

Probe Set ID	Transcript Cluster ID	Probe Set Start	Probe Set Stop	Chromosome	Strand	Transcript ID(Annotated)	UniGene Symbol	Description
2318365	2318364	6562722	6562755	1	+	NM_005341	ZBTB48	Zinc finger and BTB domain containing 48
2318654	2318637	7763981	7764044	1	+	NM_004781	VAMP3	Vesicle-associated membrane protein 3 (cellubrevin)
2318755	2318736	7967797	7967892	1	+	AK091679	PARK7	Parkinson disease (autosomal recessive, early onset) 7
2320754	2320727	12191829	12191854	1	+	NM_001066	TNFRSF1B	Tumor necrosis factor receptor superfamily, member 1B
2321789	2321779	15627873	15628070	1	+	NM_024329	EFHD2	EF-hand domain family, member D2
2323747	2323743	19807562	19807587	1	+	NM_005617	RPS14	Ribosomal protein S14
2323749	2323743	19807642	19807691	1	+	NM_005617	RPS14	Ribosomal protein S14
2324120	2324097	20850223	20850367	1	+	NM_032409	PINK1	PTEN induced putative kinase 1
2325200	2325192	23893737	23893811	1	+	ENST00000374550	RPL11	Ribosomal protein L11
2325203	2325192	23894882	23894964	1	+	ENST00000374550	RPL11	Ribosomal protein L11
2325206	2325192	23895451	23895481	1	+	NM_000975	RPL11	Ribosomal protein L11
2325808	2325781	25559752	25559783	1	+	CR596941	TMEM50A	Transmembrane protein 50A
2325961	2325941	25559752	25559783	1	+	CR596941	TMEM50A	Transmembrane protein 50A
2326458	2326448	26480293	26480587	1	+	AF247790	SH3BGL3	SH3 domain binding glutamic acid-rich protein like 3
2327377	2327375	28435286	28435337	1	+	NM_016311	ATPIF1	ATPase inhibitory factor 1
2327384	2327375	28436935	28437058	1	+	NM_178190	ATPIF1	ATPase inhibitory factor 1
2328941	2328936	32709212	32709277	1	+	XM_001131675		PREDICTED: Homo sapiens zinc finger and BTB domain containing 8 (ZBTB8), mRNA.
2330005	2330002	36046499	36046538	1	+	NM_017629	EIF2C4	Eukaryotic translation initiation factor 2C, 4
2331220	2331213	39322545	39322581	1	+	NM_012090	MACF1	Microtubule-actin crosslinking factor 1
2332694	2332664	42939145	42939227	1	+	CR601484	LOC646531	Similar to nuclease sensitive element binding protein 1
2332695	2332664	42939274	42939304	1	+	CR601484	LOC646531	Similar to nuclease sensitive element binding protein 1

2332697	2332664	42940299	42940387	1 +	NM_004559	YBX1	Y box binding protein 1
2333577	2333574	44171991	44172018	1 +	NM_057091	ARTN	Artemin
2334176	2334163	45015005	45015031	1 +	XM_931016	LOC388076	Similar to ribosomal protein S8
2334179	2334163	45015876	45015987	1 +	CR616485	LOC728553	Similar to ribosomal protein S8
2334180	2334163	45015997	45016047	1 +	AB062401	RPS8	Ribosomal protein S8
2334189	2334163	45016835	45016912	1 +	NM_001012	RPS8	Ribosomal protein S8
2340849	2340845	67163303	67163351	1 +	BC108726	MIER1	Mesoderm induction early response 1 homolog ( <i>Xenopus laevis</i> )
2340958	2340930	67497947	67498115	1 +	NM_144701	IL23R	Interleukin 23 receptor
2346894	2346863	93074346	93074371	1 +	NM_000969	RPL5	Ribosomal protein L5
2346895	2346863	93074423	93074517	1 +	NM_000969	RPL5	Ribosomal protein L5
2346900	2346863	93075651	93075680	1 +	NM_000969	RPL5	Ribosomal protein L5
2346906	2346863	93078720	93078753	1 +	NM_000969	RPL5	Ribosomal protein L5
2346911	2346863	93079938	93079971	1 +	NM_000969	RPL5	Ribosomal protein L5
2349435	2349402	103923486	103923528	1 +	AK127047	AMY1A	Amylase, alpha 1A; salivary
2349511	2349483	104008506	104008648	1 +	ENSESTT00000033130		
2350003	2350000	107849636	107849737	1 +	ENSESTT00000005997		
2352269	2352228	113015689	113015722	1 +	NM_006135	CAPZA1	Capping protein (actin filament) muscle Z-line, alpha 1
2356123	2356115	144151169	144151277	1 +	NM_006472	TXNIP	Thioredoxin interacting protein
2356125	2356115	144151436	144151486	1 +	NM_006472	TXNIP	Thioredoxin interacting protein
2356127	2356115	144151637	144151798	1 +	NM_006472	TXNIP	Thioredoxin interacting protein
2356128	2356115	144151825	144151876	1 +	BX537824	TXNIP	Thioredoxin interacting protein
2356132	2356115	144152265	144152408	1 +	BC024305	TXNIP	Thioredoxin interacting protein
2356137	2356115	144153737	144153838	1 +	NM_006472	TXNIP	Thioredoxin interacting protein
2356983	2356979	145847014	145847095	1 +	NM_005267	GJA8	Gap junction protein, alpha 8, 50kDa (connexin 50)
2358359	2358320	148746528	148746653	1 +	NM_025150	TARSL1	Threonyl-tRNA synthetase-like 1
2358850	2358821	149506478	149506511	1 +	BC002365	PSMD4	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 4
2359306	2359302	150754884	150755027	1 +	NM_019060	C1orf42	Chromosome 1 open reading frame 42
2359497	2359492	151224545	151224596	1 +	NM_005987	SPRR1A	Small proline-rich protein 1A
2359498	2359492	151224630	151224841	1 +	NM_005987	SPRR1A	Small proline-rich protein 1A

2359511	2359504	151242348	151242378	1	+	NM_005416	SPRR3	Small proline-rich protein 3
2359512	2359504	151242456	151242592	1	+	NM_005416	SPRR3	Small proline-rich protein 3
2359513	2359504	151242700	151242896	1	+	NM_005416	SPRR3	Small proline-rich protein 3
2359525	2359521	151271596	151271649	1	+	NM_003125	SPRR1B	Small proline-rich protein 1B (cornifin)
2359666	2359664	151597397	151597523	1	+	NM_002965	S100A9	S100 calcium binding protein A9
2359667	2359664	151599802	151599871	1	+	NM_002965	S100A9	S100 calcium binding protein A9
2359668	2359664	151599893	151599920	1	+	NM_002965	S100A9	S100 calcium binding protein A9
2359670	2359664	151600050	151600083	1	+	NM_002965	S100A9	S100 calcium binding protein A9
2362337	2362333	157078637	157078793	1	+	ENSESTT00000053469	MNDA	Myeloid cell nuclear differentiation antigen
2362343	2362333	157084304	157084330	1	+	NM_002432	MNDA	Myeloid cell nuclear differentiation antigen
2362347	2362333	157085865	157085895	1	+	NM_002432	MNDA	Myeloid cell nuclear differentiation antigen
2362938	2362892	158376307	158376339	1	+	NM_000702	ATP1A2	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 2 (+) polypeptide
2363441	2363424	159395176	159395201	1	+	NM_016406	UFC1	Ubiquitin-fold modifier conjugating enzyme 1
2368849	2368840	175465581	175465611	1	+	NM_021165	FAM5B	Family with sequence similarity 5, member B
2371049	2370991	181122896	181122937	1	+	NM_001357	DHX9	DEAH (Asp-Glu-Ala-His) box polypeptide 9
2372876	2372858	191046739	191046877	1	+	NM_002923	RGS2	Regulator of G-protein signalling 2, 24kDa
2372878	2372858	191047200	191047307	1	+	NM_002923	RGS2	Regulator of G-protein signalling 2, 24kDa
2372879	2372858	191047443	191047950	1	+	NM_002923	RGS2	Regulator of G-protein signalling 2, 24kDa
2374584	2374544	199454287	199454312	1	+	AL137493	DKFZp434B1231	EEF1A2 binding protein
2375052	2375038	200358753	200358784	1	+	NM_004767	GPR37L1	G protein-coupled receptor 37 like 1
2375673	2375664	201543813	201544454	1	+	NM_006763	BTG2	BTG family, member 2
2375674	2375664	201545069	201545202	1	+	NM_006763	BTG2	BTG family, member 2
2375675	2375664	201545254	201545327	1	+	NM_006763	BTG2	BTG family, member 2
2378075	2378068	207916054	207916174	1	+	NM_015714	G0S2	G0/G1switch 2

2378076	2378068	207916190	207916321	1	+	NM_015714	G0S2	G0/G1switch 2
2383071	2383062	224319988	224320125	1	+	XM_293312	LOC347376	Similar to H3 histone, family 3B
2383075	2383062	224325677	224325718	1	+	XM_930111	LOC644914	Similar to H3 histone, family 3B
2383076	2383062	224325722	224325759	1	+	XM_930111	LOC644914	Similar to H3 histone, family 3B
2383077	2383062	224325763	224325795	1	+	XM_930111	LOC644914	Similar to H3 histone, family 3B
2383078	2383062	224325928	224325954	1	+	XM_930111	LOC644914	Similar to H3 histone, family 3B
2383079	2383062	224326182	224326207	1	+	XM_930111	LOC644914	Similar to H3 histone, family 3B
2383080	2383062	224326280	224326315	1	+	XM_930111	LOC644914	Similar to H3 histone, family 3B
2383768	2383726	226353196	226353421	1	+	NM_001024226	ARF1	ADP-ribosylation factor 1
2383769	2383726	226353473	226353504	1	+	NM_001024226	ARF1	ADP-ribosylation factor 1
2383882	2383859	226401765	226401865	1	+	AK124677	GUK1	Guanylate kinase 1
2383890	2383859	226402714	226402747	1	+	AK124677	GUK1	Guanylate kinase 1
2383895	2383859	226403025	226403141	1	+	AK124677	GUK1	Guanylate kinase 1
2391516	2391514	1298990	1299021	1	-	NM_017900	CCNL2	Cyclin L2
2394563	2394558	6169279	6169310	1	-	BC058887	RPL22	Ribosomal protein L22
2394564	2394558	6169393	6169423	1	-	BC058887	RPL22	Ribosomal protein L22
2394565	2394558	6175595	6175649	1	-	NM_000983	RPL22	Ribosomal protein L22
2399670	2399620	19450591	19450633	1	-	NM_015047	KIAA0090	KIAA0090
2399766	2399765	19537907	19538195	1	-	AK125085	CAPZB	Capping protein (actin filament) muscle Z-line, beta
2400065	2400059	20318539	20318578	1	-	AF112982	PLA2G2D	Phospholipase A2, group IID
2404159	2404158	30977913	30977942	1	-	NM_006762	LAPTM5	Lysosomal associated multispanning membrane protein 5
2405003	2404999	32574155	32574182	1	-	NM_023009	MARCKSL1	MARCKS-like 1
2407183	2407163	37792382	37792417	1	-	NM_024700	SNIP1	Smad nuclear interacting protein 1
2408102	2408095	40009308	40009337	1	-	NM_022120	OXCT2	3-oxoacid CoA transferase 2

2413009	2413008	53010422	53010453	1	-	NM_001017	RPS13	Ribosomal protein S13
2420428	2420427	84736603	84736636	1	-	BC003563	GNG5	Guanine nucleotide binding protein (G protein), gamma 5
2424464	2424463	96916963	96917016	1	-	NM_000971	RPL7	Ribosomal protein L7
2424466	2424463	96917453	96917489	1	-	XM_935293	RPL7	Ribosomal protein L7
2427072	2427007	109742040	109742065	1	-	NM_002959	SORT1	Sortilin 1
2429278	2429277	115061081	115061119	1	-	NM_002524	NRAS	Neuroblastoma RAS viral (v-ras) oncogene homolog
2429279	2429277	115061152	115061198	1	-	NM_001007553	CSDE1	Cold shock domain containing E1, RNA-binding
2429281	2429277	115061486	115061528	1	-	NM_001007553	CSDE1	Cold shock domain containing E1, RNA-binding
2429284	2429277	115062327	115062360	1	-	ENST00000339438	CSDE1	Cold shock domain containing E1, RNA-binding
2431202	2431112	120413544	120413598	1	-	BC071562	NOTCH2	Notch homolog 2 (Drosophila)
2434456	2434438	148813834	148813983	1	-	NM_021960	MCL1	Myeloid cell leukemia sequence 1 (BCL2-related)
2434470	2434438	148818638	148818667	1	-	NM_021960	MCL1	Myeloid cell leukemia sequence 1 (BCL2-related)
2435098	2435044	149698252	149698277	1	-	NM_207171	POGZ	Pogo transposable element with ZNF domain
2435392	2435383	150222307	150222342	1	-	NM_002966	S100A10	S100 calcium binding protein A10
2435411	2435410	150271626	150271656	1	-	NM_005620	S100A11	S100 calcium binding protein A11
2435691	2435686	150648484	150648649	1	-	NM_016190	CRNN	Cornulin
2435692	2435686	150648787	150648858	1	-	NM_016190	CRNN	Cornulin
2435850	2435849	151278921	151279146	1	-	NM_006945	SPRR2D	Small proline-rich protein 2D
2435851	2435849	151279237	151279291	1	-	NM_006945	SPRR2D	Small proline-rich protein 2D
2435852	2435849	151279417	151279446	1	-	NM_006945	SPRR2D	Small proline-rich protein 2D
2435859	2435858	151295268	151295502	1	-	NM_005988	SPRR2A	Small proline-rich protein 2A
2435860	2435858	151295619	151295650	1	-	NM_005988	SPRR2A	Small proline-rich protein 2A
2435861	2435858	151295733	151295781	1	-	NM_005988	SPRR2A	Small proline-rich protein 2A
2435862	2435858	151296571	151296602	1	-	NM_005988	SPRR2A	Small proline-rich protein 2A
2435865	2435863	151309722	151309784	1	-	NM_001017418	SPRR2B	Small proline-rich protein 2B
2435866	2435863	151309837	151309862	1	-	NM_001017418	SPRR2B	Small proline-rich protein 2B
2435867	2435863	151309910	151309939	1	-	NM_001017418	SPRR2B	Small proline-rich protein 2B

2435993	2435989	151629164	151629202	1	-	NM_002964	S100A8	S100 calcium binding protein A8
2435994	2435989	151629241	151629315	1	-	NM_002964	S100A8	S100 calcium binding protein A8
2435995	2435989	151629316	151629343	1	-	NM_002964	S100A8	S100 calcium binding protein A8
2435997	2435989	151629498	151629615	1	-	NM_002964	S100A8	S100 calcium binding protein A8
2436012	2436004	151782743	151782816	1	-	NM_019554	S100A4	S100 calcium binding protein A4
2436404	2436401	152213780	152213862	1	-	CR595312	JTB	Jumping translocation breakpoint
2436527	2436526	152395591	152395626	1	-	NM_153649	TPM3	Tropomyosin 3
2437091	2437086	153379398	153379430	1	-	NM_018973	DPM3	Dolichyl-phosphate mannosyltransferase polypeptide 3
2438418	2438411	154906297	154906331	1	-	NM_006617	NES	Nestin
2439844	2439842	158154541	158154591	1	-	NM_003564	TAGLN2	Transgelin 2
2442952	2442911	166350377	166350402	1	-	AK056040	GPR161	G protein-coupled receptor 161
2447068	2447066	180618974	180619332	1	-	NM_002065	GLUL	Glutamate-ammonia ligase (glutamine synthetase)
2447069	2447066	180619634	180619873	1	-	NM_002065	GLUL	Glutamate-ammonia ligase (glutamine synthetase)
2447075	2447066	180621518	180621553	1	-	NM_001033056	GLUL	Glutamate-ammonia ligase (glutamine synthetase)
2447081	2447066	180622929	180623037	1	-	NM_002065	GLUL	Glutamate-ammonia ligase (glutamine synthetase)
2447419	2447414	181791380	181791601	1	-	NM_000433	NCF2	Neutrophil cytosolic factor 2 (65kDa, chronic granulomatous disease, autosomal 2)
2448078	2448073	183533844	183534009	1	-	NM_016389	IVNS1ABP	Influenza virus NS1A binding protein
2448394	2448382	184912222	184912338	1	-	AY151286	PTGS2	Prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
2450318	2450300	198645386	198645432	1	-	NM_012482	ZNF281	Zinc finger protein 281
2464548	2464499	243093572	243093597	1	-	NM_031844	HNRPU	Heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)
2467192	2467178	3601966	3602057	2	+	NM_001011	RPS7	Ribosomal protein S7
2467196	2467178	3603176	3603239	2	+	AB209386	RPS7	Ribosomal protein S7
2467200	2467178	3605576	3605677	2	+	XM_015717	GPR177	G protein-coupled receptor 177

2467201	2467178	3605690	3605725	2	+	XM_015717	GPR177	G protein-coupled receptor 177
2467205	2467178	3606270	3606341	2	+	XM_015717	GPR177	G protein-coupled receptor 177
2470486	2470470	14691983	14692009	2	+	BC026346	FAM84A	Family with sequence similarity 84, member A
2480594	2480589	46704806	46704835	2	+	NM_014171	CRIP1	Cysteine-rich PDZ-binding protein
2482232	2482230	53867818	53867851	2	+	NM_015701	C2orf30	Chromosome 2 open reading frame 30
2482940	2482921	55316079	55316203	2	+	NM_002954	RPS27A	Ribosomal protein S27a
2484360	2484358	60962448	60962479	2	+	BC051005	REL	V-rel reticuloendotheliosis viral oncogene homolog (avian)
2485434	2485433	64604969	64605009	2	+	NM_017657	AFTPH	Aftiphilin
2486820	2486811	68461382	68461532	2	+	NM_002664	PLEK	Pleckstrin
2487484	2487478	69910631	69910674	2	+	NM_178439	GMCL1	Germ cell-less homolog 1 (Drosophila)
2487553	2487549	69995973	69996038	2	+	NM_002357	MXD1	MAX dimerization protein 1
2487573	2487549	70015987	70016078	2	+	NM_002357	MXD1	MAX dimerization protein 1
2490394	2490351	79593731	79593760	2	+	NM_004389	CTNNA2	Catenin (cadherin-associated protein), alpha 2
2491297	2491271	84987213	84987250	2	+	NM_021103	TMSB10	Thymosin, beta 10
2491672	2491661	85662554	85662656	2	+	NM_003761	VAMP8	Vesicle-associated membrane protein 8 (endobrevin)
2493868	2493858	95082853	95082910	2	+	AK123269	MAL	Mal, T-cell differentiation protein
2493869	2493858	95083090	95083297	2	+	AK123269	MAL	Mal, T-cell differentiation protein
2496540	2496536	100985635	100985669	2	+	CR595074	RPL31	Ribosomal protein L31
2496542	2496536	100987055	100987152	2	+	CR595074	RPL31	Ribosomal protein L31
2496547	2496536	100988855	100988884	2	+	CR595074	RPL31	Ribosomal protein L31
2496548	2496536	100988937	100988965	2	+	CR595074	RPL31	Ribosomal protein L31
2496940	2496907	102011126	102011204	2	+	NM_004633	IL1R2	Interleukin 1 receptor, type II
2501235	2501204	113607707	113608022	2	+	NM_173842	IL1RN	Interleukin 1 receptor antagonist
2501703	2501697	114364280	114364308	2	+	NM_005721	RPS6KA3	Ribosomal protein S6 kinase, 90kDa, polypeptide 3
2502838	2502821	119846458	119846546	2	+	NM_020548	DBI	Diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)
2504608	2504595	127900238	127900264	2	+	NM_000312	PROC	Protein C (inactivator of coagulation factors Va and VIIIa)

