Fold change and Regulation		Annotations		Normalized Intensity									
Fold Change	Regulation	type	seqname	KT1	KT2	KT3	KT4	KT5	NT1	NT2	NT3	NT4	NT5
9,2911618	up	noncoding	ENST00000567795	15,256353	15,464395	15,045229	13,8058815	14,667634	11,545955	11,521601	11,133118	12,922087	11,0374365
2,0903313	up	noncoding	uc011kep.2	11,352923	11,401453	11,277281	10,898792	11,342463	10,296328	9,998535	10,156546	10,335802	10,167043
5,6220727	up	noncoding	ENST00000552367	9,417328	9,2184305	9,585189	7,4078007	9,819914	7,0358434	6,159316	6,16282	6,580934	7,0542383
2,1386219	up	noncoding	NR_036497	8,886677	8,98638	8,77118	8,627758	8,91325	7,8394527	7,782375	7,8545723	7,4841027	7,741335
3,2177442	up	noncoding	TCONS_00001546	7,499318	7,2874637	7,215688	7,1908383	7,9071436	6,5472646	6,0813437	5,7382684	4,8727446	5,430582
3,8219362	up	noncoding	uc003fgr.1	6,7715473	6,927029	6,707921	5,52465	6,58144	5,7985606	4,3700886	4,457574	4,315218	3,8996277
3,7166031	up	noncoding	TCONS_00004392	8,734788	8,398257	8,751535	8,638217	9,222318	7,3596997	6,894115	7,0120225	6,3993416	6,610013
8,0294428	up	noncoding	TCONS_00014460	10,949976	10,237928	10,823705	10,783438	11,547667	8,322876	8,063174	7,591862	7,7292523	7,6090503
4,1644277	up	noncoding	ENST00000418821	7,8812513	6,965578	7,5509634	7,519204	8,203571	6,3973265	5,2104235	5,5207114	5,555143	5,146372
4,6620753	up	noncoding	TCONS_00028182	7,4906077	7,316228	7,515303	7,0696	8,094503	5,9906616	5,1244206	5,106035	4,965526	5,194737
57,1384193	up	noncoding	CR744969	9,126927	7,8943133	8,940054	9,063235	9,97377	5,518242	2,402045	2,3715568	2,9328961	2,5916133
3,6090348	up	noncoding	uc.340-	9,246788	8,662207	9,160995	9,179441	9,656187	7,3192134	7,2570825	7,235059	7,6090503	7,2271476
2,0335015	up	noncoding	TCONS_00000861	7,2211	7,312247	7,3983197	6,770198	7,6883526	6,502447	6,2251124	6,312344	5,7276187	6,502865
2,0010111	up	noncoding	ENST00000294715	9,003308	8,619886	9,059742	9,052572	9,544499	8,278305	8,09632	7,9902577	7,8668914	8,044587
2,138406	up	noncoding	ENST00000515275	6,7681785	7,3807797	6,568923	6,1622934	6,5043693	6,3300257	5,8182	5,71811	4,7848144	5,250715
3,4851245	up	noncoding	ENST00000561761	8,807171	8,624255	8,865279	8,818075	9,284136	7,4192734	7,3729687	7,23166	6,125026	7,243937
3,4851245	up	noncoding	ENST00000561761	8,807171	8,624255	8,865279	8,818075	9,284136	7,4192734	7,3729687	7,23166	6,125026	7,243937
2,4858149	up	noncoding	ENST00000520882	7,2546015	7,2887025	7,207316	5,9106483	6,8665695	6,6429214	5,343379	5,0492344	5,4054666	5,518242
2,4858149	up	noncoding	ENST00000520882	7,2546015	7,2887025	7,207316	5,9106483	6,8665695	6,6429214	5,343379	5,0492344	5,4054666	5,518242
2,4858149	up	noncoding	ENST00000520882	7,2546015	7,2887025	7,207316	5,9106483	6,8665695	6,6429214	5,343379	5,0492344	5,4054666	5,518242
2,4858149	up	noncoding	ENST00000520882	7,2546015	7,2887025	7,207316	5,9106483	6,8665695	6,6429214	5,343379	5,0492344	5,4054666	5,518242
2,4858149	up	noncoding	ENST00000520882	7,2546015	7,2887025	7,207316	5,9106483	6,8665695	6,6429214	5,343379	5,0492344	5,4054666	5,518242
2,4858149	up	noncoding	ENST00000520882	7,2546015	7,2887025	7,207316	5,9106483	6,8665695	6,6429214	5,343379	5,0492344	5,4054666	5,518242
2,2086247	up	noncoding	ENST00000552784	8,24587	8,0118475	7,9119573	7,0292206	7,9820685	6,8396215	6,532778	6,051214	7,2363095	6,8052993
2,2086247	up	noncoding	ENST00000552784	8,24587	8,0118475	7,9119573	7,0292206	7,9820685	6,8396215	6,532778	6,051214	7,2363095	6,8052993
2,2086247	up	noncoding	ENST00000552784	8,24587	8,0118475	7,9119573	7,0292206	7,9820685	6,8396215	6,532778	6,051214	7,2363095	6,8052993
2,2086247	up	noncoding	ENST00000552784	8,24587	8,0118475	7,9119573	7,0292206	7,9820685	6,8396215	6,532778	6,051214	7,2363095	6,8052993
2,2086247	up	noncoding	ENST00000552784	8,24587	8,0118475	7,9119573	7,0292206	7,9820685	6,8396215	6,532778	6,051214	7,2363095	6,8052993
2,2086247	up	noncoding	ENST00000552784	8,24587	8,0118475	7,9119573	7,0292206	7,9820685	6,8396215	6,532778	6,051214	7,2363095	6,8052993
2,2086247	up	noncoding	ENST00000552784	8,24587	8,0118475	7,9119573	7,0292206	7,9820685	6,8396215	6,532778	6,051214	7,2363095	6,8052993
9,2418994	up	noncoding	TCONS_00024508	7,6497774	7,22561	7,6770287	7,6633315	8,143357	5,3521433	4,5329747	4,215399	4,5301533	3,6874874
3,2167556	up	noncoding	ENST00000505371	7,0794525	6,3097057	6,7086744	6,8477383	7,3145447	5,02324	5,6063137	5,322948	4,906794	4,9727883
9,6764206	up	noncoding	ENST00000577199	5,7115793	5,841175	5,8667603	5,0966053	5,9462476	2,5735905	2,402045	2,3715568	2,3702428	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
4,0214111	up	noncoding	AA992250	5,0077043	4,306025	4,6962905	5,0746937	5,6586466	4,3564324	2,402045	2,4148192	3,1589894	2,372565
6,588786	up	noncoding	TCONS_00011820	8,170755	7,434395	8,037915	8,038149	8,778933	6,903235	5,118172	4,9624743	4,5943794	5,281823
3,3729475	up	noncoding	ENST00000563059	6,558981	6,4422565	6,724035	6,4652224	6,7494926	5,524955	4,496045	6,211275	3,2528038	4,6848593
2,3002276	up	noncoding	uc002jrt.3	14,126502	14,075605	14,030003	13,649024	13,994712	12,566918	12,606887	12,643957	13,285784	12,763417
