

Hypermethylated

Supplementary Table 3.

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	2402	2508	-	4	106	5	0	12
chr1	5020	5090	At1g01010	3	70	1	8	12
chr1	9816	9885	-	3	69	1	0	7
chr1	16464	16572	-	4	108	1	1	18
chr1	30916	31112	At1g01040	6	196	6	5	28
chr1	37815	38246	At1g01060	12	431	8	10	53
chr1	39208	39285	At1g01070	3	77	4	2	9
chr1	48286	48361	At1g01090	3	75	1	2	14
chr1	53325	53395	At1g01110	3	70	0	1	12
chr1	53514	53616	At1g01110	4	102	4	5	18
chr1	56977	57018	-	2	41	0	1	9
chr1	57963	58038	At1g01120	3	75	6	6	10
chr1	60570	60710	-	5	140	1	3	19
chr1	71583	71697	At1g01150	4	114	2	2	16
chr1	76252	76329	At1g01180	3	77	8	9	10
chr1	86705	86816	At1g01200	4	111	6	5	10
chr1	87590	87662	At1g01200	3	72	0	2	11
chr1	91258	91407	-	5	149	3	4	15
chr1	92031	92141	At1g01220	4	110	4	4	14
chr1	105045	105086	At1g01250	2	41	6	6	3
chr1	113018	113127	At1g01280	4	109	5	1	21
chr1	114206	114285	-	3	79	3	6	8
chr1	119048	119199	-	5	151	1	0	16
chr1	128467	128536	At1g01320	3	69	5	4	13
chr1	137923	137992	At1g01350	3	69	1	3	15
chr1	138550	138617	At1g01350	3	67	6	6	15
chr1	143318	143451	-	4	133	0	5	14
chr1	146047	146124	-	3	77	0	0	9
chr1	155082	155126	At1g01420	2	44	4	3	4
chr1	155565	155687	At1g01420	4	122	13	8	11
chr1	158723	158764	-	2	41	2	1	8
chr1	159642	159744	-	4	102	1	4	5
chr1	168449	168561	-	4	112	3	3	17
chr1	178255	178322	At1g01480	3	67	1	2	15
chr1	181190	181257	At1g01490	3	67	3	5	10
chr1	186397	186545	At1g01500	5	148	2	5	29
chr1	199643	199714	-	3	71	2	3	8
chr1	205666	205774	At1g01570	4	108	7	7	14
chr1	219906	220052	At1g01600	5	146	11	8	22
chr1	233205	233280	At1g01650	3	75	5	4	10
chr1	236824	237087	At1g01650	8	263	3	6	37
chr1	237374	237445	At1g01650	3	71	0	1	12
chr1	242730	242835	-	4	105	2	3	16
chr1	245472	245605	At1g01670	5	133	4	2	12
chr1	261371	261442	At1g01700	3	71	5	3	11
chr1	269037	269177	At1g01720	5	140	9	13	18
chr1	276601	276783	-	6	182	4	8	19
chr1	277754	277970	At1g01760	7	216	2	5	31

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Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	284450	284607	-	5	157	6	3	18
chr1	286581	286662	At1g01790	3	81	1	2	12
chr1	292602	292672	-	3	70	1	4	14
chr1	293530	293600	At1g01800	3	70	1	1	21
chr1	314656	314723	At1g01910	3	67	2	5	11
chr1	316778	316912	At1g01920	5	134	3	4	16
chr1	317232	317297	At1g01920	3	65	1	4	14
chr1	317471	317653	At1g01920	6	182	3	9	22
chr1	333411	333525	At1g01960	4	114	3	7	18
chr1	336436	336509	At1g01960	3	73	3	5	10
chr1	338249	338317	-	3	68	2	7	5
chr1	355937	356081	At1g02030	5	144	5	10	24
chr1	361737	361882	At1g02060	5	145	2	4	14
chr1	366201	366342	At1g02065	5	141	5	5	18
chr1	387655	387727	At1g02090	3	72	2	2	3
chr1	405364	405433	-	3	69	2	2	9
chr1	415625	415697	At1g02190	3	72	4	1	3
chr1	424939	425080	-	5	141	9	5	14
chr1	427234	427413	-	6	179	4	3	21
chr1	438484	438594	At1g02250	4	110	3	4	12
chr1	440240	440406	-	5	166	1	4	20
chr1	440709	440778	At1g02260	3	69	2	3	14
chr1	451940	452049	At1g02290	4	109	0	5	12
chr1	458621	458917	At1g02310	9	296	8	17	25
chr1	467856	467969	-	4	113	4	2	14
chr1	468444	468511	-	3	67	4	2	3
chr1	480521	480589	-	3	68	2	2	4
chr1	483793	483897	-	4	104	6	5	11
chr1	490961	491144	At1g02410	6	183	14	10	12
chr1	532232	532304	At1g02530	3	72	4	4	13
chr1	534903	534974	At1g02540	3	71	2	2	15
chr1	539693	539804	At1g02560	4	111	3	6	16
chr1	551516	551625	-	4	109	6	3	24
chr1	556652	556723	-	3	71	1	2	8
chr1	561023	561321	At1g02630	9	298	8	8	34
chr1	564445	564548	At1g02640	4	103	8	9	19
chr1	572722	572948	At1g02660	7	226	4	10	26
chr1	578726	578794	At1g02670	3	68	1	5	13
chr1	582229	582327	-	4	98	2	2	5
chr1	588277	588318	-	2	41	4	1	4
chr1	611188	611338	At1g02790	5	150	10	7	13
chr1	613500	613710	At1g02800	7	210	9	13	30
chr1	614775	614835	At1g02800	2	60	0	3	6
chr1	618965	619147	At1g02810	6	182	14	13	15
chr1	632361	632472	At1g02850	4	111	1	5	13
chr1	638443	638516	At1g02870	3	73	4	3	14
chr1	647181	647256	At1g02890	3	75	1	5	11
chr1	647614	647691	At1g02890	2	77	2	3	4
chr1	648981	649153	At1g02890	6	172	2	12	21
chr1	649322	649523	At1g02890	6	201	3	4	19

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Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	650749	650903	At1g02890	5	154	2	8	22
chr1	657013	657123	At1g02910	4	110	2	6	13
chr1	660996	661102	-	4	106	3	2	20
chr1	673477	673544	At1g02970	3	67	5	3	11
chr1	676303	676378	At1g02970	3	75	0	3	9
chr1	681258	681363	-	4	105	3	3	18
chr1	682068	682142	At1g02990	3	74	1	4	7
chr1	682606	682748	At1g02990	5	142	2	5	15
chr1	694893	694963	At1g03010	3	70	3	4	13
chr1	695179	695322	At1g03010	5	143	8	4	15
chr1	698952	699024	-	3	72	2	4	16
chr1	703128	703237	At1g03030	4	109	5	3	11
chr1	706491	706667	At1g03040	6	176	4	3	30
chr1	710576	710690	At1g03055	4	114	3	6	10
chr1	715317	715394	At1g03060	3	77	3	2	9
chr1	715593	715663	At1g03060	3	70	2	2	14
chr1	727006	727075	-	3	69	4	2	5
chr1	742332	742402	At1g03090	3	70	0	4	10
chr1	742622	742695	At1g03090	3	73	2	4	12
chr1	748507	748690	At1g03106	6	183	2	6	22
chr1	751008	751076	At1g03110	3	68	2	3	11
chr1	758063	758167	At1g03150	4	104	1	1	19
chr1	760859	761002	-	5	143	1	2	14
chr1	771401	771478	-	3	77	3	2	12
chr1	779437	779548	At1g03190	4	111	3	6	16
chr1	813328	813447	-	4	119	7	1	16
chr1	814764	814834	At1g03310	3	70	0	2	14
chr1	821463	821542	-	3	79	2	3	6
chr1	837691	837762	At1g03380	3	71	1	4	13
chr1	853938	854135	At1g03440	6	197	5	2	34
chr1	854724	854793	At1g03445	3	69	2	2	8
chr1	856584	856654	At1g03445	3	70	1	2	8
chr1	863072	863146	At1g03457	3	74	1	3	11
chr1	863470	863546	At1g03457	3	76	0	2	9
chr1	863682	863758	At1g03457	3	76	2	4	6
chr1	866563	866742	At1g03470	6	179	5	9	12
chr1	868315	868367	-	2	52	0	0	7
chr1	873960	874112	At1g03495	5	152	4	10	19
chr1	879086	879159	At1g03520	3	73	4	7	7
chr1	892070	892223	At1g03560	5	153	8	3	22
chr1	899618	899755	At1g03600	5	137	1	3	14
chr1	930302	930373	-	3	71	2	1	11
chr1	936000	936151	At1g03740	5	151	5	7	21
chr1	936712	936787	At1g03740	3	75	0	7	12
chr1	944949	945002	At1g03770	2	53	1	1	11
chr1	946372	946551	At1g03770	6	179	5	8	26
chr1	950466	950534	At1g03780	3	68	2	3	11
chr1	957200	957241	-	2	41	0	3	6
chr1	965052	965152	At1g03830	4	100	2	4	12
chr1	981177	981309	At1g03860	5	132	5	10	13

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Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	982957	983107	At1g03870	5	150	7	10	22
chr1	991772	991877	At1g03900	4	105	1	4	15
chr1	999875	999981	At1g03910	4	106	7	5	7
chr1	1006127	1006198	At1g03930	3	71	2	2	12
chr1	1038492	1038634	At1g04020	5	142	1	7	21
chr1	1044510	1044698	-	6	188	4	2	15
chr1	1047884	1047990	At1g04050	4	106	0	4	16
chr1	1058627	1058701	At1g04090	3	74	3	4	7
chr1	1059471	1059547	-	3	76	6	2	4
chr1	1060894	1061107	At1g04100	7	213	2	7	25
chr1	1064695	1064779	At1g04120	3	84	2	3	8
chr1	1075297	1075481	At1g04130	6	184	2	7	22
chr1	1082141	1082219	At1g04150	3	78	7	4	4
chr1	1098366	1098473	At1g04170	4	107	2	3	15
chr1	1099444	1099514	At1g04170	3	70	2	2	16
chr1	1105247	1105353	At1g04180	4	106	2	3	13
chr1	1121989	1122100	At1g04220	4	111	9	7	18
chr1	1126459	1126646	At1g04230	6	187	3	10	23
chr1	1153422	1153488	At1g04300	3	66	0	2	9
chr1	1154440	1154543	At1g04300	4	103	4	3	24
chr1	1164468	1164543	At1g04340	3	75	1	2	11
chr1	1166243	1166314	At1g04350	3	71	2	2	13
chr1	1173491	1173562	-	3	71	2	3	12
chr1	1178345	1178555	At1g04380	7	210	6	5	28
chr1	1180220	1180293	At1g04390	3	73	1	5	10
chr1	1181696	1181772	At1g04390	3	76	4	4	16
chr1	1182254	1182399	At1g04390	5	145	3	8	12
chr1	1182800	1182874	At1g04390	3	74	0	5	7
chr1	1183814	1183864	-	2	50	1	1	3
chr1	1190446	1190518	At1g04410	3	72	2	2	14
chr1	1209386	1209457	At1g04450	3	71	2	1	16
chr1	1222037	1222210	At1g04500	6	173	5	5	13
chr1	1241383	1241461	At1g04550	3	78	1	3	9
chr1	1247152	1247397	At1g04570	8	245	4	8	41
chr1	1257827	1257896	-	3	69	2	2	14
chr1	1270736	1270883	At1g04600	5	147	3	7	15
chr1	1271574	1271721	At1g04600	5	147	4	8	12
chr1	1276929	1277035	-	4	106	3	3	10
chr1	1282209	1282284	-	3	75	0	5	15
chr1	1300108	1300149	-	2	41	1	1	2
chr1	1307388	1307468	At1g04680	3	80	3	3	10
chr1	1317814	1317891	At1g04700	3	77	4	5	5
chr1	1321571	1321644	-	3	73	3	3	13
chr1	1321829	1321949	-	4	120	2	5	11
chr1	1322587	1322659	At1g04710	3	72	0	4	17
chr1	1327259	1327333	At1g04730	3	74	1	3	10
chr1	1354022	1354101	At1g04810	3	79	2	3	17
chr1	1358659	1358802	-	5	143	4	6	19
chr1	1374462	1374538	At1g04870	3	76	0	0	9
chr1	1375173	1375278	At1g04870	4	105	2	7	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	1379250	1379329	-	3	79	0	2	23
chr1	1385384	1385454	At1g04900	3	70	2	1	15
chr1	1391322	1391387	-	3	65	2	2	6
chr1	1393504	1393575	At1g04920	3	71	1	5	12
chr1	1397328	1397397	At1g04930	3	69	1	1	14
chr1	1398567	1398636	At1g04930	3	69	6	7	6
chr1	1399597	1399667	At1g04940	3	70	2	7	10
chr1	1401035	1401147	At1g04940	4	112	8	6	7
chr1	1408889	1408966	At1g04960	3	77	1	1	12
chr1	1413251	1413324	At1g04970	3	73	1	2	11
chr1	1413960	1414038	At1g04980	3	78	3	2	3
chr1	1428279	1428350	At1g05000	3	71	4	3	7
chr1	1433430	1433497	-	3	67	0	2	6
chr1	1435600	1435856	At1g05020	8	256	15	18	20
chr1	1459365	1459440	At1g05080	3	75	2	2	18
chr1	1468840	1468988	-	5	148	2	3	16
chr1	1472273	1472342	At1g05120	3	69	1	2	9
chr1	1473822	1473900	At1g05120	3	78	0	1	9
chr1	1474441	1474512	At1g05120	3	71	0	0	13
chr1	1475291	1475408	At1g05120	4	117	2	10	6
chr1	1477815	1477887	At1g05135	3	72	6	8	3
chr1	1491328	1491437	At1g05170	4	109	2	6	12
chr1	1491894	1491966	At1g05170	3	72	0	3	11
chr1	1492228	1492307	At1g05170	3	79	0	3	9
chr1	1510159	1510321	At1g05205	6	162	9	11	15
chr1	1513248	1513328	At1g05230	3	80	2	4	4
chr1	1540225	1540292	At1g05290	3	67	3	2	14
chr1	1553438	1553509	-	3	71	2	2	6
chr1	1556366	1556440	At1g05320	3	74	1	2	15
chr1	1560889	1560996	-	4	107	2	8	10
chr1	1581615	1581763	At1g05380	5	148	2	9	22
chr1	1602745	1602845	At1g05460	4	100	1	7	13
chr1	1604472	1604600	At1g05460	4	128	1	6	11
chr1	1604808	1604917	At1g05460	4	109	3	3	14
chr1	1609855	1609994	At1g05470	5	139	3	5	23
chr1	1620569	1620640	-	3	71	0	4	11
chr1	1623342	1623383	At1g05490	2	41	1	3	9
chr1	1632209	1632353	At1g05520	5	144	1	3	14
chr1	1645390	1645497	-	4	107	6	3	15
chr1	1653045	1653228	At1g05570	6	183	4	5	29
chr1	1657550	1657623	At1g05570	3	73	1	7	10
chr1	1658565	1658662	At1g05570	4	97	5	8	12
chr1	1660084	1660192	-	4	108	2	0	10
chr1	1665138	1665215	-	3	77	3	3	13
chr1	1671029	1671138	At1g05590	4	109	3	7	13
chr1	1672020	1672167	-	5	147	4	4	26
chr1	1675808	1675952	At1g05610	5	144	1	4	24
chr1	1694807	1694880	At1g05660	3	73	3	3	6
chr1	1697925	1697997	-	3	72	0	3	12
chr1	1699828	1699897	At1g05670	3	69	2	5	6

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	1702297	1702365	At1g05670	3	68	4	6	8
chr1	1702987	1703060	-	3	73	1	2	13
chr1	1734045	1734153	At1g05790	4	108	0	5	18
chr1	1736941	1737056	At1g05790	4	115	3	7	16
chr1	1747279	1747354	At1g05805	3	75	1	2	5
chr1	1754970	1755076	At1g05830	4	106	3	7	22
chr1	1755586	1755665	At1g05830	3	79	2	0	18
chr1	1761582	1761760	At1g05830	6	178	2	5	16
chr1	1767639	1767680	At1g05850	2	41	0	0	12
chr1	1779502	1779560	At1g05890	2	58	2	1	3
chr1	1780370	1780620	At1g05890	8	250	5	6	30
chr1	1782270	1782347	At1g05890	3	77	0	2	11
chr1	1802503	1802652	At1g05940	5	149	1	4	15
chr1	1804329	1804441	-	4	112	0	4	16
chr1	1819264	1819378	-	4	114	2	1	18
chr1	1827125	1827192	At1g06030	3	67	9	5	11
chr1	1831044	1831119	At1g06050	3	75	4	0	11
chr1	1831718	1831981	At1g06050	8	263	1	7	29
chr1	1835960	1836067	At1g06070	4	107	0	4	13
chr1	1843742	1843888	At1g06080	5	146	5	5	29
chr1	1844681	1844788	At1g06080	4	107	3	6	18
chr1	1847718	1847785	-	3	67	3	1	12
chr1	1858938	1858979	At1g06130	2	41	0	2	9
chr1	1862686	1862753	At1g06135	3	67	2	2	9
chr1	1868364	1868470	At1g06150	4	106	3	2	14
chr1	1874102	1874182	-	3	80	2	1	17
chr1	1892009	1892100	-	3	91	2	6	8
chr1	1892613	1892721	At1g06190	4	108	1	4	6
chr1	1893442	1893617	At1g06190	6	175	5	13	23
chr1	1893827	1893939	At1g06190	4	112	5	5	13
chr1	1897181	1897291	-	4	110	4	4	4
chr1	1897569	1897610	At1g06210	2	41	0	4	11
chr1	1901462	1901563	At1g06220	4	101	0	4	14
chr1	1902159	1902236	At1g06220	3	77	0	2	19
chr1	1909616	1909770	At1g06230	5	154	2	5	25
chr1	1913632	1913700	At1g06250	3	68	2	5	10
chr1	1915707	1915852	-	5	145	1	4	15
chr1	1923818	1923925	At1g06290	4	107	1	5	21
chr1	1925609	1925681	At1g06290	3	72	1	3	14
chr1	1927079	1927153	At1g06310	3	74	5	5	12
chr1	1928274	1928353	At1g06310	3	79	1	4	6
chr1	1939406	1939481	At1g06360	3	75	5	0	11
chr1	1939960	1940145	At1g06360	6	185	5	8	13
chr1	1941051	1941126	-	3	75	1	3	13
chr1	1945866	1945936	At1g06380	3	70	0	4	15
chr1	1949808	1949915	At1g06390	4	107	1	3	12
chr1	1966232	1966301	At1g06450	3	69	5	3	12
chr1	1971788	1971862	At1g06470	3	74	1	6	12
chr1	1979637	1979862	At1g06490	7	225	1	7	29
chr1	1983910	1984011	At1g06490	4	101	1	2	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	1991930	1992041	-	4	111	4	7	11
chr1	1998939	1999006	-	3	67	4	2	12
chr1	2004279	2004355	At1g06550	3	76	2	3	12
chr1	2005916	2005982	At1g06550	3	66	2	3	7
chr1	2024008	2024112	At1g06590	4	104	4	3	11
chr1	2029765	2029841	-	3	76	0	2	12
chr1	2036385	2036452	At1g06650	3	67	1	3	11
chr1	2049794	2049862	At1g06690	3	68	3	6	11
chr1	2054983	2055053	At1g06700	3	70	3	1	12
chr1	2059816	2059963	At1g06710	5	147	1	5	14
chr1	2061338	2061411	At1g06720	3	73	2	2	8
chr1	2065180	2065288	At1g06720	4	108	1	7	14
chr1	2067777	2067927	At1g06730	5	150	9	12	15
chr1	2074292	2074403	At1g06750	4	111	0	7	17
chr1	2078942	2079047	At1g06770	4	105	1	1	18
chr1	2086528	2086647	At1g06780	4	119	1	2	25
chr1	2090391	2090464	At1g06800	3	73	6	3	2
chr1	2091143	2091250	At1g06800	4	107	9	8	6
chr1	2092306	2092412	At1g06810	4	106	2	4	17
chr1	2093258	2093299	At1g06820	2	41	0	0	4
chr1	2099656	2099772	At1g06840	4	116	2	6	14
chr1	2102587	2102697	At1g06840	4	110	3	3	13
chr1	2109749	2109820	At1g06870	3	71	0	4	17
chr1	2111064	2111281	-	6	217	1	5	21
chr1	2120679	2120791	At1g06900	4	112	2	10	14
chr1	2141228	2141350	-	4	122	3	4	9
chr1	2152511	2152580	-	3	69	7	3	8
chr1	2155966	2156036	At1g07020	3	70	4	4	10
chr1	2158820	2158895	At1g07030	3	75	1	2	12
chr1	2160351	2160425	At1g07030	3	74	6	5	8
chr1	2171291	2171371	At1g07080	3	80	2	2	7
chr1	2171700	2171809	At1g07080	4	109	5	5	16
chr1	2179129	2179242	At1g07110	4	113	2	3	9
chr1	2180752	2180836	At1g07110	3	84	3	4	8
chr1	2182008	2182077	At1g07110	3	69	1	1	8
chr1	2184354	2184426	-	3	72	3	3	11
chr1	2192183	2192224	At1g07140	2	41	2	1	3
chr1	2193664	2193808	At1g07140	5	144	13	6	20
chr1	2199332	2199403	At1g07160	3	71	5	6	5
chr1	2224399	2224511	At1g07240	4	112	10	11	16
chr1	2255376	2255444	At1g07340	3	68	3	5	8
chr1	2257393	2257506	-	4	113	1	1	19
chr1	2259050	2259128	At1g07350	3	78	2	4	13
chr1	2266620	2266728	At1g07380	4	108	1	4	14
chr1	2290004	2290077	-	3	73	2	0	9
chr1	2305759	2305820	At1g07510	2	61	3	3	10
chr1	2310702	2310777	At1g07520	3	75	2	3	10
chr1	2314705	2314769	At1g07530	3	64	3	6	11
chr1	2320769	2320842	At1g07540	3	73	2	3	10
chr1	2321721	2321835	-	4	114	4	7	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	2337407	2337474	At1g07590	3	67	1	2	7
chr1	2337874	2337974	At1g07590	4	100	1	3	8
chr1	2346358	2346428	-	3	70	3	2	8
chr1	2349016	2349090	-	3	74	0	0	6
chr1	2350173	2350281	At1g07630	4	108	5	4	23
chr1	2350842	2350943	At1g07630	4	101	0	6	18
chr1	2351636	2351714	-	3	78	1	2	17
chr1	2354039	2354261	-	7	222	3	5	23
chr1	2355068	2355250	At1g07640	6	182	5	9	29
chr1	2358597	2358704	-	4	107	4	1	9
chr1	2360705	2360883	At1g07650	6	178	5	7	11
chr1	2364385	2364497	At1g07650	4	112	2	3	16
chr1	2383822	2383978	At1g07705	5	156	1	2	19
chr1	2384492	2384566	At1g07705	3	74	2	4	11
chr1	2385564	2385673	-	4	109	2	3	15
chr1	2392955	2393027	-	3	72	1	4	11
chr1	2396701	2396771	At1g07725	3	70	6	7	5
chr1	2399834	2400035	At1g07740	6	201	9	5	19
chr1	2405353	2405610	At1g07750	8	257	3	6	18
chr1	2408308	2408574	At1g07770	8	266	4	5	25
chr1	2424712	2424966	At1g07840	8	254	6	8	27
chr1	2426990	2427128	At1g07850	5	138	9	8	12
chr1	2431671	2431771	At1g07870	4	100	5	6	11
chr1	2436101	2436173	-	3	72	0	3	6
chr1	2437554	2437629	At1g07890	3	75	6	5	8
chr1	2439982	2440166	-	6	184	5	7	27
chr1	2444166	2444238	-	3	72	4	3	10
chr1	2446735	2446806	At1g07910	3	71	4	7	11
chr1	2461069	2461139	-	3	70	3	3	6
chr1	2468244	2468387	At1g07960	5	143	1	5	18
chr1	2471264	2471485	At1g07970	7	221	3	16	18
chr1	2471703	2471808	At1g07970	4	105	1	8	14
chr1	2479107	2479178	At1g07990	3	71	2	2	17
chr1	2491095	2491204	At1g08030	4	109	1	6	9
chr1	2497771	2497874	At1g08040	4	103	3	2	12
chr1	2499312	2499410	At1g08050	4	98	5	8	9
chr1	2500736	2500889	At1g08050	5	153	3	3	13
chr1	2510011	2510144	At1g08060	5	133	3	7	13
chr1	2515756	2515828	At1g08070	3	72	2	4	4
chr1	2528688	2528742	At1g08100	2	54	3	1	8
chr1	2532184	2532264	-	3	80	2	1	9
chr1	2533592	2533707	At1g08105	4	115	2	4	11
chr1	2538582	2538656	-	3	74	4	1	14
chr1	2541110	2541183	At1g08125	3	73	2	2	5
chr1	2548281	2548355	-	3	74	5	2	6
chr1	2551066	2551139	At1g08135	3	73	2	2	7
chr1	2558070	2558213	At1g08150	5	143	7	10	13
chr1	2567697	2567738	At1g08190	2	41	2	0	16
chr1	2572298	2572374	At1g08190	3	76	1	2	8
chr1	2574149	2574458	At1g08200	9	309	8	6	46

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	2580499	2580571	At1g08210	3	72	9	9	9
chr1	2580931	2580999	-	3	68	4	3	5
chr1	2602245	2602318	At1g08260	3	73	1	4	9
chr1	2604674	2604787	At1g08260	4	113	4	6	10
chr1	2617480	2617555	-	3	75	0	3	5
chr1	2618111	2618255	-	5	144	2	5	27
chr1	2621846	2621962	-	4	116	4	4	9
chr1	2634250	2634322	At1g08350	3	72	0	4	13
chr1	2646289	2646363	At1g08410	3	74	4	1	13
chr1	2647254	2647322	At1g08410	3	68	1	5	12
chr1	2675804	2675878	-	3	74	1	1	2
chr1	2694323	2694429	At1g08510	4	106	2	1	20
chr1	2695333	2695437	-	4	104	4	1	21
chr1	2699819	2699923	At1g08520	4	104	2	6	20
chr1	2703439	2703514	At1g08540	3	75	2	5	5
chr1	2704392	2704460	At1g08540	3	68	0	3	10
chr1	2705877	2705988	At1g08540	4	111	5	6	21
chr1	2706978	2707044	-	3	66	3	2	14
chr1	2707192	2707265	-	3	73	1	2	4
chr1	2707565	2707636	At1g08550	3	71	1	2	13
chr1	2708123	2708198	At1g08550	3	75	2	3	10
chr1	2738431	2738574	At1g08620	5	143	4	5	18
chr1	2744448	2744521	At1g08630	3	73	2	3	8
chr1	2750021	2750097	At1g08640	3	76	0	2	11
chr1	2750641	2750749	At1g08640	4	108	5	7	3
chr1	2751034	2751176	At1g08640	5	142	7	3	29
chr1	2753315	2753386	At1g08650	3	71	2	4	18
chr1	2783595	2783643	At1g08730	2	48	1	3	7
chr1	2784668	2784818	At1g08730	5	150	3	2	14
chr1	2828637	2828779	At1g08830	5	142	2	8	18
chr1	2839116	2839188	-	3	72	2	3	8
chr1	2839407	2839473	At1g08845	3	66	1	0	12
chr1	2842517	2842584	At1g08860	3	67	2	2	13
chr1	2847626	2847734	At1g08880	4	108	6	5	15
chr1	2854861	2854902	At1g08900	2	41	1	1	4
chr1	2865531	2865607	-	3	76	2	2	5
chr1	2866646	2866687	-	2	41	1	1	9
chr1	2887508	2887551	At1g08985	2	43	2	1	15
chr1	2891185	2891263	At1g09000	3	78	5	4	4
chr1	2914208	2914278	At1g09040	3	70	2	7	7
chr1	2915543	2915688	-	5	145	3	7	15
chr1	2917637	2917696	At1g09040	2	59	2	2	10
chr1	2921001	2921250	At1g09040	8	249	3	7	28
chr1	2926418	2926494	-	3	76	3	0	13
chr1	2931495	2931569	At1g09080	3	74	1	1	12
chr1	2932725	2932837	-	4	112	6	5	17
chr1	2944851	2944921	At1g09140	3	70	2	3	7
chr1	2957965	2958039	At1g09170	3	74	2	3	16
chr1	2958264	2958372	At1g09170	4	108	2	2	10
chr1	2959895	2960005	At1g09170	4	110	0	3	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	2963932	2964039	-	4	107	2	0	15
chr1	2967551	2967625	At1g09190	3	74	5	4	19
chr1	2971932	2972004	At1g09200	3	72	2	9	10
chr1	2975419	2975460	At1g09210	2	41	0	3	8
chr1	2978066	2978174	At1g09220	4	108	1	3	10
chr1	2989438	2989547	At1g09250	4	109	5	5	14
chr1	2989802	2989872	At1g09250	3	70	8	4	12
chr1	2994980	2995050	At1g09270	3	70	3	6	13
chr1	2997702	2997771	At1g09270	3	69	1	5	16
chr1	3003930	3003999	At1g09300	3	69	5	5	12
chr1	3013650	3013721	At1g09330	3	71	1	3	9
chr1	3015714	3015826	At1g09340	4	112	2	2	20
chr1	3017904	3017973	At1g09340	3	69	6	7	11
chr1	3019835	3019912	At1g09350	3	77	2	4	6
chr1	3037409	3037554	At1g09410	5	145	1	7	24
chr1	3039806	3039877	At1g09420	3	71	1	4	13
chr1	3043374	3043478	At1g09430	4	104	3	3	15
chr1	3047358	3047429	At1g09440	3	71	0	2	12
chr1	3047828	3047961	-	4	133	1	1	23
chr1	3052527	3052644	At1g09450	4	117	1	2	14
chr1	3055816	3055919	At1g09470	4	103	3	6	13
chr1	3056985	3057089	-	4	104	3	5	9
chr1	3064140	3064207	At1g09490	3	67	4	10	5
chr1	3078489	3078703	At1g09530	7	214	3	2	26
chr1	3088186	3088261	-	3	75	1	3	5
chr1	3108240	3108318	-	3	78	2	1	6
chr1	3109769	3109841	At1g09600	3	72	1	5	10
chr1	3119669	3119740	At1g09630	3	71	3	1	9
chr1	3137062	3137131	At1g09690	3	69	0	0	7
chr1	3149547	3149618	At1g09730	3	71	0	3	10
chr1	3153819	3153933	At1g09730	4	114	0	4	9
chr1	3154939	3155051	At1g09740	4	112	4	3	14
chr1	3159390	3159465	At1g09760	3	75	2	6	16
chr1	3166360	3166463	At1g09780	4	103	3	5	11
chr1	3169687	3169757	At1g09790	3	70	3	3	15
chr1	3180719	3180870	-	5	151	4	4	19
chr1	3184666	3184743	-	3	77	1	2	10
chr1	3203993	3204176	At1g09850	6	183	3	7	18
chr1	3223435	3223584	At1g09910	5	149	4	4	10
chr1	3226078	3226225	At1g09920	5	147	1	6	18
chr1	3228046	3228087	At1g09930	2	41	1	6	3
chr1	3229331	3229441	At1g09930	4	110	2	6	12
chr1	3235375	3235416	At1g09935	2	41	2	0	4
chr1	3255573	3255647	At1g09970	3	74	2	2	12
chr1	3261716	3261791	-	3	75	6	2	14
chr1	3269049	3269119	-	3	70	1	3	14
chr1	3271012	3271161	At1g10020	5	149	6	10	16
chr1	3272835	3272903	-	2	68	2	1	3
chr1	3276661	3276762	At1g10040	4	101	1	2	19
chr1	3295058	3295127	At1g10090	3	69	4	1	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	3299583	3299661	At1g10095	3	78	1	1	13
chr1	3300126	3300167	At1g10095	2	41	1	1	7
chr1	3300695	3300764	-	3	69	2	4	13
chr1	3311697	3311768	At1g10130	3	71	1	2	13
chr1	3320863	3321000	At1g10130	5	137	3	5	14
chr1	3331425	3331497	At1g10160	3	72	2	3	14
chr1	3335073	3335145	At1g10170	3	72	3	4	10
chr1	3340464	3340538	At1g10180	3	74	1	2	12
chr1	3343300	3343369	-	3	69	0	0	4
chr1	3349731	3349801	At1g10210	3	70	3	4	10
chr1	3360277	3360346	At1g10250	3	69	0	2	15
chr1	3365738	3365878	At1g10270	5	140	0	18	18
chr1	3367796	3367868	At1g10280	3	72	0	2	8
chr1	3390723	3390829	At1g10340	4	106	5	3	15
chr1	3409380	3409458	At1g10390	3	78	3	1	14
chr1	3422772	3422849	-	3	77	1	3	13
chr1	3428386	3428531	-	5	145	2	2	19
chr1	3428789	3428898	At1g10430	4	109	2	4	13
chr1	3458465	3458540	At1g10490	3	75	0	1	14
chr1	3459309	3459466	At1g10490	5	157	2	2	17
chr1	3463723	3463797	At1g10510	3	74	3	4	12
chr1	3467786	3467860	At1g10520	3	74	3	1	11
chr1	3470261	3470368	At1g10522	4	107	3	5	17
chr1	3478410	3478554	-	5	144	4	6	13
chr1	3499125	3499166	-	2	41	3	0	8
chr1	3506548	3506657	At1g10610	4	109	4	6	13
chr1	3507580	3507683	At1g10610	4	103	3	5	17
chr1	3511436	3511501	At1g10620	3	65	6	7	14
chr1	3515725	3515788	At1g10640	3	63	2	3	10
chr1	3516779	3516918	At1g10640	5	139	2	5	15
chr1	3527597	3527674	-	3	77	2	1	13
chr1	3533726	3533846	At1g10660	4	120	0	2	18
chr1	3534315	3534388	At1g10660	3	73	1	3	7
chr1	3534570	3534646	At1g10660	3	76	1	0	10
chr1	3536859	3536964	At1g10670	4	105	0	2	13
chr1	3540346	3540450	At1g10680	4	104	4	3	11
chr1	3549765	3549810	-	2	45	0	0	11
chr1	3553213	3553285	-	3	72	3	4	12
chr1	3562343	3562524	-	6	181	6	3	35
chr1	3564237	3564371	At1g10720	5	134	3	4	27
chr1	3586857	3586968	At1g10760	4	111	0	3	16
chr1	3590907	3591022	-	4	115	1	0	18
chr1	3596223	3596620	-	12	397	12	14	32
chr1	3596823	3596894	At1g10790	3	71	1	2	11
chr1	3602280	3602387	At1g10820	4	107	1	4	15
chr1	3604614	3604686	At1g10820	3	72	3	3	16
chr1	3609880	3609952	At1g10840	3	72	1	5	8
chr1	3613740	3613813	At1g10850	3	73	1	4	12
chr1	3618591	3618698	At1g10870	4	107	3	4	14
chr1	3621983	3622091	At1g10870	4	108	2	3	15

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	3622982	3623076	At1g10870	4	94	1	4	9
chr1	3626708	3626749	At1g10880	2	41	4	5	6
chr1	3627987	3628056	At1g10890	3	69	1	7	14
chr1	3628195	3628267	At1g10890	3	72	3	3	10
chr1	3629723	3629794	At1g10890	3	71	1	5	9
chr1	3649784	3649960	At1g10930	6	176	5	7	18
chr1	3651136	3651249	At1g10930	4	113	2	3	16
chr1	3653754	3653899	At1g10930	5	145	3	6	19
chr1	3655309	3655386	At1g10930	3	77	4	1	8
chr1	3658018	3658086	At1g10940	3	68	2	1	13
chr1	3667345	3667447	-	3	102	1	2	12
chr1	3668668	3668824	At1g10980	5	156	0	3	26
chr1	3672918	3673019	At1g11000	4	101	2	8	14
chr1	3675994	3676096	-	4	102	2	1	10
chr1	3688113	3688219	At1g11060	4	106	0	4	20
chr1	3708175	3708247	At1g11100	3	72	3	3	9
chr1	3710213	3710278	-	3	65	6	4	10
chr1	3718774	3718846	At1g11120	3	72	1	5	7
chr1	3722514	3722585	-	3	71	0	4	6
chr1	3723094	3723198	At1g11130	4	104	0	5	18
chr1	3729337	3729412	At1g11150	3	75	1	1	17
chr1	3733703	3733810	-	4	107	1	4	19
chr1	3745035	3745179	-	5	144	4	4	23
chr1	3752674	3753042	At1g11190	11	368	4	2	41
chr1	3761141	3761245	At1g11220	4	104	6	4	17
chr1	3768285	3768350	At1g11240	3	65	0	2	16
chr1	3774855	3774896	-	2	41	1	3	5
chr1	3779239	3779347	At1g11260	4	108	9	7	11
chr1	3787656	3787801	At1g11280	5	145	6	7	13
chr1	3792775	3792886	At1g11290	4	111	1	3	11
chr1	3793650	3793755	At1g11290	4	105	4	5	16
chr1	3796819	3796889	At1g11300	3	70	2	6	15
chr1	3797212	3797320	At1g11300	4	108	2	9	10
chr1	3800409	3800488	At1g11300	3	79	2	1	17
chr1	3808358	3808436	At1g11320	3	78	4	4	11
chr1	3817195	3817269	At1g11340	3	74	1	2	15
chr1	3819004	3819138	At1g11350	5	134	4	3	16
chr1	3821585	3821657	At1g11360	3	72	1	0	8
chr1	3829407	3829514	At1g11370	4	107	1	4	23
chr1	3849887	3849956	At1g11440	3	69	3	3	8
chr1	3860365	3860542	At1g11470	6	177	7	10	19
chr1	3861100	3861173	-	3	73	4	4	13
chr1	3867764	3867833	-	3	69	0	4	4
chr1	3880695	3880769	-	3	74	0	4	16
chr1	3882070	3882252	At1g11560	6	182	10	9	13
chr1	3882579	3882629	At1g11560	2	50	0	3	10
chr1	3913062	3913198	At1g11630	5	136	2	3	12
chr1	3915731	3915805	At1g11650	3	74	2	5	16
chr1	3936801	3936870	-	3	69	2	2	7
chr1	3945266	3945321	-	2	55	0	1	1

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	3947555	3947667	-	4	112	3	0	17
chr1	3951223	3951330	At1g11710	4	107	2	5	13
chr1	3961646	3961716	-	3	70	3	3	15
chr1	3968390	3968465	At1g11750	3	75	3	5	6
chr1	3985979	3986123	At1g11800	5	144	2	4	15
chr1	3990834	3990877	At1g11810	2	43	1	1	10
chr1	3997384	3997462	At1g11840	3	78	2	6	13
chr1	4001374	4001445	At1g11860	3	71	0	1	13
chr1	4007934	4008038	At1g11880	4	104	0	2	20
chr1	4012088	4012163	At1g11890	3	75	2	5	10
chr1	4014392	4014499	At1g11900	4	107	5	7	9
chr1	4016956	4016999	At1g11910	2	43	1	1	6
chr1	4018557	4018703	At1g11910	5	146	1	4	22
chr1	4021980	4022086	At1g11915	4	106	4	5	10
chr1	4022363	4022468	At1g11915	4	105	5	3	20
chr1	4024088	4024154	At1g11920	3	66	3	3	4
chr1	4026042	4026109	-	3	67	2	2	12
chr1	4031431	4031531	-	4	100	1	2	17
chr1	4042409	4042561	At1g11960	5	152	2	3	24
chr1	4048437	4048510	At1g11990	3	73	1	2	4
chr1	4053477	4053625	At1g12000	5	148	8	6	13
chr1	4062837	4063026	At1g12020	6	189	8	9	13
chr1	4132978	4133128	At1g12190	5	150	3	3	15
chr1	4143622	4143697	-	3	75	0	2	19
chr1	4146637	4146774	At1g12220	5	137	2	7	15
chr1	4160993	4161068	At1g12250	3	75	2	4	6
chr1	4161425	4161495	At1g12250	3	70	0	2	14
chr1	4166086	4166142	-	2	56	0	0	6
chr1	4170455	4170571	-	4	116	0	3	16
chr1	4172072	4172282	At1g12270	7	210	12	10	15
chr1	4174722	4174865	At1g12270	5	143	3	4	12
chr1	4176257	4176371	At1g12280	4	114	1	2	12
chr1	4182295	4182367	-	3	72	1	1	12
chr1	4185609	4185677	At1g12300	3	68	2	2	9
chr1	4186401	4186467	-	3	66	4	5	9
chr1	4188669	4188739	-	3	70	1	1	7
chr1	4191548	4191619	-	3	71	2	0	14
chr1	4192790	4192902	-	4	112	0	2	4
chr1	4194744	4194864	At1g12330	4	120	1	5	12
chr1	4200018	4200088	At1g12350	3	70	3	3	12
chr1	4206138	4206279	At1g12360	5	141	3	3	13
chr1	4216001	4216106	At1g12380	4	105	5	4	16
chr1	4217120	4217234	At1g12380	4	114	8	2	21
chr1	4218374	4218438	-	3	64	2	0	7
chr1	4222766	4222868	At1g12400	4	102	3	5	13
chr1	4226622	4226872	At1g12420	8	250	6	7	21
chr1	4253924	4253977	At1g12470	2	53	2	0	8
chr1	4255250	4255316	At1g12470	3	66	4	3	8
chr1	4258314	4258386	At1g12480	3	72	2	2	17
chr1	4258894	4259087	At1g12480	6	193	4	12	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	4264424	4264617	At1g12500	6	193	15	13	17
chr1	4265464	4265759	-	9	295	7	1	27
chr1	4267625	4267810	At1g12520	6	185	5	17	18
chr1	4267958	4268240	At1g12520	9	282	4	6	28
chr1	4274476	4274585	-	4	109	2	4	9
chr1	4276163	4276269	-	4	106	7	4	5
chr1	4290760	4290841	At1g12610	3	81	3	3	7
chr1	4296014	4296430	At1g12620	11	416	10	12	35
chr1	4305172	4305245	At1g12640	3	73	2	1	6
chr1	4312547	4312622	-	3	75	2	2	3
chr1	4315091	4315160	-	3	69	3	3	12
chr1	4315569	4315645	-	3	76	1	2	6
chr1	4316583	4316654	-	3	71	0	2	4
chr1	4320370	4320441	At1g12680	3	71	3	6	13
chr1	4320909	4320981	At1g12680	3	72	0	4	9
chr1	4326371	4326441	-	3	70	2	4	5
chr1	4330036	4330181	-	4	145	7	1	8
chr1	4337789	4337899	-	4	110	3	1	13
chr1	4340049	4340121	-	3	72	3	1	13
chr1	4346149	4346227	At1g12750	3	78	3	3	11
chr1	4349921	4349986	At1g12760	3	65	3	7	10
chr1	4350494	4350596	At1g12760	4	102	4	2	21
chr1	4356302	4356413	At1g12780	4	111	1	8	5
chr1	4362360	4362530	At1g12800	6	170	5	7	16
chr1	4386595	4386663	-	3	68	0	1	12
chr1	4387916	4388027	At1g12870	4	111	3	5	16
chr1	4392406	4392447	-	2	41	1	1	6
chr1	4395124	4395271	At1g12910	5	147	1	8	17
chr1	4395632	4395703	At1g12910	3	71	3	3	11
chr1	4417079	4417150	At1g12940	3	71	5	8	6
chr1	4432438	4432479	-	2	41	0	1	3
chr1	4433315	4433389	-	3	74	1	0	15
chr1	4441488	4441630	At1g13020	5	142	4	10	16
chr1	4445034	4445076	At1g13030	2	42	2	1	12
chr1	4445654	4445760	At1g13030	4	106	0	6	13
chr1	4446616	4446715	At1g13030	4	99	2	5	5
chr1	4452893	4452934	At1g13060	2	41	1	0	13
chr1	4465009	4465156	At1g13100	5	147	2	6	22
chr1	4473174	4473243	At1g13120	3	69	3	3	11
chr1	4477209	4477250	At1g13130	2	41	3	3	6
chr1	4501435	4501552	At1g13190	4	117	0	3	14
chr1	4506842	4506986	-	5	144	2	2	20
chr1	4510287	4510426	At1g13210	5	139	5	5	17
chr1	4512231	4512340	At1g13210	4	109	4	4	11
chr1	4519748	4519932	At1g13220	6	184	2	7	34
chr1	4522256	4522330	At1g13230	3	74	0	1	16
chr1	4540553	4540609	-	2	56	1	0	3
chr1	4548461	4548600	At1g13280	5	139	9	10	20
chr1	4566383	4566424	At1g13320	2	41	1	5	5
chr1	4575438	4575547	At1g13350	4	109	1	3	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	4579240	4579314	-	3	74	0	0	21
chr1	4602439	4602620	At1g13410	6	181	5	7	29
chr1	4608051	4608196	-	5	145	4	1	24
chr1	4610965	4611040	-	3	75	1	1	7
chr1	4617604	4617684	At1g13460	3	80	2	5	10
chr1	4622627	4622702	-	3	75	1	0	8
chr1	4633733	4633809	-	3	76	1	3	6
chr1	4643296	4643367	At1g13570	3	71	3	4	10
chr1	4648879	4648923	-	2	44	1	1	7
chr1	4649400	4649483	-	3	83	0	1	11
chr1	4661609	4661684	-	3	75	4	1	5
chr1	4661878	4661978	-	4	100	2	4	18
chr1	4676674	4676773	-	4	99	2	3	13
chr1	4678090	4678162	At1g13640	3	72	1	1	11
chr1	4680813	4680961	At1g13650	5	148	3	9	9
chr1	4694751	4694968	At1g13700	7	217	7	14	19
chr1	4703731	4703772	At1g13710	2	41	2	1	5
chr1	4714744	4714883	At1g13740	5	139	4	8	29
chr1	4742601	4742713	-	4	112	1	3	23
chr1	4751237	4751310	-	3	73	0	2	8
chr1	4756707	4756781	At1g13910	3	74	0	2	18
chr1	4757492	4757561	At1g13910	3	69	1	4	8
chr1	4763073	4763285	At1g13940	7	212	10	10	24
chr1	4764664	4764771	At1g13940	4	107	0	7	18
chr1	4772793	4772936	-	5	143	8	5	10
chr1	4775598	4775668	-	3	70	2	3	12
chr1	4778325	4778434	At1g13960	4	109	0	5	25
chr1	4779968	4780042	At1g13970	3	74	3	3	4
chr1	4805182	4805259	At1g14020	3	77	1	4	7
chr1	4806892	4807298	At1g14030	12	406	11	27	31
chr1	4811071	4811135	At1g14040	3	64	3	7	2
chr1	4817930	4817983	At1g14060	2	53	2	3	10
chr1	4823617	4823691	At1g14080	3	74	2	6	11
chr1	4862638	4862707	At1g14230	3	69	2	3	10
chr1	4864181	4864319	-	5	138	1	2	25
chr1	4869302	4869407	At1g14250	4	105	0	1	20
chr1	4875007	4875078	At1g14270	3	71	3	4	9
chr1	4906953	4907012	-	2	59	1	1	7
chr1	4927483	4927629	At1g14400	5	146	1	5	25
chr1	4931013	4931079	-	3	66	1	1	14
chr1	4934538	4934641	At1g14430	4	103	6	6	4
chr1	4937323	4937380	-	2	57	1	1	7
chr1	4944410	4944477	-	3	67	0	1	7
chr1	4946004	4946073	-	3	69	0	1	11
chr1	4948883	4948954	At1g14460	3	71	0	1	4
chr1	4963596	4963729	At1g14510	4	133	3	4	12
chr1	4964160	4964231	At1g14510	3	71	1	2	10
chr1	4974529	4974673	At1g14540	5	144	5	2	26
chr1	4977816	4977922	-	4	106	2	1	17
chr1	4979698	4979768	At1g14550	3	70	1	4	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	4983089	4983199	At1g14560	4	110	0	2	13
chr1	4989877	4989946	At1g14580	3	69	4	2	5
chr1	4990966	4991007	At1g14580	2	41	2	3	5
chr1	4999004	4999052	At1g14590	2	48	3	1	5
chr1	5000207	5000281	At1g14590	3	74	2	3	5
chr1	5027155	5027228	-	3	73	1	2	9
chr1	5032455	5032496	At1g14660	2	41	0	2	3
chr1	5040448	5040549	At1g14670	4	101	1	2	5
chr1	5047893	5047984	At1g14687	3	91	1	0	3
chr1	5052426	5052499	At1g14690	3	73	0	3	11
chr1	5053726	5053832	At1g14690	4	106	4	7	11
chr1	5054739	5054780	-	2	41	0	1	9
chr1	5059526	5059595	At1g14700	3	69	4	5	8
chr1	5080614	5080756	At1g14750	5	142	3	4	22
chr1	5104172	5104314	At1g14810	5	142	4	8	14
chr1	5105161	5105261	At1g14820	4	100	0	5	15
chr1	5122733	5122778	At1g14850	2	45	1	1	3
chr1	5124396	5124469	-	3	73	8	3	10
chr1	5129127	5129168	At1g14870	2	41	2	1	8
chr1	5139270	5139424	At1g14900	5	154	3	5	33
chr1	5142800	5142865	At1g14910	3	65	2	5	7
chr1	5143492	5143629	At1g14910	5	137	7	7	16
chr1	5161830	5161930	-	4	100	2	5	7
chr1	5162189	5162333	At1g14970	5	144	1	3	25
chr1	5172954	5173069	-	4	115	1	5	14
chr1	5177698	5177772	At1g15030	3	74	3	6	10
chr1	5179023	5179173	At1g15030	5	150	2	4	13
chr1	5181045	5181086	At1g15040	2	41	3	3	6
chr1	5184760	5184910	At1g15060	5	150	0	2	15
chr1	5199608	5199649	At1g15110	2	41	0	1	20
chr1	5201721	5201831	At1g15110	4	110	1	2	26
chr1	5203168	5203235	At1g15120	3	67	0	2	13
chr1	5215587	5215656	At1g15160	3	69	2	6	9
chr1	5216077	5216212	At1g15160	5	135	2	4	22
chr1	5216878	5217100	At1g15160	7	222	3	7	29
chr1	5225995	5226110	At1g15180	4	115	1	4	12
chr1	5239330	5239441	At1g15215	4	111	5	5	22
chr1	5242793	5242904	At1g15230	4	111	3	6	1
chr1	5243903	5243973	At1g15240	3	70	2	3	12
chr1	5244935	5245009	At1g15240	3	74	2	4	5
chr1	5245292	5245401	At1g15240	4	109	4	1	21
chr1	5245484	5245626	At1g15240	5	142	2	7	32
chr1	5248243	5248313	-	3	70	1	1	10
chr1	5253849	5254000	At1g15280	5	151	7	7	17
chr1	5255646	5255721	At1g15280	3	75	0	2	18
chr1	5265280	5265412	-	5	132	5	3	11
chr1	5272901	5272971	At1g15320	3	70	6	7	12
chr1	5281538	5281650	-	4	112	3	2	16
chr1	5287918	5288274	At1g15370	11	356	7	12	48
chr1	5304140	5304184	-	2	44	0	0	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	5311439	5311612	At1g15460	6	173	3	9	21
chr1	5314013	5314122	-	4	109	8	5	20
chr1	5314486	5314597	-	4	111	1	1	20
chr1	5317566	5317638	At1g15470	3	72	3	6	20
chr1	5318428	5318502	At1g15480	3	74	1	6	7
chr1	5320270	5320346	At1g15480	3	76	0	2	10
chr1	5337668	5337775	At1g15520	4	107	2	4	6
chr1	5338475	5338580	-	4	105	2	7	12
chr1	5343247	5343312	At1g15540	3	65	3	5	10
chr1	5354297	5354487	At1g15560	6	190	5	4	17
chr1	5368446	5368516	-	3	70	1	1	15
chr1	5378948	5379030	-	3	82	2	1	12
chr1	5379172	5379246	At1g15640	3	74	3	2	11
chr1	5391803	5391875	-	3	72	0	0	6
chr1	5394065	5394135	At1g15680	3	70	2	1	15
chr1	5394788	5394857	-	3	69	2	5	11
chr1	5402945	5403055	At1g15690	4	110	3	2	8
chr1	5404951	5405021	At1g15710	3	70	1	3	9
chr1	5415264	5415336	At1g15740	3	72	2	4	12
chr1	5418314	5418355	At1g15750	2	41	2	5	6
chr1	5425905	5426076	At1g15760	6	171	13	9	27
chr1	5426653	5426731	-	3	78	2	4	8
chr1	5427417	5427518	At1g15770	4	101	0	7	18
chr1	5427831	5427917	At1g15770	3	86	0	3	13
chr1	5429372	5429469	-	4	97	4	2	18
chr1	5433341	5433416	At1g15780	3	75	2	3	8
chr1	5445471	5445576	At1g15810	4	105	3	2	20
chr1	5457758	5457978	At1g15870	7	220	2	10	21
chr1	5458138	5458210	At1g15870	3	72	0	3	17
chr1	5459542	5459649	At1g15880	4	107	1	6	18
chr1	5472699	5472806	At1g15930	4	107	2	3	10
chr1	5475552	5475624	At1g15940	3	72	1	2	20
chr1	5476991	5477057	At1g15940	3	66	2	4	13
chr1	5492933	5493075	At1g15990	5	142	6	7	11
chr1	5494010	5494075	-	3	65	1	2	16
chr1	5495525	5495597	At1g16010	3	72	1	4	8
chr1	5503426	5503536	At1g16030	4	110	5	3	10
chr1	5511532	5511606	At1g16060	3	74	3	4	11
chr1	5528257	5528332	-	3	75	2	5	8
chr1	5536401	5536583	At1g16160	6	182	6	7	29
chr1	5539178	5539245	At1g16170	3	67	1	2	8
chr1	5540877	5540949	-	3	72	4	5	11
chr1	5543999	5544100	At1g16190	4	101	1	5	13
chr1	5545925	5546001	-	3	76	0	3	7
chr1	5546396	5546501	At1g16210	4	105	1	3	14
chr1	5547002	5547068	At1g16210	3	66	2	3	6
chr1	5554254	5554473	At1g16230	7	219	0	5	20
chr1	5558334	5558447	At1g16250	4	113	2	3	20
chr1	5560948	5561057	At1g16260	4	109	1	4	12
chr1	5571587	5571661	At1g16290	3	74	0	5	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	5589621	5589770	At1g16340	5	149	1	7	20
chr1	5591190	5591256	At1g16350	3	66	8	7	5
chr1	5592472	5592608	At1g16350	5	136	2	5	34
chr1	5593510	5593583	At1g16360	3	73	0	4	8
chr1	5595980	5596054	-	3	74	2	1	10
chr1	5596822	5596966	At1g16370	5	144	7	6	10
chr1	5604604	5604645	At1g16390	2	41	0	2	2
chr1	5615651	5615755	-	4	104	4	1	14
chr1	5627870	5627976	At1g16480	4	106	3	5	13
chr1	5629692	5629913	At1g16490	7	221	5	5	20
chr1	5649134	5649207	At1g16520	3	73	5	5	12
chr1	5649945	5650014	At1g16520	3	69	1	8	6
chr1	5652627	5652879	At1g16530	8	252	7	8	33
chr1	5655337	5655414	-	3	77	1	2	15
chr1	5656119	5656197	-	3	78	0	1	11
chr1	5657005	5657078	-	3	73	2	2	11
chr1	5661423	5661533	At1g16540	4	110	2	4	16
chr1	5665597	5665674	-	3	77	6	3	17
chr1	5666485	5666558	At1g16550	3	73	4	2	16
chr1	5667028	5667100	At1g16550	3	72	1	3	12
chr1	5692454	5692631	At1g16660	6	177	3	5	17
chr1	5692738	5692891	At1g16660	5	153	2	6	18
chr1	5705291	5705433	At1g16680	5	142	5	5	29
chr1	5709096	5709163	At1g16690	3	67	1	3	13
chr1	5712535	5712686	At1g16705	5	151	2	7	18
chr1	5713291	5713630	At1g16705	10	339	5	8	37
chr1	5717586	5717658	At1g16710	3	72	0	5	14
chr1	5722412	5722514	-	4	102	3	2	15
chr1	5730041	5730116	At1g16750	3	75	2	3	10
chr1	5738159	5738357	At1g16770	6	198	11	7	26
chr1	5739592	5739660	At1g16780	3	68	2	1	16
chr1	5757559	5757679	At1g16820	4	120	2	4	10
chr1	5762836	5762982	At1g16840	5	146	5	6	12
chr1	5771642	5771752	At1g16870	4	110	4	5	13
chr1	5776133	5776318	At1g16880	6	185	1	3	11
chr1	5785179	5785327	-	5	148	3	6	20
chr1	5786993	5787096	-	4	103	13	4	9
chr1	5792525	5792632	At1g16940	4	107	0	4	13
chr1	5793900	5794052	-	5	152	3	5	17
chr1	5794387	5794450	-	3	63	0	3	13
chr1	5813178	5813254	At1g17000	3	76	1	0	12
chr1	5817492	5817567	-	3	75	2	2	9
chr1	5819619	5819766	-	4	147	2	2	11
chr1	5839565	5839606	At1g17070	2	41	1	4	8
chr1	5843645	5843756	-	4	111	1	0	9
chr1	5843881	5843953	-	3	72	0	7	10
chr1	5846471	5846542	At1g17110	3	71	2	5	9
chr1	5847509	5847550	At1g17110	2	41	0	1	8
chr1	5848614	5848756	At1g17110	5	142	1	9	15
chr1	5857562	5857708	At1g17140	5	146	10	12	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	5862411	5862562	At1g17145	5	151	3	3	17
chr1	5864222	5864297	-	3	75	2	0	16
chr1	5881978	5882054	At1g17210	3	76	8	7	8
chr1	5883686	5883763	At1g17210	3	77	0	2	11
chr1	5886148	5886259	At1g17220	4	111	1	4	13
chr1	5892392	5892511	At1g17230	4	119	2	4	16
chr1	5901674	5901825	At1g17250	5	151	3	8	24
chr1	5909771	5909906	At1g17270	5	135	4	2	20
chr1	5923794	5923868	At1g17290	3	74	2	2	11
chr1	5924640	5924715	At1g17290	3	75	2	2	11
chr1	5929483	5929648	-	6	165	1	4	16
chr1	5931563	5931693	At1g17330	4	130	1	4	21
chr1	5938286	5938393	At1g17340	4	107	3	4	21
chr1	5942551	5942666	At1g17350	4	115	1	1	17
chr1	5948112	5948258	At1g17360	5	146	5	5	16
chr1	5949387	5949456	At1g17360	3	69	1	4	13
chr1	5951099	5951271	At1g17360	6	172	4	5	22
chr1	5957904	5957980	-	3	76	5	1	10
chr1	5958406	5958511	-	4	105	4	4	16
chr1	5964090	5964159	-	3	69	1	3	7
chr1	5974039	5974140	-	4	101	5	3	7
chr1	5977932	5978037	At1g17420	3	105	2	4	8
chr1	5978433	5978578	At1g17420	5	145	3	5	22
chr1	5978787	5978828	At1g17420	2	41	1	1	3
chr1	5987933	5988103	-	6	170	3	5	15
chr1	5996989	5997069	-	3	80	4	1	5
chr1	6002546	6002618	At1g17460	3	72	2	2	13
chr1	6007869	6007941	At1g17480	3	72	4	5	9
chr1	6008953	6009104	At1g17490	5	151	2	1	36
chr1	6014239	6014347	-	4	108	1	2	21
chr1	6021329	6021583	At1g17500	8	254	3	12	27
chr1	6024185	6024384	At1g17510	6	199	7	7	5
chr1	6034606	6034680	At1g17550	3	74	2	0	17
chr1	6038570	6038637	At1g17560	3	67	2	4	12
chr1	6039597	6039700	At1g17580	4	103	2	4	13
chr1	6041855	6041927	At1g17580	3	72	1	3	11
chr1	6046187	6046329	At1g17580	5	142	1	5	15
chr1	6049624	6049697	-	3	73	1	0	13
chr1	6054623	6054769	At1g17600	5	146	5	5	24
chr1	6057577	6057692	At1g17610	4	115	4	4	18
chr1	6075181	6075334	-	5	153	0	2	19
chr1	6089567	6089638	-	3	71	3	3	11
chr1	6094325	6094433	At1g17720	4	108	4	7	7
chr1	6094766	6094837	At1g17720	3	71	2	2	12
chr1	6099729	6099844	At1g17730	4	115	1	3	20
chr1	6100181	6100251	At1g17730	3	70	0	3	10
chr1	6105805	6105877	-	3	72	3	0	13
chr1	6106337	6106406	-	3	69	7	3	8
chr1	6108285	6108356	At1g17750	3	71	2	6	9
chr1	6110847	6110953	At1g17760	4	106	2	5	21

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	6112779	6113101	At1g17760	10	322	4	4	40
chr1	6117475	6117628	-	5	153	3	5	32
chr1	6121519	6121583	At1g17770	3	64	3	7	16
chr1	6131369	6131485	At1g17810	4	116	2	6	15
chr1	6131815	6131887	At1g17810	3	72	1	0	4
chr1	6134047	6134161	At1g17820	4	114	1	2	19
chr1	6144153	6144223	At1g17840	3	70	0	4	11
chr1	6145396	6145468	At1g17840	3	72	1	3	7
chr1	6145898	6145970	At1g17840	3	72	0	3	12
chr1	6152155	6152224	At1g17870	3	69	3	2	15
chr1	6183421	6183566	At1g17960	5	145	4	6	13
chr1	6188100	6188239	At1g17980	5	139	1	8	19
chr1	6192449	6192553	At1g17990	4	104	2	4	15
chr1	6194145	6194221	-	3	76	1	2	11
chr1	6204411	6204471	At1g18030	2	60	1	3	8
chr1	6206402	6206539	At1g18030	5	137	0	1	25
chr1	6212394	6212503	At1g18060	4	109	2	8	10
chr1	6244878	6244949	At1g18150	3	71	2	7	7
chr1	6246996	6247106	At1g18150	4	110	1	6	6
chr1	6259295	6259373	At1g18190	3	78	0	2	9
chr1	6259975	6260045	At1g18190	3	70	3	5	5
chr1	6260372	6260413	At1g18190	2	41	1	3	7
chr1	6267491	6267640	At1g18210	5	149	6	5	11
chr1	6270611	6270652	-	2	41	1	0	11
chr1	6276421	6276493	-	3	72	0	0	5
chr1	6280707	6280821	At1g18260	4	114	0	4	13
chr1	6281708	6281811	At1g18260	4	103	9	7	12
chr1	6284367	6284437	At1g18270	3	70	2	6	10
chr1	6285955	6286059	At1g18270	4	104	1	7	10
chr1	6287501	6287608	At1g18270	4	107	0	3	24
chr1	6293295	6293410	At1g18270	4	115	1	4	8
chr1	6300679	6300788	At1g18300	4	109	1	4	25
chr1	6309365	6309433	At1g18335	3	68	0	2	12
chr1	6311137	6311225	At1g18335	3	88	6	1	3
chr1	6315866	6316011	At1g18350	5	145	14	5	9
chr1	6337641	6337719	At1g18410	3	78	1	4	13
chr1	6338155	6338276	At1g18410	4	121	2	3	16
chr1	6345004	6345074	At1g18420	3	70	2	4	13
chr1	6356697	6356768	At1g18470	3	71	0	4	9
chr1	6360745	6360855	-	4	110	3	1	8
chr1	6362880	6362989	At1g18480	4	109	2	1	16
chr1	6363922	6363997	At1g18485	3	75	1	3	18
chr1	6365707	6365882	At1g18485	6	175	3	5	30
chr1	6377877	6378016	At1g18540	5	139	1	2	19
chr1	6408295	6408336	At1g18610	2	41	1	3	12
chr1	6410892	6411003	At1g18620	4	111	2	1	15
chr1	6412506	6412652	At1g18620	5	146	0	6	18
chr1	6432979	6433048	At1g18680	3	69	2	5	4
chr1	6437473	6437560	-	3	87	4	2	9
chr1	6441904	6441976	At1g18700	3	72	3	3	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	6448953	6448994	-	2	41	0	1	8
chr1	6467981	6468051	At1g18750	3	70	0	3	10
chr1	6468689	6468761	At1g18750	3	72	1	3	6
chr1	6474004	6474045	At1g18770	2	41	1	1	12
chr1	6474904	6475042	-	5	138	8	9	18
chr1	6480589	6480660	-	3	71	0	1	13
chr1	6481109	6481250	At1g18800	5	141	1	6	12
chr1	6485979	6486197	At1g18810	7	218	7	7	30
chr1	6488708	6488861	-	5	153	2	3	19
chr1	6490261	6490408	At1g18830	5	147	1	9	14
chr1	6492157	6492224	At1g18830	3	67	1	0	14
chr1	6502824	6502931	At1g18840	4	107	6	8	11
chr1	6505205	6505354	At1g18850	5	149	3	5	17
chr1	6521441	6521546	At1g18880	4	105	5	7	12
chr1	6522946	6523017	At1g18880	3	71	6	7	7
chr1	6543910	6543984	At1g18940	3	74	3	5	7
chr1	6561722	6561792	At1g19000	3	70	0	0	5
chr1	6569337	6569412	At1g19025	3	75	1	3	11
chr1	6572266	6572410	At1g19030	5	144	4	7	35
chr1	6591707	6591769	At1g19090	3	62	1	3	6
chr1	6596017	6596088	At1g19100	3	71	0	0	12
chr1	6596538	6596717	At1g19100	6	179	1	3	29
chr1	6601893	6601999	-	4	106	6	2	13
chr1	6602912	6602989	At1g19110	3	77	2	2	8
chr1	6606670	6606783	-	4	113	5	5	11
chr1	6608637	6608781	At1g19120	5	144	1	2	23
chr1	6615744	6615787	-	2	43	0	0	5
chr1	6629778	6629883	At1g19220	4	105	1	12	17
chr1	6630931	6631005	At1g19220	3	74	1	3	10
chr1	6637039	6637189	-	5	150	1	1	13
chr1	6644364	6644440	At1g19230	3	76	10	6	11
chr1	6663645	6663715	At1g19270	3	70	2	4	14
chr1	6667286	6667359	At1g19290	3	73	2	3	14
chr1	6682108	6682221	At1g19330	4	113	1	2	10
chr1	6686094	6686135	At1g19340	2	41	1	1	14
chr1	6691189	6691261	At1g19360	3	72	2	5	10
chr1	6693711	6693783	At1g19370	3	72	4	3	7
chr1	6698411	6698515	At1g19380	4	104	7	7	19
chr1	6705865	6705915	-	2	50	0	1	3
chr1	6721436	6721542	At1g19420	4	106	3	1	16
chr1	6722061	6722130	At1g19420	3	69	2	1	9
chr1	6730032	6730073	At1g19440	2	41	2	2	10
chr1	6750612	6750725	At1g19485	4	113	2	4	15
chr1	6751167	6751240	At1g19485	3	73	2	6	16
chr1	6753816	6753890	At1g19490	3	74	6	8	3
chr1	6756114	6756192	-	3	78	2	1	9
chr1	6760002	6760182	At1g19520	6	180	7	5	6
chr1	6768424	6768591	-	5	167	1	2	15
chr1	6774095	6774169	At1g19570	3	74	1	4	16
chr1	6783545	6783610	-	3	65	1	1	4

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	6784237	6784315	At1g19620	3	78	5	4	3
chr1	6794267	6794347	-	3	80	0	3	5
chr1	6799524	6799594	At1g19650	3	70	3	3	12
chr1	6804157	6804221	At1g19670	3	64	7	10	6
chr1	6804897	6804970	At1g19670	3	73	4	2	11
chr1	6806782	6806969	At1g19680	6	187	3	6	27
chr1	6810034	6810175	At1g19700	5	141	7	10	21
chr1	6815461	6815527	At1g19710	3	66	0	4	9
chr1	6820770	6820843	At1g19720	3	73	2	3	10
chr1	6821463	6821532	At1g19720	3	69	0	5	5
chr1	6835216	6835287	At1g19780	3	71	2	7	9
chr1	6836002	6836146	At1g19780	5	144	3	4	18
chr1	6839437	6839549	At1g19790	4	112	6	4	15
chr1	6842429	6842536	-	4	107	2	3	11
chr1	6846481	6846557	At1g19800	3	76	1	2	10
chr1	6854960	6855005	-	2	45	1	3	2
chr1	6856244	6856318	At1g19835	3	74	7	4	11
chr1	6870842	6870976	-	5	134	0	4	12
chr1	6878621	6878693	-	3	72	0	0	6
chr1	6891335	6891407	At1g19850	3	72	0	2	15
chr1	6894131	6894202	At1g19860	3	71	1	2	5
chr1	6894834	6894942	-	4	108	3	3	11
chr1	6914419	6914470	At1g19910	2	51	0	0	7
chr1	6916043	6916109	At1g19920	3	66	1	1	5
chr1	6916727	6916829	At1g19920	4	102	1	1	22
chr1	6920187	6920261	At1g19940	3	74	4	2	7
chr1	6932813	6932892	-	2	79	2	2	6
chr1	6936185	6936289	At1g19990	4	104	1	2	18
chr1	6937214	6937286	At1g20000	3	72	3	4	8
chr1	6938226	6938333	At1g20010	4	107	4	2	14
chr1	6939704	6939780	At1g20010	3	76	2	2	7
chr1	6940476	6940639	At1g20010	5	163	3	1	24
chr1	6942817	6942964	At1g20020	5	147	2	8	11
chr1	6964473	6964541	At1g20080	3	68	1	0	14
chr1	6967490	6967563	At1g20090	3	73	0	1	15
chr1	6967961	6968032	At1g20090	3	71	2	4	10
chr1	6969594	6969670	At1g20100	3	76	1	4	14
chr1	6976686	6976762	At1g20120	3	76	1	2	10
chr1	6986957	6987024	At1g20140	3	67	3	7	15
chr1	6988991	6989103	At1g20150	4	112	2	6	12
chr1	6991775	6991852	At1g20160	3	77	0	3	20
chr1	6993166	6993240	At1g20160	3	74	2	4	7
chr1	6996865	6996943	At1g20180	3	78	4	2	10
chr1	7000756	7000870	-	4	114	2	3	15
chr1	7003322	7003390	At1g20200	3	68	3	2	10
chr1	7004082	7004197	At1g20200	4	115	2	1	21
chr1	7014581	7014758	At1g20240	6	177	7	3	14
chr1	7032364	7032434	At1g20310	3	70	5	5	11
chr1	7033454	7033563	-	4	109	1	0	13
chr1	7037950	7038314	-	11	364	3	6	37

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	7047066	7047137	At1g20360	3	71	3	3	11
chr1	7052079	7052156	At1g20370	3	77	0	4	4
chr1	7059188	7059261	-	3	73	0	2	8
chr1	7084131	7084243	-	3	112	2	1	10
chr1	7094962	7095068	At1g20480	4	106	3	4	21
chr1	7104351	7104414	At1g20510	3	63	1	1	8
chr1	7105531	7105575	At1g20510	2	44	2	0	16
chr1	7107664	7107815	-	4	151	1	1	26
chr1	7108175	7108244	-	3	69	3	2	10
chr1	7108531	7108605	At1g20530	3	74	1	4	3
chr1	7114868	7114935	At1g20540	3	67	2	4	6
chr1	7117204	7117329	At1g20550	4	125	3	5	13
chr1	7120269	7120534	At1g20560	8	265	6	8	23
chr1	7122319	7122397	At1g20570	3	78	4	6	11
chr1	7131337	7131381	At1g20590	2	44	1	1	3
chr1	7143271	7143312	At1g20620	2	41	0	1	7
chr1	7146085	7146194	At1g20620	4	109	3	7	10
chr1	7152285	7152360	-	3	75	1	2	11
chr1	7154751	7154866	At1g20640	4	115	1	4	14
chr1	7165334	7165510	At1g20670	6	176	6	6	26
chr1	7169233	7169372	At1g20680	5	139	2	3	20
chr1	7182828	7182931	At1g20700	4	103	4	1	17
chr1	7186240	7186314	At1g20720	3	74	1	6	13
chr1	7191983	7192096	At1g20720	4	113	1	5	15
chr1	7198093	7198234	At1g20730	5	141	8	8	17
chr1	7204625	7204800	At1g20750	6	175	2	8	23
chr1	7215696	7215766	At1g20770	3	70	3	5	9
chr1	7216061	7216171	At1g20770	4	110	4	2	19
chr1	7217462	7217531	At1g20780	3	69	1	1	12
chr1	7218559	7218634	At1g20780	3	75	1	2	17
chr1	7222837	7222909	-	3	72	2	3	8
chr1	7272575	7272645	At1g20900	3	70	2	2	8
chr1	7273215	7273290	At1g20900	3	75	4	6	9
chr1	7289307	7289447	-	5	140	2	7	22
chr1	7291423	7291497	At1g20925	3	74	3	5	7
chr1	7292318	7292432	At1g20925	4	114	1	4	14
chr1	7292536	7292689	-	5	153	0	3	23
chr1	7297612	7297723	At1g20950	4	111	3	4	13
chr1	7298089	7298168	At1g20950	3	79	3	5	7
chr1	7307950	7308093	At1g20960	5	143	3	8	14
chr1	7308198	7308342	At1g20960	5	144	0	4	20
chr1	7309606	7309712	At1g20960	4	106	1	4	5
chr1	7313659	7313700	-	2	41	1	0	7
chr1	7324496	7324603	-	4	107	2	3	11
chr1	7333813	7333856	-	2	43	2	2	3
chr1	7341780	7341821	-	2	41	4	0	5
chr1	7347509	7347657	-	5	148	2	0	20
chr1	7367309	7367393	At1g21050	3	84	8	5	13
chr1	7367916	7367983	-	3	67	3	3	4
chr1	7369410	7369518	-	4	108	1	3	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	7373705	7373816	At1g21060	4	111	5	8	12
chr1	7380229	7380297	At1g21080	3	68	3	4	11
chr1	7386808	7386912	-	4	104	2	1	12
chr1	7392563	7392672	At1g21110	4	109	0	0	21
chr1	7403141	7403182	-	2	41	0	2	9
chr1	7404324	7404429	-	4	105	1	2	8
chr1	7418596	7418664	At1g21170	3	68	1	3	13
chr1	7424011	7424153	-	5	142	2	7	15
chr1	7425794	7425935	At1g21210	5	141	3	5	17
chr1	7431544	7431619	At1g21230	3	75	1	4	13
chr1	7446974	7447047	At1g21270	3	73	0	1	16
chr1	7451934	7452013	-	3	79	1	2	12
chr1	7456889	7456966	-	3	77	3	5	4
chr1	7463800	7463873	At1g21312	3	73	3	4	10
chr1	7470286	7470358	-	3	72	1	2	18
chr1	7470838	7470909	-	3	71	4	1	11
chr1	7471159	7471235	-	3	76	1	0	11
chr1	7485399	7485475	At1g21370	3	76	0	4	15
chr1	7487628	7487776	At1g21380	5	148	2	3	14
chr1	7497833	7497983	At1g21410	5	150	0	2	28
chr1	7502151	7502233	At1g21430	3	82	0	1	15
chr1	7503070	7503141	At1g21440	3	71	1	2	12
chr1	7513156	7513271	At1g21460	4	115	5	3	17
chr1	7514662	7514731	-	3	69	0	4	7
chr1	7515112	7515252	-	5	140	4	3	12
chr1	7520367	7520476	At1g21480	4	109	2	3	15
chr1	7524237	7524382	At1g21475	5	145	9	6	19
chr1	7529968	7530070	At1g21500	4	102	1	4	21
chr1	7530838	7530907	At1g21500	3	69	9	11	15
chr1	7543945	7544091	-	5	146	2	1	12
chr1	7544419	7544527	-	4	108	5	6	9
chr1	7544769	7544819	-	2	50	1	4	2
chr1	7546294	7546440	At1g21530	5	146	8	4	15
chr1	7548806	7548882	At1g21540	3	76	0	2	9
chr1	7555678	7555747	At1g21560	3	69	2	3	15
chr1	7562142	7562251	At1g21580	4	109	4	8	12
chr1	7567933	7568079	At1g21590	5	146	4	8	11
chr1	7577898	7577939	At1g21610	2	41	1	1	4
chr1	7590181	7590257	At1g21640	3	76	0	7	15
chr1	7601451	7601519	At1g21650	3	68	2	3	8
chr1	7603099	7603166	At1g21650	3	67	0	3	7
chr1	7613278	7613350	At1g21680	3	72	5	4	6
chr1	7613661	7613769	At1g21680	4	108	10	11	14
chr1	7613985	7614056	At1g21680	3	71	4	2	13
chr1	7620345	7620386	At1g21700	2	41	3	2	12
chr1	7620899	7620999	At1g21700	4	100	3	10	13
chr1	7625602	7625715	At1g21710	4	113	1	8	20
chr1	7632159	7632275	At1g21730	4	116	2	5	11
chr1	7633100	7633168	At1g21730	3	68	1	1	13
chr1	7640269	7640412	-	5	143	2	5	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	7653787	7653921	At1g21780	5	134	2	9	21
chr1	7654890	7655004	At1g21790	4	114	2	2	20
chr1	7657352	7657420	At1g21810	3	68	1	4	2
chr1	7658534	7658607	At1g21810	3	73	0	4	8
chr1	7673165	7673228	At1g21860	2	63	3	1	7
chr1	7674207	7674321	-	4	114	2	2	19
chr1	7678830	7678871	At1g21870	2	41	0	2	11
chr1	7684083	7684196	At1g21890	4	113	6	10	7
chr1	7692149	7692295	At1g21900	5	146	10	9	8
chr1	7693428	7693538	-	4	110	2	2	14
chr1	7705317	7705459	At1g21920	5	142	8	5	9
chr1	7706568	7706677	-	4	109	1	2	10
chr1	7735104	7735323	At1g21980	7	219	11	9	30
chr1	7738365	7738437	At1g21980	3	72	3	2	14
chr1	7739410	7739520	At1g56605	4	110	0	2	14
chr1	7744290	7744399	At1g22000	4	109	6	6	14
chr1	7752227	7752379	At1g22015	5	152	4	5	9
chr1	7760351	7760421	At1g22030	3	70	2	4	10
chr1	7808863	7809053	At1g22120	6	190	2	4	29
chr1	7814714	7814818	At1g56605	4	104	2	4	11
chr1	7840506	7840578	At1g22200	3	72	3	3	11
chr1	7847272	7847340	At1g22220	3	68	6	2	20
chr1	7857270	7857339	At1g56605	3	69	3	3	9
chr1	7866095	7866163	At1g22270	3	68	0	2	13
chr1	7870759	7870873	At1g22275	4	114	0	3	20
chr1	7874448	7874589	At1g22280	5	141	0	2	27
chr1	7891959	7892030	At1g22340	3	71	7	4	12
chr1	7895704	7895814	At1g22360	4	110	5	3	13
chr1	7910122	7910206	At1g56605	3	84	2	1	11
chr1	7910810	7910912	At1g56605	4	102	4	3	11
chr1	7911754	7911825	At1g56605	3	71	9	6	5
chr1	7920691	7920734	At1g22430	2	43	0	0	4
chr1	7931957	7932032	At1g56605	3	75	2	5	1
chr1	7932552	7932626	At1g56605	3	74	1	3	6
chr1	7976858	7976929	At1g22570	3	71	4	3	14
chr1	7995754	7995856	At1g22610	4	102	7	6	13
chr1	7996866	7996975	At1g22610	4	109	3	7	14
chr1	7998412	7998483	At1g22620	3	71	0	3	14
chr1	8001420	8001493	At1g22620	3	73	2	4	12
chr1	8027415	8027558	At1g22690	5	143	0	6	13
chr1	8029101	8029207	At1g22700	4	106	4	5	10
chr1	8030309	8030380	-	3	71	2	1	9
chr1	8071971	8072064	At1g22800	3	93	7	7	11
chr1	8076351	8076487	-	4	136	1	3	15
chr1	8081567	8081751	At1g22850	6	184	2	5	27
chr1	8085140	8085250	At1g22860	4	110	2	8	11
chr1	8086448	8086520	At1g22860	3	72	2	4	15
chr1	8089541	8089613	At1g22870	3	72	4	8	9
chr1	8096999	8097107	At1g22880	4	108	2	3	9
chr1	8104452	8104567	At1g22900	4	115	1	3	21

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	8113403	8113501	-	3	98	0	1	16
chr1	8116970	8117047	-	3	77	3	2	9
chr1	8117213	8117318	-	4	105	6	2	6
chr1	8122829	8122948	At1g22940	4	119	2	2	19
chr1	8125101	8125209	-	4	108	1	3	11
chr1	8126050	8126125	At1g22950	3	75	1	3	11
chr1	8132000	8132142	At1g22970	5	142	4	4	21
chr1	8138831	8138908	-	3	77	2	0	9
chr1	8141223	8141301	-	3	78	2	1	15
chr1	8144337	8144517	At1g23000	6	180	4	9	23
chr1	8145291	8145332	-	2	41	2	3	8
chr1	8153439	8153551	-	4	112	7	3	17
chr1	8158159	8158233	At1g23030	3	74	2	3	9
chr1	8162913	8162986	-	3	73	1	4	17
chr1	8169382	8169456	-	3	74	2	1	16
chr1	8181355	8181466	At1g23080	4	111	5	3	10
chr1	8184104	8184174	-	3	70	1	1	15
chr1	8191959	8192032	-	3	73	2	1	16
chr1	8194094	8194311	-	7	217	5	1	32
chr1	8210410	8210512	At1g23160	4	102	3	2	7
chr1	8227993	8228093	At1g23200	4	100	8	10	13
chr1	8230558	8230665	-	4	107	3	4	17
chr1	8242130	8242281	-	5	151	4	0	17
chr1	8245464	8245536	At1g23230	3	72	2	6	15
chr1	8253701	8253789	At1g23240	3	88	4	2	9
chr1	8254006	8254083	At1g23240	3	77	1	1	13
chr1	8256828	8256946	-	4	118	1	5	1
chr1	8257094	8257159	At1g23260	3	65	0	1	9
chr1	8264775	8264883	At1g23300	4	108	3	7	10
chr1	8265746	8265852	At1g23300	4	106	6	9	19
chr1	8274881	8275067	At1g23320	6	186	12	11	14
chr1	8279696	8279800	-	4	104	3	4	15
chr1	8284380	8284523	At1g23340	5	143	7	6	23
chr1	8293012	8293078	-	3	66	1	1	10
chr1	8300372	8300446	At1g23380	3	74	1	2	11
chr1	8304697	8304805	-	4	108	3	4	13
chr1	8307241	8307312	-	3	71	1	2	9
chr1	8312196	8312346	At1g23400	5	150	6	6	8
chr1	8325639	8325713	At1g23450	3	74	3	7	8
chr1	8330962	8331069	-	4	107	3	2	17
chr1	8344856	8344917	-	2	61	1	1	9
chr1	8345044	8345155	-	4	111	2	3	18
chr1	8346054	8346188	At1g23530	5	134	11	9	25
chr1	8347653	8347724	At1g23540	3	71	3	3	8
chr1	8348443	8348688	At1g23540	8	245	6	14	22
chr1	8349148	8349360	At1g23540	7	212	10	12	44
chr1	8352811	8353063	At1g23560	8	252	4	6	30
chr1	8359799	8359929	At1g23590	4	130	0	3	9
chr1	8367000	8367041	-	2	41	0	0	5
chr1	8368058	8368235	At1g23630	6	177	2	7	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	8373591	8373660	At1g23670	3	69	4	0	8
chr1	8398836	8398946	At1g23740	4	110	4	9	6
chr1	8401113	8401184	At1g23750	3	71	5	0	10
chr1	8401625	8401700	-	3	75	0	1	15
chr1	8402131	8402309	At1g23760	6	178	6	5	9
chr1	8402759	8402826	At1g23760	3	67	9	9	3
chr1	8403926	8404000	At1g23760	3	74	1	3	10
chr1	8408849	8409113	-	8	264	5	5	20
chr1	8411673	8411746	At1g23790	3	73	0	2	20
chr1	8413796	8413871	At1g23800	3	75	1	3	8
chr1	8420440	8420552	At1g23820	4	112	4	7	20
chr1	8425178	8425367	At1g23840	6	189	3	4	33
chr1	8427593	8427665	At1g23860	3	72	1	5	14
chr1	8441824	8441934	At1g23900	4	110	5	5	20
chr1	8442270	8442346	At1g23900	3	76	2	5	13
chr1	8444438	8444493	At1g23900	2	55	0	1	10
chr1	8476445	8476663	-	7	218	1	4	17
chr1	8478829	8478899	At1g23960	3	70	2	7	4
chr1	8499483	8499588	At1g24010	4	105	1	1	13
chr1	8502126	8502196	-	3	70	2	2	9
chr1	8515137	8515238	-	4	101	1	4	15
chr1	8532109	8532227	At1g24120	4	118	5	5	15
chr1	8536720	8537036	At1g24140	10	316	27	14	38
chr1	8547379	8547447	-	3	68	1	1	14
chr1	8551198	8551318	At1g24150	4	120	5	5	21
chr1	8552099	8552208	-	4	109	0	5	14
chr1	8553125	8553202	-	3	77	1	6	12
chr1	8557504	8557573	At1g24170	3	69	1	3	8
chr1	8558269	8558343	At1g24170	3	74	6	4	12
chr1	8560499	8560602	-	4	103	1	4	15
chr1	8563954	8564019	At1g24190	3	65	1	3	9
chr1	8570339	8570417	-	3	78	4	2	12
chr1	8588679	8588747	At1g23810	3	68	1	1	8
chr1	8596107	8596182	-	3	75	0	1	8
chr1	8605068	8605109	At1g24267	2	41	0	1	9
chr1	8606898	8607004	At1g24267	4	106	2	4	15
chr1	8612535	8612613	At1g24280	3	78	0	1	10
chr1	8629715	8629818	At1g24320	4	103	1	3	19
chr1	8678985	8679096	At1g24490	4	111	5	5	15
chr1	8686158	8686228	At1g24510	3	70	2	2	7
chr1	8693845	8694024	At1g24530	6	179	15	12	18
chr1	8703655	8703722	At1g24560	3	67	2	2	16
chr1	8704987	8705063	At1g24560	3	76	0	3	18
chr1	8709230	8709407	At1g24570	6	177	2	4	28
chr1	8710956	8711125	-	6	169	1	4	13
chr1	8714186	8714227	-	2	41	1	0	5
chr1	8744927	8745037	At1g24706	4	110	0	4	15
chr1	8747141	8747209	At1g24706	3	68	3	5	10
chr1	8771505	8771621	At1g24909	4	116	1	3	17
chr1	8777074	8777150	At1g24822	3	76	1	3	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	8852468	8852546	-	3	78	0	0	14
chr1	8853886	8853965	-	3	79	1	2	11
chr1	8857455	8857601	-	5	146	2	3	22
chr1	8857940	8858012	At1g25270	3	72	0	0	8
chr1	8862562	8862630	-	3	68	1	2	11
chr1	8877569	8877642	-	3	73	1	1	7
chr1	8881810	8881923	At1g25330	4	113	1	4	19
chr1	8890646	8890714	At1g25350	3	68	0	3	9
chr1	8903723	8903796	At1g25380	3	73	3	3	12
chr1	8905339	8905452	At1g25380	4	113	2	3	13
chr1	8910719	8910794	-	3	75	1	2	12
chr1	8912523	8912591	-	3	68	2	5	12
chr1	8916657	8916804	At1g25420	5	147	1	3	32
chr1	8920366	8920417	-	2	51	1	1	3
chr1	8926004	8926149	-	5	145	4	5	11
chr1	8934423	8934530	At1g25440	4	107	6	2	3
chr1	8941798	8941867	-	3	69	4	4	7
chr1	8944695	8944849	At1g25470	5	154	2	3	20
chr1	8946268	8946343	At1g25470	3	75	1	3	9
chr1	8972367	8972443	At1g25540	3	76	0	7	18
chr1	8995055	8995192	At1g25570	5	137	8	9	24
chr1	8996934	8997190	At1g25580	8	256	3	9	27
chr1	9016668	9016780	At1g25988	3	112	3	8	4
chr1	9022993	9023055	At1g26100	3	62	3	4	7
chr1	9024941	9025017	At1g26110	3	76	3	2	13
chr1	9039623	9039763	-	5	140	2	9	12
chr1	9044783	9044889	At1g26160	4	106	2	8	9
chr1	9048246	9048354	At1g26170	4	108	1	7	14
chr1	9056486	9056557	At1g26180	3	71	1	5	14
chr1	9063412	9063521	-	4	109	1	4	12
chr1	9067907	9068011	At1g26210	4	104	2	2	25
chr1	9070503	9070614	-	4	111	1	5	17
chr1	9071085	9071157	-	3	72	1	2	8
chr1	9077477	9077553	-	3	76	1	3	12
chr1	9079077	9079218	At1g26240	4	141	3	3	33
chr1	9080771	9080885	-	4	114	2	1	12
chr1	9082008	9082053	-	2	45	1	0	11
chr1	9091924	9092097	At1g26270	6	173	3	1	18
chr1	9097993	9098105	At1g26300	4	112	2	2	22
chr1	9111339	9111443	At1g26330	4	104	1	3	17
chr1	9112293	9112402	At1g26330	4	109	1	2	15
chr1	9117744	9117819	-	3	75	0	0	16
chr1	9125259	9125375	At1g26370	4	116	2	3	21
chr1	9127736	9127841	At1g26380	4	105	6	4	12
chr1	9131203	9131313	At1g26390	4	110	3	6	14
chr1	9150785	9150856	-	3	71	3	2	11
chr1	9156437	9156723	At1g26480	9	286	2	8	28
chr1	9159136	9159274	At1g26500	5	138	3	4	30
chr1	9159666	9159737	At1g26500	3	71	1	0	19
chr1	9159844	9160051	At1g26500	7	207	6	3	37

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	9180310	9180381	At1g26560	3	71	4	2	15
chr1	9200287	9200441	-	5	154	3	1	11
chr1	9207771	9207920	At1g26640	5	149	6	8	15
chr1	9225425	9225498	At1g26690	3	73	3	2	15
chr1	9242025	9242066	At1g26730	2	41	0	1	14
chr1	9246505	9246648	At1g26740	5	143	11	8	15
chr1	9253726	9253793	-	3	67	1	2	10
chr1	9257742	9257811	-	3	69	1	2	10
chr1	9260824	9260900	At1g26770	3	76	2	3	15
chr1	9270799	9270870	-	3	71	3	0	3
chr1	9272396	9272470	-	3	74	4	3	16
chr1	9281572	9281680	-	4	108	0	1	8
chr1	9284771	9284812	-	2	41	0	2	2
chr1	9288327	9288439	At1g26810	4	112	1	4	13
chr1	9296907	9296978	At1g26830	3	71	1	3	16
chr1	9302520	9302660	At1g26850	5	140	6	2	18
chr1	9321048	9321197	At1g26900	5	149	6	4	19
chr1	9330564	9330633	-	3	69	2	0	7
chr1	9338111	9338215	-	4	104	1	2	19
chr1	9338355	9338407	-	2	52	0	2	5
chr1	9346367	9346474	-	4	107	5	3	15
chr1	9351684	9351962	At1g26945	9	278	2	5	28
chr1	9357030	9357209	At1g26960	6	179	3	8	23
chr1	9364082	9364126	-	2	44	2	1	10
chr1	9366994	9367035	-	2	41	0	1	9
chr1	9369647	9369718	At1g26990	3	71	0	5	14
chr1	9374375	9374442	At1g27000	3	67	0	5	16
chr1	9374659	9374731	At1g27000	3	72	2	5	12
chr1	9374940	9375037	At1g27000	4	97	1	7	22
chr1	9382330	9382429	At1g27030	4	99	5	6	12
chr1	9402950	9403129	At1g27080	6	179	6	10	24
chr1	9406147	9406255	At1g27090	4	108	3	3	26
chr1	9414497	9414640	At1g27110	5	143	3	4	18
chr1	9415657	9415735	-	3	78	2	1	5
chr1	9421970	9422046	At1g27120	3	76	3	2	18
chr1	9422799	9422906	At1g27120	4	107	2	8	18
chr1	9427341	9427413	-	3	72	4	2	14
chr1	9427862	9427970	At1g27140	4	108	3	4	17
chr1	9439673	9439775	-	4	102	3	3	17
chr1	9445690	9445762	At1g27180	3	72	3	5	14
chr1	9470583	9470662	At1g27260	3	79	1	6	10
chr1	9471841	9471949	-	4	108	4	3	16
chr1	9472832	9472946	At1g27270	4	114	1	3	23
chr1	9474236	9474306	At1g27280	3	70	1	4	10
chr1	9474792	9474899	At1g27280	4	107	5	3	16
chr1	9477008	9477083	At1g27285	3	75	2	2	10
chr1	9489520	9489594	At1g27320	3	74	0	3	14
chr1	9492567	9492637	-	3	70	4	3	6
chr1	9507052	9507127	At1g27370	3	75	1	3	8
chr1	9519651	9519755	At1g27420	4	104	0	3	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	9522518	9522847	At1g27430	10	329	7	23	36
chr1	9528522	9528590	At1g27435	3	68	3	1	12
chr1	9534694	9534843	At1g27460	5	149	4	4	18
chr1	9535579	9535651	At1g27460	3	72	2	6	11
chr1	9551224	9551295	-	3	71	2	0	17
chr1	9552350	9552459	At1g27500	4	109	4	6	12
chr1	9560742	9560954	At1g27520	7	212	2	10	29
chr1	9567622	9567724	At1g27540	4	102	7	8	10
chr1	9573541	9573590	-	2	49	0	1	3
chr1	9578587	9578704	At1g27570	4	117	0	1	18
chr1	9581202	9581313	At1g27570	4	111	2	6	11
chr1	9591065	9591174	-	4	109	2	4	18
chr1	9595886	9595957	At1g27595	3	71	1	3	8
chr1	9603462	9603700	At1g27600	7	238	3	5	31
chr1	9623353	9623448	At1g27660	3	95	1	0	10
chr1	9626059	9626159	-	4	100	1	1	19
chr1	9641777	9641954	At1g27700	6	177	6	5	23
chr1	9645489	9645632	At1g27720	5	143	0	4	27
chr1	9657985	9658095	At1g27750	4	110	4	4	21
chr1	9661350	9661422	At1g27750	3	72	3	6	12
chr1	9664808	9664893	At1g27750	3	85	1	0	12
chr1	9670593	9670738	At1g27760	5	145	2	5	22
chr1	9671670	9671735	At1g27770	3	65	1	2	8
chr1	9698833	9698876	-	2	43	0	2	9
chr1	9701393	9701463	At1g27850	3	70	0	8	10
chr1	9711356	9711426	At1g27880	3	70	1	2	9
chr1	9714438	9714509	At1g27820	2	71	2	4	2
chr1	9720668	9720736	-	3	68	2	3	9
chr1	9721101	9721249	At1g27910	5	148	4	8	14
chr1	9727551	9727666	At1g27920	4	115	2	8	18
chr1	9734584	9734730	At1g27940	5	146	5	9	15
chr1	9737669	9737785	At1g27940	4	116	3	2	12
chr1	9737900	9738077	At1g27940	6	177	6	6	17
chr1	9739920	9740026	-	4	106	2	2	16
chr1	9744746	9744868	At1g27960	4	122	0	0	18
chr1	9745615	9745684	At1g27960	3	69	5	5	11
chr1	9758909	9759020	-	4	111	1	0	9
chr1	9763437	9763544	At1g28010	4	107	2	5	22
chr1	9775799	9775866	At1g28050	3	67	3	4	9
chr1	9780168	9780239	At1g28060	3	71	1	5	10
chr1	9780644	9780707	At1g28060	3	63	1	3	12
chr1	9801287	9801394	At1g28100	4	107	2	4	10
chr1	9804263	9804381	At1g28100	4	118	1	4	14
chr1	9804849	9804919	At1g28110	3	70	2	3	7
chr1	9811004	9811045	-	2	41	1	1	5
chr1	9815627	9815723	-	3	96	2	2	6
chr1	9818232	9818303	-	3	71	3	3	8
chr1	9839904	9840013	At1g28160	4	109	4	6	19
chr1	9857466	9857726	At1g28210	8	260	3	5	29
chr1	9859318	9859466	At1g28210	5	148	3	5	20

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	9875955	9876065	At1g28260	4	110	2	3	24
chr1	9881507	9881583	-	3	76	1	0	11
chr1	9897687	9897728	At1g28300	2	41	1	1	7
chr1	9933130	9933231	At1g28327	4	101	0	2	19
chr1	9942066	9942140	At1g28340	3	74	2	2	8
chr1	9969738	9969884	At1g28395	5	146	1	6	15
chr1	9974221	9974293	-	3	72	1	1	12
chr1	9977899	9978036	At1g28410	5	137	1	3	19
chr1	9982655	9982725	At1g28420	3	70	1	2	8
chr1	9989132	9989177	-	2	45	1	0	3
chr1	9992069	9992227	-	5	158	1	2	13
chr1	9997998	9998067	At1g28440	3	69	8	8	10
chr1	10005421	10005493	At1g28455	3	72	3	3	8
chr1	10012701	10012774	-	3	73	6	3	13
chr1	10015860	10016005	-	5	145	10	7	13
chr1	10017542	10017658	At1g28490	4	116	1	5	20
chr1	10028334	10028480	-	4	146	3	1	11
chr1	10032529	10032774	At1g28530	8	245	5	14	26
chr1	10037719	10037789	-	3	70	2	1	12
chr1	10041357	10041425	At1g28560	3	68	6	0	13
chr1	10046698	10046842	-	5	144	6	3	12
chr1	10057684	10057789	At1g28620	4	105	5	4	17
chr1	10057897	10058011	-	4	114	1	1	21
chr1	10064269	10064406	-	5	137	0	1	19
chr1	10071639	10071680	-	2	41	2	0	9
chr1	10083837	10083904	At1g28700	3	67	3	6	17
chr1	10085231	10085337	-	4	106	2	2	15
chr1	10088494	10088605	-	4	111	1	2	17
chr1	10100330	10100548	-	7	218	4	8	16
chr1	10101124	10101204	-	3	80	0	6	6
chr1	10107716	10107795	-	3	79	0	1	9
chr1	10109102	10109172	-	3	70	1	3	8
chr1	10114182	10114251	At1g29000	3	69	1	0	14
chr1	10115939	10116012	-	3	73	2	3	11
chr1	10121304	10121375	At1g29020	3	71	3	2	6
chr1	10124495	10124567	At1g29020	3	72	0	1	20
chr1	10132325	10132497	At1g29030	6	172	1	4	19
chr1	10134424	10134503	At1g29040	3	79	5	2	10
chr1	10135078	10135182	At1g29040	4	104	8	4	19
chr1	10140217	10140289	-	3	72	0	1	23
chr1	10163377	10163478	At1g29090	4	101	5	7	18
chr1	10165470	10165565	-	4	95	4	4	9
chr1	10169157	10169198	At1g29100	2	41	1	2	8
chr1	10174081	10174282	-	6	201	4	6	25
chr1	10177957	10178028	At1g29120	3	71	0	2	12
chr1	10178949	10179113	-	5	164	3	5	14
chr1	10181392	10181609	At1g29150	7	217	8	11	33
chr1	10186736	10186799	-	2	63	2	0	6
chr1	10194600	10194751	At1g29170	5	151	2	1	14
chr1	10201062	10201104	At1g29190	2	42	4	7	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	10218330	10218442	At1g29240	4	112	4	5	12
chr1	10230065	10230141	-	3	76	2	1	14
chr1	10237319	10237360	At1g29280	2	41	5	4	13
chr1	10240474	10240546	-	3	72	0	2	10
chr1	10240883	10240962	-	3	79	4	3	8
chr1	10249349	10249493	At1g29300	5	144	4	3	22
chr1	10250859	10251010	-	5	151	2	4	19
chr1	10256832	10256904	At1g29320	3	72	3	2	12
chr1	10263214	10263255	-	2	41	0	0	8
chr1	10275934	10276011	-	3	77	1	4	12
chr1	10277717	10277785	At1g29360	3	68	0	1	10
chr1	10280368	10280409	At1g29350	2	41	0	3	2
chr1	10287233	10287343	At1g29390	4	110	0	5	10
chr1	10311213	10311324	At1g29470	4	111	2	5	9
chr1	10312683	10312757	At1g29470	3	74	0	4	12
chr1	10315794	10315866	-	3	72	2	4	14
chr1	10317906	10318049	-	5	143	6	2	14
chr1	10318939	10319047	-	4	108	1	4	15
chr1	10320489	10320667	-	6	178	4	5	18
chr1	10320822	10320893	-	3	71	0	3	8
chr1	10321063	10321175	-	4	112	0	3	14
chr1	10336685	10336801	At1g29570	4	116	2	3	19
chr1	10341152	10341268	At1g29590	4	116	1	1	18
chr1	10342877	10342951	-	3	74	1	4	6
chr1	10344471	10344579	At1g29600	4	108	5	6	20
chr1	10350174	10350284	At1g29630	4	110	2	2	21
chr1	10353533	10353715	-	6	182	1	4	24
chr1	10354176	10354282	-	4	106	5	2	17
chr1	10373900	10373967	-	3	67	1	1	12
chr1	10377877	10378020	At1g29670	5	143	8	8	14
chr1	10379569	10379645	At1g29690	3	76	5	5	14
chr1	10380787	10380828	At1g29690	2	41	0	1	8
chr1	10386009	10386076	At1g29700	3	67	0	2	8
chr1	10394206	10394349	At1g29720	5	143	4	7	11
chr1	10400813	10400920	At1g29730	4	107	3	3	17
chr1	10401390	10401574	At1g29730	6	184	1	8	24
chr1	10402323	10402447	At1g29730	4	124	1	5	11
chr1	10404002	10404117	At1g29730	4	115	1	5	10
chr1	10406004	10406073	-	3	69	0	3	15
chr1	10416056	10416122	At1g29750	3	66	0	1	15
chr1	10427416	10427525	At1g29780	4	109	0	4	17
chr1	10429308	10429517	-	7	209	0	1	28
chr1	10431160	10431236	At1g29790	3	76	0	2	15
chr1	10440522	10440597	At1g29820	3	75	2	5	6
chr1	10446206	10446278	At1g29840	3	72	2	1	4
chr1	10449500	10449603	At1g29850	4	103	7	2	16
chr1	10464226	10464316	At1g29890	3	90	2	3	9
chr1	10471554	10471626	At1g29900	3	72	4	5	8
chr1	10471802	10471911	At1g29900	4	109	1	9	15
chr1	10472066	10472212	At1g29900	5	146	5	5	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	10473021	10473128	At1g29910	4	107	5	9	15
chr1	10489356	10489421	-	3	65	1	2	11
chr1	10517742	10517787	-	2	45	0	3	8
chr1	10521062	10521329	-	8	267	8	6	23
chr1	10528986	10529047	-	2	61	0	1	5
chr1	10540910	10541011	-	4	101	1	5	20
chr1	10550265	10550446	-	6	181	4	2	27
chr1	10552493	10552567	At1g30080	3	74	0	0	15
chr1	10564583	10564655	-	3	72	0	3	11
chr1	10572648	10572720	At1g30100	3	72	7	8	5
chr1	10573492	10573567	-	3	75	1	0	14
chr1	10582671	10582780	At1g30110	4	109	2	5	13
chr1	10583319	10583431	At1g30110	4	112	5	4	13
chr1	10589556	10589597	At1g30130	2	41	1	0	9
chr1	10612129	10612170	At1g30180	2	41	1	2	10
chr1	10643172	10643242	At1g30240	3	70	3	4	13
chr1	10646097	10646143	-	2	46	1	4	8
chr1	10659243	10659315	-	3	72	0	1	27
chr1	10667192	10667299	-	4	107	4	4	11
chr1	10679475	10679586	-	4	111	1	6	8
chr1	10686429	10686495	At1g30330	3	66	5	5	11
chr1	10689634	10689704	At1g30330	3	70	3	4	9
chr1	10690424	10690528	At1g30330	4	104	6	6	11
chr1	10717279	10717351	At1g30360	3	72	2	8	9
chr1	10736931	10737117	At1g30400	6	186	6	5	16
chr1	10741036	10741176	At1g30410	5	140	2	8	15
chr1	10741898	10742079	At1g30410	6	181	2	7	14
chr1	10744480	10744590	At1g30410	4	110	2	4	15
chr1	10756873	10756945	-	3	72	6	0	17
chr1	10763916	10764067	At1g30450	5	151	3	5	17
chr1	10765676	10765808	At1g30450	5	132	0	3	14
chr1	10781090	10781165	At1g30470	3	75	1	3	10
chr1	10783162	10783239	At1g30470	3	77	1	0	14
chr1	10786088	10786154	At1g30470	3	66	1	5	15
chr1	10788013	10788082	-	3	69	1	5	9
chr1	10788521	10788754	At1g30475	7	233	4	7	20
chr1	10806368	10806552	-	6	184	11	10	14
chr1	10808729	10808886	At1g30510	4	157	3	4	8
chr1	10816730	10816835	-	4	105	1	1	17
chr1	10818063	10818247	At1g30540	6	184	1	5	18
chr1	10819831	10819904	-	3	73	2	2	6
chr1	10820199	10820267	-	3	68	2	0	9
chr1	10828504	10828656	-	5	152	1	3	16
chr1	10829898	10829939	At1g30570	2	41	1	3	6
chr1	10836556	10836627	At1g30590	3	71	3	2	14
chr1	10839217	10839320	At1g30590	4	103	4	7	7
chr1	10847505	10847582	At1g30610	3	77	1	4	15
chr1	10849758	10849826	At1g30610	3	68	2	4	12
chr1	10851098	10851165	-	3	67	1	0	15
chr1	10879504	10879610	At1g30670	4	106	1	4	15

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	10898513	10898621	At1g30720	4	108	8	5	14
chr1	10928363	10928475	-	4	112	2	2	15
chr1	10928828	10928899	-	3	71	1	2	13
chr1	10929690	10929759	-	3	69	6	3	11
chr1	10933478	10933583	At1g30790	4	105	5	1	17
chr1	10934689	10934799	-	4	110	2	2	14
chr1	10938204	10938275	At1g30810	3	71	2	3	18
chr1	10942198	10942268	At1g30810	3	70	3	3	15
chr1	10946510	10946651	At1g30820	5	141	4	6	13
chr1	10980728	10980805	-	3	77	0	4	15
chr1	10988038	10988178	At1g30860	5	140	7	7	12
chr1	10989286	10989410	-	4	124	2	4	12
chr1	10995483	10995591	At1g30890	4	108	2	5	17
chr1	11007719	11007832	At1g30921	4	113	5	2	18
chr1	11015217	11015290	At1g30930	3	73	0	2	5
chr1	11017217	11017436	-	7	219	0	3	35
chr1	11018292	11018333	At1g30935	2	41	0	1	9
chr1	11022040	11022119	At1g30940	3	79	2	3	14
chr1	11024430	11024539	-	4	109	2	1	16
chr1	11040428	11040615	At1g30970	6	187	2	7	20
chr1	11042474	11042543	At1g30970	3	69	2	4	16
chr1	11086035	11086149	At1g31070	4	114	2	1	17
chr1	11086875	11086951	At1g31070	3	76	0	3	7
chr1	11099296	11099404	At1g31100	4	108	1	5	22
chr1	11105566	11105675	At1g31120	4	109	2	6	11
chr1	11114288	11114435	-	5	147	1	1	14
chr1	11122346	11122425	At1g31150	3	79	3	5	7
chr1	11125965	11126037	-	3	72	2	2	11
chr1	11137535	11137674	-	5	139	2	5	12
chr1	11141369	11141482	At1g31175	4	113	1	7	13
chr1	11144825	11144928	At1g31190	4	103	4	8	7
chr1	11147705	11147850	-	5	145	4	3	14
chr1	11149143	11149214	At1g31210	3	71	1	4	12
chr1	11163241	11163309	At1g31230	3	68	1	3	14
chr1	11173340	11173446	-	4	106	1	1	19
chr1	11188300	11188410	At1g31290	4	110	11	8	26
chr1	11199013	11199057	At1g31310	2	44	0	0	8
chr1	11210458	11210499	-	2	41	1	2	5
chr1	11213126	11213266	At1g31320	5	140	10	11	18
chr1	11215078	11215392	At1g31330	10	314	10	11	25
chr1	11217133	11217210	At1g31335	3	77	8	8	15
chr1	11221886	11221960	At1g31350	3	74	4	2	3
chr1	11225317	11225414	-	4	97	0	1	24
chr1	11240897	11241002	At1g31380	4	105	0	3	9
chr1	11246195	11246266	At1g31400	3	71	0	2	9
chr1	11261733	11261875	At1g31460	5	142	5	7	9
chr1	11266250	11266325	At1g31480	3	75	3	1	14
chr1	11274816	11274927	At1g31500	4	111	3	3	16
chr1	11287863	11287937	-	3	74	1	2	9
chr1	11291529	11291571	At1g31540	2	42	0	0	5

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	11295045	11295115	-	3	70	3	3	14
chr1	11302015	11302087	-	3	72	0	1	10
chr1	11302612	11302683	-	3	71	0	1	6
chr1	11311679	11311859	At1g31580	6	180	4	1	24
chr1	11321275	11321348	-	3	73	3	2	7
chr1	11321790	11321906	-	4	116	2	7	7
chr1	11322969	11323042	At1g31640	3	73	1	5	12
chr1	11327335	11327410	At1g31650	3	75	1	1	12
chr1	11330107	11330212	At1g31650	4	105	0	3	13
chr1	11352556	11352690	At1g31710	5	134	0	2	12
chr1	11356726	11356833	At1g31720	4	107	9	8	13
chr1	11361572	11361685	At1g31730	4	113	3	5	20
chr1	11378274	11378342	-	2	68	1	0	8
chr1	11392989	11393058	At1g31780	3	69	1	2	9
chr1	11398616	11398765	At1g31800	5	149	2	6	20
chr1	11416383	11416493	At1g31817	4	110	2	1	16
chr1	11416847	11416987	At1g31820	5	140	5	8	8
chr1	11417275	11417597	At1g31820	10	322	11	16	26
chr1	11424714	11424930	At1g31840	7	216	5	5	46
chr1	11445713	11445787	At1g31880	3	74	3	6	5
chr1	11495928	11496001	-	3	73	0	3	16
chr1	11535792	11535859	At1g32070	3	67	0	2	10
chr1	11539103	11539211	At1g32080	4	108	1	6	16
chr1	11564155	11564224	At1g32140	3	69	5	4	4
chr1	11572133	11572204	-	3	71	1	4	14
chr1	11577762	11577842	At1g32170	3	80	1	0	13
chr1	11595287	11595338	At1g32190	2	51	4	0	5
chr1	11604555	11604630	At1g32200	3	75	3	2	6
chr1	11617165	11617277	-	4	112	3	1	10
chr1	11624865	11624939	-	3	74	4	1	16
chr1	11626669	11626746	At1g32240	3	77	5	1	7
chr1	11634395	11634506	-	4	111	0	2	22
chr1	11636433	11636502	-	2	69	1	1	8
chr1	11652901	11652970	At1g32300	3	69	5	1	9
chr1	11653185	11653333	At1g32300	5	148	1	2	26
chr1	11668351	11668421	At1g32350	3	70	3	5	11
chr1	11680109	11680220	At1g32375	4	111	2	3	14
chr1	11683539	11683654	At1g32380	4	115	3	4	14
chr1	11688248	11688425	At1g32390	6	177	7	5	23
chr1	11693918	11693989	At1g32410	3	71	1	2	14
chr1	11695261	11695393	At1g32410	5	132	3	4	10
chr1	11698035	11698141	-	4	106	2	2	15
chr1	11714084	11714160	At1g32440	3	76	2	2	12
chr1	11733410	11733519	-	4	109	1	0	12
chr1	11739675	11739816	At1g32470	5	141	1	6	12
chr1	11741769	11741840	At1g32480	3	71	1	5	11
chr1	11743199	11743308	At1g32490	4	109	1	4	15
chr1	11744840	11745017	At1g32490	6	177	6	13	12
chr1	11745912	11745990	At1g32490	3	78	0	3	10
chr1	11755559	11755774	-	7	215	5	3	28

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	11771214	11771288	-	3	74	1	5	6
chr1	11772800	11772982	At1g32550	6	182	2	4	23
chr1	11774273	11774346	-	3	73	3	6	13
chr1	11777383	11777499	At1g32570	4	116	6	11	14
chr1	11777864	11777971	-	4	107	2	2	8
chr1	11780593	11780655	-	3	62	1	2	10
chr1	11780875	11781053	-	6	178	1	2	20
chr1	11786308	11786445	-	5	137	1	5	24
chr1	11795794	11795903	At1g32610	4	109	1	3	16
chr1	11798607	11798681	-	3	74	1	1	11
chr1	11809408	11809525	-	4	117	2	1	12
chr1	11829226	11829293	At1g32700	3	67	3	2	15
chr1	11839228	11839271	-	2	43	3	1	6
chr1	11852054	11852121	At1g32750	3	67	3	5	13
chr1	11871095	11871209	At1g32780	4	114	0	2	11
chr1	11875823	11875943	At1g32790	4	120	3	6	13
chr1	11900307	11900360	-	2	53	1	0	4
chr1	11903625	11903728	At1g32850	4	103	3	4	17
chr1	11906490	11906556	At1g32850	3	66	4	2	10
chr1	11907698	11907768	At1g32860	3	70	2	4	7
chr1	11916842	11916951	At1g32890	4	109	3	9	12
chr1	11918356	11918467	At1g32890	4	111	4	3	16
chr1	11923116	11923331	At1g32900	7	215	0	10	21
chr1	11924505	11924622	-	4	117	2	3	4
chr1	11926704	11926778	At1g32910	3	74	4	5	19
chr1	11932648	11932724	At1g32930	3	76	2	3	9
chr1	11949725	11949832	At1g32970	4	107	3	4	20
chr1	11955426	11955568	-	5	142	3	6	14
chr1	11962609	11962758	-	5	149	4	3	8
chr1	11965915	11966137	At1g33030	7	222	3	10	32
chr1	11971529	11971772	-	8	243	2	5	26
chr1	11975460	11975531	At1g33060	3	71	3	0	9
chr1	11977978	11978085	At1g33060	4	107	5	3	8
chr1	11991244	11991300	-	2	56	1	0	4
chr1	12034140	12034342	At1g33190	7	202	3	2	24
chr1	12045556	12045628	At1g33220	3	72	3	0	18
chr1	12048100	12048254	At1g33230	5	154	3	7	18
chr1	12049563	12049671	At1g33230	4	108	2	4	15
chr1	12085290	12085359	At1g33330	3	69	7	7	4
chr1	12087959	12088035	At1g33340	3	76	0	5	12
chr1	12090910	12090984	At1g33350	3	74	3	4	9
chr1	12124735	12124808	At1g33430	3	73	2	2	11
chr1	12133963	12134102	-	5	139	3	3	24
chr1	12146660	12146724	At1g33470	3	64	1	1	16
chr1	12147531	12147635	At1g33480	4	104	4	6	7
chr1	12149466	12149532	At1g33480	3	66	0	2	8
chr1	12163637	12163702	At1g33540	3	65	0	1	15
chr1	12169490	12169561	At1g33560	3	71	6	9	12
chr1	12174230	12174376	At1g33570	5	146	0	3	19
chr1	12177333	12177401	-	3	68	2	4	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	12177794	12178030	At1g33590	8	236	9	16	22
chr1	12187402	12187465	-	2	63	0	1	6
chr1	12198015	12198086	At1g33660	3	71	1	3	7
chr1	12200570	12200647	-	3	77	5	4	5
chr1	12201325	12201469	-	5	144	3	3	15
chr1	12214026	12214209	At1g33700	6	183	1	4	26
chr1	12219809	12219915	At1g33710	4	106	3	2	21
chr1	12226067	12226213	-	5	146	0	5	20
chr1	12227012	12227085	-	3	73	4	2	7
chr1	12234126	12234238	At1g33750	4	112	2	2	19
chr1	12244259	12244336	At1g33770	3	77	0	4	10
chr1	12255790	12255899	At1g33785	4	109	3	2	13
chr1	12258690	12258877	At1g33790	6	187	5	13	23
chr1	12304241	12304282	At1g33880	2	41	1	0	10
chr1	12305349	12305419	-	3	70	0	2	12
chr1	12309850	12309918	-	3	68	3	1	8
chr1	12311885	12311953	At1g33900	3	68	4	7	6
chr1	12317389	12317457	-	3	68	1	1	10
chr1	12337510	12337575	At1g33950	2	65	1	2	5
chr1	12341557	12341799	-	8	242	1	1	28
chr1	12348220	12348288	At1g33960	3	68	2	1	13
chr1	12354758	12354870	At1g33980	4	112	3	4	23
chr1	12358026	12358096	At1g33990	3	70	0	2	17
chr1	12359485	12359534	-	2	49	1	2	7
chr1	12370079	12370148	At1g34030	3	69	1	3	12
chr1	12371846	12371956	-	4	110	3	1	16
chr1	12385331	12385439	-	4	108	5	3	14
chr1	12387617	12387685	-	3	68	0	0	9
chr1	12390448	12390524	-	3	76	5	3	10
chr1	12416622	12416733	At1g34100	4	111	2	4	19
chr1	12420260	12420333	At1g34110	3	73	3	4	11
chr1	12428443	12428518	At1g34120	3	75	2	2	17
chr1	12430843	12430953	At1g34130	4	110	1	5	18
chr1	12432975	12433083	At1g34130	4	108	1	2	17
chr1	12439025	12439137	At1g34150	4	112	4	4	10
chr1	12443232	12443380	-	5	148	4	1	16
chr1	12450021	12450201	At1g34180	6	180	4	9	25
chr1	12458925	12459017	At1g34210	3	92	0	1	14
chr1	12464995	12465066	At1g34220	3	71	1	9	4
chr1	12479175	12479217	-	2	42	3	1	6
chr1	12488024	12488135	At1g34260	4	111	3	8	9
chr1	12517591	12517649	At1g34390	2	58	0	1	5
chr1	12540299	12540405	At1g34355	4	106	3	6	15
chr1	12540666	12540772	At1g34355	4	106	2	4	8
chr1	12541173	12541245	At1g34355	3	72	1	4	8
chr1	12544088	12544192	At1g34360	4	104	1	2	13
chr1	12573003	12573217	At1g34310	7	214	4	2	27
chr1	12584837	12584982	At1g34390	5	145	3	7	11
chr1	12585843	12585913	At1g34390	3	70	2	4	8
chr1	12595822	12595961	At1g34390	5	139	2	3	18

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	12600584	12600651	At1g34390	3	67	1	3	14
chr1	12600862	12600961	At1g34390	4	99	5	2	13
chr1	12613426	12613533	At1g34390	4	107	1	2	12
chr1	12618199	12618314	At1g34390	4	115	1	3	16
chr1	12635226	12635297	At1g34390	3	71	0	0	3
chr1	12640213	12640265	At1g34390	2	52	2	2	6
chr1	12641389	12641521	At1g34390	5	132	3	10	20
chr1	12654016	12654061	At1g34390	2	45	1	0	9
chr1	12698146	12698248	At1g34390	4	102	1	2	5
chr1	12749383	12749667	At1g34390	9	284	6	11	35
chr1	12752025	12752138	At1g34390	4	113	1	3	16
chr1	12843663	12843807	At1g34390	5	144	1	1	26
chr1	12871760	12871828	At1g34390	3	68	1	3	14
chr1	12880070	12880146	-	3	76	3	4	10
chr1	12880406	12880483	-	3	77	0	0	10
chr1	12888059	12888138	-	3	79	2	1	11
chr1	12893028	12893141	-	4	113	1	4	9
chr1	12912305	12912379	-	3	74	2	5	11
chr1	12921055	12921164	-	4	109	1	2	17
chr1	12934155	12934272	-	4	117	1	0	17
chr1	12941648	12941717	-	3	69	1	4	11
chr1	12960365	12960463	-	4	98	3	5	13
chr1	12971014	12971124	-	4	110	1	1	17
chr1	12975040	12975174	-	5	134	2	0	21
chr1	12978646	12978715	-	3	69	2	2	10
chr1	12996492	12996571	-	3	79	1	1	12
chr1	12998261	12998331	-	3	70	0	1	13
chr1	13004407	13004479	-	3	72	0	2	12
chr1	13018721	13018762	-	2	41	1	1	8
chr1	13051882	13051986	-	4	104	3	7	11
chr1	13057418	13057460	-	2	42	0	0	10
chr1	13057720	13057761	-	2	41	0	0	3
chr1	13070768	13070873	-	4	105	7	1	12
chr1	13072425	13072530	-	4	105	3	1	19
chr1	13072794	13072845	-	2	51	0	2	5
chr1	13073278	13073351	-	3	73	1	5	18
chr1	13099213	13099316	-	4	103	1	2	21
chr1	13099498	13099603	-	4	105	1	3	23
chr1	13109011	13109086	-	2	75	0	0	6
chr1	13158458	13158569	-	4	111	1	6	17
chr1	13172414	13172526	-	4	112	3	3	11
chr1	13193947	13194054	-	4	107	1	6	17
chr1	13207599	13207664	-	3	65	2	1	12
chr1	13210983	13211057	-	3	74	2	4	15
chr1	13215520	13215630	-	4	110	2	3	12
chr1	13216064	13216166	-	4	102	3	3	13
chr1	13222733	13222842	-	4	109	2	4	12
chr1	13226934	13227002	-	3	68	1	4	10
chr1	13250107	13250184	-	3	77	0	1	10
chr1	13278069	13278143	-	3	74	1	1	4