2516453	2516450	175293416	175293442	2 +	XM_930111	LOC644914	Similar to H3 histone, family 3B
2516454	2516450	175293670	175293695	2 +	XM_930111	LOC644914	Similar to H3 histone, family 3B
2516455	2516450	175293768	175293804	2 +	XM_930111	LOC644914	Similar to H3 histone, family 3B
2517322	2517302	177792224	177792268	2 +	NM_194247	HNRPA3	Heterogeneous nuclear ribonucleoprotein A3
2522612	2522598	201658553	201658582	2 +	NM_002491	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa
2522613	2522598	201658592	201658681	2 +	NM_002491	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa
2523630	2523627	203763878	203763920	2 +	AK026526	RPL12	Ribosomal protein L12
2523631	2523627	203763957	203764021	2 +	AK026526	RPL12	Ribosomal protein L12
2523633	2523627	203764078	203764208	2 +	AK026526	RPL12	Ribosomal protein L12
2524601	2524577	206735853	206735882	2 +	NM_001037663	EEF1B2	Eukaryotic translation elongation factor 1 beta 2
2527201	2527196	217072244	217072364	2 +	AK023419	RPL37A	Ribosomal protein L37a
2527204	2527196	217072923	217072998	2 +	AK023419	RPL37A	Ribosomal protein L37a
2527206	2527196	217074328	217074372	2 +	NM_000998	RPL37A	Ribosomal protein L37a
2527207	2527196	217074385	217074415	2 +	NM_000998	RPL37A	Ribosomal protein L37a
2527592	2527580	218708823	218708852	2 +	NM_001557	IL8RB	Interleukin 8 receptor, beta
2527593	2527580	218709391	218710137	2 +	NM_001557	IL8RB	Interleukin 8 receptor, beta
2527609	2527606	218790185	218790217	2 +	NM_152862	ARPC2	Actin related protein 2/3 complex, subunit 2, 34kDa
2527640	2527606	218822332	218822413	2 +	AF279893	ARPC2	Actin related protein 2/3 complex, subunit 2, 34kDa
2527642	2527606	218822789	218822870	2 +	AF279893	ARPC2	Actin related protein 2/3 complex, subunit 2, 34kDa
2527646	2527606	218826899	218826925	2 +	NM_005731	ARPC2	Actin related protein 2/3 complex, subunit 2, 34kDa
2527647	2527606	218826946	218827077	2 +	NM_005731	ARPC2	Actin related protein 2/3 complex, subunit 2, 34kDa
2531382	2531377	230989257	230989287	2 +	NM_003113	SP100	SP100 nuclear antigen



2532046	2532021	232285422	232285458	2 +	BX647606	PTMA	Prothymosin, alpha (gene sequence 28)
2532049	2532021	232285758	232285805	2 +	NM_002823	PTMA	Prothymosin, alpha (gene sequence 28)
2532564	2532510	233364368	233364400	2 +	NM_015575	TNRC15	Trinucleotide repeat containing 15
2544633	2544625	25237338	25237370	2 -	BC065832	POMC	Proopiomelanocortin (adrenocorticotropin/ beta-lipotropin/ alpha-melanocyte stimulating hormone/ beta-melanocyte stimulating hormone/ beta-endorphin)
2545842	2545841	27469089	27469136	2 -	BC035441	FTH1	Ferritin, heavy polypeptide 1
2545844	2545841	27469324	27469367	2 -	BC035441	FTH1	Ferritin, heavy polypeptide 1
2545846	2545841	27469523	27469589	2 -	BC035441	FTH1	Ferritin, heavy polypeptide 1
2549496	2549455	39859758	39859793	2 -	NM_025264	THUMPD2	THUMP domain containing 2
2559801	2559792	74228513	74228543	2 -	NM_212552	BOLA3	BolA homolog 3 (E. coli)
2559970	2559967	74442064	74442096	2 -	NM_033323	SLC4A5	Solute carrier family 4, sodium bicarbonate cotransporter, member 5
2562570	2562529	85969514	85969539	2 -	NM_003896	ST3GAL5	ST3 beta-galactoside alpha-2,3- sialyltransferase 5
2562725	2562685	86275973	86276003	2 -	CR610445	IMMT	Inner membrane protein, mitochondrial (mitofilin)
2571247	2571217	112729030	112729062	2 -	BC032001	ZC3H8	Zinc finger CCCH-type containing 8
2571511	2571510	113304067	113304373	2 -	NM_000576	IL1B	Interleukin 1, beta
2571512	2571510	113304418	113304543	2 -	NM_000576	IL1B	Interleukin 1, beta
2571514	2571510	113305340	113305469	2 -	NM_000576	IL1B	Interleukin 1, beta
2571517	2571510	113306743	113306849	2 -	NM_000576	IL1B	Interleukin 1, beta
2571519	2571510	113307506	113307591	2 -	NM_000576	IL1B	Interleukin 1, beta
2571876	2571874	114085807	114085836	2 -	XM_929847	MGC2752	Hypothetical protein MGC2752
2585800	2585701	168812222	168812290	2 -	NM_013233	STK39	Serine threonine kinase 39 (STE20/SPS1 homolog, yeast)
2585801	2585701	168812312	168812351	2 -	NM_013233	STK39	Serine threonine kinase 39 (STE20/SPS1 homolog, yeast)

2586800	2586798	172081997	172082025	2	-	XM_496442	LOC440733	Similar to 40S ribosomal protein S15 (RIG protein)
2588134	2588127	175751303	175751329	2	-	NM_001002258	ATP5G3	ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit C3 (subunit 9)
2603465	2603460	232028356	232028399	2	-	NM_005381	NCL	Nucleolin
2603466	2603460	232028413	232028456	2	-	NM_005381	NCL	Nucleolin
2610137	2610136	9950562	9950590	3	+	NM_001031717	CRELD1	Cysteine-rich with EGF-like domains 1
2614132	2614120	23935935	23935965	3	+	NM_002948	RPL15	Ribosomal protein L15
2614136	2614120	23936861	23937067	3	+	NM_002948	RPL15	Ribosomal protein L15
2614137	2614120	23937183	23937311	3	+	NM_002948	RPL15	Ribosomal protein L15
2617578	2617563	38159428	38159484	3	+	NM_002468	MYD88	Myeloid differentiation primary response gene (88)
2618653	2618640	40478564	40478607	3	+	NM_003973	RPL14	Ribosomal protein L14
2621693	2621692	48456673	48456705	3	+	BC066333	CCDC72	Coiled-coil domain containing 72
2621703	2621692	48460352	48460378	3	+	NM_015933	CCDC72	Coiled-coil domain containing 72
2622097	2622095	49424810	49424841	3	+	NM_022171	TCTA	T-cell leukemia translocation altered gene
2622154	2622153	49566927	49566974	3	+	NM_003458	BSN	Bassoon (presynaptic cytomatrix protein)
2623142	2623139	51397753	51397779	3	+	NM_006010	ARMET	Arginine-rich, mutated in early stage tumors
2623159	2623154	51404521	51404556	3	+	NM_013286	RBM15B	RNA binding motif protein 15B
2623579	2623568	52256738	52256768	3	+	NM_144641	PPM1M	Protein phosphatase 1M (PP2C domain containing)
2624335	2624291	53201459	53201733	3	+	NM_006254	PRKCD	Protein kinase C, delta
2626168	2626167	58293658	58293726	3	+	NM_017771	PXK	PX domain containing serine/threonine kinase
2633932	2633930	102775750	102775777	3	+	NM_020357	PCNP	PEST proteolytic signal containing nuclear protein
2638872	2638869	123526798	123526829	3	+	NM_005213	CSTA	Cystatin A (stefin A)
2638873	2638869	123526838	123526872	3	+	NM_005213	CSTA	Cystatin A (stefin A)
2638879	2638869	123543017	123543103	3	+	NM_005213	CSTA	Cystatin A (stefin A)
2638880	2638869	123543118	123543196	3	+	NM_005213	CSTA	Cystatin A (stefin A)

2640950	2640916	128882064	128882440	3 +	NM_172027	ABTB1	Ankyrin repeat and BTB (POZ) domain containing 1
2644016	2644014	137451909	137451934	3 +	NM_000532	PCCB	Propionyl Coenzyme A carboxylase, beta polypeptide
2649653	2649640	159852586	159852682	3 +	NM_024996	GFM1	G elongation factor, mitochondrial 1
2656790	2656738	187990113	187990166	3 +	NM_001967	EIF4A2	Eukaryotic translation initiation factor 4A, isoform 2
2659497	2659496	197747816	197747959	3 +	NM_001032	RPS29	Ribosomal protein S29
2660023	2660013	199165271	199165349	3 +	NM_000996	RPL35A	Ribosomal protein L35a
2662489	2662473	9969006	9969031	3 -	NM_207351	PRRT3	Proline-rich transmembrane protein 3
2663355	2663350	12852644	12852717	3 -	NM_000994	RPL32	Ribosomal protein L32
2665203	2665199	18366119	18366178	3 -	NM_002971	SATB1	Special AT-rich sequence binding protein 1 (binds to nuclear matrix/scaffold-associating DNA's)
2666548	2666478	25680724	25680791	3 -	NM_001068	TOP2B	Topoisomerase (DNA) II beta 180kDa
2668406	2668351	33456345	33456372	3 -	NM_014517	UBP1	Upstream binding protein 1 (LBP-1a)
2672730	2672712	47434282	47434316	3 -	NM_012235	SCAP	SREBP cleavage-activating protein
2673274	2673270	48484304	48484577	3 -	NM_016479	SCOTIN	Scotin
2674232	2674229	49369646	49369672	3 -	NM_000581	GPX1	Glutathione peroxidase 1
2674247	2674242	49372382	49372631	3 -	NM_001664	RHOA	Ras homolog gene family, member A
2675860	2675859	52002725	52002804	3 -	NM_000992	RPL29	Ribosomal protein L29
2676625	2676579	53139475	53139502	3 -	NM_052859	RFT1	RFT1 homolog ( <i>S. cerevisiae</i> )
2676676	2676671	53234715	53234789	3 -	NM_001064	TKT	Transketolase (Wernicke-Korsakoff syndrome)
2679195	2679193	61703232	61703335	3 -	NM_007104	RPL10A	Ribosomal protein L10a
2686718	2686717	102778025	102778054	3 -	NM_022551	RPS18	Ribosomal protein S18
2686719	2686717	102778055	102778091	3 -	NM_022551	RPS18	Ribosomal protein S18
2686720	2686717	102778095	102778127	3 -	NM_022551	RPS18	Ribosomal protein S18
2686786	2686768	102887412	102887451	3 -	NM_000986	RPL24	Ribosomal protein L24
2691669	2691668	122832964	122833201	3 -	NM_005335	HCLS1	Hematopoietic cell-specific Lyn substrate 1
2691670	2691668	122833219	122833283	3 -	NM_005335	HCLS1	Hematopoietic cell-specific Lyn substrate 1
2697660	2697652	140147875	140147900	3 -	NM_023067	FOXL2	Forkhead box L2
2698741	2698738	143510834	143510916	3 -	NM_019001	XRN1	5'-3' exoribonuclease 1

2703489	2703488	162629550	162629602	3	-	U37230	RPL23A	Ribosomal protein L23a
2705708	2705706	173706227	173706323	3	-	NM_003810	TNFSF10	Tumor necrosis factor (ligand) superfamily, member 10
2708075	2708066	184691875	184691902	3	-	NM_130446	KLHL6	Kelch-like 6 (Drosophila)
2708484	2708457	185558124	185558180	3	-	NM_004366	CLCN2	Chloride channel 2
2709112	2709062	187138309	187138339	3	-	NM_004593	SFRS10	Splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila)
2730187	2730173	70902495	70902707	4	+	NM_001009181	STATH	Statherin
2730198	2730194	70931059	70931097	4	+	NM_000200	STATH	Statherin
2730203	2730194	70933480	70933515	4	+	NM_000200	STATH	Statherin
2730210	2730194	70936576	70936639	4	+	NM_000200	STATH	Statherin
2730211	2730194	70936681	70936735	4	+	NM_000200	STATH	Statherin
2730224	2730212	70958928	70959047	4	+	CR627329	STATH	Statherin
2730311	2730303	71135407	71135516	4	+	NM_152997	C4orf7	Chromosome 4 open reading frame 7
2730400	2730396	71267214	71267252	4	+	NM_012390	SMR3A	Submaxillary gland androgen regulated protein 3 homolog A (mouse)
2730416	2730404	71290333	71290477	4	+	BC094707	MUC7	Mucin 7, secreted
2730417	2730404	71290515	71290547	4	+	BC094707	MUC7	Mucin 7, secreted
2730440	2730431	71381123	71381158	4	+	NM_152291	MUC7	Mucin 7, secreted
2730445	2730431	71381764	71381798	4	+	NM_152291	MUC7	Mucin 7, secreted
2730447	2730431	71382018	71382161	4	+	NM_152291	MUC7	Mucin 7, secreted
2730448	2730431	71382361	71382841	4	+	NM_152291	MUC7	Mucin 7, secreted
2731335	2731332	74825242	74825300	4	+	NM_000584	IL8	Interleukin 8
2731338	2731332	74826123	74826252	4	+	NM_000584	IL8	Interleukin 8
2731341	2731332	74827307	74828019	4	+	NM_000584	IL8	Interleukin 8
2731389	2731381	74955333	74955769	4	+	NM_001511	CXCL1	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
2733296	2733287	81325644	81325696	4	+	AF275815	PRDM8	PR domain containing 8
2736437	2736322	95804800	95804920	4	+	NM_006457	PDLIM5	PDZ and LIM domain 5
2738919	2738908	109762567	109762603	4	+	NM_033625	RPL34	Ribosomal protein L34
2738921	2738908	109762753	109762809	4	+	NM_033625	RPL34	Ribosomal protein L34
2738923	2738908	109763120	109763171	4	+	NM_033625	RPL34	Ribosomal protein L34
2738924	2738908	109763175	109763223	4	+	NM_033625	RPL34	Ribosomal protein L34

2738928	2738908	109765733	109765800	4 +	NM_033625	RPL34	Ribosomal protein L34
2747394	2747385	152241587	152241752	4 +	NM_001006	RPS3A	Ribosomal protein S3A
2747396	2747385	152243505	152243540	4 +	NM_001006	RPS3A	Ribosomal protein S3A
2747397	2747385	152243644	152243678	4 +	XM_495839	LOC439992	Similar to ribosomal protein S3a
2747404	2747385	152244791	152244859	4 +	NM_001006	RPS3A	Ribosomal protein S3A
2747406	2747385	152245077	152245156	4 +	NM_001006	RPS3A	Ribosomal protein S3A
2756500	2756497	656237	656281	4 -	NM_007100	ATP5I	ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit E
2757444	2757427	1793708	1793743	4 -	NM_012318	LETM1	Leucine zipper-EF-hand containing transmembrane protein 1
2760883	2760869	11039421	11039453	4 -	NM_005114	HS3ST1	Heparan sulfate (glucosamine) 3-O-sulfotransferase 1
2766422	2766419	39132194	39132222	4 -	BC070214	RPL9	Ribosomal protein L9
2766424	2766419	39132558	39132642	4 -	NM_000661	RPL9	Ribosomal protein L9
2766427	2766419	39132893	39132957	4 -	NM_000661	RPL9	Ribosomal protein L9
2766429	2766419	39134422	39134512	4 -	NM_000661	RPL9	Ribosomal protein L9
2766433	2766419	39135633	39135690	4 -	NM_000661	RPL9	Ribosomal protein L9
2777746	2777714	90968319	90968349	4 -	NM_007308	SNCA	Synuclein, alpha (non A4 component of amyloid precursor)
2777882	2777880	91978738	91978804	4 -	NM_183049	TMSL3	Thymosin-like 3
2777883	2777880	91978808	91978879	4 -	NM_183049	TMSL3	Thymosin-like 3
2777885	2777880	91978974	91979071	4 -	NM_183049	TMSL3	Thymosin-like 3
2792434	2792420	166253349	166253375	4 -	BX538029	FLJ38482	Hypothetical protein FLJ38482
2814546	2814527	70787266	70787328	5 +	NM_018429	BDP1	B double prime 1, subunit of RNA polymerase III transcription initiation factor IIIB
2815367	2815331	72836774	72836819	5 +	NM_001037637	BTF3	Basic transcription factor 3
2815368	2815331	72836824	72836874	5 +	NM_001037637	BTF3	Basic transcription factor 3
2815369	2815331	72837004	72837053	5 +	NM_001037637	BTF3	Basic transcription factor 3
2824097	2824089	111525777	111525849	5 +	CR612688	EPB41L4A	Erythrocyte membrane protein band 4.1 like 4A
2828792	2828787	132231079	132231137	5 +	NM_014402	UQCRCQ	Ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa

2828793	2828787	132231143	132231173	5 +	NM_014402	UQCRCQ	Ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa
2829867	2829864	135198449	135198480	5 +	BC025747	LOC153328	Similar to CG4995 gene product
2830743	2830742	137716227	137716342	5 +	NM_016604	JMJD1B	Jumonji domain containing 1B
2830874	2830861	137829542	137829616	5 +	NM_001964	EGR1	Early growth response 1
2830888	2830861	137832438	137832484	5 +	NM_001964	EGR1	Early growth response 1
2830889	2830861	137832489	137832848	5 +	NM_001964	EGR1	Early growth response 1
2835666	2835662	150138497	150138526	5 +	NM_032947	MST150	MSTP150
2836888	2836886	154300864	154300891	5 +	NM_014180	MRPL22	Mitochondrial ribosomal protein L22
2839742	2839735	167976451	167976556	5 +	NM_006013	RPL10	Ribosomal protein L10
2841259	2841184	172312087	172312273	5 +	AF267855	ERGIC1	Endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1
2842575	2842570	175807984	175808014	5 +	NM_014613	UBXD8	UBX domain containing 8
2843505	2843485	177415810	177415861	5 +	NM_000981	RPL19	Ribosomal protein L19
2843856	2843855	178255535	178255562	5 +	NM_030613	PIGF	Phosphatidylinositol glycan anchor biosynthesis, class F
2844539	2844479	179196495	179196727	5 +	NM_003900	SQSTM1	Sequestosome 1
2846539	2846522	2800690	2800717	5 -	NM_033267	IRX2	Iroquois homeobox protein 2
2847371	2847292	6686053	6686085	5 -	NM_017755	NSUN2	NOL1/NOP2/Sun domain family, member 2
2850211	2850071	16989040	16989074	5 -	NM_012334	MYO10	Myosin X
2852326	2852274	32348650	32348698	5 -	NM_001040446	MTMR12	Myotubularin related protein 12
2863638	2863637	77022869	77022975	5 -	NM_004607	TBCA	Tubulin folding cofactor A
2865064	2865050	81607702	81607750	5 -	NM_001025	RPS23	Ribosomal protein S23
2865065	2865050	81607804	81607830	5 -	NM_001025	RPS23	Ribosomal protein S23
2865068	2865050	81607978	81608068	5 -	NM_001025	RPS23	Ribosomal protein S23
2871868	2871821	114989389	114989418	5 -	NM_181836	TICAM2	Toll-like receptor adaptor molecule 2
2871987	2871986	115415471	115415504	5 -	NM_001028	RPS25	Ribosomal protein S25
2875004	2874920	131354528	131354558	5 -	NM_015256	ACSL6	Acyl-CoA synthetase long-chain family member 6
2876019	2876011	133521127	133521182	5 -	NM_006930	SKP1A	S-phase kinase-associated protein 1A (p19A)
2878439	2878437	139991629	139991675	5 -	NM_001040021	CD14	CD14 molecule
2881417	2881413	149804055	149804107	5 -	NM_001025071	RPS14	Ribosomal protein S14