2,0792005	up	noncoding	NR_046284	6,714236	6,122084	6,870983	7,078809	7,4781184	6,1578236	5,9264874	5,5851293	5,8425713	5,4720745
2,0792005	up	noncoding	NR_046284	6,714236	6,122084	6,870983	7,078809	7,4781184	6,1578236	5,9264874	5,5851293	5,8425713	5,4720745
3,0883789	up	noncoding	DA962001	8,330962	8,527453	8,353254	7,4999566	7,975384	6,5812483	6,11885	6,3333235	7,1526494	6,3666897
3,2878808	up	noncoding	TCONS_00020652	5,42823	4,7788615	5,2627616	4,261783	6,0523725	5,2112837	3,8540208	3,2724264	2,4879227	2,372565
5,4840673	up	noncoding	uc010qbg.1	7,533853	6,8406496	7,2305374	7,5009203	7,911466	6,028466	4,7604904	4,5315065	4,838061	4,582671
3,4528538	up	noncoding	ENST00000552753	9,716926	9,716193	9,678604	9,487741	9,804853	8,131146	7,98532	7,912318	7,5268707	7,909716
5,3696115	up	noncoding	uc011mgv.2	9,411039	9,369933	9,407305	9,340338	9,635496	7,304284	7,1569858	7,0629463	6,7018833	6,813923
5,8496414	up	noncoding	AK055244	6,6068425	6,5664597	6,631819	6,2237444	6,665914	4,9174495	3,6095111	3,4247456	3,869703	4,1316295
3,188068	up	noncoding	ENST00000531347	6,5308557	6,104867	6,475442	6,0149784	6,8405027	6,0611086	4,598688	3,9165246	4,598474	4,4284387
5,0770925	up	noncoding	ENST00000556926	8,777178	8,837962	8,750998	9,049377	8,719818	6,8045173	6,607993	6,5592737	5,9839168	6,4596195
5,0770925	up	noncoding	ENST00000556926	8,777178	8,837962	8,750998	9,049377	8,719818	6,8045173	6,607993	6,5592737	5,9839168	6,4596195
5,7516115	up	noncoding	TCONS_00020352	6,371409	6,6311417	6,3601627	5,6162047	6,2097473	4,0006447	3,350963	4,971484	2,3953776	3,850365
2,5669864	up	noncoding	uc003dpu.3	6,6382413	7,029047	6,756143	6,2738366	6,627069	6,3095317	5,5470495	5,512279	4,312517	4,8425813
6,6279183	up	noncoding	ENST00000419703	6,165155	6,2003446	6,857031	6,094993	6,5770545	3,918507	5,00403	4,366339	2,590358	2,372565
2,9017647	up	noncoding	ENST00000560662	5,923763	6,2147827	6,0504384	4,8336515	6,567914	5,0276666	4,707101	4,893565	2,3702428	4,9073215
2,5792918	up	noncoding	ENST00000561510	6,9478855	6,7756286	6,755825	6,3673987	7,38209	5,8667603	5,844422	5,4208984	4,941989	5,319883

2,2357474	up	noncoding	ENST00000418430	8,390261	8,4363785	8,299921	8,117537	8,483478	7,482297	7,2814035	7,0294	7,005375	7,125314
2,2357474	up	noncoding	ENST00000418430	8,390261	8,4363785	8,299921	8,117537	8,483478	7,482297	7,2814035	7,0294	7,005375	7,125314
2,2555275	up	noncoding	ENST00000454321	4,7966695	4,8798847	5,298325	4,803419	5,715928	4,777636	4,2645774	3,4667966	3,7218928	3,395999
3,7808066	up	noncoding	NR_038277	5,074544	4,6228013	5,063813	4,8733807	5,457632	3,3106508	2,6571913	2,9163423	3,5406034	3,0739129
3,7808066	up	noncoding	NR_038277	5,074544	4,6228013	5,063813	4,8733807	5,457632	3,3106508	2,6571913	2,9163423	3,5406034	3,0739129
2,3594224	up	noncoding	NR_036530	6,76978	7,0960593	6,738875	5,618016	6,4862223	5,809669	5,031203	5,602284	4,602539	5,471089
2,0896059	up	noncoding	ENST00000514881	10,9227085	11,117859	11,011992	10,709353	10,917906	9,814553	9,850381	9,912893	9,816252	9,969585
3,8242624	up	noncoding	uc001kra.4	11,116486	9,527113	10,613153	11,109202	12,319481	9,1888275	9,0165	8,669019	9,315432	8,819749
2,5417903	up	noncoding	ENST00000573040	6,2819586	6,375614	6,4333296	6,164961	6,4936733	5,69719	5,083131	4,771272	4,332498	5,1362205
2,5417903	up	noncoding	ENST00000573040	6,2819586	6,375614	6,4333296	6,164961	6,4936733	5,69719	5,083131	4,771272	4,332498	5,1362205
5,5408691	up	noncoding	TCONS_00025005	6,426446	5,410699	5,9207206	5,5927005	7,1460505	3,7416325	3,2902374	4,020926	4,4010396	2,6922197
2,359881	up	noncoding	ENST00000519854	6,4429893	5,809237	6,608367	6,3928437	7,050821	5,58247	5,1851788	5,180668	4,8164377	5,345933
8,5256265	up	noncoding	ENST00000515570	7,644056	7,7619553	7,6844997	7,06191	7,6319585	3,9292285	4,921138	4,6065664	4,4452505	4,4231668
8,5256265	up	noncoding	ENST00000515570	7,644056	7,7619553	7,6844997	7,06191	7,6319585	3,9292285	4,921138	4,6065664	4,4452505	4,4231668
8,5256265	up	noncoding	ENST00000515570	7,644056	7,7619553	7,6844997	7,06191	7,6319585	3,9292285	4,921138	4,6065664	4,4452505	4,4231668
2,1647593	up	noncoding	ENST00000422826	8,9079895	8,034908	8,862258	9,355155	9,38464	7,991077	7,681943	7,5390725	7,997644	7,764181
5,3827193	up	noncoding	ENST00000513638	6,1255956	5,2771707	6,180495	6,1822977	6,999703	5,500054	3,846148	3,1648936	2,577061	3,5354295
2,2220631	up	noncoding	TCONS_00001924	6,8188014	6,1784325	6,611958	6,5033607	7,3664627	5,471178	5,8944187	5,634849	5,5134616	5,205609
2,2718655	up	noncoding	ENST00000509453	9,78248	9,391985	9,373909	9,670782	9,920369	8,438143	8,449751	8,211826	8,84189	8,278528
6,7373367	up	noncoding	uc010keg.2	12,641701	12,358952	12,601628	12,763417	12,996477	10,171636	10,216089	9,819111	9,627307	9,76714
6,7373367	up	noncoding	uc010keg.2	12,641701	12,358952	12,601628	12,763417	12,996477	10,171636	10,216089	9,819111	9,627307	9,76714
2,3781959	up	noncoding	ENST00000443679	6,074969	6,18847	5,9515247	5,2951517	6,3412976	5,0027213	3,9883165	5,057221	4,6481175	4,905699