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	13298704	13298774	-	3	70	4	1	11
chr1	13315233	13315343	-	4	110	1	0	19
chr1	13318420	13318603	-	6	183	2	3	23
chr1	13340857	13340920	-	2	63	0	0	11
chr1	13342579	13342719	-	5	140	9	5	25
chr1	13345851	13345990	-	5	139	3	3	16
chr1	13354479	13354547	-	3	68	1	4	18
chr1	13363767	13363874	-	4	107	4	2	18
chr1	13372130	13372197	-	3	67	1	1	13
chr1	13376124	13376195	-	3	71	1	5	10
chr1	13385482	13385596	-	4	114	1	3	11
chr1	13391272	13391344	-	3	72	2	0	21
chr1	13410964	13411032	-	3	68	0	2	10
chr1	13420450	13420525	-	3	75	0	2	10
chr1	13432947	13433093	-	5	146	2	5	11
chr1	13434790	13434853	-	3	63	1	3	7
chr1	13438979	13439079	-	3	100	1	2	6
chr1	13446107	13446180	-	3	73	1	1	9
chr1	13451822	13451934	-	4	112	6	6	11
chr1	13453841	13453913	-	3	72	0	5	10
chr1	13468562	13468672	-	4	110	4	9	14
chr1	13470887	13470959	-	3	72	1	1	7
chr1	13498040	13498115	-	3	75	1	2	15
chr1	13517309	13517350	-	2	41	0	1	9
chr1	13540686	13540764	-	3	78	3	0	15
chr1	13554805	13554875	-	3	70	3	2	12
chr1	13559275	13559349	-	3	74	3	7	6
chr1	13563828	13563934	-	4	106	1	1	17
chr1	13575323	13575397	-	3	74	1	7	10
chr1	13578614	13578655	-	2	41	2	4	6
chr1	13595649	13595721	-	3	72	1	0	15
chr1	13609093	13609198	-	4	105	3	3	13
chr1	13619493	13619606	-	4	113	1	5	18
chr1	13621970	13622080	-	4	110	2	1	19
chr1	13627031	13627105	-	3	74	0	3	9
chr1	13630068	13630213	-	5	145	6	8	11
chr1	13643033	13643101	-	3	68	1	2	12
chr1	13682775	13682886	-	4	111	3	4	14
chr1	13690012	13690085	-	2	73	2	2	4
chr1	13696528	13696631	-	4	103	2	3	8
chr1	13699148	13699255	-	4	107	3	4	9
chr1	13724766	13724839	-	3	73	0	2	19
chr1	13734238	13734378	-	5	140	4	4	18
chr1	13740169	13740425	-	8	256	4	6	28
chr1	13759193	13759341	-	5	148	2	4	18
chr1	13795286	13795346	-	2	60	0	3	5
chr1	13808223	13808296	-	3	73	0	4	11
chr1	13813647	13813724	-	3	77	1	5	7
chr1	13847772	13847908	-	5	136	3	4	22
chr1	13850937	13851015	-	2	78	0	0	5

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	13869537	13869642	-	4	105	4	0	18
chr1	13881408	13881525	-	4	117	1	3	9
chr1	13884072	13884141	-	3	69	0	3	6
chr1	13905164	13905237	-	3	73	2	3	9
chr1	13916395	13916465	-	3	70	1	2	16
chr1	13924976	13925085	-	4	109	1	6	14
chr1	13925309	13925384	-	3	75	0	4	19
chr1	13928730	13928800	-	3	70	0	0	8
chr1	13966431	13966977	-	16	546	9	10	40
chr1	13979106	13979179	-	3	73	2	4	10
chr1	13980194	13980265	-	3	71	3	4	10
chr1	13986751	13986891	-	5	140	0	2	22
chr1	14027848	14028026	-	6	178	0	4	30
chr1	14053490	14053636	-	5	146	2	4	26
chr1	14078327	14078501	-	6	174	4	5	22
chr1	14079827	14079974	-	5	147	3	3	16
chr1	14084234	14084307	-	3	73	3	3	10
chr1	14116307	14116409	-	4	102	0	1	21
chr1	14134741	14135054	-	10	313	1	18	31
chr1	14150076	14150147	-	3	71	5	0	7
chr1	14165844	14165919	-	2	75	0	0	6
chr1	14178212	14178314	-	4	102	1	4	17
chr1	14213237	14213278	-	2	41	0	0	15
chr1	14223469	14223577	-	4	108	1	4	17
chr1	14228690	14228764	-	3	74	2	7	9
chr1	14244846	14244915	-	3	69	3	5	12
chr1	14248517	14248590	-	3	73	0	1	10
chr1	14260806	14260878	-	3	72	1	1	11
chr1	14292316	14292389	-	3	73	0	4	19
chr1	14390089	14390190	-	4	101	1	6	18
chr1	14443085	14443155	-	3	70	0	1	17
chr1	14508136	14508199	-	2	63	0	1	11
chr1	14508620	14508697	-	3	77	2	2	12
chr1	14857560	14857613	-	2	53	0	0	7
chr1	14921767	14921844	-	3	77	3	3	17
chr1	15013341	15013421	-	2	80	1	0	6
chr1	15072480	15072558	-	3	78	1	5	12
chr1	15082820	15082927	-	4	107	0	3	16
chr1	15156745	15156818	-	3	73	1	3	16
chr1	15157882	15157964	-	3	82	3	2	15
chr1	15208510	15208617	-	3	107	2	2	11
chr1	15213122	15213195	-	3	73	2	2	16
chr1	15245122	15245228	-	4	106	1	3	17
chr1	15271531	15271572	-	2	41	0	0	8
chr1	15500370	15500446	-	3	76	1	1	15
chr1	15513685	15513787	-	4	102	1	2	13
chr1	15516112	15516190	-	3	78	0	1	14
chr1	15584721	15584778	-	2	57	0	1	14
chr1	15594597	15594703	-	4	106	0	2	21
chr1	15600936	15600980	-	2	44	1	2	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	15607610	15607657	-	2	47	0	0	8
chr1	15616384	15616501	-	4	117	1	1	16
chr1	15626058	15626160	-	4	102	4	2	20
chr1	15640005	15640063	-	2	58	0	0	9
chr1	15641068	15641137	-	3	69	3	3	6
chr1	15644456	15644527	-	3	71	1	0	6
chr1	15659877	15659920	-	2	43	0	0	10
chr1	15661888	15661959	-	3	71	0	3	8
chr1	15681616	15681693	-	3	77	0	4	14
chr1	15682057	15682129	-	3	72	0	5	8
chr1	15686400	15686543	-	5	143	1	4	10
chr1	15690841	15690909	-	3	68	2	2	8
chr1	15730241	15730344	-	4	103	0	0	16
chr1	15738326	15738397	-	2	71	0	2	6
chr1	15753032	15753217	-	6	185	1	3	28
chr1	15774048	15774268	-	7	220	0	2	27
chr1	15789904	15790012	-	4	108	2	2	22
chr1	15790453	15790529	-	3	76	0	1	14
chr1	15792293	15792401	-	4	108	2	5	5
chr1	15854343	15854455	-	4	112	0	2	16
chr1	15858524	15858596	-	3	72	1	2	9
chr1	15882827	15882898	-	3	71	2	5	9
chr1	15899457	15899532	-	3	75	0	4	8
chr1	15901091	15901161	-	3	70	4	2	9
chr1	15906765	15906827	-	3	62	2	2	10
chr1	15909318	15909428	-	4	110	1	4	9
chr1	15927492	15927672	-	6	180	6	4	21
chr1	15941585	15941659	-	3	74	0	2	18
chr1	15998164	15998241	-	3	77	0	1	7
chr1	16000909	16000977	-	3	68	1	2	19
chr1	16030856	16030897	-	2	41	0	1	4
chr1	16047854	16047968	-	4	114	0	6	8
chr1	16064093	16064242	-	5	149	2	4	27
chr1	16064944	16065016	-	3	72	1	1	7
chr1	16081636	16081704	-	3	68	1	1	12
chr1	16082786	16082855	-	3	69	1	3	5
chr1	16085727	16085793	-	3	66	0	2	14
chr1	16102844	16102960	-	4	116	1	1	13
chr1	16103392	16103448	-	2	56	0	3	7
chr1	16111639	16111775	-	5	136	1	2	16
chr1	16129272	16129388	-	4	116	2	1	16
chr1	16153678	16153859	-	6	181	8	12	9
chr1	16158460	16158540	-	3	80	1	5	10
chr1	16158651	16158948	-	9	297	1	6	39
chr1	16177714	16177789	-	3	75	0	1	17
chr1	16181332	16181400	-	3	68	1	1	14
chr1	16193119	16193193	-	3	74	1	1	10
chr1	16196296	16196373	-	3	77	1	2	11
chr1	16202649	16202718	-	3	69	0	1	16
chr1	16207253	16207296	-	2	43	0	2	5

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	16218829	16218870	-	2	41	0	0	4
chr1	16250173	16250238	-	3	65	3	4	15
chr1	16258438	16258546	-	4	108	0	1	17
chr1	16271576	16271649	-	3	73	1	2	10
chr1	16276200	16276348	-	5	148	0	0	25
chr1	16341666	16341774	-	4	108	4	2	10
chr1	16391983	16392130	-	5	147	0	4	36
chr1	16402636	16402702	-	3	66	4	5	4
chr1	16404436	16404546	-	4	110	4	4	10
chr1	16405917	16405994	-	3	77	0	1	15
chr1	16411086	16411159	-	3	73	0	1	8
chr1	16413286	16413393	-	4	107	5	7	7
chr1	16416314	16416383	-	3	69	1	1	13
chr1	16417489	16417565	-	3	76	4	2	2
chr1	16428066	16428137	-	3	71	2	2	8
chr1	16436807	16436874	-	3	67	1	1	17
chr1	16440663	16440807	-	5	144	5	6	11
chr1	16441968	16442043	-	3	75	3	3	2
chr1	16465749	16465840	-	3	91	0	2	4
chr1	16486574	16486702	-	4	128	3	4	11
chr1	16510734	16510791	-	2	57	1	1	7
chr1	16511835	16511905	-	3	70	2	6	8
chr1	16539816	16539945	-	4	129	0	2	16
chr1	16548758	16548894	-	5	136	2	2	20
chr1	16552216	16552289	-	3	73	2	2	20
chr1	16563571	16563645	-	3	74	1	3	2
chr1	16567380	16567455	-	3	75	0	2	15
chr1	16573831	16573939	-	4	108	3	5	11
chr1	16575654	16575764	-	4	110	2	4	8
chr1	16576236	16576342	-	4	106	2	5	11
chr1	16578240	16578354	-	4	114	0	2	10
chr1	16583165	16583235	-	3	70	3	4	15
chr1	16625246	16625319	At1g43860	3	73	1	3	13
chr1	16644487	16644560	At1g43886	3	73	2	3	8
chr1	16646890	16646966	At1g43886	3	76	4	4	14
chr1	16647707	16647812	-	4	105	1	2	24
chr1	16651982	16652133	At1g43895	5	151	2	0	20
chr1	16657820	16657924	At1g43900	4	104	2	4	19
chr1	16675417	16675467	At1g43950	2	50	1	2	5
chr1	16691614	16691759	At1g43980	5	145	7	4	17
chr1	16704115	16704162	-	2	47	0	0	1
chr1	16740087	16740159	-	3	72	1	2	7
chr1	16741691	16741762	-	3	71	1	1	14
chr1	16754239	16754345	-	4	106	3	2	17
chr1	16761385	16761628	-	8	243	1	4	38
chr1	16767074	16767213	At1g44100	5	139	4	8	15
chr1	16769039	16769188	At1g44100	5	149	3	8	8
chr1	16779138	16779207	At1g44110	3	69	2	2	8
chr1	16787463	16787578	At1g44120	4	115	5	4	13
chr1	16790303	16790412	At1g44130	4	109	1	4	19

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	16800904	16800953	At1g44170	2	49	0	0	2
chr1	16816981	16817051	-	3	70	3	6	11
chr1	16820074	16820191	-	4	117	2	0	18
chr1	16874964	16875005	At1g44575	2	41	0	2	6
chr1	16886378	16886447	-	3	69	0	1	12
chr1	16893680	16893752	-	3	72	0	4	3
chr1	16896719	16896792	At1g44750	3	73	6	6	6
chr1	16904858	16904917	-	2	59	0	0	9
chr1	16912748	16912826	At1g44780	3	78	3	5	14
chr1	16920547	16920730	-	6	183	6	1	20
chr1	16957979	16958129	-	5	150	1	4	21
chr1	16959049	16959122	-	3	73	1	1	16
chr1	16978538	16978679	At1g44910	5	141	2	2	26
chr1	16997776	16997850	-	3	74	4	4	8
chr1	17005465	17005579	At1g44970	3	114	0	2	14
chr1	17024157	17024212	At1g45015	2	55	4	3	7
chr1	17029450	17029571	At1g45020	4	121	0	3	18
chr1	17034470	17034577	At1g45050	4	107	1	3	16
chr1	17036944	17037049	-	4	105	5	6	18
chr1	17069524	17069599	At1g45130	3	75	4	3	10
chr1	17086803	17086873	At1g45160	3	70	1	1	11
chr1	17087483	17087662	At1g45160	6	179	1	9	15
chr1	17090616	17090687	At1g45160	3	71	1	2	8
chr1	17117946	17118010	-	3	64	0	0	8
chr1	17119197	17119310	At1g45191	4	113	1	2	17
chr1	17147934	17148085	-	5	151	3	6	10
chr1	17156015	17156092	At1g45233	3	77	0	2	19
chr1	17157173	17157249	At1g45233	3	76	0	1	18
chr1	17172893	17173001	At1g45230	4	108	2	4	6
chr1	17188441	17188513	At1g45616	3	72	1	2	17
chr1	17188703	17188844	At1g45616	5	141	5	2	18
chr1	17194887	17194952	At1g45688	3	65	2	2	11
chr1	17196907	17196976	At1g45760	3	69	0	3	12
chr1	17239327	17239483	-	5	156	1	4	16
chr1	17252006	17252079	At1g46552	3	73	0	3	14
chr1	17269412	17269515	-	4	103	1	2	14
chr1	17273432	17273505	At1g46840	3	73	1	0	20
chr1	17290962	17291033	-	3	71	3	3	13
chr1	17299034	17299100	-	3	66	2	2	10
chr1	17299585	17299689	-	4	104	1	5	16
chr1	17303898	17304036	At1g47210	5	138	0	6	24
chr1	17306822	17306897	At1g47220	3	75	1	0	16
chr1	17322255	17322326	At1g47250	3	71	2	4	12
chr1	17325336	17325484	At1g47260	5	148	6	3	13
chr1	17337303	17337408	-	4	105	1	2	12
chr1	17337660	17337732	-	3	72	2	1	10
chr1	17341694	17341767	At1g47290	3	73	1	5	8
chr1	17345706	17345786	At1g47310	3	80	3	2	14
chr1	17351165	17351229	-	3	64	1	0	13
chr1	17352026	17352105	At1g47320	3	79	1	3	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	17354465	17354573	At1g47330	4	108	1	4	26
chr1	17362090	17362263	At1g47350	5	173	6	3	21
chr1	17373328	17373435	-	4	107	3	4	11
chr1	17402426	17402567	At1g47435	5	141	3	7	23
chr1	17418868	17418909	-	2	41	2	2	8
chr1	17432751	17432822	-	3	71	0	3	3
chr1	17438214	17438311	At1g47510	4	97	1	2	19
chr1	17446695	17446767	At1g47520	3	72	1	4	8
chr1	17448311	17448383	At1g47520	3	72	0	2	14
chr1	17458611	17458730	-	4	119	2	3	12
chr1	17464942	17465012	At1g47550	3	70	0	1	14
chr1	17484616	17484684	At1g47570	3	68	3	6	11
chr1	17487172	17487285	-	4	113	1	4	14
chr1	17495665	17495885	At1g47600	7	220	7	6	28
chr1	17528331	17528440	At1g47655	4	109	4	3	35
chr1	17541629	17541742	At1g47670	4	113	3	1	20
chr1	17581667	17581741	-	3	74	1	0	13
chr1	17582885	17582927	-	2	42	3	2	12
chr1	17584117	17584190	-	3	73	0	1	9
chr1	17590816	17590928	-	4	112	2	4	10
chr1	17606567	17606672	At1g47810	4	105	1	4	16
chr1	17630270	17630405	At1g47860	5	135	9	8	10
chr1	17652830	17652944	At1g47900	4	114	2	5	7
chr1	17653751	17653854	At1g47900	4	103	3	8	7
chr1	17661582	17661730	At1g47910	5	148	1	2	27
chr1	17672055	17672165	At1g47940	4	110	2	6	14
chr1	17684876	17684953	At1g47950	2	77	0	2	12
chr1	17698615	17698725	-	4	110	2	2	16
chr1	17747154	17747233	At1g48090	3	79	0	3	13
chr1	17748486	17748552	At1g48090	3	66	4	1	7
chr1	17758080	17758222	At1g48090	5	142	1	5	19
chr1	17763407	17763450	-	2	43	0	0	6
chr1	17770170	17770246	-	3	76	0	3	6
chr1	17776734	17776805	At1g48110	3	71	4	3	8
chr1	17786189	17786263	At1g48140	3	74	3	5	10
chr1	17788300	17788377	At1g48145	3	77	0	5	6
chr1	17788740	17789032	-	9	292	4	7	28
chr1	17802046	17802118	-	3	72	2	1	9
chr1	17838989	17839099	At1g48280	4	110	10	13	12
chr1	17860695	17860769	-	3	74	1	0	7
chr1	17864837	17864906	-	3	69	4	1	7
chr1	17865820	17865971	-	5	151	6	3	24
chr1	17876446	17876627	At1g48360	6	181	1	7	27
chr1	17895293	17895368	At1g48410	3	75	1	1	16
chr1	17898067	17898114	-	2	47	1	0	11
chr1	17900701	17900773	At1g48420	3	72	2	3	12
chr1	17914626	17914693	-	3	67	2	4	3
chr1	17920647	17920692	-	2	45	1	0	4
chr1	17926915	17926958	At1g48490	2	43	1	1	7
chr1	17928082	17928190	At1g48490	4	108	5	5	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	17945068	17945208	At1g48520	5	140	0	5	19
chr1	17945780	17945920	At1g48520	5	140	1	5	19
chr1	17950283	17950399	At1g48540	4	116	3	3	17
chr1	17955275	17955349	At1g48550	3	74	3	6	13
chr1	17957122	17957235	At1g48560	4	113	1	3	16
chr1	17961111	17961254	At1g48570	5	143	10	7	23
chr1	17973645	17973784	At1g48605	5	139	1	5	11
chr1	17973894	17973962	-	3	68	5	4	11
chr1	17986291	17986436	At1g48630	5	145	1	7	16
chr1	17989061	17989207	At1g48635	5	146	1	5	22
chr1	17990145	17990358	At1g48640	7	213	8	4	28
chr1	17994300	17994409	At1g48650	4	109	3	2	19
chr1	18004483	18004592	At1g48670	4	109	2	3	11
chr1	18028575	18028831	At1g48740	8	256	8	13	27
chr1	18041737	18041888	At1g48760	5	151	3	4	18
chr1	18047729	18047801	At1g48790	3	72	6	4	3
chr1	18057830	18057942	At1g48810	4	112	1	5	12
chr1	18062791	18062897	At1g48820	4	106	2	4	17
chr1	18065817	18065892	At1g48840	3	75	1	2	11
chr1	18069437	18069504	At1g48850	3	67	2	4	12
chr1	18071721	18071831	At1g48850	4	110	3	1	16
chr1	18086901	18086976	At1g48890	3	75	4	3	14
chr1	18104310	18104448	At1g48920	5	138	1	3	24
chr1	18109793	18109860	At1g48940	3	67	2	2	4
chr1	18113895	18113967	At1g48950	3	72	1	1	13
chr1	18116554	18116627	At1g48960	3	73	2	2	17
chr1	18119972	18120044	At1g48970	3	72	3	4	13
chr1	18126393	18126436	-	2	43	0	1	8
chr1	18132980	18133026	-	2	46	1	0	14
chr1	18136034	18136109	-	3	75	2	2	7
chr1	18138528	18138600	At1g49015	3	72	2	6	12
chr1	18143782	18143892	At1g49040	4	110	1	8	11
chr1	18148750	18148823	At1g49040	3	73	3	8	8
chr1	18154922	18155031	At1g49050	4	109	1	4	18
chr1	18158050	18158124	At1g49060	3	74	1	5	12
chr1	18165606	18165683	-	3	77	1	2	10
chr1	18172171	18172244	At1g49100	3	73	0	3	12
chr1	18179358	18179512	At1g49130	5	154	3	5	17
chr1	18183723	18183790	At1g49160	3	67	3	2	6
chr1	18201821	18201972	-	5	151	0	3	17
chr1	18217031	18217135	-	4	104	1	1	17
chr1	18224593	18224739	At1g49250	5	146	1	4	27
chr1	18225552	18225661	At1g49250	4	109	2	6	15
chr1	18227726	18227872	At1g49250	5	146	2	8	15
chr1	18231348	18231423	At1g49270	3	75	3	2	8
chr1	18241435	18241551	-	4	116	0	3	6
chr1	18256897	18257009	At1g49340	4	112	0	4	20
chr1	18260316	18260389	At1g49340	3	73	0	0	18
chr1	18290574	18290719	-	5	145	7	5	22
chr1	18297622	18297693	At1g49430	3	71	3	3	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	18313270	18313386	-	4	116	2	1	15
chr1	18335491	18335732	At1g49520	8	241	4	5	28
chr1	18336959	18337072	At1g49530	4	113	5	5	21
chr1	18338141	18338254	At1g49540	4	113	1	6	14
chr1	18348224	18348291	-	2	67	2	2	4
chr1	18357847	18358006	At1g49580	5	159	1	6	16
chr1	18360161	18360301	At1g49590	5	140	1	7	16
chr1	18362032	18362107	At1g49600	3	75	0	4	14
chr1	18362577	18362648	At1g49600	3	71	0	2	11
chr1	18366644	18366750	At1g49610	4	106	6	2	17
chr1	18373921	18374013	At1g49630	3	92	1	1	8
chr1	18374777	18374847	At1g49630	3	70	2	1	13
chr1	18377044	18377151	At1g49630	4	107	1	3	13
chr1	18377619	18377763	At1g49630	5	144	2	5	24
chr1	18379116	18379189	-	3	73	6	6	9
chr1	18379685	18379755	At1g49640	3	70	6	4	6
chr1	18386168	18386277	At1g49670	4	109	1	3	12
chr1	18394971	18395071	-	4	100	1	0	9
chr1	18396662	18396703	At1g49710	2	41	1	1	3
chr1	18410617	18410729	-	4	112	1	2	19
chr1	18422624	18422691	At1g49760	3	67	2	7	11
chr1	18437019	18437068	-	2	49	2	2	8
chr1	18440295	18440372	At1g49790	3	77	4	3	5
chr1	18445786	18445860	At1g49810	3	74	4	1	7
chr1	18451635	18451737	-	4	102	2	3	21
chr1	18464267	18464339	At1g49870	3	72	2	2	13
chr1	18465254	18465357	At1g49870	4	103	2	7	14
chr1	18469331	18469490	At1g49880	5	159	3	3	28
chr1	18480831	18480968	At1g49900	5	137	8	10	14
chr1	18498531	18498649	At1g49950	4	118	2	6	11
chr1	18504251	18504368	At1g49960	4	117	7	6	18
chr1	18507719	18507796	At1g49970	3	77	1	1	12
chr1	18523086	18523196	At1g50010	4	110	0	9	17
chr1	18540016	18540131	At1g50030	4	115	3	3	14
chr1	18546484	18546590	At1g50040	4	106	3	9	11
chr1	18552638	18552779	At1g50050	5	141	3	2	21
chr1	18563300	18563402	At1g50110	4	102	1	4	9
chr1	18568005	18568106	At1g50120	4	101	4	2	12
chr1	18569368	18569476	At1g50120	4	108	3	4	14
chr1	18607554	18607635	At1g50220	3	81	0	2	13
chr1	18633433	18633594	At1g50300	5	161	2	1	19
chr1	18634527	18634637	At1g50300	4	110	5	12	8
chr1	18639988	18640060	At1g50310	3	72	6	4	4
chr1	18643102	18643214	At1g50320	4	112	4	4	17
chr1	18659756	18659827	At1g50360	3	71	2	5	13
chr1	18660629	18660701	At1g50360	3	72	1	3	22
chr1	18676160	18676303	At1g50410	5	143	4	3	17
chr1	18678131	18678201	At1g50410	3	70	0	2	20
chr1	18680055	18680131	At1g50410	3	76	3	3	14
chr1	18683220	18683326	At1g50420	4	106	0	3	19

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	18696941	18696988	-	2	47	0	1	2
chr1	18706342	18706414	At1g50480	3	72	0	1	20
chr1	18707449	18707557	At1g50480	4	108	3	7	23
chr1	18708178	18708257	At1g50480	3	79	0	1	19
chr1	18715059	18715137	At1g50500	3	78	3	3	4
chr1	18718271	18718344	At1g50500	3	73	3	4	10
chr1	18725199	18725270	At1g50530	3	71	2	3	8
chr1	18735370	18735507	At1g50580	5	137	5	2	23
chr1	18739501	18739542	-	2	41	1	3	10
chr1	18753529	18753831	At1g50620	9	302	4	9	32
chr1	18758452	18758525	-	3	73	3	1	10
chr1	18760661	18760801	-	5	140	1	4	8
chr1	18784319	18784395	-	3	76	2	0	11
chr1	18786656	18786723	At1g50700	3	67	2	3	17
chr1	18803120	18803233	At1g50730	4	113	1	4	17
chr1	18803903	18804009	At1g50730	4	106	1	6	12
chr1	18817486	18817556	-	3	70	0	2	5
chr1	18822193	18822334	-	5	141	2	4	13
chr1	18822923	18823182	At1g50770	8	259	1	9	25
chr1	18825443	18825588	At1g50780	5	145	1	3	24
chr1	18826672	18826744	At1g48150	3	72	3	1	11
chr1	18834590	18834810	At1g35115	7	220	3	3	41
chr1	18837114	18837190	At1g50820	3	76	0	3	8
chr1	18849944	18850011	-	3	67	0	1	9
chr1	18855217	18855295	-	3	78	1	1	6
chr1	18863609	18863731	-	4	122	2	1	11
chr1	18870579	18870655	At1g50900	3	76	6	7	10
chr1	18885464	18885542	At1g50950	3	78	1	1	17
chr1	18887282	18887421	At1g50950	5	139	4	4	11
chr1	18888099	18888175	-	3	76	3	4	13
chr1	18889758	18889901	-	5	143	1	3	10
chr1	18895138	18895209	At1g50960	3	71	2	1	15
chr1	18902347	18902413	At1g50970	3	66	2	3	19
chr1	18907582	18907659	At1g50990	3	77	3	2	6
chr1	18929869	18929947	At1g51055	3	78	0	4	6
chr1	18943719	18943870	At1g51130	5	151	2	5	12
chr1	18944545	18944656	At1g51130	4	111	3	7	11
chr1	18944956	18945070	At1g51130	4	114	2	5	18
chr1	18978102	18978248	-	5	146	3	5	17
chr1	18985789	18985898	-	4	109	0	0	16
chr1	19008126	19008279	At1g51260	5	153	3	3	16
chr1	19013027	19013096	At1g51270	3	69	0	3	15
chr1	19014685	19014752	-	3	67	1	1	9
chr1	19022412	19022485	-	3	73	2	5	6
chr1	19024865	19024942	At1g51310	3	77	1	5	10
chr1	19025799	19025840	-	2	41	0	0	3
chr1	19052561	19052670	At1g51380	4	109	3	7	16
chr1	19054549	19054624	At1g51390	3	75	3	1	6
chr1	19056127	19056196	At1g51400	3	69	3	2	17
chr1	19062090	19062196	At1g51405	4	106	0	2	22

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	19068784	19068894	At1g51420	4	110	1	5	12
chr1	19075134	19075242	At1g51440	4	108	6	4	9
chr1	19076371	19076444	-	3	73	1	1	11
chr1	19096793	19096866	At1g51480	3	73	0	3	8
chr1	19097011	19097150	At1g51480	5	139	4	6	19
chr1	19100699	19100812	At1g51490	4	113	2	3	11
chr1	19105124	19105191	-	3	67	1	1	10
chr1	19114242	19114311	At1g51530	3	69	1	1	17
chr1	19115515	19115582	At1g51530	3	67	1	3	12
chr1	19123503	19123567	At1g51560	3	64	1	1	14
chr1	19126518	19126591	At1g51570	3	73	5	5	8
chr1	19130062	19130172	At1g51580	4	110	4	7	15
chr1	19140616	19140687	At1g51610	3	71	1	1	13
chr1	19141034	19141146	At1g51610	4	112	1	2	22
chr1	19144020	19144131	At1g51620	4	111	4	3	15
chr1	19153877	19153949	At1g51640	3	72	2	2	16
chr1	19162079	19162151	At1g51670	3	72	2	3	17
chr1	19198274	19198315	-	2	41	0	1	10
chr1	19205512	19205617	-	4	105	1	0	26
chr1	19217645	19217792	-	5	147	2	3	7
chr1	19222698	19222803	-	4	105	1	2	16
chr1	19230490	19230591	-	4	101	1	2	17
chr1	19252882	19252959	-	2	77	0	0	5
chr1	19256562	19256637	At1g51850	3	75	4	2	9
chr1	19268977	19269119	At1g51870	5	142	3	7	13
chr1	19280962	19281070	At1g51890	4	108	0	5	22
chr1	19300097	19300205	At1g51940	4	108	0	2	17
chr1	19311003	19311080	At1g51950	3	77	0	0	15
chr1	19331923	19332012	-	3	89	1	3	7
chr1	19335668	19335772	At1g51990	4	104	5	1	18
chr1	19361889	19361999	-	4	110	4	3	12
chr1	19391081	19391156	At1g52110	3	75	0	2	11
chr1	19391623	19391806	At1g52110	6	183	4	6	18
chr1	19404288	19404361	At1g52130	3	73	3	3	9
chr1	19408734	19408775	-	2	41	1	3	3
chr1	19417277	19417386	At1g52150	4	109	1	4	11
chr1	19429734	19429806	-	3	72	0	1	3
chr1	19440995	19441064	At1g52190	3	69	0	2	12
chr1	19444442	19444551	-	4	109	3	0	10
chr1	19446988	19447043	At1g52200	2	55	4	5	5
chr1	19448012	19448129	-	4	117	0	1	9
chr1	19449965	19450147	At1g52210	6	182	6	6	26
chr1	19452240	19452377	At1g52210	5	137	8	5	18
chr1	19455128	19455182	-	2	54	2	0	8
chr1	19456219	19456332	-	4	113	2	2	8
chr1	19460679	19460787	At1g52240	4	108	3	2	21
chr1	19472110	19472175	At1g52280	3	65	0	2	8
chr1	19475340	19475563	At1g52290	7	223	1	3	24
chr1	19477467	19477519	-	2	52	2	0	8
chr1	19479574	19479640	At1g52300	3	66	5	6	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	19482338	19482450	At1g52310	4	112	1	4	16
chr1	19490144	19490289	At1g52320	5	145	6	6	16
chr1	19499162	19499270	-	4	108	3	3	20
chr1	19504276	19504670	At1g52360	12	394	7	15	41
chr1	19509477	19509620	-	5	143	2	5	25
chr1	19514398	19514651	At1g52380	8	253	7	11	43
chr1	19515231	19515383	-	5	152	3	5	23
chr1	19518533	19518584	-	2	51	1	1	3
chr1	19533830	19533936	At1g52420	4	106	1	2	19
chr1	19537025	19537101	At1g52430	3	76	0	5	7
chr1	19544090	19544160	At1g52440	3	70	1	3	17
chr1	19548273	19548350	At1g52430	3	77	1	0	8
chr1	19556204	19556247	-	2	43	0	1	5
chr1	19560918	19560998	-	3	80	0	0	4
chr1	19565480	19565656	At1g52500	5	176	1	3	26
chr1	19565795	19565871	At1g52500	3	76	0	3	11
chr1	19567434	19567505	At1g52510	3	71	1	2	12
chr1	19569658	19569730	At1g52520	3	72	2	1	11
chr1	19573591	19573667	At1g52530	3	76	2	7	8
chr1	19574841	19574910	At1g52540	3	69	3	4	4
chr1	19579190	19579301	At1g52560	4	111	6	9	12
chr1	19579833	19579906	-	3	73	1	0	10
chr1	19582300	19582372	-	3	72	4	2	13
chr1	19589542	19589618	At1g52570	3	76	1	5	11
chr1	19608735	19608839	At1g52620	4	104	3	6	16
chr1	19608951	19609173	At1g52620	7	222	3	7	30
chr1	19610800	19610899	At1g52630	4	99	4	6	15
chr1	19618382	19618483	-	4	101	1	7	14
chr1	19646535	19646642	At1g52730	4	107	1	3	20
chr1	19648529	19648637	At1g52730	4	108	3	4	16
chr1	19657998	19658071	-	3	73	0	1	10
chr1	19660778	19660921	At1g52770	5	143	6	6	20
chr1	19662887	19662964	At1g52780	3	77	4	1	8
chr1	19663712	19663781	At1g52780	3	69	4	7	15
chr1	19667834	19667905	At1g52800	3	71	6	9	10
chr1	19718028	19718100	-	3	72	1	2	12
chr1	19727861	19727938	-	3	77	3	2	14
chr1	19734028	19734136	-	4	108	8	4	9
chr1	19749278	19749387	At1g53000	4	109	0	4	14
chr1	19751673	19751745	At1g53010	3	72	5	1	7
chr1	19752622	19752690	-	3	68	0	1	15
chr1	19763056	19763181	At1g53020	4	125	5	4	11
chr1	19779041	19779113	At1g53050	3	72	4	3	11
chr1	19790956	19791060	At1g53100	4	104	5	6	19
chr1	19796828	19796894	At1g53120	3	66	1	1	15
chr1	19803022	19803129	At1g53140	4	107	5	7	14
chr1	19805317	19805386	At1g53140	3	69	1	2	10
chr1	19805495	19805559	At1g53140	3	64	1	5	12
chr1	19810207	19810277	At1g53160	3	70	1	0	26
chr1	19810738	19810842	At1g53160	4	104	1	3	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	19814863	19814940	-	3	77	2	3	15
chr1	19824668	19824737	-	3	69	4	3	8
chr1	19842793	19842865	At1g53190	3	72	3	6	6
chr1	19859580	19859719	At1g53240	5	139	1	5	15
chr1	19863046	19863121	-	3	75	1	3	15
chr1	19864451	19864562	At1g53260	4	111	8	2	24
chr1	19870091	19870167	At1g53280	3	76	1	3	10
chr1	19877681	19877861	-	6	180	6	5	26
chr1	19880833	19880933	-	4	100	4	3	8
chr1	19889169	19889246	At1g53310	3	77	3	9	2
chr1	19898026	19898143	-	4	117	2	1	18
chr1	19904421	19904523	At1g53340	4	102	5	7	15
chr1	19911536	19911746	At1g53360	7	210	6	4	30
chr1	19914310	19914378	At1g53370	3	68	3	4	8
chr1	19916474	19916546	-	3	72	1	3	16
chr1	19917111	19917186	At1g53380	3	75	6	9	4
chr1	19918996	19919068	At1g53380	3	72	0	2	6
chr1	19925173	19925354	At1g53390	6	181	1	7	30
chr1	19940590	19940731	At1g53430	5	141	1	3	17
chr1	19947213	19947283	-	2	70	1	0	7
chr1	19955446	19955522	At1g53450	3	76	2	3	14
chr1	19956241	19956352	At1g53450	4	111	1	3	18
chr1	19964908	19965095	At1g53470	6	187	3	3	29
chr1	19983647	19983719	At1g53530	3	72	2	3	12
chr1	19988217	19988327	At1g53550	4	110	1	0	11
chr1	19989380	19989490	At1g53560	4	110	6	9	20
chr1	19994614	19994730	At1g53570	4	116	0	2	20
chr1	20003258	20003366	At1g53590	4	108	1	6	19
chr1	20017220	20017292	-	3	72	3	1	14
chr1	20024716	20024786	At1g53640	3	70	3	1	16
chr1	20038411	20038484	At1g53660	3	73	1	2	18
chr1	20043575	20043647	-	3	72	2	2	8
chr1	20054638	20054737	At1g53705	4	99	1	6	12
chr1	20064497	20064570	-	3	73	1	0	8
chr1	20064937	20064988	-	2	51	0	0	6
chr1	20071154	20071303	At1g53750	5	149	5	3	14
chr1	20071419	20071535	At1g53750	4	116	2	1	16
chr1	20081571	20081714	At1g53785	5	143	5	3	21
chr1	20085744	20085813	At1g53800	3	69	2	1	14
chr1	20091189	20091330	At1g53810	5	141	1	4	14
chr1	20102659	20102772	At1g53830	4	113	4	6	13
chr1	20104090	20104266	At1g53830	6	176	11	9	34
chr1	20112764	20112876	At1g53860	4	112	0	3	15
chr1	20139809	20139949	At1g53910	5	140	1	8	20
chr1	20142011	20142152	At1g53920	5	141	1	0	23
chr1	20160324	20160418	-	3	94	2	1	4
chr1	20183018	20183136	-	4	118	3	1	15
chr1	20186338	20186409	At1g54070	3	71	5	6	13
chr1	20196300	20196371	-	3	71	2	4	7
chr1	20206377	20206557	At1g54115	6	180	2	5	36

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	20221514	20221780	At1g54160	8	266	5	7	32
chr1	20225482	20225589	At1g54170	4	107	5	4	21
chr1	20242520	20242628	-	4	108	2	3	17
chr1	20243495	20243563	-	3	68	3	2	12
chr1	20245534	20245713	At1g54210	6	179	0	6	32
chr1	20255291	20255362	At1g54230	3	71	1	4	12
chr1	20264461	20264706	At1g54270	8	245	2	13	35
chr1	20272806	20272847	At1g54290	2	41	3	5	4
chr1	20296528	20296637	At1g54360	4	109	4	5	9
chr1	20300545	20300690	At1g54370	5	145	9	4	27
chr1	20301527	20301639	-	4	112	0	2	10
chr1	20302633	20302713	At1g54380	2	80	1	2	6
chr1	20315263	20315336	-	2	73	4	1	6
chr1	20352434	20352537	At1g54480	4	103	2	4	20
chr1	20352762	20352835	-	3	73	3	2	12
chr1	20364242	20364344	At1g54510	4	102	0	4	12
chr1	20367752	20367863	At1g54520	4	111	5	6	15
chr1	20380627	20380700	At1g54560	3	73	0	0	11
chr1	20382408	20382481	At1g54560	3	73	2	4	9
chr1	20384627	20384696	At1g54570	3	69	0	1	6
chr1	20388036	20388117	At1g54570	3	81	0	2	10
chr1	20405502	20405609	At1g54630	4	107	2	3	18
chr1	20409080	20409153	-	3	73	2	1	10
chr1	20417377	20417445	At1g54680	3	68	2	3	8
chr1	20423621	20423728	At1g54710	4	107	4	4	11
chr1	20437020	20437062	-	2	42	2	0	2
chr1	20440495	20440591	-	4	96	3	3	13
chr1	20457788	20457829	At1g54840	2	41	1	0	10
chr1	20460177	20460251	-	3	74	3	4	10
chr1	20466958	20467031	At1g54890	3	73	0	2	9
chr1	20481819	20481924	-	4	105	3	5	6
chr1	20485646	20485757	At1g54940	4	111	3	5	17
chr1	20488095	20488172	At1g54940	3	77	1	0	21
chr1	20488565	20488707	-	5	142	4	3	10
chr1	20489778	20489893	-	3	115	0	1	15
chr1	20497325	20497399	-	3	74	1	2	5
chr1	20504424	20504492	At1g54960	3	68	1	2	19
chr1	20508797	20508941	At1g54970	5	144	5	8	3
chr1	20533060	20533128	At1g55020	3	68	4	5	19
chr1	20535647	20535719	-	3	72	4	4	12
chr1	20537566	20537638	At1g55035	3	72	0	2	16
chr1	20553315	20553384	At1g55060	3	69	3	4	9
chr1	20557843	20557946	At1g55080	4	103	8	2	10
chr1	20560807	20560921	At1g55090	4	114	3	6	17
chr1	20564530	20564633	At1g55110	4	103	0	2	29
chr1	20571178	20571350	At1g55120	6	172	8	6	25
chr1	20578690	20578762	At1g55150	3	72	4	5	12
chr1	20579543	20579653	At1g55150	4	110	3	5	16
chr1	20594084	20594226	At1g55200	5	142	3	7	14
chr1	20606941	20607008	At1g55230	3	67	1	3	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	20618451	20618598	At1g55260	5	147	6	4	22
chr1	20637580	20637690	At1g55320	4	110	3	5	18
chr1	20668163	20668275	At1g55350	4	112	4	4	7
chr1	20670355	20670427	At1g55360	3	72	0	6	10
chr1	20676422	20676675	-	8	253	1	9	18
chr1	20679135	20679242	At1g55370	4	107	0	4	16
chr1	20681579	20681717	At1g55380	5	138	4	2	31
chr1	20701259	20701330	-	3	71	1	5	11
chr1	20706180	20706325	At1g55440	5	145	7	6	12
chr1	20728296	20728478	At1g55510	6	182	4	7	25
chr1	20735532	20735600	At1g55535	3	68	2	2	13
chr1	20747579	20747620	-	2	41	1	1	7
chr1	20755841	20755912	At1g55550	3	71	1	4	11
chr1	20756061	20756102	At1g55550	2	41	1	2	12
chr1	20761503	20761574	At1g55570	3	71	2	1	10
chr1	20764235	20764302	-	3	67	1	1	8
chr1	20765064	20765194	-	4	130	0	2	16
chr1	20773426	20773644	At1g55590	7	218	3	11	30
chr1	20773747	20773889	At1g55590	5	142	3	9	18
chr1	20778055	20778124	At1g55600	3	69	2	2	12
chr1	20792499	20792569	At1g55620	3	70	1	7	3
chr1	20794078	20794151	At1g55620	3	73	2	2	9
chr1	20796756	20796859	At1g55630	4	103	6	4	13
chr1	20798072	20798149	-	3	77	2	4	12
chr1	20833962	20834075	At1g55720	4	113	2	2	14
chr1	20838816	20838948	-	5	132	3	3	17
chr1	20851202	20851274	At1g55760	3	72	5	6	11
chr1	20852063	20852174	At1g55760	4	111	2	3	20
chr1	20852582	20852651	At1g55760	3	69	2	1	25
chr1	20854734	20854810	At1g55770	3	76	3	3	8
chr1	20861619	20861688	At1g55800	3	69	1	3	8
chr1	20862710	20862786	At1g55805	3	76	6	4	7
chr1	20868444	20868519	At1g55820	3	75	2	4	10
chr1	20872002	20872043	At1g55830	2	41	1	4	6
chr1	20883414	20883486	At1g55860	3	72	0	1	14
chr1	20904759	20904825	At1g55880	3	66	5	6	4
chr1	20904940	20904981	-	2	41	1	1	4
chr1	20906009	20906121	At1g55890	4	112	3	4	21
chr1	20908671	20908741	At1g55900	3	70	1	5	8
chr1	20913074	20913144	At1g55915	3	70	2	3	13
chr1	20915610	20915717	-	4	107	1	2	19
chr1	20916102	20916179	At1g55920	3	77	4	7	9
chr1	20917145	20917186	-	2	41	2	0	10
chr1	20925287	20925587	At1g55930	9	300	4	10	45
chr1	20925692	20925804	At1g55930	4	112	2	3	20
chr1	20927053	20927127	At1g55940	3	74	2	3	8
chr1	20933464	20933598	At1g55960	5	134	7	8	14
chr1	20938282	20938362	At1g55970	3	80	1	4	7
chr1	20946215	20946284	At1g55990	3	69	2	1	6
chr1	20947099	20947206	-	4	107	4	3	15

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	20958923	20959002	-	3	79	2	3	3
chr1	20959119	20959193	-	3	74	1	0	15
chr1	20963379	20963522	-	4	143	3	1	16
chr1	20976527	20976576	-	2	49	2	0	4
chr1	20979047	20979153	At1g56080	4	106	0	2	16
chr1	20989193	20989333	At1g56110	5	140	3	8	16
chr1	20990300	20990341	At1g56110	2	41	0	1	9
chr1	20994945	20995086	At1g56120	5	141	4	7	14
chr1	21003316	21003427	At1g56130	4	111	1	3	12
chr1	21010495	21010747	At1g56140	8	252	2	5	34
chr1	21015434	21015578	At1g56145	5	144	0	4	17
chr1	21015839	21015915	At1g56145	3	76	2	5	7
chr1	21026101	21026142	At1g56160	2	41	0	0	11
chr1	21031282	21031509	At1g56180	7	227	8	7	21
chr1	21046679	21046781	-	4	102	3	2	16
chr1	21049889	21049962	At1g56230	3	73	6	4	9
chr1	21057799	21057875	-	3	76	2	0	8
chr1	21068392	21068605	At1g56260	7	213	7	4	24
chr1	21077271	21077347	At1g56280	3	76	5	4	14
chr1	21077716	21077791	At1g56280	3	75	4	6	7
chr1	21095840	21095952	At1g56340	4	112	3	4	11
chr1	21106263	21106335	At1g56380	3	72	1	1	15
chr1	21112692	21112839	At1g56390	5	147	3	7	18
chr1	21143355	21143424	At1g56440	3	69	1	4	11
chr1	21145110	21145181	At1g56440	3	71	5	4	14
chr1	21146897	21147044	At1g56450	5	147	2	4	21
chr1	21156321	21156429	At1g56480	4	108	1	4	13
chr1	21157199	21157341	-	5	142	1	2	12
chr1	21162640	21162708	-	3	68	0	1	9
chr1	21169449	21169490	At1g56500	2	41	2	2	6
chr1	21171499	21171614	At1g56510	4	115	5	3	16
chr1	21191343	21191421	At1g56550	3	78	2	4	8
chr1	21192956	21193021	-	3	65	0	2	9
chr1	21216730	21216880	At1g56610	5	150	1	4	26
chr1	21217634	21217709	At1g56610	3	75	1	1	17
chr1	21225143	21225210	-	3	67	2	5	7
chr1	21230408	21230484	At1g56630	3	76	3	3	10
chr1	21231812	21231885	-	3	73	2	3	11
chr1	21239618	21239687	-	3	69	2	1	16
chr1	21241718	21241789	At1g56660	3	71	0	1	17
chr1	21247011	21247120	At1g56670	4	109	0	2	19
chr1	21259007	21259108	At1g56690	4	101	5	5	15
chr1	21259491	21259565	At1g56690	3	74	1	1	13
chr1	21260849	21260934	At1g56700	3	85	0	4	16
chr1	21270828	21271053	-	7	225	5	4	22
chr1	21284254	21284323	-	3	69	1	1	12
chr1	21301205	21301276	-	2	71	1	1	5
chr1	21314726	21314795	At1g57540	3	69	0	4	13
chr1	21320431	21320575	-	5	144	0	4	14
chr1	21321716	21321915	At1g57560	6	199	3	3	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	21327727	21327983	At1g57570	8	256	5	7	30
chr1	21331140	21331283	At1g57590	5	143	2	3	12
chr1	21336096	21336167	At1g57600	3	71	0	3	6
chr1	21361932	21362044	At1g57670	4	112	5	3	9
chr1	21362780	21362972	At1g57670	6	192	9	6	24
chr1	21371615	21371684	At1g57690	3	69	4	2	15
chr1	21377759	21377832	-	3	73	3	1	6
chr1	21388182	21388252	At1g57750	3	70	2	3	15
chr1	21399642	21399747	At1g57770	4	105	1	2	23
chr1	21402653	21402723	-	3	70	1	0	6
chr1	21406652	21406722	-	3	70	2	2	13
chr1	21421425	21421522	At1g57820	4	97	8	5	23
chr1	21422596	21422735	-	5	139	2	4	22
chr1	21425931	21425972	-	2	41	2	1	2
chr1	21428996	21429132	At1g57840	5	136	1	1	19
chr1	21429242	21429363	At1g57840	4	121	3	2	14
chr1	21439487	21439558	At1g57906	3	71	6	1	6
chr1	21440543	21440620	-	3	77	1	3	15
chr1	21451571	21451616	-	2	45	2	0	5
chr1	21461329	21461503	At1g58025	6	174	2	6	17
chr1	21468154	21468225	At1g58030	3	71	3	4	9
chr1	21488648	21488757	At1g58050	4	109	0	2	13
chr1	21490487	21490595	At1g58050	4	108	1	1	12
chr1	21497861	21497938	At1g58060	3	77	1	2	8
chr1	21507118	21507195	At1g58070	3	77	6	4	12
chr1	21508189	21508325	At1g58080	5	136	2	7	16
chr1	21508553	21508625	At1g58080	3	72	3	4	9
chr1	21514947	21515160	At1g58090	7	213	3	6	37
chr1	21519031	21519130	-	4	99	1	4	15
chr1	21534179	21534304	-	5	125	3	4	11
chr1	21549686	21549735	At1g58190	2	49	1	1	6
chr1	21550448	21550517	At1g58190	3	69	2	2	8
chr1	21557441	21557583	At1g58210	5	142	5	6	14
chr1	21560767	21560876	At1g58210	4	109	2	4	19
chr1	21602405	21602478	At1g58250	3	73	0	4	6
chr1	21621402	21621476	-	3	74	2	3	11
chr1	21627006	21627082	-	3	76	1	0	18
chr1	21640630	21640744	-	4	114	1	1	11
chr1	21653379	21653451	-	3	72	2	2	12
chr1	21676786	21676859	-	3	73	2	0	10
chr1	21683227	21683295	At1g58360	3	68	0	3	13
chr1	21694644	21694712	At1g58390	3	68	1	1	9
chr1	21696900	21696974	At1g58390	3	74	1	1	11
chr1	21697495	21697536	At1g58390	2	41	2	2	3
chr1	21703722	21703789	-	3	67	1	2	8
chr1	21708404	21708514	-	4	110	2	1	14
chr1	21738621	21738726	At1g58520	4	105	0	10	9
chr1	21739602	21739671	At1g58520	3	69	2	4	12
chr1	21750546	21750661	At1g58602	4	115	3	5	10
chr1	21767605	21767713	At1g58602	4	108	1	4	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	21773649	21773757	At1g58684	4	108	2	4	16
chr1	21777484	21777548	-	3	64	3	0	7
chr1	21779091	21779238	At1g58766	5	147	2	6	28
chr1	21785310	21785450	At1g58807	5	140	1	5	27
chr1	21790338	21790411	-	3	73	2	2	13
chr1	21798902	21799102	At1g58807	6	200	1	2	32
chr1	21877236	21877338	-	4	102	5	1	10
chr1	21880534	21880707	At1g59540	6	173	4	8	25
chr1	21882719	21882831	At1g59540	4	112	2	2	19
chr1	21884670	21884725	-	2	55	2	1	2
chr1	21886603	21886674	At1g59560	3	71	1	2	14
chr1	21894319	21894465	At1g59600	5	146	3	5	15
chr1	21902029	21902104	At1g59610	3	75	1	6	8
chr1	21905031	21905088	-	2	57	1	2	8
chr1	21905240	21905309	-	3	69	1	3	13
chr1	21917508	21917549	-	2	41	1	1	7
chr1	21918927	21918996	-	3	69	4	1	7
chr1	21931884	21932033	At1g59660	5	149	2	5	19
chr1	21932403	21932579	At1g59660	6	176	5	10	29
chr1	21936823	21936890	At1g59680	3	67	3	5	13
chr1	21937144	21937185	At1g59680	2	41	1	3	7
chr1	21938234	21938311	-	3	77	1	0	16
chr1	21944007	21944115	At1g59720	4	108	3	6	7
chr1	21947693	21947805	-	4	112	1	2	8
chr1	21948522	21948589	At1g59722	3	67	0	3	12
chr1	21954657	21954727	At1g59725	3	70	5	3	8
chr1	21954884	21954954	At1g59725	3	70	1	2	21
chr1	21965179	21965254	-	3	75	1	3	11
chr1	21971539	21971581	-	2	42	0	1	10
chr1	21975450	21975527	At1g59740	3	77	2	4	9
chr1	21978760	21978829	-	3	69	4	2	6
chr1	21984950	21985117	At1g59750	5	167	1	8	14
chr1	21986773	21986954	At1g59750	6	181	3	9	19
chr1	21988385	21988462	At1g59760	3	77	3	3	6
chr1	21989824	21990038	At1g59760	7	214	5	8	22
chr1	21997060	21997172	-	4	112	0	1	12
chr1	22001710	22001817	-	4	107	1	1	16
chr1	22017938	22017979	At1g59820	2	41	2	1	3
chr1	22035093	22035169	At1g59860	3	76	8	5	3
chr1	22039399	22039468	At1g59870	3	69	4	0	9
chr1	22042078	22042185	At1g59870	4	107	5	6	23
chr1	22043240	22043312	At1g59870	3	72	2	5	13
chr1	22050426	22050502	At1g59890	3	76	2	3	6
chr1	22061661	22061734	-	3	73	3	1	11
chr1	22080059	22080133	-	3	74	1	0	9
chr1	22102827	22102900	-	3	73	2	2	6
chr1	22123893	22123934	-	2	41	4	2	1
chr1	22129758	22129826	-	3	68	5	3	12
chr1	22130939	22131090	-	5	151	1	4	14
chr1	22141407	22141481	-	3	74	1	0	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	22157038	22157105	At1g60080	3	67	0	3	12
chr1	22161791	22161864	-	3	73	3	5	11
chr1	22175661	22175769	At1g60120	4	108	5	8	12
chr1	22195081	22195147	-	3	66	1	1	15
chr1	22211672	22211767	-	3	95	0	0	8
chr1	22219005	22219141	At1g60240	5	136	6	7	14
chr1	22231793	22231898	-	4	105	1	3	12
chr1	22245674	22245750	At1g60350	3	76	3	1	9
chr1	22272181	22272366	At1g60440	6	185	4	8	9
chr1	22290801	22290878	At1g60490	3	77	2	3	12
chr1	22294819	22294883	-	3	64	2	2	10
chr1	22300648	22300719	At1g60510	3	71	2	5	14
chr1	22303163	22303231	-	3	68	1	2	7
chr1	22308086	22308127	At1g60540	2	41	1	2	7
chr1	22310018	22310093	At1g60550	3	75	1	6	6
chr1	22316029	22316168	At1g60570	5	139	4	5	29
chr1	22338406	22338553	At1g60630	5	147	3	8	15
chr1	22338802	22338984	At1g60630	6	182	7	7	27
chr1	22349373	22349452	At1g60670	3	79	1	2	11
chr1	22359499	22359784	At1g60710	9	285	4	11	30
chr1	22378182	22378256	-	3	74	4	0	5
chr1	22381263	22381437	-	6	174	2	7	26
chr1	22382833	22382907	-	3	74	2	4	8
chr1	22392447	22392550	At1g60810	4	103	3	4	15
chr1	22417077	22417152	At1g60890	3	75	1	2	12
chr1	22434919	22435032	-	4	113	3	3	11
chr1	22437622	22437736	At1g60930	4	114	2	7	11
chr1	22441696	22441768	-	3	72	1	1	11
chr1	22443969	22444073	At1g60940	4	104	3	3	14
chr1	22448028	22448101	-	3	73	4	1	10
chr1	22461367	22461436	-	3	69	1	0	11
chr1	22461623	22461664	-	2	41	2	1	5
chr1	22474932	22475000	At1g61000	3	68	2	2	8
chr1	22485699	22485769	At1g61030	3	70	5	2	8
chr1	22492578	22492655	At1g61060	3	77	1	3	9
chr1	22503863	22504055	At1g61090	6	192	4	4	30
chr1	22507534	22507594	-	2	60	0	0	11
chr1	22533590	22533659	At1g61130	3	69	3	4	7
chr1	22539577	22539647	At1g61140	3	70	5	2	14
chr1	22540075	22540143	At1g61140	3	68	2	6	11
chr1	22543247	22543312	At1g61140	3	65	1	1	9
chr1	22555587	22555698	At1g61180	4	111	2	3	28
chr1	22565885	22565952	-	3	67	0	5	13
chr1	22567878	22567950	-	3	72	2	2	16
chr1	22581650	22581794	-	5	144	5	3	23
chr1	22598155	22598327	At1g61260	6	172	8	10	6
chr1	22611044	22611091	-	2	47	1	3	4
chr1	22613630	22613703	At1g61180	3	73	4	2	6
chr1	22618437	22618570	At1g61180	4	133	3	5	12
chr1	22619535	22619644	At1g61180	4	109	3	1	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	22622805	22623022	At1g61320	7	217	4	5	21
chr1	22654430	22654471	At1g61390	2	41	1	3	4
chr1	22654915	22654988	At1g61390	3	73	4	1	13
chr1	22657206	22657318	At1g61390	4	112	1	3	17
chr1	22662040	22662157	-	4	117	4	5	9
chr1	22671931	22672007	At1g61430	3	76	2	5	7
chr1	22677542	22677616	-	3	74	1	3	21
chr1	22679723	22679867	At1g61460	5	144	2	6	21
chr1	22706492	22706610	At1g61540	4	118	6	5	12
chr1	22710348	22710500	At1g61550	5	152	2	5	21
chr1	22717072	22717143	-	3	71	4	1	10
chr1	22721059	22721137	At1g61566	3	78	0	2	15
chr1	22723021	22723167	At1g61570	5	146	6	5	13
chr1	22723469	22723574	-	4	105	5	4	21
chr1	22724862	22724964	At1g61580	4	102	3	7	13
chr1	22725250	22725321	At1g61580	3	71	1	3	6
chr1	22727690	22727754	At1g61590	3	64	5	5	9
chr1	22733136	22733213	-	3	77	1	2	9
chr1	22746322	22746387	-	3	65	1	1	15
chr1	22754672	22754749	At1g61650	3	77	1	2	8
chr1	22759070	22759174	At1g61660	4	104	3	0	27
chr1	22759387	22759460	At1g61660	3	73	0	1	12
chr1	22798439	22798481	-	2	42	0	1	6
chr1	22800981	22801089	-	4	108	2	0	18
chr1	22801409	22801509	-	4	100	2	4	13
chr1	22803295	22803366	At1g61740	3	71	2	1	3
chr1	22817191	22817336	At1g61780	5	145	2	1	13
chr1	22819838	22819984	-	5	146	3	1	16
chr1	22830169	22830246	At1g61800	3	77	2	4	14
chr1	22837954	22838023	-	3	69	1	3	5
chr1	22845096	22845382	At1g61830	9	286	2	5	45
chr1	22860169	22860240	At1g61850	3	71	4	1	20
chr1	22870743	22870845	-	4	102	2	1	17
chr1	22878386	22878464	-	3	78	3	0	1
chr1	22882916	22882992	-	3	76	2	0	12
chr1	22901044	22901149	-	4	105	5	5	14
chr1	22901262	22901303	At1g61940	2	41	0	2	5
chr1	22902056	22902169	At1g61940	4	113	2	3	14
chr1	22907821	22907926	-	4	105	1	4	15
chr1	22911635	22911759	-	4	124	3	4	17
chr1	22915642	22915683	At1g61990	2	41	1	3	10
chr1	22915970	22916074	At1g61990	4	104	2	5	18
chr1	22917932	22917973	-	2	41	2	1	10
chr1	22918791	22918862	-	3	71	2	1	12
chr1	22925396	22925469	At1g62020	3	73	1	4	11
chr1	22932606	22932679	-	3	73	2	2	10
chr1	22940285	22940352	At1g62050	3	67	5	8	13
chr1	22945447	22945525	At1g62000	3	78	2	2	11
chr1	22948412	22948514	At1g62000	4	102	3	3	16
chr1	22951469	22951794	-	10	325	5	8	30

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	22952122	22952228	-	4	106	1	4	16
chr1	22963085	22963227	At1g62110	5	142	4	4	12
chr1	22967767	22967834	At1g62130	3	67	1	3	10
chr1	22972873	22972941	-	3	68	0	1	15
chr1	22980686	22980799	At1g62180	4	113	3	4	9
chr1	22982080	22982199	-	4	119	0	2	11
chr1	22983071	22983196	-	4	125	0	1	11
chr1	22984724	22984946	At1g62190	7	222	6	8	25
chr1	22986638	22986745	At1g62200	4	107	3	5	17
chr1	22993961	22994002	At1g62225	2	41	0	0	8
chr1	23004188	23004253	-	3	65	2	1	9
chr1	23013196	23013342	-	5	146	3	3	21
chr1	23017014	23017205	At1g62290	6	191	2	7	21
chr1	23021108	23021218	At1g62300	4	110	8	7	7
chr1	23032737	23032878	At1g62305	5	141	12	10	16
chr1	23042363	23042433	At1g62310	3	70	1	6	10
chr1	23048959	23049030	-	3	71	4	6	10
chr1	23052171	23052244	At1g62330	3	73	1	2	7
chr1	23052468	23052581	At1g62330	4	113	6	6	11
chr1	23076540	23076643	At1g62370	4	103	7	6	25
chr1	23082477	23082554	-	3	77	1	0	5
chr1	23082635	23082782	-	5	147	6	2	16
chr1	23094540	23094799	At1g62400	8	259	6	6	42
chr1	23107489	23107557	At1g62420	3	68	1	1	8
chr1	23112742	23112848	At1g62430	4	106	2	4	10
chr1	23117018	23117167	At1g62440	5	149	5	1	23
chr1	23118009	23118226	At1g62440	7	217	6	8	10
chr1	23129416	23129559	-	5	143	5	5	6
chr1	23132919	23133059	At1g62480	5	140	5	6	33
chr1	23135291	23135511	-	7	220	6	8	22
chr1	23151588	23151653	-	3	65	2	2	8
chr1	23166379	23166483	-	4	104	2	1	16
chr1	23173869	23173937	At1g62570	3	68	3	0	13
chr1	23175716	23175757	At1g62570	2	41	0	1	6
chr1	23189341	23189450	-	4	109	4	1	15
chr1	23198920	23198997	-	3	77	1	0	10
chr1	23208086	23208130	-	2	44	0	0	6
chr1	23235306	23235409	At1g62740	4	103	2	9	26
chr1	23237476	23237526	At1g62750	2	50	1	1	3
chr1	23252872	23252924	At1g62780	2	52	0	1	4
chr1	23257037	23257146	At1g62790	4	109	4	7	15
chr1	23257796	23257897	At1g62800	4	101	0	1	14
chr1	23276451	23276523	At1g62850	3	72	2	5	14
chr1	23295013	23295081	-	3	68	2	2	13
chr1	23297245	23297393	-	5	148	3	3	12
chr1	23312055	23312163	At1g62670	4	108	2	1	20
chr1	23314216	23314325	At1g62670	4	109	3	6	9
chr1	23323551	23323717	At1g62670	5	166	6	8	26
chr1	23328623	23328698	At1g62670	3	75	3	6	5
chr1	23351582	23351731	At1g62670	5	149	2	3	24

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	23365019	23365090	At1g62670	3	71	1	1	14
chr1	23365446	23365546	At1g62670	4	100	0	3	12
chr1	23369112	23369177	At1g62670	3	65	0	3	11
chr1	23374327	23374402	At1g62670	3	75	4	4	9
chr1	23377389	23377474	At1g62670	3	85	2	3	12
chr1	23380664	23380736	At1g62670	3	72	1	3	5
chr1	23392076	23392265	At1g62670	6	189	1	4	16
chr1	23397686	23397765	At1g62670	3	79	1	3	10
chr1	23419997	23420067	At1g62670	3	70	0	3	14
chr1	23427135	23427199	At1g62590	3	64	0	1	4
chr1	23435962	23436066	At1g62590	4	104	0	1	16
chr1	23460373	23460480	At1g62590	4	107	2	6	14
chr1	23474465	23474866	At1g62590	12	401	12	13	44
chr1	23486294	23486399	At1g62590	4	105	1	5	18
chr1	23487624	23487727	At1g62590	4	103	4	7	18
chr1	23500934	23501048	At1g63320	4	114	4	3	10
chr1	23502420	23502470	At1g63320	2	50	1	1	7
chr1	23503883	23504105	At1g62630	7	222	3	5	21
chr1	23505680	23505752	At1g62630	3	72	3	2	9
chr1	23514314	23514522	At1g63410	7	208	2	1	24
chr1	23531608	23531716	At1g63440	4	108	3	4	18
chr1	23542020	23542093	At1g63470	3	73	2	5	11
chr1	23563720	23563827	At1g63520	4	107	0	3	13
chr1	23565934	23566042	-	4	108	2	5	23
chr1	23568004	23568075	At1g63530	3	71	2	4	16
chr1	23569811	23569886	-	3	75	0	0	9
chr1	23588240	23588310	At1g63610	3	70	3	4	5
chr1	23592914	23593057	At1g63640	5	143	2	4	23
chr1	23596409	23596512	At1g63640	4	103	3	1	12
chr1	23610905	23610947	At1g63660	2	42	2	1	5
chr1	23611388	23611495	At1g63670	4	107	4	4	16
chr1	23612906	23613088	At1g63670	6	182	3	9	13
chr1	23614172	23614241	-	3	69	0	0	15
chr1	23622628	23622675	At1g63690	2	47	1	1	13
chr1	23626772	23626883	-	4	111	2	4	7
chr1	23629577	23629714	At1g63700	5	137	2	4	21
chr1	23636001	23636071	At1g63710	3	70	2	2	3
chr1	23645759	23645864	At1g63730	4	105	6	7	20
chr1	23657988	23658060	At1g63750	3	72	0	5	12
chr1	23659350	23659460	-	4	110	7	6	14
chr1	23666459	23666529	At1g63770	3	70	2	4	12
chr1	23688424	23688483	-	2	59	2	2	5
chr1	23703538	23703604	At1g63855	3	66	1	5	13
chr1	23717926	23718032	At1g63880	4	106	1	2	14
chr1	23723274	23723349	-	3	75	4	1	10
chr1	23725601	23725717	-	4	116	4	2	6
chr1	23729859	23729996	-	5	137	1	1	26
chr1	23732699	23732769	At1g63930	3	70	5	7	16
chr1	23734233	23734274	At1g63940	2	41	1	1	9
chr1	23739702	23739778	-	3	76	0	0	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	23748125	23748266	At1g63990	5	141	2	2	12
chr1	23767652	23767719	At1g64050	3	67	0	4	12
chr1	23781107	23781183	-	3	76	1	1	10
chr1	23781595	23781672	-	3	77	1	2	10
chr1	23795134	23795246	-	4	112	4	7	7
chr1	23799661	23799772	-	4	111	1	3	10
chr1	23811268	23811350	-	3	82	7	4	18
chr1	23817215	23817316	-	4	101	1	4	11
chr1	23827338	23827408	At1g64180	3	70	4	2	19
chr1	23828282	23828353	At1g64185	3	71	3	5	7
chr1	23834917	23835062	At1g64210	5	145	4	8	11
chr1	23841349	23841535	At1g64240	6	186	2	8	23
chr1	23849362	23849471	At1g64255	4	109	3	6	13
chr1	23849612	23849830	At1g64255	7	218	1	5	32
chr1	23859918	23860022	-	4	104	5	6	8
chr1	23866530	23866676	-	5	146	7	4	9
chr1	23880681	23880744	-	2	63	0	0	12
chr1	23905945	23906014	-	3	69	1	3	12
chr1	23906567	23906681	-	4	114	7	2	20
chr1	23908277	23908346	-	3	69	2	3	9
chr1	23908818	23908885	-	3	67	3	2	6
chr1	23922757	23922826	At1g64400	3	69	0	3	13
chr1	23927643	23927713	At1g64405	3	70	2	1	16
chr1	23937340	23937533	At1g64430	6	193	17	13	18
chr1	23938618	23938689	At1g64430	3	71	1	3	11
chr1	23948782	23948854	At1g64470	3	72	2	1	9
chr1	23973018	23973097	At1g64550	3	79	1	2	21
chr1	23974023	23974095	At1g64550	3	72	1	2	6
chr1	23976297	23976370	At1g64550	3	73	0	6	13
chr1	23978762	23978836	-	3	74	1	3	7
chr1	23993883	23994063	-	6	180	1	8	15
chr1	24018768	24018849	-	3	81	1	1	10
chr1	24022474	24022543	At1g64625	3	69	1	3	18
chr1	24024479	24024523	At1g64630	2	44	1	1	12
chr1	24025163	24025343	At1g64630	6	180	5	11	25
chr1	24033002	24033043	At1g64660	2	41	1	4	5
chr1	24034770	24034955	At1g64670	6	185	15	10	21
chr1	24046213	24046392	-	6	179	1	3	16
chr1	24051742	24051816	At1g64720	3	74	4	3	14
chr1	24071190	24071265	At1g64790	3	75	2	1	13
chr1	24072966	24073032	At1g64790	2	66	0	5	8
chr1	24087639	24087713	-	3	74	0	2	15
chr1	24093912	24094049	At1g64820	5	137	1	1	23
chr1	24096214	24096285	At1g64830	3	71	1	0	15
chr1	24097169	24097304	-	5	135	8	6	10
chr1	24101337	24101408	-	3	71	6	1	14
chr1	24101768	24101838	At1g64860	3	70	1	2	9
chr1	24110604	24110675	At1g64880	3	71	2	1	15
chr1	24127581	24127653	At1g64940	3	72	3	2	7
chr1	24128779	24128854	At1g64940	3	75	4	4	20

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	24137288	24137363	At1g64960	3	75	3	4	11
chr1	24137899	24137940	At1g64970	2	41	1	0	8
chr1	24154283	24154353	At1g65010	3	70	2	5	15
chr1	24155986	24156061	At1g65010	3	75	0	3	18
chr1	24158612	24158753	At1g65020	5	141	2	4	18
chr1	24160194	24160273	At1g65020	3	79	3	2	14
chr1	24160919	24160964	At1g65030	2	45	2	0	14
chr1	24161988	24162238	At1g65030	8	250	3	11	35
chr1	24162686	24162727	-	2	41	1	2	7
chr1	24169304	24169409	At1g65050	4	105	3	3	10
chr1	24171097	24171299	At1g65060	6	202	5	4	21
chr1	24180862	24180932	At1g65080	3	70	1	3	11
chr1	24186125	24186232	At1g65090	4	107	1	4	23
chr1	24188584	24188694	At1g65110	4	110	6	5	9
chr1	24194797	24195008	-	7	211	1	6	23
chr1	24197651	24197722	At1g65120	3	71	5	4	10
chr1	24198218	24198369	At1g65120	5	151	4	7	16
chr1	24199654	24199759	At1g65120	4	105	4	3	14
chr1	24201470	24201583	At1g65130	4	113	0	3	20
chr1	24209053	24209125	At1g65150	3	72	3	2	13
chr1	24210859	24210931	At1g65160	3	72	3	4	12
chr1	24211738	24211852	-	4	114	1	2	14
chr1	24216512	24216628	At1g65180	4	116	2	2	12
chr1	24216865	24216973	At1g65180	4	108	1	4	15
chr1	24220073	24220150	At1g65190	3	77	2	1	4
chr1	24220978	24221056	At1g65190	3	78	4	1	8
chr1	24221694	24221770	-	3	76	2	1	15
chr1	24232764	24232867	-	4	103	4	7	8
chr1	24235680	24235796	At1g65240	4	116	3	1	12
chr1	24245562	24245669	At1g65270	4	107	8	4	7
chr1	24249000	24249046	-	2	46	6	4	6
chr1	24252865	24252938	At1g65290	3	73	0	3	8
chr1	24253621	24253733	At1g65290	4	112	1	3	9
chr1	24255237	24255350	At1g65295	4	113	1	4	11
chr1	24258421	24258496	-	3	75	1	1	10
chr1	24258799	24258878	At1g65300	3	79	2	2	19
chr1	24261991	24262108	At1g65310	4	117	0	0	16
chr1	24264395	24264462	At1g65320	3	67	1	2	19
chr1	24290915	24291021	At1g65380	4	106	5	3	9
chr1	24294303	24294411	At1g65385	4	108	6	5	14
chr1	24295144	24295220	-	3	76	0	3	18
chr1	24296455	24296562	At1g65390	4	107	3	3	17
chr1	24302994	24303069	-	3	75	5	7	7
chr1	24303259	24303334	-	3	75	0	4	8
chr1	24315503	24315580	At1g65440	3	77	1	2	9
chr1	24317807	24317914	At1g65440	4	107	5	5	8
chr1	24319931	24320001	At1g65445	3	70	0	3	9
chr1	24321674	24321991	At1g65450	10	317	8	9	28
chr1	24322616	24322685	At1g65450	3	69	2	2	8
chr1	24364708	24364781	At1g65520	3	73	0	0	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	24369073	24369184	At1g65540	4	111	1	4	7
chr1	24372923	24373000	At1g65550	3	77	1	2	22
chr1	24380920	24381030	-	4	110	2	3	7
chr1	24383826	24383932	At1g65580	4	106	5	7	14
chr1	24399676	24399732	-	2	56	1	0	7
chr1	24400754	24400795	-	2	41	2	0	8
chr1	24404389	24404456	At1g65620	3	67	4	3	17
chr1	24427796	24427900	-	4	104	2	3	14
chr1	24439437	24439539	At1g65700	4	102	6	4	11
chr1	24440817	24440892	At1g65710	3	75	5	7	5
chr1	24454599	24454705	-	4	106	2	2	8
chr1	24473126	24473271	At1g65790	5	145	6	9	16
chr1	24483246	24483350	At1g65810	4	104	1	6	13
chr1	24494182	24494250	At1g65840	3	68	1	3	11
chr1	24497084	24497156	At1g65845	3	72	4	6	15
chr1	24513267	24513406	At1g65880	5	139	6	8	13
chr1	24527683	24527756	At1g65910	3	73	3	4	11
chr1	24544928	24545000	At1g65930	3	72	1	3	9
chr1	24566297	24566368	At1g65985	3	71	1	5	14
chr1	24569484	24569627	At1g65985	5	143	7	6	15
chr1	24584128	24584208	-	3	80	0	1	13
chr1	24603312	24603431	-	4	119	1	4	6
chr1	24605768	24605877	-	4	109	1	4	9
chr1	24625161	24625208	At1g66140	2	47	0	0	8
chr1	24628188	24628336	-	5	148	4	1	12
chr1	24642319	24642386	-	3	67	0	1	7
chr1	24657807	24657920	-	4	113	1	2	15
chr1	24668881	24668923	-	2	42	0	0	5
chr1	24684162	24684203	-	2	41	0	0	6
chr1	24699021	24699088	At1g66250	3	67	2	3	13
chr1	24755194	24755305	At1g66360	4	111	2	4	13
chr1	24762055	24762319	At1g66380	8	264	7	8	30
chr1	24775613	24775679	-	3	66	3	1	12
chr1	24777942	24778046	At1g66410	4	104	1	0	11
chr1	24784828	24784936	-	4	108	6	4	8
chr1	24807058	24807124	-	3	66	0	1	10
chr1	24815256	24815326	At1g66500	3	70	4	5	8
chr1	24829116	24829188	At1g66540	3	72	1	2	18
chr1	24835033	24835249	-	7	216	8	2	25
chr1	24843379	24843514	-	5	135	2	4	28
chr1	24847719	24847797	-	3	78	1	4	9
chr1	24860099	24860175	-	3	76	1	2	9
chr1	24864315	24864384	-	3	69	2	4	6
chr1	24864522	24864802	-	8	280	1	1	29
chr1	24872193	24872265	-	3	72	3	0	4
chr1	24897161	24897232	-	3	71	0	2	16
chr1	24914792	24914902	-	4	110	3	5	19
chr1	24924491	24924563	-	3	72	2	2	5
chr1	24925731	24925802	-	3	71	3	3	5
chr1	24931498	24931607	-	4	109	3	1	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	24949167	24949281	-	4	114	4	5	8
chr1	24956181	24956291	-	4	110	3	0	11
chr1	24957686	24957868	-	6	182	3	6	19
chr1	24964806	24964912	-	4	106	1	4	20
chr1	24966375	24966490	-	4	115	2	3	11
chr1	24970631	24970743	-	4	112	5	7	18
chr1	24973916	24973995	-	3	79	3	3	7
chr1	24994590	24994661	-	3	71	0	0	13
chr1	25003362	25003433	-	3	71	3	4	11
chr1	25007268	25007382	-	4	114	6	6	10
chr1	25012661	25012770	-	4	109	1	1	16
chr1	25015666	25015772	-	4	106	1	4	15
chr1	25021936	25022048	-	4	112	8	2	20
chr1	25024599	25024675	-	3	76	3	5	7
chr1	25026097	25026244	-	5	147	2	4	29
chr1	25036377	25036515	-	5	138	2	1	25
chr1	25048533	25048673	-	5	140	1	1	26
chr1	25049953	25050058	-	4	105	4	3	11
chr1	25060528	25060596	-	3	68	4	2	6
chr1	25068210	25068287	-	3	77	3	1	5
chr1	25070943	25071047	-	4	104	2	7	21
chr1	25072928	25073059	-	4	131	3	4	15
chr1	25075198	25075303	-	4	105	2	7	15
chr1	25088430	25088505	-	3	75	4	4	10
chr1	25090603	25090673	-	3	70	0	3	15
chr1	25098563	25098675	-	4	112	4	3	11
chr1	25118079	25118191	At1g67140	4	112	1	0	23
chr1	25119347	25119450	At1g67140	4	103	2	4	13
chr1	25119859	25120001	At1g67140	5	142	1	6	15
chr1	25124013	25124127	-	4	114	2	1	16
chr1	25142800	25142873	-	3	73	4	0	12
chr1	25158838	25158950	At1g67230	4	112	1	7	7
chr1	25175937	25176078	-	5	141	1	4	22
chr1	25176881	25177026	-	5	145	0	0	20
chr1	25179734	25179804	-	3	70	1	1	16
chr1	25181219	25181295	-	3	76	1	1	12
chr1	25182288	25182358	-	3	70	1	1	15
chr1	25184968	25185041	-	3	73	0	1	10
chr1	25193428	25193495	At1g67280	3	67	0	2	13
chr1	25214552	25214626	At1g67325	3	74	1	5	8
chr1	25215308	25215454	At1g67325	5	146	2	5	15
chr1	25221565	25221638	-	3	73	2	0	13
chr1	25234855	25234990	At1g67340	5	135	8	11	17
chr1	25244715	25244790	At1g67370	3	75	2	8	9
chr1	25245428	25245568	At1g67370	5	140	2	9	20
chr1	25249947	25250012	At1g67390	3	65	0	0	12
chr1	25252759	25252832	At1g67400	3	73	1	2	8
chr1	25262016	25262118	At1g67420	4	102	1	2	12
chr1	25262439	25262512	At1g67420	3	73	0	1	10
chr1	25263666	25263776	At1g67420	4	110	5	6	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	25268333	25268403	At1g67440	3	70	0	4	5
chr1	25273737	25273807	At1g67460	3	70	0	3	11
chr1	25290033	25290108	At1g67490	3	75	6	3	7
chr1	25293041	25293155	At1g67500	4	114	1	3	15
chr1	25299025	25299129	At1g67500	4	104	3	3	10
chr1	25301273	25301531	At1g67510	8	258	7	8	36
chr1	25301671	25301750	At1g67510	3	79	4	1	11
chr1	25303729	25303797	At1g67510	3	68	6	4	24
chr1	25332424	25332615	At1g67580	6	191	3	4	29
chr1	25339276	25339410	-	5	134	3	2	23
chr1	25355462	25355533	-	3	71	0	0	15
chr1	25361788	25361844	-	2	56	1	1	4
chr1	25367597	25367740	At1g67660	5	143	0	2	26
chr1	25369626	25369815	At1g67680	6	189	5	5	26
chr1	25373593	25373663	At1g67690	3	70	0	3	10
chr1	25379904	25380103	-	6	199	4	8	25
chr1	25380913	25381022	At1g67710	4	109	1	7	17
chr1	25391679	25391825	At1g67720	5	146	4	8	15
chr1	25393112	25393182	At1g67720	3	70	2	3	18
chr1	25409164	25409309	-	5	145	4	4	11
chr1	25421740	25421889	At1g67790	5	149	2	2	16
chr1	25426223	25426405	At1g67800	6	182	1	4	20
chr1	25426589	25426695	At1g67800	4	106	3	3	10
chr1	25435579	25435653	At1g67820	3	74	3	1	11
chr1	25446526	25446604	At1g67855	3	78	0	2	8
chr1	25450694	25450870	-	6	176	3	2	28
chr1	25457784	25457855	At1g67880	3	71	8	7	9
chr1	25458648	25458726	At1g67880	3	78	4	1	15
chr1	25466925	25467035	-	4	110	2	2	18
chr1	25467855	25467927	-	3	72	1	4	9
chr1	25486226	25486525	At1g67960	9	299	1	13	33
chr1	25489209	25489318	At1g67970	4	109	0	4	6
chr1	25493801	25493853	At1g67990	2	52	2	2	6
chr1	25501079	25501147	At1g68020	3	68	0	1	5
chr1	25505455	25505566	-	4	111	3	4	13
chr1	25524078	25524128	At1g68090	2	50	1	1	6
chr1	25537359	25537468	At1g68130	4	109	7	7	9
chr1	25544991	25545099	At1g68140	4	108	7	5	3
chr1	25561920	25562024	At1g68185	4	104	3	7	15
chr1	25563784	25563858	At1g68190	3	74	2	3	15
chr1	25566543	25566614	At1g68200	3	71	0	4	16
chr1	25573180	25573243	-	3	63	0	1	9
chr1	25592378	25592485	At1g68270	4	107	3	2	9
chr1	25594711	25594876	-	6	165	7	5	22
chr1	25604093	25604193	At1g68310	4	100	1	4	23
chr1	25609261	25609595	-	10	334	4	3	42
chr1	25615012	25615084	At1g68330	3	72	3	5	11
chr1	25633156	25633197	-	2	41	0	1	8
chr1	25633576	25633648	-	3	72	1	3	12
chr1	25654859	25654932	At1g68410	3	73	2	3	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	25674420	25674620	-	7	200	5	1	31
chr1	25679995	25680139	-	5	144	2	2	23
chr1	25691321	25691362	-	2	41	1	2	9
chr1	25697064	25697130	-	3	66	0	2	12
chr1	25699730	25699939	-	7	209	3	7	28
chr1	25713163	25713382	-	7	219	4	5	27
chr1	25715180	25715254	-	3	74	2	2	13
chr1	25724634	25724704	-	3	70	1	2	14
chr1	25729279	25729380	At1g68550	4	101	3	6	6
chr1	25730206	25730397	At1g68550	6	191	6	3	20
chr1	25780265	25780336	At1g68650	3	71	1	2	11
chr1	25781613	25781791	At1g68660	6	178	1	12	18
chr1	25787931	25788000	-	3	69	1	1	11
chr1	25790005	25790113	At1g68680	4	108	1	1	22
chr1	25792753	25792858	At1g68690	4	105	4	4	17
chr1	25794775	25794844	At1g68690	3	69	2	1	15
chr1	25798805	25798909	At1g68710	4	104	1	5	7
chr1	25799510	25799585	At1g68710	3	75	0	0	7
chr1	25800924	25800998	At1g68710	3	74	0	1	12
chr1	25801860	25801929	-	3	69	6	10	7
chr1	25813435	25813506	At1g68725	3	71	2	4	7
chr1	25815632	25815710	-	3	78	2	0	3
chr1	25824143	25824184	-	2	41	1	1	3
chr1	25843752	25843821	-	3	69	2	3	7
chr1	25848655	25848762	-	4	107	4	2	10
chr1	25850045	25850195	-	5	150	4	1	13
chr1	25852020	25852176	At1g68800	5	156	1	1	31
chr1	25859883	25860038	-	5	155	1	4	17
chr1	25868680	25868832	-	5	152	2	1	11
chr1	25877750	25877822	At1g68830	3	72	1	2	11
chr1	25885087	25885159	At1g68840	3	72	5	3	12
chr1	25892153	25892241	-	3	88	0	1	15
chr1	25903178	25903228	At1g68890	2	50	3	1	8
chr1	25911909	25911980	At1g68910	3	71	1	1	10
chr1	25912166	25912339	At1g68910	6	173	4	8	14
chr1	25919108	25919225	At1g68920	4	117	1	3	23
chr1	25944902	25944981	-	3	79	0	2	13
chr1	25953081	25953238	-	5	157	0	0	18
chr1	25961728	25961871	At1g69040	5	143	0	3	23
chr1	25964329	25964400	-	3	71	0	1	12
chr1	25973739	25973817	At1g69070	3	78	5	4	9
chr1	25983794	25983900	At1g69100	4	106	4	9	18
chr1	26000207	26000273	-	3	66	0	1	18
chr1	26003057	26003206	-	5	149	4	7	21
chr1	26003994	26004072	At1g69160	3	78	3	4	16
chr1	26008247	26008309	-	3	62	3	0	7
chr1	26016856	26016963	At1g69190	4	107	3	4	5
chr1	26024637	26024704	At1g69220	3	67	0	5	9
chr1	26044692	26044768	At1g69260	3	76	3	1	13
chr1	26045577	26045647	At1g69270	3	70	1	4	4

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	26051174	26051283	At1g69290	4	109	3	4	9
chr1	26065191	26065303	-	4	112	1	4	8
chr1	26075915	26075987	-	3	72	0	2	12
chr1	26076791	26076863	At1g69360	3	72	3	6	14
chr1	26089088	26089189	At1g69390	4	101	1	5	21
chr1	26117446	26117590	At1g69470	5	144	6	6	28
chr1	26123142	26123280	At1g69485	5	138	10	10	19
chr1	26128435	26128506	At1g69500	3	71	0	2	14
chr1	26130433	26130503	At1g69510	3	70	0	2	19
chr1	26150187	26150325	At1g69540	5	138	1	2	23
chr1	26161935	26162041	At1g69560	4	106	3	2	25
chr1	26166951	26167104	-	5	153	2	1	28
chr1	26186274	26186343	At1g69600	3	69	10	9	7
chr1	26186499	26186567	At1g69600	3	68	4	9	7
chr1	26191677	26191754	At1g69610	3	77	4	2	5
chr1	26193838	26193920	At1g69620	3	82	1	2	11
chr1	26194378	26194485	At1g69620	4	107	1	4	15
chr1	26208589	26208695	At1g69680	4	106	3	3	5
chr1	26218007	26218048	-	2	41	2	3	6
chr1	26230918	26231059	At1g69720	5	141	10	12	16
chr1	26243965	26244077	At1g69760	4	112	3	2	18
chr1	26245404	26245505	-	4	101	4	5	9
chr1	26253693	26253766	At1g69770	3	73	0	2	11
chr1	26263981	26264121	At1g69780	5	140	2	8	16
chr1	26272320	26272505	At1g69790	6	185	5	6	22
chr1	26282067	26282141	At1g69810	3	74	3	2	9
chr1	26283259	26283335	-	3	76	1	2	9
chr1	26285692	26285733	-	2	41	0	1	7
chr1	26300629	26300735	At1g69850	4	106	1	3	16
chr1	26305840	26305919	-	3	79	0	4	7
chr1	26316572	26316644	-	3	72	2	3	8
chr1	26320304	26320372	At1g69870	3	68	4	5	5
chr1	26332566	26332634	-	3	68	1	1	13
chr1	26334309	26334380	At1g69910	3	71	4	5	9
chr1	26349257	26349438	-	6	181	5	7	22
chr1	26350231	26350301	At1g69950	3	70	2	4	16
chr1	26356894	26356995	-	3	101	1	1	16
chr1	26370176	26370217	-	2	41	1	1	3
chr1	26394599	26394709	At1g70070	4	110	2	4	13
chr1	26410266	26410408	At1g70110	5	142	3	1	19
chr1	26411561	26411663	At1g70110	4	102	2	2	21
chr1	26411979	26412126	At1g70110	5	147	2	4	13
chr1	26413481	26413554	At1g70130	3	73	3	3	14
chr1	26414553	26414622	At1g70130	3	69	2	1	7
chr1	26418336	26418441	At1g70140	4	105	7	7	13
chr1	26421373	26421441	At1g70150	3	68	0	3	11
chr1	26424225	26424374	At1g70160	5	149	3	4	19
chr1	26432068	26432216	At1g70180	5	148	1	3	16
chr1	26436840	26436915	At1g70200	3	75	2	3	7
chr1	26452572	26452727	-	5	155	1	2	15

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	26467567	26467713	-	5	146	1	2	18
chr1	26475810	26475880	At1g70290	3	70	1	3	9
chr1	26494134	26494205	At1g70320	3	71	1	4	10
chr1	26496326	26496398	At1g70320	3	72	2	6	11
chr1	26496878	26496948	At1g70320	3	70	1	4	11
chr1	26504618	26504941	At1g70320	10	323	5	9	36
chr1	26507919	26507990	At1g70330	3	71	2	8	12
chr1	26527423	26527500	-	3	77	1	1	11
chr1	26548684	26548756	-	3	72	1	3	5
chr1	26548866	26548983	-	4	117	1	1	10
chr1	26572990	26573057	-	3	67	0	2	11
chr1	26587381	26587561	-	6	180	6	1	37
chr1	26590907	26590976	At1g70520	3	69	2	4	16
chr1	26592064	26592201	-	4	137	3	4	4
chr1	26598749	26598860	-	4	111	1	2	7
chr1	26602421	26602533	At1g70550	4	112	6	5	20
chr1	26606458	26606712	-	8	254	5	2	37
chr1	26612523	26612627	At1g70570	4	104	7	11	12
chr1	26612734	26612851	At1g70570	4	117	3	1	17
chr1	26614749	26614889	At1g70570	5	140	5	8	22
chr1	26615882	26616057	At1g70570	6	175	5	4	24
chr1	26620452	26620498	-	2	46	4	4	6
chr1	26622170	26622241	At1g70590	3	71	4	2	6
chr1	26629590	26629667	At1g70610	3	77	3	2	11
chr1	26644290	26644358	At1g70660	3	68	1	4	4
chr1	26646604	26646678	-	3	74	3	2	13
chr1	26647671	26647787	-	4	116	2	0	11
chr1	26654762	26654836	-	3	74	2	2	8
chr1	26655525	26655625	-	3	100	1	1	13
chr1	26669772	26669848	-	3	76	3	5	14
chr1	26670531	26670607	At1g70720	3	76	7	4	12
chr1	26680314	26680392	-	3	78	0	0	15
chr1	26682780	26682853	-	3	73	2	0	16
chr1	26683343	26683534	-	6	191	2	0	13
chr1	26685947	26686102	At1g70750	5	155	11	10	12
chr1	26690286	26690355	-	3	69	0	3	10
chr1	26701568	26701637	-	3	69	2	1	13
chr1	26703014	26703161	-	5	147	3	4	13
chr1	26723888	26723998	-	4	110	3	4	9
chr1	26724432	26724618	-	6	186	4	4	13
chr1	26729592	26729802	At1g70890	7	210	9	9	21
chr1	26738116	26738188	At1g70910	3	72	3	3	6
chr1	26751087	26751301	-	7	214	9	6	21
chr1	26752382	26752475	-	3	93	1	1	5
chr1	26763860	26763933	At1g70970	3	73	4	4	8
chr1	26764510	26764626	At1g70970	4	116	2	3	20
chr1	26770509	26770663	-	5	154	2	4	21
chr1	26780207	26780311	-	4	104	2	0	17
chr1	26786592	26786661	At1g71010	3	69	1	0	14
chr1	26793182	26793223	At1g71015	2	41	0	2	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	26816293	26816366	At1g71090	3	73	2	2	11
chr1	26818300	26818405	At1g71100	4	105	7	4	6
chr1	26820621	26820687	-	3	66	4	3	11
chr1	26823823	26823895	At1g71110	3	72	3	6	8
chr1	26826960	26827164	At1g71130	7	204	8	6	34
chr1	26828185	26828395	-	7	210	7	5	25
chr1	26840365	26840430	At1g71200	3	65	1	2	5
chr1	26842453	26842528	At1g71210	3	75	0	4	4
chr1	26853452	26853527	At1g71220	3	75	0	3	9
chr1	26859211	26859318	At1g71240	4	107	6	4	14
chr1	26864880	26864952	At1g71250	3	72	2	4	8
chr1	26870516	26870590	At1g71270	3	74	3	3	8
chr1	26876338	26876447	At1g71290	4	109	0	4	19
chr1	26888385	26888524	At1g71330	5	139	1	5	20
chr1	26891415	26891484	At1g71340	3	69	1	3	7
chr1	26895434	26895500	-	3	66	1	2	18
chr1	26900740	26900888	At1g71370	5	148	1	7	8
chr1	26914432	26914573	At1g71400	5	141	3	5	11
chr1	26919609	26919680	At1g71410	3	71	4	3	11
chr1	26921891	26921959	At1g71420	3	68	2	3	7
chr1	26924574	26924683	At1g71430	4	109	6	11	19
chr1	26926064	26926133	At1g71440	3	69	1	4	10
chr1	26927000	26927075	At1g71440	3	75	1	5	7
chr1	26939407	26939478	-	3	71	4	1	13
chr1	26946046	26946155	At1g71530	4	109	0	1	18
chr1	26955989	26956058	-	3	69	3	1	12
chr1	26966216	26966286	-	3	70	4	1	9
chr1	26969736	26969841	At1g71695	4	105	6	8	7
chr1	26971068	26971136	At1g71696	3	68	1	2	16
chr1	26990380	26990490	At1g71730	4	110	6	10	18
chr1	26994021	26994098	At1g71760	3	77	2	2	19
chr1	26994606	26994673	At1g71770	3	67	1	6	7
chr1	26996573	26996639	At1g71770	3	66	6	5	9
chr1	27001922	27002065	At1g71790	5	143	1	8	19
chr1	27010098	27010209	At1g71810	4	111	2	5	12
chr1	27014434	27014543	At1g71820	4	109	2	4	9
chr1	27028258	27028327	-	3	69	2	0	11
chr1	27034238	27034350	-	4	112	3	0	22
chr1	27037460	27037534	At1g71870	3	74	0	0	5
chr1	27041471	27041539	-	3	68	2	1	8
chr1	27044105	27044217	-	4	112	0	2	22
chr1	27048251	27048304	-	2	53	2	2	8
chr1	27056896	27056997	-	4	101	4	3	22
chr1	27057688	27057764	-	3	76	2	3	5
chr1	27062126	27062197	At1g71890	3	71	3	4	11
chr1	27064427	27064477	At1g71890	2	50	2	2	8
chr1	27073698	27073751	-	2	53	1	2	9
chr1	27081206	27081310	At1g71930	4	104	5	5	21
chr1	27082498	27082568	At1g71940	3	70	5	3	6
chr1	27084950	27085015	At1g71950	3	65	2	4	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	27093981	27094088	-	4	107	4	2	16
chr1	27103077	27103183	At1g71980	4	106	4	6	7
chr1	27107201	27107270	At1g72000	3	69	2	1	13
chr1	27113708	27113816	At1g72020	4	108	8	6	7
chr1	27117964	27118010	At1g72040	2	46	1	1	15
chr1	27134817	27134923	At1g72110	4	106	5	1	22
chr1	27159035	27159103	At1g72160	3	68	3	8	13
chr1	27165701	27165759	-	2	58	2	3	3
chr1	27173513	27173581	At1g72200	3	68	3	5	7
chr1	27174518	27174589	At1g72200	3	71	7	3	10
chr1	27184417	27184489	At1g72210	2	72	1	1	8
chr1	27189022	27189166	At1g72220	5	144	6	7	33
chr1	27205722	27205905	At1g72270	6	183	2	10	22
chr1	27214461	27214531	At1g72270	3	70	4	4	18
chr1	27215569	27215656	At1g72280	3	87	1	1	7
chr1	27224111	27224184	At1g72300	3	73	1	3	14
chr1	27234407	27234515	At1g72320	4	108	2	4	17
chr1	27247445	27247553	At1g72370	4	108	0	3	16
chr1	27248915	27248988	At1g72380	3	73	1	1	9
chr1	27250018	27250094	At1g72380	3	76	1	2	15
chr1	27253952	27254026	At1g72390	3	74	2	2	20
chr1	27256267	27256374	At1g72410	4	107	4	5	23
chr1	27265211	27265288	At1g72420	3	77	2	2	14
chr1	27274770	27274837	At1g72440	3	67	0	3	8
chr1	27281347	27281414	-	3	67	2	1	10
chr1	27283971	27284083	At1g72460	4	112	5	2	13
chr1	27288601	27288671	At1g72470	3	70	5	3	6
chr1	27293067	27293222	-	5	155	0	5	16
chr1	27309253	27309393	-	5	140	1	3	21
chr1	27319487	27319599	At1g72540	4	112	1	4	14
chr1	27323388	27323429	At1g72550	2	41	1	2	4
chr1	27324331	27324637	At1g72550	9	306	7	10	32
chr1	27341899	27341968	At1g72600	3	69	3	4	3
chr1	27346088	27346160	At1g72620	3	72	3	4	6
chr1	27350054	27350122	At1g72640	3	68	0	6	5
chr1	27351488	27351559	At1g72640	3	71	2	4	7
chr1	27361236	27361303	At1g72670	3	67	1	1	10
chr1	27382726	27382835	At1g72730	4	109	2	8	12
chr1	27394117	27394257	At1g72770	5	140	5	3	23
chr1	27395471	27395628	At1g72770	5	157	1	5	26
chr1	27399061	27399166	At1g72790	4	105	5	6	17
chr1	27409906	27409980	At1g72830	3	74	3	5	10
chr1	27411174	27411281	At1g72830	4	107	1	3	18
chr1	27417081	27417150	At1g72840	3	69	2	3	18
chr1	27417783	27417964	At1g72850	6	181	7	8	21
chr1	27419865	27419933	-	3	68	4	7	12
chr1	27429485	27429560	At1g72880	3	75	7	4	2
chr1	27431650	27431793	-	5	143	10	5	12
chr1	27438148	27438223	-	3	75	1	2	7
chr1	27438827	27438905	-	3	78	3	1	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	27452174	27452249	At1g72960	3	75	3	6	11
chr1	27468166	27468232	-	3	66	2	1	7
chr1	27469572	27469708	At1g73010	4	136	1	0	24
chr1	27471297	27471372	-	3	75	2	1	10
chr1	27486450	27486570	At1g73060	4	120	7	10	18
chr1	27502523	27502574	-	2	51	0	0	3
chr1	27504174	27504246	At1g73130	3	72	3	2	15
chr1	27507285	27507424	At1g73140	5	139	5	5	16
chr1	27517073	27517246	At1g73170	6	173	3	4	19
chr1	27517783	27517857	At1g73170	3	74	5	4	3
chr1	27522418	27522495	At1g73180	3	77	0	4	14
chr1	27539710	27539819	-	4	109	2	3	14
chr1	27553062	27553166	-	4	104	0	3	13
chr1	27563208	27563278	-	3	70	1	0	12
chr1	27570411	27570662	At1g73320	8	251	9	9	39
chr1	27579300	27579441	-	5	141	4	8	12
chr1	27580806	27580988	-	6	182	6	4	27
chr1	27594468	27594578	At1g73380	4	110	3	4	8
chr1	27597908	27598286	At1g73390	11	378	8	4	35
chr1	27617887	27617992	At1g73450	4	105	1	5	18
chr1	27629126	27629203	At1g73470	3	77	4	4	9
chr1	27635072	27635205	At1g73480	5	133	2	4	19
chr1	27646186	27646257	-	3	71	2	1	9
chr1	27653153	27653224	-	3	71	4	4	7
chr1	27653951	27654065	At1g73560	4	114	11	11	12
chr1	27655337	27655447	At1g73570	4	110	1	4	27
chr1	27658600	27658892	At1g73580	9	292	10	8	13
chr1	27664517	27664588	At1g73590	3	71	6	5	18
chr1	27690016	27690094	-	3	78	0	3	10
chr1	27692690	27692759	At1g73650	3	69	2	3	6
chr1	27697915	27697980	At1g73660	3	65	2	3	7
chr1	27699516	27699585	At1g73660	3	69	1	4	8
chr1	27722461	27722567	At1g73700	4	106	6	6	9
chr1	27728900	27728969	At1g73720	3	69	0	1	11
chr1	27737174	27737252	-	3	78	2	1	6
chr1	27739969	27740049	-	3	80	1	3	10
chr1	27740337	27740451	At1g73750	4	114	8	10	3
chr1	27740838	27740913	At1g73750	3	75	1	2	15
chr1	27742586	27742907	At1g73750	10	321	7	5	24
chr1	27747677	27747784	At1g73780	4	107	3	6	13
chr1	27768074	27768145	At1g73840	3	71	1	5	9
chr1	27772895	27772968	At1g73850	3	73	5	4	9
chr1	27795078	27795143	At1g73920	3	65	2	1	12
chr1	27814105	27814222	At1g73960	4	117	3	3	9
chr1	27818801	27818876	-	3	75	1	3	11
chr1	27823389	27823527	At1g73970	5	138	3	6	24
chr1	27824384	27824487	At1g73980	4	103	5	6	14
chr1	27829057	27829198	At1g73990	5	141	2	3	23
chr1	27833828	27833896	At1g74000	3	68	4	4	12
chr1	27840628	27840733	At1g74020	4	105	4	4	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	27847309	27847381	At1g74040	3	72	2	3	16
chr1	27848130	27848203	At1g74040	3	73	2	4	7
chr1	27856731	27856772	-	2	41	2	1	11
chr1	27866023	27866132	-	4	109	2	6	14
chr1	27867700	27867772	At1g74090	3	72	2	4	10
chr1	27878185	27878289	At1g74130	4	104	1	4	21
chr1	27883227	27883268	At1g74140	2	41	2	3	10
chr1	27885145	27885256	At1g74150	4	111	1	6	10
chr1	27887073	27887290	At1g74150	7	217	4	12	29
chr1	27891637	27891708	At1g74160	3	71	2	1	14
chr1	27892879	27892950	At1g74160	3	71	2	6	10
chr1	27900767	27900839	-	3	72	1	2	9
chr1	27905057	27905468	-	12	411	8	9	36
chr1	27906321	27906465	At1g74190	5	144	1	6	18
chr1	27910894	27910965	At1g74200	3	71	2	4	7
chr1	27912268	27912342	At1g74200	3	74	1	2	14
chr1	27920193	27920338	At1g74230	5	145	1	3	34
chr1	27923629	27923734	At1g74240	4	105	1	2	16
chr1	27924241	27924313	At1g74250	3	72	3	5	7
chr1	27926130	27926200	-	3	70	1	2	16
chr1	27928433	27928570	At1g74260	5	137	1	7	19
chr1	27959099	27959212	At1g74360	4	113	1	6	15
chr1	27969347	27969420	At1g74410	3	73	4	2	10
chr1	27971742	27971887	At1g74420	5	145	2	7	15
chr1	27984934	27984976	-	2	42	0	0	8
chr1	27986834	27987077	At1g74450	8	243	7	8	39
chr1	27990538	27990677	-	5	139	2	5	13
chr1	27992637	27992744	At1g74460	4	107	5	3	17
chr1	27994248	27994319	-	3	71	3	5	7
chr1	28007390	28007461	-	3	71	2	1	14
chr1	28011059	28011127	At1g74510	3	68	1	1	16
chr1	28016577	28016746	-	6	169	1	2	13
chr1	28019663	28019886	-	7	223	9	7	14
chr1	28020704	28020812	At1g74550	4	108	6	10	13
chr1	28035533	28035610	At1g74630	3	77	1	3	17
chr1	28045992	28046098	At1g74650	4	106	1	4	6
chr1	28058876	28058917	-	2	41	0	0	5
chr1	28075368	28075440	At1g74710	3	72	4	7	7
chr1	28083096	28083173	At1g74730	3	77	4	3	14
chr1	28094731	28094974	-	8	243	1	7	29
chr1	28111469	28111576	-	4	107	6	7	15
chr1	28112400	28112474	At1g74810	3	74	3	2	11
chr1	28113756	28113893	At1g74810	5	137	4	10	11
chr1	28116071	28116198	At1g74820	4	127	1	2	31
chr1	28117668	28117738	At1g74830	3	70	1	3	4
chr1	28124041	28124105	At1g74850	3	64	2	2	14
chr1	28125373	28125446	At1g74850	3	73	4	4	7
chr1	28126585	28126658	-	3	73	1	0	8
chr1	28134860	28134901	-	2	41	0	1	8
chr1	28147933	28147993	At1g74930	2	60	2	2	15

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	28152496	28152568	At1g74950	3	72	3	5	14
chr1	28155635	28155820	-	6	185	1	5	23
chr1	28158983	28159061	At1g74960	3	78	0	3	8
chr1	28168275	28168347	-	3	72	1	5	10
chr1	28170427	28170468	At1g75010	2	41	2	2	6
chr1	28179556	28179597	-	2	41	0	0	12
chr1	28182297	28182592	At1g75040	9	295	11	9	26
chr1	28186756	28186829	At1g75060	3	73	6	6	9
chr1	28196179	28196363	At1g75100	6	184	2	6	17
chr1	28201012	28201119	At1g75120	4	107	4	6	18
chr1	28201270	28201343	At1g75120	3	73	3	5	4
chr1	28204308	28204487	At1g75130	6	179	2	8	18
chr1	28213296	28213438	At1g75160	5	142	9	4	23
chr1	28229263	28229336	At1g75210	3	73	3	2	14
chr1	28248104	28248145	-	2	41	1	2	3
chr1	28270908	28270978	At1g75330	3	70	2	3	14
chr1	28278423	28278464	-	2	41	1	1	6
chr1	28279012	28279086	At1g75360	3	74	6	5	6
chr1	28284947	28285028	-	3	81	1	5	5
chr1	28290324	28290365	-	2	41	2	1	5
chr1	28297720	28297858	-	5	138	2	6	14
chr1	28304338	28304443	At1g75410	4	105	0	4	18
chr1	28306215	28306263	At1g75410	2	48	1	0	5
chr1	28311906	28312015	At1g75430	4	109	1	4	10
chr1	28322378	28322447	-	3	69	1	2	13
chr1	28331612	28331732	At1g75460	4	120	3	3	5
chr1	28333854	28333922	At1g75470	3	68	3	5	9
chr1	28337658	28337787	-	5	129	4	4	10
chr1	28340673	28340747	-	3	74	2	0	11
chr1	28354940	28355061	-	4	121	1	2	16
chr1	28370890	28370959	At1g75540	3	69	0	3	12
chr1	28372517	28372586	-	3	69	3	0	5
chr1	28376464	28376535	At1g75560	3	71	0	2	3
chr1	28378772	28378878	-	4	106	4	3	17
chr1	28390429	28390526	-	4	97	2	1	12
chr1	28403995	28404138	-	5	143	2	3	14
chr1	28409950	28410060	At1g75640	4	110	6	7	20
chr1	28411513	28411626	-	4	113	4	3	14
chr1	28415425	28415576	At1g75660	5	151	3	5	23
chr1	28418471	28418577	At1g75660	4	106	2	4	17
chr1	28419863	28419971	At1g75670	4	108	2	1	9
chr1	28429198	28429253	-	2	55	0	1	5
chr1	28434025	28434092	At1g75710	3	67	4	6	11
chr1	28455645	28455787	At1g75780	5	142	1	4	21
chr1	28472743	28472856	-	4	113	1	1	21
chr1	28496331	28496398	-	3	67	2	3	13
chr1	28497781	28497849	At1g75890	3	68	2	2	17
chr1	28499203	28499314	-	4	111	1	2	17
chr1	28503096	28503222	At1g75900	4	126	5	1	15
chr1	28503683	28503899	At1g75900	7	216	8	7	26

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	28538253	28538320	At1g76030	3	67	3	2	16
chr1	28554017	28554094	At1g76080	3	77	7	7	4
chr1	28554903	28555009	-	4	106	5	5	8
chr1	28556669	28556738	At1g76090	3	69	0	1	11
chr1	28562062	28562309	At1g76110	8	247	7	8	27
chr1	28564044	28564188	At1g76120	5	144	3	8	15
chr1	28564552	28564706	At1g76120	5	154	3	6	10
chr1	28567558	28567614	At1g76130	2	56	4	2	8
chr1	28583053	28583124	At1g76160	3	71	5	8	7
chr1	28589674	28589782	At1g76170	4	108	1	2	16
chr1	28602074	28602150	-	3	76	0	1	5
chr1	28603588	28603670	-	3	82	1	1	8
chr1	28604841	28604912	At1g76230	3	71	2	5	11
chr1	28606530	28606641	-	4	111	1	0	17
chr1	28619332	28619505	At1g76270	6	173	3	4	14
chr1	28627964	28628005	-	2	41	0	1	2
chr1	28633251	28633318	At1g76310	3	67	4	4	13
chr1	28655207	28655274	At1g76370	3	67	4	6	6
chr1	28665997	28666063	At1g76400	3	66	0	2	10
chr1	28669912	28669953	-	2	41	1	2	7
chr1	28672764	28672839	-	3	75	2	2	6
chr1	28677414	28677455	At1g76420	2	41	0	3	3
chr1	28693056	28693234	At1g76460	6	178	1	3	20
chr1	28704274	28704414	-	5	140	0	5	13
chr1	28706677	28706748	-	3	71	3	4	7
chr1	28714220	28714330	At1g76510	4	110	1	4	16
chr1	28714900	28715010	At1g76510	4	110	3	4	16
chr1	28715961	28716079	At1g76510	4	118	1	4	12
chr1	28717256	28717361	At1g76510	4	105	2	3	13
chr1	28726061	28726169	At1g76540	4	108	1	4	20
chr1	28734299	28734444	At1g76570	5	145	5	8	19
chr1	28737196	28737307	-	4	111	6	3	12
chr1	28738064	28738105	-	2	41	1	3	2
chr1	28738638	28738710	-	3	72	3	1	11
chr1	28753670	28753771	-	4	101	4	1	15
chr1	28754107	28754158	-	2	51	1	1	4
chr1	28761446	28761523	-	3	77	1	3	7
chr1	28766327	28766401	At1g76630	3	74	0	2	12
chr1	28771160	28771376	-	7	216	2	1	27
chr1	28773390	28773457	-	3	67	1	4	6
chr1	28782317	28782467	At1g76680	5	150	8	6	16
chr1	28782895	28782960	At1g76680	3	65	4	3	20
chr1	28809202	28809303	At1g76730	4	101	7	4	12
chr1	28812440	28812614	At1g76740	6	174	4	12	26
chr1	28813788	28813896	At1g76740	4	108	1	6	12
chr1	28815325	28815400	At1g76740	3	75	3	2	10
chr1	28815799	28815840	-	2	41	1	0	6
chr1	28822704	28822821	At1g76780	4	117	2	4	20
chr1	28824133	28824204	At1g76780	3	71	2	4	17
chr1	28826016	28826130	At1g76780	4	114	1	6	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	28828216	28828286	At1g76790	3	70	2	4	11
chr1	28837034	28837147	At1g76810	4	113	3	4	8
chr1	28853990	28854031	At1g76850	2	41	2	0	8
chr1	28855916	28855983	At1g76850	3	67	0	4	9
chr1	28862857	28862963	At1g76870	4	106	1	2	25
chr1	28871262	28871303	At1g76880	2	41	1	2	10
chr1	28872138	28872215	At1g76880	3	77	5	8	6
chr1	28884587	28884687	-	4	100	1	1	14
chr1	28886964	28887077	At1g76900	4	113	1	1	17
chr1	28892510	28892586	At1g76910	3	76	3	5	10
chr1	28898758	28898834	-	3	76	0	1	9
chr1	28906440	28906551	-	4	111	3	1	11
chr1	28907988	28908056	At1g76940	3	68	1	3	14
chr1	28917484	28917587	-	4	103	4	7	14
chr1	28920720	28920791	-	3	71	1	1	3
chr1	28934103	28934175	-	3	72	1	3	15
chr1	28942315	28942413	-	3	98	1	1	9
chr1	28951156	28951227	At1g77020	3	71	4	4	11
chr1	28954570	28954716	-	5	146	2	2	22
chr1	28965615	28965753	At1g77090	5	138	6	13	15
chr1	28966921	28966965	-	2	44	2	1	9
chr1	28986696	28986805	-	4	109	4	3	15
chr1	28987991	28988093	-	4	102	3	7	13
chr1	28991839	28991916	At1g77140	3	77	1	4	9
chr1	28999798	28999871	-	3	73	1	1	9
chr1	29000262	29000309	At1g77145	2	47	3	2	3
chr1	29001293	29001400	At1g77145	4	107	4	4	16
chr1	29004295	29004361	At1g77170	3	66	5	2	18
chr1	29005914	29005981	At1g77180	3	67	1	3	12
chr1	29026998	29027070	At1g77250	3	72	0	1	11
chr1	29028926	29029039	At1g77260	4	113	1	7	13
chr1	29046546	29046687	At1g77300	5	141	1	5	20
chr1	29047931	29048071	At1g77300	5	140	1	6	17
chr1	29052556	29052630	At1g77300	3	74	1	5	10
chr1	29054481	29054523	-	2	42	0	0	4
chr1	29063438	29063512	At1g77320	3	74	2	4	11
chr1	29071113	29071215	-	4	102	0	2	11
chr1	29077523	29077623	At1g77360	4	100	3	5	12
chr1	29100791	29100897	-	4	106	5	7	16
chr1	29101824	29101897	At1g77440	3	73	0	2	15
chr1	29110464	29110565	At1g77460	4	101	3	2	20
chr1	29129537	29129645	At1g77500	4	108	2	6	25
chr1	29132019	29132273	At1g77510	8	254	3	4	40
chr1	29142095	29142166	At1g77530	3	71	2	3	16
chr1	29145495	29145599	At1g77550	4	104	1	6	14
chr1	29156161	29156299	At1g77590	5	138	4	10	14
chr1	29158255	29158327	At1g77600	3	72	4	6	7
chr1	29159710	29159819	At1g77600	4	109	7	4	12
chr1	29161689	29161868	At1g77600	6	179	4	1	22
chr1	29178335	29178478	-	5	143	2	5	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	29192425	29192466	-	2	41	0	1	8
chr1	29195402	29195446	At1g77670	2	44	1	1	6
chr1	29208751	29208822	-	3	71	1	0	13
chr1	29215028	29215170	-	5	142	3	3	23
chr1	29223492	29223635	-	5	143	1	3	15
chr1	29226338	29226480	At1g77740	5	142	3	6	32
chr1	29251893	29251964	At1g77770	3	71	2	6	10
chr1	29269373	29269442	-	3	69	4	2	11
chr1	29277699	29277766	At1g77850	3	67	6	7	7
chr1	29277914	29278049	At1g77850	5	135	8	10	22
chr1	29278229	29278336	At1g77850	4	107	3	4	22
chr1	29280213	29280325	At1g77850	4	112	5	3	6
chr1	29306146	29306193	At1g77930	2	47	4	1	6
chr1	29310235	29310306	At1g77940	3	71	5	2	16
chr1	29313110	29313215	At1g77950	4	105	3	2	15
chr1	29334437	29334502	-	3	65	2	0	9
chr1	29347947	29348026	At1g78030	2	79	3	4	4
chr1	29348936	29349006	-	3	70	3	3	9
chr1	29379009	29379085	At1g78090	3	76	4	3	7
chr1	29393200	29393340	At1g78100	5	140	13	10	18
chr1	29406750	29406837	At1g78130	3	87	0	4	14
chr1	29410955	29411097	At1g78150	5	142	1	8	17
chr1	29427280	29427393	-	4	113	6	1	15
chr1	29436065	29436209	At1g78230	5	144	4	9	17
chr1	29437350	29437491	At1g78230	5	141	3	5	14
chr1	29456475	29456618	At1g78270	5	143	8	3	12
chr1	29459622	29459694	At1g78280	3	72	2	2	14
chr1	29475572	29475643	At1g78330	3	71	2	7	9
chr1	29490109	29490184	At1g78370	3	75	1	1	18
chr1	29490768	29490845	-	3	77	0	1	7
chr1	29503476	29503548	At1g78400	3	72	1	4	14
chr1	29505254	29505357	-	4	103	2	2	15
chr1	29507880	29508064	At1g78410	6	184	6	3	20
chr1	29512904	29513012	-	4	108	0	0	18
chr1	29520277	29520379	-	4	102	2	1	13
chr1	29530509	29530579	At1g78480	3	70	3	4	7
chr1	29535763	29535841	-	3	78	2	1	9
chr1	29536947	29537020	At1g78500	3	73	3	4	18
chr1	29538738	29538813	At1g78500	3	75	2	4	14
chr1	29539496	29539607	At1g78500	4	111	6	5	15
chr1	29550361	29550468	At1g78550	4	107	2	7	16
chr1	29557721	29557900	At1g78580	6	179	3	6	22
chr1	29564507	29564607	At1g78580	4	100	2	4	12
chr1	29570005	29570116	At1g78590	4	111	4	3	17
chr1	29572524	29572669	At1g78600	5	145	0	5	26
chr1	29574264	29574336	At1g78610	3	72	3	1	9
chr1	29581350	29581422	At1g78630	3	72	1	1	17
chr1	29585196	29585412	At1g78640	7	216	8	9	25
chr1	29598850	29598994	At1g78680	5	144	7	14	16
chr1	29607481	29607664	-	6	183	3	3	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	29609107	29609148	At1g78710	2	41	1	0	10
chr1	29611750	29611825	At1g78720	3	75	6	6	9
chr1	29612404	29612472	-	3	68	2	1	9
chr1	29623261	29623335	At1g78770	3	74	1	4	14
chr1	29631756	29631825	At1g78800	3	69	0	3	12
chr1	29648966	29649037	-	3	71	3	1	8
chr1	29664559	29664703	At1g78895	5	144	8	4	28
chr1	29667068	29667172	At1g78900	4	104	4	6	16
chr1	29671369	29671445	At1g78910	3	76	0	1	19
chr1	29672806	29672876	At1g78915	3	70	1	2	4
chr1	29673707	29673814	At1g78915	4	107	1	5	11
chr1	29682424	29682559	-	5	135	3	6	15
chr1	29683501	29683633	At1g78930	5	132	3	4	22
chr1	29685560	29685631	At1g78930	3	71	1	3	19
chr1	29690565	29690709	At1g78950	5	144	2	7	19
chr1	29694895	29695006	At1g78955	4	111	2	4	9
chr1	29699301	29699439	-	5	138	5	3	16
chr1	29702693	29702900	At1g78960	7	207	7	3	37
chr1	29718629	29718702	At1g78990	3	73	6	8	7
chr1	29737786	29737852	At1g79030	3	66	2	1	6
chr1	29746729	29746875	At1g79060	5	146	12	13	10
chr1	29752810	29752888	At1g79080	3	78	2	3	4
chr1	29758079	29758149	At1g79090	3	70	5	1	14
chr1	29759384	29759497	-	4	113	3	4	15
chr1	29765331	29765408	At1g79110	3	77	2	6	22
chr1	29768241	29768307	-	3	66	2	1	11
chr1	29770440	29770542	-	4	102	2	4	18
chr1	29776390	29776462	At1g79130	3	72	5	7	10
chr1	29777099	29777239	-	5	140	4	6	19
chr1	29778933	29779003	-	3	70	2	4	9
chr1	29780472	29780721	At1g79150	8	249	1	5	28
chr1	29788594	29788776	-	6	182	5	3	18
chr1	29792517	29792589	At1g79180	3	72	0	1	16
chr1	29794298	29794402	At1g79190	4	104	2	7	15
chr1	29801109	29801150	At1g79210	2	41	0	2	8
chr1	29805739	29805811	At1g79230	3	72	2	6	4
chr1	29808048	29808091	At1g79230	2	43	1	3	7
chr1	29808946	29809023	-	3	77	6	1	10
chr1	29810347	29810555	At1g79245	7	208	2	6	31
chr1	29823418	29823629	At1g79270	7	211	2	6	28
chr1	29825517	29825685	At1g79280	6	168	3	14	22
chr1	29828814	29828855	At1g79280	2	41	1	3	6
chr1	29829456	29829523	At1g79280	3	67	1	2	10
chr1	29833225	29833294	At1g79280	3	69	0	2	16
chr1	29836553	29836630	At1g79280	3	77	4	2	8
chr1	29843383	29843450	-	3	67	1	1	6
chr1	29856710	29856782	At1g79350	3	72	1	1	8
chr1	29860137	29860207	At1g79360	3	70	4	4	12
chr1	29864975	29865082	At1g79370	4	107	2	7	11
chr1	29868905	29869051	At1g79390	5	146	7	7	18