2881421	2881413	149805365	149805424	5	-	NM_001025071	RPS14	Ribosomal protein S14
2881423	2881413	149806572	149806668	5	-	NM_001025071	RPS14	Ribosomal protein S14
2881426	2881413	149807377	149807462	5	-	NM_001025071	RPS14	Ribosomal protein S14
2881673	2881672	150389710	150389744	5	-	NM_006058	TNIP1	TNFAIP3 interacting protein 1
2888658	2888648	176661739	176661767	5	-	NM_001031677	RAB24	RAB24, member RAS oncogene family
2890425	2890413	179315164	179315189	5	-	NM_018434	RNF130	Ring finger protein 130
2891053	2891052	180596600	180596644	5	-	NM_006098	GNB2L1	Guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1
2891059	2891052	180597731	180597812	5	-	NM_006098	GNB2L1	Guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1
2891064	2891052	180598699	180598731	5	-	NM_006098	GNB2L1	Guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1
2891067	2891052	180599134	180599168	5	-	NM_006098	GNB2L1	Guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1
2895300	2895296	12622881	12622911	6	+	XM_927555	RPL15	Ribosomal protein L15
2898103	2898096	22678152	22678199	6	+	NM_138574	HDGFL1	Hepatoma derived growth factor-like 1
2899349	2899340	26493324	26493362	6	+	BC014021	BTN2A2	Butyrophilin, subfamily 2, member A2
2900995	2900974	29801771	29801799	6	+	BC009260	HLA-F	Major histocompatibility complex, class I, F
2901371	2901352	30145737	30146005	6	+	BC003144	PPP1R11	Protein phosphatase 1, regulatory (inhibitor) subunit 11
2901634	2901620	30567316	30567403	6	+	AB209870	HLA-E	Major histocompatibility complex, class I, E
2901637	2901620	30568160	30568192	6	+	NM_005516	HLA-E	Major histocompatibility complex, class I, E
2901639	2901620	30568308	30568337	6	+	M31183	HLA-E	Major histocompatibility complex, class I, E
2901641	2901620	30568611	30568744	6	+	NM_005516	HLA-E	Major histocompatibility complex, class I, E
2902443	2902427	31664535	31664566	6	+	NM_205840	LST1	Leukocyte specific transcript 1
2902457	2902444	31692158	31692211	6	+	NM_001623	AIF1	Allograft inflammatory factor 1
2902460	2902444	31692720	31692756	6	+	NM_004847	AIF1	Allograft inflammatory factor 1
2902715	2902707	31893516	31893591	6	+	NM_005345	HSPA1A	Heat shock 70kDa protein 1A
2902716	2902707	31893597	31893660	6	+	NM_005345	HSPA1A	Heat shock 70kDa protein 1A
2902756	2902736	31915304	31915390	6	+	NM_001040438	C6orf48	Chromosome 6 open reading frame 48

2902757	2902736	31915420	31915446	6 +	NM_001040438	C6orf48	Chromosome 6 open reading frame 48
2903313	2903285	32935187	32935270	6 +	NM_002800	PSMB9	Proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2)
2903562	2903557	33348433	33348463	6 +	XM_371019	LOC388339	Similar to ribosomal protein S18
2903569	2903557	33351747	33351821	6 +	CR611782	RPS18	Ribosomal protein S18
2903573	2903557	33352149	33352191	6 +	CR611782	RPS18	Ribosomal protein S18
2904166	2904129	34820310	34820411	6 +	BX640641	C6orf107	Chromosome 6 open reading frame 107
2904703	2904683	35546338	35546443	6 +	AB082926	RPL10A	Ribosomal protein L10a
2907488	2907459	43013887	43013916	6 +	NM_006586	TNRC5	Trinucleotide repeat containing 5
2908512	2908474	44329499	44329525	6 +	NM_007355	HSP90AB1	Heat shock protein 90kDa alpha (cytosolic), class B member 1
2911307	2911303	57062938	57062963	6 +	BC021712	ZNF451	Zinc finger protein 451
2921303	2921296	111302929	111302955	6 +	AJ420527	AMD1	Adenosylmethionine decarboxylase 1
2922230	2922215	114288990	114289565	6 +	NM_002356	MARCKS	Myristoylated alanine-rich protein kinase C substrate
2923062	2923060	118103351	118103378	6 +	NM_138459	NUS1	Nuclear undecaprenyl pyrophosphate synthase 1 homolog ( <i>S. cerevisiae</i> )
2927257	2927255	137185497	137185526	6 +	NM_000288	PEX7	Peroxisomal biogenesis factor 7
2930813	2930808	149957112	149957140	6 +	NM_022551	RPS18	Ribosomal protein S18
2930816	2930808	149957373	149957407	6 +	NM_022551	RPS18	Ribosomal protein S18
2938990	2938972	2778879	2778932	6 -	NM_030666	SERPINB1	Serpin peptidase inhibitor, clade B (ovalbumin), member 1
2938991	2938972	2778946	2778973	6 -	NM_030666	SERPINB1	Serpin peptidase inhibitor, clade B (ovalbumin), member 1
2938992	2938972	2779071	2779215	6 -	NM_030666	SERPINB1	Serpin peptidase inhibitor, clade B (ovalbumin), member 1
2938996	2938972	2781350	2781461	6 -	CR610002	SERPINB1	Serpin peptidase inhibitor, clade B (ovalbumin), member 1
2938999	2938972	2783128	2783163	6 -	CR610002	SERPINB1	Serpin peptidase inhibitor, clade B (ovalbumin), member 1
2945504	2945440	24465958	24465985	6 -	AF181721	DCDC2	Doublecortin domain containing 2
2948199	2948188	30151090	30151118	6 -	NM_170770	RNF39	Ring finger protein 39



2948632	2948630	30819103	30819605	6	-	NM_003897	IER3	Immediate early response 3
2948893	2948887	31344559	31344630	6	-	BC008457	HLA-B	Major histocompatibility complex, class I, B
2948894	2948887	31344801	31344827	6	-	CR625377	HLA-B	Major histocompatibility complex, class I, B
2948895	2948887	31344828	31344861	6	-	CR625377	HLA-B	Major histocompatibility complex, class I, B
2948896	2948887	31344862	31344919	6	-	CR625377	HLA-B	Major histocompatibility complex, class I, B
2948899	2948887	31345249	31345280	6	-	BC008457	HLA-B	Major histocompatibility complex, class I, B
2948908	2948887	31346858	31346891	6	-	CR626083	HLA-B	Major histocompatibility complex, class I, B
2948932	2948926	31429641	31429710	6	-	AK124160	HLA-B	Major histocompatibility complex, class I, B
2948933	2948926	31429762	31429877	6	-	AK124160	HLA-B	Major histocompatibility complex, class I, B
2948936	2948926	31430239	31430278	6	-	X02494	HLA-B	Major histocompatibility complex, class I, B
2948938	2948926	31430391	31430418	6	-	X02494	HLA-B	Major histocompatibility complex, class I, B
2948941	2948926	31430895	31430929	6	-	X02494	HLA-B	Major histocompatibility complex, class I, B
2948951	2948926	31431952	31431985	6	-	AK124160	HLA-B	Major histocompatibility complex, class I, B
2949119	2949118	31656412	31656453	6	-	NM_002341	LTB	Lymphotoxin beta (TNF superfamily, member 3)
2949260	2949256	31763259	31763292	6	-	NM_021160	BAT5	HLA-B associated transcript 5
2949331	2949330	31806376	31806551	6	-	NM_001288	CLIC1	Chloride intracellular channel 1
2949745	2949622	32196346	32196373	6	-	BC008394	TNXB	Tenascin XB
2951151	2951150	34493267	34493302	6	-	BC073799	RPS10	Ribosomal protein S10
2951156	2951150	34494148	34494179	6	-	BC073799	RPS10	Ribosomal protein S10
2952103	2952102	37043964	37044204	6	-	AF192559	MTCH1	Mitochondrial carrier homolog 1 (C. elegans)

2953585	2953570	41351774	41351837	6	-	NM_018643	TREM1	Triggering receptor expressed on myeloid cells 1
2953586	2953570	41351857	41351899	6	-	NM_018643	TREM1	Triggering receptor expressed on myeloid cells 1
2953587	2953570	41351921	41351946	6	-	NM_018643	TREM1	Triggering receptor expressed on myeloid cells 1
2954417	2954355	43128348	43128377	6	-	NM_014780	CUL7	Cullin 7
2956776	2956759	50988516	50988615	6	-	NR_002203		Homo sapiens ferritin, heavy polypeptide-like 8 (FTHL8) on chromosome X.
2960868	2960867	74139400	74139472	6	-	NM_001000	RPL39	Ribosomal protein L39
2960909	2960903	74284051	74284211	6	-	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
2960911	2960903	74284254	74284284	6	-	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
2960912	2960903	74284285	74284310	6	-	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
2960913	2960903	74284324	74284377	6	-	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
2960915	2960903	74284474	74284517	6	-	CR594643	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
2960916	2960903	74284652	74284681	6	-	CR598396	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
2960918	2960903	74284844	74284874	6	-	CR598396	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
2960919	2960903	74284942	74284984	6	-	CR598396	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
2960920	2960903	74284999	74285046	6	-	CR598396	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
2961302	2961300	76004274	76004356	6	-	NM_001865	COX7A2	Cytochrome c oxidase subunit VIIa polypeptide 2 (liver)
2962044	2962026	80303565	80303595	6	-	NM_181714	C6orf152	Chromosome 6 open reading frame 152
2969537	2969467	111243102	111243128	6	-	NM_015076	CDC2L6	Cell division cycle 2-like 6 (CDK8-like)
2974534	2974469	132875856	132875885	6	-	NM_003569	STX7	Syntaxin 7

2980367	2980366	153645079	153645113	6	-	XM_371853	LOC389435	Similar to 60S ribosomal protein L27a
2980369	2980366	153645229	153645312	6	-	XM_371853	LOC389435	Similar to 60S ribosomal protein L27a
2981875	2981874	158977679	158977792	6	-	AK026669	DYNLT1	Dynein, light chain, Tctex-type 1
2982321	2982319	160020256	160020283	6	-	NM_001024466	SOD2	Superoxide dismutase 2, mitochondrial
2982322	2982319	160020284	160020320	6	-	NM_001024466	SOD2	Superoxide dismutase 2, mitochondrial
2982327	2982319	160023524	160023630	6	-	NM_000636	SOD2	Superoxide dismutase 2, mitochondrial
2982329	2982319	160025897	160026048	6	-	NM_000636	SOD2	Superoxide dismutase 2, mitochondrial
2982331	2982319	160029163	160029262	6	-	X15132	SOD2	Superoxide dismutase 2, mitochondrial
2985839	2985781	169379337	169379366	6	-	NM_003247	THBS2	Thrombospondin 2
2989070	2989050	6406282	6406342	7	+	NM_198829	RAC1	Ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
2989076	2989050	6408483	6408558	7	+	NM_198829	RAC1	Ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
2989077	2989050	6408635	6408730	7	+	NM_198829	RAC1	Ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
2992248	2992243	21549502	21549529	7	+	NM_003777	DNAH11	Dynein, axonemal, heavy chain 11
2998549	2998536	39957155	39957209	7	+	NM_003718	CDC2L5	Cell division cycle 2-like 5 (cholinesterase-related cell division controller)
2999910	2999906	44474304	44474333	7	+	NM_000994	RPL32	Ribosomal protein L32
3000087	3000073	44805867	44805926	7	+	XM_929754	FHIT	Fragile histidine triad gene
3000091	3000073	44807423	44807456	7	+	NM_021130	PPIA	Peptidylprolyl isomerase A (cyclophilin A)
3000093	3000073	44807683	44807716	7	+	NM_021130	PPIA	Peptidylprolyl isomerase A (cyclophilin A)

3008237	3008220	73406147	73406262	7	+	NM_003388	CYLN2	Cytoplasmic linker 2
3009961	3009959	77004695	77004722	7	+	NM_002835	PTPN12	Protein tyrosine phosphatase, non-receptor type 12
3014252	3014229	97758434	97758491	7	+	NM_015379	BRI3	Brain protein I3
3014254	3014229	97758587	97758624	7	+	NM_015379	BRI3	Brain protein I3
3014255	3014229	97758633	97758664	7	+	NM_015379	BRI3	Brain protein I3
3014256	3014229	97758673	97758699	7	+	NM_015379	BRI3	Brain protein I3
3014739	3014714	98830062	98830219	7	+	NM_005720	ARPC1B	Actin related protein 2/3 complex, subunit 1B, 41kDa
3015161	3015147	99460367	99460439	7	+	AY260738	ZKSCAN1	Zinc finger with KRAB and SCAN domains 1
3015606	3015603	99974908	99975009	7	+	NM_006076	HRBL	HIV-1 Rev binding protein-like
3022421	3022409	127018648	127018972	7	+	NM_001662	ARF5	ADP-ribosylation factor 5
3023321	3023318	128572096	128572130	7	+	NM_178562	TSPAN33	Tetraspanin 33
3026348	3026345	136849464	136849491	7	+	ENST00000314842		ribosomal protein L41 (RPL41), transcript variant 2, mRNA gene:ENSG00000176534
3026990	3026988	138695220	138695257	7	+	BC042625	LUC7L2	LUC7-like 2 ( <i>S. cerevisiae</i> )
3028945	3028934	142546306	142546404	7	+	NM_002652	PIP	Prolactin-induced protein
3028948	3028934	142546861	142546904	7	+	BC010951	PIP	Prolactin-induced protein
3031496	3031466	149805577	149805607	7	+	NM_175571	GIMAP8	GTPase, IMAP family member 8
3032244	3032243	151353810	151353838	7	+	NM_022087	GALNT11	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 11 (GalNAc-T11)
3036928	3036924	5533926	5534040	7	-	NM_001101	ACTB	Actin, beta
3036937	3036924	5535384	5535535	7	-	NM_001101	ACTB	Actin, beta
3037297	3037251	6278630	6278663	7	-	NM_004227	PSCD3	Pleckstrin homology, Sec7 and coiled-coil domains 3
3038619	3038617	10939644	10939745	7	-	NM_002489	NDUFA4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa
3038620	3038617	10939796	10939844	7	-	NM_002489	NDUFA4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa
3038624	3038617	10944980	10945032	7	-	NM_002489	NDUFA4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa

3041173	3041172	22516497	22516645	7 -	AK222523	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3041174	3041172	22516693	22516737	7 -	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3041175	3041172	22516765	22516795	7 -	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3041176	3041172	22516796	22516825	7 -	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3041177	3041172	22516860	22516907	7 -	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3041178	3041172	22516960	22516994	7 -	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3041180	3041172	22517160	22517192	7 -	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3041181	3041172	22517260	22517302	7 -	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3041182	3041172	22517340	22517508	7 -	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3041184	3041172	22517634	22517713	7 -	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3041262	3041260	22819169	22819203	7 -	NM_019059	TOMM7	Translocase of outer mitochondrial membrane 7 homolog (yeast)
3041524	3041519	23512362	23512410	7 -	NM_013293	TRA2A	Transformer-2 alpha
3061018	3060994	91601537	91601572	7 -	NM_000786	CYP51A1	Cytochrome P450, family 51, subfamily A, polypeptide 1
3062389	7385696	96162047	96162112	7 -	NM_006304	SHFM1	Split hand/foot malformation (ectrodactyly) type 1
3062398	7385696	96176954	96176982	7 -	NM_006304	SHFM1	Split hand/foot malformation (ectrodactyly) type 1
3062954	3062953	97853076	97853118	7 -	XM_495839	LOC439992	Similar to ribosomal protein S3a
3062956	3062953	97853274	97853312	7 -	XM_495839	LOC439992	Similar to ribosomal protein S3a
3062958	3062953	97853415	97853450	7 -	XM_927103	LOC400652	Similar to 40S ribosomal protein S3a

3062959	3062953	97853483	97853528	7	-	NM_001006	RPS3A	Ribosomal protein S3A
3064471	3064462	100593767	100593802	7	-	NM_003378	VGF	VGF nerve growth factor inducible
3066826	3066818	105678367	105678398	7	-	NM_005746	PBEF1	Pre-B-cell colony enhancing factor 1
3066827	3066818	105678429	105678680	7	-	NM_005746	PBEF1	Pre-B-cell colony enhancing factor 1
3066828	3066818	105678818	105678867	7	-	NM_005746	PBEF1	Pre-B-cell colony enhancing factor 1
3066832	3066818	105680736	105680812	7	-	NM_005746	PBEF1	Pre-B-cell colony enhancing factor 1
3066834	3066818	105682062	105682150	7	-	NM_005746	PBEF1	Pre-B-cell colony enhancing factor 1
3066842	3066818	105689295	105689355	7	-	NM_005746	PBEF1	Pre-B-cell colony enhancing factor 1
3066845	3066818	105691075	105691233	7	-	NM_005746	PBEF1	Pre-B-cell colony enhancing factor 1
3073748	3073747	132369843	132369874	7	-	NM_001404	EEF1G	Eukaryotic translation elongation factor 1 gamma
3073755	3073747	132370720	132370797	7	-	NM_001404	EEF1G	Eukaryotic translation elongation factor 1 gamma
3082551	3082531	347038	347066	8	+	NM_183421	FBXO25	F-box protein 25
3088569	3088544	20122565	20123288	8	+	NM_001693	ATP6V1B2	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2
3091360	3091301	27364245	27364312	8	+	NM_173176	PTK2B	PTK2B protein tyrosine kinase 2 beta
3091810	3091797	28629511	28629538	8	+	NM_001440	EXTL3	Exostoses (multiple)-like 3
3129950	3129948	30040317	30040832	8	-	NM_016127	TMEM66	Transmembrane protein 66
3135250	3135184	53789218	53789245	8	-	NM_014781	RB1CC1	RB1-inducible coiled-coil 1
3136139	3136129	57148300	57148369	8	-	NM_001023	RPS20	Ribosomal protein S20
3136141	3136129	57148845	57148877	8	-	ENSESTT00000029711	RPS20	Ribosomal protein S20
3136145	3136129	57149192	57149248	8	-	NM_001023	RPS20	Ribosomal protein S20
3140840	3140833	75021441	75021472	8	-	BC093065	TCEB1	Transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C)
3145569	3145567	97312365	97312458	8	-	NM_006294	UQCRB	Ubiquinol-cytochrome c reductase binding protein
3145955	3145953	99123156	99123186	8	-	NM_000989	RPL30	Ribosomal protein L30
3145956	3145953	99123206	99123254	8	-	NM_000989	RPL30	Ribosomal protein L30
3145960	3145953	99124050	99124075	8	-	NM_000989	RPL30	Ribosomal protein L30
3146442	3146433	100968949	100969022	8	-	NM_004374	COX6C	Cytochrome c oxidase subunit VIc
3146788	3146781	101784417	101784630	8	-	NM_030979	PABPC3	Poly(A) binding protein, cytoplasmic 3
3146789	3146781	101784685	101784761	8	-	NM_002568	PABPC1	Poly(A) binding protein, cytoplasmic 1
3146791	3146781	101785704	101785790	8	-	NM_030979	PABPC3	Poly(A) binding protein, cytoplasmic 3
3146793	3146781	101786331	101786434	8	-	NM_030979	PABPC3	Poly(A) binding protein, cytoplasmic 3