6,127057	up	noncoding	NR_015406	5,86185	4,6364737	5,5512915	5,3875585	5,9841876	3,4793897	2,402045	2,3715568	3,0328388	3,0595596
32,2146488	up	noncoding	ENST00000414488	8,392956	7,917157	8,357181	8,313094	8,815689	3,247232	3,383236	3,3760648	3,4409406	3,3003788
2,4477641	up	noncoding	ENST00000545709	8,321209	8,179644	8,439519	8,329722	8,556491	6,906612	7,0380006	7,2122426	6,9920797	7,2203274
2,4477641	up	noncoding	ENST00000545709	8,321209	8,179644	8,439519	8,329722	8,556491	6,906612	7,0380006	7,2122426	6,9920797	7,2203274
2,4477641	up	noncoding	ENST00000545709	8,321209	8,179644	8,439519	8,329722	8,556491	6,906612	7,0380006	7,2122426	6,9920797	7,2203274
2,4477641	up	noncoding	ENST00000545709	8,321209	8,179644	8,439519	8,329722	8,556491	6,906612	7,0380006	7,2122426	6,9920797	7,2203274
6,3084249	up	noncoding	ENST00000453784	7,3416514	7,1324377	7,396943	7,1969414	7,813662	4,797658	5,1315427	4,784128	4,2822876	4,59962
2,6225316	up	noncoding	ENST00000439904	5,24292	5,45894	5,3674536	4,515043	5,2291408	4,4730935	2,9558957	3,746212	3,5427208	4,1407747
13,4024914	up	noncoding	ENST00000428667	7,5083547	6,4146905	7,3713055	7,818143	8,362932	3,7873597	3,9877303	3,5641885	3,4544911	3,9595096
13,4024914	up	noncoding	ENST00000428667	7,5083547	6,4146905	7,3713055	7,818143	8,362932	3,7873597	3,9877303	3,5641885	3,4544911	3,9595096
13,4024914	up	noncoding	ENST00000428667	7,5083547	6,4146905	7,3713055	7,818143	8,362932	3,7873597	3,9877303	3,5641885	3,4544911	3,9595096
13,4024914	up	noncoding	ENST00000428667	7,5083547	6,4146905	7,3713055	7,818143	8,362932	3,7873597	3,9877303	3,5641885	3,4544911	3,9595096
5,2740621	up	noncoding	ENST00000560461	6,4385953	6,2934055	6,190352	5,775446	6,650659	4,9522824	3,3848608	3,5266035	3,4198048	4,0703335
11,3820633	up	noncoding	ENST00000437680	8,932315	8,079724	8,905275	9,127597	9,690347	5,708936	5,4820986	5,396219	5,35905	5,2455034
11,3820633	up	noncoding	ENST00000437680	8,932315	8,079724	8,905275	9,127597	9,690347	5,708936	5,4820986	5,396219	5,35905	5,2455034
11,3820633	up	noncoding	ENST00000437680	8,932315	8,079724	8,905275	9,127597	9,690347	5,708936	5,4820986	5,396219	5,35905	5,2455034
2,1564515	up	noncoding	ENST00000452436	7,195549	7,001959	7,1781583	6,563957	7,517381	5,973833	5,7664094	5,674067	6,2013364	6,2980623
2,8256966	up	noncoding	ENST00000436054	6,9964724	7,2224183	6,943764	6,326934	6,938371	6,228189	5,500865	5,806259	4,7240815	4,6755323
2,6610547	up	noncoding	NR_038458	5,993121	6,6425996	6,2966533	5,1136055	6,1419916	4,633849	4,6188946	4,922964	4,3759737	4,576299
3,2068276	up	noncoding	ENST00000514788	10,363116	9,530495	10,281487	10,252406	11,11184	8,663289	8,557095	8,409857	9,039916	8,463453
4,3584939	up	noncoding	NR_038405	6,6719475	7,2670407	6,8523607	5,3885517	5,691022	4,8318186	4,122438	4,131152	3,805057	4,3613086
4,3584939	up	noncoding	NR_038405	6,6719475	7,2670407	6,8523607	5,3885517	5,691022	4,8318186	4,122438	4,131152	3,805057	4,3613086
4,3584939	up	noncoding	NR_038405	6,6719475	7,2670407	6,8523607	5,3885517	5,691022	4,8318186	4,122438	4,131152	3,805057	4,3613086
4,3584939	up	noncoding	NR_038405	6,6719475	7,2670407	6,8523607	5,3885517	5,691022	4,8318186	4,122438	4,131152	3,805057	4,3613086
4,3584939	up	noncoding	NR_038405	6,6719475	7,2670407	6,8523607	5,3885517	5,691022	4,8318186	4,122438	4,131152	3,805057	4,3613086
2,8611594	up	noncoding	ENST00000404404	9,709516	9,493797	9,693178	9,7678385	10,067301	8,514168	8,393779	8,228462	7,861639	8,150583
2,4329552	up	noncoding	TCONS_00011070	5,273193	4,8095026	5,1006584	4,3334155	5,7646976	4,978475	3,3914409	3,3936574	3,7076526	3,3966925
2,3105008	up	noncoding	ENST00000503066	5,6455493	5,6726046	5,605673	4,6623	5,7457657	5,258381	3,9390168	4,292188	4,418907	3,3823717
2,1611805	up	noncoding	ENST00000486545	5,328292	4,7471833	5,1836123	4,7834387	5,5391207	3,919037	3,8826118	4,66319	3,8493803	3,7083302
2,4751764	up	noncoding	ENST00000457331	5,000884	4,1394377	4,9846544	4,4710774	5,7365923	4,3811913	3,4135425	3,9525404	3,1924837	2,8552313
2,4751764	up	noncoding	ENST00000457331	5,000884	4,1394377	4,9846544	4,4710774	5,7365923	4,3811913	3,4135425	3,9525404	3,1924837	2,8552313
2,4751764	up	noncoding	ENST00000457331	5,000884	4,1394377	4,9846544	4,4710774	5,7365923	4,3811913	3,4135425	3,9525404	3,1924837	2,8552313
2,4751764	up	noncoding	ENST00000457331	5,000884	4,1394377	4,9846544	4,4710774	5,7365923	4,3811913	3,4135425	3,9525404	3,1924837	2,8552313
2,4751764	up	noncoding	ENST00000457331	5,000884	4,1394377	4,9846544	4,4710774	5,7365923	4,3811913	3,4135425	3,9525404	3,1924837	2,8552313
2,4751764	up	noncoding	ENST00000457331	5,000884	4,1394377	4,9846544	4,4710774	5,7365923	4,3811913	3,4135425	3,9525404	3,1924837	2,8552313
3,2582002	up	noncoding	TCONS_00016358	8,091118	7,18049	8,067208	7,856226	8,6406765	6,468936	6,2801967	6,2109632	6,2337813	6,121465
2,5216757	up	noncoding	ENST00000521148	8,01398	7,2982926	7,825404	7,7515874	8,357854	6,697584	6,568495	6,5803857	6,2058325	6,522907
2,3771014	up	noncoding	ENST00000436715	8,170306	7,406997	8,199969	8,462327	8,605183	6,960142	6,9329925	6,927029	7,0340047	6,7445965
