

Supplement Table 1. Identification, description, cattle and human map locations, human genome coordinates and primer sequences for all genes included in the second-generation 5000 rad cattle RH map.

Gene Symbol	Cattle				UniGene ID		UniGene		HSA	HSA cR	BTA	LGS	BTA cR	Primer-F	Primer-R	Annealing Temperature
	Accession	HSA	start (bp)	end (bp)	Human Hit	build 148	Gene Symbol	HSA								
76P	BE217433	15	41,244,346	41,244,415							21	B	211.99	Dorroch et al. 2001		
a173GTP	J04989	9	117,660,930	117,715,805	AF305838	Hs.97469		9	373.98	11	C	47.26	GTCTGACTTTTGTGCCAGTACAT	GATTACCACAGGTTCACTTCTCC		
AA029694	AW289389	12	96,596,135	96,596,546	AA029694	Hs.288555		12	373.92	05	A	304.95	CACAGAAATGAGGCAGACGCAA	CAACCTAGTATTCCCTCTCCTCC		
AA130213	AW425871	4	38,536,266	38,536,680	AA130213	Hs.94881		4	182.91	06	C	28.40	AAGTGTCTCTCTGGGGCAG	AAGGCTCTGGAACACTTCTGG	56	
AA284830	AW325685	4	83,798,666	83,799,096	AA284830	Hs.199647		4	448.71	06	C	298.66	TGGCTCTTGAATGGACCGAGTA	AACCAGTCAAGCAGCATGAAGG	60	
AA345351	AW477536	17	27,728,976	27,729,345	AA345351	Hs.18016		17	268.34	19	A	96.18	TGCACATAACTTCCCAGAC	AAATGGGTTAAACCTTTAGCAGAC	50	
AA490685	BF146286	16	19,060,150	19,060,398	AA490685	Hs.98073				25	A	97.89	Dorroch et al. 2001			
AA764789	AW428583	14	61,828,123	61,828,739	AA764789	Hs.283362				10	A	394.74	ACCCACAGTACAGAACTCTCA	AGAATCTTCTGGCACTGGCT	56	
AA828558	AW447770	4	82,740,360	82,740,775	AA828558	Hs.170278		4	443.76	06	C	220.18	GCTGTTAACCTCAAGAGTCA	TGACTGTTTGCAGAGCAACT	60	
AA835490	AW289227	15	83,879,506	83,879,783	AA835490	Hs.302741		15	306.58	21	A	34.11	AGGGTCTGAAGCCGATAACT	ACACCTGATACCTGTCTGTCT	60	
AANAT	AD000742	17	74,927,763	74,930,310	U40347	Hs.152972	AANAT			19	D	21.60	TCAGTGACCTTACCGGAGAT	TACGTTTCCCTTCAGACCAAGC	64	
AARS	AW428059	16	70,021,635	70,058,879	BG978804	Hs.75102	AARS	16	410.60	18	A	7.95	CGGTACACACACAGTTTGG	CTCCCACTTTCAGGCTACCG	50	
ABCB1	BE217416	7	86,731,407	86,940,797	NM_000927	Hs.21330	ABCB1	7	474.08	04	B	20.59	Dorroch et al. 2001			
ABCG2	AW657307	4	89,405,620	89,472,791	BE672952	Hs.194720	ABCG2	4	457.36	06	B	11.64	GTACTGGCGAAGAA1TCTG	TCAGGTAGGCAATTGTAAGG		
ABR	AW289314	17	962,865	963,231						19	A	88.93	TCTGTGGTTCACTCTCAGGGA	CTCAGGTGAATCTGTGCGGAT	60	
ACADVL	U30817	17	7,065,960	7,071,394	D43682	Hs.82208	ACADVL	17	53.53	19	B	32.20	CAGCAGGAGGCTTCTGTA	CCCTTCAAGGTAGACCAAGAT	60	
ACF7	AW289374	1	39,010,656	39,416,192	AW952043	Hs.108258	ACF7	1	119.03	03	B	93.61	ATTACAGGCTTACCAGGAGCA	CCAAGCCTCTCCCACTTTGAA	60	
ACLY	AW461420	17	39,931,942	39,984,054	AA807825	Hs.174140	ACLY	17	306.23	19	C	90.24	CCTTAGGCCATTGTACAGAG	GACACAGACATTTACAGC	56	
ACQ2	Z49931	22	40,108,170	40,168,016	BC014092	Hs.300463	ACQ2	22	126.67	05	A	435.99	GCAGTTCGGTGTACCCAGA	TTCATGAAGCTGCTCAAGAT	54	
ACOX3	AW425166	4	8,488,791	8,563,208	AU141142	Hs.12773	ACOX3	4	57.59	06	C	370.02	GGAGAAGTACCAGGAGCTGAAC	GCACATGCAGGAAGAAGCT	60	
ACP5	BF440357	19	11,530,691	11,530,876						07	A	172.88	CAGTGACAGAAAGATGCCTGAT	AGGGCAGATGAGGAACCTGTGA		
ACR	X68212	22	49,309,053	49,316,132	BI831427	Hs.183088	ACR			05	A	493.58	GCTCATAGAGGTTCTTGAAGG	GATCAGGAGGAGGCATGTG	60	
ACTA2 (3)	AW461522	10	90,826,190	90,830,609	BF570237	Hs.195851	ACTA2	10	421.65	18	B	37.34			60	
ACTA2 (5)	AW289311	10	90,826,407	90,882,312	AW514773	Hs.195851	ACTA2	10	421.65	26	A	92.97	GTCAGAGCTTGGGCTAGGAA	CTCCATCCTGGCCTCTTTGT	60	
ACTR1A	AW345155	10	104,370,213	104,393,688	BE348340	Hs.153961	ACTR1A	10	488.42	26	A	185.84	CTACCCCATGACACCAACTT	CACATCGCTTTCACACACTT	60	
ACTR3	AW289253	2	114,554,351	114,622,979	A1037940	Hs.349274		2	416.97	02	C	12.67	AGTCAGCTCACTAACCACCTGT	CCTGCTAGTGGTCTGTATTAC		
ACVR1	AW326496	2	158,556,986	158,696,163	Z22534	Hs.150402	ACVR1	2	521.12	02	B	86.39	CCAGTACACAGTTTGGTGTATCAC	GTGAGCAATGGCCGGTTT	60	
ACVR2B	U57707	3	38,332,027	38,338,177	X77533	Hs.23994	ACVR2B			22	A	95.46	GCACTACCTCGGACTGTCTTGT	GTCTGGAGATCCCACTCGTGT		
ADAM10	Z21961	15	56,466,543	56,621,315	AF009615	Hs.172028	ADAM10	15	198.10	10	A	300.30	GGGCAATGTGCGAGTTCTATCT	TACTGGCACAAGTTGATGGCTC	56	
ADAMTS1	AW428596	21	27,130,945	27,131,292	D59927	Hs.306117	IMP2	3	347.41	01	A	34.16	CGACACAAGAGAGGAAGATGG	CATCATCTTACCCTGCTGATG	53	
ADCY1	M25579	7	45,320,519	45,460,582	L05500	Hs.259768	ADCY1			04	D	5.80	ACATTTCTCCAGGCCATAGGCT	TGATCCATCTCAGGGCACAAGG	50	
ADCY2	AW655454	5	7,429,083	7,462,932	AU148589	Hs.2352	ADCY2	5	1.14	20	C	25.80	CGAATAAACTAGGGGAG	CGTAAGAATAATTCTGG	62	
ADCY7	Z49806	16	50,059,082	50,088,524	D25538	Hs.172199	ADCY7			18	A	165.18	TGGCAGAGCCTTGGCTTAAATC	TTGTTTGTGAGAGGCTGGCTT	56	
ADCYAP1	U78859	18	895,387	901,054	NM_001117	Hs.68137	ADCYAP1	18	14.82	24	A	106.50	GGCATCTTTCATGACAGCTACA	CGTATACACAGGATAGCTGGCA	60	
ADFP	AW266968	9	19,105,766	19,105,799	BI834126	Hs.3416	ADFP	9	64.22	16	D	176.93	AGAATGCATGTGAGACAAC	CTGTGCTGTCTGTCTGTACTG		
ADM	AJ001613	11	10,365,786	10,368,097	BG829695	Hs.394	ADM	11	48.78	15	C	60.13	GGCTTGGGTGCGACTCTAT	CCGAGCCCTAAATCTCGA	60	
ADPRTL1	AW462359	13	23,930,660	23,930,736						12	A	117.40	AAAGCAGTGTACGTCACAGG	CCATCCGCTTACACTCCAAC	60	
AF016589	AF016589	12	40,589,623	40,681,379						05	A	215.79	ATCTTGACTGTCTGATGGTGG	CTGGTCTGTTACAGCAGGAAG	56	
AF068886	AF068886									23	A	317.35	GCAGTGTGCTCCGATCTCTT	TCATGGAGCCAGAGAGGTGA	62	
AF093796	AF093796									05	A	170.71				
AF368419	AF368419	4	155,066,311	155,093,591						17	A	25.88	GACTTCTCCCATTTCCGTCT	TCATTATCTTCGCGAGCTTA	53	
AF5	AF5									25	B	77.20	Barendse et al. 1997			
AGER	M91212	6	32,174,752	32,178,007	U89336	Hs.81737	PPT2	6	119.82	23	A	351.79	CGGAAGTGAACACGACGAGGA	GTGGGAGGCTCTGGTTGTGGAA	60	
AGL	AW289320	1	99,680,185	99,680,761						03	A	142.09	GCAGGTGAAGACGATACAGAAA	AATGGTTCTGTGCCCTGATT		
AGLA254	AGLA254									05	A	303.41	Kappes et al. 1997			
AGTR1	X62294	3	149,697,209	149,742,427	X65699	Hs.89472	AGTR1	3	542.39	02	B	66.28	CCAACACCAAGCTTCTGAATC	GTACACCCACCACAACATCCA	48	
AHCY	BE217542	20	33,491,421	33,568,284	A1051370	Hs.172673	AHCY	20	197.65	13	A	200.89	Dorroch et al. 2001			
AHSG	X16577	3	187,732,845	187,741,132	AL531529	Hs.324746	AHSG	3	699.09	01	C	28.38	GTCCCAACTTCTCATCTTCCA	GGCAAGAGCACCTTCAAAGTC	60	
AJ014770	AW266857	12	54,341,477	54,341,794	A1014770	Hs.350401				05	A	97.82	GGGAACCCATACAGAGATAGA	GGATAAGTACTTCTCTCTGTG	52	
AJ041060	BE217453	15	40,613,338	40,613,572	A1041060	Hs.350018		15	155.57	10	A	191.76	Dorroch et al. 2001			
AJ350766	AW336548	3	21,309,788	21,309,938	A1350766	Hs.26303		3	74.84	27	B	72.34	GGTCTGTCTGTATCCTGTGTGA	TAGAGGCGTGAATGCTGTG	60	
AJ565194	AW289230	3	56,978,865	56,979,805	A1565194	Hs.284192				22	B	0.00	GATGCAGAGATGCTAGGGTACA	ATAGTGAGCACTGACCCAGTA		
AJ589252	AW425782	1	241,073,405	241,073,844	A1589252	Hs.12314		1	755.25	16	C	87.26	CTGTGTGCTGCTTATGCGT	AGGGCTACAATGGCAGATGA	60	
AJ652423	AW261150	19	1,921,063	1,921,309	A1652423	Hs.181390	CSNK1G2	9	26.77	07	A	220.59	TTCTTTGGGTTCCAGGAAGCAT	AGACAAGCGCCTTAAAGCCGCT	56	
AIBP63	AW267134	11	18,339,499	18,339,775						29	A	171.54	TGCCGTGTAGTCTACAGAAAC	TAAGGACCATGATACAGCCAGG		
AIM1L	AW289302	1	25,881,697	25,882,018	A1950844	Hs.278359	AIM1L	1	87.01	02	E	122.24	AAACATGTCTCCAGGAGGAG	CATCAGTGAGTTGGGCTACATC	60	
AKAP7	AW315844	6	131,401,591	131,539,803	AW300381	Hs.12835	AKAP7	6	523.72	09	B	13.07	CGAGTCACTGCTTAAAGAATG	CATGGGCTAGCTTATCTTCA	60	
AKAP9	AW425806	7	91,168,419	91,338,216	AW008478	Hs.58103	AKAP9			04	A	13.12	CACAGCTCTGTTTATGATCAT	TCTGTAAAGCATCTATCTGCT	60	
AKIP	AW632181	1	1,185,659	1,187,424	A1219071	Hs.76239	FLJ20608	1	5.06	16	D	239.92	ACTGTGTCTCTCAGCCCACT	GACCAGTCTGCGGTACTTGT	60	
AKNA	BF440396	9	110,552,143	110,552,371	A1351078	Hs.167013	DNM2	19								

ARF1		J03275	1	224,655,903	224,672,451	AL542436	Hs.74571	ARF1				03	A	58.50	CTGAAAGCAGTAAGAGGTTCCA	GCCAGATTTGCCATTGAAGA		
ARHF		AW652620	12	121,984,871	122,001,467	B1551797	Hs.96593	ARHF	12	470.77	17	C	45.54	ACGGGGCGGAAGGAGCTGAAG	TCGAACACGGATGGGGGCGTAG		62	
ARHGAP15		AW656747	2	143,909,211	144,548,249	B1824442	Hs.177812	BM046	2	494.84	02	B	0.00	TGAATCCCAACCCGCCAAGG	AGGTTTCAGTGACCTTCCCACTTCG		58	
ARHGAP5		AW315952	14	30,616,583	30,617,047	BE301781	Hs.267831	ARHGAP5	14	57.11	21	B	95.71	TTTCAATATTGTACTTAACAC	AATATTAGAGGGAGAAAG		48	
ARHGEF4		AW415510	2	131,696,662	131,827,274	AB042199	Hs.6066	ARHGEF4	2	480.55	02	A	79.21	CTCCCTGGATGGCTTCTTG	CTCCGTTTCCGTTTCAATTG		60	
ARHH		AW289213	4	40,029,232	40,080,498	BE244910	Hs.109918	ARHH	4	195.99	06	C	36.96	ATATGTCAGAGCCCTGTAAGGT	CTACAGTTGTGTATGGGCACTG			
ARLBIP (3)		AW267159	16	18,721,728	18,740,295	A1372493	Hs.75249	ARLBIP			25	A	63.36	GTGTCTGGTATGCTGGTTGGAT	CCATATAAGGCCAGCTGCTAAG			
ARLBIP (5)		AW289251	16	18,734,989	18,735,423						25	A	95.14	TCCGCTAGTCCCTGTCTTGTGA	AAGAACTGTCCGATAGCCAC			
ARL7		AW311712	2	235,417,966	235,421,969	BF820994	Hs.111554	ARL7	2	731.08	03	B	105.52	CCCAAGTTGGAAGGCTCAGATA	TCAGGTAGCTCAGAGGTGGCAT		60	
ARPC2 (3)		AW267064	2	219,045,864	219,083,092	A1184556	Hs.350292				02	E	55.66	CCTGCAACTCATTAACAGTAAC	TTCTTTATCTTCCCTCCCTC		56	
ARPC2 (5)		AW289209	2	219,069,062	219,069,841						02	E	55.55	GTCTCATAAGAAACAGCCAGG	GATTTCTGGTGTGGTTGGACTC			
ARPP-19		AW286627	15	50,418,381	50,440,502	BE782392	Hs.7351	ARPP-19	15	178.75	10	A	316.70	CCACCTATCAGCTAAATTGCTC	GTATTTCAGAAGATTGGCCACG		56	
ARRB2		AF051456	17	4,564,593	4,575,603	AA286847	Hs.18142	ARRB2	17	42.15	19	B	30.80	CCCTTCAAGCTTTGACTCTCTG	CAGCTCATTAAGCTTAAGCTCTC		64	
ARSB		AW660499				NM 000046	Hs.1256	ARSB	5	373.61	10	A	12.56	GCTTGTTTAGAATGTTTCAAC	CAAAATCTCGGCTGTGTG		60	
ARVCF		AW002371	22	18,331,975	18,378,863	AW002371	Hs.171900	ARVCF			17	C	139.77	AACATACCTCTCCGACTCCT	AGCACTCGGGTCTGTCTCTCA			
ASAH1		AW461677	8	17,723,238	17,751,798	BE890841	Hs.75811	ASAH	8	70.47	27	A	97.21	GCACGGTAGATGGTATGTGGTA	TCTGGTTCAGACACATCTTCGC		60	
ASMTL		AW656774	X	1,127,610	1,152,380	BG824590	Hs.6315	ASMTL	X	13.77	X	D	43.80	CCAAAGATGGTCAGCTGGACAC	TCCCACGACATCTCTCTTGACA		60	
ATBF1		AW485963	16	72,556,459	72,828,038	BE265432	Hs.101842	ATBF1	16	432.77	18	B	45.98	ACCACCTGCACCACAGCTC	GTTCCTCTTCCCTTTTGTG		60	
ATC		AW289249	2	216,140,711	216,178,501	BG179152	Hs.90280	ATC	2	675.03	02	E	61.43	AAGAGCCGGAGATTCTGATGAG	TTCCGGGACAATGTAGACAGAG		60	
ATP2A3		AW289347	17	3,777,978	3,818,545	B1000643	Hs.5541	ATP2A3	17	39.61	19	B	18.60	ATTTCAAGTTCAGAGGTGGGTA	TCAAGACCCATGTCCCATCTA		56	
ATP2B4		M83364	1	199,956,561	200,070,251	M83363	Hs.343522	ATP2B4	1	673.98	16	A	11.20	CAGGCAAGTGATGAGTGGTGA	AAGGAAGACGGCAGTCACGAAG		50	
ATP2C1		U83002	3	131,894,446	132,017,167	AA377492	Hs.106778	ATP2C1	3	461.43	01	C	97.75	Ma et al., 1998				
ATP51		AW482312	4	657,092	657,757	BF030022	Hs.85539	ATP51	4	15.63	04	E	28.80	TGCAGGGCTCTCCGCTCATC	TGGTATCCTCTTGGGCTTCC		60	
ATP50		M18753	21	34,196,153	34,224,306	BF698581	Hs.76572	ATP50			01	A	18.03	AAGATTTCAGAAAGTGTGATG	GCCCTGTTCAGGAAGTGTTTAT		60	
ATP6V0D1		J04204	16	67,207,390	67,250,563	BC008861	Hs.106876	ATP6D	16	405.44	18	B	9.40	CCGGGGCCAAAGTTGCACACTAC	GGCAGAGCTACTCCATTTCCCA		60	
ATP6V1A1		AW267133	3	114,747,137	114,812,130	BG675038	Hs.281866	ATP6A1	3	410.32	01	C	0.00	TGGGAAATCTTTGCAGCCAGTG	TCTAAGGACAGTTGGGCTTTG		64	
ATP6V1F		AW267076	7	128,043,037	128,046,062	A1023127	Hs.78089	ATP6S14			04	E	26.38	GAAAGGCGAGTGGAGGAAGAG	GTCCAAGGACGACCCGTATGAT		60	
ATP6V1G1		S82464	9	110,803,687	110,814,313	BF978906	Hs.90336	ATP6J			08	E	8.60	GAACGCCCTTCATGGAAACATG	GGCTGGCTGTGTGTTTAAACATG		64	
ATRX		AW289378	X	74,802,450	75,082,961	B1915774	Hs.96264	ATRX	X	245.59	X	C	61.55	GGAAGAGCATAGAAGCCAGTGA	GGATGACGTGTGGTTGTATGAC			
AU151351		AW481929	16	48,313,646	48,313,867	AU151351	Hs.323712	KIAA0615	16	333.03	18	A	155.44	TTCTGCCCTTTTTCAGAACTGTT	CCATTTGTCAATATTTTCAGATT		58	
AUP1		AW632130	2	74,711,488	74,714,596	AL557490	Hs.173736	AUP1	2	232.60	11	A	86.17	GCAGGCTTCGTGGTGCGGACC	CTATGTTGTGGTGCAGAAAGTGTACAG		62	
AUTS2		BE217523	7	69,561,868	69,656,169	W61304	Hs.32168	KIAA0442	7	409.66	25	A	167.11	Dorrough et al. 2001				
AV742111		AW289368	10	22,974,141	22,974,461	AV742111	Hs.57079		10	133.58	13	A	27.62	TTTGTAAAGCCCGGCTCGTA	CCTTTGTGGCCCATCTGTGTAT		56	
AVPR2		X83741	X	150,756,755	150,757,875	AF101728	Hs.2524	AVPR2	X	350.95	07	A	79.38	CAAGAAGAGTCATGCCCCACAG	TAGAAGGAAAGTAGGCCCCACC			
AW244888		AW244888									18	A	155.91	TCAGCTTCAGAACAGTGAAGTGC	CCCTGTGATAACAGCCAGGAAGA		56	
AW261132		AW261132									07	A	24.23	GGTCACACTTTAATAGCCACTC	TTGCTGTGTGTAAGTCCGCTG			
AW261158		AW261158									05	A	142.50	CAAAGTGACTTCACATCCCTTC	TAAAGACTCTGGACAGGAGAC		56	
AW261160		AW261160									21	B	68.27	BCGAAGAGGTAGGTGAGACAG	ACCTCCATTGCTCGCTGAGTCC		60	
AW261173		AW261173									25	A	41.05	CCTTGTCTTCTGCTGTGTCC	TGTCCCTCAATAAAGAGTTGG			
AW261176		AW261176									04	A	0.00	CCAGTGCAGGGTTTCTGGGAG	TAAACATGAGACCGCTAACCTTG			
AW266851		AW266851									19	C	261.46	CCGTCTTTATTAACATCCCTG	AGTGGTCACCTGCAAGGTCCT		55	
AW266880		AW266880	6	43,739,646	43,739,770						23	A	260.96	GAGATCACTTCGGATTTCGGAACA	AAACAGGTCACTCACTTTGCC			
AW266897		AW266897									07	C	113.92	TACACCAATGTTTCCAGACTGC	TCTTGTCTTTCCCTGGGAAACC			
AW266911		AW266911									16	D	50.43	CACAGCCCCCTGCTAACAGTGA	CAAAGCAAGGAGAGGGCCGTTT		56	
AW266921		AW266921									07	A	57.94	GACTCTACAAGGTGGTATCAGTG	TCTTTCTCTACCTTGGTGATGC		60	
AW266938		AW266938									29	A	440.64	CCTATTGGCCTCGTATTCTGT	AACATTGTCTCCCTGGTCTG			
AW266962		AW266962									05	A	417.93	GACCATGTTTGGATTGACTGAC	CCAGGTGGGAAATGTTGTGAGC		56	
AW266981		AW266981									16	D	233.93	CAAACCTTCACACGCAATGAAGC	GCTTTCAGCGGCCAAATGTAC			
AW267020		AW267020	1	203,114,629	203,114,938						16	A	82.50	CCACACTACTAGCTGTTTCTC	TTAGCATCTCCGCTCTGAAAG		60	
AW267030		AW267030									19	C	21.20	GTATGTCCTAAGCCAGCCTAGT	CATTGAATGAACCTGTCTCTTG		60	
AW267050		AW267050									29	A	54.14					
AW267062		AW267062	1	61,502,533	61,502,611						03	B	23.31	ACCTAAGTCAAGCTTAAGCATC	CCAGAAGTACCTCTTTTACCAG		64	
AW267067		AW267067									26	A	249.27	ATCCCAAGTAACTTTGCTCCT	CTAAGTACAAGCACTACTTGGT		60	
AW267088		AW267088									13	A	39.35	TTCGCTAAGAATCCAGGGCAG	GGAGGACATGATAACCCACACC		64	
AW267101		AW267101									18	B	59.17	TATATAGGCTTCAATTGAGATCC	ATAGTTATGAGGCGCTGTGCT		62	
AW267103		AW267103									23	A	424.41	CTCTGGTAACTACTTACATC	AATGAACTTGGCAGTACACATC			
AW267109		AW267109									01	A	4.56	ATGAAAGTCTTCTGTGCCATGC	TCAGTATTGCCACATGACATGC		60	
AW289190		AW289190	6	111,865,228	111,865,923						09	A	183.12	GAAGTCTGATCAACTCTGTAGG	CACTCTGTAAGACTGGTGTGAA			
AW289193		AW289193	2	70,465,664	70,466,012						11	B	0.00	GGTGCAACAACTCCAGTAAG	GTAGGCTACCAAGATCCACA		50	
AW289195		AW289195	X	108,274,887	108,275,019						X	C	13.47	GGAGTGAAGAACAGATGTCTG	GCCACTTACTGTATCCATCCCT			
AW289197		AW289197									29	A	242.15	CTGCTGCACAAGTACTAGACA	GAGACCAGCAGCTTCTACTTTT		56	
AW289204		AW289204									10	A	276.69	CTCTTTGGACATGTCTCACTA	GGCACCATTAAAGACTATGACT		50	
AW289205		AW289205	19	10,217,785	10,217,861						07	A	130.68	GCTGTGTTTACAGGCTTCTT	TCCCTAACTTCTGGTGGTCC			
AW289210		AW289210									22	A	10.00	TAAAGCTCGGTACAGGGGTGA	CCTTCCATGTGGCTCAGTCTTG			
AW289246		AW289246									20	A	80.40	AGCTCATGGCATTATGGTGGGA	TAGATCATGCTGGGCGACAA		56	
AW289258		AW289258									05	A	125.64	TGGCAGTGTCTGAGGAAGAAGA	TGGAGGGAGTGATTAGTTGGGA		56	
AW289264		AW289264									02	D	28.45	AACTCTCCCTCTTAACCTCCA	ACACGACTGAAGTGATGTAGCA			
AW289267		AW289267									18	C	79.28	ATACTCCACATCGAGCCCTTC	GGAAACTATCGAGGCCATGTTG		60	
AW289270		AW289270									02	E	40.68	GGTTGGTACTTTGTGAGGTT	CCTCTCTGGGTAGAAGTTA		60	
AW289271		AW289271	6	109,004,588	109,004,749						09	A	242.95	GGCAGCTTCTGAACCTGTTA	AGTTCGGACCTGTTCAGGATT			
AW289272		AW289272									22	C	20.72	TCTGGCCTACCACCTGAATTGTC	CTGAGATAAGCACGGTCCAGT			
AW289274		AW289274	20	56,592,170	56,592,363						13	A	131.51	ATGACAGTGGACTTTGGTTCT	CTGTGTGACTGGAACATGGTTCT			
AW289278		AW289278	12	7,145,555	7,145,756						05	A	390.19	GGATCAAGAATCAGAGACGGGA	TGTGTCACTGATGAGGGAAGCA		60	
AW289279		AW289279									03	A	9.35	CTCCAGTCAAGGTTTCTAGGTT	CCTCGGTCCGAGAGCTGTTAATA			
AW289300		AW289300									07	A	112.64	TGAGAGAAACATGGCAGACACC	CCTGAAAGTTCCACGTAATCC			
AW289301		AW289301									10	A	288.45	GAGGAAGGAGTCTTTGGATCT	GTCTTGTGGGAGTGTCTCTCT		60	
AW289386		AW289386									05	A	359.12	CCAAAGGAGGACTAAGACCAGA	GGCCACCACTTACATACCTTCA			
AW289387		AW289387									16	D	62.62	AGGTGTCTAAAGCTGGAAGGAAC	GTCTTTTGGTCTCTGGTATC			
AW356124		AW356124	2	188,294,271	188,294,465						02	A	0.00	GTTTCATCTAAGTCCAGCTCT	GAGGATAGGGTGAAGTTAAG		60	
AW428569		AW428569									12	A	114.88	GTTCCCGAGTGTCTTCTCATCT	AAACGGAGGTGCCCAAGGTCAA		62	
AW428572		AW428572									19	E	67.40	GAGACCAGAACTCATTAAGTGT	CCCTTCTCCTTAGCAGCTGTGT		60	
AW428574		AW428574									05	A	3					

AW461574	AW461574																	18	D	34.68	AGTTAAAGACGACGCGTGGT	AGTGAGGCCCTGGGAGGAG	60			
AW461591	AW461591																	14	A	16.59	TGGCAGGAGGAACAGACAG	CATGGACAAACAGACCGATG	60			
AW461592	AW461592																	16	C	81.93	ACTTTCACGTGTGCGTTTCC	TTCGACATTITAAAGCACCC	60			
AW461600	AW461600																	11	A	310.92	ACCTGATCCAGATGGTGAGG	CTTTGCTCAGCTGAGGCTG	60			
AW461983	AW461983																	12	D	44.84	GTCACACGATGCTCTACGTTCT	TGGAACCTTAGCGCTTTCTGC	60			
AW463012	AW463012																	06	C	189.25	AGCCAGTCAGGATATCTGTACC	TACTTCCCAGCCACCATCAT	60			
AW464517	AW464517																	02	D	0.00	CAATCACAGGTGTAGATGTCAG	CTCGAATCACTGCTTTCCAG	60			
AW465254	AW465254																	29	A	81.37	ACAGCAAGTGGCAGAGGATA	AGTAGACAGAGCCTCCCAT	60			
AW465621	AW465621	15	39,157,359	39,157,439														29	A	385.94			60			
AW466165	AW466165																	16	D	134.91	CTTCCAGAGGGTTTGCTAGT	CTCCAACGCTTCTAGGTAAGG	60			
AW483590	AW483590																	24	A	85.25	CTTGGAAAGAAGCGCTCATCA	TAGGGCCCTCCAGAAATAAG	60			
AW589574	AW289298	17	27,436,415	27,436,962	AW589574	Hs.350362												19	A	85.28	GGAAGAGCCAAATAACTTGA	GCTGTTCTGTAGTGGGAAATG	60			
AW594434	AW266887	6	56,893,276	56,893,536	AW594434	Hs.311163												23	A	29.30	AAACTGGTCGGTATGGCAAAGG	AGGGAGATGGGTGAAATGGAAG	60			
AW618167	AW618167																	21	B	22.55			56			
AW618168	AW618168																	21	B	28.32			62			
AW629743	AW359255	4	41,811,834	41,812,148	AW629743	Hs.348514												06	C	72.24	CTCTTCAGGCCAACTACTATC	TCTGAGCCCTACATTAGCAT	60			
AXL	AW415734	19	46,400,872	46,443,720	BG170497	Hs.83341												18	C	50.59	AATGATGGTCAGTGACAGAGTC	GACCTTAGAACCTCCACTCT	55			
AXUD1	AW345830	3	38,996,582	39,009,288	B1911705	Hs.6607												19	A	142.29	GATACCAGCACTTGCTTCCT	GGTGGTGCTCTCAACAACT	60			
AZU1	AW427345	19	765,097	772,017	NM_001700	Hs.72885												19	A	214.93	TGGACATAGTGGGAGGCAGGAA	TGCGCCGTGTCAAGACAAAGTT	60			
B2M	AW289175	15	42,582,853	42,589,480	AW580554	Hs.75415												15	A	465.68	TGCTATGTCTGGATCCCACGTG	TCAACATCTGGGTGCTTCTGCG	60			
B3GALT2	AW357032	1	189,614,833	189,622,181	Y15060	Hs.181353												16	B	36.65	TGGACACCCAAATGCTTACC	GTTCGCGACCGATTAGTAGT	60			
B4GALT1	271853	9	33,094,081	33,157,355	AI421488	Hs.198248												08	C	30.49	CACAGCATATAGTCTCTAGGA	TGTTGCTGTGACCCTCTAA	56			
B4GALT5 (3)	AW289182	20	48,912,227	48,912,649														13	A	291.77	AAGTCGCTTGATCTGGGTGT	GATCATCTGTATTGGCAGT	60			
B4GALT5 (5)	AW289181	20	48,887,904	48,968,760	AA379017	Hs.107526												13	A	275.19	AAGTTACCCAACTTCCAGCC	GGCAGAAAGCTAACAACACC	50			
BAIAP1	AW484349	3	65,196,960	65,462,672	AI335180	Hs.21610												3		191.22	22	A	208.40	TAGCTGTGAGGAATGTGACATG	GCACACCGCAAGAAATGAATGAAG	56
BAK1	AW267056	6	33,541,745	33,549,453	BG180823	Hs.93213												23	A	136.49	CCTCCCTGCATTGGTTTAATC	AAACCTGCCTGAGCCCTTCCTG	64			
BAX	U92569	19	54,134,207	54,140,914	BG706729	Hs.79516												18	C	130.34	TTTCATCCAGGATCGAGCAG	ATTCACTCCGATCGCGTTC	64			
BAZ1B	BE217474	7	72,253,028	72,334,910	BF818908	Hs.194688												25	B	0.00	Dorroch et al. 2001					
BAZ2B	AW654685	2	160,139,516	160,437,104	AK000676	Hs.8383												02	B	51.45	AGTCTGAAGGTAATTATAGC	ATGGGAGGGAAATGTTTC	56			
BBX	AW428450	3	108,523,019	108,805,934	BF111635	Hs.35380												01	B	48.07	CCAGTGAAGCGCCCTTTAAT	ACCACATGGACTACTAGCATC	64			
BCAN	X75887	1	153,389,797	153,407,192	AF229053	Hs.8194												03	A	562.48	03	A	0.00	CCACGGGAAGTGACAGCATGAG	ACAGGATGGCTGGCAGGAGAG	60
BCAS3	AW487345	17	59,097,095	59,812,060	AI887771	Hs.6649												17	A	385.87	19	A	40.14	CTCCCTTCACTCATGGAA	TTTGACAGGGCCTCAGAAAC	60
BCCIP	AW345698	10	127,553,135	127,583,295	NM_016567	Hs.279862												10	A	549.43	26	A	64.61	GGAATTAAAGAAGTTACTACAG	TAATCACACTCCCGATAT	60
BCKDHA	AW347596	19	46,579,772	46,613,696	BE513982	Hs.78950												19	A	240.90	18	C	42.58	CAACAGCAGCACTTCTCGTC	GGTAGATGGGGATCCCAGAG	60
BCKDHB	AW446009	6	80,766,520	81,006,143	AI795940	Hs.1265												6		355.18	09	A	0.00	CTCAGGTTATGCTGATCCGA	CTGTATCCACATCCCAAGGTAG	60
BCL2A1	AW289296	15	77,829,162	77,839,712	BG198875	Hs.227817												15	B	264.64	21	B	40.10	GTGATGAACCTCGGCCAACAGA	TCCGTAGACACTCGCAGAACA	60
BE217403	BE217403																	03	A	138.21						
BE217406	BE217406																	03	B	89.41						
BE217407	BE217407																	03	B	81.29						
BE217408	BE217408																	03	A	138.21						
BE217417	BE217417																	09	A	45.15						
BE217419	BE217419																	11	C	87.77						
BE217420	BE217420																	25	A	9.11						
BE217426	BE217426																	15	C	72.21						
BE217437	BE217437																	17	C	127.16						
BE217442	BE217442																	24	A	101.36						
BE217443	BE217443																	23	A	202.91						
BE217455	BE217455																	01	C	126.70						
BE217456	BE217456																	13	A	203.72						
BE217457	BE217457	1	111,805,779	111,806,079														03	A	126.52						
BE217462	BE217462	7	107,192,991	107,193,133														04	B	47.01						
BE217463	BE217463	11	61,166,583	61,166,844														29	A	303.44						
BE217465	BE217465	11	61,166,587	61,166,844														29	A	395.95						
BE217469	BE217469	X	142,439,484	142,440,856														X	B	50.10						
BE217472	BE217472																	23	A	451.94						
BE217478	BE217478	9	69,225,272	69,225,389														08	B	88.73						
BE217487	BE217487																	04	E	0.00						
BE217493	BE217493																	02	D	9.73						
BE217497	BE217497																	19	C	18.87						
BE217498	BE217498																	03	A	138.21						
BE217499	BE217499																	X	C	170.82						
BE217508	BE217508																	13	A	61.64						
BE217519	BE217519																	16	B	0.00						
BE217521	BE217521	1	156,459,719	156,459,784														03	A	22.82						
BE217525	BE217525																	01	C	90.94						
BE217526	BE217526																	03	A	63.01						
BE217529	BE217529																	11	A	145.60						
BE217531	BE217531																	13	A	318.82						
BE217533	BE217533	19	62,447,726	62,448,009														18	D	22.15	CGCCCTTCTTCTCTCACAG	TGGAAAAACAGACCCCTATT	50			
BE217534	BE217534																	X	B	131.45						
BE217536	BE217536																	03	B	55.91						
BE217538	BE217538	11	39,651,002	39,651,376														15	C	170.02						
BE217547	BE217547																	08	B	98.29						
BE217549	BE217549																	05	A	384.25						
BE217553	BE217553	1	156,458,961	156,459,119														03	A	29.85						
BE217558	BE217558																	29	A	0.00						
BE217559	BE217559	6	53,135,623	53,135,692														23	A	329.67						