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	29885746	29885975	-	7	229	2	3	25
chr1	29886921	29887069	-	5	148	3	3	10
chr1	29892538	29892606	-	3	68	1	0	8
chr1	29894519	29894589	At1g79450	3	70	2	6	9
chr1	29897810	29897915	At1g79460	4	105	3	8	11
chr1	29900903	29900976	At1g79470	3	73	2	2	2
chr1	29909470	29909511	At1g79500	2	41	2	3	6
chr1	29912312	29912384	-	3	72	1	3	14
chr1	29913222	29913295	At1g79510	3	73	0	1	18
chr1	29925125	29925196	-	3	71	1	2	10
chr1	29936360	29936506	At1g79560	5	146	3	8	18
chr1	29938406	29938476	At1g79570	3	70	3	4	7
chr1	29948332	29948404	At1g79580	3	72	3	1	24
chr1	29948677	29948718	-	2	41	0	2	5
chr1	29959413	29959530	At1g79610	4	117	2	4	11
chr1	29974733	29974865	At1g79640	5	132	1	6	26
chr1	29984720	29984769	-	2	49	2	4	2
chr1	29987440	29987581	At1g79680	5	141	5	5	16
chr1	30000176	30000314	At1g79710	5	138	1	8	20
chr1	30008709	30008804	At1g79730	3	95	7	6	22
chr1	30010539	30010758	At1g79740	7	219	6	8	34
chr1	30013429	30013498	At1g79750	3	69	2	4	10
chr1	30021434	30021504	At1g79780	3	70	4	4	7
chr1	30023507	30023692	At1g79800	6	185	3	8	27
chr1	30038083	30038189	At1g79830	4	106	1	6	16
chr1	30063582	30063648	At1g79920	3	66	0	0	7
chr1	30064475	30064585	At1g79920	4	110	1	2	9
chr1	30064689	30064751	At1g79920	3	62	2	5	5
chr1	30068028	30068175	-	5	147	4	9	14
chr1	30068936	30069001	At1g79930	3	65	3	8	10
chr1	30072145	30072293	At1g79930	5	148	6	5	14
chr1	30082438	30082722	At1g79950	9	284	7	5	44
chr1	30085267	30085408	At1g79960	5	141	2	9	25
chr1	30088893	30089109	-	7	216	13	8	18
chr1	30095557	30095732	At1g79990	6	175	4	6	26
chr1	30106429	30106544	At1g80020	4	115	4	8	13
chr1	30110247	30110317	At1g80030	3	70	2	4	10
chr1	30112614	30112759	At1g80030	5	145	3	5	21
chr1	30114602	30114714	At1g80040	4	112	1	8	15
chr1	30126475	30126547	At1g80070	3	72	2	2	14
chr1	30142020	30142096	-	3	76	1	2	19
chr1	30156226	30156297	At1g80160	3	71	1	2	11
chr1	30161310	30161452	-	5	142	3	6	28
chr1	30167050	30167123	At1g80200	3	73	1	3	7
chr1	30167691	30167767	At1g80200	3	76	3	4	8
chr1	30178966	30179057	-	3	91	6	3	2
chr1	30181491	30181535	At1g80260	2	44	1	2	3
chr1	30183301	30183512	At1g80260	7	211	3	6	39
chr1	30188629	30188738	At1g80280	4	109	2	4	12
chr1	30190270	30190532	At1g80280	8	262	2	9	34

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr1	30193372	30193438	At1g80290	3	66	7	2	4
chr1	30199909	30199987	At1g80310	3	78	8	7	2
chr1	30206450	30206592	At1g80340	5	142	6	4	14
chr1	30223991	30224060	At1g80380	3	69	3	5	11
chr1	30237312	30237385	At1g80410	3	73	0	7	14
chr1	30239558	30239694	At1g80410	5	136	4	5	23
chr1	30241526	30241605	At1g80420	3	79	1	2	11
chr1	30245398	30245511	-	4	113	1	1	19
chr1	30247652	30247724	At1g80440	3	72	2	2	15
chr1	30252016	30252089	At1g80460	3	73	1	11	3
chr1	30252686	30252826	At1g80460	5	140	4	9	16
chr1	30254054	30254192	-	5	138	2	6	23
chr1	30267465	30267541	At1g80490	3	76	1	4	11
chr1	30279438	30279552	At1g80510	4	114	3	8	9
chr1	30290487	30290560	At1g80550	3	73	1	2	6
chr1	30293683	30293761	At1g80560	3	78	2	1	16
chr1	30304936	30305036	At1g80600	4	100	3	6	12
chr1	30315260	30315331	At1g80630	3	71	5	7	12
chr1	30324728	30324804	At1g80660	3	76	2	2	13
chr1	30326149	30326266	At1g80670	4	117	1	5	14
chr1	30331173	30331284	At1g80680	4	111	1	4	22
chr1	30344831	30344901	At1g80730	3	70	4	4	12
chr1	30362429	30362608	At1g80770	6	179	3	7	29
chr1	30366444	30366599	At1g80790	5	155	2	6	17
chr1	30367037	30367140	At1g80790	4	103	3	7	17
chr1	30371933	30372008	At1g80810	3	75	2	5	11
chr1	30372194	30372309	At1g80810	4	115	2	3	17
chr1	30375952	30376019	At1g80820	3	67	7	3	8
chr1	30378968	30379081	At1g80830	4	113	4	4	19
chr1	30394244	30394318	-	3	74	0	0	19
chr1	30395608	30395680	-	3	72	2	5	7
chr1	30403993	30404099	At1g80900	4	106	4	2	17
chr1	30405123	30405224	At1g80900	4	101	6	4	15
chr1	30409572	30409746	At1g80920	6	174	5	5	22
chr1	30427795	30427868	At1g80700	3	73	0	3	9
chr1	30429066	30429139	-	2	73	0	1	7
chr1	30430368	30430409	-	2	41	2	2	5
chr1	30431938	30432007	At1g81020	3	69	0	7	7
chr2	51848	51889	-	2	41	1	1	12
chr2	74364	74474	At2g01060	4	110	2	2	17
chr2	87897	87963	At2g01120	3	66	1	2	6
chr2	93502	93680	At2g01130	6	178	2	6	24
chr2	102466	102535	At2g01170	3	69	2	5	17
chr2	105194	105312	At2g01175	4	118	0	2	7
chr2	106333	106405	-	3	72	0	0	11
chr2	115888	115966	At2g01190	3	78	6	5	8
chr2	116983	117055	At2g01190	3	72	2	8	15
chr2	119712	119900	At2g01210	6	188	4	8	25
chr2	121320	121425	At2g01210	4	105	2	5	15
chr2	125366	125433	At2g01220	3	67	2	2	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	132668	132739	-	3	71	1	1	12
chr2	135997	136067	At2g01260	3	70	2	4	12
chr2	139227	139293	-	3	66	4	4	12
chr2	143882	144033	At2g01275	5	151	1	1	29
chr2	144882	144958	-	3	76	4	2	13
chr2	150009	150083	At2g01290	3	74	2	2	10
chr2	151440	151515	At2g01300	3	75	5	1	7
chr2	157139	157212	At2g01320	3	73	3	6	7
chr2	158340	158448	At2g01330	4	108	6	4	12
chr2	167002	167109	At2g01350	4	107	6	6	19
chr2	177925	178072	-	5	147	6	0	19
chr2	187781	187854	-	3	73	9	5	5
chr2	188616	188686	At2g01430	3	70	1	2	8
chr2	195617	195694	At2g01440	3	77	3	5	13
chr2	214404	214472	At2g01470	3	68	6	5	4
chr2	223745	223817	-	3	72	2	2	10
chr2	225694	225762	At2g01500	3	68	7	9	6
chr2	227689	227761	-	3	72	1	0	6
chr2	228418	228459	-	2	41	0	1	5
chr2	268066	268135	-	3	69	1	1	10
chr2	281942	282057	At2g01630	4	115	2	2	21
chr2	285414	285487	At2g01650	3	73	3	2	3
chr2	286219	286302	At2g01650	3	83	5	6	18
chr2	306849	306991	At2g01680	5	142	2	6	17
chr2	313381	313455	At2g01690	3	74	4	3	14
chr2	317533	317641	At2g01720	4	108	2	3	20
chr2	317862	317933	At2g01720	3	71	3	3	10
chr2	320053	320159	At2g01720	4	106	5	8	16
chr2	325267	325337	At2g01735	3	70	3	4	12
chr2	326215	326287	At2g01735	3	72	2	5	6
chr2	327940	328090	-	5	150	6	6	8
chr2	332888	333023	-	5	135	2	6	9
chr2	333216	333436	At2g01760	7	220	1	4	30
chr2	405596	405737	-	5	141	4	3	17
chr2	422745	422809	-	2	64	0	2	5
chr2	431076	431184	-	4	108	4	3	22
chr2	450417	450545	At2g01960	4	128	7	3	8
chr2	453296	453366	At2g01970	3	70	3	6	12
chr2	456488	456562	-	3	74	1	0	8
chr2	459805	459872	At2g01980	3	67	2	5	10
chr2	460681	460757	At2g01980	3	76	1	2	13
chr2	469899	470053	At2g02000	5	154	6	2	12
chr2	487031	487099	-	3	68	2	1	12
chr2	488177	488328	At2g02040	5	151	5	11	16
chr2	498487	498566	At2g02060	3	79	2	2	19
chr2	503620	503693	-	3	73	1	0	4
chr2	514315	514389	-	3	74	1	2	9
chr2	532825	532937	At2g02110	4	112	0	4	16
chr2	533748	533824	At2g02110	3	76	2	4	8
chr2	555433	555581	At2g02160	5	148	3	2	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	556697	556772	At2g02170	3	75	6	6	7
chr2	575337	575413	At2g07260	2	76	0	3	4
chr2	588546	588694	At2g14140	4	148	5	2	8
chr2	599322	599427	At2g02270	4	105	8	9	10
chr2	601277	601353	At2g02280	3	76	0	0	10
chr2	602010	602081	At2g14140	3	71	2	0	8
chr2	619347	619453	At2g14140	4	106	2	4	7
chr2	623186	623381	At2g02370	6	195	1	2	25
chr2	629525	629635	At2g02390	4	110	2	3	14
chr2	631451	631515	At2g02400	3	64	6	7	4
chr2	632104	632176	At2g02400	3	72	6	5	5
chr2	634277	634428	At2g02410	5	151	1	2	28
chr2	636281	636358	At2g02430	3	77	3	5	12
chr2	637889	638000	At2g14140	4	111	5	3	11
chr2	644695	644766	At2g14140	3	71	2	2	6
chr2	653548	653684	At2g02470	5	136	0	3	28
chr2	661137	661246	At2g02480	4	109	8	9	14
chr2	672102	672424	At2g02500	10	322	5	9	30
chr2	688543	688613	At2g02550	3	70	0	2	8
chr2	703213	703285	At2g02580	3	72	0	2	13
chr2	710036	710148	At2g14140	4	112	2	3	8
chr2	720960	721035	At2g14140	3	75	1	0	5
chr2	724981	725089	At2g02630	4	108	4	2	12
chr2	735747	735788	At2g02610	2	41	2	2	9
chr2	747878	747919	At2g02680	2	41	1	1	8
chr2	752300	752411	At2g14140	4	111	2	7	10
chr2	754638	754679	At2g14140	2	41	1	1	5
chr2	757204	757273	At2g02700	3	69	5	3	4
chr2	770870	770941	At2g02740	3	71	2	3	11
chr2	779289	779393	At2g02770	4	104	2	5	12
chr2	788922	789035	At2g02790	4	113	2	6	19
chr2	796434	796542	At2g02795	4	108	3	3	14
chr2	804319	804451	At2g14140	4	132	1	2	19
chr2	829520	829590	At2g02860	3	70	0	4	9
chr2	839366	839407	At2g02870	2	41	2	2	10
chr2	863522	863635	At2g02960	4	113	3	1	11
chr2	866519	866591	At2g02970	3	72	1	3	11
chr2	876441	876550	At2g03000	4	109	3	2	26
chr2	880260	880372	At2g03010	4	112	4	4	17
chr2	897902	897976	At2g14140	2	74	0	0	5
chr2	900340	900414	At2g03050	3	74	2	0	5
chr2	907731	907807	At2g03070	3	76	0	2	14
chr2	915731	915807	At2g14140	3	76	2	3	13
chr2	927139	927281	At2g03100	5	142	1	5	13
chr2	937354	937424	At2g14140	3	70	3	2	5
chr2	937793	937900	At2g03120	4	107	1	3	25
chr2	939719	939866	At2g03120	5	147	4	7	14
chr2	940234	940493	At2g03120	8	259	2	6	37
chr2	949416	949488	At2g03140	3	72	1	4	15
chr2	950140	950218	At2g14140	3	78	2	2	15

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	956415	956483	At2g03150	3	68	0	3	14
chr2	958545	958623	At2g03150	3	78	2	5	7
chr2	968750	968818	At2g03210	3	68	0	4	10
chr2	971694	971800	At2g03220	4	106	0	4	17
chr2	977485	977587	At2g14140	4	102	2	1	7
chr2	985139	985252	At2g03250	4	113	6	3	12
chr2	996665	996737	At2g03280	3	72	2	2	9
chr2	997623	997767	At2g03280	5	144	0	4	11
chr2	1019388	1019498	At2g14140	4	110	1	1	14
chr2	1020209	1020325	At2g03350	4	116	2	2	13
chr2	1033948	1034025	At2g03410	3	77	6	4	13
chr2	1043852	1044075	At2g03460	7	223	7	10	17
chr2	1054895	1055002	At2g14140	4	107	1	3	18
chr2	1068758	1068865	At2g03510	4	107	1	8	10
chr2	1072599	1072668	At2g03530	3	69	2	3	8
chr2	1076989	1077060	At2g14140	3	71	3	0	1
chr2	1079547	1079634	At2g14140	3	87	1	1	7
chr2	1082560	1082606	At2g14140	2	46	1	1	6
chr2	1082853	1082898	At2g14140	2	45	3	2	4
chr2	1083607	1083683	At2g14140	3	76	0	0	9
chr2	1095615	1095727	At2g03590	4	112	3	8	12
chr2	1108383	1108529	At2g14140	5	146	1	2	12
chr2	1117434	1117483	At2g14140	2	49	1	1	6
chr2	1130682	1130828	At2g03710	5	146	0	2	18
chr2	1131324	1131396	At2g03710	3	72	0	5	8
chr2	1132977	1133045	At2g03720	3	68	4	3	18
chr2	1140945	1140988	At2g14140	2	43	2	2	3
chr2	1149792	1149905	At2g03760	4	113	7	6	8
chr2	1152760	1152854	At2g03780	3	94	3	1	13
chr2	1157276	1157350	At2g03800	3	74	2	3	19
chr2	1157886	1157958	At2g03800	3	72	0	2	10
chr2	1160381	1160528	At2g14140	5	147	2	2	13
chr2	1160679	1160720	At2g14140	2	41	0	0	9
chr2	1161435	1161506	At2g03810	3	71	0	1	20
chr2	1183063	1183209	At2g03880	5	146	1	6	19
chr2	1191302	1191343	At2g14140	2	41	1	2	8
chr2	1202192	1202268	At2g03920	3	76	1	1	10
chr2	1214738	1214842	At2g14140	4	104	2	4	14
chr2	1238392	1238461	At2g14140	3	69	2	4	6
chr2	1248153	1248251	At2g03960	3	98	3	1	7
chr2	1259141	1259206	At2g14140	3	65	1	0	9
chr2	1274921	1274996	At2g04020	3	75	4	7	10
chr2	1276237	1276306	At2g14140	3	69	4	0	12
chr2	1283995	1284066	At2g04030	3	71	1	2	17
chr2	1298159	1298263	At2g14140	4	104	1	0	7
chr2	1299451	1299602	At2g04042	5	151	1	1	24
chr2	1314683	1314727	At2g14140	2	44	1	0	4
chr2	1329871	1329948	At2g04036	3	77	2	1	11
chr2	1332425	1332503	At2g14140	3	78	1	1	9
chr2	1351445	1351523	At2g14140	3	78	1	0	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	1363656	1363730	At2g04090	3	74	1	3	14
chr2	1364525	1364631	At2g04090	4	106	10	9	12
chr2	1381277	1381385	At2g14140	4	108	0	3	7
chr2	1418997	1419108	At2g04170	4	111	4	11	8
chr2	1433451	1433594	At2g04200	5	143	2	1	29
chr2	1437066	1437148	-	3	82	1	4	14
chr2	1443539	1443653	At2g14140	4	114	1	3	11
chr2	1450424	1450536	At2g04235	4	112	2	3	18
chr2	1462942	1463018	At2g14140	3	76	0	3	11
chr2	1465096	1465178	At2g14140	3	82	1	1	14
chr2	1490905	1490974	At2g14140	3	69	0	1	16
chr2	1499627	1499703	At2g14140	3	76	0	1	11
chr2	1502993	1503096	At2g04305	4	103	3	6	11
chr2	1514529	1514599	At2g04340	3	70	2	2	14
chr2	1515333	1515433	At2g04340	4	100	1	5	19
chr2	1517923	1518070	At2g04350	5	147	0	4	25
chr2	1532265	1532337	At2g04400	3	72	1	2	14
chr2	1538928	1539008	At2g14140	3	80	2	2	14
chr2	1543937	1544268	At2g04450	10	331	5	7	54
chr2	1548588	1548665	At2g14140	3	77	2	3	6
chr2	1568026	1568124	At2g14140	4	98	2	1	9
chr2	1585857	1585959	At2g14140	4	102	4	6	13
chr2	1612067	1612216	At2g04620	5	149	3	5	9
chr2	1619700	1619773	At2g04630	3	73	3	2	9
chr2	1623879	1623942	At2g04650	3	63	2	4	3
chr2	1625099	1625169	At2g04660	3	70	2	2	11
chr2	1626312	1626415	At2g04660	4	103	0	6	10
chr2	1629133	1629273	At2g04660	5	140	0	0	21
chr2	1641383	1641453	At2g04680	3	70	3	3	10
chr2	1644868	1644934	At2g04690	3	66	0	1	13
chr2	1648573	1648641	At2g14140	3	68	0	2	6
chr2	1648793	1648899	At2g14140	4	106	5	1	18
chr2	1677213	1677290	At2g04780	3	77	1	3	12
chr2	1686188	1686292	At2g14140	4	104	2	2	11
chr2	1689312	1689380	At2g04810	3	68	2	1	17
chr2	1697141	1697389	At2g04840	8	248	16	8	23
chr2	1703362	1703543	At2g04845	6	181	3	4	20
chr2	1715238	1715312	At2g14140	3	74	4	3	7
chr2	1742341	1742470	At2g14140	4	129	0	2	20
chr2	1757484	1757528	At2g14140	2	44	2	0	9
chr2	1795655	1795826	At2g14140	6	171	1	2	22
chr2	1819244	1819314	At2g05090	3	70	0	2	9
chr2	1845361	1845438	At2g05120	3	77	0	2	11
chr2	1852534	1852614	At2g14140	3	80	0	3	5
chr2	1853732	1853910	At2g14140	6	178	1	6	19
chr2	1854379	1854487	At2g05140	4	108	2	4	20
chr2	1856283	1856354	At2g14140	3	71	0	0	18
chr2	1859869	1859975	At2g05160	4	106	1	9	7
chr2	1870196	1870266	At2g05170	3	70	2	4	4
chr2	1892533	1892607	At2g04395	3	74	2	3	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	1906150	1906264	At2g14140	4	114	3	3	12
chr2	1919998	1920105	At2g05260	4	107	3	2	16
chr2	1943331	1943442	At2g14140	4	111	1	0	18
chr2	1958122	1958197	At2g05360	3	75	0	2	8
chr2	1966542	1966621	At2g14140	3	79	3	4	10
chr2	1978207	1978352	At2g05410	5	145	3	7	23
chr2	1979645	1979755	At2g14140	4	110	3	1	15
chr2	1985147	1985259	At2g05420	4	112	2	5	21
chr2	2035430	2035573	At2g14140	5	143	3	1	5
chr2	2070129	2070209	-	3	80	3	3	11
chr2	2080677	2080752	-	3	75	2	2	12
chr2	2085100	2085161	-	2	61	1	0	7
chr2	2105763	2105923	-	5	160	3	4	17
chr2	2118832	2118950	-	4	118	0	0	19
chr2	2119855	2119919	-	3	64	1	0	9
chr2	2129929	2130104	-	5	175	0	1	9
chr2	2141325	2141401	-	3	76	3	2	13
chr2	2166499	2166641	-	5	142	3	2	23
chr2	2169674	2169718	-	2	44	0	2	9
chr2	2170832	2170908	-	3	76	8	4	4
chr2	2171588	2171731	-	5	143	0	3	24
chr2	2172999	2173110	-	4	111	5	2	17
chr2	2181231	2181304	-	3	73	2	2	12
chr2	2182924	2182993	-	3	69	0	2	17
chr2	2214312	2214419	-	4	107	1	3	7
chr2	2222671	2222712	-	2	41	0	0	4
chr2	2227792	2227869	-	3	77	2	2	16
chr2	2235170	2235284	-	4	114	0	6	12
chr2	2244346	2244418	-	3	72	2	3	12
chr2	2256814	2256888	-	3	74	3	3	14
chr2	2270671	2270774	-	4	103	4	8	9
chr2	2287612	2287726	-	4	114	6	3	21
chr2	2289491	2289532	-	2	41	0	0	9
chr2	2300324	2300396	-	3	72	1	1	13
chr2	2301594	2301668	-	3	74	0	2	7
chr2	2323234	2323306	-	3	72	0	5	17
chr2	2326409	2326474	-	3	65	4	3	14
chr2	2344337	2344399	-	2	62	0	0	7
chr2	2350169	2350244	-	3	75	6	5	5
chr2	2352561	2352634	-	3	73	3	6	11
chr2	2353920	2354027	-	4	107	2	7	8
chr2	2359640	2359794	-	5	154	6	8	15
chr2	2364595	2364845	-	8	250	3	5	37
chr2	2391770	2391838	-	3	68	3	3	10
chr2	2427337	2427406	-	3	69	0	0	13
chr2	2460502	2460622	-	4	120	2	1	7
chr2	2469753	2469930	-	6	177	1	1	28
chr2	2488656	2488727	-	2	71	0	1	11
chr2	2515333	2515431	-	4	98	3	3	22
chr2	2518348	2518408	-	2	60	2	0	4

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	2524096	2524208	-	4	112	1	2	23
chr2	2550028	2550100	-	2	72	1	1	5
chr2	2587328	2587399	-	3	71	2	2	16
chr2	2609994	2610098	-	4	104	2	4	14
chr2	2654268	2654313	-	2	45	1	1	10
chr2	2656604	2656711	-	4	107	1	2	12
chr2	2664884	2664950	-	2	66	0	1	9
chr2	2699630	2699742	-	4	112	2	4	19
chr2	2704208	2704299	-	3	91	3	1	15
chr2	2716343	2716417	-	3	74	0	2	12
chr2	2761115	2761222	-	4	107	1	0	26
chr2	2762141	2762217	-	3	76	2	2	11
chr2	2810923	2811002	-	3	79	3	0	14
chr2	2820459	2820500	-	2	41	0	0	4
chr2	2838194	2838235	-	2	41	1	2	7
chr2	2851398	2851499	-	4	101	0	1	12
chr2	2859593	2859700	-	4	107	1	6	17
chr2	2860493	2860600	-	4	107	2	5	18
chr2	2871096	2871140	-	2	44	2	0	4
chr2	2877716	2877787	-	3	71	0	2	16
chr2	2895953	2896025	-	3	72	2	2	17
chr2	2901531	2901572	-	2	41	4	1	6
chr2	2908188	2908261	-	3	73	0	0	8
chr2	2918802	2918892	-	3	90	4	1	14
chr2	2925458	2925530	-	3	72	0	5	7
chr2	2926178	2926320	-	5	142	2	1	37
chr2	2928145	2928259	-	4	114	1	2	11
chr2	2928645	2928819	-	6	174	4	9	19
chr2	2942773	2942878	-	4	105	1	4	19
chr2	2960471	2960541	-	3	70	2	2	13
chr2	2979041	2979152	-	4	111	1	5	12
chr2	3015573	3015703	-	3	130	1	0	7
chr2	3018210	3018284	-	2	74	1	1	4
chr2	3040446	3040487	-	2	41	0	0	3
chr2	3042473	3042550	-	3	77	1	3	9
chr2	3046894	3046962	-	3	68	4	6	12
chr2	3055360	3055470	-	4	110	2	3	15
chr2	3095039	3095122	-	3	83	1	2	11
chr2	3096374	3096448	-	3	74	0	1	11
chr2	3097559	3097619	-	2	60	0	1	8
chr2	3101942	3102013	-	3	71	1	3	20
chr2	3104658	3104730	-	3	72	3	2	9
chr2	3129159	3129390	-	7	231	1	5	29
chr2	3143903	3144045	-	4	142	2	6	14
chr2	3166201	3166275	-	3	74	1	3	12
chr2	3166941	3167127	-	6	186	4	2	13
chr2	3171180	3171254	-	3	74	2	3	8
chr2	3199240	3199390	-	5	150	1	3	17
chr2	3203981	3204034	-	2	53	1	2	4
chr2	3213552	3213694	-	4	142	4	1	5

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	3280545	3280620	-	3	75	2	1	17
chr2	3302493	3302567	-	3	74	1	6	7
chr2	3316873	3316949	-	3	76	1	3	11
chr2	3409416	3409489	-	3	73	0	5	8
chr2	3431677	3431752	-	3	75	1	3	17
chr2	3480568	3480639	-	3	71	3	3	12
chr2	3500315	3500389	-	3	74	3	1	14
chr2	3514358	3514433	-	3	75	1	2	3
chr2	3518762	3518842	-	3	80	1	1	13
chr2	3522572	3522714	-	5	142	1	4	16
chr2	3525386	3525463	-	3	77	1	2	7
chr2	3553642	3553712	-	3	70	0	0	13
chr2	3597698	3597845	-	5	147	0	5	18
chr2	3606574	3606615	-	2	41	1	0	5
chr2	3624547	3624627	-	3	80	3	3	12
chr2	3655929	3656078	-	5	149	3	5	17
chr2	3660101	3660212	-	3	111	1	0	11
chr2	3667073	3667148	-	3	75	2	6	13
chr2	3679174	3679315	-	5	141	2	2	22
chr2	3766985	3767062	-	3	77	3	2	14
chr2	3788594	3788670	-	3	76	6	4	11
chr2	3791264	3791333	-	3	69	2	0	15
chr2	3814221	3814297	-	3	76	1	6	10
chr2	3817072	3817182	-	4	110	2	6	14
chr2	3832245	3832354	-	4	109	4	0	15
chr2	3836563	3836629	-	3	66	0	1	17
chr2	3844535	3844689	-	5	154	2	5	22
chr2	3848434	3848506	-	3	72	0	1	14
chr2	3850075	3850180	-	4	105	0	5	9
chr2	3863577	3863718	-	3	141	0	0	10
chr2	3866700	3866811	-	4	111	2	5	20
chr2	3867507	3867573	-	3	66	0	6	16
chr2	3896427	3896500	-	3	73	3	1	15
chr2	3901525	3901566	-	2	41	1	2	5
chr2	3916304	3916411	-	4	107	3	5	16
chr2	3920774	3920815	-	2	41	0	0	4
chr2	3921148	3921251	-	4	103	2	0	12
chr2	3925467	3925570	-	4	103	0	3	16
chr2	3936322	3936420	-	4	98	0	1	21
chr2	3940939	3941044	-	4	105	0	2	11
chr2	3953045	3953117	-	3	72	1	7	8
chr2	3970381	3970484	-	4	103	0	3	17
chr2	3984170	3984241	-	3	71	1	1	10
chr2	4007385	4007460	-	3	75	1	4	5
chr2	4016299	4016371	-	3	72	1	4	6
chr2	4023150	4023335	-	6	185	2	5	22
chr2	4034062	4034160	-	3	98	2	2	10
chr2	4039505	4039576	-	3	71	3	4	11
chr2	4055956	4055997	-	2	41	0	0	3
chr2	4062196	4062306	-	4	110	2	9	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	4071490	4071601	-	4	111	0	4	22
chr2	4076176	4076244	-	3	68	1	1	7
chr2	4081254	4081403	-	5	149	1	2	23
chr2	4119710	4119751	-	2	41	0	2	12
chr2	4134479	4134587	-	4	108	1	2	20
chr2	4134673	4134749	-	3	76	0	1	6
chr2	4143854	4143930	-	3	76	0	2	9
chr2	4158610	4158676	-	3	66	1	2	11
chr2	4214696	4214799	-	4	103	0	2	13
chr2	4215845	4215920	-	3	75	2	4	14
chr2	4242700	4242840	-	5	140	2	6	24
chr2	4253655	4253696	-	2	41	2	2	3
chr2	4254022	4254095	-	3	73	1	4	10
chr2	4324245	4324364	-	4	119	0	3	12
chr2	4350566	4350635	-	3	69	0	4	13
chr2	4353815	4353927	-	4	112	1	1	17
chr2	4388773	4388829	-	2	56	0	2	8
chr2	4394253	4394298	-	2	45	0	2	4
chr2	4403694	4403771	-	2	77	1	2	8
chr2	4410561	4410713	-	5	152	1	3	14
chr2	4425391	4425466	-	3	75	3	5	4
chr2	4438197	4438269	-	3	72	2	4	13
chr2	4439995	4440072	-	3	77	1	2	15
chr2	4448602	4448719	-	4	117	0	1	18
chr2	4453164	4453272	-	4	108	3	4	20
chr2	4484986	4485241	-	8	255	7	11	31
chr2	4486849	4487000	-	5	151	2	8	25
chr2	4487759	4487858	-	4	99	2	6	11
chr2	4493764	4493878	-	4	114	2	4	24
chr2	4514547	4514625	-	3	78	0	0	15
chr2	4532276	4532418	-	5	142	3	4	8
chr2	4544712	4544784	-	3	72	0	0	24
chr2	4577125	4577204	-	3	79	2	1	13
chr2	4586854	4586926	-	3	72	2	3	15
chr2	4600410	4600481	-	3	71	1	3	8
chr2	4617612	4617686	-	3	74	1	2	8
chr2	4626120	4626226	-	4	106	0	3	18
chr2	4640456	4640531	-	3	75	3	3	6
chr2	4662181	4662288	-	4	107	4	1	9
chr2	4685647	4685714	-	3	67	1	1	15
chr2	4686003	4686084	-	3	81	0	3	10
chr2	4686460	4686540	-	3	80	0	1	10
chr2	4687258	4687397	-	5	139	0	7	19
chr2	4688579	4688690	-	4	111	0	1	21
chr2	4692655	4692723	-	3	68	0	3	13
chr2	4715739	4715825	-	3	86	1	4	6
chr2	4737402	4737508	-	4	106	3	2	16
chr2	4750566	4750636	-	3	70	1	1	21
chr2	4776541	4776686	-	5	145	0	5	9
chr2	4781451	4781525	-	3	74	1	1	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	4798331	4798404	-	3	73	2	1	8
chr2	4809740	4809815	-	3	75	1	4	10
chr2	4813597	4813934	-	10	337	1	4	32
chr2	4842838	4842986	-	5	148	3	8	15
chr2	4850321	4850436	-	4	115	1	4	14
chr2	4864264	4864326	-	3	62	1	1	13
chr2	4912632	4912698	-	3	66	0	1	20
chr2	4931537	4931607	-	3	70	3	3	7
chr2	4952743	4952851	-	4	108	1	1	21
chr2	4959973	4960042	-	2	69	0	1	14
chr2	4961183	4961357	-	6	174	0	5	32
chr2	4981631	4981705	-	3	74	1	4	8
chr2	5002592	5002665	-	3	73	1	4	16
chr2	5004734	5004803	-	3	69	0	1	13
chr2	5013208	5013314	-	4	106	1	2	16
chr2	5019429	5019542	-	4	113	0	1	21
chr2	5030759	5030835	-	3	76	0	3	10
chr2	5036578	5036654	-	3	76	1	0	15
chr2	5057594	5057664	-	3	70	3	0	5
chr2	5059199	5059268	-	3	69	2	2	11
chr2	5068780	5068896	-	4	116	2	6	12
chr2	5120222	5120282	-	2	60	1	2	6
chr2	5124798	5124907	-	4	109	2	3	18
chr2	5151222	5151294	-	3	72	1	0	17
chr2	5152701	5152845	-	4	144	0	0	24
chr2	5302533	5302605	-	3	72	0	2	15
chr2	5334143	5334286	-	5	143	3	3	23
chr2	5350076	5350149	-	2	73	2	2	11
chr2	5360729	5360770	-	2	41	0	3	12
chr2	5372569	5372658	-	3	89	2	5	18
chr2	5395836	5395947	-	4	111	0	3	20
chr2	5414966	5415128	-	5	162	2	4	16
chr2	5427401	5427442	-	2	41	1	1	3
chr2	5436464	5436533	-	3	69	2	1	14
chr2	5446119	5446228	-	4	109	2	2	17
chr2	5510112	5510224	-	4	112	1	1	13
chr2	5541066	5541211	-	5	145	2	5	28
chr2	5547126	5547198	-	3	72	1	3	17
chr2	5551553	5551705	-	5	152	6	13	16
chr2	5554426	5554494	-	3	68	2	5	8
chr2	5560569	5560689	-	4	120	1	3	8
chr2	5562576	5562651	-	3	75	1	1	10
chr2	5602181	5602293	-	4	112	2	5	14
chr2	5602902	5602972	-	3	70	1	3	14
chr2	5604968	5605075	-	4	107	6	6	14
chr2	5623923	5624037	-	4	114	2	2	14
chr2	5628721	5628833	-	4	112	0	2	22
chr2	5641144	5641218	-	3	74	0	1	7
chr2	5663888	5663961	-	3	73	1	2	8
chr2	5672243	5672319	-	3	76	1	4	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	5686705	5686852	-	5	147	10	6	9
chr2	5695778	5695851	-	3	73	1	3	10
chr2	5697741	5697843	-	4	102	3	4	23
chr2	5701293	5701366	-	3	73	2	4	6
chr2	5702001	5702111	-	4	110	1	2	18
chr2	5705766	5705876	-	4	110	2	4	15
chr2	5711295	5711429	-	5	134	1	2	15
chr2	5721678	5721744	-	3	66	1	2	10
chr2	5733726	5733909	-	5	183	1	0	21
chr2	5746566	5746607	-	2	41	0	0	2
chr2	5747662	5747770	-	4	108	1	0	11
chr2	5752155	5752265	-	4	110	1	8	12
chr2	5781388	5781579	-	6	191	6	8	23
chr2	5831898	5831968	-	3	70	0	0	13
chr2	5858951	5859025	-	3	74	5	5	10
chr2	5872487	5872624	-	5	137	7	5	15
chr2	5882591	5882668	-	3	77	1	4	11
chr2	5897445	5897518	-	3	73	1	4	13
chr2	5920940	5921011	-	3	71	5	3	9
chr2	5921366	5921546	-	6	180	3	2	25
chr2	5950745	5950855	-	4	110	2	2	13
chr2	5954264	5954339	-	3	75	3	4	6
chr2	5976805	5976849	-	2	44	0	1	11
chr2	5982929	5983031	-	4	102	4	3	12
chr2	5986065	5986136	-	3	71	4	5	9
chr2	5989508	5989617	-	4	109	1	3	14
chr2	5995834	5995899	-	2	65	1	2	12
chr2	6006310	6006417	-	4	107	0	3	13
chr2	6006526	6006632	-	4	106	1	2	19
chr2	6021714	6021827	-	4	113	7	4	13
chr2	6022785	6022826	-	2	41	0	1	5
chr2	6039631	6039778	-	5	147	10	8	20
chr2	6044032	6044073	-	2	41	2	2	4
chr2	6048380	6048523	-	5	143	4	3	13
chr2	6050039	6050113	-	3	74	1	3	6
chr2	6053903	6054005	-	4	102	1	0	16
chr2	6056707	6056779	-	3	72	1	1	8
chr2	6064628	6064730	-	4	102	3	2	19
chr2	6070639	6070713	-	3	74	2	8	10
chr2	6107729	6107775	-	2	46	0	0	4
chr2	6111453	6111523	-	3	70	2	0	7
chr2	6180992	6181255	-	8	263	7	8	31
chr2	6207437	6207486	-	2	49	1	0	2
chr2	6214029	6214108	-	3	79	2	0	11
chr2	6252327	6252399	-	3	72	2	2	12
chr2	6258087	6258158	-	3	71	0	0	8
chr2	6261704	6261812	-	4	108	1	7	12
chr2	6262370	6262485	-	4	115	0	1	29
chr2	6267308	6267415	-	4	107	5	3	16
chr2	6267992	6268101	-	4	109	1	1	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	6283170	6283343	-	6	173	8	14	22
chr2	6291408	6291521	-	4	113	3	5	13
chr2	6296786	6296864	-	3	78	2	3	9
chr2	6306199	6306310	-	4	111	3	2	20
chr2	6306750	6306862	-	4	112	3	2	21
chr2	6322644	6322715	-	3	71	2	1	8
chr2	6325592	6325665	-	3	73	1	2	9
chr2	6333365	6333470	-	4	105	0	1	11
chr2	6368629	6368775	-	5	146	8	1	18
chr2	6371445	6371625	-	6	180	8	5	16
chr2	6394862	6394935	-	3	73	2	4	17
chr2	6395605	6395715	-	4	110	1	4	15
chr2	6396930	6396971	-	2	41	2	2	11
chr2	6398770	6398885	-	4	115	2	3	8
chr2	6401526	6401567	-	2	41	1	3	4
chr2	6402388	6402462	-	3	74	1	1	8
chr2	6414545	6414622	-	3	77	2	5	11
chr2	6421972	6422020	-	2	48	1	0	9
chr2	6428841	6428912	-	3	71	1	3	12
chr2	6432768	6432915	-	5	147	0	5	29
chr2	6436773	6436840	-	3	67	0	0	4
chr2	6446211	6446261	-	2	50	1	2	7
chr2	6459600	6459670	-	3	70	4	6	11
chr2	6465816	6465958	-	4	142	1	3	23
chr2	6470230	6470342	-	4	112	3	3	20
chr2	6481152	6481193	-	2	41	1	0	6
chr2	6488068	6488140	-	3	72	0	0	7
chr2	6488739	6488879	-	5	140	2	2	7
chr2	6493915	6494060	-	5	145	2	3	18
chr2	6510372	6510481	-	4	109	2	5	18
chr2	6511621	6511693	-	3	72	3	3	14
chr2	6519217	6519321	-	4	104	0	3	25
chr2	6541915	6541956	-	2	41	2	1	4
chr2	6566017	6566120	-	4	103	0	1	22
chr2	6568422	6568465	-	2	43	2	1	2
chr2	6607182	6607250	-	3	68	1	0	12
chr2	6626425	6626601	-	6	176	2	4	18
chr2	6630623	6630768	At2g15250	5	145	1	9	17
chr2	6631613	6631721	At2g15250	4	108	0	4	9
chr2	6657190	6657261	At2g15300	3	71	4	6	4
chr2	6669422	6669499	-	3	77	0	0	6
chr2	6685539	6685595	-	2	56	1	2	5
chr2	6692084	6692163	At2g15345	3	79	2	1	20
chr2	6695054	6695221	-	5	167	2	3	10
chr2	6701084	6701132	-	2	48	0	0	3
chr2	6715356	6715423	At2g15360	3	67	2	3	11
chr2	6727795	6727869	At2g15410	3	74	2	2	12
chr2	6752264	6752306	-	2	42	0	0	6
chr2	6768791	6768863	At2g15490	3	72	0	2	5
chr2	6769766	6769833	At2g15490	2	67	1	2	4

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	6781534	6781722	At2g15530	6	188	4	10	31
chr2	6800767	6800814	-	2	47	0	1	6
chr2	6808256	6808333	-	3	77	4	1	9
chr2	6818270	6818311	At2g15620	2	41	2	3	12
chr2	6826150	6826249	-	4	99	3	3	11
chr2	6827696	6827809	-	4	113	1	3	19
chr2	6831650	6831891	At2g15660	8	241	5	7	31
chr2	6841028	6841101	At2g15695	3	73	1	3	8
chr2	6841581	6841731	At2g15695	5	150	3	10	19
chr2	6847798	6847875	At2g15700	3	77	0	1	19
chr2	6878057	6878106	-	2	49	0	0	3
chr2	6882227	6882303	-	3	76	5	1	9
chr2	6886999	6887040	At2g15790	2	41	2	1	2
chr2	6897703	6897771	-	3	68	0	2	7
chr2	6902113	6902221	-	4	108	4	2	17
chr2	6906881	6906988	At2g15840	4	107	2	2	14
chr2	6912786	6912931	At2g15860	5	145	4	5	24
chr2	6914916	6914986	At2g15860	3	70	1	4	9
chr2	6916456	6916637	At2g15860	6	181	5	8	18
chr2	6917975	6918117	At2g15870	5	142	3	2	14
chr2	6925518	6925585	At2g15880	3	67	3	6	25
chr2	6955051	6955102	-	2	51	0	1	8
chr2	6962203	6962308	At2g16000	4	105	0	5	16
chr2	6963596	6963736	At2g16000	5	140	1	7	19
chr2	7004775	7004816	At2g16120	2	41	2	2	10
chr2	7019141	7019214	-	3	73	5	3	11
chr2	7033015	7033127	-	4	112	3	6	12
chr2	7034151	7034222	At2g16210	3	71	1	2	7
chr2	7047146	7047216	At2g16250	3	70	1	1	16
chr2	7049215	7049256	At2g16250	2	41	0	4	7
chr2	7054259	7054470	At2g16270	7	211	2	9	14
chr2	7057980	7058052	-	3	72	0	2	3
chr2	7066372	7066479	At2g16290	4	107	4	6	9
chr2	7071608	7071757	-	5	149	6	3	15
chr2	7075625	7075668	-	2	43	2	2	5
chr2	7079896	7080031	-	5	135	1	0	8
chr2	7084108	7084186	At2g16360	3	78	2	1	10
chr2	7094089	7094231	At2g16380	5	142	4	6	22
chr2	7108752	7108827	At2g16400	3	75	1	3	9
chr2	7112653	7112762	-	4	109	1	2	10
chr2	7114438	7114511	At2g16405	3	73	0	2	13
chr2	7118317	7118492	-	5	175	1	1	7
chr2	7127207	7127274	-	3	67	1	1	16
chr2	7134787	7134928	At2g16440	5	141	4	5	14
chr2	7137785	7137900	-	4	115	4	3	18
chr2	7139274	7139384	At2g16450	4	110	2	5	12
chr2	7142620	7142692	At2g16460	3	72	4	2	18
chr2	7143365	7143435	-	3	70	1	3	4
chr2	7148009	7148120	At2g16480	4	111	5	7	15
chr2	7150760	7150865	At2g16485	4	105	0	7	5

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	7151080	7151265	At2g16485	6	185	1	8	6
chr2	7157739	7157802	At2g16500	2	63	0	1	5
chr2	7171097	7171164	At2g16530	3	67	1	3	10
chr2	7171329	7171437	At2g16530	4	108	6	10	10
chr2	7172526	7172602	-	3	76	1	1	9
chr2	7183386	7183459	-	2	73	0	2	8
chr2	7203933	7204043	-	4	110	5	1	8
chr2	7206641	7206709	At2g16595	3	68	2	2	14
chr2	7226055	7226158	At2g16660	4	103	5	3	14
chr2	7229771	7229824	-	2	53	1	1	9
chr2	7266728	7266769	-	2	41	1	0	5
chr2	7270246	7270387	At2g16730	5	141	2	3	13
chr2	7281649	7281725	At2g16750	3	76	1	0	17
chr2	7289214	7289286	At2g16780	3	72	2	4	11
chr2	7291307	7291379	At2g16790	3	72	2	5	10
chr2	7304110	7304219	-	4	109	2	3	21
chr2	7313254	7313425	-	6	171	1	3	16
chr2	7319563	7319704	-	5	141	2	7	13
chr2	7325577	7325719	-	5	142	4	4	37
chr2	7327434	7327540	-	4	106	6	4	10
chr2	7329047	7329114	-	3	67	2	4	11
chr2	7340339	7340472	-	5	133	3	7	29
chr2	7345446	7345524	-	3	78	1	7	8
chr2	7345898	7346041	-	5	143	0	2	19
chr2	7351050	7351196	-	5	146	1	5	16
chr2	7360917	7360983	-	3	66	5	2	5
chr2	7361490	7361568	-	3	78	0	1	17
chr2	7369383	7369525	-	5	142	1	2	26
chr2	7385907	7386051	-	5	144	5	3	18
chr2	7403719	7403857	-	5	138	4	6	16
chr2	7406803	7406951	-	5	148	3	3	31
chr2	7407061	7407128	-	3	67	1	1	23
chr2	7420408	7420515	-	4	107	3	5	22
chr2	7428803	7428869	-	3	66	1	0	18
chr2	7439241	7439371	-	4	130	3	2	12
chr2	7440650	7440725	-	3	75	1	3	13
chr2	7441485	7441623	-	5	138	1	3	20
chr2	7465984	7466096	-	4	112	1	3	10
chr2	7475856	7476001	-	5	145	2	6	22
chr2	7477377	7477484	-	4	107	1	4	17
chr2	7479415	7479486	-	3	71	2	1	14
chr2	7482677	7482859	-	6	182	5	7	25
chr2	7487086	7487244	-	5	158	5	9	17
chr2	7489664	7489733	-	3	69	0	5	11
chr2	7492598	7492758	-	5	160	3	4	9
chr2	7493973	7494190	-	7	217	7	7	9
chr2	7500058	7500126	-	3	68	4	4	6
chr2	7518734	7518914	-	6	180	3	7	22
chr2	7540545	7540621	-	3	76	1	2	14
chr2	7541718	7541789	-	3	71	2	4	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	7548279	7548350	-	3	71	2	2	9
chr2	7548891	7548965	-	3	74	2	3	8
chr2	7553676	7553747	-	3	71	4	1	11
chr2	7560712	7560784	-	3	72	0	0	12
chr2	7570648	7570755	-	4	107	0	0	17
chr2	7573902	7574038	-	3	136	2	2	3
chr2	7595063	7595104	At2g17470	2	41	0	3	6
chr2	7608048	7608155	At2g17490	4	107	1	4	14
chr2	7610496	7610571	-	3	75	4	3	3
chr2	7640990	7641069	-	3	79	2	1	9
chr2	7647626	7647700	-	3	74	2	1	3
chr2	7649726	7649839	At2g17560	4	113	0	3	13
chr2	7650688	7650735	At2g17560	2	47	3	0	14
chr2	7663538	7663607	-	3	69	3	1	7
chr2	7671826	7671903	At2g17620	3	77	1	2	14
chr2	7682095	7682196	At2g17670	4	101	2	3	16
chr2	7690271	7690345	At2g17690	3	74	6	4	13
chr2	7692061	7692134	At2g17695	3	73	3	8	8
chr2	7694432	7694581	At2g17700	5	149	4	6	13
chr2	7696072	7696244	At2g17700	5	172	4	3	18
chr2	7714423	7714496	At2g17740	3	73	3	4	12
chr2	7720068	7720177	-	4	109	5	0	10
chr2	7720675	7720737	At2g17760	3	62	3	2	14
chr2	7721194	7721262	At2g17760	3	68	0	2	16
chr2	7735290	7735367	At2g17785	3	77	2	2	13
chr2	7746949	7747022	-	3	73	4	3	8
chr2	7754705	7754814	At2g17820	4	109	0	2	14
chr2	7759946	7760021	-	3	75	0	2	10
chr2	7761412	7761492	-	3	80	5	2	11
chr2	7767957	7768025	-	3	68	4	4	14
chr2	7774181	7774257	At2g17880	3	76	3	4	7
chr2	7777717	7777828	At2g17890	4	111	3	1	11
chr2	7778046	7778151	At2g17890	4	105	5	5	10
chr2	7780584	7780654	At2g17900	3	70	0	2	12
chr2	7783038	7783147	At2g17900	4	109	2	6	8
chr2	7784322	7784457	-	5	135	2	7	10
chr2	7785227	7785300	-	3	73	0	3	15
chr2	7785694	7785771	At2g17910	3	77	0	6	14
chr2	7787274	7787315	At2g17910	2	41	0	1	10
chr2	7787607	7787676	At2g17910	3	69	0	2	12
chr2	7791332	7791388	At2g17920	2	56	0	2	4
chr2	7794335	7794405	At2g17930	3	70	1	3	8
chr2	7797332	7797506	At2g17930	6	174	3	9	30
chr2	7799334	7799375	At2g17930	2	41	1	0	7
chr2	7804907	7804975	At2g17930	3	68	3	3	13
chr2	7810584	7810653	At2g17940	3	69	6	6	12
chr2	7831076	7831182	-	4	106	5	6	17
chr2	7865172	7865278	At2g18080	4	106	2	6	11
chr2	7872313	7872381	At2g18090	3	68	1	4	12
chr2	7878338	7878482	At2g18100	5	144	3	3	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	7894945	7895016	At2g18140	3	71	5	7	11
chr2	7895737	7895907	At2g18140	6	170	10	7	24
chr2	7918351	7918453	At2g18180	4	102	2	5	17
chr2	7941433	7941474	-	2	41	4	2	9
chr2	7942255	7942368	-	4	113	3	3	7
chr2	7943443	7943584	At2g18240	5	141	4	8	27
chr2	7947718	7947819	At2g18250	4	101	1	3	16
chr2	7948808	7948874	-	3	66	5	3	9
chr2	7961276	7961429	At2g18300	5	153	0	5	23
chr2	7977422	7977526	At2g18340	4	104	2	5	26
chr2	7997062	7997173	At2g18400	4	111	0	4	12
chr2	8002153	8002228	-	3	75	3	2	3
chr2	8008155	8008230	-	3	75	2	4	10
chr2	8009010	8009083	At2g18460	3	73	4	4	3
chr2	8010171	8010358	At2g18465	6	187	5	8	22
chr2	8017555	8017625	At2g18480	3	70	5	3	5
chr2	8022762	8022868	-	4	106	3	2	15
chr2	8038097	8038387	-	9	290	2	12	28
chr2	8043711	8043784	-	3	73	4	6	11
chr2	8078848	8078919	At2g18590	3	71	2	1	21
chr2	8092051	8092124	-	3	73	2	2	17
chr2	8115178	8115260	-	3	82	1	1	8
chr2	8116557	8116709	At2g18700	5	152	7	4	14
chr2	8116852	8116993	At2g18700	5	141	4	2	26
chr2	8118241	8118311	At2g18700	3	70	1	2	19
chr2	8123881	8123960	At2g18720	3	79	2	1	14
chr2	8126047	8126115	At2g18730	3	68	6	5	7
chr2	8126689	8126800	At2g18730	4	111	3	5	27
chr2	8140941	8141157	-	7	216	5	10	31
chr2	8143796	8143865	-	3	69	2	4	11
chr2	8147062	8147164	At2g18790	4	102	5	7	10
chr2	8147518	8147593	At2g18790	3	75	6	7	7
chr2	8169223	8169295	At2g18850	3	72	0	2	18
chr2	8170724	8170794	At2g18850	3	70	1	1	3
chr2	8171658	8171804	At2g18860	5	146	0	6	26
chr2	8178099	8178172	At2g18876	3	73	0	2	11
chr2	8185499	8185575	At2g18880	3	76	0	4	10
chr2	8187534	8187604	-	3	70	1	2	9
chr2	8198389	8198462	At2g18900	3	73	0	3	9
chr2	8200870	8200911	At2g18910	2	41	0	0	7
chr2	8203191	8203295	At2g18915	4	104	3	3	21
chr2	8209768	8209809	-	2	41	0	2	9
chr2	8230301	8230627	At2g18960	10	326	5	9	54
chr2	8234849	8234923	-	3	74	2	2	10
chr2	8240072	8240184	-	4	112	0	1	14
chr2	8253772	8253911	-	5	139	5	4	11
chr2	8270979	8271089	At2g19080	4	110	1	2	24
chr2	8282898	8282970	-	3	72	0	0	8
chr2	8295099	8295170	At2g19120	3	71	2	2	18
chr2	8297095	8297165	At2g19120	3	70	1	2	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	8308138	8308281	At2g19140	5	143	0	3	24
chr2	8311950	8312063	-	4	113	0	2	11
chr2	8314894	8314969	-	3	75	0	0	12
chr2	8323242	8323338	At2g19170	4	96	1	7	14
chr2	8344377	8344449	At2g19210	3	72	1	4	7
chr2	8346837	8346907	-	3	70	0	2	11
chr2	8348080	8348145	At2g19220	3	65	2	4	15
chr2	8350900	8351109	-	7	209	2	12	26
chr2	8351944	8352085	At2g19230	5	141	4	8	13
chr2	8358033	8358183	At2g19240	5	150	2	6	17
chr2	8358761	8358828	At2g19240	3	67	4	2	10
chr2	8360419	8360595	At2g19250	6	176	7	10	13
chr2	8366340	8366563	At2g19260	7	223	3	9	18
chr2	8369848	8369925	At2g19280	3	77	2	3	11
chr2	8377767	8377887	-	4	120	6	1	12
chr2	8383302	8383450	At2g19350	5	148	10	6	15
chr2	8391736	8391804	At2g19380	3	68	0	0	17
chr2	8398087	8398128	At2g19390	2	41	1	3	6
chr2	8400592	8400664	At2g19390	3	72	0	6	18
chr2	8413951	8414022	At2g19410	3	71	5	4	13
chr2	8414919	8415031	At2g19410	4	112	3	5	11
chr2	8419978	8420019	At2g19420	2	41	1	0	4
chr2	8463194	8463266	At2g19520	3	72	5	6	9
chr2	8468164	8468232	At2g19530	3	68	2	8	15
chr2	8477738	8477811	At2g19570	3	73	6	4	1
chr2	8484006	8484108	At2g19590	4	102	0	6	12
chr2	8494766	8494834	At2g19620	3	68	0	1	9
chr2	8495274	8495417	At2g19620	5	143	1	3	15
chr2	8501741	8501886	At2g19650	5	145	12	8	19
chr2	8504297	8504373	At2g19660	3	76	3	1	13
chr2	8507435	8507542	At2g19670	4	107	2	4	3
chr2	8519048	8519187	At2g19730	5	139	0	2	32
chr2	8527759	8527831	At2g19770	3	72	2	4	16
chr2	8531246	8531309	-	3	63	1	2	22
chr2	8535288	8535478	At2g19790	6	190	0	3	22
chr2	8538560	8538670	At2g19800	4	110	2	2	10
chr2	8539864	8539982	At2g19800	4	118	1	3	11
chr2	8559553	8559628	-	3	75	3	1	15
chr2	8577678	8577785	-	4	107	2	4	5
chr2	8595419	8595489	At2g19890	3	70	2	1	13
chr2	8598761	8598907	-	5	146	2	1	24
chr2	8600866	8600936	At2g19900	3	70	2	3	12
chr2	8604457	8604527	At2g19910	3	70	1	3	13
chr2	8608234	8608378	-	5	144	0	4	12
chr2	8615698	8615925	At2g19930	7	227	1	9	31
chr2	8619874	8619991	-	4	117	11	8	10
chr2	8646693	8646767	At2g20010	3	74	3	4	9
chr2	8648417	8648487	At2g20010	3	70	2	3	10
chr2	8660348	8660462	At2g20050	4	114	1	5	10
chr2	8666903	8667048	At2g20060	5	145	1	7	22

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	8687644	8687750	At2g20100	4	106	0	1	12
chr2	8701862	8701934	At2g20140	3	72	2	2	16
chr2	8702482	8702594	At2g20142	4	112	4	4	12
chr2	8709018	8709074	At2g20170	2	56	0	0	6
chr2	8709465	8709612	At2g20170	5	147	1	6	20
chr2	8714783	8714844	-	2	61	0	0	9
chr2	8725194	8725267	At2g20190	3	73	2	3	7
chr2	8730753	8730820	At2g20210	3	67	3	4	6
chr2	8731404	8731590	At2g20210	6	186	4	8	14
chr2	8736578	8736619	At2g20240	2	41	0	6	3
chr2	8745027	8745101	At2g20270	3	74	2	5	5
chr2	8748614	8748690	At2g20280	3	76	1	2	6
chr2	8768579	8768650	At2g20310	3	71	3	8	11
chr2	8787032	8787154	At2g20340	4	122	3	6	11
chr2	8798359	8798475	-	4	116	1	2	8
chr2	8799570	8799710	At2g20370	5	140	2	3	16
chr2	8811535	8811698	-	5	163	8	6	21
chr2	8818857	8818930	At2g20440	3	73	3	3	7
chr2	8820315	8820429	At2g20440	4	114	2	5	6
chr2	8825248	8825319	At2g20460	3	71	2	3	14
chr2	8836439	8836511	At2g20470	3	72	1	5	7
chr2	8837527	8837599	-	3	72	2	2	9
chr2	8841797	8841931	At2g20495	4	134	3	4	18
chr2	8843509	8843581	At2g20510	3	72	0	5	9
chr2	8846025	8846137	At2g20515	4	112	8	4	10
chr2	8853205	8853355	At2g20550	5	150	5	9	16
chr2	8854112	8854212	At2g20550	4	100	2	7	14
chr2	8874832	8874907	At2g20590	3	75	0	1	11
chr2	8876749	8876825	-	3	76	3	2	6
chr2	8882593	8882676	-	3	83	0	0	12
chr2	8904447	8904623	At2g20630	6	176	3	9	19
chr2	8906326	8906436	At2g20630	4	110	0	1	7
chr2	8910958	8911038	At2g20650	3	80	0	3	16
chr2	8928408	8928516	At2g20680	4	108	4	3	16
chr2	8935721	8935795	At2g20720	3	74	2	3	8
chr2	8937030	8937212	At2g20720	6	182	7	5	13
chr2	8948733	8948882	At2g20750	5	149	11	13	6
chr2	8951520	8951592	At2g20760	3	72	0	4	6
chr2	8952073	8952341	At2g20760	8	268	9	7	33
chr2	8953015	8953126	At2g20770	4	111	2	4	24
chr2	8955688	8955830	At2g20780	5	142	8	12	16
chr2	8959150	8959216	At2g20790	3	66	2	2	12
chr2	8973316	8973457	At2g20825	5	141	4	6	17
chr2	8977315	8977459	At2g20830	5	144	5	9	17
chr2	8990992	8991109	-	4	117	0	1	21
chr2	8991935	8992001	-	3	66	2	2	9
chr2	9006763	9006839	At2g20920	3	76	1	6	10
chr2	9010384	9010456	At2g20950	3	72	1	3	17
chr2	9019356	9019430	At2g20980	3	74	2	2	7
chr2	9027218	9027294	At2g21000	3	76	2	1	20

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	9033236	9033300	-	3	64	4	8	13
chr2	9037230	9037280	-	2	50	0	0	6
chr2	9061030	9061133	At2g21120	4	103	3	2	17
chr2	9061420	9061492	At2g21120	3	72	5	5	7
chr2	9061786	9061931	-	5	145	3	3	15
chr2	9065580	9065622	-	2	42	0	1	7
chr2	9068691	9068759	At2g21140	3	68	7	3	3
chr2	9075262	9075366	-	4	104	3	2	19
chr2	9084199	9084348	-	5	149	2	2	20
chr2	9091499	9091608	-	4	109	1	3	28
chr2	9102860	9102931	At2g21230	3	71	7	7	15
chr2	9112271	9112384	-	4	113	4	4	16
chr2	9128822	9128996	-	6	174	3	3	19
chr2	9132262	9132368	At2g21310	4	106	3	3	26
chr2	9138810	9138884	-	3	74	1	1	14
chr2	9142692	9142769	At2g21340	3	77	0	2	10
chr2	9148215	9148283	-	2	68	0	1	5
chr2	9151202	9151308	At2g21380	4	106	0	2	17
chr2	9156548	9156636	-	3	88	1	2	8
chr2	9162964	9163040	At2g21390	3	76	3	6	9
chr2	9189864	9190049	-	6	185	3	3	25
chr2	9205766	9205876	At2g21470	4	110	6	5	9
chr2	9215975	9216055	At2g21500	3	80	0	4	8
chr2	9217875	9217942	At2g21510	3	67	4	5	7
chr2	9225235	9225341	At2g21520	4	106	4	4	22
chr2	9226819	9226888	At2g21530	3	69	1	3	15
chr2	9233946	9234017	-	3	71	2	3	11
chr2	9235090	9235165	At2g21550	3	75	2	5	14
chr2	9235827	9235891	At2g21550	2	64	0	0	7
chr2	9253485	9253597	At2g21610	4	112	3	3	19
chr2	9264000	9264077	-	3	77	1	4	10
chr2	9276359	9276506	-	5	147	1	5	16
chr2	9283132	9283199	At2g21720	3	67	3	4	16
chr2	9290371	9290547	-	6	176	5	7	21
chr2	9302641	9302714	At2g21790	3	73	2	3	6
chr2	9309197	9309267	-	3	70	1	2	8
chr2	9316244	9316318	At2g21840	3	74	2	2	7
chr2	9326792	9326903	At2g21860	4	111	6	6	11
chr2	9329085	9329155	At2g21870	3	70	3	1	13
chr2	9347446	9347600	-	5	154	0	2	17
chr2	9355454	9355519	At2g21930	3	65	2	3	7
chr2	9363044	9363120	At2g21960	3	76	2	3	15
chr2	9363780	9363929	At2g21960	5	149	1	9	10
chr2	9364645	9364712	At2g21970	3	67	4	3	6
chr2	9367207	9367269	At2g21990	2	62	1	3	10
chr2	9375843	9375921	At2g22010	3	78	3	3	9
chr2	9382102	9382180	At2g22040	3	78	0	2	16
chr2	9382772	9382848	At2g22040	3	76	0	3	12
chr2	9383085	9383263	At2g22040	6	178	4	9	20
chr2	9388010	9388090	-	3	80	1	2	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	9450575	9450684	At2g22200	4	109	6	6	10
chr2	9451146	9451214	At2g22200	3	68	2	5	18
chr2	9465607	9465648	At2g22250	2	41	0	1	4
chr2	9471857	9472086	At2g22270	7	229	5	8	30
chr2	9482423	9482498	At2g22300	3	75	0	3	9
chr2	9487423	9487487	At2g22320	3	64	0	1	9
chr2	9506958	9507031	At2g22360	3	73	4	5	15
chr2	9508177	9508252	At2g22370	3	75	3	6	9
chr2	9509531	9509591	-	2	60	2	2	10
chr2	9520684	9520753	At2g22420	3	69	1	2	10
chr2	9521431	9521578	At2g22420	5	147	0	2	35
chr2	9521819	9521924	-	4	105	2	4	11
chr2	9561423	9561529	At2g22490	4	106	1	7	11
chr2	9562778	9562852	At2g22490	3	74	6	2	12
chr2	9564929	9565063	-	5	134	0	1	17
chr2	9575392	9575484	-	3	92	5	2	11
chr2	9576680	9576754	At2g22510	3	74	2	5	21
chr2	9597326	9597398	At2g22570	3	72	0	4	11
chr2	9606495	9606564	-	3	69	4	3	5
chr2	9607179	9607254	At2g22610	3	75	2	5	16
chr2	9622947	9623090	-	5	143	5	2	18
chr2	9628284	9628353	At2g22630	3	69	1	2	12
chr2	9633832	9634017	At2g22650	6	185	5	7	34
chr2	9648167	9648239	-	3	72	0	0	3
chr2	9681531	9681572	-	2	41	3	2	6
chr2	9682243	9682356	-	4	113	3	1	12
chr2	9707768	9707893	-	4	125	3	5	11
chr2	9716105	9716183	-	2	78	2	1	6
chr2	9738677	9738726	-	2	49	0	3	4
chr2	9744135	9744203	-	3	68	4	3	9
chr2	9747721	9747832	At2g22870	4	111	5	3	19
chr2	9759261	9759337	At2g22910	3	76	1	2	14
chr2	9762347	9762420	At2g22920	3	73	3	3	10
chr2	9767058	9767208	At2g22930	5	150	4	9	19
chr2	9772497	9772538	-	2	41	0	1	1
chr2	9776304	9776408	At2g22950	4	104	3	4	19
chr2	9784417	9784458	At2g22970	2	41	0	0	5
chr2	9785875	9785945	-	3	70	3	1	12
chr2	9795868	9795944	At2g22990	3	76	3	0	14
chr2	9799404	9799583	At2g23000	5	179	3	3	24
chr2	9811762	9811813	At2g23030	2	51	1	0	5
chr2	9813599	9813672	At2g23030	3	73	3	3	7
chr2	9815272	9815342	At2g23040	3	70	3	6	6
chr2	9820366	9820472	At2g23060	4	106	10	7	11
chr2	9820967	9821031	At2g23060	3	64	4	2	12
chr2	9823159	9823423	-	8	264	7	4	27
chr2	9842659	9842726	At2g23096	3	67	1	4	13
chr2	9858983	9859093	-	4	110	5	5	12
chr2	9866001	9866049	-	2	48	2	1	4
chr2	9882934	9883123	At2g23180	6	189	1	2	25

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	9886422	9886637	At2g23200	7	215	9	11	11
chr2	9893204	9893275	At2g23220	3	71	1	4	12
chr2	9894042	9894111	-	3	69	1	2	5
chr2	9907609	9907721	At2g23260	4	112	3	5	10
chr2	9908345	9908554	At2g23260	7	209	2	3	41
chr2	9923194	9923265	At2g23300	3	71	6	2	14
chr2	9924427	9924468	-	2	41	0	1	3
chr2	9929266	9929338	-	3	72	4	1	7
chr2	9942389	9942454	-	3	65	2	2	9
chr2	9943626	9943667	-	2	41	1	0	9
chr2	9946001	9946188	-	6	187	3	4	15
chr2	9951333	9951591	At2g23350	8	258	5	8	47
chr2	9952245	9952310	At2g23350	3	65	0	2	8
chr2	9963629	9963743	At2g23380	4	114	2	6	22
chr2	9965829	9965935	At2g23380	4	106	2	6	15
chr2	9966782	9966858	At2g23380	3	76	0	4	13
chr2	9973325	9973396	At2g23410	3	71	4	3	10
chr2	9977317	9977499	-	6	182	4	3	21
chr2	9985240	9985342	-	4	102	6	4	18
chr2	10002310	10002470	-	5	160	6	6	6
chr2	10005219	10005325	At2g23460	4	106	2	6	13
chr2	10017137	10017204	-	3	67	1	2	11
chr2	10032885	10033068	At2g23540	6	183	9	4	30
chr2	10034088	10034155	-	3	67	1	3	9
chr2	10040074	10040115	-	2	41	1	1	6
chr2	10042219	10042287	At2g23590	3	68	1	1	7
chr2	10046445	10046520	-	3	75	1	0	8
chr2	10060946	10061053	At2g23630	4	107	3	2	9
chr2	10064985	10065073	At2g23640	3	88	1	1	10
chr2	10073529	10073603	At2g23680	3	74	1	0	10
chr2	10080963	10081029	At2g23690	3	66	3	1	12
chr2	10083689	10083791	At2g23700	4	102	3	3	11
chr2	10085111	10085327	At2g23700	7	216	5	9	36
chr2	10087830	10087905	-	3	75	1	1	13
chr2	10103344	10103406	-	3	62	0	3	8
chr2	10107546	10107652	At2g23740	4	106	4	5	14
chr2	10109075	10109150	-	3	75	3	8	9
chr2	10115033	10115110	At2g23760	3	77	2	1	11
chr2	10127839	10127987	At2g23770	5	148	6	3	22
chr2	10128370	10128481	At2g23770	4	111	4	5	26
chr2	10129568	10129639	-	3	71	3	3	9
chr2	10142590	10142660	-	3	70	0	3	8
chr2	10151764	10151832	-	3	68	0	2	4
chr2	10158526	10158605	-	3	79	0	0	10
chr2	10161722	10161831	At2g23840	4	109	2	7	12
chr2	10207402	10207467	At2g23970	3	65	2	2	11
chr2	10211989	10212081	-	3	92	4	2	14
chr2	10231973	10232075	-	4	102	1	3	10
chr2	10233252	10233365	At2g24050	4	113	5	11	17
chr2	10240279	10240347	At2g24070	3	68	1	2	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	10241147	10241218	At2g24070	3	71	0	3	11
chr2	10244363	10244436	-	3	73	0	3	11
chr2	10247574	10247728	-	5	154	3	8	16
chr2	10249925	10249997	At2g24090	3	72	1	2	17
chr2	10260984	10261057	At2g24120	3	73	1	2	7
chr2	10265416	10265524	At2g24130	4	108	7	3	17
chr2	10269888	10269932	At2g24140	2	44	0	0	5
chr2	10273032	10273109	At2g24150	3	77	6	3	17
chr2	10273513	10273585	At2g24150	3	72	1	0	9
chr2	10275714	10275980	At2g24160	8	266	3	2	38
chr2	10278078	10278151	-	3	73	1	2	16
chr2	10290124	10290193	At2g24180	3	69	3	2	15
chr2	10290368	10290614	At2g24180	8	246	7	7	44
chr2	10290785	10290889	At2g24180	4	104	1	4	14
chr2	10295149	10295287	At2g24200	5	138	4	7	13
chr2	10300754	10300823	-	3	69	2	0	8
chr2	10301662	10301741	At2g24210	3	79	2	2	14
chr2	10311971	10312117	-	5	146	1	6	15
chr2	10347603	10347644	-	2	41	0	3	4
chr2	10353410	10353472	At2g24320	3	62	3	1	12
chr2	10355830	10355939	At2g24330	4	109	1	7	7
chr2	10369505	10369617	At2g24350	4	112	1	7	13
chr2	10371320	10371434	At2g24350	4	114	2	5	11
chr2	10372482	10372623	At2g24360	5	141	4	6	17
chr2	10383690	10383760	-	3	70	2	4	10
chr2	10385093	10385240	At2g24400	5	147	2	8	20
chr2	10388202	10388352	At2g24420	5	150	6	5	18
chr2	10399984	10400162	At2g24440	6	178	6	6	21
chr2	10405261	10405355	At2g24480	3	94	0	2	12
chr2	10411934	10412004	At2g24510	3	70	1	2	15
chr2	10423048	10423119	At2g24520	3	71	0	0	9
chr2	10431041	10431142	-	4	101	2	6	16
chr2	10451838	10451916	-	3	78	2	2	10
chr2	10455231	10455304	-	3	73	1	1	7
chr2	10455599	10455671	-	3	72	0	0	16
chr2	10465855	10465960	At2g24610	4	105	3	7	11
chr2	10482781	10482852	At2g24640	3	71	3	7	13
chr2	10491031	10491072	At2g24650	2	41	1	2	7
chr2	10493477	10493616	At2g24650	5	139	4	9	5
chr2	10497836	10497879	At2g24660	2	43	2	0	6
chr2	10507766	10507807	At2g24690	2	41	0	0	8
chr2	10520447	10520522	At2g24700	3	75	1	3	12
chr2	10524896	10524969	At2g24710	3	73	1	2	20
chr2	10538903	10539011	At2g24740	4	108	1	5	24
chr2	10558106	10558175	-	3	69	1	2	10
chr2	10561305	10561409	-	3	104	3	2	9
chr2	10569243	10569320	-	3	77	1	2	9
chr2	10574718	10574857	At2g24790	5	139	10	9	28
chr2	10579057	10579166	At2g24800	4	109	1	4	14
chr2	10583666	10583808	At2g24820	5	142	3	13	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	10593711	10593960	-	8	249	6	5	30
chr2	10598309	10598416	-	4	107	1	2	14
chr2	10627882	10627949	At2g24970	3	67	3	3	4
chr2	10629448	10629562	-	4	114	0	0	21
chr2	10631780	10631883	-	4	103	2	2	12
chr2	10636818	10636917	-	4	99	4	2	10
chr2	10637295	10637361	At2g25000	3	66	3	5	11
chr2	10676288	10676398	At2g25080	4	110	3	3	15
chr2	10678159	10678262	At2g25090	4	103	4	2	16
chr2	10688000	10688073	At2g25100	3	73	0	2	8
chr2	10701684	10701765	-	3	81	4	1	9
chr2	10705027	10705099	At2g25140	3	72	3	4	5
chr2	10712609	10712678	-	3	69	3	6	10
chr2	10718087	10718132	At2g25160	2	45	4	5	5
chr2	10721782	10721855	At2g25170	3	73	1	2	14
chr2	10729591	10729733	At2g25170	5	142	4	5	19
chr2	10743493	10743598	-	4	105	2	3	9
chr2	10747132	10747242	At2g25210	4	110	4	4	11
chr2	10755552	10755663	-	4	111	0	2	14
chr2	10758295	10758336	-	2	41	1	2	6
chr2	10758945	10759022	At2g25240	3	77	1	5	7
chr2	10763182	10763223	At2g25260	2	41	1	2	7
chr2	10771644	10771710	At2g25280	3	66	2	3	8
chr2	10775463	10775596	At2g25290	4	133	9	6	14
chr2	10775699	10775773	-	3	74	2	1	15
chr2	10780023	10780126	At2g25300	4	103	0	5	20
chr2	10794863	10795046	At2g25320	6	183	10	7	20
chr2	10800846	10800954	At2g25340	4	108	11	2	9
chr2	10812126	10812268	At2g25360	5	142	3	3	25
chr2	10833968	10834044	At2g25440	3	76	4	6	10
chr2	10837510	10837614	At2g25450	4	104	6	3	13
chr2	10838359	10838426	At2g25450	3	67	4	0	7
chr2	10842689	10842798	-	4	109	3	3	12
chr2	10858003	10858074	-	3	71	2	1	13
chr2	10888506	10888573	At2g25560	3	67	1	0	16
chr2	10895943	10896024	At2g25580	3	81	2	3	21
chr2	10897916	10897986	-	3	70	2	2	10
chr2	10907277	10907353	At2g25605	3	76	2	5	5
chr2	10908642	10908715	At2g25610	3	73	2	3	10
chr2	10911833	10911945	At2g25620	4	112	6	5	9
chr2	10913256	10913328	-	3	72	6	2	12
chr2	10923740	10923813	At2g25660	3	73	2	5	10
chr2	10929641	10929753	At2g25660	4	112	2	4	3
chr2	10944253	10944363	-	4	110	2	3	13
chr2	10951859	10951926	-	2	67	2	1	3
chr2	10952287	10952434	-	5	147	7	5	9
chr2	10954290	10954392	-	4	102	1	3	8
chr2	10964960	10965031	At2g25730	3	71	4	1	8
chr2	10973479	10973554	At2g25730	3	75	1	4	7
chr2	10973845	10973952	At2g25730	4	107	1	5	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	10974719	10974791	At2g25730	3	72	1	6	8
chr2	10977250	10977291	At2g25730	2	41	0	0	6
chr2	10979487	10979588	At2g25730	4	101	4	4	15
chr2	10995318	10995389	At2g25760	3	71	1	1	7
chr2	11022532	11022710	At2g25820	6	178	8	4	30
chr2	11024869	11024978	-	4	109	3	1	18
chr2	11028682	11028789	At2g25830	4	107	2	2	26
chr2	11068425	11068495	At2g25930	3	70	3	5	10
chr2	11069612	11069686	At2g25930	3	74	2	3	13
chr2	11077421	11077527	At2g25950	4	106	2	3	11
chr2	11117564	11117642	At2g26080	3	78	0	4	11
chr2	11133981	11134120	-	5	139	3	5	11
chr2	11145771	11145840	At2g26160	3	69	4	1	12
chr2	11154752	11154823	At2g26190	3	71	1	3	10
chr2	11157003	11157047	At2g26190	2	44	1	3	7
chr2	11158472	11158587	-	4	115	1	1	15
chr2	11159355	11159461	-	4	106	2	2	19
chr2	11161607	11161684	At2g26200	3	77	2	4	7
chr2	11162618	11162796	At2g26200	6	178	4	6	18
chr2	11163764	11163833	-	3	69	1	1	13
chr2	11171788	11171866	At2g26230	3	78	2	3	5
chr2	11173115	11173269	At2g26230	5	154	1	4	26
chr2	11174653	11174717	At2g26240	3	64	3	6	3
chr2	11179222	11179295	At2g26250	3	73	2	5	10
chr2	11185493	11185597	At2g26260	4	104	4	3	14
chr2	11187055	11187129	At2g26260	3	74	2	2	12
chr2	11187498	11187603	At2g26260	4	105	2	5	16
chr2	11189850	11189922	At2g26260	3	72	4	1	15
chr2	11191737	11191890	-	5	153	3	7	15
chr2	11197241	11197390	At2g26280	5	149	2	5	13
chr2	11225416	11225529	At2g26350	4	113	4	3	8
chr2	11235979	11236118	-	5	139	1	2	15
chr2	11238222	11238493	-	8	271	2	4	31
chr2	11254525	11254596	At2g26440	3	71	2	2	1
chr2	11254746	11254814	At2g26440	3	68	3	4	11
chr2	11265797	11265910	At2g26460	4	113	3	2	20
chr2	11272221	11272330	At2g26480	4	109	2	4	22
chr2	11272474	11272546	At2g26480	3	72	0	1	23
chr2	11280242	11280317	-	3	75	3	2	10
chr2	11284720	11284796	-	3	76	0	1	7
chr2	11288326	11288400	-	3	74	2	1	13
chr2	11297013	11297082	At2g26540	3	69	2	2	8
chr2	11304219	11304290	-	3	71	1	0	8
chr2	11313403	11313475	At2g26580	3	72	0	3	16
chr2	11314124	11314199	-	3	75	3	1	11
chr2	11317718	11317969	-	8	251	6	3	37
chr2	11321746	11321859	At2g26590	4	113	3	4	12
chr2	11322388	11322503	-	4	115	5	2	11
chr2	11325882	11325987	At2g26610	4	105	7	13	6
chr2	11327611	11327687	At2g26610	3	76	2	3	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	11328560	11328664	At2g26610	4	104	3	6	15
chr2	11331459	11331530	-	3	71	0	2	18
chr2	11338210	11338325	At2g26640	4	115	4	6	14
chr2	11351826	11351867	At2g26680	2	41	0	2	2
chr2	11354428	11354672	At2g26690	8	244	5	10	24
chr2	11358057	11358200	At2g26690	5	143	3	4	21
chr2	11377158	11377269	At2g26700	4	111	8	3	13
chr2	11391823	11391889	-	3	66	1	2	4
chr2	11401468	11401645	-	6	177	4	2	20
chr2	11436080	11436175	-	3	95	0	0	11
chr2	11439216	11439290	At2g26800	3	74	2	2	14
chr2	11448605	11448686	At2g26820	3	81	4	6	8
chr2	11454690	11454759	At2g26840	3	69	2	4	10
chr2	11459557	11459632	At2g26860	3	75	3	1	14
chr2	11478613	11478721	At2g26890	4	108	3	6	10
chr2	11495328	11495479	-	5	151	6	2	19
chr2	11498009	11498079	At2g26920	3	70	2	3	13
chr2	11499987	11500064	At2g26930	3	77	1	2	11
chr2	11501422	11501492	-	3	70	0	0	12
chr2	11508845	11508916	At2g26950	3	71	2	2	9
chr2	11512697	11512810	-	4	113	5	2	11
chr2	11513979	11514123	At2g26960	5	144	6	9	13
chr2	11517842	11517946	At2g26970	4	104	0	3	13
chr2	11518995	11519049	-	2	54	1	2	3
chr2	11523324	11523399	At2g26980	3	75	2	1	12
chr2	11526645	11526793	At2g26990	5	148	1	3	20
chr2	11527958	11528000	At2g26990	2	42	1	1	7
chr2	11535527	11535668	At2g27020	5	141	6	8	9
chr2	11536470	11536612	At2g27020	5	142	2	4	15
chr2	11545540	11545581	At2g27040	2	41	0	1	11
chr2	11551134	11551274	-	5	140	2	4	28
chr2	11556752	11556823	-	3	71	1	1	15
chr2	11557227	11557298	-	3	71	0	1	20
chr2	11560170	11560278	At2g27060	4	108	1	6	18
chr2	11611514	11611731	At2g27150	7	217	6	11	27
chr2	11615105	11615218	At2g27160	4	113	1	4	13
chr2	11624798	11624876	-	3	78	2	3	9
chr2	11642850	11642919	At2g27210	3	69	2	6	7
chr2	11650719	11650785	-	3	66	3	1	8
chr2	11651298	11651402	-	4	104	5	2	10
chr2	11666699	11666770	At2g27240	3	71	1	1	15
chr2	11675065	11675212	-	5	147	3	2	14
chr2	11678736	11678809	-	3	73	4	3	13
chr2	11683851	11683999	At2g27285	5	148	2	3	13
chr2	11684860	11684933	At2g27285	3	73	6	2	13
chr2	11698586	11698737	-	5	151	8	6	25
chr2	11699068	11699111	-	2	43	3	1	13
chr2	11699341	11699524	-	6	183	3	5	21
chr2	11702446	11702558	At2g27330	4	112	2	6	15
chr2	11703175	11703282	At2g27330	4	107	1	5	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	11704160	11704234	At2g27340	3	74	2	4	14
chr2	11716048	11716104	At2g27370	2	56	2	0	6
chr2	11739382	11739448	At2g27430	3	66	0	0	8
chr2	11742138	11742208	At2g27440	3	70	0	2	12
chr2	11744991	11745068	At2g27450	3	77	1	7	7
chr2	11745171	11745316	At2g27450	5	145	2	5	17
chr2	11745724	11745796	At2g27450	3	72	0	2	6
chr2	11746083	11746152	At2g27450	3	69	2	2	15
chr2	11751256	11751435	At2g27460	6	179	5	6	19
chr2	11753786	11753895	-	4	109	7	4	7
chr2	11762913	11762986	-	3	73	3	3	6
chr2	11764717	11764829	At2g27505	4	112	2	4	22
chr2	11771054	11771128	At2g27530	3	74	0	1	12
chr2	11782797	11782909	At2g27570	4	112	4	4	15
chr2	11791475	11791590	At2g27610	4	115	2	9	8
chr2	11803144	11803215	At2g27650	3	71	0	4	10
chr2	11804124	11804192	At2g27650	3	68	2	1	12
chr2	11812479	11812555	At2g27680	3	76	4	5	6
chr2	11812665	11812809	At2g27680	5	144	7	7	8
chr2	11824563	11824637	At2g27710	3	74	1	4	14
chr2	11828431	11828587	At2g27730	5	156	1	3	13
chr2	11831403	11831473	At2g27750	3	70	1	3	5
chr2	11850672	11850892	-	7	220	1	0	13
chr2	11855491	11855637	At2g27790	5	146	2	1	16
chr2	11863992	11864138	At2g27820	5	146	7	9	8
chr2	11872453	11872519	At2g27860	3	66	2	2	11
chr2	11878622	11878688	At2g27880	3	66	4	4	18
chr2	11884891	11884961	At2g27900	3	70	1	4	6
chr2	11897928	11898001	-	3	73	2	2	10
chr2	11899576	11899679	At2g27930	4	103	3	5	5
chr2	11909584	11909694	At2g27950	4	110	0	6	11
chr2	11921119	11921226	At2g27980	4	107	3	4	15
chr2	11924870	11925051	At2g27980	6	181	2	7	17
chr2	11925436	11925507	At2g27980	3	71	1	2	7
chr2	11925832	11925938	At2g27980	4	106	0	4	11
chr2	11931181	11931247	At2g27990	3	66	0	2	7
chr2	11935154	11935260	At2g28000	4	106	5	5	17
chr2	11937141	11937213	-	3	72	2	2	11
chr2	11957813	11957992	At2g28060	6	179	1	5	21
chr2	11958254	11958369	At2g28060	4	115	2	2	5
chr2	11966032	11966144	At2g28070	4	112	1	4	10
chr2	11969562	11969633	At2g28080	3	71	3	1	7
chr2	11975489	11975605	At2g28085	4	116	5	4	12
chr2	11979088	11979158	-	3	70	3	2	13
chr2	11982065	11982276	At2g28100	7	211	9	11	22
chr2	11984141	11984219	At2g28105	3	78	0	3	12
chr2	11986606	11986676	At2g28110	3	70	1	2	17
chr2	11992273	11992385	-	4	112	0	3	14
chr2	11993499	11993569	At2g28120	3	70	3	4	10
chr2	12004570	12004667	-	4	97	1	1	21

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	12012788	12012902	At2g28160	3	114	2	2	11
chr2	12022343	12022415	At2g28190	3	72	2	4	8
chr2	12026099	12026245	-	5	146	0	0	22
chr2	12027654	12027727	-	3	73	0	0	13
chr2	12041938	12042014	At2g28220	3	76	4	7	11
chr2	12046459	12046530	At2g28240	3	71	2	0	12
chr2	12057142	12057249	At2g28260	4	107	0	1	16
chr2	12084653	12084765	-	4	112	2	0	15
chr2	12088625	12088676	At2g28305	2	51	0	0	3
chr2	12105883	12106001	At2g28320	4	118	2	2	22
chr2	12108154	12108300	-	5	146	0	0	21
chr2	12117785	12117847	-	3	62	3	2	13
chr2	12128789	12128858	-	3	69	1	0	9
chr2	12146990	12147069	At2g28390	3	79	2	3	5
chr2	12165304	12165375	At2g28420	3	71	1	2	23
chr2	12186466	12186547	At2g28490	3	81	1	1	9
chr2	12187874	12187915	At2g28490	2	41	0	1	2
chr2	12200767	12200839	-	3	72	1	1	15
chr2	12213738	12213847	-	4	109	2	2	16
chr2	12220539	12220614	At2g28520	3	75	2	2	14
chr2	12223211	12223260	-	2	49	1	1	8
chr2	12229047	12229116	At2g28540	3	69	2	3	11
chr2	12233563	12233678	At2g28550	4	115	5	5	12
chr2	12256231	12256346	-	4	115	3	1	11
chr2	12257982	12258262	At2g28590	9	280	5	10	33
chr2	12269304	12269373	At2g28610	3	69	2	4	12
chr2	12274437	12274549	At2g28620	4	112	5	8	12
chr2	12276526	12276664	At2g28620	5	138	0	5	15
chr2	12287962	12288037	-	3	75	2	1	9
chr2	12297393	12297468	At2g28650	3	75	4	6	2
chr2	12306267	12306342	-	3	75	3	4	10
chr2	12308518	12308583	At2g28670	3	65	1	8	7
chr2	12318412	12318529	-	4	117	5	3	5
chr2	12324986	12325063	At2g28700	3	77	0	1	8
chr2	12325168	12325243	At2g28700	3	75	0	3	18
chr2	12341863	12342037	-	6	174	2	3	19
chr2	12342456	12342672	-	7	216	1	4	22
chr2	12363930	12364004	At2g28800	3	74	2	4	7
chr2	12368149	12368373	-	7	224	6	1	25
chr2	12372113	12372218	At2g28810	4	105	3	5	16
chr2	12378801	12378884	-	3	83	2	1	10
chr2	12380989	12381067	-	3	78	1	0	11
chr2	12386921	12386991	At2g28840	3	70	2	3	12
chr2	12419987	12420159	-	6	172	0	0	33
chr2	12431513	12431585	-	3	72	0	3	1
chr2	12446564	12446636	At2g28960	3	72	3	2	11
chr2	12451939	12452046	At2g28970	4	107	0	1	12
chr2	12462613	12462725	At2g28990	4	112	1	2	20
chr2	12462922	12462997	At2g28990	3	75	0	1	13
chr2	12469634	12469744	At2g29000	4	110	3	6	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	12469991	12470066	At2g29000	3	75	4	4	7
chr2	12470783	12470855	At2g29000	3	72	1	3	18
chr2	12493289	12493361	At2g29060	3	72	7	7	12
chr2	12502411	12502452	At2g29090	2	41	1	1	6
chr2	12518628	12518738	At2g29120	4	110	4	5	16
chr2	12526531	12526572	-	2	41	3	0	8
chr2	12544403	12544682	At2g29160	9	279	6	8	33
chr2	12553859	12553926	At2g29190	3	67	1	5	12
chr2	12555332	12555403	At2g29190	3	71	2	3	9
chr2	12555543	12555611	At2g29190	3	68	1	1	12
chr2	12592651	12592728	-	3	77	0	1	18
chr2	12598694	12598801	-	4	107	2	1	13
chr2	12617006	12617145	At2g29380	5	139	8	10	28
chr2	12623717	12623790	At2g29410	3	73	1	4	10
chr2	12632444	12632586	At2g29450	5	142	7	5	24
chr2	12642371	12642517	At2g29510	5	146	6	6	21
chr2	12643210	12643279	At2g29510	3	69	4	3	17
chr2	12643596	12643671	At2g29510	3	75	2	6	6
chr2	12658780	12658880	-	4	100	6	6	17
chr2	12669718	12669790	-	3	72	1	2	14
chr2	12688213	12688433	-	7	220	6	4	15
chr2	12696309	12696420	-	4	111	6	6	14
chr2	12697047	12697088	At2g29680	2	41	0	0	11
chr2	12700948	12701088	At2g29690	5	140	13	10	8
chr2	12704783	12704900	At2g29700	4	117	10	7	17
chr2	12705201	12705277	At2g29700	3	76	0	3	11
chr2	12708559	12708661	At2g29720	4	102	1	4	23
chr2	12714659	12714734	At2g29740	3	75	4	4	12
chr2	12714989	12715066	At2g29740	3	77	9	3	13
chr2	12720511	12720692	At2g29760	6	181	1	5	39
chr2	12725340	12725410	At2g29780	3	70	3	3	6
chr2	12728210	12728314	At2g29790	4	104	4	0	15
chr2	12733077	12733227	-	5	150	6	6	15
chr2	12733847	12733954	At2g29810	4	107	5	4	14
chr2	12738774	12738827	-	2	53	3	2	3
chr2	12747307	12747378	-	3	71	0	0	5
chr2	12755186	12755334	At2g29890	5	148	2	4	23
chr2	12756211	12756351	At2g29890	5	140	4	5	22
chr2	12759043	12759116	At2g29910	3	73	1	2	6
chr2	12765883	12766024	-	5	141	7	3	11
chr2	12772180	12772289	At2g29940	4	109	2	1	13
chr2	12780871	12780960	-	3	89	0	1	16
chr2	12785443	12785588	At2g29970	5	145	2	4	19
chr2	12789006	12789147	At2g29980	5	141	3	4	10
chr2	12802471	12802577	At2g29990	4	106	5	4	11
chr2	12813832	12814008	At2g30010	6	176	3	4	23
chr2	12815588	12815629	At2g30010	2	41	2	1	7
chr2	12815977	12816049	At2g30010	3	72	2	2	11
chr2	12833714	12833755	At2g30050	2	41	0	0	5
chr2	12847761	12847826	-	2	65	2	1	4

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	12851587	12851813	At2g30090	7	226	9	10	24
chr2	12853435	12853509	-	3	74	2	2	12
chr2	12860850	12860920	At2g30110	3	70	0	2	8
chr2	12865791	12865938	At2g30115	5	147	0	2	26
chr2	12867546	12867681	-	5	135	4	4	16
chr2	12880393	12880505	At2g30140	4	112	3	7	17
chr2	12881725	12881837	-	4	112	7	8	12
chr2	12882064	12882138	At2g30150	3	74	5	5	9
chr2	12882509	12882553	At2g30150	2	44	1	2	4
chr2	12904016	12904089	-	3	73	2	1	10
chr2	12926639	12926713	At2g30300	3	74	9	7	8
chr2	12927443	12927547	At2g30300	4	104	9	4	10
chr2	12927638	12927710	At2g30300	3	72	1	0	5
chr2	12945508	12945683	At2g30360	6	175	16	9	23
chr2	12955998	12956100	At2g30380	4	102	2	3	20
chr2	12957418	12957566	At2g30380	5	148	3	2	24
chr2	12957723	12957793	-	3	70	2	3	11
chr2	12961689	12961868	At2g30395	6	179	3	6	27
chr2	12962088	12962191	At2g30395	4	103	3	2	20
chr2	12962297	12962375	-	3	78	0	1	17
chr2	12977524	12977595	-	3	71	0	0	11
chr2	12977750	12977791	-	2	41	1	0	9
chr2	12979133	12979196	-	3	63	0	5	10
chr2	12987786	12987867	At2g30470	3	81	0	1	6
chr2	12992365	12992406	-	2	41	1	0	12
chr2	12999986	13000034	-	2	48	3	1	3
chr2	13004021	13004090	-	3	69	5	3	9
chr2	13006243	13006382	At2g30500	5	139	3	4	16
chr2	13007722	13007833	-	4	111	2	2	8
chr2	13019197	13019295	-	4	98	2	1	19
chr2	13036438	13036505	At2g30580	3	67	1	6	7
chr2	13045058	13045163	At2g30600	4	105	0	4	29
chr2	13066902	13067059	At2g30660	5	157	2	2	13
chr2	13079321	13079386	-	3	65	2	0	16
chr2	13081586	13081656	At2g30680	3	70	1	5	10
chr2	13107055	13107135	At2g30750	3	80	2	2	4
chr2	13112729	13112909	-	6	180	1	2	18
chr2	13117036	13117109	At2g30770	3	73	3	4	11
chr2	13124170	13124211	At2g30780	2	41	3	1	10
chr2	13125005	13125081	At2g30780	3	76	2	2	15
chr2	13127125	13127195	At2g30790	3	70	3	6	13
chr2	13135547	13135648	At2g30810	3	101	0	1	7
chr2	13137287	13137360	At2g30820	3	73	2	2	8
chr2	13150403	13150471	At2g30880	3	68	0	3	14
chr2	13177855	13177931	-	3	76	3	5	5
chr2	13180854	13180968	-	4	114	2	2	22
chr2	13190352	13190422	At2g30980	3	70	0	5	10
chr2	13194795	13194865	-	3	70	0	2	16
chr2	13202695	13202808	At2g31010	4	113	1	5	11
chr2	13204080	13204208	At2g31010	5	128	2	4	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	13208922	13209066	At2g31020	5	144	5	6	32
chr2	13235110	13235219	-	3	109	0	1	11
chr2	13238476	13238591	-	4	115	1	3	8
chr2	13248531	13248604	At2g31082	3	73	2	1	18
chr2	13271047	13271113	At2g31130	3	66	3	5	9
chr2	13281998	13282071	-	3	73	1	3	10
chr2	13283402	13283507	-	4	105	2	2	12
chr2	13304663	13304741	At2g31210	3	78	0	0	22
chr2	13305518	13305724	-	7	206	2	6	22
chr2	13312550	13312600	-	2	50	1	1	9
chr2	13325008	13325117	At2g31240	4	109	2	5	13
chr2	13326877	13326918	At2g31250	2	41	2	4	6
chr2	13328311	13328383	At2g31250	3	72	1	3	8
chr2	13348256	13348326	At2g31280	3	70	1	5	15
chr2	13360202	13360346	At2g31310	5	144	7	5	11
chr2	13360745	13360851	-	4	106	4	1	12
chr2	13361203	13361280	At2g31320	3	77	0	2	11
chr2	13367142	13367217	-	3	75	5	3	11
chr2	13369446	13369556	At2g31340	4	110	2	4	18
chr2	13382383	13382535	-	5	152	2	3	17
chr2	13383482	13383554	-	3	72	1	4	11
chr2	13405643	13405759	-	4	116	3	3	19
chr2	13406940	13407015	At2g31440	3	75	1	3	11
chr2	13417148	13417258	At2g31480	4	110	1	4	13
chr2	13421725	13421838	At2g31500	4	113	0	1	19
chr2	13421930	13422044	At2g31500	4	114	2	4	14
chr2	13450288	13450404	At2g31580	4	116	0	1	9
chr2	13451050	13451205	At2g31580	5	155	1	3	14
chr2	13451393	13451498	At2g31580	4	105	1	6	11
chr2	13456303	13456447	At2g31600	5	144	0	2	13
chr2	13459150	13459217	At2g31620	3	67	2	5	7
chr2	13462630	13462876	At2g31650	8	246	4	8	34
chr2	13474542	13474620	At2g31660	3	78	0	2	14
chr2	13479482	13479548	-	3	66	1	1	14
chr2	13479987	13480100	At2g31670	4	113	4	8	6
chr2	13523605	13523677	At2g31780	3	72	1	1	10
chr2	13534169	13534235	At2g31810	3	66	1	2	12
chr2	13573769	13573843	At2g31900	3	74	0	2	15
chr2	13579160	13579239	At2g31910	3	79	2	2	8
chr2	13593195	13593336	At2g31955	5	141	2	6	11
chr2	13598064	13598137	At2g31960	3	73	1	4	11
chr2	13602326	13602435	At2g31960	4	109	2	6	12
chr2	13607729	13607837	At2g31970	4	108	9	6	14
chr2	13618548	13618624	At2g31990	3	76	1	1	8
chr2	13621975	13622084	At2g31985	4	109	3	3	9
chr2	13631556	13631696	-	5	140	2	0	17
chr2	13660055	13660130	At2g32120	3	75	1	3	12
chr2	13661241	13661349	-	4	108	0	2	16
chr2	13663602	13663674	At2g32140	3	72	4	6	7
chr2	13670028	13670207	At2g32160	6	179	1	6	20

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	13679754	13679822	At2g32180	3	68	0	6	14
chr2	13689730	13689989	-	8	259	4	9	36
chr2	13695820	13696003	-	6	183	3	6	14
chr2	13701725	13701872	At2g32250	5	147	3	5	24
chr2	13703230	13703368	At2g32250	5	138	4	4	25
chr2	13713256	13713387	At2g32270	4	131	0	3	14
chr2	13715469	13715668	-	6	199	4	5	17
chr2	13716824	13716898	At2g32275	3	74	3	6	12
chr2	13725923	13726029	-	4	106	2	0	7
chr2	13727719	13727896	At2g32295	6	177	2	7	15
chr2	13729398	13729546	-	5	148	0	2	7
chr2	13743145	13743190	-	2	45	0	1	8
chr2	13743287	13743358	-	3	71	1	1	12
chr2	13749362	13749434	-	3	72	0	1	4
chr2	13754510	13754582	At2g32380	3	72	6	4	14
chr2	13757220	13757322	At2g32390	4	102	6	5	16
chr2	13766265	13766363	At2g32410	4	98	1	5	13
chr2	13778606	13778674	At2g32430	3	68	0	2	11
chr2	13780604	13780705	At2g32430	4	101	3	3	8
chr2	13783089	13783235	At2g32440	5	146	1	3	27
chr2	13784197	13784345	At2g32440	5	148	1	4	18
chr2	13785030	13785086	At2g32440	2	56	0	1	7
chr2	13794429	13794571	-	5	142	9	7	7
chr2	13815707	13815818	-	4	111	2	1	14
chr2	13816322	13816466	At2g32530	5	144	4	3	13
chr2	13817068	13817109	At2g32530	2	41	0	2	2
chr2	13824949	13825048	At2g32540	4	99	4	3	13
chr2	13831568	13831644	-	3	76	0	2	13
chr2	13834652	13834693	-	2	41	2	4	2
chr2	13838594	13838661	At2g32590	3	67	1	4	9
chr2	13842055	13842201	At2g32600	5	146	3	6	18
chr2	13846941	13847050	-	4	109	3	2	12
chr2	13852149	13852218	At2g32630	3	69	5	5	3
chr2	13855453	13855559	At2g32640	4	106	3	7	10
chr2	13867314	13867417	At2g32670	4	103	4	4	20
chr2	13868846	13868914	At2g32680	3	68	1	0	21
chr2	13869957	13870033	-	3	76	4	2	9
chr2	13875385	13875530	At2g32700	5	145	3	5	26
chr2	13877968	13878077	At2g32700	4	109	5	5	13
chr2	13887258	13887408	At2g32730	5	150	3	4	19
chr2	13894693	13894926	At2g32740	7	233	6	6	32
chr2	13897463	13897612	At2g32750	5	149	4	3	24
chr2	13899139	13899213	At2g32760	3	74	4	3	17
chr2	13905570	13905673	At2g32780	4	103	4	4	16
chr2	13933683	13933761	At2g32820	3	78	5	2	11
chr2	13936512	13936654	At2g32830	5	142	9	7	20
chr2	13941301	13941438	At2g32840	4	137	2	6	18
chr2	13947295	13947368	At2g32860	3	73	1	0	6
chr2	13950498	13950607	At2g32860	4	109	4	0	18
chr2	13960975	13961119	At2g32900	5	144	11	12	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	13962561	13962638	At2g32900	3	77	2	3	8
chr2	13964909	13964982	-	3	73	1	2	8
chr2	13965716	13965858	At2g32905	5	142	7	7	9
chr2	13966463	13966639	At2g32910	6	176	1	6	20
chr2	13968352	13968393	At2g32910	2	41	1	6	5
chr2	13969916	13969990	At2g32920	3	74	2	4	5
chr2	13973195	13973301	At2g32930	4	106	3	7	19
chr2	13979950	13980108	At2g32940	5	158	2	6	22
chr2	13986773	13986814	At2g32950	2	41	0	0	9
chr2	13995817	13995925	At2g32960	4	108	1	4	15
chr2	14018034	14018144	At2g33010	4	110	6	7	13
chr2	14022881	14023028	At2g33020	5	147	1	5	32
chr2	14030897	14031073	At2g33050	6	176	3	7	31
chr2	14036225	14036432	-	7	207	8	6	13
chr2	14042218	14042274	-	2	56	0	0	4
chr2	14043314	14043493	-	6	179	2	7	15
chr2	14046089	14046298	At2g33100	7	209	4	10	35
chr2	14047778	14047852	-	3	74	6	3	11
chr2	14055963	14056035	At2g33150	3	72	1	4	9
chr2	14058424	14058504	-	3	80	3	3	19
chr2	14077531	14077639	At2g33200	4	108	3	3	20
chr2	14079680	14079726	At2g33205	2	46	1	2	9
chr2	14087008	14087079	At2g33220	3	71	0	1	14
chr2	14088572	14088649	At2g33230	3	77	3	5	3
chr2	14094992	14095103	At2g33240	4	111	1	3	28
chr2	14100015	14100086	At2g33240	3	71	3	3	14
chr2	14107216	14107257	At2g33255	2	41	2	3	1
chr2	14117021	14117160	-	5	139	7	8	17
chr2	14117348	14117425	At2g33290	3	77	6	8	8
chr2	14121672	14121742	At2g33310	3	70	3	3	9
chr2	14127976	14128017	At2g33320	2	41	4	5	5
chr2	14133142	14133250	-	4	108	1	5	16
chr2	14134981	14135055	At2g33340	3	74	2	4	9
chr2	14135511	14135578	At2g33340	3	67	2	4	5
chr2	14142251	14142314	At2g33350	3	63	0	1	8
chr2	14149005	14149114	At2g33360	4	109	4	6	16
chr2	14168525	14168592	At2g33420	3	67	6	4	2
chr2	14171722	14171792	At2g33430	3	70	5	8	12
chr2	14193568	14193633	At2g33490	3	65	1	3	11
chr2	14198078	14198154	-	3	76	1	0	17
chr2	14202238	14202444	At2g33510	7	206	2	8	43
chr2	14203439	14203557	-	4	118	1	2	13
chr2	14206251	14206402	At2g33530	5	151	2	4	21
chr2	14207120	14207235	At2g33530	4	115	0	3	14
chr2	14216726	14216767	-	2	41	2	1	7
chr2	14219497	14219605	-	4	108	3	2	17
chr2	14221083	14221162	At2g33560	3	79	1	2	13
chr2	14230521	14230589	At2g33585	3	68	0	1	4
chr2	14231112	14231184	At2g33585	3	72	2	5	11
chr2	14238011	14238152	At2g33610	5	141	4	5	24

