

Warburton et al
Supplementary data S2
Inverted Repeats

chromosome	IR Name	FirstIndexLeft	LastIndexLeft	FirstIndexRight	LastIndexRight	Arm length	Spacer	% homo	gene, tissue
chr01	IR1-16.41	16353201	16382007	16440609	16469432	28807	58601	99.45	none
chr01	IR1-25.228	25150226	25204891	25251938	25307515	54666	47046	96.92	RHD, RHCE, erythroid
chr01	IR1-103.57	103535770	103565151	103581368	103610752	29382	16216	99.96	AMY1A, 2A, salivary gland
chr01	IR1-145.46	145449342	145458435	145465662	145474674	9094	7226	96.38	AK001966 placental mRNA
chr01	IR1-147.04	147005622	147031685	147038425	147064511	26064	6739	99.71	Histones, ubiquitous
chr01	IR1-149.47	149454111	149463085	149477165	149486046	8975	14079	93.98	none
chr01	IR1-150.63	150602269	150611468	150643786	150652933	9200	32317	90.88	s100A7, A9, skin
chr01	IR1-224.663	224651814	224661541	224664446	224674211	9728	2904	90.47	none
chr02	IR2-87.30	87232568	87255308	87341841	87364586	22741	86532	97.97	none
chr02	IR2-95.69	95564800	95647496	95730298	95812931	82697	82801	99.14	TRIM-43, BC015353, placenta mRNA
chr02	IR2-132.75	132729920	132739589	132759486	132769123	9670	19896	98.29	BC043584, spleen mRNA
chr04	IR4-70.43	70379472	70401796	70455949	70478328	22325	54152	94.87	none
chr04	IR4-121.37	121309436	121320458	121413920	121425109	11023	93461	77.80	none
chr05	IR5-69.40	69275862	69388212	69411737	69523387	112351	23524	96.82	SMA3
chr06	IR6-26.8590	26817924	26847097	26870951	26900142	29174	23853	99.37	none
chr06	IR6-150.336	150292788	150302670	150369144	150379043	9883	66473	93.64	ULBP gene family
chr07	IR7-48.67	48627384	48643481	48698022	48713847	16098	54540	98.72	BC028690, testis mRNA
chr07	IR7-54.08	54027559	54043456	54117836	54133724	15898	74379	98.11	none
chr07	IR7-62.25	62162178	62237651	62254593	62330166	75474	16941	99.65	BC036215, testes mRNA
chr07	IR7-64.48	64397569	64449274	64506558	64558247	51706	57283	99.72	none
chr07	IR7-142.79	142689792	142755164	142831157	142896534	65373	75992	99.67	BC043153, testis mRNA
chr07	IR7-142.86	142778992	142807279	142907249	142935531	28288	99969	99.70	none
chr07	IR7-143.36	143275783	143343635	143385009	143452938	67853	41373	99.56	AF327904, kidney, liver mRNA
chr07	IR7-143.41	143361186	143385022	143442222	143466117	23837	57199	99.46	none
chr08	IR8-7.00	6933931	6991245	7012971	7069859	57315	21725	82.38	none
chr10	IR10-4.979	4947367	4977292	4982835	5011413	29926	5542	85.76	AKR1c1, liver
chr10	IR10-45.52	45484461	45502478	45528995	45546729	18018	26516	81.11	none
chr10	IR10-51.19	51133431	51149241	51238826	51254755	15811	89584	93.78	none
chr10	IR10-51.18	51148942	51168677	51194888	51214433	19736	26210	85.67	none
chr11	IR11-4.29	4238066	4274666	4314323	4350960	36601	39656	98.19	none
chr11	IR11-48.91	48866328	48877989	48942739	48954273	11662	64749	93.30	none
chr11	IR11-48.95	48928291	48938312	48960805	48970786	10022	22492	93.62	none