BF224257	AW479050	11	16,028,087	16,028,569	BF224257	Hs.196008		11	67.00	15	C	0.00	GTCCATGGCAACACGAAA	ACGGAGAATGCACACGAG	60
BF440293	BF440293	10	33,857,582	33,857,894						13	A	17.67			
BF440376	BF440376	9	86,959,514	86,959,960						08	D	60.89			
BF440431	BF440431	5	108,557,932	108,558,257						07	C	104.60			
BF440472	BF440472									03	B	160.69			
BF440567	BF440567	6	150,338,918	150,339,063						09	B	50.73			
BF440598	BF440598	7	65,849,785	71,706,507						25	A	148.24			
BF965970	AW314850	5	132,242,576	132,242,843	BF965970	Hs.11637		5	502.16	07	A	208.43	GGCAGATCATTGACATGAGC	CACATCTGGTCCTCAAAGGT	60
BFSP1	X72388	20	17,422,551	17,487,605	NM_001195	Hs.129702	BFSP1			13	A	51.32	AAGAACTGGGAGAGAGAAGGGAT	CCAAAGAACCTTGTACCCCTTGT	62
BG393746	AW428582	1	193,593,332	193,593,942	BG393746	Hs.331980				16	D	182.47	GCTGGGCCAGACTTACAGTTT	AGTGGAGCTGCTCGAAGGATTA	56
BGN	AW487443	X	150,346,142	150,360,707	BM007906	Hs.821	BGN	X	356.19	X	B	172.49	TTGTGGCTTGGTAAGGGTCTCT	GTCTGAATCCAAGGGACATGTG	56
BI550285	AW632320	12	70,543,137	70,543,513	BI550285	Hs.17802		12	274.81	05	A	201.63	CAGTGCCTTGACTTCAATCC	CATCTCCACAACGTAATGC	50
BLCD2	AW289231	9	88,772,784	88,826,217	BF970193	Hs.330988	KIAA0699	9	305.44	08	D	33.65	TGTCATATGTCTGTGTCCCA	CTGTGCATTACCTTAGTGTGC	56
BIG1	AF023451	8	67,833,094	67,979,097	AF111162	Hs.94631	BIG1			14	C	9.43	TTTGTGTGCGTTTACATCCCTC	TTTCACTTCCATACCTGCCAGA	64
BIN1	AW314110	2	127,710,541	127,769,802	Z19931	Hs.193163	BIN1			02	A	57.98	CAGGAGGTGTCTCCCAAAGATGAGG	AAGCGTGGTGGCTCGGTGG	62
BL1029	BL1029									14	D	9.38	Kappes et al. 1997		
BL1036	BL1036									14	F	22.35	Kappes et al. 1997		
BL1043	BL1043									07	C	97.13	Kappes et al. 1997		
BL23	BL23									05	A	96.33	Kappes et al. 1997		
BL37	BL37									05	A	215.79	Kappes et al. 1997		
BL4	BL4									05	A	209.36	Kappes et al. 1997		
BL41	BL41									03	A	96.71	Kappes et al. 1997		
BL42	BL42									13	A	123.39	Kappes et al. 1997		
BLP2	AW426432	15	99,766,161	99,785,313	BI196040	Hs.288912	FLJ22604	15	355.38	21	B	10.61	GCCTGTGACTGCAGCTAAAT	CTGGGAATATGGACGCTGAT	60
BLVRB	L35045	19	45,629,750	45,647,774	BE614999	Hs.76289	BLVRB	19	237.05	18	C	31.60	CCATGTGTATGAATAGGGCTCT	GCTCTTGGCTCTAGGTTTATTG	57
BM033	AW289234	6	157,546,088	157,546,162	AW449283	Hs.173259	BM033	6	611.71	09	B	61.92	TGAAAGGTGGGTGAAGAGTT	TTCTCTGGACTATCTTACCCTG	56
BM121	BM121									16	B	57.34	Kappes et al. 1997		
BM1223	BM1223									02	E	3.87	Kappes et al. 1997		
BM1225	BM1225									20	A	17.98	Kappes et al. 1997		
BM1227	BM1227									09	A	68.98	Kappes et al. 1997		
BM1233	BM1233									17	C	103.51	Kappes et al. 1997		
BM1237	BM1237									10	A	68.52	Kappes et al. 1997		
BM1258	BM1258									23	A	256.37	Kappes et al. 1997		
BM1311	BM1311									16	B	66.66	Kappes et al. 1997		
BM1329	BM1329									06	A	40.89	Kappes et al. 1997		
BM143	BM143									06	B	51.40	Kappes et al. 1997		
BM1508	BM1508									14	A	54.28	Kappes et al. 1997		
BM1815	BM1815									23	A	248.97	Kappes et al. 1997		
BM1818	BM1818									23	A	456.64	Kappes et al. 1997		
BM1819	BM1819									05	A	337.76	Kappes et al. 1997		
BM1853	BM1853									07	B	109.70	Kappes et al. 1997		
BM1857	BM1857									27	B	43.74	Kappes et al. 1997		
BM1864	BM1864									08	A	0.00	Kappes et al. 1997		
BM1905	BM1905									23	A	455.38	Kappes et al. 1997		
BM203	BM203									27	B	65.13	Kappes et al. 1997		53
BM2078	BM2078									18	D	29.30	Kappes et al. 1997		
BM226	BM226									24	A	7.54	Kappes et al. 1997		
BM2320	BM2320									06	C	360.37	Kappes et al. 1997		
BM2830	BM2830									05	A	413.45	Kappes et al. 1997		
BM2934	BM2934									14	E	20.37	Kappes et al. 1997		
BM302	BM302									14	C	22.22	Kappes et al. 1997		
BM315	BM315									05	A	366.35	Kappes et al. 1997		
BM3419	BM3419									08	A	104.33	Kappes et al. 1997		
BM3517	BM3517									20	A	2.48	Kappes et al. 1997		
BM3627	BM3627									02	A	60.48	Kappes et al. 1997		
BM4006	BM4006									08	B	37.33	Kappes et al. 1997		
BM4028	BM4028									12	C	6.40	Kappes et al. 1997		
BM4129	BM4129									03	A	125.16	Kappes et al. 1997		
BM4208	BM4208									09	B	46.32	Kappes et al. 1997		
BM4307	BM4307									01	B	6.04	Kappes et al. 1997		
BM4322	BM4322									06	C	11.34	Kappes et al. 1997		
BM4513	BM4513									14	E	17.54	Kappes et al. 1997		
BM4528	BM4528									06	C	84.75	Kappes et al. 1997		
BM4630	BM4630									14	B	61.54	Kappes et al. 1997		
BM47	BM47									23	A	132.39	Kappes et al. 1997		
BM5004	BM5004									20	C	0.00	Kappes et al. 1997		
BM6017	BM6017									X	A	10.92	Kappes et al. 1997		
BM6026	BM6026									05	A	29.95	Kappes et al. 1997		
BM6105	BM6105									07	A	112.32	Kappes et al. 1997		
BM6122	BM6122									12	A	0.00	Kappes et al. 1997		
BM6425	BM6425									14	F	45.75	Kappes et al. 1997		
BM6430	BM6430									16	A	80.50	Kappes et al. 1997		
BM6436	BM6436									09	B	33.70	Kappes et al. 1997		
BM6437	BM6437									04	C	44.26	Kappes et al. 1997		
BM6438	BM6438									01	A	26.15	Kappes et al. 1997		
BM6458	BM6458									04	D	25.00	Kappes et al. 1997		
BM6507	BM6507									18	D	23.49	Kappes et al. 1997		
BM7109	BM7109									18	B	42.86	Kappes et al. 1997		
BM711	BM711									08	D	61.63	Kappes et al. 1997		
BM713	BM713									20	A	75.46	Kappes et al. 1997		
BM716	BM716									11	A	11.71	Kappes et al. 1997		
BM719	BM719									16	D	77.63	Kappes et al. 1997		
BM7226	BM7226									26	A	19.97	Kappes et al. 1997		
BM723	BM723									03	A	100.59	Kappes et al. 1997		
BM733	BM733									05	A	417.93	Kappes et al. 1997		
BM737	BM737									25	A	107.10	Kappes et al. 1997		
BM804	BM804									26	A	322.01	Kappes et al. 1997		
BM8125	BM8125									17	C	33.46	Kappes et al. 1997		
BM8126	BM8126									05	A	481.11	Kappes et al. 1997		
BM8129	BM8129									08	D	0.00	Kappes et al. 1997		
BM8215	BM8215									14	B	78.60	Kappes et al. 1997		
BM8230	BM8230									05	A	362.95	Kappes et al. 1997		

BM848	BM848									15	C	211.33	Kappes et al. 1997			
BM860	BM860									12	A	143.06	Kappes et al. 1997			
BM9138	BM9138									17	B	24.72	Kappes et al. 1997			
BM9208	BM9208									X	B	0.00	Kappes et al. 1997			
BMC1009	BMC1009									05	A	148.49	Kappes et al. 1997			
BMC1013	BMC1013									19	E	0.00	Kappes et al. 1997			
BMC1222	BMC1222									13	A	0.00	Kappes et al. 1997			
BMC6004	BMC6004									29	A	414.75	Kappes et al. 1997			
BMC6021	BMC6021									X	C	171.22	Kappes et al. 1997			
BM1	AW289218	10	22,770,029	22,770,652	AI453064	Hs.431	BM1	10	134.13	01	C	33.23	TTCCATTGGGCTTCAAGCA	TGGAAACCCGTGTTGTGGATTAC		
BMP1	AW358555	8	21,843,334	21,890,406	AL537133	Hs.1274	BMP1	8	89.22	08	C	51.56	CTCTGTCTGGTGAAATTC	TCACTTTCTGCTGTGTAGAG	48	
BMP5	BE217473	6	55,621,652	55,621,858	AI247671	Hs.1104	BMP5	6	208.71	23	A	0.00	Dorroch et al. 2001			
BMS1095	BMS1095									05	A	0.00	Kappes et al. 1997			
BMS1117	BMS1117									21	A	0.00	Kappes et al. 1997			
BMS1242	BMS1242									06	B	57.06	Kappes et al. 1997			
BMS1248	BMS1248									05	A	359.81	Kappes et al. 1997			
BMS130	BMS130									25	A	0.00	Kappes et al. 1997			
BMS1315	BMS1315									05	A	132.78	Kappes et al. 1997			
BMS1331	BMS1331									07	C	0.00	Kappes et al. 1997			
BMS1348	BMS1348									16	B	26.01	Kappes et al. 1997			
BMS1353	BMS1353									25	A	191.96	Kappes et al. 1997			
BMS1385	BMS1385									27	A	73.00	Kappes et al. 1997			
BMS1522	BMS1522									09	A	167.58	Kappes et al. 1997			
BMS1561	BMS1561									21	B	232.44	Lien et al. 1999			
BMS1658	BMS1658									05	A	366.35	Kappes et al. 1997			
BMS1675	BMS1675									27	B	60.28	Kappes et al. 1997			
BMS1716	BMS1716									11	A	308.60	Kappes et al. 1997			
BMS1747	BMS1747									14	A	43.60	Kappes et al. 1997			
BMS1788	BMS1788									04	A	23.66	Kappes et al. 1997			
BMS1820	BMS1820									X	C	8.98	Kappes et al. 1997			
BMS1941	BMS1941									14	B	42.20	Kappes et al. 1997			
BMS2055	BMS2055									14	F	25.29	Kappes et al. 1997			
BMS2060	BMS2060									28	A	26.01	Kappes et al. 1997			
BMS2072	BMS2072									08	B	140.21	Kappes et al. 1997			
BMS2152	BMS2152									X	B	41.30	Kappes et al. 1997			
BMS2200	BMS2200									28	A	130.29	Kappes et al. 1997			
BMS2220	BMS2220									17	A	108.45	Kappes et al. 1997			
BMS2258	BMS2258									07	B	17.70	Kappes et al. 1997			
BMS2263	BMS2263									01	C	129.71	Kappes et al. 1997			
BMS2377	BMS2377									09	B	22.06	Kappes et al. 1997			
BMS2508	BMS2508									06	B	0.00	Kappes et al. 1997			
BMS2629	BMS2629									08	E	45.10	Kappes et al. 1997			
BMS2641	BMS2641									10	A	434.05	Kappes et al. 1997			
BMS2646	BMS2646									04	B	0.00	Kappes et al. 1997			
BMS2658	BMS2658									28	A	103.92	Kappes et al. 1997			
BMS2785	BMS2785									18	C	128.43	Kappes et al. 1997			
BMS2798	BMS2798									X	C	162.11	Kappes et al. 1997			
BMS2840	BMS2840									07	A	251.74	Kappes et al. 1997			
BMS2847	BMS2847									08	E	31.70	Kappes et al. 1997			
BMS397	BMS397									X	C	158.24	Kappes et al. 1997			
BMS4002	BMS4002									01	B	23.86	Kappes et al. 1997			
BMS4004	BMS4004									01	C	42.55	Kappes et al. 1997			
BMS4008	BMS4008									01	C	28.38	Kappes et al. 1997			
BMS4009	BMS4009									01	C	28.38	Kappes et al. 1997			
BMS4012	BMS4012									01	C	0.00	Kappes et al. 1997			
BMS4014	BMS4014									01	C	119.86	Kappes et al. 1997			
BMS4052	BMS4052									01	C	64.92	Kappes et al. 1997			
BMS431	BMS431									20	A	88.08	Kappes et al. 1997			
BMS47	BMS47									09	A	45.15	Kappes et al. 1997			
BMS500	BMS500									X	C	103.18	Kappes et al. 1997			
BMS518	BMS518									06	C	0.00	Kappes et al. 1997			
BMS522	BMS522									07	C	73.58	Kappes et al. 1997			
BMS597	BMS597									05	A	478.57	Kappes et al. 1997			
BMS610	BMS610									05	A	54.92	Kappes et al. 1997			
BMS631	BMS631									X	A	0.30	Kappes et al. 1997			
BMS648	BMS648									04	E	90.35	Kappes et al. 1997			
BMS678	BMS678									08	A	167.80	Kappes et al. 1997			
BMS689	BMS689									27	B	15.32	Kappes et al. 1997			
BMS739	BMS739									06	C	239.81	Kappes et al. 1997			
BMS772	BMS772									05	A	390.19	Kappes et al. 1997			
BMS817	BMS817									09	A	183.12	Kappes et al. 1997			
BMS836	BMS836									08	E	33.40	Kappes et al. 1997			
BMS868	BMS868									21	B	72.03	Kappes et al. 1997			
BMS903	BMS903									X	A	32.11	Kappes et al. 1997			
BMS927	BMS927									15	C	223.28	Kappes et al. 1997			
BMS929	BMS929									18	C	25.24	Kappes et al. 1997			
BMS963	BMS963									03	A	75.07	Kappes et al. 1997			
BMS975	BMS975									12	B	3.20	Kappes et al. 1997			
BMS980	BMS980									22	B	7.70	Kappes et al. 1997			
BMS995	BMS995									13	A	318.82	Kappes et al. 1997			
BP1	BP1									05	A	46.28	Kappes et al. 1997			
BP2	BP2									08	A	97.70	Kappes et al. 1997			
BP31	BP31									10	A	453.58	Kappes et al. 1997			
BP7	BP7									06	C	196.40	Kappes et al. 1997			
BPHL	AW461622	6	3,108,609	3,143,429	X81372	Hs.349227	BPHL	3	490.15	23	A	458.95	TGGATTAGGACAGTCTGTG	AAGGCTTCTCCAGTGATGT	60	
BR2936	BR2936									05	A	259.42	Kappes et al. 1997			
BR3510	BR3510									15	B	35.95	Kappes et al. 1997			
BR6303	BR6303									04	E	163.35	Kappes et al. 1997			
BRAP	AW428602	12	111,864,749	111,906,638	N94802	Hs.122764	BRAP	12	426.86	17	C	50.36	ACCCTCTGTGGCCCATATAAG	CGGCTACGTGTTAGGTTGTGA	60	
BRD4	AW428585	19	15,284,326	15,285,220						07	A	78.88	CATTACCCACTTCATCTCCCTC	GTACATTTCGGCTTTGCAC	56	
BS69	AW289201	10	170,643	289,196	AA127624	Hs.301449	BS69			13	A	65.85	GGAAATGTGCAACCGTGTCAC	TGGTCCAGACGACGTAAC TGAGAA	60	
BTF3	UB3067	5	72,832,964	72,840,160	BG290527	Hs.101025	BTF3	5	355.75	20	A	39.40	Ma et al., 1998			

BTG1		AF014008	12	92,469,851	92,472,621	A1073986	Hs.77054	BTG1			05	A	100.62	GTTTCTCCGACAGATGATACCT	CCACAGTTGAGACAGTGTCTTT	60
BTN1A1		Z93323	6	26,563,110	26,573,189	NM_001732	Hs.153058	BTN1A1			23	A	393.46			
C12orf22		AW261156	12	51,171,737	51,194,126	A137712	Hs.18879	C12orf22	12	224.35	05	A	147.97	CTACCTGTGTACAGTATGTGAG	TACCTGAGCTGGACAGACAGAA	56
C14orf138		AW485737	14	48,565,394	48,573,670	B1767189	Hs.13056	FLJ13920	14	110.46	10	A	254.87	TGGGTTGTGTGTGTGGGAC	GCAATTCTCTCAAGATCGGTG	60
C14orf94		AW430545	14	21,405,802	21,407,000	B1518276	Hs.8886	FLJ20424	14	16.72	10	A	127.25	AATGCCCCAGTACCTGGAGAT	CTTTCTCAGCGGTTGAAGTGTG	60
C19orf2		AW430025	19	35,090,600	35,182,665	A1805883	Hs.7943	RMP	19	180.67	18	B	49.48	TGTTCCAGCTGCCGATATGT	TGCCTTTAAAAAGGTAAGCA	58
C1QG		AW289232	1	22,116,106	22,120,582	A1993100	Hs.94953		1	81.09	02	E	164.27	TTTGTGTGCCTCTGCCTCTTC	ITTTCTCCGGCTTCTCGTCTCT	60
C1QR1		AV607571	20	23,007,995	23,014,977	BF114825	Hs.97199	C1QR	20	118.12	13	A	52.78	CTAGCTTAAGCCAAATATGCA	CAAGGGGGCAAGTGTTC	50
C20orf104		BF440198	20	35,056,445	35,206,720	AV713676	Hs.112594	DKFZP434F0272	20	207.61	13	A	190.12	AGAACAGTTCCTAGTCTCCAG	CCACTTCAGTGTCTTCCCTAA	60
C20orf108		AW267142	20	55,572,444	55,582,138	A1204204	Hs.326292	DKFZP434A1114	20	335.45	13	A	139.63	CGTTTCATGGAACCTAAGCTGC	GAGAAAGTCAAAAGATCAGGA	60
C20orf140		AW652840	20	366,688	367,193	AA375952	Hs.16475		20	7.94	13	A	163.23	CCCTTCCATGCACAGATG	AAGGCATCCATGGACAGG	50
C20orf18		AV617829	20	336,697	359,610	BC748607	Hs.247280	XAP4	20	6.83	13	A	155.65	TGCACACCGTCACTATCTGG	GGAGTGCAGAGCTCTCTGGT	60
C20orf23		AW447108	20	16,200,750	16,502,078	AW206738	Hs.101774	FLJ23045	20	86.20	13	B	0.00	TACATGCGATGTGGCATGCTA	ATGAGCTCTCTATTGAATGC	60
C21orf45		AW463565	21	32,560,932	32,571,744	H91723	Hs.49932	C21orf45	21	170.10	01	A	0.00	CCACCAAGGAATCCAGCATAC	TATCCAAGTCACCTCCAGGTCA	60
C21orf5		AW462239	21	36,457,231	36,586,860	AK026478	Hs.129781	C21orf5	21	179.39	01	C	125.53	ATCCAAAGAACGCCTGACAGA	GGCCACAGTGAAGTCAATG	60
C2orf6		AW462706	2	74,339,694	74,363,717	BG286606	Hs.196437	C2orf6	2	223.10	11	A	15.54	TAGTAGAGCAGGCAAGAGGA	ATGTGACCTCACTGCTCAGAGA	60
C4BP4		AW326993	1	203,921,023	203,961,724	AL602974	Hs.1012	C4BP4	1	686.04	16	A	102.90	ATGAAGCATCAGCGAGTTCC	CAACAGAGTAGCAACCAAGGTC	60
C4BPB		Z31694	1	203,905,613	203,916,754	AV653408	Hs.99886	C4BPB	1	684.38	16	A	96.70	CTTTCAGGAGAGTCCGGAAC	TCTATTCCCGAGTCTGCTCA	60
C7orf10		BE217450	7	40,171,360	40,171,674											
C9orf23		AW289344	9	34,600,494	34,602,102	NM_148179	Hs.421970	C9orf23	9	7.45/119.93	08	C	18.39			
CA3		AW359112	8	86,130,486	86,141,302	NM_005181	Hs.82129	CA3	8	419.36	14	F	20.14	AGATAGCCAAGCTGCGCACTCT	CTTCACGATCCTGCCCTTGATG	56
CA4		U58870	17	58,569,165	58,578,666	AW025419	Hs.89485	CA4			19	A	14.85	TTGACAGTGGGCTTCTCCGGT	CAACTCGAGAAAGCCTGAGGAC	60
CACH-1		AW314133	5	80,664,539	80,728,669	AV685167	Hs.108311		5	390.43	07	C	17.66	GTGTCAGGACTAAGGAGTTTG	GTGCTACTGATGATGGGCTGAT	56
CAMKK1		BE217423	17	3,732,559	3,733,306						19	B	15.20			
CAPNS1		J05065	19	41,306,966	41,317,304	X04106	Hs.74451	CAPNS1	19	216.04	18	B	70.69	TGCAGTACACATTCTCGTGGGTC	GCACAGGTGCAAGGAAAGGGTT	60
CAPZA1		AW289236	1	112,263,942	112,316,777	AA362574	Hs.184270	CAPZA1	1	364.41	03	A	115.61	TGACGTGTGTTTGAGGAAAGAC	GGTTTATTGGCAGGTACAGGTG	60
CAPZB		Z85980	1	18,811,254	18,958,106	U03271	Hs.333447	CAPZB			02	E	200.35	TGCGGTGTGTAGGCCCTTCTC	CGGTGGTGTGCGGAGTGTGTT	60
CASR		S67307	3	123,183,759	123,286,569	NM_000388	Hs.272429	CASR	3	423.87	01	C	13.63	CGGTGTGCTTCTGTGTTAGGT	CAGGCTGTCTGCAAAAGTTCAGG	60
CBF2		AW484280	2	37,866,420	37,416,454	AW501995	Hs.184760	CBF2			11	A	144.60	AAACCTTTGGAAGTCCATGC	CTTGCTTGGTGCTCCGAGC	58
CBFB		AW484759	16	66,798,515	66,870,421	AA628785	Hs.179881	CBFB	16	406.55	18	B	29.51	TCCAGTAGTGCGAGGCTTTCAA	GGTGGCAAAAGCAATCTGGT	60
CBR1		AW461769	21	36,362,691	36,365,857	BG681818	Hs.88778	CBR1	21	197.90	01	C	129.38	CCCTGAACCTGCAGCAAAATTG	CCCGTTCTTTGTGCTTCCA	60
CCCL8		S67956	17	32,494,723	32,497,077	AV733664	Hs.271387	SCYAB			19	A	26.05	CTGGTGATGAGTTTCTCTGAG	CAGAAGACTGGAAACAGCTTGGT	64
CENB2		AF080219	15	56,976,458	56,996,381	AK001404	Hs.194698	CENB2	15	200.56	10	A	307.03	GCACGATTCCTCAGTTGAACCT	CAAGACAAGTGCACGAACGAC	64
CENB2		AW289312	12	4,262,199	4,293,777	C03713	Hs.75586	CENB2	12	25.03	05	A	400.64	TATTGAGTAGTGCGGAACGGGA	GAGCCTGCCTTCACTTCAAGC	64
CENB2P1		AW465583	15	41,056,632	41,066,531	A1095331	Hs.36794	CENB2P1	15	155.11	10	A	219.20	TCAGGCTCCTTGAACCTGC	GAACTCCCTCCAATCCAGA	60
CCNG1		Z71878	5	162,800,120	162,807,563	BE410255	Hs.79101	CCNG1	5	609.33	19	C	88.36	GGAAACAGGAGTTGAGATGTCAG	ACTTCAAAGTCCCTCAGCTCGC	60
CCNH		AW289226	5	86,728,795	86,747,549	BF510957	Hs.814	CCNH	4	678.23	07	C	39.60	AAGCTTCCGATCACTCTCTC	CAGGCTTTGTTCTTCACTAA	60
CCR1		AW428591	3	46,062,841	46,069,048	A1971196	Hs.301921	CCR1	3	143.05	22	C	0.00	TCCCAACATGCTGCTGCTTA	CCTAGGCAAAACAGCAGCTGA	60
CCR4		AW631752	3	32,841,465	32,843,003	NM_005508	Hs.184926	CCR4	3	116.16	22	A	74.34	TTCCCTCAACTTACCCAACCTG	GAACTTGAACGACCACTG	55
CCRK		AW487435	9	84,136,387	84,144,694	AV706756	Hs.26322	CCRK	9	284.53	08	D	66.15	CTCTGAGGAGTCACTGTGTAA	GAAATCAGGCTGGAGCAGAA	60
CD14		U48356	5	139,994,885	139,995,182	U42766	Hs.37125	NPY2R	4	644.70	07	A	286.90			
CD28		X93304	2	204,535,221	204,566,579	AA353280	Hs.1987	CD28	2	633.08	02	D	16.19	TGACTTTCTACCTCCAGGATCT	GGTCCCATTACTCTTCTCATTTG	56
CD2AP		U83050	6	47,595,748	47,596,271	AA173981	Hs.343211	CD2AP	6	185.24	23	A	294.66	TACCACAACCAACCTGCAT	TTACCGGGATCACAGAAACA	60
CD34		AW656254	1	204,701,027	204,728,099	AL547847	Hs.85289	CD34	1	689.26	16	D	175.92	GCGACCTCATGCTCTGCTCACC	TGGAACTTTCTGCTGTTGGTCAGG	60
CD36		X91503	7	79,829,727	79,905,268	BC008406	Hs.75613	CD36	7	449.83	04	B	16.12	ATGAACCAAGTATGTACAGGACC	ATGAGGAAGGCTAGTGTTCAGG	64
CD37		AW308177	19	54,514,449	54,519,880	BG541132	Hs.153053	CD37	19	268.85	18	C	181.67	CTTGCTCTCATGCCCTTG	GCAGCGGAACCTCTTCAG	60
CD44		S63418	11	35,199,569	35,293,102	B1833320	Hs.169610	CD44	11	131.68	15	C	154.60	GTGTAACACTGCTTCATGACC	CAGTAGACATTCGATCTG	60
CD47		AW461777	3	109,043,376	109,091,170	B1599811	Hs.82685	CD47	3	395.50	01	B	39.41	ACAGAGGCTTCCATCAAAACC	ACCCGAGAAGAGGCGACATTT	60
CD5		X53061	11	61,120,852	61,146,206	X04391	Hs.58685	CD5			29	A	269.33	GAGATCTGTGACCCGGGAACAA	TGTGAGAGATGTCGGAGTGGGA	60
CD74		AW289266	5	149,764,362	149,775,490	BG184293	Hs.84298	CD74	5	583.14	07	B	46.80	AAGCTTGCTGTGACAGAGGGAA	CCCGGCATCATACACCCAAGAA	56
CD79A		D16412	19	47,057,216	47,061,487	BG755601	Hs.79630	CD79A	19	244.36	18	C	39.83	ACAACCTCAGTGTTCACCCATC	ACAGGGAAGAAGAGTGGACAGT	60
CD81		AW266935	1	2,356,719	2,377,913	AW474926	Hs.54457	CD81	11	17.84	29	A	422.33	GACGCGTTAGAAAGGAGAGGTGC	CTTGCTCAGGCAGGCTCTCTTG	57
CD9		M81720	12	6,188,760	6,226,688	B1545708	Hs.12444	CD9	12	39.88	05	A	390.19	CGTGAAGCCGCTGTTTATT	TTTCAITGAGGACTTCTGCTT	54
CD20		AW267023	1	43,258,473	43,258,639	AL527187	Hs.82906	CD20	9	280.53	06	C	233.58	AACACTGTGAGGAGTTGGTC	GAGGAGAAGGAAGAACACAGC	56
CD24		AW261138	1	21,559,286	21,564,089	BF982463	Hs.146409	CD24	1	77.59	02	E	166.65	CATTGCTTTAGTATGATGCCG	TGGAGCGTCCAGAACCCAGAA	60
CD27L1		AW289255	1	91,303,918	91,328,841	AA429583	Hs.28853	CD27L1			03	A	142.09	ACTACCGCAATGAAGACAGTGC	GGAAGAGTGCTAATGAAGTAGG	50
CDH1		AW462332	16	68,604,152	68,604,601						18	B	38.26	TGAGGCTGAAGACAGTTGAGGT	TGTGCTTTGGGTCCAAGGAT	60
CDH10		AW660402	5	24,486,798	24,484,499	AA102438	Hs.92489	CDH10	5	82.84	20	B	6.60	ATCAGGAGAGGACGACAGGATA	GATAGTCGTCCCTTAAACACC	52
CDH3		X53614	16	68,414,155	68,468,358	NM_001793	Hs.82877	CDH3	16	411.30	18	B	38.26	GCAGCTTTGTGGAATGGCCT	GAAATCAAGTCCCCAGCTTCC	60
CDH5		AW478375	16	66,136,110	66,174,235	R23821	Hs.76206	CDH5	16	401.50	18	B	25.18	TCCCACTTCTCTCAGCCTCT	TGACCTTGGCTGGATTTTCA	60
CDH6		AF013085	5	19,590,752	31,301,995	AF039747	Hs.92489	CDH10	5	82.84	20	B	0.00	CAACTGATGCTGACACTGGAA	TGATGGCTCCTGATGTCCCTT	60
CDK10		AW487657	16	89,455,939	89,465,623	BF934940	Hs.77132	CDK10	16	497.98	18	A	136.71	CTGCTGACTGCTCTGGAGAG	GTGGCAGCCTTGTATCAAT	58
CDK2		AF093740	12	56,077,306	56,083,315	BF793915	Hs.19192	CDK2	12	245.85	05	A	298.09	ATACAGCCCTTAAAGCAACG	TGATCTTGCTGGTTGCCITAG	53
CDK5		X82440	7	150,065,788	150,069,885	BC005115	Hs.166071	CDK5	7	675.32	04	E	175.42	GCAGCATCCCTACTTCTCCGAC	AGCGAGTGAAGACCACGGGTGA	60
CDK5R1		S73375	17	30,662,815	30,666,980	X80343	Hs.93597	CDK5R1	17	271.53	19	A	37.27	ATGCAGCTTAGTCAACCTGTGG	CTCCCGGCTATAATTGTCTCC	64
CEBPA		AW632829	19	38,466,985	38,469,369	AW391302	Hs.76171	CEBPA	19	195.06	18	B	61.92	CGAGAGCTCCCTGCGTCAA	AGATCCGAGACCCCAAG	58
CEBPB		AW465166	19	38,540,285	38,549,640	AA135930	Hs.2227	CEBPB	19	195.48	18	B	55.65	GCAAGTGTAGAGAGTITGGGA	GAAAGACTCAGAGGACAGTAGAA	60
CELP		M28402	9	129,293,456	129,316,127	AF072711	Hs.99918	CELP			11	C	81.16	ATGCTGTGCTCATTTGGTT	TGGTGTAGGCTTATTCAGGAG	58
CFTR		M76128	7	116,660,718	116,849,416	M28668	Hs.663	CFTR	7	558.39	04	B	55.98	GTTTGGCTGGGAGCTTACACA	TTGACCACTGCCAGGAAGGCAT	54
CGI-105		AW483908	2	95,536,375	95,546,806	BG252786	Hs.279932	LOC51011	2	338.13	11	A	2.03	TGTGGTCAATCGGAAAGAGAG	CAACCACTGCTTCCATTGC	66
CHAD		U08018	17	48,883,938	48,888,402	NM_001267	Hs.97220	CHAD			19	C	49.08	ACTCCCACTTCTTCCCAACACC	GGGTAGGGCAAGATCTGATGT	60
CHGA		U73523	14	91,379,585	91,391,667	NM_005958	Hs.248147	MTNR1A			21	B	213.05	CTCTGAACACAGGACGCTTCT		