3,1820136	up	noncoding	uc004afb.1	5,7414985	5,1337204	5,2980614	5,0155	5,964131	3,9101899	3,10472	3,5156171	4,203997	4,0686874
3,3628752	up	noncoding	TCONS_00014917	6,1882453	5,2822027	5,5066977	5,7184443	6,2854586	4,738367	3,5276554	4,6228952	3,5640259	3,7796288
121,8057307	up	noncoding	uc011egv.1	9,585189	9,407742	9,527113	9,35041	9,8942175	3,1800807	2,402045	2,797547	2,3702428	2,372565
6,7929644	up	noncoding	uc001kfc.1	14,731857	15,13483	14,518841	13,197088	13,7748165	11,414608	11,468746	11,079406	12,702897	10,871569
4,4565784	up	noncoding	NR_029408	12,014712	11,973025	11,986449	11,803053	12,2092495	9,928504	9,755006	9,861805	9,741403	9,920088
2,7103984	up	noncoding	ENST00000562485	5,3140273	5,3613	5,3451476	5,544316	5,781141	4,399595	4,3045273	3,9539626	3,7087893	3,786533
2,7103984	up	noncoding	ENST00000562485	5,3140273	5,3613	5,3451476	5,544316	5,781141	4,399595	4,3045273	3,9539626	3,7087893	3,786533
2,7103984	up	noncoding	ENST00000562485	5,3140273	5,3613	5,3451476	5,544316	5,781141	4,399595	4,3045273	3,9539626	3,7087893	3,786533
3,9041073	up	noncoding	ENST00000489520	7,544021	7,7053866	7,35047	6,7650146	7,478947	5,6298227	5,2060714	5,2299657	5,7562385	5,1967773

3,9041073	up	noncoding	ENST00000489520	7,544021	7,7053866	7,35047	6,7650146	7,478947	5,6298227	5,2060714	5,2299657	5,7562385	5,1967773
6,1967433	up	noncoding	ENST00000435697	12,597567	12,680601	12,544245	11,760683	12,541735	9,552269	9,539744	9,380311	11,009697	9,485259
5,1130045	up	noncoding	ENST00000561327	15,808139	15,229417	15,650813	15,416111	16,031199	13,444964	13,211853	12,976131	13,4622755	13,269599
3,335631	up	noncoding	ENST00000415965	6,419336	5,769213	6,090564	6,066541	6,8621516	4,256535	4,7328033	4,3457065	4,7372293	4,445733
3,335631	up	noncoding	ENST00000415965	6,419336	5,769213	6,090564	6,066541	6,8621516	4,256535	4,7328033	4,3457065	4,7372293	4,445733
3,335631	up	noncoding	ENST00000415965	6,419336	5,769213	6,090564	6,066541	6,8621516	4,256535	4,7328033	4,3457065	4,7372293	4,445733
3,335631	up	noncoding	ENST00000415965	6,419336	5,769213	6,090564	6,066541	6,8621516	4,256535	4,7328033	4,3457065	4,7372293	4,445733
2,0472556	up	noncoding	TCONS_00010297	7,652689	7,38953	7,486291	7,6537733	7,892998	6,488125	6,5020666	6,7387815	6,6680937	6,5097585
3,7794825	up	noncoding	TCONS_00010536	7,8441725	7,5193696	8,012738	8,20955	7,6976438	6,37521	5,9413953	5,9753323	4,9248953	6,4756975
3,2536055	up	noncoding	TCONS_00012371	5,1963286	5,0408397	5,5497994	5,844422	5,989858	4,191142	3,9366236	4,1981444	3,181786	3,603355
2,4957759	up	noncoding	ENST00000570901	6,180636	6,363648	5,865864	4,8152857	6,194228	4,3395076	4,527833	4,808728	4,401343	4,744808
13,3372368	up	noncoding	TCONS_00007054	6,9339023	6,6621995	6,8840265	6,534012	7,3202424	2,373237	3,5888839	3,8646855	2,3702428	3,450394
7,4660378	up	noncoding	NR_027076	6,292018	4,001943	6,4456925	7,54054	7,2862954	3,8996277	3,105712	3,3325267	3,3098428	3,4170656
6,5965575	up	noncoding	TCONS_00013887	9,028092	8,515522	9,021292	9,214609	9,562596	6,6690316	6,721634	6,3761387	5,847271	6,119469
5,8632143	up	noncoding	ENST00000437561	11,796909	11,517728	11,763151	11,724662	12,170869	9,39775	9,462729	9,110271	9,186968	9,057142
4,5697025	up	noncoding	AA151944	8,984556	8,560091	8,979378	9,18384	9,469169	6,5385795	6,7688236	6,918808	6,9704113	7,0199103
2,8127498	up	noncoding	uc001djh.1	6,839469	6,6340647	6,972554	6,76912	7,044674	5,5518036	4,976843	5,3572474	5,562705	5,3513765
2,8127498	up	noncoding	uc001djh.1	6,839469	6,6340647	6,972554	6,76912	7,044674	5,5518036	4,976843	5,3572474	5,562705	5,3513765
2,1531372	up	noncoding	ENST00000418525	9,1050825	8,637808	8,787756	8,91269	9,29568	7,9891696	7,9800105	8,044587	7,379386	7,813662
2,1531372	up	noncoding	ENST00000418525	9,1050825	8,637808	8,787756	8,91269	9,29568	7,9891696	7,9800105	8,044587	7,379386	7,813662
3,9018337	up	noncoding	ENST00000235290	11,565019	11,0730915	11,501901	11,686514	12,134399	9,71166	9,731582	9,625871	9,501923	9,569127
3,2037873	up	noncoding	uc010thk.1	6,4072485	5,4048047	6,297765	6,19935	7,1015654	4,6492577	4,509411	4,3700066	4,6744385	4,808728
2,1901427	up	noncoding	ENST00000378432	8,862258	8,734584	8,794974	8,959768	8,974914	7,737482	7,7690954	7,475058	7,9090767	7,7806616
2,1901427	up	noncoding	ENST00000378432	8,862258	8,734584	8,794974	8,959768	8,974914	7,737482	7,7690954	7,475058	7,9090767	7,7806616
2,1901427	up	noncoding	ENST00000378432	8,862258	8,734584	8,794974	8,959768	8,974914	7,737482	7,7690954	7,475058	7,9090767	7,7806616
3,4605678	up	noncoding	uc021xph.1	7,7828293	7,899194	7,9231205	7,5201683	7,6613736	6,2497954	5,724633	5,8700705	6,320104	5,667039
3,5719711	up	noncoding	uc002sxx.1	12,027254	11,721226	12,007107	12,418656	12,445882	10,341829	10,439031	10,30834	10,172307	10,175016
3,005464	up	noncoding	ENST00000477059	6,012312	5,6399913	6,120535	5,900705	6,3436527	4,234215	4,428971	4,637207	4,3540564	4,424808
24,3589189	up	noncoding	ENST00000422343	14,288153	12,447032	14,023259	14,178592	15,288168	9,73471	9,598612	9,223394	9,378178	9,258419