3146794	3146781	101786994	101787058	8	-	NM_030979	PABPC3	Poly(A) binding protein, cytoplasmic 3
3146795	3146781	101788118	101788190	8	-	NM_030979	PABPC3	Poly(A) binding protein, cytoplasmic 3
3146799	3146781	101790541	101790621	8	-	NM_030979	PABPC3	Poly(A) binding protein, cytoplasmic 3
3146802	3146781	101791079	101791134	8	-	NM_030979	PABPC3	Poly(A) binding protein, cytoplasmic 3
3146903	3146898	102000092	102000125	8	-	NM_003406	YWHAZ	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide
3148927	3148871	110772833	110772862	8	-	AK000373	FLJ20366	Hypothetical protein FLJ20366
3154318	3154317	134318629	134318717	8	-	NM_006096	NDRG1	N-myc downstream regulated gene 1
3156710	3156655	142586359	142586406	8	-	NM_207414	FLJ43860	FLJ43860 protein
3157597	3157596	144733106	144733136	8	-	XM_058967	LOC126037	Similar to Elongation factor 1-delta (EF-1-delta) (Antigen NY-CO-4)
3157605	3157596	144734542	144734598	8	-	XM_058967	LOC126037	Similar to Elongation factor 1-delta (EF-1-delta) (Antigen NY-CO-4)
3157794	3157751	144962767	144962794	8	-	NM_182706	SCRIB	Scribbled homolog (Drosophila)
3159041	3159040	145986002	145986057	8	-	CR623747	RPL8	Ribosomal protein L8
3159042	3159040	145986065	145986135	8	-	CR623747	RPL8	Ribosomal protein L8
3159044	3159040	145986544	145986650	8	-	NM_000973	RPL8	Ribosomal protein L8
3159050	3159040	145987512	145987537	8	-	NM_000973	RPL8	Ribosomal protein L8
3174832	3174816	74964069	74964142	9	+	NM_000700	ANXA1	Annexin A1
3174835	3174816	74965024	74965110	9	+	NM_000700	ANXA1	Annexin A1
3174836	3174816	74965556	74965627	9	+	NM_000700	ANXA1	Annexin A1
3174838	3174816	74967521	74967590	9	+	NM_000700	ANXA1	Annexin A1
3174840	3174816	74968213	74968244	9	+	NM_000700	ANXA1	Annexin A1
3174845	3174816	74969882	74969913	9	+	NM_000700	ANXA1	Annexin A1
3174847	3174816	74970846	74970905	9	+	NM_000700	ANXA1	Annexin A1
3174850	3174816	74972233	74972259	9	+	NM_000700	ANXA1	Annexin A1
3174853	3174816	74973780	74973887	9	+	NM_000700	ANXA1	Annexin A1
3174856	3174816	74974787	74974838	9	+	NM_000700	ANXA1	Annexin A1
3174857	3174816	74974844	74974970	9	+	NM_000700	ANXA1	Annexin A1
3177565	3177563	87745891	87745965	9	+	NM_024635	MAK10	MAK10 homolog, amino-acid N-acetyltransferase subunit, ( <i>S. cerevisiae</i> )

3178482	3178480	90339839	90339865	9 +	NM_145283	C9orf121	Chromosome 9 open reading frame 121
3181304	3181302	99435985	99436018	9 +	NM_002486	NCBP1	Nuclear cap binding protein subunit 1, 80kDa
3184980	3184940	113472202	113472301	9 +	NM_001017998	GNG10	Guanine nucleotide binding protein (G protein), gamma 10
3186504	3186491	117956216	117956250	9 +	NM_002581	PAPPA	Pregnancy-associated plasma protein A, pappalysin 1
3190334	3190331	130103573	130103765	9 +	AK025326		Homo sapiens cDNA: FLJ21673 fis, clone COL09042.
3192647	3192640	134885536	134885578	9 +	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3192648	3192640	134885646	134885676	9 +	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3192649	3192640	134885739	134885778	9 +	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3192650	3192640	134885844	134885878	9 +	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3192651	3192640	134885931	134885978	9 +	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3192652	3192640	134886115	134886281	9 +	NM_001402	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
3193533	3193482	136782234	136782270	9 +	NM_000093	COL5A1	Collagen, type V, alpha 1
3193727	3193725	137107374	137107399	9 +	NM_014279	OLFM1	Olfactomedin 1
3193892	3193870	137519331	137519357	9 +	NM_014811	KIAA0649	KIAA0649
3195224	3195174	139122876	139122907	9 +	NM_016219	MAN1B1	Mannosidase, alpha, class 1B, member 1
3199683	3199662	15175405	15175442	9 -	BC038592	C9orf52	Chromosome 9 open reading frame 52
3200715	3200689	19366291	19366316	9 -	CR599051	RPS6	Ribosomal protein S6
3200716	3200689	19366336	19366365	9 -	CR599051	RPS6	Ribosomal protein S6
3200718	3200689	19366535	19366564	9 -	CR599051	RPS6	Ribosomal protein S6
3200719	3200689	19366588	19366617	9 -	CR599051	RPS6	Ribosomal protein S6
3200724	3200689	19368461	19368490	9 -	CR599051	RPS6	Ribosomal protein S6
3200725	3200689	19368719	19368755	9 -	CR599051	RPS6	Ribosomal protein S6



3200726	3200689	19368811	19368907	9	-	CR599051	RPS6	Ribosomal protein S6
3203490	3203482	33245101	33245183	9	-	NM_004323	BAG1	BCL2-associated athanogene
3205034	3205033	35961161	35961320	9	-	BC071708	YBX1	Y box binding protein 1
3205037	3205033	35961644	35961672	9	-	BC071708	YBX1	Y box binding protein 1
3220162	3220156	112046893	112046938	9	-	NM_003329	TXN	Thioredoxin
3220876	3220846	113844015	113844043	9	-	NM_022486	SUSD1	Sushi domain containing 1
3224174	3224087	123895304	123895333	9	-	NM_194252	TTL11	Tubulin tyrosine ligase-like family, member 11
3225005	3225003	126155657	126155689	9	-	NM_002799	PSMB7	Proteasome (prosome, macropain) subunit, beta type, 7
3225400	3225398	127038358	127038411	9	-	NM_005347	HSPA5	Heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
3225933	3225930	129250006	129250063	9	-	AK057602	RPL12	Ribosomal protein L12
3225935	3225930	129250445	129250480	9	-	NM_000976	RPL12	Ribosomal protein L12
3225939	3225930	129251395	129251438	9	-	XM_929836	LOC646875	Similar to 60S ribosomal protein L12
3225940	3225930	129251746	129251775	9	-	AK057602	RPL12	Ribosomal protein L12
3225959	3225952	129309378	129309410	9	-	NM_001035534	FAM129B	Family with sequence similarity 129, member B
3230532	3230530	138954740	138954828	9	-	NM_018998	FBXW5	F-box and WD-40 domain protein 5
3233651	3233605	6306140	6306178	10	+	NM_004566	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
3246403	3246372	51260436	51260467	10	+	NM_005437	NCOA4	Nuclear receptor coactivator 4
3246404	3246372	51260537	51260603	10	+	NM_005437	NCOA4	Nuclear receptor coactivator 4
3249591	3249587	69314726	69314758	10	+	NM_012238	SIRT1	Sirtuin (silent mating type information regulation 2 homolog) 1 ( <i>S. cerevisiae</i> )
3250158	3250146	70526851	70526913	10	+	NM_002727	PRG1	Proteoglycan 1, secretory granule
3250159	3250146	70526934	70526989	10	+	NM_002727	PRG1	Proteoglycan 1, secretory granule
3250160	3250146	70533639	70533771	10	+	NM_002727	PRG1	Proteoglycan 1, secretory granule
3250161	3250146	70533772	70533837	10	+	NM_002727	PRG1	Proteoglycan 1, secretory granule
3250162	3250146	70533887	70534419	10	+	NM_002727	PRG1	Proteoglycan 1, secretory granule
3250163	3250146	70534505	70534531	10	+	NM_002727	PRG1	Proteoglycan 1, secretory granule
3253447	3253438	79466984	79467061	10	+	NM_001026	RPS24	Ribosomal protein S24
3253453	3253438	79470416	79470444	10	+	NM_001026	RPS24	Ribosomal protein S24

3253902	3253880	80783683	80784289	10	+	NM_005729	PPIF	Peptidylprolyl isomerase F (cyclophilin F)
3256259	3256221	88772051	88772111	10	+	GENSCAN00000054464		cdna:Genscan chromosome:NCBI36:10:88717948:8877 6340:1
3256261	3256221	88774347	88774374	10	+	GENSCAN00000054464		cdna:Genscan chromosome:NCBI36:10:88717948:8877 6340:1
3256262	3256221	88774412	88774465	10	+	XM_001127396		PREDICTED: Homo sapiens hypothetical protein LOC728122 (LOC728122), mRNA.
3259405	3259400	97794100	97794130	10	+	NM_019084	CCNJ	Cyclin J
3259619	3259610	98500523	98500594	10	+	NM_012423	RPL13A	Ribosomal protein L13a
3260751	3260700	102495945	102495977	10	+	NM_003987	PAX2	Paired box gene 2
3263978	3263944	112648079	112648464	10	+	BX537500	PDCD4	Programmed cell death 4 (neoplastic transformation inhibitor)
3273181	3273178	82997	83025	10	-	XM_932717	LOC643224	Similar to tubulin, beta 8
3275141	3275132	5847204	5847260	10	-	NM_001494	GDI2	GDP dissociation inhibitor 2
3293356	3293341	71806296	71806333	10	-	NM_207119	LRRC20	Leucine rich repeat containing 20
3293764	3293762	73246113	73246221	10	-	NM_001042465	PSAP	Prosaposin (variant Gaucher disease and variant metachromatic leukodystrophy)
3293765	3293762	73246258	73246301	10	-	NM_001042465	PSAP	Prosaposin (variant Gaucher disease and variant metachromatic leukodystrophy)
3293766	3293762	73246385	73246464	10	-	NM_001042465	PSAP	Prosaposin (variant Gaucher disease and variant metachromatic leukodystrophy)
3296285	3296046	79067338	79067406	10	-	NM_001014797	KCNMA1	Potassium large conductance calcium- activated channel, subfamily M, alpha member 1
3297685	3297666	82106448	82106479	10	-	NM_138812	DYDC1	DPY30 domain containing 1
3299755	3299705	91394964	91395039	10	-	NM_148977	PANK1	Pantothenate kinase 1

3300871	3300869	95708487	95708520	10	-	NM_002810	PSMD4	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 4
3304748	3304746	105138821	105138885	10	-	AJ272056	USMG5	Upregulated during skeletal muscle growth 5 homolog (mouse)
3309382	3309345	120915156	120915194	10	-	NM_178867	SFXN4	Sideroflexin 4
3309937	3309936	122104208	122104267	10	-	XM_370611	LOC387753	Similar to 60S ribosomal protein L21
3309938	3309936	122104287	122104378	10	-	XM_370611	LOC387753	Similar to 60S ribosomal protein L21
3315670	3315658	299026	299061	11	+	BC009696	IFITM2	Interferon induced transmembrane protein 2 (1-8D)
3315671	3315658	299088	299124	11	+	BC009696	IFITM2	Interferon induced transmembrane protein 2 (1-8D)
3315673	3315658	299200	299293	11	+	BC009696	IFITM2	Interferon induced transmembrane protein 2 (1-8D)
3315674	3315658	299323	299369	11	+	BC009696	IFITM2	Interferon induced transmembrane protein 2 (1-8D)
3315685	3315675	305048	305085	11	+	NM_003641	IFITM1	Interferon induced transmembrane protein 1 (9-27)
3315687	3315675	305193	305257	11	+	NM_003641	IFITM1	Interferon induced transmembrane protein 1 (9-27)
3316227	3316208	754911	755008	11	+	NM_006755	TALDO1	Transaldolase 1
3316284	3316267	802539	802591	11	+	NM_001004	TSPAN4	Tetraspanin 4
3316286	3316267	802763	802826	11	+	NM_001004	TSPAN4	Tetraspanin 4
3319604	3319586	8662947	8663015	11	+	ENSESTT00000033787	RPL27A	Ribosomal protein L27a
3319610	3319586	8663833	8663899	11	+	NM_000990	RPL27A	Ribosomal protein L27a
3321272	3321269	13646843	13646889	11	+	AK026381	MLSTD2	Male sterility domain containing 2
3322526	3322521	17714444	17714473	11	+	NM_004976	KCNC1	Potassium voltage-gated channel, Shaw-related subfamily, member 1
3322802	3322775	18385365	18385404	11	+	NM_005566	LDHA	Lactate dehydrogenase A
3322803	3322775	18385448	18385477	11	+	NM_005566	LDHA	Lactate dehydrogenase A
3322805	3322775	18385589	18385617	11	+	NM_005566	LDHA	Lactate dehydrogenase A
3322965	3322958	19095373	19095399	11	+	NM_001001483	ZDHHC13	Zinc finger, DHHC-type containing 13
3329071	3329069	45863948	45864038	11	+	NM_005456	MAPK8IP1	Mitogen-activated protein kinase 8 interacting protein 1

3329260	3329247	46323608	46323651	11	+	NM_201533	DGKZ	Diacylglycerol kinase, zeta 104kDa
3331435	3331433	57192184	57192213	11	+	NM_015457	ZDHHC5	Zinc finger, DHHC-type containing 5
3333094	3333086	61160983	61161018	11	+	BC010523	RPLP0P2	Ribosomal protein, large, P0 pseudogene 2
3333101	3333086	61161685	61161729	11	+	BC010523	RPLP0P2	Ribosomal protein, large, P0 pseudogene 2
3333382	3333358	61669103	61669132	11	+	NM_020238	INCENP	Inner centromere protein antigens 135/155kDa
3334133	3334125	63500481	63500506	11	+	NM_004074	COX8A	Cytochrome c oxidase subunit 8A (ubiquitous)
3334515	3334501	63845795	63845830	11	+	NM_181652	PRDX5	Peroxiredoxin 5
3334521	3334518	63864655	63864738	11	+	NM_032251	CCDC88	Coiled-coil domain containing 88
3335752	3335751	65469691	65469719	11	+	NM_152762	TSGA10IP	Testis specific, 10 interacting protein
3336045	3336043	65781851	65781889	11	+	NM_022822	KLC2	Kinesin light chain 2
3338428	3338424	69727449	69727474	11	+	NM_003824	FADD	Fas (TNFRSF6)-associated via death domain
3339038	3339036	70916042	70916079	11	+	NM_021046	KRTAP5-9	Keratin associated protein 5-9
3339231	3339230	71317756	71317813	11	+	NM_018320	RNF121	Ring finger protein 121
3339980	3339971	73037753	73037780	11	+	NM_021200	PLEKHB1	Pleckstrin homology domain containing, family B (evectins) member 1
3340554	3340545	74790359	74790392	11	+	NM_001005	RPS3	Ribosomal protein S3
3340555	3340545	74790398	74790425	11	+	NM_001005	RPS3	Ribosomal protein S3
3340560	3340545	74792712	74792739	11	+	NM_001005	RPS3	Ribosomal protein S3
3340561	3340545	74792750	74792797	11	+	NM_001005	RPS3	Ribosomal protein S3
3340562	3340545	74792845	74792883	11	+	NM_001005	RPS3	Ribosomal protein S3
3340565	3340545	74793374	74793401	11	+	NM_001005	RPS3	Ribosomal protein S3
3340566	3340545	74793402	74793433	11	+	NM_001005	RPS3	Ribosomal protein S3
3340567	3340545	74793452	74793494	11	+	NM_001005	RPS3	Ribosomal protein S3
3340570	3340545	74794306	74794339	11	+	NM_001005	RPS3	Ribosomal protein S3
3341145	3341137	76429075	76429103	11	+	NM_138706	B3GNT6	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6 (core 3 synthase)

3343258	3343252	85691139	85691168	11	+	NM_016401	C11orf73	Chromosome 11 open reading frame 73
3345247	3345222	94172625	94172659	11	+	NM_130847	AMOTL1	Angiomotin like 1
3351371	3351359	117784964	117785016	11	+	NM_006476	ATP5L	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit G
3351372	3351359	117785024	117785099	11	+	NM_006476	ATP5L	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit G
3357846	3357840	309886	309977	11	-	XM_084845	LOC144383	Similar to Interferon-induced transmembrane protein 3 (Interferon-inducible protein 1-8U)
3357851	3357840	310565	310772	11	-	XM_084845	LOC144383	Similar to Interferon-induced transmembrane protein 3 (Interferon-inducible protein 1-8U)
3360007	3360006	3804857	3805161	11	-	NM_001665	RHOG	Ras homolog gene family, member G (rho G)
3362638	3362636	10249387	10250152	11	-	NM_001017998	GNG10	Guanine nucleotide binding protein (G protein), gamma 10
3364706	3364704	16952870	16952941	11	-	XM_208185	LOC284230	Similar to large subunit ribosomal protein L36a
3364723	3364722	17052523	17052555	11	-	NM_001017	RPS13	Ribosomal protein S13
3364724	3364722	17052556	17052586	11	-	NM_001017	RPS13	Ribosomal protein S13
3371638	3371637	46406734	46406778	11	-	NM_001014	RPS10	Ribosomal protein S10
3371639	3371637	46406792	46406821	11	-	NM_001014	RPS10	Ribosomal protein S10
3372162	3372129	47325778	47325807	11	-	NM_000256	MYBPC3	Myosin binding protein C, cardiac
3372348	3372337	47556967	47557051	11	-	NM_016506	MTCH2	Mitochondrial carrier homolog 2 (C. elegans)
3373700	3373675	56833018	56833049	11	-	NM_033396	TNKS1BP1	Tankyrase 1 binding protein 1, 182kDa
3375649	3375648	61488360	61488439	11	-	NM_002032	FTH1	Ferritin, heavy polypeptide 1
3375650	3375648	61488520	61488606	11	-	NM_002032	FTH1	Ferritin, heavy polypeptide 1
3375651	3375648	61488662	61488691	11	-	NM_002032	FTH1	Ferritin, heavy polypeptide 1
3375652	3375648	61488806	61488836	11	-	NM_002032	FTH1	Ferritin, heavy polypeptide 1
3375654	3375648	61489104	61489144	11	-	NM_002032	FTH1	Ferritin, heavy polypeptide 1
3375656	3375648	61489426	61489464	11	-	NM_002032	FTH1	Ferritin, heavy polypeptide 1
3375657	3375648	61489504	61489563	11	-	NM_002032	FTH1	Ferritin, heavy polypeptide 1