COL10A1		X53556	6	116,440,251	116,447,426	NM_000493	Hs.179729	COL10A1	6	489.05	09	A	176.25	CACCGAGCTAACACAAATCTGC	GAAACTCAAGAGGGCCTTCACA	64	
COL12A1		AW426863	6	75,744,200	75,865,727	BF436541	Hs.18689		6	325.06	09	A	0.00	CAGTTACACACCCATCCAAG	TGCCCTAATGTACGACAGAG	60	
COL1A2		U83080	7	93,658,013	93,658,204	AA609072	Hs.179573	COL1A2	7	496.39	04	A	56.98	Ma et al., 1998			
COL21A1		AW487394	6	55,923,520	55,923,834	NM_030820	Hs.29664	COL21A1	6	222.05	23	A	8.34	TGGTGTCTTCTTTCGTGGTCT	GCGGCGCCTTTACAATCAGTAT	50	
COL2A1		L10347	12	48,083,937	48,114,851	AI292059	Hs.270130				05	A	163.09	CTCTGCGACGACATAATCTG	TCTCCAGGTTCTCCTTTCTG	56	
COL4A1		AW266925	13	109,638,038	109,796,142	AI707645	Hs.119129	COL4A1	13	309.79	12	D	51.45	CATTGCTCCCTGCTGAAGTC	TTCTGCGGCTGGGTGAGAAAG	56	
COLEC12		AV602345	18	309,356	490,722	BF590360	Hs.29423		SRCL	18	2.72	24	A	106.50	CGGTGTATGTTTTCAGTTCTCC	TGGATTGTCAAGACAAATGG	60
COMP		X74326	19	18,738,793	18,747,323	L32137	Hs.1584	COMP	19	101.89	07	A	45.74	AGAACATCATCTGGGCCAACCT	CCGCCACACAGACACATTTAT	60	
COMT		AW462471	22	18,303,863	18,331,084	BF105861	Hs.240013	COMT	22	1.50	17	C	139.87	TCCAAGAACACCGTGACCT	CTGCTCACCATCGAGTTCAA	60	
COP1		AW289177	1	172,494,836	172,757,489	AA262937	Hs.105737	FLJ10418	1	626.06	16	D	67.63	AGATAAGCATACCACCAACAGC	AGCCGACAATAAGAGAAGACAG	60	
COPB2		X72756	3	140,357,294	140,390,117	BC000326	Hs.75724	COPB2	3	488.16	01	C	0.00	ATGGACAGTATCGATCGTCAC	AGATGCTGTCAGACAAATCGCT	60	
COPEB		AW462336	10	3,919,371	3,927,688	BE019006	Hs.285313	COPEB	10	39.82	13	A	60.80	CTCCCAATGTGCAGCATCTT	AGGTCTGTGGCAGTATTGCTC	60	
COPG		X70019	3	130,261,071	130,278,150	AF100756	Hs.102950	LOC51137	3	458.70	22	B	25.40	TGAACCCAGTGAAGCTCTTT	GCAGGCAAGACAGCAAGTTCTA	66	
COPSTB		AW487182	2	232,610,414	232,637,976	NM_022730	Hs.114432	COPSTB	2	717.48	02	E	82.01	CCITGTACACAGTACCCACAGA	CCCGCAGGTTTAGTAAACAC	60	
COPZ1		X75935	12	54,435,621	54,462,380	AF151878	Hs.181271	LOC51644	12	236.73	05	A	140.80	AAGAACAGATCAAGTGGTCCCT	TGACACTGAGAGCATCATTTGG	60	
CORO1C		AW289349	12	108,971,835	109,058,314	B1860241	Hs.17377	CORO1C	12	426.23	17	C	75.92	GCACAGGATCAACCAAGAAGC	TCATCTGAGAACAGAGCCGT	60	
COX17		AW289252	3	120,669,668	120,670,300	AI805613	Hs.16297	COX17	13	136.11	01	C	0.00	TTTCAGCAAGGAACCTCCCAA	GAGCCCTGGGATTAAGATATG		
COX41I		AW267113	16	85,581,118	85,581,309						18	A	102.24	ATGCGGGTGACTGGACAGGTGA	CGTCCCGCACACCTTTGAAGAG	64	
COXA6A1		AW261186	12	120,661,194	120,661,380	AV741298	Hs.349996		6	133.95	17	C	0.00	TAAAGAGAACTGGACACACCAC	TCCTCAACTGTAAATGGTCATCA	60	
COXB6		AW430117	19	40,815,204	40,825,732	AI076220	Hs.174031	COXB6	19	206.74	18	B	94.08	TCCATCCCACTCTTCTGTCT	CACGTTTCCAACGAGCATTT	58	
CPA1		M61851	7	129,559,441	129,567,150	X67318	Hs.2879	CPA1	7	595.37	04	E	45.25	TCACCTTTGAACCTCCGGGACAC	TAGGGCTGAAGAGGAGGAGGAA		
CPO		AW655216	3	99,579,524	99,593,778	NM_000097	Hs.89866	CPO	3	333.32	01	B	19.25	GCTCTGTTATCCACCCCAAG	AGGTCACATCCCAACCAAGG	52	
CPSP3		X95906	2	9,568,707	9,618,142	AF171877	Hs.16251	CPSP3	2	44.78	11	C	10.56	ATGACGAGTCCCTCCGAGAAAT	GCCATCGAAAGTGAACAGGTA	60	
CPSP4		U96448	7	98,634,191	98,652,589	BI761187	Hs.6351	CPSP4	7	515.73	25	B	79.64	CCATTCTGGGAGGTGTGTGTT	TGACAAAGCAGTCCCGTAAGA	60	
CRFG		AW356149	10	1,024,349	1,053,707	AW468299	Hs.215766	CRFG	10	7.24	13	A	62.21	GGTGAAGAAAGGCCAAGACAA	CCAGCTTTCCTCTTCTCTGA	60	
CR11		AW267025	15	46,749,230	46,751,139	AW474313	Hs.75847	CR11	15	172.08	10	A	337.85	AGATACTGAGGTGGATTCTGG	CATGAAGGTACAAAACGACAA	60	
CRMP1		AW431689	4	5,815,238	5,887,512	AL534812	Hs.155392	CRMP1	4	38.67	06	C	191.18	GACCATGTTGTCTCTGAACC	GAGTAGTCGAGCAGGAGTTT	60	
CRMP1		U96722	4	5,815,338	5,815,903	L13738	Hs.153937	ACK1	3	726.38	06	C	284.94	CTGACTGCTCATCATCCGCCTT	CCATGTCTTCCGGTCTGATGTG	64	
CROT		U65745	7	86,573,238	86,627,337	AF168793	Hs.12743	CROT	7	472.73	04	B	13.17	ATATAATTTGGGTGCCAGGAGTG	CTGTAGATTGGCATTTGTTGAGG	66	
CRTL1		U02292	5	82,975,916	83,055,609	U43328	Hs.2799	CRTL1			07	C	33.41	GGCTACATCATCTCCAGTGAAGT	CAACCTCTCAGCCCTCAGTTT		
CRYBA1		M11850	17	27,425,745	27,433,371	BF727095	Hs.46275	CRYBA1			19	A	79.72	Yang and Womack, 1995			
CRYBB3		AF013259	22	23,920,379	23,927,878	NM_004076	Hs.198968	CRYBB3			17	C	90.08	GACCAGGAAGTGGCACAAGAGA	CTGGAGCCTCCTCTTCTTGCCCT	66	
CSF1		X05010	1	109,555,565	109,574,463	U22386	Hs.173894	CSF1	1	339.13	03	A	91.95	GCAGAGCTGAAAGGAGGACA	GCCAGCAAGACCAGGATGAT	60	
CSN10		CSN10									06	C	174.07				
CSNK1E		AW465847	22	36,929,737	37,037,566	BF528415	Hs.180878		22	133.76	05	A	406.42	CTCCTGACAGACAGACAACACT	GACAGAATCCGTGGAGACTACT	60	
CSSM09		CSSM09									17	B	0.00	Kappes et al. 1997			
CSSM19		CSSM19									01	C	100.59	Kappes et al. 1997			
CSSM23		CSSM23									24	A	70.72	Kappes et al. 1997			
CSSM24		CSSM24									23	A	455.26	Kappes et al. 1997			
CSSM26		CSSM26									22	A	43.69	Kappes et al. 1997			
CSSM31		CSSM31									24	A	89.44	Kappes et al. 1997			
CSSM32		CSSM32									01	C	53.09	Kappes et al. 1997			
CSSM34		CSSM34									05	A	156.77	Kappes et al. 1997			
CSSM36		CSSM36									27	B	35.99	Kappes et al. 1997			
CSSM37		CSSM37									08	B	9.43	Kappes et al. 1997			
CSSM38		CSSM38									10	A	0.00	Kappes et al. 1997			
CSSM41		CSSM41									22	A	193.07	Kappes et al. 1997			
CSSM42		CSSM42									02	B	88.00	Kappes et al. 1997			
CSSM43		CSSM43									27	B	3.34	Kappes et al. 1997			
CSSM46		CSSM46									10	A	453.58	Kappes et al. 1997			
CSSM47		CSSM47									08	E	22.30	Kappes et al. 1997			
CSSM5		CSSM5									23	A	117.19	Kappes et al. 1997			
CSSM56		CSSM56									09	B	67.36	Kappes et al. 1997			
CSSM66		CSSM66									14	A	27.91	Barendse et al. 1997			
CST3		Y10811	20	23,562,294	23,566,574	AA977830	Hs.135084	CST3	20	123.48	13	A	53.05	ATTAACAGGCAGCGCACTGACC	GATCAGACAAATGCCCAAGGAGC	64	
CSTF2T		AW357880	10	53,349,423	53,351,759	BI915747	Hs.21992	CSTF2T	10	322.72	26	A	0.00	CTATCTTGGCCCAACACATC	TAGGTCTCTTGGGCTCACTC	62	
CTBP2		AW267118	10	126,718,432	126,890,626	BF310306	Hs.171391	CTBP2	10	540.71	26	A	333.22	CAGTTCAAGACTTTTCCACTC	CAAGTTGGTTGTGTGTTACG	64	
CTGF		AW267007	6	132,204,446	132,207,642	AI537633	Hs.75511	CTGF	6	531.47	09	B	12.30	CACGTGATTTCAGTGGCAACAT	TTGCCACAAGCTGTCCAGTGA	62	
CTLA4		X93305	2	204,696,534	204,702,706	NM_005214	Hs.247824	CTLA4			02	D	16.30	CTACATGTGTGGAGGATGAGCTA	GTACATGAGCTCCACTTTGCA	60	
CTNNBL1		AF037349	20	36,960,870	37,138,956	BI262482	Hs.178576	P14L	X	113.64	13	A	233.88	TCAAGGAGTACGGCGGAGAACAT	CCACAAGAAATTCCGGAGGAGG	64	
CTRB1		AW431989	16	74,991,686	74,998,622	M24400	Hs.74502	CTRB1	16	446.12	18	A	13.19	TAGTGGCTGGGCACTTTTGAC	GCAGGCTGATGCTAATTTG	82	
CTSC		AW416500	11	88,211,302	88,255,480	X87212	Hs.10029	CTSC	11	310.03	29	A	101.90	TTATTACAGGCACTGGAGACA	GTAAGGCGACAGATCTTCAC	50	
CTSF		AW289265	11	66,580,947	66,586,054	BG745773	Hs.11590	CTSF	11	253.30	29	A	409.58	AAGACAGAGCCTGCTGAGGACA	GTTGAATGGCGGTAGTAGGAG	56	
CTSO		BE688187	4	157,316,927	157,329,729						17	B	107.34				
CXCL12		AW289194	10	44,640,810	44,655,732	H69579	Hs.237356	SDF1	10	260.09	28	A	165.47	AACCCACTGCTCAGAGGCT	GGAGACCCTGACATTGCCAAG	56	
CXCL14		AW462134	5	134,941,165	134,945,352	BE615852	Hs.24395	SCYB14			01	B	20.82	ACTGCGAGGAGGAAGATGGTT	CCAGGCCGTGTACCATTTGA	50	
CXCL2		AW463349	4	75,363,313	75,365,624	AV688699	Hs.75765	GRO2	4	424.55	06	C	189.29	TTCTTGATACTCCAGCAGCCTC	TGCTTGAAACCCTCCACTACTGT	60	
CXX1		AW464203	X	132,111,332	132,112,569	AL545178	Hs.250708	CXX1	10	476.73	X	A	22.24	AGAACCTGTTACCAACGATGC	ATCCAAACACCCGCTTCATCTC	60	
CYB5 (3)		AW427776	18	71,705,506	71,744,225	AA359674	Hs.83834	CYB5	18	461.93	24	A	5.17				
CYB5 (5)		M63328	18	71,706,508	71,713,467						24	A	2.36				
CYBB		AF036097	X	36,483,835	36,517,276	X04011	Hs.88974	CYBB	X	112.78	X	C	170.36	CTGACACCCCTTAATAAGCAG	GGAAGAGACCAGTTAGAAGT	60	
CYC1		U97172	8	144,925,507	144,927,940	BG682673	Hs.289271	CYC1	8	563.44	14	A	9.65	CTGAGGAGTGGGGACCGC	TGCTCCGTTGTTGGCTGCAC	65	
CYLC2		Z46789	9	99,215,047	99,238,223	NM_001340	Hs.3232	CYLC2	9	333.54	08	D	92.20	GCCAAGAAAGATGCCAAGAAAG	TTGTAACTAACCTCCAGGCCCT	60	
CYP19A1 (3)		Z69241	15	49,120,963	49,124,448						10	A	323.75	TTGGAGGAACCTTGGCTGTGGT	TCATAGCCAGCTGACCGCTTGT		
CYP19A1 (5)		Z32741	15	49,080,810	49,209,932	J04127	Hs.79946	CYP19	15	165.55	10	A	328.67	CCCAGAGCACTGTCTCAACAGAA	AGATGAACCGTGTCTCTGCCT	60	
CYP2J2		BE217585	1	59,716,700	59,716,798						03	B	17.54	Dorroch et al. 2001			
D79472		AW356793	3	100,798,995	100,799,232	D79472	Hs.41271		3	346.49	01	B	11.77	TTTAATGCAGGGTGACATCC	TACCACTGTGTTCAACATTC	60	
DAB2IP		AW314025	9	117,782,823	118,001,468	AI625445	Hs.238465	AF9Q34	9	377.11	11	C	43.49	CTCCAGCTGTGACTCTAATAT	GTACAGAAATTCACAGCCA	60	
DAG1		AB009079	3	49,362,007	49,427,460	BC014616	Hs.76111	DAG1	3	159.35	22	C	35.60	CGCCCAACAGAAACCAATCTG	AATGGCAACACGAGTCCGAATG	60	
DAPP1		AW289359	4	101,130,769	101,184,090	AI74754	Hs.62643	DAPP1			06	A	52.67	AAAGTTGGCCTTTGGAAGTGC	AGGCTGAAGTTTGAAGGAGG		
DBT		M19475	1	99,950,917	100,006,571	NM_001918	Hs.139410	DBT	1	292.80	03	A					

DGUOK		AW482999	2	74,111,662	74,143,797	BG708680	Hs.326494			2	227.43	11	A	9.08	CTTGAAACTTGTGGATATG	AACGTACTTTCAGGCGG	60
DIS3		AW430453	13	72,266,179	72,292,869	AL080158	Hs.323346	KIAA1008	13	213.61	12	A	132.72	GGGCTTGACTCTTTCTTC	CCTTGGTCTGCAGATCTA	64	
DKC1		AW481424	X	151,576,389	151,591,310	BE070312	Hs.4747	DKC1	X	354.15	X	B	131.68	AGAGAGACACTTACCCTCGGAA	TCGACGTACTTTCATCCA	56	
DKFZP434A0225		AW462850	7	91,473,775	91,628,923	AI634688	Hs.83293	DKFZP434A0225	7	487.78	04	A	8.53	CTTCGAATCGTATGGCTCAGAC	TCCGATATCCATGGCCACAGTAG	60	
DKFZP434B103		AW481763	3	9,854,073	9,859,342	BF433287	Hs.289010	DKFZP434B103	3	46.91	22	A	122.63	CCAAAGAGACAAGCAGCCAAAGA	AGATGCGCCAGGTTGTTAAGGT	60	
DKFZP434B1727		AW417215	2	135,942,452	135,943,001	AL096752	Hs.306327		2	480.65	02	C	25.34	GGCAGACCTTGTCTGGCAGCC	GAGCGGACCTTGGCAATTAAGC	53	
DKFZP434I0714		BF440571	4	153,923,771	153,924,270						17	A	20.74	TGCTCTGTAGCGGTTTTCCTT	CGGCCCGACCAAGCTTATAC	62	
DKFZP434J154		AW485976	7	4,940,173	4,983,824	BG324721	Hs.226372	DKFZP434J154	7	35.51	25	B	84.13	CGGCTACTTCGGGAAGGTGCTC	ACCAGCAATCGGGGAATCTCTGG	60	
DKFZP564A022		AW289337	8	42,445,728	42,492,813	BE179648	Hs.22629				27	B	36.31	CTTGCTTTCAGGTCTGAGAAC	TGATAACTTGGGCACGCTCTGT	60	
DKFZP564B0769		AW465187	6	99,848,361	99,873,692	AV739605	Hs.18368	DKFZP564B0769	6	459.02	09	A	209.90	TAGAAGCTCGCTCAAGGGATAG	CCTCTCCTTTCTCCTCTCTGT	60	
DKFZP564B167		AW482123	1	164,583,409	164,602,310	BG685226	Hs.76285	DKFZP564B167	1	605.80	03	A	1.62	GATCACCTGCTCCGCAAGATGT	CAACGGCCTCAATTTCTCAGT	60	
DKFZP564G0222		AW481580	2	98,829,613	98,839,546	BI822850	Hs.13370	DKFZP564G0222	2	355.36	11	A	0.00	GCTCCAGGAAGATGTTACCA	CTCTCCTCAGTATTTGTAGCGT	56	
DKFZP564O123		AW479789	3	87,156,401	87,184,636	BI493277	Hs.11449	DKFZP564O123	3	262.81	01	B	0.00	GSACTAGTGAAGATATGGCA	CCATCAATGTTTCAAGGGTA	56	
DKFZP566C134		AW652708	7	32,616,004	32,639,624	AA479237	Hs.20237	DKFZP566C134	7	154.34	04	C	21.57	TCCCGTCTCTGT1TTGAAGTCC	GCCCAGCAACTGAAGTCACACCTG	57	
DKFZP566N034 (3)		BE217418	2	135,367,456	135,367,808						02	C	31.85	Dorroch et al. 2001			
DKFZP566N034 (5)		AW307678	2	135,235,659	135,532,535	BI496305	Hs.331633	DKFZP566N034	2	471.00	02	C	31.95	AGCCTGACATGGATAGTGACTC	GTGATCTACACGATGGTTCTGG	50	
DKFZP586F2423		BF440577	7	136,961,903	136,972,411	N51515	Hs.13659	DKFZP586F2423	7	632.58	04	E	138.93	GCAAGTGGCCAAACCTGACTA	TGAAGTCTGAGAGAGACGGAGCA		
DKFZP586M1523		AW461557	18	34,262,402	34,262,691						24	A	79.90	CTTCCACCTGCTCTGCCTAC	TAGCACTTGGTGTCTCCCT	60	
DKFZp761B1514		AW484742	3	198,884,259	198,918,819	AA766476	Hs.177537	DKFZp761B1514	3	729.32	01	C	17.37	GGATATTGGAAGCCAGTCA	CTCTAAAGACGACCAAGCTCGT	56	
DKFZp761J139		AW461536	5	80,645,742	80,647,195	AA299969	Hs.181915	DKFZp761J139	5	387.48	26	A	109.66	TGTGTGGCTCTGTGGAACT	GTCTGCATCACTTCCCTTTG	60	
DKFZp762F0713		AW481335	14	51,010,044	51,093,480	AI681467	Hs.181915		14	120.37	10	A	28.69	CCAAGGTAAACAGCAACATT	CAGCTTCCCCAAGACATCAA	60	
DL1		AW660816	8	12,716,064	12,909,249	NM 006094	Hs.8700	DL1	8	50.15	27	A	0.00	TGATTGAAATCCTGGACAGCC	ACCCTCACTCCACACAG	60	
DLG2		AW315850	11	83,392,819	84,857,135	NM 001364	Hs.215839	DLG2	11	295.59	29	A	81.98	TCAAGAAATTTATAGAGTAA	CTCTGACACTTTTGAAGG	56	
DLK1		AB009278	14	99,183,293	99,191,503	AO118368	Hs.169228	DLK1	14	276.43	21	B	231.11	CATGACACCTTACCAAGGAG	GGAGCGTAGCGTTTACACAGATT	56	
DMA		D76416	6	32,918,516	32,922,286	X87344	Hs.502	TAP2	6	145.45	23	A	123.48	CACACAATGTACTGCCAGGA	CAGTGTGAACACCTGAACGA	65	
DMP1		U47636	4	88,964,239	88,978,287	NM 004407	Hs.93465	DMP1	4	457.00	06	C	270.55	GCGGAGGAGGTCAGAAGCTTA	GCAGTCAATGGGTCAAAAGAG		
DNAJC3		U04631	13	95,166,041	95,279,938	U28424	Hs.9683	DNAJC3	11	169.38	12	D	0.00	GTTTGATGACGGGAGGAGACC	CTGAGCTAAAGGGACGTGAAC		
DNAJ5		X92667	20	63,238,805	63,246,709	BI910795	Hs.165563	DKFZP434N1429	13	103.92	CTGACCTGTGCGGAGTGTTTG	13	A	0.00	CTGACCTGTGCGGAGTGTTTG	CTGGATCTGACGCTGGCTGT	64
DNASE2		AF047017	19	12,831,234	12,837,529	BG822224	Hs.118243	DNASE2	19	73.29	07	A	143.58	GCAGGACTGTGGACTTGAATTG	TCCCATGTACAGATGAGTCAAG	64	
DNCL12		AW463507	2	172,507,967	172,568,950	AW374045	Hs.66881	DNCL12	10	303.48	02	B	78.51	CAGCGTTATGTCTGCACATT	AGCTGACAGTGAGGTTCTTTGC	60	
DNCL12		AV598527	16	66,490,264	66,520,971	AF035812	Hs.194625	DNCL12			18	B	11.09	GGAGGATGACGAGGTGTTTC	GTCCGGCTTCTTTACTGACG	50	
DNM2		AW289273	19	10,764,455	10,764,593						07	A	120.01	GGGCGGAATATTATAGGATG	GGGAGATCTTGGTAAGTACTCA	60	
DNMT3A		AW289242	2	25,413,556	25,523,169	BE644774	Hs.241565	DNMT3A	2	89.92	11	B	29.14	TCATTCTGCCATCTTGCTGAGG	AGGTTGTGAAGGACATTTGGGA	53	
DNTT		X04122	10	98,195,379	98,229,537	BC012920	Hs.172211	DNTT	10	449.28	26	A	150.19	TTTGAACAGCTGATCAGGCACC	GGCAAGTGGGCTTTGATGAAC	60	
DOC1		AW289233	3	100,848,002	100,876,275	AI378578	Hs.15432	DOC1	3	357.71	01	B	30.93	ITCACAAGACAAGTTGCGAG	CCCTTCCATATCCGGTTAT		
DOCK2		X73729	5	168,999,836	169,445,924	AA504737	Hs.172211	DOCK2	5	631.62	20	A	0.00	CTTCTGTGGAGCTGGCATTAG	CGGGCATCTCTGACACATA	56	
DPYD		U20981	1	96,828,924	97,337,469	NM 000110	Hs.1602	DPYD			03	A	138.21	AAGGCCAGAGTGTTCAGTAACC	GGCTTAAACCAGAGTTCATACC	60	
DRB3		U90922	6	32,547,219	32,560,586	M17381	Hs.349123	HLA-DRB1	6	120.03	23	A	343.52				
DREV1		BE217449	16	21,535,981	21,596,230	N51078	Hs.349209				25	A	139.37	Dorroch et al. 2001			
DSC3		L33774	18	28,458,338	28,510,681	D17427	Hs.2633	DSC3			24	A	143.44	ACGAAGAGCACATGCCATCACA	AAAGTCAAGGCCGCTCTCTTCC	60	
DSG1		X57784	18	28,786,044	28,824,451	NM 001942	Hs.2633	DSG1	18	288.69	24	A	128.71	TAGGCGCTTCATCTGCACATCTG	CCTGCTAAAGTCAAGGCTGTC		
DSST		AW479063	7	95,713,412	95,937,132	BG700325	Hs.333495	DSST	7	508.76	04	A	66.07	TGGGTGGTAGAGTCAAGTCA	CTAAAGCTCTCAGGCCAGTAAG	60	
DTYMK		AW315984	2	242,637,815	242,639,521	BI834974	Hs.79006	DTYMK	2	747.40	14	A	141.35	CCAGCAGCTCTCGGACAGC	GATGGCATCTCAGACAGCG	60	
DYA		M30119	6	32,604,636	32,709,447	AV717599	Hs.198253	HLA-DQA1			23	A	78.42	CTGGAATTCGGCACTTACGGCACAAATG	ACAGGATCCACTGGTGGCAGGTGTA		
DYRK1A		AW465886	21	37,659,631	37,807,947	BI491819	Hs.75842	DYRK1A	21	189.32	01	C	130.44	CTGTCCAGGATCAAGAAGC	ACCTAGACGCCCACTGGAA	60	
DZIP1		AW359108	13	95,039,730	95,133,594	BF941428	Hs.60177	KIAO0996	13	270.30	12	D	0.00	TCCGTCCAGACTCTCAGCAGTAT	CTCTGAGAGCCAGTTCCTTGT	60	
ECRG4		AW312031	2	106,284,262	106,299,178	AV722461	Hs.43125	ECRG4	2	366.65	11	A	255.07	CGTGAACCTACGAGCACTACT	GAGAGTGGGCCAAGACTAGA	60	
EDEM		AW463044	3	5,221,203	5,253,487	BF872535	Hs.154332	KIAA0212	3	23.63	22	A	153.15	CACCCCTATACCTTAGTCCTT	CCTAGAGAGAACATGAGAGA	56	
EDG1		M31210	1	100,993,730	100,998,254	M31210	Hs.154210	EDG1	1	294.67	03	A	138.21	TGGCCCTCTCAGACCTGTTG	TGGCGAGGAGCTGAACACG	60	
EDNRA		X57765	4	148,868,317	148,932,292	SE81727	Hs.76252	EDNRA	4	630.23	17	A	119.53	GTGGCCAGCTGAGTTTATTGTG	GAAATGGTGACCATGTGAGGAG	60	
EEF1A1		AF013213	12	8,134,053	19,510,408	BC014224	Hs.181165	EEF1A1	15	155.57	05	A	390.19	ATCAAGACAGTGGACAAAGAAGG	TGGCCAATTGAGACAAACAG		
EHD3		AW447438	2	31,414,656	31,448,970	BG910645	Hs.87125	EHD3	2	105.35	11	B	70.50	GAGAGTTAGCTAGCAGCAGCAGGC	CGGAGCAGAGTCAGAGGCAAAAGC	60	
EIF2S2		BF440462	20	33,346,035	33,346,289	AW517165	Hs.349282		20	195.87	13	A	184.69	ATTTCAGACCAACAGCCACAC	CATTCTCGATGCTCTGTTGCCA		
EIF3S10		AW289385	10	120,925,783	120,971,527	U78311	Hs.198899	EIF3S10	10	522.68	26	A	298.15	GCGGTGCTTATCAATCTAT	GGGAAGGTGAGAAAGAGAAGAC	60	
EIF3S3		AW656759	8	117,325,870	117,447,292	AU123755	Hs.58189	EIF3S3	8	463.74	14	D	22.84	CGGTTCTATCGGCACCTC	CACCAAGCCATCTATCTGCAC	60	
EIF3S9		AW336223	7	2,104,812	2,130,713	BG774395	Hs.57783	EIF3S9	7	33.98	25	B	85.90	CACCAACCCCTTCTCTGTTA	GACCCGACCTTCCATATCTGT	60	
EIF4G2		BE217540	11	10,857,756	10,869,625	AV721967	Hs.183684	EIF4G2	1	689.26	15	C	60.13	Dorroch et al. 2001			
ELA2A		X97635	1	15,051,140	15,066,499	M16652	Hs.21	ELA2A	1	56.67	16	D	247.94	GGCAAGCTGCTGTTGTGGA	ATTGCAGCTGGAGTGCACGC	62	
ELF1		AW428606	13	40,442,801	40,572,307	AA764945	Hs.154365	ELF1	13	130.08	12	A	15.66	CAATGTCTGCGGCGCTTAA	CCTGCTATGAACCTGAATCTC	60	
ELF4		AW354939	X	127,143,870	127,189,478	AW503592	Hs.151139	ELF4	X	306.65	X	A	39.14	TGTCATTGCGGCCTTCATCA	CAGTCATCATGCCCTGCACATA	60	
ELN		K03505	7	72,840,731	72,882,529	AI752721	Hs.85100	ELN	7		25	B	17.93				
EML4		AW267084	2	42,354,226	42,517,396	N48340	Hs.333555	C2or2	2	142.64	11	A	144.60	CCACTTCCAACAATATACACAG	TTGGTGATATCTTGGGTGGTAG	60	
EOMES		AW445450	3	27,607,688	27,613,603	NM 005442	Hs.301704	EOMES	3	96.78	22	A	28.88	AGGTTCTCTGAAGATCAGC	GGAGTCCAGAGATTTCAGT	60	
EPB42		AF030030	15	41,051,129	41,092,619	M30646	Hs.733	EPB42	15	141.64	10	A	180.11	CAACTTCAGAACTCTCATGGTG	AGATTTAGATTCAGSAGGTGG	64	
EPHX1		AW289263	1	222,405,235	222,440,699	J03518	Hs.89649	EPHX1	1	718.69	16	C	23.57	GGAGTCATGTGGCTGGAATAC	CTCTCTCATGTATTTTCCACC	56	
EPIM (3)		AW267077	12	131,014,318	131,014,509						17	B	146.53	ATGGAACAGGTAGAGAGGAAGC	AGAAACGTCAATGATGACAGG	60	
EPIM (5)		AW415324	12	131,014,314	131,014,684						17	B	150.71	TGTCAGAGCCATCTTTGCAC	GGTACTGGGCAGATTTGAAC	60	
EPO		U44762	7	99,916,795	99,918,912	AX025442	Hs.2303	EPO			25	B	50.61	TAGAGGAACTGTCCAGAGCTCA	AGTCTCAGTGTCTCTGCAGCAT	60	
ERCC1		AW463685	19	50,586,641	50,658,135	BF724730	Hs.59544	ERCC1	19	250.62	18	C	58.08	AGCCTCCGTTACCCACAACCT	ACATCCACCTTGGACGAGCA	60	
ERCC2		AW446898	19	50,529,145	50,550,225	X52221	Hs.99987	ERCC2	19	253.85	18	C	68.79	TGATCCGGAATCTGGAATCT	GCCACAGTGCTCTCCATGTAT	60	
ESDN		AW314878	3	99,796,043	99,901,762	AI379718	Hs.173374		3	336.74	01	B	18.34	ATTGGGTAGACCGTGCAAT	GGAAACGACAGTTAAAGG	60	

F12		S70164	5	176,764,742	176,772,178	BC012390	Hs.1321		F12	5	637.04	07	A	180.37	TGAGCAGTTCTGGAATGGAAGC	ATTGAGTGCTATGCCATGCCT	60
F13A1		U13392	6	6,134,317	6,310,901	AW163457	Hs.80424		F13A1	6	42.10	23	A	462.24	TGAGGTACCAATGTCAAGGCGTTAC	ACGGATCCACCAATGACGTATCCACC	58
F2		J00041	11	46,772,338	46,792,664	AL532541	Hs.76530		F2	11	166.60	15	C	217.41	CGCCTGAAGAAGTGGATACAGA	TCAATCTAGGATTTGGCCTC	64
F3		S74147	1	94,345,475	94,357,879	J02846	Hs.62192		F3	1	266.67	03	A	142.09	TCGTGCTGCACCTGTGACCAAGA	GAAAGTCCACCCGATTTCCACC	66
FABP3		X51933	1	31,264,951	31,272,566	NM 004102	Hs.49881		FABP3			02	E	113.00			
FABP4		X89244	8	82,113,557	82,118,658	BG572115	Hs.83213		FABP4			14	D	14.95	GGAATGTGTCAATGAATGGTGTCT	GACAACCTATCCAGCAGAAAGT	62
FABP5		U55188	8	81,915,971	81,920,559	BF981201	Hs.153179		FABP5	8	413.29	14	D	14.95	GGGATGGAAAGGAAAGCACAAT	CTTGTTCATCTCCGACGATCTG	60
FACL4 (3)		AW461447	X	106,930,699	106,931,003				FACL4	X		X	C	7.81	ACGAACTTTTTGGCCACAC	GTAGGCTCAATAAAGGCAGTGC	60
FACL4 (5)		AW261146	X	106,909,647	107,001,700	BE875402	Hs.81452		FACL4	X		X	C	0.00	TTCCGAGTGCAAACTTAAACAC	AGATTGTGGCGTATTTGGGATT	56
FADS1		AW261157	11	61,817,988	61,818,318							29	A	314.79	TCATCGGCCACATGGTAACAAC	AACTCCAACCTCTAGGCTGCTC	56
FAM13A1		BF606170	4	90,040,290	90,425,328	BF365094	Hs.177664		KIAA0914	4	463.92	06	B	28.96	TCCTCAGTTCAGTGCTCTCT	CTGTGCTCTCCAGGAGCTG	60
FAM8A1		AW267149	6	17,663,125	17,674,488	BE620357	Hs.95260		FAM8A1			23	A	433.07	GCAGTTACCCGACGAGTGTATG	ACCCGATTTAAAGCAATCACTA	60
FANCC		U73585	9	91,160,471	91,379,118	NM 000136	Hs.37953		FANCC	9	306.94	08	D	13.11	CTTAGCAGTGAAGTGAACGCACG	TTCCAGAGACACAGCTGACCTT	60
FAT		AW356960	4	188,093,398	188,229,437	X87241	Hs.166994		FAT	4	683.27	27	A	38.92	TCCCCCAGAGTCAACAGC	TCCCCCTGGAGAGACAGC	66
FBXO32 (3)		AW463935	8	124,217,808	124,218,166							14	A	88.39	CTTCCTTCAAGGCGCCTACCT	TTGAGCACTTGTCTTCCTCA	60
FBXO32 (5)		AW466086	8	124,211,271	124,211,652							14	A	88.49	CGACGTGTTTGGGTTTAAAG	GATGACAGGTGAACAGATCCA	60
FBXO4		AW356505	5	41,925,497	41,941,811	NM 012176	Hs.49210		FBXO4	5	151.62	20	A	88.08	GGAAGAGATATGAGCAAGAG	ACAACCTTACACACCACTTCTG	60
FBXW7		BE477144	4	153,711,545	153,713,423							17	A	15.27	GCATCCATGTGGGTTGAG	TTCCCAAGCAAGAAATGT	53
FCGR2A		X75671	1	158,252,649	158,266,783	BE831856	Hs.78864		FCGR2A	1	576.12	03	A	0.00	CTCTGAATCTCTGAAGCTCTCTG	AGAGTCTTACTGATGAACGTGC	60
FDFT1		AW266916	8	11,567,492	11,567,741							08	A	29.17	CATTAGCTTTGACTGGCAACTC	CAGTGGACTTGAATGTAGCAGG	54
FDX1		D00471	11	110,334,614	110,369,550	BG436471	Hs.744		FDX1	11	369.11	15	B	65.12	AATTCTGACTTGAGGTTGGAGGATG	ATGCATGGATGTTGATCTGAAG	62
FECH		L34173	18	55,001,734	55,039,012	D00726	Hs.26		FECH	18	381.02	24	A	207.73	CCCTGGGTTTACTAGTTTGGGA	AACTCTTACACCCCTTGAC	60
FEZ1		AW345031	11	125,349,564	125,400,112	AW418709	Hs.79226		FEZ1	11	414.10	29	A	208.10	TCTGTCCCACCTAACCTTGGC	AAGGACCCCGCGGTTTG	56
FGB		BE217567	4	155,950,350	155,958,425	AV682856	Hs.7645		FGB	4	633.96	17	A	37.30	Dorrach et al. 2001		
FGF2		M13440	4	124,141,069	124,212,596	NM 002006	Hs.284244		FGF2	4	560.67	17	B	35.14	TGAGCTGTCTCAGTTTGGGTA	TCTGACCATGGAAGAAGTGC	53
FGG		BE217569	4	155,991,476	155,999,995	BG330880	Hs.75431		FGG	4	634.17	17	A	0.00	CCGCCTGACATATGCTTACTTC	ATCCACCAACCGATACCTACCT	60
FKBP9		U83072	7	55,456,517	55,488,695	AW009466	Hs.302749		FKBP9	7	263.07	04	C	15.47	TCAGGAACATATCTCAGGGCTAC	CCTGCTGACCTGTCATGTTA	60
FLJ00026		AW487143	9	356,238	455,252	AA621696	Hs.171118		FLJ00026	9	11,442	08	B	40.67	GACACTCCAGCACTGATG	GGTCCGAGAGAGAGAATAAAAG	55
FLJ10052		X15543	1	219,959,910	220,103,061	NM 017982	Hs.26244		FLJ10052	1	711.09	16	C	0.00	GTGCTGCCGAACATGGGACAGA	CATGCTTTCAGAGGAGCGGGT	60
FLJ10057		AW428588	7	99,596,044	99,624,026	BE938225	Hs.105191		FLJ10057			25	B	58.29	TGGGCTGGCTGGATAGATACTT	AGACTTGGATTCTATGGACCTCG	57
FLJ10079		AF026954	16	69,883,602	69,926,989	NM 017990	Hs.261215		FLJ10079	16	427.70	18	A	8.89	AGCTAAGTACGTTGCAACGGGAA	GCTTAACCTCAAGAGAGGGGAGG	64
FLJ10099		AW655549	7	65,820,947	65,821,351	BF337863	Hs.287955			7	381.13	25	A	154.83	CCCGTCTCAGGCACTTTGGAC	AACCAAGGAGGCTGAACCGTACAC	57
FLJ10305		AW660491	16	70,456,754	70,570,481	AW249366	Hs.5894		FLJ10305	16	426.03	18	A	6.81	GATGCTGCCCTACTCTCCAG	GGGTGACCAACTTTCATCAGG	58
FLJ10330		AW358002	1	108,332,942	108,342,413	AI679789	Hs.342307		FLJ10330			03	A	128.42	TTTCTCGACTCCCTGTCCCTT	GGACTAGAACGACAGACATAGCA	60
FLJ10357		AW426554	14	19,528,560	19,547,842	AK024463	Hs.22451		FLJ10357	14	9.20	10	A	123.59	GCCCTTCACTTCTTGCCACA	AAGGGCCAGAGAAGAGAACAG	60
FLJ10359		BF146287	1	233,010,554	233,036,197	BF514927	Hs.257300					28	A	46.01	Dorrach et al. 2001		
FLJ10420		AW418182	1	15,996,102	16,015,493	BL549495	Hs.289087		FLJ10420	1	58.89	02	E	182.09	TCITTGCTCAGGCGCCAGTG	TGCTCCTGCAAGGCAACG	60
FLJ10466		AW417159	6	52,345,341	52,356,444	AL582122	Hs.121073		FLJ10466	6	225.95	23	A	339.44	GGCGAAGTACTTCCGGAC	GCAGCGTTGCTCTCAGT	57
FLJ10853		AW428594	8	27,411,379	27,450,714	AL516649	Hs.72085		FLJ10853	8	105.82	08	A	95.21	ACITTCTGTCAGGTTTCCAAAG	GCTGTACCAAAAGGATCAGA	55
FLJ10856		AW447263	6	75,912,800	75,944,746	BG654670	Hs.108530		FLJ10856	6	322.81	09	A	87.22	GGTTGAGTAGAAGGCATTTGA	CACCTTGACTTCTCTTGGTTG	60
FLJ11100		AW465272	8	52,071,452	52,071,773	BI963051	Hs.38114		FLJ11100			04	E	11.99	AGAGAAGAAGCAGGAGGGAAGT	TCTCTGCTAATTGTGCGGGT	60
FLJ11126		AW314034	16	70,068,569	70,142,692	BI254242	Hs.289097		DDX19	16	414.31	18	A	4.29	GGTGGCTCTGCTGAGCGGTG	CGGTGCGCCCGATCCGGT	60
FLJ11164		AW353263	17	48,898,269	48,905,415	AV653956	Hs.8033		FLJ11164	17	351.58	19	C	56.48	GAGTGAAGGAGCCACCTTTC	CAACAGGCGCTGTGCTCTG	64
FLJ11218		BE217490	10	90,403,644	90,403,753							26	A	76.60	Dorrach et al. 2001		
FLJ1230		AW462096	4	6,710,544	6,712,114	BG654935	Hs.7570		FLJ1230	4	45.04	06	C	366.04	TGCGGGCTATGAGGAGATT	TGCTATGGCTCTGCGACACATT	56
FLJ12619		AW289414	6	24,767,633	24,781,942	N50863	Hs.173685		FLJ12619	6	97.46	23	A	406.64	GGAACCGGTGAAGCACTAAG	GCTGCAGAAACCAATATAGG	60
FLJ12666		AW289183	1	38,920,455	38,935,100	BE018542	Hs.23767		FLJ12666	1	118.68	03	B	98.73	TGGAAGGTACTGGCATATGT	TTGAGAGGTGGAAGTTAAG	56
FLJ13031		AW267034	10	33,189,173	33,189,252							12	D	0.00	CCACAATCTAATGTGCGCTGAC	GTGGACCTGCTAACATTCACCC	60
FLJ13052		BE217548	1	1,552,982	1,553,078							16	D	239.82	Dorrach et al. 2001		
FLJ13189		AW660211	6	71,968,155	71,968,614	AI000742	Hs.13299			6	310.09	09	A	1.89	GCCTGAACCATCACAAACGAG	TTTGCAACAAGGAAGATGG	52
FLJ13263		AW267099	10	81,983,217	81,983,339							28	A	121.27	TGTGCAGAACTGCTCCGAC	TTTCCCAAGGACAGCATACAG	60
FLJ13391		AW356401	2	75,677,152	75,816,416	N32071	Hs.334721		FLJ13391	2	222.62	11	A	310.92	GGACTTGTGGTTTCTCTTGA	TTAAGGTAAACCCCTGCTCTTC	60
FLJ13646		BE217471	2	27,808,047	27,808,283	BG772082	Hs.349331			2	97.79	11	B	53.77	Dorrach et al. 2001		
FLJ13910		AW289381	2	86,905,125	86,962,867	AW272887	Hs.75277		FLJ13910	2	304.34	11	A	314.89	ATGAGATCCCTGAACTACCAG	AGATGGCTCAGGATTGCATT	60
FLJ14075		AW266876	2	10,756,137	10,756,219							11	C	5.84	TCTACTGCGGTCAAAACTGATT	CCGAGAAACACCTCAGTATCCT	56
FLJ14146 (3)		BE217581	1	217,415,733	217,415,796							16	B	94.41	Dorrach et al. 2001		
FLJ14146 (5)		BE217574	1	217,415,368	217,415,592							16	B	107.08	Dorrach et al. 2001		
FLJ14360		AW964117	22	19,120,360	19,174,676	AW964117	Hs.347964		FLJ14360	22	17.11	17	C	118.11	TCCACGGCGGTGAGATCGTT	AGGTACGACCCGAGGCACAA	60
FLJ14957		BE217552	15	55,334,028	55,334,242							10	A	302.43	Dorrach et al. 2001		
FLJ20032		AW289290	4	106,550,118	106,551,959	AK027819	Hs.132826			4	508.00	06	A	26.14	CTTCACAAATTCGTGCCAGACT	CAAGCAACACTTCTCTCAGAA	60
FLJ20051		AW244894	5	53,151,139	53,576,928	NM 019087	Hs.152664		FLJ20051	5	272.50	20	A	76.04	CTCAGTCCAACTTTGTAAGAGC	TGCACCTTGACTTAATGAGG	56
FLJ20147		AF013092	10	115,805,292	115,808,175	BG388957	Hs.23984		FLJ20147	10	519.76	26	A	272.18	TTTGAATGAGAGCGCAGTG	GGCATTCCGTTTACGTTACAG	56
FLJ20160		AW659058	2	191,265,044	191,337,954	NM 017694	Hs.23412		FLJ20160	2	602.96	02	A	21.57	CCCTCTCAGGAACATGCAGC	TCTCTGTGCTTCCCAGTACTGG	58
FLJ20308		AW289330	17	18,029,491	18,056,321	AA642864	Hs.130740		FLJ20308	17	101.54	19	C	18.87	GAGCACACATATCAGGSCAAAG	CTTAGGAATGTTGCCAGCAGG	60
FLJ20522		AW653476	3	197,774,282	197,869,402	AW770653	Hs.35406			3	732.68	01	C	22.73	GCCGACTCTTAATTAAC	CCTCTGTATGTTTCTCT	50
FLJ20707		AW289256	14	89,913,999	89,966,865	BF969847	Hs.109441		MSTP033	14	241.69	21	B	198.94	CTGAGTCTCAACATGAGTCCGA	TTGGACCACACATTTGCCCTT	60
FLJ20920		AW477529	17	48,845,637	48,894,271	BE408939	Hs.288959		FLJ20920	17	347.15	19	C	55.59	TCTGCAAGATTGTGGGCT	TGAACCTGTGGGTTGTGTG	60
FLJ21820		AW267048	2	20,852,600	20,852,831							11	B	29.14	GGCTAACGAGAACACTGGGCAT	GGTCTCAGGGCTCTGAAGTACC	64
FLJ22490		AW417823	8	67,699,798	67,831,679	AI243780	Hs.153746		FLJ22490	8	358.28	14	C	0.00	TGGACCCCTGATGACATCATAG	AGCTGTCCACCATGAATCGCT	56
FLJ22678		AW477874	2	220,367,511	220,372,506	BI042822	Hs.7718		FLJ22678	2	715.68	02	E	20.83	TAGAGGAGCTCAACGCCGATA	GCAAGTCCAGCGTCTGATCCAT	62
FLJ22875		AW314155	15	61,943,662	61,965,116	AI031824	Hs.111222		FLJ22875	15	230.25	10	A	108.45	ATTGAATACATTTGGGCAC	TCTCAGGATT	