chr11	IR11-49.841	49810529	49821462	49860025	49870921	10934	38562	93.75	none
chr11	IR11-49.86	49836385	49845169	49870966	49879711	8785	25796	94.65	none
chr11	IR11-59.85	59794188	59806015	59895062	59906833	11828	89046	76.52	none
chr11	IR11-89.34	89238078	89341944	89345170	89449155	103867	3225	99.57	RNF18, testes, kidney, spleen
chr12	IR12-9.41	9327471	9366975	9452534	9492133	39505	85558	97.87	DDX12
chr12	IR12-113.404	113383465	113392492	113415353	113424401	9028	22860	78.16	none
chr13	IR13-40.86	40823806	40834150	40879806	40890084	10345	45655	89.29	none
chr13	IR13-62.12	62088926	62099511	62131065	62141650	10586	31553	99.88	none
chr13	IR13-62.16	62109596	62131022	62193103	62214509	21427	62080	94.01	AL137719, testes mRNA
chr15	IR15-28.49	28386066	28444707	28538063	28596728	58642	93355	99.57	AK090401, spleen mRNA
chr15	IR15-30.53	30449826	30486085	30579541	30615764	36260	93455	98.99	AK090401, spleen mRNA
chr15	IR15-42.95	42887512	42913252	42991070	43016616	25741	77817	78.20	none
chr15	IR15-80.40	80344864	80359819	80435697	80450429	14956	75877	94.31	BC041854, testis mRNA
chr15	IR15-80.78	80676023	80746311	80822222	80892084	70289	75910	95.25	AK094827, brain mRNA
chr16	IR16-20.49	20436191	20479253	20500221	20544531	43063	20967	92.90	AY160217, liver mRNA
chr16	IR16-55.608	55566810	55607738	55608011	55648906	40929	272	98.69	AK094827, brain mRNA
chr17	IR17-19.19	19129061	19167109	19215213	19253235	38049	48103	99.74	GRAP, various tissue
chr17	IR17-30.53	30495690	30504900	30559856	30569093	9211	54955	97.95	F06289, brain EST
chr17	IR17-58.63	58570961	58587422	58662671	58679143	16462	75248	99.35	none
chr19	IR19-6.99	6969506	6986388	6986390	7003213	16883	1	97.80	MBD3L2, germ cell tumours mRNA
chr19	IR19-48.563	48534948	48548128	48577347	48590464	13181	29218	95.05	prv1, various tissue
chr19	IR19-48.5635	48550463	48561846	48567074	48576277	11384	3227	88.97	none
chr21	IR21-14.32	14268806	14281977	14350545	14363850	13172	68567	92.08	none
chr21	IR22-17.08	17031535	17058600	17096562	17123775	27066	37961	96.53	AK021851, embryo mRNA
chr22	IR22-18.999	18964361	18980840	19017876	19034417	16480	37035	96.17	none
chr22	IR22-20.15	20057413	20121932	20170605	20235090	64520	48672	99.16	HIC2, AL133030, brain, testes mRNA
chr22	IR22-22.64	22606674	22636325	22638484	22668140	29652	2158	97.88	GSTT2, liver
chrX	IRX-47.3031	47272390	47301738	47304535	47332821	29349	2796	99.55	SSX4, testes
chrX	IRX-50.36	50327758	50352811	50360204	50385228	25054	7392	99.53	none
chrX	IRX-50.79	50700617	50737022	50836877	50873313	36406	99854	99.89	MAGE-D4, testes, ubiquitous
chrX	IRX-51.17	51020041	51162207	51170588	51312705	142167	8340	99.97	GAGED2, 3, testes
chrX	IRX-51.4958	51456269	51484949	51506592	51535296	28681	21642	99.87	GAGE-D2, testes
chrX	IRX-51.73	51665092	51724922	51725162	51785090	59831	239	99.67	SSX2, testes