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	14241377	14241442	At2g33620	3	65	0	1	14
chr2	14243734	14243950	At2g33620	7	216	1	7	32
chr2	14244490	14244674	At2g33620	6	184	0	8	31
chr2	14245345	14245449	At2g33630	4	104	3	6	8
chr2	14283154	14283231	At2g33760	3	77	7	4	6
chr2	14284653	14284752	At2g33770	4	99	2	3	8
chr2	14287759	14287830	At2g33770	3	71	1	4	17
chr2	14291103	14291211	-	4	108	5	3	11
chr2	14293728	14293878	-	5	150	4	3	19
chr2	14294787	14294860	-	3	73	2	0	10
chr2	14296921	14296989	-	3	68	1	2	9
chr2	14299819	14299928	-	4	109	6	2	9
chr2	14302172	14302315	At2g33790	5	143	0	2	35
chr2	14308079	14308151	At2g33800	3	72	2	4	10
chr2	14308762	14308832	At2g33800	3	70	0	4	11
chr2	14317456	14317528	-	3	72	2	0	6
chr2	14323024	14323126	At2g33840	4	102	0	7	18
chr2	14329184	14329256	-	3	72	1	1	18
chr2	14332170	14332245	At2g33855	3	75	4	2	16
chr2	14332442	14332587	At2g33860	5	145	0	3	18
chr2	14338264	14338340	-	3	76	2	1	12
chr2	14344536	14344640	At2g33870	4	104	2	5	14
chr2	14363782	14363886	At2g33980	4	104	3	2	7
chr2	14380042	14380115	At2g34020	3	73	1	3	8
chr2	14381644	14381712	-	3	68	3	2	12
chr2	14382696	14382843	At2g34030	5	147	2	3	10
chr2	14392106	14392392	At2g34060	9	286	10	12	18
chr2	14393625	14393697	At2g34060	3	72	1	2	15
chr2	14411687	14411833	-	5	146	0	3	14
chr2	14422648	14422790	-	5	142	2	3	13
chr2	14426483	14426555	At2g34150	3	72	6	1	7
chr2	14427772	14428026	At2g34150	8	254	1	10	37
chr2	14429755	14429860	At2g34150	4	105	0	2	17
chr2	14435969	14436110	At2g34170	5	141	3	6	19
chr2	14439198	14439306	At2g34180	4	108	6	6	24
chr2	14446116	14446185	At2g34190	3	69	2	3	10
chr2	14448909	14448980	At2g34200	3	71	0	2	10
chr2	14463268	14463340	At2g34230	3	72	4	3	15
chr2	14464292	14464363	-	3	71	0	2	7
chr2	14467450	14467674	At2g34240	7	224	2	9	29
chr2	14470522	14470630	At2g34250	4	108	0	6	18
chr2	14470847	14470992	At2g34250	5	145	6	7	10
chr2	14491979	14492020	-	2	41	1	2	6
chr2	14505262	14505338	At2g34355	3	76	1	4	14
chr2	14507596	14507703	At2g34357	4	107	4	7	15
chr2	14513726	14513912	-	6	186	6	9	12
chr2	14516834	14516893	At2g34360	2	59	2	1	10
chr2	14519384	14519460	-	3	76	3	5	10
chr2	14521869	14521924	At2g29870	2	55	0	3	9
chr2	14532980	14533099	-	4	119	1	1	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	14538143	14538289	At2g34470	5	146	4	6	13
chr2	14541051	14541262	At2g34480	7	211	4	12	24
chr2	14558971	14559193	At2g34540	7	222	7	6	24
chr2	14570821	14570889	At2g34570	3	68	0	3	8
chr2	14572282	14572355	-	3	73	0	2	13
chr2	14575551	14575622	At2g34585	3	71	4	4	8
chr2	14576929	14577077	At2g34590	5	148	2	4	15
chr2	14581435	14581507	-	3	72	5	2	13
chr2	14584693	14584839	At2g34620	5	146	1	5	23
chr2	14589183	14589365	At2g34640	6	182	5	8	17
chr2	14598402	14598476	At2g34650	3	74	9	5	9
chr2	14631598	14631746	At2g34680	5	148	2	4	20
chr2	14635987	14636062	-	3	75	6	9	6
chr2	14642032	14642102	At2g34700	3	70	0	0	11
chr2	14654971	14655041	-	3	70	1	1	14
chr2	14666285	14666395	-	4	110	2	0	28
chr2	14669145	14669249	At2g34750	4	104	2	2	15
chr2	14694793	14694837	-	2	44	3	3	6
chr2	14701334	14701440	At2g34830	4	106	7	3	25
chr2	14704815	14705074	-	8	259	5	5	42
chr2	14706165	14706266	-	4	101	1	1	14
chr2	14712497	14712715	At2g34850	7	218	0	10	22
chr2	14722818	14722928	At2g34880	4	110	2	5	13
chr2	14724930	14725073	-	5	143	2	4	15
chr2	14729348	14729419	-	3	71	4	0	10
chr2	14734010	14734163	At2g34910	5	153	4	7	20
chr2	14734649	14734795	At2g34910	5	146	10	9	17
chr2	14745959	14746031	At2g34930	3	72	3	4	16
chr2	14748251	14748360	At2g34940	4	109	0	2	24
chr2	14759407	14759482	At2g35000	3	75	7	7	10
chr2	14765652	14765724	At2g35020	3	72	0	3	11
chr2	14779384	14779561	At2g35050	6	177	1	9	15
chr2	14780350	14780426	At2g35050	3	76	2	4	15
chr2	14789652	14789719	-	3	67	3	4	11
chr2	14797190	14797296	At2g35080	4	106	3	2	19
chr2	14800075	14800147	At2g35090	3	72	4	5	13
chr2	14801434	14801574	At2g35100	5	140	3	7	16
chr2	14805581	14805690	At2g35110	4	109	2	4	17
chr2	14809174	14809357	At2g35110	6	183	2	5	21
chr2	14809463	14809505	At2g35110	2	42	1	0	6
chr2	14814020	14814125	At2g35120	4	105	2	4	13
chr2	14823547	14823726	At2g35140	6	179	4	6	26
chr2	14827426	14827533	At2g35155	4	107	4	10	15
chr2	14833250	14833326	-	3	76	1	1	12
chr2	14844517	14844629	At2g35210	4	112	4	7	8
chr2	14877367	14877470	At2g35330	4	103	1	11	17
chr2	14883028	14883100	At2g35340	3	72	1	3	7
chr2	14891166	14891240	At2g35350	3	74	1	1	13
chr2	14892485	14892562	-	3	77	0	2	3
chr2	14897448	14897558	At2g35360	4	110	3	3	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	14908301	14908372	At2g35430	3	71	4	2	7
chr2	14915081	14915222	-	5	141	3	2	19
chr2	14921485	14921589	At2g35500	4	104	1	3	22
chr2	14931401	14931509	At2g35530	4	108	3	2	16
chr2	14934987	14935056	At2g35540	3	69	4	4	19
chr2	14935775	14935915	At2g35540	5	140	4	10	21
chr2	14936520	14936596	At2g35550	3	76	4	5	10
chr2	14938442	14938632	At2g35570	6	190	1	4	30
chr2	14947619	14947718	-	4	99	0	1	18
chr2	14949887	14949951	At2g35600	3	64	0	3	13
chr2	14953249	14953386	At2g35605	5	137	10	8	20
chr2	14960697	14960807	-	4	110	2	3	11
chr2	14965134	14965208	-	3	74	2	3	14
chr2	14965785	14965929	-	5	144	3	4	16
chr2	14966176	14966293	-	4	117	0	1	13
chr2	14967667	14967735	At2g35615	3	68	3	4	15
chr2	14971572	14971712	At2g35620	5	140	3	3	19
chr2	14978513	14978602	At2g35630	3	89	1	3	15
chr2	14978963	14979029	At2g35630	3	66	2	5	20
chr2	15000757	15000805	At2g35670	2	48	1	1	6
chr2	15010994	15011061	-	3	67	2	2	7
chr2	15015178	15015251	-	3	73	0	1	10
chr2	15015766	15015842	-	3	76	0	2	14
chr2	15037514	15037651	-	4	137	1	1	19
chr2	15038590	15038666	-	3	76	3	2	6
chr2	15041127	15041309	At2g35770	6	182	3	1	31
chr2	15041716	15041789	At2g35770	3	73	3	4	13
chr2	15053067	15053137	At2g35800	3	70	1	2	21
chr2	15061340	15061449	At2g35840	4	109	0	5	21
chr2	15067875	15068091	At2g35860	7	216	7	10	24
chr2	15070364	15070544	At2g35880	6	180	5	9	18
chr2	15075533	15075605	At2g35890	3	72	0	5	5
chr2	15092482	15092588	-	4	106	3	0	12
chr2	15113457	15113533	-	3	76	4	1	10
chr2	15119448	15119553	-	4	105	3	4	11
chr2	15127254	15127328	At2g36010	3	74	2	3	8
chr2	15134613	15134730	-	4	117	7	9	6
chr2	15137313	15137387	-	3	74	2	3	12
chr2	15164312	15164458	-	5	146	2	2	23
chr2	15171774	15171876	-	4	102	5	4	12
chr2	15175564	15175815	At2g36130	8	251	16	13	26
chr2	15176768	15176809	-	2	41	5	2	4
chr2	15182803	15182993	At2g36190	6	190	5	5	19
chr2	15190065	15190117	At2g36200	2	52	0	2	9
chr2	15191275	15191517	At2g36200	8	242	7	9	22
chr2	15210923	15211111	-	6	188	4	7	17
chr2	15220038	15220110	-	3	72	1	4	9
chr2	15227835	15227879	-	2	44	0	0	7
chr2	15236817	15236956	At2g36320	5	139	12	10	23
chr2	15243108	15243175	At2g36340	3	67	2	3	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	15248103	15248214	At2g36350	4	111	4	7	15
chr2	15251476	15251578	At2g36360	4	102	2	5	8
chr2	15255722	15255788	At2g36370	3	66	1	0	13
chr2	15256373	15256491	At2g36370	4	118	0	2	17
chr2	15258052	15258124	At2g36370	3	72	3	5	7
chr2	15268988	15269060	At2g36380	3	72	4	3	9
chr2	15270080	15270223	At2g36380	5	143	4	6	11
chr2	15273762	15273833	At2g36390	3	71	2	2	11
chr2	15281498	15281601	At2g36402	4	103	4	4	22
chr2	15293003	15293175	-	6	172	4	5	17
chr2	15293570	15293677	-	4	107	2	4	13
chr2	15298205	15298342	At2g36430	5	137	14	5	15
chr2	15307514	15307744	At2g36470	7	230	3	2	46
chr2	15311349	15311567	At2g36480	7	218	3	10	34
chr2	15316256	15316328	At2g36490	3	72	0	4	4
chr2	15316562	15316669	At2g36490	4	107	3	7	16
chr2	15333217	15333351	At2g36540	5	134	0	4	19
chr2	15345010	15345051	-	2	41	0	1	6
chr2	15351666	15351743	At2g36590	3	77	1	2	15
chr2	15373672	15373814	At2g36670	5	142	2	8	19
chr2	15376233	15376298	At2g36680	3	65	3	5	13
chr2	15382487	15382566	-	3	79	1	4	5
chr2	15386625	15386734	-	4	109	4	2	12
chr2	15398712	15398771	-	2	59	1	1	4
chr2	15400980	15401094	At2g36720	4	114	2	2	22
chr2	15402352	15402424	At2g36720	3	72	0	0	12
chr2	15418737	15418809	At2g36750	3	72	2	2	14
chr2	15422027	15422291	-	8	264	2	5	26
chr2	15427610	15427690	At2g36790	3	80	3	2	3
chr2	15433077	15433150	At2g36810	3	73	2	4	17
chr2	15441865	15441965	At2g36810	4	100	1	3	13
chr2	15446587	15446700	At2g36820	4	113	5	4	16
chr2	15447803	15447873	-	3	70	2	2	14
chr2	15450221	15450353	-	4	132	2	1	9
chr2	15454297	15454412	-	4	115	3	4	14
chr2	15459361	15459507	At2g36840	5	146	4	5	14
chr2	15460453	15460565	At2g36840	4	112	2	6	16
chr2	15462561	15462638	At2g36850	3	77	1	2	13
chr2	15463430	15463568	At2g36850	5	138	5	7	13
chr2	15474831	15475018	At2g36850	6	187	3	7	18
chr2	15486775	15486921	At2g36880	5	146	5	9	22
chr2	15487969	15488179	At2g36880	6	210	6	6	10
chr2	15488674	15488783	-	4	109	5	7	19
chr2	15490126	15490272	At2g36885	5	146	2	7	15
chr2	15499429	15499538	At2g36900	4	109	6	6	14
chr2	15501447	15501517	-	3	70	3	2	8
chr2	15502565	15502710	-	5	145	0	3	24
chr2	15505694	15505797	-	4	103	4	5	10
chr2	15516072	15516182	At2g36920	4	110	4	5	8
chr2	15517707	15517817	At2g36930	4	110	3	4	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	15518195	15518267	At2g36930	3	72	3	2	6
chr2	15529250	15529320	-	3	70	2	0	11
chr2	15533968	15534044	At2g36960	3	76	3	3	14
chr2	15537495	15537612	At2g36970	4	117	2	2	21
chr2	15543954	15544021	-	3	67	1	1	15
chr2	15548514	15548651	-	5	137	2	0	10
chr2	15557042	15557083	-	2	41	1	3	11
chr2	15560004	15560204	-	6	200	2	6	16
chr2	15561125	15561409	At2g37030	9	284	6	11	33
chr2	15567321	15567393	At2g37040	3	72	0	0	16
chr2	15567644	15567702	-	2	58	2	1	12
chr2	15571204	15571308	-	4	104	3	2	7
chr2	15576492	15576569	At2g37050	3	77	0	1	18
chr2	15589502	15589569	At2g37080	3	67	2	4	9
chr2	15590629	15590700	At2g37080	3	71	0	3	13
chr2	15599344	15599385	-	2	41	2	1	2
chr2	15600921	15601026	At2g37110	4	105	3	2	12
chr2	15605120	15605189	At2g37130	3	69	3	2	6
chr2	15614892	15614999	At2g37150	4	107	1	8	9
chr2	15619809	15619850	At2g37160	2	41	1	1	9
chr2	15620699	15620807	At2g37170	4	108	1	3	19
chr2	15621732	15621800	At2g37170	3	68	5	4	16
chr2	15623137	15623287	-	5	150	5	9	12
chr2	15633477	15633694	At2g37210	7	217	1	5	19
chr2	15640806	15640954	-	5	148	7	2	9
chr2	15648394	15648503	At2g37240	4	109	3	6	5
chr2	15655376	15655452	At2g37270	3	76	2	4	10
chr2	15656470	15656548	-	3	78	3	1	9
chr2	15657325	15657438	-	4	113	1	4	21
chr2	15663322	15663363	At2g37280	2	41	2	2	9
chr2	15676705	15676850	At2g37330	5	145	7	10	11
chr2	15679262	15679405	At2g37340	5	143	9	4	18
chr2	15681896	15682038	At2g37360	5	142	2	8	21
chr2	15706364	15706441	-	3	77	2	5	11
chr2	15727516	15727626	At2g37440	4	110	7	5	17
chr2	15732727	15732805	-	3	78	3	3	8
chr2	15746851	15746930	At2g37480	3	79	2	3	9
chr2	15756903	15757004	-	4	101	3	1	20
chr2	15765512	15765581	-	3	69	2	5	9
chr2	15774811	15774852	At2g37585	2	41	0	0	7
chr2	15781538	15781610	At2g37600	3	72	1	3	15
chr2	15784650	15784760	At2g37610	4	110	6	4	5
chr2	15788471	15788578	At2g37620	4	107	0	3	11
chr2	15788680	15788746	-	3	66	0	1	16
chr2	15791165	15791245	-	3	80	0	0	12
chr2	15801263	15801337	At2g37650	3	74	2	5	16
chr2	15804617	15804690	At2g37670	3	73	5	2	8
chr2	15805201	15805277	At2g37670	3	76	3	4	11
chr2	15813021	15813100	At2g37690	3	79	1	0	14
chr2	15817007	15817145	At2g05140	4	138	3	4	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	15825250	15825430	At2g37720	6	180	3	4	30
chr2	15826927	15826997	At2g37720	3	70	0	2	11
chr2	15836753	15836831	-	3	78	1	2	12
chr2	15838035	15838109	-	3	74	3	2	8
chr2	15838264	15838370	At2g37750	4	106	10	4	16
chr2	15845082	15845156	At2g37780	3	74	3	5	10
chr2	15846155	15846297	At2g37790	5	142	1	2	25
chr2	15846542	15846608	At2g37790	3	66	0	1	16
chr2	15848781	15848850	At2g37800	3	69	3	2	14
chr2	15863306	15863412	At2g37840	4	106	0	0	14
chr2	15865289	15865353	At2g37860	3	64	0	6	10
chr2	15871217	15871327	-	4	110	2	1	13
chr2	15874166	15874307	-	5	141	1	2	14
chr2	15877305	15877378	At2g37925	3	73	2	2	9
chr2	15878967	15879068	-	4	101	1	4	14
chr2	15879554	15879623	-	3	69	6	4	5
chr2	15881592	15881802	At2g37930	7	210	9	8	30
chr2	15888840	15888912	-	3	72	0	4	4
chr2	15893639	15893745	At2g37960	4	106	0	6	14
chr2	15894055	15894159	At2g37960	4	104	0	7	15
chr2	15895509	15895691	At2g37960	6	182	1	5	22
chr2	15896763	15896823	-	2	60	2	0	8
chr2	15901104	15901176	-	3	72	0	2	14
chr2	15902760	15902833	At2g37980	3	73	0	3	9
chr2	15904183	15904233	At2g37980	2	50	4	5	5
chr2	15905517	15905657	-	5	140	6	5	13
chr2	15911370	15911447	At2g38000	3	77	2	8	7
chr2	15923236	15923351	At2g38025	4	115	0	3	4
chr2	15926418	15926561	At2g38040	5	143	3	7	17
chr2	15935746	15935814	At2g38070	3	68	6	3	6
chr2	15943588	15943664	At2g38080	3	76	4	1	9
chr2	15953721	15953789	At2g38090	3	68	3	6	8
chr2	15959562	15959691	-	4	129	3	1	8
chr2	15959802	15959872	At2g38110	3	70	1	1	5
chr2	15965068	15965138	-	3	70	2	1	7
chr2	15965620	15965731	-	4	111	1	1	11
chr2	15966409	15966481	-	3	72	2	2	7
chr2	15970275	15970350	-	3	75	0	2	8
chr2	15972346	15972479	-	5	133	2	4	15
chr2	15975005	15975075	-	3	70	1	1	12
chr2	15983585	15983696	At2g38120	4	111	4	2	19
chr2	15988844	15988920	At2g38150	3	76	0	3	9
chr2	16000162	16000269	At2g38170	4	107	6	6	10
chr2	16007214	16007280	At2g38185	3	66	1	3	6
chr2	16033342	16033453	At2g38260	4	111	2	5	5
chr2	16049969	16050051	-	3	82	0	2	8
chr2	16061383	16061525	-	5	142	4	2	15
chr2	16073240	16073315	At2g38330	3	75	2	2	14
chr2	16074598	16074731	At2g38330	5	133	3	5	17
chr2	16076291	16076367	At2g38350	3	76	6	3	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	16080112	16080329	At2g38370	7	217	6	9	17
chr2	16080681	16080789	At2g38370	4	108	0	2	12
chr2	16081618	16081731	-	4	113	3	3	8
chr2	16091453	16091598	At2g38400	5	145	1	8	29
chr2	16094278	16094385	At2g38410	4	107	5	7	18
chr2	16096301	16096405	At2g38410	4	104	1	2	10
chr2	16103294	16103371	At2g38440	3	77	2	1	14
chr2	16107022	16107088	At2g38440	3	66	2	7	7
chr2	16109369	16109470	At2g38450	4	101	1	2	19
chr2	16111055	16111230	At2g38460	6	175	4	12	23
chr2	16111658	16111875	At2g38460	7	217	7	14	34
chr2	16116258	16116507	At2g38470	8	249	5	8	33
chr2	16123003	16123106	-	4	103	4	3	16
chr2	16123582	16123686	-	4	104	2	2	11
chr2	16129576	16129617	-	2	41	3	1	6
chr2	16131230	16131421	At2g38510	6	191	8	9	21
chr2	16132003	16132077	At2g38510	3	74	7	6	13
chr2	16132785	16132853	-	3	68	0	2	5
chr2	16147803	16147876	At2g38580	3	73	1	3	16
chr2	16158963	16159066	-	3	103	0	1	10
chr2	16160877	16160949	At2g38620	3	72	1	8	3
chr2	16164214	16164285	-	3	71	1	1	13
chr2	16168837	16168909	-	3	72	2	2	11
chr2	16169509	16169619	At2g38650	4	110	3	2	16
chr2	16170166	16170235	At2g38650	3	69	1	5	6
chr2	16173843	16173908	At2g38660	3	65	2	2	16
chr2	16176197	16176440	At2g38670	8	243	11	4	31
chr2	16176660	16176771	At2g38670	4	111	6	4	9
chr2	16178150	16178284	At2g38670	5	134	7	5	19
chr2	16188570	16188864	At2g38700	9	294	2	8	34
chr2	16188977	16189044	At2g38700	3	67	2	3	8
chr2	16203972	16204048	At2g38750	3	76	1	4	10
chr2	16214273	16214390	At2g38770	4	117	2	3	21
chr2	16216212	16216317	At2g38770	4	105	2	3	10
chr2	16220265	16220415	At2g38780	5	150	5	5	21
chr2	16236419	16236525	At2g38840	4	106	0	7	9
chr2	16239917	16239987	-	3	70	3	2	10
chr2	16240736	16240812	At2g38860	3	76	2	8	6
chr2	16245103	16245159	-	2	56	1	1	7
chr2	16251190	16251257	At2g38905	3	67	2	0	12
chr2	16255587	16255660	At2g38920	3	73	0	1	5
chr2	16275018	16275201	-	6	183	4	7	25
chr2	16283087	16283192	At2g38970	4	105	2	3	21
chr2	16296050	16296164	-	4	114	2	2	18
chr2	16297249	16297318	-	3	69	0	2	14
chr2	16310836	16311200	At2g39050	11	364	9	15	43
chr2	16313029	16313103	-	3	74	3	2	7
chr2	16315313	16315422	At2g39060	4	109	0	1	14
chr2	16327479	16327557	At2g39110	3	78	1	2	9
chr2	16337131	16337239	-	4	108	3	3	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	16361459	16361606	At2g39190	5	147	2	8	22
chr2	16364859	16364951	At2g39200	3	92	0	2	12
chr2	16365845	16365958	At2g39200	4	113	1	2	15
chr2	16374398	16374439	At2g39210	2	41	3	1	9
chr2	16378814	16378878	-	3	64	6	1	13
chr2	16387967	16388049	-	3	82	0	2	7
chr2	16408768	16408809	-	2	41	3	2	6
chr2	16435598	16435706	At2g39340	4	108	1	4	19
chr2	16436219	16436290	At2g39340	3	71	1	7	12
chr2	16445105	16445274	At2g39360	6	169	4	9	16
chr2	16452729	16452842	-	4	113	2	0	16
chr2	16453803	16453877	-	3	74	3	4	7
chr2	16454895	16454966	At2g39380	3	71	1	5	9
chr2	16469734	16469841	At2g39420	4	107	4	6	17
chr2	16472655	16472982	At2g39440	10	327	7	12	33
chr2	16473281	16473427	At2g39440	5	146	2	5	18
chr2	16481784	16481859	-	3	75	3	2	13
chr2	16487413	16487486	At2g39480	3	73	2	5	10
chr2	16489839	16489918	At2g39480	3	79	2	3	7
chr2	16490764	16490906	At2g39480	5	142	4	7	15
chr2	16491911	16491989	At2g39480	3	78	6	6	10
chr2	16512239	16512347	At2g39560	4	108	2	3	16
chr2	16517243	16517318	At2g39570	3	75	1	2	9
chr2	16517825	16517866	At2g39580	2	41	0	3	11
chr2	16520523	16520707	At2g39580	6	184	4	6	26
chr2	16525153	16525223	At2g39590	3	70	0	0	14
chr2	16528461	16528535	At2g39620	3	74	1	3	18
chr2	16537030	16537104	-	3	74	1	1	11
chr2	16539362	16539508	At2g39660	5	146	5	9	25
chr2	16550117	16550192	At2g39690	3	75	0	3	15
chr2	16553389	16553517	-	4	128	0	5	9
chr2	16564245	16564350	At2g39705	4	105	5	3	18
chr2	16592625	16592739	At2g39760	4	114	1	3	13
chr2	16592960	16593028	At2g39760	3	68	2	1	18
chr2	16593622	16593725	-	4	103	4	1	17
chr2	16600824	16600963	At2g39780	5	139	3	3	13
chr2	16610131	16610203	At2g39800	3	72	0	5	17
chr2	16622461	16622532	At2g39810	3	71	2	2	10
chr2	16638768	16638835	At2g39850	3	67	5	4	12
chr2	16664286	16664467	At2g39890	6	181	4	8	21
chr2	16679281	16679356	At2g39930	3	75	2	1	9
chr2	16691456	16691528	At2g39970	3	72	2	4	11
chr2	16731570	16731676	At2g40050	4	106	3	2	22
chr2	16741413	16741459	At2g40080	2	46	0	1	8
chr2	16759054	16759197	At2g40116	5	143	14	8	16
chr2	16763563	16763638	At2g40120	3	75	0	3	3
chr2	16766948	16767056	-	4	108	3	5	10
chr2	16785670	16785735	At2g40160	3	65	0	2	4
chr2	16789307	16789416	-	4	109	4	1	20
chr2	16803048	16803156	-	4	108	2	2	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	16831394	16831542	At2g40270	5	148	6	5	20
chr2	16837059	16837130	At2g40290	3	71	2	6	10
chr2	16855594	16855698	At2g40340	4	104	3	5	8
chr2	16856658	16856732	At2g40340	3	74	3	1	6
chr2	16862888	16863001	At2g40360	4	113	0	2	12
chr2	16866079	16866149	At2g40370	3	70	9	7	11
chr2	16866444	16866550	At2g40370	4	106	7	5	13
chr2	16866977	16867048	At2g40370	3	71	3	2	22
chr2	16876615	16876722	At2g40400	4	107	9	8	3
chr2	16898436	16898477	-	2	41	1	1	8
chr2	16909374	16909430	-	2	56	1	3	6
chr2	16910874	16910954	-	3	80	1	3	15
chr2	16916146	16916217	-	3	71	1	1	9
chr2	16926258	16926333	At2g40510	3	75	2	1	7
chr2	16932184	16932448	At2g40520	8	264	5	13	44
chr2	16934713	16934859	At2g40530	5	146	6	6	22
chr2	16943148	16943313	At2g40550	5	165	0	7	18
chr2	16948896	16949036	At2g40570	5	140	1	3	31
chr2	16962958	16963032	At2g40620	3	74	0	2	10
chr2	16964699	16964879	-	6	180	3	1	6
chr2	16975294	16975402	At2g40660	4	108	0	6	10
chr2	16987747	16987848	-	4	101	1	4	15
chr2	16990179	16990318	-	5	139	2	3	21
chr2	16993818	16993962	-	5	144	0	2	22
chr2	16994180	16994251	-	3	71	4	1	9
chr2	17001894	17001963	At2g40730	3	69	1	6	7
chr2	17003035	17003152	At2g40730	4	117	3	4	15
chr2	17003256	17003332	At2g40730	3	76	4	3	6
chr2	17004212	17004326	-	4	114	7	2	10
chr2	17008406	17008477	At2g40750	3	71	0	1	14
chr2	17017538	17017720	At2g40760	6	182	4	4	28
chr2	17019449	17019518	At2g40765	3	69	6	9	12
chr2	17021580	17021865	At2g40770	9	285	4	11	27
chr2	17029897	17029963	-	3	66	1	4	7
chr2	17046119	17046479	At2g40820	11	360	4	11	30
chr2	17055461	17055574	At2g40840	4	113	2	5	18
chr2	17057226	17057328	At2g40840	4	102	2	4	25
chr2	17072288	17072368	At2g40900	3	80	3	0	7
chr2	17072514	17072581	At2g40900	3	67	1	5	6
chr2	17077586	17077661	At2g40910	3	75	2	4	11
chr2	17082163	17082234	At2g40925	3	71	2	4	11
chr2	17083835	17083876	At2g40930	2	41	1	2	9
chr2	17089421	17089497	At2g40930	3	76	4	5	9
chr2	17092703	17092773	At2g40940	3	70	3	2	15
chr2	17097656	17097803	-	5	147	1	1	16
chr2	17105499	17105607	At2g40970	4	108	3	4	24
chr2	17106100	17106214	-	4	114	3	3	15
chr2	17109753	17109858	At2g40980	4	105	2	3	21
chr2	17123390	17123531	-	5	141	7	6	9
chr2	17126342	17126443	At2g41020	4	101	1	5	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	17129545	17129658	At2g41040	4	113	5	5	12
chr2	17130582	17130652	At2g41050	3	70	1	2	14
chr2	17135984	17136027	At2g41060	2	43	0	0	4
chr2	17151195	17151363	At2g41130	6	168	3	6	17
chr2	17159824	17159887	At2g41140	3	63	1	3	8
chr2	17161602	17161741	At2g41150	5	139	4	3	24
chr2	17162211	17162323	At2g41150	4	112	6	4	14
chr2	17163388	17163463	At2g41160	3	75	3	3	16
chr2	17172455	17172565	At2g41180	4	110	9	9	13
chr2	17186333	17186439	At2g41220	4	106	0	4	20
chr2	17205430	17205509	At2g41240	3	79	4	2	10
chr2	17208739	17208808	At2g41250	3	69	0	6	7
chr2	17231653	17231866	-	7	213	11	10	39
chr2	17235231	17235333	At2g41330	4	102	4	3	30
chr2	17239940	17240015	At2g41350	3	75	1	2	10
chr2	17251382	17251455	-	3	73	1	2	9
chr2	17269123	17269238	At2g41410	4	115	6	5	13
chr2	17269530	17269676	At2g41410	5	146	8	7	17
chr2	17271113	17271193	-	3	80	1	3	9
chr2	17277037	17277182	At2g41430	5	145	3	5	20
chr2	17283575	17283680	At2g41440	4	105	1	4	20
chr2	17298546	17298661	-	4	115	5	3	15
chr2	17300134	17300366	At2g41470	7	232	6	4	25
chr2	17310020	17310134	At2g41490	4	114	2	4	15
chr2	17322151	17322373	At2g41510	7	222	6	11	22
chr2	17329526	17329604	At2g41520	3	78	2	4	10
chr2	17330052	17330351	At2g41520	9	299	2	6	33
chr2	17352503	17352576	At2g41600	3	73	3	1	9
chr2	17361336	17361401	At2g41620	3	65	2	4	9
chr2	17362485	17362596	At2g41630	4	111	1	1	15
chr2	17369142	17369249	At2g41640	4	107	8	8	15
chr2	17375018	17375090	At2g41660	3	72	2	5	8
chr2	17375371	17375441	At2g41660	3	70	7	6	10
chr2	17379859	17379955	-	3	96	2	1	10
chr2	17380318	17380424	-	4	106	2	1	7
chr2	17381955	17382029	At2g41670	3	74	3	3	13
chr2	17384442	17384622	At2g41680	6	180	6	11	20
chr2	17386421	17386488	-	3	67	3	4	12
chr2	17390540	17390685	At2g41700	5	145	2	4	23
chr2	17391148	17391223	At2g41700	3	75	1	2	8
chr2	17405455	17405560	At2g41705	4	105	3	6	4
chr2	17406824	17406897	At2g41705	3	73	2	3	19
chr2	17407456	17407566	At2g41710	4	110	1	4	21
chr2	17414485	17414700	-	7	215	3	3	28
chr2	17426258	17426330	At2g41745	3	72	2	3	11
chr2	17429649	17429725	-	3	76	7	3	3
chr2	17430003	17430074	At2g41760	3	71	2	3	5
chr2	17431381	17431422	At2g41760	2	41	0	2	9
chr2	17435899	17436039	-	5	140	4	5	14
chr2	17436291	17436364	-	3	73	1	2	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	17437290	17437397	At2g41790	4	107	2	6	20
chr2	17440230	17440400	At2g41790	6	170	1	2	23
chr2	17446799	17446926	At2g41810	4	127	9	9	14
chr2	17465442	17465585	At2g41835	5	143	2	3	28
chr2	17471564	17471683	-	4	119	1	3	14
chr2	17482634	17482702	At2g41880	3	68	0	2	16
chr2	17485494	17485632	At2g41890	5	138	3	9	11
chr2	17494233	17494305	-	3	72	2	0	15
chr2	17500617	17500659	At2g41900	2	42	0	2	16
chr2	17513263	17513309	-	2	46	0	1	2
chr2	17517661	17517729	-	3	68	1	1	12
chr2	17519711	17519888	At2g41945	6	177	4	10	15
chr2	17522996	17523144	At2g41960	5	148	1	7	17
chr2	17526005	17526072	At2g41960	3	67	4	3	9
chr2	17533632	17533778	-	5	146	0	8	22
chr2	17540996	17541068	At2g42010	3	72	1	2	7
chr2	17551912	17551984	At2g42040	3	72	3	2	29
chr2	17559947	17560062	-	4	115	4	4	18
chr2	17569118	17569236	-	3	118	1	0	13
chr2	17572797	17573017	At2g42120	7	220	8	9	14
chr2	17574430	17574503	At2g42130	3	73	0	4	15
chr2	17581380	17581523	At2g42150	5	143	4	9	19
chr2	17582198	17582375	At2g42160	6	177	1	5	19
chr2	17594108	17594187	-	3	79	0	0	14
chr2	17596399	17596470	At2g42200	3	71	2	3	14
chr2	17602881	17603022	At2g42230	5	141	2	5	13
chr2	17611470	17611574	At2g42270	4	104	6	6	16
chr2	17613632	17613704	At2g42270	3	72	2	6	12
chr2	17617200	17617271	At2g42270	3	71	3	4	12
chr2	17628760	17628838	At2g42300	3	78	3	5	9
chr2	17629232	17629414	At2g42300	6	182	5	5	26
chr2	17629878	17629919	At2g42300	2	41	0	2	19
chr2	17634011	17634052	-	2	41	1	1	7
chr2	17647903	17648012	At2g42360	4	109	1	4	7
chr2	17649087	17649191	-	4	104	3	11	8
chr2	17651755	17651833	At2g42370	3	78	0	5	8
chr2	17659358	17659429	At2g42390	3	71	1	2	10
chr2	17659908	17660076	-	6	168	2	2	22
chr2	17663157	17663230	At2g42400	3	73	3	4	14
chr2	17663692	17663762	At2g42400	3	70	2	1	6
chr2	17665579	17665694	At2g42410	4	115	1	5	18
chr2	17679920	17679997	At2g42450	3	77	3	2	13
chr2	17680196	17680263	At2g42450	3	67	3	4	12
chr2	17681203	17681273	At2g42450	3	70	1	4	9
chr2	17684789	17684865	At2g42460	3	76	2	2	11
chr2	17691039	17691112	At2g42470	3	73	1	2	6
chr2	17693600	17693700	At2g42480	4	100	4	4	11
chr2	17695979	17696052	At2g42480	3	73	1	5	7
chr2	17702549	17702626	At2g42490	3	77	4	3	13
chr2	17708432	17708527	At2g42500	4	95	4	1	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	17713387	17713505	At2g42520	4	118	1	8	15
chr2	17714796	17714867	At2g42520	3	71	0	2	13
chr2	17720895	17720965	At2g42550	3	70	3	2	18
chr2	17722359	17722429	At2g42560	3	70	2	2	8
chr2	17726479	17726522	At2g42570	2	43	0	1	5
chr2	17730068	17730179	-	4	111	2	6	14
chr2	17731502	17731543	-	2	41	1	1	10
chr2	17736942	17737087	At2g42580	5	145	10	12	17
chr2	17739668	17739778	At2g42590	4	110	1	3	20
chr2	17740795	17740901	At2g42590	4	106	5	4	10
chr2	17741774	17741888	At2g42600	4	114	3	5	23
chr2	17769263	17769367	At2g42640	4	104	3	4	12
chr2	17779966	17780083	At2g42670	4	117	2	4	9
chr2	17783695	17784011	At2g42690	10	316	8	13	27
chr2	17790068	17790247	At2g42710	6	179	2	0	37
chr2	17798548	17798589	At2g42730	2	41	2	0	11
chr2	17808050	17808293	At2g42780	8	243	3	6	33
chr2	17812563	17812669	At2g42790	4	106	5	5	14
chr2	17817579	17817681	-	4	102	1	1	14
chr2	17821905	17822013	At2g42810	4	108	2	5	13
chr2	17823371	17823522	At2g42810	5	151	3	3	14
chr2	17828140	17828247	At2g42830	4	107	1	3	7
chr2	17831247	17831297	-	2	50	0	2	8
chr2	17831867	17832047	-	6	180	1	2	17
chr2	17832730	17832775	-	2	45	0	0	12
chr2	17833297	17833370	At2g42840	3	73	0	2	8
chr2	17833887	17834099	At2g42840	7	212	2	6	58
chr2	17849292	17849367	At2g42880	3	75	1	3	14
chr2	17860095	17860168	At2g42890	3	73	1	5	13
chr2	17862213	17862289	At2g42900	3	76	6	6	21
chr2	17862987	17863028	-	2	41	1	0	11
chr2	17869998	17870070	At2g42940	3	72	0	4	9
chr2	17877834	17877905	-	3	71	1	0	12
chr2	17878440	17878513	-	3	73	0	2	21
chr2	17885656	17885800	-	5	144	1	2	18
chr2	17886743	17886817	At2g42990	3	74	1	6	10
chr2	17897410	17897592	-	6	182	4	2	20
chr2	17929982	17930090	At2g43110	4	108	1	2	20
chr2	17930941	17931050	At2g43110	4	109	0	3	13
chr2	17932485	17932559	-	3	74	2	2	7
chr2	17941599	17941664	At2g43140	2	65	0	0	10
chr2	17956978	17957081	At2g43160	4	103	1	7	23
chr2	17962872	17962947	At2g43180	3	75	2	5	10
chr2	17963571	17963639	At2g43190	3	68	1	3	17
chr2	17966975	17967050	At2g43200	3	75	1	5	13
chr2	17989699	17989769	-	3	70	3	3	13
chr2	17991323	17991432	At2g43260	4	109	2	6	14
chr2	17995924	17995999	At2g43270	3	75	2	2	6
chr2	18006122	18006229	At2g43320	4	107	3	9	17
chr2	18018849	18018915	At2g43360	3	66	0	2	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	18027431	18027535	At2g43390	4	104	3	0	17
chr2	18027817	18027888	At2g43390	3	71	5	4	8
chr2	18031983	18032029	At2g43400	2	46	1	0	9
chr2	18040870	18041011	At2g43420	5	141	5	3	15
chr2	18044505	18044619	At2g43430	4	114	1	1	18
chr2	18046758	18046833	At2g43440	3	75	4	6	7
chr2	18061307	18061405	At2g43480	4	98	5	3	17
chr2	18068968	18069009	-	2	41	2	2	6
chr2	18073228	18073299	At2g43500	3	71	4	4	8
chr2	18074255	18074364	At2g43510	4	109	2	1	11
chr2	18077160	18077235	-	3	75	0	3	13
chr2	18081320	18081466	At2g43560	5	146	2	6	11
chr2	18085499	18085567	-	3	68	0	3	2
chr2	18106732	18106808	At2g43650	3	76	1	3	12
chr2	18108556	18108628	At2g43650	3	72	0	4	15
chr2	18118220	18118366	At2g43680	5	146	1	4	20
chr2	18122619	18122691	-	3	72	1	0	6
chr2	18124622	18124764	At2g43700	5	142	3	8	21
chr2	18134045	18134146	At2g43740	4	101	5	5	19
chr2	18135510	18135620	-	4	110	0	0	19
chr2	18139572	18139613	At2g43750	2	41	0	1	6
chr2	18141282	18141355	At2g43770	3	73	2	1	10
chr2	18144211	18144280	-	3	69	1	1	5
chr2	18150785	18150918	-	5	133	0	2	22
chr2	18155573	18155713	At2g43800	5	140	9	9	16
chr2	18156695	18156799	At2g43810	4	104	1	3	28
chr2	18159246	18159323	-	3	77	1	1	9
chr2	18160130	18160201	At2g43820	3	71	2	5	5
chr2	18163034	18163108	At2g43830	2	74	3	0	9
chr2	18166605	18166679	At2g43850	3	74	0	2	8
chr2	18185292	18185399	At2g43890	4	107	11	6	13
chr2	18188196	18188269	At2g43900	3	73	0	4	12
chr2	18188813	18188958	At2g43900	5	145	3	7	9
chr2	18190347	18190452	At2g43900	4	105	2	4	10
chr2	18192396	18192498	At2g43910	4	102	3	7	12
chr2	18220818	18220889	At2g43990	3	71	0	3	15
chr2	18221944	18222009	At2g44000	3	65	5	4	5
chr2	18228660	18228803	-	5	143	2	2	26
chr2	18240650	18240756	-	4	106	2	2	17
chr2	18264033	18264405	At2g44140	11	372	5	7	33
chr2	18266191	18266267	At2g44150	3	76	1	1	14
chr2	18268958	18269065	-	4	107	2	1	7
chr2	18273528	18273777	At2g44170	8	249	6	12	28
chr2	18273917	18273983	At2g44170	3	66	1	6	8
chr2	18283941	18284013	At2g44200	3	72	1	6	14
chr2	18284559	18284778	At2g44200	7	219	4	3	45
chr2	18285047	18285152	At2g44200	4	105	1	6	24
chr2	18292291	18292362	At2g44220	3	71	0	2	5
chr2	18294386	18294492	At2g44230	4	106	5	4	10
chr2	18301915	18301979	At2g44250	3	64	1	3	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	18306679	18306747	At2g44270	3	68	1	3	7
chr2	18311010	18311051	-	2	41	3	1	2
chr2	18312601	18312678	At2g44290	3	77	4	9	16
chr2	18316361	18316476	At2g44310	4	115	12	2	15
chr2	18322083	18322151	-	3	68	2	2	20
chr2	18328599	18328710	At2g44360	4	111	3	6	10
chr2	18333279	18333352	At2g44390	3	73	5	5	9
chr2	18341274	18341384	At2g44430	4	110	6	9	21
chr2	18345454	18345525	At2g44440	3	71	0	1	8
chr2	18347318	18347470	-	5	152	6	6	12
chr2	18366543	18366613	-	3	70	2	2	11
chr2	18374453	18374532	At2g44490	3	79	2	3	15
chr2	18380982	18381091	-	4	109	1	2	13
chr2	18388454	18388521	At2g44520	3	67	2	4	8
chr2	18394607	18394709	At2g44540	4	102	3	5	21
chr2	18395984	18396055	At2g44550	3	71	0	3	16
chr2	18423565	18423718	At2g44630	5	153	7	5	22
chr2	18430141	18430246	-	4	105	4	3	14
chr2	18443361	18443579	At2g44710	7	218	5	4	35
chr2	18450582	18450623	-	2	41	0	0	7
chr2	18453244	18453321	-	3	77	2	2	15
chr2	18463746	18463798	-	2	52	0	0	10
chr2	18467046	18467196	At2g44770	5	150	3	1	18
chr2	18476711	18476789	-	3	78	1	0	5
chr2	18483890	18483997	-	4	107	1	1	21
chr2	18486442	18486553	At2g44810	4	111	9	6	21
chr2	18496072	18496129	-	2	57	0	0	11
chr2	18498158	18498308	At2g44830	5	150	2	9	20
chr2	18498753	18498821	At2g44830	3	68	3	3	11
chr2	18499740	18499810	At2g44830	3	70	3	8	14
chr2	18501146	18501254	-	4	108	6	4	12
chr2	18502314	18502387	-	3	73	2	0	4
chr2	18503997	18504069	-	3	72	0	0	15
chr2	18506508	18506614	At2g44850	4	106	2	4	19
chr2	18511336	18511442	At2g44870	4	106	0	1	19
chr2	18513029	18513135	At2g44880	4	106	1	6	17
chr2	18521222	18521330	At2g44900	4	108	2	6	9
chr2	18523260	18523401	-	5	141	4	4	23
chr2	18524543	18524651	-	4	108	3	7	15
chr2	18531501	18531607	At2g44920	4	106	3	7	6
chr2	18532321	18532392	At2g44920	3	71	0	2	14
chr2	18549497	18549569	At2g44950	3	72	0	1	6
chr2	18550758	18550799	At2g44950	2	41	1	1	7
chr2	18555532	18555637	At2g44950	4	105	3	6	8
chr2	18556243	18556310	At2g44970	3	67	2	6	7
chr2	18569767	18569838	-	2	71	0	0	9
chr2	18573117	18573266	At2g45000	5	149	2	7	22
chr2	18584040	18584224	At2g45030	6	184	3	3	15
chr2	18584925	18585002	At2g45040	3	77	6	4	2
chr2	18588959	18589067	-	4	108	3	3	15

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	18604946	18605156	At2g45100	7	210	4	10	18
chr2	18616741	18616879	At2g45135	5	138	3	9	15
chr2	18622837	18622944	-	4	107	1	4	14
chr2	18625389	18625492	At2g45160	4	103	6	5	14
chr2	18631330	18631382	-	2	52	2	1	7
chr2	18637990	18638129	-	5	139	2	6	13
chr2	18644009	18644082	-	3	73	1	0	6
chr2	18653443	18653520	At2g45220	3	77	2	0	13
chr2	18669789	18669899	-	4	110	1	5	15
chr2	18671529	18671614	-	3	85	6	2	5
chr2	18673655	18673759	At2g45270	4	104	7	8	7
chr2	18677905	18678011	At2g45280	4	106	1	5	15
chr2	18695002	18695109	At2g45330	4	107	0	2	19
chr2	18705275	18705375	-	4	100	2	4	6
chr2	18706400	18706526	At2g45360	4	126	3	3	12
chr2	18709069	18709116	At2g45380	2	47	4	4	2
chr2	18710331	18710403	-	3	72	2	4	11
chr2	18720663	18720914	-	8	251	2	4	21
chr2	18749880	18750026	At2g45470	5	146	14	14	17
chr2	18750605	18750748	At2g45470	5	143	10	9	21
chr2	18766365	18766509	At2g45540	5	144	1	8	29
chr2	18771753	18772043	At2g45540	9	290	6	17	19
chr2	18773863	18773934	At2g45540	3	71	1	2	10
chr2	18793977	18794089	At2g45590	4	112	12	10	3
chr2	18797269	18797378	At2g45600	4	109	10	2	18
chr2	18800017	18800058	At2g45620	2	41	5	4	5
chr2	18805958	18806030	-	3	72	0	3	9
chr2	18814676	18814752	At2g45660	3	76	0	2	17
chr2	18817596	18817885	At2g45660	8	289	4	4	39
chr2	18828589	18828837	At2g45680	8	248	15	14	26
chr2	18829910	18829986	-	3	76	4	2	10
chr2	18836460	18836609	At2g45700	5	149	1	6	16
chr2	18837267	18837366	At2g45700	4	99	1	2	20
chr2	18843593	18843707	At2g45730	4	114	0	3	15
chr2	18844353	18844450	At2g45730	4	97	0	8	6
chr2	18860363	18860405	At2g45770	2	42	1	3	13
chr2	18879073	18879247	At2g45850	6	174	3	8	21
chr2	18880425	18880467	At2g45850	2	42	3	5	8
chr2	18882586	18882666	At2g45860	3	80	1	1	10
chr2	18891509	18891612	At2g45890	4	103	4	2	25
chr2	18892237	18892306	At2g45890	3	69	1	7	7
chr2	18909059	18909183	At2g45930	4	124	2	4	14
chr2	18910317	18910467	At2g45940	5	150	6	7	17
chr2	18911073	18911145	At2g45940	3	72	3	2	9
chr2	18927692	18928011	At2g45990	10	319	4	11	29
chr2	18946838	18946909	At2g46050	3	71	1	3	16
chr2	18952012	18952114	At2g46060	4	102	3	3	17
chr2	18966190	18966234	At2g46140	2	44	1	2	8
chr2	18977651	18977718	At2g46180	3	67	1	4	10
chr2	18981471	18981513	-	2	42	1	2	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	18986995	18987098	At2g46220	4	103	3	3	18
chr2	18991722	18991763	At2g46230	2	41	0	3	6
chr2	18995207	18995354	At2g46240	5	147	3	5	24
chr2	18997142	18997183	-	2	41	0	0	6
chr2	18997443	18997559	-	4	116	0	1	15
chr2	18999217	18999355	At2g46250	5	138	4	5	24
chr2	19010439	19010587	At2g46270	5	148	3	5	14
chr2	19015916	19015996	At2g46300	3	80	9	4	15
chr2	19028601	19028674	-	3	73	0	2	13
chr2	19035811	19035911	At2g46360	4	100	1	5	19
chr2	19036195	19036301	-	4	106	3	2	11
chr2	19046430	19046534	-	4	104	5	4	15
chr2	19049616	19049767	At2g46390	5	151	3	5	13
chr2	19051224	19051368	At2g46400	5	144	1	5	18
chr2	19058736	19058808	-	3	72	1	0	17
chr2	19062663	19062770	At2g46420	4	107	1	7	13
chr2	19062996	19063101	At2g46420	4	105	0	4	23
chr2	19067585	19067656	At2g46430	3	71	0	5	16
chr2	19067912	19067982	At2g46430	3	70	2	0	6
chr2	19070625	19070699	At2g46440	3	74	2	2	18
chr2	19071130	19071206	At2g46440	3	76	0	4	11
chr2	19075197	19075305	At2g46450	4	108	5	3	14
chr2	19085216	19085320	At2g46480	4	104	0	6	10
chr2	19087022	19087075	At2g46490	2	53	1	1	7
chr2	19098221	19098291	At2g46510	3	70	1	2	11
chr2	19111581	19111738	-	5	157	6	4	24
chr2	19118760	19118831	At2g46540	3	71	7	5	5
chr2	19124040	19124185	At2g46560	5	145	3	2	21
chr2	19127856	19127929	At2g46560	3	73	0	3	8
chr2	19128451	19128555	At2g46560	4	104	1	4	16
chr2	19131926	19132069	At2g46560	5	143	2	6	20
chr2	19135895	19135971	At2g46570	3	76	1	4	10
chr2	19136943	19137013	At2g46580	3	70	2	3	8
chr2	19156390	19156454	At2g46640	3	64	3	2	18
chr2	19160557	19160669	At2g46660	4	112	4	2	6
chr2	19161773	19161888	At2g46660	4	115	7	4	7
chr2	19164159	19164260	-	4	101	2	0	15
chr2	19182486	19182556	-	2	70	0	0	5
chr2	19188336	19188412	At2g46690	3	76	0	2	21
chr2	19190638	19190783	At2g46700	5	145	4	4	12
chr2	19195551	19195601	-	2	50	1	0	10
chr2	19196471	19196577	-	4	106	1	2	13
chr2	19217636	19217711	At2g46750	3	75	7	4	11
chr2	19218756	19218805	-	2	49	1	0	3
chr2	19230568	19230681	-	4	113	2	0	18
chr2	19240080	19240219	At2g46790	5	139	2	4	14
chr2	19257793	19257978	-	6	185	7	5	8
chr2	19267446	19267545	-	4	99	1	5	17
chr2	19272738	19272801	At2g46880	3	63	2	1	17
chr2	19274225	19274302	At2g46890	3	77	5	6	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	19278994	19279099	At2g46900	4	105	0	2	21
chr2	19285066	19285171	At2g46920	3	105	1	3	18
chr2	19285823	19285931	At2g46920	4	108	3	9	10
chr2	19293160	19293276	At2g46930	4	116	1	3	9
chr2	19295947	19296053	-	4	106	5	4	16
chr2	19314526	19314671	-	5	145	3	2	12
chr2	19319118	19319233	At2g47000	4	115	3	6	18
chr2	19327401	19327509	At2g47020	4	108	2	6	12
chr2	19351727	19351802	-	3	75	4	4	8
chr2	19352994	19353071	At2g47115	3	77	2	4	11
chr2	19358583	19358653	At2g47140	3	70	6	5	16
chr2	19367216	19367327	At2g47160	4	111	1	4	2
chr2	19375464	19375560	At2g47170	4	96	1	4	16
chr2	19384802	19384874	At2g47200	3	72	0	4	10
chr2	19392965	19393038	At2g47220	3	73	1	3	18
chr2	19400816	19400897	At2g47240	3	81	1	2	11
chr2	19401808	19401879	At2g47240	3	71	5	3	13
chr2	19407844	19408068	At2g47250	7	224	4	9	29
chr2	19408318	19408424	At2g47250	4	106	2	7	14
chr2	19413951	19414023	At2g47260	3	72	3	5	12
chr2	19414366	19414461	-	3	95	3	2	13
chr2	19417637	19417678	-	2	41	1	1	6
chr2	19435728	19435804	At2g47320	3	76	5	2	14
chr2	19438185	19438300	At2g47330	4	115	6	9	6
chr2	19450839	19450982	At2g47390	5	143	5	9	17
chr2	19451089	19451263	At2g47390	6	174	3	6	17
chr2	19504358	19504539	At2g47500	6	181	4	12	29
chr2	19506691	19506838	At2g47510	5	147	3	3	18
chr2	19514653	19514727	-	3	74	0	3	10
chr2	19518052	19518266	At2g47550	7	214	8	6	27
chr2	19537704	19537774	At2g47610	3	70	1	5	9
chr2	19543938	19544040	At2g47630	4	102	2	2	15
chr2	19552643	19552828	-	6	185	6	5	25
chr2	19556348	19556423	At2g47680	3	75	0	6	11
chr2	19558438	19558688	At2g47690	8	250	8	9	42
chr2	19559015	19559118	At2g47690	4	103	2	4	17
chr2	19559804	19559882	At2g47700	3	78	1	3	17
chr2	19566455	19566529	At2g47730	3	74	2	2	6
chr2	19575451	19575524	-	3	73	4	2	10
chr2	19579617	19579658	At2g47790	2	41	5	4	10
chr2	19590152	19590223	At2g47810	3	71	5	4	6
chr2	19593188	19593470	-	9	282	4	7	51
chr2	19594430	19594494	-	2	64	2	1	3
chr2	19608854	19609111	At2g47860	8	257	11	11	41
chr2	19616322	19616397	At2g47890	3	75	1	1	12
chr2	19629436	19629513	-	3	77	0	1	12
chr2	19631798	19631904	At2g47950	4	106	3	0	15
chr2	19634708	19634897	At2g47960	6	189	4	6	27
chr2	19637893	19637998	At2g47970	4	105	6	9	18
chr2	19663578	19663721	At2g48050	5	143	3	5	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr2	19668492	19668563	At2g48060	3	71	1	2	15
chr2	19681728	19681799	At2g48110	3	71	1	6	10
chr2	19682617	19682799	At2g48110	6	182	3	8	25
chr2	19690484	19690559	-	3	75	0	3	7
chr2	19701909	19702014	At2g48160	4	105	2	3	16
chr3	12055	12127	At3g01040	3	72	1	8	9
chr3	18026	18125	At3g01060	4	99	0	0	13
chr3	19090	19165	-	3	75	3	1	11
chr3	26497	26565	At3g01080	3	68	2	5	15
chr3	33710	33781	At3g01090	3	71	2	1	13
chr3	49988	50173	-	6	185	1	6	21
chr3	56544	56648	At3g01160	4	104	1	2	12
chr3	67482	67553	At3g01190	3	71	7	5	8
chr3	69985	70034	At3g01200	2	49	0	2	6
chr3	73263	73339	-	3	76	1	1	10
chr3	73695	73808	At3g01220	4	113	0	2	12
chr3	85089	85200	-	4	111	3	2	12
chr3	87776	87881	At3g01280	4	105	1	3	20
chr3	98029	98138	At3g01310	4	109	1	5	10
chr3	100327	100427	At3g01310	4	100	1	2	17
chr3	107476	107584	At3g01320	4	108	3	3	16
chr3	110104	110293	At3g01320	6	189	0	10	24
chr3	110474	110576	At3g01320	4	102	1	5	23
chr3	125357	125498	At3g01330	5	141	2	7	26
chr3	138165	138239	At3g01360	3	74	6	7	11
chr3	138531	138640	At3g01360	4	109	6	8	14
chr3	143936	144013	-	3	77	0	2	7
chr3	154465	154706	At3g01410	8	241	7	13	35
chr3	156451	156526	-	3	75	3	2	16
chr3	158016	158120	-	4	104	3	0	9
chr3	160636	160773	At3g01420	5	137	4	4	22
chr3	174049	174126	At3g01460	3	77	2	2	11
chr3	189685	189753	At3g01480	3	68	1	4	17
chr3	202003	202150	-	5	147	5	4	10
chr3	209315	209390	At3g01520	3	75	0	4	12
chr3	213935	214085	At3g01540	5	150	1	10	15
chr3	220507	220584	At3g01560	3	77	2	4	9
chr3	230059	230161	At3g01600	4	102	2	5	9
chr3	231063	231131	At3g01600	3	68	1	3	11
chr3	235074	235183	At3g01610	4	109	2	4	10
chr3	255349	255461	At3g01680	4	112	1	1	14
chr3	257491	257631	At3g01690	5	140	7	11	13
chr3	257960	258027	At3g01690	3	67	2	3	16
chr3	270004	270075	-	3	71	4	1	5
chr3	270510	270655	At3g01750	5	145	5	7	11
chr3	272109	272248	At3g01750	5	139	5	8	17
chr3	273967	274193	At3g01760	7	226	5	11	25
chr3	274405	274476	At3g01760	3	71	1	3	14
chr3	275036	275103	At3g01760	3	67	0	3	15
chr3	278379	278452	At3g01770	3	73	3	6	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	278858	278969	-	4	111	6	6	7
chr3	280604	280671	At3g01780	3	67	1	3	16
chr3	282863	283067	At3g01780	7	204	7	7	40
chr3	285062	285131	At3g01790	3	69	0	2	18
chr3	293463	293538	-	3	75	1	2	11
chr3	302874	302946	At3g01860	3	72	2	1	10
chr3	307914	307987	At3g01880	2	73	1	0	6
chr3	310093	310168	At3g01890	3	75	1	2	18
chr3	317200	317307	At3g01910	4	107	6	4	25
chr3	317601	317674	At3g01920	3	73	5	1	16
chr3	329746	329818	-	3	72	1	1	16
chr3	335596	335637	-	2	41	0	1	3
chr3	346214	346266	At3g02030	2	52	0	1	9
chr3	348346	348481	At3g02030	5	135	2	5	16
chr3	357488	357640	At3g02060	5	152	3	2	27
chr3	360269	360379	At3g02065	4	110	3	6	17
chr3	384351	384420	At3g02130	3	69	0	1	16
chr3	386974	387046	-	3	72	6	4	5
chr3	412873	412949	At3g02220	3	76	0	3	11
chr3	416450	416520	At3g02230	3	70	3	3	8
chr3	416789	416860	At3g02230	3	71	2	4	18
chr3	434717	434792	At3g02260	3	75	0	4	10
chr3	443153	443296	At3g02260	5	143	3	8	12
chr3	443978	444186	At3g02260	7	208	3	9	11
chr3	448183	448224	At3g02260	2	41	3	2	8
chr3	460261	460404	At3g02290	5	143	4	5	16
chr3	469439	469484	-	2	45	0	1	3
chr3	475432	475504	At3g02330	3	72	3	4	10
chr3	492847	492990	At3g02410	5	143	5	3	20
chr3	497132	497204	At3g02420	3	72	3	5	10
chr3	497927	497998	At3g02420	3	71	2	6	8
chr3	501861	501975	At3g02440	4	114	5	0	18
chr3	529039	529149	At3g02530	4	110	4	5	13
chr3	530330	530513	At3g02530	6	183	2	11	8
chr3	534370	534513	At3g02540	5	143	3	6	16
chr3	540657	540729	At3g02555	3	72	1	2	5
chr3	541170	541246	At3g02555	3	76	1	2	14
chr3	547181	547254	At3g02580	3	73	3	5	2
chr3	555031	555101	-	3	70	2	1	13
chr3	565465	565541	At3g02640	3	76	5	2	25
chr3	569638	569741	At3g02650	4	103	1	6	20
chr3	571783	571880	At3g02660	4	97	2	5	7
chr3	575906	576014	-	4	108	6	6	6
chr3	579705	579774	At3g02690	3	69	4	3	7
chr3	590526	590785	At3g02740	8	259	15	13	23
chr3	605585	605658	-	3	73	3	1	16
chr3	606725	606799	At3g02800	3	74	1	3	8
chr3	607529	607646	At3g02800	4	117	5	4	13
chr3	614371	614448	At3g02830	3	77	2	3	14
chr3	618938	619013	At3g02840	3	75	6	6	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	627166	627207	At3g02860	2	41	2	0	5
chr3	630345	630419	-	3	74	1	3	7
chr3	633166	633240	At3g02875	3	74	1	5	14
chr3	636985	637124	At3g02880	5	139	3	3	18
chr3	650023	650131	At3g02910	4	108	6	5	11
chr3	659362	659520	-	5	158	3	4	16
chr3	660165	660309	-	5	144	4	1	16
chr3	675042	675142	At3g02990	4	100	4	7	19
chr3	675589	675705	At3g02990	4	116	2	4	19
chr3	677591	677659	At3g03000	3	68	8	7	7
chr3	679579	679758	At3g03010	6	179	4	6	30
chr3	685283	685423	At3g03040	5	140	3	7	16
chr3	690713	690789	At3g03050	3	76	3	5	15
chr3	693459	693533	At3g03060	3	74	1	2	20
chr3	699713	699859	At3g03080	5	146	0	6	13
chr3	701205	701307	At3g03090	4	102	1	7	14
chr3	715279	715347	At3g03110	3	68	0	5	7
chr3	724876	724985	At3g03140	4	109	1	4	23
chr3	730351	730461	At3g03160	4	110	1	2	15
chr3	732398	732542	At3g03170	5	144	9	4	15
chr3	736855	736925	At3g03200	3	70	2	1	8
chr3	742300	742376	At3g03210	3	76	0	2	9
chr3	755489	755668	At3g03260	6	179	10	9	28
chr3	757614	757669	At3g03260	2	55	0	1	4
chr3	770609	770751	At3g03300	5	142	2	6	20
chr3	773189	773304	At3g03300	4	115	2	2	10
chr3	774389	774492	At3g03300	4	103	2	2	18
chr3	775503	775610	At3g03305	4	107	0	4	14
chr3	776857	776968	At3g03305	4	111	2	9	7
chr3	780531	780633	At3g03310	4	102	2	6	14
chr3	795889	795958	At3g03360	3	69	0	3	9
chr3	804025	804098	At3g03380	3	73	1	2	11
chr3	808342	808554	At3g03380	7	212	0	5	14
chr3	810206	810284	At3g03405	3	78	2	2	7
chr3	810542	810688	At3g03405	5	146	5	3	16
chr3	811269	811343	-	3	74	1	0	7
chr3	824035	824107	At3g03460	3	72	6	2	10
chr3	827957	828063	-	4	106	2	1	13
chr3	828489	828595	At3g03480	4	106	8	8	5
chr3	842414	842493	-	3	79	0	1	8
chr3	848200	848273	At3g03540	3	73	5	5	6
chr3	849954	850069	-	4	115	4	0	12
chr3	853259	853401	-	5	142	4	2	21
chr3	856863	856904	-	2	41	2	4	3
chr3	857759	857871	At3g03570	4	112	3	5	16
chr3	860623	860664	At3g03580	2	41	3	1	1
chr3	862618	862756	At3g03580	5	138	3	5	12
chr3	876721	876795	At3g03620	3	74	2	3	11
chr3	887335	887519	-	6	184	0	3	26
chr3	891553	891626	At3g03660	3	73	0	1	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	893411	893481	-	3	70	0	4	4
chr3	902809	902886	At3g03670	3	77	6	3	8
chr3	903685	903927	-	8	242	3	3	34
chr3	907756	907823	At3g03680	3	67	10	3	13
chr3	910810	910880	At3g03680	3	70	2	2	18
chr3	911442	911546	At3g03690	4	104	0	1	13
chr3	914683	914819	-	5	136	1	2	19
chr3	926986	927099	At3g03720	4	113	2	2	16
chr3	929913	929965	At3g03720	2	52	0	0	9
chr3	934221	934406	-	6	185	7	4	24
chr3	937770	937839	At3g03740	3	69	2	1	15
chr3	957498	957869	At3g03780	11	371	5	14	53
chr3	962215	962259	At3g03790	2	44	1	2	5
chr3	970198	970273	At3g03800	3	75	2	4	15
chr3	971202	971271	At3g03800	3	69	0	4	7
chr3	974098	974139	At3g03810	2	41	0	0	6
chr3	980387	980457	At3g03830	3	70	1	1	15
chr3	990988	991094	-	4	106	2	6	18
chr3	998322	998423	At3g03880	4	101	3	6	16
chr3	1000354	1000425	At3g03890	3	71	2	4	11
chr3	1011297	1011376	-	3	79	1	2	7
chr3	1013205	1013275	-	3	70	0	3	12
chr3	1024673	1024749	At3g03960	3	76	0	1	16
chr3	1042264	1042479	At3g04020	7	215	3	8	37
chr3	1046971	1047045	-	3	74	0	2	6
chr3	1054329	1054396	At3g04060	3	67	3	3	8
chr3	1072012	1072096	-	3	84	0	3	9
chr3	1079415	1079606	At3g04110	6	191	2	3	20
chr3	1120498	1120566	At3g04240	3	68	3	3	9
chr3	1123506	1123610	At3g04260	4	104	3	3	22
chr3	1124688	1124830	At3g04260	5	142	3	7	14
chr3	1132670	1132742	-	3	72	5	4	5
chr3	1138074	1138217	-	5	143	3	3	17
chr3	1138879	1138929	-	2	50	0	2	5
chr3	1142142	1142316	At3g04310	6	174	2	2	17
chr3	1142546	1142617	-	3	71	1	2	5
chr3	1143553	1143696	-	5	143	1	2	22
chr3	1147974	1148119	At3g04340	5	145	3	5	20
chr3	1153145	1153254	-	4	109	3	3	11
chr3	1153624	1153695	-	3	71	5	4	6
chr3	1156293	1156373	At3g04350	3	80	1	3	9
chr3	1158762	1158833	-	3	71	2	1	6
chr3	1160510	1160553	At3g04370	2	43	1	1	3
chr3	1164125	1164229	At3g04380	4	104	3	4	15
chr3	1168260	1168334	At3g04400	3	74	4	3	14
chr3	1169236	1169316	-	3	80	1	6	8
chr3	1182046	1182226	At3g04445	6	180	1	3	27
chr3	1192399	1192473	-	3	74	3	1	5
chr3	1193066	1193107	-	2	41	0	0	6
chr3	1194360	1194468	At3g04480	4	108	2	4	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	1196863	1196934	At3g04480	3	71	1	2	8
chr3	1199783	1199857	-	3	74	1	2	15
chr3	1205490	1205563	At3g04490	3	73	2	5	15
chr3	1222072	1222146	At3g04530	3	74	5	2	22
chr3	1234364	1234603	-	7	239	3	2	20
chr3	1240037	1240144	At3g04590	4	107	6	6	13
chr3	1253482	1253552	At3g04610	3	70	0	0	13
chr3	1256229	1256336	At3g04620	4	107	4	3	12
chr3	1264648	1264711	-	2	63	1	2	6
chr3	1271025	1271129	At3g04680	4	104	2	2	19
chr3	1287513	1287591	-	3	78	2	4	13
chr3	1291080	1291156	-	3	76	1	2	16
chr3	1296118	1296188	At3g04740	3	70	0	3	13
chr3	1301705	1301845	At3g04750	5	140	3	6	13
chr3	1304603	1304706	At3g04760	4	103	3	1	12
chr3	1313764	1313866	At3g04790	4	102	5	6	21
chr3	1334944	1335079	At3g04850	5	135	1	4	13
chr3	1340283	1340371	At3g04860	3	88	5	4	10
chr3	1357172	1357245	At3g04910	3	73	5	5	10
chr3	1359147	1359203	-	2	56	1	1	7
chr3	1374329	1374474	At3g04960	5	145	2	8	25
chr3	1375904	1375978	-	3	74	1	3	12
chr3	1376770	1376840	At3g04970	3	70	1	4	6
chr3	1377279	1377354	At3g04970	3	75	1	3	6
chr3	1378953	1379058	At3g04980	4	105	1	6	11
chr3	1384599	1384671	At3g04990	3	72	4	7	7
chr3	1387854	1387925	At3g05000	3	71	1	4	12
chr3	1398288	1398360	-	3	72	1	2	11
chr3	1400325	1400393	-	3	68	0	2	12
chr3	1402512	1402652	At3g05040	5	140	2	11	17
chr3	1412620	1412730	-	4	110	1	1	10
chr3	1435687	1435840	-	5	153	3	1	10
chr3	1437519	1437662	At3g05140	5	143	3	5	31
chr3	1440288	1440434	At3g05150	5	146	7	6	19
chr3	1441301	1441407	At3g05150	4	106	1	4	19
chr3	1447382	1447459	-	3	77	2	1	10
chr3	1459640	1459707	At3g05165	2	67	3	2	3
chr3	1464866	1464974	-	4	108	3	3	13
chr3	1473916	1473991	At3g05190	3	75	2	3	9
chr3	1474203	1474272	At3g05190	3	69	2	5	8
chr3	1486713	1486837	-	4	124	4	2	15
chr3	1491218	1491277	At3g05220	2	59	0	0	12
chr3	1492642	1492711	At3g05230	3	69	2	3	12
chr3	1493196	1493303	At3g05230	4	107	3	7	8
chr3	1497121	1497229	At3g05250	4	108	6	9	15
chr3	1501852	1501994	At3g05270	5	142	2	11	15
chr3	1504676	1504752	At3g05280	3	76	2	4	14
chr3	1505004	1505111	At3g05280	4	107	2	5	15
chr3	1506852	1506922	At3g05290	3	70	0	2	10
chr3	1514983	1515051	-	3	68	2	3	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	1521867	1522035	-	5	168	4	1	12
chr3	1523388	1523523	-	5	135	5	4	16
chr3	1531564	1531669	At3g05360	4	105	3	5	12
chr3	1536122	1536198	At3g05370	3	76	5	1	9
chr3	1540962	1541033	At3g05380	3	71	2	4	18
chr3	1542594	1542669	At3g05380	3	75	1	2	8
chr3	1543150	1543222	At3g05380	3	72	0	4	12
chr3	1544864	1545009	At3g05380	5	145	0	7	18
chr3	1552294	1552388	At3g05400	3	94	2	4	6
chr3	1563408	1563515	At3g05420	4	107	1	4	19
chr3	1567804	1567845	At3g05430	2	41	2	3	8
chr3	1567992	1568061	At3g05430	3	69	4	5	10
chr3	1572636	1572687	-	2	51	1	0	5
chr3	1577795	1577837	-	2	42	4	2	7
chr3	1580755	1580869	At3g05470	4	114	3	6	14
chr3	1582172	1582246	At3g05470	3	74	10	8	16
chr3	1588507	1588576	-	3	69	0	1	11
chr3	1598793	1598868	At3g05520	3	75	2	1	13
chr3	1599004	1599116	At3g05520	4	112	0	4	21
chr3	1604593	1604775	At3g05530	6	182	3	6	32
chr3	1612265	1612403	At3g05545	5	138	5	7	24
chr3	1622946	1623090	At3g05590	5	144	1	2	19
chr3	1638405	1638514	At3g05630	4	109	4	10	19
chr3	1643926	1643967	-	2	41	2	2	4
chr3	1661998	1662039	At3g05680	2	41	0	3	8
chr3	1662266	1662336	At3g05680	3	70	0	2	14
chr3	1668987	1669063	At3g05680	3	76	1	6	11
chr3	1673067	1673170	-	4	103	1	2	13
chr3	1695488	1695659	-	6	171	1	1	27
chr3	1698271	1698417	At3g05740	5	146	7	6	17
chr3	1699955	1700061	At3g05740	4	106	0	5	9
chr3	1700205	1700272	At3g05740	3	67	1	4	10
chr3	1705867	1706073	At3g05750	7	206	6	9	31
chr3	1710027	1710136	At3g05760	4	109	2	3	20
chr3	1715997	1716069	At3g05780	3	72	0	3	6
chr3	1719750	1719839	-	3	89	0	2	6
chr3	1720936	1721011	At3g05790	3	75	2	8	7
chr3	1726286	1726356	-	3	70	4	1	6
chr3	1729724	1729802	-	3	78	2	0	16
chr3	1748185	1748254	-	3	69	0	2	8
chr3	1753344	1753421	-	3	77	6	3	3
chr3	1763602	1763675	At3g05900	3	73	1	3	9
chr3	1765351	1765419	At3g05910	3	68	1	1	15
chr3	1769285	1769389	At3g05920	4	104	2	4	12
chr3	1788374	1788569	At3g05970	6	195	3	6	23
chr3	1789650	1789735	At3g05970	3	85	2	4	13
chr3	1790597	1790814	At3g05970	7	217	2	8	29
chr3	1796704	1796775	-	3	71	2	2	7
chr3	1811136	1811242	-	4	106	3	5	20
chr3	1813308	1813386	At3g06020	3	78	0	2	4

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	1842810	1842884	At3g06100	3	74	3	1	17
chr3	1847235	1847379	At3g06120	5	144	6	4	20
chr3	1850631	1850707	-	3	76	2	1	19
chr3	1858306	1858589	At3g06140	9	283	9	14	42
chr3	1878034	1878141	At3g06200	4	107	6	4	16
chr3	1897180	1897402	At3g06270	7	222	8	5	43
chr3	1898780	1898836	-	2	56	0	1	4
chr3	1900843	1900914	At3g06290	3	71	3	2	3
chr3	1902527	1902788	At3g06290	8	261	3	8	30
chr3	1907805	1907907	At3g06300	4	102	3	3	10
chr3	1914638	1914714	At3g06320	3	76	3	3	10
chr3	1919392	1919464	At3g06330	3	72	3	3	12
chr3	1921755	1921899	At3g06340	5	144	3	8	21
chr3	1932857	1932926	At3g06370	3	69	2	1	6
chr3	1945652	1945874	At3g06400	7	222	1	3	46
chr3	1946161	1946274	At3g06400	4	113	2	6	15
chr3	1948139	1948207	At3g06410	3	68	2	1	14
chr3	1949463	1949530	-	3	67	7	5	9
chr3	1950712	1950788	-	3	76	1	1	5
chr3	1977357	1977426	At3g06450	3	69	3	5	5
chr3	1980619	1980767	At3g06455	5	148	2	3	18
chr3	1982693	1982764	At3g06460	3	71	2	3	12
chr3	2000972	2001078	-	4	106	4	4	10
chr3	2004312	2004381	At3g06490	3	69	2	3	17
chr3	2009952	2010090	-	5	138	3	3	13
chr3	2028072	2028141	At3g06530	3	69	1	4	9
chr3	2033186	2033260	At3g06530	3	74	1	2	11
chr3	2038446	2038516	At3g06545	3	70	3	5	6
chr3	2047748	2047819	At3g06570	3	71	2	0	13
chr3	2074766	2074909	At3g06640	5	143	3	7	21
chr3	2081007	2081111	At3g06650	4	104	3	8	12
chr3	2087212	2087288	At3g06652	3	76	2	3	14
chr3	2093488	2093632	-	5	144	2	4	13
chr3	2096732	2096798	At3g06658	3	66	0	1	15
chr3	2097170	2097239	At3g06658	3	69	1	5	10
chr3	2109147	2109268	At3g06670	4	121	0	0	12
chr3	2112465	2112535	At3g06670	3	70	3	6	6
chr3	2117642	2117784	At3g06700	5	142	6	7	21
chr3	2127082	2127160	At3g06740	3	78	3	3	21
chr3	2135248	2135320	At3g06770	3	72	2	3	10
chr3	2140244	2140392	-	5	148	7	6	12
chr3	2146412	2146485	At3g06810	3	73	2	0	17
chr3	2157271	2157378	At3g06840	4	107	6	5	18
chr3	2161638	2161739	-	4	101	4	4	8
chr3	2182701	2182742	At3g06920	2	41	1	2	12
chr3	2194357	2194429	At3g06960	3	72	2	3	13
chr3	2197423	2197539	-	4	116	6	3	9
chr3	2198704	2198779	-	3	75	2	4	8
chr3	2200843	2200947	At3g06970	4	104	3	4	11
chr3	2212342	2212548	-	7	206	3	3	29

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	2221424	2221494	At3g07020	3	70	4	4	9
chr3	2222950	2223063	At3g07030	4	113	4	2	11
chr3	2223810	2223915	At3g07030	4	105	5	4	7
chr3	2227361	2227469	At3g07040	4	108	2	5	10
chr3	2228448	2228554	At3g07040	4	106	5	6	13
chr3	2230404	2230625	At3g07050	7	221	3	8	18
chr3	2234924	2235073	At3g07060	5	149	2	6	24
chr3	2241195	2241236	At3g07080	2	41	3	1	6
chr3	2244384	2244536	At3g07090	5	152	5	2	9
chr3	2250468	2250613	At3g07100	5	145	4	6	20
chr3	2252264	2252333	At3g07110	3	69	4	3	9
chr3	2257468	2257538	At3g07130	3	70	0	3	10
chr3	2261639	2262066	At3g07140	13	427	6	17	59
chr3	2263402	2263478	At3g07140	3	76	1	6	10
chr3	2268558	2268694	At3g07160	5	136	2	4	24
chr3	2274248	2274317	At3g07160	3	69	2	5	9
chr3	2274809	2274881	At3g07160	3	72	0	3	10
chr3	2281391	2281461	At3g07170	3	70	3	6	12
chr3	2286546	2286648	At3g07190	4	102	0	6	11
chr3	2293954	2294028	At3g07210	3	74	0	5	11
chr3	2294241	2294384	At3g07210	5	143	1	3	25
chr3	2295190	2295375	At3g07210	6	185	3	6	36
chr3	2297470	2297582	-	4	112	2	5	8
chr3	2313281	2313433	-	5	152	0	0	14
chr3	2314744	2314785	At3g07270	2	41	0	2	7
chr3	2318234	2318275	-	2	41	2	4	8
chr3	2319240	2319341	At3g07280	4	101	3	7	10
chr3	2332781	2332893	At3g07320	4	112	10	11	8
chr3	2343824	2343893	-	3	69	4	1	8
chr3	2345218	2345325	-	4	107	3	0	11
chr3	2350403	2350473	-	3	70	2	1	14
chr3	2357920	2358032	-	4	112	2	6	16
chr3	2370230	2370300	At3g07400	3	70	3	6	12
chr3	2373382	2373451	At3g07410	3	69	7	5	6
chr3	2374771	2374880	At3g07420	4	109	1	3	19
chr3	2378710	2378776	At3g07425	3	66	2	1	9
chr3	2379614	2379795	At3g07430	6	181	10	11	22
chr3	2385770	2385876	-	4	106	3	4	16
chr3	2389886	2389998	-	4	112	1	4	15
chr3	2396964	2397033	At3g07520	3	69	1	3	7
chr3	2398206	2398346	At3g07520	5	140	3	4	18
chr3	2405949	2406097	At3g07540	5	148	5	7	18
chr3	2408928	2409075	-	5	147	4	6	9
chr3	2412581	2412654	At3g07560	3	73	3	10	9
chr3	2415093	2415202	At3g07565	4	109	2	4	11
chr3	2417619	2417733	At3g07568	4	114	6	2	12
chr3	2427363	2427433	At3g07610	3	70	1	4	14
chr3	2434031	2434072	At3g07620	2	41	1	0	10
chr3	2441266	2441375	-	4	109	6	2	13
chr3	2443934	2444003	At3g07650	3	69	1	0	20

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	2445286	2445353	At3g07660	3	67	1	7	9
chr3	2454233	2454308	At3g07670	3	75	0	2	12
chr3	2456233	2456379	At3g07680	5	146	2	2	23
chr3	2464094	2464167	-	2	73	0	0	6
chr3	2466381	2466494	At3g07720	4	113	7	9	12
chr3	2469272	2469490	At3g07730	7	218	2	5	39
chr3	2475061	2475139	At3g07750	3	78	3	6	10
chr3	2475507	2475724	-	7	217	3	5	39
chr3	2496337	2496441	-	4	104	7	7	10
chr3	2497779	2497893	At3g07820	4	114	2	4	21
chr3	2502191	2502232	At3g07840	2	41	1	1	4
chr3	2507250	2507432	At3g07850	6	182	6	15	18
chr3	2514791	2514866	At3g07880	3	75	1	3	8
chr3	2517741	2517818	At3g07890	3	77	1	3	16
chr3	2520188	2520231	-	2	43	1	0	4
chr3	2524672	2524817	-	5	145	2	2	19
chr3	2525570	2525657	At3g07920	3	87	2	2	12
chr3	2528097	2528213	At3g07930	4	116	0	4	20
chr3	2529368	2529442	At3g07940	3	74	1	2	19
chr3	2530687	2530864	At3g07940	5	177	4	3	23
chr3	2545743	2545881	At3g07980	5	138	2	6	17
chr3	2559413	2559513	At3g08020	4	100	3	5	16
chr3	2565296	2565364	At3g08030	3	68	2	1	16
chr3	2569054	2569124	At3g08040	3	70	4	3	9
chr3	2572404	2572511	-	4	107	3	2	17
chr3	2585318	2585387	At3g08510	3	69	0	2	18
chr3	2586212	2586354	-	5	142	3	1	22
chr3	2586718	2586855	-	5	137	3	5	19
chr3	2589797	2589871	At3g08530	3	74	2	5	11
chr3	2590340	2590516	At3g08530	6	176	3	8	18
chr3	2600601	2600704	At3g08560	4	103	2	4	14
chr3	2605732	2605804	At3g08580	3	72	5	7	6
chr3	2606895	2607038	At3g08580	5	143	5	8	20
chr3	2609038	2609148	At3g08590	4	110	4	9	11
chr3	2612731	2612801	At3g08600	3	70	4	2	6
chr3	2616416	2616561	At3g08610	5	145	3	5	19
chr3	2616781	2616919	At3g08610	5	138	2	2	15
chr3	2621405	2621513	At3g08630	4	108	2	2	13
chr3	2630299	2630402	-	4	103	4	3	16
chr3	2632049	2632119	At3g08660	3	70	4	4	8
chr3	2643938	2644014	At3g08700	3	76	2	5	15
chr3	2660065	2660155	At3g08760	3	90	2	5	4
chr3	2665920	2666018	-	4	98	2	3	10
chr3	2667585	2667735	-	5	150	4	2	20
chr3	2674986	2675089	At3g08800	4	103	4	4	21
chr3	2678696	2678770	At3g08820	3	74	4	3	13
chr3	2680628	2680698	At3g08840	3	70	1	0	14
chr3	2681965	2682079	At3g08840	4	114	1	5	10
chr3	2684080	2684225	At3g08840	5	145	1	8	16
chr3	2689662	2689839	At3g08850	6	177	4	10	24

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	2714461	2714568	At3g08930	4	107	2	4	15
chr3	2720289	2720393	At3g08943	4	104	2	7	18
chr3	2721142	2721216	At3g08943	3	74	1	3	14
chr3	2721436	2721507	At3g08943	3	71	2	4	10
chr3	2723063	2723137	-	3	74	2	0	11
chr3	2726184	2726368	At3g08947	6	184	5	10	28
chr3	2731761	2731863	-	4	102	0	4	15
chr3	2736768	2737021	-	7	253	17	6	18
chr3	2738520	2738562	At3g08970	2	42	1	1	14
chr3	2741707	2741795	At3g08980	3	88	1	2	9
chr3	2742123	2742203	At3g08980	3	80	0	4	13
chr3	2742666	2742811	At3g08980	5	145	6	8	15
chr3	2743547	2743619	-	3	72	3	5	17
chr3	2746283	2746386	At3g09000	4	103	5	5	9
chr3	2747505	2747567	At3g09000	3	62	3	7	12
chr3	2753557	2753703	At3g09020	5	146	2	3	24
chr3	2756986	2757055	-	3	69	0	1	15
chr3	2761033	2761101	-	3	68	3	1	10
chr3	2768971	2769226	At3g09070	8	255	9	12	12
chr3	2771029	2771102	-	3	73	2	2	19
chr3	2778589	2778832	At3g09080	8	243	7	7	32
chr3	2789388	2789433	At3g09100	2	45	0	1	9
chr3	2789860	2789901	At3g09100	2	41	3	3	6
chr3	2795629	2795700	At3g09110	3	71	3	5	13
chr3	2797754	2797827	At3g09120	3	73	3	5	11
chr3	2798195	2798302	At3g09120	4	107	1	4	14
chr3	2802235	2802418	At3g09140	6	183	4	6	14
chr3	2804995	2805103	At3g09150	4	108	0	5	20
chr3	2826516	2826596	At3g09210	3	80	5	6	6
chr3	2837121	2837264	At3g09240	5	143	1	3	13
chr3	2846269	2846338	-	2	69	0	0	1
chr3	2856368	2856438	At3g09290	3	70	4	2	14
chr3	2857215	2857285	-	3	70	2	3	5
chr3	2860078	2860182	At3g09300	4	104	4	3	17
chr3	2868392	2868433	At3g09330	2	41	4	1	5
chr3	2869929	2869976	At3g09330	2	47	1	1	5
chr3	2879890	2879997	At3g09370	4	107	1	5	19
chr3	2886672	2886819	At3g09385	5	147	8	10	8
chr3	2903382	2903449	At3g09440	3	67	1	2	13
chr3	2905769	2905840	-	3	71	7	4	11
chr3	2914972	2915045	At3g09480	3	73	10	6	6
chr3	2923777	2923997	At3g09520	7	220	11	9	21
chr3	2945978	2946219	-	7	241	4	6	33
chr3	2947503	2947604	At3g09600	4	101	2	7	17
chr3	2951107	2951180	At3g09620	3	73	1	4	10
chr3	2951764	2951835	At3g09620	3	71	3	2	6
chr3	2956829	2956903	At3g09640	3	74	1	3	20
chr3	2958933	2959043	At3g09650	4	110	3	3	16
chr3	2960477	2960548	At3g09650	3	71	0	2	22
chr3	2961949	2962020	At3g09660	3	71	0	2	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	2965307	2965451	At3g09660	5	144	1	5	10
chr3	2974234	2974300	At3g09690	3	66	2	3	8
chr3	2977080	2977160	At3g09710	3	80	3	6	12
chr3	2982231	2982332	At3g09720	4	101	1	4	22
chr3	2995602	2995714	At3g09760	4	112	3	5	5
chr3	2998694	2998761	-	3	67	1	2	13
chr3	3006934	3007005	At3g09800	3	71	4	5	9
chr3	3009439	3009515	At3g09810	3	76	1	4	12
chr3	3010849	3011027	At3g09810	6	178	3	6	26
chr3	3014105	3014209	At3g09820	4	104	2	8	15
chr3	3019470	3019548	At3g09840	3	78	3	6	5
chr3	3024911	3024983	At3g09850	3	72	0	4	2
chr3	3026897	3026964	At3g09860	3	67	2	2	9
chr3	3029022	3029087	-	3	65	0	1	11
chr3	3029887	3030028	At3g09880	5	141	6	3	24
chr3	3038427	3038500	At3g09910	3	73	5	3	4
chr3	3039911	3039986	At3g09915	3	75	4	5	11
chr3	3046417	3046536	-	4	119	2	0	10
chr3	3057915	3058016	At3g09940	4	101	2	6	10
chr3	3059585	3059683	-	3	98	3	0	10
chr3	3062951	3063022	At3g09960	3	71	0	1	17
chr3	3067449	3067650	-	6	201	6	6	25
chr3	3082429	3082470	At3g10010	2	41	2	2	3
chr3	3083707	3083782	At3g10010	3	75	2	3	11
chr3	3084493	3084603	At3g10010	4	110	2	5	11
chr3	3089252	3089324	-	3	72	3	4	9
chr3	3094635	3094676	At3g10030	2	41	5	3	6
chr3	3104756	3104867	At3g10070	4	111	0	3	18
chr3	3107984	3108093	At3g10080	4	109	3	6	27
chr3	3111873	3111985	-	4	112	12	12	11
chr3	3127537	3127735	-	6	198	3	6	14
chr3	3139978	3140086	At3g10160	4	108	2	5	14
chr3	3141652	3141760	At3g10160	4	108	3	1	13
chr3	3142935	3143139	-	7	204	3	9	15
chr3	3151581	3151683	At3g10180	4	102	0	2	15
chr3	3165042	3165193	At3g10230	5	151	1	7	19
chr3	3192705	3192853	At3g10310	5	148	1	5	17
chr3	3193099	3193205	At3g10310	4	106	2	6	12
chr3	3193758	3193977	At3g10310	7	219	3	9	25
chr3	3197051	3197195	At3g10320	5	144	3	5	17
chr3	3204547	3204618	At3g10340	3	71	3	5	15
chr3	3218151	3218263	At3g10370	4	112	4	4	16
chr3	3218553	3218665	At3g10370	4	112	3	6	17
chr3	3230010	3230078	At3g10390	3	68	1	5	15
chr3	3241218	3241331	At3g10420	4	113	2	4	8
chr3	3241471	3241578	At3g10420	4	107	4	7	13
chr3	3244239	3244341	-	4	102	5	4	12
chr3	3248152	3248193	At3g10440	2	41	2	4	5
chr3	3249565	3249635	At3g10450	3	70	4	5	4
chr3	3258513	3258621	-	4	108	0	2	20

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	3260142	3260248	-	4	106	0	2	15
chr3	3275428	3275572	At3g10510	5	144	10	4	20
chr3	3278556	3278623	-	3	67	4	4	10
chr3	3282116	3282158	-	2	42	2	0	8
chr3	3286135	3286248	At3g10530	4	113	4	6	15
chr3	3289078	3289153	-	3	75	0	1	13
chr3	3303607	3303653	At3g10570	2	46	4	4	12
chr3	3315585	3315626	At3g10600	2	41	1	0	8
chr3	3317847	3317914	-	3	67	2	0	7
chr3	3319785	3319858	At3g10610	3	73	2	4	17
chr3	3321223	3321442	At3g10620	7	219	4	8	28
chr3	3332763	3332838	At3g10660	3	75	4	1	11
chr3	3338169	3338242	At3g10680	3	73	2	3	14
chr3	3345303	3345532	At3g10690	7	229	3	11	24
chr3	3349370	3349491	At3g10700	4	121	2	1	14
chr3	3349739	3349813	At3g10700	3	74	2	4	7
chr3	3373723	3374004	At3g10770	9	281	4	4	39
chr3	3377527	3377643	At3g10790	4	116	3	1	12
chr3	3379718	3379864	At3g10800	5	146	5	7	19
chr3	3382913	3382954	At3g10810	2	41	0	3	7
chr3	3391976	3392046	At3g10840	3	70	2	5	11
chr3	3392197	3392273	At3g10840	3	76	5	6	13
chr3	3392971	3393088	At3g10840	4	117	1	4	15
chr3	3400017	3400201	At3g10860	6	184	7	6	29
chr3	3446964	3447038	At3g10990	3	74	1	1	11
chr3	3451932	3452032	At3g11010	4	100	3	3	16
chr3	3459166	3459269	At3g11030	4	103	10	5	21
chr3	3461307	3461383	At3g11040	3	76	1	2	12
chr3	3471093	3471237	At3g11080	5	144	4	4	9
chr3	3477125	3477195	At3g11100	3	70	8	9	8
chr3	3480273	3480345	At3g11110	3	72	2	3	24
chr3	3491742	3491856	At3g11130	4	114	6	5	22
chr3	3493201	3493306	At3g11150	4	105	1	4	11
chr3	3510144	3510216	At3g11200	3	72	3	3	5
chr3	3512860	3512972	At3g11210	4	112	5	8	9
chr3	3514942	3515082	At3g11220	5	140	1	4	21
chr3	3519353	3519462	At3g11240	4	109	3	4	20
chr3	3526075	3526183	-	4	108	2	2	8
chr3	3543150	3543218	At3g11310	3	68	3	3	18
chr3	3543721	3543829	At3g11310	4	108	3	5	9
chr3	3544865	3544972	-	4	107	0	0	14
chr3	3559397	3559539	At3g11350	5	142	3	2	32
chr3	3567223	3567335	At3g11385	4	112	6	6	11
chr3	3578369	3578474	-	4	105	3	5	8
chr3	3578613	3578874	At3g11400	8	261	13	8	31
chr3	3591000	3591106	-	4	106	4	4	15
chr3	3596761	3596899	At3g11430	5	138	6	8	13
chr3	3598928	3599040	-	4	112	3	5	12
chr3	3601496	3601597	-	4	101	1	3	12
chr3	3607227	3607300	At3g11450	3	73	3	6	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	3613449	3613525	-	3	76	2	1	14
chr3	3618743	3618854	At3g11490	4	111	1	4	9
chr3	3620454	3620495	-	2	41	0	0	11
chr3	3624706	3624819	At3g11510	4	113	3	4	11
chr3	3627438	3627514	-	3	76	1	1	12
chr3	3628977	3629045	At3g11530	3	68	4	1	9
chr3	3637208	3637309	At3g11540	4	101	3	8	15
chr3	3637741	3637811	At3g11540	3	70	1	0	16
chr3	3639567	3639637	At3g11560	3	70	1	3	8
chr3	3646723	3646801	At3g11570	3	78	1	1	11
chr3	3647839	3647916	-	3	77	2	2	11
chr3	3651817	3651974	-	5	157	3	8	14
chr3	3658804	3658877	-	3	73	1	1	9
chr3	3660631	3660700	At3g11590	3	69	4	2	12
chr3	3662981	3663052	At3g11590	3	71	2	3	10
chr3	3671057	3671161	At3g11620	4	104	0	3	12
chr3	3672342	3672446	At3g11630	4	104	9	8	8
chr3	3675210	3675321	-	4	111	4	0	18
chr3	3675462	3675519	-	2	57	0	0	8
chr3	3680214	3680409	-	6	195	1	4	17
chr3	3685573	3685642	-	3	69	1	2	9
chr3	3699409	3699477	At3g11700	3	68	4	4	14
chr3	3702918	3703060	At3g11710	5	142	3	4	17
chr3	3706496	3706611	At3g11720	4	115	3	4	7
chr3	3707486	3707559	At3g11720	3	73	0	3	7
chr3	3708834	3708905	-	3	71	0	2	14
chr3	3723160	3723239	-	3	79	2	1	11
chr3	3735649	3735764	At3g11830	4	115	1	3	21
chr3	3739846	3739921	At3g11850	3	75	1	5	10
chr3	3741791	3741859	-	3	68	3	2	9
chr3	3748970	3749041	At3g11870	3	71	2	4	7
chr3	3752151	3752256	At3g11880	4	105	4	3	10
chr3	3758475	3758556	At3g11900	3	81	8	5	10
chr3	3759474	3759584	At3g11900	4	110	1	4	11
chr3	3764439	3764515	At3g11910	3	76	0	4	6
chr3	3765054	3765165	At3g11910	4	111	2	3	9
chr3	3766875	3766985	At3g11910	4	110	2	2	20
chr3	3768403	3768475	At3g11910	3	72	1	1	10
chr3	3771641	3771795	-	5	154	3	1	16
chr3	3773158	3773228	At3g11920	3	70	6	5	16
chr3	3783639	3783775	At3g11950	5	136	4	8	7
chr3	3786552	3786625	At3g11960	3	73	5	5	10
chr3	3787064	3787136	At3g11960	3	72	2	5	13
chr3	3791577	3791727	At3g11960	5	150	3	6	22
chr3	3796152	3796375	At3g11964	7	223	1	9	22
chr3	3814647	3814722	At3g11980	3	75	5	7	14
chr3	3817473	3817529	-	2	56	1	1	5
chr3	3820999	3821072	-	3	73	3	3	11
chr3	3825882	3825955	-	3	73	1	1	8
chr3	3833987	3834093	At3g12020	4	106	0	6	22

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	3844557	3844627	At3g12060	3	70	3	2	19
chr3	3847198	3847241	At3g12070	2	43	1	1	7
chr3	3859222	3859432	At3g12110	7	210	1	10	36
chr3	3864463	3864534	At3g12130	3	71	2	2	7
chr3	3868843	3868911	At3g12140	3	68	1	4	10
chr3	3878295	3878404	At3g12150	4	109	2	8	15
chr3	3890011	3890124	At3g12200	4	113	4	1	11
chr3	3896515	3896662	-	5	147	1	2	18
chr3	3912275	3912342	At3g12270	3	67	2	4	13
chr3	3913649	3913722	At3g12280	3	73	4	5	14
chr3	3953751	3953836	At3g12450	3	85	5	5	14
chr3	3959281	3959349	At3g12480	3	68	2	3	12
chr3	3960285	3960356	At3g12480	3	71	2	4	10
chr3	3962190	3962437	-	8	247	8	6	21
chr3	3972537	3972604	At3g12530	3	67	3	3	14
chr3	3989795	3989863	At3g12570	3	68	3	4	12
chr3	3992830	3992907	At3g12580	3	77	2	3	8
chr3	3993507	3993584	At3g12580	3	77	6	4	18
chr3	4005844	4005948	At3g12600	4	104	5	5	23
chr3	4007607	4007675	At3g12610	3	68	2	2	14
chr3	4011749	4011811	-	3	62	1	2	10
chr3	4017349	4017456	At3g12640	4	107	1	2	26
chr3	4019660	4019810	At3g12660	5	150	6	11	16
chr3	4020257	4020397	At3g12670	5	140	4	6	19
chr3	4020992	4021064	At3g12670	3	72	3	4	11
chr3	4023446	4023515	At3g12670	3	69	1	6	6
chr3	4023800	4023869	At3g12670	3	69	1	2	11
chr3	4029246	4029405	At3g12685	5	159	2	5	14
chr3	4030042	4030125	At3g12685	3	83	4	3	15
chr3	4039481	4039548	-	3	67	0	1	6
chr3	4040433	4040506	At3g12710	3	73	0	3	4
chr3	4043172	4043283	-	4	111	1	1	20
chr3	4046146	4046225	-	3	79	0	0	17
chr3	4089931	4090111	At3g12850	6	180	7	6	19
chr3	4108520	4108624	-	4	104	2	5	20
chr3	4111944	4111985	-	2	41	0	0	11
chr3	4122316	4122392	At3g12920	3	76	7	4	2
chr3	4135994	4136168	At3g12955	6	174	3	5	20
chr3	4172044	4172306	-	8	262	6	6	25
chr3	4174096	4174237	At3g13040	5	141	1	7	34
chr3	4178623	4178842	At3g13050	7	219	10	10	32
chr3	4184592	4184660	At3g13062	3	68	3	4	13
chr3	4186912	4187124	At3g13062	7	212	3	4	26
chr3	4189557	4189673	At3g13065	4	116	6	2	12
chr3	4203928	4203996	At3g13090	3	68	3	8	7
chr3	4205031	4205141	At3g13090	4	110	4	7	20
chr3	4210949	4211061	At3g13100	4	112	4	7	18
chr3	4212221	4212322	At3g13100	4	101	3	2	16
chr3	4215791	4215934	At3g13110	5	143	7	5	26
chr3	4219451	4219521	-	3	70	3	3	3

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	4227090	4227161	At3g13140	3	71	2	3	8
chr3	4230777	4230885	At3g13160	4	108	2	5	11
chr3	4232957	4233023	At3g13170	3	66	0	4	5
chr3	4239611	4239687	At3g13180	3	76	1	1	10
chr3	4246037	4246112	At3g13210	3	75	2	3	10
chr3	4254463	4254537	-	3	74	6	3	9
chr3	4256603	4256673	At3g13224	3	70	3	4	13
chr3	4261070	4261178	At3g13225	4	108	2	6	14
chr3	4267904	4268011	At3g13228	4	107	4	3	20
chr3	4272361	4272438	At3g13235	3	77	1	3	13
chr3	4275766	4275834	At3g13240	3	68	2	4	18
chr3	4277041	4277148	At3g13250	4	107	1	3	11
chr3	4289332	4289580	At3g13275	8	248	13	6	18
chr3	4292112	4292223	-	4	111	1	2	18
chr3	4298071	4298139	At3g13290	3	68	3	4	15
chr3	4302592	4302663	At3g13290	3	71	2	4	10
chr3	4302914	4302985	At3g13290	3	71	3	7	12
chr3	4304336	4304407	At3g13300	3	71	5	3	2
chr3	4308277	4308318	At3g13300	2	41	0	3	8
chr3	4310219	4310290	At3g13300	3	71	0	3	7
chr3	4322097	4322201	At3g13330	4	104	1	8	11
chr3	4327401	4327468	At3g13330	3	67	0	3	16
chr3	4328014	4328088	At3g13330	3	74	3	2	11
chr3	4332119	4332229	At3g13340	4	110	3	5	15
chr3	4333027	4333138	At3g13340	4	111	1	4	19
chr3	4333821	4333862	At3g13340	2	41	1	1	8
chr3	4335633	4335777	At3g13350	5	144	1	5	15
chr3	4351317	4351512	At3g13390	6	195	5	5	23
chr3	4352050	4352158	At3g13390	4	108	6	4	20
chr3	4362012	4362157	At3g13410	5	145	3	1	26
chr3	4365739	4365882	At3g13420	5	143	5	4	15
chr3	4369571	4369716	-	5	145	4	5	11
chr3	4382320	4382391	At3g13450	3	71	0	4	16
chr3	4385977	4386083	At3g13460	4	106	1	6	13
chr3	4396906	4396975	At3g13490	3	69	1	2	16
chr3	4397734	4397803	At3g13490	3	69	1	3	9
chr3	4402857	4402930	-	3	73	6	2	12
chr3	4414667	4414783	At3g13530	4	116	3	6	14
chr3	4414925	4415146	At3g13530	7	221	3	3	27
chr3	4429344	4429416	At3g13570	3	72	0	1	9
chr3	4438651	4438766	-	4	115	1	5	10
chr3	4440097	4440214	-	4	117	2	2	14
chr3	4446752	4446860	At3g13600	4	108	2	1	19
chr3	4452306	4452549	At3g13620	7	243	9	16	27
chr3	4453881	4454015	-	5	134	0	2	12
chr3	4462072	4462152	-	3	80	0	0	12
chr3	4469418	4469528	At3g13670	4	110	7	8	17
chr3	4479372	4479519	At3g13682	5	147	6	7	18
chr3	4482874	4482951	-	3	77	1	3	14
chr3	4491496	4491566	At3g13700	3	70	1	2	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	4495206	4495344	At3g13720	5	138	12	7	8
chr3	4505773	4505845	At3g13740	3	72	1	3	6
chr3	4512222	4512397	At3g13750	6	175	1	5	26
chr3	4512903	4512974	At3g13750	3	71	0	4	14
chr3	4515920	4516173	At3g13750	8	253	5	7	39
chr3	4525229	4525449	At3g13780	7	220	16	17	26
chr3	4534080	4534121	At3g13790	2	41	0	3	2
chr3	4543112	4543226	-	4	114	2	3	15
chr3	4544940	4545151	At3g13810	7	211	2	8	21
chr3	4555692	4555838	At3g13840	5	146	2	3	15
chr3	4556048	4556194	At3g13840	5	146	3	5	19
chr3	4560644	4560711	At3g13850	3	67	7	2	7
chr3	4569163	4569232	At3g13870	3	69	0	3	13
chr3	4570785	4570901	At3g13870	4	116	2	2	7
chr3	4576987	4577064	At3g13890	3	77	2	2	15
chr3	4582744	4582841	-	4	97	1	1	18
chr3	4587377	4587521	At3g13900	5	144	3	9	19
chr3	4588555	4588690	At3g13900	4	135	1	3	20
chr3	4600965	4601033	At3g13940	3	68	3	3	11
chr3	4607219	4607291	-	3	72	0	1	4
chr3	4607844	4607915	-	3	71	0	6	13
chr3	4610693	4610734	-	2	41	1	1	9
chr3	4629123	4629229	At3g13990	4	106	2	5	9
chr3	4637406	4637582	At3g14010	6	176	1	7	24
chr3	4639825	4639969	At3g14010	5	144	4	7	21
chr3	4641371	4641492	-	4	121	4	1	15
chr3	4648859	4648933	At3g07850	3	74	4	0	13
chr3	4654341	4654413	-	3	72	1	1	8
chr3	4662432	4662604	At3g14070	6	172	0	8	17
chr3	4665450	4665521	At3g14075	3	71	1	4	9
chr3	4676707	4676999	At3g14100	9	292	3	11	34
chr3	4679750	4679824	At3g14120	3	74	2	4	8
chr3	4681502	4681576	At3g14120	3	74	2	6	10
chr3	4684139	4684209	At3g14120	3	70	2	7	7
chr3	4685019	4685128	At3g14120	4	109	3	3	16
chr3	4691085	4691152	At3g14150	3	67	1	1	18
chr3	4693394	4693467	-	3	73	2	5	6
chr3	4702260	4702337	-	3	77	0	1	12
chr3	4710032	4710105	-	3	73	2	3	8
chr3	4720293	4720359	At3g14205	3	66	2	4	7
chr3	4730604	4730717	At3g14210	4	113	5	4	13
chr3	4737172	4737248	At3g14230	3	76	1	0	11
chr3	4745086	4745197	-	4	111	1	6	6
chr3	4748487	4748637	At3g14260	5	150	6	4	16
chr3	4754286	4754343	At3g14270	2	57	2	1	6
chr3	4756194	4756268	At3g14270	3	74	2	5	11
chr3	4770081	4770146	-	3	65	3	0	13
chr3	4780141	4780216	At3g14330	3	75	1	2	8
chr3	4783387	4783527	At3g14350	5	140	2	4	18
chr3	4792947	4793051	At3g14360	4	104	3	5	22

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	4798094	4798238	At3g14370	5	144	10	7	12
chr3	4809412	4809486	At3g14390	3	74	3	1	16
chr3	4812798	4812905	At3g14400	4	107	2	3	19
chr3	4828084	4828156	-	3	72	2	1	12
chr3	4828951	4829120	-	5	169	0	0	16
chr3	4831309	4831450	At3g14440	5	141	3	4	13
chr3	4857606	4857671	-	3	65	3	3	15
chr3	4859616	4859690	At3g14470	3	74	3	4	9
chr3	4862722	4862771	-	2	49	1	1	3
chr3	4872698	4872772	-	3	74	2	4	8
chr3	4887964	4888067	-	4	103	6	2	20
chr3	4896704	4896773	At3g14570	3	69	0	6	8
chr3	4902308	4902384	At3g14570	3	76	1	4	8
chr3	4912208	4912277	-	3	69	2	4	7
chr3	4913824	4913939	At3g14610	4	115	5	2	18
chr3	4926927	4927147	At3g14660	7	220	4	9	12
chr3	4934317	4934382	-	3	65	3	4	9
chr3	4950305	4950376	At3g14730	3	71	1	2	8
chr3	4955582	4955657	At3g14750	3	75	4	2	5
chr3	4955920	4955994	-	3	74	0	2	5
chr3	4972399	4972440	At3g14810	2	41	0	1	6
chr3	4973813	4973880	At3g14810	3	67	4	5	11
chr3	4984426	4984500	At3g14830	3	74	2	3	9
chr3	4989678	4989725	At3g14840	2	47	0	2	5
chr3	4991019	4991094	At3g14840	3	75	3	3	9
chr3	4993001	4993109	At3g14840	4	108	2	3	18
chr3	4996640	4996750	At3g14850	4	110	2	1	13
chr3	5010399	5010473	At3g14890	3	74	3	4	15
chr3	5015098	5015169	At3g14900	3	71	7	8	4
chr3	5039922	5040030	-	4	108	2	2	9
chr3	5042286	5042359	At3g14980	3	73	1	4	13
chr3	5058682	5058758	-	3	76	1	1	10
chr3	5060584	5060649	-	3	65	2	1	8
chr3	5062062	5062162	At3g15030	4	100	1	1	13
chr3	5074637	5074709	At3g15080	3	72	3	4	13
chr3	5076316	5076422	At3g15080	4	106	5	6	11
chr3	5078479	5078596	At3g15090	4	117	1	3	10
chr3	5088645	5088901	At3g15120	8	256	6	11	24
chr3	5091345	5091518	At3g15120	6	173	1	10	18
chr3	5096059	5096100	-	2	41	0	2	7
chr3	5102264	5102332	At3g15150	3	68	2	3	5
chr3	5114675	5114896	At3g15180	7	221	4	6	28
chr3	5116698	5116811	At3g15190	4	113	1	3	18
chr3	5119699	5119752	-	2	53	7	8	3
chr3	5128751	5128826	At3g15220	3	75	3	2	16
chr3	5129619	5129760	At3g15220	5	141	2	5	22
chr3	5135486	5135667	At3g15240	6	181	3	5	23
chr3	5139066	5139210	At3g15260	5	144	3	8	19
chr3	5155937	5155978	-	2	41	0	0	5
chr3	5159775	5159844	At3g15330	3	69	0	1	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	5173327	5173371	-	2	44	0	2	8
chr3	5177958	5178064	-	4	106	0	3	10
chr3	5178679	5178788	At3g15358	4	109	1	2	12
chr3	5179187	5179372	-	6	185	2	5	21
chr3	5184732	5184810	At3g15355	3	78	1	3	11
chr3	5186962	5187030	-	3	68	2	5	4
chr3	5189873	5189943	-	3	70	6	4	6
chr3	5202420	5202493	At3g15400	3	73	3	3	21
chr3	5214884	5214999	At3g15460	4	115	2	3	16
chr3	5227378	5227453	At3g15480	3	75	3	1	8
chr3	5233819	5233967	-	5	148	2	5	9
chr3	5240566	5240678	-	4	112	1	1	12
chr3	5240978	5241030	-	2	52	2	1	3
chr3	5242347	5242413	-	3	66	5	6	6
chr3	5249933	5249975	At3g15520	2	42	4	5	4
chr3	5258321	5258394	-	3	73	0	1	14
chr3	5261673	5261714	-	2	41	0	4	1
chr3	5266300	5266409	-	4	109	3	3	6
chr3	5267708	5267805	At3g15550	4	97	1	3	10
chr3	5271195	5271266	At3g15570	3	71	5	5	13
chr3	5271649	5271723	At3g15570	3	74	7	5	13
chr3	5277683	5277831	At3g15590	5	148	4	7	14
chr3	5289106	5289175	At3g15605	3	69	2	5	5
chr3	5289395	5289535	At3g15605	5	140	1	5	21
chr3	5291630	5291706	At3g15610	3	76	3	4	8
chr3	5297199	5297352	At3g15630	5	153	11	12	7
chr3	5301211	5301314	At3g15640	4	103	1	5	19
chr3	5317108	5317218	At3g15690	4	110	3	1	15
chr3	5318464	5318603	At3g15690	5	139	2	7	20
chr3	5324405	5324551	At3g15710	5	146	0	6	15
chr3	5326022	5326090	At3g15720	3	68	1	3	10
chr3	5329576	5329648	-	3	72	2	2	8
chr3	5332623	5332691	At3g15730	3	68	1	4	20
chr3	5333712	5333783	At3g15730	3	71	0	1	8
chr3	5337527	5337599	-	3	72	1	1	8
chr3	5337842	5337916	At3g15760	3	74	4	2	7
chr3	5357301	5357364	At3g15840	3	63	0	2	8
chr3	5365715	5365829	At3g15880	4	114	0	4	9
chr3	5374831	5374902	At3g15890	3	71	1	3	12
chr3	5389127	5389197	At3g15930	3	70	1	5	15
chr3	5408582	5408710	-	4	128	3	4	19
chr3	5414810	5414958	At3g15980	5	148	4	9	15
chr3	5424098	5424171	-	3	73	1	3	7
chr3	5429526	5429601	At3g15990	3	75	5	7	8
chr3	5431160	5431231	At3g16000	3	71	3	4	8
chr3	5431918	5431983	At3g16000	3	65	2	5	5
chr3	5436335	5436511	-	6	176	2	2	23
chr3	5442070	5442111	At3g16030	2	41	1	4	7
chr3	5448541	5448654	At3g16060	4	113	2	6	14
chr3	5450270	5450343	At3g16060	3	73	2	4	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	5453734	5453783	-	2	49	0	0	11
chr3	5459128	5459195	-	2	67	1	1	7
chr3	5466097	5466159	-	3	62	1	2	3
chr3	5467549	5467622	At3g16130	3	73	0	2	10
chr3	5472386	5472463	At3g16150	3	77	4	2	10
chr3	5482833	5482903	At3g16180	3	70	2	4	8
chr3	5505913	5505987	At3g16240	3	74	5	7	8
chr3	5507666	5507736	At3g16250	3	70	3	2	11
chr3	5512402	5512476	At3g16260	3	74	1	7	9
chr3	5518691	5518827	At3g16280	5	136	8	9	18
chr3	5520737	5520848	-	4	111	1	1	11
chr3	5521329	5521407	At3g16290	3	78	3	2	10
chr3	5523035	5523112	At3g16290	3	77	1	3	11
chr3	5530211	5530288	At3g16320	3	77	1	1	8
chr3	5549081	5549296	At3g16350	7	215	7	6	21
chr3	5556319	5556427	-	4	108	3	5	10
chr3	5557258	5557370	At3g16370	4	112	1	6	13
chr3	5560628	5560681	At3g16380	2	53	2	1	5
chr3	5562662	5562775	At3g16390	4	113	1	2	29
chr3	5566110	5566320	-	7	210	5	3	16
chr3	5579594	5579665	At3g16420	3	71	6	4	15
chr3	5597200	5597413	At3g16470	7	213	8	11	23
chr3	5622327	5622471	-	4	144	1	3	6
chr3	5622583	5622660	-	2	77	0	0	7
chr3	5624437	5624513	At3g16530	3	76	2	4	9
chr3	5648481	5648549	At3g16580	3	68	5	1	11
chr3	5671320	5671385	At3g16650	3	65	4	4	4
chr3	5672436	5672507	At3g16650	3	71	3	1	13
chr3	5695572	5695678	-	4	106	0	5	8
chr3	5698262	5698339	At3g16730	3	77	1	2	6
chr3	5705058	5705135	At3g16760	3	77	2	4	5
chr3	5714070	5714142	At3g16785	3	72	3	4	19
chr3	5755351	5755392	-	2	41	0	0	8
chr3	5755762	5755830	-	3	68	0	3	7
chr3	5758884	5758951	At3g16857	3	67	4	2	5
chr3	5769823	5769864	At3g16890	2	41	1	1	4
chr3	5773427	5773534	At3g16910	4	107	10	4	7
chr3	5781675	5781748	-	3	73	1	0	13
chr3	5787948	5788172	At3g16950	7	224	4	7	21
chr3	5789660	5789726	At3g16950	3	66	1	5	10
chr3	5795256	5795395	At3g16980	5	139	3	7	21
chr3	5800333	5800471	-	5	138	1	2	34
chr3	5807286	5807327	At3g17030	2	41	0	2	3
chr3	5812814	5812926	-	4	112	3	7	17
chr3	5822423	5822615	At3g17070	6	192	8	8	22
chr3	5830279	5830462	-	6	183	9	7	13
chr3	5851187	5851263	-	3	76	2	3	16
chr3	5876306	5876550	At3g17205	7	244	0	7	23
chr3	5890848	5890961	At3g17240	4	113	3	7	9
chr3	5906540	5906682	At3g17290	5	142	7	7	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	5909688	5909824	At3g17310	5	136	0	5	25
chr3	5920935	5921034	At3g17340	4	99	3	6	8
chr3	5924062	5924167	At3g17340	4	105	1	6	16
chr3	5938928	5939005	At3g17360	3	77	2	2	10
chr3	5944813	5944885	At3g17360	3	72	0	3	15
chr3	5948713	5948849	At3g17365	5	136	10	6	16
chr3	5961751	5961860	At3g17420	4	109	1	5	10
chr3	5988141	5988217	At3g17500	3	76	0	2	15
chr3	5989398	5989469	At3g17510	3	71	0	2	6
chr3	5992160	5992354	At3g17510	6	194	2	7	12
chr3	5996473	5996549	-	3	76	3	1	5
chr3	5999687	5999759	At3g17520	3	72	6	6	1
chr3	6013376	6013451	-	3	75	1	2	12
chr3	6014873	6014982	-	4	109	4	0	26
chr3	6026725	6026831	At3g17620	4	106	2	4	7
chr3	6039647	6039751	At3g17670	4	104	9	8	14
chr3	6043597	6043705	At3g17680	4	108	3	5	14
chr3	6043924	6043997	At3g17680	3	73	3	2	14
chr3	6044568	6044637	-	3	69	1	0	15
chr3	6045389	6045496	At3g17690	4	107	5	5	10
chr3	6050247	6050360	At3g17700	4	113	1	3	17
chr3	6052408	6052478	At3g17700	3	70	3	3	10
chr3	6058214	6058437	-	7	223	5	9	32
chr3	6063237	6063376	At3g17720	5	139	2	3	29
chr3	6077036	6077110	At3g17750	3	74	1	4	9
chr3	6079374	6079415	At3g17760	2	41	0	2	5
chr3	6085422	6085490	At3g17770	3	68	1	5	4
chr3	6087872	6087988	At3g17780	4	116	1	8	16
chr3	6088510	6088582	-	3	72	1	6	16
chr3	6091322	6091396	At3g17790	3	74	5	7	6
chr3	6093113	6093182	At3g17800	3	69	3	1	13
chr3	6103618	6103725	At3g17830	4	107	1	3	18
chr3	6120150	6120258	At3g17860	4	108	2	5	23
chr3	6127317	6127441	At3g17890	4	124	4	5	15
chr3	6128212	6128326	-	4	114	1	2	20
chr3	6129794	6129907	At3g17900	4	113	1	5	20
chr3	6135022	6135165	At3g17910	5	143	4	10	15
chr3	6145554	6145622	-	3	68	0	1	8
chr3	6147933	6148003	-	3	70	2	5	9
chr3	6161640	6161785	At3g18010	5	145	3	5	22
chr3	6163032	6163100	At3g18010	3	68	6	5	19
chr3	6174128	6174205	-	3	77	2	0	15
chr3	6177252	6177326	At3g18040	3	74	0	1	12
chr3	6186230	6186308	At3g18060	3	78	2	5	14
chr3	6198553	6198694	At3g18090	5	141	4	8	19
chr3	6199304	6199377	At3g18090	3	73	1	3	16
chr3	6200217	6200287	-	3	70	1	5	12
chr3	6208810	6208881	At3g18110	3	71	1	3	7
chr3	6217610	6217716	-	4	106	3	6	12
chr3	6220825	6220915	At3g18160	3	90	0	2	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	6222377	6222446	At3g18160	3	69	3	3	10
chr3	6232434	6232502	At3g18190	3	68	4	2	12
chr3	6236309	6236413	-	4	104	3	3	18
chr3	6236741	6236887	-	5	146	2	2	17
chr3	6240055	6240126	At3g18210	3	71	1	0	13
chr3	6246302	6246387	-	3	85	1	1	15
chr3	6259994	6260097	-	4	103	3	5	19
chr3	6268085	6268159	-	3	74	0	2	9
chr3	6274756	6274871	At3g18290	4	115	1	2	13
chr3	6292050	6292124	-	3	74	6	2	8
chr3	6298346	6298423	At3g18350	3	77	1	3	13
chr3	6303008	6303079	-	3	71	1	2	17
chr3	6314723	6314793	At3g18390	3	70	1	1	20
chr3	6316870	6316975	At3g18390	4	105	1	3	24
chr3	6337652	6337722	At3g18480	3	70	1	2	13
chr3	6340506	6340580	At3g18480	3	74	0	2	7
chr3	6343931	6344003	-	3	72	2	2	10
chr3	6352174	6352252	-	3	78	1	1	6
chr3	6355075	6355185	At3g18500	4	110	0	3	20
chr3	6360462	6360529	-	3	67	4	1	7
chr3	6368849	6368916	At3g18524	3	67	0	5	16
chr3	6370688	6370796	At3g18524	4	108	0	3	16
chr3	6372149	6372221	At3g18524	3	72	3	1	12
chr3	6404565	6404676	At3g18610	4	111	5	4	10
chr3	6404971	6405048	At3g18610	3	77	1	2	9
chr3	6407002	6407143	At3g18610	5	141	6	6	15
chr3	6407385	6407493	At3g18610	4	108	3	8	5
chr3	6408391	6408534	At3g18620	5	143	7	5	21
chr3	6410844	6410910	At3g18620	3	66	0	4	10
chr3	6420055	6420158	At3g18660	4	103	6	5	9
chr3	6433006	6433074	-	3	68	0	0	14
chr3	6437011	6437158	-	5	147	7	2	16
chr3	6440876	6440919	-	2	43	0	1	9
chr3	6449237	6449314	At3g18730	3	77	2	2	9
chr3	6461349	6461414	At3g18770	3	65	3	3	22
chr3	6466962	6467039	At3g18773	3	77	0	1	12
chr3	6479490	6479591	At3g18790	4	101	0	4	15
chr3	6485269	6485341	At3g18820	3	72	1	7	10
chr3	6485660	6485772	At3g18820	4	112	0	2	21
chr3	6513613	6513719	At3g18890	4	106	0	6	22
chr3	6531520	6531627	-	4	107	4	2	13
chr3	6541590	6541661	At3g18955	3	71	6	4	5
chr3	6544465	6544572	At3g18970	4	107	2	2	12
chr3	6553118	6553262	-	5	144	3	3	24
chr3	6564116	6564222	At3g19030	4	106	6	8	14
chr3	6567764	6567834	At3g19040	3	70	2	1	12
chr3	6569645	6569797	At3g19040	5	152	3	6	9
chr3	6572231	6572305	At3g19040	3	74	1	2	10
chr3	6572986	6573083	At3g19040	4	97	2	4	12
chr3	6578539	6578609	At3g19050	3	70	2	3	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	6580238	6580305	At3g19050	3	67	2	6	12
chr3	6580761	6580834	At3g19050	3	73	2	6	8
chr3	6581781	6581853	At3g19050	3	72	2	2	10
chr3	6595691	6595771	-	3	80	0	0	9
chr3	6599504	6599579	-	3	75	4	2	12
chr3	6601707	6601855	At3g19090	5	148	11	15	16
chr3	6605855	6605922	At3g19100	3	67	9	8	9
chr3	6611476	6611544	At3g19130	3	68	1	4	8
chr3	6622825	6622978	At3g19160	5	153	8	7	24
chr3	6623971	6624048	-	3	77	1	0	10
chr3	6635102	6635174	At3g19180	3	72	2	5	9
chr3	6638755	6638981	-	7	226	3	7	32
chr3	6653362	6653509	At3g19210	5	147	1	5	20
chr3	6656509	6656622	At3g19210	4	113	0	3	13
chr3	6659165	6659314	-	5	149	9	7	7
chr3	6659419	6659527	At3g19220	4	108	6	5	23
chr3	6662148	6662218	At3g19230	3	70	0	2	14
chr3	6683678	6683719	At3g19280	2	41	3	1	13
chr3	6687079	6687204	-	4	125	4	8	11
chr3	6689195	6689263	At3g19290	3	68	1	2	6
chr3	6691385	6691511	At3g19300	4	126	4	2	17
chr3	6697248	6697356	At3g19320	4	108	4	4	21
chr3	6698726	6698906	-	6	180	2	5	35
chr3	6702023	6702201	At3g19340	6	178	3	5	22
chr3	6739923	6739989	-	3	66	0	3	7
chr3	6742972	6743042	At3g19440	3	70	3	5	7
chr3	6751101	6751174	-	3	73	2	3	10
chr3	6759915	6759989	At3g19500	3	74	2	0	7
chr3	6760547	6760693	At3g19500	5	146	4	5	23
chr3	6770579	6770680	At3g19516	4	101	1	4	12
chr3	6771499	6771575	-	2	76	0	0	5
chr3	6775534	6775744	At3g19530	7	210	4	10	14
chr3	6780224	6780348	-	4	124	4	5	3
chr3	6796764	6796890	-	4	126	2	1	19
chr3	6807247	6807351	At3g19590	4	104	0	5	15
chr3	6815582	6815653	-	3	71	2	3	11
chr3	6849620	6849661	-	2	41	1	0	5
chr3	6852794	6852938	At3g19720	5	144	0	4	17
chr3	6863365	6863507	-	5	142	3	6	27
chr3	6865031	6865168	At3g19760	5	137	2	3	19
chr3	6874594	6874744	At3g19780	5	150	2	3	29
chr3	6875542	6875729	-	6	187	2	7	29
chr3	6890968	6891020	-	2	52	4	5	2
chr3	6901878	6901946	-	3	68	0	3	13
chr3	6904781	6904856	At3g19860	3	75	2	5	10
chr3	6921227	6921401	At3g19895	6	174	10	10	21
chr3	6923416	6923490	At3g19900	3	74	0	3	9
chr3	6923917	6923964	At3g19900	2	47	1	1	6
chr3	6926275	6926353	-	3	78	2	2	14
chr3	6938049	6938196	-	5	147	3	1	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	6946916	6946997	-	3	81	2	0	14
chr3	6958196	6958377	-	6	181	9	5	17
chr3	6966368	6966435	At3g19990	3	67	3	3	19
chr3	6966647	6966760	At3g19990	4	113	1	3	23
chr3	6975564	6975782	At3g20010	7	218	5	7	24
chr3	7017215	7017295	At3g20090	3	80	0	3	19
chr3	7021623	7021689	At3g20110	3	66	0	2	7
chr3	7031390	7031465	-	3	75	5	4	7
chr3	7031759	7031955	At3g20150	6	196	3	2	31
chr3	7046042	7046115	At3g20190	3	73	6	7	5
chr3	7046617	7046723	At3g20190	4	106	5	2	14
chr3	7050256	7050327	At3g20200	3	71	2	6	12
chr3	7052205	7052329	-	4	124	2	2	15
chr3	7057008	7057104	-	3	96	0	1	5
chr3	7059727	7059870	At3g20250	5	143	2	7	18
chr3	7063252	7063332	-	3	80	0	1	16
chr3	7072749	7072931	At3g20280	6	182	5	13	14
chr3	7083435	7083582	-	5	147	0	1	23
chr3	7088651	7088797	At3g20320	5	146	2	4	13
chr3	7090213	7090290	At3g20330	3	77	0	2	8
chr3	7124175	7124247	At3g20440	3	72	1	3	13
chr3	7126789	7126864	At3g20440	3	75	2	0	19
chr3	7128147	7128223	At3g20440	3	76	0	3	11
chr3	7130175	7130388	At3g20440	7	213	9	10	28
chr3	7136688	7136757	At3g20460	3	69	4	2	6
chr3	7146370	7146441	-	3	71	2	3	12
chr3	7157373	7157414	-	2	41	2	0	7
chr3	7159654	7159760	At3g20500	4	106	3	6	16
chr3	7164429	7164575	At3g20520	5	146	2	6	16
chr3	7165325	7165501	At3g20520	6	176	6	7	19
chr3	7175966	7176034	At3g20550	3	68	2	2	13
chr3	7181714	7181766	-	2	52	0	0	6
chr3	7183365	7183434	At3g20560	3	69	1	4	9
chr3	7190806	7190918	-	4	112	5	5	12
chr3	7192186	7192255	At3g20590	3	69	1	2	20
chr3	7196789	7196899	At3g20610	4	110	1	2	8
chr3	7198637	7198740	At3g20620	4	103	5	8	6
chr3	7202563	7202643	-	3	80	0	2	2
chr3	7207567	7207638	At3g20630	3	71	1	8	5
chr3	7239119	7239191	-	3	72	5	5	11
chr3	7245331	7245372	At3g20720	2	41	1	2	7
chr3	7248069	7248299	At3g20730	7	230	5	9	24
chr3	7254679	7254757	-	3	78	3	1	10
chr3	7256164	7256240	-	3	76	2	1	15
chr3	7261873	7261950	At3g20770	3	77	1	1	16
chr3	7264603	7264672	At3g20780	3	69	2	6	15
chr3	7267797	7267936	At3g20780	5	139	5	6	13
chr3	7275203	7275291	-	3	88	1	3	14
chr3	7285092	7285164	At3g20830	3	72	4	6	6
chr3	7298138	7298282	-	5	144	0	4	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	7303072	7303146	At3g20840	3	74	3	6	7
chr3	7327816	7327888	At3g20910	3	72	3	5	15
chr3	7344794	7344863	-	3	69	0	1	9
chr3	7351200	7351346	At3g20975	5	146	2	6	18
chr3	7351919	7351960	At3g20975	2	41	1	2	13
chr3	7352283	7352392	At3g20975	4	109	3	4	19
chr3	7353468	7353536	At3g20975	3	68	1	4	9
chr3	7354393	7354465	At3g20975	3	72	2	3	12
chr3	7354710	7354781	At3g20975	3	71	1	2	19
chr3	7358012	7358063	-	2	51	1	1	8
chr3	7364672	7364749	At3g21000	3	77	2	2	16
chr3	7366976	7367048	At3g21010	3	72	2	3	16
chr3	7371218	7371324	At3g21030	4	106	4	5	20
chr3	7372788	7372902	At3g21040	4	114	10	6	14
chr3	7373923	7373988	At3g21040	3	65	2	3	14
chr3	7388165	7388270	-	4	105	1	1	20
chr3	7391758	7391827	At3g21090	3	69	3	6	4
chr3	7392048	7392262	At3g21090	7	214	4	7	27
chr3	7400114	7400177	At3g21100	3	63	3	2	15
chr3	7405456	7405500	At3g21110	2	44	1	1	7
chr3	7407203	7407268	At3g21120	3	65	5	5	11
chr3	7417185	7417287	At3g21160	4	102	0	5	12
chr3	7417542	7417609	At3g21160	3	67	0	4	6
chr3	7430907	7431014	At3g21180	4	107	1	5	16
chr3	7432217	7432258	-	2	41	0	0	9
chr3	7432582	7432655	At3g21190	3	73	1	4	15
chr3	7439677	7439851	At3g21210	6	174	8	7	34
chr3	7447056	7447156	At3g21220	4	100	0	3	23
chr3	7455073	7455180	At3g21240	4	107	10	4	10
chr3	7458616	7458725	At3g21250	4	109	1	1	14
chr3	7459726	7460018	At3g21250	9	292	6	10	36
chr3	7472391	7472539	-	5	148	0	3	19
chr3	7480649	7480827	At3g21280	6	178	4	9	20
chr3	7485789	7485932	At3g21290	5	143	2	10	30
chr3	7497853	7497920	At3g21310	3	67	1	2	10
chr3	7501651	7501788	-	5	137	7	6	27
chr3	7506856	7506929	-	2	73	2	0	4
chr3	7508484	7508592	At3g21330	4	108	5	8	22
chr3	7515295	7515551	At3g21340	8	256	7	12	34
chr3	7517737	7517805	At3g21350	3	68	0	2	10
chr3	7519716	7519827	-	4	111	2	3	12
chr3	7525476	7525549	At3g21370	3	73	4	4	8
chr3	7525818	7525933	At3g21370	4	115	5	4	13
chr3	7550795	7550863	At3g21430	3	68	2	1	15
chr3	7561257	7561362	At3g21465	4	105	2	7	17
chr3	7576028	7576069	At3g21500	2	41	3	3	3
chr3	7586062	7586131	At3g21540	3	69	0	2	10
chr3	7589904	7589974	At3g21540	3	70	0	4	6
chr3	7595886	7595994	At3g21560	4	108	2	0	18
chr3	7597143	7597222	At3g21560	3	79	2	2	29

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	7601141	7601252	-	4	111	0	2	18
chr3	7601954	7602173	-	7	219	3	9	21
chr3	7607021	7607344	At3g21600	10	323	4	10	29
chr3	7609715	7609756	At3g21610	2	41	2	2	8
chr3	7616392	7616462	At3g21630	3	70	3	5	4
chr3	7619391	7619543	At3g21640	5	152	3	5	22
chr3	7620764	7620903	At3g21640	5	139	2	4	13
chr3	7630296	7630409	-	4	113	2	2	14
chr3	7655322	7655393	At3g21720	3	71	3	4	9
chr3	7663170	7663280	At3g21740	4	110	3	5	10
chr3	7690842	7690917	At3g21820	3	75	4	2	8
chr3	7692606	7692677	-	3	71	0	1	6
chr3	7704987	7705058	-	3	71	4	1	8
chr3	7713264	7713331	-	3	67	3	5	2
chr3	7729100	7729174	-	3	74	1	3	12
chr3	7738859	7738927	-	3	68	3	4	8
chr3	7743731	7743844	-	4	113	3	3	10
chr3	7753258	7753369	-	4	111	0	3	15
chr3	7773637	7773752	-	4	115	1	3	15
chr3	7777867	7777974	At3g22080	4	107	2	5	10
chr3	7778492	7778564	At3g22080	3	72	1	3	13
chr3	7781224	7781294	At3g22080	3	70	2	0	9
chr3	7783043	7783191	At3g22090	5	148	8	5	12
chr3	7813361	7813437	At3g22150	3	76	1	4	10
chr3	7815020	7815134	At3g22150	4	114	4	5	18
chr3	7815950	7816013	-	2	63	0	0	3
chr3	7822204	7822414	At3g22170	7	210	8	6	22
chr3	7832223	7832285	At3g22190	3	62	0	2	12
chr3	7875291	7875364	At3g22270	3	73	1	2	11
chr3	7887997	7888104	At3g22310	4	107	2	1	15
chr3	7893609	7893677	At3g22330	3	68	1	4	18
chr3	7897816	7897888	At3g22340	3	72	5	4	11
chr3	7899696	7899799	-	4	103	3	2	25
chr3	7910952	7911054	-	4	102	1	2	7
chr3	7911212	7911355	-	5	143	4	5	17
chr3	7914125	7914325	At3g22380	7	200	11	11	14
chr3	7918755	7918863	At3g22380	4	108	4	7	15
chr3	7919066	7919170	At3g22380	3	104	1	2	11
chr3	7921920	7921970	-	2	50	0	0	5
chr3	7930630	7930762	At3g22400	4	132	10	7	5
chr3	7934545	7934599	At3g22410	2	54	1	1	7
chr3	7934798	7934869	At3g22410	3	71	3	3	10
chr3	7959806	7959884	At3g22440	3	78	5	8	7
chr3	7960596	7960744	At3g22440	5	148	4	5	30
chr3	7962492	7962564	At3g22450	3	72	5	6	9
chr3	7964339	7964513	At3g22460	6	174	1	8	35
chr3	7969726	7969797	At3g22490	3	71	1	2	5
chr3	7972002	7972113	At3g22500	4	111	5	7	6
chr3	7972566	7972635	At3g22500	3	69	6	8	8
chr3	7972830	7972932	At3g22500	4	102	4	4	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	7973175	7973255	-	3	80	2	0	11
chr3	7974715	7974859	-	5	144	4	5	17
chr3	7975435	7975619	At3g22520	6	184	4	7	21
chr3	7976952	7977025	At3g22520	3	73	2	4	18
chr3	7988270	7988338	-	3	68	0	1	15
chr3	8000746	8000847	At3g22570	4	101	4	4	11
chr3	8004179	8004330	At3g22590	5	151	5	7	11
chr3	8007239	8007316	At3g22600	3	77	2	4	10
chr3	8009285	8009388	At3g22620	4	103	8	8	6
chr3	8021134	8021329	At3g22690	6	195	2	9	20
chr3	8033742	8033812	At3g22740	3	70	4	5	10
chr3	8035557	8035598	At3g22740	2	41	1	2	14
chr3	8037561	8037629	At3g22750	3	68	2	5	6
chr3	8038513	8038580	At3g22750	3	67	0	1	10
chr3	8039825	8039900	At3g22750	3	75	2	2	21
chr3	8045231	8045372	At3g22760	5	141	2	6	31
chr3	8046136	8046251	At3g22760	4	115	2	6	14
chr3	8049771	8049884	At3g22780	4	113	4	6	19
chr3	8054083	8054195	At3g22790	4	112	1	4	9
chr3	8056688	8056761	At3g22790	3	73	4	5	8
chr3	8060905	8061044	-	5	139	2	3	20
chr3	8062755	8062896	-	5	141	5	3	19
chr3	8070792	8070863	At3g22810	3	71	0	1	14
chr3	8075491	8075563	-	3	72	2	0	10
chr3	8094388	8094497	-	4	109	0	2	21
chr3	8100538	8100617	At3g22880	3	79	6	4	7
chr3	8112761	8112870	At3g22890	4	109	1	2	10
chr3	8114177	8114323	At3g22890	5	146	6	8	22
chr3	8115879	8115953	At3g22900	3	74	2	5	15
chr3	8125861	8125971	At3g22930	4	110	1	2	22
chr3	8129460	8129532	-	3	72	1	2	8
chr3	8133342	8133491	-	5	149	1	2	18
chr3	8135172	8135277	At3g22942	4	105	2	2	16
chr3	8143578	8143729	-	5	151	2	1	15
chr3	8157711	8157816	-	4	105	2	1	19
chr3	8166991	8167059	-	3	68	1	2	17
chr3	8177715	8177895	At3g23020	6	180	6	9	16
chr3	8181847	8181959	-	4	112	5	2	26
chr3	8183005	8183116	-	4	111	2	1	14
chr3	8184674	8184749	-	3	75	4	0	11
chr3	8193648	8193715	-	3	67	2	3	7
chr3	8204717	8205037	At3g23070	10	320	3	14	46
chr3	8205551	8205696	At3g23070	5	145	2	5	28
chr3	8214368	8214518	At3g23090	5	150	1	3	5
chr3	8215360	8215431	At3g23090	3	71	2	3	10
chr3	8242494	8242569	At3g23130	3	75	0	2	15
chr3	8255420	8255606	At3g23150	6	186	3	2	23
chr3	8282172	8282310	At3g23200	5	138	2	4	25
chr3	8289287	8289356	-	3	69	1	1	9
chr3	8304502	8304652	-	5	150	5	6	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	8310055	8310126	At3g23250	3	71	4	5	9
chr3	8325471	8325546	-	3	75	2	0	7
chr3	8330288	8330358	-	3	70	6	2	9
chr3	8331649	8331720	-	3	71	0	1	9
chr3	8334696	8334799	At3g23300	4	103	1	5	19
chr3	8335182	8335290	At3g23300	4	108	0	4	19
chr3	8343070	8343252	At3g23310	6	182	1	5	22
chr3	8343556	8343634	At3g23310	2	78	0	0	9
chr3	8373951	8374022	-	3	71	3	2	12
chr3	8375458	8375538	At3g23390	3	80	1	1	11
chr3	8394612	8394678	-	3	66	2	1	8
chr3	8397562	8397603	-	2	41	1	1	9
chr3	8400524	8400597	-	3	73	1	2	9
chr3	8421115	8421179	At3g23480	3	64	4	2	11
chr3	8435615	8435727	-	4	112	0	2	17
chr3	8439801	8439917	At3g23530	4	116	2	6	14
chr3	8449882	8449932	At3g23550	2	50	2	3	10
chr3	8455316	8455387	At3g23560	3	71	1	1	6
chr3	8467479	8467781	At3g23590	9	302	14	14	27
chr3	8480864	8480969	At3g23620	4	105	3	0	22
chr3	8501582	8501698	-	4	116	1	2	18
chr3	8505626	8505701	At3g23640	3	75	2	2	13
chr3	8506304	8506375	At3g23640	3	71	3	6	11
chr3	8508234	8508275	At3g23640	2	41	0	3	10
chr3	8512569	8512638	-	2	69	2	1	2
chr3	8529531	8529578	At3g23690	2	47	2	2	6
chr3	8536291	8536402	At3g23710	4	111	1	2	11
chr3	8560379	8560450	At3g23750	3	71	0	2	16
chr3	8562346	8562422	-	3	76	2	2	7
chr3	8566225	8566300	At3g23770	3	75	4	7	7
chr3	8568048	8568190	At3g23780	5	142	4	6	16
chr3	8568297	8568338	At3g23780	2	41	0	6	5
chr3	8570584	8570625	At3g23780	2	41	1	1	8
chr3	8575239	8575312	At3g23790	3	73	5	2	4
chr3	8588712	8588786	At3g23810	3	74	3	5	9
chr3	8609512	8609617	-	4	105	4	4	7
chr3	8628877	8628990	At3g23890	4	113	4	6	14
chr3	8629631	8629836	At3g23890	7	205	2	9	21
chr3	8631565	8631642	-	3	77	0	3	15
chr3	8636675	8636929	At3g23910	8	254	7	5	34
chr3	8637860	8637935	At3g23910	3	75	2	5	9
chr3	8639033	8639091	At3g23910	2	58	5	1	6
chr3	8643672	8643772	At3g23920	4	100	4	10	11
chr3	8647044	8647116	At3g23930	3	72	0	2	23
chr3	8650201	8650279	At3g23940	3	78	3	1	12
chr3	8650730	8650801	At3g23940	3	71	1	4	14
chr3	8660384	8660458	-	3	74	2	2	10
chr3	8661919	8661990	-	3	71	5	2	9
chr3	8671163	8671307	At3g23990	5	144	0	6	21
chr3	8682823	8682890	At3g24040	3	67	4	5	5