FOS	AF069515	14	73,735,572	73,738,973	BE840523	HS.25647	FOS	14	199.78	10	A	440.29	AGAGATTGCCAATCTGCTGAAG	TGGATGATGCTGGGAACATGTA	64
FOX12	AW267121	3	139,944,679	139,947,412	AA128030	HS.289292	FOX12	3	498.11	01	C	75.87	TCCTCCGGACACACACTACAA	GAAATGTGAAACCCGGCAGCAG	64
FOX01A	AW621146	13	40,066,453	40,177,404	AW950024	HS.170133	FOX01A	13	128.59	12	A	60.28	AGTGAACAATGGGCGTATGAG	GGTTTCAGAAACCCCTGGTCT	53
FOX03A	AW426785	6	108,881,168	109,002,084	AU134033	HS.14845	FOX03A	6	460.02	09	A	242.95	CTTGTCGAATTCGCTCAGCA	GTTTCGCACTGGTTGAGTACAAG	60
FRSB	AW416923	2	223,428,700	223,448,451				2		06	B	3.55	AACCAAGGCGCTCCACATAAGT	CATCTTCGGATTGGCAGCTA	60
FRZB	U24164	2	183,662,760	183,695,912	U24163	HS.153684	FRZB	2	587.21	02	B	93.76	ACATGTTGATACCGAGGCGCTCT	TGCTTGATTGCTCTGCCTGTTG	64
FSHB	M14853	11	30,292,604	30,294,719	AV754501	HS.36975	FSHB	11	113.44	15	C	133.92	GAGGTGGATTTCAGACGAGGTT	TGACTTGGTGGCTAGCATCTT	60
FSHR	L22319	2	49,147,361	49,339,329	M95489	HS.1428	FSHR	2	158.68	11	A	124.00	ACTGCCCAACCTTTTCATCCAA	TCAGCTCTCCATGGCATATTC	59
FURIN	X75956	15	88,999,079	89,013,920	X17094	HS.95242	PACE			21	A	67.10	AGAGACCGCTTTATCAAGA	GAAAGCTGCCCAAAGGTTTCAT	56
FUS	U26024	16	31,188,404	31,200,072	BE396789	HS.99969	FUS	16	192.97	25	A	141.81	ATCCGAGGGAGAGGCGGTACTA	AAACCCGTGGGTGATCAGGAGG	64
FUSIP1	AW267128	1	23,351,599	23,367,713	AA642812	HS.288038	FUSIP1	1	83.60	02	E	152.37	CACATATACACAGAACTGTCCC	AGGCACACAGAGAGCTGTTAAT	80
FXR1	AW266899	3	182,032,489	182,096,968	BI256504	HS.82712	FXR1	3	680.84	01	C	28.38	GGCCCATCTGATAATATATAAC	AGAATATGGAATGCCAGTCTTT	50
FXYD5	AW289186	19	40,321,620	40,336,834	BF829581	HS.333418	FXYD5	19	216.04	18	B	69.23	TCCTCTCTCTCAGGCTGGGCTT	GGGCTGATGATCTAATGGGCAC	60
FZD4	BE217506	11	86,879,419	86,889,130	AI347316	HS.19545	FZD4	11	301.88	29	A	84.82	Dorroch et al. 2001		
FZD5	AW462410	2	208,594,740	208,598,166	NM_003468	HS.152251	FZD5			02	D	40.05	ATGAAGCAGCAGCAGACACCACA	GCTTTACAACAAGGTGCGGGA	60
FZD8	AW312227	10	36,077,416	36,080,601	AA954590	HS.302634	FZD8	10	196.54	13	A	34.76	GATGAGCGCGACCTTAACG	CCCGATTACTTACTTGGGCTGT	60
GABRA1	X05717	5	161,209,948	161,261,955	AI4766	HS.45740	GABRA1	5	608.88	07	B	119.50	ATTCTGTTGCTCAGTCTCTTCG	AGAAATCCCGCTCTCAGCTGTAA	60
GABRA2	X12361	4	46,101,629	46,242,344	SE62907	HS.91343	GABRA2			06	C	7.66	AGACCTCTAATGAGAGACGCA	CCTAGGCATCCGAACATCTTG	60
GABRA3	X12362	X	149,084,640	149,367,933	NM_000808	HS.123024	GABRA3			X	B	10.65	GTAGATAGTGTGCGGCGCTGCA	AGTCATGGCGTGGTAAGAGGGT	
GADD45B	AW289340	19	2,416,125	2,418,255	AW168655	HS.110571	GADD45B	19	23.39	07	A	98.00	ATGAGTTTGCAAGCTGGGAG	TTTGAGACCGGAGCTGACAT	60
GAF1	AW327157	2	73,258,220	73,297,854	AL042983	HS.24557	KIA00857			11	A	61.73	CAGTTGAGGAGGGGCTTAGGAT	GATGAATGGGAGGGCAGAA	
GAL	S68957	11	68,701,883	68,702,486				11	262.76	29	A	419.00	CTTCCCTTGAGATGCCAGAG	CCGACTTGCTGCTGATCGCGGT	64
GALNS	AW668810	16	88,583,511	88,626,708	BG111081	HS.159479	GALNS	16	488.39	18	A	145.82	ATCCGTGAGCTGGACGATAG	GCACCAATGTGACAGCTGTAA	62
GALNT2	AW64595	1	226,676,144	226,691,134	BE206430	HS.130181	GALNT2	1	735.17	28	A	0.00	TGACACAGTGTGCCAAAGTGAC	CTTTTGCTCAAAGGGCGCTCTA	
GAS7	AW426868	17	9,757,107	9,757,488	AW139607	HS.226133	GAS7	17	60.12	19	C	29.85	AGACAGGAGCAGCATCAGCAA	ATGAGGAATGCTGGAGGAGA	60
GATA4	AW357965	8	11,405,502	11,488,543	BG201823	HS.243987	GATA4	8	35.87	08	A	42.64	TCTCTCTGCTCTGAAGCTC	GTGACTGTGACTGTAAGGCCA	60
GBAS	AW418045	7	55,740,033	55,775,620	W44610	HS.152707	GBAS	7	264.86	25	A	118.97	GATTGTAGTCTCGGAAACATC	CCATGGTTAGAGTCTTACTTGG	56
GBP1	AW289360	1	88,854,643	88,867,681	T28184	HS.62661	GBP1	1	247.62	03	A	142.09	TACACAGTAAGCACTGCCATC	TGCACAAGAGGTTGGGAAGAAG	58
GC20	AW289354	3	40,164,406	40,167,131	AL532787	HS.21756	GC20	3	137.41	22	A	87.46	GTAATCATGCAAGGTGTGAATGG	TCAGGAGGAACACGCTTAAGGT	58
GCA	AW357438	2	163,164,650	163,181,654	BG431919	HS.93381	GCA	2	542.95	02	B	42.65	CGCTCGACCTGCACCTAGAGC	AAATTTCCAAACCCCTCCGATATCC	
GCNT1	U41320	9	72,644,262	72,692,449	NM_001490	HS.159642	GCNT1	9	267.39	08	B	119.24	CTGCAGAGCGAAGTCACTTAGA	TATACAGCTGGATAGCAGGGTG	50
GD11	D90103	X	151,251,213	151,257,513	X79353	HS.74576	GD11	X	350.94	X	B	132.56	CTCTACGATGCCACCACA	GTCAGCCATCACTGGTCAGC	65
GENX-3414	BE217509	4	77,624,230	77,624,405						06	C	312.38	Dorroch et al. 2001		
GFP12	AW485992	5	179,792,008	179,844,697	AK001242	HS.30332	GFP12	5	650.30	07	A	17.44	CACCACTCAGTTTCACTCTCTTG	TTGAGGCCATGGATGATCTC	60
GGCX	M81593	2	85,733,916	85,746,343	MB1592	HS.77719	GGCX	2	295.45	11	A	327.53	TCTAATCCTAACCCCTCCTGAGC	GTCCACTGCCTATGTAATGGTC	60
GRHRH	AF077300	7	30,717,772	30,717,022	AC005155	HS.74602	AQP1	7	152.14	04	C	16.56	AGGTGGCTGCTGCTGGGTTTCT	AGCAAAAGTGGGACGAGGAGA	
GLOT-3	AW289331	7	6,440,431	6,456,942	AU131235	HS.102397	GLOT-3	7	41.60	25	B	74.68	CCCTTGCTCTGAATCCCTCAT	TAGGCCACATGACATGCTGACA	60
GJA1	J05535	6	121,691,924	121,706,008	M65188	HS.74471	GJA1			09	A	144.12	ATTGAGAGTGTGATCTCAACAG	ACCAACATGTACCTCCCTCATC	
GLCE	AF003927	15	67,127,069	67,143,444	AB020643	HS.183006	KIA00836			10	A	79.61	ATGCACATCAAGAGCGAGGTGG	CGTTCCGGCTGCTGATACAACA	64
GLG1	U83082	16	74,224,531	74,379,801	BG290232	HS.78979	GLG1	16	441.43	18	A	8.89	Ma et al., 1998		
GLO1	BE217543	6	38,645,093	38,645,288	BG163474	HS.75207	GLO1	6	132.04	23	A	76.18	Dorroch et al. 2001		
GLTSCR2	BF440193	19	52,924,829	52,950,167	AW249665	HS.326588	GLTSCR2			18	C	79.17	GTCAGGAGGTGCTTTATTGTGG	CAGAGGAGGAACATGATCGAAC	
GLYAT	AF022073	11	58,727,997	58,750,330	BG433272	HS.18508	GLYAT	11	218.92	15	C	233.27	GGGCGGGAAGGAAGAATGAATC	GGGTTGGAATGTGGAGGAAGCA	66
GMFG	AW358431	19	44,495,049	44,502,775	BF974742	HS.5210	GMFG	19	238.63	18	C	0.00	CCCAGAGCTAAAGGAAAGAGC	AAATTTCTTCTCCAGCACCA	58
GMPPA	AW437835	2	220,327,611	220,335,729	NM_013335	HS.27059	GMPPA	10	573.42	02	E	26.39	CTGCGGAGGCTAGGATTTATT	TGAGCACCAGTACTGACGACAA	56
GMPR	AW357830	6	16,301,257	16,358,317	BG703747	HS.1435	GMPR	6	60.10	23	A	445.63	TTTTCGGAGCTCACACTTG	ATCATTITGCATCTGCTG	50
GNAI1	X03642	7	79,362,390	79,446,974	AF055013	HS.203862	GNAI1	7	447.23	04	B	21.27	CTAGAGTCTTGACGCAACACAG	CGTACACTAGACGCCAGCTTTA	
GNAI2	X02440	3	50,083,481	50,149,443	AC002077	HS.51147	GNAI2	3	160.43	22	C	42.65	TGACAGCCCTTGACACCTTGATG	GGCAGAAAGGAGGCGAGGATG	60
GNAS (5)	X03404	20	58,053,205	58,124,655	BC002722	HS.273385	GNAS1	20	336.89	13	A	115.30	TGCTCTAAGAAGGGAACCTCCA	CTTGAGGGAAGGAAGAGGTGCG	60
GNAS1 (3)	U77614	20	58,053,213	58,113,530	AL514266	HS.113368	NESP55	20	336.90	02	C	6.97			
GNB1 (3)	AW464845	1	1,587,789	1,590,970	AW966554	HS.215595	GNB1	1	15.89	13	B	13.80	GTACCAGATAATCCACCAGG	GCTGTGTGTAATACTGCTCC	50
GNB1 (5)	X03073	1	1,585,750	1,691,576	BC008991	HS.215595	GNB1	1	15.89	16	D	233.93	TCTGGTGTGGCCTCTCTGAGAT	CGCGTGTGCTTCTTGACTTCC	60
GNB2	M16480	7	99,868,756	99,874,386	BC010073	HS.91299	GNB2	7	511.35	25	B	62.07	CATGCCCGCTCTTGACTTG	CCATGCCATCGTCACTGACTC	54
GNGT2	U20085	17	47,625,676	47,628,822	AF365870	HS.181781	GNGT2	17	339.73	19	C	58.02	GCAGGGAAGCAGCTGGATGTT	GGGAGAGAAGAGTTACAGATGG	64
GNI1	AW428576	5	141,363,385	141,375,767	AF029914	HS.278500	GNI1	5	528.27	07	A	283.23	CTGAGGCAAGGCTCTGAAAGAT	ACACATGAAGAGGTTCCACAGG	61
GNRHR	AF034950	4	68,542,807	68,559,565	NM_000406	HS.73064	GNRHR	4	401.09	06	C	173.08	GAAAGTGCATCAGCCATAAAGG	TGTAGAGAGGATGCTGCTTGTG	67
GOLGA4	AW358332	3	37,097,953	37,221,509	BG708062	HS.183773	GOLGA4	3	125.67	22	A	81.48	TCTGTGGTGTGAGGAAGCCT	GCTGCTCCTCACTGATCTTT	60
GOLGA5	AW655477	14	91,250,635	91,296,327	NM_005113	HS.241572	GOLGA5			21	B	213.69	CAACAGCAGTCACTCCGAGT	CCAGCTGGAAGACGACGAGAT	55
GORASP2	AW261178	2	171,787,036	171,787,348	BG623498	HS.6880	DKFZP434D156	2	564.61	03	A	78.34	TGTCTGAGTACTTCTGAGAGC	TTTGGTCTCTGTGACTCAGAT	
GOT1	X86020	10	101,287,854	101,322,450	M37400	HS.1697	GOT1	10	458.27	26	A	155.42	AAACAGCACTCAACACGACACC	GCAGTACTCTGATTCCAGCGA	
GPI	AW337116	19	39,531,954	39,567,981	AL543228	HS.1631	GPI	19	213.99	18	B	59.80	CACGCCCTTCTACCACTCAT	TCCTTGATGCAAAACCGTTG	58
GPR10	AW327236	10	120,484,870	120,485,982	NM_004248	HS.248119	GPR10	4	29.92	26	A	296.77	GGACAGCCAGGATTTTACCTCTC	TGCCACACCCGCTCTCTGAG	60
GPX3	AW266929	5	150,383,077	150,391,707	AI825971	HS.336920	GPX3	5	580.51	07	B	30.80	AGGGGTGATGTCATGCCAGTG	CCAAGGCAGATGTGAGACGAGG	52
GRB2	AW289356	17	73,779,704	73,865,929	BE907277	HS.296381	GRB2	17	478.31	19	D	49.00	GTGATGCATGATGAGCAGACA	GCTCAGTTTGGTTGGAAGT	66
GRP	U78858	18	56,672,374	56,682,974	AA707890	HS.1473	GRP	18	404.97	24	A	213.80	CCAGCTGAACTGACAACTGACGA	GATCCAGTAGAAGTATGCCCCA	60
GRP58	D16235	15	41,617,728	41,642,881	BC014433	HS.289101	GRP58	5	582.52	21	B	207.61	GGAATCTTAAGGAGCAGCCAA	ATAACCATCTGCCCTCTGAGC	64
GSTA2	AW267033	6	52,605,581	52,763,078	AL545892	HS.89552	GSTA2	6	199.71	23	A	339.44	GGTCTGAAACACATCTAGGAG	ATGTAGATCTTGGCTGTGTGG	55
GTF2B	U83023	1	88,655,255	88,693,939	BF439702	HS.25861	GTF2B	1	247.54	03	A	142.09	Ma et al., 1998		
GTF2I	AW289229	7	73,470,325	73,573,309	AI955107	HS.278589	GTF2I	7	424.40	25	B	2.94	CTATGCCATCACATACTCTAGC	GCCATCTGTAGGAGAATCTT	56
GTF3C1	AW480886	16	27,399,193	27,488,532	BF569862	HS.331	GTF3C1	16	216.57	25	A	130.49			
GUCA1A	X95352	6	42,142,568	42,157,876	NM_000409	HS.92585	GUCA1A	6	154.81	23	A	280.18	AATGGAGAGCAGGATGAGGAGG	CAACAGTGAACAGCAGGCAC	52
GUCA1B	L43001	6	42,147,432	42,164,069	W27113	HS.284258	GUCA1B			23	A	276.63	AGACTCCAGGCTCACCAGGTTT	CCCTGTGGCCATGTGACACT	52
GUCY1A3	AW659606	4	157,100,884	157,109,433						17	B	111.94			
GUCY2C	AF081464	12	14,665,837	14,749,786	NM_004963	HS.1085	GUCY2C	12	66.03	05	A	365.73	AAGAGCTAAGGACTCAGGCAAG	GTACGTGATTACCGGAAGCAAG	66
GUK1	X67029</														

HEXB	AW289200	5	74,052,392	74,052,866						20	A	29.86	AGGCCAGCATTTGCTGAATGTC	TGCTAAGCGTGCTCCCAAGATA	60	
HGRG8	AW465429	1	28,568,422	28,601,437	AF155095	Hs.20993	HGRG8	14		85.57	02	E	113.00	TAAGAGCTACTCCGAGGACGAT	GTTTCATGGAGCGATAAGCAG	62
HIBCH	BF440304	2	191,033,384	191,148,604	AA243331	Hs.236642	HIBCH				02	A	63.43	AACCATTTCTTAGCTGAGCGA	TGGAACCAGCTGACCTAAA	
HIF1A	AW267005	14	60,152,286	60,205,012	BG501364	Hs.197540	HIF1A	14	143.54	10	A		368.71	ACAGGGTGGGCAAGCAATTTAG	TTTCTGTAGTCACTTTGCCAGC	60
HLCS	AW354578	21	37,043,888	37,273,323	N26429	Hs.79375	HLCS	21	181.20	01	C		129.21	TGAGCAGTGGCTGCGTTTAT	AACAGCTTTCTCTCCGTGAATC	60
HMBG2	AW481294	4	174,837,773	174,838,785	BG107198	Hs.80684	HMBG2	16	193.96	04	A		58.37	GCGAAGACATGGCAAAAAGTG	GGAAGAAGGCAGATGGAGG	55
HNRPA0	AW289339	5	137,119,027	137,120,902	AW470286	Hs.77492	HNRPA0	5	520.61	07	A		263.63	GACCTTAAGATAACCACTACACG	CATATCAACGACTGCCCTTTC	60
HNRPA8	AW266855	5	177,699,757	177,706,430	AI160009	Hs.81361	HNRPA8	5	645.95	07	A		182.91	TAGCTTCAATATCCAGGTCGTG	TATTTGTGTACATACATCTTA	52
HOP	AW289223	4	57,364,087	57,397,960	N34760	Hs.13775	HOP	4	344.88	06	C		163.58	GCGTGAAGTCTTTCCAAAGT	TGACCATCACCTCCCAAGTA	60
HOXA4	AW696977	7	26,876,282	26,878,671	BF939880	Hs.77637	HOXA4	7	115.84	04	B		104.41	GCAGGCTCTTGAGAGCTGGAGAAAG	TGGAGGATCGCATCTTAGTGTGGG	60
HOXA9	AW316387	7	26,910,330	26,918,389	AA496921	Hs.127428	HOXA9	7	115.64	04	B		98.40	ATGCTCTCTAGCCTATCTCTGT	GCTCCAATTTCTCACTGT	60
HP	AW425736	16	71,824,000	71,846,648	BG618781	Hs.75990	HP	16	428.71	18	B		9.24	GACCAGGTGCAGAGGATCA	GTGAGGAGCCATCGTTCATT	60
HPRT1	AW266966	X	131,599,192	131,599,768	AI886346	Hs.82314	HPRT1	X	317.61	X	A		39.14	CTACTGAACACTGGCGGGAC	TACTGCTATGTGCTTAGG	56
HRASLS3	AW478792	11	63,592,987	63,632,908	BF435002	Hs.37189	HREV107	11	232.56	29	A		395.95	GGTAGCAGCAACAACAACCTG	ACTCGTGAACGACTTACTCG	60
HRB	AW427271	2	228,300,887	228,385,350	AI216150	Hs.171545	HRB	2	703.84	02	E		101.92	TCTTGAAGCATCTGCTGTCCA	AGAGGCATAGTTTCAGAAAGG	60
HRC	AW425673	19	54,330,479	54,334,685	NM_002152	Hs.1480	HRC	19	268.21	18	C		135.04	GAGGAGAAGCATGGGAGAGCA	CTTGGTACAGGGACGAGGAG	60
HRH1	D10197	3	11,286,246	11,296,261	NM_000861	Hs.1570	HRH1	3	57.41	22	C		9.32	GGGAGTTTGGAAAGGTTCTGTAGG	TGAAGAAGGCTCCAGAGTCCAC	65
HRHFB2122	AW463030	22	36,413,032	36,413,528	BG222559	Hs.40342	HRHFB2122	22	123.98	05	A		366.35	CTTCCTACCCCTACCTCCCACTA	CTCTGTCCATCTGTCCCTCTGT	60
HSAG761	AW289315	5	61,654,877	61,670,291	BG178374	Hs.125819	HSAG761	5	300.37	20	A		43.70	GTAAGTTTGTGCGTATCTGCG	TCAGTTCTAAGTGTCCAAAGG	53
HSD11B2	AW669834	16	67,200,037	67,206,918	R73741	Hs.1376	HSD11B2	16	408.73	18	B		11.60	AGGTGAAGGCTTTCCAGTGAAC	CCCTTCAAATCACAGCACTGAG	66
HSKM-B	AW632140	1	211,070,663	211,126,688	AF226053	Hs.66170	HSKM-B	1	700.17	16	D		194.55	AGGAGAAGATGAGCTGCGTGTTC	CAAGCAGACACCCATGGC	60
HSPA8	U83038	11	122,962,114	122,966,757	AI829552	Hs.180414	HSPA8	11	410.20	15	B		167.25	Ma et al., 1998		
HSPC148	AW267066	11	94,880,814	94,891,265	AI038294	Hs.42743	HSPC148	11	320.55	15	B		0.00	GGGACACAGATTTGGCTATTTG	GGTTTAACCCAGTTTCCATCTC	60
HSPC230	AW480829	6	107,349,547	107,372,676	AI672676	Hs.36069	HSPC230	6	459.92	09	A		252.39	CGAGGGACACCTTCACATAA	CTGGGAGTCTCAGTGAGAAA	60
HSU53209	AW289294	7	23,273,805	23,274,348							04	B	11.42	AGTGATATCCCATACAAGCAGTC	GGCACTGTTACTTGGCATT	60
HUJ246	HUJ246										03	A	142.09	Kappes et al. 1997		
HUJ614	HUJ614										16	A	88.60	Kappes et al. 1997		
HUJ625	HUJ625										16	D	125.45	Kappes et al. 1997		
HUJ113	HUJ113										27	B	38.18	Barendse et al. 1997		
HUJ1177	HUJ1177										03	B	11.97	Kappes et al. 1997		
HUJ175	HUJ175										22	A	172.05	Kappes et al. 1997		
HUJVI74	HUJVI74										11	C	0.00	Kappes et al. 1997		
HYOU1	U83019	11	118,948,813	118,961,825	BF802175	Hs.277704	ORP150	11	384.21	15	B		128.29	Ma et al., 1998		
HYPK	AW483025	15	41,671,759	41,673,925	BE279873	Hs.300954	HYPK	15	160.02	21	B		207.71	AGGAACCTGGCAAAAAGTCACC	GGCAATAAGAGCTTCCACCA	60
IBSP	S73144	4	89,113,522	89,125,854	NM_004967	Hs.121552	IBSP	4	457.02	06	B		8.30	AGCTACTATAAAGGGCGTGG	CCAGAATGGGTGAACATCATC	64
IBTK	AW431964	6	82,829,857	82,907,627	AL050018	Hs.7387	IBTK	6	368.22	09	A		172.85	GTGAGGCTTAATGTTTCTGGG	ACAAGTTTCTGCTTTGGG	54
ICAM3	L41844	19	10,289,663	10,295,546	S50015	Hs.99995	ICAM3	19	67.92	07	A		119.51	CATGACATTTACCACCTGACG	TTGAAGATAGGTACAGGCAAGC	64
ICSBP1	BF440358	16	85,696,038	85,696,380							18	A	92.92	CTCTAAGCTTCTGGCAACA	ACACTTGGATACCAAGCTTACCT	
ICT1	AW267027	17	73,472,927	73,481,513	BE791064	Hs.9078	ICT1	17	475.50	19	D		43.90	CAGGACATGCATAAGCAAGGTG	AAACTCTGCCATCAAGACGAGC	60
IDH1	AW347875	2	209,064,977	209,083,854	BI859999	Hs.11223	IDH1	2	645.51	02	D		47.29	GTCGGAAGACAGTAGAAGCAGA	AGCAATGGGATGGTGCATG	60
IDH3A	U07980	15	76,017,596	76,038,810	U07681	Hs.250616	IDH3A	15	272.24	21	B		71.81	GTATCTGATCAGTCACTCCTA	CCTCTCATGCTATTGCGCAAC	64
IDH3B	AW289392	20	2,587,041	2,592,843	AI830198	Hs.155410	IDH3B	20	13.43	13	A		98.47	AAGTCTTGGCAGGTGGCATAAC	CCAACCTCACAAAGGACCATACA	60
IDVGA02	IDVGA02										02	E	200.35	Barendse et al. 1997		
IDVGA03	IDVGA03										11	B	22.31	Barendse et al. 1997		
IDVGA09	IDVGA09										05	A	435.89	Barendse et al. 1997		
IDVGA11	IDVGA11										08	A	68.14	Barendse et al. 1997		
IDVGA27	IDVGA27										03	B	121.53	Barendse et al. 1997		
IDVGA30	IDVGA30										21	B	223.74	Kappes et al. 1997		
IDVGA31	IDVGA31										18	A	13.49	Kappes et al. 1997		
IDVGA32	IDVGA32										15	C	107.65	Barendse et al. 1997		
IDVGA35	IDVGA35										03	B	90.07	Barendse et al. 1997		
IDVGA37	IDVGA37										02	E	145.22	Barendse et al. 1997		
IDVGA39	IDVGA39										21	B	216.17	Kappes et al. 1997		
IDVGA40	IDVGA40										17	B	136.90	Kappes et al. 1997		
IDVGA43	IDVGA43										28	A	91.38	Barendse et al. 1997		
IDVGA47	IDVGA47										19	C	105.53	Yang and Womack 1998		
IDVGA49	IDVGA49										16	D	224.80	Kappes et al. 1997		
IDVGA51	IDVGA51										04	E	106.37	Kappes et al. 1997		
IDVGA55	IDVGA55										18	C	75.30	Kappes et al. 1997		
IDVGA57	IDVGA57										12	A	69.43	Barendse et al. 1997		
IDVGA76	IDVGA76										14	A	58.08	Barendse et al. 1997		
IF	BE217562	4	111,055,057	111,116,510	AW362880	Hs.36602	IF				06	A	0.00	Dorrock et al. 2001		
IFNAR1	BE217555	21	33,617,604	33,649,251	BE086659	Hs.1513	IFNAR1	21	152.54	01	A		26.58	Dorrock et al. 2001		
IFNG	Z54144	12	68,265,296	68,270,250	AI769523	Hs.856	IFNG				05	A	215.79	ATCATAACACAGGAGCTACC	ATCCATGCTCCTTTGAATGACC	57
IFNGR2	AW289292	21	33,741,847	33,742,405	AA653705	Hs.9042	IFNGR2	21	149.49	01	A		25.61	AGACAAAGGACAGCATTTCCAC	GATTTCAAAGGAGAGCTGGGT	60
IGF1	I15726	12	102,722,624	102,807,370	X00173	Hs.85112	IGF1	12	398.70	05	A		326.80	GCTTGGATGGACCATTTG	CAGTTGAGGGGCAATGATT	58
IGF1R	U33122	15	96,785,508	97,094,240	BG002554	Hs.239176	IGF1R	15	335.04	21	A		15.87	CGTGTGGGTGCATTTCTGTAC	GCCTCAGCTCCTTATTCATAT	56
IGF2R	J03527	6	160,223,559	160,367,967	Y00285	Hs.76473	IGF2R	6	620.61	09	B		87.71	TCAGCACCTTCCACGACGACG	CCCACCACCAACACTTTCCT	60
IGFBP3	M76478	7	45,658,729	45,667,651	AL551293	Hs.77326	IGFBP3	7	216.73	04	D		8.60	CAAGGACATGATCAGCAGCTGG	CTGCACCGTCTTGTAGCTTACA	60
IGFBP4	S52770	17	38,508,474	38,522,740	M62403	Hs.1516	IGFBP4	17	314.33	19	C		59.88	CCTTCAGCCCTTCAGCCATCTA	ATTGGGTTCTAGCTGGGTCTCT	64
IGFBP6	AW464540	12	53,208,227	53,211,389	AA675895	Hs.274313	IGFBP6	12	228.68	15	C		18.03	GTCTACCTGTCCATGTCTGACT	AGTCTCTCAGCATGTTCCCT	60
IL12A	U14416	3	160,988,244	160,995,420	AF101062	Hs.673	IL12A	3	588.49	01	C		59.38	AAAGTCAAGCTCTGCATCTC	GTTATGAGAGCCTCAGCATTC	60
IL12B	U11815	5	158,677,334	158,693,024	AF180563	Hs.674	IL12B	5	591.56	07	B		103.20	AAGTCACATGCCCAAGGAT	CTCTGAGGTTTCTACTAGGAT	60
IL13RA1	AW464322	X	115,836,971	115,914,539	BG109944	Hs.285115	IL13RA1	X	296.48	X	A		0.00	CTGGAAGACAGCATGGATGTT	GGTGAGGCAATTTAGGTGTTGTG	60
IL1A	M36182	2	113,438,308	113,449,786	BE618992	Hs.1722	IL1A	2	409.77	11	A		331.68	CCCTCGATCACTGACTTTTCTAGA	CACATGCTCAGCGAGTGACTAA	60
IL1B	X12498	2	113,494,152	113,501,199	BG252897	Hs.126256	IL1B	2	411.22	11	A		310.92	CCTAAGAAGAGCATACCCAGG	ACAACAGTGAAGTTACAGGCTGC	60
IL1RN	AB005148	2	113,782,285	113,798,407	BI489807	Hs.81134	IL1RN	2	411.22	11	A		336.58	TACAAGAGCCCTGCCAACAAGA	TGAGAAAGGAGGCAGAACTGGA	66
IL2	M12791	4	123,765,834	123,771,086	AL037259	Hs.89679	IL2				17	B	43.36	CCTCAACTCCTGCCACAATGTA	CCAGCAGCAATGACTTCACTTC	56
IL3	L31893	5	131,427,210	131,429,759	M20137	Hs.694	IL3	5	509.45	07	A		107.96	AACATCTGAAGTCTGAAGCCCA	TTGTCCAGAGGAGGAGCAACAT	52
IL4	M77120	5	132,040,236	132,049,231	AW953230	Hs.73917	IL4				07	A	104.61	Kappes et al. 1997		
IL4R	AW632669	16	27,252,502	27,303,356	AL578358	Hs.75545	IL4R	16	216.15	25	A		123.55			
IL7	J04156	8	79,311,167	79,440,944	J04156	Hs.72927	IL7	8	400.17	14	D		16.43	CATAAAGGAGTCCAAGGTAACG	TATGGTTTAGCATCCTTAGAGC	56
IL8RB	U19947															