2,7008956	up	noncoding	ENST00000564549	6,3655505	6,3029413	6,429506	5,92064	6,4838233	4,896576	4,724935	4,5881286	5,121987	5,003645
2,2666165	up	noncoding	ENST00000455105	12,835433	13,002131	12,8386545	12,650187	12,608112	11,846752	11,93929	11,638671	11,302524	11,304579
14,2363593	up	noncoding	NR_033869	7,032225	6,4351497	7,0535784	6,9855175	7,754853	2,5390122	3,2834134	3,450394	3,832435	2,9985273
6,1651431	up	noncoding	ENST00000451149	8,276192	7,7751436	8,257019	8,333051	8,844326	5,7035265	6,1817	5,9400306	4,6778326	5,86197
5,6371581	up	noncoding	ENST00000414989	5,1287436	4,5315065	5,056846	4,966797	5,4823017	2,3690376	2,402045	3,1507468	2,3969603	2,372565
5,6371581	up	noncoding	ENST00000414989	5,1287436	4,5315065	5,056846	4,966797	5,4823017	2,3690376	2,402045	3,1507468	2,3969603	2,372565
5,6371581	up	noncoding	ENST00000414989	5,1287436	4,5315065	5,056846	4,966797	5,4823017	2,3690376	2,402045	3,1507468	2,3969603	2,372565
5,6371581	up	noncoding	ENST00000414989	5,1287436	4,5315065	5,056846	4,966797	5,4823017	2,3690376	2,402045	3,1507468	2,3969603	2,372565
5,6371581	up	noncoding	ENST00000414989	5,1287436	4,5315065	5,056846	4,966797	5,4823017	2,3690376	2,402045	3,1507468	2,3969603	2,372565
2,2310573	up	noncoding	TCONS_00022116	4,961344	4,083239	4,8329577	4,635828	5,053283	3,5846815	3,268972	3,5460732	3,483307	3,8949802
2,392637	up	noncoding	ENST00000569742	6,355967	6,307889	5,927111	5,3031917	5,812797	5,000574	4,224337	4,733414	4,79301	4,662613
6,3763444	up	noncoding	ENST00000534782	10,846102	9,219243	9,726208	9,40202	11,168779	7,452552	7,404249	7,2242155	7,6448827	7,272805
2,6829447	up	noncoding	ENST00000579692	8,006184	8,063452	8,054857	7,76244	8,175858	6,9013553	6,566374	6,59579	6,3915644	6,4886208
5,5426749	up	noncoding	ENST00000500197	6,1345854	5,334429	6,049072	4,9370646	6,19604	2,6850631	3,2512963	3,4226744	3,4057302	3,533515
2,1573079	up	noncoding	uc.383+	4,723036	4,5504456	5,038967	5,1040955	4,443686	4,4019346	3,1703947	3,546255	3,2005363	3,994949
3,4289104	up	noncoding	ENST00000540547	10,492435	9,906236	10,675669	11,348003	11,098268	9,280128	9,34187	8,925851	9,031652	8,052359
3,4289104	up	noncoding	ENST00000540547	10,492435	9,906236	10,675669	11,348003	11,098268	9,280128	9,34187	8,925851	9,031652	8,052359
3,4289104	up	noncoding	ENST00000540547	10,492435	9,906236	10,675669	11,348003	11,098268	9,280128	9,34187	8,925851	9,031652	8,052359
4,3274077	up	noncoding	ENST00000414515	5,8180604	5,812934	5,979242	5,6681347	6,329447	3,2090743	3,6687105	5,093901	3,2994828	3,7691343
2,7815908	up	noncoding	ENST00000430643	6,2288804	6,526021	6,274154	5,7368727	6,5658436	4,231582	4,7589107	5,0207424	4,8717656	5,06922
15,1878657	up	noncoding	ENST00000441295	11,874725	9,784065	11,587781	12,6376705	12,861578	8,772346	8,632992	7,489246	6,667306	7,5596933
4,3993382	up	noncoding	NR_015453	9,0983305	9,108031	9,041216	8,805475	9,277629	6,84306	7,022414	6,979965	6,8206935	6,9781165
2,4222899	up	noncoding	ENST00000435597	7,675636	7,4032655	7,778224	7,756469	8,139797	6,496074	6,571785	6,52826	6,2195463	6,5558686
2,2973809	up	noncoding	ENST00000562241	8,676184	8,1043625	8,462929	8,829131	9,239476	7,6286726	7,595135	7,4669085	7,4298687	7,1915474
8,1016357	up	noncoding	uc.448-	11,639238	9,873753	10,717221	10,563967	12,31824	7,8868723	7,828581	7,6613736	8,972326	7,6722
2,3173639	up	noncoding	ENST00000432361	6,9366703	6,672878	7,080897	7,2857404	7,0518117	6,108447	5,856553	5,7035265	5,7145777	5,58247
2,6667104	up	noncoding	ENST00000553197	4,9823647	4,8200145	4,6587934	4,2223167	4,974174	2,3735778	3,692559	3,568446	3,3385448	3,6092298
2,6667104	up	noncoding	ENST00000553197	4,9823647	4,8200145	4,6587934	4,2223167	4,974174	2,3735778	3,692559	3,568446	3,3385448	3,6092298
2,6667104	up	noncoding	ENST00000553197	4,9823647	4,8200145	4,6587934	4,2223167	4,974174	2,3735778	3,692559	3,568446	3,3385448	3,6092298
2,6667104	up	noncoding	ENST00000553197	4,9823647	4,8200145	4,6587934	4,2223167	4,974174	2,3735778	3,692559	3,568446	3,3385448	3,6092298
2,6667104	up	noncoding	ENST00000553197	4,9823647	4,8200145	4,6587934	4,2223167	4,974174	2,3735778	3,692559	3,568446	3,3385448	3,6092298
2,6667104	up	noncoding	ENST00000553197	4,9823647	4,8200145	4,6587934	4,2223167	4,974174	2,3735778	3,692559	3,568446	3,3385448	3,6092298
2,6667104	up	noncoding	ENST00000553197	4,9823647	4,8200145	4,6587934	4,2223167	4,974174	2,3735778	3,692559	3,568446	3,3385448	3,6092298
2,6667104	up	noncoding	ENST00000553197	4,9823647	4,8200145	4,6587934	4,2223167	4,974174	2,3735778	3,692559	3,568446	3,3385448	3,6092298
6,2046415	up	noncoding	NR_040093	9,616442	8,918297	9,627307	10,548128	10,19348	8,104881	8,286497	7,5193696	6,0716906	5,7544765
6,2046415	up	noncoding	NR_040093	9,616442	8,918297	9,627307	10,548128	10,19348	8,104881	8,286497	7,5193696	6,0716906	5,7544765
6,2046415	up	noncoding	NR_040093	9,616442	8,918297	9,627307	10,548128	10,19348	8,104881	8,286497	7,5193696	6,0716906	5,7544765
6,2046415	up	noncoding	NR_040093	9,616442	8,918297	9,627307	10,548128	10,19348	8,104881	8,286497	7,5193696	6,0716906	5,7544765