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	8691863	8691936	-	3	73	5	2	14
chr3	8696407	8696476	At3g24080	3	69	0	4	3
chr3	8696862	8696932	At3g24080	3	70	1	4	6
chr3	8702954	8703033	-	3	79	0	1	9
chr3	8705310	8705387	At3g24110	3	77	4	7	7
chr3	8707489	8707562	At3g24120	3	73	2	4	15
chr3	8722591	8722695	-	4	104	5	3	9
chr3	8730700	8730767	At3g24170	3	67	0	3	8
chr3	8732247	8732298	At3g24170	2	51	2	0	6
chr3	8734331	8734398	At3g24170	3	67	3	1	16
chr3	8737235	8737308	At3g24180	3	73	1	5	7
chr3	8739823	8739892	At3g24180	3	69	3	7	9
chr3	8741415	8741487	At3g24180	3	72	5	3	6
chr3	8747141	8747242	At3g24190	4	101	1	3	9
chr3	8761776	8761922	At3g24220	5	146	9	13	13
chr3	8775349	8775390	At3g24230	2	41	3	1	5
chr3	8777017	8777120	At3g24230	4	103	3	5	21
chr3	8793990	8794062	At3g24260	3	72	2	5	6
chr3	8806524	8806594	At3g24300	3	70	3	4	17
chr3	8807968	8808076	-	4	108	2	4	10
chr3	8816442	8816519	-	3	77	2	0	12
chr3	8819070	8819144	-	3	74	0	0	16
chr3	8822080	8822156	At3g24315	3	76	0	1	10
chr3	8826165	8826310	At3g24320	5	145	1	4	17
chr3	8826692	8826761	At3g24320	3	69	1	2	15
chr3	8833825	8833932	At3g24340	4	107	2	5	15
chr3	8838580	8838658	At3g24350	3	78	0	3	14
chr3	8870591	8870661	At3g24430	3	70	2	3	9
chr3	8898038	8898113	-	3	75	1	4	7
chr3	8914503	8914637	At3g24495	5	134	3	6	16
chr3	8914967	8915043	At3g24495	3	76	1	3	8
chr3	8921421	8921601	At3g24503	6	180	7	9	28
chr3	8928768	8928842	At3g24506	3	74	0	4	8
chr3	8958247	8958288	-	2	41	1	0	1
chr3	8961663	8961775	At3g24550	4	112	0	1	18
chr3	8970629	8970741	-	4	112	4	4	11
chr3	8971527	8971639	At3g24590	4	112	0	2	22
chr3	8984402	8984511	-	4	109	0	1	16
chr3	8986763	8986870	-	4	107	3	2	12
chr3	8987984	8988096	-	4	112	4	1	15
chr3	8990514	8990620	At3g24630	4	106	1	5	24
chr3	8998618	8998725	At3g24650	4	107	2	4	22
chr3	9008215	9008354	At3g24670	5	139	2	0	16
chr3	9029157	9029264	At3g24720	4	107	4	3	12
chr3	9044856	9044928	-	3	72	1	2	12
chr3	9049997	9050093	At3g24780	3	96	6	6	8
chr3	9062295	9062372	-	3	77	1	2	8
chr3	9064158	9064268	At3g24820	4	110	2	2	9
chr3	9075203	9075272	At3g24880	3	69	0	4	13
chr3	9078167	9078272	At3g24870	4	105	2	7	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	9090773	9090838	At3g24870	3	65	2	2	10
chr3	9104049	9104156	At3g25010	4	107	6	3	13
chr3	9105248	9105294	At3g25010	2	46	0	0	8
chr3	9116728	9116796	At3g24954	3	68	1	2	6
chr3	9124344	9124457	At3g25040	4	113	5	1	16
chr3	9125032	9125101	At3g25040	3	69	5	2	12
chr3	9142921	9143062	-	5	141	1	3	24
chr3	9145906	9146017	At3g25100	4	111	3	4	26
chr3	9168558	9168634	At3g25180	3	76	2	2	6
chr3	9175499	9175593	-	4	94	4	2	10
chr3	9178049	9178155	-	4	106	0	2	10
chr3	9189922	9190062	At3g25230	5	140	2	2	30
chr3	9192608	9192716	At3g25230	4	108	3	3	13
chr3	9195241	9195390	-	5	149	6	5	16
chr3	9198284	9198387	At3g25250	4	103	1	0	15
chr3	9201041	9201105	At3g25260	3	64	2	1	11
chr3	9205535	9205713	At3g25270	6	178	6	6	25
chr3	9213773	9213823	-	2	50	0	2	2
chr3	9216379	9216486	At3g25410	4	107	4	2	15
chr3	9223428	9223503	At3g25430	3	75	2	3	16
chr3	9235070	9235175	At3g25470	4	105	2	6	15
chr3	9251432	9251512	At3g25495	3	80	1	1	5
chr3	9261986	9262027	-	2	41	1	1	6
chr3	9266027	9266098	At3g25510	3	71	3	5	12
chr3	9273484	9273633	At3g25530	5	149	2	7	19
chr3	9280581	9280654	At3g25550	3	73	3	3	10
chr3	9282045	9282149	At3g25560	4	104	2	5	11
chr3	9292589	9292640	-	2	51	1	0	4
chr3	9293078	9293151	-	3	73	7	4	19
chr3	9302437	9302505	-	3	68	3	2	10
chr3	9305864	9306082	-	7	218	2	2	23
chr3	9307943	9308019	-	3	76	0	2	5
chr3	9313200	9313275	At3g25610	3	75	3	4	11
chr3	9317468	9317535	At3g25620	3	67	2	0	8
chr3	9336843	9337029	-	6	186	3	5	19
chr3	9341987	9342167	At3g25660	6	180	2	8	18
chr3	9342824	9342892	At3g25660	3	68	6	5	5
chr3	9345966	9346035	At3g25670	3	69	0	2	7
chr3	9355687	9355793	At3g25690	4	106	3	4	20
chr3	9388640	9388850	At3g22555	7	210	8	2	17
chr3	9390369	9390440	At3g22555	3	71	0	6	12
chr3	9396279	9396358	At3g22555	3	79	1	0	9
chr3	9409033	9409138	At3g22555	4	105	4	5	13
chr3	9434400	9434505	At3g22555	4	105	3	3	11
chr3	9442846	9442911	At3g22555	3	65	1	1	13
chr3	9444357	9444459	At3g22555	4	102	3	1	10
chr3	9460264	9460487	At3g22555	7	223	2	3	31
chr3	9471587	9471629	At3g22555	2	42	1	1	7
chr3	9473740	9473819	At3g22555	3	79	2	4	4
chr3	9487962	9488034	At3g22555	3	72	0	1	21

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	9492781	9492919	At3g22555	5	138	1	3	19
chr3	9495087	9495160	At3g22555	3	73	1	2	5
chr3	9504880	9504995	At3g22555	4	115	1	4	20
chr3	9511045	9511196	At3g22555	5	151	0	0	19
chr3	9511474	9511545	At3g22555	2	71	0	0	3
chr3	9515028	9515098	At3g22555	3	70	2	3	8
chr3	9516918	9516990	At3g22555	3	72	1	5	9
chr3	9518420	9518499	At3g22555	3	79	1	2	9
chr3	9524879	9524986	At3g22555	4	107	2	3	20
chr3	9528002	9528144	At3g22555	5	142	3	8	17
chr3	9539317	9539458	At3g22555	5	141	4	8	17
chr3	9542612	9542683	At3g22555	3	71	1	0	8
chr3	9563236	9563351	At3g26140	4	115	7	5	16
chr3	9573461	9573502	-	2	41	0	0	7
chr3	9583304	9583413	-	4	109	3	4	10
chr3	9583522	9583671	-	5	149	4	6	19
chr3	9592697	9592768	-	3	71	0	2	11
chr3	9596217	9596288	At3g26210	3	71	4	4	14
chr3	9607550	9607732	At3g26240	6	182	3	4	31
chr3	9630334	9630404	At3g26270	3	70	2	3	20
chr3	9643810	9643917	At3g26310	4	107	2	5	19
chr3	9667691	9667809	-	4	118	3	4	13
chr3	9668102	9668179	At3g26400	3	77	3	3	16
chr3	9669811	9669882	At3g26400	3	71	2	6	9
chr3	9678665	9678815	At3g26440	5	150	3	5	18
chr3	9681373	9681479	At3g26445	4	106	4	5	19
chr3	9687511	9687755	At3g26470	8	244	8	9	30
chr3	9691821	9691896	At3g26480	3	75	3	3	11
chr3	9703595	9703712	-	4	117	0	3	17
chr3	9705354	9705499	-	5	145	8	8	12
chr3	9723319	9723391	-	3	72	5	4	11
chr3	9747412	9747486	At3g26540	3	74	5	4	4
chr3	9756987	9757062	-	3	75	2	1	9
chr3	9757312	9757389	-	3	77	0	0	14
chr3	9758687	9758838	At3g26570	5	151	0	6	14
chr3	9759125	9759234	At3g26570	4	109	9	5	10
chr3	9763291	9763364	At3g26590	3	73	0	2	6
chr3	9773787	9773861	-	3	74	1	1	11
chr3	9779446	9779554	At3g26610	4	108	5	5	11
chr3	9796035	9796152	-	4	117	0	6	12
chr3	9796945	9797122	At3g26650	6	177	5	7	27
chr3	9798278	9798387	At3g26650	4	109	0	3	20
chr3	9801386	9801489	At3g26670	4	103	2	3	17
chr3	9808569	9808638	-	3	69	4	3	9
chr3	9828292	9828402	At3g26730	4	110	3	4	12
chr3	9833305	9833412	-	4	107	2	3	12
chr3	9833528	9833635	-	4	107	5	1	3
chr3	9845786	9845858	At3g26760	3	72	4	5	11
chr3	9846980	9847116	At3g26770	5	136	5	1	13
chr3	9850034	9850106	At3g26780	3	72	0	2	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	9853204	9853273	At3g26780	3	69	0	4	20
chr3	9853878	9853946	At3g26780	3	68	2	2	15
chr3	9876618	9876694	-	3	76	2	0	8
chr3	9883125	9883199	At3g26820	2	74	1	1	4
chr3	9885522	9885705	At3g26820	6	183	7	2	14
chr3	9893345	9893486	-	5	141	3	0	10
chr3	9900571	9900674	At3g26855	4	103	3	5	17
chr3	9909708	9909811	At3g26890	4	103	1	3	13
chr3	9924728	9924801	At3g26920	3	73	3	3	12
chr3	9925494	9925606	-	4	112	4	0	23
chr3	9927663	9927806	At3g26930	5	143	1	5	29
chr3	9934779	9934949	At3g26935	6	170	3	6	27
chr3	9953355	9953428	-	3	73	3	2	11
chr3	9959405	9959483	At3g27010	3	78	1	2	7
chr3	9964616	9964724	At3g27020	4	108	0	5	14
chr3	9968569	9968615	-	2	46	1	0	3
chr3	9973245	9973360	-	4	115	3	4	12
chr3	9981528	9981602	At3g27060	3	74	7	1	12
chr3	9983685	9983840	-	5	155	3	2	26
chr3	9999951	10000058	At3g27110	4	107	2	8	14
chr3	10019651	10019728	At3g27160	3	77	1	3	15
chr3	10046521	10046623	At3g27210	4	102	0	3	9
chr3	10055197	10055267	At3g27230	3	70	2	3	4
chr3	10056891	10056957	At3g27230	3	66	0	2	6
chr3	10068466	10068585	-	4	119	3	2	9
chr3	10080780	10080885	-	4	105	0	1	24
chr3	10104379	10104447	-	3	68	4	3	3
chr3	10104960	10105032	-	3	72	1	2	6
chr3	10107140	10107214	-	3	74	1	0	10
chr3	10108810	10108877	-	3	67	0	4	17
chr3	10111963	10112050	-	3	87	1	7	8
chr3	10122981	10123059	At3g27340	3	78	0	2	15
chr3	10132173	10132357	-	6	184	2	2	34
chr3	10143610	10143718	At3g27400	4	108	4	0	18
chr3	10145976	10146090	-	4	114	4	2	15
chr3	10166494	10166567	At3g27470	3	73	1	2	9
chr3	10168825	10168974	-	3	149	1	1	7
chr3	10176819	10176893	-	3	74	0	1	18
chr3	10180793	10180975	At3g27490	6	182	4	7	28
chr3	10185760	10185832	At3g27500	3	72	1	2	18
chr3	10196932	10197078	At3g27530	5	146	2	7	18
chr3	10197517	10197663	At3g27530	5	146	2	7	14
chr3	10200911	10201065	At3g27530	5	154	5	6	11
chr3	10209514	10209619	At3g27550	4	105	4	4	15
chr3	10218746	10218850	-	4	104	2	4	8
chr3	10236156	10236263	At3g27640	4	107	2	6	12
chr3	10245863	10245975	At3g27660	4	112	3	6	24
chr3	10247337	10247412	At3g27670	3	75	2	6	16
chr3	10248274	10248346	At3g27670	3	72	3	5	13
chr3	10253008	10253084	At3g27670	3	76	3	2	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	10253334	10253512	At3g27670	6	178	3	8	24
chr3	10257950	10258025	At3g27690	3	75	3	3	15
chr3	10260460	10260527	At3g27700	3	67	0	3	19
chr3	10261069	10261181	At3g27700	4	112	2	6	12
chr3	10263032	10263104	At3g27700	3	72	9	5	12
chr3	10271941	10272078	At3g27710	5	137	0	4	26
chr3	10273088	10273225	-	5	137	7	3	18
chr3	10275195	10275299	At3g27730	4	104	3	3	17
chr3	10286502	10286576	At3g27750	3	74	0	2	24
chr3	10304512	10304582	-	3	70	5	5	3
chr3	10312138	10312207	-	3	69	2	2	5
chr3	10324178	10324249	-	3	71	1	2	13
chr3	10324853	10324928	At3g27840	3	75	4	4	9
chr3	10330982	10331060	-	3	78	0	3	12
chr3	10336052	10336162	At3g27870	4	110	3	4	16
chr3	10353371	10353517	At3g27895	5	146	5	4	19
chr3	10368987	10369091	At3g27925	4	104	0	3	13
chr3	10370524	10370597	-	3	73	3	2	5
chr3	10373069	10373177	At3g27930	4	108	1	2	11
chr3	10376195	10376271	At3g27940	3	76	3	1	14
chr3	10386012	10386087	-	3	75	6	2	2
chr3	10386456	10386525	At3g27965	3	69	5	3	17
chr3	10391002	10391076	At3g27970	3	74	1	3	12
chr3	10397372	10397446	At3g27990	2	74	0	1	10
chr3	10399078	10399213	At3g27990	4	135	4	6	22
chr3	10419576	10419644	At3g28020	3	68	2	3	10
chr3	10426194	10426286	At3g28030	3	92	1	4	20
chr3	10434996	10435110	-	4	114	2	2	17
chr3	10445047	10445198	At3g28050	5	151	0	4	15
chr3	10458123	10458232	At3g28100	4	109	2	2	14
chr3	10466575	10466677	-	4	102	1	0	15
chr3	10470944	10471053	-	4	109	6	8	16
chr3	10472778	10472848	-	3	70	0	1	17
chr3	10495570	10495641	-	3	71	2	3	11
chr3	10504077	10504118	-	2	41	0	0	7
chr3	10506089	10506163	-	3	74	3	1	8
chr3	10522405	10522477	At3g28210	3	72	1	2	15
chr3	10533756	10533831	-	3	75	3	3	11
chr3	10551175	10551252	-	3	77	5	3	15
chr3	10551387	10551493	-	4	106	0	4	29
chr3	10552687	10552761	-	3	74	1	1	10
chr3	10579332	10579441	At3g28315	4	109	1	5	13
chr3	10581248	10581365	At3g28315	4	117	1	5	11
chr3	10581650	10581759	At3g28315	4	109	4	8	8
chr3	10588201	10588273	At3g28330	3	72	5	5	9
chr3	10593637	10593776	-	5	139	3	4	14
chr3	10608291	10608405	-	4	114	2	2	16
chr3	10626329	10626409	At3g28380	3	80	3	1	6
chr3	10635931	10636037	-	4	106	6	4	22
chr3	10650054	10650128	At3g28415	3	74	1	2	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	10659192	10659262	At3g28430	3	70	1	4	8
chr3	10670034	10670100	At3g28450	3	66	1	3	14
chr3	10671716	10671786	At3g28455	3	70	0	4	9
chr3	10674422	10674568	At3g28460	5	146	1	4	16
chr3	10689805	10689909	At3g28520	4	104	6	3	21
chr3	10690253	10690322	At3g28520	3	69	5	2	14
chr3	10696893	10696961	At3g28540	3	68	1	3	15
chr3	10697079	10697147	At3g28540	3	68	1	3	21
chr3	10698980	10699057	-	3	77	1	0	5
chr3	10701940	10702015	-	3	75	0	1	10
chr3	10712790	10712861	At3g28570	3	71	2	1	19
chr3	10714055	10714125	-	3	70	2	1	11
chr3	10742685	10742762	-	3	77	0	0	4
chr3	10757308	10757379	At3g28690	3	71	1	3	21
chr3	10757737	10757811	At3g28690	2	74	1	2	7
chr3	10760917	10760981	At3g28700	3	64	8	8	3
chr3	10764699	10764769	-	3	70	1	1	2
chr3	10769870	10770023	At3g28705	5	153	6	3	14
chr3	10770689	10770759	At3g28705	3	70	3	5	10
chr3	10771804	10771874	At3g28705	3	70	4	2	12
chr3	10778531	10778596	-	3	65	1	0	10
chr3	10780794	10780864	At3g28715	3	70	0	5	10
chr3	10785388	10785458	At3g28720	3	70	5	5	5
chr3	10789638	10789713	At3g28730	3	75	3	3	14
chr3	10793791	10793971	At3g28750	6	180	4	3	40
chr3	10807055	10807096	-	2	41	0	0	8
chr3	10816110	10816251	At3g28790	5	141	7	2	14
chr3	10833544	10833652	At3g28830	4	108	1	2	17
chr3	10838089	10838196	-	3	107	0	1	3
chr3	10870559	10870674	-	4	115	4	5	14
chr3	10871504	10871654	At3g28860	5	150	6	8	14
chr3	10872016	10872093	At3g28860	3	77	5	6	13
chr3	10872648	10872787	At3g28860	5	139	1	5	16
chr3	10893993	10894099	At3g28880	4	106	6	8	10
chr3	10904746	10904787	At3g28900	2	41	0	0	5
chr3	10909996	10910077	-	3	81	3	4	4
chr3	10911880	10911946	-	2	66	0	3	2
chr3	10949906	10949947	-	2	41	0	1	2
chr3	10958516	10958561	-	2	45	0	0	7
chr3	10962599	10962640	-	2	41	1	2	15
chr3	10977431	10977542	At3g28950	4	111	2	4	5
chr3	10984022	10984132	At3g28958	4	110	4	6	17
chr3	10984794	10984860	-	3	66	2	3	10
chr3	10986672	10986742	At3g28960	3	70	5	4	15
chr3	10994657	10994801	At3g28980	5	144	4	6	29
chr3	11009126	11009201	At3g29010	3	75	3	1	14
chr3	11014205	11014280	At3g29030	3	75	8	8	12
chr3	11024256	11024360	-	4	104	4	4	8
chr3	11064610	11064679	-	3	69	0	0	13
chr3	11099630	11099725	-	3	95	0	2	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	11109989	11110102	At3g29150	4	113	6	7	13
chr3	11110414	11110517	At3g29150	4	103	2	3	14
chr3	11113283	11113329	At3g29150	2	46	3	3	2
chr3	11118384	11118450	At3g29153	3	66	0	5	12
chr3	11132490	11132608	At3g29160	4	118	1	2	12
chr3	11139751	11139792	-	2	41	2	3	2
chr3	11156200	11156275	At3g29185	3	75	1	1	7
chr3	11157309	11157386	At3g29185	3	77	0	3	8
chr3	11160787	11160834	At3g29190	2	47	2	3	3
chr3	11166864	11166934	At3g29200	3	70	1	2	12
chr3	11167528	11167603	At3g29200	3	75	1	4	25
chr3	11178824	11178877	At3g29210	2	53	0	1	5
chr3	11191557	11191698	-	5	141	2	9	24
chr3	11196012	11196149	-	5	137	3	1	22
chr3	11198526	11198605	-	3	79	0	3	10
chr3	11216996	11217039	-	2	43	1	0	4
chr3	11220728	11220844	-	4	116	0	1	12
chr3	11238752	11238829	-	3	77	0	2	4
chr3	11261567	11261640	-	3	73	1	2	6
chr3	11270354	11270576	-	7	222	7	7	35
chr3	11276038	11276082	-	2	44	1	0	14
chr3	11291548	11291655	-	4	107	3	5	11
chr3	11301688	11301729	-	2	41	1	1	12
chr3	11305562	11305637	-	3	75	1	1	4
chr3	11313969	11314080	-	4	111	2	1	16
chr3	11317067	11317145	-	3	78	0	0	4
chr3	11325488	11325561	-	3	73	0	2	15
chr3	11330505	11330563	-	2	58	1	0	8
chr3	11344215	11344350	-	5	135	0	1	18
chr3	11346397	11346509	-	4	112	3	2	9
chr3	11360279	11360354	-	3	75	1	1	9
chr3	11385796	11386051	-	8	255	5	10	14
chr3	11395475	11395548	-	3	73	0	2	11
chr3	11397079	11397156	-	3	77	1	1	10
chr3	11432068	11432148	-	3	80	1	0	22
chr3	11438510	11438614	-	4	104	2	2	15
chr3	11471047	11471152	-	4	105	6	9	7
chr3	11486726	11486805	-	3	79	0	0	16
chr3	11495513	11495610	-	3	97	1	3	12
chr3	11510161	11510287	-	4	126	0	2	17
chr3	11513950	11514022	-	3	72	0	2	10
chr3	11519557	11519633	-	3	76	2	4	13
chr3	11537142	11537183	-	2	41	1	1	9
chr3	11543674	11543741	-	3	67	3	7	2
chr3	11556960	11557032	-	3	72	1	0	12
chr3	11569424	11569496	-	3	72	0	3	5
chr3	11575312	11575384	-	3	72	3	1	19
chr3	11577453	11577530	-	3	77	1	1	16
chr3	11592638	11592710	-	3	72	5	2	9
chr3	11626741	11626808	-	3	67	3	4	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	11651966	11652037	-	3	71	1	0	11
chr3	11654371	11654446	-	3	75	2	4	16
chr3	11654914	11654984	-	3	70	3	1	19
chr3	11657716	11657783	-	3	67	5	2	20
chr3	11663985	11664055	-	3	70	2	4	14
chr3	11673129	11673208	-	3	79	1	2	12
chr3	11681188	11681236	-	2	48	1	1	5
chr3	11694057	11694129	-	3	72	0	2	10
chr3	11698853	11698923	-	3	70	2	5	9
chr3	11701124	11701194	-	3	70	0	5	11
chr3	11709845	11709949	-	4	104	1	4	19
chr3	11716138	11716288	-	5	150	0	3	20
chr3	11742822	11742936	-	4	114	1	1	8
chr3	11749505	11749613	-	4	108	3	0	8
chr3	11758522	11758588	-	3	66	1	2	15
chr3	11780843	11780901	-	2	58	1	0	6
chr3	11787174	11787281	-	4	107	1	2	18
chr3	11791419	11791488	-	3	69	1	2	12
chr3	11814168	11814214	-	2	46	0	0	8
chr3	11837363	11837460	-	3	97	1	2	13
chr3	11847990	11848281	-	9	291	4	8	31
chr3	11852533	11852603	-	3	70	5	2	12
chr3	11867363	11867473	-	4	110	3	6	19
chr3	11871312	11871381	-	3	69	0	2	16
chr3	11891254	11891366	-	3	112	1	1	4
chr3	11900190	11900305	-	4	115	3	3	7
chr3	11917197	11917266	-	3	69	4	3	7
chr3	11919630	11919744	-	4	114	2	2	8
chr3	11921770	11922020	-	8	250	7	11	26
chr3	11922986	11923131	-	5	145	5	4	15
chr3	11950208	11950275	-	3	67	0	0	14
chr3	11960096	11960198	-	4	102	4	6	15
chr3	11964412	11964517	-	4	105	2	3	17
chr3	11981063	11981208	-	5	145	5	3	16
chr3	12023957	12024027	-	3	70	2	2	18
chr3	12067031	12067209	-	5	178	5	4	14
chr3	12095837	12095881	-	2	44	0	0	3
chr3	12129793	12129857	-	3	64	1	0	14
chr3	12143002	12143104	-	4	102	2	4	10
chr3	12150441	12150546	-	3	105	2	1	15
chr3	12185165	12185231	-	3	66	2	5	6
chr3	12211002	12211124	-	4	122	0	2	20
chr3	12224138	12224211	-	2	73	1	0	8
chr3	12239439	12239540	-	4	101	1	2	14
chr3	12241844	12242002	-	5	158	1	3	27
chr3	12270004	12270045	-	2	41	1	0	4
chr3	12270743	12270818	-	3	75	0	0	12
chr3	12284342	12284415	-	3	73	2	2	9
chr3	12288343	12288449	-	4	106	0	1	15
chr3	12297136	12297208	-	3	72	0	1	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	12321651	12321721	-	3	70	0	0	9
chr3	12324729	12324798	-	3	69	0	1	11
chr3	12325960	12326054	-	3	94	0	1	12
chr3	12329838	12329879	-	2	41	0	1	7
chr3	12350518	12350588	-	3	70	0	2	17
chr3	12368995	12369142	-	5	147	2	4	26
chr3	12383719	12383796	-	3	77	0	2	10
chr3	12406076	12406180	-	4	104	1	3	19
chr3	12409055	12409096	-	2	41	0	2	13
chr3	12411319	12411463	-	5	144	1	7	21
chr3	12411680	12411756	-	3	76	1	2	15
chr3	12430973	12431100	-	4	127	0	3	18
chr3	12434433	12434514	-	3	81	0	1	14
chr3	12468638	12468736	-	3	98	0	0	10
chr3	12490384	12490494	-	4	110	3	1	12
chr3	12504836	12504878	-	2	42	1	0	4
chr3	12506642	12506754	-	4	112	1	5	13
chr3	12516894	12516969	-	3	75	0	2	10
chr3	12532234	12532305	-	3	71	0	0	13
chr3	12534461	12534502	-	2	41	0	2	11
chr3	12545915	12546026	-	4	111	0	1	18
chr3	12555836	12555942	-	3	106	3	0	8
chr3	12563605	12563673	-	3	68	2	5	11
chr3	12577489	12577545	-	2	56	0	1	3
chr3	12582196	12582308	-	4	112	0	4	10
chr3	12606843	12606884	-	2	41	1	0	8
chr3	12612121	12612187	-	3	66	2	1	3
chr3	12614212	12614282	-	3	70	1	2	15
chr3	12632868	12632943	-	3	75	0	0	6
chr3	12633559	12633623	-	3	64	1	1	9
chr3	12643927	12644069	-	5	142	2	1	13
chr3	12644824	12644902	-	3	78	2	2	10
chr3	12655478	12655519	-	2	41	1	3	4
chr3	12665772	12665923	-	5	151	4	6	17
chr3	12717361	12717413	-	2	52	0	1	7
chr3	12751164	12751232	-	3	68	0	2	13
chr3	12767554	12767636	-	3	82	4	1	17
chr3	12788289	12788431	-	5	142	1	2	28
chr3	12810931	12811007	-	3	76	3	0	6
chr3	12824945	12825011	-	3	66	2	2	11
chr3	12832135	12832200	-	3	65	0	2	18
chr3	12838758	12838832	-	3	74	2	3	11
chr3	12850578	12850654	-	3	76	2	2	10
chr3	12872234	12872305	-	3	71	3	1	10
chr3	12879129	12879202	-	3	73	2	7	11
chr3	12900134	12900178	-	2	44	0	1	11
chr3	12900313	12900388	-	3	75	0	1	15
chr3	12914831	12914936	-	4	105	0	3	13
chr3	12921249	12921324	-	3	75	1	1	13
chr3	12931358	12931437	-	3	79	0	2	18

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	12971762	12971866	-	4	104	3	3	10
chr3	12980264	12980339	-	3	75	0	2	14
chr3	13021569	13021615	-	2	46	2	1	9
chr3	13034761	13034848	-	3	87	3	3	7
chr3	13036177	13036238	-	2	61	1	2	11
chr3	13039389	13039458	-	3	69	2	5	11
chr3	13070974	13071046	-	3	72	0	0	9
chr3	13083074	13083119	-	2	45	0	2	6
chr3	13086277	13086349	-	3	72	0	4	11
chr3	13116364	13116429	-	2	65	1	1	8
chr3	13179672	13179744	-	3	72	2	4	11
chr3	13192632	13192706	-	2	74	0	0	10
chr3	13202732	13202798	-	3	66	0	4	9
chr3	13209509	13209585	-	3	76	0	1	13
chr3	13225712	13225779	-	3	67	2	2	6
chr3	13236478	13236531	-	2	53	2	1	7
chr3	13237630	13237770	-	4	140	0	2	14
chr3	13247876	13248016	-	5	140	0	4	21
chr3	13257039	13257080	-	2	41	0	0	4
chr3	13261048	13261154	-	4	106	0	0	8
chr3	13264009	13264080	-	3	71	0	4	12
chr3	13272215	13272266	-	2	51	1	2	6
chr3	13347236	13347306	-	3	70	0	0	18
chr3	13360857	13360926	-	3	69	1	3	9
chr3	13372571	13372639	-	2	68	0	1	7
chr3	13386340	13386417	-	3	77	4	3	13
chr3	13406185	13406296	-	4	111	4	6	18
chr3	13422436	13422540	-	4	104	0	2	14
chr3	13425268	13425483	-	7	215	0	7	34
chr3	13443135	13443201	-	3	66	2	2	14
chr3	13472145	13472218	-	3	73	2	5	11
chr3	13490915	13490956	-	2	41	0	1	10
chr3	13502861	13502902	-	2	41	1	0	9
chr3	13532706	13532813	-	4	107	2	2	13
chr3	13545517	13545633	-	4	116	0	0	14
chr3	13550827	13550881	-	2	54	1	1	4
chr3	13609922	13609970	-	2	48	0	1	8
chr3	13627827	13627868	-	2	41	0	0	6
chr3	13685075	13685146	-	2	71	4	2	12
chr3	13893808	13893860	-	2	52	0	1	6
chr3	13894059	13894210	-	5	151	1	2	16
chr3	13916475	13916548	-	3	73	1	2	13
chr3	13948800	13948911	-	4	111	0	5	12
chr3	13949124	13949195	-	3	71	2	1	14
chr3	13964606	13964655	-	2	49	0	3	7
chr3	13966860	13966929	-	2	69	0	2	8
chr3	13969171	13969212	-	2	41	2	1	5
chr3	13976894	13976952	-	2	58	0	3	9
chr3	13986277	13986349	-	3	72	2	2	15
chr3	13990404	13990475	-	3	71	0	1	23

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	14003577	14003653	-	3	76	1	3	12
chr3	14004521	14004624	-	4	103	0	1	5
chr3	14035823	14035971	-	5	148	0	1	23
chr3	14049526	14049598	-	3	72	3	6	10
chr3	14052692	14052762	-	3	70	9	1	2
chr3	14083241	14083315	-	3	74	1	0	20
chr3	14102581	14102651	-	3	70	2	4	11
chr3	14103248	14103325	-	3	77	1	4	12
chr3	14246403	14246474	-	3	71	1	0	4
chr3	14268506	14268579	-	3	73	2	2	14
chr3	14279733	14279805	-	3	72	1	3	12
chr3	14290121	14290195	-	3	74	3	4	11
chr3	14296619	14296686	-	2	67	0	0	3
chr3	14322009	14322088	-	3	79	1	1	9
chr3	14334039	14334115	-	3	76	1	5	13
chr3	14349613	14349654	-	2	41	0	0	7
chr3	14352786	14352827	-	2	41	0	1	9
chr3	14355093	14355163	-	3	70	1	2	10
chr3	14364832	14364902	-	3	70	1	1	12
chr3	14381264	14381331	-	3	67	1	3	10
chr3	14405416	14405491	-	3	75	0	4	15
chr3	14430456	14430591	-	5	135	2	1	24
chr3	14458008	14458154	-	5	146	4	6	10
chr3	14496185	14496252	-	3	67	1	0	16
chr3	14500352	14500421	-	3	69	2	3	9
chr3	14573716	14573819	-	4	103	3	2	18
chr3	14584170	14584231	-	2	61	4	2	5
chr3	14592508	14592579	-	2	71	2	4	6
chr3	14598177	14598263	-	3	86	1	2	12
chr3	14612335	14612404	-	3	69	2	0	7
chr3	14632757	14632859	-	4	102	3	5	17
chr3	14654585	14654654	-	3	69	3	1	12
chr3	14656530	14656607	-	3	77	0	1	17
chr3	14657428	14657492	-	3	64	2	4	18
chr3	14661438	14661491	-	2	53	1	0	7
chr3	14670855	14670929	-	3	74	0	3	12
chr3	14674447	14674592	-	5	145	7	10	11
chr3	14689371	14689442	-	3	71	0	2	6
chr3	14733329	14733436	-	4	107	2	3	8
chr3	14736096	14736205	-	4	109	1	4	17
chr3	14742525	14742601	-	3	76	5	2	15
chr3	14753124	14753200	-	3	76	7	1	12
chr3	14755511	14755651	-	4	140	4	3	14
chr3	14756300	14756371	-	3	71	2	0	10
chr3	14757433	14757576	-	5	143	1	2	29
chr3	14795443	14795511	-	3	68	1	1	10
chr3	14796289	14796359	-	3	70	0	0	9
chr3	14808331	14808406	-	3	75	1	5	13
chr3	14809761	14809864	-	4	103	3	2	18
chr3	14830523	14830594	-	3	71	3	4	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	14854118	14854294	-	6	176	7	6	4
chr3	14854508	14854685	-	6	177	6	5	35
chr3	14876226	14876314	-	3	88	1	4	19
chr3	14878132	14878200	-	3	68	0	1	12
chr3	14879371	14879449	-	3	78	2	1	14
chr3	14914744	14914813	-	3	69	1	0	15
chr3	14934277	14934354	-	3	77	6	6	8
chr3	14939724	14939795	-	3	71	1	0	7
chr3	14951774	14951847	-	3	73	5	5	8
chr3	14955082	14955153	-	3	71	1	5	11
chr3	14967126	14967201	-	3	75	4	2	7
chr3	14979267	14979373	-	4	106	3	4	20
chr3	14984717	14984758	-	2	41	1	1	4
chr3	14985635	14985743	-	4	108	3	5	16
chr3	15027378	15027555	-	6	177	5	7	23
chr3	15062218	15062288	-	3	70	5	6	2
chr3	15064198	15064297	-	3	99	0	5	11
chr3	15067354	15067471	-	4	117	1	2	14
chr3	15073545	15073654	-	4	109	2	0	24
chr3	15105736	15105807	-	3	71	1	4	15
chr3	15109030	15109101	-	3	71	1	2	10
chr3	15113701	15113769	-	3	68	0	2	9
chr3	15135467	15135541	-	3	74	1	2	10
chr3	15190820	15190932	-	4	112	5	7	10
chr3	15209399	15209476	-	3	77	1	4	11
chr3	15209911	15210026	-	4	115	3	6	9
chr3	15213147	15213292	-	5	145	1	3	17
chr3	15213604	15213678	-	3	74	3	5	15
chr3	15213996	15214066	-	3	70	4	2	18
chr3	15236717	15236789	-	3	72	0	1	9
chr3	15237184	15237299	-	4	115	0	0	24
chr3	15238524	15238565	-	2	41	3	1	6
chr3	15285302	15285448	-	5	146	3	5	12
chr3	15365751	15365854	-	4	103	7	5	16
chr3	15366562	15366670	-	4	108	0	3	17
chr3	15393444	15393516	-	3	72	3	2	12
chr3	15416676	15416780	-	4	104	5	7	10
chr3	15417261	15417398	-	5	137	8	11	24
chr3	15418641	15418682	-	2	41	2	4	7
chr3	15469221	15469335	-	4	114	0	2	20
chr3	15469719	15469775	-	2	56	0	0	7
chr3	15472387	15472442	-	2	55	0	3	3
chr3	15508450	15508548	At3g32880	4	98	2	5	16
chr3	15521260	15521368	At3g32880	4	108	0	3	29
chr3	15522098	15522167	At3g32880	3	69	0	4	13
chr3	15523215	15523353	At3g32880	5	138	2	5	29
chr3	15523625	15523737	At3g32880	4	112	1	4	8
chr3	15548713	15548761	At3g32880	2	48	1	3	4
chr3	15570163	15570234	-	3	71	1	4	12
chr3	15570777	15570846	-	3	69	6	2	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	15579913	15580017	At3g32880	4	104	3	5	17
chr3	15601191	15601232	At3g32880	2	41	1	1	8
chr3	15607245	15607329	At3g32880	3	84	2	1	14
chr3	15607585	15607657	At3g32880	3	72	1	4	7
chr3	15614165	15614374	At3g32880	7	209	6	14	21
chr3	15634129	15634274	At3g32880	5	145	0	6	24
chr3	15635905	15635980	At3g32880	3	75	0	3	6
chr3	15655838	15655890	At3g32880	2	52	1	2	9
chr3	15658341	15658454	At3g32880	4	113	2	3	19
chr3	15675980	15676094	At3g32880	4	114	1	2	9
chr3	15682015	15682156	At3g32880	5	141	6	1	24
chr3	15683444	15683586	At3g32880	5	142	6	4	23
chr3	15687535	15687603	At3g32880	2	68	1	1	3
chr3	15689790	15689866	At3g32880	3	76	0	3	9
chr3	15690286	15690357	At3g32880	3	71	1	0	7
chr3	15711358	15711421	At3g32880	3	63	0	3	17
chr3	15712714	15712790	At3g32880	3	76	3	0	10
chr3	15720290	15720358	At3g32880	3	68	5	7	8
chr3	15721183	15721333	At3g32880	5	150	4	5	13
chr3	15744204	15744283	-	3	79	2	2	15
chr3	15753395	15753502	At3g43890	4	107	3	2	11
chr3	15754043	15754184	At3g43890	5	141	1	4	17
chr3	15754580	15754653	-	3	73	0	0	7
chr3	15762145	15762264	-	4	119	4	1	18
chr3	15766178	15766288	At3g43920	4	110	1	4	13
chr3	15769373	15769514	At3g43920	5	141	1	4	19
chr3	15772022	15772126	At3g43930	4	104	8	10	9
chr3	15792457	15792596	-	5	139	1	0	21
chr3	15798541	15798604	At3g44000	3	63	1	1	9
chr3	15809159	15809302	-	5	143	0	0	12
chr3	15833230	15833382	At3g44050	5	152	2	6	24
chr3	15846637	15846746	At3g44080	4	109	1	4	12
chr3	15851322	15851423	At3g44090	4	101	2	3	14
chr3	15865549	15865590	-	2	41	0	0	11
chr3	15891464	15891536	-	3	72	0	2	4
chr3	15891670	15891743	-	3	73	0	1	19
chr3	15894942	15895011	-	2	69	0	0	6
chr3	15904261	15904342	-	3	81	2	1	3
chr3	15918531	15918603	At3g44200	3	72	1	3	9
chr3	15920304	15920376	At3g44200	3	72	2	3	11
chr3	15922885	15923027	-	5	142	1	2	12
chr3	15925578	15925727	At3g44205	5	149	1	8	9
chr3	15931484	15931597	At3g44215	4	113	1	5	16
chr3	15933826	15933928	At3g44215	4	102	0	5	13
chr3	15947007	15947075	-	3	68	1	4	11
chr3	15953883	15953924	-	2	41	1	1	6
chr3	15956629	15956699	-	3	70	0	2	13
chr3	15973278	15973327	-	2	49	0	1	9
chr3	15994470	15994542	At3g44300	3	72	0	2	17
chr3	16002684	16002759	-	3	75	1	0	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	16007659	16007728	At3g44325	3	69	4	1	8
chr3	16012641	16012709	-	3	68	5	5	7
chr3	16024583	16024654	At3g44340	3	71	2	2	13
chr3	16034725	16034802	At3g44350	3	77	4	8	4
chr3	16061343	16061452	-	4	109	7	8	15
chr3	16086871	16086978	-	4	107	3	3	7
chr3	16095457	16095564	-	4	107	0	5	20
chr3	16109939	16110015	-	3	76	3	1	11
chr3	16139556	16139698	-	5	142	5	6	17
chr3	16150485	16150550	At3g44550	3	65	1	0	18
chr3	16179002	16179072	At3g31490	3	70	1	4	11
chr3	16185544	16185689	At3g31490	4	145	1	6	14
chr3	16199313	16199416	At3g31490	4	103	8	6	18
chr3	16207316	16207428	At3g31490	4	112	3	5	18
chr3	16208990	16209257	At3g31490	7	267	7	6	25
chr3	16210594	16210719	At3g31490	4	125	3	4	11
chr3	16211006	16211082	At3g31490	3	76	1	3	15
chr3	16219704	16219816	At3g31490	4	112	4	5	11
chr3	16220847	16220918	-	3	71	3	4	10
chr3	16221989	16222182	-	5	193	4	4	19
chr3	16235262	16235327	At3g31490	2	65	1	0	4
chr3	16249725	16249798	At3g31490	3	73	2	1	15
chr3	16253484	16253596	At3g31490	4	112	5	4	12
chr3	16257333	16257480	At3g31490	5	147	0	2	25
chr3	16265749	16265821	At3g31490	3	72	2	3	10
chr3	16284780	16284863	At3g31490	3	83	4	2	14
chr3	16285151	16285249	At3g31490	4	98	1	5	13
chr3	16300526	16300636	At3g31490	4	110	3	5	12
chr3	16317668	16317735	At3g31490	3	67	2	3	17
chr3	16328720	16328868	At3g31490	5	148	3	4	21
chr3	16337006	16337112	At3g31490	4	106	3	2	18
chr3	16339337	16339485	At3g31490	5	148	10	5	20
chr3	16357212	16357315	-	4	103	2	5	10
chr3	16362631	16362703	-	3	72	0	0	15
chr3	16365630	16365714	-	3	84	1	0	7
chr3	16369515	16369624	At3g44810	4	109	0	5	21
chr3	16374894	16374963	At3g44820	3	69	0	1	8
chr3	16375108	16375256	At3g44820	5	148	0	8	16
chr3	16376025	16376098	-	3	73	1	3	15
chr3	16380983	16381053	At3g44830	3	70	5	9	7
chr3	16385731	16385803	At3g44850	3	72	2	6	14
chr3	16387524	16387630	At3g44850	4	106	1	2	11
chr3	16396074	16396143	At3g44880	3	69	2	4	16
chr3	16402746	16402899	-	5	153	6	8	11
chr3	16424968	16425076	At3g44940	4	108	2	5	28
chr3	16442285	16442355	-	3	70	3	4	7
chr3	16449087	16449158	-	3	71	0	4	9
chr3	16457130	16457206	-	3	76	4	2	10
chr3	16462127	16462189	At3g22555	2	62	0	0	2
chr3	16482062	16482124	At3g22555	2	62	0	0	5

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	16486261	16486337	At3g22555	3	76	0	2	13
chr3	16497038	16497116	At3g22555	3	78	0	0	10
chr3	16501565	16501633	At3g22555	3	68	0	1	14
chr3	16501955	16502070	At3g22555	4	115	3	3	16
chr3	16514365	16514442	At3g22555	3	77	3	2	19
chr3	16516920	16516993	At3g22555	3	73	1	2	4
chr3	16524314	16524489	At3g22555	6	175	1	2	25
chr3	16527837	16527912	At3g22555	3	75	1	2	12
chr3	16536112	16536182	At3g22555	3	70	1	2	12
chr3	16552939	16553015	At3g22555	3	76	4	3	7
chr3	16558849	16558921	At3g22555	3	72	4	4	6
chr3	16577423	16577526	At3g22555	3	103	1	0	13
chr3	16577759	16577832	At3g22555	3	73	1	0	9
chr3	16580218	16580361	At3g22555	5	143	8	10	4
chr3	16582491	16582594	At3g22555	4	103	0	4	14
chr3	16587304	16587493	At3g22555	6	189	0	1	27
chr3	16593157	16593198	At3g22555	2	41	1	1	3
chr3	16598400	16598512	At3g22555	4	112	2	1	9
chr3	16632284	16632402	At3g22555	4	118	3	4	20
chr3	16635251	16635292	At3g22555	2	41	1	1	7
chr3	16642845	16642984	At3g22555	5	139	2	5	17
chr3	16643401	16643508	At3g22555	4	107	0	3	16
chr3	16644844	16644957	At3g22555	4	113	0	6	13
chr3	16667847	16667915	At3g22555	3	68	1	2	3
chr3	16674598	16674670	At3g22555	3	72	1	2	4
chr3	16676162	16676305	At3g22555	5	143	2	6	11
chr3	16689960	16690101	At3g22555	5	141	5	5	17
chr3	16694829	16694972	At3g22555	5	143	2	7	17
chr3	16698686	16698790	At3g22555	4	104	3	5	7
chr3	16700295	16700448	At3g22555	5	153	5	2	12
chr3	16701677	16701864	At3g22555	6	187	3	2	23
chr3	16713928	16713998	At3g22555	3	70	4	3	9
chr3	16715923	16715996	At3g22555	3	73	1	0	10
chr3	16729966	16730039	At3g22555	3	73	4	7	11
chr3	16735604	16735674	At3g22555	3	70	5	1	7
chr3	16757932	16758076	At3g22555	5	144	4	7	19
chr3	16758510	16758722	At3g22555	7	212	7	11	25
chr3	16758902	16759086	At3g22555	6	184	4	4	29
chr3	16763641	16763753	At3g22555	4	112	1	7	9
chr3	16767806	16767986	At3g22555	6	180	10	13	14
chr3	16768487	16768559	At3g22555	3	72	0	6	12
chr3	16769705	16769815	At3g22555	4	110	1	3	19
chr3	16770610	16770681	At3g22555	3	71	0	3	8
chr3	16773716	16773791	At3g22555	3	75	3	6	6
chr3	16780678	16780750	At3g22555	3	72	3	2	13
chr3	16787163	16787233	At3g22555	3	70	1	3	6
chr3	16787551	16787649	At3g22555	4	98	3	7	14
chr3	16800323	16800393	At3g22555	3	70	0	2	9
chr3	16810845	16810887	At3g22555	2	42	2	2	6
chr3	16816411	16816546	At3g22555	4	135	4	3	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	16817687	16817757	At3g22555	3	70	2	4	6
chr3	16825497	16825539	At3g22555	2	42	2	1	5
chr3	16850309	16850377	At3g22555	3	68	2	4	9
chr3	16852462	16852568	At3g22555	4	106	1	3	24
chr3	16878856	16878963	At3g22555	4	107	2	6	21
chr3	16883921	16884031	At3g22555	4	110	0	2	19
chr3	16885367	16885472	At3g22555	4	105	0	5	5
chr3	16886919	16886987	At3g22555	3	68	3	3	5
chr3	16888283	16888387	At3g22555	4	104	0	0	16
chr3	16895271	16895345	At3g22555	3	74	0	1	8
chr3	16911911	16911952	At3g22555	2	41	1	2	8
chr3	16927525	16927601	At3g22555	3	76	4	3	16
chr3	16927860	16927934	At3g22555	3	74	3	6	16
chr3	16935097	16935138	At3g22555	2	41	1	2	8
chr3	16936731	16936802	At3g22555	3	71	2	2	8
chr3	16962247	16962300	At3g22555	2	53	4	1	5
chr3	16962879	16962951	At3g22555	3	72	3	1	18
chr3	16969357	16969465	At3g22555	4	108	2	4	11
chr3	16985506	16985652	At3g22555	5	146	1	2	22
chr3	16989008	16989082	At3g22555	3	74	1	3	2
chr3	16995182	16995257	At3g22555	3	75	2	3	7
chr3	16999835	16999908	At3g22555	3	73	2	0	14
chr3	17005990	17006070	At3g22555	3	80	0	0	9
chr3	17015235	17015304	At3g22555	3	69	0	4	11
chr3	17019326	17019538	At3g22555	7	212	4	1	23
chr3	17021451	17021492	At3g22555	2	41	0	0	11
chr3	17027863	17027934	At3g22555	3	71	1	1	9
chr3	17033844	17033944	At3g22555	4	100	1	4	9
chr3	17048715	17048798	At3g22555	3	83	1	1	6
chr3	17052021	17052097	At3g22555	3	76	3	3	14
chr3	17060652	17060762	At3g22555	4	110	2	4	17
chr3	17064109	17064403	At3g22555	9	294	1	7	27
chr3	17102388	17102529	At3g22555	5	141	8	6	12
chr3	17108169	17108354	At3g22555	6	185	5	3	32
chr3	17121369	17121441	-	3	72	1	1	11
chr3	17144029	17144105	At3g22555	3	76	5	1	8
chr3	17159723	17159797	At3g22555	3	74	1	2	20
chr3	17166286	17166395	At3g22555	4	109	2	4	20
chr3	17180902	17181039	At3g22555	5	137	2	6	14
chr3	17188722	17188816	At3g22555	3	94	1	4	13
chr3	17199164	17199277	At3g22555	4	113	5	0	15
chr3	17208862	17208973	At3g22555	4	111	2	2	5
chr3	17234193	17234302	-	4	109	2	2	14
chr3	17236441	17236520	-	3	79	1	0	13
chr3	17237078	17237191	-	4	113	2	2	14
chr3	17237739	17237804	-	2	65	0	0	8
chr3	17241809	17241883	-	3	74	2	4	13
chr3	17249556	17249665	-	4	109	6	4	20
chr3	17268832	17268939	-	4	107	5	5	6
chr3	17277521	17277588	-	3	67	4	2	6

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	17293207	17293355	-	5	148	3	6	18
chr3	17293575	17293650	-	3	75	0	4	15
chr3	17306571	17306704	-	5	133	4	7	24
chr3	17313276	17313353	-	3	77	2	1	7
chr3	17314519	17314706	-	6	187	4	7	18
chr3	17316603	17316675	-	3	72	1	0	14
chr3	17328305	17328380	-	3	75	2	3	6
chr3	17330831	17330967	-	5	136	7	5	24
chr3	17338139	17338207	-	3	68	2	3	11
chr3	17342322	17342391	-	3	69	2	5	15
chr3	17342570	17342717	-	5	147	3	1	15
chr3	17347089	17347159	-	3	70	1	1	15
chr3	17354266	17354403	-	5	137	2	4	15
chr3	17354541	17354603	-	3	62	2	3	12
chr3	17358292	17358359	-	3	67	3	4	13
chr3	17361012	17361157	-	5	145	1	7	17
chr3	17362016	17362087	-	3	71	0	4	12
chr3	17365115	17365188	-	3	73	1	3	15
chr3	17394835	17394896	At3g22555	2	61	0	1	4
chr3	17398945	17399019	At3g22555	3	74	1	1	13
chr3	17429449	17429593	At3g22555	5	144	3	2	15
chr3	17432679	17432750	At3g22555	3	71	0	1	12
chr3	17433447	17433492	At3g22555	2	45	0	2	8
chr3	17455784	17455855	At3g22555	3	71	1	1	9
chr3	17469895	17469971	At3g22555	3	76	1	1	12
chr3	17474964	17475102	At3g22555	5	138	1	3	11
chr3	17484908	17484950	At3g22555	2	42	1	2	8
chr3	17489909	17489985	At3g22555	3	76	2	1	11
chr3	17490926	17491032	At3g22555	4	106	5	4	15
chr3	17495363	17495437	At3g22555	3	74	2	5	11
chr3	17499196	17499268	At3g22555	3	72	2	5	11
chr3	17512757	17512910	At3g22555	5	153	1	1	28
chr3	17513921	17513992	At3g22555	3	71	0	2	13
chr3	17525257	17525368	At3g22555	4	111	1	3	19
chr3	17540433	17540721	At3g22555	9	288	7	4	43
chr3	17546908	17546976	At3g22555	3	68	1	2	12
chr3	17579142	17579283	At3g22555	5	141	4	4	26
chr3	17584150	17584294	At3g22555	5	144	4	8	28
chr3	17600850	17600955	At3g22555	4	105	2	1	11
chr3	17605111	17605156	At3g22555	2	45	0	2	5
chr3	17615814	17615919	At3g22555	4	105	4	4	18
chr3	17636942	17637057	At3g22555	4	115	3	5	18
chr3	17650409	17650489	At3g22555	3	80	1	2	12
chr3	17659313	17659418	At3g22555	4	105	3	4	9
chr3	17667641	17668001	At3g22555	11	360	3	16	57
chr3	17668269	17668343	At3g22555	3	74	3	5	7
chr3	17668597	17668667	At3g22555	3	70	1	4	8
chr3	17671295	17671404	At3g22555	4	109	3	7	15
chr3	17679794	17679940	At3g22555	5	146	2	5	19
chr3	17682623	17682732	At3g22555	4	109	0	4	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	17689796	17689902	At3g22555	4	106	1	5	11
chr3	17690896	17691036	At3g22555	5	140	3	5	16
chr3	17691825	17691938	At3g22555	4	113	2	8	16
chr3	17695014	17695089	At3g22555	3	75	0	3	16
chr3	17706674	17706817	At3g22555	5	143	2	4	29
chr3	17710236	17710308	At3g22555	3	72	5	4	7
chr3	17714695	17714736	At3g22555	2	41	0	2	8
chr3	17724288	17724366	At3g22555	3	78	2	3	16
chr3	17737215	17737291	At3g22555	3	76	1	2	13
chr3	17745286	17745396	At3g48050	4	110	2	5	11
chr3	17753963	17754034	-	3	71	1	1	14
chr3	17755626	17755714	At3g48060	3	88	2	7	7
chr3	17758383	17758452	At3g48060	3	69	1	3	14
chr3	17766719	17766870	At3g48090	5	151	4	6	8
chr3	17768744	17768813	-	3	69	2	2	12
chr3	17773252	17773356	-	4	104	1	3	15
chr3	17773952	17774089	-	5	137	3	1	20
chr3	17775009	17775118	At3g48110	4	109	4	4	19
chr3	17780540	17780619	At3g48110	3	79	1	4	11
chr3	17784364	17784431	At3g48120	3	67	1	4	16
chr3	17796904	17796978	At3g48160	3	74	2	2	11
chr3	17812535	17812649	At3g48190	4	114	6	4	15
chr3	17815046	17815150	At3g48190	4	104	2	4	19
chr3	17818396	17818500	At3g48190	4	104	1	3	16
chr3	17822048	17822094	At3g48190	2	46	1	2	5
chr3	17825782	17825823	At3g48190	2	41	1	1	5
chr3	17858703	17858810	-	4	107	2	2	22
chr3	17862910	17863227	-	10	317	5	9	34
chr3	17866686	17866831	At3g48230	5	145	2	5	19
chr3	17870806	17870928	-	4	122	1	1	12
chr3	17875647	17875720	At3g48235	3	73	1	0	18
chr3	17876925	17877033	-	4	108	6	5	14
chr3	17883294	17883351	-	2	57	2	3	4
chr3	17894752	17894827	At3g48290	3	75	4	5	10
chr3	17913808	17913915	-	4	107	0	4	17
chr3	17914176	17914286	-	4	110	5	4	14
chr3	17938167	17938270	At3g48410	4	103	6	4	9
chr3	17939000	17939075	At3g48410	3	75	0	5	11
chr3	17942587	17942657	At3g48420	3	70	1	0	9
chr3	17972942	17973054	-	4	112	1	2	16
chr3	17978121	17978231	-	4	110	3	2	19
chr3	17993605	17993671	At3g48523	3	66	0	8	9
chr3	17996198	17996310	At3g48526	4	112	1	1	19
chr3	18012083	18012168	-	3	85	2	2	10
chr3	18012434	18012505	At3g48560	3	71	1	5	4
chr3	18013147	18013254	At3g48560	4	107	4	4	8
chr3	18020038	18020084	At3g48590	2	46	0	2	7
chr3	18020423	18020499	At3g48590	3	76	6	5	7
chr3	18021825	18021974	At3g48600	5	149	9	5	11
chr3	18029171	18029238	-	3	67	3	1	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	18043777	18043818	At3g48670	2	41	0	2	14
chr3	18046896	18046971	At3g48680	3	75	0	2	19
chr3	18054940	18054984	At3g48710	2	44	0	1	12
chr3	18073238	18073285	-	2	47	0	0	5
chr3	18088959	18089034	At3g48760	3	75	2	6	15
chr3	18089117	18089230	At3g48760	4	113	1	2	15
chr3	18095543	18095619	At3g48770	3	76	3	4	8
chr3	18108695	18108843	At3g48810	5	148	4	3	30
chr3	18125078	18125221	-	5	143	3	4	29
chr3	18139982	18140052	At3g48880	3	70	0	2	12
chr3	18142006	18142079	At3g48890	3	73	2	5	17
chr3	18150387	18150458	At3g48920	3	71	1	2	18
chr3	18152285	18152358	At3g48930	3	73	0	1	12
chr3	18163339	18163444	At3g48970	4	105	4	3	11
chr3	18167673	18167813	At3g48980	5	140	2	6	28
chr3	18172223	18172333	At3g48990	4	110	7	5	19
chr3	18175877	18176021	At3g49000	5	144	2	4	17
chr3	18177030	18177245	-	6	215	3	6	19
chr3	18186027	18186096	-	3	69	1	0	12
chr3	18211430	18211509	-	3	79	1	0	8
chr3	18232690	18232768	-	3	78	1	3	10
chr3	18235026	18235098	At3g49160	3	72	1	4	10
chr3	18235575	18235643	At3g49160	3	68	0	2	9
chr3	18251433	18251515	At3g49210	3	82	1	2	7
chr3	18260778	18260996	At3g49220	7	218	11	12	13
chr3	18270860	18270970	At3g49250	4	110	1	4	18
chr3	18274888	18275065	At3g49260	6	177	8	13	17
chr3	18283580	18283681	At3g49290	4	101	1	2	4
chr3	18292991	18293032	-	2	41	1	0	6
chr3	18298152	18298265	At3g49310	4	113	3	5	6
chr3	18309782	18309893	At3g49350	4	111	5	5	12
chr3	18310831	18310984	At3g49350	5	153	9	9	7
chr3	18316822	18316889	At3g49370	3	67	0	1	11
chr3	18318657	18318768	At3g49370	4	111	3	7	23
chr3	18327591	18327659	At3g49390	3	68	1	2	6
chr3	18327992	18328133	At3g49390	5	141	1	1	7
chr3	18332402	18332508	At3g49400	4	106	1	6	11
chr3	18334576	18334680	At3g49400	4	104	2	6	13
chr3	18345225	18345369	At3g49430	5	144	7	11	21
chr3	18351319	18351392	-	3	73	2	6	10
chr3	18353965	18354037	At3g49480	3	72	4	5	11
chr3	18356037	18356107	At3g49490	3	70	2	6	12
chr3	18357084	18357169	At3g49490	3	85	4	2	6
chr3	18364179	18364222	At3g49500	2	43	0	2	1
chr3	18364993	18365101	At3g49510	4	108	3	4	16
chr3	18367767	18367830	-	3	63	1	2	11
chr3	18372206	18372276	-	3	70	1	6	1
chr3	18375427	18375498	At3g49530	3	71	0	1	12
chr3	18377024	18377096	At3g49540	3	72	2	8	9
chr3	18382349	18382455	At3g49560	4	106	1	3	21

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	18395432	18395502	At3g49600	3	70	1	5	7
chr3	18397335	18397443	At3g49600	4	108	2	5	11
chr3	18413110	18413214	At3g49640	4	104	1	3	16
chr3	18413787	18413858	At3g49640	3	71	7	5	7
chr3	18415152	18415292	At3g49640	5	140	3	5	19
chr3	18425035	18425179	At3g49660	5	144	4	9	17
chr3	18435749	18435821	At3g49680	3	72	2	1	14
chr3	18438709	18438777	-	3	68	0	1	4
chr3	18448671	18448771	-	4	100	4	3	10
chr3	18451629	18451742	At3g49720	4	113	1	5	12
chr3	18454545	18454622	At3g49730	3	77	1	5	9
chr3	18478519	18478592	-	3	73	4	3	8
chr3	18484879	18485030	-	5	151	1	6	14
chr3	18486537	18486645	At3g49810	4	108	1	4	9
chr3	18493313	18493385	-	3	72	2	3	8
chr3	18497419	18497486	At3g49840	3	67	0	3	8
chr3	18499401	18499473	-	3	72	3	2	4
chr3	18500393	18500434	At3g49850	2	41	0	0	15
chr3	18513771	18513870	-	3	99	2	0	9
chr3	18514977	18515045	-	3	68	2	3	8
chr3	18519325	18519430	-	4	105	1	0	15
chr3	18524092	18524316	-	7	224	8	7	31
chr3	18529011	18529122	-	4	111	1	0	22
chr3	18535183	18535298	At3g49960	4	115	3	1	11
chr3	18538615	18538687	At3g49970	3	72	3	3	2
chr3	18558383	18558460	At3g50030	3	77	2	3	4
chr3	18577677	18577778	At3g50070	4	101	1	4	23
chr3	18579181	18579325	-	5	144	2	2	27
chr3	18585116	18585188	At3g50080	3	72	2	4	21
chr3	18604674	18604751	At3g50140	3	77	7	3	7
chr3	18613560	18613670	At3g50170	4	110	6	2	13
chr3	18618567	18618608	-	2	41	1	2	8
chr3	18623897	18623965	At3g50200	3	68	4	3	11
chr3	18625385	18625426	At3g50210	2	41	0	1	5
chr3	18633088	18633129	At3g50230	2	41	1	0	13
chr3	18633734	18633802	At3g50230	3	68	1	3	9
chr3	18637798	18637909	At3g50240	4	111	1	6	19
chr3	18647889	18648007	At3g50270	4	118	2	3	22
chr3	18650246	18650320	-	3	74	2	4	9
chr3	18652931	18653001	At3g50295	3	70	1	1	15
chr3	18668689	18668759	At3g50330	3	70	5	4	10
chr3	18683436	18683580	-	5	144	1	2	19
chr3	18687930	18688034	At3g50370	4	104	5	3	17
chr3	18691287	18691472	At3g50370	6	185	3	11	31
chr3	18697669	18697783	At3g50380	4	114	2	5	14
chr3	18700262	18700332	At3g50380	3	70	3	2	6
chr3	18707269	18707416	At3g50380	5	147	0	5	14
chr3	18710886	18711000	At3g50380	4	114	5	3	12
chr3	18724615	18724660	At3g50420	2	45	5	3	3
chr3	18732580	18732723	-	5	143	0	1	18

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	18744731	18744833	At3g50480	4	102	1	1	15
chr3	18753953	18754021	At3g50500	3	68	3	6	8
chr3	18761547	18761620	-	3	73	0	0	14
chr3	18764991	18765061	At3g50530	3	70	5	4	6
chr3	18770458	18770603	At3g50550	5	145	10	2	20
chr3	18773365	18773440	At3g50560	3	75	1	1	10
chr3	18785952	18786101	At3g50590	5	149	3	6	21
chr3	18788872	18788916	At3g50590	2	44	0	2	3
chr3	18791182	18791255	At3g50610	3	73	2	2	11
chr3	18808229	18808342	-	4	113	1	2	15
chr3	18824788	18824896	-	4	108	2	4	18
chr3	18839556	18839657	At3g50670	4	101	0	3	11
chr3	18841296	18841410	-	4	114	5	4	11
chr3	18847803	18847950	At3g50690	5	147	4	7	16
chr3	18867504	18867572	At3g50740	3	68	5	6	15
chr3	18899135	18899210	At3g50810	3	75	2	0	12
chr3	18904275	18904350	-	3	75	2	1	5
chr3	18913047	18913178	At3g50850	5	131	13	7	12
chr3	18927385	18927452	At3g50890	3	67	0	2	16
chr3	18933780	18933853	At3g50920	3	73	3	5	10
chr3	18958212	18958325	At3g51010	4	113	2	2	11
chr3	18972780	18972852	-	3	72	0	2	15
chr3	18976981	18977210	At3g51060	7	229	7	9	18
chr3	18979984	18980097	-	4	113	8	1	11
chr3	18998689	18998763	At3g51120	3	74	3	7	6
chr3	19001832	19001939	At3g51120	4	107	2	4	14
chr3	19008908	19009103	At3g51140	6	195	5	6	23
chr3	19017796	19018010	-	7	214	1	6	21
chr3	19020252	19020357	-	4	105	4	3	13
chr3	19025364	19025509	At3g51180	5	145	5	7	12
chr3	19026177	19026249	At3g51180	3	72	1	8	5
chr3	19031099	19031167	-	3	68	5	6	11
chr3	19053295	19053398	At3g51290	4	103	1	3	24
chr3	19054487	19054782	At3g51300	9	295	4	7	36
chr3	19055474	19055584	-	4	110	0	2	19
chr3	19057658	19057730	At3g51310	3	72	3	2	9
chr3	19059353	19059426	At3g51310	3	73	3	3	9
chr3	19060871	19060977	At3g51320	4	106	1	3	12
chr3	19069042	19069150	At3g51340	4	108	2	6	8
chr3	19070512	19070695	At3g51340	6	183	3	4	28
chr3	19082751	19082862	At3g51370	4	111	2	3	24
chr3	19083506	19083652	-	5	146	2	2	33
chr3	19084897	19085013	-	4	116	1	4	17
chr3	19095598	19095740	At3g51420	5	142	7	7	15
chr3	19114657	19114729	At3g51480	3	72	1	4	9
chr3	19115159	19115263	At3g51480	4	104	3	4	14
chr3	19117508	19117579	At3g51490	3	71	5	5	12
chr3	19120332	19120396	At3g51510	3	64	3	2	13
chr3	19126475	19126623	At3g51540	5	148	1	1	13
chr3	19127338	19127454	At3g51540	4	116	5	3	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	19130356	19130428	At3g51550	3	72	2	3	12
chr3	19133047	19133160	At3g51560	4	113	2	5	7
chr3	19136725	19136794	At3g51560	3	69	7	8	7
chr3	19137172	19137288	-	4	116	1	1	19
chr3	19138956	19139022	At3g51570	3	66	3	2	19
chr3	19140540	19140650	At3g51570	4	110	0	4	17
chr3	19149897	19150035	At3g51600	5	138	9	13	21
chr3	19152312	19152383	At3g51610	3	71	3	2	9
chr3	19161717	19161781	At3g51630	3	64	3	3	10
chr3	19163202	19163311	-	4	109	4	1	14
chr3	19172214	19172284	At3g51640	3	70	3	4	5
chr3	19172925	19172990	At3g51640	2	65	1	4	7
chr3	19181362	19181405	At3g51670	2	43	5	6	4
chr3	19187875	19187943	At3g51690	3	68	5	1	11
chr3	19197514	19197588	At3g51720	3	74	1	0	16
chr3	19200390	19200534	At3g51740	5	144	3	8	19
chr3	19213673	19213824	At3g51770	5	151	5	6	17
chr3	19235185	19235291	At3g51830	4	106	2	4	23
chr3	19243634	19243702	At3g51850	3	68	3	8	8
chr3	19244395	19244436	At3g51850	2	41	0	1	11
chr3	19251992	19252141	At3g51860	5	149	2	3	16
chr3	19258034	19258141	At3g51880	4	107	3	4	9
chr3	19269219	19269335	-	4	116	2	5	21
chr3	19275710	19275822	-	4	112	1	4	13
chr3	19278375	19278447	-	3	72	2	2	9
chr3	19285965	19286070	At3g51940	4	105	3	2	12
chr3	19290285	19290466	At3g51950	6	181	0	5	17
chr3	19292533	19292594	-	2	61	0	1	8
chr3	19304120	19304228	At3g52000	4	108	5	1	16
chr3	19307496	19307564	At3g52010	3	68	2	4	7
chr3	19321864	19321932	At3g52060	3	68	0	4	6
chr3	19329232	19329302	At3g52090	3	70	1	2	16
chr3	19333790	19333947	-	5	157	0	1	24
chr3	19336632	19336705	-	3	73	2	4	18
chr3	19348992	19349071	At3g52140	3	79	0	2	16
chr3	19362896	19362966	At3g52180	3	70	2	1	9
chr3	19373766	19373840	At3g52200	3	74	0	3	10
chr3	19374720	19374821	At3g52200	4	101	2	7	16
chr3	19377019	19377089	At3g52200	3	70	3	4	10
chr3	19382913	19383024	At3g52230	4	111	2	3	17
chr3	19383638	19383784	At3g52230	5	146	3	3	14
chr3	19387327	19387390	-	3	63	2	6	8
chr3	19390402	19390542	At3g52250	5	140	1	8	17
chr3	19390984	19391057	At3g52250	3	73	3	0	18
chr3	19394596	19394668	At3g52260	3	72	0	6	13
chr3	19396823	19396894	At3g52260	3	71	2	2	10
chr3	19408054	19408192	At3g52300	5	138	2	0	20
chr3	19408708	19408820	At3g52300	4	112	3	5	15
chr3	19429823	19429876	At3g52370	2	53	1	0	2
chr3	19448137	19448179	-	2	42	1	1	2

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	19450682	19450724	-	2	42	2	1	4
chr3	19451988	19452063	At3g52450	3	75	1	2	9
chr3	19457236	19457309	-	3	73	2	3	11
chr3	19470414	19470586	-	6	172	0	4	26
chr3	19474621	19474862	-	8	241	12	8	28
chr3	19481913	19482062	-	5	149	2	2	19
chr3	19492634	19492744	-	4	110	4	0	9
chr3	19500082	19500230	At3g52540	5	148	5	1	20
chr3	19511975	19512036	-	2	61	1	5	6
chr3	19512122	19512272	At3g52570	5	150	10	7	13
chr3	19514640	19514709	At3g52580	3	69	3	1	12
chr3	19519026	19519172	At3g52600	5	146	5	5	16
chr3	19526254	19526390	At3g52640	5	136	2	9	19
chr3	19526910	19527017	At3g52640	4	107	0	6	18
chr3	19530673	19530813	At3g52640	5	140	1	3	19
chr3	19556659	19556733	-	3	74	2	1	13
chr3	19561535	19561753	At3g52750	7	218	2	8	23
chr3	19588437	19588551	-	4	114	1	2	15
chr3	19599529	19599597	At3g52850	3	68	2	6	13
chr3	19600166	19600238	At3g52850	3	72	0	2	8
chr3	19614305	19614408	At3g52880	4	103	0	6	11
chr3	19614939	19615094	At3g52880	5	155	4	5	14
chr3	19616998	19617099	-	4	101	2	2	12
chr3	19624854	19624895	At3g52900	2	41	0	1	7
chr3	19638925	19639140	At3g52930	7	215	11	13	23
chr3	19646407	19646478	At3g52950	3	71	2	8	17
chr3	19646887	19646958	At3g52950	3	71	3	6	10
chr3	19653897	19653993	At3g52970	4	96	6	8	6
chr3	19661152	19661224	At3g52990	3	72	1	4	10
chr3	19676582	19676834	At3g53040	8	252	14	16	10
chr3	19691706	19691777	At3g53090	3	71	5	7	8
chr3	19699422	19699561	At3g53110	5	139	4	3	21
chr3	19705716	19705828	At3g53130	4	112	5	5	14
chr3	19706120	19706196	At3g53130	3	76	1	0	11
chr3	19709496	19709573	At3g53150	3	77	1	3	7
chr3	19711656	19711758	-	4	102	2	1	11
chr3	19713727	19713873	At3g53160	5	146	2	7	15
chr3	19729277	19729318	At3g53200	2	41	1	1	8
chr3	19731780	19731917	At3g53210	5	137	1	3	21
chr3	19733310	19733417	At3g53220	4	107	4	6	13
chr3	19735658	19735766	At3g53230	4	108	3	4	21
chr3	19736156	19736267	At3g53230	4	111	1	5	21
chr3	19738598	19738673	-	3	75	3	2	10
chr3	19739215	19739294	-	3	79	0	0	11
chr3	19745472	19745549	At3g53235	3	77	1	2	9
chr3	19747502	19747677	At3g53240	6	175	5	4	21
chr3	19748838	19748912	At3g53240	3	74	1	4	11
chr3	19749156	19749227	At3g53240	3	71	3	3	14
chr3	19755573	19755682	At3g53260	4	109	5	4	11
chr3	19761058	19761162	At3g53270	4	104	1	2	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	19778634	19778709	At3g53310	3	75	3	3	6
chr3	19781281	19781352	At3g53320	3	71	3	2	12
chr3	19784477	19784552	At3g53330	3	75	4	4	10
chr3	19791538	19791609	At3g53350	3	71	3	6	5
chr3	19792715	19792826	At3g53350	4	111	2	0	15
chr3	19802392	19802465	-	3	73	1	1	19
chr3	19807327	19807433	At3g53390	4	106	0	6	13
chr3	19810543	19810687	At3g53400	5	144	3	5	16
chr3	19812530	19812571	At3g53410	2	41	1	2	4
chr3	19812959	19813026	At3g53410	3	67	0	4	15
chr3	19823044	19823109	At3g53440	3	65	1	1	9
chr3	19824116	19824188	At3g53450	3	72	3	3	13
chr3	19831613	19831683	At3g53460	3	70	1	0	5
chr3	19832384	19832493	At3g53460	4	109	2	6	26
chr3	19834358	19834651	At3g53470	9	293	9	9	26
chr3	19841048	19841156	At3g53480	4	108	2	1	16
chr3	19844834	19844977	At3g53490	5	143	5	8	26
chr3	19848164	19848237	-	3	73	1	0	10
chr3	19851642	19851784	-	5	142	0	2	20
chr3	19854446	19854558	At3g53520	4	112	2	2	18
chr3	19854752	19854862	At3g53520	4	110	4	3	14
chr3	19868606	19868717	At3g53550	4	111	3	2	14
chr3	19872195	19872303	-	4	108	1	2	11
chr3	19873532	19873678	At3g53570	5	146	4	10	17
chr3	19891343	19891413	-	3	70	8	6	6
chr3	19895675	19895748	At3g53630	3	73	2	3	13
chr3	19905495	19905564	At3g53680	3	69	1	3	11
chr3	19906061	19906169	At3g53680	4	108	5	7	9
chr3	19910151	19910222	At3g53690	3	71	2	2	10
chr3	19912493	19912591	At3g53700	4	98	3	4	20
chr3	19916152	19916225	At3g53710	3	73	6	5	10
chr3	19929335	19929485	At3g53760	5	150	6	5	19
chr3	19935896	19936007	At3g53780	4	111	4	4	19
chr3	19965618	19965700	At3g53880	3	82	2	2	12
chr3	19974044	19974195	At3g53920	5	151	3	7	20
chr3	19976814	19976890	-	3	76	2	2	2
chr3	19978867	19979012	At3g53930	5	145	1	4	19
chr3	19979820	19979895	At3g53930	3	75	2	5	14
chr3	19981277	19981495	At3g53930	7	218	5	8	29
chr3	19987700	19987839	At3g53950	5	139	9	11	16
chr3	19991481	19991629	At3g53960	5	148	4	4	14
chr3	20001265	20001466	At3g53990	7	201	1	3	23
chr3	20006402	20006490	-	3	88	2	2	13
chr3	20006813	20006883	-	3	70	3	2	11
chr3	20012906	20013022	At3g54010	4	116	1	2	16
chr3	20027380	20027421	-	2	41	1	3	5
chr3	20030455	20030564	At3g54060	4	109	1	4	21
chr3	20040475	20040580	At3g54090	4	105	1	4	17
chr3	20056545	20056610	-	3	65	0	2	10
chr3	20063313	20063417	At3g54150	4	104	1	3	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	20069212	20069314	At3g54170	4	102	2	4	20
chr3	20076131	20076203	-	3	72	4	3	2
chr3	20077844	20077982	-	5	138	5	8	8
chr3	20088643	20088720	At3g54230	3	77	2	5	9
chr3	20095065	20095137	At3g54250	3	72	0	4	10
chr3	20116462	20116572	At3g54290	4	110	9	8	8
chr3	20118643	20118920	-	9	277	5	5	23
chr3	20119473	20119545	At3g54300	3	72	2	8	6
chr3	20134987	20135133	At3g54350	5	146	1	4	20
chr3	20145683	20145753	At3g54380	3	70	1	5	9
chr3	20150968	20151070	-	4	102	0	2	17
chr3	20158811	20159029	At3g54430	7	218	7	7	47
chr3	20172016	20172126	At3g54450	4	110	0	2	16
chr3	20173881	20173983	At3g54460	4	102	3	5	15
chr3	20184876	20184948	At3g54490	3	72	4	6	8
chr3	20193562	20193632	At3g54510	3	70	2	4	12
chr3	20194055	20194158	At3g54510	4	103	4	3	15
chr3	20197920	20198105	At3g54530	6	185	2	7	20
chr3	20203798	20203909	-	4	111	0	3	14
chr3	20208512	20208617	At3g54560	4	105	0	2	16
chr3	20210101	20210237	At3g54570	5	136	0	4	16
chr3	20220581	20220658	-	3	77	2	0	13
chr3	20220872	20220948	-	3	76	1	1	10
chr3	20227462	20227533	At3g54610	3	71	1	1	12
chr3	20233887	20233959	At3g54630	3	72	2	7	9
chr3	20238148	20238513	At3g54650	11	365	2	11	38
chr3	20241917	20242057	At3g54660	5	140	1	7	21
chr3	20249697	20249805	At3g54670	4	108	0	4	12
chr3	20252868	20252972	At3g54670	4	104	3	2	12
chr3	20279490	20279601	At3g54750	4	111	2	4	10
chr3	20281387	20281531	At3g54760	5	144	2	8	15
chr3	20281740	20281814	At3g54760	3	74	0	5	12
chr3	20283954	20284068	-	4	114	0	6	5
chr3	20298098	20298139	At3g54800	2	41	3	3	8
chr3	20302356	20302432	-	3	76	0	0	15
chr3	20303759	20303812	-	2	53	0	0	12
chr3	20312892	20312944	-	2	52	1	1	4
chr3	20324924	20325068	At3g54830	5	144	6	9	18
chr3	20331993	20332174	-	6	181	0	3	22
chr3	20337980	20338207	At3g54860	7	227	5	6	28
chr3	20340289	20340363	At3g54860	3	74	2	3	10
chr3	20347247	20347356	At3g54870	4	109	2	4	19
chr3	20357156	20357262	At3g54920	4	106	7	4	14
chr3	20360039	20360107	-	3	68	0	2	14
chr3	20381838	20381943	At3g54980	4	105	1	3	26
chr3	20395108	20395181	At3g55005	3	73	5	3	12
chr3	20398678	20398747	At3g55010	3	69	2	4	14
chr3	20402444	20402551	At3g55020	4	107	1	2	9
chr3	20404510	20404581	At3g55020	3	71	2	8	6
chr3	20405788	20405863	At3g55020	3	75	3	2	23

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	20408250	20408364	At3g55030	4	114	2	2	12
chr3	20410030	20410105	At3g55040	3	75	1	2	10
chr3	20411830	20411942	At3g55050	4	112	1	4	12
chr3	20416115	20416257	At3g55060	5	142	4	8	12
chr3	20422170	20422322	-	5	152	2	7	12
chr3	20425660	20425731	At3g55080	3	71	1	1	8
chr3	20445285	20445364	At3g55130	3	79	3	5	10
chr3	20446417	20446484	At3g55130	3	67	6	1	11
chr3	20447555	20447701	-	5	146	2	4	17
chr3	20452894	20452965	At3g55150	3	71	3	3	2
chr3	20458463	20458536	At3g55160	3	73	0	3	10
chr3	20460509	20460657	At3g55160	5	148	3	9	9
chr3	20461252	20461318	At3g55160	3	66	1	2	18
chr3	20483356	20483428	At3g55230	3	72	3	2	20
chr3	20495764	20495809	-	2	45	1	0	4
chr3	20503942	20504019	At3g55260	3	77	2	1	6
chr3	20512369	20512475	At3g55280	4	106	3	4	25
chr3	20514795	20514862	-	3	67	1	4	8
chr3	20531075	20531146	At3g55350	3	71	3	8	16
chr3	20532570	20532638	At3g55360	3	68	2	2	13
chr3	20539329	20539402	At3g55370	3	73	0	1	11
chr3	20541142	20541218	-	3	76	2	1	4
chr3	20543042	20543119	At3g55380	3	77	4	6	8
chr3	20543443	20543551	At3g55380	4	108	2	4	21
chr3	20566367	20566482	At3g55440	4	115	2	4	18
chr3	20566910	20566980	At3g55440	3	70	1	0	12
chr3	20571008	20571148	At3g55450	5	140	2	1	22
chr3	20583282	20583351	-	2	69	0	2	5
chr3	20586125	20586299	At3g55500	6	174	7	11	15
chr3	20587733	20587806	-	3	73	2	1	9
chr3	20593497	20593568	-	3	71	2	2	8
chr3	20599468	20599539	-	3	71	1	3	12
chr3	20603217	20603286	-	3	69	4	4	12
chr3	20622292	20622333	-	2	41	3	2	7
chr3	20623768	20623876	At3g55580	4	108	4	7	22
chr3	20638324	20638365	At3g55610	2	41	0	1	5
chr3	20644317	20644383	-	3	66	2	2	7
chr3	20649320	20649389	At3g55630	3	69	2	1	16
chr3	20650258	20650323	At3g55630	3	65	2	3	16
chr3	20652626	20652737	At3g55640	4	111	1	5	10
chr3	20653101	20653175	At3g55640	3	74	1	4	13
chr3	20653641	20653717	-	3	76	2	1	19
chr3	20658420	20658492	At3g25960	3	72	3	5	8
chr3	20677684	20677819	-	4	135	3	3	14
chr3	20678124	20678233	At3g55690	4	109	11	8	7
chr3	20681373	20681475	-	4	102	0	3	16
chr3	20688635	20688700	-	3	65	2	4	12
chr3	20709884	20710000	-	4	116	2	1	15
chr3	20720432	20720537	At3g55800	4	105	3	6	8
chr3	20753686	20753757	-	3	71	1	2	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	20758680	20758747	-	3	67	1	2	8
chr3	20774369	20774435	-	3	66	4	2	11
chr3	20783338	20783418	-	3	80	3	3	7
chr3	20800573	20800644	At3g56010	3	71	2	2	16
chr3	20810653	20810725	At3g56050	3	72	1	4	19
chr3	20827246	20827310	-	3	64	0	1	12
chr3	20828163	20828342	At3g56100	6	179	3	7	18
chr3	20828603	20828759	At3g56100	5	156	1	3	21
chr3	20831477	20831617	-	5	140	1	4	17
chr3	20833178	20833255	At3g56110	3	77	1	6	10
chr3	20847347	20847530	At3g56150	6	183	2	4	19
chr3	20861279	20861526	At3g56200	8	247	7	12	33
chr3	20862710	20862894	At3g56200	6	184	2	7	20
chr3	20865090	20865163	At3g56210	3	73	1	2	13
chr3	20879568	20879674	At3g56260	4	106	2	4	27
chr3	20889327	20889405	-	3	78	2	2	13
chr3	20889696	20889800	At3g56290	4	104	0	2	21
chr3	20896691	20896800	At3g56310	4	109	2	5	15
chr3	20897508	20897661	At3g56320	5	153	4	9	17
chr3	20903786	20903864	At3g56340	3	78	2	1	14
chr3	20908266	20908371	At3g56360	4	105	2	4	22
chr3	20908481	20908555	At3g56360	3	74	0	0	20
chr3	20918483	20918698	At3g56390	7	215	9	16	25
chr3	20922140	20922207	-	3	67	3	2	12
chr3	20931102	20931172	At3g56410	3	70	3	5	11
chr3	20935048	20935126	At3g56430	3	78	2	4	6
chr3	20936189	20936253	At3g56430	3	64	4	2	7
chr3	20944472	20944608	At3g56460	5	136	1	7	13
chr3	20945077	20945258	At3g56460	6	181	15	14	15
chr3	20948231	20948303	At3g56480	3	72	1	6	9
chr3	20954204	20954275	At3g56490	3	71	1	2	12
chr3	20956436	20956572	At3g56510	5	136	2	4	13
chr3	20956781	20956994	At3g56510	7	213	7	10	16
chr3	20962837	20962973	At3g56540	4	136	1	8	19
chr3	20969531	20969611	-	3	80	6	4	3
chr3	20971410	20971732	At3g56570	10	322	8	14	33
chr3	20993664	20993735	At3g56640	3	71	1	5	16
chr3	20996265	20996446	At3g56650	6	181	5	8	25
chr3	21003953	21004030	At3g56680	3	77	2	3	11
chr3	21005531	21005601	At3g56690	3	70	2	7	12
chr3	21025602	21025749	At3g56730	5	147	5	3	23
chr3	21027365	21027506	At3g56740	5	141	3	4	18
chr3	21028278	21028389	At3g56740	4	111	2	3	12
chr3	21029265	21029410	At3g56740	5	145	3	2	17
chr3	21030968	21031040	At3g56750	3	72	4	1	10
chr3	21059769	21059879	-	4	110	0	2	12
chr3	21061548	21061695	At3g56860	5	147	0	5	17
chr3	21064582	21064802	At3g56870	7	220	2	11	27
chr3	21072744	21072821	-	3	77	1	1	14
chr3	21076025	21076124	-	4	99	5	2	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	21076247	21076381	-	4	134	4	2	12
chr3	21093614	21093663	At3g56960	2	49	1	0	8
chr3	21096436	21096506	-	3	70	4	1	13
chr3	21097612	21097718	At3g56980	4	106	1	2	10
chr3	21101951	21102059	At3g56990	4	108	3	2	14
chr3	21104972	21105046	At3g57000	3	74	1	5	9
chr3	21113407	21113593	At3g57030	6	186	6	10	16
chr3	21113922	21113998	At3g57030	3	76	5	5	5
chr3	21118492	21118603	-	4	111	4	1	7
chr3	21125294	21125365	At3g57050	3	71	2	5	11
chr3	21129610	21129753	At3g57060	5	143	1	5	17
chr3	21130772	21130848	At3g57060	3	76	2	5	12
chr3	21132237	21132306	-	3	69	7	4	8
chr3	21151135	21151269	At3g57120	5	134	10	8	29
chr3	21169107	21169180	At3g57160	3	73	1	0	11
chr3	21179136	21179274	At3g57190	5	138	1	1	21
chr3	21185422	21185706	-	9	284	12	19	29
chr3	21187424	21187499	At3g57220	3	75	2	2	4
chr3	21188278	21188509	-	7	231	4	3	13
chr3	21190464	21190508	At3g57230	2	44	1	3	5
chr3	21205259	21205304	At3g57280	2	45	0	0	12
chr3	21212724	21212765	At3g57300	2	41	1	3	4
chr3	21225436	21225502	At3g57330	3	66	2	4	7
chr3	21233121	21233232	At3g57350	4	111	4	4	15
chr3	21236324	21236409	-	3	85	2	4	8
chr3	21246023	21246095	At3g57390	3	72	1	1	13
chr3	21246783	21246828	At3g57390	2	45	0	2	7
chr3	21261479	21261665	At3g57410	6	186	4	5	18
chr3	21263578	21263650	At3g57420	3	72	4	2	7
chr3	21267688	21267759	At3g57430	3	71	3	4	10
chr3	21269113	21269184	At3g57430	3	71	5	6	5
chr3	21271014	21271130	At3g57440	4	116	0	4	25
chr3	21274493	21274571	At3g57460	3	78	2	6	9
chr3	21274799	21274944	At3g57460	5	145	2	7	20
chr3	21309984	21310096	At3g57530	4	112	5	7	4
chr3	21315927	21316030	-	4	103	3	1	14
chr3	21319839	21319908	At3g57550	3	69	0	2	18
chr3	21327334	21327442	At3g57570	4	108	0	5	15
chr3	21339188	21339229	At3g43625	2	41	1	0	3
chr3	21341451	21341521	At3g57590	3	70	2	6	6
chr3	21345960	21346069	At3g57610	4	109	3	6	17
chr3	21349967	21350149	At3g57620	6	182	4	9	23
chr3	21358502	21358612	-	4	110	2	1	9
chr3	21359342	21359411	-	3	69	1	5	11
chr3	21373415	21373556	At3g57660	5	141	2	5	18
chr3	21375459	21375618	-	5	159	4	3	27
chr3	21388502	21388598	-	3	96	1	2	6
chr3	21388730	21388801	-	3	71	4	1	12
chr3	21388990	21389065	-	3	75	0	1	7
chr3	21396588	21396727	At3g57700	5	139	2	8	20

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	21397236	21397342	At3g57710	4	106	0	4	13
chr3	21397673	21397742	At3g57710	3	69	3	3	13
chr3	21399634	21399702	At3g57720	3	68	1	1	21
chr3	21411174	21411225	At3g57780	2	51	1	3	7
chr3	21412518	21412621	At3g57780	4	103	3	5	10
chr3	21416780	21416891	At3g57790	4	111	4	0	18
chr3	21418633	21418710	-	3	77	1	2	8
chr3	21422182	21422258	At3g57800	3	76	9	8	8
chr3	21423669	21423780	-	4	111	2	2	18
chr3	21429369	21429585	At3g57820	7	216	1	5	25
chr3	21431302	21431410	At3g57830	4	108	10	11	6
chr3	21439630	21439675	At3g57860	2	45	1	3	3
chr3	21440971	21441047	At3g57870	3	76	3	1	4
chr3	21441253	21441318	-	3	65	6	5	5
chr3	21441426	21441500	-	3	74	5	1	9
chr3	21441814	21441924	-	4	110	0	4	12
chr3	21450078	21450123	At3g57890	2	45	1	4	3
chr3	21452544	21452695	At3g57890	5	151	4	6	17
chr3	21453779	21453857	At3g57910	3	78	0	4	18
chr3	21454070	21454254	At3g57910	6	184	4	5	30
chr3	21458154	21458232	At3g57930	2	78	1	2	2
chr3	21480708	21480848	-	5	140	6	7	16
chr3	21484239	21484389	-	5	150	3	2	26
chr3	21488711	21488854	-	5	143	1	1	13
chr3	21490908	21490979	At3g58020	3	71	0	2	16
chr3	21504005	21504115	At3g58050	4	110	5	4	18
chr3	21506839	21506953	At3g58050	4	114	1	2	20
chr3	21516194	21516330	-	5	136	4	9	16
chr3	21518376	21518499	At3g58070	4	123	4	5	14
chr3	21541802	21541989	At3g58140	6	187	6	9	16
chr3	21550684	21550757	At3g58160	3	73	2	1	13
chr3	21554191	21554261	At3g58170	3	70	1	3	10
chr3	21567077	21567151	-	3	74	1	2	8
chr3	21574285	21574356	At3g58210	3	71	0	1	10
chr3	21576090	21576305	At3g58220	7	215	1	2	30
chr3	21579128	21579241	-	4	113	4	3	11
chr3	21591719	21591787	At3g58290	3	68	1	1	12
chr3	21593827	21593902	At3g58300	3	75	4	3	8
chr3	21599501	21599577	-	3	76	1	2	10
chr3	21602725	21602834	At3g58350	4	109	1	7	5
chr3	21611563	21611635	At3g58390	3	72	3	3	8
chr3	21614428	21614502	At3g58400	3	74	0	0	7
chr3	21617609	21617754	-	5	145	3	3	22
chr3	21629060	21629137	-	3	77	2	5	8
chr3	21637840	21637942	At3g58470	4	102	3	2	24
chr3	21641916	21641986	At3g58480	3	70	1	3	17
chr3	21651637	21651744	At3g58510	4	107	3	8	13
chr3	21656511	21656622	-	4	111	8	4	13
chr3	21668194	21668300	At3g58570	4	106	6	4	25
chr3	21668407	21668476	At3g58570	3	69	2	4	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	21691875	21691952	At3g58620	3	77	6	8	8
chr3	21694908	21694981	At3g58630	3	73	1	4	8
chr3	21702263	21702403	At3g58640	5	140	4	2	18
chr3	21709512	21709579	At3g58650	3	67	5	6	5
chr3	21713143	21713283	At3g58660	5	140	3	2	30
chr3	21723222	21723331	At3g58700	4	109	2	1	18
chr3	21730001	21730072	At3g58730	3	71	4	2	6
chr3	21738512	21738585	At3g58750	3	73	2	5	11
chr3	21742269	21742403	At3g58760	5	134	2	5	15
chr3	21750381	21750449	At3g58780	3	68	0	0	14
chr3	21753682	21753756	At3g58790	3	74	2	5	9
chr3	21761617	21761724	At3g58810	4	107	2	3	13
chr3	21764693	21764805	At3g58820	4	112	4	4	14
chr3	21770794	21770937	At3g58850	5	143	6	9	32
chr3	21780525	21780636	At3g58880	4	111	1	5	17
chr3	21795288	21795434	At3g58950	5	146	6	4	14
chr3	21796303	21796483	At3g58950	6	180	8	5	17
chr3	21806893	21806968	At3g58980	3	75	1	2	13
chr3	21808767	21808839	At3g58990	3	72	12	8	5
chr3	21825823	21825934	At3g59020	4	111	2	2	11
chr3	21830089	21830165	At3g59030	3	76	6	6	5
chr3	21837695	21837770	At3g59050	3	75	2	3	13
chr3	21840190	21840404	At3g59060	7	214	12	9	28
chr3	21841339	21841471	At3g59060	5	132	3	7	34
chr3	21847908	21847978	At3g59080	3	70	2	6	8
chr3	21852275	21852342	At3g59090	3	67	2	3	11
chr3	21863990	21864060	At3g59100	3	70	3	7	8
chr3	21869127	21869199	At3g59110	3	72	1	1	9
chr3	21876788	21876928	At3g59140	5	140	6	10	9
chr3	21879192	21879263	At3g59140	3	71	0	5	6
chr3	21888771	21888840	-	3	69	1	1	8
chr3	21892951	21893060	At3g59180	4	109	2	5	17
chr3	21906657	21906905	-	8	248	1	4	26
chr3	21910680	21910785	At3g59240	4	105	2	5	15
chr3	21912578	21912725	At3g59250	5	147	2	2	20
chr3	21913881	21913956	At3g59250	3	75	2	2	6
chr3	21916995	21917117	-	4	122	2	3	19
chr3	21923446	21923521	At3g59290	3	75	1	1	13
chr3	21928003	21928257	At3g59290	8	254	1	5	43
chr3	21933831	21934019	At3g59310	6	188	5	6	22
chr3	21936809	21936875	At3g59320	3	66	0	1	14
chr3	21950923	21950996	At3g59360	3	73	3	5	4
chr3	21981416	21981494	At3g59440	3	78	2	0	11
chr3	21982631	21982702	-	3	71	5	5	12
chr3	21984357	21984427	At3g59450	3	70	2	4	13
chr3	21990980	21991117	At3g59470	5	137	1	6	13
chr3	21994817	21994890	At3g59480	3	73	1	6	15
chr3	22000508	22000580	At3g59510	3	72	2	3	21
chr3	22002598	22002668	-	3	70	1	2	9
chr3	22021643	22021696	At3g59580	2	53	0	1	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	22027929	22028037	At3g59600	4	108	3	4	19
chr3	22028823	22028896	At3g59600	3	73	1	3	17
chr3	22029518	22029589	-	3	71	1	1	11
chr3	22041049	22041156	At3g59640	4	107	1	2	22
chr3	22051262	22051334	-	3	72	0	1	15
chr3	22065922	22065991	At3g59710	3	69	2	1	9
chr3	22082605	22082678	At3g59750	3	73	2	2	18
chr3	22085235	22085346	At3g59760	4	111	1	7	9
chr3	22089143	22089219	-	3	76	3	4	8
chr3	22093394	22093466	At3g59770	3	72	1	6	8
chr3	22096769	22096841	At3g59770	3	72	1	2	7
chr3	22099424	22099572	At3g59780	5	148	0	5	18
chr3	22104870	22104944	At3g59790	3	74	4	2	6
chr3	22119631	22119696	-	3	65	2	3	9
chr3	22121320	22121534	At3g59850	7	214	12	13	25
chr3	22128817	22128890	At3g59870	3	73	5	4	18
chr3	22142705	22142888	At3g59910	6	183	4	12	21
chr3	22147784	22147862	At3g59920	3	78	1	2	18
chr3	22150117	22150186	-	3	69	3	3	9
chr3	22154798	22155049	At3g59940	8	251	20	19	27
chr3	22158996	22159065	-	3	69	1	1	11
chr3	22159730	22159842	At3g59960	4	112	2	4	18
chr3	22159949	22160081	At3g59960	5	132	1	4	28
chr3	22182457	22182529	-	3	72	1	0	6
chr3	22188559	22188740	At3g60040	6	181	5	7	30
chr3	22194456	22194523	At3g60070	3	67	1	3	7
chr3	22195537	22195611	At3g60070	3	74	1	2	13
chr3	22208577	22208717	-	5	140	7	6	14
chr3	22211418	22211494	At3g60110	3	76	2	6	11
chr3	22211900	22212048	At3g60110	5	148	7	3	26
chr3	22213591	22213703	-	4	112	2	2	14
chr3	22216171	22216243	-	3	72	0	0	7
chr3	22224429	22224498	At3g60130	3	69	5	6	18
chr3	22229594	22229663	At3g60140	3	69	2	1	11
chr3	22232211	22232322	-	4	111	1	7	9
chr3	22263265	22263367	At3g60210	4	102	1	5	14
chr3	22273085	22273261	At3g60230	6	176	6	8	20
chr3	22274114	22274260	At3g60240	5	146	4	5	18
chr3	22276211	22276315	At3g60240	4	104	1	10	19
chr3	22290718	22290795	At3g60280	3	77	4	3	14
chr3	22293876	22293948	At3g60290	3	72	1	3	14
chr3	22301308	22301417	At3g60310	4	109	4	2	19
chr3	22314594	22314663	-	3	69	1	1	12
chr3	22316602	22316656	At3g60340	2	54	2	1	5
chr3	22321940	22322047	At3g60350	4	107	2	4	18
chr3	22327446	22327515	At3g60370	3	69	2	2	19
chr3	22336260	22336328	-	3	68	4	1	17
chr3	22350036	22350280	At3g60440	8	244	5	12	36
chr3	22352091	22352161	At3g60450	3	70	6	7	7
chr3	22355099	22355274	-	6	175	4	2	20

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	22355367	22355485	-	4	118	3	0	9
chr3	22360920	22360997	At3g60490	3	77	5	6	11
chr3	22366901	22366974	At3g60500	3	73	1	2	17
chr3	22368008	22368077	At3g60510	3	69	1	6	9
chr3	22370667	22370893	At3g60510	7	226	8	7	30
chr3	22377202	22377252	-	2	50	1	1	2
chr3	22381878	22382022	-	5	144	2	7	10
chr3	22390963	22391040	At3g60550	3	77	7	10	8
chr3	22422418	22422559	At3g60630	5	141	9	7	27
chr3	22423105	22423282	At3g60630	6	177	7	10	29
chr3	22441665	22441735	At3g60680	3	70	3	3	13
chr3	22445718	22445788	-	3	70	1	1	11
chr3	22447971	22448083	-	4	112	3	2	22
chr3	22450859	22450924	-	2	65	1	1	3
chr3	22453495	22453565	At3g60720	3	70	6	4	12
chr3	22456071	22456143	At3g60730	3	72	1	1	20
chr3	22478524	22478631	At3g60800	4	107	3	4	12
chr3	22481703	22481769	At3g60810	3	66	1	3	10
chr3	22484653	22484761	At3g60820	4	108	8	3	12
chr3	22500572	22500753	At3g60860	6	181	1	9	19
chr3	22510257	22510305	-	2	48	4	0	4
chr3	22511224	22511326	At3g60900	4	102	9	9	17
chr3	22518075	22518148	At3g60920	3	73	1	2	7
chr3	22518297	22518401	At3g60920	4	104	1	5	15
chr3	22518792	22518864	At3g60920	3	72	2	5	8
chr3	22532674	22532845	At3g60940	6	171	9	7	27
chr3	22540836	22540905	At3g60955	3	69	5	1	6
chr3	22541652	22541800	At3g60955	5	148	0	4	10
chr3	22557836	22557910	At3g60965	3	74	3	2	15
chr3	22562176	22562246	At3g60965	3	70	3	2	10
chr3	22568503	22568569	At3g60160	3	66	2	5	10
chr3	22576457	22576572	At3g60980	4	115	1	3	12
chr3	22583222	22583333	At3g61010	4	111	5	4	11
chr3	22605238	22605381	At3g61040	5	143	7	8	6
chr3	22618413	22618479	At3g61080	3	66	1	2	13
chr3	22622115	22622223	At3g61100	4	108	2	3	13
chr3	22625379	22625447	-	3	68	0	2	10
chr3	22640928	22641044	At3g61140	4	116	1	2	20
chr3	22643507	22643617	At3g61150	4	110	6	7	17
chr3	22646357	22646428	-	3	71	1	0	17
chr3	22646654	22646768	-	4	114	9	2	15
chr3	22651619	22651692	At3g61170	3	73	1	2	13
chr3	22675044	22675145	At3g61220	4	101	3	6	17
chr3	22676053	22676120	At3g61230	3	67	2	4	12
chr3	22680725	22680873	At3g61240	5	148	1	2	20
chr3	22683214	22683332	At3g61250	4	118	4	4	19
chr3	22685284	22685352	-	3	68	0	0	9
chr3	22686943	22687087	At3g61260	5	144	3	8	11
chr3	22699473	22699644	At3g61300	6	171	13	8	13
chr3	22719844	22719954	At3g61370	4	110	1	5	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	22750418	22750529	At3g61450	4	111	1	5	13
chr3	22766077	22766149	At3g61480	3	72	3	3	9
chr3	22774193	22774267	-	3	74	1	1	8
chr3	22779678	22779751	-	3	73	6	2	8
chr3	22784589	22784657	At3g61530	3	68	4	6	10
chr3	22787665	22787806	At3g61550	5	141	8	6	15
chr3	22792051	22792131	At3g61570	3	80	2	8	3
chr3	22797702	22797810	At3g61580	4	108	6	7	12
chr3	22798412	22798488	At3g61580	3	76	3	4	14
chr3	22811261	22811326	At3g61610	3	65	1	3	7
chr3	22819614	22819687	-	3	73	4	2	17
chr3	22829274	22829522	-	8	248	8	11	30
chr3	22830976	22831119	At3g61670	5	143	3	7	16
chr3	22836260	22836334	At3g61680	3	74	1	0	20
chr3	22840255	22840359	At3g61690	4	104	1	3	15
chr3	22847298	22847373	-	3	75	0	2	10
chr3	22848058	22848129	At3g61700	3	71	1	0	12
chr3	22849111	22849252	-	5	141	3	10	21
chr3	22854360	22854437	At3g61720	3	77	6	3	10
chr3	22856523	22856627	-	4	104	2	2	17
chr3	22860785	22860856	At3g61730	3	71	3	2	10
chr3	22864559	22864631	At3g61740	3	72	1	4	5
chr3	22871971	22872082	At3g61760	4	111	4	8	7
chr3	22878580	22878656	-	3	76	2	0	15
chr3	22879934	22880002	At3g61780	3	68	1	4	9
chr3	22880226	22880369	At3g61780	5	143	2	6	11
chr3	22900404	22900540	At3g61830	5	136	2	4	26
chr3	22932751	22932886	-	5	135	1	2	16
chr3	22971887	22971958	At3g62000	3	71	4	2	18
chr3	22975884	22975980	At3g62010	4	96	6	6	22
chr3	22978913	22978977	At3g62010	3	64	1	7	14
chr3	22994544	22994622	At3g62070	3	78	4	0	4
chr3	22995128	22995266	At3g62070	5	138	10	6	10
chr3	23004511	23004560	-	2	49	0	0	16
chr3	23013071	23013218	At3g62120	5	147	1	3	22
chr3	23032654	23032765	At3g62190	4	111	0	4	17
chr3	23038761	23038811	At3g62210	2	50	2	4	11
chr3	23040534	23040602	At3g62220	3	68	1	1	13
chr3	23041653	23041829	At3g62220	6	176	3	8	14
chr3	23042116	23042192	At3g62220	3	76	1	3	20
chr3	23046723	23046824	At3g62240	4	101	1	5	13
chr3	23059960	23060207	-	8	247	4	3	35
chr3	23071283	23071359	At3g62310	3	76	3	6	6
chr3	23076686	23076874	-	6	188	7	7	15
chr3	23077131	23077206	-	3	75	1	2	12
chr3	23080310	23080495	-	6	185	3	0	19
chr3	23092561	23092667	At3g62370	4	106	1	4	19
chr3	23094978	23095083	At3g62380	4	105	6	2	14
chr3	23100294	23100369	-	3	75	4	3	15
chr3	23105289	23105390	At3g62430	4	101	2	5	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	23107088	23107154	At3g62440	3	66	3	4	9
chr3	23110814	23110922	-	4	108	3	2	13
chr3	23139209	23139318	-	4	109	2	6	17
chr3	23146181	23146255	At3g62470	3	74	2	2	15
chr3	23163586	23163654	At3g62600	3	68	2	1	4
chr3	23178327	23178390	-	3	63	1	2	11
chr3	23192365	23192515	-	5	150	1	3	24
chr3	23201401	23201472	At3g62700	3	71	2	6	8
chr3	23206802	23206853	-	2	51	0	0	8
chr3	23210416	23210523	At3g62710	4	107	5	2	9
chr3	23214161	23214276	-	4	115	2	1	19
chr3	23220135	23220206	At3g62730	3	71	5	1	14
chr3	23231364	23231583	At3g62770	7	219	8	14	23
chr3	23237057	23237126	At3g62800	3	69	2	1	8
chr3	23238287	23238361	At3g62800	3	74	4	3	8
chr3	23247043	23247084	At3g62840	2	41	0	3	5
chr3	23248022	23248116	-	3	94	0	2	12
chr3	23250866	23250942	At3g62860	3	76	3	3	16
chr3	23260413	23260559	At3g62900	5	146	2	4	16
chr3	23264753	23264858	At3g62900	4	105	0	3	22
chr3	23269056	23269208	At3g62910	5	152	0	1	25
chr3	23270621	23270726	At3g62910	4	105	2	5	9
chr3	23281034	23281104	-	3	70	1	1	13
chr3	23281396	23281472	-	3	76	2	2	6
chr3	23285632	23285857	At3g62980	7	225	2	8	29
chr3	23294899	23295046	At3g63000	5	147	4	5	10
chr3	23306148	23306257	-	4	109	3	7	13
chr3	23306424	23306563	At3g63030	5	139	5	5	17
chr3	23307458	23307531	At3g63030	3	73	1	2	8
chr3	23309613	23309717	-	4	104	3	3	17
chr3	23340015	23340084	At3g63150	3	69	3	3	9
chr3	23340314	23340417	At3g63150	4	103	2	4	18
chr3	23345760	23346058	At3g63170	9	298	22	21	22
chr3	23349297	23349370	At3g63180	3	73	2	7	15
chr3	23386547	23386769	-	7	222	2	5	23
chr3	23393551	23393693	At3g63290	5	142	4	10	15
chr3	23395421	23395492	-	3	71	1	2	4
chr3	23398042	23398189	At3g63300	5	147	2	6	22
chr3	23407690	23407760	At3g63340	3	70	1	3	13
chr3	23412236	23412381	At3g63360	5	145	5	10	21
chr3	23418025	23418099	At3g63380	3	74	1	5	12
chr3	23423570	23423713	At3g63400	5	143	1	6	15
chr3	23427752	23427822	At3g63410	3	70	4	7	10
chr3	23428278	23428347	-	3	69	6	5	11
chr3	23432088	23432157	At3g63430	3	69	4	2	11
chr3	23432599	23432747	At3g63430	5	148	6	8	13
chr3	23436604	23436673	At3g63440	3	69	5	4	12
chr3	23436996	23437067	At3g63440	3	71	3	8	16
chr3	23439084	23439157	At3g63450	3	73	3	4	9
chr3	23442873	23442977	At3g63460	4	104	0	8	25

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr3	23443273	23443347	At3g63460	3	74	1	2	6
chr3	23445157	23445264	At3g63460	4	107	4	10	11
chr3	23449368	23449447	-	3	79	2	1	10
chr3	23450887	23450962	At3g63470	3	75	6	9	9
chr3	23464580	23464653	At3g63520	3	73	3	5	11
chr3	23464923	23465032	At3g63520	4	109	2	4	14
chr3	23466873	23466945	-	3	72	0	5	8
chr3	23467659	23467726	At3g63530	3	67	0	4	7
chr4	15635	15744	At4g00040	4	109	4	9	23
chr4	20477	20535	-	2	58	3	0	1
chr4	24678	24781	At4g00060	4	103	1	6	17
chr4	25284	25360	At4g00060	3	76	2	6	7
chr4	34268	34341	At4g00090	3	73	7	7	9
chr4	35660	35770	At4g00090	4	110	2	1	15
chr4	41053	41165	-	4	112	1	4	7
chr4	44897	45007	-	4	110	2	0	21
chr4	63365	63439	-	3	74	1	3	10
chr4	74405	74484	At4g00180	3	79	2	3	5
chr4	79534	79577	-	2	43	1	2	6
chr4	97989	98060	At4g00231	3	71	2	3	15
chr4	102534	102612	At4g00236	3	78	2	5	10
chr4	114985	115086	At4g00260	4	101	2	4	12
chr4	126684	126790	At4g00300	4	106	7	7	9
chr4	128725	128830	At4g00300	4	105	13	7	3
chr4	137996	138105	-	4	109	0	2	24
chr4	151368	151440	At4g00340	3	72	4	7	10
chr4	156836	156899	-	3	63	2	2	5
chr4	165718	165864	At4g00370	5	146	2	4	17
chr4	177973	178121	-	5	148	2	6	17
chr4	180409	180482	-	3	73	1	4	8
chr4	199714	199826	-	4	112	1	0	19
chr4	204229	204334	At4g00450	4	105	2	6	13
chr4	211840	211984	At4g00460	5	144	0	7	13
chr4	223494	223535	At4g00490	2	41	0	1	9
chr4	231241	231313	At4g00520	3	72	4	5	16
chr4	244675	244746	At4g00570	3	71	1	6	4
chr4	245592	245661	At4g00570	3	69	2	5	9
chr4	251237	251308	At4g00585	3	71	1	3	13
chr4	252858	252932	At4g00590	3	74	7	6	10
chr4	255772	255844	At4g00600	3	72	1	4	10
chr4	265581	265655	At4g00630	3	74	3	4	8
chr4	271172	271277	At4g00650	4	105	1	6	13
chr4	274351	274424	At4g00660	3	73	5	4	4
chr4	283850	283918	-	3	68	3	3	5
chr4	288130	288206	At4g00700	3	76	5	4	10
chr4	289548	289742	-	6	194	5	6	11
chr4	291835	291944	At4g00710	4	109	2	5	12
chr4	296561	296635	At4g00720	3	74	2	3	5
chr4	299039	299111	-	3	72	2	6	4
chr4	306257	306325	-	3	68	3	3	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	307321	307435	-	4	114	1	4	8
chr4	319022	319094	At4g00752	3	72	1	5	13
chr4	319297	319402	At4g00752	4	105	1	2	19
chr4	327936	327977	At4g00760	2	41	2	2	6
chr4	330518	330590	-	3	72	1	5	7
chr4	342066	342110	-	2	44	1	2	5
chr4	345200	345273	At4g00800	3	73	1	4	13
chr4	384844	384913	At4g00900	3	69	1	6	7
chr4	385346	385454	At4g00900	4	108	2	2	9
chr4	388422	388531	At4g00905	4	109	3	5	11
chr4	393041	393111	-	3	70	1	2	10
chr4	393810	393883	At4g00920	3	73	4	2	12
chr4	394063	394116	At4g00920	2	53	0	1	8
chr4	398697	398868	At4g00930	6	171	3	11	27
chr4	406683	406755	At4g00950	3	72	0	2	10
chr4	407190	407232	-	2	42	1	1	6
chr4	409003	409068	-	3	65	0	4	6
chr4	418718	418784	At4g00970	3	66	6	5	11
chr4	420133	420237	At4g00970	4	104	3	4	13
chr4	423014	423120	At4g00980	4	106	2	7	11
chr4	423600	423712	At4g00980	4	112	4	6	10
chr4	429269	429413	At4g00990	5	144	1	9	21
chr4	449563	449672	At4g01030	4	109	2	2	12
chr4	454102	454172	At4g01040	3	70	0	3	20
chr4	461797	461866	At4g01070	3	69	1	2	7
chr4	462351	462423	At4g01070	3	72	3	1	12
chr4	467230	467307	At4g01080	3	77	5	6	14
chr4	467712	467788	At4g01080	3	76	1	5	12
chr4	476408	476513	-	4	105	0	2	19
chr4	481514	481555	-	2	41	2	3	4
chr4	487283	487358	At4g01130	3	75	2	1	10
chr4	495207	495355	At4g01160	5	148	3	5	17
chr4	499919	499993	At4g01170	3	74	1	3	16
chr4	551757	551871	At4g01330	4	114	5	1	20
chr4	554086	554156	-	3	70	0	0	16
chr4	556428	556510	At4g01340	3	82	2	3	14
chr4	562629	562675	-	2	46	1	2	2
chr4	568014	568055	At4g01370	2	41	0	3	9
chr4	573605	573818	At4g01400	7	213	7	9	26
chr4	577438	577513	-	3	75	0	2	14
chr4	598416	598542	At4g01440	4	126	1	0	20
chr4	609937	610119	At4g01450	6	182	6	6	23
chr4	621874	622014	At4g01460	5	140	6	3	19
chr4	622586	622654	At4g01460	3	68	4	7	13
chr4	626110	626326	-	7	216	7	4	24
chr4	626993	627096	At4g01480	4	103	2	3	15
chr4	647129	647195	-	3	66	2	2	7
chr4	668634	668707	-	3	73	0	3	6
chr4	686125	686262	At4g01580	5	137	6	8	20
chr4	689011	689112	At4g01590	4	101	0	3	18

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	699271	699340	-	3	69	0	3	10
chr4	705118	705228	At4g01650	4	110	0	3	9
chr4	708323	708611	-	9	288	12	9	25
chr4	739191	739267	-	3	76	1	0	9
chr4	740678	740777	-	4	99	2	3	11
chr4	751787	751930	At4g01730	5	143	3	9	13
chr4	755206	755392	At4g01740	6	186	4	9	25
chr4	756711	756752	At4g01750	2	41	3	3	4
chr4	759660	759726	At4g01760	3	66	1	0	14
chr4	764514	764645	-	5	131	1	5	8
chr4	776488	776560	At4g01810	3	72	3	3	7
chr4	782771	782876	At4g01820	4	105	5	5	16
chr4	786775	786850	At4g01830	3	75	4	6	6
chr4	804085	804228	At4g01860	5	143	3	6	17
chr4	804383	804451	At4g01860	3	68	0	2	11
chr4	804890	804956	At4g01860	3	66	0	0	7
chr4	806710	806780	At4g01860	3	70	1	2	5
chr4	808527	808597	At4g01870	3	70	1	4	6
chr4	812788	812857	At4g01880	3	69	4	2	5
chr4	821281	821322	At4g01897	2	41	1	0	8
chr4	842790	842891	At4g01940	4	101	1	4	13
chr4	851551	851623	At4g01960	3	72	2	3	14
chr4	860145	860215	At4g01975	3	70	2	4	7
chr4	875361	875428	At4g02000	3	67	0	3	16
chr4	878607	878686	-	3	79	2	3	6
chr4	882456	882666	At4g02010	7	210	1	4	21
chr4	889817	889896	At4g02020	3	79	1	7	8
chr4	920300	920374	-	3	74	0	0	6
chr4	930522	930727	At4g02100	7	205	13	13	9
chr4	939732	939773	At4g02110	2	41	1	2	4
chr4	943366	943512	At4g02120	5	146	3	5	19
chr4	943867	943969	At4g02120	4	102	0	2	17
chr4	946400	946470	At4g02130	3	70	3	6	5
chr4	949438	949506	-	3	68	0	1	10
chr4	958426	958501	At4g02170	3	75	5	4	8
chr4	963001	963206	At4g02180	7	205	3	3	38
chr4	971228	971302	At4g02195	3	74	1	3	10
chr4	972408	972519	-	4	111	8	4	21
chr4	973258	973375	At4g02200	4	117	1	1	23
chr4	974163	974272	At4g02200	4	109	2	3	12
chr4	975114	975220	At4g02210	4	106	4	8	10
chr4	976858	976929	At4g02220	3	71	2	1	18
chr4	981891	981962	At4g11250	3	71	2	4	8
chr4	985227	985334	-	4	107	5	3	4
chr4	1007672	1007740	-	3	68	0	1	13
chr4	1011227	1011301	At4g02300	3	74	1	1	3
chr4	1012743	1012850	At4g02300	3	107	6	4	19
chr4	1022501	1022577	-	3	76	2	0	14
chr4	1046529	1046666	At4g02380	5	137	8	10	9
chr4	1052792	1052845	At4g02390	2	53	1	2	5

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	1054747	1054898	At4g02400	5	151	3	4	26
chr4	1055263	1055452	At4g02400	6	189	1	4	34
chr4	1055591	1055662	At4g02400	3	71	4	4	10
chr4	1059438	1059512	At4g02405	3	74	8	5	8
chr4	1065577	1065687	At4g02420	4	110	4	6	8
chr4	1066280	1066348	At4g02420	3	68	1	1	24
chr4	1072299	1072372	-	3	73	4	4	7
chr4	1073417	1073525	At4g02440	4	108	4	2	24
chr4	1075400	1075541	At4g02450	4	141	0	6	9
chr4	1081308	1081456	At4g02465	5	148	4	6	20
chr4	1087971	1088043	At4g02480	3	72	2	4	11
chr4	1107336	1107402	At4g02510	3	66	1	5	14
chr4	1109084	1109186	At4g02510	4	102	2	5	21
chr4	1116431	1116500	-	3	69	1	1	9
chr4	1122325	1122378	-	2	53	2	1	4
chr4	1128300	1128371	At4g02560	3	71	3	3	12
chr4	1132236	1132344	At4g02570	4	108	3	9	12
chr4	1134514	1134776	At4g02580	8	262	14	11	21
chr4	1137354	1137427	-	3	73	0	1	14
chr4	1145461	1145574	At4g02600	4	113	2	2	18
chr4	1148594	1148670	At4g02610	3	76	0	2	11
chr4	1156921	1157072	At4g02650	5	151	8	10	28
chr4	1159353	1159497	-	5	144	0	2	18
chr4	1172888	1172959	At4g02660	3	71	1	1	6
chr4	1178336	1178410	At4g02670	3	74	0	1	17
chr4	1183585	1183731	At4g02680	5	146	6	7	9
chr4	1195700	1195889	At4g02710	6	189	3	8	16
chr4	1197241	1197398	-	5	157	8	6	8
chr4	1205724	1205796	At4g02720	3	72	6	4	4
chr4	1208158	1208267	At4g02730	4	109	6	4	20
chr4	1212336	1212476	-	5	140	1	2	22
chr4	1217923	1217995	At4g02740	3	72	3	1	4
chr4	1226979	1227115	At4g02760	5	136	2	4	16
chr4	1247538	1247604	At4g02790	3	66	2	3	5
chr4	1264621	1264732	-	4	111	2	4	10
chr4	1265436	1265477	At4g02840	2	41	0	0	11
chr4	1274861	1275108	At4g02880	8	247	4	5	28
chr4	1285143	1285325	At4g02900	6	182	3	8	23
chr4	1296981	1297126	At4g02930	5	145	2	3	20
chr4	1309534	1309604	At4g02940	3	70	1	5	13
chr4	1311832	1311944	At4g02950	4	112	4	8	10
chr4	1332389	1332454	At4g03020	3	65	2	4	6
chr4	1332851	1332959	At4g03020	4	108	3	6	14
chr4	1352871	1352985	At4g03060	4	114	4	7	4
chr4	1361455	1361529	At4g03080	3	74	1	2	10
chr4	1374462	1374533	At4g03100	3	71	4	6	9
chr4	1385697	1385804	At4g03120	4	107	6	7	13
chr4	1391398	1391544	-	5	146	1	0	19
chr4	1391977	1392081	-	4	104	0	0	17
chr4	1393097	1393243	At4g03140	5	146	3	5	22