ILSTS027	ILSTS027															15	C	153.89	Kappes et al. 1997			
ILSTS033	ILSTS033															12	D	22.31	Kappes et al. 1997			
ILSTS036	ILSTS036															11	A	334.10	Kappes et al. 1997			
ILSTS039	ILSTS039															14	A	22.89	Barendse et al. 1997			
ILSTS042	ILSTS042															05	A	16.37	Barendse et al. 1997			
ILSTS044	ILSTS044															03	B	8.29	Barendse et al. 1997			
ILSTS046	ILSTS046															25	A	111.88	Kappes et al. 1997			
ILSTS054	ILSTS054															21	B	214.00	Kappes et al. 1997			
ILSTS059	ILSTS059															13	A	43.73	Kappes et al. 1997			
ILSTS061	ILSTS061															15	C	150.53	Kappes et al. 1997			
ILSTS066	ILSTS066															05	A	308.84	Kappes et al. 1997			
ILSTS071	ILSTS071															11	C	43.55	Kappes et al. 1997			
ILSTS081	ILSTS081															29	A	418.80	Kappes et al. 1997			
ILSTS082	ILSTS082															02	C	8.99	Kappes et al. 1997			
ILSTS085	ILSTS085															20	A	32.41	Kappes et al. 1997			
ILSTS086	ILSTS086															13	A	54.61	Kappes et al. 1997			
ILSTS089	ILSTS089															29	A	146.95	Kappes et al. 1997			
ILSTS090	ILSTS090															06	A	13.93	Kappes et al. 1997			
ILSTS092	ILSTS092															21	B	186.92	Kappes et al. 1997			
ILSTS093	ILSTS093															06	A	29.68	Kappes et al. 1997			
ILSTS094	ILSTS094															10	A	120.98	Barendse et al. 1997			
ILSTS096	ILSTS096															03	A	38.02	Kappes et al. 1997			
ILSTS099	ILSTS099															28	A	148.39	Kappes et al. 1997			
ILSTS100	ILSTS100															11	A	310.92	Kappes et al. 1997			
ILSTS101	ILSTS101															24	A	132.29	Kappes et al. 1997			
ILSTS102	ILSTS102															25	A	0.00	Kappes et al. 1997			
ILSTS103	ILSTS103															21	B	60.83	Kappes et al. 1997			
IMPA1	J05394	8	82,293,375	82,321,746	AF042729	Hs.171776				IMPA1	8	413.29	14	F	20.19	GCAGAAAGGATAGCCAAAGA	GAGAGACGCCAAGTGTGATTGA				60	
IMPA2	AW461449	18	11,971,026	12,020,878	AI624316	Hs.5753				IMPA2	18	81.44	24	A	168.06	TGAGGGAAACATAAGCAGAG	CTCAGGTGATAAGGCTTTAG				56	
INHBB	AW669304	2	121,009,813	121,015,788	NM_002193	Hs.1735				INHBB	2	436.11	02	C	6.33	CCATCCCGTTGTATCCAGAAAGTGCC	GAGTCAGATTACATCTAGTGTGGGTCAAC				64	
INPP1	AW353074	2	191,172,219	191,200,413	AI634687	Hs.32309				INPP1	2	607.50	02	A	111.51	TGCTCCGAGTCTCTGAGAAA	GCCAGGCTCTTGAATCAAC				55	
INPP5A	AW427760	10	134,228,574	134,474,200	AW949072	Hs.124029				INPP5A	10	559.71	26	A	333.22	AGCTCGGGTGATCCTTTCAA	CGGTTTCTACAGAAGCAGACT				55	
INRA003	INRA003															03	A	138.49	Kappes et al. 1997			
INRA005	INRA005															12	D	4.87	Kappes et al. 1997			
INRA006	INRA006															03	A	10.94	Kappes et al. 1997			
INRA011	INRA011															01	C	0.00	Kappes et al. 1997			
INRA016	INRA016															27	A	54.13	Vaiman et al. 1994			
INRA027	INRA027															27	B	36.31	Kappes et al. 1997			
INRA030	INRA030															X	D	26.84	Kappes et al. 1997			
INRA053	INRA053															07	C	64.71	Kappes et al. 1997			
INRA071	INRA071															10	A	341.75	Kappes et al. 1997			
INRA081	INRA081															26	A	182.59	Kappes et al. 1997			
INRA121	INRA121															18	A	194.25	Kappes et al. 1997			
INRA129	INRA129															08	B	90.62	Kappes et al. 1997			
INRA134	INRA134															27	B	35.99	Kappes et al. 1997			
INRA144	INRA144															09	B	46.02	Kappes et al. 1997			
INRA177	INRA177															11	A	151.68	Kappes et al. 1997			
INRA192	INRA192															07	B	86.60	Kappes et al. 1997			
INRA193	INRA193															17	A	132.41	Kappes et al. 1997			
INRA194	INRA194															22	A	100.58	Kappes et al. 1997			
INRA196	INRA196															13	A	261.54	Kappes et al. 1997			
INRA201	INRA201															28	A	4.29	Ferretti et al. 1997			
INRABERN191	INRABERN191															27	A	48.25	Barendse et al. 1997			
INSL3	AF094580	19	17,772,533	17,777,531	BI828546	Hs.37062				INSL3	19	97.17	07	A	37.86	CACAGGAGTCCAGTTTGGTGAA	ACAAGAAGGGTGTCAAAGGCAG				66	
IOBT528	IOBT528															23	A	43.24	Barendse et al. 1997			
IPO9	AW609435	1	198,264,793	198,313,571	AK027532	Hs.7579				FLJ10402	1	670.74	16	D	150.67	CTCTACTTCCTCTGTGTAATGT	CCCATTTGTTGGAACACC				60	
IRF1	AW289222	5	131,849,643	131,857,353	BE737486	Hs.80645				IRF1	5	510.63	07	A	165.79	GGGTACACAGAGTAGTCATCAT	ATGTGCTAGGACCCATACAGAG					
IRF3	AW445418	19	54,838,850	54,845,135	BG755611	Hs.75254				IRF3	19	272.79	18	C	183.64	CGGTGACAGACTACGTGCAG	ACACCTCTCCCTGTCCCT					
ITGA2	L25886	5	52,255,782	52,358,715	NM_002203	Hs.271986				ITGA2	5	287.49	20	A	72.82	ACCGACTGGAGTATAGTAGGA	CAGCTTTGAGTTCTGTGGTCT				58	
ITGA7	AW446663	12	55,795,103	55,818,429	AL046489	Hs.74369				ITGA7	12	242.38	05	A	302.83	GTGCCTGCTGATGAGAA	TAAAGTAGAGGTAGAAGG				56	
ITGB2	Y12672	21	45,162,513	45,205,395	AI552823	Hs.83968				ITGB2	21	245.51	01	C	129.99	CTTGATGTCATCGCTTTGTCTG	ATGCTGGTGAATGATGACGAG					
ITPA	AW289304	20	3,137,514	3,152,504	BI599030	Hs.6817				ITPA	20	20.20	13	A	106.04	GGAGGTCCTTTCAGGATCCAG	ACCACTTCTATCAGGCAGCAC				60	
ITPKB	AW447142	1	223,204,933	223,312,565	AI597893	Hs.78877				ITPKB	1	718.55	16	C	76.50	GCTTTGAGTTTCTGCTGCTGGC	CGTGAAGAAGCTGTTGACAGGCAG				60	
ITPR1	AW658776	3	4,526,981	4,880,924	AA034974	Hs.198443				ITPR1	3	23.83	22	A	165.23	TGGTTAAATGATGCTGCTGCC	GCTGACCTGACAGTCCGAGG				58	
IVD	AW289409	15	38,291,949	38,292,495	AI765931	Hs.350278					15	129.05	10	A	170.90	GCCATAATCATCTCCAACACAG	TGACAGGTGCTATCCGTTCTT				60	
JAB1	JAB1															15	B	149.38	Kappes et al. 1997			
JAM3	AW267116	11	134,054,849	134,055,118												29	A	255.05	CAACGTGCAGGTGTGTAGTAG	TTGGTTCTGACAGAGGAGAGAG		60
JUN	AF069514	1	58,606,121	58,606,436	J04111	Hs.78465				JUN	1	165.50	03	B	31.75	GAAAGCAGAGCATGACCCTGAAT	ATATGCCGCTGTCTGGACTGTA				64	
KATNB1	AF071907	16	57,505,737	57,525,776	AF052432	Hs.275675				KATNB1	16	373.30	18	A	216.75	GAAAGGCTGTGTTCTTCCGATAC	ACTCGGACATCATCTTGCCA				60	
KCNA4	X57033	11	30,070,919	30,077,642	NM_002233	Hs.1854				KCNA4	11	114.70	15	C	124.15	CTGGAAGAGATGTTAAAGTAAAC	CAGTGAATAAACCACTGCTCAAT				56	
KCNH1	Y13430	1	207,495,661	207,946,663	NM_002238	Hs.158305				KCNH1			16	D	116.79	AAACAAGACGGGACCACTCAC	TGCAGAGAGAGTTCAGCCGAC				66	
KCNJ2	U95369	17	68,630,191	68,640,696	NM_000891	Hs.1547				KCNJ2			19	E	23.80	AGTGCTTCTCTGAAACACGGT	CTTAGTTCCTCTTCGGCTT				84	
KCNMA1	U60105	10	78,536,299	79,290,002	U11058	Hs.89463				KCNMA1	10	381.64	28	A	96.58	GTCCCACTCTCTACGAAGAAG	TACAGTTCACACAGCAGCAG				60	
KDR	AW267003	4	55,794,572	55,841,685	AI347902	Hs.12337				KDR	4	316.26	06	C	136.95	ATAGTCATTGCTCCAGCGCTC	CACGTAAAGCTCTTTCTACTGT				60	
KERA	AF036962	12	91,377,219	91,385,079	NM_007035	Hs.125750				KERA			05	A	102.51	GCTATCAGCCCGTTAAGTATCC	TAGTGATTTCTTCTCAAGCA				66	
KIAA0007	AW289382	2	29,075,246	29,128,790	D57375	Hs.90315				KIAA0007	2	97.94	11	B	59.52	GATGCTTGATGGCTTCAACTC	GCAGATGGAAGCTCAGCTCTA				60	
KIAA0089	AW652674	3	31,994,626	32,056,804	BC006168	Hs.82432				KIAA0089	3	113.89	22	A	56.27	AGAACATCGTGCCCGTAGGC	TGGCTTTGACAGAAGATCCG					
KIAA0169	AW266944	9	125,162,817	125,223,042	AA494447	Hs.30002				SH3GLB2	9	392.55	11	C	63.83	CAAAACAGCAAGAACAGAGTG	GGTGATATTCCTTCTCAAGCA				56	
KIAA0174	AW311856	16	71,660,730	71,698,318	BE538622	Hs.75824				KIAA0174			18	B	42.05	GATGGTGGTGAGAGGAGCTT	ACACACCTTGGCCTTGAATC				62	
KIAA0205	AW657136	1	208,557,436	208,643,221	AA731655	Hs.3610				KIAA0205	1	694.31	16	D	188.04	TGGGCGTGATATTGGCAGTTGG	ACTGGGATGGGGAAAGTGGGG				56	
KIAA0256	AW289291	15	46,859,976	46,917,833	AW264521	Hs.118978				KIAA0256												

KIAA0769	X73790	11	72,770,489	73,075,789	AW384610	Hs.19056	KIAA0769	11	271.01	15	C	94.41	TTCCTAGCAGCAGCAAAATCC	ATCTCTGTGACTGTGCCCTGAA	60
KIAA0819	AW347612	22	16,644,972	16,685,103	AW501086	Hs.301866	KIAA0819	22	20.41	05	A	406.64	TGCACCGCTCACTCATCAAGGA	TGTGGACCCGGGATTTCAACAG	60
KIAA0841	AW461470	19	40,789,972	40,790,134						18	B	70.69	CTAAAGCCCAACGACGACGAG	GAATAACTCCCTGAAGGCTGG	60
KIAA0863	BE217441	18	77,602,116	77,632,403	AA400001	Hs.131915	KIAA0863	18	475.88	24	A	28.24	Dorroch et al. 2001		
KIAA0876	AW289202	19	4,909,132	5,093,605	A1824656	Hs.301011	KIAA0876	19	34.68	07	A	98.00	GCAGTGTCTACGAGCCTTTTA	TCCTGGACCCTTTGTGCAGA	60
KIAA0884	BE217434	14	34,135,474	34,220,139	BG622807	Hs.198232	KIAA0884			21	B	177.25	Dorroch et al. 2001		
KIAA0903	AW478822	2	62,890,563	63,231,328	N76174	Hs.16218	KIAA0903	2	196.23	11	A	182.23	CCAGTCTGCGCATATGTAAC	CCCCTGGTAAACAGAACAC	60
KIAA0922	AW427702	4	155,023,636	155,023,940						17	A	44.09	GCAAAGCGACGTGTATGAGA	TGTAGGCACGGAACGGGTTA	59
KIAA0934	AW660655	10	311,432	725,606	N35887	Hs.227716	KIAA0934	10	9.16	13	A	73.04	TGACTGTGTTAGAGATTTC	GCTTACTGGTGGTTTAAAC	56
KIAA0971	AW289295	2	207,621,154	207,621,374						02	D	29.94	AGACCTCCACCCTCATGATCTA	TGAACCTTGTGAGCCAGACCT	60
KIAA0999	BE217545	11	116,774,102	116,774,287						15	B	101.48	Dorroch et al. 2001		
KIAA1108	AW430391	4	123,569,220	123,677,111	AL137532	Hs.6606	KIAA1109	4	557.41	17	B	31.85	TGGAGATCTGAAGTGGGATA	GTGTCAAATCTGTAAGTAA	56
KIAA1157	AW461541	12	62,755,765	62,756,075						05	A	287.66	GGGCGATGTTCTCTGTG	AATAACAATCCCGACTTTGGG	60
KIAA1190	AW477900	3	42,519,957	42,528,308	AB033016	Hs.206259		3	139.81	22	A	176.11	CTTGTAAGGTCCATGCCGCT	GGCTGTGTGGCTTGGATTCT	60
KIAA1237	AW289285	3	125,966,168	126,014,321	A1971892	Hs.10491	KIAA1237	3	443.76	01	C	14.84	GCACAGGCAAGAGGATTAGAC	GCCTATCAGCTTATCACTGTGG	60
KIAA1361	R02283	17	27,569,355	27,723,372	R02283	Hs.15119	KIAA1361	17	268.45	19	A	76.98	Yang and Womack, 1998		
KIAA1387	BF440164	2	55,733,224	55,803,724	BE882739	Hs.301434	KIAA1387	2	174.02	11	A	298.29	CTAGCAAGCGATCAAGTTCCTG	AAAGACCTCGCTTGGCTCA	
KIAA1509	AW289268	14	89,727,710	89,770,096	BE590615	Hs.201580	KIAA1509			21	B	203.43	GGAAACTATCGAGCCATGTTG	GAATCTGCAACAAAGAGACA	60
KIAA1533	AW354367	19	40,161,737	40,193,422	BG423809	Hs.83575	KIAA1533	19	213.99	18	B	56.13	CCTCGTGAAGTCCCTGATTG	TCCTCCAGGGACAGCTTCT	58
KIAA1545	AW465879	12	132,692,326	132,786,744	D19827	Hs.127270	KIAA1545	12	504.68	17	B	128.78	TGGCAGCAACATCCTTCAAC	ACCTCCCAATCCCTACTCATCT	56
KIAA1559	AW289283	19	41,503,211	41,546,154	AB046779	Hs.35524	KIAA1559			18	B	77.95	AAGTGTCTGAGCAGTGCAGAA	CAGAGTCAGCCTGCTGTATCAT	60
KIAA1720	AW358619	1	245,030,235	245,030,340	AV691611	Hs.298573	KIAA1720	1	771.77	07	A	201.93	AGTGAAGTTCGTGAGTGAAG	GCACCAATTCCTCAATCC	60
KIAA1727	BF775101	4	154,366,568	154,367,009						17	A	43.88	TCCAACCTCCCAAAGTCCAAG	CGCCACTTCTCAGGAAACTC	56
KIAA2022	BE217522	X	72,168,647	72,168,943	BE669952	Hs.124128		X	246.66	X	C	70.61	Dorroch et al. 2001		
KIF22	AW426804	16	29,800,580	29,815,228	AL581319	Hs.119324	KNLS4	16		25	A	118.97	CAGCTTCTCTGTCTTGGCAC	AGCTATTGGGAGTTCGGGAC	54
KIT	AW266986	4	55,428,849	55,429,148						06	C	127.06	ATCTGTGAAGGGTAAGTGGGAC	CAGACATCAAGCTGACTAAAG	58
KLF12	AW346306	13	73,196,768	73,644,679	B1039365	Hs.294018		13	210.67	12	A	132.52	GGATTACAAGAGCTGTGTA	GATCTTTAGATAAGCTGG	56
KNG	V01492	3	187,837,169	187,863,770	AL531099	Hs.77741	KNG	3	700.49	01	C	59.38	AATACAAGGCTGGCCTGCT	AACAGTGAAGCTGACCCACA	56
L11344	L11344	20	44,715,533	44,715,799						13	A	255.25	TGTGGCTGCGTCTGAACCTCTT	GTGATGGTGGGACTGGGATGAA	64
L22095	L22095									21	B	218.91	ACCTTCTTCTGCTTTTGTGG	CTAAGTTCTGTGCTGCACAT	64
LALBA	U63110	12	48,680,502	48,682,362						05	A	164.39	GGGTTGAGTGGGCCATGACA	GAGGATGACAAGAGAGGCCAG	58
LAMA1	AF010231	18	7,069,996	7,070,449	XM 031353		LAMA1			24	A	170.17	GTGGGATATCGGATGCCGTTCT	GTGGGATATCGGATGCCGTTCT	60
LAMA2	AW658640	6	129,139,472	129,772,838	M59832	Hs.75279	LAMA2	6	516.35	09	B	0.00	TCATGTGGACAATGGCGCC	CTCGGTTTGGGCTCTGGG	52
LAMP1	L09113	13	113,038,160	113,064,619	BE909481	Hs.150101	LAMP1	13	317.32	12	E	0.10	TCTGATCTCAACCTCCACACT	GCTCCCTGGGCTTAGATCACT	50
LAPTM5	AW428607	1	30,631,958	30,657,309	AW192922	Hs.79356	LAPTM5	1	96.85	02	E	113.00	CCCATCACAAAAGCAGTAGGA	ACAGACCCAAAGGTGGAGAGAA	60
LASS2	AW267074	1	147,708,176	147,722,574	AL582238	Hs.285976	LASS2	1	543.71	03	A	78.34	CCCTCTGCTGAAGTCCAGGTG	TCTCTGCCAGTGTCCCTGTAG	60
LBP	X52563	20	37,571,053	37,631,835						13	A	236.02	CTCAATCAGGAGGTGCAGGGTT	GCAGGCTTAGCCCTTGAAGAA	60
LCAT	AW417244	16	67,709,117	67,713,735	AW603466	Hs.348401	LCAT	16	404.65	18	B	38.36	GAGGAGATGCATGCCACATA	AATGAAGCGCTCTTCCAG	56
LCK	AW289293	1	32,143,509	32,178,408	BF941495	Hs.1765	LCK	1	101.00	02	E	108.22	TSAGCTTCTTATGTGTGCCAAC	TGTGGCTGTGCATATACGTCT	55
LCP2	AW289418	5	169,610,632	169,660,774	A1078413	Hs.2488	LCP2	5	631.62	20	A	8.88	CCGAAGTTATTCACAATGCT	AGCCAACTCTTTGTCACTGA	60
LECT1	M65081	13	52,214,041	52,250,584	NM 007015	Hs.97932	CHM-1	2		12	A	22.06	CAGGCGCTGCTGAAGAAGTCAA	GCAGACGTCTTGGGCAAGAAA	60
LHCGR	U20504	2	48,871,622	48,940,556	S57793	Hs.1769	LHCGR	2	148.91	11	A	135.11	TGTTAGGCACATCAGGCAAA	CAATCCCTATCTTGTCTACCA	60
LIF	U63311	22	28,963,990	28,968,028	J03261	Hs.2250	LIF	22	87.47	17	C	107.40	CAACATCACGAGAGACCAGAA	TCTAGTTGGCACAGCATATAGG	53
LIM2	L04188	19	56,559,185	56,567,229	AF340020	Hs.162754	LIM2			18	C	154.98	TGCACCTGGAAGTAGAAGTCTG	TGTAGGCTTCTCAACTGCCTC	58
LIPE	AW656311	19	47,581,715	47,607,627	B1030373	Hs.95351	LIPE	19	244.79	18	C	57.44	TTTTCTGGCTCAGGTTCTGT	GGAAITTCATGTCCCAAGCT	58
LIV-1	BE217451	18	33,576,487	33,597,340	AA527057	Hs.79136	LIV-1	18	293.04	24	A	83.57	Dorroch et al. 2001		
LMAN1	AW289404	18	56,782,082	56,811,467	AU135066	Hs.287912	LMAN1	18	402.85	24	A	202.60	TCTAGCTGTCTTCACTTGCAT	AACATAGAAGTGTCCACAGGT	56
LMCD1	AW261190	3	8,535,357	8,601,651	BC000646	Hs.279943	LMCD1	3	38.46	22	A	105.70	AGGAGCTCCACACTCAGGAA	GTTTCCCTGCTACCAAGTAAAG	56
LOC115286	U13101	3	66,124,266	66,259,988	A1591137	Hs.41931	LIG1	3	198.02	22	A	203.91	CTGTGCTTCTGCTTTCAGATGG	TGTTGGGACTTGGCAGAGAGAG	60
LOC116254	AW357982	6	149,822,588	149,848,008	BE180248	Hs.240767		6	596.81	09	B	42.87	CCCTGGCTTTAGAGAAGAAC	CTGGTGGTCTGCAATGAAT	60
LOC117584	AW289289	17	33,184,791	33,264,971	AA506136	Hs.30724		17	293.21	19	A	24.12	CTTTCTAGTTTGCATCCAGC	CTCATGAGCTCTTGGTCTTA	60
LOC124512	BE217412	17	75,187,033	75,194,073	AA446970	Hs.74655		17	491.90	19	D	15.80	Dorroch et al. 2001		
LOC128710 (3)	AW416418	20	10,555,309	10,555,474						13	B	59.80	TCTTTGGCCTCTGGAGGTTAC	GTGAACAAAAGCTACAAC	50
LOC128710 (5)	AW267000	20	10,552,960	10,553,308						13	B	65.10	GGTAATATCTTCAAAGGACCACC	GGCTTGTGTAAGTGTCAATGAG	
LOC146210	AW428584	16	67,318,231	67,318,726	BE466982	Hs.148483				18	B	37.34	ACTGGTGAGAAGTGAAGTTGG	GTCTGTGACATCTGCATAACG	62
LOC147632	BE217425	18	72,674,992	72,676,688	A1279010	Hs.48821		18	467.72	24	A	0.00	Dorroch et al. 2001		
LOC147912	AW344536	19	50,944,093	50,948,360	AL540911	Hs.271243				18	C	64.29	ACCTCTGCCCCGAGACTAAG	CAAACTTTCCAGCCCGTTT	60
LOC150159	AW289221	4	104,202,255	104,202,619						06	A	35.12	GGTGAACAGCAAGGGATCCAG	CAAAGTCGGGTAGGATGGCAAG	60
LOC150159	AW267157	4	104,211,623	106,550,118	B1335032	Hs.169900	PABPC4	1	118.47	06	C	177.92	GTGCTAAGGTGATGCTTGAGGA	TTCACTCTGTGACTGCTTTGG	60
LOC150819	AW446001	2	111,829,306	111,831,391	H58882	Hs.84063		2	405.03	11	A	2.03	TGTGTGTCCAGGTTCTGTGACCG	CCAGGGAATTCGCATACAAATGC	53
LOC151584	AW352867	3	108,809,253	108,809,660	R05422	Hs.152939		3	395.94	01	B	36.88	ACCAATGCTGCTGCTGTAAC	ACTCCAGCGCTTGCATGAAT	60
LOC152903	AW462606	4	146,945,352	146,945,670	AV727135	Hs.322710				17	A	132.30	TGCTCTCTGAGCAATTTAGGC	TCCGATAGTTGTTACAGAGGT	60
LOC159176	BF440559	2	243,071,390	243,071,502	H57833	Hs.37517				01	C	113.90	TGCGCCACCATCTCTGACAA	CGCGCTGTCACTGATGTTA	60
LOC196394	AW289247	12	31,724,349	31,782,319	N66136	Hs.337603		12	124.97	05	A	360.31	ACTAGGTTGGGCAGATAGATA	CCCATCCCTATCTACCTATAA	60
LOC199899	AW261171	1	63,067,702	63,067,782						22	A	0.00	CGTTACATGCAGCCACAACCTGA	GATCTGGAACCTCTGTGGCGCT	60
LOC201232	AW464274	17	6,886,686	6,886,011						19	B	33.60	ACCTGACTGGGGTGACTGTG	CCGATGACTTCTACCATCTG	60
LOC219917	AW485426	11	67,810,672	67,810,783	AW885534	Hs.44592	HMT-1			25	A	36.23	GAGTGTCTTCTGATAGGAAA	CTGAGATGCGTCTGTCTGT	56
LOC221002	AW289342	10	43,465,180	43,537,563	R54109	Hs.26096		10	258.07	28	A	63.81	CCATCTCCCATGATCTCTT	TCTCCTTAACAGAGCCTGAA	56
LOC223082	BE217504	7	30,032,867	30,115,190	BE005639	Hs.127294				04	C	0.00	Dorroch et al. 2001		
LOC24432	AW483052	16	67,426,897	67,430,177	AW243496	Hs.78019		16	402.35	18	B	38.26	CAGAAACCTTAGCCTGGAGTTCA	ACTCATACTGGAAGGCAGAAC	56
LOC253981	AW315312	4	37,427,067	37,522,642	AA397617	Hs.283378				06	C	43.67	AATTTCACTGTGCTCCAA	GCTTGAACCTGAATAAAA	54
LOC255173	AW465327	17	26,646,708	26,647,099	BE619333	Hs.301547	RPS7			24	A	143.44			
LOC256338	AW656038	1	208,019,778	208,020,332	AL559031	Hs.350270	PX19			21	B	218.91	GGTGACCTCTGACCAGAAAGCTC	TCCACAATAGAATCCTCCAGG	57
LOC283520	AW486050	13	51,277,118	51,277,380	BF216444	Hs.456206		13	155.53	12	A	67.81	GGGTGAGGCTGAGGATGTCATA	TTGGTGAATCTGGTGTGTAGAG	56
LOC283549	AW266909	14	43,749,441	43,749,643	BG177130	Hs.349177				05	A	130.13	GACCTTCTAGCAAACTTTTAGC	AAGCCCTACTGCCAATAAAGCC	52
LOC283713	AW487183	15	29,346,745	29,349,843	T16434	Hs.4986		15	70.93	21	B	49.90	ACCTGCAAGTGTGCTTCCCA	ACAACCCCAACCAACCAAGAG	60
LOC283746	AW427936	15	39,035,150	39,035,451	BM016321	Hs.92526		8</							

LOC349249	AW464717	9	133,539,768	133,540,247	AA443460	Hs.231029	MGC14327	9	428.93	11	C	96.57	AAGCCAGACAATCCTGAACCTC	TCACGCTTTGTAGCCTTTCAC	60
LOC350723	BE217512	1	656,945	657,101	BE781326	Hs.109929	GRASP1			15	B	101.59	Dorrock et al. 2001		
LOC350723	BE217564	1	659,326	659,491	BE701382	Hs.279851	FLJ10241	19	240.61	16	A	50.70	Dorrock et al. 2001		
LOC351720	BE217464	4	54,687,778	54,688,194						06	C	99.60	Dorrock et al. 2001		
LOC352491	AW465217	8	96,694,899	96,695,260						14	E	32.74	TGGTGTCTCTCATGTGCATC	GGGATGCTGAATGCTTGATT	60
LOC51125	AW289269	8	41,089,028	41,109,444	H29328	Hs.7953	LOC51125		180.83	27	B	30.99	GCCAGACAGACACACTATTA	TTACAGATGTTGTAGGTGTC	52
LOC55862	AW462563	6	127,544,989	127,599,865	BG534894	Hs.239218	LOC55862	6	513.62	09	A	172.85	CATCGCCTAAGCTGTAAAG	CCACAGGAACTGTTTCAAG	56
LOC56965	BF440437	15	70,109,449	70,139,318	BE047160	Hs.315687	LOC56965			10	A	114.71	CAACAGGGTGAAGTCAACTGG	AGACAAGTCTGCCCTGAGGAAT	
LOC90799	AW464965	17	62,956,343	62,956,701	AA243792	Hs.169872		17	408.04	19	C	206.05	ACAGTCCAGACCAAGTTTCC	CATCAATGCAGCCAGCTACA	56
LOC91526	AW289239	2	197,815,418	197,816,019	AW978637	Hs.11571		2	625.46	02	D	16.30	CTGTGCTTGAGAAGATTCCA	CGTTTCTTATGCAGTGAACCT	53
LOC91663	AW462457	19	59,045,671	59,055,708	BE048955	Hs.250700		16	30.02	18	D	41.78	CCAATGCTGAATGTCATCT	ATTGAAGCTGGAGGCCATA	50
LPL	M16966	8	19,606,071	19,634,073	M15856	Hs.180878	LPL	8	64.82	08	C	67.11	ACTGTGAATGTGTGTGGGTGTC	GCACAACCGTATCTCTCAGATG	50
LPP	AW465307	3	189,272,836	189,997,859	AA828286	Hs.180398	LPP	3	705.25	01	C	28.38	GAGGTGAGATCAITTCGGAAAC	CCTCCGACAAATCCCTGTAG	60
LPXN	AW289379	11	58,545,227	58,596,487	BG271424	Hs.49587	LPXN	11	219.66	15	C	240.30	TCAGTGAATCTCAGGATCGAAG	GAATCACGGTGTCACTCTGAAG	58
LTBP1	AW632471	2	33,317,374	33,582,120	AI754967	Hs.241257	LTBP1	2	108.81	11	A	70.74	AAATCCAAATGTCTGTGGAGCAGG	ACTAGCAGTCTGGCTAAGAATGGAC	62
LTBP2	U35363	14	72,956,499	73,069,075	NM 004028	Hs.83337	LTBP2	14	192.85	10	A	436.15	GAGTGTGGGCAATTACCTGGAA	GCATCAGGATGATACGTTGGTGC	
LTF	L24753	3	46,313,704	46,317,157	BE738186	Hs.118797	UBE2D3			22	C	15.40			
LUM	AW267150	12	91,430,276	91,438,386	AU138093	Hs.79914	LUM	12	354.73	05	A	102.04	GAGAACATGAAAGGCAGGCCCTA	TTGCTGCAGGACTGTAAACATC	64
LYAR	AW484424	4	4,262,159	4,284,615	AI417605	Hs.71040	FLJ20425	4	34.92	06	C	296.37	GAAAGAGTCTCAACAGAAATGG	GAATCTCTGGTCACTCTTCAA	60
LYZ	M95097	12	69,458,911	69,464,760	BE869929	Hs.234734	LYZ	12	291.43	05	A	241.15	CTTGGGGCCAAATCTAGTGA	CAACAGCAGAAATCAGCCA	52
LZTR1	NM 006767	22	19,661,219	19,677,904						17	C	127.16	AAGGAGTCCGCAATCTCAACCA	CTTCCGCCGACAAATCTCCA	
LZTS1	AW484959	8	19,912,981	19,922,107	BF947854	Hs.93605	LZTS1	8	83.76	08	C	60.09	CCTCTCTGGAATTTCAAGCC	TGATCTCCCTGTCTCTGTTG	55
M6PR	M17025	12	8,993,231	9,002,519	M16985	Hs.75709	M6PR			05	A	362.70	GTCTCCCGGCAAGTTTCTGAAG	CACGAGCAAGTCCATCCAGAC	
M73836	M73836	13	20,823,750	20,824,838	NM 002929	Hs.103501	RHOK	13	320.77	12	E	0.00	ATCCAAAGTCGGGCAATGTGTG	TCAGGGTGTGAACCTCATCGAGA	52
M84603	M84603									26	A	310.93	CCACAAGCTTAGTGATCTCTGC	GGTGATCAGAAGATGCTTCTCC	60
MAF1	AW266991	8	144,934,831	144,938,033	AI349310	Hs.324157	MAF1	8	563.39	14	A	16.69	ACTCTGTGCACGCTGCCCAATG	TTGCCCTGTCCCACAAATCGA	
MAF45	MAF45									X	D	20.12	Kappes et al. 1997		
MAF46	MAF46									01	C	103.85	Kappes et al. 1997		
MAF48	MAF48									05	A	421.03	Kappes et al. 1997		
MAF50	MAF50									04	B	66.07	Kappes et al. 1997		
MAF70	MAF70									04	B	26.31	Kappes et al. 1997		
MAGEG1	AW357228	15	27,140,673	27,142,101	AL520110	Hs.94011		15	55.75	21	B	13.68	CCACCAAGAAGCACCTCATC	CACGAACTTGAGCACCCTTCA	60
MAGP2	U37282	12	8,698,807	8,715,700	AU139886	Hs.300946	MAGP2	12	47.56	05	A	365.66	CAGTGTCTGTGATCAACAAGG	CCGGGTCTATGATGTGAGAAAG	
MAN1C1	AW261154	1	25,177,007	25,344,059	T52897	Hs.8910	HMIC	1	85.52	02	E	129.90	CATAACTGCCCAATCAAGG	AACCCAAGCTTAAAGTGTTCG	56
MAOA	X15609	X	42,360,181	42,430,386	NM 000240	Hs.183109	MAOA	X	130.54	X	C	143.84	CTGCTAAGCCGATCTCTGAAGT	AGATGATCTGATTGCACGGCTG	60
MAP1LC3B	AW289316	16	87,166,110	87,179,083	AA725095	Hs.121849	MAP1A/1BLC3	16	482.59	18	A	121.96	AGTTAAGTCAGCCCTCTCAGCA	CCACCGTTCACTCTTGATCAT	60
MAP2C	MAP2C									19	C	142.93	Kappes et al. 1997		
MAP3K4	AW478201	6	161,246,187	161,371,840	NM 006724	Hs.32353	MAP3K4	6	626.50	09	B	92.73	TGTAACCCGTCTCTCGTATC	CTCTTGCAGCTCACCTCTCTA	56
MAP4	D90149	3	47,711,419	47,949,632	NM 030983	Hs.239298	MAP4	3	154.82	22	C	20.72	ATCTGCTCTCTCTCTCCGTCC	CGTCAGCCGTGAGTCTCAATC	62
MAP4K4	AW461551	2	102,112,447	102,112,611						11	A	2.03	CAGACAAGAACACTGGAGCTG	CTGGTGTCTGTGAGACTGCCAT	60
MAPRE1	AW267043	20	32,076,314	32,106,885	AI708861	Hs.234279	MAPRE1	20	191.03	13	A	179.36	AGTGCTACCAGCATCCACAAAG	GTTTGAGTTAGGAGCGTTTACC	60
MARK2	AW668868	11	63,857,546	63,927,925	NM 004954	Hs.157199	MARK2	11	232.46	29	A	404.09	TGAAGAGCTCTCAGCGGAGA	ATTCCGCTATAGTCCGTGGA	60
MB	D00409	22	34,274,625	34,291,214	B1822699	Hs.118836	MB			05	A	347.30	AGGGTTTGCTTCTGAGTGTGTG	CAGTCAAGCTTCTCATGGTTTCC	64
MBD3	AW632312	19	1,516,678	1,532,791	BE737352	Hs.178728	MBD3			07	A	217.45	AGGAAGAGCTGGTGCAGCAAGT	TAGAGCTGTCCATCTGCTGGGT	60
MBIP	AW356421	14	34,757,810	34,779,884	B1963952	Hs.16755	MBIP	14	75.06	21	B	156.42	ACTATTCACTGGTGCAATCTG	ATGGAAGGTGACGTGTG	60
MBL2	D73408	10	54,417,549	54,423,868	AF360991	Hs.2314	MBL2	10	314.43	26	A	43.04	GGGAGAATGAGCCTAAAGTCCT	CTCCCACTATTACTGCTGTTCG	60
MC2R	X74501	18	13,874,627	13,875,520	NM 000529	Hs.248144	MC2R			24	A	170.72	ACTGAAGCGCATTTAGCAGCAGC	CAGGTGGACAGAAAGGAGAGCA	60
MCF2L	AW465587	13	112,709,452	112,839,500	BC011853	Hs.25515	MCF2L	13	329.65	12	E	10.20	TACAAGCAGTCCCTGAACAT	CGCTGTACCAGATCTCAAA	60
MCL1	AW289401	1	147,322,132	147,327,155	AI341702	Hs.86386	MCL1	1	541.42	03	A	74.03	CAAGACTAAAGCACTGCAGGGT	GTAGGGAGAAGAGGCACATGTT	60
MCM2	AW354958	3	128,598,894	128,622,890	BE902866	Hs.57101	MCM2	3	448.75	22	B	43.80	TCTTTGGCAGCTCATCCTT	TGGAGAGGCTGGTGATCATCTT	60
MCM3	AW289423	6	52,142,373	52,142,676	BE891644	Hs.179565	MCM3	6	200.18	23	A	339.54	TGATGTGGATGAATGGGTGAGG	TGCTGAATAACTGGGGTGTGGA	60
MDH1	AW479517	2	63,773,452	63,792,037	BG289964	Hs.75375	MDH1	2	194.01	11	A	182.23	AGCCAATACCAACTGCCTGACT	AGCTTATAGCTCGGTGTGTATCC	60
MDS027	AW657135	3	10,149,122	10,160,699	AV763639	Hs.273369	MDS027	3	49.54	22	A	119.79	GTTTAAAGCAGATCCTCCCTAAGCAGC	GCTGTATCATGCAAGGCACAAATGG	62
MDS031	AW621147	X	108,949,494	108,976,702	B1963963	Hs.110853	MDS031			X	C	13.47	AGCCCAATTTGGGATTTCAAGG	CCTCAAAATCAACCCGTGGA	
ME2	AW289322	18	48,293,429	48,362,259	AL561962	Hs.75342	ME2	18	358.72	24	A	158.87	GTGCAAGGCGACCAATAGTT	CTAAGGACCAAGTGTTCAGCATC	53
MEA	D17340	6	42,981,384	42,983,027	BC001754	Hs.278362	MEA	6	149.72	23	A	232.30	AGAACCAGCACAGGACTGAACA	TGATACATGCTACGGTGGGTGT	
MEF2C	AW289198	5	88,071,236	88,071,962						07	C	31.80	AGAGCTGGACACAGTTTGAACCT	CCTGCTAGAGCAAGACTCAGA	
MET	AW464296	7	115,853,160	115,977,133	X54559	Hs.285754	MET	7	547.89	04	B	66.07	CTTGCCAGAGAGCTGTATGA	CTGAGTCTGCAGGCTTTCTA	56
MFAP2	S68064	1	16,253,875	16,260,979	NM 017459	Hs.83551	MFAP2	1	63.45	02	E	217.90	CCAGTCTTCTCGTCTTGTTA	TAGGAGATCAAGCAGACCAAGC	60
MFGE8	S80643	15	87,029,149	87,043,896	AL522540	Hs.3745	MFGE8	15	309.05	21	A	50.96	CCCTCCTGATTGTAGCTGACCT	CACGCTCTGACTTTGCCCTCT	56
MFTC	AW266954	8	104,079,660	104,096,277	AW972990	Hs.196270	LOC81034	4	25.88	14	E	13.78	TACGGAAGCTTAATAACGGCT	AAATGTAATTTGGATGACTC	56
MGAT1	AW311705	5	180,281,851	180,306,851	BE382846	Hs.151513	MGAT1	5	649.09	07	A	187.43	AAGCTGAACCAAGCACTTGGT	CAGTGTCTGACTTTTCTCTAC	60
MGC10084	AW289192	4	141,911,511	141,938,033	AA873679	Hs.21857		4	614.66	17	A	141.83	TCGCTCACAAGTATCCAAAC	ATGTAGTCAGGTAAAGCCCAA	60
MGC10871	AW464526	11	66,663,467	66,683,194	AL050172	Hs.321056		11	255.53	29	A	418.28	CTTTGACCCAGTCTGACTTG	CCTACCTGAAAGAGAGCACA	62
MGC12335	BE217489	6	11,776,464	11,776,622						23	A	452.07	Dorrock et al. 2001		
MGC13007	AW464552	11	13,448,725	13,523,960	NM 032320	Hs.332382	MGC13007	11	53.09	15	C	11.75	TCGAATGTCTTGGGAGAAAGG	TATCCAGCTCATCACCATTGC	60
MGC13033	AW347617	2	118,579,961	118,581,284	AW978173	Hs.26118	MGC13033	2	433.92	02	C	0.00	CTACCATGGAATGATCCCTAAG	ACTATGGCCACATACAGGAAGT	60
MGC14836	AW289238	9	37,856,106	37,856,457	AK023620	Hs.86043		9	150.50	08	B	131.42	ACCAGCAATCTGAGGCAAT	ACCTGCCTTCTTCTTAAACAGC	56
MGC17330	AW464766	22	30,002,153	30,013,052	B1909256	Hs.26670	MGC17330	22	88.44	17	C	10.40	ATGAAGGAGGTGAGGATGCTGT	AGAAGCGGCTCCAGATCCATA	60
MGC20398	AW359289	17	33,137,222	33,138,781	BC011584	Hs.10487	MGC20398	17	296.46	19	A	23.42	TGACGACCTGAGATAGATG	CCTTCTTGCCAACTATGGCT	60
MGC21874	AW462174	4	7,037,845	7,051,095	BG171707	Hs.6983		4	49.47	06	C	375.58	ATGTACATCCACGGCAACCT	CGGCTGGTGCATACGAT	60
MGC23911	AW266891	16	69,112,576	69,121,105	AI244340	Hs.119840				18	B	36.11	TGTGTATGATGAGGCCATAGAG	CCCAATGACTACAGAAACACAG	
MGC24976	AW669155	15	97,384,320	97,523,661	B1755824	Hs.56185		15	351.84	21	A	15.87	TCAGTTCTGAAGCTCGATCGTG	CGGAGCCCATGTTTACGATT	
MGC27076	AW289257	3	198,002,412	198,066,180	BC008589	Hs.13138		3	729.32	01	C	20.92	CCCAACACCACTCATCGGAAT	TCATGACTGAATCAGCAGGGA	60
MGC3035	AW447613	2	220,006,973	220,013,246	AL551101	Hs.22412	MGC3035	2	682.63	02	E	49.88	CTGAGGACTCTCGATTTGCTC	TGACTGTACCAGAGCGGGG	60
MGC33371	AW437796	11	95,686,732	95,686,959	AA382135	Hs.28310		11	319.17	15	B	30.06	GTCATTTTGGCTCCAGTTA	CAGGTTCACTGCAGAAATG	56
MGC33864	AW289336	2	153,538,453	153,581,716	AA488229	Hs.167073		2	508.45						