6,2046415	up	noncoding	NR_040093	9,616442	8,918297	9,627307	10,548128	10,19348	8,104881	8,286497	7,5193696	6,0716906	5,7544765

6,2046415	up	noncoding	NR_040093	9,616442	8,918297	9,627307	10,548128	10,19348	8,104881	8,286497	7,5193696	6,0716906	5,7544765
6,2046415	up	noncoding	NR_040093	9,616442	8,918297	9,627307	10,548128	10,19348	8,104881	8,286497	7,5193696	6,0716906	5,7544765
6,2046415	up	noncoding	NR_040093	9,616442	8,918297	9,627307	10,548128	10,19348	8,104881	8,286497	7,5193696	6,0716906	5,7544765
6,2046415	up	noncoding	NR_040093	9,616442	8,918297	9,627307	10,548128	10,19348	8,104881	8,286497	7,5193696	6,0716906	5,7544765
6,2046415	up	noncoding	NR_040093	9,616442	8,918297	9,627307	10,548128	10,19348	8,104881	8,286497	7,5193696	6,0716906	5,7544765
6,2046415	up	noncoding	NR_040093	9,616442	8,918297	9,627307	10,548128	10,19348	8,104881	8,286497	7,5193696	6,0716906	5,7544765
6,2046415	up	noncoding	NR_040093	9,616442	8,918297	9,627307	10,548128	10,19348	8,104881	8,286497	7,5193696	6,0716906	5,7544765
3,1771513	up	noncoding	NR_033818	11,78195	10,957555	11,343381	11,219982	12,416441	9,984627	9,907517	9,732104	9,909929	9,846463
3,1771513	up	noncoding	NR_033818	11,78195	10,957555	11,343381	11,219982	12,416441	9,984627	9,907517	9,732104	9,909929	9,846463
3,1771513	up	noncoding	NR_033818	11,78195	10,957555	11,343381	11,219982	12,416441	9,984627	9,907517	9,732104	9,909929	9,846463
4,0211313	up	noncoding	uc004aaz.2	8,228244	8,254614	8,282801	7,9567327	8,369833	6,1044736	6,0078783	6,276577	6,4098525	6,255436
2,4148477	up	noncoding	ENST00000452402	7,2419515	6,837347	7,28044	7,2176833	7,948606	5,9144635	6,019048	5,976713	5,8930864	6,363056
3,5192362	up	noncoding	NR_040252	6,874412	7,0771956	7,0903068	6,3056617	7,234766	4,736952	5,008552	5,291583	4,9914284	5,477515
3,5192362	up	noncoding	NR_040252	6,874412	7,0771956	7,0903068	6,3056617	7,234766	4,736952	5,008552	5,291583	4,9914284	5,477515
3,5192362	up	noncoding	NR_040252	6,874412	7,0771956	7,0903068	6,3056617	7,234766	4,736952	5,008552	5,291583	4,9914284	5,477515
2,6068897	up	noncoding	ENST00000500929	8,544028	8,312869	8,487019	7,9068227	8,719255	6,804279	6,8450084	6,8789005	7,6544523	6,8757057
2,6068897	up	noncoding	ENST00000500929	8,544028	8,312869	8,487019	7,9068227	8,719255	6,804279	6,8450084	6,8789005	7,6544523	6,8757057
2,0123197	up	noncoding	ENST00000427259	8,550036	8,97163	8,612041	7,733097	8,242968	7,4450307	7,523782	7,499169	7,1618633	7,4356294
10,9882794	up	noncoding	TCONS_00008492	6,98874	5,679618	6,754795	6,3926997	7,724262	2,3802912	4,003745	3,5396523	3,1265264	3,2004318
2,8834525	up	noncoding	ENST00000548361	6,4665422	6,3578568	6,2026744	5,70653	6,1769986	4,7789826	4,9920034	5,2984962	3,3484151	4,8537183
2,0987483	up	noncoding	TCONS_00007270	7,39215	7,007202	7,4808726	7,7599506	8,125127	6,4178257	6,5790544	6,4938493	6,400314	6,526613
10,3363182	up	noncoding	NR_046467	7,4783387	6,625048	7,4085765	7,4935946	8,228925	3,534594	4,1749444	4,5807323	3,9091747	4,186785
3,6076809	up	noncoding	ENST00000534587	6,905945	6,2449994	6,683955	7,8667755	7,450223	5,9759274	5,5434666	4,9403214	4,9240794	4,5127444
5,5992739	up	noncoding	TCONS_00006333	5,2575426	5,0332193	4,801362	5,0164905	5,388889	3,3255544	2,402045	2,3715568	2,3702428	2,6019056
4,2593725	up	noncoding	ENST00000412242	6,239039	6,6133127	6,2387238	4,494281	5,722457	2,8882213	4,6832743	3,925692	3,4049852	3,9524362
4,2593725	up	noncoding	ENST00000412242	6,239039	6,6133127	6,2387238	4,494281	5,722457	2,8882213	4,6832743	3,925692	3,4049852	3,9524362
2,1657059	up	noncoding	ENST00000444301	8,415135	8,06157	8,201343	8,66451	8,826365	7,505212	7,28894	7,0540967	7,6186266	7,127861
2,2766337	up	noncoding	TCONS_00014987	13,21367	12,77831	13,210712	13,976384	13,617724	12,621604	12,569866	11,82538	12,346889	11,49855
3,6875925	up	noncoding	TCONS_00003844	5,294442	4,556755	5,3218184	5,299012	5,9391093	2,3684735	3,5452406	3,8044631	3,3941023	3,885461
2,4240958	up	noncoding	NR_047574	7,6690135	7,515193	7,3776183	7,422797	7,687873	6,25039	6,494256	6,3714905	6,0434117	6,125713
2,4240958	up	noncoding	NR_047574	7,6690135	7,515193	7,3776183	7,422797	7,687873	6,25039	6,494256	6,3714905	6,0434117	6,125713
2,4240958	up	noncoding	NR_047574	7,6690135	7,515193	7,3776183	7,422797	7,687873	6,25039	6,494256	6,3714905	6,0434117	6,125713
2,4240958	up	noncoding	NR_047574	7,6690135	7,515193	7,3776183	7,422797	7,687873	6,25039	6,494256	6,3714905	6,0434117	6,125713
5,7628478	up	noncoding	ENST00000503611	7,7931786	7,792632	7,777258	7,4431043	7,81671	4,9341936	5,391134	5,11123	5,005803	5,5466127
5,7628478	up	noncoding	ENST00000503611	7,7931786	7,792632	7,777258	7,4431043	7,81671	4,9341936	5,391134	5,11123	5,005803	5,5466127
3,6022375	up	noncoding	AW063401	7,1581106	5,955301	6,385844	6,9378886	7,272805	4,885794	4,8890295	5,0738893	5,0427675	4,5740023
3,3180805	up	noncoding	TCONS_00014179	12,43738	11,410991	12,229638	12,1540785	13,163405	10,599358	10,432401	10,209186	10,953114	10,549689
2,057516	up	noncoding	AW631458	8,38031	9,125683	8,484275	7,026924	6,9554906	7,256029	7,06994	7,009112	6,643641	6,7894425