3375663	3375648	61491360	61491431	11	-	NM_002032	FTH1	Ferritin, heavy polypeptide 1
3375664	3375648	61491474	61491501	11	-	NM_002032	FTH1	Ferritin, heavy polypeptide 1
3375806	3375805	62083663	62083694	11	-	NM_001404	EEF1G	Eukaryotic translation elongation factor 1 gamma
3375807	3375805	62083733	62083864	11	-	CR613299	LOC642357	Similar to Elongation factor 1-gamma (EF-1-gamma) (eEF-1B gamma)
3375811	3375805	62084372	62084483	11	-	CR613299	LOC642357	Similar to Elongation factor 1-gamma (EF-1-gamma) (eEF-1B gamma)
3375820	3375805	62095034	62095111	11	-	CR613299	LOC642357	Similar to Elongation factor 1-gamma (EF-1-gamma) (eEF-1B gamma)
3377040	3377016	64282499	64282526	11	-	NM_005609	PYGM	Phosphorylase, glycogen; muscle (McArdle syndrome, glycogen storage disease type V)
3377046	3377044	64288681	64288709	11	-	NM_201998	SF1	Splicing factor 1
3377465	3377463	64644778	64644809	11	-	NM_001997	FAU	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed (fox derived); ribosomal protein S30
3377467	3377463	64645029	64645082	11	-	NM_001997	FAU	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed (fox derived); ribosomal protein S30
3377743	3377737	65117390	65117429	11	-	NM_005714	KCNK7	Potassium channel, subfamily K, member 7
3377892	3377886	65378888	65378925	11	-	NM_005507	CFL1	Cofilin 1 (non-muscle)
3377893	3377886	65379006	65379205	11	-	NM_005507	CFL1	Cofilin 1 (non-muscle)
3378291	3378281	65962802	65962828	11	-	NM_170738	MRPL11	Mitochondrial ribosomal protein L11
3383148	3383138	77458567	77458598	11	-	AF087899	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa
3383149	3383138	77458599	77458664	11	-	NM_004549	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa
3383152	3383138	77461693	77461763	11	-	NM_004549	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa
3393672	3393670	117570250	117570284	11	-	NM_153206	AMICA1	Adhesion molecule, interacts with CXADR antigen 1

3394071	3394068	118391765	118391837	11	-	NM_001028	RPS25	Ribosomal protein S25
3395420	3395416	122433583	122433651	11	-	NM_006597	HSPA8	Heat shock 70kDa protein 8
3402647	3402625	6517064	6517094	12	+	NM_002046	GAPDH	Glyceraldehyde-3-phosphate dehydrogenase
3402955	3402935	6850196	6850235	12	+	NM_000365	TPI1	Triosephosphate isomerase 1
3403609	3403595	8182229	8182311	12	+	NM_194447	CLEC4A	C-type lectin domain family 4, member A
3409130	3409127	27377273	27377303	12	+	NM_020183	ARNTL2	Aryl hydrocarbon receptor nuclear translocator-like 2
3413900	3413875	48009032	48009087	12	+	NM_005480	TROAP	Trophinin associated protein (tastin)
3414157	3414104	48324156	48324225	12	+	NM_001031698	PRPF40B	PRP40 pre-mRNA processing factor 40 homolog B ( <i>S. cerevisiae</i> )
3414751	3414739	49611563	49611598	12	+	NM_014033	LETMD1	LETM1 domain containing 1
3415383	3415368	50988285	50988315	12	+	NM_002284	KRT86	Keratin 86
3415602	3415576	51632343	51632393	12	+	NM_199187	KRT18	Keratin 18
3415936	3415915	51979449	51979482	12	+	NM_145897	SP1	Sp1 transcription factor
3416492	3416483	52962852	52962887	12	+	NM_002136	HNRPA1	Heterogeneous nuclear ribonucleoprotein A1
3417354	3417345	54797817	54797844	12	+	NM_001035267	RPL41	Ribosomal protein L41
3417467	3417457	54839728	54839759	12	+	NM_079423	MYL6	Myosin, light chain 6, alkali, smooth muscle and non-muscle
3417469	3417457	54840111	54840141	12	+	NM_079423	MYL6	Myosin, light chain 6, alkali, smooth muscle and non-muscle
3417471	3417457	54840322	54840371	12	+	NM_079423	MYL6	Myosin, light chain 6, alkali, smooth muscle and non-muscle
3417473	3417457	54840677	54840705	12	+	NM_021019	MYL6	Myosin, light chain 6, alkali, smooth muscle and non-muscle
3417475	3417457	54841440	54841466	12	+	NM_079423	MYL6	Myosin, light chain 6, alkali, smooth muscle and non-muscle
3417476	3417457	54841487	54841567	12	+	NM_079423	MYL6	Myosin, light chain 6, alkali, smooth muscle and non-muscle
3417477	3417457	54841568	54841595	12	+	NM_079423	MYL6	Myosin, light chain 6, alkali, smooth muscle and non-muscle
3419476	3419471	61646005	61646033	12	+	BC009294	RPL14	Ribosomal protein L14
3420155	3420151	63958771	63958803	12	+	NM_198080	MSRB3	Methionine sulfoxide reductase B3

3422328	3422326	70519832	70519857	12	+	NM_022771	TBC1D15	TBC1 domain family, member 15
3427843	3427820	97519284	97519410	12	+	NM_002635	SLC25A3	Solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3
3429539	3429538	103183188	103183214	12	+	BC066319	RPL18A	Ribosomal protein L18a
3429543	3429538	103183664	103183715	12	+	XM_293412	LOC347544	Similar to ribosomal protein L18a
3433810	3433796	117067716	117067760	12	+	NM_002567	PEBP1	Phosphatidylethanolamine binding protein 1
3434409	3434393	119420556	119420581	12	+	NM_001037494	DYNLL1	Dynein, light chain, LC8-type 1
3435694	3435681	122033142	122033173	12	+	NM_018694	ARL6IP4	ADP-ribosylation-like factor 6 interacting protein 4
3435776	3435752	122307866	122308011	12	+	NM_152269	FLJ38663	Hypothetical protein FLJ38663
3439259	3439256	131912554	131912586	12	+	BC007945	RPS11	Ribosomal protein S11
3439260	3439256	131912610	131912684	12	+	BC007945	RPS11	Ribosomal protein S11
3439320	3439305	132135456	132135484	12	+	NM_003428	ZNF84	Zinc finger protein 84
3440118	3440066	1820177	1820236	12	-	NM_172364	CACNA2D4	Calcium channel, voltage-dependent, alpha 2/delta subunit 4
3442247	3442205	6668811	6668837	12	-	NM_001039919	ZNF384	Zinc finger protein 384
3442814	3442812	7857497	7857528	12	-	AL110298	SLC2A3	Solute carrier family 2 (facilitated glucose transporter), member 3
3443956	3443952	9996796	9996935	12	-	NM_207434	FLJ46363	FLJ46363 protein
3444580	3444578	11351339	11351368	12	-	NM_002723	PRB4	Proline-rich protein BstNI subfamily 4
3445160	3445156	13129391	13129428	12	-	NM_153823	GSG1	Germ cell associated 1
3445788	3445786	14986244	14986271	12	-	NM_001175	ARHGDI3	Rho GDP dissociation inhibitor (GDI) beta
3445790	3445786	14986372	14986580	12	-	NM_001175	ARHGDI3	Rho GDP dissociation inhibitor (GDI) beta
3447886	3447863	25295000	25295074	12	-	BC029545	KRAS	V-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
3449959	3449957	31835968	31836041	12	-	NM_001013699	LOC440093	Similar to H3 histone, family 3B
3449960	3449957	31836100	31836216	12	-	NM_001013699	LOC440093	Similar to H3 histone, family 3B
3453739	3453732	47808008	47808033	12	-	NM_006082	TUBA3	Tubulin, alpha 3
3453838	3453837	47864887	47864973	12	-	NM_006009	TUBA3	Tubulin, alpha 3



3453839	3453837	47865008	47865059	12	-	NM_006009	TUBA3	Tubulin, alpha 3
3455230	3455186	51200009	51200055	12	-	NM_000424	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455410	3455388	51110675	51110703	12	-	NM_004693	KRT75	Keratin 75
3455431	3455426	51127590	51127620	12	-	NM_005555	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455438	3455426	51129557	51129631	12	-	NM_005555	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455447	3455426	51131751	51131783	12	-	NM_005555	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455455	3455454	51149155	51149191	12	-	NM_173086	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455456	3455454	51149245	51149311	12	-	NM_173086	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455457	3455454	51149466	51149496	12	-	NM_173086	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455461	3455454	51151265	51151294	12	-	NM_173086	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)

3455464	3455454	51151748	51151776	12	-	NM_173086	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455479	3455478	51167249	51167765	12	-	NM_005554	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455480	3455478	51167771	51167835	12	-	NM_005554	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455481	3455478	51167848	51167873	12	-	NM_005554	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455482	3455478	51167903	51167997	12	-	NM_005554	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455484	3455478	51168120	51168150	12	-	NM_173086	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455492	3455478	51170657	51170731	12	-	NM_173086	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455498	3455478	51171591	51171683	12	-	NM_173086	KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
3455861	3455842	51475735	51475811	12	-	NM_057088	KRT8	Keratin 8
3455866	3455865	51486685	51487031	12	-	NM_002272	KRT8	Keratin 8
3455867	3455865	51487161	51487187	12	-	NM_002272	KRT8	Keratin 8

3455868	3455865	51487194	51487225	12	-	NM_002272	KRT8	Keratin 8
3455869	3455865	51487226	51487272	12	-	NM_002272	KRT8	Keratin 8
3455920	3455914	51519032	51519099	12	-	NM_173352	KRT8	Keratin 8
3455921	3455914	51519165	51519310	12	-	NM_173352	KRT8	Keratin 8
3455922	3455914	51519342	51519422	12	-	NM_173352	KRT8	Keratin 8
3456321	3456313	52345244	52345309	12	-	NM_001002031	ATP5G2	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C2 (subunit 9)
3457163	3457160	54405567	54405597	12	-	NM_001780	CD63	CD63 molecule
3457164	3457160	54405632	54405659	12	-	NM_001780	CD63	CD63 molecule
3457165	3457160	54405864	54405916	12	-	NM_001780	CD63	CD63 molecule
3457167	3457160	54406187	54406226	12	-	NM_001780	CD63	CD63 molecule
3457171	3457160	54406762	54406834	12	-	NM_001780	CD63	CD63 molecule
3458034	3458033	55318282	55318320	12	-	NM_001686	ATP5B	ATP synthase, H+ transporting, mitochondrial F1 complex, beta polypeptide
3458100	3458097	55392837	55392900	12	-	XM_371715	LOC389240	Similar to nascent polypeptide-associated complex alpha polypeptide
3469352	3469319	104117406	104117432	12	-	NM_018171	DIP13B	DIP13 beta
3471292	3471264	109424258	109424294	12	-	NM_016226	VPS29	Vacuolar protein sorting 29 (yeast)
3472090	3472089	111327440	111327563	12	-	CR608788	RPL6	Ribosomal protein L6
3472092	3472089	111328080	111328171	12	-	XM_935384	LOC646483	Similar to 60S ribosomal protein L6 (TAX-responsive enhancer element-binding protein 107) (TAXREB107) (Neoplasm-related protein C140)
3472094	3472089	111328481	111328514	12	-	XM_935384	LOC646483	Similar to 60S ribosomal protein L6 (TAX-responsive enhancer element-binding protein 107) (TAXREB107) (Neoplasm-related protein C140)
3472096	3472089	111328939	111329069	12	-	NM_001024662	RPL6	Ribosomal protein L6
3472101	3472089	111330451	111330514	12	-	XM_935384	LOC646483	Similar to 60S ribosomal protein L6 (TAX-responsive enhancer element-binding protein 107) (TAXREB107) (Neoplasm-related protein C140)

3473240	3473083	115199271	115199319	12	-	NM_015335	THRAP2	Thyroid hormone receptor associated protein 2
3474345	3474344	119118925	119118958	12	-	NM_001002	RPLP0	Ribosomal protein, large, P0
3474350	3474344	119119516	119119645	12	-	NM_001002	RPLP0	Ribosomal protein, large, P0
3474501	3474495	119368559	119368593	12	-	NM_016399	TRIAP1	TP53 regulated inhibitor of apoptosis 1
3475784	3475782	121751859	121752124	12	-	NM_177551	GPR109A	G protein-coupled receptor 109A
3475785	3475782	121752173	121752198	12	-	NM_177551	GPR109A	G protein-coupled receptor 109A
3475799	3475794	121765273	121765429	12	-	NM_006018	GPR109B	G protein-coupled receptor 109B
3475800	3475794	121765558	121765585	12	-	NM_006018	GPR109B	G protein-coupled receptor 109B
3475801	3475794	121765644	121765839	12	-	NM_006018	GPR109B	G protein-coupled receptor 109B
3476494	3476457	123390655	123390699	12	-	NM_006312	NCOR2	Nuclear receptor co-repressor 2
3476742	3476741	123962213	123962246	12	-	NM_021009	UBC	Ubiquitin C
3476743	3476741	123962267	123962301	12	-	NM_021009	UBC	Ubiquitin C
3476745	3476741	123962422	123962451	12	-	NM_021009	UBC	Ubiquitin C
3476746	3476741	123962452	123962549	12	-	NM_021009	UBC	Ubiquitin C
3476750	3476741	123962706	123962732	12	-	NM_021009	UBC	Ubiquitin C
3476751	3476741	123962733	123962777	12	-	NM_021009	UBC	Ubiquitin C
3476754	3476741	123962908	123962988	12	-	NM_021009	UBC	Ubiquitin C
3476758	3476741	123963239	123963311	12	-	NM_021009	UBC	Ubiquitin C
3476764	3476741	123963768	123963819	12	-	NM_021009	UBC	Ubiquitin C
3476771	3476741	123964181	123964211	12	-	NM_021009	UBC	Ubiquitin C
3477963	3477917	127874442	127874494	12	-	NM_145648	SLC15A4	Solute carrier family 15, member 4
3480171	3480129	19523605	19523638	13	+	NM_003453	ZMYM2	Zinc finger, MYM-type 2
3482132	3482112	24570093	24570232	13	+	NM_030979	PABPC3	Poly(A) binding protein, cytoplasmic 3
3482589	3482572	26029850	26029883	13	+	NM_006646	WASF3	WAS protein family, member 3
3482837	3482819	26728350	26728418	13	+	XM_929340	LOC653737	Similar to ribosomal protein L21
3482839	3482819	26728601	26728657	13	+	XM_929340	LOC653737	Similar to ribosomal protein L21
3483371	3483348	28150246	28150319	13	+	AF077200	POMP	Proteasome maturation protein
3488256	3488253	44937173	44937217	13	+	NM_031431	COG3	Component of oligomeric golgi complex 3
3489009	3488985	47733293	47733330	13	+	NM_021999	ITM2B	Integral membrane protein 2B
3489011	3488985	47733462	47733491	13	+	NM_021999	ITM2B	Integral membrane protein 2B
3489012	3488985	47733533	47734038	13	+	NM_021999	ITM2B	Integral membrane protein 2B

3497671	3497659	96884759	96884788	13	+	NM_021033	RAP2A	RAP2A, member of RAS oncogene family
3501443	3501415	110087477	110087510	13	+	NM_018210	FLJ10769	Hypothetical protein FLJ10769
3502384	3502259	112798731	112798773	13	+	AB002360	MCF2L	MCF.2 cell line derived transforming sequence-like
3504029	3503976	19254898	19254931	13	-	NM_018282	PSPC1	Paraspeckle component 1
3505521	3505449	23361422	23361458	13	-	NM_005932	MIPEP	Mitochondrial intermediate peptidase
3512544	3512527	44809071	44809107	13	-	BC022436	TPT1	Tumor protein, translationally-controlled 1
3512545	3512527	44809206	44809251	13	-	BC022436	TPT1	Tumor protein, translationally-controlled 1
3512546	3512527	44809327	44809360	13	-	NM_003295	TPT1	Tumor protein, translationally-controlled 1
3512547	3512527	44809423	44809515	13	-	NM_003295	TPT1	Tumor protein, translationally-controlled 1
3512554	3512527	44810835	44810905	13	-	NM_003295	TPT1	Tumor protein, translationally-controlled 1
3512556	3512527	44811660	44811730	13	-	NM_003295	TPT1	Tumor protein, translationally-controlled 1
3512558	3512527	44812173	44812249	13	-	NM_003295	TPT1	Tumor protein, translationally-controlled 1
3512876	3512874	45598184	45598413	13	-	NM_002298	LCP1	Lymphocyte cytosolic protein 1 (L-plastin)
3513975	3513953	49408373	49408401	13	-	NM_020456	C13orf1	Chromosome 13 open reading frame 1
3513976	3513953	49408404	49408434	13	-	NM_020456	C13orf1	Chromosome 13 open reading frame 1
3518493	3518455	76499042	76499080	13	-	NM_012158	FBXL3	F-box and leucine-rich repeat protein 3
3522228	3522225	97902516	97902975	13	-	NM_003576	STK24	Serine/threonine kinase 24 (STE20 homolog, yeast)
3527501	3527493	19993667	19993702	14	+	NM_001641	APEX1	APEX nuclease (multifunctional DNA repair enzyme) 1
3529099	3529082	22864299	22864334	14	+	NM_004643	PABPN1	Poly(A) binding protein, nuclear 1
3529640	3529609	23677527	23677605	14	+	NM_006263	PSME1	Proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)
3542240	3542207	69308063	69308099	14	+	NM_001039465	SFRS5	Splicing factor, arginine/serine-rich 5

3544538	3544525	74818447	74818660	14	+	NM_005252	FOS	V-fos FBJ murine osteosarcoma viral oncogene homolog
3549767	3549757	94150558	94150585	14	+	NM_001085	SERPINA3	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3
3555738	3555736	20554817	20554882	14	-	NM_201535	NDRG2	NDRG family member 2
3555739	3555736	20554923	20554980	14	-	NM_201535	NDRG2	NDRG family member 2
3557681	3557666	23116447	23116484	14	-	NM_032452	JPH4	Junctophilin 4
3558759	3558745	25987373	25987409	14	-	NM_006489	NOVA1	Neuro-oncological ventral antigen 1
3561040	3561039	34940598	34940847	14	-	NM_020529	NFKBIA	Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
3561041	3561039	34940970	34941017	14	-	NM_020529	NFKBIA	Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
3561043	3561039	34941351	34941484	14	-	NM_020529	NFKBIA	Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
3561044	3561039	34941509	34941595	14	-	NM_020529	NFKBIA	Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
3561155	3561110	35198102	35198142	14	-	NM_194301	GARNL1	GTPase activating Rap/RanGAP domain-like 1
3562736	3562721	44673428	44673469	14	-	NM_002013	FKBP3	FK506 binding protein 3, 25kDa
3563321	3563317	49120095	49120133	14	-	NM_001032	RPS29	Ribosomal protein S29
3563328	3563317	49122422	49122454	14	-	NM_001032	RPS29	Ribosomal protein S29
3563329	3563317	49122480	49122517	14	-	NM_001032	RPS29	Ribosomal protein S29
3563331	3563317	49122757	49122799	14	-	NM_001032	RPS29	Ribosomal protein S29
3563359	3563357	49155253	49155303	14	-	NM_001001	RPL36AL	Ribosomal protein L36a-like
3567412	3567391	60260264	60260314	14	-	NM_017420	SIX4	Sine oculis homeobox homolog 4 (Drosophila)
3569756	3569754	68324226	68324508	14	-	NM_004926	ZFP36L1	Zinc finger protein 36, C3H type-like 1
3569758	3569754	68324985	68325263	14	-	NM_004926	ZFP36L1	Zinc finger protein 36, C3H type-like 1
3570294	3570293	69421776	69421806	14	-	NM_000972	RPL7A	Ribosomal protein L7a
3570295	3570293	69421840	69421883	14	-	NM_000972	RPL7A	Ribosomal protein L7a