MIP		K02818	12	56,561,629	56,565,189	NM_012064	Hs.279561	MIP			05	A	302.09	TTCCAGGCCCACTGAGTCCAAT	CCCTCCATGTAAACCCAGAAGC	60
MIP-T3		AW479731	2	239,245,360	239,324,075	NM_015650	Hs.152701	MIP-T3	2	741.40	03	B	121.53	CATCGTCTCCAAGGAATAAG	GATGTAGTCCATGATCTTGT	60
MIR		AW289405	6	16,191,872	16,211,015	A1281249	Hs.20072	MIR	6	65.64	23	A	435.50	TAACTGTAGTACTGATTGCCCCAG	GGGTTTCGGGTTTGTGTGT	60
MI21		AW336657	18	44,278,910	44,388,115	NM_004671	Hs.111323	PIASX-BETA	18	343.90	24	A	161.91	GATCTGAGGACATGCTTGAG	CAGCCATCTTCTGTAAGGGT	60
MLL3 (3)		AW289191	7	151,169,425	151,170,025	AC006017	Hs.288971	MLL3	7	675.32	04	E	175.42	CAACAGCTGGGCAGAGAAACAT	TAGTGGGAATCGGCTTCTAGGA	60
MLL3 (5)		AW487065	7	151,146,897	151,447,936	A1693624	Hs.288971	MLL3	7	675.32	04	E	191.41	ATTGACCAAAATGCTACCAGG	AGTCATAGCATACACTCCGTTG	60
MLL5		AW483805	7	104,201,361	104,301,537	BG393525	Hs.15423	HDCMC04P	7	521.67	04	B	38.75	AGGGGGCTGAGTCGGAGACTGTAC	GGGGGCACAGAGACAATCAACAGG	60
MLL10		BE217429	10	22,109,756	22,110,180	AW385516	Hs.167709				13	A	28.46	Dorrock et al. 2001		
MLL12		AW466080	4	88,248,943	88,454,970	L13773	Hs.114765	MLL12	11	380.57	06	C	186.36	TCCATAGGGTCCCACTCAAG	CTGTTCCCAAGGTCAAAGG	60
MLL14		AW463615	6	168,047,073	168,047,271	H24025	Hs.113849		6	651.20	09	B	67.62	CGGTCCGAAACCCAGAAT	AGGTGCGTGGGTTTAAAGTC	60
MLN		AF068196	6	33,763,864	33,773,208	Y00695	Hs.2813	MLN			23	A	151.22	GGAGAAGGTGACAGAACTTGG	GGGATTTGTTTGGGAGAGGGTG	66
MME		AW461530	3	156,142,410	156,142,837						01	C	33.95	TTTCCTTCCCAAAATGTATCCC	ACACATTTGCTGTTTTCATGCG	60
MMP11		A1184253	22	22,439,590	22,451,056	A1184253	Hs.155324	MMP11	22	47.84	17	C	127.16	GCTGTACTGAGGCTGCCAAC	TCAGACACTCGCTGCGACTG	60
MMP14		AB010521	14	21,295,921	21,307,094	Z48481	Hs.2399	MMP14			10	A	127.15	GTGATCATCATCGAGGTGGA	TGGCAATAGAGCATGCGCTT	60
MMP2		AW659176	16	55,161,437	55,278,409	A1752103	Hs.111301	MMP2		358.01	18	A	191.84	GGCAGCCCTCAGTTCTGTAA	TACTTGAGCAGAGGGCAGAG	62
MMP20		AF009922	11	102,481,640	102,530,137	NM_004771	Hs.129737	MMP20	11		15	A	34.70	CCGAGCCCAAAGCATACAAAT	CTTAGAAGTGAAGGCCATGGGA	60
MMP7		X58256	11	102,429,758	102,868,942	U78045	Hs.1695	MMP12	11	351.69	15	A	18.30	GAGACTCTGACATGTACAGTGG	CTTGGGTATCAGGATGTTAGAG	60
MO25		AW464908	2	231,541,590	231,649,805	T86658	Hs.6406	LOC51719	2	715.05	02	E	91.38	GACCTCTTTAGAGCACTTT	TAGGACATCTATGACTAGAAC	60
MOG		L21757	6	29,692,451	29,708,015	UB4564	Hs.141308	MOG	6	116.89	23	A	389.24	CAGCTGCTAAAGAGACCAATTG	TTTCAATTCGATCGCTCCCTC	57
MPST		AW289326	22	35,658,830	35,668,902	NM_021126	Hs.348884	MPST	22	115.02	05	A	356.03	GTGTACCCCAAGTTTCTGTGT	GCAAGCCGGATGTACCTATCTA	60
MRPL43		M34915	10	102,877,254	102,877,952	BE899458	Hs.151945	MRPL43	10	483.85	26	A	195.71	GTTGACATCTGAAACCCGTGAG	CATAGATACAAGGCCATGCCCA	52
MRPS5		AW336682	2	95,220,395	95,283,106	BE881394	Hs.288971	MRPS5	2	335.84	11	A	2.03	AGCAAGGAAGAGCAAGAAAGGTGG	CCACAGATTTCCCGCTCCATC	60
MSH2		AW266975	4	47,587,817	47,759,742	AU124664	Hs.78934	MSH2	2	142.50	11	A	135.11	CATATCGCCTACTATTGCCGT	CCGGAATAAAGGTAACCTGCGTG	56
MSN		AW463275	X	63,120,762	63,195,017	AW867517	Hs.334330	CALM3	19	254.26	X	C	98.21	ATCTTCCCACCACTGTGCTAT	AAAGAGCACACGTGAGACAGAG	60
MSR1		X54183	8	15,740,582	15,825,416	AF037351	Hs.49	MSR1	8	48.15	27	A	95.19	CTGACTCCAGGATTTCCCTTTGTG	ACAGTGGTCACTGGAGAGGTGG	60
MSRA		U37150	8	9,782,861	10,157,430	AJ242973	Hs.26458	MSRA	8	33.47	08	A	60.67	CCCATGGCAAGTTGATAACGTG	TATTTCTCCAGCTTGGTTCCCT	60
MTFHD2		AW266953	2	74,383,421	74,400,121	AL570764	Hs.154672	MTFHD2			11	A	14.15	CCCAGACATCTTCCCAATGACT	GGTCAACTGGTCAAAACCAAGG	56
MTMR6		AW480838	13	24,732,307	24,791,704	BF576665	Hs.79877	MTMR6	13	68.63	12	A	107.11	TACAGCGAGTACGAGATGAGT	CACACAGACCACCTTCAACAATA	60
MTNR1A		U73327	4	188,039,335	188,040,105						27	A	22.31	TTTCAACAGCTGCCCTCAATG	GGAGAGGGTTTGCCTTTAAT	53
MTNP		AW267090	7	135,013,804	135,064,459	BF899249	Hs.21321		7	613.42	04	E	117.23	TTTCCCTCTCTCCCAACATT	TGATGGACGGATGGGCATCAAG	60
MUC1		L41543	1	151,933,611	151,940,564	AW369405	Hs.89603	MUC1	1	538.28	03	A	55.63	TGGGCTCTCAGAGACTCAAG	TATACTGGCTGCGTGTGCT	60
MUF1		AW461454	1	46,147,852	46,148,253						03	B	88.32	TTACATGGTGAATGAGGCCA	AGTGTCTGTGCTGAACCGCG	60
MUT		BE217502	6	49,422,825	49,426,853	R25503	Hs.155212	MUT	6	185.24	23	A	304.10	Dorrock et al. 2001		
MX1		U88329	21	41,713,278	41,751,974	NM_002462	Hs.76391	MX1	21	227.19	01	C	98.06	CCGTAGTCTCTGCTGTCTTTA	GGAAATGACCTTCTACAGTGCT	64
MYC		AW289390	8	128,418,563	128,424,554	AA923634	Hs.79070	MYC	8	494.65	14	A	74.35	CCCAAGTTGAGGCGAGTTTA	TCCTCTGTCAACTCTCTACAT	60
MYF5		X52526	12	81,043,749	81,046,395	NM_005593	Hs.178023	MYF5	12	350.14	05	A	45.61	GGATCGGATCAACCACTCAG	TTTGGTACCTCTCTCTCCTCT	53
MYH1		AB012850	17	10,338,684	10,363,015	AL596545	Hs.231581	MYH1	17	67.41	19	C	0.00	GCCATGCTTCTGAGTGGGAGG	CGATCTTGTCAAACTTGGGAGG	60
MYO1D		AW266956	17	30,668,252	31,052,905	A1674653	Hs.39871	MYO1D	17	283.18	19	A	35.04	ACITTCATTCATCAATCACTG	TCATGATGCTCTGCAACAACCT	56
MYO3B		AW428587	2	171,343,428	222,007,002	AA585483	Hs.37251				02	D	12.85	GAGATGGACGGCAATTTGTA	GATTTGCAATCTGCGACAAG	54
MYOG		AF091714	1	199,519,571	199,521,430	D38496	Hs.78788	LZTR1	22	29.94	16	A	0.00	AGAGAAGCGCAGACTCAAGAAG	CTATGGGAGGTGATCTCACTGG	60
N36938		AW266859	10	23,560,838	23,561,177	N36938	Hs.159204		10	136.29	13	A	39.77	TTAGTTGAGAGTGAAGAGGTTG	CAGCACAGAAGAGGCATTTGAG	60
N81015		AW430418	4	79,857,963	79,858,198	N81015	Hs.15420	KIAA1500	4	439.00	06	C	207.06	TCTTGGTGTACCTTAGGTAT	CAGAGTCAAGGAATCAGGTT	60
NACA		AW462635	12	56,820,921	56,835,861	BF679571	Hs.32916	NACA	17	385.44	05	A	301.56	TGAGACAGGCTCTGGAACAGAA	AGCTGAGCTGTTGTGTGGTGT	60
NAP1L4		AW266993	11	2,924,941	2,972,880	AW250177	Hs.78103	NAP1L4	11	8.42	29	A	59.06	GTTAAGTAAGGCTGAGCACTCT	AAAGCCTTGGGTTTCGAGCCGAC	60
NAT5		AW415574	20	19,945,760	19,962,814	BF310918	Hs.109253	LOC51126	20	105.26	13	A	41.62	CCAGTTCTGTGATCAGTCTAAG	GAGGCGAGTTAATGGGTTAT	60
NAV1		AW479550	1	198,083,905	198,260,910	B1017527	Hs.6298	MGC14961	1	666.51	16	D	143.60	CCATCTCTGTTTCTGGTGCTGC	CGCTCTGGGAGCTTGAGGCG	62
NCALD		D10884	8	102,367,568	102,797,841	AF251061	Hs.90063	NCALD	8	439.42	14	E	12.32	CTGCTGTGTTTCCCTTTGGATT	ACATTTCCCAAGACATCCACAGA	60
NCAM1		X16451	11	112,866,018	113,182,479	BC014205	Hs.167988	NCAM1	11	373.57	15	B	101.59	AGTGACACACACAGCTTCTCCAG	GTGAGTGCCTAACAAGGAAGC	56
NCAM		AW464751	1	35,449,691	35,458,982	AL138268	Hs.94653	KIA00607	1	108.11	03	B	123.59	AGGCCGTGTGACATTCGATGT	GAAGCTCAGATGGAAGGAGTT	60
NCF1		AW657333	7	73,970,671	73,986,105	M25665	Hs.1583	NCF1	7	422.74	25	B	0.00	TGATATGATGGGCGAGCGGGTG	TCTGTGGGAGCTTGAGGTGCTC	62
NCF2		AF079303	1	180,044,956	180,080,269	BC001606	Hs.949	NCF2	1	641.79	16	D	92.71	CGGAAGCACTAGGATGTTTCA	TTCCAGAGGTGTCTCTCAATG	60
NCK1		AW425735	3	137,862,684	137,949,578	U075925	Hs.54589	NCK1	3	491.07	01	C	107.53	CGCTTCTCTCTGCTTCTAA	TGCAGAGTAACATAAGGTGG	60
NCOA5		AW267029	20	45,328,050	45,357,002	Z42714	Hs.288140	CIA	20	257.24	13	A	269.31	CCATGCGGACAGAAAGAGCAGAT	CTCTTACCTGTTGCGTTCTAAG	60
NDF1P2		AW289412	13	78,992,031	79,066,848	R82644	Hs.30340	KIAA1165	13	229.88	12	B	0.00	ACACCTTCCGCAACCACTCA	GGGTATGCCAATTGCTTTA	60
NDP52		AB008852	17	47,250,451	47,284,199	U22897	Hs.154230	NDP52	17	339.74	19	C	58.22	CCAGGCTCTTGGATCTATACT	GCCTTTATGCTAGAGAGCCCTCA	60
NDUFB6		AW327178	9	32,543,524	32,563,350	AA527456	Hs.109646	NDUFB6	9	123.80	08	A	76.91	GAGGCGGATGGCTGAAGAT	AGAGAGCTCCGCTTTCGCAA	56
NEDD5		AW656363	1	105,396,414	105,396,600	A1361988	Hs.155955	NEDD5	2	744.74	03	B	63.50	AAAAGGGGGTGGGGTGGCAG	AAGGGGATCTGGAAGTGTAGGC	58
NEK6		AW267145	9	120,473,555	120,592,374	AW471463	Hs.9625	NEK6			11	C	47.28	CACACAAGAAATCGGCACACTG	GGGAACTGAAGCTCTGAAGGA	60
NEK7		AW482289	1	194,592,593	194,758,003	BF801281	Hs.24119		1	662.05	16	D	171.71	CCACCAATGAATAATCTTATGCC	AAAGCTAACACAGAGTCTTGATG	58
NET1		AW461566	10	5,554,753	5,600,634	AL514663	Hs.25155	NET1	20	21.61	13	A	57.84	AGGGTGGTGGACACACATGAAA	CAATTGCCCTCCCTCTTGCT	60
NF1 (3)		BE217405	17	29,463,771	29,464,130						19	A	43.16	Dorrock et al. 2001		
NF1 (5)		G11348	17	29,271,843	29,251,381	M89914	Hs.93207	NF1	17	273.24	19	A	50.99	GAGAGATATATCCCACTGCAAGTG	TGCCCATGAGACACTCGTTTGT	60
NFKB1		AW465881	4	103,815,276	103,931,075	AW500280	Hs.83428	NFKB1	4	494.25	06	A	43.13	GTGATTTACCAGCCAGT	TCGTTGGCTCTACCTGTGTAGT	60
NFKBIA		BF440215	14	33,860,756	33,864,446	BF756565	Hs.81328	NFKBIA	14	70.07	21	B	117.77	AAGCTCGTCTCTGTGAACTCT	CCTGTGTCACTCCTATTGAAG	60
NGFB		Y09566	1	114,928,803	114,929,484	AF150960	Hs.15061	NGFB	1	387.14	03	A	103.96	TTCGCGGTGTCGACACGAT	TCCCGGCACTTGGTCTCAA	60
NKG7		AW658385	19	56,550,897	56,551,990	B1822929	Hs.1036	NKG7	19	275.75	18	C	161.70	GATGACGGTCTACACCATTTGA	CAGAGAAGAGAGAGATGTAAACC	58
NMI		AA908007	2	152,091,010	152,110,596	AW575984	Hs.54483	NMI	2	508.15	02	B	20.09	CAAGCACTGACAGGAAAGTTG	GGAAGATGGAGGTGGAGAGAG	60
NMP200		AW486109	11	60,909,075	60,924,930	AA775406	Hs.349455		11	NP	29	A	469.01	CTCTCTTCGAGGAGTTGATG	GAAACTAGAGCGCTGCTTAC	60
NNT		L02543	5	43,602,966	43,705,730	NM_012343	Hs.18136	NNT			20	A	88.36	TGATGCTGCTGAGCGGCAAGTT	CGATGGATCGCAGCTCTTGAA	60
NOL1		AW289388	12	6,545,290	6,556,774	AU150362	Hs.15243	NOL1	12	40.88	05	A	389.28	CCAAACCTGTAAACATGGCAGT	GCTGCTTCCAGAAACAGAAATG	60
NOV		AF055076	8	120,097,409	120,105,393	AL566435	Hs.235935	NOV			14	D	11.09	CCTGAAAGCACTGTAGTTGAG	CCTGACATCAGTAGCATCTCC	57
NP		AW462952	14	18,933,447	18,934,867						06	C	181.71	GAAAGCACCTAGCTGATGTT	GTCCACAGTGTCTTGGCA	

NUDC	AW437332	1	26,481,269	26,506,406	AW384644	Hs.263812	NUDC	2	556.53	02	E	125.09	CTGTGCCCTTCTCGTGAACTT	CCTCCACCTTCACCTCGTTGTA	60
NUD2T	AW289415	9	34,319,505	34,333,697	AW951451	Hs.14142	NUD2T	9	137.40	08	C	23.21	TCCACCTAGCTCAGATTCTTGC	GCCTTCTGAGATGAACCTGCCTT	
NUMA1	AW463658	11	71,958,155	71,958,474						15	C	96.33	ATCACTTCTGGGCTGCTT	ACCCAGAAGGAACCTGTGTGG	60
NUP107	K03534	12	49,407,995	68,817,349	X05421	Hs.247767				05	A	148.49	GCTCCTCGGTTCTCACCTCT	CTGGATGCCTGAAGGACAAG	53
NUTF2	AW461589	16	67,616,257	67,641,971	BG821662	Hs.151734	PP15	12	42.90	18	B	33.96	CATAACTACCTGCCTATTGG	AGAGTGCTGCTTCGGTGT	58
OARFCB193	OARFCB193									19	C	79.79	Kappes et al. 1997		
OARFCB48	OARFCB48									17	B	34.15	Kappes et al. 1997		
OARFCB5	OARFCB5									05	A	140.90	Kappes et al. 1997		
OARVH98	OARVH98									17	A	112.83	Kappes et al. 1997		
OAZ1	AW289403	19	2,209,523	2,213,330	BE207901	Hs.125078	OAZ1	19	25.82	07	A	92.86	ACAACATGCCGACAACACAG	ATGGCCTACACGTTTGAGAGAG	56
OAZ2	AW312570	15	62,558,675	62,574,353	AL582164	Hs.74563	OAZ2	15	226.54	10	A	279.05	TTATGGCCAGAGGATCTTGC	CCATGAGTCGTATTCTCTCTC	60
ODC1	M92441	2	10,585,423	10,593,545	X55362	Hs.75212	ODC1	2	44.26	11	C	8.97	CCACTCTTGTAGTGTTAACCTG	CCAACCCCTACTCACATAGACAT	60
ODF1	X89515	8	103,232,653	103,242,039	AW951615	Hs.159274	ODF1			14	E	13.78	GSCAGCTCTTCCAGTGTCTTCTC	CTCATCTCTTCACTGCCCACTA	60
ODZ1	AW344591	X	121,466,807	122,049,942	AF100772	Hs.23796	ODZ1			X	A	18.18	GAGCCCATGTTTGAAGATTAG	TACAATCTGGCCTTGATGAC	60
OLR1	D89049	12	10,211,169	10,225,004	AU135631	Hs.77729	OLR1	12	58.23	05	A	366.35	GTAACCATATAGAGCCACGGGA	CCAGAAATAGAGCCACGGCATGT	60
OPCML	X12672	11	132,321,561	132,846,519	L34774	Hs.77929	OPCML	11	442.75	29	A	193.48	CCTGACTATAATGTACAGATCCCTC	GCAGAAATGACTAGGAAGGATGGCA	60
OPRM1	U89677	6	154,315,574	154,523,131	NM 000914	Hs.2353	OPRM1	6	604.37	09	B	46.32	TGGAAGATACAGACTGTTTG	TTCTTACTGAAGAGTCTGGA	60
ORC5L	AW289217	7	103,313,520	103,395,192	AI815060	Hs.153138	ORC5L			04	B	23.37	ATCAAGGAGGCTTAGAGGTGGA	ACAGGAGGCTTGCAGTGTGATT	60
ORC6L	AW289335	16	46,463,883	46,475,042	AL555549	Hs.49760	ORC6L			18	A	150.32	CACAGAAGCAGTGAACTTGG	GTGAAGAGCGGCCTAGATAA	60
ORM1	BE217544	9	110,542,231	110,549,178						08	E	5.90	Dorroch et al. 2001		
OSGEP	AW657300	14	18,904,698	18,913,351	AB050442	Hs.108894	FLJ20411	14	5.51	10	A	137.45	GTACTCCGAGGATCTGTGTC	ACCCTACACCTCCCACAATG	60
OVGP1	D16639	1	111,059,045	111,072,507	NM 002557	Hs.115634	OVGP1	1	356.59	03	A	124.91	GGGTACTTTTGGCTTTGAGACA	CTTGGGATCCTTTATTACACAGC	60
OXR1	AW289421	8	107,338,875	107,433,712	N95837	Hs.169111	OXR1	8	446.32	14	E	13.78	GCCCTGCTAAGCTACAATAACG	TGGCTCTCAGGTTTGGGCAT	60
OXR1	S80966	3	8,783,940	8,803,146	NM 000916	Hs.2820	OXR1	3	42.74	22	A	111.23	TGGCTTTCGATTGTGCGACAGT	TGTTAAAGGAAGGCAGCAGTGG	66
P2RY1	X87628	3	153,834,347	153,837,452	NM 002563	Hs.2411	P2RY1	3	561.64	01	C	33.34	TGAGGCAAACTTGACATCCA	ACGAGGTGTAGGCAATTTCCA	60
P381P	AW461565	13	36,520,089	36,570,420	AL043010	Hs.333500	P381P	2	682.63	12	A	73.15	GCTGTAACTAGTGTGCCATAAC	TTGAGAGGCTCTGTCGATTG	60
P4HA2	BE217484	5	131,558,394	131,661,871	AL529145	Hs.3622	P4HA2	5	504.30	07	A	169.47	Dorroch et al. 2001		
P4HB	M17596	17	80,336,857	80,354,262	BC010859	Hs.75655	P4HB	17	530.96	19	C	242.95	GAGGAGGCTGCGATTGGAATG	AGCACACACCTGACGTCCAAA	60
p66alpha	AW312772	19	19,414,606	19,463,359	AW866710	Hs.118964	FLJ20085	19	105.83	07	A	0.00	AGGGTTTTCGCTTTGGGCTCTAGT	AAGCGCAGACCTGATCCTTTGA	60
PABPC1	U83076	8	101,383,937	101,403,732	AA715721	Hs.172182	PABPC1	8	439.22	14	E	0.00	Ma et al., 1998		
PACE-1	AW326638	1	166,518,263	166,559,098	AW853511	Hs.24243	LOC57147			16	C	64.86	AGTGGGACTGGTTTGTCTGAT	CTTGCTGGGAACCACTGTTT	60
PAC5IN2	AW462354	22	41,496,718	41,642,117	M85360	Hs.18422	PAC5IN2	22	143.97	05	A	479.52	GCTGGGTTTCCAGGTTGAAAT	TATGGGCGCTTTAGAGAGGACT	60
PAFAH1B1	D30615	17	2,447,746	2,539,698	NM 000430	Hs.77318	PAFAH1B1	17	42.89	19	B	0.00	AGGGAGTGGGAGAAATAACAGC	TGCACCCCTCCATTAAACCCCT	60
PAFAH1B2	D49678	11	117,048,953	117,072,727	BC000398	Hs.93354	PAFAH1B2			15	B	110.38	GCCTCTCAGATCAGTCTCTCTC	GACCACTTTATAGCTCCCTCTCC	64
PAFAH1B3	D30789	19	47,477,234	47,483,747	D63391	Hs.6793	PAFAH1B3	19	242.77	18	C	41.15	GCCACCATGACATGTACGATTA	TGTAGGAAGACAGATGCTTAGG	60
PAM	AW261180	5	102,232,382	102,396,271	AA860320	Hs.83920	PAM	5	435.42	07	C	72.82	AAAAACACCAACTCGGGAAGG	GGCAATGAAGAGAAACTTTAGT	56
PANK4	AW462578	1	2,100,188	2,118,248	BG760963	Hs.26156	FLJ10782	1	6.26	16	D	229.66	CTGAAGCTGGCTGTATCAAGA	CAGCTGGGACCTCATATCTGAA	60
PAO	AW426132	10	135,108,807	135,121,309	BI757555	Hs.292503				26	A	333.22	GCCAGTCTTCTTACAGTCTCA	TCTTGCTCTCTCATCTCT	60
PAP	M59794	2	79,341,841	79,344,587	BI715183	Hs.423	PAP	10	561.05	26	A	238.08	ACCCTACGCTTGCAGTTCACA	GGTCAGAAATGAATGGTTGGT	60
PAPSS1	AW261192	4	108,928,028	109,034,693	AI167495	Hs.3833	PAPSS1	4	507.11	06	A	29.68	TAGTTACACATTTGACTCTCAC	GGGAAGGAAGAAAGCAGCTTAT	52
PARG	U78975	10	50,918,735	51,023,128	AF005043	Hs.91390	PARG	10	297.61	28	A	170.39	CAAGAAGGTGTGACGTGTGAAC	GACTGCATCTTCCCTACAAAC	60
PCBP1	AW266875	2	70,273,685	70,274,004	BE222925	Hs.2853	PCBP1	2	224.15	11	B	116.68	CACCATTTAAAGCATGACAGAG	TAAACCTTTCTGCTGTTTTC	60
PDCD4	AW289306	10	112,762,800	112,789,722	BG696991	Hs.296251	PDCD4			26	A	251.32	GGAAGGAGTGGCAGTCAGACAT	AGGGGTGTAAGGAGGAGGACAGAA	60
PDE1B	M94867	12	54,660,151	54,689,770	U86078	Hs.203238	PDE1B	12	239.78	05	A	104.47	GCCGAAGCAGCAGCACAACCA	CATGTCCCTCGGAGCAGATG	64
PDE5A	L16545	4	120,812,637	120,943,179	AJ004865	Hs.139271	PDE5A			06	A	29.68	CAGAAACAGGAGGAAGACACT	TAGGCATATGCAAGAACACCC	52
PDE6D	U65073	2	232,561,166	232,610,019	BI602286	Hs.48291	PDE6D			02	E	85.96	CCCTGATTCTCTCTACGGCAAA	TCAACGGAAGTGGTGGCTTGA	60
PDE6G	X04823	17	80,177,246	80,184,085	BG181713	Hs.8187	PDE6G	17	527.31	19	C	232.72	GGAATTGTGTCTGAGACCCCTCA	CTGGAAGTTAAGCAGAGCCTGG	56
PDIR	AW289373	3	124,067,085	124,162,179	BE502684	Hs.76901	PDIR	3	431.96	01	C	13.63	AAGTGTGGTTTGGCGAGAATAC	GAAAGTTGACCTGAGTGCAAAG	60
PLIM2	AW315330	8	22,256,823	22,276,107	BI196797	Hs.19447	LOC59346	8	92.15	08	C	92.75	CGGTGCACAAAGATGTCCAA	CACGCCAAACCCATGCTAAT	60
PECAM1	U35433	17	62,740,676	62,804,803	AL543239	Hs.78146	PECAM1	17	405.42	19	C	178.74	AGATGCCCAACTTCCGAGAAGA	GTGCTTGGCCTGATGAATTGCT	64
PENK	V00109	8	57,072,418	57,082,381	NM 006211	Hs.93557	PENK	8	316.13	14	B	43.04	CTTCCCCTCAGTGCAGCTGAAG	GAACACAGACCTGGGATTCACA	60
PGM1	AW289332	1	63,416,624	63,483,622	BF337237	Hs.1869	PGM1	1	171.78	03	B	11.77	AGAGCTGATTGGAGAGAAGGCA	ACTGGAAGATGGAAGTTGAGCA	60
PGM5 (3)	AW427130	9	64,715,302	64,715,556	W07283	Hs.46531		9	231.59	08	B	40.67	GCACAATGGCACTTTCAAC	TGCACCATATGATCAACCCATG	58
PGM5 (5)	AW428593	9	64,714,529	64,714,789	AL137698	Hs.46531		9	231.59	08	B	40.67	AGGAAGCAAGAGGCATGAG	TGGGACTGACGTGAGTTGTT	60
PGRMC2 (3)	AW267085	4	129,585,581	129,586,844	AV646901	Hs.9071	PGRMC2	4	574.27	03	B	47.76	ATACACAGAATGACARCAAGGT	GGCCTTATTTCACTAACATAGA	53
PGRMC2 (5)	BE217446	4	129,583,617	129,602,205	AA095675	Hs.9071	PGRMC2	4	574.27	17	B	55.69	ATACACAGAATGACARCAAGGT	GGCCTTATTTCACTAACATAGA	53
PHK2A	AW315171	X	18,112,926	18,204,770	BI335479	Hs.5491	PHK2A	X	92.32	X	C	212.81	GACAACCTCCTCAGTGAAGTCT	TGTGAGGCTGCTTGGTGCTGAC	60
PHKB	AW654244	16	47,235,522	47,474,566	BG430784	Hs.78060	PHKB	16	316.23	18	A	155.44	GCAAAATCAAGCAGCTGG	ATAGATTATTACTTTTATG	58
PHLDA3	AW485011	1	197,901,078	197,904,987	AA532444	Hs.288557	PHLDA3	1	666.41	16	D	154.26	TCGTCTGCTGCTTGGGTCC	TCATTTCGGAGAACACGCTGG	58
PHYH	AF011925	10	13,470,039	13,492,369	AF112977	Hs.172887	PHYH	10	89.53	13	A	39.77	GCCCTTGTCTCAAAGTCTTGTCT	CCACCATACTGCAGAATTACC	60
PIAS1	BF440257	15	66,038,454	66,038,834						10	A	92.63	CAGGTTTCAAAATTTCTCCAG	TGAATTGCCAGTTGTGATA	60
PICALM	BE217537	11	85,892,474	86,002,684	BI087912	Hs.7885	PICALM	11	299.07	29	A	51.22	Dorroch et al. 2001		
PIK3R4	AW289259	3	131,700,576	131,701,180						01	C	141.68	AGCCTAGCATATCACTCAA	CCAATGAAGAGTAGTGCAAG	60
PIK4CA	S81577	22	19,386,545	19,517,555	AF012872	Hs.334874	PIK4CA	22	27.53	17	C	127.06	CGTGTGCCCAAGGACAATCA	GCCTAAGAACGTGCTCCCTGTA	64
PIM1	AF068890	6	37,142,232	37,142,546	NM 002648	Hs.81170	PIM1	6	137.56	23	A	76.18	CTGCTCAAGGACACCGCTCTA	GATCCACTCTGAGGGGCTAT	62
PKP2	AW425851	12	32,844,055	32,950,041	AA580386	Hs.25051	PKP2	12	134.35	05	A	359.81	TACGTGGTAATCGGACTAA	GTGCTTAACCTGGGTACTACA	60
PLA2G1B	Y00120	12	120,542,772	120,548,445	BI791451	Hs.992	PLA2G1B			17	C	97.76	AAAGGTGCCATACAACAAGGAG	CCAATGGGTGCTTTATTTGAGG	60
PLAGL2	AW326128	20	31,478,307	31,493,531	AU130057	Hs.154104	PLAGL2	20	175.68	13	A	171.35	AGCAGTTTCTTGGGCACTTCT	GTTCCTGTTAGTCTTCTGCTGA	56
PLAUR	S70635	19	48,826,054	48,850,748	AL554548	Hs.179657	PLAUR	19	244.04	18	C	72.97	CCTACCAAAATTTGCTGTGTGACC	TCACATGAACCTCTCTCTGCTG	66
PLCB1	J03137	20	8,061,296	8,897,007	AJ278314	Hs.41143	PLCB1	20	55.21	13	B	44.40	ATATTCTTCCGACCGCTTCAGA	TGACACATGGAGCTTGGGCACA	60
PLCD3	AW427840	17	43,206,153	43,206,254	BI828021	Hs.80776	PLCD1	3	135.41	22	A	126.51	CCAACCAAGGACCGCATCATCTA	CTGCAGTGGTTCTCCAAGGACA	60
PLEKHE1	AW461331	18	60,168,933	60,432,639	BE886240	Hs.38176	SCOP	18	416.03	24	A	219.44	TACTCTGTCAAGTGTACTGAA	CACATACACACCGGAGCTA	56
PLG	X79402	6	160,956,711	161,007,766	M74220	Hs.75576	PLG	6	622.83	09	B	67.62	GAGCTTGAACATGTTAGGGAA	TGTTGAGGTTTGGCAGAGACG	60
PLN	AW358402	6	118,869,602	118,881,716	BF672383	Hs.85050	PLN	6	496.77	09	A	124.27	CACCTTACCACCATCTGCTTA	CTCTGTTCCAAATCTTGACC	60
PLOD	AF054274	1	11,604,149	11,645,010	L06419	Hs.75093	PLOD	1	51.32	16	D	221.05	GCTCTTGACCTCTCACTGCTTT	CACCTCTTCCCTGGAAGACATA	60
PLP1	X03098	X	101,064,7												