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	1399590	1399662	At4g03165	3	72	0	2	9
chr4	1400871	1400944	At4g03170	3	73	1	1	16
chr4	1405679	1405782	At4g03190	4	103	4	6	17
chr4	1415262	1415462	-	7	200	1	4	25
chr4	1418585	1418724	At4g03220	5	139	4	6	14
chr4	1432540	1432617	At4g03270	3	77	3	2	9
chr4	1432914	1433039	At4g03270	4	125	0	2	16
chr4	1471959	1472065	At4g07936	4	106	1	3	14
chr4	1473878	1473959	At4g03350	3	81	2	3	6
chr4	1474423	1474486	At4g03350	2	63	2	3	3
chr4	1485612	1485702	At4g03380	3	90	1	3	12
chr4	1489696	1489798	At4g03380	4	102	3	6	12
chr4	1494787	1494910	At4g03390	4	123	1	1	15
chr4	1495378	1495497	At4g07936	4	119	6	7	16
chr4	1500737	1500917	At4g07936	6	180	2	9	17
chr4	1503070	1503138	At4g03410	3	68	0	2	14
chr4	1517086	1517188	At4g07936	4	102	1	6	12
chr4	1518150	1518261	At4g03430	4	111	1	5	7
chr4	1523169	1523243	At4g07936	3	74	1	4	9
chr4	1528053	1528159	At4g07936	4	106	2	3	12
chr4	1536484	1536553	At4g03460	2	69	1	2	11
chr4	1539912	1539994	At4g03460	3	82	0	1	9
chr4	1551776	1551988	At4g03490	7	212	1	8	34
chr4	1553566	1553607	At4g03500	2	41	0	0	10
chr4	1554255	1554326	At4g03500	3	71	2	3	8
chr4	1558835	1558978	At4g03510	5	143	3	2	13
chr4	1608050	1608159	At4g03620	4	109	5	9	16
chr4	1627239	1627308	-	3	69	0	1	15
chr4	1628661	1628734	-	3	73	0	3	10
chr4	1633202	1633268	-	3	66	1	4	11
chr4	1640296	1640337	-	2	41	0	0	9
chr4	1641332	1641479	-	5	147	1	5	15
chr4	1648608	1648753	-	5	145	2	2	18
chr4	1696857	1696976	-	4	119	0	5	18
chr4	1701297	1701412	-	3	115	0	1	13
chr4	1707191	1707268	-	3	77	0	2	13
chr4	1724756	1724818	-	2	62	0	2	7
chr4	1739358	1739402	-	2	44	3	2	5
chr4	1741971	1742044	-	3	73	0	2	13
chr4	1753744	1753828	-	3	84	1	3	16
chr4	1770043	1770116	-	3	73	4	2	15
chr4	1779972	1780045	-	3	73	0	3	23
chr4	1835539	1835627	-	3	88	0	1	14
chr4	1837213	1837288	-	3	75	1	0	14
chr4	1846857	1846931	-	3	74	3	3	8
chr4	1875933	1876021	-	3	88	3	4	16
chr4	1876204	1876277	-	3	73	3	3	15
chr4	1883195	1883307	-	4	112	0	3	9
chr4	1885055	1885096	-	2	41	0	1	4
chr4	1885574	1885641	-	3	67	1	1	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	1905572	1905642	-	3	70	1	4	9
chr4	1908320	1908438	-	4	118	2	2	12
chr4	1916830	1916896	-	2	66	0	0	4
chr4	1919522	1919593	-	3	71	3	2	12
chr4	1925097	1925170	-	3	73	1	5	6
chr4	1940543	1940610	-	3	67	2	3	11
chr4	1975678	1975784	-	4	106	5	6	10
chr4	2035056	2035131	-	3	75	3	6	9
chr4	2057494	2057632	-	5	138	1	1	14
chr4	2059020	2059097	-	3	77	1	0	9
chr4	2065762	2065833	-	3	71	0	4	13
chr4	2074500	2074573	-	3	73	1	1	3
chr4	2082602	2082671	-	3	69	0	4	11
chr4	2099996	2100143	-	5	147	3	6	20
chr4	2105699	2105794	-	4	95	2	2	17
chr4	2111897	2111944	-	2	47	2	1	7
chr4	2181535	2181609	-	3	74	3	2	7
chr4	2188776	2188887	-	4	111	2	3	14
chr4	2212593	2212778	-	6	185	1	7	24
chr4	2220751	2220858	-	4	107	3	7	8
chr4	2221705	2221858	-	5	153	3	3	21
chr4	2223038	2223145	-	4	107	1	2	11
chr4	2227512	2227584	-	3	72	3	4	14
chr4	2228785	2228890	-	4	105	1	6	13
chr4	2230403	2230501	-	4	98	6	9	18
chr4	2234896	2234970	-	3	74	4	2	16
chr4	2261353	2261426	-	3	73	5	5	11
chr4	2262796	2262858	-	3	62	1	1	11
chr4	2270547	2270610	-	3	63	8	5	15
chr4	2305541	2305644	-	4	103	2	8	12
chr4	2306953	2307102	-	5	149	2	6	23
chr4	2327664	2327712	-	2	48	1	0	4
chr4	2334998	2335075	-	3	77	0	0	11
chr4	2336266	2336368	-	4	102	5	4	7
chr4	2338309	2338418	-	4	109	2	1	16
chr4	2350712	2350939	-	7	227	3	7	25
chr4	2351450	2351526	-	3	76	4	3	12
chr4	2358296	2358482	-	6	186	2	3	27
chr4	2383526	2383567	At4g04695	2	41	2	2	4
chr4	2386819	2386926	At4g04700	4	107	0	5	9
chr4	2389658	2389729	At4g04710	3	71	2	2	9
chr4	2394161	2394264	-	4	103	5	2	23
chr4	2397377	2397452	At4g04720	3	75	3	4	8
chr4	2421686	2421911	At4g04750	7	225	1	4	28
chr4	2427438	2427585	At4g04760	5	147	2	4	24
chr4	2454897	2454963	At4g04850	3	66	0	1	11
chr4	2466814	2466888	At4g04880	3	74	1	2	7
chr4	2483384	2483458	-	3	74	1	1	8
chr4	2494649	2494757	At4g04910	4	108	2	7	9
chr4	2499144	2499255	At4g04920	4	111	3	2	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	2503588	2503701	At4g04920	4	113	1	7	18
chr4	2513563	2513669	At4g04940	4	106	0	5	17
chr4	2516262	2516333	At4g04940	3	71	0	5	12
chr4	2517256	2517332	-	2	76	3	3	6
chr4	2528527	2528602	-	3	75	0	0	6
chr4	2536609	2536684	-	3	75	5	2	6
chr4	2537830	2537902	At4g04970	3	72	0	2	19
chr4	2549275	2549494	At4g04985	7	219	4	2	29
chr4	2557523	2557627	-	4	104	4	2	10
chr4	2564114	2564187	At4g05000	3	73	1	5	6
chr4	2576349	2576451	At4g05020	4	102	3	5	13
chr4	2587798	2587910	-	4	112	1	5	15
chr4	2609222	2609325	At4g05090	4	103	11	11	3
chr4	2618191	2618259	-	3	68	0	1	11
chr4	2618555	2618660	At4g05100	4	105	1	1	23
chr4	2619448	2619590	At4g05100	5	142	5	3	11
chr4	2662970	2663046	-	3	76	2	2	11
chr4	2669448	2669496	-	2	48	0	0	6
chr4	2672498	2672571	At4g05180	3	73	2	3	10
chr4	2682073	2682182	At4g05200	4	109	5	6	14
chr4	2683127	2683301	At4g05210	6	174	4	6	29
chr4	2721125	2721199	-	3	74	1	5	6
chr4	2737176	2737252	-	3	76	5	4	8
chr4	2749361	2749431	-	3	70	1	2	13
chr4	2752523	2752634	-	4	111	6	4	18
chr4	2757816	2757921	-	4	105	1	3	21
chr4	2778974	2779048	-	3	74	0	0	9
chr4	2780246	2780312	-	3	66	1	2	9
chr4	2795167	2795209	-	2	42	0	1	6
chr4	2820161	2820230	-	3	69	0	4	6
chr4	2854377	2854478	-	4	101	3	5	16
chr4	2916814	2916889	-	3	75	0	3	16
chr4	2968418	2968540	-	4	122	0	1	21
chr4	2979188	2979235	-	2	47	0	0	12
chr4	2981206	2981281	-	2	75	0	0	12
chr4	2991810	2991989	-	6	179	4	8	9
chr4	2993997	2994069	-	3	72	4	5	10
chr4	2996594	2996669	-	3	75	1	5	17
chr4	3034274	3034383	-	4	109	3	3	19
chr4	3061545	3061625	-	3	80	3	3	19
chr4	3081391	3081502	-	4	111	1	3	18
chr4	3221826	3221890	-	2	64	0	0	8
chr4	3273181	3273325	-	5	144	4	3	25
chr4	3277669	3277716	-	2	47	0	4	11
chr4	3295346	3295419	-	3	73	0	1	10
chr4	3298927	3299000	-	3	73	2	2	14
chr4	3301701	3301773	-	3	72	0	1	15
chr4	3308163	3308216	-	2	53	0	2	5
chr4	3321835	3321949	-	4	114	0	1	11
chr4	3335427	3335572	-	5	145	3	2	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	3357014	3357124	-	4	110	6	8	12
chr4	3364398	3364465	-	3	67	1	3	11
chr4	3382330	3382440	-	4	110	0	2	15
chr4	3403982	3404023	-	2	41	1	1	6
chr4	3442923	3442989	-	3	66	0	0	14
chr4	3471083	3471190	-	3	107	0	2	13
chr4	3472387	3472493	-	4	106	0	4	16
chr4	3498109	3498182	-	3	73	1	3	16
chr4	3499118	3499186	-	2	68	0	3	3
chr4	3514998	3515138	-	5	140	0	4	15
chr4	3517855	3517926	-	3	71	3	1	4
chr4	3522180	3522290	-	4	110	3	2	15
chr4	3527226	3527291	-	3	65	1	4	6
chr4	3543027	3543101	-	3	74	1	4	12
chr4	3569405	3569483	-	3	78	2	3	12
chr4	3571723	3571799	-	3	76	1	5	7
chr4	3601060	3601131	-	3	71	0	2	20
chr4	3633109	3633229	-	4	120	1	1	20
chr4	3641402	3641510	-	4	108	3	2	21
chr4	3656733	3656806	-	3	73	2	5	8
chr4	3690451	3690524	-	3	73	4	4	10
chr4	3706312	3706466	-	5	154	3	1	21
chr4	3726922	3727027	-	4	105	0	2	22
chr4	3730471	3730535	-	3	64	0	2	8
chr4	3760146	3760218	-	3	72	3	2	8
chr4	3760435	3760507	-	3	72	1	2	7
chr4	3799435	3799576	-	5	141	2	8	14
chr4	3799921	3799988	-	3	67	0	3	13
chr4	3812026	3812141	-	4	115	1	2	19
chr4	3813375	3813479	-	4	104	1	1	13
chr4	3815930	3816076	-	5	146	1	5	23
chr4	3868999	3869055	-	2	56	0	0	3
chr4	3895692	3895809	-	4	117	3	3	11
chr4	3900398	3900510	-	4	112	1	4	21
chr4	3916945	3917012	-	3	67	0	2	13
chr4	3918497	3918606	-	4	109	1	4	12
chr4	3929711	3929943	-	7	232	1	3	28
chr4	3930052	3930170	-	4	118	0	1	12
chr4	4027415	4027461	-	2	46	0	0	5
chr4	4029399	4029458	-	2	59	0	0	12
chr4	4069822	4069873	-	2	51	0	0	3
chr4	4078488	4078560	-	3	72	3	2	12
chr4	4175845	4175900	-	2	55	0	0	7
chr4	4182846	4182902	-	2	56	0	1	9
chr4	4187004	4187051	-	2	47	1	2	13
chr4	4201965	4202108	-	5	143	4	8	16
chr4	4213643	4213714	-	3	71	1	3	13
chr4	4216788	4216924	-	4	136	0	0	17
chr4	4259578	4259682	-	3	104	0	1	17
chr4	4260496	4260590	-	3	94	1	0	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	4260943	4260984	-	2	41	1	1	4
chr4	4266283	4266404	-	4	121	0	2	17
chr4	4275449	4275541	-	3	92	0	2	9
chr4	4291638	4291694	-	2	56	1	1	11
chr4	4309492	4309562	-	3	70	0	2	13
chr4	4311632	4311746	-	4	114	1	1	25
chr4	4322732	4322827	-	3	95	3	5	14
chr4	4391954	4391995	-	2	41	1	0	9
chr4	4438098	4438289	-	5	191	4	3	17
chr4	4440760	4440834	-	3	74	3	3	12
chr4	4443195	4443240	-	2	45	0	0	3
chr4	4453906	4454020	-	4	114	0	1	21
chr4	4454731	4454807	-	3	76	2	3	16
chr4	4458453	4458527	-	3	74	1	0	11
chr4	4459966	4460043	-	2	77	0	0	10
chr4	4473157	4473231	-	3	74	1	3	12
chr4	4485081	4485153	-	3	72	2	2	17
chr4	4491543	4491667	-	4	124	3	5	12
chr4	4506163	4506231	-	2	68	5	4	4
chr4	4511540	4511609	-	3	69	2	3	13
chr4	4571581	4571655	-	3	74	1	3	12
chr4	4572456	4572529	-	3	73	1	1	11
chr4	4572720	4572795	-	3	75	1	3	8
chr4	4574951	4575025	-	3	74	4	1	12
chr4	4577334	4577383	-	2	49	2	0	5
chr4	4578825	4578927	-	4	102	2	1	17
chr4	4591673	4591744	-	3	71	1	3	15
chr4	4599350	4599409	-	2	59	2	1	7
chr4	4616940	4617118	-	6	178	3	4	30
chr4	4618219	4618289	-	3	70	0	4	12
chr4	4624430	4624577	-	5	147	5	3	13
chr4	4631690	4631757	-	3	67	0	2	14
chr4	4659095	4659164	-	3	69	2	1	16
chr4	4661149	4661224	-	3	75	1	1	15
chr4	4665236	4665306	-	3	70	3	3	9
chr4	4693446	4693518	-	3	72	0	2	16
chr4	4720669	4720710	-	2	41	3	3	4
chr4	4731349	4731425	-	3	76	3	2	16
chr4	4747717	4747789	-	3	72	1	2	12
chr4	4764565	4764705	-	5	140	2	8	26
chr4	4833500	4833588	-	3	88	4	3	12
chr4	4853025	4853116	-	3	91	1	4	10
chr4	4867707	4867812	-	4	105	2	2	16
chr4	4871750	4871818	-	3	68	1	2	16
chr4	4903574	4903615	-	2	41	0	1	3
chr4	4944100	4944170	-	3	70	0	3	6
chr4	4962631	4962703	-	3	72	1	3	15
chr4	4965641	4965713	-	3	72	1	5	14
chr4	4985824	4985934	-	4	110	2	0	14
chr4	4986204	4986287	-	3	83	0	2	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	5008901	5008972	-	3	71	0	2	10
chr4	5010683	5010786	-	4	103	2	2	26
chr4	5010981	5011100	-	4	119	2	3	11
chr4	5027878	5027988	-	4	110	2	5	17
chr4	5042015	5042120	-	4	105	1	5	14
chr4	5048823	5048951	-	4	128	2	5	11
chr4	5076629	5076698	-	3	69	4	0	10
chr4	5100160	5100276	-	4	116	1	0	17
chr4	5107530	5107610	-	3	80	2	3	7
chr4	5115791	5115854	-	2	63	1	2	4
chr4	5121867	5122113	-	8	246	2	2	22
chr4	5124317	5124575	-	8	258	3	5	37
chr4	5136003	5136050	-	2	47	0	1	6
chr4	5137042	5137143	-	4	101	3	6	14
chr4	5148793	5148897	-	4	104	3	3	18
chr4	5164666	5164734	-	3	68	1	0	20
chr4	5171311	5171454	-	5	143	5	1	19
chr4	5178644	5178711	-	3	67	6	2	3
chr4	5186441	5186516	-	3	75	4	5	2
chr4	5192531	5192604	-	3	73	0	1	7
chr4	5208954	5209100	-	5	146	3	5	24
chr4	5214771	5214884	-	4	113	0	2	12
chr4	5217229	5217330	-	4	101	1	1	22
chr4	5219216	5219290	-	3	74	1	2	8
chr4	5241434	5241595	-	5	161	4	5	14
chr4	5249367	5249473	-	4	106	2	3	7
chr4	5292838	5292879	-	2	41	0	1	7
chr4	5313411	5313520	-	4	109	0	1	15
chr4	5322748	5322899	-	5	151	0	2	22
chr4	5323793	5323987	-	6	194	2	2	49
chr4	5333217	5333280	-	2	63	1	0	3
chr4	5351077	5351118	-	2	41	2	3	6
chr4	5351945	5352055	-	4	110	1	2	11
chr4	5354478	5354525	-	2	47	0	0	4
chr4	5358639	5358847	-	7	208	1	4	28
chr4	5370969	5371039	-	3	70	3	2	14
chr4	5386503	5386609	-	4	106	1	4	11
chr4	5404922	5404965	-	2	43	0	3	3
chr4	5412461	5412572	-	4	111	2	6	19
chr4	5414541	5414614	-	3	73	0	0	8
chr4	5419045	5419094	-	2	49	0	3	4
chr4	5429445	5429515	-	3	70	5	4	8
chr4	5433569	5433614	-	2	45	6	6	0
chr4	5435190	5435299	-	4	109	5	9	10
chr4	5436341	5436382	-	2	41	1	2	9
chr4	5442039	5442115	-	3	76	1	2	5
chr4	5445526	5445598	-	3	72	2	1	15
chr4	5451612	5451680	-	3	68	3	1	11
chr4	5463074	5463148	-	3	74	1	4	15
chr4	5477358	5477432	-	3	74	0	3	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	5495325	5495400	-	2	75	2	5	8
chr4	5501280	5501321	-	2	41	4	3	8
chr4	5507321	5507393	-	3	72	0	5	12
chr4	5510422	5510497	-	3	75	0	2	7
chr4	5513344	5513451	-	4	107	3	2	23
chr4	5548869	5548934	-	3	65	1	2	12
chr4	5576799	5576869	-	3	70	0	1	8
chr4	5579288	5579429	-	5	141	6	5	10
chr4	5589108	5589152	-	2	44	1	1	9
chr4	5591633	5591707	-	3	74	0	5	9
chr4	5612188	5612261	-	2	73	0	2	5
chr4	5618067	5618141	-	2	74	1	1	9
chr4	5627828	5627969	-	5	141	4	1	24
chr4	5630699	5630840	-	4	141	0	1	9
chr4	5639357	5639504	-	5	147	7	8	16
chr4	5642004	5642074	-	3	70	3	0	2
chr4	5658882	5658986	-	4	104	5	5	8
chr4	5659569	5659643	-	3	74	7	5	11
chr4	5697979	5698055	-	3	76	2	4	7
chr4	5700841	5700945	-	4	104	2	2	3
chr4	5714428	5714528	-	4	100	2	3	29
chr4	5748549	5748619	-	3	70	1	3	10
chr4	5751499	5751609	-	4	110	2	4	7
chr4	5770585	5770869	-	9	284	5	4	32
chr4	5775262	5775379	At4g09000	4	117	2	3	3
chr4	5794807	5794921	At4g09040	4	114	1	1	9
chr4	5819126	5819196	At4g09140	3	70	2	5	13
chr4	5833313	5833414	At4g09150	4	101	5	8	16
chr4	5849452	5849592	At4g09180	5	140	3	3	23
chr4	5850710	5850785	-	3	75	2	3	7
chr4	5860887	5861037	At4g09200	5	150	1	7	15
chr4	5863196	5863340	At4g09205	5	144	0	4	25
chr4	5869895	5869958	-	2	63	0	2	7
chr4	5896787	5896857	-	3	70	1	2	5
chr4	5900237	5900308	At4g09300	3	71	4	3	9
chr4	5918188	5918294	-	4	106	4	5	7
chr4	5932792	5932844	-	2	52	0	0	5
chr4	5969003	5969321	At4g09425	10	318	3	10	48
chr4	5974615	5974722	At4g09430	4	107	5	3	11
chr4	5983390	5983459	At4g09450	3	69	5	5	12
chr4	5984680	5984789	-	4	109	1	3	8
chr4	5985015	5985091	-	3	76	0	5	12
chr4	5994203	5994276	At4g09460	3	73	1	0	10
chr4	6031898	6031965	-	3	67	0	3	10
chr4	6033295	6033340	-	2	45	0	1	1
chr4	6050857	6050967	At4g09570	4	110	2	4	15
chr4	6058746	6058822	-	3	76	0	2	15
chr4	6059354	6059431	-	3	77	0	1	7
chr4	6071936	6072012	-	2	76	0	4	7
chr4	6072649	6072717	-	3	68	1	2	6

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	6093603	6093677	-	3	74	3	2	8
chr4	6098670	6098896	-	7	226	2	2	17
chr4	6107431	6107569	At4g09670	5	138	3	6	9
chr4	6125024	6125174	At4g09690	5	150	7	3	16
chr4	6140996	6141038	-	2	42	0	0	2
chr4	6143298	6143352	At4g09740	2	54	0	0	3
chr4	6148552	6148628	At4g09750	3	76	1	4	12
chr4	6162280	6162352	-	3	72	1	4	13
chr4	6163734	6163808	At4g09790	3	74	2	6	3
chr4	6184624	6184693	At4g09820	2	69	1	2	10
chr4	6202301	6202349	-	2	48	0	0	14
chr4	6209464	6209650	-	6	186	6	5	26
chr4	6212151	6212303	-	4	152	3	2	14
chr4	6216158	6216269	-	4	111	3	1	16
chr4	6218591	6218734	At4g09890	5	143	3	6	18
chr4	6238327	6238429	At4g09960	4	102	1	3	10
chr4	6247978	6248057	At4g09970	3	79	2	3	20
chr4	6276619	6276691	-	2	72	0	0	6
chr4	6289121	6289199	At4g10060	3	78	0	1	6
chr4	6298182	6298255	At4g10070	3	73	0	3	12
chr4	6298591	6298809	At4g10070	7	218	2	8	24
chr4	6311242	6311318	-	2	76	0	0	2
chr4	6341802	6341946	-	5	144	3	2	18
chr4	6347205	6347354	At4g10180	5	149	3	3	27
chr4	6354287	6354362	At4g10200	3	75	1	0	20
chr4	6358272	6358345	At4g10210	3	73	1	2	14
chr4	6367771	6367842	-	3	71	0	2	9
chr4	6370255	6370323	-	3	68	1	2	10
chr4	6370894	6370969	At4g10250	3	75	0	3	18
chr4	6383747	6383788	-	2	41	0	2	2
chr4	6394669	6394710	At4g10310	2	41	1	0	1
chr4	6409622	6409727	At4g10340	4	105	2	1	19
chr4	6420713	6420877	At4g10360	5	164	1	2	21
chr4	6424248	6424360	At4g10370	4	112	1	3	20
chr4	6425461	6425569	At4g10370	4	108	1	2	21
chr4	6436635	6436703	-	3	68	3	1	12
chr4	6445322	6445398	-	3	76	1	0	15
chr4	6452362	6452433	-	3	71	4	1	9
chr4	6457936	6458045	At4g10430	4	109	5	4	18
chr4	6458418	6458491	-	3	73	1	3	14
chr4	6467391	6467467	-	3	76	0	1	13
chr4	6491075	6491116	-	2	41	1	1	5
chr4	6491377	6491446	At4g10500	3	69	1	3	9
chr4	6495035	6495132	-	4	97	2	0	16
chr4	6496766	6496946	At4g10510	6	180	6	6	26
chr4	6503175	6503246	-	3	71	2	5	8
chr4	6541817	6541891	At4g10590	3	74	1	1	17
chr4	6548826	6548898	At4g10600	3	72	6	4	15
chr4	6567407	6567509	At4g10630	4	102	5	4	23
chr4	6568389	6568464	-	3	75	3	2	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	6616790	6616864	-	3	74	2	4	7
chr4	6626476	6626518	-	2	42	1	0	6
chr4	6630444	6630514	At4g10770	3	70	3	4	4
chr4	6633974	6634043	-	3	69	1	3	13
chr4	6649186	6649258	-	3	72	2	2	14
chr4	6677427	6677572	-	5	145	0	3	15
chr4	6693610	6693687	At4g10890	3	77	4	6	11
chr4	6708069	6708205	At4g10930	5	136	3	7	17
chr4	6728160	6728266	At4g10990	4	106	1	5	18
chr4	6731299	6731480	At4g11000	6	181	3	7	22
chr4	6736188	6736257	-	3	69	0	1	17
chr4	6739453	6739524	At4g11030	3	71	1	1	15
chr4	6750615	6750688	At4g11050	3	73	5	7	7
chr4	6755193	6755266	At4g11060	3	73	1	3	10
chr4	6773837	6773906	At4g11110	3	69	2	3	15
chr4	6785428	6785499	-	3	71	1	0	15
chr4	6795922	6795973	-	2	51	1	3	12
chr4	6801603	6801677	At4g11150	3	74	2	4	8
chr4	6802930	6803034	-	4	104	0	2	21
chr4	6804236	6804377	At4g11160	5	141	3	4	19
chr4	6819538	6819607	-	3	69	0	0	12
chr4	6836348	6836420	At4g11211	3	72	6	5	11
chr4	6840875	6840950	At4g11230	3	75	3	2	2
chr4	6842720	6842866	At4g11230	5	146	2	6	14
chr4	6853411	6853486	At4g11260	3	75	3	1	5
chr4	6854460	6854531	At4g11270	3	71	5	6	7
chr4	6855940	6856048	At4g11270	4	108	3	6	12
chr4	6858050	6858232	At4g11270	6	182	6	11	22
chr4	6880182	6880255	-	3	73	0	1	11
chr4	6895895	6895966	At4g11340	3	71	3	1	9
chr4	6904176	6904263	-	3	87	1	0	10
chr4	6923990	6924061	At4g11380	3	71	1	4	8
chr4	6926424	6926497	-	3	73	4	1	12
chr4	6928738	6928804	At4g11390	3	66	3	2	15
chr4	6933866	6933938	-	3	72	1	0	11
chr4	6963088	6963196	-	4	108	6	3	18
chr4	6968477	6968550	At4g11470	3	73	3	3	8
chr4	6984155	6984226	At4g11510	3	71	3	5	9
chr4	6987528	6987668	At4g11530	5	140	2	5	22
chr4	6998062	6998206	At4g11550	5	144	3	3	23
chr4	7004569	7004648	At4g11570	3	79	2	4	15
chr4	7007289	7007356	At4g11580	3	67	2	4	7
chr4	7019308	7019378	-	3	70	0	1	15
chr4	7041164	7041233	-	3	69	1	0	7
chr4	7042796	7042981	At4g11660	6	185	1	3	27
chr4	7054645	7054782	At4g11680	5	137	1	2	11
chr4	7057529	7057604	At4g11690	3	75	2	3	15
chr4	7093969	7094109	At4g11800	5	140	5	7	23
chr4	7094253	7094320	At4g11800	3	67	5	8	12
chr4	7123365	7123527	At4g11840	5	162	2	4	24

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	7128900	7129039	-	5	139	1	3	21
chr4	7138281	7138353	At4g11860	3	72	8	6	7
chr4	7158433	7158613	At4g11910	6	180	3	2	19
chr4	7167532	7167598	-	3	66	1	2	19
chr4	7168828	7168900	At4g11940	3	72	2	0	20
chr4	7187917	7188034	At4g11990	4	117	0	2	19
chr4	7188841	7189030	At4g11990	6	189	0	5	11
chr4	7193929	7194032	At4g12000	4	103	1	9	7
chr4	7210372	7210444	-	3	72	0	1	9
chr4	7218987	7219103	-	4	116	0	0	11
chr4	7235396	7235459	-	2	63	1	0	3
chr4	7237696	7237828	-	5	132	0	3	15
chr4	7241692	7241837	-	5	145	3	3	16
chr4	7259877	7260028	At4g12120	5	151	1	4	17
chr4	7263168	7263239	-	3	71	3	0	6
chr4	7279271	7279360	-	3	89	2	1	19
chr4	7282399	7282471	-	3	72	0	0	11
chr4	7285599	7285739	At4g12230	5	140	1	5	25
chr4	7290642	7290751	At4g12250	4	109	7	4	31
chr4	7306823	7306934	At4g12290	4	111	8	6	13
chr4	7312041	7312186	At4g12310	5	145	7	6	20
chr4	7313862	7313928	-	3	66	1	0	13
chr4	7315403	7315476	At4g12320	3	73	2	2	11
chr4	7323443	7323511	-	3	68	0	2	11
chr4	7331793	7331865	-	3	72	1	3	12
chr4	7333634	7333701	At4g12380	3	67	3	3	7
chr4	7337421	7337462	-	2	41	1	2	6
chr4	7339607	7339755	At4g12400	5	148	4	6	10
chr4	7349314	7349390	-	3	76	0	5	13
chr4	7352720	7352832	At4g12420	4	112	1	3	21
chr4	7373640	7373745	-	4	105	5	2	16
chr4	7393451	7393522	At4g12460	3	71	1	3	11
chr4	7420456	7420527	-	3	71	0	0	13
chr4	7427159	7427232	-	3	73	0	0	9
chr4	7435902	7436048	-	5	146	6	2	18
chr4	7447732	7447837	At4g12570	4	105	0	3	19
chr4	7449710	7449867	-	5	157	2	3	15
chr4	7455770	7455840	At4g12610	3	70	4	4	18
chr4	7465730	7465800	At4g12640	3	70	0	3	15
chr4	7468751	7468865	At4g12650	4	114	2	6	22
chr4	7474965	7475042	-	3	77	5	4	9
chr4	7480984	7481053	At4g12690	3	69	3	2	13
chr4	7483831	7483935	At4g12700	4	104	1	3	8
chr4	7498796	7498909	At4g12750	4	113	4	5	12
chr4	7503586	7503627	At4g12750	2	41	1	0	3
chr4	7510675	7511031	At4g12770	11	356	6	12	38
chr4	7514415	7514475	At4g12780	2	60	0	4	4
chr4	7515310	7515416	At4g12780	4	106	1	6	15
chr4	7546911	7547054	At4g12890	5	143	3	3	26
chr4	7565276	7565344	-	3	68	1	1	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	7569674	7569748	-	3	74	0	1	11
chr4	7600552	7600670	At4g13010	4	118	6	6	9
chr4	7603399	7603469	At4g13020	3	70	1	1	5
chr4	7617838	7617951	At4g13050	4	113	7	12	7
chr4	7637314	7637386	At4g13100	3	72	6	5	8
chr4	7649624	7649697	At4g13130	3	73	1	1	17
chr4	7657496	7657572	At4g13180	3	76	5	5	5
chr4	7667339	7667410	-	3	71	2	1	11
chr4	7675440	7675500	-	2	60	4	2	2
chr4	7680506	7680580	At4g13240	3	74	3	3	11
chr4	7685241	7685351	At4g13250	4	110	0	3	12
chr4	7723494	7723565	At4g13260	3	71	6	8	10
chr4	7726359	7726507	-	5	148	3	4	9
chr4	7747149	7747225	-	3	76	1	3	9
chr4	7750272	7750338	-	3	66	0	2	13
chr4	7755171	7755242	At4g13330	3	71	0	3	11
chr4	7763295	7763364	-	3	69	3	3	7
chr4	7772990	7773132	At4g13350	5	142	1	5	13
chr4	7780286	7780359	At4g13370	3	73	2	5	18
chr4	7780523	7780566	-	2	43	0	0	4
chr4	7783637	7783816	-	6	179	3	2	13
chr4	7789675	7789742	At4g13400	3	67	2	1	11
chr4	7803990	7804132	At4g13430	5	142	2	1	13
chr4	7814918	7815113	-	6	195	1	3	27
chr4	7826844	7826923	-	3	79	0	1	13
chr4	7837072	7837186	At4g13480	4	114	2	2	19
chr4	7841203	7841275	-	3	72	2	1	15
chr4	7842106	7842176	-	3	70	3	1	8
chr4	7847010	7847083	-	3	73	1	2	10
chr4	7847608	7847682	-	3	74	2	1	12
chr4	7857118	7857194	At4g13500	3	76	1	0	7
chr4	7857929	7858006	-	3	77	0	5	4
chr4	7860406	7860479	-	3	73	1	0	5
chr4	7869259	7869337	-	3	78	2	2	5
chr4	7870659	7870736	-	3	77	1	2	9
chr4	7871405	7871477	At4g13550	3	72	0	2	12
chr4	7876760	7876873	At4g13550	4	113	3	6	24
chr4	7889055	7889130	-	3	75	1	1	17
chr4	7890044	7890113	-	2	69	0	1	4
chr4	7930340	7930416	-	3	76	3	1	5
chr4	7931478	7931549	-	3	71	0	1	7
chr4	7941158	7941234	At4g13650	3	76	1	3	11
chr4	7941396	7941608	At4g13650	7	212	3	6	21
chr4	7946537	7946679	At4g13660	5	142	7	10	13
chr4	7948178	7948253	At4g13660	3	75	4	0	14
chr4	7952265	7952374	At4g13680	4	109	3	7	21
chr4	7983201	7983276	At4g13750	3	75	2	3	10
chr4	7990793	7990901	At4g13770	4	108	6	8	14
chr4	7992797	7992841	-	2	44	2	1	8
chr4	7996049	7996094	At4g13780	2	45	0	1	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	7998989	7999101	-	4	112	1	3	10
chr4	8001270	8001311	-	2	41	1	0	12
chr4	8002992	8003106	At4g13800	4	114	4	3	12
chr4	8007351	8007421	-	3	70	0	4	12
chr4	8009919	8009991	At4g13820	3	72	1	0	12
chr4	8010529	8010593	At4g13820	3	64	2	1	9
chr4	8017195	8017302	-	4	107	1	3	11
chr4	8023871	8023949	At4g13870	3	78	0	7	7
chr4	8025068	8025135	At4g13870	3	67	3	3	3
chr4	8035472	8035543	-	3	71	0	2	9
chr4	8056294	8056366	At4g13940	3	72	0	6	12
chr4	8062703	8063026	-	10	323	6	10	28
chr4	8066245	8066316	-	3	71	5	1	6
chr4	8066535	8066640	-	4	105	0	5	13
chr4	8077765	8077806	At4g13980	2	41	1	1	9
chr4	8085364	8085438	At4g13990	3	74	2	1	18
chr4	8087580	8087687	-	4	107	0	0	23
chr4	8090766	8090907	-	5	141	7	11	16
chr4	8106886	8106976	-	3	90	4	2	4
chr4	8119721	8119829	At4g14080	4	108	5	6	16
chr4	8120460	8120605	-	5	145	0	1	19
chr4	8123269	8123342	At4g14090	3	73	4	4	18
chr4	8135597	8135702	At4g14120	4	105	0	0	23
chr4	8146419	8146584	At4g08990	5	165	5	10	20
chr4	8147431	8147539	At4g08990	4	108	3	7	20
chr4	8161779	8161850	At4g14150	3	71	0	2	18
chr4	8172078	8172182	At4g14160	4	104	4	7	12
chr4	8173016	8173094	At4g14160	3	78	3	5	9
chr4	8173592	8173667	-	3	75	0	1	7
chr4	8187352	8187425	At4g14200	3	73	0	5	9
chr4	8192625	8192694	At4g14210	3	69	1	6	7
chr4	8195279	8195627	-	11	348	11	11	34
chr4	8198123	8198193	At4g14220	3	70	2	5	10
chr4	8203554	8203668	-	4	114	2	4	7
chr4	8205164	8205309	At4g14240	5	145	3	5	24
chr4	8208377	8208555	-	6	178	1	2	17
chr4	8210541	8210647	At4g14250	4	106	0	0	7
chr4	8215601	8215713	-	4	112	2	2	12
chr4	8217623	8217840	-	7	217	3	7	23
chr4	8229771	8229918	At4g14290	5	147	0	1	16
chr4	8242988	8243068	At4g14320	3	80	2	3	13
chr4	8246598	8246670	At4g14330	3	72	2	4	13
chr4	8248735	8248841	At4g14340	4	106	2	3	12
chr4	8255604	8255674	-	3	70	2	1	9
chr4	8256446	8256516	At4g14350	3	70	2	4	10
chr4	8260440	8260545	At4g14350	4	105	5	3	15
chr4	8288593	8288671	At4g14385	3	78	4	5	10
chr4	8289645	8289843	At4g14390	7	198	4	4	28
chr4	8306351	8306423	-	3	72	3	2	10
chr4	8306565	8306673	-	4	108	5	4	15

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	8306864	8306932	At4g14440	3	68	2	1	11
chr4	8307966	8308072	-	4	106	2	2	11
chr4	8314859	8315198	At4g14460	10	339	3	14	41
chr4	8317636	8317811	At4g14460	6	175	0	7	23
chr4	8323357	8323496	-	5	139	5	5	12
chr4	8348997	8349064	At4g14550	3	67	2	5	10
chr4	8356929	8356997	-	3	68	1	1	14
chr4	8359241	8359447	-	7	206	4	5	22
chr4	8359756	8359870	-	4	114	3	1	15
chr4	8383471	8383543	At4g14610	3	72	4	3	12
chr4	8411132	8411242	At4g14670	4	110	2	3	23
chr4	8416768	8416838	-	3	70	4	1	10
chr4	8428338	8428418	At4g14713	3	80	1	4	10
chr4	8440409	8440516	-	4	107	4	6	21
chr4	8441419	8441477	-	2	58	0	0	5
chr4	8453696	8453814	At4g14740	4	118	7	6	26
chr4	8455089	8455164	-	3	75	4	2	8
chr4	8460394	8460468	-	3	74	1	2	10
chr4	8472958	8473034	-	3	76	1	1	8
chr4	8482407	8482513	At4g14770	4	106	2	7	18
chr4	8493514	8493587	At4g14780	3	73	4	3	11
chr4	8499548	8499798	At4g14790	8	250	6	10	18
chr4	8500210	8500281	-	3	71	4	2	6
chr4	8507498	8507564	-	3	66	7	5	8
chr4	8508852	8508925	At4g14820	3	73	0	5	10
chr4	8513442	8513558	At4g14840	4	116	2	5	10
chr4	8514403	8514589	At4g14850	6	186	4	4	32
chr4	8522604	8522738	At4g14900	5	134	2	5	16
chr4	8523797	8523865	-	3	68	5	4	9
chr4	8528356	8528567	At4g14910	7	211	3	6	21
chr4	8551559	8551668	At4g14965	4	109	0	1	18
chr4	8555341	8555448	At4g14970	4	107	1	2	16
chr4	8562021	8562097	At4g14980	3	76	2	2	11
chr4	8603856	8603965	At4g15070	4	109	1	4	15
chr4	8617027	8617099	At4g15090	3	72	0	2	15
chr4	8624364	8624437	-	3	73	3	3	14
chr4	8626372	8626413	At4g15100	2	41	3	2	8
chr4	8650794	8650867	-	3	73	3	4	10
chr4	8652801	8652868	At4g15180	3	67	3	4	16
chr4	8656224	8656305	At4g15180	3	81	2	2	8
chr4	8657314	8657565	At4g15180	8	251	3	12	28
chr4	8663166	8663245	-	3	79	4	2	6
chr4	8667374	8667482	At4g15210	4	108	6	10	12
chr4	8668134	8668204	At4g15210	3	70	5	8	6
chr4	8674883	8674991	At4g15215	4	108	3	4	8
chr4	8689359	8689466	At4g15233	4	107	6	4	15
chr4	8690270	8690556	At4g15233	9	286	1	8	40
chr4	8692678	8692746	At4g15233	3	68	0	2	9
chr4	8693893	8694150	At4g15233	8	257	6	5	30
chr4	8694259	8694337	At4g15233	3	78	0	2	18

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	8700655	8700705	At4g15233	2	50	0	1	7
chr4	8701363	8701433	At4g15233	3	70	2	2	12
chr4	8702772	8702840	-	3	68	0	0	17
chr4	8709902	8709970	-	3	68	2	4	9
chr4	8712103	8712180	-	3	77	1	2	10
chr4	8716617	8716691	At4g15270	3	74	3	0	5
chr4	8729942	8730007	-	2	65	1	1	6
chr4	8771318	8771388	At4g15360	3	70	1	4	11
chr4	8773333	8773406	-	3	73	2	3	11
chr4	8774922	8775001	At4g15370	2	79	0	0	4
chr4	8775638	8775714	At4g15370	3	76	2	4	6
chr4	8778048	8778221	At4g15370	5	173	1	7	12
chr4	8801636	8801707	-	3	71	0	0	10
chr4	8816185	8816319	At4g15410	5	134	3	7	15
chr4	8817495	8817570	At4g15415	3	75	1	4	15
chr4	8837484	8837559	At4g15440	3	75	4	1	5
chr4	8837923	8838036	At4g15440	4	113	8	9	13
chr4	8860395	8860464	-	2	69	0	0	5
chr4	8876279	8876426	At4g15545	5	147	2	6	16
chr4	8884900	8884941	At4g15560	2	41	2	1	14
chr4	8887017	8887125	At4g15560	4	108	1	6	11
chr4	8908345	8908410	-	3	65	1	3	4
chr4	8909595	8909699	At4g15610	4	104	4	4	15
chr4	8928767	8928831	-	3	64	2	1	11
chr4	8941834	8941969	-	5	135	2	2	16
chr4	8945438	8945554	At4g15715	4	116	3	5	17
chr4	8965786	8965998	At4g15740	7	212	8	10	30
chr4	8975695	8975806	-	4	111	3	3	14
chr4	8978253	8978321	At4g15770	3	68	6	7	6
chr4	8994788	8994907	At4g15820	4	119	1	4	15
chr4	8996518	8996629	At4g15830	4	111	4	2	21
chr4	8997901	8998045	At4g15840	5	144	3	2	17
chr4	9007279	9007460	At4g15860	6	181	2	2	19
chr4	9027471	9027648	At4g15900	6	177	0	1	32
chr4	9030797	9030847	At4g15920	2	50	1	3	7
chr4	9033103	9033357	At4g15920	8	254	7	6	33
chr4	9037781	9037930	At4g15930	5	149	4	3	17
chr4	9047117	9047261	At4g15960	5	144	6	5	31
chr4	9055300	9055367	-	3	67	0	0	13
chr4	9068070	9068138	-	3	68	2	1	8
chr4	9096265	9096372	At4g16060	4	107	4	3	13
chr4	9115523	9115632	At4g16110	4	109	4	7	17
chr4	9131436	9131533	-	3	97	2	0	6
chr4	9135339	9135383	At4g16143	2	44	0	0	11
chr4	9136753	9136826	At4g16143	3	73	1	6	7
chr4	9154327	9154395	At4g16155	3	68	0	4	10
chr4	9156620	9156696	At4g16155	3	76	2	1	11
chr4	9157063	9157276	At4g16155	7	213	15	8	34
chr4	9157497	9157568	-	3	71	0	0	24
chr4	9164925	9165003	-	3	78	5	1	18

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	9165362	9165476	At4g16170	4	114	2	3	19
chr4	9168833	9168904	At4g16180	3	71	1	1	8
chr4	9170064	9170172	At4g16180	4	108	6	4	11
chr4	9172439	9172512	At4g16190	3	73	4	4	10
chr4	9176975	9177078	At4g16210	4	103	4	2	14
chr4	9196703	9196995	At4g16250	9	292	8	12	22
chr4	9205462	9205681	At4g16270	7	219	8	10	26
chr4	9249625	9249699	At4g16370	3	74	2	3	10
chr4	9268724	9268765	At4g16430	2	41	0	2	14
chr4	9276252	9276324	At4g16444	3	72	6	4	10
chr4	9277882	9277950	-	3	68	0	0	10
chr4	9278798	9278936	-	5	138	4	3	15
chr4	9293181	9293227	At4g16480	2	46	2	2	5
chr4	9301801	9301842	At4g16500	2	41	5	6	2
chr4	9303212	9303316	At4g16510	4	104	1	5	10
chr4	9311337	9311440	-	3	103	3	3	14
chr4	9316045	9316151	At4g16540	4	106	6	7	18
chr4	9320071	9320281	At4g16550	7	210	4	4	19
chr4	9322252	9322395	At4g16550	5	143	2	4	19
chr4	9322905	9323015	At4g16550	4	110	3	4	16
chr4	9342171	9342307	At4g16580	5	136	5	5	13
chr4	9343257	9343332	-	3	75	3	1	10
chr4	9348445	9348508	At4g16590	3	63	2	2	7
chr4	9352946	9353047	-	4	101	3	4	17
chr4	9378317	9378389	At4g16660	3	72	2	3	13
chr4	9389406	9389477	At4g16680	3	71	3	5	6
chr4	9397867	9398008	At4g16700	5	141	2	2	20
chr4	9415951	9416055	-	3	104	0	0	10
chr4	9421125	9421302	-	6	177	13	11	18
chr4	9436506	9436547	At4g16770	2	41	0	1	10
chr4	9438070	9438247	-	6	177	1	2	15
chr4	9439189	9439234	-	2	45	1	0	7
chr4	9446045	9446120	-	3	75	7	3	11
chr4	9448522	9448627	-	4	105	1	1	16
chr4	9454138	9454211	-	3	73	3	3	10
chr4	9459169	9459279	At4g16810	4	110	3	6	12
chr4	9460473	9460584	At4g16810	4	111	4	2	9
chr4	9467036	9467107	-	3	71	3	2	3
chr4	9482116	9482189	-	3	73	2	4	16
chr4	9498813	9498923	At4g16880	4	110	2	1	21
chr4	9499999	9500069	At4g16950	3	70	2	5	12
chr4	9507255	9507358	At4g16950	4	103	1	3	19
chr4	9513203	9513425	At4g16900	7	222	4	8	24
chr4	9514404	9514553	At4g16900	5	149	2	4	17
chr4	9517820	9517921	At4g16950	4	101	2	2	18
chr4	9527444	9527516	At4g16950	3	72	1	2	12
chr4	9532126	9532195	At4g16950	3	69	3	5	5
chr4	9551630	9551776	At4g16970	5	146	7	5	16
chr4	9568462	9568527	At4g17000	3	65	1	7	8
chr4	9575748	9575817	-	3	69	4	2	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	9578402	9578473	At4g17020	3	71	1	5	9
chr4	9580267	9580346	At4g17020	3	79	2	3	12
chr4	9602887	9603022	At4g17080	5	135	2	5	20
chr4	9611327	9611405	At4g17100	3	78	0	5	12
chr4	9620630	9620701	At4g17120	3	71	1	5	3
chr4	9621033	9621174	At4g17120	5	141	2	6	22
chr4	9639585	9639725	At4g17150	5	140	3	7	20
chr4	9641453	9641779	At4g17150	10	326	4	5	43
chr4	9644759	9644832	At4g17170	3	73	2	1	6
chr4	9650791	9650896	At4g17190	4	105	3	5	22
chr4	9651093	9651209	-	4	116	3	3	15
chr4	9656090	9656241	At4g17215	5	151	3	2	26
chr4	9661669	9661848	At4g17230	6	179	5	6	23
chr4	9662918	9663096	At4g17230	6	178	1	5	23
chr4	9678263	9678449	At4g17270	6	186	3	10	24
chr4	9681133	9681242	-	4	109	0	2	12
chr4	9682521	9682580	At4g17300	2	59	1	1	4
chr4	9686771	9686844	At4g17310	3	73	5	6	15
chr4	9694179	9694255	-	3	76	1	4	12
chr4	9699724	9699801	At4g17340	3	77	3	3	6
chr4	9702166	9702414	At4g17350	8	248	6	14	32
chr4	9707580	9707719	At4g17370	5	139	2	1	18
chr4	9714310	9714457	At4g17390	5	147	3	9	7
chr4	9714810	9714879	At4g17390	3	69	2	6	11
chr4	9716119	9716192	-	3	73	3	2	18
chr4	9726466	9726575	At4g17430	4	109	4	7	16
chr4	9727942	9728082	At4g17440	5	140	9	10	25
chr4	9728546	9728619	At4g17440	3	73	0	4	16
chr4	9730534	9730649	-	4	115	6	2	7
chr4	9750366	9750484	At4g17486	4	118	1	7	13
chr4	9753153	9753298	At4g17490	5	145	10	6	10
chr4	9753585	9753649	At4g17490	3	64	7	3	13
chr4	9765405	9765476	At4g17505	3	71	1	1	11
chr4	9771461	9771537	At4g17520	3	76	6	6	5
chr4	9780873	9780949	At4g17560	3	76	0	2	19
chr4	9782670	9782852	At4g17565	6	182	6	7	20
chr4	9784059	9784139	At4g17570	3	80	0	1	17
chr4	9787633	9787676	-	2	43	0	1	2
chr4	9791830	9791978	-	5	148	6	5	21
chr4	9805155	9805227	-	3	72	1	3	16
chr4	9814250	9814361	At4g17610	4	111	2	1	10
chr4	9819482	9819591	-	4	109	4	2	11
chr4	9827033	9827111	At4g17640	3	78	0	0	11
chr4	9845072	9845295	-	7	223	3	2	22
chr4	9847813	9847956	-	5	143	6	6	18
chr4	9856918	9857102	At4g17710	6	184	7	9	21
chr4	9867394	9867464	At4g17740	3	70	4	6	8
chr4	9869312	9869421	At4g17740	4	109	3	11	3
chr4	9879958	9880031	At4g17770	3	73	5	5	7
chr4	9916329	9916400	At4g17830	3	71	1	7	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	9923177	9923256	At4g17850	3	79	2	4	12
chr4	9934567	9934636	At4g17880	3	69	1	5	11
chr4	9937276	9937345	At4g17890	3	69	1	2	14
chr4	9938511	9938615	At4g17890	4	104	2	2	10
chr4	9942063	9942203	At4g17895	5	140	3	3	28
chr4	9942383	9942457	At4g17895	3	74	3	5	10
chr4	9949272	9949462	At4g17910	6	190	11	9	22
chr4	9984543	9984701	At4g17990	5	158	6	7	23
chr4	9991839	9992156	At4g18010	10	317	16	14	25
chr4	10017458	10017594	At4g18040	5	136	2	2	17
chr4	10036412	10036518	At4g18100	4	106	6	6	11
chr4	10049631	10049706	-	3	75	6	2	6
chr4	10057623	10057731	At4g18160	4	108	3	6	13
chr4	10067442	10067669	-	7	227	3	4	29
chr4	10073018	10073098	At4g18200	3	80	0	1	12
chr4	10077686	10077734	At4g18210	2	48	1	1	3
chr4	10089892	10089959	At4g18250	3	67	3	4	17
chr4	10094849	10095059	At4g18260	7	210	9	2	20
chr4	10113146	10113225	-	3	79	3	1	6
chr4	10117482	10117591	At4g18290	4	109	1	5	20
chr4	10120191	10120412	At4g18300	7	221	3	11	32
chr4	10123161	10123213	-	2	52	0	1	6
chr4	10131464	10131530	At4g18340	3	66	2	5	15
chr4	10134910	10135058	-	5	148	2	4	25
chr4	10136993	10137041	-	2	48	1	1	6
chr4	10138493	10138568	-	3	75	5	1	9
chr4	10151754	10151823	At4g18372	3	69	0	1	9
chr4	10152513	10152616	-	4	103	4	4	10
chr4	10158470	10158545	At4g18380	3	75	2	0	17
chr4	10160051	10160125	-	3	74	2	0	15
chr4	10164921	10165101	At4g18390	6	180	4	7	27
chr4	10173989	10174054	At4g18410	3	65	0	2	17
chr4	10176469	10176535	-	3	66	4	6	3
chr4	10196984	10197053	-	3	69	4	2	11
chr4	10223759	10223825	-	3	66	1	0	16
chr4	10237278	10237331	-	2	53	0	0	1
chr4	10244315	10244460	At4g18600	5	145	6	10	13
chr4	10257824	10257899	At4g18630	3	75	3	2	14
chr4	10258341	10258416	At4g18630	3	75	6	7	7
chr4	10285835	10285890	-	2	55	1	2	3
chr4	10299154	10299240	At4g18710	3	86	0	2	16
chr4	10305085	10305161	At4g18750	3	76	3	6	11
chr4	10305844	10305919	At4g18750	3	75	2	3	20
chr4	10320635	10320743	At4g18800	4	108	4	3	12
chr4	10322652	10322715	At4g18810	3	63	2	7	11
chr4	10323557	10323635	At4g18810	3	78	0	2	15
chr4	10338515	10338621	At4g18830	4	106	1	3	15
chr4	10357221	10357295	At4g18900	3	74	1	4	9
chr4	10362395	10362499	At4g18905	4	104	1	4	11
chr4	10370084	10370125	At4g18920	2	41	0	2	4

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	10375203	10375342	-	5	139	13	6	7
chr4	10378358	10378430	At4g18950	3	72	1	2	8
chr4	10379936	10380071	-	4	135	3	4	14
chr4	10391196	10391267	-	3	71	1	1	18
chr4	10407677	10407829	At4g19003	5	152	3	5	13
chr4	10408020	10408135	At4g19003	4	115	5	5	8
chr4	10418821	10418918	At4g19020	4	97	1	1	19
chr4	10422063	10422168	At4g19030	4	105	5	6	7
chr4	10422350	10422414	At4g19030	3	64	7	4	6
chr4	10438234	10438308	At4g19050	3	74	1	2	12
chr4	10440127	10440202	At4g19050	3	75	0	6	15
chr4	10445642	10445718	At4g19060	3	76	0	3	6
chr4	10450563	10450672	At4g19090	4	109	1	4	16
chr4	10456548	10456656	At4g19110	4	108	1	6	9
chr4	10459724	10459812	-	3	88	5	6	7
chr4	10480082	10480187	At4g19160	4	105	1	5	14
chr4	10483389	10483460	At4g19170	3	71	4	5	19
chr4	10485738	10485900	At4g19180	5	162	4	8	12
chr4	10486657	10486764	At4g19180	4	107	0	4	13
chr4	10488763	10488879	-	4	116	3	2	12
chr4	10491112	10491218	At4g19185	4	106	2	2	11
chr4	10566076	10566225	-	5	149	1	2	18
chr4	10569157	10569198	At4g19380	2	41	2	3	3
chr4	10574596	10574643	-	2	47	1	2	3
chr4	10579457	10579657	-	6	200	3	3	34
chr4	10590692	10590733	-	2	41	0	0	5
chr4	10610515	10610591	At4g19460	3	76	6	7	0
chr4	10616334	10616399	At4g19490	3	65	2	4	17
chr4	10621830	10621905	At4g19490	3	75	1	4	14
chr4	10640056	10640097	-	2	41	1	1	8
chr4	10640637	10640678	At4g19515	2	41	2	3	3
chr4	10646824	10646967	At4g19520	5	143	7	6	10
chr4	10654912	10655051	At4g19530	5	139	2	6	19
chr4	10668941	10669120	At4g19580	6	179	5	10	17
chr4	10669218	10669286	At4g19580	3	68	2	6	13
chr4	10670655	10670771	-	4	116	2	1	19
chr4	10671116	10671263	-	5	147	2	2	32
chr4	10672137	10672283	At4g19590	5	146	0	5	32
chr4	10680421	10680470	At4g19610	2	49	0	2	3
chr4	10681279	10681419	At4g19610	5	140	3	5	20
chr4	10682552	10682694	At4g19620	5	142	1	4	14
chr4	10688430	10688539	At4g19640	4	109	1	6	9
chr4	10692539	10692607	At4g19650	3	68	0	1	9
chr4	10694670	10694810	At4g19650	5	140	4	5	26
chr4	10697969	10698046	At4g19660	3	77	0	2	8
chr4	10703622	10703735	At4g19680	4	113	6	5	14
chr4	10707854	10707929	At4g19690	3	75	5	4	13
chr4	10749419	10749496	-	3	77	1	3	7
chr4	10760319	10760436	-	4	117	2	1	20
chr4	10767026	10767127	-	4	101	1	1	19

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	10768664	10768705	-	2	41	3	0	6
chr4	10769271	10769417	-	5	146	1	3	25
chr4	10771616	10771795	-	6	179	0	1	22
chr4	10775441	10775588	At4g19840	5	147	7	4	30
chr4	10786175	10786281	At4g19880	4	106	1	2	14
chr4	10791633	10791704	-	3	71	2	4	6
chr4	10796193	10796352	At4g19910	5	159	1	6	5
chr4	10810214	10810286	At4g19950	3	72	7	5	4
chr4	10814500	10814568	At4g19960	3	68	2	3	16
chr4	10817073	10817141	-	3	68	2	2	9
chr4	10834416	10834490	At4g19990	3	74	3	2	14
chr4	10842373	10842476	At4g20010	4	103	9	7	13
chr4	10845210	10845391	At4g20020	6	181	2	7	19
chr4	10850553	10850695	At4g20050	5	142	8	6	13
chr4	10855203	10855271	At4g20060	3	68	2	5	10
chr4	10857650	10857798	At4g20060	5	148	1	5	21
chr4	10858223	10858294	At4g20060	3	71	1	6	6
chr4	10866904	10867004	At4g20080	4	100	5	2	16
chr4	10869347	10869530	At4g20090	6	183	3	3	17
chr4	10872751	10872831	At4g20095	3	80	1	1	12
chr4	10885506	10885613	At4g20140	4	107	3	6	22
chr4	10889575	10889731	At4g20150	5	156	4	5	22
chr4	10893317	10893391	At4g20160	3	74	2	3	15
chr4	10907495	10907600	At4g20190	4	105	9	6	11
chr4	10910739	10910812	At4g20200	3	73	2	1	12
chr4	10936654	10936794	-	4	140	3	1	13
chr4	10949634	10949747	-	4	113	2	2	13
chr4	10951072	10951215	At4g20270	5	143	6	8	18
chr4	10962234	10962371	At4g20310	5	137	5	10	19
chr4	10991836	10991913	-	3	77	2	3	13
chr4	11007809	11007913	At4g20390	4	104	7	5	7
chr4	11019271	11019341	At4g20430	3	70	3	3	14
chr4	11029850	11030109	At4g20460	8	259	6	8	21
chr4	11110827	11110892	-	2	65	3	5	3
chr4	11125212	11125286	-	3	74	0	1	12
chr4	11127858	11127960	At4g20740	4	102	2	4	15
chr4	11128476	11128651	-	6	175	4	5	32
chr4	11135624	11135761	At4g20790	5	137	3	5	15
chr4	11136197	11136309	At4g20790	4	112	6	5	18
chr4	11136809	11136879	-	3	70	2	0	9
chr4	11143412	11143485	At4g20810	3	73	2	1	12
chr4	11156474	11156516	At4g20830	2	42	1	1	14
chr4	11156904	11157048	At4g20830	5	144	7	7	27
chr4	11158136	11158273	At4g20840	5	137	11	6	10
chr4	11166007	11166078	At4g20850	3	71	0	3	15
chr4	11172173	11172242	-	3	69	0	0	11
chr4	11181958	11182027	-	3	69	2	3	7
chr4	11193858	11193961	At4g20920	4	103	1	5	23
chr4	11195245	11195393	At4g20920	5	148	2	4	19
chr4	11202619	11202724	-	4	105	1	4	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	11212852	11212925	At4g20960	3	73	2	3	12
chr4	11215748	11215817	At4g20970	3	69	2	2	13
chr4	11227128	11227197	At4g21010	3	69	0	3	12
chr4	11271988	11272132	At4g21120	5	144	1	1	19
chr4	11278655	11278766	At4g21150	4	111	6	13	11
chr4	11280912	11281016	At4g21150	4	104	0	2	15
chr4	11292341	11292408	At4g21180	3	67	1	4	5
chr4	11293979	11294045	At4g21190	3	66	3	5	8
chr4	11297160	11297239	-	3	79	4	2	7
chr4	11309306	11309379	-	3	73	1	2	12
chr4	11313198	11313315	At4g21215	4	117	0	2	20
chr4	11330116	11330216	At4g21270	3	100	2	2	15
chr4	11336964	11337114	At4g21300	5	150	3	2	30
chr4	11344755	11344827	At4g21323	3	72	2	6	7
chr4	11355302	11355429	-	4	127	2	4	13
chr4	11356600	11356671	At4g21350	3	71	2	5	10
chr4	11356956	11357065	At4g21350	4	109	5	0	25
chr4	11379571	11379710	At4g21363	5	139	3	0	22
chr4	11387650	11387691	-	2	41	0	2	5
chr4	11452878	11452991	At4g21530	4	113	3	6	14
chr4	11455110	11455183	At4g21540	3	73	1	3	12
chr4	11472072	11472176	At4g21570	4	104	3	3	17
chr4	11491284	11491361	-	3	77	1	2	13
chr4	11493060	11493272	At4g21630	7	212	2	11	28
chr4	11499604	11499719	At4g21640	4	115	4	3	24
chr4	11501104	11501212	-	4	108	0	1	15
chr4	11503124	11503236	At4g21650	4	112	6	2	11
chr4	11508765	11508872	At4g21660	4	107	1	6	7
chr4	11520204	11520307	-	4	103	2	5	18
chr4	11524199	11524270	-	3	71	1	2	10
chr4	11525732	11525839	-	4	107	5	6	7
chr4	11532625	11532699	At4g21700	3	74	2	4	8
chr4	11533270	11533444	At4g21705	6	174	4	7	14
chr4	11536294	11536437	At4g21710	5	143	2	4	19
chr4	11540965	11541218	At4g21710	8	253	3	14	26
chr4	11547031	11547100	-	3	69	2	1	12
chr4	11560010	11560079	At4g21750	3	69	1	5	23
chr4	11563881	11563959	At4g21760	3	78	0	1	8
chr4	11565403	11565548	At4g21770	5	145	2	7	12
chr4	11566207	11566270	At4g21770	3	63	2	1	20
chr4	11573429	11573577	At4g21800	5	148	2	3	22
chr4	11590861	11590937	-	3	76	2	2	12
chr4	11602054	11602130	At4g21865	3	76	3	2	11
chr4	11621800	11622066	At4g21900	8	266	13	12	16
chr4	11624444	11624516	-	3	72	0	0	14
chr4	11626278	11626383	At4g21910	4	105	3	6	8
chr4	11628712	11628753	At4g21910	2	41	3	0	6
chr4	11630005	11630075	At4g21910	3	70	3	0	11
chr4	11643246	11643388	At4g21940	5	142	1	3	22
chr4	11647311	11647383	At4g21960	3	72	1	2	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	11648446	11648602	-	5	156	2	3	17
chr4	11657127	11657198	At4g21990	3	71	1	1	8
chr4	11664742	11664886	At4g22010	5	144	3	5	20
chr4	11665387	11665462	At4g22010	3	75	5	2	5
chr4	11669272	11669347	-	3	75	1	0	17
chr4	11671465	11671569	-	4	104	2	4	20
chr4	11677296	11677367	-	2	71	1	4	10
chr4	11684349	11684390	At4g22050	2	41	0	1	10
chr4	11693020	11693063	At4g22070	2	43	2	0	2
chr4	11696563	11696610	-	2	47	0	1	3
chr4	11704807	11704880	At4g22090	3	73	0	3	14
chr4	11739718	11739789	At4g22180	3	71	1	2	12
chr4	11742516	11742590	At4g22190	3	74	8	8	9
chr4	11762581	11762656	At4g22230	3	75	2	5	20
chr4	11764339	11764441	At4g22235	4	102	2	2	14
chr4	11782471	11782543	At4g22290	3	72	1	0	9
chr4	11791539	11791658	At4g22310	4	119	3	0	13
chr4	11797925	11798000	At4g22330	3	75	0	0	17
chr4	11850051	11850121	At4g22490	3	70	4	6	14
chr4	11855274	11855341	At4g22510	3	67	2	1	10
chr4	11889607	11889714	At4g22580	4	107	12	9	6
chr4	11893847	11893923	At4g22590	3	76	2	2	12
chr4	11902185	11902333	At4g22610	5	148	5	7	17
chr4	11911056	11911127	-	3	71	2	0	8
chr4	11913710	11913853	At4g22650	5	143	5	6	15
chr4	11916752	11916824	-	3	72	1	4	10
chr4	11918245	11918317	At4g22670	3	72	2	0	8
chr4	11918544	11918585	At4g22670	2	41	0	2	10
chr4	11929061	11929109	-	2	48	2	1	2
chr4	11937544	11937651	At4g22720	4	107	3	3	13
chr4	11954132	11954275	-	5	143	5	0	18
chr4	11958704	11958778	At4g22760	3	74	9	4	11
chr4	11977306	11977382	-	3	76	1	0	12
chr4	11985351	11985423	At4g22810	3	72	2	4	6
chr4	11990175	11990249	At4g22830	3	74	1	0	10
chr4	11991628	11991699	At4g22840	3	71	0	1	12
chr4	11994695	11994762	At4g22850	3	67	0	0	16
chr4	11998872	11999026	At4g22860	5	154	1	4	23
chr4	12001312	12001385	At4g22860	3	73	2	3	8
chr4	12004899	12005077	At4g22880	6	178	5	9	16
chr4	12006375	12006523	-	5	148	7	3	20
chr4	12007832	12007941	At4g22890	4	109	2	0	17
chr4	12018027	12018095	At4g22920	3	68	3	3	5
chr4	12031081	12031180	At4g22960	4	99	2	4	26
chr4	12035531	12035634	At4g22970	4	103	0	3	20
chr4	12048478	12048750	At4g22990	9	272	6	9	38
chr4	12051232	12051338	At4g22990	4	106	1	3	18
chr4	12058930	12059002	At4g23000	3	72	2	5	8
chr4	12059455	12059565	At4g23000	4	110	6	7	12
chr4	12060256	12060472	At4g23010	7	216	6	7	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	12061226	12061297	At4g23010	3	71	3	4	9
chr4	12065918	12065985	-	3	67	1	2	8
chr4	12072542	12072697	-	5	155	4	6	11
chr4	12083777	12083818	At4g23050	2	41	3	0	6
chr4	12111273	12111376	At4g23110	4	103	2	5	16
chr4	12118370	12118432	At4g23130	3	62	4	4	7
chr4	12119389	12119469	At4g23130	3	80	3	4	9
chr4	12129528	12129714	At4g23160	6	186	2	5	10
chr4	12129929	12130035	At4g23160	4	106	3	6	13
chr4	12135365	12135406	At4g23170	2	41	2	4	1
chr4	12139460	12139573	At4g23180	4	113	1	3	23
chr4	12140570	12140640	At4g23180	3	70	5	6	9
chr4	12151184	12151360	At4g23210	6	176	8	5	30
chr4	12162494	12162607	At4g23250	4	113	4	6	7
chr4	12164440	12164657	At4g23250	7	217	4	10	33
chr4	12168124	12168190	At4g23260	3	66	0	1	8
chr4	12172923	12173025	At4g23270	4	102	2	3	17
chr4	12180369	12180445	At4g23290	3	76	4	2	13
chr4	12184727	12184877	-	5	150	4	4	17
chr4	12185509	12185588	-	3	79	4	2	11
chr4	12186907	12186979	At4g23310	3	72	2	5	9
chr4	12187709	12187782	At4g23310	3	73	1	3	15
chr4	12188537	12188639	At4g23310	4	102	6	3	15
chr4	12191909	12191977	-	3	68	0	1	11
chr4	12203460	12203533	At4g23360	3	73	2	2	14
chr4	12211764	12211872	At4g23370	4	108	2	2	16
chr4	12227263	12227329	At4g23420	3	66	2	4	9
chr4	12228776	12228849	-	3	73	1	2	9
chr4	12244874	12244949	At4g23460	3	75	2	4	11
chr4	12245273	12245482	At4g23460	7	209	8	16	23
chr4	12249209	12249319	At4g23470	4	110	6	4	13
chr4	12266606	12266711	At4g23500	4	105	6	6	17
chr4	12270637	12270678	-	2	41	0	0	8
chr4	12272361	12272432	At4g23515	3	71	3	3	7
chr4	12292083	12292150	At4g23550	3	67	3	4	8
chr4	12300519	12300625	At4g23570	4	106	0	2	20
chr4	12309344	12309488	At4g23590	5	144	4	1	19
chr4	12310603	12310706	-	4	103	5	3	12
chr4	12312215	12312331	At4g23600	4	116	1	3	18
chr4	12331173	12331250	At4g23660	3	77	0	2	12
chr4	12341172	12341245	-	3	73	2	2	17
chr4	12346066	12346137	-	3	71	4	5	11
chr4	12351418	12351520	At4g23710	4	102	3	3	15
chr4	12359382	12359567	At4g23720	6	185	6	4	42
chr4	12366873	12367018	At4g23740	4	145	0	4	8
chr4	12374435	12374574	-	5	139	4	3	17
chr4	12383885	12384025	At4g23770	5	140	3	4	15
chr4	12385742	12385846	-	4	104	0	2	22
chr4	12386356	12386433	-	3	77	1	1	7
chr4	12397128	12397350	At4g23820	7	222	5	8	25

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	12405098	12405169	At4g23850	3	71	1	4	13
chr4	12406490	12406568	At4g23850	3	78	2	4	8
chr4	12410368	12410477	At4g23860	4	109	4	5	16
chr4	12411175	12411281	At4g23860	4	106	2	3	16
chr4	12435581	12435648	-	2	67	1	0	8
chr4	12440964	12441035	At4g23940	3	71	2	4	11
chr4	12447330	12447511	-	6	181	3	3	18
chr4	12451910	12451980	At4g23980	3	70	5	1	8
chr4	12453586	12453664	At4g23980	3	78	3	5	9
chr4	12463768	12463837	At4g24000	3	69	3	4	6
chr4	12464053	12464164	At4g24000	4	111	3	4	19
chr4	12464670	12464747	At4g24000	3	77	4	4	11
chr4	12465880	12465952	-	3	72	3	2	10
chr4	12474083	12474196	-	4	113	2	8	15
chr4	12475074	12475223	-	5	149	5	5	12
chr4	12477721	12477839	-	4	118	1	2	13
chr4	12480433	12480505	At4g24020	3	72	3	3	8
chr4	12483215	12483465	At4g24020	8	250	5	13	23
chr4	12495190	12495257	-	3	67	1	1	16
chr4	12501820	12501957	-	5	137	4	7	9
chr4	12504688	12504867	At4g24060	6	179	4	8	14
chr4	12505721	12505789	-	3	68	1	1	14
chr4	12510348	12510425	-	3	77	1	0	7
chr4	12517417	12517497	At4g24100	3	80	1	2	10
chr4	12533552	12533627	At4g24140	3	75	3	6	8
chr4	12537885	12537996	At4g24150	4	111	2	11	11
chr4	12545305	12545375	At4g24170	3	70	0	2	16
chr4	12545768	12545918	At4g24170	5	150	1	8	21
chr4	12550885	12551002	At4g24180	4	117	8	10	17
chr4	12563854	12564003	At4g24210	5	149	7	13	14
chr4	12575104	12575173	At4g24250	3	69	2	3	7
chr4	12575964	12576037	At4g24250	3	73	0	2	12
chr4	12577414	12577549	At4g24250	5	135	3	5	22
chr4	12579254	12579382	At4g24260	4	128	5	7	6
chr4	12585828	12586155	At4g24270	10	327	5	10	25
chr4	12618079	12618183	At4g24400	4	104	1	6	14
chr4	12619237	12619350	At4g24400	4	113	2	5	12
chr4	12624993	12625066	-	3	73	1	5	9
chr4	12632733	12632840	At4g24430	4	107	3	2	21
chr4	12644110	12644397	At4g24460	9	287	4	13	36
chr4	12646761	12646808	At4g24470	2	47	0	1	9
chr4	12655044	12655127	-	3	83	1	0	14
chr4	12665355	12665573	At4g24520	7	218	3	7	25
chr4	12669619	12669723	At4g24530	4	104	4	6	15
chr4	12685796	12685876	-	3	80	1	2	9
chr4	12687140	12687211	At4g24570	3	71	8	5	13
chr4	12688915	12688994	At4g24580	3	79	1	2	11
chr4	12700205	12700274	At4g24600	3	69	1	2	10
chr4	12700700	12700806	At4g24610	4	106	1	2	15
chr4	12703982	12704231	At4g24610	8	249	3	10	30

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	12710996	12711072	At4g24620	3	76	2	5	13
chr4	12724999	12725111	At4g24660	4	112	9	12	12
chr4	12726186	12726301	-	4	115	7	9	3
chr4	12736156	12736309	At4g24680	5	153	3	5	19
chr4	12753324	12753400	At4g24730	3	76	3	4	14
chr4	12757257	12757321	At4g24740	3	64	0	3	3
chr4	12766807	12766877	At4g24770	3	70	1	2	10
chr4	12773723	12773801	-	3	78	0	2	11
chr4	12775555	12775630	-	3	75	1	1	14
chr4	12778023	12778089	-	3	66	0	3	9
chr4	12781083	12781162	-	3	79	0	4	17
chr4	12787053	12787128	At4g24810	3	75	1	5	6
chr4	12790179	12790327	At4g24820	5	148	2	2	19
chr4	12796766	12796838	At4g24840	3	72	2	5	5
chr4	12799683	12799754	At4g24840	3	71	0	1	6
chr4	12802745	12802856	At4g24860	4	111	3	5	16
chr4	12807208	12807348	At4g24860	5	140	2	3	14
chr4	12813867	12813982	At4g24890	4	115	1	4	13
chr4	12815388	12815462	At4g24900	3	74	4	2	10
chr4	12821518	12821627	At4g24930	4	109	1	2	21
chr4	12825257	12825371	At4g24940	4	114	3	7	15
chr4	12839549	12839625	At4g24972	3	76	4	1	11
chr4	12841633	12841710	-	3	77	1	0	10
chr4	12842571	12842651	-	3	80	0	0	9
chr4	12849804	12849877	At4g24990	3	73	0	1	12
chr4	12849965	12850108	At4g24990	5	143	1	4	13
chr4	12850325	12850367	At4g24990	2	42	0	0	5
chr4	12850734	12850807	At4g24990	3	73	0	3	10
chr4	12860889	12860930	At4g25020	2	41	1	2	2
chr4	12865595	12865745	At4g25030	5	150	3	9	22
chr4	12873598	12873647	At4g25070	2	49	1	2	8
chr4	12879585	12879687	At4g25090	4	102	4	3	15
chr4	12880642	12880713	At4g25090	3	71	1	2	7
chr4	12905807	12905916	At4g25160	4	109	4	9	10
chr4	12906464	12906571	At4g25160	4	107	2	3	17
chr4	12909812	12909881	At4g25170	3	69	11	6	8
chr4	12922857	12922971	At4g25220	4	114	1	4	10
chr4	12940937	12941111	-	6	174	13	6	16
chr4	12941802	12941876	At4g25290	3	74	3	4	14
chr4	12945790	12945857	At4g25300	3	67	2	3	16
chr4	12950329	12950446	At4g25310	4	117	1	3	8
chr4	12954362	12954546	At4g25320	6	184	3	5	24
chr4	12956756	12956846	-	3	90	1	1	17
chr4	12965475	12965591	At4g25350	4	116	1	2	15
chr4	12973402	12973506	At4g25370	4	104	0	4	21
chr4	12975004	12975116	-	4	112	3	4	11
chr4	12977562	12977843	At4g25390	9	281	26	20	18
chr4	12992832	12992904	-	3	72	1	1	10
chr4	12996489	12996597	-	4	108	0	1	23
chr4	12998812	12998953	At4g25430	5	141	1	6	22

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	13000048	13000260	At4g25430	7	212	12	11	26
chr4	13003969	13004039	-	3	70	2	2	11
chr4	13004430	13004504	At4g25434	3	74	2	3	13
chr4	13008227	13008336	At4g25440	4	109	1	3	16
chr4	13021274	13021384	-	4	110	7	5	20
chr4	13028133	13028350	-	7	217	6	14	22
chr4	13032641	13032718	At4g25520	3	77	2	8	9
chr4	13040187	13040260	At4g25530	3	73	2	3	10
chr4	13046353	13046460	At4g25540	4	107	2	6	17
chr4	13048769	13048843	At4g25550	3	74	2	3	8
chr4	13052982	13053054	At4g25560	3	72	2	3	16
chr4	13055188	13055257	At4g25570	3	69	0	2	7
chr4	13059119	13059189	-	3	70	3	3	15
chr4	13080719	13080823	-	4	104	5	5	9
chr4	13084569	13084638	At4g25660	3	69	3	7	10
chr4	13090397	13090469	At4g25690	3	72	4	5	7
chr4	13094329	13094441	At4g25700	4	112	1	2	10
chr4	13094536	13094640	At4g25700	4	104	9	5	17
chr4	13102482	13102548	At4g25720	3	66	3	5	8
chr4	13123111	13123187	At4g25790	3	76	3	6	30
chr4	13127569	13127712	At4g25800	5	143	2	8	30
chr4	13128736	13128849	At4g25810	4	113	6	5	11
chr4	13130021	13130132	-	4	111	0	0	12
chr4	13133646	13133708	At4g25830	3	62	2	3	12
chr4	13135773	13135845	-	3	72	1	2	7
chr4	13138627	13138692	-	3	65	0	1	6
chr4	13139068	13139316	At4g25840	8	248	16	13	18
chr4	13139587	13139664	At4g25840	3	77	1	3	16
chr4	13149253	13149294	At4g25860	2	41	2	1	8
chr4	13154167	13154208	-	2	41	1	0	12
chr4	13161706	13161781	At4g25900	3	75	0	2	15
chr4	13166804	13166903	At4g25920	4	99	2	3	10
chr4	13171266	13171371	At4g25940	4	105	1	4	16
chr4	13172133	13172174	At4g25940	2	41	1	0	7
chr4	13174183	13174290	At4g25950	4	107	3	8	11
chr4	13176178	13176283	-	4	105	1	1	17
chr4	13177611	13177752	At4g25960	5	141	6	6	17
chr4	13179772	13179837	At4g25960	3	65	4	3	4
chr4	13192830	13192938	At4g25990	4	108	9	11	7
chr4	13202110	13202182	At4g26020	3	72	1	2	13
chr4	13210651	13210727	At4g26050	3	76	5	5	18
chr4	13229175	13229285	At4g26100	4	110	2	4	15
chr4	13239803	13239875	-	3	72	1	0	12
chr4	13247091	13247160	At4g26140	3	69	1	2	8
chr4	13248900	13249012	-	4	112	5	2	9
chr4	13251565	13251665	-	4	100	1	3	13
chr4	13255554	13255629	At4g26160	3	75	2	1	14
chr4	13256912	13256974	-	3	62	2	2	9
chr4	13258930	13259251	At4g26170	10	321	8	12	41
chr4	13259659	13259738	-	3	79	1	1	6

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	13260935	13261041	At4g26180	4	106	2	4	17
chr4	13261352	13261425	At4g26180	3	73	2	3	8
chr4	13261750	13261820	At4g26180	3	70	7	6	10
chr4	13264861	13264902	At4g26190	2	41	3	4	1
chr4	13276691	13276831	At4g26200	5	140	4	5	24
chr4	13288103	13288170	At4g26240	3	67	3	2	12
chr4	13289734	13289804	At4g26250	3	70	2	3	16
chr4	13302004	13302078	At4g26270	3	74	1	2	9
chr4	13302685	13302793	At4g26270	4	108	4	1	18
chr4	13307606	13307671	At4g26290	3	65	3	1	13
chr4	13320490	13320568	At4g26330	3	78	1	4	7
chr4	13321324	13321399	At4g26330	3	75	7	4	14
chr4	13325653	13325901	-	8	248	5	8	20
chr4	13327376	13327481	At4g26350	4	105	3	5	17
chr4	13333498	13333571	-	3	73	6	2	10
chr4	13335563	13335631	At4g26370	3	68	1	2	18
chr4	13344129	13344233	At4g26390	4	104	4	6	21
chr4	13346825	13346930	At4g26410	4	105	7	9	18
chr4	13347571	13347643	At4g26410	3	72	1	5	9
chr4	13351458	13351602	At4g26420	5	144	6	4	8
chr4	13357220	13357297	At4g26430	3	77	3	4	9
chr4	13358783	13358886	At4g26440	4	103	6	7	12
chr4	13379679	13379738	-	2	59	0	0	5
chr4	13382842	13382914	At4g26500	3	72	2	6	7
chr4	13401335	13401512	-	6	177	2	3	23
chr4	13406333	13406481	-	5	148	7	4	15
chr4	13422792	13422857	At4g26600	3	65	1	2	12
chr4	13424744	13424813	At4g26610	3	69	1	2	6
chr4	13426911	13427060	At4g26610	5	149	4	7	24
chr4	13429557	13429634	At4g26620	3	77	4	4	12
chr4	13432505	13432574	At4g26630	3	69	1	4	5
chr4	13433793	13433865	At4g26630	3	72	2	3	9
chr4	13458499	13458567	At4g26690	3	68	3	3	12
chr4	13462585	13462764	-	6	179	5	1	18
chr4	13470017	13470122	-	4	105	1	7	14
chr4	13471178	13471322	At4g26720	5	144	2	6	11
chr4	13487191	13487308	-	4	117	3	2	11
chr4	13495526	13495695	At4g26830	6	169	15	13	9
chr4	13520480	13520556	At4g26910	3	76	2	4	10
chr4	13520992	13521067	At4g26910	3	75	2	3	6
chr4	13527974	13528051	At4g26930	3	77	4	4	10
chr4	13538410	13538488	-	3	78	1	2	10
chr4	13549537	13549649	At4g26980	4	112	0	3	10
chr4	13550106	13550291	At4g26980	6	185	2	11	17
chr4	13555900	13555972	At4g27000	3	72	1	3	5
chr4	13557270	13557335	At4g27000	3	65	2	5	6
chr4	13560849	13560926	At4g27010	3	77	2	3	12
chr4	13561214	13561287	At4g27010	3	73	1	7	14
chr4	13563853	13563928	At4g27010	3	75	1	2	12
chr4	13566664	13566773	At4g27010	4	109	1	2	18

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	13569795	13569900	At4g27020	4	105	2	2	12
chr4	13579806	13579879	-	3	73	1	5	11
chr4	13580432	13580590	-	5	158	2	5	20
chr4	13581641	13581713	At4g27060	3	72	4	7	9
chr4	13597250	13597401	At4g27100	5	151	3	6	19
chr4	13601204	13601308	At4g27110	4	104	8	5	11
chr4	13604609	13604714	At4g27130	4	105	4	3	13
chr4	13610776	13610895	-	4	119	3	6	18
chr4	13612472	13612584	At4g27160	4	112	5	4	14
chr4	13615766	13615907	At4g27180	5	141	4	8	15
chr4	13619865	13619947	-	3	82	0	0	10
chr4	13634663	13634775	At4g27220	4	112	3	4	23
chr4	13638549	13638716	-	5	167	3	3	21
chr4	13650839	13650915	-	3	76	0	1	11
chr4	13652194	13652318	-	4	124	2	1	17
chr4	13682062	13682177	-	4	115	0	3	19
chr4	13690231	13690380	At4g27340	5	149	3	6	30
chr4	13692318	13692390	At4g27350	3	72	5	4	5
chr4	13713366	13713438	At4g27420	3	72	1	2	11
chr4	13718998	13719243	At4g27430	8	245	5	9	30
chr4	13721358	13721435	At4g27430	3	77	3	4	10
chr4	13731392	13731499	-	4	107	2	1	13
chr4	13731833	13731936	-	4	103	2	3	16
chr4	13733067	13733141	At4g27460	3	74	2	2	9
chr4	13733438	13733613	At4g27460	6	175	9	8	11
chr4	13743561	13743629	At4g27500	3	68	1	3	17
chr4	13748439	13748513	At4g27510	3	74	1	3	10
chr4	13750898	13750998	At4g27520	4	100	4	6	28
chr4	13752202	13752314	-	4	112	4	3	12
chr4	13756398	13756541	At4g27550	5	143	3	1	24
chr4	13757341	13757449	At4g27550	4	108	1	1	17
chr4	13782924	13783031	At4g27600	4	107	4	7	12
chr4	13784240	13784347	At4g27600	4	107	3	8	15
chr4	13785906	13785980	At4g27610	3	74	2	8	6
chr4	13786585	13786693	At4g27610	4	108	1	4	14
chr4	13788617	13788729	-	4	112	1	3	8
chr4	13789114	13789263	At4g27620	5	149	2	4	8
chr4	13790355	13790424	At4g27620	3	69	0	2	14
chr4	13793217	13793288	At4g27630	3	71	3	4	8
chr4	13793913	13794026	At4g27630	4	113	2	4	17
chr4	13800252	13800427	At4g27640	6	175	3	9	12
chr4	13814331	13814437	-	4	106	2	3	14
chr4	13815242	13815284	-	2	42	0	2	7
chr4	13817420	13817510	At4g27660	3	90	0	3	4
chr4	13821034	13821110	-	3	76	5	3	7
chr4	13824826	13824905	At4g27690	3	79	0	2	12
chr4	13828090	13828133	-	2	43	2	2	7
chr4	13828575	13828652	At4g27710	3	77	2	1	11
chr4	13835214	13835291	At4g27730	3	77	1	2	17
chr4	13835822	13835896	At4g27730	3	74	2	3	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	13841931	13842004	At4g27750	3	73	5	6	3
chr4	13845106	13845291	At4g27760	6	185	1	10	27
chr4	13853244	13853349	At4g27800	4	105	3	5	9
chr4	13863763	13863820	At4g27830	2	57	0	2	10
chr4	13874336	13874448	At4g27860	4	112	0	5	14
chr4	13884122	13884196	At4g27880	3	74	2	3	16
chr4	13884743	13884817	At4g27880	3	74	3	5	13
chr4	13887097	13887170	At4g27890	3	73	0	2	16
chr4	13890380	13890457	-	3	77	1	2	7
chr4	13895199	13895272	At4g27910	3	73	3	1	18
chr4	13898956	13899092	At4g27910	5	136	3	7	15
chr4	13915132	13915205	-	3	73	1	0	9
chr4	13925544	13925649	At4g28000	4	105	5	6	23
chr4	13925824	13925896	At4g28000	3	72	3	5	7
chr4	13927205	13927347	At4g28000	5	142	3	7	20
chr4	13931880	13931951	At4g28010	3	71	1	4	16
chr4	13932170	13932243	At4g28010	3	73	2	4	10
chr4	13935023	13935124	At4g28020	4	101	4	1	12
chr4	13938369	13938440	At4g28030	3	71	0	3	10
chr4	13943379	13943453	At4g28050	3	74	6	5	19
chr4	13948115	13948222	At4g28070	4	107	1	7	15
chr4	13948403	13948444	At4g28070	2	41	1	6	8
chr4	13954290	13954365	At4g28080	3	75	2	5	9
chr4	13956992	13957064	At4g28080	3	72	3	5	11
chr4	13958420	13958541	-	4	121	0	1	16
chr4	13962060	13962125	At4g28090	3	65	0	2	5
chr4	13966061	13966180	At4g28100	4	119	5	7	14
chr4	13971359	13971429	-	3	70	1	1	7
chr4	13973259	13973586	At4g28130	10	327	5	7	33
chr4	13974147	13974188	At4g28130	2	41	0	1	13
chr4	13976075	13976186	-	4	111	6	1	9
chr4	13977627	13977696	At4g28150	3	69	0	1	17
chr4	13989843	13989952	At4g28200	4	109	2	4	12
chr4	13991528	13991681	At4g28210	5	153	3	8	25
chr4	13996075	13996148	At4g28220	3	73	6	4	9
chr4	14003827	14003932	-	4	105	1	5	10
chr4	14006241	14006389	At4g28260	5	148	1	6	33
chr4	14019106	14019212	At4g28320	4	106	6	4	16
chr4	14028320	14028392	At4g28350	3	72	4	3	22
chr4	14037610	14037683	At4g28370	3	73	0	5	4
chr4	14039343	14039419	At4g28370	3	76	0	4	13
chr4	14039760	14039826	At4g28370	3	66	1	4	19
chr4	14046027	14046097	-	3	70	4	2	14
chr4	14048477	14048583	At4g28400	4	106	1	6	15
chr4	14056981	14057054	At4g28420	3	73	1	4	13
chr4	14060955	14060996	At4g28440	2	41	0	2	12
chr4	14069829	14069896	At4g28470	3	67	1	4	6
chr4	14074647	14074792	At4g28480	5	145	2	5	26
chr4	14074904	14075055	At4g28480	5	151	4	7	19
chr4	14079018	14079085	At4g28490	3	67	5	6	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	14079645	14079755	At4g28490	4	110	8	6	5
chr4	14082023	14082064	-	2	41	0	1	3
chr4	14083673	14083825	At4g28500	5	152	10	8	16
chr4	14087542	14087651	-	4	109	3	3	5
chr4	14088878	14088946	At4g28520	3	68	5	3	11
chr4	14093945	14094012	At4g28530	3	67	3	2	6
chr4	14108618	14108694	At4g28540	3	76	0	1	17
chr4	14109676	14109751	At4g28540	3	75	3	3	5
chr4	14112866	14112976	At4g28550	4	110	0	4	18
chr4	14116536	14116581	At4g28560	2	45	3	4	7
chr4	14134433	14134582	At4g28610	5	149	4	6	16
chr4	14137442	14137544	At4g28620	4	102	4	3	21
chr4	14141694	14141765	-	3	71	3	5	3
chr4	14145059	14145164	At4g28650	4	105	7	9	8
chr4	14153785	14153851	At4g28670	3	66	2	3	12
chr4	14155218	14155438	-	7	220	8	13	21
chr4	14165318	14165393	-	3	75	0	0	12
chr4	14192809	14192879	At4g28720	3	70	7	3	9
chr4	14193499	14193571	At4g28720	3	72	4	5	13
chr4	14202277	14202355	At4g28740	3	78	3	4	9
chr4	14203259	14203374	At4g28750	4	115	1	0	12
chr4	14212151	14212221	At4g28770	3	70	1	6	11
chr4	14218359	14218424	At4g28790	3	65	2	2	6
chr4	14223014	14223081	At4g28800	3	67	3	3	9
chr4	14223759	14223903	At4g28800	5	144	3	12	7
chr4	14232038	14232258	At4g28820	7	220	4	2	29
chr4	14243927	14243992	-	3	65	3	3	7
chr4	14244256	14244406	-	5	150	7	0	19
chr4	14247664	14247755	At4g28860	3	91	0	1	15
chr4	14252455	14252531	At4g28880	3	76	3	4	4
chr4	14256215	14256288	-	3	73	1	2	4
chr4	14258718	14258815	-	4	97	5	6	12
chr4	14262022	14262127	At4g28900	4	105	1	4	23
chr4	14291577	14291618	At4g28990	2	41	2	1	9
chr4	14293022	14293088	At4g28990	3	66	1	4	11
chr4	14300524	14300672	At4g29010	5	148	3	6	18
chr4	14304546	14304732	-	6	186	3	3	10
chr4	14305808	14305873	-	3	65	2	1	9
chr4	14311228	14311456	-	7	228	3	2	28
chr4	14311828	14311896	-	3	68	0	1	12
chr4	14325231	14325421	-	6	190	1	1	31
chr4	14349032	14349073	At4g29110	2	41	4	5	6
chr4	14352640	14352787	At4g29130	5	147	1	5	25
chr4	14361747	14361816	-	3	69	0	1	13
chr4	14365354	14365428	-	3	74	3	0	8
chr4	14375460	14375538	-	3	78	2	0	12
chr4	14376692	14376836	-	5	144	9	3	20
chr4	14381051	14381159	At4g29160	4	108	5	4	10
chr4	14383297	14383447	At4g29170	5	150	6	7	16
chr4	14386730	14386771	At4g29180	2	41	2	2	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	14389791	14389909	-	4	118	2	5	8
chr4	14391508	14391619	-	4	111	5	5	12
chr4	14401517	14401586	At4g29210	3	69	1	5	13
chr4	14404556	14404661	At4g29220	4	105	3	5	13
chr4	14409712	14409759	-	2	47	1	2	8
chr4	14411461	14411534	At4g29230	3	73	5	4	15
chr4	14432530	14432587	-	2	57	0	0	7
chr4	14439467	14439535	At4g29310	3	68	7	6	13
chr4	14447036	14447156	At4g29330	4	120	0	2	16
chr4	14472299	14472372	-	3	73	4	2	10
chr4	14476817	14476889	At4g29440	3	72	4	4	7
chr4	14488787	14488852	At4g29490	3	65	0	4	4
chr4	14495203	14495420	At4g29520	7	217	3	6	15
chr4	14500327	14500398	-	3	71	3	5	7
chr4	14542202	14542279	At4g29690	3	77	5	9	7
chr4	14560349	14560574	At4g29730	7	225	2	9	29
chr4	14586292	14586437	At4g29790	5	145	7	8	18
chr4	14587871	14587974	At4g29790	4	103	2	2	14
chr4	14595742	14595814	At4g29820	3	72	1	0	7
chr4	14598136	14598204	At4g29830	3	68	2	1	15
chr4	14600278	14600426	At4g29840	5	148	6	11	12
chr4	14609591	14609689	At4g29890	4	98	1	2	25
chr4	14609944	14610202	At4g29890	8	258	3	9	30
chr4	14623829	14623901	-	3	72	3	2	6
chr4	14627936	14628161	-	7	225	3	5	18
chr4	14635186	14635404	At4g29920	7	218	2	4	40
chr4	14639232	14639299	-	3	67	1	2	13
chr4	14643875	14643977	-	4	102	3	6	11
chr4	14647152	14647193	At4g29930	2	41	2	2	3
chr4	14663913	14663986	At4g29970	3	73	2	1	8
chr4	14669372	14669553	At4g29990	6	181	5	4	20
chr4	14670943	14671020	At4g30000	3	77	0	4	7
chr4	14674364	14674434	-	3	70	1	1	7
chr4	14674642	14674751	-	4	109	4	1	16
chr4	14675329	14675442	-	3	113	2	3	9
chr4	14711357	14711434	At4g30090	3	77	1	2	14
chr4	14716696	14716771	At4g30100	3	75	1	1	14
chr4	14717099	14717173	At4g30100	3	74	2	4	11
chr4	14731755	14731823	At4g30120	3	68	1	3	9
chr4	14736197	14736301	At4g30130	4	104	2	6	22
chr4	14746968	14747079	At4g30150	4	111	1	3	16
chr4	14768478	14768545	-	3	67	0	1	23
chr4	14771982	14772193	At4g30190	7	211	4	9	26
chr4	14774499	14774570	At4g30190	3	71	2	6	13
chr4	14785083	14785158	-	3	75	4	2	6
chr4	14785803	14785910	-	4	107	0	2	16
chr4	14788116	14788224	At4g30200	4	108	2	6	15
chr4	14790083	14790156	At4g30200	3	73	2	2	10
chr4	14811607	14811652	At4g30250	2	45	0	1	3
chr4	14829209	14829322	At4g30290	4	113	4	3	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	14832877	14833131	At4g30310	8	254	2	6	40
chr4	14836088	14836165	At4g30320	3	77	3	4	15
chr4	14836542	14836650	-	4	108	1	1	14
chr4	14838868	14838939	At4g30340	3	71	0	2	12
chr4	14840659	14840774	At4g30340	4	115	7	5	10
chr4	14842567	14842636	-	3	69	5	1	7
chr4	14850596	14850734	At4g30350	5	138	7	6	18
chr4	14852364	14852459	-	3	95	3	1	11
chr4	14855832	14855943	At4g30360	4	111	5	2	12
chr4	14890248	14890324	-	3	76	2	2	11
chr4	14894803	14894910	At4g30470	4	107	1	2	29
chr4	14896926	14896992	-	3	66	0	0	10
chr4	14938173	14938282	At4g30600	4	109	3	8	11
chr4	14939887	14940040	At4g30600	5	153	1	5	9
chr4	14940801	14940878	At4g30600	3	77	4	2	7
chr4	14951502	14951577	At4g30630	3	75	2	1	14
chr4	14952650	14952719	-	3	69	7	4	11
chr4	14955280	14955359	-	3	79	6	4	7
chr4	14959819	14959932	At4g30680	4	113	2	3	16
chr4	14960220	14960359	-	5	139	5	5	18
chr4	14961850	14961920	At4g30690	3	70	3	4	14
chr4	14967383	14967493	At4g30710	4	110	4	7	13
chr4	14973173	14973313	At4g30720	5	140	1	8	20
chr4	14995174	14995318	At4g30790	5	144	0	4	15
chr4	14996881	14996946	At4g30790	3	65	1	3	7
chr4	15002962	15003035	-	3	73	5	1	10
chr4	15008282	15008454	At4g30820	6	172	5	4	35
chr4	15011248	15011424	At4g30825	6	176	4	9	28
chr4	15015419	15015523	At4g30830	4	104	0	2	10
chr4	15024816	15024895	At4g30860	3	79	1	2	20
chr4	15025804	15025880	At4g30860	3	76	1	3	9
chr4	15037683	15037789	At4g30890	4	106	3	5	15
chr4	15038925	15038995	At4g30890	3	70	4	3	13
chr4	15040971	15041040	At4g30900	3	69	0	3	15
chr4	15050916	15051026	At4g30930	4	110	2	0	19
chr4	15052001	15052116	At4g30935	4	115	5	8	12
chr4	15053786	15053866	At4g30935	3	80	5	5	3
chr4	15055716	15055894	At4g30940	6	178	1	5	36
chr4	15076739	15076849	-	4	110	0	3	16
chr4	15082123	15082202	-	3	79	0	1	9
chr4	15085918	15086026	At4g30990	4	108	1	3	19
chr4	15088984	15089057	At4g30990	3	73	1	4	12
chr4	15101591	15101756	At4g30996	5	165	4	3	16
chr4	15111020	15111169	-	5	149	2	5	18
chr4	15111888	15111955	At4g31040	3	67	2	4	12
chr4	15118962	15119031	At4g31070	3	69	2	3	10
chr4	15120424	15120603	At4g31070	6	179	7	7	16
chr4	15137641	15137716	At4g31130	3	75	0	6	13
chr4	15141630	15141700	At4g31140	3	70	4	2	16
chr4	15144934	15145012	At4g31150	3	78	0	1	15

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	15150471	15150543	At4g31160	3	72	1	5	10
chr4	15151112	15151187	At4g31160	3	75	2	7	5
chr4	15164612	15164653	At4g31200	2	41	1	1	8
chr4	15178738	15178805	At4g31240	3	67	0	0	10
chr4	15179603	15179678	At4g31250	3	75	2	5	10
chr4	15182564	15182667	-	4	103	5	6	16
chr4	15183146	15183218	-	3	72	1	5	11
chr4	15188568	15188792	-	7	224	4	3	40
chr4	15190658	15190884	At4g31300	7	226	6	10	27
chr4	15211873	15211943	At4g31350	3	70	4	2	14
chr4	15215866	15215973	At4g31350	4	107	4	2	18
chr4	15216322	15216529	At4g31350	7	207	8	6	19
chr4	15231409	15231557	-	5	148	7	0	16
chr4	15250619	15250768	At4g31430	5	149	3	7	13
chr4	15251095	15251205	At4g31430	4	110	1	2	17
chr4	15252460	15252576	At4g31430	4	116	2	2	15
chr4	15254475	15254538	At4g31440	3	63	1	6	15
chr4	15255355	15255455	-	4	100	0	4	11
chr4	15256808	15256982	At4g31450	6	174	6	8	17
chr4	15260041	15260189	At4g31460	5	148	7	7	17
chr4	15275793	15275861	-	2	68	1	2	4
chr4	15283815	15284029	At4g31530	7	214	2	5	33
chr4	15303498	15303573	At4g31570	3	75	1	3	13
chr4	15315449	15315518	At4g31600	3	69	2	1	14
chr4	15317967	15318066	At4g31610	4	99	7	8	16
chr4	15323529	15323587	At4g31620	2	58	2	1	7
chr4	15326014	15326079	At4g31630	2	65	1	1	5
chr4	15335618	15335688	-	3	70	0	0	15
chr4	15337906	15338014	At4g31670	4	108	0	5	13
chr4	15344131	15344269	At4g31690	5	138	5	4	16
chr4	15349998	15350110	At4g31710	4	112	2	2	16
chr4	15359781	15359896	-	4	115	5	2	9
chr4	15360038	15360107	-	3	69	1	1	13
chr4	15364486	15364527	At4g31750	2	41	2	1	4
chr4	15367132	15367234	At4g31750	4	102	2	6	12
chr4	15368261	15368519	-	8	258	10	9	14
chr4	15384954	15385020	At4g31800	3	66	3	2	10
chr4	15385909	15386083	At4g31805	6	174	3	6	26
chr4	15396274	15396338	-	3	64	2	3	8
chr4	15410581	15410646	At4g31870	3	65	1	1	17
chr4	15413465	15413540	At4g31877	3	75	1	0	8
chr4	15414999	15415113	At4g31877	4	114	4	1	17
chr4	15415995	15416070	-	3	75	1	5	13
chr4	15436132	15436209	At4g31900	3	77	1	4	16
chr4	15437501	15437571	At4g31900	3	70	1	3	11
chr4	15439809	15439921	-	4	112	3	3	15
chr4	15443691	15443771	At4g31910	3	80	0	0	11
chr4	15443972	15444075	-	4	103	3	2	22
chr4	15445576	15445680	At4g31920	4	104	4	5	14
chr4	15455373	15455479	At4g31950	4	106	5	8	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	15460759	15460856	-	4	97	1	5	11
chr4	15466545	15466617	At4g31980	3	72	1	5	8
chr4	15484566	15484639	At4g32010	3	73	4	8	14
chr4	15485361	15485436	-	3	75	5	3	8
chr4	15489659	15489735	-	3	76	1	3	12
chr4	15491245	15491320	At4g32030	3	75	3	3	10
chr4	15493380	15493421	At4g32030	2	41	0	0	9
chr4	15501463	15501532	At4g32060	3	69	7	7	9
chr4	15511507	15511587	-	3	80	0	1	7
chr4	15513502	15513619	At4g32105	4	117	6	6	13
chr4	15524120	15524268	At4g32140	5	148	5	5	20
chr4	15527743	15527812	At4g32150	3	69	3	6	11
chr4	15546750	15546822	At4g32190	3	72	2	4	10
chr4	15549820	15549922	At4g32200	4	102	2	6	12
chr4	15550173	15550360	At4g32200	6	187	2	5	31
chr4	15551097	15551140	At4g32200	2	43	1	2	9
chr4	15557350	15557424	At4g32210	3	74	3	2	9
chr4	15561259	15561326	At4g32210	3	67	0	1	9
chr4	15572643	15572713	At4g32250	3	70	2	1	10
chr4	15577713	15577856	At4g32270	5	143	2	2	18
chr4	15579930	15580073	-	5	143	4	2	26
chr4	15587089	15587260	At4g32285	6	171	1	10	24
chr4	15614450	15614526	-	3	76	1	1	10
chr4	15621539	15621675	At4g32360	5	136	4	8	17
chr4	15646298	15646370	At4g32410	3	72	5	8	13
chr4	15653200	15653339	At4g32430	5	139	7	7	15
chr4	15660522	15660563	-	2	41	0	2	5
chr4	15661671	15661814	At4g32450	5	143	3	7	20
chr4	15668373	15668486	-	4	113	1	4	8
chr4	15684217	15684363	At4g32500	5	146	4	5	22
chr4	15684622	15684765	At4g32500	5	143	2	9	23
chr4	15684948	15685074	At4g32500	4	126	3	8	14
chr4	15688094	15688201	At4g32510	4	107	1	6	11
chr4	15689741	15689852	At4g32520	4	111	4	7	13
chr4	15690604	15690711	At4g32520	4	107	1	3	15
chr4	15703443	15703700	-	7	257	2	5	23
chr4	15708778	15708857	At4g32551	3	79	1	3	9
chr4	15710596	15710668	At4g32551	3	72	1	8	2
chr4	15719568	15719721	-	5	153	1	2	21
chr4	15726137	15726212	-	3	75	4	3	10
chr4	15728171	15728313	At4g32610	5	142	1	1	17
chr4	15730274	15730354	At4g32610	3	80	3	1	21
chr4	15732377	15732450	At4g32620	3	73	0	5	21
chr4	15739850	15739922	At4g32630	3	72	0	4	13
chr4	15757691	15757770	At4g32660	3	79	2	2	14
chr4	15766432	15766508	At4g32690	3	76	1	4	10
chr4	15774012	15774156	At4g32700	5	144	3	8	23
chr4	15776753	15776820	At4g32700	3	67	2	4	7
chr4	15777257	15777336	At4g32700	3	79	2	3	16
chr4	15778583	15778700	At4g32700	4	117	2	3	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	15780011	15780057	-	2	46	0	0	5
chr4	15782944	15783019	At4g32710	3	75	1	3	10
chr4	15791287	15791362	At4g32730	3	75	1	4	10
chr4	15799669	15799808	At4g32760	5	139	1	2	24
chr4	15804056	15804124	-	3	68	1	3	9
chr4	15819620	15819702	At4g32800	3	82	0	0	6
chr4	15838557	15838627	At4g32820	3	70	1	2	9
chr4	15848200	15848274	At4g32840	3	74	3	3	14
chr4	15857018	15857135	At4g32860	4	117	9	8	21
chr4	15860937	15861047	-	4	110	3	2	16
chr4	15864296	15864408	At4g32880	4	112	3	3	15
chr4	15866548	15866764	At4g32880	7	216	5	7	28
chr4	15900591	15900663	At4g32930	3	72	1	5	13
chr4	15908858	15909043	At4g32960	6	185	2	6	21
chr4	15912184	15912302	At4g32970	4	118	1	6	14
chr4	15915648	15915843	At4g32980	6	195	3	13	22
chr4	15918801	15918982	-	6	181	2	3	18
chr4	15920155	15920269	-	4	114	4	6	18
chr4	15921021	15921062	At4g32990	2	41	0	1	9
chr4	15925017	15925089	At4g33000	3	72	7	4	6
chr4	15928854	15929073	At4g33010	7	219	3	7	24
chr4	15932960	15933031	At4g33020	3	71	1	0	21
chr4	15954699	15954884	At4g33070	6	185	0	2	42
chr4	15955123	15955179	-	2	56	2	2	6
chr4	15960851	15960926	At4g33080	3	75	2	2	12
chr4	15969336	15969518	At4g33090	6	182	0	4	28
chr4	15971901	15972045	At4g33100	5	144	2	6	18
chr4	15973004	15973148	At4g33110	5	144	1	2	14
chr4	15973365	15973574	At4g33110	7	209	9	8	22
chr4	15979973	15980119	At4g33130	5	146	1	7	15
chr4	15985081	15985154	-	3	73	1	0	18
chr4	15987579	15987822	At4g33150	8	243	5	14	26
chr4	15998780	15998843	-	2	63	3	2	4
chr4	16005326	16005434	At4g33200	4	108	1	4	11
chr4	16009935	16010266	At4g33200	10	331	3	13	32
chr4	16014593	16014665	At4g33200	3	72	1	5	12
chr4	16017572	16017642	At4g33210	3	70	2	2	16
chr4	16017963	16018036	At4g33210	3	73	0	3	11
chr4	16018532	16018722	At4g33210	6	190	3	8	29
chr4	16020049	16020189	At4g33210	5	140	2	11	12
chr4	16024836	16025022	At4g33220	6	186	9	2	24
chr4	16025430	16025572	At4g33220	5	142	2	7	20
chr4	16027155	16027223	At4g33230	3	68	6	5	12
chr4	16027514	16027586	At4g33230	3	72	1	1	11
chr4	16033562	16033633	At4g33240	3	71	0	4	12
chr4	16035302	16035425	At4g33240	4	123	0	1	16
chr4	16036913	16037018	At4g33240	4	105	2	4	12
chr4	16038597	16038673	-	3	76	2	4	8
chr4	16041828	16041974	At4g33260	5	146	1	6	17
chr4	16045796	16045896	At4g33270	3	100	2	5	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	16053315	16053421	At4g333300	4	106	3	3	15
chr4	16057848	16057988	At4g333320	5	140	1	3	23
chr4	16059738	16059888	-	5	150	4	5	18
chr4	16060237	16060313	At4g333330	3	76	2	3	7
chr4	16070565	16070636	At4g333370	3	71	3	2	10
chr4	16075362	16075504	At4g333390	5	142	1	4	22
chr4	16079145	16079364	At4g33400	7	219	3	10	18
chr4	16095488	16095629	At4g33450	5	141	0	2	21
chr4	16099236	16099349	At4g33460	4	113	2	3	13
chr4	16103932	16104072	At4g33470	5	140	5	10	24
chr4	16105795	16105867	At4g33480	3	72	2	4	9
chr4	16108062	16108201	At4g33480	5	139	3	5	23
chr4	16116152	16116322	At4g33500	6	170	7	9	30
chr4	16119097	16119170	At4g33520	3	73	5	3	8
chr4	16121681	16121755	At4g33520	3	74	1	2	14
chr4	16123835	16124014	At4g33520	6	179	2	9	22
chr4	16131072	16131179	At4g33540	4	107	3	3	12
chr4	16133657	16133874	At4g33540	7	217	9	11	19
chr4	16133999	16134182	-	6	183	4	2	18
chr4	16135187	16135278	-	3	91	2	1	7
chr4	16140873	16141059	At4g33580	6	186	1	5	25
chr4	16152310	16152418	At4g33620	4	108	2	5	9
chr4	16152643	16152749	At4g33620	4	106	3	6	16
chr4	16154347	16154455	At4g33625	4	108	6	4	22
chr4	16166464	16166610	At4g33650	5	146	6	6	12
chr4	16169709	16169926	At4g33670	7	217	3	11	13
chr4	16172621	16172736	At4g33680	4	115	4	7	13
chr4	16189638	16189823	At4g33760	6	185	3	6	23
chr4	16191502	16191646	At4g33760	5	144	1	7	19
chr4	16193999	16194069	At4g33770	3	70	3	6	13
chr4	16196150	16196226	At4g33770	3	76	5	7	5
chr4	16202473	16202581	At4g33780	4	108	0	3	16
chr4	16203519	16203625	At4g33780	4	106	5	3	24
chr4	16206369	16206446	At4g33790	3	77	0	2	12
chr4	16211176	16211321	At4g33800	5	145	2	7	14
chr4	16222924	16223002	-	3	78	1	1	11
chr4	16228027	16228175	At4g33850	5	148	6	6	14
chr4	16234974	16235155	At4g33870	6	181	6	14	28
chr4	16249565	16249639	-	3	74	3	1	9
chr4	16256095	16256172	-	3	77	4	4	4
chr4	16256881	16257029	At4g33910	5	148	3	9	19
chr4	16258642	16258714	At4g33910	3	72	10	8	2
chr4	16267222	16267300	At4g33940	3	78	0	1	16
chr4	16271796	16271877	-	3	81	1	2	7
chr4	16273266	16273343	At4g33950	3	77	0	2	12
chr4	16300315	16300421	At4g34020	4	106	2	8	11
chr4	16311231	16311311	At4g34050	3	80	2	5	11
chr4	16337069	16337210	At4g34110	5	141	2	4	23
chr4	16340219	16340325	-	4	106	0	4	17
chr4	16343225	16343266	At4g34120	2	41	3	5	4

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	16362644	16362722	-	3	78	7	1	5
chr4	16377871	16377938	-	3	67	0	1	6
chr4	16381891	16382023	At4g34220	5	132	7	8	26
chr4	16386019	16386087	-	3	68	1	4	8
chr4	16407341	16407585	At4g34280	8	244	4	4	38
chr4	16415937	16416227	At4g34310	9	290	3	13	45
chr4	16425493	16425565	At4g34330	3	72	3	5	14
chr4	16426905	16426980	At4g34340	3	75	1	4	9
chr4	16428474	16428542	-	3	68	1	2	12
chr4	16431517	16431590	-	3	73	0	0	10
chr4	16457329	16457399	At4g34420	3	70	1	2	7
chr4	16462680	16462752	At4g34430	3	72	0	4	16
chr4	16463659	16463732	At4g34430	3	73	0	6	12
chr4	16474101	16474171	At4g34450	3	70	1	3	11
chr4	16474758	16474863	At4g34450	4	105	3	6	11
chr4	16482407	16482454	At4g34480	2	47	3	2	3
chr4	16485201	16485272	At4g34490	3	71	0	8	12
chr4	16492250	16492318	At4g34510	3	68	4	4	11
chr4	16495411	16495697	At4g34520	9	286	9	8	46
chr4	16507957	16508065	At4g34560	4	108	3	3	9
chr4	16514280	16514380	At4g34570	4	100	11	7	11
chr4	16516345	16516459	At4g34580	4	114	3	4	17
chr4	16537475	16537516	At4g34630	2	41	4	4	9
chr4	16539614	16539691	At4g34640	3	77	0	3	15
chr4	16548234	16548306	At4g34660	3	72	0	4	7
chr4	16552650	16552720	-	3	70	0	0	10
chr4	16560981	16561054	At4g34710	3	73	4	4	4
chr4	16561347	16561388	At4g34710	2	41	3	5	3
chr4	16575950	16576059	At4g34740	4	109	2	6	7
chr4	16603747	16603811	At4g34830	3	64	0	4	8
chr4	16603989	16604060	At4g34830	3	71	0	3	11
chr4	16604167	16604270	At4g34830	4	103	1	6	15
chr4	16610430	16610534	At4g34860	4	104	3	6	14
chr4	16624336	16624408	At4g34890	3	72	1	3	14
chr4	16631283	16631484	At4g34900	6	201	2	2	15
chr4	16633644	16633685	At4g34910	2	41	1	0	10
chr4	16634524	16634703	At4g34910	6	179	5	7	29
chr4	16656936	16657084	At4g34980	5	148	10	11	9
chr4	16660394	16660503	-	4	109	2	6	9
chr4	16670677	16670718	At4g35010	2	41	1	5	7
chr4	16676430	16676502	At4g35030	3	72	1	3	10
chr4	16694533	16694609	At4g35070	3	76	7	4	5
chr4	16694831	16694942	At4g35070	4	111	4	4	24
chr4	16700042	16700150	At4g35080	4	108	2	3	14
chr4	16703145	16703208	At4g35090	2	63	2	2	8
chr4	16710372	16710493	-	4	121	3	0	14
chr4	16712987	16713056	At4g35110	3	69	3	6	11
chr4	16721646	16721783	At4g35130	5	137	4	9	16
chr4	16730413	16730479	-	3	66	1	1	10
chr4	16733163	16733270	-	4	107	2	2	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	16737741	16737814	-	3	73	4	9	1
chr4	16743042	16743109	-	3	67	3	3	5
chr4	16743361	16743442	-	3	81	6	4	7
chr4	16746193	16746297	-	4	104	2	0	16
chr4	16750615	16750769	-	5	154	1	2	12
chr4	16751022	16751123	-	4	101	1	2	10
chr4	16754382	16754453	-	3	71	2	4	8
chr4	16764581	16764653	-	3	72	0	1	15
chr4	16772541	16772653	At4g35250	4	112	2	3	9
chr4	16773984	16774030	-	2	46	1	0	6
chr4	16778043	16778113	At4g35270	3	70	2	2	16
chr4	16779467	16779575	At4g35270	4	108	4	8	14
chr4	16790356	16790500	At4g35290	5	144	3	6	25
chr4	16790838	16790902	At4g35290	3	64	4	6	14
chr4	16811165	16811238	At4g35350	3	73	2	3	12
chr4	16814209	16814283	At4g35360	3	74	1	2	7
chr4	16814817	16815033	-	7	216	7	4	27
chr4	16832416	16832487	-	3	71	3	6	9
chr4	16833613	16833715	At4g35410	4	102	2	6	16
chr4	16846567	16846681	At4g35470	4	114	5	4	19
chr4	16847910	16848028	At4g35470	4	118	3	6	16
chr4	16851769	16851872	-	4	103	1	0	9
chr4	16857501	16857604	At4g35500	4	103	7	9	16
chr4	16858581	16858687	At4g35500	4	106	3	3	23
chr4	16862891	16862960	-	3	69	1	3	9
chr4	16865792	16865833	At4g35520	2	41	0	2	7
chr4	16869417	16869561	At4g35520	5	144	3	4	20
chr4	16869944	16870016	At4g35520	3	72	1	4	10
chr4	16883786	16883856	At4g35560	3	70	1	4	10
chr4	16889954	16890027	At4g35580	3	73	1	4	6
chr4	16894506	16894617	At4g35590	4	111	3	3	10
chr4	16902824	16902900	At4g35620	3	76	0	2	15
chr4	16919482	16919603	At4g35680	4	121	1	1	28
chr4	16921551	16921628	-	3	77	2	4	11
chr4	16925463	16925504	At4g35710	2	41	1	2	12
chr4	16929645	16929791	-	5	146	1	2	18
chr4	16937874	16938048	At4g35740	6	174	3	7	19
chr4	16943601	16943676	At4g35760	3	75	0	5	9
chr4	16944238	16944308	At4g35760	3	70	5	6	6
chr4	16945117	16945158	At4g35770	2	41	2	2	8
chr4	16947518	16947631	At4g35780	4	113	1	4	18
chr4	16954281	16954353	At4g35785	3	72	1	3	12
chr4	16955567	16955646	At4g35790	3	79	3	1	6
chr4	16957377	16957447	At4g35790	3	70	2	6	12
chr4	16965687	16965798	At4g35800	4	111	2	6	12
chr4	16972537	16972648	-	4	111	1	4	14
chr4	16991535	16991749	At4g35870	7	214	3	9	32
chr4	17002385	17002458	-	3	73	2	0	8
chr4	17004587	17004661	-	3	74	2	4	6
chr4	17023061	17023149	At4g35940	3	88	3	1	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	17027031	17027101	-	3	70	6	8	10
chr4	17027777	17027936	-	5	159	6	6	17
chr4	17033582	17033693	At4g35985	4	111	10	5	20
chr4	17036330	17036439	-	4	109	4	4	13
chr4	17039071	17039166	-	4	95	0	1	11
chr4	17042772	17042881	-	4	109	1	4	15
chr4	17043798	17043873	At4g36020	3	75	3	4	11
chr4	17046821	17046894	At4g36030	3	73	7	3	11
chr4	17052522	17052665	At4g36050	5	143	4	8	17
chr4	17055560	17055672	At4g36060	4	112	3	4	22
chr4	17062338	17062415	At4g36080	3	77	2	5	9
chr4	17063204	17063273	At4g36080	3	69	3	2	8
chr4	17071778	17071849	At4g36080	3	71	0	6	12
chr4	17075685	17075764	At4g36080	3	79	0	2	12
chr4	17084602	17084705	At4g36105	4	103	1	2	15
chr4	17084932	17085003	At4g36105	3	71	1	2	11
chr4	17092334	17092442	-	4	108	0	3	13
chr4	17096932	17097002	-	3	70	3	3	3
chr4	17105595	17105662	At4g36150	3	67	2	2	16
chr4	17120921	17120992	At4g36180	3	71	1	2	19
chr4	17126842	17126914	At4g36190	3	72	4	4	10
chr4	17129613	17129724	At4g36195	4	111	0	4	13
chr4	17129968	17130038	-	3	70	1	2	6
chr4	17135018	17135127	-	4	109	2	3	12
chr4	17137321	17137397	-	3	76	0	1	8
chr4	17161327	17161466	At4g36270	5	139	4	8	16
chr4	17166935	17167007	At4g36280	3	72	1	3	11
chr4	17173526	17173599	-	3	73	1	3	10
chr4	17186580	17186647	-	3	67	1	1	14
chr4	17196515	17196638	At4g36390	4	123	1	2	18
chr4	17197663	17197779	At4g36400	4	116	2	6	14
chr4	17215581	17215685	At4g36470	4	104	2	5	15
chr4	17216539	17216623	-	3	84	0	1	14
chr4	17224353	17224425	At4g36490	3	72	4	5	10
chr4	17231640	17231706	At4g36520	3	66	4	7	8
chr4	17231920	17232099	At4g36520	6	179	5	6	22
chr4	17244121	17244195	At4g36540	3	74	0	5	10
chr4	17251953	17252061	-	4	108	2	0	15
chr4	17259156	17259308	At4g36580	5	152	2	6	19
chr4	17264223	17264330	At4g36600	4	107	6	6	15
chr4	17271865	17271954	At4g36630	3	89	0	1	9
chr4	17283549	17283620	At4g36650	3	71	3	5	8
chr4	17296499	17296550	At4g36690	2	51	0	2	5
chr4	17297802	17297878	-	3	76	4	5	8
chr4	17300255	17300324	At4g36700	3	69	3	6	12
chr4	17308365	17308473	At4g36720	4	108	1	2	17
chr4	17309966	17310007	At4g36730	2	41	1	0	11
chr4	17312355	17312435	At4g36730	3	80	2	3	17
chr4	17318867	17318944	-	3	77	0	1	16
chr4	17324787	17324856	At4g36750	3	69	8	6	6