2,2402371	up	noncoding	ENST00000541797	6,055112	5,0423574	6,0347276	6,3391848	6,974771	4,7741756	4,3537354	4,181592	6,349986	4,9684067
9,9109584	up	noncoding	ENST00000437593	7,698905	7,7928734	7,7467103	7,38209	8,027813	5,0989285	5,2921696	4,727008	3,159532	3,8256307
9,9109584	up	noncoding	ENST00000437593	7,698905	7,7928734	7,7467103	7,38209	8,027813	5,0989285	5,2921696	4,727008	3,159532	3,8256307
9,9109584	up	noncoding	ENST00000437593	7,698905	7,7928734	7,7467103	7,38209	8,027813	5,0989285	5,2921696	4,727008	3,159532	3,8256307
2,7472581	up	noncoding	HMlincRNA133-	7,25177	6,6958494	7,196339	7,278292	7,9162617	5,741055	5,8634987	5,894972	5,805294	5,74373
5,0889579	up	noncoding	ENST00000503580	6,0476565	5,243276	5,741055	5,8687105	6,7827597	4,3112817	3,4745395	3,3362832	3,5988817	3,2256203
3,1147398	up	noncoding	ENST00000560912	7,6027308	7,133573	7,4684925	7,4038095	7,9366302	6,031177	5,688178	5,9275217	5,782161	5,92064
2,3879178	up	noncoding	ENST00000530264	7,6459594	6,848769	7,6054163	7,6858277	8,300509	6,649116	6,821225	6,578557	5,688806	6,0700116
2,3264755	up	noncoding	ENST00000532168	7,4532776	7,688549	7,492851	6,640924	7,2483606	6,260356	6,348704	6,372217	5,3220897	6,1298656
2,5604452	up	noncoding	ENST00000529325	5,8048153	5,3130956	5,941505	5,781141	6,159316	4,3233533	4,739436	4,628484	4,051994	4,4746323
76,0107329	up	noncoding	uc002lfu.1	10,885388	10,80696	10,8489275	10,818792	11,238754	4,7463045	4,840124	4,6206408	5,168769	3,982327
2,2116701	up	noncoding	uc001bcf.1	10,344069	10,315283	10,351872	10,00955	10,472733	9,166871	9,277231	9,191957	8,950821	9,180946
2,2116701	up	noncoding	uc001bcf.1	10,344069	10,315283	10,351872	10,00955	10,472733	9,166871	9,277231	9,191957	8,950821	9,180946
2,4554962	up	noncoding	ENST00000573222	9,405584	9,475123	9,467832	9,035335	9,487456	8,108793	8,131683	8,165932	7,725716	8,259133
2,4554962	up	noncoding	ENST00000573222	9,405584	9,475123	9,467832	9,035335	9,487456	8,108793	8,131683	8,165932	7,725716	8,259133
3,5481977	up	noncoding	AA164863	6,435914	5,6714826	5,9913664	6,396245	6,917204	4,561321	4,290111	4,448418	4,559019	4,417911
4,1114578	up	noncoding	TCONS_00006268	6,401477	4,949896	5,614098	5,461691	6,1435943	2,505471	4,3279204	3,7176938	3,603355	4,218066
2,3154652	up	noncoding	ENST00000440031	7,9706984	8,041421	7,988083	7,4480305	8,08412	6,8134656	6,8337274	6,87987	6,2370033	6,7117763
4,0007892	up	noncoding	ENST00000572930	10,3605175	9,761744	10,431802	9,8920145	10,834518	8,319708	8,256755	8,275202	8,178452	8,249056
2,6378518	up	noncoding	ENST00000577853	8,484789	8,663289	8,591984	8,1043625	8,535787	6,8176484	7,7335835	7,02335	6,678323	7,130489
2,6378518	up	noncoding	ENST00000577853	8,484789	8,663289	8,591984	8,1043625	8,535787	6,8176484	7,7335835	7,02335	6,678323	7,130489
5,9065283	up	noncoding	TCONS_00008000	12,763417	11,5887785	12,854359	13,00462	13,486713	10,210755	10,014162	9,828359	10,7207365	10,112323
2,1153131	up	noncoding	TCONS_00028426	5,7490845	5,5649858	5,7492065	6,8142014	6,136793	5,105323	5,1242537	4,7559843	6,0262184	3,5981357
2,2534664	up	noncoding	ENST00000440887	6,066541	5,734137	5,899777	5,83255	6,3181067	4,7511115	4,748371	5,050309	5,049955	4,3906355
2,6412185	up	noncoding	ENST00000435311	4,9565105	4,776887	4,432231	4,7109957	4,8901315	3,6314313	3,5068386	3,2433064	3,6906052	2,688556
2,5107617	up	noncoding	NR_004846	5,005659	4,29762	4,835152	4,458444	4,8878856	2,9730139	2,402045	3,6707542	4,160515	3,6378071
5,0948949	up	noncoding	ENST00000567753	7,0684013	6,7970104	7,0840673	7,0041237	7,3653126	4,21564	7,0497494	4,3643613	3,685332	4,2585707
4,7196586	up	noncoding	ENST00000458733	7,84893	7,630211	7,8224726	7,6057773	8,230388	5,43822	5,402255	5,719491	5,8870387	5,4973617
6,4568559	up	noncoding	ENST00000535939	5,764956	5,964131	6,0738907	4,972239	6,274328	2,368063	3,3164735	3,5050955	2,7731488	3,6326048
2,7609345	up	noncoding	ENST00000556073	8,63673	7,8722963	8,581538	8,547834	9,390112	7,3357983	7,286502	7,0402126	6,98103	7,059184
2,165699	up	noncoding	ENST00000567082	4,895572	4,523381	4,259892	5,114752	4,418636	2,6272979	4,0710363	3,2298155	3,8455446	3,864375

2,4467484	up	noncoding	NR_072998	8,106516	7,784741	8,155888	8,062832	8,450918	7,890369	6,3922753	6,6924305	6,2831235	6,848368
2,4467484	up	noncoding	NR_072998	8,106516	7,784741	8,155888	8,062832	8,450918	7,890369	6,3922753	6,6924305	6,2831235	6,848368
2,4467484	up	noncoding	NR_072998	8,106516	7,784741	8,155888	8,062832	8,450918	7,890369	6,3922753	6,6924305	6,2831235	6,848368
2,4467484	up	noncoding	NR_072998	8,106516	7,784741	8,155888	8,062832	8,450918	7,890369	6,3922753	6,6924305	6,2831235	6,848368
2,4467484	up	noncoding	NR_072998	8,106516	7,784741	8,155888	8,062832	8,450918	7,890369	6,3922753	6,6924305	6,2831235	6,848368
4,4858897	up	noncoding	ENST00000428083	6,3633447	5,9932203	6,1140018	6,2123947	6,6959753	3,013883	4,0115075	4,440803	4,334386	4,7513866
2,798496	up	noncoding	ENST00000430640	5,161721	4,5651455	4,7633076	5,727423	5,315498	3,8139973	3,9701285	3,317203	3,8171475	3,1913605
3,6489489	up	noncoding	TCONS_00018403	5,164181	4,11281	4,5740023	4,802466	7,0139747	2,4983535	3,950415	2,871391	3,7092788	3,300591