PPID		L11668	4	160.096.477	160.110.729	L11667	Hs.143482	PPID	4	644.90	17	B	92.71	AACGGCTCCGAGTCTTCATCA	GAATCTTTGCCACACCAATTCC	60
PPIL1		AW267037	6	36.824.020	36.824.408	AW612791	Hs.27693	PPIL1	6	139.16	23	A	195.73	ACTTCCTTTCCCTCACCACCTC	CATAAAGGCAGAGCTGTGAGTC	64
PPM1B		AJ005458	2	44.353.726	44.429.233	AJ271835	Hs.5687	PPM1B	2	136.53	11	A	143.49	GCCACTCTTAGCATTTGCCTGTA	GGCTTCCCAACTTGGTGAACTGA	66
PPP1CB		AW266973	2	28.981.286	28.981.604	BC010051	Hs.77876	MGC19595	19	105.07	11	B	48.85	GATTGAACTTTTGCACTGCCTG	AGCTTGATAGGGATGGACATCG	60
PPP1R12A		AW464052	12	80.101.134	80.262.183	BI063038	Hs.16533	PPP1R12A	12	319.69	05	A	46.28	ACCAGAGCTTGAAGCGACAGAAC	GGCTTCGAGTGCAGGCTCAATTA	60
PPP1R1B		M27444	17	37.693.492	37.703.215	BE409065	Hs.286192	LTJ20940	17	304.32	19	C	60.60	CCTGCACTTCCTTGAAGGAAGT	GGCCATCAAGCAACCAAGAAC	60
PPP1R2		AW315422	3	196.641.845	196.670.798	AI141367	Hs.267819	PPP1R2	5	591.45	01	C	20.92	GCTCACTGCTGAATTTCAGAC	GTGAGTGTTCAGTTCTAGCCAA	60
PPP1R3C		BE217584	10	93.519.415	93.524.027	BC012625	Hs.303090	PPP1R3C	10	443.37	26	A	119.13	Dorroch et al. 2001		60
PPP1R7		AW336101	2	242.108.817	242.142.249	BF435053	Hs.36587	PPP1R7			03	B	121.53	ATGAACGACAACTCCTGGAGTCC	CGATCTGCCGACCTGGG	60
PPP1R8		Z50748	1	27.390.337	27.411.227	AF061958	Hs.78961	PPP1R8	1	92.76	02	E	117.73	ACCTACTATCCCTCGCAAGTCCA	TGTGCTCACTCTGCTGCTCTCA	60
PPP2CA		X72858	5	133.563.104	133.592.872	BC002657	Hs.91773	PPP2CA	5	503.46	07	A	240.89	CGTGACCACTTTAGAATGAACC	CAAGAAGCAACAGTGAAGCTGAG	64
PPP2R2B		AW289211	5	145.951.099	146.444.172	AW590555	Hs.7688	PPP2R2B	5	553.53	07	A	279.55	ACTGTTAGCTGGCGAGCTCTC	GAGTGCACCACTTCCCAACTC	60
PPPC6		AW267013	9	99.142.685	99.215.047	AU117327	Hs.56	PPRS1			09	B	61.62	TAAAGGGACATGGCTGAACAGA	GC1TTTGAAGCAATAGTAGTAC	66
PRCP		AW482119	11	82.758.108	82.834.337	T28884	Hs.75693	PRCP	11	289.83	29	A	118.98	CTTTTCACTGTGTACTCGTGT	TGTGCTTCTTACCCTCAGCA	60
PRDX3		AW267137	10	121.058.456	121.069.550	BF679982	Hs.75454	PRDX3	10	515.54	26	A	223.91	ATACTGCAATCCGATGGATTCT	CACAGTGGCAAGGTGACTTAAC	60
PRDX6		AF080228	1	170.027.236	170.049.602	AL552020	Hs.120	KIAA0106	1	623.64	16	D	10.98	TTACGCCATGAGATGGTGTCTG	GCAACCTAAAGCACTTGCTGT	66
PREP		AW462014	6	105.725.571	105.851.089	BG108313	Hs.86978	PREP	6	456.47	09	A	237.19	CGCTTCACTCCCTCAAGTTCAT	TATCATTTTGGCTGTGGGCTTC	60
PRG4		AF056218	1	182.785.859	182.803.555	U70136	Hs.218791	PRG4			16	D	200.52	ACTGATGGCGCAAGGAAGAAC	CAATGGGAGGAGAGGAGGAAT	60
PRICKLE2		AW652688	3	63.934.450	64.066.038	AW008316	Hs.56340		3	198.02	22	A	226.67	CTGAGAAGGTATGAAGCACACC	TGTTTCAACAGACTCTCTGGAC	55
PRKACA		X67154	19	14.047.718	14.073.762	X07767	Hs.77271	PRKACA			40	A	54.37	CATGTTCACTGAGGCGCACTTGT	GTCCGAGCCCAAGAGTGAAGA	60
PRKACB		J02647	1	83.832.112	83.992.546	M34181	Hs.87773	PRKACB	1	238.27	03	A	142.09	GCTTCCCTTTGGTTCGTCAATC	CCTCAAGCACTGACCAACACA	52
PRKARTB		AW657958				AW162328	Hs.1519	PRKARTB	7	13.46	25	B	93.55	CCCTCAAGTGCCTGAAGCTG	TGACGAGATGAAGCTGTG	59
PRKAR2A		AW289375	3	48.601.665	48.602.295	A1208670	Hs.286241	PRKAR2A	3	156.77	22	C	32.45	CGAGCCCTAGAGTTTCCCTT	TGCTCCTGAGTTTCTACAG	58
PRKAR2B		AW357054	7	106.231.831	106.348.593	R77857	Hs.77439	PRKAR2B	7	529.99	04	B	48.62	TGGATTCTAGACTACATGACC	CCCACTAGCCACAGCAATT	60
PRKCA		G11166	17	64.716.071	65.218.976	X52479	Hs.169449	PRKCA			19	E	51.60	GCTTGAAACTCTAGGTTGCTTG	GCCAGATGTCAACCTTCACTCAAG	60
PRKCB1		M13974	16	23.774.798	24.159.286	M13975	Hs.77202	PRKCB1	16	197.00	25	A	111.63	CCAGCATGTCCAGCATGTAGAT	ATACAAGTCAAGCTCCAGGACT	60
PRL		V00112	6	22.350.018	22.355.571	AV751666	Hs.1905	PRL	6	90.49	23	A	409.79	CSAGTCTTATGAGTCTGATTC	CTGCCAAATATGATCTGCATGCC	60
PRM1		M18625	16	11.341.131	11.341.619	BE973536	Hs.2909	PRM1			25	A	0.00	GTCCGTACACCGCTCATAGG	GTGGCATGTCTCAAGATGTGG	54
PRMT6		AW327015	1	106.756.395	106.758.971	BE272353	Hs.26006	FLJ10559	1	334.44	03	A	90.75	ACCAAAGACTTTGGCATGGA	AAAGGAGACGGGAAGATAATGC	60
PROCR		L39065	20	34.428.453	34.433.841	BE513203	Hs.82353	PROCR	20	197.34			184.69	AGGTAGACATGTGACTCGGGT	ACCACATCCTCTATGCCACAG	60
PRODH		NM_005974	22	17.274.849	17.675.659						17	C	147.56	GATGGCGGAGCAAACTCACT	AAGATGAGCGCGCTCTCCAC	60
PROS1		X12891	3	90.130.322	90.171.202	NM_000313	Hs.64016	PROS1			01	B	6.04	TACAGGTTGGATTTGGATGAAC	GAGAGCAACAGAGGTGAAGAACA	60
PRSS11		AW267015	10	124.352.192	124.405.546	AL585955	Hs.75111	PRSS11	10	529.34	26	A	311.03	ATAACTGAGTCACTGTGCTGC	CCCTTTAACTGAGGTCAAGTCA	60
PRSS2		D38507	7	141.862.730	141.866.315	AV742391	Hs.241561	PRSS2			04	E	140.45	CTGCAACTACGTGAGCTGGATT	AAGTAGTGCCTTCAGGATGGGA	60
PRSS7		U09589	21	18.563.561	18.754.925	NM_002772	Hs.158333	PRSS7			01	A	48.66	CCAAGGTTTCAGCACTGGAT	GGCTTGTGCATGAGCTTAC	64
PS1D		AW266886	1	31.199.111	31.200.067						02	E	113.00	AGTTGTTCTCTGGGAAGTTC	TATACTGCACTAACCCAGCAG	56
PSCD2		AW353027	19	53.648.522	53.658.666	X99753	Hs.303091	PSCD2	19	266.31	18	C	110.69	TCACTGACCTCAACCTGGTG	CAGGGTTGCCACAAGCATAG	58
PSCD3		AW426086	7	5.911.757	6.022.612	AU157280	Hs.7984	PSCD3	7	44.31	25	B	89.48	GTTCAGTCTCTGGAGTTTGT	CACGGGTACAGTCACTT	60
PSMB10		AW418307	16	6.703.872	6.706.434	AAU513638	Hs.9661	PSMB10	16	404.94	18	B	38.26	CACACCTCTGCTGCTCCGACA	GCCGAGGTAGGTTGTCTGTT	60
PSMB2		AW595515	1	35.495.348	35.533.773	BI770445	Hs.1390	PSMB2	1	111.15	03	B	125.31	CTACGATGAGCAGCAGGGTCC	GTGTAATATGCGTCCAGG	60
PSMB8		AF068888	6	32.810.015	32.814.001	BF229974	Hs.180062	PSMB8	6	120.03	23	A	104.18	GAATGGTTCGTAGGATCTCT	CTTCTCTCTAATCTCAAGC	62
PSMC5		AF069053	17	62.245.622	62.250.198	BC001932	Hs.79387	PSMC5	17	403.90	19	C	196.07	TTGAGATGGCAGTGCTTAAGT	ACCCGGACAGCTTATTTTGAGG	66
PSMD13		AW462407	11	945.884	961.888	AL544574	Hs.279554	PSMD13	11	22.62	29	A	430.99	GGTGAATCCTTTTGTCTGGTA	TCACCGGATTTCACTGTCAGAG	60
PSMD4		AW261142	1	148.002.292	148.015.035	AA085695	Hs.148495	PSMD4	1	550.35	03	A	89.96	CAAGCAATATTATAGGCCGCG	AGATGGCAAGTGAAGGACAAG	56
PTBP1		U65789	19	737.411	752.327	BG683625	Hs.172550	PTB			07	A	119.81	AAGAGAGATGATAGCCCTGCTCA	TGGGAACAGCTGTGGACAGTA	60
PTD004		BE217491	2	174.907.989	174.908.151						02	B	77.95	Dorroch et al. 2001		60
PTGIS		D30718	20	48.758.836	48.823.129	D38145	Hs.302085	PTGIS	20	293.47	13	A	278.07	CAACTCTCTGTGCGCTGTGTCA	ATTTCATACCGTGGGAGGAGC	64
PTGS2		AF031699	1	183.160.838	183.169.425	M90100	Hs.196384	PTGS2	1	639.37	16	D	196.54	CCTATGATGCGCTGAAGAACCG	GGAATACGTTCTTGGTGTGAC	64
PTK2		L13616	8	141.352.887	141.695.778	L13616	Hs.740	PTK2	8	541.51	14	A	0.00	ACACGCCGAGTCAAGTACC	CCTGACACTGATGACTCTCC	56
PTN		X52945	7	136.314.285	136.430.766	AL535180	Hs.44	PTN	7	624.49	04	E	128.31	AGGAGAAGATGCTGCGACTAA	GTCCCTAGTGCTACTAGTAT	60
PTP4A2		AW289350	1	31.798.665	31.830.598	L139000	Hs.82911	PTP4A2	1	94.71	02	E	109.93	GGCTTCTCTCTATTCCACTACA	CAGCAGCACTGACGCTCTACA	56
PTP9Q22		AW289429	9	90.162.980	90.163.247	AL360020	Hs.181480	PTP9Q22	9	307.02	08	D	57.22	TAAAGACAGTGTCTCCGAGC	CTCTGCACTTTGATGTTG	56
PTPN13		U20807	4	87.908.248	88.129.082	D21209	Hs.211595	PTPN13	4	455.87	06	C	261.67	CAGCTGCTGCAACCTGTGATA	GGCGATGTATAGCATGATGGAG	60
PTPRH		AW336910	19	60.368.637	60.396.895	NM_002842	Hs.179770	PTPRH	19	281.76	18	D	6.90	ATGAGGCTTTGAGACTGAG	TCATGACTGTGGCTGAGAG	60
PTPRM		AW462710	18	7.557.819	8.396.854	X58288	Hs.154151	PTPRM	18	57.55	24	A	171.57	GAGCCCTTTGGGTATAACGTGA	AGAGGTTGGTGATGTGTGTG	60
PTPRZ1		AW430276	7	121.053.887	121.242.789	AU124025	Hs.78867	PTPRZ1	7	564.16	04	E	0.00	GTCACTGATAACGAACCTTG	CAGAAAGTTCCTCACTACTC	50
PTTG@		AW336081	8	67.403.061	67.403.432	AW957275	Hs.252587	PTTG1	4	178.39	10	A	453.58	GGAGATGCCAGGTTTCAACA	TGAGCGGTCCAGTTCTGCTTGA	60
PUM2		AW289319	2	20.416.154	20.418.298	AI440136	Hs.6151	PUM2	2	75.01	11	B	29.14	AAAGCATTCGCCCTCCATGTT	GGACATGCTAGGATTTGGGTCA	60
PVRL1		AW289317	11	119.565.615	119.565.961	AI924435	Hs.4213	MGC16207	11	386.00	15	B	142.79	GGTTAGAACCAGGAGAATCTCG	TC1TTTGCAGCTCTGCTGTGA	56
PXMP2		AW267154	12	132.889.165	132.906.549	AI890666	Hs.49912	PXMP2			17	B	128.78	CACCACCTGAGGACAGCGATT	AGCCAGGCTTTAGATCATGAG	64
QDPR		AW462844	4	17.176.371	17.202.205	AI076118	Hs.75438	QDPR	4	73.05	06	C	343.85	CACCTTGGCAACTTCCACAGA	GGACATTTGGAGCGTGACTT	60
R321B4_3		AW565949	19	946.168	961.141	AL555661	Hs.280666	R321B4_3	19	2.40	07	A	220.05	TGTACCACTTTGCCCTTCTACG	GCAGGATGGAGCGGTAGTT	60
RAB10		AW289307	2	26.214.689	26.318.032	BG566566	Hs.236494	RAB10	2	90.83	11	B	38.34	GCCTCTCAAACTTAAAGTCACTG	CTGCTGTGAACATCCATGAA	60
Rab11-FIP2		BF440307	10	119.914.157	119.914.973	N46433	Hs.46609		26	A	294.92	GCATGCACTGATACCTCGATT	GGTCTGAGTTTGTGCTCATGTA	60		
RAB2		AW289299	8	61.152.680	61.257.623	BI460897	Hs.78305	RAB2	8	327.67	14	B	55.43	GGGCATCTTCTAACCAAGTTGT	AAGAGTCTCTCGTTCATCA	60
RAB31		AW428566	18	9.698.164	9.852.549	R44632	Hs.223025	RAB31	18	64.87	24	A	176.21	CAGATAACAATTGGACACCGTGG	GC1TTTGGTTTAACTTCGTATC	54
RAC1		AW266890	7	6.124.383	6.153.934	AA620424	Hs.173737	RAC1			25	B	71.19	TGTGCTCGTGCTAACAAAGTTC	CTCCACAACTCGCAACTGTCA	60
RACGAP1		AW479054	12	50.099.692	50.136.025	BI552517	Hs.23900	RACGAP1	12	195.96	05	A	149.94	ACTCACTAGACTGTCAACC	GTAATGAGGGAATTTTCAG	56
RALY		AW289282	20	33.317.171	33.317.771						13	A	201.91	CTTAGGCTTACCGGAGGACTAAC	CACCTGAGAGTGAAGTGTGAAC	60
RAMP2		AW484551	17	40.821.977	40.823.819	AL553006	Hs.155106	RAMP2	17	303.84	19	C	91.01	TCGTGGTGTGGAGGAGTAAGA	TGCTGGCAGAGGAAAGGAGTAA	56
RASA1		X12602	5	86.602.414	86.726.445	NM_022850	Hs.758	RASA1	5	397.47	07	C	37.99	CAGTGTCTTGCAATGATTTCAGC	GAGCAGTCTCCGACGAATCTT	60
RASGRP1		AW289370	15	36.359.442	36.436.070	AA807122	Hs.182591	RASGRP1	15	111.95	10	A	159.02	AACAGAAATTCACAAGTCC	TGTCAAGCTACAGTACAATC	56
RB1		AW289262	13	47.920.137	47.920.906											

RLBP1		J04214	15	87,340,588	87,349,158	L34219	Hs.1933	RLBP1	15	309.05	21	A	53.55	TGAGAACATCTCTCCGCACTCTG	AGCTTGGGAGGAGAATGACATC	52
RLP49		AW462197	19	54,706,896	54,722,910	BE140741	Hs.39619	LOC57333	19	272.69	18	C	144.49	TCAACTCTTTCCCTGAGACAC	GATCCCTCATCTCATCTTTGG	60
RM004		RM004									15	C	186.98	Kappes et al. 1997		
RM006		RM006									07	A	111.84	Kappes et al. 1997		
RM011		RM011									14	B	57.09	Kappes et al. 1997		
RM012		RM012									07	A	45.64	Kappes et al. 1997		
RM026		RM026									26	A	258.25	Kappes et al. 1997		
RM028		RM028									06	C	111.59	Kappes et al. 1997		
RM033		RM033									23	A	202.91	Kappes et al. 1997		
RM040		RM040									29	A	229.74	Kappes et al. 1997		
RM066		RM066									14	E	15.94	Kappes et al. 1997		
RM067		RM067									04	B	76.83	Kappes et al. 1997		
RM074		RM074									25	A	4.47	Kappes et al. 1997		
RM088		RM088									04	E	140.91	Kappes et al. 1997		
RM095		RM095									01	A	57.98	Kappes et al. 1997		
RM113		RM113									12	C	0.00	Kappes et al. 1997		
RM156		RM156									17	A	46.84	Kappes et al. 1997		
RM180		RM180									14	A	91.12	Kappes et al. 1997		
RM185		RM185									23	A	402.12	Kappes et al. 1997		
RM188		RM188									04	B	66.17	Kappes et al. 1997		
RM192		RM192									14	D	7.44	Kappes et al. 1997		
RM209		RM209									27	A	49.33	Kappes et al. 1997		
RM310		RM310									20	A	49.05	Kappes et al. 1997		
RM500		RM500									05	A	226.99	Kappes et al. 1997		
RME23		RME23									03	A	75.07	Barendse et al. 1997		
RNASE4		AW655683	14	19,142,500	19,158,885	BG562878	Hs.283749	RNASE4	14	5.51	10	A	134.51	TGCCATGAGGGTGTAGTGAG	TACCCACACGGAATGACA	60
RNF14		AW289376	5	141,329,557	141,351,899	BF185163	Hs.215857	RNF14	5	528.07	07	A	279.55	TCCAGAAACAGTCCGTGCTCTT	TGGTTTGGTGAGTGGGTTGGTA	60
RNF7		AW428600	3	142,738,662	142,746,853	BE747000	Hs.14084	RNF7			01	C	92.38	CCTGTTCCTGTGGTCCAAACTTA	GGAGTTATTGAAGCGGTTCCGT	60
RNMT		AW656233	18	13,716,675	13,754,557	BF085269	Hs.8086	RNMT	18	113.94	24	A	181.11	CCAGGGAATCCAGAAGATGA	CAACACCTAGTGACCTGAA	60
ROBO2		AW653888	3	76,952,785	77,502,281	H19148	Hs.31141	ROBO2	3	216.95	01	A	64.91	GAATTGGCTGTCCAGTCTG	ACCTTTGTTCTGATCAGG	56
ROM1		D83385	11	62,630,160	62,633,471	L07894	Hs.281564	ROM1	11	228.95	29	A	322.07	GGGATCTGGGATAGAGGGTTA	CTTCCCATGTCATTCTCCAAC	60
RO2		AW486041	9	87,624,507	88,011,578	BI755277	Hs.155585	RO2	9	303.18	08	D	51.34	CAGTGAAGATGCCGAGAATGTC	TGCAGAGTGCTGTTGCTCCCA	60
RP2		AW464362	X	45,541,691	45,542,164						X	C	117.32	AGCCATCGAAGCAAACTG	CAAGTGCACACAACCTGCA	60
RPE65		X66277	1	68,252,152	68,273,349	NM_000329	Hs.2133	RPE65	1	186.24	03	B	0.00	ATCGTACTCTGTGAGACAGGCA	CAGCTGTAGAGGACTTTGGCTT	60
RPL13A		AW481051	19	54,666,886	54,674,116	BF344443	Hs.119122	RPL13A			18	C	141.65	TAGGGAGACACGAGGGCGAAG	AACCACTCCAGTTGCAGTATTG	
RPL27A		AW461903	11	8,743,112	8,747,540	BI670004	Hs.76064	RPL27A	11	41.02	29	A	454.42			
RPL28		AW487240	19	60,571,825	60,590,731	BE936766	Hs.4437	RPL28	19	304.91	18	D	19.72	CGAGCCAGCCACTTCTCTAC	CGGGCGGTACTTGTCTTC	58
RPLP0		AF013214	12	120,417,363	120,421,767	BC681928	Hs.350108	RPLP0	12	467.31	17	C	60.79	CATTACAAATAATGTGCGCT	CCCAGCCATGGTTGAAGCAAAG	58
RPN2		AW261152	20	36,503,481	36,508,444	BC009430	Hs.169476	GAPD	12	42.22	13	A	214.71			
RPS17		AW266905	15	80,395,592	80,399,292	M13932	Hs.5174	RPS17			21	B	50.90	TATTACAGCAGCAGAAAGAC	GCTCTTGGACTTTGGCAGTTTG	
RPS27A		AW266894	2	55,417,249	55,420,889	AI819123	Hs.3297	RPS27A			11	A	290.06	ATTGGCTGTCTGAAATACTAC	TAATGACTGTCAAAGTCACTGG	56
RPS6KA3		AW465031	X	19,371,258	19,486,804	BG775542	Hs.173965	RPS6KA3	X	93.95	X	C	199.16	TCAACAGCAGAGCATGCACCACA	TAATACCTCTCCGTGAGCAAG	62
RPS8		BE217560	1	44,671,077	44,674,514	BE562978	Hs.151604	RPS8			03	B	68.48	Dorroch et al. 2001		
RRAD		AW312225	16	66,691,053	66,694,884	AJ346146	Hs.1027	RRAD			18	B	29.57	TCTAGACCTTGGGGCACTTG	CTGGGCAGCACTGTCTGTCT	
RRM1		AW244890	11	4,075,284	4,119,378	HS.152072	Hs.2934	RRM1	11	38.68	15	C	87.10	ATGACCTATTAGACCACACCC	GTTTTTACCACCTCTGGCAC	56
RRM2		AW289345	2	10,267,650	10,276,455	BE870132	Hs.75319	RRM2	2	46.30	11	C	15.83	CTGATGTCTTCTACAGCCTTG	CAGGCTAGCTGAACAGGACTTA	60
RTN3		AW484109	11	63,699,857	63,778,259	AW576545	Hs.252831	RTN3	11	235.00	29	A	399.50	ATGCACCTCTCCACCTTCACTTC	CTGAACACAGCAGTGACAAAGC	60
RUNXBP2		AW358694	8	41,529,220	41,650,452	N36014	Hs.82210	ZNF220	8	172.43	27	B	43.44	GGTTCTGAACATGCAAGTCCATC	TCCCATCAGAGTACATGAAGC	56
RXRA		AW461710	9	130,854,493	130,854,770						11	C	92.17	CGAGGCCGAGGAATGAATACGA	AGCTTCAAGGAAACGCCAGT	60
S100A12		D49548	1	150,121,279	150,123,220	AW952195	Hs.19413	S100A12	1	552.71	03	A	63.01	GTCAGCTTTGAGGAATTCGTAGTC	TTAATTCTCTCTCCCTCGGGT	
S100A4		D89056	1	150,343,148	150,345,457	BE789649	Hs.81256	S100A4	1	552.78	03	A	57.54	AAAGTGAAGGCTCCTCAGGTGT	GTTCACTATGGTGCTCACGCTC	64
S100A6		AW462018	1	150,334,171	150,335,790	BF245843	Hs.275243	S100A6			03	A	56.96	CCATAGGCCCTTAAAGTCTCAGC	TAGAGCCACTTGAAGCCCTAC	60
S100A7		D49550	1	150,205,316	150,208,272	BE715341	Hs.112408	S100A7	1	541.76	03	A	58.50	TATTGTTTCTGGGTTGTCCGGAG	CATAGCCACAGACTACCAACCAC	64
S164		AW289321	14	71,515,291	71,578,061	AW188923	Hs.180789	S164	14	189.25	10	A	444.15	TCAGACATGGGAATAGCTGCAC	TAGATCAGGACTTCACCAGGGA	53
SACM1L		AW462454	3	45,550,087	45,606,133	AA249382	Hs.5867	SAC1	3	146.51	22	C	17.03	TGATCTGGTGTAACTGCGCTTG	TAGGTTCTCTCCATTCTGTGG	56
SACM2L		AW461740	6	33,221,111	33,233,289	AL524313	Hs.169407	SACM2L			23	A	129.88	ATCAATCAGACGATTCGCCAACG	ATCAGAAACACAAGCTGCTCCT	60
SAD1 (3)		AW289187	2	85,833,760	85,834,114						11	A	323.34	TGGAAGAAGGGTGTTACTGG	TGTCACCTCAGCTGGTCTTTG	60
SAD1 (5)		AW267095	2	85,790,093	85,790,256	AI078617	Hs.16959		2	294.16	11	A	331.79	CCACACAGCAGGAACATTTGGA	CAGGGCCACCAAGATGAGGAAC	54
SAG		J02955	2	234,232,819	234,272,043	NM_000541	Hs.32721	SAG	2	722.50	03	B	112.20	AAGGAAGAGAAGACAGACCA	ACGTCACTAAGGGCTAACT	64
SAH		BE217476	6	36,015,252	36,015,457	BI826935	Hs.181345	SAH			23	A	202.91	Dorroch et al. 2001		
SAT		AW266989	X	23,003,344	23,006,379	AL542813	Hs.28491	SAT	X	101.24	X	C	179.75	AAACATGCAACACGCCACTG	GTGAGGAGTGTGGTGTAGAA	58
SC4MOL		AW267122	4	166,715,045	166,730,305	T64660	Hs.239926	SC4MOL	4	662.14	17	A	36.64	TCAGGACACTGCTTTAAGTACA	TGATCAGTTCGAAATGACTC	60
SCAMP2		AW289207	15	72,711,998	72,741,629	AI365534	Hs.238030	SCAMP2	15	258.61	21	B	68.30	GCTCAGCTCCATCATCTTC	AACCTGTATCTGCTCTCCA	60
SCARB1		AF019384	12	124,986,118	125,072,462	Z22555	Hs.180616	CD36L1	12	484.96	17	C	18.75	AGGTGTGTGCAGATACTCAGGA	GCCTGTGGAATTACTTGGAGAGA	60
SCARB2		AW462095	4	77,472,988	77,473,340	AI357056	Hs.349656		4	437.56	06	C	303.71	TGTTATCTGATCAGAGGCTCCCA	TTCTGTCTCTGTGTCAACTCC	60
SCG2		AW447344	2	224,425,679	224,431,140	NM_003469	Hs.75426	SCG2	2	697.35	02	E	45.70	GGCTCAACTGAAGATGATCGAC	TTGCTTACCAGGGCCAGTTT	
SCIN		D26549	7	12,320,540	12,403,564	AF276507	Hs.210473	SCIN	7	60.21	04	B	66.17	CATGAGCCACCTACTTTCACAG	ATATGTACAGATCCAGCAGAGC	64
SCML1		AW289428	X	16,957,646	16,975,156	N67580	Hs.109655	SCML1	X	88.99	X	C	217.52	GGCACAGCATCTTCACAAACAG	CACCTCAGGGTTTCCATACAGG	
SCNN1A		U14944	12	6,335,647	6,364,292	Z92978	Hs.2794	SCNN1A	12	37.53	05	A	390.19	GGAGATGAAGCAGCATGGATAG	CAGAGATCCAAAGTTTGGCTCAG	60
SDCBP (3)		AW289422	8	59,188,919	59,218,602	AJ302820	Hs.8180	SDCBP	8	322.13	14	B	18.51	GTGTCACTTTTGACGAGGGAG	AGTGGGCTAAGACCTGATTGTG	60
SDCBP (5)		AW261148	8	59,218,271	70,581,022						14	B	0.00	GGGAGGAGGCAGGAATGGAAC	GTAGATTAAAGGGGCTAAGACC	
SDHD		U50987	11	111,991,523	112,024,066	BG779642	Hs.168289	SDHD	11	367.60	15	B	91.26	TGATTGTACACCTCTTGCCTC	TCCATCTCCGCAACACAGAC	62
SDR1		AF061742	1	12,208,899	12,258,779	BC002730	Hs.17144	SDR1	1	51.32	16	D	214.33	AAAGACAGGAGCGGAGAAACAGG	GGTCAAGAGTTATGCCCATCATG	64
SEC10L1		AW289333	14	55,663,564	55,725,652	AW014402	Hs.29494	PRO1912	14	130.35	10	A	376.70	TGGCAACAGTACAGACATATGAC	GCCAGTGTATTACAGTAAGC	60
SEC23A		AW354499	14	37,491,162	37,562,478	AW967503	Hs.272927	SEC23A	14	85.96	21	B	188.65	TGCATGCTTTTGTATTTCCTT	CTGTTCACGAAATGGAAGCA	60
SEL1L		AF013068	14	79,927,934	79,990,225	AA593667	Hs.181300	SEL1L	14	218.09	10	A	457.45	GGTGTCTTTTCAAGTGTACG	TCATCTCACAGCACCAGTTT	60
SELE		L12039	1	166,387,814	166,399,235	NM_000450	Hs.89546	SELE	1	611.10	16	C	65.72	CTACTGCATCCACCGGCTACAT	CCAGTAGCCATTCTTCCCTTCC	60
SELL		X62882	1	166,355,840	166,376,871	X17519	Hs.82848	SELL	1	611.10	16	C	65.72	GCCTGCAGCAGGGAGTTAATA	GGAAGTCCGAAGCCAGAACTAAG	60
SEMA4D		AW437778	9	85,576,665	85,679,318	AW499893	Hs.79089	SEMA4D	9	297.91	08	D	69.89	CTATGCCGGTGTCAACCTGAC	ATGAGGAGGGGCAAGTGAT	60
SEMA5A		AW655667	5	7,964,013	9,074,650						20	C	18.30	CAGCGTGTTCCTGTCATAC	TAGGTGGGTGGGAAGGCGAC	60
SENP1		AW356797	12	48,154,092	48,216,382	AA489050	Hs.66450	SENP1	12	197.09	05	A	159.42	ATTGAGAGTGGGGTTCGGTT	CATCTAGAGGGGGTGGAAG	60
SEPP1		D25220	5	42,799,833	42,826,139	AJ138630	Hs.33134	SEPP1	5	15						

SFPQ	X73730	1	35,070,436	35,070,868	AA329695	Hs.180610	SFPQ	1	109.64	03	B	125.31	AAACTCAGGTTCTTGTCTGTC	CCGTGCCACAGTACACAACAAT	
SFRP2 (3)	AV592376	4	155,168,924	155,175,943						17	A	31.10	AGTGCCACCCGGACACCAA	AAGCGGGACATGACTGGAGC	67
SFRP2 (5)	AW266882	4	155,167,931	155,176,406	AI536580	Hs.31386	SFRP2			17	A	21.89	ACAACITTTTGGGGTCAACTAC	GATTGACCCGACTCACTTTAAAC	50
SFRS12	AW289180	5	65,410,609	65,447,163	AW304908	Hs.42724		5	337.30	20	A	44.86	CTTCCATATGCAACCCAAGC	CCAAGTAATGAAGCCCGGTT	60
SFRS3	AW289216	6	36,563,075	36,574,696	BG112226	Hs.167460	SFRS3	6	137.76	23	A	180.39	GCACAGTAACCTCAATTCAAGTCTC	AAGGTTGTCCAGTTGGTGTAGA	60
SFRS7	AW464949	2	38,928,453	38,936,267	BF881152	Hs.184167	SFRS7	2	121.38	11	A	144.60	GACGTCCTTTGATCCCAAT	AGGCGACTGACTCAACAGCAA	62
SGKL	AW478271	8	67,348,140	67,497,440	AA423971	Hs.214131		8	358.38	14	C	15.23	TTGATGCCCTCAAGAACCAAGC	AGCAGAACTTACAGTAGTGCCGA	60
SH3BP5	AW461956	3	15,288,218	15,374,753	AW673562	Hs.109150	SH3BP5	3	67.51	01	C	129.65	CTTGTGTGATGGCCCGCTTGA	AGCGAGTTGGTGCAACAAGGA	60
SIABHP1	AW462639	8	144,674,090	144,687,108	HA425703	Hs.74562	SIABHP1	8	563.83	14	A	13.95	CTTTTGGGCTCTACAAGAGCAT	CCGACGATCACGGAAATTCAT	60
SILV	M81193	12	56,064,637	56,076,563	S73003	Hs.95972	SILV	12	245.85	05	A	303.10	AGTGGACAGCAGGTTCTGAGT	GGCAATGGTAGTCTCTGAGG	60
SIP1A	AW289407	11	65,655,739	65,668,545	BF683752	Hs.7019	SIP1A	11	237.88	29	A	409.63	ACACAAGAGCAGTGGCTTC	CCCATTTCTCGTGACACAG	60
SLC17A3	BE217488	6	25,938,411	25,938,616						23	A	390.33	Dorrock et al. 2001		
SLC18A2	U02876	10	119,131,830	119,170,167	L14269	Hs.18119	SLC18A2			26	A	291.54	ACTCATCCCTGGTAAAAGTC	CTCGAAGTGTCCTGGAGATA	60
SLC1A3	D82056	5	36,606,831	36,688,574	D26443	Hs.75379	SLC1A3	5	124.36	20	A	107.22	TAGGCTCTCAGTGTCCCATCTA	CTGCTTTGAAAGTCCCAGTCTC	60
SLC20A2	AW464753	8	42,014,940	42,138,015	L20852	Hs.347527	SLC20A2	8	189.24	27	B	35.99	CTCGAGGCTTAGGAATCAGA	TCTTTGTGTGTCGGTGGATG	60
SLC24A1	AF025664	15	63,482,603	63,527,106	NM 004727	Hs.173092	SLC24A1	15	220.32	10	A	47.20	ATCTTGGCCCTGTATCTGTCTGA	GTGACGAGAGGTGCAGTAACCT	64
SLC25A3	X77338	12	98,920,412	98,928,434	X60036	Hs.78713	SLC25A3	12	384.31	05	A	318.16			
SLC25A4	M24102	4	186,648,872	186,652,876	BC008664	Hs.2043	SLC25A4	4	683.27	27	A	13.84	TTTCTTCAAAGGTGCCTGGT	CCCTCTGAGGTATTCCTTTCAA	52
SLC25A6	M24103	X	1,081,075	1,092,269	BC008935	Hs.164280	SLC25A6			X	D	49.88	ACGGACCCACCACTTCGAGAAA	CATAATCGGCGGTATTCGGGCTG	50
SLC2A4	AB005286	17	7,127,864	7,133,960	NM 001042	Hs.95958	SLC2A4	17	53.83	19	B	30.10	ATTGGGCAAGCTGGAGGGAAAC	AGAGTCTGGGCAAGAAITTCGGA	64
SLC30A6	AW358065	2	32,348,643	32,406,878	BG497249	Hs.23248	CARD12	2	128.20	11	A	65.29	GCCACTCTATGCATGTCTTCTC	AGCACCTTTGGAAGGACCAAC	60
SLC34A1	AJ224334	5	176,747,058	176,761,440	NM 003052	Hs.936	SLC34A1	5	636.94	07	A	191.06	GGCTGCAGACATGGGACTTCCT	GAGTCTAGAGCAGCGGTGGCGTT	66
SLC3A2	AW653167	11	62,874,459	62,907,227	BG284627	Hs.79748	SLC3A2	11	230.44	29	A	357.31	ACAATTCGACCCCAATTTTG	AGGGTTCTGGCCCTGTAGT	60
SLC4A7	AW289250	3	27,264,015	27,348,045	AV715408	Hs.132904	SLC4A7	3	116.82	22	A	37.82	TACATCCGGAATCTGAGCAC	GTGGTTTCTGAAACAGAGGT	60
SLC6A2	U09198	16	55,428,317	55,475,612	M65105	Hs.78036	SLC6A2	16	354.28	18	A	194.25	AGGCTGTCTCTTGCCAAAGGAT	GCAGCGTGGCACAACCTCTAAAT	60
SLC6A9	AF027197	X	150,539,095	150,547,743	BC012355	Hs.187958	SLC6A9	X	350.51	X	B	142.45	AGCAAGGTGGTGGTGGTGGA	CGGTGTGCACCACTTGGTGTAT	60
SLC7A5	AW437331	16	87,604,485	87,643,949	AB017908	Hs.184601	SLC7A5	16	487.67	18	A	135.11	ACACTGACCCCAACAGAGAT	AGCCTGGAGGACGTGAAGAG	60
SLC7A8	AW462183	14	21,584,634	21,642,984	AA812880	Hs.22891	SLC7A8	14	18.62	10	A	127.25	GTTCGCGAATCTGGAGCTAT	CTTAGCACACAGATGAGGTGG	56
SLIT2	BF652805	4	19,943,231	20,309,137	BE799037	Hs.29802	SLIT2			06	B	51.40	GTCGGCCCTCAACAAACAT	GGATTCCACTGTCTTCATCT	60
SMAP1	AW289346	6	71,327,637	71,521,872	BE550679	Hs.42723	FLJ13159	6	308.66	09	A	23.95	TGGATACACCTCAAGGACGAGT	GCTTAAACAGGGAACGTGGTAG	60
SMARCA1	AW418211	2	217,241,218	217,311,798	BE677496	Hs.16933	SMARCA1	2	671.89	02	E	0.00	ACAATTGAGCTCCGTGAGCA	CGGTTCAACCAGAACTTTA	60
SMARCF1	BE217576	1	26,304,662	26,305,105						02	E	121.93	Dorrock et al. 2001		
SMHC	SMHC									23	A	385.13	Barendse et al. 1997		
SMN1	AF035323	5	69,032,127	69,060,194	U18423	Hs.288986	SMN1	5	346.96	20	A	32.07	TAAGCACGCTCTGAAGAAGC	CTGCTTTGAAGGACTTGTGG	60
SMTN	AW462393	22	29,818,764	29,819,107						17	C	107.40	CCTCCATTCTCCTCATCTCCAGT	CCGATGTGCTTAACAGCAATGGT	60
SNAP23	X73745	15	40,416,332	40,416,670	AW137407	Hs.184376	SNAP23	15	142.17	10	A	180.11	TCTTCAGACCCCACTCCATATT	CCACAGGATCTCAGTGGAT	56
SNAP29	NM 004782	22	19,537,846	19,568,663						17	C	124.65	TGGACCTGAAGTAATTTGACG	TGCAGCGCAGACAGGAAGATG	60
SNRP70	AW483979	19	54,264,547	54,287,889	AW261951	Hs.174051	SNRP70	19	269.13	18	C	123.93	CTCAGGGTCTGCGCAAC	CCGACGCTCCATCAGATA	58
SNRPB2	AW462538	20	16,658,806	16,670,419	BG575779	Hs.82575	SNRPB2	20	88.78	13	B	0.00	ACCAATGCCAATCCAGTATGCC	CAGTGTGTGAGTCTGTTCAC	60
SNX10	AW346349	7	26,039,787	26,122,221	AV691722	Hs.106280	SNX10	7	111.81	04	B	99.39	GGTGTGCTGTACTTTAAG	CAAGTGTATCTCTCTC	50
SNX5	AW428402	20	17,870,244	17,897,490	BG718033	Hs.71935	LOC58495	20	92.91	13	A	51.32	TCTGTTCATCTGCTGCGCCAA	TCTTCACTGTGTGGCACTT	60
SOC	AW261188	1	25,840,863	25,877,898	H46429	Hs.109051	SH3BGL3			02	E	121.93	CAGAGCCTTGCCATATGGAATC	ITCAGACGACCAATTCCTCACC	60
SOD2 (3)	S67819	6	159,948,615	159,948,700						09	B	67.36	GGGACACAAGCGATCGTCT	GCTCGCAGCAACATGGTGA	64
SOD2 (5)	BE217584	6	159,933,587	159,933,851						09	B	67.36	Dorrock et al. 2001		
SP1	AW267153	12	53,490,726	53,522,340	BE940420	Hs.2021	SP1	12	227.68	05	A	147.97	ATTCTGCTGTGGGACTAAGGA	TGGGATCAGTCTTCTGCACTCT	65
SP140	AW431833	2	231,054,465	231,141,949	AV760490	Hs.309943	SP140	2	712.72	02	E	94.45	ATGATCAGAGGACGACCAACC	CTGCGATCTCCACCTTCTTT	60
SPARC	AW266930	5	151,025,155	151,050,041	AA877083	Hs.111779	SPARC	5	584.80	07	B	0.00	GTCAACTCTTCAACCGTGGC	ITTCAAACTCAATGGGATGGTG	60
SPARCL1	AW427728	4	88,787,270	88,843,383	AI459767	Hs.75445	SPARCL1			06	C	266.58	CCATGGAACATCGATCAACG	TAATTTCAAAGCAGTGGGCC	60
SPF30	AW289377	10	112,184,025	112,195,923	BI714835	Hs.79596	SPF30	10	497.34	26	A	253.65	GGCTTAAACTCAACTCAGGA	GAAACCATGTTTAGGACCAAG	60
SPG7	AW631728	16	89,276,899	89,327,164	AI553563	Hs.296847	SPG7	16	490.14	18	A	141.32	GGACCAAGTATGACCGAGAGC	GCACCAAGTCATTCCAGGAG	62
SPIN	AW312157	9	84,558,360	84,648,633	AI354808	Hs.289043	SPIN	9	299.54	08	D	64.99	GCAGCATTTGAAGCGACTGT	AGACTAGACGCCAATGCACT	60
SPINL	AW462620	16	28,984,618	28,994,385	BG830647	Hs.293860	LOC83985	16	222.53	25	A	118.97	GATTACAGCTAGGACGAAGGA	CAGGTTCTATCAGGACAGAGC	60
Spir-1	AW326764	18	12,436,514	12,647,966	AW665407	Hs.16758	Spir-1	18	95.74	24	A	170.72	TGGTATTGGAGGGCACTTC	CTCTACATGACAACITCTGCG	60
SPOCK	AW359237	5	136,341,852	136,865,858	AW381962	Hs.349671	SPOCK	5	494.29	07	A	252.02	TCCAGGAAGGTAATGAGAT	CTTACCAAGTGAGGCATGA	56
SPON1	AW289310	11	14,325,485	14,325,676						15	C	18.03	GGACAGCAAGCACTAGAGGAA	GACAGCAGCCCACTCAATAAGC	60
SPP1	S45840	4	89,289,590	89,297,342	BF130155	Hs.3133	SPP1	4	437.59	06	B	11.34	GCCTTGAAGACAAGCTAGACCT	AGGGTGTTCACCATGAAGCCA	64
SPRY2	AW266964	13	79,846,749	79,851,724	BG055247	Hs.18676	SPRY2	13	230.54	12	A	154.29	AACCCCTCATTTGGCAGCACT	AAGACTCTGATTCTCCCTTGG	64
SPS2	AW428592	16	30,451,898	30,454,209	AJ158221	Hs.118725	SPS2			25	A	142.71	TCTGCCCTCTCCAGTCTCTAAA	CTCTGGACAAGATTGAGCAGC	59
SPTBN1	AW266915	2	54,711,216	54,854,520	AA947498	Hs.324648		2	162.57	11	A	290.68	GGTACAGCTCATACAACCTGAA	CCTTGCTGTTTGAACATAGTG	60
SOLE	AF098865	8	125,679,522	125,703,323	AF098865	Hs.71465	SOLE	8	474.73	14	A	132.24	GACCCAGAAGTATCATCTGT	TCTACTTTGGCTGCACTGCTT	52
SR140	AW289396	3	144,001,992	144,060,636	BG031836	Hs.7976	KIAA0332	3	516.41	01	C	94.50	TACTACTGCCAGCACTCCA	CTGCATCTGAGCACTGTGT	60
SREBF1	AW462480	17	17,657,720	17,683,350	BF726660	Hs.166	SREBF1	17	103.48	19	C	37.65	TGCAAGTCTGCTGGTTTCCAGAG	TGCGATCCCAAGCTGTGTGT	50
SRP72	AF013091	4	57,183,425	57,219,762	AA872737	Hs.237825	SRP72	6	616.27	06	C	92.56	CCTACTTGTACCACTTGTCTC	CACCAAGTCAGCACACAAGAG	60
SRP9	AW289228	1	222,384,995	222,385,601	BG178488	Hs.349541				16	C	50.48	CTGACCTCTCTGAACATGCCA	CCAGCCCGTTCTGTCTTTAGT	56
SS18L2	AW483510	3	42,442,574	42,455,722	AA553690	Hs.9774	SS18L2	3	120.18	22	A	176.11	TGAGTGTGGCTGTGTGAGGAGT	GGCAGCAGAGGTTCCATTCAGAT	60
SSR1 (3)	AW266906	6	7,279,427	7,279,726						23	A	418.01	GGGAGGGTTTCTGAAGGTGTGC	TACGGCTAGTATTCTAAAGGCG	60
SSR1 (5)	AW267016	6	7,277,802	7,303,546	BE814318	Hs.250773	SSR1	6	40.68	23	A	421.88	CAACAGCTTACTCTCACAAG	ATTAAITTGCTGCACCAAGC	47
STAT1	AW289395	2	191,797,784	191,842,959	BF692353	Hs.21486	STAT1	2	616.74	02	D	16.30	ATTCTCAAGGGAGCTACACAGG	ACAGGCTCTTAAAGGCAATCC	56
STAU2	AW267147	8	74,162,799	74,465,892	R39788	Hs.96870	STAU2	8	374.87	14	D	0.00	AAATGTCTATGGGCAAGAAAG	TAGAAGATGATAGGGCCAGCTTG	60
STCH (3)	AW289402	21	14,667,202	14,667,643	BE538875	Hs.288799	STCH			01	A	66.45	CTGGAGAATGCAGGTTACATGA	CTGTAACCAATTGCGATTGCCA	56
STCH (5)	AW267080	21	14,665,474	14,665,566	AA045519	Hs.288799	STCH			01	A	66.45	TGATCTTCAAGAACGCTCATAC	GTGAATGAATGTTTGGTGTGAC	60
STE	X56395	4	70,956,861	70,975,800	AI340082	Hs.54576	STE	4	420.42	06	C	176.41	TGTGTTCTTCAACCTTCTCTAC	GGATAGAAGGAACCTGAAGCA	60
STK13	AW426488	19	62,419,764	62,420,937	AC005261	Hs.117077	ZNF264	19	287.82	18	D	0.00	CCAGACACCCCAATATCTCTG	TGGCTGTACGCTGTTCATCA	58
STK17A	AW461403	7	43,329,444	43,372,502	NM 004760	Hs.9075	STK17A	7	208.89	04	D	0.00	GACCAAGTGTGTTCGATAGAG	CATCATGAGCGGTGAGGAAG	60
STK24	AW462658	13	97,941,052	98,065,											