3570643	3570599	70345390	70345454	14	-	NM_033141	MAP3K9	Mitogen-activated protein kinase kinase kinase 9
3571752	3571727	73620824	73620850	14	-	NM_005589	ALDH6A1	Aldehyde dehydrogenase 6 family, member A1
3573048	3573029	76913060	76913085	14	-	NM_213601	TMED8	Transmembrane emp24 protein transport domain containing 8
3576939	3576937	91652259	91652287	14	-	BC104672	NDUFB1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa
3577630	3577612	93914683	93914729	14	-	NM_001002235	SERPINA1	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1
3579274	3579269	99048078	99048107	14	-	AK026211	C14orf65	Chromosome 14 open reading frame 65
3580954	3580947	103448662	103448740	14	-	NM_004894	C14orf2	Chromosome 14 open reading frame 2
3580955	3580947	103448756	103448784	14	-	NM_004894	C14orf2	Chromosome 14 open reading frame 2
3585274	3585272	24799455	24799481	15	+	NM_033223	GABRG3	Gamma-aminobutyric acid (GABA) A receptor, gamma 3
3590178	3590164	38933392	38933418	15	+	NM_181642	SPINT1	Serine peptidase inhibitor, Kunitz type 1
3592043	3592023	42797103	42797167	15	+	NM_004048	B2M	Beta-2-microglobulin
3592045	3592023	42797301	42797329	15	+	NM_004048	B2M	Beta-2-microglobulin
3592046	3592023	42797368	42797432	15	+	NM_004048	B2M	Beta-2-microglobulin
3592047	3592023	42797441	42797598	15	+	NM_004048	B2M	Beta-2-microglobulin
3592406	3592401	43510495	43510559	15	+	NM_032413	C15orf48	Chromosome 15 open reading frame 48
3592407	3592401	43511588	43511622	15	+	NM_032413	C15orf48	Chromosome 15 open reading frame 48
3592409	3592401	43512557	43512646	15	+	NM_032413	C15orf48	Chromosome 15 open reading frame 48
3594049	3594031	49862210	49862310	15	+	NM_014548	TMOD2	Tropomodulin 2 (neuronal)
3599440	3599432	66357766	66357794	15	+	NM_015322	FEM1B	Fem-1 homolog b (C. elegans)
3601356	3601348	72006871	72006902	15	+	NM_005576	LOXL1	Lysyl oxidase-like 1
3609189	3609138	91273264	91273325	15	+	NM_001271	CHD2	Chromodomain helicase DNA binding protein 2
3620859	3620799	41000227	41000256	15	-	BC041876	TTBK2	Tau tubulin kinase 2

3627284	3627248	58426837	58426865	15	-	NM_001002857	ANXA2	Annexin A2
3627285	3627248	58426866	58426896	15	-	NM_001002857	ANXA2	Annexin A2
3627286	3627248	58426942	58427019	15	-	NM_001002857	ANXA2	Annexin A2
3627287	3627248	58427027	58427061	15	-	NM_001002857	ANXA2	Annexin A2
3629207	3629206	62766857	62766890	15	-	NM_002537	OAZ2	Ornithine decarboxylase antizyme 2
3630184	3630180	64578800	64578859	15	-	NM_000968	RPL4	Ribosomal protein L4
3630185	3630180	64578970	64579042	15	-	NM_000968	RPL4	Ribosomal protein L4
3630916	3630912	66859335	66859360	15	-	NM_006305	ANP32A	Acidic (leucine-rich) nuclear phosphoprotein 32 family, member A
3633223	3633221	72999754	72999813	15	-	NM_004255	COX5A	Cytochrome c oxidase subunit Va
3633870	3633794	74390746	74390784	15	-	NM_000126	ETFA	Electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)
3635161	3635159	77978336	77978500	15	-	AF249277	MTHFS	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)
3635199	3635198	78040379	78040457	15	-	BC016281	BCL2A1	BCL2-related protein A1
3635200	3635198	78040465	78040549	15	-	BC016281	BCL2A1	BCL2-related protein A1
3635867	3635866	80451512	80451540	15	-	NM_000661	RPL9	Ribosomal protein L9
3635868	3635866	80451569	80451634	15	-	NM_000661	RPL9	Ribosomal protein L9
3635869	3635866	80451683	80451754	15	-	NM_000661	RPL9	Ribosomal protein L9
3636093	3636092	80838053	80838081	15	-	NM_000661	RPL9	Ribosomal protein L9
3637008	3637006	83014044	83014224	15	-	NM_014300	SEC11A	SEC11 homolog A ( <i>S. cerevisiae</i> )
3638432	3638411	87815685	87815924	15	-	NM_016321	RHCG	Rh family, C glycoprotein
3638442	3638411	87821384	87821414	15	-	NM_016321	RHCG	Rh family, C glycoprotein
3639446	3639406	90999700	90999725	15	-	NM_207446	LOC400451	Hypothetical gene supported by AK075564; BC060873
3642609	3642604	68232	68284	16	+	NM_001015052	MPG	N-methylpurine-DNA glycosylase
3643248	3643229	660933	660996	16	+	NM_138769	RHOT2	Ras homolog gene family, member T2
3644923	3644887	2509812	2510095	16	+	NM_001694	ATP6V0C	ATPase, H <sup>+</sup> transporting, lysosomal 16kDa, V0 subunit c
3645323	3645322	2788521	2788550	16	+	XR_017806		PREDICTED: Homo sapiens testis serine protease 1 (TESSP1), misc RNA.
3645367	3645359	2821909	2822156	16	+	NM_145252	LOC124220	Similar to common salivary protein 1



3645368	3645359	2822216	2822257	16	+	NM_145252	LOC124220	Similar to common salivary protein 1
3645480	3645477	2959704	2959744	16	+	NM_152341	KREMEN2	Kringle containing transmembrane protein 2
3655631	3655628	29709621	29709651	16	+	NM_007317	KIF22	Kinesin family member 22
3655956	3655920	29989160	29989185	16	+	NM_184041	ALDOA	Aldolase A, fructose-bisphosphate
3656856	3656855	31036504	31036570	16	+	NM_032188	MYST1	MYST histone acetyltransferase 1
3656944	3656904	31110221	31110250	16	+	NM_001010850	FUS	Fusion (involved in t(12;16) in malignant liposarcoma)
3656945	3656904	31110294	31110389	16	+	NM_001010850	FUS	Fusion (involved in t(12;16) in malignant liposarcoma)
3659998	3659966	48886053	48886091	16	+	NM_001114	ADCY7	Adenylate cyclase 7
3663044	3663033	56576908	56576935	16	+	NM_199046	TEPP	Testis/prostate/placenta-expressed protein, isoform 2
3664698	3664664	64994065	64994095	16	+	NM_001795	CDH5	Cadherin 5, type 2, VE-cadherin (vascular epithelium)
3665163	3665161	65701454	65701488	16	+	NM_025187	C16orf70	Chromosome 16 open reading frame 70
3665884	3665882	66464593	66464645	16	+	NM_014329	EDC4	Enhancer of mRNA decapping 4
3669073	3669059	74168779	74169215	16	+	NM_007285	GABARAPL2	GABA(A) receptor-associated protein-like 2
3671768	3671727	83037498	83037535	16	+	NM_014861	ATP2C2	ATPase, Ca <sup>++</sup> transporting, type 2C, member 2
3672405	3672368	84252821	84252867	16	+	NM_014615	KIAA0182	KIAA0182
3674162	3674146	88156915	88156946	16	+	NM_033251	RPL13	Ribosomal protein L13
3674193	3674166	88594557	88594597	16	+	AK091727	AFG3L1	AFG3 ATPase family gene 3-like 1 (S. cerevisiae)
3674847	3674840	43587	43619	16	-	NM_016310	POLR3K	Polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa
3676302	3676300	1952112	1952141	16	-	AB065088	RPS2	Ribosomal protein S2
3676303	3676300	1952163	1952193	16	-	AB065088	RPS2	Ribosomal protein S2
3676304	3676300	1952232	1952267	16	-	AB065088	RPS2	Ribosomal protein S2
3676308	3676300	1952500	1952529	16	-	AB065089	RPS2	Ribosomal protein S2
3676309	3676300	1952567	1952598	16	-	AB065089	RPS2	Ribosomal protein S2

3678390	3678369	4792529	4792561	16	-	NM_024589	ROGDI	Rogdi homolog (Drosophila)
3678465	3678462	4872599	4873299	16	-	NM_002705	PPL	Periplakin
3683022	3683018	18701863	18701896	16	-	NM_001030009	RPS15A	Ribosomal protein S15a
3683028	3683018	18703596	18703626	16	-	NM_001030009	RPS15A	Ribosomal protein S15a
3684491	3684486	21561909	21561972	16	-	NM_005849	IGSF6	Immunoglobulin superfamily, member 6
3684493	3684486	21563112	21563202	16	-	NM_005849	IGSF6	Immunoglobulin superfamily, member 6
3687262	3687260	29777198	29777227	16	-	AK131227	CDIPT	CDP-diacylglycerol--inositol 3-phosphatidyltransferase (phosphatidylinositol synthase)
3687453	3687452	30011158	30011249	16	-	CR604822	YPEL3	Yippee-like 3 (Drosophila)
3687454	3687452	30011302	30011336	16	-	CR604822	YPEL3	Yippee-like 3 (Drosophila)
3687801	3687789	30348767	30348800	16	-	NM_024096	XTP3TPA	XTP3-transactivated protein A
3706528	3706439	2855413	2855443	17	+	NM_015085	GARNL4	GTPase activating Rap/RanGAP domain-like 4
3708196	3708186	6858369	6858559	17	+	NM_001004333	MGC71993	Similar to DNA segment, Chr 11, Brigham & Womens Genetics 0434 expressed
3708309	3708306	7064037	7064089	17	+	NM_000018	ACADVL	Acyl-Coenzyme A dehydrogenase, very long chain
3709263	3709244	7737431	7737458	17	+	NM_001005273	CHD3	Chromodomain helicase DNA binding protein 3
3709562	3709540	8108255	8108320	17	+	NM_012393	PFAS	Phosphoribosylformylglycinamide synthase (FGAR amidotransferase)
3712046	3712041	16225176	16225209	17	+	NM_018955	UBB	Ubiquitin B
3712050	3712041	16225966	16225994	17	+	BC031027	UBB	Ubiquitin B
3712051	3712041	16226006	16226061	17	+	BC031027	UBB	Ubiquitin B
3712052	3712041	16226103	16226450	17	+	BC031027	UBB	Ubiquitin B
3712054	3712041	16226637	16226664	17	+	BC031027	UBB	Ubiquitin B
3712055	3712041	16226727	16226754	17	+	BC031027	UBB	Ubiquitin B
3715612	3715601	23818987	23819405	17	+	XR_015607		PREDICTED: Homo sapiens similar to 40S ribosomal protein S7 (S8) (LOC730887), mRNA.
3715797	3715779	24074755	24074784	17	+	NM_000984	RPL23A	Ribosomal protein L23a

3715948	3715935	24394341	24394368	17	+	NM_016518	PIPOX	Pipecolic acid oxidase
3718829	3718791	31195790	31195856	17	+	NM_003487	TAF15	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa
3718986	3718977	31564095	31564337	17	+	NM_002984	CCL4	Chemokine (C-C motif) ligand 4
3719031	3719020	31665661	31665903	17	+	NM_207007	CCL4L2	Chemokine (C-C motif) ligand 4-like 2
3720125	3720115	34612773	34612888	17	+	NM_000981	RPL19	Ribosomal protein L19
3720128	3720115	34613882	34613966	17	+	NM_000981	RPL19	Ribosomal protein L19
3720130	3720115	34614312	34614359	17	+	NM_000981	RPL19	Ribosomal protein L19
3720131	3720115	34614360	34614388	17	+	NM_000981	RPL19	Ribosomal protein L19
3720132	3720115	34614389	34614417	17	+	NM_000981	RPL19	Ribosomal protein L19
3720133	3720115	34614455	34614489	17	+	NM_000981	RPL19	Ribosomal protein L19
3720639	3720636	35390870	35390905	17	+	NM_002809	PSMD3	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 3
3721407	3721400	37098817	37098847	17	+	NM_005801	EIF1	Eukaryotic translation initiation factor 1
3721410	3721400	37099568	37099593	17	+	NM_005801	EIF1	Eukaryotic translation initiation factor 1
3721412	3721400	37099872	37099954	17	+	NM_005801	EIF1	Eukaryotic translation initiation factor 1
3721414	3721400	37100560	37100599	17	+	NM_005801	EIF1	Eukaryotic translation initiation factor 1
3721415	3721400	37100643	37100727	17	+	NM_005801	EIF1	Eukaryotic translation initiation factor 1
3722157	3722152	38238952	38238979	17	+	NM_005789	PSME3	Proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki)
3722318	3722304	38408415	38408441	17	+	NM_000988	RPL27	Ribosomal protein L27
3726974	3726960	46603907	46603946	17	+	NM_002512	NME1	Non-metastatic cells 1, protein (NM23A) expressed in
3728956	3728889	55271922	55272040	17	+	NM_030938	TMEM49	Transmembrane protein 49
3730680	3730601	58941185	58941275	17	+	NM_152831	ACE	Angiotensin I converting enzyme (peptidyl-dipeptidase A) 1
3732889	3732885	64020285	64020314	17	+	NM_212472	PRKAR1A	Protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)

3734226	3734187	69711892	69711924	17	+	NM_000999	RPL38	Ribosomal protein L38
3734232	3734187	69716950	69716975	17	+	NM_000999	RPL38	Ribosomal protein L38
3734234	3734187	69717566	69717596	17	+	NM_000999	RPL38	Ribosomal protein L38
3735455	3735447	71778852	71778884	17	+	NM_182565	FAM100B	Family with sequence similarity 100, member B
3735456	3735447	71778895	71778943	17	+	NM_182565	FAM100B	Family with sequence similarity 100, member B
3735817	3735752	72719646	72719786	17	+	NM_003003	SEC14L1	SEC14-like 1 ( <i>S. cerevisiae</i> )
3738496	3738490	77603430	77603457	17	+	NM_212492	GPS1	G protein pathway suppressor 1
3747769	3747768	17227466	17227565	17	-	XM_371023	LOC388344	Similar to ribosomal protein L13
3748826	3748825	19289890	19289920	17	-	NM_002952	RPS2	Ribosomal protein S2
3748828	3748825	19290048	19290078	17	-	NM_002952	RPS2	Ribosomal protein S2
3748829	3748825	19290084	19290114	17	-	NM_002952	RPS2	Ribosomal protein S2
3750381	3750369	23111284	23111313	17	-	NM_153292	NOS2A	Nitric oxide synthase 2A (inducible, hepatocytes)
3751125	3751121	24230524	24230575	17	-	NM_004475	FLOT2	Flotillin 2
3754010	3754009	31439723	31439773	17	-	NM_002983	CCL3	Chemokine (C-C motif) ligand 3
3755432	3755429	34259920	34259950	17	-	NM_000978	RPL23	Ribosomal protein L23
3755434	3755429	34260141	34260166	17	-	NM_000978	RPL23	Ribosomal protein L23
3756528	3756523	36228713	36228740	17	-	NM_000421	KRT10	Keratin 10 (epidermolytic hyperkeratosis; keratosis palmaris et plantaris)
3756538	3756523	36231923	36232005	17	-	NM_000421	KRT10	Keratin 10 (epidermolytic hyperkeratosis; keratosis palmaris et plantaris)
3757052	3757050	36910827	36910879	17	-	NM_002274	KRT17	Keratin 17
3757053	3757050	36910993	36911033	17	-	NM_002274	KRT17	Keratin 17
3757054	3757050	36911034	36911116	17	-	NM_002274	KRT17	Keratin 17
3757056	3757050	36911497	36911522	17	-	NM_153490	KRT17	Keratin 17
3757060	3757050	36912238	36912281	17	-	NM_002274	KRT17	Keratin 17
3757061	3757050	36912315	36912344	17	-	NM_002274	KRT17	Keratin 17
3757062	3757050	36912345	36912372	17	-	NM_002274	KRT17	Keratin 17
3757063	3757050	36912493	36912577	17	-	NM_002274	KRT17	Keratin 17
3757065	3757050	36912715	36912871	17	-	NM_002274	KRT17	Keratin 17

3757067	3757050	36913077	36913154	17	-	NM_002274	KRT17	Keratin 17
3757068	3757050	36913194	36913221	17	-	NM_002274	KRT17	Keratin 17
3757070	3757050	36913463	36913503	17	-	NM_002274	KRT17	Keratin 17
3757072	3757050	36914838	36914926	17	-	NM_002274	KRT17	Keratin 17
3757073	3757050	36915034	36915065	17	-	NM_002274	KRT17	Keratin 17
3757074	3757050	36915108	36915141	17	-	NM_002274	KRT17	Keratin 17
3757075	3757050	36915169	36915222	17	-	NM_002274	KRT17	Keratin 17
3757109	3757108	36933466	36933501	17	-	NM_002276	KRT17	Keratin 17
3757141	3757138	36977075	36977145	17	-	NM_000226	KRT17	Keratin 17
3757172	3757154	36996280	36996361	17	-	NM_000526	KRT17	Keratin 17
3757429	3757423	37275093	37275149	17	-	NM_018143	KLHL11	Kelch-like 11 (Drosophila)
3760925	3760894	43248716	43248744	17	-	AB208886	OSBPL7	Oxysterol binding protein-like 7
3761446	3761441	44047067	44047095	17	-	NM_024016	HOXB8	Homeobox B8
3761947	3761905	45110313	45110340	17	-	NM_001007229	SPOP	Speckle-type POZ protein
3762371	3762355	45829768	45829843	17	-	NM_018509	LRRC59	Leucine rich repeat containing 59
3764388	3764384	53778303	53778335	17	-	NM_003168	SUPT4H1	Suppressor of Ty 4 homolog 1 (S. cerevisiae)
3765771	3765689	57497377	57497411	17	-	NM_005121	THRAP1	Thyroid hormone receptor associated protein 1
3768137	3768103	62793098	62793127	17	-	NM_002816	PSMD12	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 12
3770565	3770563	70546623	70546720	17	-	NM_006356	ATP5H	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d
3770566	3770563	70546899	70546960	17	-	NM_006356	ATP5H	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d
3770948	3770944	71285365	71285482	17	-	NM_005324	H3F3B	H3 histone, family 3B (H3.3B)
3770950	3770944	71285885	71285924	17	-	NM_001013699	LOC440093	Similar to H3 histone, family 3B
3770951	3770944	71286035	71286061	17	-	NM_001013699	LOC440093	Similar to H3 histone, family 3B
3770952	3770944	71286279	71286352	17	-	NM_001013699	LOC440093	Similar to H3 histone, family 3B
3770954	3770944	71286497	71286549	17	-	NM_001013699	LOC440093	Similar to H3 histone, family 3B