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	17325484	17325620	At4g36750	5	136	1	3	24
chr4	17332144	17332259	-	4	115	4	2	15
chr4	17351661	17351732	At4g36840	3	71	5	2	15
chr4	17358730	17358835	At4g36860	4	105	2	4	14
chr4	17360073	17360177	At4g36860	4	104	1	3	18
chr4	17374046	17374191	-	5	145	1	2	23
chr4	17375497	17375572	At4g36880	3	75	1	2	5
chr4	17376005	17376146	At4g36880	5	141	5	7	25
chr4	17378428	17378511	-	3	83	3	2	19
chr4	17381642	17381712	At4g36890	3	70	3	4	6
chr4	17383807	17383883	-	3	76	2	2	6
chr4	17385771	17385880	-	4	109	3	3	13
chr4	17392405	17392509	At4g36910	4	104	0	6	15
chr4	17401964	17402074	At4g36920	4	110	6	2	21
chr4	17415844	17415911	At4g36930	3	67	2	3	14
chr4	17427557	17427753	At4g36960	6	196	3	5	26
chr4	17429043	17429118	At4g36960	3	75	0	2	15
chr4	17430622	17430775	At4g36970	5	153	4	7	12
chr4	17430978	17431082	At4g36970	4	104	7	7	9
chr4	17431943	17432054	-	4	111	4	4	7
chr4	17447884	17447988	-	4	104	6	4	14
chr4	17453752	17453894	At4g37030	5	142	3	3	20
chr4	17456167	17456346	At4g37040	6	179	1	6	22
chr4	17470075	17470174	-	4	99	2	1	15
chr4	17477135	17477208	-	3	73	1	2	16
chr4	17478893	17479003	-	4	110	0	6	6
chr4	17480689	17480757	At4g37100	3	68	2	5	6
chr4	17487346	17487422	At4g37120	3	76	1	2	15
chr4	17498560	17498745	-	6	185	6	4	16
chr4	17509864	17509932	At4g37200	3	68	5	7	7
chr4	17514171	17514237	At4g37210	3	66	3	8	7
chr4	17516050	17516131	At4g37220	3	81	1	1	16
chr4	17516472	17516542	At4g37230	3	70	5	5	13
chr4	17529883	17529949	At4g37250	3	66	1	1	18
chr4	17535757	17535824	-	3	67	2	2	7
chr4	17542767	17542881	At4g37270	4	114	3	7	10
chr4	17547573	17547614	At4g37280	2	41	1	1	8
chr4	17561355	17561422	At4g37320	3	67	6	4	12
chr4	17561622	17561687	At4g37320	3	65	0	0	26
chr4	17562020	17562098	-	3	78	3	1	12
chr4	17566438	17566510	At4g37340	3	72	8	4	12
chr4	17566692	17566876	At4g37340	6	184	3	3	22
chr4	17568657	17568722	At4g37360	3	65	7	5	18
chr4	17569267	17569342	-	3	75	0	0	10
chr4	17573142	17573187	At4g37380	2	45	2	5	4
chr4	17576706	17576785	-	3	79	2	3	10
chr4	17597946	17598009	At4g37430	3	63	3	2	13
chr4	17611002	17611068	At4g37460	3	66	1	3	10
chr4	17613713	17613825	At4g37460	4	112	1	4	12
chr4	17644632	17644855	At4g37550	7	223	5	5	40

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	17645071	17645144	At4g37550	3	73	3	5	14
chr4	17646367	17646420	-	2	53	1	1	7
chr4	17667315	17667389	-	3	74	1	1	10
chr4	17688300	17688373	-	3	73	5	5	6
chr4	17693280	17693360	At4g37650	3	80	3	1	28
chr4	17701907	17701948	At4g37680	2	41	0	3	9
chr4	17726710	17726787	At4g37740	3	77	0	1	13
chr4	17727304	17727448	At4g37740	5	144	4	8	22
chr4	17744226	17744296	At4g37760	3	70	4	6	10
chr4	17744968	17745035	At4g37760	3	67	4	4	13
chr4	17755183	17755339	-	5	156	7	2	16
chr4	17771341	17771565	-	7	224	6	5	31
chr4	17781393	17781462	At4g37810	3	69	0	2	7
chr4	17791447	17791518	At4g37840	3	71	6	2	4
chr4	17802020	17802091	-	3	71	2	4	6
chr4	17815917	17815970	-	2	53	2	2	8
chr4	17818494	17818602	-	4	108	1	1	17
chr4	17822392	17822538	At4g37900	5	146	3	8	18
chr4	17840138	17840220	-	3	82	1	0	12
chr4	17858524	17858600	At4g38000	3	76	3	6	7
chr4	17861875	17861954	At4g38020	3	79	1	4	8
chr4	17868648	17868872	At4g38040	7	224	8	9	18
chr4	17870069	17870110	At4g38050	2	41	0	2	9
chr4	17884186	17884260	At4g38090	3	74	0	1	6
chr4	17889084	17889151	At4g38110	3	67	3	2	5
chr4	17889258	17889357	At4g38110	4	99	1	3	14
chr4	17895782	17895955	At4g38120	6	173	7	10	40
chr4	17897625	17897774	At4g38130	5	149	3	4	25
chr4	17903467	17903532	At4g38160	3	65	2	3	12
chr4	17908754	17908818	At4g38180	3	64	1	6	16
chr4	17922886	17922998	At4g38210	4	112	3	3	18
chr4	17926978	17927052	At4g38220	3	74	0	4	11
chr4	17930763	17930837	At4g38230	3	74	4	2	11
chr4	17938585	17938658	At4g38270	3	73	4	3	11
chr4	17946016	17946171	-	4	155	0	3	25
chr4	17946285	17946360	-	2	75	0	3	11
chr4	17946661	17946729	-	3	68	1	3	10
chr4	17957802	17957911	At4g38340	4	109	2	0	12
chr4	17958473	17958549	At4g38350	3	76	1	2	12
chr4	17971952	17972024	-	3	72	1	1	12
chr4	17987320	17987393	At4g38430	3	73	1	5	9
chr4	17992515	17992627	At4g38440	4	112	3	4	19
chr4	17994427	17994502	At4g38440	3	75	2	4	22
chr4	18001999	18002182	At4g38470	6	183	7	10	11
chr4	18008673	18008755	At4g38500	3	82	1	4	10
chr4	18009573	18009683	At4g38500	4	110	3	3	18
chr4	18017939	18018011	At4g38520	3	72	1	1	21
chr4	18023745	18023856	At4g38540	4	111	3	6	19
chr4	18026236	18026304	At4g38550	3	68	4	7	6
chr4	18028310	18028407	At4g38550	4	97	7	6	32

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	18029272	18029346	At4g38560	3	74	2	4	14
chr4	18037312	18037385	At4g38590	3	73	4	2	9
chr4	18041271	18041347	At4g38600	3	76	3	4	7
chr4	18042377	18042477	At4g38600	4	100	1	4	14
chr4	18043234	18043340	At4g38600	4	106	3	4	17
chr4	18044414	18044486	At4g38600	3	72	3	5	10
chr4	18045187	18045267	At4g38600	3	80	1	3	8
chr4	18048571	18048682	At4g38600	4	111	6	6	16
chr4	18054680	18054749	At4g38620	3	69	5	3	16
chr4	18061762	18061908	At4g38640	5	146	4	1	34
chr4	18062771	18062837	-	3	66	0	0	11
chr4	18070828	18070965	At4g38670	5	137	10	10	16
chr4	18076149	18076224	-	3	75	3	4	10
chr4	18076735	18076842	At4g38700	4	107	8	8	9
chr4	18078515	18078579	At4g38710	3	64	0	1	8
chr4	18091036	18091097	-	2	61	0	2	9
chr4	18096462	18096573	-	4	111	3	5	12
chr4	18106060	18106132	At4g38780	3	72	3	6	7
chr4	18107787	18107864	At4g38780	3	77	2	6	9
chr4	18112512	18112710	At4g38790	6	198	3	5	28
chr4	18121736	18121809	At4g38820	3	73	1	3	12
chr4	18122507	18122575	At4g38830	3	68	5	4	8
chr4	18138322	18138434	At4g38890	4	112	0	6	7
chr4	18139098	18139206	-	4	108	3	5	24
chr4	18139542	18139616	At4g38900	3	74	1	7	8
chr4	18147763	18147804	At4g38920	2	41	0	1	10
chr4	18152602	18152671	-	3	69	6	6	9
chr4	18161702	18161848	At4g38960	5	146	2	5	18
chr4	18167131	18167201	At4g38980	3	70	3	4	8
chr4	18197680	18197760	At4g39050	3	80	3	4	8
chr4	18198804	18198948	At4g39050	5	144	3	7	7
chr4	18204376	18204557	At4g39060	6	181	1	7	29
chr4	18207511	18207586	-	3	75	0	1	4
chr4	18208298	18208412	-	3	114	1	0	15
chr4	18215033	18215104	At4g39080	3	71	1	4	8
chr4	18216153	18216226	At4g39080	3	73	3	5	12
chr4	18231814	18231995	At4g39140	6	181	5	6	25
chr4	18232643	18232712	-	3	69	0	1	7
chr4	18238599	18238671	At4g39160	3	72	0	3	15
chr4	18238915	18238987	At4g39160	3	72	2	3	10
chr4	18249846	18249964	-	4	118	1	1	5
chr4	18261101	18261175	At4g39210	3	74	3	8	10
chr4	18285094	18285248	-	5	154	4	3	15
chr4	18300258	18300329	At4g39350	3	71	1	3	18
chr4	18301084	18301181	At4g39350	4	97	4	3	14
chr4	18303012	18303124	-	4	112	9	6	15
chr4	18312384	18312678	At4g39380	9	294	11	10	31
chr4	18313322	18313409	-	3	87	2	0	6
chr4	18315915	18315985	At4g39390	3	70	2	3	8
chr4	18321981	18322024	-	2	43	1	3	5

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr4	18325405	18325512	At4g39400	4	107	8	3	15
chr4	18327393	18327464	At4g39400	3	71	3	4	12
chr4	18333793	18333864	At4g39410	3	71	2	4	11
chr4	18345719	18345821	At4g39440	4	102	0	5	20
chr4	18350180	18350248	At4g39450	3	68	2	5	6
chr4	18354379	18354525	At4g39450	5	146	2	12	18
chr4	18356909	18356976	At4g39460	3	67	1	2	6
chr4	18367170	18367281	At4g39500	4	111	2	2	15
chr4	18370767	18370834	-	3	67	3	4	7
chr4	18378738	18378806	At4g39540	3	68	2	3	9
chr4	18380424	18380501	-	3	77	0	0	8
chr4	18386195	18386273	At4g39580	3	78	1	2	10
chr4	18387297	18387377	-	3	80	2	1	10
chr4	18387813	18387885	At4g39590	3	72	3	2	7
chr4	18388520	18388666	At4g39590	5	146	10	4	20
chr4	18389371	18389556	-	6	185	8	7	13
chr4	18391782	18391849	-	3	67	1	3	10
chr4	18394675	18394748	At4g39610	3	73	1	0	7
chr4	18397121	18397199	At4g39620	3	78	2	4	11
chr4	18418174	18418321	At4g39690	5	147	2	7	22
chr4	18418609	18418678	At4g39690	3	69	1	7	13
chr4	18421469	18421538	At4g39690	3	69	3	2	22
chr4	18451408	18451476	-	3	68	2	3	17
chr4	18480411	18480517	At4g39830	4	106	13	8	7
chr4	18480669	18480710	At4g39830	2	41	7	5	3
chr4	18481777	18481854	-	3	77	0	2	11
chr4	18494126	18494229	At4g39850	4	103	2	4	18
chr4	18496549	18496622	At4g39850	3	73	1	2	6
chr4	18498269	18498377	-	4	108	8	5	14
chr4	18502985	18503058	At4g39870	3	73	1	5	18
chr4	18507374	18507446	At4g39890	3	72	0	1	21
chr4	18515176	18515278	-	4	102	1	2	11
chr4	18528108	18528219	At4g39952	4	111	5	2	23
chr4	18536625	18536803	At4g39970	6	178	1	5	26
chr4	18544647	18544758	At4g40000	4	111	6	6	9
chr4	18553732	18553911	At4g40020	6	179	5	3	26
chr4	18554515	18554584	At4g40020	3	69	2	0	5
chr4	18557063	18557139	-	3	76	6	4	4
chr4	18576383	18576565	-	6	182	10	6	10
chr4	18578641	18578757	-	4	116	1	0	16
chr4	18581164	18581232	At4g40090	3	68	4	7	19
chr4	18583919	18584062	At4g40100	4	143	1	6	21
chr5	1626	1771	At5g01010	5	145	3	9	13
chr5	3040	3146	At5g01010	4	106	3	2	11
chr5	8102	8178	At5g01020	3	76	6	8	12
chr5	11007	11051	At5g01030	2	44	1	2	7
chr5	11447	11520	At5g01030	3	73	5	6	7
chr5	15589	15665	At5g01040	3	76	2	3	17
chr5	19631	19733	At5g01050	4	102	2	6	9
chr5	27768	27954	-	6	186	5	2	24

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	31452	31529	-	3	77	2	4	11
chr5	32109	32215	-	4	106	1	3	10
chr5	36083	36262	At5g01100	6	179	5	6	22
chr5	37831	37872	At5g01100	2	41	1	0	4
chr5	42244	42311	At5g01110	3	67	4	3	4
chr5	45122	45187	-	3	65	1	1	8
chr5	48173	48246	At5g01130	3	73	5	5	11
chr5	53199	53305	At5g01150	4	106	7	5	13
chr5	58671	58744	At5g01170	3	73	7	5	10
chr5	61225	61297	At5g01180	3	72	4	4	10
chr5	79080	79221	-	5	141	5	1	14
chr5	89006	89108	At5g01220	4	102	2	5	14
chr5	96017	96083	-	3	66	1	3	9
chr5	96357	96422	-	2	65	0	2	0
chr5	101309	101382	At5g01240	3	73	3	4	18
chr5	111140	111314	At5g01270	6	174	3	8	14
chr5	115697	115803	At5g01280	4	106	2	2	13
chr5	118816	118887	At5g01290	3	71	2	3	10
chr5	119437	119478	At5g01290	2	41	1	4	8
chr5	134274	134383	At5g01330	4	109	1	2	15
chr5	136697	136815	At5g01335	4	118	1	8	18
chr5	136965	137116	At5g01335	5	151	2	5	24
chr5	141180	141286	At5g01335	4	106	8	7	11
chr5	154272	154347	At5g01370	3	75	1	3	9
chr5	162906	163123	At5g01400	7	217	8	16	18
chr5	178361	178430	At5g01430	3	69	5	4	9
chr5	179486	179638	-	5	152	2	3	15
chr5	185239	185312	At5g01450	3	73	1	3	11
chr5	192483	192562	At5g01470	3	79	1	3	8
chr5	193975	194086	At5g01480	4	111	6	1	15
chr5	197151	197226	At5g01490	3	75	2	3	15
chr5	207793	208057	At5g01520	8	264	7	8	39
chr5	213930	214006	-	3	76	2	1	11
chr5	215548	215689	At5g01550	5	141	7	3	17
chr5	217322	217432	-	4	110	2	2	9
chr5	219389	219457	At5g01560	3	68	6	2	16
chr5	221561	221602	At5g01570	2	41	1	2	11
chr5	231815	232000	At5g01610	6	185	0	8	30
chr5	240465	240548	-	3	83	1	3	9
chr5	244812	244881	At5g01660	3	69	0	2	6
chr5	248136	248213	At5g01660	3	77	3	4	6
chr5	264882	264989	At5g01710	4	107	8	6	16
chr5	267850	267930	At5g01715	3	80	1	5	10
chr5	273436	273576	At5g01730	5	140	6	3	15
chr5	275158	275275	At5g01730	4	117	0	4	16
chr5	291425	291500	-	3	75	5	2	11
chr5	295001	295068	At5g01770	3	67	2	1	9
chr5	295772	295882	At5g01770	4	110	1	5	15
chr5	301098	301172	At5g01770	3	74	1	2	14
chr5	303985	304097	At5g01780	4	112	10	6	18

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	309155	309266	-	4	111	0	4	9
chr5	310180	310255	At5g01810	3	75	0	3	5
chr5	313726	313943	At5g01820	7	217	18	14	19
chr5	326573	326614	-	2	41	2	2	2
chr5	332056	332165	-	4	109	5	2	15
chr5	358395	358505	At5g01910	4	110	3	4	15
chr5	362386	362531	At5g01920	5	145	6	6	18
chr5	370023	370108	At5g01950	3	85	3	3	10
chr5	372201	372287	At5g01960	3	86	1	1	22
chr5	375177	375246	-	3	69	2	2	14
chr5	376609	376682	At5g01980	3	73	3	4	10
chr5	388915	389058	-	5	143	8	4	10
chr5	389446	389523	-	3	77	1	0	11
chr5	419692	419834	At5g36010	5	142	5	3	18
chr5	420940	421023	At5g36010	3	83	2	4	8
chr5	425315	425454	At5g36010	5	139	1	5	19
chr5	433068	433181	At5g36010	4	113	6	5	4
chr5	439694	439766	At5g36010	3	72	3	1	6
chr5	442288	442359	At5g36010	3	71	2	5	15
chr5	453694	453797	At5g36010	4	103	1	4	11
chr5	464552	464623	At5g36010	3	71	2	5	17
chr5	465802	465948	At5g36010	5	146	1	2	23
chr5	472708	472818	At5g36010	4	110	2	1	18
chr5	475356	475426	At5g36010	3	70	0	4	17
chr5	487636	487744	At5g36010	4	108	3	2	12
chr5	488779	488892	At5g36010	4	113	2	5	11
chr5	489537	489608	At5g36010	3	71	1	3	7
chr5	492937	493042	At5g36010	4	105	4	1	22
chr5	514318	514465	At5g36010	5	147	8	9	23
chr5	520335	520407	At5g36010	3	72	1	1	10
chr5	529798	529865	At5g36010	3	67	2	3	9
chr5	533675	533748	At5g36010	3	73	1	1	15
chr5	534219	534291	At5g36010	3	72	1	2	7
chr5	537539	537646	At5g36010	4	107	1	0	18
chr5	543305	543373	At5g36010	3	68	1	3	5
chr5	545123	545202	At5g36010	3	79	1	3	9
chr5	546596	546740	At5g36010	5	144	2	3	16
chr5	550012	550128	At5g36010	4	116	0	0	10
chr5	561999	562075	At5g36010	3	76	3	1	13
chr5	566861	566902	At5g36010	2	41	0	1	4
chr5	572611	572686	At5g36010	3	75	1	1	11
chr5	591812	591890	At5g36010	3	78	9	6	2
chr5	594575	594647	At5g36010	3	72	5	4	9
chr5	614655	614752	At5g36010	3	97	5	6	8
chr5	618165	618307	At5g36010	5	142	3	2	18
chr5	621298	621373	At5g36010	3	75	4	2	7
chr5	625695	625769	At5g36010	3	74	0	5	12
chr5	627161	627228	At5g36010	3	67	1	6	6
chr5	640162	640237	At5g36010	3	75	2	3	11
chr5	641511	641652	At5g36010	5	141	2	3	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	647062	647137	At5g36010	3	75	0	3	7
chr5	647782	648033	At5g36010	8	251	9	7	18
chr5	655094	655166	At5g36010	3	72	3	3	13
chr5	663510	663587	At5g36010	3	77	2	4	12
chr5	665898	665941	At5g36010	2	43	2	2	8
chr5	667589	667661	At5g36010	3	72	3	4	16
chr5	670430	670585	At5g36010	5	155	9	5	14
chr5	680740	680885	At5g36010	5	145	4	5	15
chr5	682259	682315	At5g36010	2	56	0	1	4
chr5	695603	695690	At5g36010	3	87	6	7	14
chr5	696933	697005	At5g36010	3	72	4	3	12
chr5	699502	699613	At5g36010	4	111	2	4	20
chr5	708496	708572	At5g36010	3	76	2	5	13
chr5	711942	712086	At5g36010	5	144	5	9	16
chr5	718694	718763	At5g36010	3	69	1	2	11
chr5	720637	720744	At5g36010	4	107	3	8	11
chr5	722110	722217	At5g36010	4	107	8	3	10
chr5	722321	722433	At5g36010	4	112	2	4	24
chr5	739050	739118	At5g36010	3	68	6	4	12
chr5	753899	753971	-	3	72	0	4	13
chr5	755709	755779	At5g03180	3	70	2	3	13
chr5	759233	759306	At5g03190	3	73	2	2	17
chr5	761003	761145	At5g03200	5	142	2	6	13
chr5	767653	767720	At5g03220	3	67	3	3	5
chr5	807005	807114	-	4	109	2	3	9
chr5	810637	810747	At5g03340	4	110	5	9	16
chr5	816969	817037	-	3	68	3	1	10
chr5	818200	818272	At5g03360	3	72	4	6	7
chr5	820163	820278	At5g03360	4	115	1	9	15
chr5	822690	822764	At5g03360	3	74	4	5	7
chr5	825127	825202	At5g03360	3	75	2	1	14
chr5	826403	826475	At5g03370	3	72	0	1	6
chr5	846303	846376	At5g03420	3	73	4	5	12
chr5	847257	847328	At5g03420	3	71	0	2	17
chr5	853534	853680	At5g03435	5	146	10	7	9
chr5	854513	854628	At5g03435	4	115	5	3	7
chr5	855121	855192	At5g03435	3	71	3	3	13
chr5	863618	863691	At5g03455	3	73	1	2	10
chr5	864480	864550	At5g03460	3	70	3	4	10
chr5	873284	873327	-	2	43	0	0	12
chr5	877917	878024	-	4	107	3	2	16
chr5	879243	879350	-	4	107	2	3	11
chr5	880701	880811	At5g03510	4	110	6	3	16
chr5	886957	887062	At5g03530	4	105	2	6	6
chr5	890079	890147	At5g03540	3	68	0	3	15
chr5	893107	893177	At5g03540	3	70	1	4	10
chr5	897501	897573	-	3	72	4	0	7
chr5	901498	901789	At5g03560	9	291	5	8	26
chr5	908425	908530	-	4	105	3	6	15
chr5	927831	927975	-	5	144	8	9	21

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	933682	933757	At5g03650	3	75	1	2	8
chr5	939998	940110	At5g03660	4	112	4	2	14
chr5	944227	944308	-	3	81	3	0	10
chr5	957737	957809	-	2	72	1	1	2
chr5	959438	959550	At5g03680	4	112	2	4	21
chr5	961326	961395	-	3	69	2	3	16
chr5	977836	977946	At5g03730	4	110	3	4	8
chr5	984935	985010	At5g03750	3	75	4	5	10
chr5	996763	996940	At5g03770	6	177	3	3	24
chr5	1001823	1001910	-	3	87	1	3	7
chr5	1005364	1005419	At5g03790	2	55	0	1	3
chr5	1009113	1009224	At5g03800	4	111	1	4	7
chr5	1010108	1010180	At5g03800	3	72	4	6	21
chr5	1013802	1013873	-	3	71	1	0	5
chr5	1014025	1014266	At5g03810	7	241	7	3	22
chr5	1028544	1028615	At5g03850	3	71	2	2	14
chr5	1030886	1030959	-	3	73	3	2	15
chr5	1042078	1042140	-	3	62	1	1	9
chr5	1048771	1048910	At5g03900	5	139	2	2	23
chr5	1049808	1049930	At5g03900	4	122	3	4	16
chr5	1050869	1050942	At5g03900	3	73	1	3	13
chr5	1062375	1062450	At5g03940	3	75	0	1	10
chr5	1069900	1069970	At5g03960	3	70	1	1	16
chr5	1073718	1073793	-	3	75	5	4	8
chr5	1075016	1075084	At5g03980	3	68	4	4	19
chr5	1078173	1078249	-	3	76	1	1	11
chr5	1083686	1083793	At5g04020	4	107	1	6	8
chr5	1087494	1087563	-	3	69	2	0	16
chr5	1099281	1099322	At5g04060	2	41	1	3	18
chr5	1102143	1102289	At5g04070	5	146	4	7	19
chr5	1104996	1105146	At5g04080	5	150	2	6	16
chr5	1105290	1105429	At5g04080	5	139	0	4	19
chr5	1111027	1111139	At5g04110	4	112	4	2	13
chr5	1119964	1120068	-	4	104	3	2	3
chr5	1120860	1121002	At5g04120	5	142	4	6	16
chr5	1121906	1122015	At5g04130	4	109	2	4	13
chr5	1125054	1125127	At5g04130	3	73	2	5	8
chr5	1155687	1155759	At5g04210	3	72	1	2	7
chr5	1157096	1157240	At5g04220	5	144	1	4	17
chr5	1163594	1163736	At5g04230	5	142	5	9	19
chr5	1169486	1169593	-	4	107	2	5	23
chr5	1179266	1179380	At5g04260	4	114	1	7	9
chr5	1180857	1180924	-	3	67	0	3	9
chr5	1192574	1192694	At5g04280	4	120	1	3	19
chr5	1195181	1195284	At5g04280	4	103	5	10	19
chr5	1195836	1195895	-	2	59	2	1	5
chr5	1196903	1197048	At5g04290	5	145	1	5	20
chr5	1197187	1197321	At5g04290	5	134	2	5	22
chr5	1197429	1197540	At5g04290	4	111	1	4	20
chr5	1199856	1199965	At5g04290	4	109	1	5	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	1202809	1202953	-	5	144	5	5	12
chr5	1223528	1223800	At5g04360	9	272	2	9	38
chr5	1232565	1232606	At5g04370	2	41	0	2	8
chr5	1235300	1235372	At5g04380	3	72	2	0	11
chr5	1246706	1246782	At5g04410	3	76	0	0	10
chr5	1250835	1251012	At5g04430	5	177	3	6	14
chr5	1266631	1266736	-	4	105	2	3	11
chr5	1277926	1277995	At5g04480	3	69	3	3	11
chr5	1295106	1295176	-	3	70	1	0	15
chr5	1300191	1300401	At5g04540	7	210	4	9	20
chr5	1309664	1310023	At5g04560	11	359	4	9	75
chr5	1316363	1316431	At5g04560	3	68	1	2	16
chr5	1342477	1342552	-	3	75	2	4	10
chr5	1347961	1348074	At5g04680	4	113	3	5	12
chr5	1353885	1353989	-	4	104	1	1	16
chr5	1357589	1357696	At5g04710	4	107	1	3	14
chr5	1358729	1358803	At5g04710	3	74	2	0	11
chr5	1359137	1359210	At5g04710	3	73	1	1	10
chr5	1361310	1361427	At5g04720	4	117	2	1	31
chr5	1370555	1370596	At5g04740	2	41	0	2	5
chr5	1371928	1372035	-	4	107	0	1	22
chr5	1372700	1372771	At5g04750	3	71	1	3	18
chr5	1374292	1374399	At5g04760	4	107	5	8	6
chr5	1380166	1380235	At5g04770	3	69	3	6	5
chr5	1380496	1380770	At5g04770	8	274	8	5	16
chr5	1382147	1382257	At5g04770	4	110	7	2	21
chr5	1392122	1392229	At5g04810	4	107	1	1	21
chr5	1399968	1400041	At5g04820	3	73	6	4	17
chr5	1413584	1413725	At5g04860	5	141	2	9	17
chr5	1414790	1414831	-	2	41	0	0	5
chr5	1416616	1416719	-	4	103	3	1	9
chr5	1420117	1420193	At5g04870	3	76	0	3	12
chr5	1422078	1422190	At5g04880	4	112	1	3	11
chr5	1427081	1427187	-	4	106	0	4	14
chr5	1428878	1428947	-	3	69	6	6	11
chr5	1429490	1429562	-	3	72	1	1	14
chr5	1429823	1429896	-	3	73	2	4	11
chr5	1434104	1434170	At5g04895	3	66	2	4	15
chr5	1448866	1448977	At5g04930	4	111	3	6	12
chr5	1466915	1466987	At5g04970	3	72	3	3	20
chr5	1471388	1471493	-	4	105	4	3	16
chr5	1487959	1488031	At5g05040	3	72	5	1	12
chr5	1497877	1498017	At5g05070	5	140	2	5	16
chr5	1506953	1507031	At5g05100	3	78	2	1	12
chr5	1512579	1512966	At5g05130	12	387	9	12	76
chr5	1516729	1516807	-	3	78	3	4	9
chr5	1520524	1520664	At5g05140	5	140	8	8	27
chr5	1521460	1521534	At5g05140	3	74	3	2	11
chr5	1525734	1525880	At5g05150	5	146	7	4	16
chr5	1531302	1531444	At5g05170	5	142	3	9	21

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	1531625	1531698	At5g05170	3	73	0	2	15
chr5	1531991	1532095	At5g05170	4	104	2	5	16
chr5	1546993	1547098	At5g05200	4	105	7	9	15
chr5	1562123	1562195	-	3	72	1	1	3
chr5	1568779	1568893	At5g05290	4	114	2	6	13
chr5	1578753	1578829	At5g05330	3	76	8	5	8
chr5	1580373	1580446	At5g05340	3	73	5	5	10
chr5	1586215	1586292	At5g05350	3	77	4	4	7
chr5	1589578	1589652	-	3	74	3	4	6
chr5	1590533	1590604	-	3	71	1	3	17
chr5	1597880	1597955	At5g05400	3	75	1	5	7
chr5	1603163	1603304	At5g05410	5	141	4	6	29
chr5	1605267	1605308	-	2	41	3	1	14
chr5	1605963	1606072	At5g05430	4	109	3	6	7
chr5	1611869	1611985	-	4	116	6	10	13
chr5	1618999	1619075	-	3	76	1	2	6
chr5	1619748	1619818	-	3	70	0	2	8
chr5	1631594	1631701	At5g05510	4	107	3	6	10
chr5	1637037	1637101	At5g05540	3	64	1	2	15
chr5	1640970	1641078	-	4	108	2	3	10
chr5	1642052	1642197	At5g05560	5	145	1	2	19
chr5	1642782	1642854	At5g05560	3	72	1	0	12
chr5	1644667	1644809	At5g05560	5	142	0	7	16
chr5	1648575	1648676	At5g05560	4	101	3	8	15
chr5	1653087	1653153	At5g05560	3	66	0	5	9
chr5	1659575	1659760	At5g05570	6	185	2	6	38
chr5	1659982	1660053	At5g05570	3	71	0	2	11
chr5	1661223	1661292	At5g05570	3	69	2	5	14
chr5	1667875	1667946	At5g05590	3	71	1	3	14
chr5	1669229	1669299	-	3	70	7	3	7
chr5	1679477	1679583	At5g05620	4	106	3	2	21
chr5	1685303	1685378	At5g05640	3	75	1	3	16
chr5	1686140	1686355	-	7	215	1	1	25
chr5	1691307	1691374	At5g05660	3	67	2	5	12
chr5	1693911	1693981	At5g05660	3	70	1	3	9
chr5	1698504	1698575	At5g05680	3	71	7	6	11
chr5	1706458	1706529	At5g05690	3	71	8	7	10
chr5	1712866	1712975	At5g05700	4	109	0	3	15
chr5	1718062	1718164	At5g05720	4	102	4	5	16
chr5	1719279	1719385	At5g05720	4	106	0	0	14
chr5	1722713	1722821	At5g05730	4	108	7	7	14
chr5	1733179	1733285	-	4	106	4	3	15
chr5	1737436	1737507	At5g05780	3	71	1	3	13
chr5	1752450	1752518	At5g05820	3	68	1	1	6
chr5	1759243	1759316	At5g05840	3	73	0	0	11
chr5	1767716	1767823	At5g05870	4	107	3	2	7
chr5	1794793	1794863	-	3	70	1	1	4
chr5	1795613	1795688	At5g05970	3	75	3	4	13
chr5	1806597	1806669	At5g05987	3	72	1	4	8
chr5	1807147	1807221	At5g05990	3	74	1	3	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	1822297	1822409	At5g06050	4	112	1	3	15
chr5	1823057	1823156	At5g06050	4	99	2	1	15
chr5	1832925	1833018	-	3	93	1	1	6
chr5	1834756	1834961	-	7	205	9	5	21
chr5	1837202	1837372	-	6	170	5	7	16
chr5	1844628	1844855	At5g06120	7	227	3	12	26
chr5	1850123	1850194	At5g06120	3	71	0	2	10
chr5	1854909	1855016	At5g06130	4	107	3	1	17
chr5	1859643	1859750	At5g06150	4	107	4	6	10
chr5	1866262	1866332	At5g06160	3	70	6	3	10
chr5	1870014	1870158	At5g06170	5	144	11	11	13
chr5	1870372	1870473	At5g06170	4	101	4	2	12
chr5	1873918	1873989	At5g06180	3	71	0	4	8
chr5	1876218	1876333	At5g06190	4	115	3	3	7
chr5	1879215	1879358	At5g06210	5	143	3	12	13
chr5	1880249	1880335	At5g06220	3	86	1	3	11
chr5	1882674	1882782	At5g06220	4	108	0	5	17
chr5	1887081	1887183	At5g06230	4	102	2	1	11
chr5	1893865	1894009	At5g06250	5	144	9	6	30
chr5	1904150	1904209	At5g06260	2	59	1	1	6
chr5	1913013	1913085	At5g06270	3	72	4	4	11
chr5	1919713	1919842	At5g06290	4	129	2	3	21
chr5	1921678	1921882	-	6	204	3	3	19
chr5	1924788	1924860	At5g06300	3	72	3	1	4
chr5	1936097	1936170	-	3	73	1	0	9
chr5	1940852	1940926	At5g06350	3	74	2	4	7
chr5	1948589	1948701	-	4	112	4	1	18
chr5	1950324	1950469	-	5	145	3	2	24
chr5	1953040	1953146	At5g06390	4	106	3	8	8
chr5	1975122	1975186	At5g06470	3	64	2	5	8
chr5	1976670	1976743	At5g06480	3	73	3	3	4
chr5	1977150	1977298	At5g06480	5	148	5	8	26
chr5	1978179	1978317	At5g06490	5	138	10	2	10
chr5	1985800	1985906	At5g06510	4	106	1	3	26
chr5	1986315	1986387	At5g06510	3	72	4	6	11
chr5	1990126	1990259	At5g06530	5	133	9	8	17
chr5	2001321	2001400	At5g06550	3	79	2	6	7
chr5	2019752	2019823	At5g06600	3	71	1	5	8
chr5	2020241	2020309	At5g06600	3	68	2	3	8
chr5	2029479	2029604	-	4	125	0	2	15
chr5	2047798	2047873	-	3	75	0	2	17
chr5	2053153	2053222	At5g06670	3	69	0	5	7
chr5	2055268	2055376	-	4	108	4	2	22
chr5	2073124	2073264	-	5	140	3	1	19
chr5	2080324	2080393	At5g06730	3	69	1	4	11
chr5	2080504	2080631	At5g06730	4	127	4	6	16
chr5	2080740	2080885	At5g06730	5	145	4	7	25
chr5	2084821	2084973	At5g06740	5	152	1	4	26
chr5	2085146	2085353	At5g06740	7	207	5	6	41
chr5	2087483	2087554	At5g06750	3	71	2	3	6

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	2088826	2088971	-	5	145	2	5	25
chr5	2092038	2092150	At5g06770	4	112	0	3	9
chr5	2119028	2119217	At5g06830	6	189	3	5	15
chr5	2127632	2127704	At5g06850	3	72	3	4	14
chr5	2130969	2131115	-	5	146	5	6	12
chr5	2134613	2134723	At5g06870	4	110	4	3	12
chr5	2136247	2136312	At5g06900	3	65	0	2	7
chr5	2142014	2142055	At5g06910	2	41	0	2	7
chr5	2147195	2147309	At5g06930	4	114	0	4	15
chr5	2148254	2148327	At5g06940	3	73	1	7	9
chr5	2150452	2150564	At5g06940	4	112	0	1	30
chr5	2154109	2154257	At5g06950	5	148	2	3	16
chr5	2171859	2171931	At5g07000	3	72	3	3	10
chr5	2172251	2172326	At5g07000	3	75	5	2	19
chr5	2179513	2179622	-	4	109	4	3	8
chr5	2191076	2191153	-	3	77	0	4	14
chr5	2192982	2193164	At5g07050	6	182	7	5	22
chr5	2201680	2201784	At5g07080	4	104	4	4	29
chr5	2202539	2202617	At5g07090	3	78	3	3	12
chr5	2204044	2204163	At5g07090	4	119	2	3	20
chr5	2204439	2204512	At5g07100	3	73	3	1	5
chr5	2212244	2212375	At5g07130	5	131	5	5	14
chr5	2218384	2218534	-	5	150	1	0	18
chr5	2222717	2222928	At5g07170	7	211	15	5	16
chr5	2223752	2223864	At5g07170	4	112	1	6	15
chr5	2227245	2227321	-	3	76	1	1	11
chr5	2238348	2238389	At5g07190	2	41	5	8	4
chr5	2244951	2245095	At5g07200	5	144	8	4	34
chr5	2261671	2261780	At5g07215	4	109	3	5	10
chr5	2270993	2271103	At5g07230	4	110	3	7	13
chr5	2273382	2273487	At5g07240	4	105	5	5	11
chr5	2306112	2306228	At5g07310	4	116	4	6	22
chr5	2310061	2310166	-	4	105	4	2	16
chr5	2334642	2334746	At5g07380	4	104	2	6	11
chr5	2335084	2335240	At5g07380	5	156	0	4	13
chr5	2343112	2343180	At5g07400	3	68	0	1	12
chr5	2347484	2347561	At5g07410	3	77	2	1	8
chr5	2370312	2370421	At5g07490	4	109	7	5	14
chr5	2373079	2373295	At5g07500	7	216	16	13	32
chr5	2387423	2387564	-	5	141	5	5	15
chr5	2400175	2400249	At5g07580	3	74	3	6	11
chr5	2402395	2402501	At5g07590	4	106	4	2	10
chr5	2409666	2409772	-	4	106	1	3	22
chr5	2415598	2415778	At5g07640	6	180	5	8	25
chr5	2423899	2424123	At5g07660	7	224	3	6	26
chr5	2425210	2425283	At5g07660	3	73	1	4	15
chr5	2427089	2427198	At5g07660	4	109	2	2	25
chr5	2443685	2443747	-	3	62	0	1	14
chr5	2447309	2447420	At5g07690	4	111	2	2	23
chr5	2448105	2448175	At5g07690	3	70	3	1	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	2455297	2455371	At5g07710	3	74	2	4	7
chr5	2464900	2465017	At5g07740	4	117	3	3	14
chr5	2467582	2467623	-	2	41	1	1	10
chr5	2469338	2469444	At5g07760	4	106	0	1	18
chr5	2470202	2470280	At5g07760	3	78	1	3	10
chr5	2475973	2476046	At5g07770	3	73	0	2	10
chr5	2481878	2481987	At5g07780	4	109	3	10	12
chr5	2483754	2483795	At5g07790	2	41	0	0	8
chr5	2492952	2493064	At5g07810	4	112	4	7	17
chr5	2498541	2498609	-	3	68	5	1	12
chr5	2507793	2507983	At5g07840	5	190	2	6	16
chr5	2518831	2518905	At5g07890	3	74	2	5	9
chr5	2541945	2542053	At5g07950	4	108	9	6	16
chr5	2544253	2544364	At5g07970	4	111	3	3	13
chr5	2551717	2551857	At5g07980	5	140	3	9	20
chr5	2565877	2565918	-	2	41	0	1	8
chr5	2577950	2578024	At5g08040	3	74	4	4	11
chr5	2594483	2594587	At5g08100	4	104	12	8	9
chr5	2618189	2618404	-	7	215	3	0	27
chr5	2620607	2620648	-	2	41	0	1	11
chr5	2624115	2624223	-	4	108	4	3	15
chr5	2628583	2628726	At5g08170	5	143	11	11	11
chr5	2630471	2630574	At5g08170	4	103	2	7	10
chr5	2635317	2635388	At5g08185	3	71	0	2	8
chr5	2639196	2639302	At5g08200	4	106	0	5	16
chr5	2671144	2671248	At5g08310	4	104	4	4	8
chr5	2675331	2675569	-	7	238	11	12	21
chr5	2687770	2687837	-	3	67	2	1	10
chr5	2691379	2691454	At5g08370	3	75	2	4	11
chr5	2691992	2692067	At5g08370	3	75	3	4	6
chr5	2693518	2693682	At5g08370	5	164	1	4	19
chr5	2707229	2707362	At5g08400	4	133	0	3	12
chr5	2711488	2711639	At5g08415	5	151	0	7	13
chr5	2714497	2714654	At5g08420	5	157	1	3	28
chr5	2716605	2716781	-	5	176	7	8	13
chr5	2717726	2717795	At5g08430	3	69	1	3	14
chr5	2722908	2723139	At5g08440	7	231	3	4	28
chr5	2726097	2726204	At5g08440	4	107	1	4	13
chr5	2745089	2745231	At5g08480	5	142	3	4	16
chr5	2757251	2757397	At5g08520	5	146	4	4	13
chr5	2765829	2765898	At5g08540	3	69	3	5	14
chr5	2766655	2766728	At5g08550	3	73	0	4	10
chr5	2770114	2770155	At5g08550	2	41	5	3	9
chr5	2770404	2770449	-	2	45	0	0	8
chr5	2782805	2782914	At5g08580	4	109	6	2	22
chr5	2784198	2784272	At5g08590	3	74	0	3	7
chr5	2789370	2789478	At5g08600	4	108	4	6	11
chr5	2790305	2790372	At5g08610	3	67	7	6	6
chr5	2790800	2790874	At5g08610	3	74	4	5	21
chr5	2796243	2796383	At5g08620	5	140	2	3	23

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	2797391	2797536	At5g08620	5	145	4	6	23
chr5	2800676	2800741	At5g08630	3	65	3	3	10
chr5	2803985	2804059	At5g08640	3	74	4	4	10
chr5	2814999	2815182	At5g08660	6	183	3	3	30
chr5	2826603	2826708	At5g08690	4	105	2	8	11
chr5	2832745	2832817	-	3	72	2	3	10
chr5	2843817	2843894	At5g08720	3	77	1	3	15
chr5	2845608	2845718	-	4	110	0	0	18
chr5	2848556	2848848	At5g08740	9	292	4	9	28
chr5	2849236	2849311	At5g08740	3	75	2	3	13
chr5	2865086	2865275	At5g09210	6	189	9	9	27
chr5	2872264	2872373	At5g09230	4	109	1	4	16
chr5	2880973	2881078	At5g09280	4	105	0	3	13
chr5	2888796	2888871	At5g09320	3	75	3	2	10
chr5	2891725	2891801	At5g09320	3	76	2	1	5
chr5	2894842	2894915	-	3	73	3	1	17
chr5	2898471	2898538	-	3	67	3	1	9
chr5	2899712	2899856	At5g09350	5	144	4	5	15
chr5	2903493	2903601	At5g09350	4	108	2	5	12
chr5	2906892	2906961	At5g09360	3	69	7	4	7
chr5	2920133	2920280	At5g09400	5	147	9	8	20
chr5	2920994	2921069	-	3	75	0	4	14
chr5	2925330	2925472	At5g09410	5	142	1	7	16
chr5	2928271	2928421	-	5	150	13	9	15
chr5	2932179	2932244	At5g09430	3	65	9	5	6
chr5	2932603	2932709	At5g09430	4	106	7	10	18
chr5	2951259	2951328	At5g09480	3	69	4	7	10
chr5	2954758	2954837	At5g09500	3	79	4	2	7
chr5	2961448	2961628	-	6	180	3	2	20
chr5	2964438	2964518	-	3	80	1	1	15
chr5	2967572	2967650	At5g09560	3	78	1	3	20
chr5	2973949	2974136	At5g09580	6	187	2	5	23
chr5	2977372	2977444	At5g09590	3	72	1	3	17
chr5	2984775	2984998	At5g09620	7	223	11	9	24
chr5	2985914	2985981	At5g09630	3	67	1	0	13
chr5	2988244	2988355	-	4	111	4	1	14
chr5	2993901	2993943	At5g09660	2	42	1	3	8
chr5	2994148	2994260	At5g09660	4	112	1	7	17
chr5	2995007	2995362	At5g09660	11	355	6	13	43
chr5	2998101	2998177	At5g09670	3	76	0	3	16
chr5	2998572	2998639	At5g09670	3	67	0	1	9
chr5	3023001	3023119	At5g09740	4	118	2	4	11
chr5	3038556	3038630	-	3	74	2	2	7
chr5	3039911	3039978	At5g09790	3	67	1	4	14
chr5	3040604	3040819	At5g09790	7	215	9	6	20
chr5	3047002	3047075	-	3	73	0	2	5
chr5	3054290	3054346	At5g09810	2	56	0	0	12
chr5	3066041	3066115	-	3	74	4	3	9
chr5	3070943	3071012	-	3	69	2	1	4
chr5	3076882	3076951	At5g09870	3	69	2	3	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	3093201	3093271	-	3	70	3	5	14
chr5	3103553	3103671	At5g09950	4	118	4	5	13
chr5	3104175	3104367	At5g09950	6	192	6	11	17
chr5	3117883	3117954	-	3	71	3	1	8
chr5	3119060	3119136	-	3	76	4	2	11
chr5	3135636	3135773	At5g10020	5	137	5	6	14
chr5	3144813	3145060	At5g10050	8	247	5	12	32
chr5	3148047	3148283	At5g10060	8	236	9	15	35
chr5	3155316	3155383	At5g10090	3	67	3	4	9
chr5	3158000	3158147	At5g10100	5	147	1	2	15
chr5	3165611	3165716	-	4	105	1	3	9
chr5	3170514	3170643	At5g10120	5	129	5	4	24
chr5	3177567	3177672	At5g10140	4	105	1	2	18
chr5	3177848	3177922	At5g10140	3	74	2	0	11
chr5	3190595	3190737	-	5	142	3	3	15
chr5	3221699	3221776	At5g10270	3	77	2	7	7
chr5	3226034	3226106	-	3	72	0	4	9
chr5	3226481	3226556	-	3	75	0	7	13
chr5	3228712	3228753	-	2	41	0	2	6
chr5	3230594	3230663	-	3	69	2	2	10
chr5	3230914	3231171	-	8	257	1	11	28
chr5	3234170	3234244	At5g10280	3	74	0	1	15
chr5	3241622	3241694	At5g10310	3	72	0	1	11
chr5	3244343	3244384	At5g10320	2	41	0	0	9
chr5	3251485	3251547	-	2	62	1	3	11
chr5	3256994	3257071	At5g10350	3	77	0	3	8
chr5	3261301	3261485	At5g10370	6	184	15	11	6
chr5	3261683	3261829	At5g10370	5	146	7	5	24
chr5	3262069	3262249	At5g10370	6	180	8	6	37
chr5	3266700	3266811	At5g10370	4	111	1	3	18
chr5	3277549	3277661	At5g10430	4	112	0	1	12
chr5	3280751	3280844	At5g10440	3	93	1	1	5
chr5	3298094	3298203	At5g10480	4	109	1	8	15
chr5	3299946	3300053	At5g10480	4	107	8	4	15
chr5	3302861	3303038	At5g10490	6	177	1	5	21
chr5	3308192	3308299	-	4	107	2	1	18
chr5	3311311	3311415	-	4	104	1	4	17
chr5	3332075	3332254	At5g10540	6	179	2	11	27
chr5	3337305	3337408	At5g10560	4	103	5	7	10
chr5	3346018	3346134	-	4	116	4	1	11
chr5	3348131	3348239	At5g10580	4	108	6	5	13
chr5	3354768	3354873	At5g10610	4	105	1	6	29
chr5	3377967	3378037	At5g10695	3	70	6	1	3
chr5	3392901	3393003	At5g10730	4	102	7	2	15
chr5	3402668	3402720	-	2	52	1	2	10
chr5	3405063	3405165	At5g10770	4	102	0	2	17
chr5	3408003	3408044	-	2	41	3	1	4
chr5	3417246	3417323	At5g10800	3	77	4	1	9
chr5	3418247	3418461	At5g10800	7	214	6	6	24
chr5	3423467	3423539	-	3	72	1	2	5

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	3425281	3425393	At5g10830	4	112	3	4	21
chr5	3427676	3427748	At5g10840	3	72	4	3	14
chr5	3427942	3428055	-	4	113	5	2	12
chr5	3432133	3432206	At5g10870	3	73	4	3	14
chr5	3439684	3439818	At5g10910	5	134	7	6	29
chr5	3450704	3450777	At5g10940	3	73	0	2	7
chr5	3452033	3452177	At5g10940	5	144	4	6	13
chr5	3455742	3455811	-	3	69	3	2	4
chr5	3465120	3465228	At5g10960	4	108	2	4	16
chr5	3467608	3467722	-	4	114	3	3	12
chr5	3482578	3482619	-	2	41	0	2	7
chr5	3483621	3483778	-	5	157	10	7	8
chr5	3493421	3493563	At5g11030	5	142	2	6	20
chr5	3515859	3515965	-	4	106	3	4	8
chr5	3516215	3516316	-	4	101	2	1	15
chr5	3516730	3516797	At5g11070	3	67	6	5	10
chr5	3550432	3550502	-	3	70	3	3	6
chr5	3557330	3557434	At5g11180	4	104	4	4	10
chr5	3563659	3563735	-	3	76	2	0	16
chr5	3574047	3574154	At5g11210	4	107	1	3	24
chr5	3579525	3579634	-	4	109	2	3	8
chr5	3587314	3587385	-	3	71	1	6	9
chr5	3588455	3588531	At5g11250	3	76	0	4	14
chr5	3597275	3597564	At5g11280	9	289	11	10	26
chr5	3607847	3607952	At5g11310	4	105	2	7	22
chr5	3608330	3608519	At5g11310	6	189	5	2	29
chr5	3612918	3612986	At5g11320	3	68	6	6	8
chr5	3618699	3618911	At5g11330	7	212	7	8	23
chr5	3621531	3621634	-	4	103	10	5	7
chr5	3624435	3624506	At5g11350	3	71	1	7	11
chr5	3626928	3626994	-	3	66	0	4	10
chr5	3634286	3634361	At5g11390	3	75	1	2	12
chr5	3636311	3636378	At5g11390	3	67	4	1	13
chr5	3649451	3649554	At5g11430	4	103	0	7	21
chr5	3651397	3651472	At5g11430	3	75	1	2	13
chr5	3654697	3654841	At5g11450	5	144	5	2	19
chr5	3658867	3658973	At5g11460	4	106	2	5	14
chr5	3664400	3664474	At5g11470	3	74	2	3	9
chr5	3673529	3673601	At5g11490	3	72	1	3	12
chr5	3682286	3682434	At5g11510	5	148	2	4	23
chr5	3690882	3690955	-	3	73	1	1	10
chr5	3714813	3714884	-	3	71	2	4	11
chr5	3715663	3715728	-	3	65	2	1	11
chr5	3732659	3732764	-	4	105	3	2	11
chr5	3738209	3738311	At5g11610	4	102	1	2	14
chr5	3739944	3740017	At5g11620	3	73	5	6	13
chr5	3740903	3741017	At5g11630	4	114	2	4	15
chr5	3760695	3760786	At5g11680	3	91	0	2	15
chr5	3772692	3772928	-	7	236	9	7	16
chr5	3774119	3774192	At5g11710	3	73	3	3	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	3784129	3784253	-	4	124	3	5	5
chr5	3787945	3788018	At5g11750	3	73	3	4	12
chr5	3791189	3791334	At5g11770	5	145	7	8	19
chr5	3791860	3791934	At5g11770	3	74	1	5	4
chr5	3794006	3794080	At5g11780	3	74	8	4	3
chr5	3795169	3795240	At5g11780	3	71	0	1	10
chr5	3799939	3800043	At5g11790	4	104	4	2	14
chr5	3811237	3811278	-	2	41	3	2	9
chr5	3812372	3812451	-	3	79	2	1	4
chr5	3822017	3822087	At5g11860	3	70	2	6	8
chr5	3823762	3823828	At5g11860	3	66	3	3	9
chr5	3827089	3827163	At5g11870	3	74	3	3	11
chr5	3828619	3828759	At5g11880	5	140	5	6	17
chr5	3829248	3829316	At5g11880	3	68	1	1	7
chr5	3837529	3837604	At5g11910	3	75	2	5	11
chr5	3842408	3842480	-	3	72	1	2	11
chr5	3870379	3870519	At5g11980	5	140	1	6	15
chr5	3874285	3874431	At5g12000	5	146	4	7	15
chr5	3883935	3883999	-	3	64	1	3	15
chr5	3887773	3887874	At5g12040	4	101	3	5	14
chr5	3891088	3891166	At5g12050	3	78	1	0	20
chr5	3892271	3892379	-	4	108	1	1	15
chr5	3895496	3895542	-	2	46	2	1	8
chr5	3901879	3901959	-	3	80	2	1	11
chr5	3903245	3903309	-	2	64	0	0	2
chr5	3920510	3920551	At5g12130	2	41	0	1	11
chr5	3925791	3925883	At5g12150	3	92	1	1	5
chr5	3927373	3927520	At5g12150	5	147	2	9	21
chr5	3928208	3928349	At5g12150	5	141	2	3	14
chr5	3930533	3930664	-	4	131	5	4	15
chr5	3936299	3936341	-	2	42	3	2	5
chr5	3955884	3955954	At5g12230	3	70	5	2	11
chr5	3981823	3982077	At5g12310	8	254	3	6	25
chr5	3984372	3984444	-	3	72	1	1	11
chr5	3989298	3989414	At5g12330	3	116	1	1	7
chr5	3991821	3991895	-	3	74	1	3	12
chr5	3995802	3995877	-	3	75	2	3	14
chr5	3998700	3998774	At5g12350	3	74	1	3	19
chr5	4002477	4002586	-	4	109	6	5	18
chr5	4002916	4003023	At5g12370	4	107	0	3	26
chr5	4003710	4003825	At5g12370	4	115	0	3	11
chr5	4018102	4018174	At5g12400	3	72	2	1	18
chr5	4030303	4030373	At5g12430	3	70	3	3	9
chr5	4031398	4031541	At5g12430	5	143	3	6	17
chr5	4033994	4034106	At5g12430	4	112	8	7	13
chr5	4036384	4036494	At5g12440	4	110	4	6	9
chr5	4036620	4036792	At5g12440	6	172	3	7	23
chr5	4042340	4042412	-	3	72	3	2	6
chr5	4045759	4045967	At5g12470	7	208	3	10	32
chr5	4046800	4046946	At5g12470	5	146	4	11	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	4048035	4048108	At5g12480	3	73	2	4	7
chr5	4058468	4058536	At5g12850	3	68	4	6	8
chr5	4060007	4060077	At5g12860	3	70	4	6	9
chr5	4061307	4061377	At5g12860	3	70	7	6	13
chr5	4069042	4069083	-	2	41	1	1	10
chr5	4070159	4070231	At5g12890	3	72	4	1	7
chr5	4074215	4074286	At5g12900	3	71	1	5	23
chr5	4091116	4091186	-	3	70	2	0	11
chr5	4092837	4092994	-	5	157	2	3	9
chr5	4102925	4103107	At5g12970	6	182	0	11	20
chr5	4107876	4107946	At5g12980	3	70	7	4	4
chr5	4110082	4110153	-	3	71	3	3	12
chr5	4112147	4112285	At5g13000	5	138	3	5	17
chr5	4113949	4114136	At5g13000	6	187	1	5	14
chr5	4115696	4115768	At5g13000	3	72	1	3	7
chr5	4117261	4117335	At5g13000	3	74	2	4	8
chr5	4119732	4119879	At5g13000	5	147	0	7	21
chr5	4125804	4125946	At5g13010	5	142	2	4	32
chr5	4128456	4128526	At5g13010	3	70	2	5	19
chr5	4136091	4136332	At5g13030	8	241	1	9	29
chr5	4155785	4155894	-	4	109	3	1	9
chr5	4158168	4158236	At5g13100	3	68	2	3	11
chr5	4165761	4165838	-	3	77	0	1	13
chr5	4169844	4169917	At5g13130	3	73	2	3	13
chr5	4170685	4170757	At5g13140	3	72	4	5	13
chr5	4171754	4171825	At5g13140	3	71	2	2	12
chr5	4172949	4173022	-	3	73	1	0	12
chr5	4177907	4177975	At5g13160	3	68	1	0	18
chr5	4201141	4201255	-	4	114	1	1	12
chr5	4204488	4204712	-	7	224	4	13	13
chr5	4205142	4205319	At5g13190	6	177	4	8	19
chr5	4207079	4207188	At5g13200	4	109	2	7	12
chr5	4207852	4207964	At5g13200	4	112	5	5	26
chr5	4213484	4213584	-	4	100	2	6	5
chr5	4220559	4220627	At5g13220	3	68	5	1	6
chr5	4223300	4223481	At5g13230	6	181	5	2	31
chr5	4241851	4241922	-	3	71	4	2	11
chr5	4247729	4247868	At5g13270	5	139	4	8	16
chr5	4248745	4249034	At5g13270	9	289	13	12	20
chr5	4257091	4257163	At5g13300	3	72	2	3	11
chr5	4260595	4260739	At5g13300	5	144	4	8	17
chr5	4264056	4264168	At5g13310	4	112	2	1	18
chr5	4272544	4272621	At5g13330	3	77	0	0	9
chr5	4273556	4273665	At5g13330	4	109	1	4	13
chr5	4275590	4275661	-	3	71	2	0	10
chr5	4276315	4276390	-	3	75	0	1	17
chr5	4281177	4281317	At5g13350	5	140	5	6	20
chr5	4289054	4289121	At5g13370	3	67	6	3	11
chr5	4300248	4300316	At5g13410	3	68	0	5	5
chr5	4302341	4302411	At5g13420	3	70	1	3	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	4334815	4334920	-	4	105	2	2	15
chr5	4335286	4335357	-	3	71	5	4	2
chr5	4344275	4344343	At5g13520	3	68	6	4	18
chr5	4345549	4345618	-	3	69	3	2	12
chr5	4348806	4348880	At5g13530	3	74	1	3	15
chr5	4350963	4351035	At5g13530	3	72	1	5	8
chr5	4357833	4358057	At5g13550	7	224	3	7	20
chr5	4359195	4359268	At5g13550	3	73	6	3	9
chr5	4364703	4364771	At5g13560	3	68	1	5	7
chr5	4380983	4381056	At5g13600	3	73	3	3	12
chr5	4383890	4383994	At5g13610	4	104	1	5	20
chr5	4390340	4390559	At5g13630	7	219	2	8	33
chr5	4398349	4398450	At5g13650	4	101	0	1	22
chr5	4399985	4400026	At5g13650	2	41	0	3	9
chr5	4405577	4405711	At5g13660	5	134	3	6	23
chr5	4407635	4407746	At5g13670	4	111	1	5	12
chr5	4410799	4411030	At5g13680	7	231	5	8	17
chr5	4413528	4413633	At5g13680	4	105	0	5	20
chr5	4420181	4420372	At5g13690	6	191	2	4	26
chr5	4425304	4425373	At5g13710	3	69	3	5	8
chr5	4429394	4429468	At5g13730	3	74	0	4	7
chr5	4439357	4439503	At5g13750	5	146	0	5	13
chr5	4444166	4444235	At5g13760	3	69	4	9	6
chr5	4446221	4446365	At5g13770	5	144	8	7	24
chr5	4447501	4447602	At5g13770	4	101	3	4	13
chr5	4448300	4448365	At5g13780	3	65	5	4	17
chr5	4450202	4450309	At5g13790	4	107	0	2	17
chr5	4464269	4464339	At5g13820	3	70	2	5	17
chr5	4465706	4465822	At5g13825	4	116	6	7	8
chr5	4467885	4467995	At5g13830	4	110	2	7	15
chr5	4474036	4474145	At5g13860	4	109	7	5	23
chr5	4475315	4475381	At5g13870	3	66	3	5	8
chr5	4481391	4481537	At5g13900	5	146	0	4	27
chr5	4482407	4482485	-	3	78	2	2	21
chr5	4488960	4489067	At5g13930	4	107	5	3	8
chr5	4516804	4516914	At5g13990	4	110	3	2	28
chr5	4518655	4518759	At5g14000	4	104	1	3	19
chr5	4519280	4519344	At5g14000	3	64	1	1	15
chr5	4524588	4524695	At5g14020	4	107	0	5	10
chr5	4525696	4526026	At5g14020	10	330	3	11	35
chr5	4526554	4526626	-	3	72	1	2	15
chr5	4529741	4529788	-	2	47	0	1	2
chr5	4538066	4538140	At5g14060	3	74	1	4	7
chr5	4538610	4538684	At5g14060	3	74	1	2	8
chr5	4548115	4548219	At5g14090	4	104	2	6	18
chr5	4565751	4565891	At5g14150	5	140	2	8	18
chr5	4572080	4572232	At5g14180	5	152	2	3	14
chr5	4578024	4578076	At5g14200	2	52	0	1	12
chr5	4585893	4585965	At5g14220	3	72	1	2	15
chr5	4591530	4591604	-	3	74	1	3	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	4591710	4591788	-	3	78	5	3	5
chr5	4596418	4596488	At5g14240	3	70	0	4	11
chr5	4596593	4596701	At5g14240	4	108	1	4	19
chr5	4597663	4597782	-	4	119	5	6	11
chr5	4605488	4605561	At5g14270	3	73	6	5	10
chr5	4608525	4608812	At5g14270	9	287	6	9	43
chr5	4631903	4631974	At5g14370	3	71	0	1	11
chr5	4633653	4633799	At5g14370	5	146	4	7	15
chr5	4638554	4638624	At5g14390	3	70	4	4	6
chr5	4654558	4654630	At5g14430	3	72	1	3	12
chr5	4655055	4655128	At5g14430	3	73	1	3	11
chr5	4658845	4658960	At5g14450	4	115	2	6	19
chr5	4662430	4662501	At5g14460	3	71	0	2	20
chr5	4664359	4664428	At5g14470	3	69	2	2	11
chr5	4666279	4666351	-	3	72	1	2	15
chr5	4671014	4671082	At5g14490	3	68	3	4	7
chr5	4678501	4678569	At5g14510	3	68	3	7	7
chr5	4697362	4697441	At5g14580	3	79	2	1	11
chr5	4700949	4701034	At5g14580	3	85	1	1	13
chr5	4703465	4703541	At5g14590	3	76	2	2	14
chr5	4707750	4707828	At5g14600	3	78	1	3	13
chr5	4711112	4711182	-	3	70	0	2	20
chr5	4717914	4718127	At5g14620	7	213	1	6	31
chr5	4720058	4720127	At5g14640	3	69	0	1	11
chr5	4723683	4723760	-	3	77	1	3	3
chr5	4726094	4726165	At5g14650	3	71	3	5	7
chr5	4734649	4734700	-	2	51	1	1	9
chr5	4775580	4775761	At5g14770	6	181	6	4	28
chr5	4778030	4778102	At5g14780	3	72	2	3	7
chr5	4785145	4785250	At5g14790	4	105	6	6	13
chr5	4801555	4801632	-	3	77	0	0	15
chr5	4801973	4802083	At5g14850	4	110	2	4	19
chr5	4810728	4810841	At5g14870	4	113	8	9	25
chr5	4819827	4819897	At5g14890	3	70	2	3	13
chr5	4826138	4826254	-	4	116	1	1	14
chr5	4832998	4833104	At5g14940	4	106	6	8	15
chr5	4847441	4847551	At5g14970	4	110	5	7	8
chr5	4862493	4862900	At5g15020	12	407	8	10	37
chr5	4864524	4864598	At5g15020	3	74	6	3	16
chr5	4882333	4882440	At5g15070	4	107	0	7	14
chr5	4885340	4885381	At5g15070	2	41	1	1	5
chr5	4888614	4888672	At5g15080	2	58	2	0	5
chr5	4897311	4897384	At5g15110	3	73	4	3	14
chr5	4903615	4903688	-	3	73	2	0	16
chr5	4924857	4924931	-	3	74	1	0	9
chr5	4925662	4925767	-	4	105	4	1	10
chr5	4933018	4933159	At5g15190	5	141	3	3	19
chr5	4935170	4935303	At5g15200	5	133	2	6	22
chr5	4938022	4938100	At5g15210	3	78	5	2	2
chr5	4944867	4944974	-	4	107	1	0	19

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	4955389	4955495	-	4	106	3	2	11
chr5	4956612	4956677	-	3	65	0	3	9
chr5	4961136	4961177	At5g15270	2	41	0	4	5
chr5	4963394	4963469	At5g15280	3	75	3	3	15
chr5	4965341	4965410	At5g15280	3	69	4	4	8
chr5	4975371	4975412	At5g15310	2	41	0	1	11
chr5	4979633	4979707	-	3	74	1	1	12
chr5	4983420	4983532	At5g15340	4	112	1	6	7
chr5	4983875	4983986	At5g15340	4	111	4	5	11
chr5	4984949	4985050	-	4	101	0	1	10
chr5	4992470	4992584	At5g15380	4	114	1	2	19
chr5	4999056	4999201	At5g15400	5	145	2	4	21
chr5	4999347	4999419	At5g15400	3	72	3	4	12
chr5	5002378	5002589	At5g15400	7	211	5	10	17
chr5	5009807	5009895	-	3	88	4	1	10
chr5	5011474	5011582	At5g15430	4	108	2	3	19
chr5	5014661	5014801	At5g15450	5	140	3	10	11
chr5	5018307	5018384	At5g15450	3	77	4	2	11
chr5	5023769	5023840	At5g15470	3	71	0	0	10
chr5	5024237	5024346	At5g15470	4	109	7	9	1
chr5	5027166	5027241	-	3	75	4	1	15
chr5	5028148	5028323	At5g15490	6	175	6	6	33
chr5	5028472	5028583	At5g15490	4	111	4	4	17
chr5	5029092	5029165	At5g15490	3	73	2	5	7
chr5	5029450	5029518	At5g15490	3	68	1	4	10
chr5	5048817	5048888	At5g15540	3	71	0	1	17
chr5	5053799	5053872	At5g15540	3	73	4	4	7
chr5	5056430	5056502	At5g15540	3	72	2	3	6
chr5	5068692	5068766	At5g15580	3	74	2	2	8
chr5	5069500	5069611	At5g15580	4	111	3	10	16
chr5	5071576	5071724	At5g15580	5	148	0	2	24
chr5	5076006	5076114	-	4	108	3	2	8
chr5	5078606	5078714	At5g15600	4	108	2	7	18
chr5	5079126	5079235	-	4	109	2	4	7
chr5	5079495	5079565	-	3	70	4	2	14
chr5	5087443	5087549	At5g15640	4	106	6	5	7
chr5	5089915	5090025	At5g15640	4	110	2	3	13
chr5	5091305	5091367	-	2	62	0	0	9
chr5	5096158	5096328	At5g15660	6	170	6	7	31
chr5	5109879	5110030	At5g15680	5	151	2	5	26
chr5	5110449	5110490	At5g15680	2	41	1	2	5
chr5	5117737	5117813	At5g15700	3	76	0	4	9
chr5	5120699	5120811	At5g15700	4	112	2	3	10
chr5	5132481	5132554	At5g15730	3	73	3	3	8
chr5	5141837	5141904	At5g15750	3	67	1	1	13
chr5	5143402	5143505	At5g15760	4	103	0	2	22
chr5	5168120	5168191	-	3	71	0	0	11
chr5	5170815	5170882	-	3	67	2	2	7
chr5	5176704	5176809	At5g15850	4	105	1	7	19
chr5	5180082	5180297	At5g15860	7	215	3	4	21

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	5183032	5183103	At5g15870	3	71	6	2	5
chr5	5186474	5186580	At5g15880	4	106	0	6	22
chr5	5187828	5187975	At5g15880	5	147	4	7	15
chr5	5188359	5188434	At5g15890	3	75	1	3	13
chr5	5197220	5197290	At5g15920	3	70	3	5	9
chr5	5216561	5216668	-	4	107	3	0	15
chr5	5224333	5224481	At5g16000	5	148	2	4	18
chr5	5233112	5233153	-	2	41	0	0	11
chr5	5242878	5242982	At5g16040	4	104	3	1	12
chr5	5243728	5243836	-	4	108	3	5	15
chr5	5273961	5274030	At5g16150	3	69	1	3	11
chr5	5280012	5280053	At5g16180	2	41	2	2	2
chr5	5283199	5283324	-	4	125	2	4	14
chr5	5287543	5287738	-	6	195	3	3	26
chr5	5294534	5294603	At5g16210	3	69	0	3	9
chr5	5295986	5296032	At5g16210	2	46	0	3	4
chr5	5304085	5304155	At5g16230	3	70	0	1	10
chr5	5306626	5306704	-	3	78	3	3	9
chr5	5310460	5310532	At5g16250	3	72	3	5	11
chr5	5315515	5315583	At5g16260	3	68	0	5	9
chr5	5319380	5319446	At5g16270	3	66	0	4	11
chr5	5338394	5338465	At5g16300	3	71	5	5	4
chr5	5338854	5338926	At5g16300	3	72	1	1	21
chr5	5340296	5340412	At5g16300	4	116	2	4	13
chr5	5342535	5342608	At5g16300	3	73	1	7	7
chr5	5360311	5360379	At5g16380	3	68	5	6	8
chr5	5362046	5362114	At5g16390	3	68	2	2	11
chr5	5374054	5374169	-	4	115	0	7	11
chr5	5376368	5376468	-	4	100	0	1	8
chr5	5378205	5378348	At5g16460	5	143	8	10	8
chr5	5381467	5381531	At5g16480	3	64	3	3	6
chr5	5401087	5401161	At5g16530	3	74	2	3	16
chr5	5404335	5404445	At5g16540	4	110	5	6	12
chr5	5416101	5416155	-	2	54	1	1	6
chr5	5436524	5436633	-	4	109	2	5	17
chr5	5438384	5438482	At5g16600	4	98	0	2	14
chr5	5439567	5439813	At5g16600	8	246	1	2	40
chr5	5464836	5464959	At5g16650	4	123	1	3	7
chr5	5480202	5480273	-	3	71	1	2	9
chr5	5480748	5480815	-	3	67	1	0	6
chr5	5487463	5487537	At5g16715	3	74	0	7	9
chr5	5495673	5495855	At5g16720	6	182	3	7	32
chr5	5499067	5499139	At5g16730	3	72	4	3	19
chr5	5503615	5503732	-	4	117	2	3	16
chr5	5508127	5508199	At5g16750	3	72	1	3	9
chr5	5514652	5514936	-	9	284	4	7	25
chr5	5518750	5518817	At5g16780	3	67	0	6	7
chr5	5524646	5524687	At5g16800	2	41	3	4	4
chr5	5543849	5543960	At5g16860	4	111	7	9	6
chr5	5545673	5545777	At5g16860	4	104	4	7	25

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	5551340	5551417	At5g16880	3	77	0	2	18
chr5	5562212	5562315	At5g16910	4	103	5	7	20
chr5	5563524	5563593	At5g16910	3	69	2	3	13
chr5	5563736	5563845	At5g16910	4	109	5	6	16
chr5	5580284	5580356	At5g16980	3	72	2	3	15
chr5	5587296	5587439	-	5	143	2	3	15
chr5	5587907	5587970	At5g17010	3	63	0	6	6
chr5	5598812	5598887	At5g17020	3	75	1	4	11
chr5	5602181	5602364	At5g17020	6	183	5	7	18
chr5	5613456	5613630	At5g17070	6	174	3	8	19
chr5	5614056	5614196	At5g17070	5	140	1	2	21
chr5	5615522	5615675	At5g17070	5	153	3	7	7
chr5	5619431	5619543	-	4	112	2	4	13
chr5	5637546	5637595	-	2	49	0	2	11
chr5	5638801	5638872	-	3	71	1	4	13
chr5	5640244	5640484	At5g17160	8	240	7	22	18
chr5	5641606	5641779	At5g17160	6	173	4	7	26
chr5	5643247	5643388	-	5	141	7	6	19
chr5	5658103	5658222	At5g17210	4	119	2	1	17
chr5	5658345	5658525	-	6	180	1	3	18
chr5	5669043	5669116	At5g17250	3	73	1	3	11
chr5	5679283	5679423	-	5	140	0	0	6
chr5	5686154	5686267	-	4	113	5	5	18
chr5	5689228	5689365	At5g17290	5	137	2	2	14
chr5	5695286	5695361	-	3	75	1	2	18
chr5	5715854	5716034	At5g17340	6	180	6	7	30
chr5	5719533	5719681	At5g17350	5	148	4	3	12
chr5	5722526	5722665	At5g17370	5	139	3	5	25
chr5	5724657	5724725	At5g17370	3	68	2	5	12
chr5	5733607	5733747	At5g17410	5	140	2	9	17
chr5	5742941	5743015	At5g17430	3	74	3	6	5
chr5	5754394	5754461	-	3	67	2	0	4
chr5	5754683	5754750	-	3	67	1	1	16
chr5	5761424	5761495	-	3	71	1	1	18
chr5	5767619	5767728	At5g17500	4	109	1	1	19
chr5	5768087	5768227	At5g17500	5	140	7	7	22
chr5	5771130	5771234	At5g17510	4	104	4	6	12
chr5	5784580	5784659	-	3	79	3	2	13
chr5	5787441	5787585	At5g17550	5	144	2	4	18
chr5	5791684	5791810	-	4	126	3	2	11
chr5	5798086	5798242	-	5	156	4	2	20
chr5	5811341	5811485	At5g17630	5	144	6	10	13
chr5	5824417	5824486	At5g17680	3	69	2	5	13
chr5	5826253	5826329	At5g17680	3	76	4	5	7
chr5	5832414	5832483	At5g17700	3	69	3	2	9
chr5	5841663	5841783	At5g17710	3	120	5	3	19
chr5	5858906	5858973	At5g17750	3	67	2	3	8
chr5	5861294	5861401	At5g17760	4	107	4	7	11
chr5	5861907	5862020	At5g17760	4	113	4	7	8
chr5	5864579	5864646	At5g17770	3	67	3	5	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	5864970	5865038	At5g17770	3	68	1	2	15
chr5	5871672	5871780	At5g17790	4	108	5	6	13
chr5	5896090	5896163	At5g17840	3	73	0	3	10
chr5	5902856	5902930	At5g17860	3	74	6	6	14
chr5	5910688	5910796	At5g17880	4	108	0	2	19
chr5	5918878	5918985	At5g17890	4	107	2	4	16
chr5	5931544	5931613	At5g17910	3	69	2	3	15
chr5	5937655	5937729	At5g17920	3	74	0	5	9
chr5	5944802	5944875	At5g17950	3	73	2	3	9
chr5	5951735	5951810	-	3	75	6	3	12
chr5	5960094	5960198	At5g18000	4	104	5	4	8
chr5	5964994	5965209	-	7	215	4	6	14
chr5	5966075	5966186	-	4	111	1	1	16
chr5	5967939	5968008	-	3	69	0	2	15
chr5	5973753	5973892	At5g18040	5	139	2	5	30
chr5	5986475	5986544	At5g18090	3	69	1	1	18
chr5	5988229	5988369	At5g18100	5	140	4	6	30
chr5	5993876	5993948	At5g18120	3	72	1	0	15
chr5	5999151	5999219	At5g18140	3	68	1	5	15
chr5	6003910	6004015	-	4	105	1	2	14
chr5	6008442	6008533	At5g18170	3	91	0	1	10
chr5	6008882	6009023	At5g18180	5	141	2	3	25
chr5	6019202	6019306	At5g18210	4	104	4	8	19
chr5	6020484	6020590	-	4	106	5	4	16
chr5	6023797	6023941	At5g18230	5	144	2	7	10
chr5	6028047	6028236	-	6	189	6	7	23
chr5	6034031	6034147	At5g18250	4	116	1	2	17
chr5	6048871	6048946	-	3	75	0	1	14
chr5	6051962	6052035	At5g18280	3	73	0	2	10
chr5	6053168	6053273	At5g18280	4	105	2	4	20
chr5	6065387	6065452	At5g18320	3	65	1	2	16
chr5	6068225	6068296	-	3	71	4	2	14
chr5	6068534	6068608	At5g18330	3	74	2	3	8
chr5	6073958	6074105	-	5	147	0	6	18
chr5	6077811	6077852	At5g18350	2	41	0	2	7
chr5	6079280	6079440	-	5	160	2	2	14
chr5	6085872	6085978	At5g18370	4	106	2	5	12
chr5	6087292	6087359	At5g18370	3	67	2	2	11
chr5	6088190	6088335	At5g18370	5	145	9	5	18
chr5	6102337	6102443	At5g18410	4	106	3	4	14
chr5	6106803	6106913	At5g18420	4	110	2	3	10
chr5	6113259	6113329	At5g18440	3	70	1	2	12
chr5	6114093	6114165	At5g18440	3	72	1	4	8
chr5	6115814	6115883	-	3	69	2	3	10
chr5	6116873	6116949	At5g18450	3	76	5	7	5
chr5	6121447	6121501	-	2	54	3	4	5
chr5	6124385	6124457	At5g18460	3	72	1	4	6
chr5	6127353	6127464	-	4	111	4	3	15
chr5	6135409	6135479	At5g18490	3	70	2	5	3
chr5	6145116	6145187	At5g18520	3	71	8	6	3

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	6153344	6153485	At5g18530	5	141	4	7	12
chr5	6159229	6159333	-	4	104	1	1	18
chr5	6160778	6160858	At5g18550	3	80	9	6	22
chr5	6161512	6161580	At5g18550	3	68	0	1	16
chr5	6163438	6163544	-	4	106	2	2	19
chr5	6171287	6171355	-	3	68	3	2	6
chr5	6172930	6173005	At5g18570	3	75	3	4	12
chr5	6179762	6179837	At5g18590	3	75	1	3	9
chr5	6182591	6182698	At5g18590	4	107	3	3	20
chr5	6187422	6187497	-	3	75	2	1	4
chr5	6188059	6188181	-	4	122	7	3	15
chr5	6193825	6193896	At5g18610	3	71	1	2	16
chr5	6198051	6198190	At5g18620	5	139	4	3	7
chr5	6250222	6250320	At5g18740	4	98	3	7	20
chr5	6257101	6257211	At5g18750	4	110	3	9	8
chr5	6257524	6257670	At5g18750	5	146	0	4	37
chr5	6269927	6269999	At5g18810	3	72	3	3	12
chr5	6281638	6281755	-	4	117	4	2	10
chr5	6285949	6286137	At5g18840	6	188	3	10	21
chr5	6286890	6286965	At5g18850	3	75	4	3	11
chr5	6299185	6299257	At5g18870	3	72	3	2	7
chr5	6305788	6305891	At5g18900	4	103	2	2	14
chr5	6306350	6306542	-	5	192	5	8	14
chr5	6320118	6320254	-	5	136	4	4	6
chr5	6331269	6331405	At5g18960	5	136	4	8	30
chr5	6344222	6344296	At5g19000	3	74	2	5	14
chr5	6357642	6357774	At5g19030	5	132	2	3	18
chr5	6359480	6359631	-	5	151	3	7	25
chr5	6364128	6364198	-	3	70	0	3	6
chr5	6368310	6368461	-	5	151	5	3	20
chr5	6371882	6371923	At5g19050	2	41	0	1	12
chr5	6376976	6377074	At5g19070	4	98	4	2	14
chr5	6390766	6390840	-	3	74	3	3	13
chr5	6417558	6417698	At5g19130	5	140	1	5	15
chr5	6427301	6427447	At5g19150	5	146	2	5	15
chr5	6428915	6429026	-	4	111	3	6	12
chr5	6434506	6434579	At5g19165	3	73	0	4	10
chr5	6435756	6435828	At5g19165	3	72	1	1	12
chr5	6442985	6443095	-	4	110	4	1	15
chr5	6457731	6457772	At5g19190	2	41	1	2	7
chr5	6459461	6459533	At5g19200	3	72	2	5	9
chr5	6464056	6464134	At5g19220	3	78	2	2	15
chr5	6464513	6464580	At5g19220	3	67	1	3	11
chr5	6473751	6473863	-	4	112	1	3	12
chr5	6481870	6481939	-	3	69	0	1	7
chr5	6489147	6489219	At5g19280	3	72	3	4	11
chr5	6496431	6496502	At5g19300	3	71	0	1	12
chr5	6496752	6496825	At5g19300	3	73	0	1	20
chr5	6508874	6509046	At5g19330	6	172	3	6	14
chr5	6511433	6511501	At5g19330	3	68	2	3	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	6511779	6511853	At5g19330	3	74	2	4	12
chr5	6521744	6521785	At5g19360	2	41	4	1	4
chr5	6525795	6525906	At5g19370	4	111	3	5	11
chr5	6533449	6533558	At5g19390	4	109	2	2	16
chr5	6537056	6537166	At5g19390	4	110	2	7	6
chr5	6537783	6537930	At5g19390	5	147	3	6	16
chr5	6555377	6555662	At5g19430	9	285	4	13	43
chr5	6560265	6560406	At5g19450	5	141	1	8	12
chr5	6572813	6572924	At5g19480	4	111	1	4	23
chr5	6593056	6593203	-	5	147	6	4	17
chr5	6596909	6597015	At5g19540	4	106	3	8	13
chr5	6597334	6597473	At5g19540	5	139	3	6	31
chr5	6597693	6597765	At5g19540	3	72	1	5	9
chr5	6607089	6607154	At5g19570	3	65	3	2	15
chr5	6610893	6611035	-	5	142	3	3	12
chr5	6615216	6615322	At5g19600	4	106	3	3	24
chr5	6643932	6644149	At5g19660	7	217	5	6	33
chr5	6657221	6657295	At5g19690	3	74	2	2	16
chr5	6659140	6659212	-	3	72	5	2	9
chr5	6664681	6664796	-	4	115	3	5	11
chr5	6667614	6667719	-	4	105	0	4	19
chr5	6671830	6671907	At5g19730	3	77	0	4	16
chr5	6675153	6675264	At5g19740	3	111	1	3	17
chr5	6678505	6678579	At5g19750	3	74	2	7	11
chr5	6680608	6680715	At5g19760	4	107	5	6	15
chr5	6690942	6691056	-	4	114	1	2	16
chr5	6693909	6694016	-	4	107	2	6	13
chr5	6698770	6698840	At5g19820	3	70	1	1	13
chr5	6699055	6699127	At5g19820	3	72	2	4	8
chr5	6719084	6719192	-	4	108	2	1	26
chr5	6721462	6721534	At5g19880	3	72	3	7	9
chr5	6736079	6736183	At5g19920	4	104	3	2	19
chr5	6737865	6738013	At5g19930	5	148	1	7	17
chr5	6744846	6744914	At5g19960	3	68	1	0	24
chr5	6747609	6747682	At5g19970	3	73	7	3	9
chr5	6748616	6748658	At5g19970	2	42	2	4	4
chr5	6750818	6750923	At5g19980	4	105	7	4	23
chr5	6751096	6751240	-	5	144	0	1	23
chr5	6758066	6758136	At5g20000	3	70	2	3	12
chr5	6763469	6763540	At5g20020	3	71	2	4	11
chr5	6792788	6792863	At5g20110	3	75	2	1	9
chr5	6797568	6797680	At5g20130	4	112	5	7	9
chr5	6798972	6799083	At5g20140	4	111	4	4	9
chr5	6801064	6801131	-	3	67	1	0	13
chr5	6801631	6801743	-	4	112	3	2	19
chr5	6804318	6804425	At5g20160	4	107	0	0	14
chr5	6808093	6808165	At5g20170	3	72	0	2	11
chr5	6809098	6809172	At5g20170	3	74	2	5	16
chr5	6823625	6823666	At5g20220	2	41	2	1	7
chr5	6827251	6827366	At5g20230	4	115	3	9	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	6828936	6829010	-	3	74	1	0	16
chr5	6834437	6834509	At5g20250	3	72	5	4	18
chr5	6835358	6835476	At5g20250	4	118	2	6	24
chr5	6836113	6836192	At5g20250	3	79	1	7	12
chr5	6836801	6836909	-	4	108	3	6	11
chr5	6840483	6840550	-	3	67	1	1	16
chr5	6847202	6847274	At5g20280	3	72	6	2	11
chr5	6849591	6849679	At5g20280	3	88	3	2	7
chr5	6850945	6851020	-	3	75	0	4	6
chr5	6853836	6853912	At5g20300	3	76	5	10	4
chr5	6856111	6856186	At5g20300	3	75	1	3	6
chr5	6869531	6869681	-	4	150	1	1	11
chr5	6874393	6874467	-	3	74	1	2	10
chr5	6878593	6878702	At5g20350	4	109	4	8	12
chr5	6905678	6905754	-	3	76	0	0	14
chr5	6910582	6910690	-	4	108	0	4	10
chr5	6911998	6912110	At5g20450	4	112	1	6	11
chr5	6922068	6922246	-	6	178	2	4	25
chr5	6925803	6925911	At5g20480	4	108	2	3	14
chr5	6932243	6932315	At5g20490	3	72	2	4	7
chr5	6934005	6934047	At5g20490	2	42	1	1	5
chr5	6934258	6934327	At5g20490	3	69	1	2	11
chr5	6937430	6937501	-	3	71	3	7	9
chr5	6938022	6938130	-	4	108	1	0	15
chr5	6938720	6938790	At5g20500	3	70	2	4	7
chr5	6942150	6942258	At5g20510	4	108	1	1	18
chr5	6943198	6943417	At5g20520	7	219	1	8	20
chr5	6955363	6955549	-	6	186	7	6	15
chr5	6956394	6956461	-	3	67	4	2	11
chr5	6965321	6965464	At5g20590	5	143	2	4	26
chr5	6976860	6976931	-	3	71	3	2	6
chr5	6987551	6987628	At5g20660	3	77	1	0	8
chr5	7013464	7013533	At5g20710	3	69	3	0	9
chr5	7014956	7015134	At5g20720	6	178	6	8	24
chr5	7019027	7019095	At5g20730	3	68	5	12	7
chr5	7023210	7023343	-	4	133	1	1	17
chr5	7045472	7045549	At5g20810	3	77	0	4	13
chr5	7050399	7050571	At5g20830	6	172	2	7	17
chr5	7058189	7058241	-	2	52	1	1	1
chr5	7059060	7059212	-	5	152	4	4	19
chr5	7059445	7059514	-	3	69	1	2	8
chr5	7072180	7072253	At5g20850	3	73	0	3	9
chr5	7078567	7078669	At5g20860	4	102	2	2	11
chr5	7083109	7083177	At5g20880	3	68	7	4	6
chr5	7083415	7083527	-	4	112	1	0	19
chr5	7090733	7090807	-	3	74	5	6	8
chr5	7093047	7093155	At5g20910	4	108	2	3	16
chr5	7102865	7103008	At5g20930	5	143	1	6	19
chr5	7104058	7104201	At5g20940	5	143	10	10	9
chr5	7113261	7113306	-	2	45	1	2	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	7128717	7128827	At5g20990	4	110	2	6	21
chr5	7129075	7129148	At5g20990	3	73	3	7	8
chr5	7130173	7130242	At5g20990	3	69	1	4	5
chr5	7131226	7131373	At5g20990	5	147	3	9	11
chr5	7138917	7138992	At5g21020	3	75	5	5	14
chr5	7142801	7142875	At5g21030	3	74	5	4	9
chr5	7146690	7146870	At5g21040	5	180	9	5	11
chr5	7149639	7149712	At5g21060	3	73	1	0	6
chr5	7157963	7158074	-	4	111	2	2	18
chr5	7160890	7161141	At5g21080	8	251	9	12	25
chr5	7162452	7162520	At5g21080	3	68	0	3	12
chr5	7162732	7162833	At5g21080	4	101	6	5	19
chr5	7166108	7166213	At5g21090	4	105	0	5	13
chr5	7167910	7168020	-	4	110	5	0	13
chr5	7183153	7183220	At5g21120	3	67	2	5	12
chr5	7206256	7206328	At5g21170	3	72	0	2	17
chr5	7243253	7243325	At5g21930	3	72	7	7	3
chr5	7250104	7250174	At5g21940	3	70	5	5	8
chr5	7252352	7252421	-	3	69	2	2	6
chr5	7253277	7253491	-	7	214	6	7	25
chr5	7260613	7260720	-	4	107	1	1	16
chr5	7263374	7263446	At5g21970	3	72	0	0	18
chr5	7263724	7263864	-	5	140	1	1	21
chr5	7272125	7272268	-	5	143	3	4	20
chr5	7288455	7288534	At5g22020	3	79	2	5	5
chr5	7291573	7291652	At5g22030	3	79	2	6	13
chr5	7298273	7298381	At5g22040	4	108	1	6	10
chr5	7319126	7319229	-	4	103	3	2	13
chr5	7331292	7331364	At5g22110	3	72	3	2	21
chr5	7333323	7333377	At5g22110	2	54	0	1	4
chr5	7333944	7334016	At5g22110	3	72	6	4	6
chr5	7340238	7340311	At5g22140	3	73	0	1	9
chr5	7343603	7343715	At5g22150	4	112	3	2	15
chr5	7364789	7364865	At5g22240	3	76	1	0	11
chr5	7374076	7374182	At5g22280	4	106	1	2	7
chr5	7375166	7375235	At5g22280	3	69	5	0	6
chr5	7379422	7379502	At5g22300	3	80	6	4	5
chr5	7383314	7383381	-	3	67	0	0	10
chr5	7384358	7384511	At5g22310	5	153	4	4	11
chr5	7393745	7393823	At5g22330	3	78	2	1	12
chr5	7400721	7400905	At5g22350	6	184	7	8	26
chr5	7402823	7402891	At5g22355	3	68	2	3	18
chr5	7403396	7403510	At5g22355	4	114	5	5	15
chr5	7408884	7409174	At5g22380	9	290	6	16	19
chr5	7411362	7411435	-	3	73	4	1	7
chr5	7425335	7425376	At5g22400	2	41	1	2	6
chr5	7428767	7428944	-	6	177	4	4	25
chr5	7432402	7432517	At5g22420	4	115	2	0	17
chr5	7446073	7446140	-	3	67	0	3	14
chr5	7446740	7446781	-	2	41	1	3	5

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	7451500	7451627	-	4	127	1	2	12
chr5	7460016	7460123	At5g22490	4	107	3	1	17
chr5	7460318	7460425	At5g22490	4	107	3	2	19
chr5	7463825	7463866	-	2	41	2	4	3
chr5	7475514	7475661	At5g22510	5	147	2	4	25
chr5	7492838	7492979	At5g22560	5	141	6	8	21
chr5	7496470	7496608	At5g22570	5	138	4	7	21
chr5	7496800	7496868	-	3	68	3	1	11
chr5	7517449	7517557	-	4	108	5	2	18
chr5	7541392	7541501	At5g22690	4	109	8	5	12
chr5	7556582	7556773	At5g22740	6	191	9	11	16
chr5	7559263	7559444	At5g22740	6	181	8	5	11
chr5	7563772	7563845	-	3	73	3	1	11
chr5	7571647	7571720	At5g22760	3	73	3	5	18
chr5	7586462	7586608	At5g22770	5	146	2	7	14
chr5	7594696	7594769	At5g22780	3	73	0	2	11
chr5	7595407	7595515	At5g22780	4	108	1	0	17
chr5	7601369	7601485	At5g22790	4	116	6	7	8
chr5	7608083	7608150	-	3	67	2	0	7
chr5	7608596	7608696	-	4	100	1	4	14
chr5	7616362	7616430	At5g22800	3	68	0	3	13
chr5	7625711	7625821	At5g22820	4	110	2	6	11
chr5	7643647	7643698	-	2	51	3	2	1
chr5	7647258	7647399	At5g22870	5	141	8	8	13
chr5	7650503	7650646	-	5	143	7	7	7
chr5	7653791	7653930	At5g22890	5	139	5	4	21
chr5	7655895	7656006	-	4	111	5	3	6
chr5	7657680	7657748	At5g22900	3	68	1	4	13
chr5	7661231	7661412	At5g22910	6	181	7	3	14
chr5	7662096	7662207	At5g22910	4	111	2	0	19
chr5	7670852	7670963	-	4	111	1	3	14
chr5	7676294	7676368	-	3	74	3	3	11
chr5	7686484	7686625	At5g22970	5	141	7	6	14
chr5	7687529	7687601	-	3	72	2	0	13
chr5	7694005	7694081	-	3	76	2	2	5
chr5	7723313	7723414	-	4	101	4	2	15
chr5	7728137	7728210	-	3	73	6	2	6
chr5	7728473	7728551	-	3	78	1	0	9
chr5	7732349	7732456	At5g23050	4	107	1	4	12
chr5	7742154	7742261	At5g23070	4	107	10	5	6
chr5	7743029	7743100	At5g23070	3	71	1	3	9
chr5	7745669	7745774	At5g23080	4	105	0	5	17
chr5	7764288	7764434	At5g23110	5	146	1	4	22
chr5	7773893	7774043	At5g23110	5	150	2	5	20
chr5	7780157	7780231	At5g23120	3	74	3	5	11
chr5	7784019	7784094	At5g23140	3	75	5	3	5
chr5	7786984	7787128	At5g23150	5	144	0	5	22
chr5	7789381	7789447	At5g23150	3	66	1	2	9
chr5	7820694	7820768	-	3	74	5	3	10
chr5	7827924	7828025	At5g23235	4	101	4	6	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	7831649	7831755	At5g23250	4	106	0	5	20
chr5	7834102	7834143	-	2	41	0	0	6
chr5	7842989	7843096	At5g23280	4	107	4	1	10
chr5	7849556	7849666	At5g23300	4	110	2	10	13
chr5	7851844	7851885	At5g23310	2	41	1	2	5
chr5	7853957	7854033	At5g23320	3	76	0	2	11
chr5	7861793	7861894	At5g23360	4	101	1	6	12
chr5	7871558	7871630	At5g23390	3	72	0	1	12
chr5	7877218	7877296	-	3	78	2	1	7
chr5	7885697	7885802	At5g23410	4	105	3	4	9
chr5	7891979	7892022	-	2	43	0	0	7
chr5	7898387	7898532	At5g23430	5	145	3	6	22
chr5	7907514	7907650	At5g23450	5	136	4	5	20
chr5	7916798	7916898	-	4	100	0	4	20
chr5	7917865	7917940	-	3	75	2	1	14
chr5	7919899	7919974	At5g23490	3	75	2	5	10
chr5	7921719	7921837	At5g23490	4	118	1	3	10
chr5	7923181	7923255	At5g23490	3	74	0	3	9
chr5	7932999	7933070	At5g23530	3	71	2	3	5
chr5	7941487	7941629	At5g23550	5	142	1	4	16
chr5	7947462	7947536	At5g23575	3	74	2	6	9
chr5	7949603	7949716	At5g23575	4	113	0	4	19
chr5	7959697	7959801	At5g23610	4	104	8	9	4
chr5	7973690	7973764	At5g23660	3	74	2	1	16
chr5	7983347	7983453	At5g23670	4	106	1	5	19
chr5	7985127	7985197	At5g23670	3	70	0	4	8
chr5	7988874	7988983	At5g23690	4	109	0	2	21
chr5	8003666	8003811	-	5	145	3	3	16
chr5	8019569	8019620	-	2	51	0	0	11
chr5	8029208	8029388	At5g23810	6	180	2	2	19
chr5	8033461	8033563	-	4	102	6	7	10
chr5	8038849	8038890	At5g23850	2	41	2	3	8
chr5	8046793	8046865	At5g23870	3	72	3	5	14
chr5	8054811	8054882	At5g23880	3	71	0	2	8
chr5	8062256	8062328	At5g23890	3	72	2	5	13
chr5	8069300	8069372	At5g23910	3	72	1	2	11
chr5	8108405	8108472	At5g23990	3	67	2	0	19
chr5	8114021	8114089	At5g24010	3	68	4	6	2
chr5	8117396	8117467	At5g24020	3	71	2	3	21
chr5	8130675	8130748	At5g24060	3	73	2	5	6
chr5	8143796	8144058	-	8	262	5	13	26
chr5	8158541	8158683	At5g24120	5	142	5	6	16
chr5	8162288	8162361	At5g24130	3	73	8	7	8
chr5	8163756	8163870	At5g24130	4	114	2	7	16
chr5	8164526	8164597	At5g24140	3	71	4	5	11
chr5	8170323	8170393	-	3	70	1	2	7
chr5	8174538	8174615	At5g24150	3	77	6	3	10
chr5	8184420	8184528	At5g24160	4	108	4	2	16
chr5	8188452	8188517	-	3	65	1	3	6
chr5	8189143	8189262	At5g24165	4	119	2	4	16

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	8203704	8203855	At5g24200	5	151	2	3	19
chr5	8218285	8218439	At5g24210	5	154	4	2	23
chr5	8221700	8221772	-	3	72	1	1	14
chr5	8225917	8225994	At5g24220	3	77	0	2	10
chr5	8231298	8231372	At5g24240	3	74	2	4	12
chr5	8242706	8242777	-	3	71	1	3	9
chr5	8264979	8265091	At5g24290	4	112	4	3	9
chr5	8270141	8270182	At5g24300	2	41	0	1	6
chr5	8275918	8276032	At5g24310	4	114	6	10	10
chr5	8277734	8277840	-	4	106	2	4	7
chr5	8279741	8279844	At5g24316	4	103	2	2	13
chr5	8295373	8295446	At5g24330	3	73	0	2	10
chr5	8303797	8303871	At5g24350	3	74	1	4	13
chr5	8324378	8324483	At5g24380	4	105	6	3	17
chr5	8326966	8327036	At5g24390	3	70	3	2	13
chr5	8330485	8330631	At5g24400	5	146	1	14	14
chr5	8333072	8333144	At5g24410	3	72	2	3	12
chr5	8335200	8335314	-	4	114	2	1	7
chr5	8340076	8340191	At5g24430	4	115	2	1	11
chr5	8354999	8355109	At5g24460	4	110	11	5	3
chr5	8389721	8389795	-	3	74	2	3	8
chr5	8403627	8403685	-	2	58	2	0	9
chr5	8417467	8417687	At5g24590	7	220	7	10	27
chr5	8426488	8426632	-	5	144	1	1	19
chr5	8434629	8434706	At5g24630	3	77	0	4	9
chr5	8436435	8436615	At5g24640	6	180	8	8	19
chr5	8445992	8446098	-	4	106	2	4	9
chr5	8455892	8455963	At5g24680	3	71	2	4	15
chr5	8459971	8460163	At5g24710	6	192	5	7	14
chr5	8463081	8463332	At5g24710	8	251	5	7	24
chr5	8468388	8468501	-	4	113	3	2	11
chr5	8469696	8469769	-	3	73	2	2	14
chr5	8472431	8472507	At5g24740	3	76	2	2	11
chr5	8473657	8473728	At5g24740	3	71	1	4	10
chr5	8474049	8474123	At5g24740	3	74	0	4	8
chr5	8474451	8474554	At5g24740	4	103	2	5	14
chr5	8483810	8483922	At5g24740	4	112	2	4	12
chr5	8488150	8488222	At5g24740	3	72	1	3	12
chr5	8489361	8489432	At5g24740	3	71	3	3	10
chr5	8491251	8491467	At5g24750	7	216	1	4	27
chr5	8495516	8495623	At5g24760	4	107	2	5	9
chr5	8497205	8497281	At5g24760	3	76	3	3	16
chr5	8501662	8501735	At5g24770	3	73	3	3	13
chr5	8521649	8521727	At5g24810	3	78	3	5	7
chr5	8552978	8553128	At5g24880	5	150	8	7	8
chr5	8563943	8564087	At5g24900	5	144	1	3	22
chr5	8580037	8580149	-	4	112	0	0	6
chr5	8580368	8580478	-	4	110	1	1	20
chr5	8593259	8593369	At5g24940	4	110	2	4	12
chr5	8593951	8594097	-	5	146	4	0	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	8604662	8604738	At5g24970	3	76	1	3	15
chr5	8621983	8622092	-	4	109	1	3	9
chr5	8639552	8639619	At5g25060	3	67	0	1	10
chr5	8640123	8640164	At5g25060	2	41	3	0	15
chr5	8646186	8646296	At5g25080	4	110	5	10	16
chr5	8647476	8647725	At5g25090	8	249	5	10	32
chr5	8647975	8648084	-	4	109	4	7	12
chr5	8650610	8650751	At5g25100	5	141	6	1	12
chr5	8663303	8663377	At5g25120	3	74	3	4	15
chr5	8671497	8671567	-	3	70	1	0	10
chr5	8674922	8674999	-	3	77	0	0	10
chr5	8694259	8694332	At5g25170	3	73	2	4	21
chr5	8695423	8695532	At5g25180	4	109	2	1	13
chr5	8704712	8704786	-	3	74	3	3	6
chr5	8737560	8737601	At5g25220	2	41	0	1	7
chr5	8769254	8769328	-	3	74	1	1	9
chr5	8782017	8782094	At5g25300	3	77	3	0	13
chr5	8786742	8786817	At5g25310	3	75	8	9	4
chr5	8795653	8795762	At5g25350	4	109	3	7	11
chr5	8796901	8797008	At5g25350	4	107	2	1	24
chr5	8806888	8806967	At5g25370	3	79	3	0	13
chr5	8814568	8814677	-	4	109	7	5	5
chr5	8815030	8815140	-	4	110	1	1	16
chr5	8821558	8821631	At5g25390	3	73	4	1	13
chr5	8823484	8823559	At5g25400	3	75	7	5	7
chr5	8829620	8829661	-	2	41	0	1	8
chr5	8840226	8840291	At5g25420	3	65	1	4	10
chr5	8840409	8840483	At5g25420	3	74	2	3	11
chr5	8849724	8849765	-	2	41	2	0	4
chr5	8868942	8869049	At5g25475	4	107	3	3	16
chr5	8871360	8871474	At5g25480	4	114	2	1	12
chr5	8878608	8878714	-	4	106	6	1	8
chr5	8881766	8881909	At5g25500	5	143	3	8	21
chr5	8891573	8891710	At5g25540	5	137	0	2	13
chr5	8893675	8893716	-	2	41	0	1	3
chr5	8897737	8897845	-	4	108	3	2	16
chr5	8900884	8901034	At5g25560	5	150	2	7	20
chr5	8901210	8901275	At5g25560	2	65	1	3	7
chr5	8904633	8904705	At5g25580	3	72	2	0	15
chr5	8906493	8906570	-	3	77	0	2	8
chr5	8908635	8908777	At5g25590	5	142	1	2	11
chr5	8919713	8919824	-	4	111	2	2	18
chr5	8922524	8922590	-	3	66	1	0	8
chr5	8967442	8967489	At5g25754	2	47	3	5	4
chr5	8971832	8972002	At5g25770	6	170	6	7	26
chr5	8976964	8977061	-	4	97	2	1	9
chr5	8998965	8999070	At5g25820	4	105	5	7	17
chr5	8999967	9000122	At5g25820	5	155	1	5	13
chr5	9019134	9019203	-	3	69	1	2	10
chr5	9027763	9027836	At5g25880	3	73	3	3	5

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	9033853	9033926	At5g25890	3	73	3	3	18
chr5	9041007	9041077	At5g25910	3	70	2	3	10
chr5	9045696	9045807	At5g25920	4	111	1	1	10
chr5	9047219	9047355	-	4	136	1	2	15
chr5	9050983	9051056	At5g25930	3	73	7	10	5
chr5	9062848	9062920	-	3	72	3	1	10
chr5	9063399	9063468	At5g25960	3	69	3	1	6
chr5	9076527	9076638	At5g25990	3	111	1	3	12
chr5	9081467	9081531	At5g26000	3	64	3	3	16
chr5	9100706	9100811	At5g26040	4	105	2	3	6
chr5	9101569	9101722	At5g26040	5	153	9	6	20
chr5	9111367	9111582	At5g26090	7	215	11	12	19
chr5	9122018	9122277	At5g26120	8	259	2	8	25
chr5	9131139	9131277	At5g26140	5	138	1	4	26
chr5	9131380	9131487	At5g26140	4	107	4	2	23
chr5	9137635	9137711	At5g26150	3	76	2	4	12
chr5	9193682	9193753	At5g26240	3	71	3	2	11
chr5	9196453	9196494	-	2	41	0	1	8
chr5	9200654	9200763	At5g26260	3	109	1	2	4
chr5	9201400	9201467	At5g26260	3	67	4	5	4
chr5	9204598	9204663	-	3	65	1	0	9
chr5	9208149	9208226	-	3	77	2	2	5
chr5	9263542	9263656	At5g26570	4	114	1	3	21
chr5	9265207	9265281	At5g26570	3	74	2	7	10
chr5	9289076	9289151	-	3	75	0	3	16
chr5	9293460	9293566	At5g26740	4	106	1	4	11
chr5	9294291	9294365	At5g26740	3	74	1	3	12
chr5	9307876	9308033	At5g26710	5	157	1	7	17
chr5	9310593	9310666	-	3	73	1	1	7
chr5	9327325	9327398	-	3	73	1	3	8
chr5	9347930	9347999	At5g26640	3	69	1	2	14
chr5	9362923	9363000	-	2	77	1	0	5
chr5	9369390	9369438	-	2	48	0	0	4
chr5	9376412	9376485	At5g26610	3	73	3	4	16
chr5	9387957	9388065	-	4	108	2	0	16
chr5	9388431	9388472	-	2	41	0	2	1
chr5	9390170	9390246	At5g26582	3	76	3	3	6
chr5	9421071	9421178	At5g26780	4	107	3	5	14
chr5	9424450	9424616	-	6	166	8	5	25
chr5	9425218	9425356	-	5	138	11	10	11
chr5	9430181	9430256	-	3	75	1	3	8
chr5	9452046	9452158	At5g26860	4	112	0	4	15
chr5	9457144	9457214	At5g26870	3	70	1	5	10
chr5	9457985	9458055	At5g26880	3	70	2	1	9
chr5	9463596	9463642	-	2	46	2	2	1
chr5	9470103	9470172	-	3	69	1	2	16
chr5	9475264	9475332	-	3	68	1	5	6
chr5	9490418	9490523	At5g26980	4	105	10	6	9
chr5	9491308	9491383	-	3	75	3	1	14
chr5	9498063	9498136	At5g27000	3	73	5	5	4

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	9506004	9506079	At5g27010	3	75	1	3	12
chr5	9508742	9508898	-	5	156	1	2	17
chr5	9510887	9510958	At5g27030	3	71	1	6	5
chr5	9519741	9519850	At5g27043	4	109	5	7	16
chr5	9523068	9523140	At5g27060	3	72	2	3	8
chr5	9538132	9538205	At5g27090	3	73	2	4	13
chr5	9554742	9554783	At5g27090	2	41	0	1	7
chr5	9555348	9555458	At5g27090	4	110	1	6	12
chr5	9562022	9562095	At5g27090	3	73	2	6	6
chr5	9578940	9579076	At5g27090	5	136	2	3	34
chr5	9594749	9594812	At5g27090	2	63	0	1	7
chr5	9597138	9597184	At5g27090	2	46	1	1	8
chr5	9608865	9608935	At5g27090	3	70	2	3	9
chr5	9609182	9609394	At5g27090	7	212	2	11	24
chr5	9615330	9615434	At5g27090	4	104	3	1	16
chr5	9623510	9623581	At5g27090	3	71	1	0	5
chr5	9646338	9646385	At5g27090	2	47	0	0	6
chr5	9661876	9661926	At5g27090	2	50	1	1	8
chr5	9667150	9667291	At5g27090	5	141	4	2	6
chr5	9668829	9668961	At5g27090	4	132	2	6	12
chr5	9669842	9670031	At5g27090	6	189	5	7	19
chr5	9676896	9676942	At5g27090	2	46	0	1	9
chr5	9689722	9689796	At5g27090	3	74	2	1	5
chr5	9691643	9691755	At5g27090	4	112	0	4	15
chr5	9696148	9696299	At5g27090	5	151	2	4	24
chr5	9701927	9701997	At5g27090	3	70	1	2	9
chr5	9709162	9709271	At5g27090	4	109	3	4	17
chr5	9715876	9716018	At5g27090	5	142	2	7	17
chr5	9723890	9723965	At5g27090	3	75	1	4	8
chr5	9727029	9727136	At5g27090	4	107	3	6	16
chr5	9730354	9730464	At5g27090	4	110	2	3	15
chr5	9743999	9744075	At5g27600	3	76	0	2	15
chr5	9759487	9759530	At5g36010	2	43	1	0	11
chr5	9769934	9770002	At5g36010	3	68	0	2	5
chr5	9771757	9771860	At5g27620	4	103	3	6	9
chr5	9772195	9772326	At5g27620	4	131	0	1	19
chr5	9773467	9773575	At5g27620	4	108	0	2	16
chr5	9773972	9774082	At5g27620	4	110	5	1	20
chr5	9784588	9784665	At5g27640	3	77	3	3	7
chr5	9785202	9785267	At5g27640	3	65	4	5	13
chr5	9792111	9792155	At5g27660	2	44	2	2	5
chr5	9805986	9806093	At5g36010	4	107	2	2	12
chr5	9808698	9808739	At5g36010	2	41	0	0	4
chr5	9810675	9810772	At5g36010	4	97	2	5	17
chr5	9819237	9819324	At5g36010	3	87	2	2	8
chr5	9821848	9821950	At5g27730	4	102	3	3	18
chr5	9825339	9825380	At5g27740	2	41	1	1	8
chr5	9846500	9846574	At5g36010	3	74	3	2	10
chr5	9877178	9877248	At5g36010	3	70	3	2	18
chr5	9879007	9879184	At5g27870	6	177	2	12	39

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	9916232	9916336	At5g27900	4	104	3	7	13
chr5	9917211	9917321	At5g27900	4	110	3	7	18
chr5	9943268	9943412	At5g27920	5	144	0	4	16
chr5	9964635	9964714	At5g36010	2	79	1	1	6
chr5	9975426	9975535	At5g36010	4	109	0	4	21
chr5	9978055	9978128	At5g36010	3	73	2	2	7
chr5	9984996	9985069	At5g27950	3	73	0	2	18
chr5	9989031	9989170	At5g36010	5	139	1	6	21
chr5	10008638	10008707	At5g27970	3	69	2	4	8
chr5	10011174	10011284	At5g27970	4	110	0	4	14
chr5	10014293	10014334	At5g27970	2	41	1	3	10
chr5	10017120	10017294	At5g27990	6	174	6	10	15
chr5	10024718	10024821	At5g36010	4	103	0	1	18
chr5	10026432	10026501	At5g28020	3	69	5	5	3
chr5	10041682	10041742	At5g36010	2	60	0	0	7
chr5	10062748	10062819	At5g28056	3	71	0	1	14
chr5	10070712	10070786	At5g28060	3	74	3	3	18
chr5	10088537	10088617	At5g28076	3	80	1	3	4
chr5	10088741	10088842	At5g28076	4	101	3	2	14
chr5	10093119	10093194	At5g36010	3	75	0	1	6
chr5	10133020	10133092	At5g28145	3	72	3	3	4
chr5	10139218	10139510	At5g36010	9	292	2	6	35
chr5	10148906	10149016	At5g36010	4	110	3	2	7
chr5	10149268	10149338	At5g36010	3	70	2	3	4
chr5	10150284	10150359	At5g36010	3	75	1	1	14
chr5	10163598	10163780	At5g28180	6	182	0	4	33
chr5	10164384	10164565	At5g36010	6	181	0	10	17
chr5	10176069	10176145	At5g36010	3	76	1	0	5
chr5	10204047	10204117	At5g28810	3	70	1	3	10
chr5	10211185	10211237	At5g28237	2	52	0	0	12
chr5	10215144	10215223	At5g36010	3	79	1	1	8
chr5	10220029	10220151	At5g28250	4	122	8	4	14
chr5	10265388	10265460	At5g28285	3	72	1	0	10
chr5	10268909	10268950	At5g36010	2	41	0	0	9
chr5	10273686	10273756	At5g36010	3	70	0	2	14
chr5	10298230	10298338	At5g36010	4	108	1	3	14
chr5	10304508	10304646	At5g28320	3	138	3	4	9
chr5	10315706	10315782	At5g28340	3	76	2	3	11
chr5	10373182	10373291	At5g28450	4	109	2	5	11
chr5	10388769	10388841	At5g36010	3	72	2	1	11
chr5	10424981	10425055	At5g36010	3	74	0	3	7
chr5	10470786	10470856	At5g28497	3	70	0	1	14
chr5	10477543	10477666	At5g36010	4	123	3	3	15
chr5	10489222	10489296	At5g36010	3	74	0	0	6
chr5	10496503	10496613	At5g36010	4	110	0	0	16
chr5	10546135	10546211	At5g36010	3	76	0	1	21
chr5	10556420	10556560	At5g36010	5	140	2	0	21
chr5	10563796	10563860	At5g36010	2	64	0	0	2
chr5	10612316	10612431	At5g28615	4	115	0	6	13
chr5	10615768	10615875	At5g30852	4	107	2	0	20

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	10616457	10616527	At5g30852	3	70	2	5	12
chr5	10619194	10619315	At5g30852	4	121	1	0	17
chr5	10623015	10623087	At5g30852	3	72	7	4	8
chr5	10631985	10632050	At5g30852	3	65	2	1	17
chr5	10640988	10641126	At5g28635	5	138	7	4	20
chr5	10642268	10642340	At5g28635	3	72	2	1	16
chr5	10653718	10653788	At5g30852	3	70	6	3	10
chr5	10674014	10674126	At5g30852	4	112	4	2	12
chr5	10693478	10693555	At5g28670	3	77	1	3	11
chr5	10710092	10710307	At5g28675	7	215	1	4	37
chr5	10711340	10711413	At5g28675	3	73	0	3	14
chr5	10712103	10712179	At5g28675	3	76	0	3	13
chr5	10716465	10716525	At5g30852	2	60	0	0	7
chr5	10719454	10719521	At5g28680	3	67	3	6	7
chr5	10720617	10720762	At5g28680	5	145	2	8	16
chr5	10727494	10727575	At5g30852	3	81	1	3	14
chr5	10741831	10741989	At5g28593	5	158	0	3	13
chr5	10746570	10746646	At5g28593	3	76	0	1	19
chr5	10747484	10747619	At5g28593	5	135	7	4	27
chr5	10791918	10791991	At5g28593	3	73	3	1	11
chr5	10805153	10805228	At5g28593	3	75	1	0	13
chr5	10813181	10813324	At5g28593	5	143	3	3	22
chr5	10817293	10817455	At5g28593	5	162	4	4	21
chr5	10828503	10828651	At5g28593	5	148	2	4	19
chr5	10829785	10829826	At5g28593	2	41	1	0	8
chr5	10851489	10851599	At5g28593	4	110	0	6	13
chr5	10853368	10853448	At5g28593	3	80	0	3	14
chr5	10858434	10858503	At5g28593	3	69	2	3	11
chr5	10867745	10867786	At5g28593	2	41	0	0	8
chr5	10872006	10872063	At5g28593	2	57	0	0	13
chr5	10872869	10872937	At5g28593	2	68	0	0	4
chr5	10884132	10884202	At5g28593	3	70	4	3	11
chr5	10908095	10908164	At5g28593	3	69	1	3	16
chr5	10911241	10911353	At5g28593	4	112	2	1	17
chr5	10950134	10950246	At5g28593	4	112	7	2	12
chr5	10960216	10960320	At5g28593	4	104	4	3	11
chr5	10969400	10969474	At5g28593	3	74	1	0	15
chr5	10998108	10998287	At5g28593	6	179	8	9	28
chr5	11023319	11023428	At5g28593	4	109	3	5	14
chr5	11024254	11024335	At5g28593	3	81	1	2	14
chr5	11031857	11031959	At5g28593	4	102	2	2	20
chr5	11038682	11038780	At5g28593	4	98	4	2	16
chr5	11063807	11063875	At5g28593	3	68	1	1	15
chr5	11106396	11106538	At5g28593	5	142	3	3	19
chr5	11109868	11110010	At5g28593	4	142	2	0	22
chr5	11120980	11121049	At5g28593	2	69	3	1	13
chr5	11192002	11192074	At5g28593	3	72	3	2	19
chr5	11221783	11221824	At5g28593	2	41	1	3	7
chr5	11227277	11227381	At5g28593	4	104	0	4	17
chr5	11231466	11231580	At5g28593	3	114	0	2	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	11242090	11242162	At5g28593	3	72	7	5	12
chr5	11248487	11248559	At5g28593	3	72	1	1	8
chr5	11248799	11248865	At5g28593	2	66	1	0	8
chr5	11254637	11254709	At5g28593	3	72	4	2	9
chr5	11257650	11257722	At5g28593	3	72	0	2	11
chr5	11269261	11269302	At5g28593	2	41	0	2	3
chr5	11277106	11277158	At5g28593	2	52	0	0	9
chr5	11314621	11314730	At5g28593	4	109	3	3	16
chr5	11326543	11326622	At5g28593	3	79	0	1	13
chr5	11331772	11331823	At5g28593	2	51	1	1	10
chr5	11331925	11332073	At5g28593	5	148	3	3	26
chr5	11349238	11349313	At5g28593	3	75	0	4	7
chr5	11367316	11367428	At5g28593	4	112	6	7	16
chr5	11411505	11411576	At5g28593	3	71	2	2	5
chr5	11492113	11492224	At5g28593	4	111	1	2	13
chr5	11504102	11504190	At5g28593	3	88	1	2	13
chr5	11508261	11508399	At5g28593	5	138	3	0	16
chr5	11514713	11514932	At5g28593	7	219	4	2	22
chr5	11516668	11516779	At5g28593	4	111	2	9	15
chr5	11542629	11542739	At5g28593	3	110	0	2	11
chr5	11577952	11578016	At5g28593	3	64	0	2	7
chr5	11580822	11580961	At5g28593	5	139	1	4	20
chr5	11582365	11582547	At5g28593	6	182	2	6	33
chr5	11598320	11598393	At5g28593	3	73	2	2	11
chr5	11619232	11619310	At5g28593	3	78	0	3	12
chr5	11625737	11625811	At5g29033	3	74	0	1	16
chr5	11637049	11637156	At5g29033	4	107	3	5	15
chr5	11642416	11642487	At5g29033	3	71	0	1	8
chr5	11654193	11654301	At5g29033	4	108	1	3	10
chr5	11661511	11661558	At5g29033	2	47	0	1	5
chr5	11816207	11816285	At5g29034	3	78	2	2	12
chr5	11923046	11923117	At5g29034	2	71	0	0	7
chr5	12000238	12000311	At5g29034	3	73	1	1	15
chr5	12023079	12023188	At5g29034	4	109	0	0	19
chr5	12041185	12041259	At5g29034	3	74	2	1	7
chr5	12096866	12096979	At5g29034	4	113	3	6	8
chr5	12103842	12103913	At5g29034	3	71	0	4	9
chr5	12105715	12105822	At5g29034	4	107	11	5	24
chr5	12225583	12225649	At5g29034	3	66	3	2	8
chr5	12259541	12259611	At5g29041	3	70	2	1	8
chr5	12274542	12274690	At5g29041	5	148	6	7	23
chr5	12307718	12307793	At5g28593	3	75	0	6	11
chr5	12311406	12311480	At5g28593	3	74	0	3	22
chr5	12321190	12321259	At5g28593	2	69	0	0	2
chr5	12343364	12343443	At5g29046	3	79	1	1	15
chr5	12362378	12362447	At5g29046	3	69	0	4	12
chr5	12363054	12363139	At5g29046	3	85	0	4	8
chr5	12382040	12382261	At5g29380	6	221	0	3	20
chr5	12409616	12409680	At5g29380	3	64	4	1	14
chr5	12421822	12421884	At5g29380	2	62	1	1	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	12491268	12491321	At5g29032	2	53	1	2	8
chr5	12491984	12492099	At5g29032	3	115	0	5	16
chr5	12504178	12504229	At5g29380	2	51	0	2	6
chr5	12507154	12507230	At5g29380	2	76	0	1	9
chr5	12516258	12516373	At5g29380	4	115	7	5	9
chr5	12545149	12545200	At5g29380	2	51	1	4	8
chr5	12557763	12557865	At5g29380	4	102	1	3	13
chr5	12561277	12561359	At5g29380	3	82	1	6	9
chr5	12564073	12564213	At5g29380	4	140	0	2	14
chr5	12585770	12585811	At5g29380	2	41	1	0	2
chr5	12605729	12605853	At5g29380	4	124	4	2	13
chr5	12617335	12617399	At5g29380	2	64	2	0	2
chr5	12626185	12626294	At5g29380	4	109	4	5	15
chr5	12627811	12627882	At5g29380	3	71	1	2	11
chr5	12645377	12645448	At5g29380	3	71	0	2	15
chr5	12685730	12685791	At5g29041	2	61	1	2	6
chr5	12693064	12693140	At5g29041	3	76	1	2	9
chr5	12693276	12693347	At5g29041	3	71	0	2	11
chr5	12696778	12696923	At5g29041	5	145	1	6	11
chr5	12726649	12726717	At5g29041	3	68	0	1	19
chr5	12727458	12727531	At5g29041	3	73	1	0	17
chr5	12740711	12740778	At5g29041	3	67	2	5	14
chr5	12746538	12746604	At5g29041	3	66	0	3	7
chr5	12797293	12797405	At5g29041	4	112	2	5	20
chr5	12849984	12850053	At5g29035	3	69	3	5	6
chr5	12892335	12892449	At5g29035	4	114	3	1	13
chr5	12895143	12895282	At5g29035	4	139	4	1	10
chr5	12907429	12907498	At5g29035	2	69	0	2	12
chr5	12939835	12939941	At5g29035	4	106	1	0	22
chr5	12970809	12970957	At5g29035	5	148	0	2	17
chr5	12975956	12976031	At5g29035	3	75	0	3	11
chr5	12997701	12997809	At5g29035	4	108	2	6	16
chr5	13006740	13006811	At5g29035	3	71	3	8	4
chr5	13022335	13022407	At5g29035	3	72	0	2	14
chr5	13031300	13031341	At5g29035	2	41	1	0	12
chr5	13047097	13047138	At5g29035	2	41	0	1	4
chr5	13050451	13050532	At5g29035	3	81	2	2	10
chr5	13052196	13052244	At5g29035	2	48	0	1	10
chr5	13054738	13054809	At5g29035	3	71	1	2	20
chr5	13064130	13064200	At5g29035	3	70	2	4	11
chr5	13067343	13067385	At5g29035	2	42	0	0	3
chr5	13095127	13095203	At5g29035	3	76	1	1	7
chr5	13107856	13107932	At5g29035	2	76	0	2	10
chr5	13147725	13147841	At5g29035	4	116	1	0	17
chr5	13153519	13153664	At5g29035	5	145	4	9	20
chr5	13154912	13154983	At5g29035	3	71	0	5	15
chr5	13171773	13171887	At5g32254	4	114	0	1	15
chr5	13183095	13183160	At5g32254	2	65	1	2	12
chr5	13235193	13235261	At5g32254	3	68	0	2	8
chr5	13250635	13250705	At5g32254	3	70	1	2	4