TAF2 (3)	BE217511	8	120,411,813	120,513,872	NM_003184	Hs.122752	TAF2B			14	F	0.00	CTGGGAAGAAGTATTCTGTC	CCCTCAGCGTGAGTATACC	
TAF2 (5)	AW267130	8	120,411,813	120,513,872	BG654590	Hs.122752	TAF2B			14	F	15.20	CTGGGAAGAAGTATTCTGTC	CCCTCAGCGTGAGTATACC	60
TAMLS113	TAMLS113									23	A	393.36	Barendse et al. 1997		
TANK	AW425378	2	161,957,490	162,056,706	BE929369	Hs.146847	TANK	2	537.23	02	B	54.30	CTTGGGTTCTAGTTAGAAC	CAGTGAAGCACTAATGTT	56
TBC1D1	AW659593	4	37,850,891	37,975,438	BF971677	Hs.278586	TBC1D1	4	180.02	06	C	22.11	AACCGTGCTGTGTAGTGCTTC	TGTCATACCCCTGTGGAAGG	55
TBCD	U61233	17	81,239,652	81,429,122						19	C	217.59	TGTGAGGGACCCGGTGTCTGTT	GGGATGAGGACAGAACCCGA	60
TBL1X	AW314864	X	8,777,817	9,034,225	AI652642	Hs.76536	TBL1	X	83.98	X	D	12.22	CGGTGTTAGATCTGCCAAG	ITCGGAGCTGACGGAATTGT	60
TCF4	AW266895	18	52,829,119	52,829,212						24	A	192.72	AAGAGTTTCAGCTTCCCAGCAG	GCAGCATGGGTGGTAAGATGAG	56
TCN1	AW478378	11	59,871,167	59,884,931	AA155640	Hs.2012	TCN1	11	221.63	15	C	243.88	ACCTCTGTTCCAGGCATAAAG	CAGCTGAGGAAGTTTGA	56
TCTEL1	AW261144	6	158,890,935	158,899,196	AA101848	Hs.268940	TCTEL1	6	614.82	09	B	67.36	TTGTGGCACTCTCAACATGTAG	TTTGTGGCACTCTCAACATGTAG	
TE1L	AW289241	6	122,688,161	122,728,123	BF379551	Hs.146668	KIAA1253	6	504.30	09	A	171.18	CCAAACACAATAAGGTGAGGA	TTCTACACAACCTGAGGCCA	
TEGT	AF093741	12	49,852,058	49,875,256	AI627375	Hs.74637	TEGT	12	218.94	05	A	151.54	CCACCTGTAAATGTGTCAAAGA	AAGCTCATGATGATCCTGCCTA	56
TEK	X71424	9	27,099,237	27,220,172	NM_000459	Hs.89640	TEK	9	80.71	08	A	112.02	CTGGAATCAGAACTCCCTGTGGT	AGGACATGTTGTGTGCTCTGG	60
TERF2	AW426516	16	69,124,947	69,155,289	AI244609	Hs.100030	TERF2	16	412.79	18	B	40.61	CCTCTGTAGGCAGGTTTA	GCTAAAAGACAGTCGTT	56
TEXAN2	TEXAN2									02	B	66.18	Kappes et al. 1997		
TF	U02564	3	134,746,710	134,779,460	BG700910	Hs.284176	TF	3	473.70	01	C	101.92	GCATGCACTTTCACAAAACC	ACTCAGACCAGCGAAACCAGAT	60
TG	X02815	8	133,550,129	133,818,041	U93033	Hs.305916	TG	8	515.63	14	A	46.54	GTCAGCCTATTCTCGGAACTCGAAG	CCCAGCGTTTCATACCCTCAAAGGC	54
TGFBR3	AW289380	1	91,485,511	91,709,087	AW304739	Hs.342874	TGFBR3	1	259.83	03	A	142.09	CTCAAACTGGCCACAGGGAT	TTGTTGGGTGACTCTGCGCT	58
TGLA10	TGLA10									08	B	9.43	Kappes et al. 1997		
TGLA126	TGLA126									20	A	62.06	Kappes et al. 1997		
TGLA159	TGLA159									04	E	153.28	Kappes et al. 1997		
TGLA176	TGLA176									07	A	47.95	Kappes et al. 1997		
TGLA179	TGLA179									27	A	0.00	Kappes et al. 1997		
TGLA226	TGLA226									02	D	34.73	Kappes et al. 1997		
TGLA227	TGLA227									18	D	48.95	Kappes et al. 1997		
TGLA263	TGLA263									03	A	128.29	Kappes et al. 1997		
TGLA337	TGLA337									21	B	139.46	Kappes et al. 1997		
TGLA377	TGLA377									02	B	84.45	Kappes et al. 1997		
TGLA4	TGLA4									10	A	167.13	Kappes et al. 1997		
TGLA431	TGLA431									02	A	68.35	Kappes et al. 1997		
TGLA44	TGLA44									02	A	38.53	Kappes et al. 1997		
TGLA53	TGLA53									16	B	81.29	Kappes et al. 1997		
TGLA57	TGLA57									01	B	17.29	Kappes et al. 1997		
TGM2	X60686	20	37,395,292	37,428,431	M55153	Hs.8265	TGM2	20	231.85	13	A	228.98	GGGCCCTTTTGAATCGAATGTA	CAATCAGTTTGGTGGGTGGTCA	64
TGOLN2	AW465358	2	85,506,728	85,513,118	AA148440	Hs.14894	TGOLN2			11	A	266.18	AACAAGGAGTCCACCAAGCTTC	GGGCTCCACATCTTCAGTTAGT	60
THBD	M14657	20	22,974,635	22,978,683	M16552	Hs.2030	THBD	20	112.03	13	A	52.74	GCACCTTAGCTGGCCTCAGAAT	ATCCCTGCTCGCTTGTCTGATG	64
THOC2 (3)	AW326904	X	120,687,199	120,687,446	AV682692	Hs.81376		X	299.80	X	A	18.18			
THOC2 (5)	AW289303	X	118,751,796	120,688,453	AA448288	Hs.81376		X	299.80	X	A	18.18	AAATCAGAGCTAGAAGGCTC	CATCAGTATGAACAGGAAC	60
THC	G11172	17	38,129,401	38,180,456	X55005	Hs.724	THRA	17	308.38	19	C	72.96	GCTGTGCCGCTTCAAGAAG	CGCCTCTGTTTCCAATGG	
TIC	AW428019	2	113,838,389	113,867,305	BF844053	Hs.110121	TIC	2	412.66	11	A	336.69	AGCAGTGCAGGAGATGACTT	GATGGGACGGACGAATTTGCAC	60
TIE	X71423	1	43,196,495	43,218,609	B60957	Hs.78824	TIE	1	130.22	03	B	88.26	CACATATGCAGGCATTTGACG	AACCAATTCTTGGGAGCAG	56
TIMP3	U77588	22	31,522,195	31,580,958	D38524	Hs.135893	NT5B	10	482.20	05	A	330.61	CCCTTCCCCTTAGCTTCCCTT	CTATCTGCTGGCTGCCCTTGAC	56
TJP1	AW447393	15	27,572,440	27,694,790	AI982712	Hs.74614	TJP1	15	55.49	21	B	0.00	GATCACCAGAGAAAGAAATA	AAGAACTTGGTTTATG	64
TJP2	AW485499	9	65,359,200	65,440,237	BE870806	Hs.75608	TJP2	9	219.51	08	B	37.53	AAGGCCCTTGCCAGACTTTAT	AATTCTGTGTCCCGGATGCG	60
TK1	M15205	17	76,631,221	76,644,206	K02581	Hs.105097	TK1	17	501.01	19	D	0.00	GACATCATGGAGTTCTGCGAGG	TGCCGAGCCTCTTGGTATAGG	
TK2	AW669082	16	66,280,194	66,321,184	BI759097	Hs.274701	TK2	16	396.70	18	B	22.44	CGAAGGAAGCTCAGTTTGCTG	ACCAAGCTTCGGATTCTCCA	60
TLK1	AW289208	2	171,812,594	171,981,434	AF162666	Hs.18895	TLK1	2	565.75	02	B	84.45	TTATTACAGGCTCATGATCCAC	ITTCAGGCACCTTACACATGGCT	52
TLOC1	AW289224	3	171,086,025	171,114,157	AA236805	Hs.8146	TLOC1	3	628.46	01	C	33.23	CATAGCAGTCTCCTGTATCTGA	GTGATCTTTCTACAGCAGCTTC	
TMEM2	AF013070	9	67,868,402	67,953,527	AA866026	Hs.160417	TMEM2	9	252.75	08	B	60.59	GGTAGCACTCTGAGGTAGCATA	GAAACATGGTCAGGCTGTCTT	60
TNF	AF011926	6	31,602,214	31,604,976	NM_000594	Hs.241570	TNF	6	118.32	23	A	347.40	TCTCAAGCCTCAAGTAACAAGC	ATGAGGTAAAGCCCGCTCAGC	57
TNFRSF25	AW289372	1	6,117,948	6,122,987	BE670189	Hs.180338	TNFRSF12	1	25.38	16	D	244.11	GGCCTCAACCAATACAAGC	GTACGGTTACTTGATGCGTG	60
TNFSF5	Z48469	X	133,675,149	133,687,329	NM_000074	Hs.652	TNFSF5	X	320.00	X	A	22.24	CTGATCCAAGTCAAGTGAGCCA	TTGTGAAGACCAACAGCATG	60
TNN1	AW445656	19	60,328,294	60,329,311						18	D	26.23	TACCTCCTGTGATCCCGCCAAA	CTGCTCAAAAGTGAAGCTCATG	60
TNXB (3)	Y11915	6	32,034,938	32,103,182	NM_019105	Hs.169886	TNXB	6	145.45	23	A	358.73	GCTGTACTACTGGAAGGGCTTCG	TCCGCTGGTGGCTTGATGTT	
TNXB (5)	K01333	6	32,032,943	32,035,421	AL049547	Hs.278430	CYP21A2	6	143.95	23	A	347.40	Barendse et al. 1994		
TOX	BE217422	8	59,441,162	59,754,952	AA877084	Hs.184297	KIAA0808	8	323.87	14	B	52.10	Dorroc et al. 2001		
TP53	BE217496	17	7,514,550	7,533,728	M14695	Hs.1846	TP53	17	53.63	19	B	45.60	Yang and Womack, 1995		
TP53BPL	AW632065	9	32,530,825	32,542,602	NM_005802	Hs.179982	TP53BPL	9	121.03	08	A	89.41			
TPBG	AW484355	6	83,023,695	83,026,802	AW189939	Hs.82128	TPBG	6	365.09	09	A	89.53	CAAGGTGTAGCAAGTGACTCT	GTCTGCAGGCAGTTTATGAA	60
TPM1	AW289408	15	60,913,787	60,943,010	AL048451	Hs.77899	TPM1	15	212.72	10	A	291.40	TGGTGCCACATCTTTCACT	GAAGCTTTTGAAGCCACTGTGC	
TPS1	X94982	16	1,218,338	1,220,215	AF206667	Hs.347933	TPS1	16	30.02	25	A	26.66	TACACCCGCTGCACCTCCTA	GGTCATCAGGTGTGGGCACCT	58
TPS11	AW430163	7	65,068,128	65,223,243	BI824307	Hs.17279	TPS11	7	376.36	25	A	148.24	AGGCCAATAAAACCTTTG	TATCTGCTCAAAAGCCAG	50
TRAD	AW353439	3	125,585,155	125,721,265	NM_007064	Hs.162189	TRAD	3	443.76	01	C	12.32	CGCAGGAAAGGATAAAATC	ACATTTTCCAGTTCCAC	60
TRADD	AW426031	16	68,923,569	68,929,270	BE326626	Hs.89862	TRADD	16	404.27	18	B	0.00	TGTACGGGCTCTCCAGACT	CTGAACCGCAGTTGCACCAT	65
TRAF5	AW432047	1	208,139,146	208,187,390	AW836251	Hs.29736	TRAF5	1	694.61	16	D	192.56	CGTGGGAAGTTATTAGGTCAAACCAC	GAAGGAGCACTCTTCTAGCCATCG	53
TRAF25	AW464786	8	118,201,750	118,221,299	BF732927	Hs.336898		8	466.59	14	D	11.19	GATCAGCTCTCGCAACTTTC	GTTCGCTACTGGAATGGGA	50
TRBV30	AJ006347	7	141,904,352	141,904,626	BG201301	Hs.303157	TRBV30	7	653.50	04	B	66.17	AGCTCTTCTACTGCTTAGTGC	CTTAGACTCAGGGTAAACTGG	
TRHR	D83964	8	109,768,532	109,800,606	NM_003301	Hs.3022	TRHR	8	445.64	14	E	13.78	GAACTGAACCAACACGATGCT	GGGTCTCATGTGCTTGGCT	56
TRIM11	AW485469	1	224,966,920	224,980,083	BE280813	Hs.13543	TRIM11	1	720.07	07	A	23.49	TGCAGGACATCAGGGACACACT	CTGTGTGAGGATCCAGGGGTGAT	56
TRPC1	AF012901	3	143,724,877	143,808,338	X89066	Hs.250687	TRPC1	3	516.31	01	C	97.34	TCGCTACTTGAATCTCCATGAGA	AGTCCGAAAGCCAAAGTAATCC	64
TRPC2	AJ006304	11	3,606,922	3,618,062	X89067	Hs.131910	TRPC2			15	C	90.76	GGTCATTTCCTCTTGTGTGCT	TCACATCCTCTGGAGACATCTG	64
TRPC4	X99792	13	37,147,431	37,380,575	AF063822	Hs.262960	TRPC4			12	A	75.63	CAGACACCATACCCACGAAGA	ACCACCCAGCTCATACGGAAGA	
TSBH	K01939	1	114,672,560	114,677,003	NM_000549	Hs.53213	TSBH	1	373.68	03	A	112.62	GACTTCATGTACAAAGACTGC	GTCAATTACACTTGGCCAC	54
TST	M58561	22	35,649,946	35,659,265	D87292	Hs.248267	TST	22	115.04	05	A	359.81	TTTGAAGAGCCAGGAGGA	GCTGGCACTCTACCCAGCA	54
ITC3	AW352731	3	37,456,339	37,458,441	AA554904	Hs.349774				01	C	129.21	TGGTCCCTTGGCATGAGTAAC	GGAGAAACGCTTCTCAAGCCT	60
TU12B1-TY	AW484933	12	104,099,060	104,099,339	R43395	Hs.6341	TU12B1-TY	12	410.35	05	A	326.80	CTGTAAACTTCCCGTGTGAG	GCACCATCTGCTCCTTCACT	60
TUBB	AW487663	6	3,144,777	3,216,042	BE901133	Hs.251653	TUBB2	X	295.67	11	C	96.47	TGCAGTAGGCTCGCTGTGTT	CAGCAAGATTCGGGAGGAGTAT	62
TUFM	L38996	16	28,851,526	28,856,638	X84694	Hs.12684	TUFM			25	A	104.78	TGGAAGTTGAGTCTGACCTCTG	ATTGACCTACCTCAGCTGCTG	58
TUFT1	M64924	1	148,287,876	148,331,153	AF254260	Hs.283009	TUFT1	1	544.14	03	A	63.01	GTCTTCTCTTCGGGTGTTTGA	CGGGAATAACAACTGATGGTGG	64
TWSG1	AW267141	18	9,324,767	9,392,419	NI9767	Hs.247302	TSG	18	62.26	24	A	167.86	TGGCTGTTTACCTTTTACC	CTGAAGTTTCAAGAAAGCA	52
TYRP1	AF136926	9	12,683,408	12,700,258	NM_000550	Hs.75219	TYRP1	9	53.57	08	A	168.12	GTGTGCTACCAATTGAGGCTTTG	GTGCTGTTGAAGAGCGGTGAG	60

UGCGL1	BF440558	2	128,753,721	128,855,019	BF880772	Hs.105794	UGCGL1	2	461.65	02	A	52.00	TGGAAGAATAAAGGAGCTGAGG	GGAGATGCAAGATCGAATACC	
UGDH	AF095792	4	39,335,023	39,363,863	NM_003359	Hs.28309	UGDH	4	190.66	06	C	57.44	CCCAGAGTATAGACATTGCCGT	AGTGTCACTCCCGTTACCATT	60
UGP2	L14019	2	64,025,806	64,076,401	NM_006759	Hs.77837	UGP2	2	198.21	11	A	192.30	TGACCCGAATTGACATCCCACT	GAATTCCGGGCCATAATGAGT	52
UMOD	S75958	16	20,271,812	20,291,474	M15881	Hs.1137	UMOD			25	A	107.10	GGAAATCCTGTACTCTGTGGCT	GGGCCATCAAGACACATATC	60
UMPS	X65125	3	125,730,816	125,745,231	BC007511	Hs.2057	UMPS	3	439.65	01	C	13.63	TGTGTGGAACCTGGAATTACCGT	AAGGCTGTGATCTGGAGATGGTG	60
UNC13	AW336355	9	35,152,060	35,395,332	BF569286	Hs.155001	UNC13	9	139.17	08	B	128.67	AGAAGGAGTCTGTTCACCTATG	GCTGACCTAAATGAAAGGGAG	55
UQCRC1	X59692	3	48,455,672	48,466,706	AL517411	Hs.119251	UQCRC1	3	158.02	22	C	26.16	ATCCGTAGTGGCATGTCTCGG	TATTGGTTGGTGAGTCAGCAGC	66
UQCRFS1	S58789	19	34,374,216	34,380,163	BC010035	Hs.3712	UQCRFS1			18	A	4.29	CTCTCAACCTTGAAGTTCC	GGCTTGTCTCAAGTAACCT	
URB002	URB002									17	C	33.46	Kappes et al. 1997		
URB007	URB007									13	A	73.32	Kappes et al. 1997		
URB010	URB010									X	A	46.38	Kappes et al. 1997		
URB031	URB031									24	A	195.56	Ma et al. 1997		
URB038	URB038									01	C	33.23	Kappes et al. 1997		
URB048	URB048									17	A	35.31	Ma et al. 1997		
URB052	URB052									05	A	365.73	Ma et al. 1997		
URB060	URB060									05	A	481.11	Ma et al. 1997		
URB062	URB062									17	A	108.55	Ma et al. 1997		
UREB1	AW428599	X	52,213,987	52,214,075						X	C	111.12	ATTGGCTGTGCTGGGTCTTAG	AAGAGCAGGCAGGATATGGACT	60
URF2	AW289235				AL133480	Hs.348602	URF2	9	27.18	08	B	0.00	CCCGTCAGGTCTCAGTGATTGT	GGGAATGGACTGCTTGATCTTG	60
USP14	AW461839	18	148,520	202,601	U30888	Hs.75981	USP14	18	14.70	24	A	101.36	GTCAGCATTTGAACACAGAGG	CCATTATTTCCACTCTGCGAGG	60
UWCA1	UWCA1									23	A	261.06	Kappes et al. 1997		
UWCA20	UWCA20									07	A	181.24	Kappes et al. 1997		
UWCA26	UWCA26									20	C	36.60	Kappes et al. 1997		
UWCA4	UWCA4									21	B	63.16	Kappes et al. 1997		
UWCA9	UWCA9									09	A	222.80	Kappes et al. 1997		
VARS2	AW428568	6	31,804,135	31,822,428	BI253778	Hs.159637	VARS2			23	A	351.29	TCTGCGTCACTGCCTACCCA	GTTGATGCCAGGGCACCTGT	64
VASP	AW289225	19	50,686,077	50,706,287	BM005975	Hs.93183	VASP			18	C	73.28	ATTCCAAGTCGAGTTGAGGCAG	GAGGTGAGGAAGGAATGCAGA	60
VAV3	AW417792	1	107,270,846	107,664,595	BG032179	Hs.287659	VAV3	1	335.99	03	A	142.09	AAGGTGTCTCTGGAGTGGA	TGCTCTCTGGTAACAGTTGG	60
VCAM1	BF440476	1	100,476,478	100,495,780	AI033696	Hs.109225	VCAM1	1	293.76	03	A	138.21	AAACCCCTGGCATCTTTACAC	CTTAGCAAGGTTGTTTGA	54
VDAC1	X75068	5	133,338,429	133,371,687	L06132	Hs.149155	VDAC1			07	A	237.23	GTCCTGGGATGCAAGTATTGCT	TTCCACTTGGCCCACTTCTA	60
VEGF	M33750	6	43,746,614	43,754,061	S85192	Hs.73793	VEGF	6	164.53	23	A	254.77			
VIL2	AW266923	6	159,020,204	159,073,870	AW575707	Hs.155191	VIL2	6	620.15	09	B	74.70	ATCCAGCGTGTGTTATCTCTGAG	CATCGTGGCTTATATCTCTGTC	53
VIM	AW266932	10	8,706,981	17,422,154	AJ121411	Hs.297753	VIM	10	104.78	13	A	39.87	GCCCAGATTCAAGAACAGCATG	CATTGTTGCGGTTAGCAGCTTC	56
VLDLR	AF016537	9	2,611,803	2,644,485	D16494	Hs.73729	VLDLR	9	22.03	08	B	32.61	TCCCATCCACTTCTCCTTCAG	TATGGCTTTCAGGGGAAAGTGC	64
VRK2	AW426546	2	58,092,495	58,344,712	AA291143	Hs.82771	VRK2			11	A	281.61	CAGAAGTGATGCCACCAAGA	ACCAAATCCTCCAGGCCAA	60
VT1A	AW289417	10	114,342,728	114,342,880						26	A	247.95	TCAACATGACAGCTCCAGAAC	GAAGAAGCTGTGAGCTTCATCC	60
WAC	AW658318	10	28,971,939	29,059,706	AA424883	Hs.70333	WAC	10	191.68	13	A	43.53	TCTTGGAAAGGAGTGCTTAA	CCCCTCCCTTTGAATAAT	55
WARS	X52113	14	98,790,168	98,832,689	X59892	Hs.82030	WARS	14	276.43	21	B	228.78	GCTGGCCGTAGGCTCTATCAA	CTAAAGCGCTGTGTGCCCAT	64
WASF2	AW289353	1	28,965,170	27,409,704	AI110628	Hs.350166	WASF2	9	84.15	02	E	121.15	ATGCATAAGTAGAGCCACAGG	CTAGSGTTTCCATGTCTGTGT	
WBP1	AW356828	2	74,643,151	74,645,719	BE906705	Hs.7709	WBP1	2	228.94	11	A	92.90	AGCTGTGCCAGGAGTGAACAA	GCCAGAACCCAGGAGCTCAT	50
WBSR22	BE217402	7	72,496,193	72,517,786	AI978935	Hs.155020	WBSR22			25	B	14.71	AAGTAGGCACTTCAATAGAGAG	TCTGCCCTGACACCCAGTACAC	
WDFY3	AW464739	4	85,983,475	86,246,300	BC015214	Hs.198135	WDFY3			06	C	249.11	ACAGCCACCTGGTATAACGACA	CTGGCCCTCTGAATAGTTCACA	60
WDR1 (3)	AW428597	4	9,764,485	9,764,784			WDR1 (3)			06	C	282.00	AGCACAAGAGTGAACCTGGT	CTTAATCCATGCCTGTCCGT	60
WDR1 (5)	AW428598	4	9,764,312	9,807,006	BG251596	Hs.85100	WDR1 (5)	4	61.23	17	C	103.51	AGCACAAGAGTGAACCTGGT	CTTAATCCATGCCTGTCCGT	60
WDR5B	BF440429	3	123,412,410	123,416,140	AJ911326	Hs.15584	WDR5B			01	C	13.63	GAGCTCATCATCTACTGGACAC	GCTCGTGTAGTAGTAAGGCT	
WRN	BE217410	8	30,856,388	30,856,740			WRN			27	B	0.00	Dorroch et al. 2001		
X85961	X85961	8	37,697,698	37,700,524	NM_000025	Hs.2549	X85961	8	156.44	27	B	56.00	GGAACCTTTGGAAAGCCTCTG	GGCGGCAGAAAGAACAGAATGA	60
XBM111	XBM111									X	B	116.91	Kappes et al. 1997		
XBM16	XBM16									X	C	145.67	Kappes et al. 1997		
XBM361	XBM361									X	B	126.29	Kappes et al. 1997		
XBM38	XBM38									X	C	202.68	Kappes et al. 1997		
XBM451	XBM451									X	D	24.71	Kappes et al. 1997		
XBM73	XBM73									X	C	107.86	Kappes et al. 1997		
XDH	X98491	2	31,515,982	31,595,323	D11456	Hs.250	XDH	2	211.00	11	A	55.42	AAGATGGAACCTTGCCTGCAGA	TTGAGGAAGACACCCAGGCTTA	64
XTP2	BE217459	1	168,061,951	168,143,429	AW177845	Hs.69559	XTP2			16	D	218.11	Dorroch et al. 2001		
YES1	Z71822	18	711,743	802,542	BF969916	Hs.194148	YES1	18	0.58	24	A	109.54	CACGGGTGTAAGTGTCTAGCAA	ACACAGGAACACAGCAGACAA	
YWHAB	BE217556	20	44,173,091	44,173,572	AI541131	Hs.279920	YWHAB	20	250.56	13	A	269.20	Dorroch et al. 2001		
YWHAG	AF043737	7	75,554,404	75,586,603	AB024334	Hs.25001	YWHAG	7	430.50	25	B	0.00			
ZDHHC2	AW289399	8	16,823,231	16,889,636	BI468564	Hs.5943	ZDHHC2	8	46.17	27	A	102.17	GGTAGCTGACAGCCAACTAATG	GAGTCAGACACAAGGATGGATG	56
ZF	AW462786	11	85,591,563	85,598,873	BG259798	Hs.29417	ZF	11	298.62	29	A	68.21	AAAGTTCGGACGTAGTCTTC	TCTTCATGTCCCTTACACTG	56
ZFP36	L42319	19	44,573,536	44,576,094	AL542249	Hs.343586	ZFP36	19	235.06	18	C	19.72	AGTAGCCAAAGCCATTGCCA	AATACAAGGGAAGCAGACACC	56
ZIM2 (3)	AW464096	19	61,997,679	61,998,157	AA447919	Hs.139033	ZIM2 (3)	19	284.01	18	D	22.15	ACCGTGGTGAATATGTGTGC	CAAAACACCAAGATCATCAAG	58
ZIM2 (5)	AW464212	19	62,002,259	62,002,555			ZIM2 (5)			18	D	23.70	TCTATGGCTGTGAAGACTGT	AGGCAATCTTTCTGGTACTC	60
ZMPSTE24 (3)	BE217447	1	40,192,669	40,192,911			ZMPSTE24 (3)			03	B	69.06	Dorroch et al. 2001		
ZMPSTE24 (5)	AW657081	1	38,825,703	40,210,143	BF061454	Hs.237323	ZMPSTE24 (5)	6	367.36	26	A	156.09	CCGCAATTACTTTTGACC	ATGCAGGCACAACCCATC	55
ZNF132	AW487252	19	39,801,238	63,621,777			ZNF132			18	D	23.49	CACCTCATTAGGCACAGAA	TTTGAGCTCTCCCTCTCTACAG	60
ZNF189	AW261182	9	97,618,629	97,630,396	AI702883	Hs.50123	ZNF189			08	D	64.99	TCTCCTAGCGTAGACTCCAGGT	AGATATTTGAGTCTTAGACAG	52
ZNF192	AW266852	6	28,172,158	28,186,333	NM_006298	Hs.57679	ZNF192			23	A	394.67	CTACATGGTTCCTGACTTT	AACAAGTTCCTACCATGAC	56
ZNF236	AW428605	18	74,299,098	74,445,662	BG287737	Hs.283619	ZNF236	18	474.48	24	A	12.92	TGGTATGAGGAGAGACTAGA	GCACAGCCTGTTAAGTAG	53
ZNF24	AW358730	18	32,803,951	32,812,423	AJ277717	Hs.183593	ZNF24	18	268.83	24	A	84.72	GATGGAACTCTCTGTAATG	GAGAAATCCCTCCCGAAGA	56
ZNF277	AW465204	7	111,393,372	111,529,880	BF727443	Hs.42636	ZNF277	7	541.09	04	B	79.98	CCACCAAGCTTAGAAGTTTC	AACCAACTTGACATCAGC	50
ZNF302	AW267155	19	39,844,616	39,853,348	AV709828	Hs.125287	ZNF302	19	209.21	18	B	68.68	TTTGCTCTCCAGCCAGCAGCA	CGGTAGCTGAGCCAGCAAAAG	64
ZNF313	AW289276	20	49,194,380	49,194,684			ZNF313			13	A	283.87	AAGAGATCATGAGGGGCTGACT	TACCTTACCTCAGCATTTGCCAC	64
ZNF334	AW289245	10	38,496,809	38,497,211			ZNF334			28	A	59.94	TTCTGTGTTTCTCAATGG	TGGAAGTAGAGCAGTGCTTT	53
ZNF350	BE217409	19	57,165,637	57,165,780			ZNF350			18	C	87.62	TGAGATGACCCAGGCACACC	GTTTGCCTTGGGGGTGTCTC	60
ZNFN1A4	AW289281	12	56,129,851	56,148,367	AI857519	Hs.302031	ZNFN1A4	12	247.74	05	A	301.56	TCTAGGTCAACCAAAATAGCCAG	TGTTCTTAGGATGAGTGCCAGG	60
ZWINT	AW326775	10	58,009,600	58,013,421	BI461992	Hs.42650	ZWINT	10	342.16	26	A	19.97	GCAGCCAGCTTCAAGGAGTA	CTTTGGCTTCAAGTGCCCTC	55

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