3770955	3770944	71286595	71286632	17	-	NM_001013699	LOC440093	Similar to H3 histone, family 3B
3771039	3771037	71353438	71353562	17	-	NM_012478	WBP2	WW domain binding protein 2
3773153	3773149	75383669	75383698	17	-	NM_020649	CBX8	Chromobox homolog 8 (Pc class homolog, Drosophila)
3773935	3773932	77091866	77091896	17	-	NM_001614	ACTG1	Actin, gamma 1
3773940	3773932	77092596	77092721	17	-	NM_001614	ACTG1	Actin, gamma 1
3773949	3773932	77093737	77093763	17	-	NM_001614	ACTG1	Actin, gamma 1
3774243	3774241	77394346	77394374	17	-	NM_000918	P4HB	Procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide
3774853	3774823	77806695	77806723	17	-	NM_139062	CSNK1D	Casein kinase 1, delta
3775233	3775211	78215665	78215691	17	-	NM_006822	RAB40B	RAB40B, member RAS oncogene family
3776460	3776449	3267890	3267933	18	+	NM_033546	MRLC2	Myosin regulatory light chain MRLC2
3776462	3776449	3268079	3268106	18	+	NM_033546	MRLC2	Myosin regulatory light chain MRLC2
3778234	3778207	9114889	9114969	18	+	NM_021074	NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa
3784675	3784670	31806768	31806801	18	+	BC025950	C18orf21	Chromosome 18 open reading frame 21
3788145	3788097	46509752	46509777	18	+	NM_002747	MAPK4	Mitogen-activated protein kinase 4
3794352	3794341	72337495	72337535	18	+	AK126293		Homo sapiens cDNA FLJ44313 fis, clone TRACH2025911.
3795728	3795680	257974	258019	18	-	NM_005131	THOC1	THO complex 1
3797452	3797450	6452163	6452201	18	-	NM_000970	RPL6	Ribosomal protein L6
3797453	3797450	6452212	6452250	18	-	NM_000970	RPL6	Ribosomal protein L6
3797456	3797450	6452484	6452514	18	-	NM_000970	RPL6	Ribosomal protein L6
3797458	3797450	6452609	6452651	18	-	NM_000970	RPL6	Ribosomal protein L6
3800866	3800834	17517879	17517905	18	-	NM_138340	ABHD3	Abhydrolase domain containing 3
3806255	3806253	41918141	41918237	18	-	NM_001001937	ATP5A1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle
3806256	3806253	41918255	41918312	18	-	NM_001001937	ATP5A1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle

3806259	3806253	41918575	41918618	18	-	NM_001001937	ATP5A1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle
3806261	3806253	41920104	41920134	18	-	NM_001001937	ATP5A1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle
3807490	3807487	45269837	45269872	18	-	NM_000985	RPL17	Ribosomal protein L17
3808602	3808600	49935247	49935281	18	-	NM_003927	MBD2	Methyl-CpG binding domain protein 2
3815415	3815399	989951	990056	19	+	NM_004368	WDR18	WD repeat domain 18
3815662	3815649	1222596	1222627	19	+	NM_001280	CIRBP	Cold inducible RNA binding protein
3815664	3815649	1222990	1223050	19	+	NM_001280	CIRBP	Cold inducible RNA binding protein
3815669	3815649	1224068	1224101	19	+	NM_001280	CIRBP	Cold inducible RNA binding protein
3815718	3815710	1246544	1246589	19	+	NM_001405	EFNA2	Ephrin-A2
3816399	3816380	2224058	2224092	19	+	NM_004152	OAZ1	Ornithine decarboxylase antizyme 1
3816400	3816380	2224161	2224214	19	+	NM_004152	OAZ1	Ornithine decarboxylase antizyme 1
3816403	3816380	2224445	2224479	19	+	NM_004152	OAZ1	Ornithine decarboxylase antizyme 1
3816517	3816509	2428052	2428161	19	+	NM_015675	GADD45B	Growth arrest and DNA-damage-inducible, beta
3816519	3816509	2428491	2428561	19	+	NM_015675	GADD45B	Growth arrest and DNA-damage-inducible, beta
3816525	3816509	2429030	2429182	19	+	NM_015675	GADD45B	Growth arrest and DNA-damage-inducible, beta
3817258	3817256	3958759	3958785	19	+	AK022481	PIAS4	Protein inhibitor of activated STAT, 4
3817455	3817437	4273984	4274019	19	+	NM_024333	FSD1	Fibronectin type III and SPRY domain containing 1
3817563	3817546	4445182	4445215	19	+	NM_001001520	HDGF2	Hepatoma-derived growth factor-related protein 2
3818083	3818076	5642347	5642456	19	+	NM_015414	RPL36	Ribosomal protein L36
3818085	3818076	5642551	5642614	19	+	NM_015414	RPL36	Ribosomal protein L36
3819546	3819543	8415883	8415984	19	+	NM_005968	HNRPM	Heterogeneous nuclear ribonucleoprotein M
3820175	3820161	9801642	9801674	19	+	CR590001	UBL5	Ubiquitin-like 5
3820491	3820469	10268161	10268186	19	+	NM_003259	ICAM5	Intercellular adhesion molecule 5, telencephalin
3821896	3821893	12763599	12764024	19	+	NM_002229	JUNB	Jun B proto-oncogene

3821899	3821893	12764733	12765034	19	+	NM_002229	JUNB	Jun B proto-oncogene
3821916	3821908	12778449	12778486	19	+	NM_006397	RNASEH2A	Ribonuclease H2, subunit A
3822223	3822216	13125947	13126385	19	+	NM_004907	IER2	Immediate early response 2
3823539	3823511	16065515	16065540	19	+	Z36778	TPM4	Tropomyosin 4
3823543	3823511	16073088	16073125	19	+	NM_003290	TPM4	Tropomyosin 4
3824213	3824212	17281379	17281410	19	+	ENST00000359866		similar to CG31855-PA (LOC401770), mRNA gene:ENSG00000130311
3824387	3824366	17833920	17834020	19	+	X80822	RPL18A	Ribosomal protein L18a
3824393	3824366	17834989	17835040	19	+	NM_000980	RPL18A	Ribosomal protein L18a
3824887	3824874	18149798	18149843	19	+	NM_006332	IFI30	Interferon, gamma-inducible protein 30
3825214	3825201	18546688	18546751	19	+	NM_003333	UBA52	Ubiquitin A-52 residue ribosomal protein fusion product 1
3825216	3825201	18546877	18546905	19	+	NM_003333	UBA52	Ubiquitin A-52 residue ribosomal protein fusion product 1
3825217	3825201	18546913	18546951	19	+	NM_003333	UBA52	Ubiquitin A-52 residue ribosomal protein fusion product 1
3825218	3825201	18546962	18547036	19	+	NM_003333	UBA52	Ubiquitin A-52 residue ribosomal protein fusion product 1
3827231	3827218	23802085	23802127	19	+	NM_001012321	RPSA	Ribosomal protein SA
3827234	3827218	23802335	23802394	19	+	NM_001012321	RPSA	Ribosomal protein SA
3827235	3827218	23802453	23802609	19	+	NM_001012321	RPSA	Ribosomal protein SA
3827236	3827218	23802692	23802720	19	+	NM_001012321	RPSA	Ribosomal protein SA
3830652	3830649	40831071	40831143	19	+	NM_001863	COX6B1	Cytochrome c oxidase subunit Vib polypeptide 1 (ubiquitous)
3830656	3830649	40837331	40837360	19	+	NM_001863	COX6B1	Cytochrome c oxidase subunit Vib polypeptide 1 (ubiquitous)
3831515	3831514	41870400	41870428	19	+	BX640706	ZNF567	Zinc finger protein 567
3832438	3832435	43585634	43585688	19	+	NM_174905	FAM98C	Family with sequence similarity 98, member C
3832641	3832616	43819369	43819395	19	+	NM_013234	EIF3S12	Eukaryotic translation initiation factor 3, subunit 12
3832644	3832643	43830180	43830212	19	+	NM_004924	ACTN4	Actinin, alpha 4



3832987	3832978	44590500	44591099	19	+	NM_003407	ZFP36	Zinc finger protein 36, C3H type, homolog (mouse)
3832988	3832978	44591189	44591746	19	+	NM_003407	ZFP36	Zinc finger protein 36, C3H type, homolog (mouse)
3833049	3833040	44635836	44635866	19	+	NM_003169	SUPT5H	Suppressor of Ty 5 homolog (S. cerevisiae)
3834197	3834176	46581535	46581575	19	+	AK130820	BCKDHA	Branched chain keto acid dehydrogenase E1, alpha polypeptide
3834473	3834465	47056695	47056730	19	+	NM_001022	RPS19	Ribosomal protein S19
3834474	3834465	47057040	47057071	19	+	NM_001022	RPS19	Ribosomal protein S19
3834475	3834465	47057077	47057117	19	+	NM_001022	RPS19	Ribosomal protein S19
3834488	3834465	47064954	47064989	19	+	NM_001022	RPS19	Ribosomal protein S19
3834492	3834465	47065609	47065663	19	+	NM_001022	RPS19	Ribosomal protein S19
3834496	3834465	47067259	47067285	19	+	NM_001022	RPS19	Ribosomal protein S19
3835919	3835911	50140469	50140534	19	+	NM_001646	TOMM40	Translocase of outer mitochondrial membrane 40 homolog (yeast)
3836335	3836317	50717597	50717631	19	+	NM_003370	VASP	Vasodilator-stimulated phosphoprotein
3836861	3836841	51804311	51804368	19	+	NM_005184	CALM3	Calmodulin 3 (phosphorylase kinase, delta)
3837142	3837132	52326028	52326062	19	+	NM_005500	SAE1	SUMO1 activating enzyme subunit 1
3837483	3837464	52950499	52950532	19	+	NM_015710	GLTSCR2	Glioma tumor suppressor candidate region gene 2
3838097	3838094	54160595	54160654	19	+	NM_000146	FTL	Ferritin, light polypeptide
3838099	3838094	54160841	54160978	19	+	NM_000146	FTL	Ferritin, light polypeptide
3838102	3838094	54161372	54161409	19	+	NM_000146	FTL	Ferritin, light polypeptide
3838104	3838094	54161682	54161745	19	+	NM_000146	FTL	Ferritin, light polypeptide
3838106	3838094	54161813	54161849	19	+	NM_000146	FTL	Ferritin, light polypeptide
3838107	3838094	54161851	54161879	19	+	NM_000146	FTL	Ferritin, light polypeptide
3838108	3838094	54161880	54161907	19	+	NM_000146	FTL	Ferritin, light polypeptide
3838599	3838575	54686500	54686533	19	+	NM_012423	RPL13A	Ribosomal protein L13a
3838600	3838575	54686580	54686616	19	+	NM_012423	RPL13A	Ribosomal protein L13a
3838602	3838575	54686800	54686832	19	+	NM_012423	RPL13A	Ribosomal protein L13a
3838609	3838605	54692352	54692394	19	+	NM_001015	RPS11	Ribosomal protein S11
3838612	3838605	54692589	54692661	19	+	NM_001015	RPS11	Ribosomal protein S11

3838615	3838605	54693013	54693090	19	+	NM_001015	RPS11	Ribosomal protein S11
3838619	3838605	54694581	54694684	19	+	NM_001015	RPS11	Ribosomal protein S11
3838656	3838624	54721162	54721188	19	+	NM_004107	FCGRT	Fc fragment of IgG, receptor, transporter, alpha
3839306	3839305	55579408	55579454	19	+	NM_002691	POLD1	Polymerase (DNA directed), delta 1, catalytic subunit 125kDa
3841345	3841332	59402035	59402064	19	+	BC058892	RPS9	Ribosomal protein S9
3841351	3841332	59403123	59403199	19	+	BC058892	RPS9	Ribosomal protein S9
3841352	3841332	59403263	59403294	19	+	BC058892	RPS9	Ribosomal protein S9
3842106	3842105	60543078	60543127	19	+	NM_032701	SUV420H2	Suppressor of variegation 4-20 homolog 2 (Drosophila)
3843158	3843156	62483987	62484016	19	+	NM_006635	ZNF460	Zinc finger protein 460
3844027	3844015	63597709	63597774	19	+	NM_001009	RPS5	Ribosomal protein S5
3846012	3846011	2705726	2705755	19	-	NM_003021	SGTA	Small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha
3846103	3846076	2970298	2970447	19	-	NM_003260	TLE2	Transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila)
3846775	3846742	4351321	4351365	19	-	NM_003025	SH3GL1	SH3-domain GRB2-like 1
3846808	3846783	4408758	4408788	19	-	NM_025241	UBXD1	UBX domain containing 1
3847006	3847005	4789372	4789419	19	-	NM_005817	M6PRBP1	Mannose-6-phosphate receptor binding protein 1
3847007	3847005	4789425	4789478	19	-	NM_005817	M6PRBP1	Mannose-6-phosphate receptor binding protein 1
3847543	3847538	5868633	5868663	19	-	NM_003624	RANBP3	RAN binding protein 3
3848121	3848118	6681323	6681354	19	-	BC007862	GPR108	G protein-coupled receptor 108
3850262	3850261	10305466	10305529	19	-	NM_002162	ICAM3	Intercellular adhesion molecule 3
3850263	3850261	10305564	10305683	19	-	NM_002162	ICAM3	Intercellular adhesion molecule 3
3850446	3850445	10538301	10538509	19	-	NM_001800	CDKN2D	Cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)
3850778	3850725	11208503	11208540	19	-	NM_020812	DOCK6	Dedicator of cytokinesis 6
3851183	3851150	11986561	11986658	19	-	BC047412	ZNF433	Zinc finger protein 433
3852067	3852034	13088214	13088245	19	-	NM_017722	TRMT1	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)
3852203	3852133	13270622	13270650	19	-	NM_023035	CACNA1A	Calcium channel, voltage-dependent, P/Q type, alpha 1A subunit

3853341	3853299	15348797	15348825	19	-	NM_005858	AKAP8	A kinase (PRKA) anchor protein 8
3853939	3853922	16467959	16467989	19	-	NM_145046	CALR3	Calreticulin 3
3859810	3859809	40706119	40706234	19	-	NM_198538	SBSN	Suprabasin
3860102	3860101	41070549	41070693	19	-	BC006273	TA-NFKBH	T-cell activation NFKB-like protein
3860139	3860137	41087195	41087310	19	-	NM_003332	TYROBP	TYRO protein tyrosine kinase binding protein
3861949	3861948	44510905	44510945	19	-	NM_004877	GMFG	Glia maturation factor, gamma
3861950	3861948	44510998	44511028	19	-	NM_004877	GMFG	Glia maturation factor, gamma
3861953	3861948	44511497	44511553	19	-	NM_004877	GMFG	Glia maturation factor, gamma
3861954	3861948	44512048	44512099	19	-	NM_004877	GMFG	Glia maturation factor, gamma
3861957	3861948	44515565	44515591	19	-	NM_004877	GMFG	Glia maturation factor, gamma
3861961	3861948	44517758	44517786	19	-	NM_004877	GMFG	Glia maturation factor, gamma
3861963	3861948	44517928	44517996	19	-	NM_004877	GMFG	Glia maturation factor, gamma
3862020	3862018	44615726	44615752	19	-	NM_001020	RPS16	Ribosomal protein S16
3862021	3862018	44615802	44615829	19	-	NM_001020	RPS16	Ribosomal protein S16
3862022	3862018	44615830	44615868	19	-	NM_001020	RPS16	Ribosomal protein S16
3862024	3862018	44616002	44616033	19	-	NM_001020	RPS16	Ribosomal protein S16
3862026	3862018	44616167	44616200	19	-	NM_001020	RPS16	Ribosomal protein S16
3862168	3862167	45016951	45017017	19	-	NM_001436	FBL	Fibrillarin
3862170	3862167	45017150	45017214	19	-	NM_001436	FBL	Fibrillarin
3862626	3862611	45601497	45601584	19	-	NM_020956	PRX	Periaxin
3863325	3863323	47152838	47152882	19	-	NM_006423	RABAC1	Rab acceptor 1 (prenylated)
3863598	3863597	47583031	47583122	19	-	NM_032488	CNFN	Cornifelin
3863599	3863597	47583149	47583233	19	-	NM_032488	CNFN	Cornifelin
3863600	3863597	47583335	47583465	19	-	NM_032488	CNFN	Cornifelin
3864558	3864551	48844627	48844791	19	-	NM_001005377	PLAUR	Plasminogen activator, urokinase receptor
3866303	3866302	52033280	52033309	19	-	NM_004069	AP2S1	Adaptor-related protein complex 2, sigma 1 subunit
3867929	3867928	54750792	54750819	19	-	NM_015953	NOSIP	Nitric oxide synthase interacting protein
3867976	3867965	54835138	54835167	19	-	NM_006270	RRAS	Related RAS viral (r-ras) oncogene homolog
3868258	3868257	55144154	55144362	19	-	NM_052884	NUP62	Nucleoporin 62kDa

3868289	3868283	55176803	55176855	19	-	BC023556	VRK3	Vaccinia related kinase 3
3869239	3869237	56940903	56941000	19	-	NM_002029	FPR1	Formyl peptide receptor 1
3869241	3869237	56941069	56941137	19	-	NM_002029	FPR1	Formyl peptide receptor 1
3870571	3870570	59368959	59369525	19	-	NM_024298	LENG4	Leukocyte receptor cluster (LRC) member 4
3870589	3870570	59385034	59385062	19	-	NM_024298	LENG4	Leukocyte receptor cluster (LRC) member 4
3871149	3871142	60362581	60362627	19	-	NM_178837	C19orf51	Chromosome 19 open reading frame 51
3871612	3871609	60825002	60825030	19	-	NM_203374	ZNF784	Zinc finger protein 784
3872855	3872849	63560476	63560509	19	-	NM_198458	ZNF497	Zinc finger protein 497
3872984	3872983	63754787	63754821	19	-	NM_014453	CHMP2A	Chromatin modifying protein 2A
3873773	3873744	2269108	2269218	20	+	NM_003245	TGM3	Transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)
3873775	3873744	2269400	2269456	20	+	NM_003245	TGM3	Transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)
3874610	3874604	3953100	3953136	20	+	M10119	FTL	Ferritin, light polypeptide
3874611	3874604	3953142	3953174	20	+	M10119	FTL	Ferritin, light polypeptide
3878575	3878533	18692210	18692239	20	+	NM_080820	HARS2	Histidyl-tRNA synthetase 2
3882216	3882214	31083142	31083181	20	+	NM_174897	BPIL3	Bactericidal/permeability-increasing protein-like 3
3882684	3882681	31862936	31862971	20	+	NM_176812	CHMP4B	Chromatin modifying protein 4B
3882710	3882681	31905743	31905817	20	+	NM_176812	CHMP4B	Chromatin modifying protein 4B
3882764	3882720	32128501	32128605	20	+	NM_016732	RALY	RNA binding protein, autoantigenic (hnRNP-associated with lethal yellow homolog (mouse))
3883383	3883382	33593212	33593242	20	+	NM_198398	ERGIC3	ERGIC and golgi 3
3883985	3883971	34673925	34674040	20	+	AF274948	C20orf24	Chromosome 20 open reading frame 24
3883986	3883971	34674060	34674186	20	+	AF274948	C20orf24	Chromosome 20 open reading frame 24
3884893	3884892	36988375	36988409	20	+	NM_030919	FAM83D	Family with sequence similarity 83, member D