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	13252838	13252914	At5g32254	3	76	3	1	13
chr5	13266764	13266885	At5g32254	3	121	1	4	9
chr5	13273171	13273319	At5g32254	5	148	0	6	19
chr5	13309951	13310004	At5g32254	2	53	0	1	10
chr5	13332535	13332605	At5g32254	3	70	3	2	15
chr5	13332846	13332916	At5g32254	3	70	0	2	15
chr5	13349404	13349476	At5g33383	3	72	3	1	15
chr5	13370369	13370485	At5g33383	4	116	2	4	15
chr5	13377020	13377088	At5g33383	3	68	1	5	6
chr5	13398244	13398383	At5g33383	5	139	0	5	27
chr5	13432193	13432267	At5g34990	3	74	1	2	19
chr5	13433736	13433847	At5g34990	4	111	5	4	17
chr5	13435803	13435871	At5g34990	3	68	0	1	9
chr5	13439276	13439415	At5g34990	5	139	1	5	26
chr5	13443738	13443926	At5g34990	6	188	2	2	29
chr5	13447853	13448002	At5g34990	5	149	3	6	20
chr5	13457245	13457322	At5g34990	3	77	3	4	9
chr5	13459196	13459272	At5g34990	3	76	0	1	15
chr5	13463436	13463488	At5g34990	2	52	1	1	6
chr5	13513107	13513176	At5g34990	3	69	3	0	10
chr5	13516753	13516844	At5g34990	3	91	0	0	7
chr5	13525298	13525369	At5g34990	3	71	1	1	17
chr5	13537219	13537266	At5g34990	2	47	0	0	3
chr5	13556055	13556132	At5g34990	3	77	0	0	14
chr5	13561086	13561155	At5g34990	3	69	2	1	11
chr5	13562776	13562841	At5g34990	2	65	0	1	4
chr5	13573070	13573213	At5g34990	5	143	1	1	20
chr5	13577292	13577419	At5g34990	4	127	4	6	5
chr5	13585508	13585579	At5g34990	3	71	0	2	13
chr5	13593404	13593472	At5g34990	3	68	2	0	10
chr5	13603212	13603356	At5g34990	5	144	3	7	17
chr5	13637707	13637748	At5g34990	2	41	0	0	4
chr5	13645025	13645243	At5g34990	7	218	3	1	22
chr5	13655235	13655312	At5g34990	3	77	1	3	9
chr5	13663507	13663613	At5g34990	4	106	3	1	17
chr5	13671868	13671937	At5g34990	3	69	0	0	5
chr5	13687709	13687849	At5g34990	5	140	4	1	33
chr5	13689189	13689298	At5g34990	4	109	1	2	11
chr5	13690741	13690851	At5g34990	4	110	4	6	18
chr5	13698793	13698863	At5g34990	3	70	5	1	13
chr5	13712180	13712221	At5g34990	2	41	0	1	16
chr5	13719018	13719092	At5g34990	3	74	2	2	11
chr5	13754213	13754287	At5g34990	3	74	1	5	6
chr5	13756065	13756132	At5g34990	3	67	0	1	11
chr5	13768674	13768844	At5g34990	6	170	5	5	20
chr5	13769037	13769110	At5g34990	3	73	1	3	9
chr5	13787967	13788115	At5g34990	5	148	2	6	15
chr5	13793410	13793518	At5g34990	4	108	2	5	9
chr5	13810163	13810273	At5g34990	4	110	0	1	21
chr5	13830950	13831075	At5g34990	3	125	0	0	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	13844932	13845004	At5g34990	3	72	1	2	3
chr5	13851643	13851715	At5g34990	3	72	5	3	9
chr5	13888964	13889076	-	4	112	0	2	19
chr5	13893741	13893813	At5g35700	3	72	3	2	5
chr5	13899701	13899803	At5g35715	4	102	1	3	16
chr5	13903557	13903627	At5g35725	3	70	3	5	13
chr5	13903989	13904030	At5g35725	2	41	1	1	3
chr5	13916896	13917007	-	4	111	6	2	10
chr5	13926780	13927072	At5g35738	9	292	3	10	42
chr5	13931902	13931974	At5g35750	3	72	1	3	13
chr5	13933500	13933608	At5g35750	4	108	2	3	9
chr5	13937203	13937278	-	3	75	5	0	7
chr5	13952501	13952573	-	3	72	0	2	8
chr5	13961706	13961809	-	4	103	0	1	16
chr5	13972602	13972701	-	4	99	6	6	12
chr5	13973596	13973713	At5g35780	4	117	1	4	18
chr5	13991926	13992027	-	4	101	1	2	22
chr5	13994072	13994141	-	3	69	5	2	11
chr5	14003598	14003710	-	4	112	2	0	6
chr5	14025983	14026061	At5g35840	3	78	2	4	20
chr5	14026814	14026921	At5g35840	4	107	2	5	24
chr5	14028385	14028456	At5g35840	3	71	2	7	9
chr5	14050290	14050439	At5g35910	5	149	1	3	16
chr5	14067374	14067521	At5g35917	5	147	3	5	15
chr5	14074093	14074167	At5g35920	3	74	2	3	9
chr5	14094933	14095007	At5g35932	3	74	1	3	12
chr5	14109351	14109421	At5g35940	3	70	2	2	13
chr5	14132059	14132128	At5g35965	3	69	0	5	13
chr5	14133200	14133270	At5g35965	3	70	0	1	11
chr5	14151478	14151549	At5g35980	3	71	1	8	7
chr5	14153938	14153979	At5g35995	2	41	1	2	12
chr5	14166041	14166149	At5g36005	4	108	3	7	13
chr5	14193180	14193237	-	2	57	0	2	6
chr5	14199748	14199856	-	4	108	4	7	19
chr5	14210650	14210762	At5g36100	4	112	6	3	14
chr5	14211883	14211960	-	3	77	1	2	11
chr5	14214311	14214380	At5g36110	3	69	0	1	21
chr5	14214563	14214671	At5g36110	4	108	3	4	22
chr5	14253052	14253119	-	3	67	2	0	15
chr5	14253684	14253794	At5g36170	4	110	3	6	13
chr5	14254531	14254600	At5g36170	3	69	3	1	7
chr5	14302359	14302475	At5g36260	4	116	4	4	17
chr5	14310277	14310387	At5g36270	4	110	5	4	17
chr5	14312309	14312381	-	3	72	5	7	11
chr5	14313474	14313613	At5g36275	5	139	3	3	18
chr5	14323019	14323091	-	3	72	1	2	15
chr5	14328185	14328226	At5g36296	2	41	1	3	10
chr5	14386183	14386246	-	2	63	0	0	8
chr5	14393322	14393392	-	3	70	1	0	9
chr5	14394144	14394216	-	2	72	0	0	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	14408368	14408490	-	4	122	3	3	11
chr5	14448837	14448909	At5g36810	3	72	0	2	8
chr5	14537629	14537696	At5g36870	3	67	0	2	10
chr5	14539089	14539274	At5g36870	6	185	3	4	32
chr5	14543918	14543992	At5g36870	3	74	0	4	11
chr5	14555000	14555111	At5g36880	4	111	0	4	11
chr5	14556222	14556292	At5g36880	3	70	4	5	14
chr5	14558983	14559052	-	3	69	3	1	9
chr5	14610296	14610372	At5g36940	3	76	0	2	6
chr5	14612339	14612444	At5g36950	4	105	6	6	5
chr5	14625178	14625232	-	2	54	1	1	10
chr5	14632556	14632621	At5g36990	3	65	1	1	9
chr5	14639431	14639508	At5g37010	3	77	4	4	6
chr5	14647193	14647270	-	3	77	2	3	19
chr5	14656000	14656068	-	3	68	0	3	12
chr5	14676448	14676489	At5g37080	2	41	0	0	6
chr5	14680392	14680460	-	3	68	1	2	11
chr5	14691379	14691420	At5g37110	2	41	0	0	8
chr5	14738479	14738520	At5g37180	2	41	2	3	2
chr5	14741481	14741550	At5g37190	3	69	3	5	9
chr5	14745152	14745223	At5g37200	3	71	1	1	14
chr5	14762624	14762731	-	4	107	1	2	23
chr5	14776334	14776382	-	2	48	1	2	7
chr5	14796332	14796477	At5g37320	5	145	2	4	29
chr5	14804801	14804853	At5g37340	2	52	1	0	4
chr5	14813691	14813765	-	3	74	2	4	16
chr5	14814743	14814857	-	4	114	1	0	18
chr5	14836352	14836462	At5g37380	4	110	2	4	18
chr5	14866698	14866739	At5g37442	2	41	1	0	9
chr5	14873642	14873751	At5g37450	4	109	1	5	18
chr5	14880374	14880521	At5g37470	5	147	6	5	28
chr5	14882454	14882556	-	4	102	0	1	7
chr5	14898468	14898611	-	5	143	3	3	13
chr5	14905073	14905186	At5g37490	4	113	6	6	7
chr5	14916576	14916650	At5g37510	3	74	0	5	6
chr5	14920572	14920613	At5g37520	2	41	2	0	2
chr5	14965533	14965608	At5g37630	3	75	1	4	8
chr5	14966681	14966750	At5g37630	3	69	0	3	9
chr5	14969449	14969667	At5g37630	7	218	3	11	25
chr5	14975994	14976060	-	3	66	1	2	2
chr5	14986261	14986334	At5g37670	3	73	1	3	15
chr5	15014288	15014442	-	5	154	0	5	18
chr5	15033873	15033943	-	3	70	3	4	8
chr5	15055062	15055132	-	3	70	1	1	17
chr5	15111403	15111685	At5g37900	9	282	7	9	33
chr5	15114073	15114181	At5g37910	4	108	1	4	11
chr5	15116867	15117002	At5g37920	5	135	1	6	14
chr5	15152513	15152694	-	6	181	2	6	26
chr5	15173030	15173103	-	3	73	2	2	17
chr5	15174034	15174108	-	3	74	1	1	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	15179120	15179185	-	3	65	1	0	7
chr5	15181248	15181299	-	2	51	0	0	11
chr5	15184296	15184402	At5g38020	4	106	3	3	20
chr5	15188499	15188601	At5g38030	4	102	4	3	14
chr5	15193887	15193991	At5g38035	4	104	1	3	18
chr5	15194240	15194386	At5g38035	5	146	0	6	32
chr5	15198750	15198797	-	2	47	0	0	5
chr5	15207078	15207144	At5g38060	3	66	0	4	14
chr5	15207675	15207748	At5g38070	3	73	1	3	9
chr5	15209414	15209485	At5g38080	3	71	3	3	13
chr5	15226623	15226731	At5g38110	4	108	4	5	18
chr5	15242159	15242229	At5g38150	3	70	2	1	7
chr5	15251799	15251854	At5g38190	2	55	5	3	6
chr5	15276962	15277104	-	5	142	4	1	15
chr5	15278754	15278826	At5g38210	3	72	0	3	12
chr5	15285918	15285987	-	3	69	7	2	7
chr5	15286740	15286882	At5g38220	5	142	0	2	18
chr5	15294046	15294110	-	3	64	0	1	19
chr5	15297851	15297924	-	3	73	1	2	11
chr5	15300954	15301070	At5g38260	4	116	2	6	15
chr5	15302626	15302767	At5g38260	5	141	1	6	23
chr5	15303168	15303299	-	4	131	4	4	7
chr5	15329607	15329679	-	3	72	4	2	12
chr5	15331834	15331899	-	2	65	1	1	3
chr5	15335402	15335468	At5g38330	3	66	6	6	13
chr5	15343407	15343513	-	4	106	5	1	17
chr5	15347668	15347777	At5g38350	4	109	0	4	18
chr5	15354838	15354908	At5g38365	3	70	2	5	14
chr5	15360149	15360301	-	5	152	2	0	36
chr5	15380511	15380724	At5g38386	7	213	7	7	36
chr5	15385975	15386016	At5g38393	2	41	2	2	3
chr5	15386283	15386357	At5g38393	3	74	3	5	8
chr5	15391613	15391760	At5g38396	5	147	4	3	19
chr5	15393978	15394032	-	2	54	1	0	5
chr5	15402159	15402200	At5g38430	2	41	0	2	5
chr5	15406423	15406567	At5g38435	5	144	4	3	18
chr5	15432991	15433063	-	3	72	0	2	11
chr5	15433532	15433627	At5g38500	4	95	6	5	13
chr5	15439457	15439536	At5g38520	3	79	0	2	19
chr5	15467445	15467666	At5g38570	7	221	4	6	26
chr5	15478421	15478566	At5g38600	5	145	5	4	36
chr5	15479918	15480019	-	4	101	2	3	17
chr5	15480156	15480227	-	3	71	4	3	10
chr5	15486945	15487017	At5g38640	3	72	1	7	12
chr5	15487711	15487848	At5g38640	5	137	6	7	34
chr5	15493799	15493862	At5g38670	3	63	2	2	19
chr5	15523646	15523687	-	2	41	1	3	3
chr5	15524280	15524349	-	3	69	0	2	11
chr5	15528801	15528901	At5g38730	4	100	2	5	19
chr5	15532617	15532695	-	3	78	4	3	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	15540686	15540796	-	4	110	1	2	13
chr5	15562330	15562399	At5g38820	3	69	5	2	5
chr5	15564253	15564354	At5g38830	4	101	2	5	13
chr5	15572736	15572824	At5g38850	3	88	3	6	14
chr5	15585603	15585705	At5g38880	4	102	2	6	3
chr5	15588313	15588383	At5g38890	3	70	1	0	12
chr5	15588681	15588759	-	3	78	4	0	13
chr5	15592784	15592855	At5g38900	3	71	0	1	15
chr5	15597675	15597810	-	5	135	5	7	25
chr5	15615527	15615635	-	4	108	3	0	9
chr5	15633465	15633536	At5g39010	3	71	4	2	12
chr5	15639620	15639731	At5g39030	4	111	1	3	16
chr5	15641838	15641906	-	3	68	2	4	8
chr5	15643187	15643330	At5g39040	5	143	3	4	19
chr5	15657167	15657244	-	3	77	0	1	6
chr5	15662296	15662346	At5g39090	2	50	1	0	5
chr5	15665840	15665916	At5g39095	3	76	3	4	10
chr5	15666168	15666270	At5g39095	4	102	0	4	19
chr5	15716153	15716223	-	3	70	1	2	10
chr5	15723494	15723543	At5g39220	2	49	1	3	2
chr5	15741032	15741106	-	3	74	1	2	13
chr5	15749023	15749089	-	3	66	1	1	14
chr5	15767067	15767139	At5g39340	3	72	2	2	19
chr5	15777227	15777334	At5g39380	4	107	3	3	10
chr5	15777650	15777728	At5g39380	3	78	3	4	5
chr5	15790046	15790120	At5g39420	3	74	2	4	11
chr5	15791659	15791726	At5g39420	3	67	0	3	16
chr5	15792372	15792484	At5g39420	4	112	0	2	10
chr5	15800487	15800622	At5g39440	5	135	2	1	19
chr5	15801843	15801910	At5g39440	3	67	1	3	12
chr5	15806336	15806377	At5g39460	2	41	0	0	3
chr5	15807136	15807244	At5g39460	4	108	4	2	13
chr5	15826470	15826537	-	3	67	2	1	11
chr5	15837409	15837547	-	4	138	0	2	12
chr5	15847177	15847244	-	3	67	1	1	15
chr5	15850807	15850883	-	3	76	2	0	3
chr5	15852997	15853068	-	3	71	2	1	9
chr5	15859524	15859669	At5g39560	5	145	7	7	16
chr5	15868521	15868665	-	5	144	8	7	8
chr5	15869343	15869560	At5g39590	7	217	1	11	34
chr5	15886054	15886126	At5g39630	3	72	2	1	9
chr5	15917260	15917363	At5g39720	4	103	3	3	31
chr5	15927401	15927473	-	3	72	1	0	8
chr5	15952582	15952696	-	3	114	2	3	8
chr5	15961457	15961559	At5g39830	4	102	2	6	17
chr5	15961732	15961846	At5g39830	4	114	1	7	12
chr5	15970005	15970046	-	2	41	1	0	7
chr5	15977845	15977886	At5g39861	2	41	0	0	5
chr5	15983272	15983348	At5g39865	3	76	0	2	9
chr5	15983846	15983913	At5g39865	3	67	5	4	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	15985565	15985633	-	3	68	0	1	13
chr5	16012639	16012746	At5g39960	4	107	3	3	19
chr5	16021094	16021168	-	3	74	2	1	11
chr5	16026406	16026497	At5g39995	3	91	3	2	14
chr5	16029655	16029764	At5g40000	4	109	1	1	10
chr5	16051863	16051931	At5g40060	3	68	4	3	6
chr5	16052205	16052274	At5g40060	3	69	3	3	16
chr5	16056711	16056813	At5g40070	4	102	3	8	11
chr5	16065248	16065326	-	3	78	5	4	10
chr5	16084601	16084716	At5g40170	4	115	5	4	17
chr5	16087608	16087649	At5g40200	2	41	1	2	9
chr5	16088007	16088072	At5g40200	3	65	2	3	11
chr5	16093783	16093855	-	3	72	0	3	9
chr5	16096199	16096244	At5g40220	2	45	1	2	10
chr5	16098216	16098288	At5g40230	3	72	0	2	12
chr5	16116169	16116300	-	4	131	2	2	8
chr5	16125311	16125411	At5g40290	4	100	0	4	12
chr5	16129002	16129067	At5g40300	3	65	1	2	11
chr5	16129222	16129365	At5g40300	5	143	4	6	21
chr5	16135476	16135549	-	3	73	2	2	7
chr5	16149213	16149276	At5g40340	3	63	2	3	6
chr5	16156823	16156906	At5g40350	3	83	2	2	10
chr5	16166583	16166625	-	2	42	2	3	5
chr5	16168752	16168867	-	4	115	3	3	10
chr5	16176670	16176756	-	3	86	0	1	6
chr5	16177227	16177271	-	2	44	1	2	3
chr5	16181299	16181443	At5g40390	5	144	0	4	18
chr5	16191080	16191223	At5g40420	5	143	5	8	24
chr5	16195674	16195742	-	2	68	0	0	12
chr5	16200577	16200653	At5g40440	3	76	2	4	12
chr5	16204337	16204487	At5g40450	5	150	0	6	18
chr5	16211369	16211475	At5g40450	4	106	0	6	9
chr5	16218388	16218456	-	3	68	2	1	8
chr5	16235624	16235690	At5g40480	3	66	3	4	13
chr5	16236576	16236719	At5g40480	5	143	3	5	22
chr5	16239439	16239516	At5g40480	3	77	1	5	10
chr5	16241790	16241861	-	3	71	0	1	13
chr5	16246489	16246629	At5g40510	5	140	6	8	11
chr5	16252548	16252625	At5g40530	3	77	1	3	12
chr5	16268871	16269018	At5g40590	5	147	4	2	8
chr5	16286274	16286428	-	5	154	3	2	2
chr5	16291327	16291434	-	4	107	4	4	10
chr5	16292714	16292787	-	3	73	1	0	4
chr5	16294798	16294887	At5g40640	3	89	2	2	9
chr5	16295554	16295696	At5g40640	5	142	2	3	18
chr5	16303937	16304055	At5g40670	4	118	0	3	19
chr5	16304785	16304858	At5g40670	3	73	3	3	7
chr5	16306070	16306318	At5g40680	8	248	8	7	29
chr5	16314564	16314635	-	3	71	2	0	9
chr5	16329024	16329170	At5g40760	5	146	2	4	24

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	16330656	16330765	At5g40760	4	109	1	5	16
chr5	16351070	16351173	-	4	103	2	2	13
chr5	16351570	16351685	-	4	115	0	1	14
chr5	16360907	16360979	At5g40820	3	72	0	2	12
chr5	16365655	16365725	At5g40820	3	70	1	5	8
chr5	16366737	16366810	At5g40820	3	73	2	5	7
chr5	16369444	16369521	At5g40820	3	77	1	8	9
chr5	16380636	16380775	At5g40840	5	139	2	4	8
chr5	16392987	16393059	At5g40870	3	72	2	5	8
chr5	16395240	16395316	At5g40870	3	76	2	3	9
chr5	16411872	16411991	-	4	119	2	4	12
chr5	16415435	16415507	At5g40910	3	72	2	6	5
chr5	16420144	16420254	At5g40920	4	110	3	3	19
chr5	16423138	16423214	At5g40930	3	76	0	1	10
chr5	16464590	16464682	At5g41100	3	92	6	2	13
chr5	16465584	16465806	At5g41100	7	222	1	3	38
chr5	16466619	16466763	At5g41100	5	144	3	3	30
chr5	16472567	16472639	At5g41120	3	72	2	2	18
chr5	16502548	16502654	At5g41180	4	106	0	4	12
chr5	16509410	16509552	-	5	142	2	8	14
chr5	16515904	16515945	At5g41240	2	41	2	1	4
chr5	16518602	16518743	At5g41250	5	141	5	8	11
chr5	16535000	16535069	At5g41310	3	69	2	5	3
chr5	16535534	16535646	At5g41310	4	112	2	5	12
chr5	16539926	16540005	-	3	79	5	4	6
chr5	16554580	16554648	At5g41330	3	68	7	3	9
chr5	16566169	16566274	At5g41360	4	105	5	5	18
chr5	16587723	16587851	-	4	128	1	1	13
chr5	16603088	16603230	-	4	142	4	5	7
chr5	16604774	16604882	At5g41440	4	108	4	5	9
chr5	16613609	16613792	At5g41480	6	183	1	3	34
chr5	16619211	16619321	-	4	110	2	2	11
chr5	16629441	16629550	-	4	109	2	2	10
chr5	16640229	16640309	-	3	80	4	2	14
chr5	16644265	16644406	At5g41580	5	141	5	10	17
chr5	16651640	16651708	-	3	68	0	1	11
chr5	16656011	16656080	At5g41610	3	69	9	6	1
chr5	16657535	16657611	At5g41610	3	76	5	5	13
chr5	16675062	16675129	-	3	67	0	2	15
chr5	16689037	16689180	At5g41690	5	143	2	3	21
chr5	16700205	16700351	-	4	146	1	2	14
chr5	16711741	16711806	At5g41750	3	65	1	1	7
chr5	16723849	16724042	-	6	193	1	2	22
chr5	16727391	16727441	-	2	50	2	0	6
chr5	16740487	16740602	At5g41780	4	115	2	5	18
chr5	16762727	16762768	-	2	41	0	1	9
chr5	16763448	16763565	-	4	117	0	1	13
chr5	16767305	16767374	At5g41835	3	69	2	5	12
chr5	16768720	16768819	At5g41835	4	99	5	6	13
chr5	16772195	16772300	At5g41840	4	105	2	0	22

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	16778518	16778635	At5g41880	4	117	0	4	17
chr5	16778734	16778952	At5g41880	7	218	4	8	29
chr5	16795252	16795325	-	3	73	2	2	12
chr5	16796837	16796974	-	4	137	3	1	11
chr5	16833566	16833647	At5g42050	3	81	3	3	9
chr5	16835945	16836129	At5g42060	6	184	8	5	12
chr5	16837859	16837923	At5g42080	3	64	6	8	10
chr5	16852275	16852482	At5g42120	7	207	6	5	39
chr5	16861345	16861417	-	3	72	3	1	14
chr5	16870068	16870172	At5g42180	4	104	3	3	10
chr5	16870469	16870546	At5g42180	3	77	0	1	20
chr5	16877067	16877179	-	4	112	2	0	14
chr5	16887098	16887241	-	5	143	1	3	15
chr5	16893261	16893332	At5g42220	3	71	0	5	10
chr5	16905937	16906005	At5g42240	3	68	3	7	16
chr5	16941080	16941160	-	3	80	0	2	9
chr5	16952203	16952305	-	4	102	2	1	10
chr5	16955804	16955880	-	3	76	1	1	8
chr5	16956092	16956167	-	3	75	2	3	6
chr5	16956382	16956455	At5g42370	3	73	1	2	8
chr5	16962044	16962119	-	3	75	3	4	8
chr5	16969732	16969909	At5g42390	6	177	3	6	27
chr5	16975017	16975372	At5g42400	11	355	5	16	39
chr5	16989120	16989310	At5g42430	6	190	3	2	19
chr5	17009666	17009737	At5g42490	3	71	0	2	12
chr5	17022593	17022771	-	6	178	3	3	27
chr5	17029004	17029291	At5g42540	9	287	1	7	35
chr5	17033452	17033526	At5g42560	3	74	2	2	13
chr5	17035194	17035296	-	4	102	1	0	22
chr5	17058527	17058636	At5g34883	4	109	7	0	10
chr5	17078742	17078809	At5g34883	3	67	2	5	18
chr5	17086646	17086753	At5g34883	4	107	1	2	19
chr5	17089022	17089092	At5g34883	3	70	1	1	11
chr5	17089230	17089310	At5g34883	3	80	2	1	14
chr5	17100571	17100731	At5g34883	5	160	4	2	20
chr5	17101547	17101687	At5g34883	5	140	2	3	9
chr5	17102218	17102289	At5g34883	3	71	2	2	15
chr5	17112890	17112959	At5g34883	3	69	0	3	4
chr5	17120678	17120819	At5g34883	5	141	5	7	18
chr5	17140946	17141057	At5g34883	4	111	0	1	20
chr5	17142824	17142895	At5g34883	3	71	3	4	15
chr5	17151083	17151150	At5g23410	3	67	2	3	10
chr5	17157416	17157494	At5g34883	3	78	0	4	14
chr5	17159421	17159534	At5g34883	4	113	2	1	20
chr5	17163584	17163654	At5g34883	3	70	3	3	9
chr5	17165943	17166016	At5g34883	3	73	1	0	17
chr5	17171709	17171849	At5g34883	4	140	2	3	16
chr5	17176784	17176918	At5g34883	5	134	3	8	18
chr5	17184647	17184726	At5g34883	3	79	0	3	9
chr5	17197321	17197362	At5g34883	2	41	0	0	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	17212574	17212651	At5g34883	3	77	1	0	8
chr5	17215822	17215958	At5g34883	5	136	4	5	13
chr5	17221095	17221205	At5g34883	4	110	1	4	17
chr5	17230402	17230460	At5g34883	2	58	1	0	6
chr5	17237880	17238158	At5g34883	8	278	4	5	24
chr5	17245557	17245656	At5g34883	4	99	2	6	13
chr5	17246844	17246915	At5g34883	3	71	2	7	6
chr5	17251460	17251524	-	2	64	1	0	8
chr5	17252562	17252775	At5g42960	7	213	8	5	22
chr5	17273849	17273923	At5g43020	3	74	2	5	9
chr5	17275551	17275651	-	4	100	0	1	18
chr5	17277021	17277090	At5g43030	3	69	3	0	14
chr5	17281716	17281789	At5g43040	3	73	5	3	8
chr5	17286575	17286647	-	3	72	2	3	11
chr5	17287830	17287977	At5g43060	5	147	2	6	7
chr5	17289522	17289563	-	2	41	0	0	15
chr5	17295374	17295442	-	3	68	2	2	9
chr5	17328070	17328142	At5g43110	3	72	4	1	14
chr5	17329927	17329995	At5g43120	3	68	0	2	18
chr5	17330355	17330539	At5g43120	6	184	3	6	39
chr5	17331262	17331373	At5g43120	4	111	2	2	24
chr5	17332285	17332352	-	3	67	4	1	18
chr5	17336588	17336661	At5g43130	3	73	0	3	11
chr5	17337045	17337149	At5g43130	4	104	2	6	18
chr5	17360711	17360857	-	5	146	2	0	16
chr5	17363316	17363498	-	6	182	5	9	16
chr5	17364038	17364174	-	5	136	2	3	26
chr5	17372500	17372571	-	3	71	3	3	9
chr5	17373513	17373658	At5g43250	5	145	8	10	24
chr5	17377883	17378029	At5g43270	5	146	3	7	36
chr5	17393237	17393308	-	3	71	2	4	16
chr5	17398078	17398153	At5g43310	3	75	0	3	9
chr5	17407465	17407656	-	6	191	6	2	20
chr5	17419900	17420010	-	4	110	3	1	13
chr5	17438033	17438217	At5g43380	6	184	7	5	18
chr5	17441666	17441772	At5g43390	4	106	2	5	16
chr5	17448171	17448271	-	4	100	3	1	14
chr5	17462182	17462334	At5g43415	5	152	1	8	21
chr5	17473896	17474068	-	6	172	6	3	33
chr5	17474455	17474527	At5g43450	3	72	2	1	13
chr5	17478027	17478134	At5g43460	4	107	1	3	16
chr5	17508550	17508661	At5g43530	4	111	4	3	12
chr5	17513330	17513400	-	3	70	1	0	8
chr5	17522601	17522668	At5g43560	3	67	1	3	12
chr5	17531305	17531411	At5g43600	4	106	2	6	19
chr5	17533567	17533669	-	4	102	4	3	12
chr5	17539825	17539898	At5g43620	3	73	4	4	9
chr5	17543052	17543126	-	3	74	0	0	6
chr5	17566496	17566599	-	3	103	1	2	10
chr5	17567215	17567281	-	3	66	0	1	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	17575067	17575141	At5g43720	3	74	1	3	11
chr5	17578137	17578213	At5g43730	3	76	1	5	14
chr5	17589663	17589773	At5g43745	4	110	3	5	15
chr5	17598321	17598398	At5g43750	3	77	3	5	11
chr5	17598833	17598901	-	3	68	2	1	9
chr5	17601942	17602044	-	4	102	3	3	7
chr5	17610059	17610133	At5g43790	3	74	3	2	7
chr5	17623903	17623975	-	3	72	0	1	6
chr5	17627892	17627962	-	3	70	1	5	15
chr5	17636592	17636877	At5g43820	9	285	6	5	58
chr5	17639344	17639411	-	3	67	2	1	11
chr5	17646606	17646678	-	3	72	0	3	8
chr5	17666267	17666342	At5g43890	3	75	7	5	8
chr5	17681518	17681572	At5g43900	2	54	1	1	4
chr5	17686077	17686151	At5g43910	3	74	1	3	9
chr5	17707942	17708079	At5g43960	5	137	2	8	14
chr5	17713288	17713363	At5g43980	3	75	7	11	6
chr5	17716593	17716706	At5g43990	4	113	1	1	21
chr5	17718730	17718771	At5g43990	2	41	1	0	11
chr5	17720796	17720903	At5g44000	4	107	6	6	27
chr5	17724325	17724401	At5g44010	3	76	1	1	8
chr5	17726764	17726833	-	3	69	3	1	8
chr5	17732312	17732387	At5g44030	3	75	1	2	13
chr5	17735511	17735650	At5g44030	5	139	3	9	16
chr5	17738326	17738594	At5g44040	8	268	8	10	21
chr5	17748699	17748767	At5g44060	3	68	4	3	13
chr5	17752952	17753096	At5g44070	5	144	4	6	19
chr5	17754612	17754727	At5g44070	4	115	1	1	20
chr5	17763570	17763680	At5g44090	4	110	2	4	16
chr5	17764147	17764256	At5g44090	4	109	1	2	21
chr5	17767504	17767615	At5g44100	4	111	4	4	17
chr5	17768055	17768125	At5g44100	3	70	2	1	6
chr5	17782158	17782237	At5g44150	3	79	3	5	11
chr5	17790338	17790678	At5g44160	9	340	0	9	30
chr5	17800967	17801082	At5g44180	4	115	2	5	18
chr5	17805887	17805994	At5g44180	4	107	2	4	16
chr5	17806285	17806420	At5g44180	5	135	4	8	28
chr5	17827044	17827116	-	3	72	0	1	14
chr5	17836319	17836390	At5g44240	3	71	2	5	15
chr5	17840728	17840806	At5g44240	3	78	4	4	6
chr5	17852614	17852755	At5g44270	5	141	1	3	19
chr5	17854186	17854260	At5g44280	3	74	3	6	8
chr5	17867404	17867470	-	3	66	1	2	11
chr5	17873756	17873863	At5g44320	4	107	9	7	22
chr5	17875883	17875991	At5g44330	4	108	4	7	17
chr5	17893017	17893160	At5g44370	5	143	5	10	15
chr5	17900063	17900140	At5g44390	3	77	2	2	18
chr5	17918995	17919065	-	3	70	3	3	8
chr5	17919445	17919512	At5g44417	3	67	5	4	10
chr5	17956035	17956145	At5g44530	4	110	6	6	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	17958133	17958233	At5g44530	4	100	3	3	13
chr5	17967725	17967845	-	4	120	2	2	13
chr5	17970046	17970118	At5g44565	3	72	4	2	10
chr5	17980809	17980915	-	4	106	5	6	10
chr5	17982745	17982850	At5g44570	4	105	3	2	14
chr5	18004751	18004831	-	3	80	0	2	12
chr5	18005192	18005268	At5g44590	3	76	0	2	14
chr5	18014093	18014170	-	3	77	3	2	9
chr5	18015151	18015295	At5g44620	5	144	5	2	16
chr5	18018314	18018386	-	3	72	2	1	11
chr5	18023701	18023806	At5g44635	4	105	3	4	12
chr5	18024452	18024500	At5g44635	2	48	1	1	12
chr5	18036891	18036982	At5g44670	3	91	1	3	7
chr5	18062622	18062696	At5g44720	3	74	0	0	17
chr5	18063620	18063693	At5g44730	3	73	0	3	8
chr5	18063912	18064023	At5g44730	4	111	2	2	21
chr5	18074687	18074762	At5g44750	3	75	1	1	12
chr5	18076627	18076710	At5g44750	3	83	1	4	9
chr5	18079135	18079213	At5g44760	3	78	5	3	11
chr5	18082895	18083036	At5g44770	5	141	0	3	30
chr5	18089418	18089520	At5g44785	4	102	2	7	17
chr5	18100037	18100139	-	4	102	0	0	11
chr5	18101314	18101421	At5g44800	4	107	1	6	26
chr5	18102092	18102197	At5g44800	4	105	5	6	20
chr5	18108294	18108420	At5g44800	4	126	2	3	9
chr5	18112432	18112556	-	4	124	3	3	11
chr5	18127431	18127540	-	4	109	3	1	19
chr5	18134881	18134955	At5g44870	3	74	2	2	8
chr5	18156729	18156802	At5g44920	3	73	0	0	15
chr5	18169242	18169353	At5g44950	4	111	1	1	19
chr5	18185729	18185800	-	3	71	3	5	7
chr5	18205246	18205390	At5g45070	5	144	5	5	12
chr5	18234508	18234583	-	3	75	1	0	10
chr5	18243999	18244071	-	3	72	1	1	9
chr5	18249224	18249365	-	5	141	5	6	14
chr5	18261713	18261788	At5g45130	3	75	1	3	10
chr5	18264079	18264225	-	5	146	1	4	12
chr5	18270317	18270391	At5g45140	3	74	0	1	14
chr5	18289787	18289938	At5g45170	5	151	3	5	16
chr5	18298207	18298281	At5g45190	3	74	0	5	14
chr5	18304655	18304761	At5g45200	4	106	7	3	6
chr5	18312826	18312898	At5g45210	3	72	7	7	12
chr5	18315931	18315997	-	3	66	0	2	8
chr5	18316823	18316895	At5g45220	3	72	1	2	12
chr5	18338516	18338625	-	4	109	4	8	14
chr5	18353072	18353213	At5g45275	5	141	1	8	15
chr5	18357891	18357962	-	3	71	1	4	8
chr5	18359789	18359858	-	2	69	1	1	3
chr5	18375836	18375893	-	2	57	1	0	3
chr5	18377886	18377993	At5g45310	4	107	0	7	15

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	18395038	18395080	-	2	42	1	2	5
chr5	18401862	18401968	At5g45360	4	106	1	7	14
chr5	18404784	18404893	-	4	109	3	4	6
chr5	18406810	18406886	At5g45370	3	76	2	4	10
chr5	18409490	18409569	At5g45380	3	79	2	1	14
chr5	18411072	18411177	At5g45380	4	105	5	5	15
chr5	18413006	18413081	At5g45380	3	75	2	3	9
chr5	18421636	18421738	At5g45420	4	102	3	5	13
chr5	18422027	18422181	At5g45420	5	154	1	4	18
chr5	18422871	18422944	At5g45420	3	73	1	2	7
chr5	18430448	18430554	At5g45440	4	106	3	3	11
chr5	18432465	18432615	At5g45450	4	150	2	3	17
chr5	18433418	18433489	-	3	71	1	2	12
chr5	18437807	18437907	-	4	100	3	0	21
chr5	18445412	18445595	At5g45480	6	183	5	7	26
chr5	18469457	18469569	At5g45520	4	112	3	5	9
chr5	18479766	18479833	At5g45550	3	67	0	4	16
chr5	18481993	18482063	At5g45550	3	70	2	3	11
chr5	18486300	18486450	At5g45560	5	150	2	5	28
chr5	18501937	18502004	At5g45590	3	67	2	4	3
chr5	18505175	18505320	At5g45600	5	145	5	6	14
chr5	18506129	18506273	At5g45600	5	144	1	4	29
chr5	18518885	18518991	At5g45620	4	106	3	6	9
chr5	18528765	18528877	At5g45640	4	112	3	3	22
chr5	18530157	18530231	-	3	74	3	1	11
chr5	18546623	18546697	At5g45670	3	74	3	6	3
chr5	18548591	18548665	At5g45680	3	74	1	1	16
chr5	18553132	18553202	At5g45690	3	70	3	2	12
chr5	18568933	18569037	-	4	104	3	5	14
chr5	18575063	18575138	-	3	75	2	0	5
chr5	18578107	18578180	-	3	73	4	4	9
chr5	18584148	18584219	-	3	71	1	2	12
chr5	18590082	18590157	At5g45790	3	75	3	2	18
chr5	18593287	18593435	At5g45800	5	148	8	6	23
chr5	18598040	18598088	-	2	48	3	1	4
chr5	18602696	18602841	At5g45810	5	145	4	8	22
chr5	18609959	18610094	-	5	135	2	2	22
chr5	18612732	18612773	At5g45840	2	41	2	4	4
chr5	18626437	18626509	-	3	72	1	2	10
chr5	18648115	18648174	-	2	59	1	0	2
chr5	18651965	18652032	At5g45950	3	67	2	3	9
chr5	18669082	18669124	At5g45990	2	42	2	2	6
chr5	18670463	18670535	At5g45990	3	72	4	3	14
chr5	18673100	18673141	At5g46000	2	41	0	3	7
chr5	18712856	18712926	At5g46100	3	70	3	4	9
chr5	18720038	18720110	At5g46120	3	72	2	5	8
chr5	18726645	18726713	At5g46150	3	68	1	3	13
chr5	18757251	18757292	At5g46220	2	41	1	1	2
chr5	18774414	18774492	At5g46250	3	78	1	2	15
chr5	18776808	18776945	At5g46260	5	137	4	2	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	18787637	18787708	At5g46280	3	71	3	3	7
chr5	18799979	18800049	-	3	70	4	1	8
chr5	18803285	18803396	At5g46310	4	111	3	6	21
chr5	18814934	18815003	At5g46340	3	69	2	4	8
chr5	18828162	18828230	At5g46370	3	68	4	2	5
chr5	18832603	18832675	At5g46380	3	72	1	3	11
chr5	18835673	18835912	At5g46390	7	239	2	8	28
chr5	18848982	18849091	At5g46420	4	109	1	3	16
chr5	18855897	18855965	At5g46450	3	68	2	2	16
chr5	18856735	18856806	At5g46450	3	71	2	5	14
chr5	18863283	18863398	At5g46470	4	115	1	4	7
chr5	18864210	18864273	At5g46470	3	63	0	3	10
chr5	18865076	18865331	At5g46470	8	255	2	5	23
chr5	18867443	18867487	-	2	44	1	2	6
chr5	18878200	18878306	At5g46510	4	106	4	5	15
chr5	18881806	18881954	At5g46510	5	148	2	4	16
chr5	18882516	18882585	At5g46510	3	69	0	5	11
chr5	18884352	18884423	-	3	71	2	1	6
chr5	18895656	18895757	At5g46540	4	101	5	6	7
chr5	18912635	18912741	At5g46570	4	106	4	4	14
chr5	18914153	18914228	At5g46570	3	75	2	5	11
chr5	18914770	18914844	At5g46580	3	74	0	2	17
chr5	18930314	18930389	-	3	75	3	2	5
chr5	18930859	18930930	At5g46610	3	71	5	5	13
chr5	18932061	18932124	At5g46610	3	63	0	0	12
chr5	18944149	18944266	-	4	117	3	6	14
chr5	18960696	18960772	-	3	76	2	2	11
chr5	18961224	18961271	-	2	47	1	2	5
chr5	18963057	18963172	At5g46690	4	115	6	4	16
chr5	19001855	19001961	At5g46790	4	106	4	3	21
chr5	19004885	19004953	At5g46795	3	68	1	2	7
chr5	19024593	19024664	At5g46840	3	71	2	6	12
chr5	19029350	19029418	At5g46860	3	68	2	3	4
chr5	19049855	19049928	At5g46880	3	73	0	0	7
chr5	19053410	19053469	-	2	59	0	0	4
chr5	19054333	19054405	-	3	72	1	1	12
chr5	19057348	19057421	At5g46900	3	73	4	1	15
chr5	19062748	19062885	-	5	137	6	9	10
chr5	19076111	19076178	-	3	67	5	3	8
chr5	19085380	19085672	At5g46990	9	292	5	5	39
chr5	19085817	19085858	-	2	41	0	1	7
chr5	19088101	19088168	-	3	67	4	2	7
chr5	19102751	19102828	At5g47020	3	77	3	4	21
chr5	19104358	19104436	At5g47020	3	78	0	4	9
chr5	19106771	19106841	At5g47020	3	70	3	2	12
chr5	19109868	19109937	-	3	69	4	0	9
chr5	19124585	19124729	At5g47050	5	144	8	7	24
chr5	19127430	19127505	-	3	75	0	0	13
chr5	19129547	19129613	-	3	66	1	1	8
chr5	19131254	19131295	-	2	41	1	0	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	19132694	19132755	-	2	61	2	0	1
chr5	19144425	19144545	-	4	120	5	7	17
chr5	19145394	19145574	At5g47090	6	180	2	8	35
chr5	19146232	19146336	-	4	104	6	6	8
chr5	19146584	19146688	-	4	104	4	8	11
chr5	19150587	19150698	-	4	111	0	1	26
chr5	19154730	19154801	At5g47120	3	71	2	5	14
chr5	19164084	19164225	At5g47140	5	141	1	2	18
chr5	19175753	19175828	At5g47170	3	75	2	4	8
chr5	19179975	19180082	At5g47180	4	107	0	3	14
chr5	19181862	19181903	At5g47190	2	41	0	4	5
chr5	19185842	19185951	At5g47200	4	109	2	7	15
chr5	19197435	19197655	At5g47230	7	220	9	12	8
chr5	19199303	19199375	-	3	72	3	1	9
chr5	19201318	19201392	At5g47240	3	74	0	4	18
chr5	19201780	19201857	At5g47240	3	77	0	3	13
chr5	19206246	19206370	-	4	124	2	1	10
chr5	19225784	19225925	At5g47330	5	141	7	8	20
chr5	19235089	19235162	At5g47370	3	73	0	1	12
chr5	19238632	19238734	-	4	102	1	4	14
chr5	19245753	19245828	At5g47390	3	75	2	3	15
chr5	19250002	19250206	-	7	204	11	12	13
chr5	19255484	19255551	At5g47430	3	67	1	4	14
chr5	19261771	19261874	At5g47440	4	103	0	11	16
chr5	19262058	19262122	At5g47440	3	64	0	4	9
chr5	19264731	19264839	At5g47445	4	108	4	7	16
chr5	19270325	19270394	At5g47460	3	69	3	1	12
chr5	19271719	19271795	-	3	76	1	1	15
chr5	19272160	19272230	At5g47470	3	70	0	2	19
chr5	19281782	19281889	-	4	107	7	4	12
chr5	19284969	19285039	At5g47490	3	70	1	6	12
chr5	19287592	19287838	At5g47490	7	246	4	10	27
chr5	19288518	19288630	At5g47500	4	112	8	5	12
chr5	19290990	19291064	-	3	74	2	1	12
chr5	19291338	19291407	-	2	69	0	0	6
chr5	19303795	19303908	At5g47550	4	113	4	4	13
chr5	19306513	19306591	At5g47560	3	78	1	2	11
chr5	19315342	19315448	At5g47590	4	106	4	6	9
chr5	19326224	19326365	-	5	141	12	10	7
chr5	19335638	19335709	At5g47690	3	71	1	4	7
chr5	19339251	19339392	At5g47690	5	141	3	6	19
chr5	19345509	19345585	At5g47700	3	76	2	4	12
chr5	19346911	19347020	At5g47710	4	109	3	4	7
chr5	19348057	19348197	At5g47710	5	140	1	4	25
chr5	19351721	19351794	At5g47720	3	73	1	5	14
chr5	19352291	19352433	At5g47730	5	142	4	1	23
chr5	19357399	19357472	At5g47750	3	73	7	13	8
chr5	19364884	19365103	-	7	219	4	4	15
chr5	19367492	19367604	At5g47780	4	112	3	2	26
chr5	19368403	19368478	-	3	75	1	3	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	19396392	19396460	At5g47850	3	68	5	6	10
chr5	19400804	19400876	At5g47860	3	72	3	1	13
chr5	19404325	19404397	At5g47880	3	72	1	8	4
chr5	19404939	19405047	At5g47880	4	108	2	4	9
chr5	19424584	19424656	At5g47930	3	72	6	5	14
chr5	19453171	19453356	At5g47990	6	185	3	5	28
chr5	19461582	19461650	At5g48000	3	68	1	1	25
chr5	19465968	19466029	-	2	61	0	0	6
chr5	19477769	19477842	At5g48010	3	73	2	0	11
chr5	19480215	19480287	At5g48020	3	72	2	5	11
chr5	19492724	19492785	At5g48060	2	61	2	4	5
chr5	19502789	19503122	At5g48090	10	333	5	13	35
chr5	19535618	19535722	At5g48130	4	104	3	2	14
chr5	19544449	19544516	-	3	67	1	1	13
chr5	19550080	19550186	At5g48170	4	106	8	7	20
chr5	19553239	19553305	-	3	66	0	2	8
chr5	19555398	19555469	-	3	71	0	1	15
chr5	19555789	19555848	-	2	59	1	0	5
chr5	19558369	19558441	At5g48180	3	72	0	1	6
chr5	19562918	19562990	At5g48200	3	72	2	1	10
chr5	19563409	19563545	At5g48200	5	136	3	6	11
chr5	19572000	19572069	At5g48230	3	69	1	1	10
chr5	19583975	19584084	-	4	109	4	4	14
chr5	19596612	19596723	At5g48310	4	111	0	4	10
chr5	19610820	19610929	At5g48350	4	109	5	6	12
chr5	19614762	19614803	At5g48360	2	41	2	1	9
chr5	19615124	19615195	At5g48360	3	71	0	8	10
chr5	19620607	19620679	At5g48375	3	72	2	4	6
chr5	19620947	19621128	At5g48375	6	181	5	8	23
chr5	19628993	19629034	At5g48385	2	41	0	0	8
chr5	19629431	19629575	At5g48390	5	144	7	7	8
chr5	19635159	19635232	At5g48400	3	73	1	3	15
chr5	19636095	19636214	At5g48400	4	119	5	5	21
chr5	19639475	19639654	At5g48410	6	179	0	2	25
chr5	19651938	19652045	At5g48450	4	107	4	6	12
chr5	19654560	19654625	At5g48460	3	65	2	6	5
chr5	19661035	19661167	At5g48470	5	132	1	6	19
chr5	19661861	19661935	-	3	74	6	3	5
chr5	19670504	19670617	At5g48500	4	113	6	6	15
chr5	19676535	19676679	-	5	144	4	4	14
chr5	19678264	19678335	-	3	71	1	2	10
chr5	19685040	19685214	-	6	174	2	10	12
chr5	19694864	19695014	At5g48545	5	150	5	4	16
chr5	19696030	19696097	-	3	67	2	0	22
chr5	19696745	19696819	At5g48550	3	74	2	2	13
chr5	19697014	19697226	At5g48550	7	212	5	7	37
chr5	19698173	19698250	-	3	77	2	0	11
chr5	19719577	19719691	At5g48600	4	114	2	3	23
chr5	19721442	19721516	At5g48600	3	74	2	6	8
chr5	19722219	19722292	At5g48600	3	73	1	2	22

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	19734195	19734306	At5g43470	4	111	3	6	18
chr5	19737969	19738044	At5g43470	3	75	1	1	14
chr5	19754052	19754170	-	4	118	1	0	21
chr5	19754658	19754699	At5g48660	2	41	0	1	12
chr5	19778290	19778363	At5g48720	3	73	0	3	9
chr5	19783629	19783733	At5g48740	4	104	3	6	17
chr5	19790024	19790134	-	4	110	5	7	16
chr5	19793853	19793965	At5g48770	4	112	2	3	16
chr5	19796961	19797057	-	3	96	2	4	9
chr5	19803958	19804030	-	3	72	0	3	6
chr5	19810646	19810717	At5g48820	3	71	0	2	7
chr5	19836982	19837049	-	3	67	0	1	13
chr5	19842233	19842274	-	2	41	1	1	4
chr5	19849862	19849938	-	3	76	0	3	10
chr5	19853053	19853160	At5g48920	4	107	3	2	21
chr5	19854609	19854750	At5g48930	5	141	5	7	24
chr5	19857751	19857792	At5g48940	2	41	1	3	6
chr5	19876163	19876241	At5g48970	3	78	4	4	4
chr5	19878657	19878727	At5g48980	3	70	1	1	14
chr5	19887092	19887242	At5g49015	5	150	2	7	18
chr5	19896330	19896472	At5g49030	5	142	1	6	17
chr5	19898228	19898335	At5g49030	4	107	1	2	20
chr5	19902502	19902574	-	3	72	1	2	3
chr5	19905506	19905644	At5g49060	5	138	0	1	18
chr5	19914969	19915110	At5g49100	5	141	1	4	20
chr5	19915327	19915471	At5g49100	5	144	2	4	11
chr5	19918531	19918608	At5g49110	3	77	2	3	15
chr5	19921155	19921230	At5g49110	3	75	2	5	6
chr5	19921714	19921894	At5g49110	6	180	1	9	19
chr5	19923017	19923126	At5g49110	4	109	2	4	21
chr5	19923911	19923974	-	3	63	0	2	12
chr5	19927283	19927394	-	4	111	0	4	19
chr5	19940311	19940387	At5g49140	3	76	2	3	7
chr5	19943360	19943430	At5g49150	3	70	1	2	13
chr5	19945611	19945686	At5g49150	3	75	3	2	14
chr5	19961347	19961458	At5g49190	4	111	3	6	8
chr5	19966641	19966894	-	8	253	2	5	26
chr5	19973063	19973220	At5g49215	5	157	0	4	25
chr5	20000101	20000317	At5g49290	7	216	3	8	23
chr5	20006345	20006414	-	3	69	2	0	16
chr5	20008791	20008863	-	3	72	3	0	9
chr5	20009746	20009810	At5g49310	3	64	2	3	9
chr5	20024648	20024748	At5g49340	4	100	4	10	15
chr5	20027986	20028027	At5g49350	2	41	1	4	0
chr5	20040530	20040654	-	4	124	3	2	10
chr5	20048367	20048509	At5g49400	5	142	6	6	18
chr5	20057030	20057097	At5g49430	3	67	2	3	7
chr5	20086464	20086541	-	3	77	6	3	10
chr5	20108556	20108661	At5g49520	4	105	3	5	13
chr5	20112786	20112866	-	3	80	4	2	2

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	20119745	20119849	At5g49530	4	104	4	5	10
chr5	20141594	20141660	At5g49580	3	66	1	2	9
chr5	20142095	20142227	At5g49580	5	132	2	6	13
chr5	20148260	20148370	At5g49600	4	110	5	5	17
chr5	20148727	20148802	At5g49610	3	75	1	2	10
chr5	20153101	20153216	-	4	115	0	0	10
chr5	20161427	20161490	At5g49630	3	63	0	3	3
chr5	20168105	20168180	-	3	75	2	1	10
chr5	20169813	20169854	-	2	41	2	0	2
chr5	20171165	20171277	At5g49650	4	112	2	6	15
chr5	20172328	20172436	At5g49650	4	108	3	9	15
chr5	20173514	20173581	-	3	67	2	2	20
chr5	20201991	20202064	At5g49680	3	73	1	2	11
chr5	20203311	20203418	At5g49680	4	107	4	10	9
chr5	20206913	20207066	At5g49690	5	153	8	3	12
chr5	20236666	20236737	At5g49760	3	71	0	3	10
chr5	20242035	20242146	At5g49770	4	111	0	3	15
chr5	20242400	20242513	At5g49770	4	113	2	4	16
chr5	20243274	20243411	At5g49770	5	137	2	3	24
chr5	20245169	20245216	-	2	47	1	2	6
chr5	20249212	20249286	At5g49780	3	74	1	3	15
chr5	20254773	20254853	-	3	80	2	4	5
chr5	20255649	20255754	-	4	105	3	5	17
chr5	20260499	20260571	At5g49810	3	72	0	0	17
chr5	20269684	20269784	At5g49830	4	100	2	4	13
chr5	20272746	20272856	At5g49840	4	110	2	4	9
chr5	20275417	20275523	At5g49840	4	106	1	4	14
chr5	20277918	20277987	At5g49850	3	69	2	4	8
chr5	20289419	20289489	At5g49870	3	70	1	2	7
chr5	20292965	20293080	-	4	115	2	2	8
chr5	20302942	20303011	At5g49880	3	69	0	6	15
chr5	20314377	20314597	At5g49900	7	220	4	8	24
chr5	20317938	20318014	At5g49900	3	76	2	6	8
chr5	20332327	20332401	-	3	74	0	1	11
chr5	20336000	20336298	At5g49945	9	298	5	5	35
chr5	20339508	20339657	At5g49950	5	149	3	8	16
chr5	20342173	20342241	At5g49960	3	68	0	3	13
chr5	20344443	20344511	At5g49960	3	68	0	3	7
chr5	20344912	20345043	At5g49960	5	131	3	9	21
chr5	20347297	20347400	At5g49970	4	103	0	7	16
chr5	20355473	20355544	At5g49990	3	71	0	3	8
chr5	20361512	20361660	At5g50000	5	148	2	3	14
chr5	20401218	20401296	-	3	78	0	0	16
chr5	20412860	20412915	-	2	55	1	1	8
chr5	20414442	20414544	At5g50140	4	102	3	4	14
chr5	20425511	20425587	-	3	76	0	0	18
chr5	20433025	20433134	At5g50160	4	109	2	1	10
chr5	20440984	20441093	At5g50170	4	109	2	4	18
chr5	20443618	20443664	-	2	46	1	0	7
chr5	20448467	20448607	At5g50180	5	140	0	0	26

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	20460039	20460297	At5g50210	8	258	5	7	17
chr5	20465471	20465546	-	3	75	1	1	1
chr5	20468377	20468520	-	5	143	2	4	19
chr5	20473300	20473435	At5g50260	5	135	2	5	24
chr5	20483949	20484018	At5g50300	3	69	6	3	1
chr5	20489475	20489551	-	3	76	3	1	7
chr5	20499373	20499583	At5g50320	7	210	5	8	22
chr5	20511881	20511954	At5g50340	3	73	3	5	7
chr5	20526422	20526498	At5g50370	3	76	0	3	8
chr5	20527846	20527982	At5g50370	4	136	4	4	15
chr5	20549472	20549653	At5g50420	6	181	10	6	20
chr5	20549952	20550123	At5g50420	6	171	6	6	31
chr5	20553737	20553804	At5g50430	3	67	0	1	8
chr5	20599538	20599752	At5g50570	7	214	4	5	29
chr5	20601126	20601234	At5g50570	4	108	0	1	7
chr5	20606727	20606804	-	3	77	1	2	8
chr5	20607456	20607564	At5g50600	4	108	1	1	15
chr5	20608214	20608355	At5g50600	5	141	9	6	15
chr5	20658002	20658047	-	2	45	1	1	7
chr5	20671171	20671240	At5g50780	3	69	3	6	6
chr5	20672404	20672478	-	3	74	5	5	6
chr5	20678295	20678375	-	3	80	1	2	12
chr5	20685624	20685724	-	4	100	0	1	12
chr5	20690513	20690587	-	3	74	1	2	6
chr5	20705005	20705111	At5g50840	4	106	3	3	12
chr5	20706380	20706448	-	3	68	2	2	6
chr5	20707763	20707837	At5g50850	3	74	0	4	11
chr5	20714239	20714303	At5g50860	3	64	4	3	13
chr5	20716849	20716991	At5g50870	5	142	2	6	11
chr5	20717487	20717601	At5g50870	4	114	1	1	10
chr5	20721924	20722134	-	7	210	2	6	16
chr5	20729357	20729464	At5g50915	4	107	0	0	33
chr5	20736848	20736990	At5g50920	5	142	5	5	15
chr5	20740858	20741011	At5g50930	5	153	3	4	17
chr5	20756221	20756331	At5g50970	4	110	4	4	13
chr5	20761404	20761508	-	4	104	1	2	15
chr5	20763281	20763386	At5g51020	4	105	2	4	7
chr5	20786463	20786533	At5g51080	3	70	2	1	13
chr5	20790992	20791061	At5g51100	3	69	0	3	17
chr5	20796161	20796240	At5g51110	3	79	1	1	11
chr5	20796737	20796810	-	3	73	3	1	11
chr5	20801191	20801267	At5g51140	3	76	0	1	10
chr5	20802584	20802625	At5g51140	2	41	1	2	3
chr5	20812975	20813089	-	4	114	6	8	9
chr5	20814462	20814606	At5g51180	5	144	5	5	15
chr5	20829538	20829613	At5g51200	3	75	2	2	20
chr5	20830592	20830670	At5g51200	3	78	1	5	7
chr5	20831808	20831959	At5g51200	5	151	5	5	26
chr5	20838956	20839074	At5g51220	4	118	3	7	10
chr5	20844732	20844846	At5g51230	4	114	2	7	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	20862422	20862527	At5g51290	4	105	1	5	16
chr5	20866019	20866087	-	3	68	1	1	7
chr5	20867234	20867337	At5g51300	4	103	0	3	28
chr5	20876162	20876272	At5g51330	4	110	1	4	20
chr5	20887695	20887770	At5g51350	3	75	1	7	13
chr5	20899579	20899757	At5g51410	6	178	2	6	19
chr5	20901786	20901854	-	3	68	3	2	7
chr5	20909592	20909665	-	3	73	2	3	10
chr5	20909785	20909900	-	4	115	5	4	12
chr5	20942214	20942319	-	4	105	4	1	10
chr5	20944671	20944785	At5g51530	4	114	1	2	13
chr5	20948597	20948739	At5g51530	5	142	3	2	19
chr5	20954233	20954303	At5g51540	3	70	0	1	16
chr5	20961924	20961997	-	3	73	3	1	6
chr5	20964098	20964180	At5g51560	3	82	1	3	17
chr5	20965756	20965827	At5g51560	3	71	3	5	16
chr5	20967709	20967778	At5g51570	3	69	2	2	17
chr5	20973215	20973326	-	4	111	2	1	9
chr5	20974139	20974211	At5g51590	3	72	1	3	12
chr5	20979775	20979916	At5g51600	5	141	2	6	11
chr5	20989646	20989716	At5g51630	3	70	1	2	11
chr5	20993290	20993360	At5g51640	3	70	3	5	11
chr5	20994107	20994214	At5g51640	4	107	0	0	10
chr5	21011464	21011540	At5g51670	3	76	3	2	11
chr5	21021853	21021924	At5g51710	3	71	1	3	3
chr5	21026897	21026967	At5g51720	3	70	5	7	13
chr5	21051550	21051620	-	3	70	1	2	15
chr5	21065360	21065430	-	3	70	0	2	6
chr5	21069193	21069242	At5g51800	2	49	1	2	9
chr5	21079328	21079439	-	4	111	1	7	19
chr5	21084207	21084282	At5g51820	3	75	0	3	10
chr5	21099802	21099905	At5g51860	4	103	1	3	10
chr5	21101617	21101671	-	2	54	1	0	9
chr5	21126537	21126611	-	3	74	1	1	6
chr5	21127720	21127791	-	3	71	4	4	5
chr5	21136866	21136933	At5g52000	3	67	0	3	11
chr5	21137920	21137998	At5g52000	3	78	2	2	6
chr5	21146040	21146113	At5g52030	3	73	3	5	16
chr5	21147040	21147181	At5g52030	5	141	5	7	28
chr5	21153016	21153084	-	3	68	1	1	12
chr5	21156537	21156686	At5g52050	5	149	6	6	14
chr5	21176956	21177074	-	4	118	5	5	25
chr5	21181070	21181214	At5g52070	5	144	2	2	33
chr5	21181911	21182090	At5g52070	6	179	2	6	27
chr5	21194113	21194188	At5g52120	3	75	2	4	9
chr5	21207055	21207193	-	5	138	1	3	11
chr5	21228672	21228780	At5g52230	4	108	0	0	11
chr5	21236569	21236643	-	3	74	1	1	4
chr5	21240703	21240846	-	5	143	0	3	15
chr5	21246487	21246560	At5g52280	3	73	3	4	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	21269929	21270182	At5g52340	8	253	7	8	26
chr5	21277023	21277171	-	5	148	1	3	17
chr5	21279212	21279350	At5g52380	5	138	1	1	20
chr5	21280805	21280880	-	3	75	2	1	7
chr5	21303711	21303781	-	3	70	5	2	10
chr5	21310531	21310601	At5g52460	3	70	2	5	12
chr5	21310859	21311081	At5g52460	7	222	6	6	26
chr5	21316477	21316620	At5g52490	5	143	5	8	22
chr5	21316988	21317097	At5g52490	4	109	2	4	21
chr5	21323777	21323845	-	3	68	1	0	15
chr5	21326803	21326913	-	4	110	1	1	23
chr5	21330111	21330222	At5g52520	4	111	1	4	14
chr5	21330707	21330776	At5g52520	3	69	1	1	18
chr5	21335472	21335546	At5g52530	3	74	1	4	12
chr5	21336018	21336092	At5g52530	3	74	1	5	10
chr5	21344343	21344456	At5g52547	4	113	0	5	10
chr5	21345160	21345269	At5g52550	4	109	3	5	11
chr5	21348152	21348229	At5g52560	3	77	8	3	7
chr5	21351629	21351736	At5g52560	4	107	1	3	24
chr5	21355661	21355731	At5g52580	3	70	0	3	10
chr5	21360771	21360879	At5g52600	4	108	2	3	24
chr5	21366695	21366769	At5g52620	3	74	3	1	12
chr5	21371221	21371327	At5g52640	4	106	2	4	20
chr5	21375246	21375324	-	3	78	3	1	13
chr5	21381008	21381078	At5g52670	3	70	0	1	12
chr5	21384249	21384367	-	4	118	3	2	9
chr5	21388108	21388217	At5g52690	4	109	2	4	16
chr5	21388334	21388476	At5g52690	5	142	1	2	19
chr5	21394772	21394954	At5g52710	6	182	7	8	19
chr5	21411917	21412030	-	4	113	3	2	11
chr5	21433255	21433360	At5g52850	4	105	2	4	12
chr5	21445626	21445698	At5g52870	3	72	4	2	7
chr5	21446131	21446211	At5g52870	3	80	4	4	3
chr5	21452920	21453025	-	4	105	1	3	12
chr5	21454093	21454171	-	3	78	3	1	14
chr5	21465108	21465218	-	4	110	0	1	25
chr5	21477912	21478069	At5g52910	5	157	1	5	16
chr5	21483327	21483399	At5g52920	3	72	1	5	9
chr5	21487705	21487774	At5g52930	3	69	3	5	10
chr5	21490753	21490899	-	5	146	3	2	16
chr5	21492909	21493088	At5g52950	6	179	2	7	15
chr5	21498081	21498155	At5g52970	3	74	3	3	10
chr5	21499722	21499799	At5g52980	3	77	1	5	9
chr5	21500955	21501066	-	4	111	7	3	16
chr5	21505975	21506123	At5g53010	5	148	4	3	24
chr5	21508704	21508778	At5g53010	3	74	2	4	11
chr5	21532288	21532361	At5g53060	3	73	2	2	8
chr5	21544519	21544621	At5g53100	4	102	0	2	13
chr5	21553204	21553386	At5g53120	6	182	6	9	25
chr5	21562367	21562441	At5g53135	3	74	1	2	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	21587458	21587600	At5g53180	5	142	0	8	14
chr5	21611650	21611727	-	3	77	2	2	11
chr5	21614115	21614193	At5g53220	3	78	3	2	16
chr5	21616603	21616741	At5g53230	5	138	5	6	16
chr5	21616961	21617029	At5g53230	3	68	4	8	5
chr5	21647832	21647878	-	2	46	2	1	5
chr5	21650207	21650319	At5g53300	4	112	1	3	16
chr5	21650961	21651034	At5g53300	3	73	3	2	5
chr5	21654702	21654774	At5g53320	3	72	1	1	7
chr5	21660659	21660738	At5g53340	3	79	3	4	17
chr5	21677994	21678064	-	3	70	0	1	9
chr5	21686621	21686726	-	4	105	3	4	18
chr5	21694163	21694211	-	2	48	0	2	4
chr5	21701209	21701352	At5g53440	5	143	1	7	17
chr5	21723753	21723963	At5g53460	7	210	1	8	35
chr5	21724177	21724315	At5g53460	5	138	2	6	30
chr5	21725824	21725896	At5g53460	3	72	2	4	14
chr5	21737363	21737427	-	3	64	0	3	7
chr5	21741104	21741211	At5g53490	4	107	1	2	14
chr5	21751036	21751109	-	3	73	5	1	15
chr5	21754463	21754586	-	4	123	3	5	23
chr5	21755647	21755721	-	3	74	0	2	11
chr5	21765678	21765754	At5g53530	3	76	4	2	10
chr5	21767673	21767774	At5g53540	4	101	0	4	8
chr5	21777118	21777262	At5g53560	5	144	3	5	23
chr5	21783391	21783432	At5g53580	2	41	0	2	5
chr5	21788517	21788594	-	3	77	0	1	7
chr5	21791578	21791731	-	5	153	2	5	20
chr5	21794959	21795074	-	4	115	2	1	9
chr5	21805598	21805707	At5g53640	4	109	4	3	12
chr5	21808366	21808439	-	3	73	5	4	8
chr5	21819161	21819350	At5g53700	6	189	4	7	23
chr5	21827262	21827336	-	3	74	2	1	8
chr5	21842664	21842739	At5g53760	3	75	2	5	5
chr5	21847544	21847614	-	3	70	4	0	7
chr5	21849990	21850059	At5g53775	2	69	2	1	7
chr5	21856544	21856585	-	2	41	1	2	3
chr5	21858363	21858505	At5g53780	5	142	3	1	15
chr5	21880316	21880391	At5g53850	3	75	1	3	8
chr5	21884841	21884982	At5g53860	5	141	4	5	24
chr5	21887928	21887999	At5g53870	3	71	5	5	17
chr5	21888294	21888335	At5g53870	2	41	2	2	8
chr5	21897685	21897829	At5g53890	5	144	1	7	21
chr5	21899945	21900020	At5g53900	3	75	0	6	1
chr5	21904856	21904934	-	3	78	2	1	23
chr5	21906202	21906354	At5g53905	5	152	6	4	22
chr5	21910856	21910924	At5g53920	3	68	1	5	8
chr5	21920064	21920132	At5g53950	3	68	0	2	12
chr5	21920346	21920387	At5g53950	2	41	2	1	3
chr5	21925764	21925941	-	6	177	4	5	21

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	21933796	21934049	At5g53990	8	253	13	14	23
chr5	21941024	21941070	-	2	46	2	1	4
chr5	21943956	21944107	At5g54030	5	151	2	5	19
chr5	21945334	21945412	-	3	78	1	4	5
chr5	21966053	21966126	At5g54080	3	73	1	2	8
chr5	21982444	21982558	At5g54130	4	114	2	2	13
chr5	21985547	21985657	-	4	110	0	1	17
chr5	21988174	21988284	-	4	110	4	4	13
chr5	22024575	22024645	At5g54206	3	70	1	5	11
chr5	22025512	22025581	At5g54206	3	69	0	0	6
chr5	22028554	22028630	-	3	76	1	1	13
chr5	22046805	22046912	At5g54250	4	107	7	2	22
chr5	22047564	22047630	-	3	66	0	1	12
chr5	22055857	22055972	At5g54270	4	115	5	7	15
chr5	22056765	22056859	At5g54270	3	94	3	2	9
chr5	22058821	22058893	At5g54280	3	72	3	3	6
chr5	22067198	22067304	-	4	106	4	3	15
chr5	22068794	22068933	At5g54290	5	139	0	3	29
chr5	22076902	22077035	At5g54310	5	133	4	3	24
chr5	22088152	22088262	At5g54350	4	110	4	3	14
chr5	22094241	22094321	-	3	80	0	1	9
chr5	22096263	22096334	At5g54380	3	71	2	2	12
chr5	22107920	22108029	At5g54400	4	109	7	3	11
chr5	22111996	22112068	At5g54410	3	72	1	5	10
chr5	22118331	22118473	At5g54440	5	142	3	6	18
chr5	22121007	22121086	At5g54440	2	79	1	1	9
chr5	22122179	22122366	At5g54440	6	187	5	9	23
chr5	22125485	22125526	-	2	41	0	1	14
chr5	22125967	22126077	At5g54450	4	110	6	8	17
chr5	22126935	22127045	-	4	110	4	2	11
chr5	22132612	22132755	At5g54470	5	143	8	3	16
chr5	22132957	22133065	-	4	108	4	5	17
chr5	22136035	22136103	At5g54480	3	68	2	3	15
chr5	22149344	22149416	At5g54510	3	72	2	3	11
chr5	22155513	22155633	-	4	120	1	5	12
chr5	22164575	22164646	At5g54520	3	71	1	3	10
chr5	22169360	22169502	-	5	142	1	1	9
chr5	22175930	22176003	At5g54550	3	73	5	3	5
chr5	22189132	22189204	At5g54580	3	72	0	2	13
chr5	22189977	22190018	At5g54580	2	41	2	0	6
chr5	22198178	22198323	At5g54590	5	145	4	5	25
chr5	22201051	22201130	At5g54600	3	79	2	3	11
chr5	22203453	22203565	At5g54610	4	112	4	4	12
chr5	22218781	22218853	At5g54650	3	72	2	3	2
chr5	22223500	22223541	-	2	41	0	2	5
chr5	22224813	22224882	-	3	69	3	1	7
chr5	22230345	22230418	At5g54670	3	73	3	4	10
chr5	22234324	22234396	At5g54680	3	72	6	6	6
chr5	22236070	22236179	At5g54680	4	109	1	7	16
chr5	22238230	22238303	At5g54690	3	73	1	2	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	22268263	22268370	At5g54780	4	107	0	3	9
chr5	22274726	22274779	-	2	53	1	0	8
chr5	22286613	22286685	-	3	72	4	1	12
chr5	22291719	22291825	At5g54830	4	106	4	5	17
chr5	22292265	22292332	At5g54830	3	67	1	2	17
chr5	22294814	22294975	At5g54840	5	161	1	2	12
chr5	22296866	22297007	-	5	141	4	3	19
chr5	22298927	22299035	-	4	108	1	2	9
chr5	22303137	22303206	At5g54860	3	69	3	3	12
chr5	22312770	22312879	At5g54900	4	109	6	7	20
chr5	22313193	22313265	At5g54900	3	72	2	7	15
chr5	22329195	22329381	At5g54960	6	186	7	12	16
chr5	22335935	22336114	At5g55000	6	179	2	3	18
chr5	22337553	22337622	At5g55000	3	69	2	3	10
chr5	22343436	22343506	At5g55020	3	70	1	3	13
chr5	22347853	22347923	At5g55040	3	70	0	3	13
chr5	22353045	22353186	-	5	141	1	4	14
chr5	22355886	22356038	At5g55050	4	152	1	4	13
chr5	22362085	22362156	At5g55060	3	71	3	7	5
chr5	22373494	22373640	-	5	146	3	1	23
chr5	22378108	22378252	-	5	144	6	3	15
chr5	22381102	22381170	At5g55100	3	68	0	2	12
chr5	22381419	22381497	At5g55100	3	78	3	5	8
chr5	22402302	22402378	-	3	76	1	3	12
chr5	22402493	22402616	-	4	123	4	3	10
chr5	22416775	22416847	At5g55220	3	72	3	1	9
chr5	22424405	22424477	At5g55240	3	72	2	3	14
chr5	22441283	22441382	At5g55290	4	99	9	3	12
chr5	22445397	22445475	At5g55300	3	78	1	3	3
chr5	22462246	22462333	-	3	87	3	1	9
chr5	22464125	22464196	At5g55380	3	71	3	2	8
chr5	22467692	22467766	At5g55390	3	74	0	4	7
chr5	22468668	22468804	At5g55390	5	136	3	7	12
chr5	22479015	22479087	-	3	72	0	2	15
chr5	22484702	22484775	-	3	73	0	1	13
chr5	22484922	22485034	At5g55450	4	112	8	15	7
chr5	22495069	22495136	At5g55480	3	67	4	6	11
chr5	22496171	22496281	At5g55490	4	110	2	3	10
chr5	22505705	22505775	At5g55520	3	70	1	4	10
chr5	22506235	22506376	At5g55520	5	141	5	5	13
chr5	22515110	22515181	At5g55540	3	71	1	3	13
chr5	22516416	22516525	At5g55540	4	109	3	3	10
chr5	22519956	22520097	At5g55550	5	141	4	10	15
chr5	22521386	22521463	-	3	77	0	0	12
chr5	22549910	22550016	At5g55630	4	106	0	6	17
chr5	22556725	22556863	At5g55660	5	138	2	4	34
chr5	22559253	22559365	At5g55660	4	112	4	5	25
chr5	22563555	22563624	At5g55670	3	69	2	5	7
chr5	22569148	22569189	-	2	41	3	4	5
chr5	22576546	22576622	At5g55730	3	76	1	2	7

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	22583901	22583942	-	2	41	0	2	6
chr5	22585257	22585368	At5g55760	4	111	1	5	22
chr5	22589254	22589363	At5g55770	4	109	3	5	13
chr5	22591066	22591139	-	3	73	4	4	14
chr5	22593779	22593926	-	5	147	5	5	21
chr5	22597156	22597197	-	2	41	1	2	10
chr5	22599027	22599170	At5g55800	5	143	1	7	14
chr5	22602161	22602237	At5g55810	3	76	3	3	9
chr5	22603955	22604022	At5g55820	3	67	4	6	8
chr5	22609516	22609701	At5g55820	6	185	4	5	20
chr5	22610426	22610643	At5g55820	7	217	5	5	27
chr5	22614819	22614897	-	3	78	0	1	16
chr5	22620573	22620641	-	3	68	2	3	11
chr5	22621065	22621176	At5g55850	4	111	1	7	17
chr5	22625634	22625782	-	5	148	4	2	18
chr5	22641674	22641715	-	2	41	0	0	9
chr5	22646415	22646521	At5g55896	4	106	0	3	14
chr5	22657399	22657610	At5g55910	7	211	6	9	21
chr5	22664290	22664400	At5g55920	4	110	1	6	11
chr5	22667463	22667568	-	4	105	2	1	13
chr5	22668722	22668831	-	4	109	4	3	11
chr5	22671447	22671589	At5g55930	5	142	4	10	19
chr5	22675100	22675176	At5g55940	3	76	6	3	4
chr5	22676254	22676365	At5g55950	4	111	1	2	19
chr5	22696662	22696733	At5g56000	3	71	0	2	7
chr5	22698668	22698743	At5g56010	3	75	1	4	7
chr5	22703914	22704012	-	3	98	1	1	15
chr5	22714107	22714176	At5g56040	3	69	4	7	5
chr5	22727596	22727744	At5g56075	5	148	4	1	14
chr5	22729465	22729535	At5g56080	3	70	4	1	18
chr5	22732218	22732366	At5g56090	5	148	6	8	25
chr5	22733767	22733838	At5g56090	3	71	1	2	5
chr5	22742427	22742531	-	3	104	1	4	10
chr5	22748745	22748786	-	2	41	1	2	6
chr5	22757098	22757207	At5g56180	4	109	1	5	12
chr5	22766315	22766460	At5g56200	5	145	4	8	20
chr5	22783432	22783537	-	4	105	2	3	22
chr5	22787399	22787611	At5g56250	7	212	5	9	22
chr5	22788959	22789029	At5g56250	3	70	0	2	14
chr5	22792750	22792859	At5g56260	4	109	3	7	10
chr5	22793494	22793745	At5g56260	8	251	2	10	27
chr5	22796224	22796294	-	3	70	1	3	3
chr5	22799205	22799277	At5g56270	3	72	3	1	17
chr5	22803357	22803398	-	2	41	2	1	3
chr5	22804286	22804354	At5g56290	3	68	2	7	13
chr5	22806196	22806237	At5g56290	2	41	1	1	6
chr5	22812424	22812498	-	3	74	1	2	10
chr5	22843264	22843360	At5g56360	4	96	0	2	18
chr5	22855028	22855144	At5g56370	4	116	1	2	13
chr5	22857195	22857375	At5g56380	6	180	8	5	14

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	22863887	22864101	At5g56400	7	214	2	4	29
chr5	22867387	22867493	At5g56410	4	106	4	4	13
chr5	22876340	22876446	At5g56450	4	106	4	4	13
chr5	22886016	22886058	-	2	42	0	0	11
chr5	22888959	22889103	At5g56490	5	144	7	10	21
chr5	22891001	22891079	-	3	78	2	1	4
chr5	22892816	22892961	At5g56500	5	145	1	3	28
chr5	22894049	22894120	At5g56500	3	71	0	5	8
chr5	22900903	22901236	At5g56510	10	333	5	6	32
chr5	22901790	22901854	-	3	64	2	1	9
chr5	22922800	22922878	At5g56580	3	78	1	1	16
chr5	22952131	22952272	At5g56660	5	141	4	7	20
chr5	22958747	22958852	-	4	105	0	4	12
chr5	22960886	22960965	-	2	79	2	1	3
chr5	22967490	22967644	At5g56730	5	154	0	6	12
chr5	22969918	22970094	-	6	176	6	7	16
chr5	22970687	22970728	At5g56740	2	41	3	3	8
chr5	22971452	22971561	At5g56740	4	109	0	4	10
chr5	22976740	22976850	At5g56750	4	110	4	5	12
chr5	22992321	22992368	At5g56810	2	47	1	2	5
chr5	22995105	22995174	-	3	69	0	3	12
chr5	23001545	23001586	-	2	41	1	0	10
chr5	23011432	23011603	-	5	171	7	3	13
chr5	23030659	23030770	At5g56890	4	111	2	3	27
chr5	23039854	23039999	At5g56900	5	145	5	6	30
chr5	23040391	23040456	At5g56910	2	65	4	3	4
chr5	23047422	23047561	At5g56930	5	139	4	8	12
chr5	23047674	23047747	At5g56930	3	73	7	5	12
chr5	23051248	23051318	At5g56950	3	70	1	6	13
chr5	23055540	23055616	-	3	76	0	1	9
chr5	23057244	23057317	At5g56960	3	73	4	2	14
chr5	23072206	23072269	-	2	63	1	1	8
chr5	23079866	23080050	-	6	184	4	1	16
chr5	23090790	23090907	At5g57015	4	117	5	1	22
chr5	23105925	23106109	At5g57050	6	184	7	8	27
chr5	23113471	23113620	At5g57070	5	149	10	14	9
chr5	23113827	23113900	At5g57070	3	73	6	2	13
chr5	23126546	23126587	-	2	41	2	1	4
chr5	23130757	23130942	At5g57110	6	185	1	9	18
chr5	23131963	23132035	At5g57110	3	72	0	5	8
chr5	23133818	23133891	At5g57110	3	73	2	4	7
chr5	23139878	23139992	At5g57120	4	114	5	3	11
chr5	23178503	23178560	At5g57160	2	57	0	2	5
chr5	23188562	23188844	-	9	282	4	8	29
chr5	23199694	23199765	At5g57210	3	71	2	5	17
chr5	23199869	23200009	At5g57210	5	140	7	4	13
chr5	23201859	23201906	-	2	47	0	0	9
chr5	23212833	23212934	-	4	101	1	5	13
chr5	23215608	23215749	At5g57260	5	141	4	4	31
chr5	23216828	23216892	At5g57260	3	64	5	4	8

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	23219936	23219986	At5g57270	2	50	0	1	3
chr5	23222650	23222722	At5g57280	3	72	2	6	8
chr5	23242760	23242862	-	4	102	0	2	10
chr5	23243236	23243312	-	3	76	0	3	6
chr5	23245333	23245405	At5g57340	3	72	4	1	14
chr5	23246121	23246196	At5g57340	3	75	3	3	7
chr5	23248705	23248780	At5g57350	3	75	2	4	8
chr5	23249457	23249596	At5g57350	5	139	4	3	23
chr5	23252121	23252231	At5g57350	4	110	2	8	15
chr5	23256294	23256408	-	4	114	1	1	14
chr5	23279022	23279092	-	3	70	2	4	9
chr5	23281035	23281081	-	2	46	0	1	7
chr5	23287102	23287256	-	5	154	2	2	9
chr5	23289890	23290035	At5g57440	5	145	3	6	13
chr5	23293008	23293148	At5g57460	5	140	7	8	26
chr5	23300772	23300924	-	5	152	7	8	11
chr5	23304698	23304773	At5g57500	3	75	0	1	20
chr5	23317777	23317854	At5g57530	3	77	3	2	5
chr5	23327483	23327579	-	3	96	4	3	12
chr5	23332472	23332625	At5g57580	5	153	4	9	23
chr5	23352953	23353280	At5g57620	10	327	3	12	23
chr5	23364367	23364512	At5g57655	5	145	1	6	26
chr5	23372648	23372838	-	6	190	8	9	22
chr5	23374826	23374936	-	4	110	3	4	15
chr5	23399164	23399237	-	3	73	2	1	9
chr5	23411404	23411513	At5g57735	4	109	3	3	13
chr5	23414915	23415004	-	3	89	1	0	13
chr5	23416067	23416173	-	4	106	1	4	10
chr5	23418132	23418208	At5g57760	3	76	1	3	12
chr5	23427122	23427231	-	4	109	0	1	11
chr5	23433839	23433983	-	5	144	5	3	8
chr5	23438289	23438330	At5g57800	2	41	0	0	8
chr5	23452702	23452847	At5g57850	5	145	1	4	20
chr5	23463321	23463435	At5g57880	4	114	3	2	11
chr5	23465961	23466111	At5g57890	5	150	3	1	21
chr5	23473705	23473813	At5g57930	4	108	4	2	10
chr5	23475934	23476040	At5g57940	4	106	4	7	16
chr5	23495897	23496045	At5g58000	5	148	3	4	21
chr5	23498576	23498654	At5g58000	3	78	2	6	10
chr5	23501638	23501781	At5g58010	5	143	3	6	24
chr5	23515568	23515643	At5g58060	3	75	9	5	5
chr5	23520440	23520589	At5g58080	5	149	1	5	25
chr5	23522857	23522925	At5g58090	3	68	2	6	14
chr5	23530607	23530726	At5g58100	4	119	1	2	15
chr5	23537806	23537913	At5g58120	4	107	5	3	15
chr5	23547072	23547139	At5g58140	3	67	2	4	12
chr5	23550523	23550665	-	5	142	4	4	16
chr5	23550880	23550957	-	3	77	5	1	9
chr5	23563826	23563899	At5g58190	3	73	3	5	10
chr5	23569850	23569957	At5g58210	4	107	3	2	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	23576136	23576182	At5g58240	2	46	0	0	7
chr5	23577151	23577354	At5g58250	7	203	6	4	19
chr5	23583368	23583415	At5g58270	2	47	0	3	9
chr5	23591029	23591130	At5g58300	4	101	0	4	24
chr5	23592364	23592440	At5g58300	3	76	1	5	23
chr5	23597602	23597784	At5g58330	6	182	3	3	17
chr5	23601936	23602002	-	3	66	2	2	14
chr5	23607219	23607372	-	5	153	2	3	21
chr5	23610991	23611062	At5g58370	3	71	1	4	22
chr5	23628511	23628588	At5g58410	3	77	0	6	9
chr5	23629435	23629512	At5g58410	3	77	2	3	12
chr5	23634677	23634751	-	3	74	3	3	15
chr5	23637591	23637669	At5g58420	3	78	0	0	18
chr5	23640976	23641115	-	5	139	3	9	13
chr5	23641414	23641482	At5g58440	3	68	4	3	4
chr5	23642859	23643001	At5g58440	5	142	4	15	5
chr5	23648020	23648133	At5g58450	4	113	1	4	17
chr5	23656737	23656804	At5g58470	3	67	0	3	5
chr5	23660271	23660383	At5g58490	4	112	8	8	15
chr5	23677989	23678095	At5g58530	4	106	11	4	8
chr5	23685491	23685628	At5g58550	5	137	4	2	36
chr5	23704249	23704323	At5g58610	3	74	1	3	12
chr5	23711792	23712048	At5g58620	8	256	11	12	38
chr5	23713781	23713886	At5g58630	4	105	5	6	7
chr5	23717601	23717745	-	5	144	6	3	30
chr5	23730727	23730794	At5g58700	3	67	1	1	13
chr5	23739416	23739489	At5g58720	3	73	4	1	3
chr5	23745669	23745738	-	3	69	5	6	10
chr5	23746613	23746837	At5g58750	7	224	4	6	38
chr5	23752840	23753059	At5g58770	7	219	9	12	17
chr5	23755784	23755933	At5g58782	5	149	3	3	21
chr5	23757986	23758058	At5g58784	3	72	3	1	12
chr5	23761995	23762040	-	2	45	3	5	6
chr5	23762757	23762830	At5g58790	3	73	3	2	19
chr5	23773014	23773082	-	3	68	1	2	10
chr5	23773553	23773629	At5g58830	3	76	4	4	13
chr5	23774762	23774830	At5g58830	3	68	1	5	9
chr5	23786975	23787041	-	3	66	1	1	10
chr5	23787365	23787438	At5g58870	3	73	0	4	5
chr5	23789773	23789843	At5g58870	3	70	1	6	6
chr5	23793411	23793479	At5g58880	3	68	1	1	17
chr5	23794138	23794214	At5g58880	3	76	2	4	9
chr5	23794916	23794984	At5g58880	3	68	1	1	17
chr5	23796131	23796284	At5g58880	5	153	0	4	15
chr5	23796527	23796604	At5g58880	3	77	0	2	19
chr5	23800209	23800287	-	3	78	3	1	7
chr5	23805784	23805858	-	3	74	2	2	8
chr5	23806424	23806494	-	3	70	2	2	12
chr5	23810687	23810832	At5g58920	5	145	4	3	28
chr5	23812646	23812753	At5g58930	4	107	6	5	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	23836759	23836932	At5g59000	6	173	0	7	20
chr5	23840007	23840142	At5g59010	4	135	7	8	9
chr5	23845647	23845788	At5g59020	5	141	2	3	27
chr5	23859341	23859532	At5g59050	6	191	5	6	30
chr5	23863362	23863475	At5g59070	4	113	2	5	15
chr5	23871123	23871475	At5g59090	11	352	15	17	43
chr5	23874007	23874061	-	2	54	1	1	10
chr5	23878114	23878193	At5g59100	3	79	7	6	12
chr5	23878506	23878581	At5g59100	3	75	2	3	10
chr5	23881409	23881450	-	2	41	0	0	4
chr5	23891313	23891383	-	3	70	4	1	13
chr5	23894207	23894382	At5g59150	6	175	1	4	27
chr5	23898118	23898332	At5g59160	7	214	5	7	29
chr5	23903327	23903434	At5g59190	4	107	2	4	9
chr5	23906295	23906398	At5g59200	4	103	3	5	11
chr5	23911951	23912022	At5g59220	3	71	5	2	3
chr5	23914996	23915066	-	3	70	1	2	13
chr5	23918242	23918466	-	7	224	8	9	20
chr5	23928491	23928765	At5g59270	9	274	1	9	29
chr5	23937931	23938022	At5g59300	3	91	2	2	6
chr5	23940269	23940341	-	3	72	1	1	14
chr5	23952739	23952813	-	3	74	3	1	7
chr5	23962943	23963014	At5g59360	3	71	8	7	10
chr5	23968599	23968681	At5g59370	3	82	1	5	9
chr5	23981951	23982020	At5g59420	3	69	1	3	9
chr5	23985147	23985193	At5g59430	2	46	0	1	7
chr5	23985442	23985544	At5g59430	4	102	2	2	16
chr5	23988658	23988763	At5g59440	4	105	5	5	12
chr5	23999899	24000008	-	4	109	2	1	10
chr5	24006310	24006364	-	2	54	1	0	11
chr5	24012135	24012247	At5g59530	4	112	0	3	19
chr5	24013180	24013249	-	3	69	3	9	8
chr5	24016965	24017105	At5g59550	5	140	8	4	27
chr5	24018474	24018515	At5g59560	2	41	3	2	5
chr5	24024036	24024187	At5g59580	5	151	0	6	23
chr5	24025561	24025605	-	2	44	1	1	6
chr5	24030262	24030401	-	4	139	4	5	15
chr5	24048860	24048967	At5g59650	4	107	2	7	19
chr5	24049588	24049697	At5g59650	4	109	0	8	15
chr5	24052714	24052862	-	5	148	1	2	23
chr5	24055282	24055354	At5g59660	3	72	0	1	12
chr5	24057913	24057977	-	3	64	1	1	6
chr5	24058610	24058676	-	3	66	0	2	12
chr5	24069017	24069125	At5g59690	4	108	6	5	16
chr5	24069698	24069840	At5g59700	5	142	4	5	14
chr5	24070447	24070615	At5g59700	6	168	7	9	20
chr5	24073282	24073352	-	3	70	0	0	11
chr5	24082137	24082210	At5g59730	3	73	7	4	7
chr5	24089289	24089362	At5g59740	3	73	0	4	15
chr5	24103431	24103542	-	4	111	0	0	21

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	24113094	24113204	At5g59800	4	110	3	5	12
chr5	24116694	24116769	At5g59810	3	75	5	7	12
chr5	24126217	24126321	At5g59840	4	104	3	4	13
chr5	24137442	24137621	-	6	179	5	5	17
chr5	24138175	24138282	At5g59880	4	107	3	3	14
chr5	24152132	24152203	At5g59930	3	71	0	1	14
chr5	24158159	24158226	At5g59950	3	67	1	1	13
chr5	24163991	24164063	-	3	72	2	4	8
chr5	24169073	24169148	At5g59990	3	75	0	1	9
chr5	24186735	24186801	At5g60020	3	66	1	4	10
chr5	24187420	24187495	At5g60020	3	75	0	4	5
chr5	24193768	24193844	At5g60040	3	76	1	4	9
chr5	24199617	24199729	At5g60040	4	112	2	4	11
chr5	24200189	24200299	At5g60040	4	110	4	5	12
chr5	24207516	24207596	-	3	80	4	1	4
chr5	24214526	24214595	At5g60090	3	69	4	7	11
chr5	24215221	24215262	-	2	41	0	1	7
chr5	24220696	24220876	-	6	180	1	8	16
chr5	24227468	24227586	At5g60120	4	118	3	5	13
chr5	24229515	24229589	At5g60130	3	74	0	4	5
chr5	24230162	24230239	At5g60130	3	77	1	4	12
chr5	24243933	24244043	At5g60160	4	110	5	5	24
chr5	24271105	24271211	At5g60250	4	106	2	6	15
chr5	24275530	24275647	At5g60270	4	117	1	0	19
chr5	24277639	24277715	-	3	76	1	2	13
chr5	24278940	24279122	At5g60280	6	182	3	6	25
chr5	24285442	24285552	At5g60310	4	110	1	2	16
chr5	24291291	24291403	At5g60340	4	112	2	4	14
chr5	24300298	24300369	At5g60370	3	71	6	7	5
chr5	24312355	24312428	At5g60410	3	73	2	4	15
chr5	24313728	24313913	At5g60410	6	185	3	12	18
chr5	24315416	24315522	At5g60410	4	106	2	4	9
chr5	24334782	24334851	At5g60460	3	69	5	5	11
chr5	24360368	24360445	-	3	77	2	1	4
chr5	24364559	24364669	-	4	110	4	0	14
chr5	24377294	24377364	At5g60600	3	70	2	3	15
chr5	24384332	24384408	-	3	76	1	1	12
chr5	24390648	24390725	At5g60640	3	77	4	5	10
chr5	24398531	24398602	At5g60670	3	71	5	8	10
chr5	24415734	24415842	At5g60690	4	108	1	7	17
chr5	24416900	24416941	At5g60690	2	41	2	2	11
chr5	24429500	24429612	At5g60710	4	112	2	7	17
chr5	24431750	24431822	At5g60710	3	72	1	0	10
chr5	24440753	24440961	At5g60730	7	208	5	11	25
chr5	24443990	24444063	At5g60740	3	73	1	3	9
chr5	24445646	24445725	At5g60740	3	79	0	4	12
chr5	24446095	24446201	At5g60740	4	106	3	3	11
chr5	24451130	24451171	-	2	41	1	1	4
chr5	24469289	24469360	At5g60780	3	71	1	3	8
chr5	24471883	24471954	At5g60790	3	71	1	4	10

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	24479506	24479658	At5g60800	5	152	3	3	16
chr5	24497593	24497664	-	3	71	0	6	10
chr5	24501248	24501383	-	5	135	5	3	17
chr5	24503394	24503530	At5g60870	5	136	4	6	21
chr5	24504699	24504815	At5g60870	4	116	9	9	15
chr5	24507743	24507888	-	5	145	2	0	12
chr5	24539772	24539840	-	3	68	3	4	9
chr5	24542895	24542997	At5g60940	4	102	1	3	12
chr5	24545583	24545624	At5g60960	2	41	0	1	8
chr5	24555749	24555811	-	3	62	1	2	8
chr5	24559399	24559478	-	3	79	1	4	10
chr5	24564605	24564711	At5g60990	4	106	2	4	15
chr5	24569090	24569162	At5g61000	3	72	2	5	8
chr5	24571745	24571890	At5g61010	5	145	1	5	24
chr5	24573154	24573257	At5g61010	4	103	6	5	9
chr5	24583944	24583990	-	2	46	1	1	5
chr5	24585802	24585872	At5g61060	3	70	0	2	14
chr5	24586714	24586826	At5g61060	4	112	2	3	15
chr5	24588063	24588205	At5g61060	5	142	8	8	9
chr5	24591103	24591242	At5g61070	5	139	3	6	12
chr5	24592386	24592527	At5g61080	5	141	4	9	18
chr5	24600995	24601213	At5g61120	7	218	6	4	30
chr5	24616831	24616904	At5g61140	3	73	3	7	8
chr5	24619508	24619580	At5g61140	3	72	2	5	9
chr5	24626640	24626708	At5g61160	3	68	6	5	9
chr5	24628881	24629016	At5g61170	5	135	4	7	26
chr5	24632787	24632927	At5g61190	5	140	4	4	19
chr5	24642470	24642541	At5g61210	3	71	2	3	13
chr5	24643977	24644086	At5g61220	4	109	5	5	14
chr5	24648101	24648179	At5g61240	3	78	2	6	9
chr5	24688075	24688141	-	3	66	1	0	19
chr5	24692906	24692972	At5g61380	2	66	0	0	11
chr5	24698915	24698987	At5g61400	3	72	4	4	8
chr5	24700393	24700613	At5g61400	7	220	4	9	27
chr5	24702010	24702118	At5g61410	4	108	0	5	13
chr5	24707511	24707580	At5g61420	3	69	2	1	10
chr5	24711827	24711894	-	3	67	3	1	11
chr5	24714120	24714187	-	3	67	2	1	8
chr5	24717602	24717646	-	2	44	0	0	1
chr5	24736919	24737032	At5g61460	4	113	1	3	13
chr5	24738874	24738917	At5g61460	2	43	2	4	5
chr5	24739060	24739241	At5g61460	6	181	10	6	22
chr5	24741883	24741953	At5g61480	3	70	5	6	4
chr5	24748517	24748622	-	4	105	1	1	16
chr5	24756752	24756860	At5g61520	4	108	4	6	8
chr5	24762844	24762950	At5g61540	4	106	4	6	20
chr5	24763698	24763769	At5g61540	3	71	0	2	10
chr5	24763933	24764011	At5g61540	3	78	2	3	11
chr5	24769044	24769118	-	3	74	0	0	11
chr5	24783853	24783972	At5g61600	4	119	8	6	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	24785210	24785262	-	2	52	0	2	3
chr5	24790827	24790907	-	3	80	0	1	8
chr5	24806628	24806746	-	4	118	6	1	5
chr5	24808053	24808094	At5g61690	2	41	2	3	8
chr5	24808715	24808784	At5g61690	3	69	1	5	11
chr5	24819101	24819176	At5g61720	3	75	3	8	8
chr5	24823561	24823698	At5g61730	5	137	1	5	20
chr5	24824854	24824998	At5g61730	5	144	5	2	25
chr5	24831303	24831371	At5g61760	3	68	3	4	9
chr5	24839927	24840005	At5g61780	3	78	1	6	17
chr5	24849190	24849296	At5g61810	4	106	3	4	11
chr5	24851189	24851437	-	8	248	5	16	20
chr5	24853236	24853407	At5g61820	6	171	5	7	28
chr5	24859201	24859313	-	4	112	4	3	18
chr5	24875756	24875827	At5g61900	3	71	2	3	6
chr5	24883739	24883883	At5g61930	5	144	3	5	10
chr5	24886584	24886692	At5g61940	4	108	0	5	17
chr5	24891542	24891690	At5g61950	5	148	3	5	25
chr5	24895688	24895844	-	5	156	4	6	15
chr5	24903397	24903507	-	4	110	3	2	10
chr5	24904287	24904396	-	4	109	7	5	17
chr5	24905890	24905958	At5g61970	3	68	5	3	3
chr5	24906174	24906313	At5g61970	5	139	5	6	16
chr5	24911480	24911554	-	2	74	1	1	7
chr5	24923095	24923205	-	4	110	1	4	17
chr5	24928273	24928377	At5g62000	4	104	4	6	14
chr5	24931050	24931122	At5g62000	3	72	1	5	14
chr5	24936492	24936569	At5g62030	3	77	2	4	12
chr5	24955276	24955351	At5g62090	3	75	3	3	16
chr5	24963802	24963984	-	6	182	4	2	15
chr5	24966296	24966368	-	3	72	5	0	7
chr5	24987170	24987242	-	3	72	1	3	7
chr5	24987914	24987988	-	3	74	1	3	8
chr5	24991800	24991876	At5g62170	3	76	3	3	10
chr5	24998501	24998694	At5g62190	6	193	4	8	17
chr5	24999117	24999184	At5g62190	3	67	0	4	13
chr5	25000514	25000623	At5g62190	4	109	2	2	8
chr5	25007877	25007946	-	3	69	5	8	16
chr5	25015426	25015492	At5g62230	3	66	3	6	9
chr5	25018612	25018681	At5g62230	3	69	2	2	15
chr5	25028001	25028075	At5g62260	3	74	1	6	18
chr5	25029205	25029566	-	11	361	17	8	24
chr5	25030389	25030500	At5g62270	4	111	4	6	17
chr5	25035848	25035933	-	3	85	1	0	7
chr5	25039392	25039433	At5g62300	2	41	1	4	6
chr5	25046204	25046309	At5g62320	4	105	8	8	8
chr5	25050855	25050925	At5g62340	3	70	7	7	3
chr5	25060877	25060925	At5g62370	2	48	1	2	3
chr5	25061310	25061380	At5g62370	3	70	0	7	8
chr5	25074065	25074211	At5g62410	5	146	3	5	26

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	25074922	25075064	At5g62410	5	142	2	4	23
chr5	25081026	25081130	-	4	104	4	2	9
chr5	25088202	25088302	-	4	100	0	2	13
chr5	25093419	25093496	At5g62460	3	77	1	1	10
chr5	25107961	25108095	At5g62490	4	134	3	5	15
chr5	25109307	25109454	-	5	147	1	3	12
chr5	25117170	25117322	At5g62530	5	152	1	5	15
chr5	25117954	25118141	At5g62530	6	187	2	6	18
chr5	25131384	25131453	-	3	69	5	3	10
chr5	25138454	25138602	At5g62580	5	148	3	4	23
chr5	25155609	25155685	At5g62620	3	76	1	2	19
chr5	25162365	25162434	At5g62630	3	69	7	5	12
chr5	25162837	25162907	At5g62630	3	70	2	5	12
chr5	25165568	25165645	-	3	77	2	0	6
chr5	25175805	25175872	-	2	67	2	3	6
chr5	25200241	25200353	At5g62690	4	112	2	9	16
chr5	25203940	25204008	-	3	68	3	2	11
chr5	25222949	25223019	At5g62760	3	70	3	2	11
chr5	25224557	25224628	At5g62760	3	71	2	6	9
chr5	25225440	25225589	At5g62760	5	149	4	2	19
chr5	25230380	25230453	-	3	73	4	2	6
chr5	25241862	25241969	At5g62820	4	107	10	7	14
chr5	25250448	25250769	At5g62860	10	321	7	8	51
chr5	25258479	25258619	-	5	140	2	1	11
chr5	25261191	25261338	At5g62890	5	147	2	4	16
chr5	25263647	25263796	At5g62890	5	149	3	9	13
chr5	25274633	25274706	At5g62940	3	73	1	0	10
chr5	25277325	25277367	-	2	42	1	1	10
chr5	25303198	25303270	At5g63020	3	72	1	3	11
chr5	25311255	25311329	At5g63050	3	74	4	4	12
chr5	25316260	25316435	-	6	175	3	7	20
chr5	25321991	25322065	-	3	74	1	0	14
chr5	25324437	25324540	-	4	103	1	0	19
chr5	25337755	25337859	At5g63120	4	104	1	4	15
chr5	25341187	25341275	At5g63130	3	88	5	5	8
chr5	25342551	25342621	At5g63135	3	70	2	3	5
chr5	25344495	25344566	-	3	71	1	1	8
chr5	25348006	25348116	At5g63150	4	110	1	4	12
chr5	25353644	25353715	-	3	71	1	4	6
chr5	25369434	25369544	At5g63200	4	110	5	7	7
chr5	25386009	25386081	At5g63280	3	72	3	3	10
chr5	25396893	25396968	At5g63340	3	75	5	1	9
chr5	25402682	25402748	At5g63370	3	66	2	4	6
chr5	25403540	25403614	At5g63370	3	74	1	6	12
chr5	25411509	25411649	At5g63400	5	140	2	4	11
chr5	25412131	25412172	-	2	41	4	4	9
chr5	25415564	25415774	-	7	210	5	6	27
chr5	25416149	25416219	-	3	70	3	2	5
chr5	25422707	25422776	At5g63420	3	69	2	4	18
chr5	25426887	25427026	At5g63450	5	139	12	9	11

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	25431049	25431193	At5g63460	5	144	5	5	17
chr5	25473426	25473532	At5g63580	4	106	4	3	15
chr5	25475492	25475633	At5g63590	5	141	6	8	13
chr5	25482945	25483045	At5g63610	4	100	6	8	26
chr5	25485929	25485985	-	2	56	1	1	4
chr5	25501672	25501815	-	5	143	2	1	22
chr5	25520049	25520124	-	3	75	4	3	11
chr5	25525057	25525167	At5g63720	4	110	3	2	26
chr5	25535113	25535180	-	3	67	0	1	7
chr5	25544891	25544961	At5g63790	3	70	2	1	10
chr5	25551146	25551217	At5g63800	3	71	6	1	12
chr5	25562234	25562385	-	5	151	4	0	19
chr5	25574061	25574205	At5g63860	5	144	4	8	15
chr5	25576119	25576178	-	2	59	0	0	5
chr5	25587616	25587689	-	3	73	0	1	15
chr5	25589066	25589154	-	3	88	1	2	13
chr5	25600423	25600496	At5g63930	3	73	2	5	13
chr5	25608529	25608635	At5g63940	4	106	1	3	19
chr5	25610641	25610711	At5g63950	3	70	2	6	8
chr5	25620102	25620330	At5g63960	7	228	3	9	28
chr5	25627564	25627673	At5g63980	4	109	0	5	12
chr5	25630308	25630379	-	3	71	4	2	15
chr5	25632592	25632695	At5g63990	4	103	3	4	14
chr5	25635636	25635711	At5g64000	3	75	0	5	10
chr5	25637888	25638029	At5g64020	5	141	5	9	18
chr5	25646766	25646850	-	3	84	1	0	15
chr5	25650098	25650202	At5g64050	4	104	4	5	15
chr5	25651575	25651643	At5g64060	3	68	1	5	11
chr5	25656667	25656811	At5g64070	5	144	1	3	18
chr5	25657538	25657579	At5g64070	2	41	1	1	5
chr5	25659900	25660014	At5g64070	4	114	1	3	10
chr5	25663346	25663468	At5g64080	4	122	2	2	9
chr5	25665033	25665179	-	5	146	3	5	16
chr5	25674721	25674796	-	3	75	4	1	10
chr5	25698649	25698721	At5g64200	3	72	3	6	5
chr5	25706565	25706803	At5g64220	7	238	4	10	35
chr5	25710922	25711029	At5g64230	4	107	5	8	13
chr5	25714915	25715229	At5g64240	10	314	7	8	36
chr5	25724134	25724242	At5g64270	4	108	7	8	13
chr5	25724499	25724571	At5g64270	3	72	4	4	19
chr5	25725880	25725987	At5g64270	4	107	2	6	17
chr5	25727393	25727539	At5g64270	5	146	6	6	21
chr5	25736545	25736652	At5g64300	4	107	1	2	23
chr5	25741135	25741236	At5g64320	4	101	7	8	8
chr5	25764796	25764942	-	5	146	2	4	18
chr5	25765113	25765250	-	5	137	1	7	9
chr5	25769322	25769394	At5g64410	3	72	0	0	13
chr5	25770347	25770462	At5g64410	4	115	4	1	15
chr5	25776994	25777244	At5g64420	8	250	7	15	41
chr5	25784260	25784359	At5g64440	4	99	0	0	17

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	25785811	25785852	At5g64440	2	41	0	3	4
chr5	25790088	25790156	-	3	68	2	2	8
chr5	25796343	25796410	-	3	67	2	3	9
chr5	25801257	25801336	-	3	79	1	2	11
chr5	25802794	25802980	At5g64510	6	186	2	4	21
chr5	25808613	25808688	-	3	75	4	1	11
chr5	25828745	25828848	At5g64570	4	103	5	5	8
chr5	25830200	25830303	At5g64570	4	103	10	4	10
chr5	25831269	25831342	-	3	73	3	2	16
chr5	25839850	25839928	At5g64590	3	78	2	7	7
chr5	25850214	25850291	-	3	77	4	1	6
chr5	25851287	25851461	At5g64630	6	174	2	5	26
chr5	25867018	25867128	-	4	110	1	2	13
chr5	25868006	25868119	-	4	113	2	1	8
chr5	25868714	25868785	-	3	71	0	1	13
chr5	25869507	25869620	At5g64670	4	113	1	5	10
chr5	25871657	25871767	At5g64680	4	110	5	7	17
chr5	25888432	25888583	At5g64710	5	151	3	5	21
chr5	25890460	25890573	At5g64730	4	113	9	5	9
chr5	25896694	25896746	-	2	52	2	2	5
chr5	25901122	25901230	At5g64740	4	108	2	7	15
chr5	25905406	25905482	-	3	76	3	1	7
chr5	25906672	25906716	-	2	44	0	1	11
chr5	25912643	25912718	At5g64760	3	75	0	2	8
chr5	25927583	25927768	At5g64813	6	185	5	7	26
chr5	25928125	25928267	At5g64813	5	142	3	4	22
chr5	25935475	25935547	At5g64840	3	72	1	4	9
chr5	25936550	25936654	At5g64840	4	104	2	4	7
chr5	25941293	25941363	-	3	70	4	5	9
chr5	25944622	25944768	At5g64860	5	146	4	8	12
chr5	25948442	25948512	At5g64870	3	70	3	5	10
chr5	25967102	25967210	At5g64940	4	108	0	1	23
chr5	25971364	25971475	At5g64950	4	111	4	7	10
chr5	25973966	25974120	At5g64960	5	154	2	4	20
chr5	25987203	25987312	At5g65010	4	109	5	1	17
chr5	25994832	25995092	-	8	260	5	1	18
chr5	26017513	26017619	At5g65080	4	106	1	3	18
chr5	26025891	26025967	-	3	76	2	2	13
chr5	26029866	26030017	-	5	151	1	2	21
chr5	26043214	26043261	-	2	47	2	0	8
chr5	26045644	26045728	-	3	84	0	0	6
chr5	26051986	26052123	At5g65165	5	137	7	7	17
chr5	26066553	26066660	At5g65200	4	107	5	6	14
chr5	26067087	26067217	At5g65200	4	130	3	4	22
chr5	26083265	26083336	-	3	71	0	3	13
chr5	26091780	26091854	-	3	74	1	5	12
chr5	26098443	26098513	At5g65260	3	70	0	2	11
chr5	26109623	26109692	At5g65290	3	69	2	5	9
chr5	26120575	26120722	At5g65310	5	147	7	2	19
chr5	26152183	26152284	-	4	101	3	4	13

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	26169448	26169662	At5g65440	7	214	5	7	30
chr5	26173296	26173366	At5g65440	3	70	1	4	15
chr5	26177362	26177436	At5g65450	3	74	0	2	10
chr5	26181106	26181181	At5g65460	3	75	1	5	12
chr5	26181738	26181844	At5g65460	4	106	0	6	18
chr5	26190122	26190163	At5g65470	2	41	0	1	8
chr5	26202504	26202580	-	3	76	2	1	4
chr5	26203579	26203651	At5g65510	3	72	2	6	6
chr5	26204057	26204132	At5g65510	3	75	1	0	14
chr5	26207823	26207926	At5g65530	4	103	0	2	8
chr5	26216867	26216939	At5g65550	3	72	3	3	16
chr5	26230032	26230100	At5g65590	3	68	4	5	14
chr5	26231703	26231780	-	3	77	1	2	9
chr5	26240040	26240186	At5g65620	5	146	2	3	26
chr5	26245333	26245478	At5g65630	5	145	10	7	18
chr5	26252374	26252432	-	2	58	0	1	2
chr5	26270593	26270664	-	3	71	2	2	8
chr5	26274083	26274221	-	5	138	4	2	13
chr5	26277124	26277168	At5g65676	2	44	1	1	7
chr5	26279700	26279846	At5g65683	5	146	19	6	11
chr5	26284134	26284209	At5g65690	3	75	3	0	13
chr5	26296635	26296834	-	6	199	5	2	25
chr5	26298724	26298875	-	5	151	1	3	13
chr5	26303198	26303275	-	3	77	1	1	11
chr5	26307501	26307547	-	2	46	0	3	9
chr5	26310776	26310847	At5g65710	3	71	6	6	3
chr5	26311382	26311459	At5g65710	3	77	3	6	11
chr5	26313107	26313183	-	3	76	2	3	15
chr5	26313439	26313509	-	3	70	7	3	5
chr5	26319610	26319677	At5g65740	3	67	3	5	14
chr5	26325859	26325900	At5g65760	2	41	2	3	9
chr5	26345141	26345239	-	4	98	3	5	11
chr5	26351042	26351149	-	4	107	5	3	6
chr5	26354559	26354634	-	3	75	6	5	12
chr5	26359947	26360021	At5g65830	3	74	7	4	14
chr5	26370697	26370841	At5g65880	5	144	2	7	27
chr5	26373308	26373384	At5g65890	3	76	2	0	15
chr5	26373800	26373911	At5g65890	4	111	9	11	11
chr5	26375490	26375567	At5g65900	3	77	5	3	14
chr5	26380161	26380406	At5g65910	8	245	9	9	27
chr5	26389018	26389090	At5g65930	3	72	2	4	8
chr5	26412187	26412262	At5g65990	3	75	7	7	7
chr5	26415027	26415177	At5g66005	5	150	1	7	25
chr5	26422407	26422479	At5g66030	3	72	2	8	12
chr5	26423058	26423170	At5g66030	4	112	1	4	14
chr5	26425559	26425630	At5g66030	3	71	2	4	14
chr5	26427136	26427287	-	5	151	4	7	20
chr5	26429925	26430026	At5g66050	4	101	2	8	12
chr5	26444119	26444191	At5g66090	3	72	4	4	5
chr5	26449747	26449855	At5g66120	4	108	2	4	12

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	26455244	26455350	At5g66140	4	106	2	7	17
chr5	26458394	26458536	At5g66150	5	142	3	9	15
chr5	26463064	26463131	At5g66160	3	67	6	6	10
chr5	26465154	26465230	At5g66170	3	76	1	2	11
chr5	26475318	26475508	At5g66210	6	190	5	7	19
chr5	26486518	26486663	At5g66250	5	145	5	6	22
chr5	26502750	26502827	-	3	77	4	3	8
chr5	26505624	26505691	At5g66310	3	67	1	3	13
chr5	26511081	26511193	-	4	112	4	2	18
chr5	26528789	26528890	At5g66360	4	101	2	2	18
chr5	26529935	26530137	At5g66370	7	202	3	4	27
chr5	26536194	26536235	At5g66400	2	41	3	6	4
chr5	26541653	26541725	At5g66420	3	72	2	3	14
chr5	26544702	26544767	-	3	65	2	2	10
chr5	26548479	26548548	-	3	69	0	2	4
chr5	26549465	26549536	-	3	71	2	3	15
chr5	26552296	26552549	At5g66450	8	253	12	14	32
chr5	26555915	26556040	At5g66460	4	125	3	3	9
chr5	26559183	26559252	At5g66470	3	69	3	3	7
chr5	26565036	26565170	-	5	134	1	0	21
chr5	26566270	26566338	At5g66500	3	68	1	4	13
chr5	26567154	26567235	At5g66510	3	81	2	3	7
chr5	26567549	26567688	At5g66510	5	139	3	4	23
chr5	26573541	26573582	-	2	41	1	0	9
chr5	26576245	26576502	At5g66540	8	257	6	9	29
chr5	26577351	26577456	At5g66550	4	105	2	3	15
chr5	26581929	26581970	At5g66560	2	41	0	2	9
chr5	26583572	26583645	At5g66560	3	73	5	5	17
chr5	26593330	26593400	At5g66600	3	70	1	1	7
chr5	26617754	26617858	At5g66640	4	104	2	6	16
chr5	26626868	26626938	At5g66660	3	70	7	7	4
chr5	26635788	26636123	At5g66680	10	335	4	14	34
chr5	26651649	26651789	At5g66700	5	140	4	4	25
chr5	26656285	26656362	At5g66720	3	77	5	5	11
chr5	26659258	26659329	At5g66730	3	71	3	4	6
chr5	26668565	26668715	At5g66750	5	150	2	7	16
chr5	26682899	26683037	At5g66790	5	138	9	6	25
chr5	26690578	26690647	At5g66810	3	69	4	4	3
chr5	26718505	26718648	At5g66860	5	143	4	6	16
chr5	26729784	26729929	At5g66880	5	145	5	6	17
chr5	26732791	26732937	At5g66900	5	146	2	5	21
chr5	26733927	26733993	At5g66900	3	66	3	2	7
chr5	26734860	26735004	At5g66900	5	144	2	4	14
chr5	26737815	26737924	At5g66910	4	109	5	4	14
chr5	26739119	26739164	-	2	45	1	1	6
chr5	26753447	26753558	At5g66960	4	111	1	4	16
chr5	26757660	26757842	-	6	182	5	6	20
chr5	26767361	26767437	At5g67020	3	76	6	8	8
chr5	26771834	26771943	At5g67030	4	109	6	4	16
chr5	26772156	26772261	At5g67030	4	105	1	6	9

Hypermethylated

Chromosome	Start	End	Gene	probe #	Interval (bp)	CG	CNG	CHH
chr5	26772956	26773062	At5g67030	4	106	0	4	12
chr5	26773881	26774016	At5g67030	5	135	4	5	8
chr5	26775900	26776020	-	4	120	2	2	12
chr5	26777309	26777424	At5g67050	4	115	6	7	15
chr5	26784870	26784911	-	2	41	0	2	4
chr5	26792994	26793068	At5g67090	3	74	2	2	12
chr5	26794950	26795095	At5g67100	5	145	1	3	30
chr5	26798788	26798850	At5g67100	3	62	3	4	6
chr5	26818892	26818960	At5g67170	3	68	2	2	18
chr5	26841446	26841512	At5g67230	3	66	1	2	8
chr5	26845220	26845296	At5g67240	3	76	1	4	13
chr5	26850282	26850358	At5g67250	3	76	5	8	7
chr5	26855051	26855093	-	2	42	0	1	11
chr5	26866184	26866254	At5g67290	3	70	2	1	15
chr5	26873076	26873186	At5g67310	4	110	5	6	10
chr5	26889733	26889913	At5g67360	6	180	16	8	17
chr5	26894907	26894972	At5g67370	3	65	3	8	6
chr5	26904161	26904236	At5g67385	3	75	1	3	6
chr5	26913066	26913107	At5g67400	2	41	0	1	5
chr5	26913903	26914091	At5g67410	6	188	7	6	14
chr5	26923948	26924018	-	3	70	1	2	10
chr5	26930132	26930244	At5g67440	4	112	6	6	12
chr5	26930907	26931121	At5g67440	7	214	4	7	14
chr5	26931337	26931417	At5g67440	3	80	3	4	6
chr5	26940740	26940817	-	3	77	2	1	15
chr5	26943983	26944091	-	4	108	3	3	14
chr5	26944695	26944736	At5g67470	2	41	3	6	4
chr5	26951285	26951451	-	6	166	1	4	19
chr5	26955787	26955890	-	4	103	0	2	21
chr5	26964220	26964295	At5g67550	3	75	3	2	18
chr5	26972507	26972756	At5g67580	8	249	3	8	35
chr5	26978332	26978440	At5g67610	4	108	1	5	9
chr5	26980068	26980247	At5g67610	6	179	3	4	20
chr5	26983121	26983282	At5g67620	5	161	4	1	24
chr5	26988978	26989131	-	5	153	4	2	13
chr5	26990610	26990747	-	5	137	6	5	19
TOTAL (bp)					1533464			
Average (bp)				3.8	101.0	2.5	3.6	13.5