chrX	IRX-51.924	51877636	51916383	51931396	51969976	38748	15012	97.94	Pro0659, brain mRNA
chrX	IRX-54.4798	54446709	54473371	54486281	54512941	26663	12909	99.89	BC035907, breast mRNA
chrX	IRX-61.28	61215258	61271867	61328003	61336620	56610	8145	99.95	AK056835, prostate mRNA
chrX	IRX-69.83	69769743	69827414	69827417	69885103	57672	2	99.69	AK093553, AK126424, thymus, uterus mRNAs
chrX	IRX-70.95	70827540	70946844	70947262	71066535	119305	417	99.80	DMRTC1, testes
chrX	IRX-71.13	71082695	71092190	71164110	71173588	9496	71919	99.55	BC041956, Brain mRNA
chrX	IRX-100.37	100224388	100364950	100375715	100516336	140563	10764	99.84	NXF2, testes
chrX	IRX-102.05	101995526	102015868	102075851	102096194	20343	59982	99.27	AK091321, brain mRNA
chrX	IRX-104.30	104281353	104293907	104302585	104315152	12555	8677	99.13	none
chrX	IRX-118.01	117926270	117975161	118037208	118086115	48892	62046	99.65	PEPP-2, testes
chrX	IRX-133.03	132955658	133004715	133046861	133095968	49058	42145	98.45	BJ-HCC-20B, lung tumour antigen
chrX	IRX-133.48	133434699	133462317	133505555	133529176	27619	43237	88.69	none
chrX	IRX-133.62	133556768	133608770	133622623	133674692	52003	13852	99.25	MGC27005, AK098689, testes mRNA
chrX	IRX-139.37	139354282	139366980	139370919	139383606	12699	3938	99.13	SPANXA1, 2, testes
chrX	IRX-144.56	144550963	144561459	144561464	144571962	10497	4	99.84	AW235137, EST's only
chrX	IRX-147.36	147360443	147389582	147554452	147583577	29140	164869	99.74	MAGE-A9, testes
chrX	IRX-147.49	147440200	147468465	147509475	147537732	28266	41009	99.23	MAGE-A9 (outside IR), testes
chrX	IRX-150.52	150464654	150515867	150524862	150576052	51214	8994	98.96	MAGE-A2, 3, 6, testes
chrX	IRX-152.06	152032166	152043518	152081144	152092502	11353	37625	99.11	none
chrX	IRX-152.30	152251351	152287141	152308901	152344708	35791	21759	99.69	CTAG-1, 2, testes, ovary
chrY	IRY-5.8467	5809031	5818384	5874955	5884405	9354	56570	84.23	TSPY, testes
chrY	IRY-9.3406	9313041	9322484	9358729	9368077	9444	36244	84.28	AF527836, testes mRNA
chrY	IRY-15.142	15104439	15140205	15143614	15179364	35767	3408	99.64	VCY, testes
chrY	IRY-16.95	16931918	16940650	16953289	16962023	8733	12638	99.86	none
chrY	IRY-17.35	17216622	17326616	17372846	17482867	109995	46229	99.92	none
chrY	IRY-19.01	18512874	19008330	19011788	19507271	495457	3457	99.97	CDY, testes
chrY	IRY-19.72	19507283	19697443	19737086	19927254	190161	39642	99.97	HSFY, testes
chrY	IRY-22.46	22418414	22436084	22482222	22499807	17671	46137	87.62	none
chrY	IRY-23.28	22916247	23200066	23369014	23652824	283820	168197	99.94	PRY, testes
chrY	IRY-24.201	24177018	24199535	24201674	24224174	22518	2138	97.20	DAZ, testes
chrY	IRY-25.12	25105993	25115919	25119865	25129795	9927	3945	99.84	none
chrY	IRY-25.815	25791417	25813920	25816059	25838577	22504	2138	97.23	DAZ, testes
chrY	IRY-26.55	26533858	26543784	26547730	26557662	9927	3945	99.89	none