3886706	3886704	43028588	43028623	20	+	NM_006282	STK4	Serine/threonine kinase 4
3886768	3886765	43237939	43238130	20	+	GENSCAN00000046594	PI3	Peptidase inhibitor 3, skin-derived (SKALP)
3886770	3886765	43238467	43238557	20	+	NM_002638	PI3	Peptidase inhibitor 3, skin-derived (SKALP)
3887456	3887452	44771684	44771775	20	+	NM_030777	SLC2A10	Solute carrier family 2 (facilitated glucose transporter), member 10
3888623	3888613	48242325	48242465	20	+	NM_005194	CEBPB	CCAAT/enhancer binding protein (C/EBP), beta
3888723	3888721	48560356	48560392	20	+	NM_002827	PTPN1	Protein tyrosine phosphatase, non-receptor type 1
3890257	3890218	54527240	54527334	20	+	NM_016407	C20orf43	Chromosome 20 open reading frame 43
3891256	3891163	56919157	56919266	20	+	AF088185	GNAS	GNAS complex locus
3892672	3892660	60396316	60396365	20	+	NM_001024	RPS21	Ribosomal protein S21
3892675	3892660	60396773	60396815	20	+	NM_001024	RPS21	Ribosomal protein S21
3892990	3892974	60926776	60926811	20	+	NM_001853	COL9A3	Collagen, type IX, alpha 3
3893469	3893458	61623813	61623910	20	+	NM_024299	C20orf149	Chromosome 20 open reading frame 149
3893470	3893458	61623917	61623952	20	+	NM_024299	C20orf149	Chromosome 20 open reading frame 149
3893792	3893760	61993251	61993315	20	+	NM_003288	TPD52L2	Tumor protein D52-like 2
3894603	3894601	1297709	1297736	20	-	NM_000801	FKBP1A	FK506 binding protein 1A, 12kDa
3894999	3894995	2390308	2390334	20	-	NM_003091	SNRPB	Small nuclear ribonucleoprotein polypeptides B and B1
3899546	3899495	18395644	18395671	20	-	NM_018152	C20orf12	Chromosome 20 open reading frame 12
3899555	3899551	18417101	18417130	20	-	NM_006606	RBBP9	Retinoblastoma binding protein 9
3903290	3903288	32140942	32141077	20	-	NM_003908	EIF2S2	Eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa
3907194	3907190	43314365	43314412	20	-	NM_003064	SLPI	Secretory leukocyte peptidase inhibitor
3907196	3907190	43315068	43315190	20	-	NM_003064	SLPI	Secretory leukocyte peptidase inhibitor

3911801	3911795	57038771	57038850	20	-	NM_001001977	ATP5E	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit
3918537	3918535	33560641	33560689	21	+	NM_000628	IL10RB	Interleukin 10 receptor, beta
3927181	3927175	26018775	26018804	21	-	NM_001685	ATP5J	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6
3927186	3927175	26023844	26023944	21	-	NM_001685	ATP5J	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6
3927271	3927226	26269297	26269328	21	-	NM_201413	APP	Amyloid beta (A4) precursor protein (peptidase nexin-II, Alzheimer disease)
3934000	3933999	43386221	43386259	21	-	NM_001025204	U2AF1	U2 small nuclear RNA auxiliary factor 1
3934001	3933999	43386281	43386310	21	-	NM_001025204	U2AF1	U2 small nuclear RNA auxiliary factor 1
3934250	3934245	44018306	44018473	21	-	NM_000100	CSTB	Cystatin B (stefin B)
3934251	3934245	44018481	44018510	21	-	NM_000100	CSTB	Cystatin B (stefin B)
3934252	3934245	44018516	44018615	21	-	NM_000100	CSTB	Cystatin B (stefin B)
3934254	3934245	44018967	44019030	21	-	NM_000100	CSTB	Cystatin B (stefin B)
3934731	3934729	45130411	45130657	21	-	NM_000211	ITGB2	Integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)
3938198	3938175	20306056	20306084	22	+	NM_003347	UBE2L3	Ubiquitin-conjugating enzyme E2L 3
3944047	3944046	33983499	33983550	22	+	NM_005487	HMG2L1	High-mobility group protein 2-like 1
3944560	3944543	35603636	35603806	22	+	NM_013416	NCF4	Neutrophil cytosolic factor 4, 40kDa
3944561	3944543	35603909	35603978	22	+	NM_013416	NCF4	Neutrophil cytosolic factor 4, 40kDa
3945533	3945515	37688656	37688908	22	+	NM_145699	APOBEC3A	Apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3A
3945932	3945914	38248554	38248602	22	+	NM_001675	ATF4	Activating transcription factor 4 (tax-responsive enhancer element B67)
3946921	3946889	40249841	40249885	22	+	NM_001098	ACO2	Aconitase 2, mitochondrial
3948321	3948259	43561003	43561071	22	+	NM_181335	PRR5	Proline rich 5 (renal)
3951159	3951136	49584407	49584436	22	+	XM_929847	MGC2752	Hypothetical protein MGC2752
3952709	3952703	17811863	17811911	22	-	NM_173793	HIRA	HIR histone cell cycle regulation defective homolog A ( <i>S. cerevisiae</i> )
3954927	3954910	22509962	22509993	22	-	NM_198440	DERL3	Der1-like domain family, member 3
3957189	3957188	28988927	28989621	22	-	NM_020530	OSM	Oncostatin M
3959291	3959290	34564304	34564331	22	-	AF153482	RPL41	Ribosomal protein L41

3959632	3959631	35236886	35236962		22	-	NM_003753	EIF3S7	Eukaryotic translation initiation factor 3, subunit 7 zeta, 66/67kDa
3960063	3960061	35951355	35951737		22	-	NM_002872	RAC2	Ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)
3960165	3960133	36245083	36245110		22	-	NM_014550	CARD10	Caspase recruitment domain family, member 10
3960940	3960930	37592164	37592195		22	-	NM_014292	CBX6	Chromobox homolog 6
3961108	3961106	38038904	38038935		22	-	NM_001033853	RPL3	Ribosomal protein L3
3961110	3961106	38039153	38039186		22	-	NM_001033853	RPL3	Ribosomal protein L3
3961111	3961106	38039216	38039245		22	-	NM_001033853	RPL3	Ribosomal protein L3
3961114	3961106	38039626	38039676		22	-	NM_001033853	RPL3	Ribosomal protein L3
3961119	3961106	38040063	38040092		22	-	NM_001033853	HLA-B	Major histocompatibility complex, class I, B
3961120	3961106	38040115	38040159		22	-	NM_001033853	HLA-B	Major histocompatibility complex, class I, B
3962562	3962560	41365837	41365917		22	-	AF092923	CYB5R3	Cytochrome b5 reductase 3
3963713	3963676	44001357	44001382		22	-	BC053595	C22orf9	Chromosome 22 open reading frame 9
3965774	3965751	49038813	49038856		22	-	NM_002969	MAPK12	Mitogen-activated protein kinase 12
3965909	3965833	49252958	49252985		22	-	NM_002972	SBF1	SET binding factor 1
3966299	3966271	156008	156035	X		+	NM_018390	PLCXD1	Phosphatidylinositol-specific phospholipase C, X domain containing 1
3969150	3969133	12905198	12905251	X		+	NM_021109	TMSB4X	Thymosin, beta 4, X-linked
3971811	3971806	23711408	23711448	X		+	NM_002970	SAT1	Spermidine/spermine N1-acetyltransferase 1
3971815	3971806	23711868	23711903	X		+	NM_002970	SAT1	Spermidine/spermine N1-acetyltransferase 1
3971822	3971806	23713394	23713466	X		+	NM_002970	SAT1	Spermidine/spermine N1-acetyltransferase 1
3971824	3971806	23713558	23713583	X		+	AF251292	SAT1	Spermidine/spermine N1-acetyltransferase 1
3971826	3971806	23713726	23713868	X		+	AF251292	SAT1	Spermidine/spermine N1-acetyltransferase 1

3971827	3971806	23713895	23713925	X	+	CR590358	SAT1	Spermidine/spermine N1-acetyltransferase 1
3971828	3971806	23713998	23714210	X	+	AF251292	SAT1	Spermidine/spermine N1-acetyltransferase 1
3978177	3978169	53128950	53128976	X	+	NM_022117	TSPYL2	TSPY-like 2
3979932	3979912	66683051	66683082	X	+	NM_000044	AR	Androgen receptor (dihydrotestosterone receptor; testicular feminization; spinal and bulbar muscular atrophy; Kennedy disease)
3980386	3980380	68753274	68753303	X	+	NM_001005611	EDA	Ectodysplasin A
3980748	3980745	70233219	70233266	X	+	NM_005938	MLLT7	Myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 7
3981368	3981361	71296753	71296797	X	+	NM_207422	FLJ44635	TPT1-like protein
3982488	3982462	77267951	77267983	X	+	NM_000291	PGK1	Phosphoglycerate kinase 1
3984771	3984766	100533399	100533457	X	+	NM_021029	RPL36A	Ribosomal protein L36a
3984773	3984766	100536997	100537068	X	+	NM_021029	RPL36A	Ribosomal protein L36a
3988648	3988638	117992658	117992686	X	+	ENST00000365713		LON peptidase N-terminal domain and ring finger 3 (LONRF3), transcript variant 2, mRNA gene:ENSG00000175556
3988990	3988987	118889956	118890004	X	+	NM_004541	NDUFA1	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa
3988991	3988987	118891309	118891384	X	+	NM_004541	NDUFA1	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa
3988994	3988987	118894561	118894632	X	+	NM_004541	NDUFA1	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa
3990683	3990616	129018397	129018437	X	+	NM_021946	BCORL1	BCL6 co-repressor-like 1
3995948	3995946	152699741	152699769	X	+	NM_014370	SRPK3	SFRS protein kinase 3
3996325	3996306	153281029	153281097	X	+	NM_006013	RPL10	Ribosomal protein L10
3996331	3996306	153282011	153282092	X	+	NM_006013	RPL10	Ribosomal protein L10
3996332	3996306	153282105	153282161	X	+	NM_006013	RPL10	Ribosomal protein L10
3996335	3996306	153282261	153282356	X	+	NM_006013	RPL10	Ribosomal protein L10



3997377	3997360	1465179	1465423	X	-	NM_001636	SLC25A6	Solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6
3997378	3997360	1465524	1465582	X	-	NM_001636	SLC25A6	Solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6
3997989	3997946	3641617	3641649	X	-	NM_005044	PRKX	Protein kinase, X-linked
4002841	4002840	23764723	23764751	X	-	BC012149	RPL9	Ribosomal protein L9
4006869	4006841	46406492	46406519	X	-	NM_032591	SLC9A7	Solute carrier family 9 (sodium/hydrogen exchanger), member 7
4007679	4007643	48699351	48699383	X	-	NM_017602	OTUD5	OTU domain containing 5
4008581	4008562	51824337	51824368	X	-	CR604784		full-length cDNA clone CS0DF035YH07 of Fetal brain of Homo sapiens (human).
4012159	4012154	71409215	71409244	X	-	NM_001007	RPS4X	Ribosomal protein S4, X-linked
4012160	4012154	71409256	71409336	X	-	NM_001007	RPS4X	Ribosomal protein S4, X-linked
4012162	4012154	71409819	71409851	X	-	NM_001007	RPS4X	Ribosomal protein S4, X-linked
4012169	4012154	71412144	71412184	X	-	NM_001007	RPS4X	Ribosomal protein S4, X-linked
4014070	4014029	83329498	83329525	X	-	NM_014496	RPS6KA6	Ribosomal protein S6 kinase, 90kDa, polypeptide 6
4014399	4014387	86845296	86845355	X	-	XM_372048	LOC389672	Similar to 40S ribosomal protein SA (p40) (34/67 kDa laminin receptor) (Colon carcinoma laminin-binding protein) (NEM/1CHD4) (Multidrug resistance-associated protein MGr1-Ag)
4015894	4015884	100799177	100799230	X	-	NM_177949	ARMCX2	Armadillo repeat containing, X-linked 2
4019544	4019539	118804523	118804595	X	-	BC070205	RPL39	Ribosomal protein L39
4022698	4022690	133506336	133506378	X	-	XM_001128419		PREDICTED: Homo sapiens hypothetical protein MGC16121 (MGC16121), mRNA.
4023929	4023907	137620832	137620857	X	-	NM_004114	FGF13	Fibroblast growth factor 13
4024320	4024310	139414600	139414646	X	-	NM_005634	SOX3	SRY (sex determining region Y)-box 3

4026670	4026669	152619150	152619175	X	-	NM_005745	BCAP31	B-cell receptor-associated protein 31
4033178	4033161	1465179	1465423	Y	-	NM_001636	SLC25A6	Solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6
4033179	4033161	1465524	1465582	Y	-	NM_001636	SLC25A6	Solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6
4035105	4035017	14100945	14100972	Y	-	BC029389	UTY	Ubiquitously transcribed tetratricopeptide repeat gene, Y-linked
4035834	4035833	19611936	19612006	Y	-	NM_013230	CD24	CD24 molecule
4036514	4036497	22853285	22853312	Y	-	NR_001541		Homo sapiens testis-specific transcript, Y-linked 5 (TTY5) on chromosome Y.
4037584	4037583	1706	2264	M	+	NC_001807		gi 17981852 ref NC_001807.4 :1673-3230; gene=RNR2; product=l-rRNA
4037585	4037583	2548	2614	M	+	NC_001807		gi 17981852 ref NC_001807.4 :1673-3230; gene=RNR2; product=l-rRNA
4037587	4037583	2660	2709	M	+	NC_001807		gi 17981852 ref NC_001807.4 :1673-3230; gene=RNR2; product=l-rRNA
4037588	4037583	2745	2804	M	+	NC_001807		gi 17981852 ref NC_001807.4 :1673-3230; gene=RNR2; product=l-rRNA
4037589	4037583	2829	2953	M	+	NC_001807		gi 17981852 ref NC_001807.4 :1673-3230; gene=RNR2; product=l-rRNA
4037590	4037583	3074	3156	M	+	NC_001807		gi 17981852 ref NC_001807.4 :1673-3230; gene=RNR2; product=l-rRNA
4037596	4037595	3308	3400	M	+	NC_001807		NADH dehydrogenase subunit 1, Mitochondrion [Homo sapiens]
4037597	4037595	3423	3567	M	+	NC_001807		NADH dehydrogenase subunit 1, Mitochondrion [Homo sapiens]
4037598	4037595	3636	3937	M	+	NC_001807		NADH dehydrogenase subunit 1, Mitochondrion [Homo sapiens]
4037599	4037595	3982	4168	M	+	NC_001807		NADH dehydrogenase subunit 1, Mitochondrion [Homo sapiens]

4037600	4037595	4190	4215	M	+	NC_001807	NADH dehydrogenase subunit 1, Mitochondrion [Homo sapiens]
4037601	4037595	4218	4252	M	+	NC_001807	NADH dehydrogenase subunit 1, Mitochondrion [Homo sapiens]
4037609	4037608	4511	4660	M	+	NC_001807	NADH dehydrogenase subunit 2, Mitochondrion [Homo sapiens]
4037610	4037608	5184	5220	M	+	NC_001807	NADH dehydrogenase subunit 2, Mitochondrion [Homo sapiens]
4037611	4037608	5244	5348	M	+	NC_001807	NADH dehydrogenase subunit 2, Mitochondrion [Homo sapiens]
4037624	4037623	5966	6212	M	+	CR608441	full-length cDNA clone CS0DF003YI04 of Fetal brain of Homo sapiens (human).
4037625	4037623	6514	6539	M	+	CR608441	full-length cDNA clone CS0DF003YI04 of Fetal brain of Homo sapiens (human).
4037626	4037623	6599	6885	M	+	CR608441	full-length cDNA clone CS0DF003YI04 of Fetal brain of Homo sapiens (human).
4037627	4037623	6942	7400	M	+	CR608441	full-length cDNA clone CS0DF003YI04 of Fetal brain of Homo sapiens (human).
4037628	4037623	7413	7444	M	+	CR608441	full-length cDNA clone CS0DF003YI04 of Fetal brain of Homo sapiens (human).
4037629	4037623	7472	7516	M	+	CR608441	full-length cDNA clone CS0DF003YI04 of Fetal brain of Homo sapiens (human).
4037633	4037632	7744	7949	M	+	AB019563	Homo sapiens mRNA expressed only in placental villi, clone SMAP42.
4037634	4037632	7988	8021	M	+	Y17175	Homo sapiens mRNA from HIV-associated non-Hodgkin's lymphoma (clone hl2-274).

4037635	4037632	8159	8228	M	+	ENST00000361739	Homo sapiens cytochrome c oxidase II (MTCO2), mRNA. gene:ENSG00000198712
4037640	4037638	8529	8561	M	+	NC_001807	ATP synthase F0 subunit 6, Mitochondrion [Homo sapiens]
4037641	4037638	8720	8908	M	+	NC_001807	ATP synthase F0 subunit 6, Mitochondrion [Homo sapiens]
4037642	4037638	9035	9154	M	+	NC_001807	ATP synthase F0 subunit 6, Mitochondrion [Homo sapiens]
4037644	4037638	9287	9462	M	+	CR625031	full-length cDNA clone CS0DL009YD04 of B cells (Ramos cell line) Cot 25-normalized of Homo sapiens (human).
4037645	4037638	9609	9652	M	+	CR625031	full-length cDNA clone CS0DL009YD04 of B cells (Ramos cell line) Cot 25-normalized of Homo sapiens (human).
4037646	4037638	9669	9724	M	+	CR625031	full-length cDNA clone CS0DL009YD04 of B cells (Ramos cell line) Cot 25-normalized of Homo sapiens (human).
4037647	4037638	9751	9793	M	+	AB064665	Homo sapiens mRNA for OK
4037648	4037638	9888	9921	M	+	AB064665	Homo sapiens mRNA for OK
4037649	4037638	9937	9979	M	+	AB064665	Homo sapiens mRNA for OK
4037653	4037652	10168	10380	M	+	NC_001807	NADH dehydrogenase subunit 3, Mitochondrion [Homo sapiens]
4037659	4037656	10954	11142	M	+	CR623376	full-length cDNA clone CS0CAP006YJ04 of Thymus of Homo sapiens (human).
4037660	4037656	11274	11415	M	+	CR602722	full-length cDNA clone CS0DI085YA08 of Placenta Cot 25-normalized of Homo sapiens (human).
4037661	4037656	11995	12024	M	+	CR602722	full-length cDNA clone CS0DI085YA08 of Placenta Cot 25-normalized of Homo sapiens (human).
4037662	4037656	12104	12137	M	+	CR602722	full-length cDNA clone CS0DI085YA08 of Placenta Cot 25-normalized of Homo sapiens (human).

4037670	4037669	12749	12900	M	+	AF339086		Homo sapiens NADH dehydrogenase subunit 5 (MTND5) mRNA, RNA 4, complete cds; mitochondrial gene for mitochondrial product.	
4037671	4037669	13466	13491	M	+	AF339086		Homo sapiens NADH dehydrogenase subunit 5 (MTND5) mRNA, RNA 4, complete cds; mitochondrial gene for mitochondrial product.	
4037673	4037669	13958	14089	M	+	AF339086		Homo sapiens NADH dehydrogenase subunit 5 (MTND5) mRNA, RNA 4, complete cds; mitochondrial gene for mitochondrial product.	
4040071	4040063	1243624	1243866		17	+	NM_002984	CCL4	Chemokine (C-C motif) ligand 4
4040480	4040452	2329837	2329863		17	+	NM_000160	GCGR	Glucagon receptor
4041344	4041342	2360361	2360389		17	-	NM_000918	P4HB	Procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide
4041978	4041961	386124	386155		1	+	NM_017900	CCNL2	Cyclin L2
4045473	4045426	221604089	221604122		1	-	ENST00000271787		cdna:known chromosome:NCBI36:1:221463271:221604143:-1 gene:ENSG00000143502
4045599	4045598	151782743	151782816		1	-	NM_019554	S100A4	S100 calcium binding protein A4
4045666	4045665	151853397	151853848		1	-	NM_020672	S100A14	S100 calcium binding protein A14
4050501	4050485	139256770	139256848		9	+	NM_006088	TUBB2C	Tubulin, beta 2C