2,4244666	up	noncoding	NR_024277	9,613807	8,845002	9,571653	9,96154	10,207655	8,289032	8,359242	8,447326	8,223668	8,492052
2,4607126	up	noncoding	ENST00000581745	6,8803854	6,356329	6,40622	6,822873	6,9639626	5,2422614	5,5245156	5,5879097	5,561433	5,0182695
4,5840984	up	noncoding	TCONS_00014180	12,793883	12,146279	12,527584	12,442669	13,265368	10,490427	10,387805	10,11666	10,838609	10,359092
2,4390724	up	noncoding	ENST00000508827	4,977192	5,0626707	4,8400545	4,4503345	4,9212937	3,7990272	3,514745	3,69805	3,5186384	3,289422
2,4390724	up	noncoding	ENST00000508827	4,977192	5,0626707	4,8400545	4,4503345	4,9212937	3,7990272	3,514745	3,69805	3,5186384	3,289422
2,3794806	up	noncoding	ENST00000432818	8,966051	8,517415	8,917407	9,027705	9,38952	7,8444276	7,7468843	7,783577	7,507264	7,6827116
2,1053359	up	noncoding	uc002sla.3	9,989176	9,853422	9,987833	10,141952	10,162876	8,790158	8,966402	8,894406	9,245188	8,868853
2,769399	up	noncoding	NR_046551	6,0877604	6,202177	5,788116	5,422139	5,7928324	3,780994	4,6831365	4,2624493	5,0966053	4,121975
10,9373445	up	noncoding	uc001llv.1	7,1496353	6,5251803	6,909253	7,1413913	7,470674	2,9343166	4,06037	4,538826	2,783904	3,6227643
5,0925115	up	noncoding	ENST00000433329	8,76905	9,549995	8,651314	6,290365	6,137682	4,8061824	5,5146933	5,652465	5,948939	5,7342396
2,0025469	up	noncoding	ENST00000456623	10,587748	10,060075	10,789502	10,816903	10,905354	9,930177	9,815481	9,588244	9,109259	9,707241
2,4804746	up	noncoding	ENST00000507241	10,223811	10,296328	10,329006	10,225507	10,380241	9,094956	9,184369	9,053915	8,539082	9,02949
6,5164248	up	noncoding	NR_024607	8,808354	7,9419026	8,688196	8,952366	9,373525	5,8788166	6,0787187	6,236618	6,169283	5,880504
4,3821257	up	noncoding	ENST00000420759	6,817266	6,9352407	6,9190598	6,839098	6,99407	5,385759	5,0039134	4,926982	4,1923504	4,3375754
2,0205822	up	noncoding	ENST00000453023	4,1334934	4,032179	4,5733733	4,913299	4,9750886	2,3680534	3,5531232	3,9537997	4,0874233	3,5911784
2,3506546	up	noncoding	NR_046443	6,7381063	6,7096844	6,787977	5,7786536	6,7094803	5,225217	5,1928487	5,5261197	4,918396	5,6960073
2,3506546	up	noncoding	NR_046443	6,7381063	6,7096844	6,787977	5,7786536	6,7094803	5,225217	5,1928487	5,5261197	4,918396	5,6960073
2,3506546	up	noncoding	NR_046443	6,7381063	6,7096844	6,787977	5,7786536	6,7094803	5,225217	5,1928487	5,5261197	4,918396	5,6960073
2,3506546	up	noncoding	NR_046443	6,7381063	6,7096844	6,787977	5,7786536	6,7094803	5,225217	5,1928487	5,5261197	4,918396	5,6960073
5,365184	up	noncoding	ENST00000580684	8,038988	6,580745	7,9459405	8,404269	8,787535	5,298937	5,7646976	5,3539867	5,415276	5,806442
5,2560005	up	noncoding	TCONS_00028197	12,626939	11,946074	12,482335	13,242085	13,325184	10,322884	10,342663	10,161451	10,81163	10,014162
7,3932917	up	noncoding	ENST00000425214	8,322327	8,454945	8,370036	7,794053	8,409023	5,8542013	6,052549	5,727289	4,5763745	4,708886
13,5456066	up	noncoding	TCONS_00024783	7,253259	6,6880035	7,1867805	7,1077647	7,850953	2,438942	2,7539635	4,086348	4,530022	3,4787197
2,813933	up	noncoding	NR_045697	5,5222187	4,85719	5,704126	5,803062	5,61862	3,9164224	4,940408	4,3547454	2,999436	3,831265
3,9372494	up	noncoding	TCONS_00006331	5,7469277	5,8752537	5,970304	5,280345	5,982048	2,3681753	4,338924	4,407324	4,74424	3,1102746
43,7982056	up	noncoding	ENST00000562705	7,999053	6,982659	7,96618	8,034164	8,761056	2,3678246	2,402045	2,7230039	2,3827944	2,6034448
2,2023277	up	noncoding	ENST00000507299	8,1075115	7,6592097	8,209784	8,491119	8,519373	6,786198	7,003075	6,7829285	7,327686	7,391964
3,6126149	up	noncoding	ENST00000447028	9,66359	9,988107	9,757657	9,096395	9,504659	7,7146573	7,6243315	7,4659395	8,510603	7,4296594
2,7166049	up	noncoding	ENST00000394183	5,0292435	4,7789826	4,295691	4,135227	4,7542253	3,4156716	3,2644057	2,4141026	2,3702428	4,319923
3,9347799	up	noncoding	ENST00000425674	9,183544	9,157544	9,271018	9,843162	9,365669	7,10022	7,133573	7,058796	9,065294	6,5816393
3,9347799	up	noncoding	ENST00000425674	9,183544	9,157544	9,271018	9,843162	9,365669	7,10022	7,133573	7,058796	9,065294	6,5816393
9,1317133	up	noncoding	ENST00000447950	6,738875	6,1415944	6,6145177	6,402522	7,096948	3,5891793	3,607569	4,4117365	2,3702428	3,0613017
5,8549782	up	noncoding	ENST00000409590	11,661947	12,235734	11,81429	10,394762	10,9712	8,797325	8,708411	8,305498	10,179353	8,339027
2,903683	up	noncoding	ENST00000522197	6,176582	6,066898	6,2201643	5,9082003	6,585215	4,375173	5,164425	4,638303	4,385516	4,7042227
2,043166	up	noncoding	ENST00000570712	8,67101	8,457947	8,614527	8,565971	9,038322	7,515303	7,773433	7,7454047	7,3727055	7,7868986
3,0534167	up	noncoding	ENST00000422521	6,3766236	6,7683697	6,41555	5,7529187	6,1626263	4,7980595	4,054279	5,048314	4,69992	4,8233933
16,0491375	up	noncoding	ENST00000443593	9,16513	8,216802	9,138118	9,358145	9,7460575	4,8079805	5,134058	5,7414064	4,9394116	4,9792767
8,2590927	up	noncoding	ENST00000565938	5,4716935	4,653349	5,291297	5,421138	6,2825313	2,3736827	2,402045	2,3715568	2,3702428	2,372565
3,0766525	up	noncoding	ENST00000444388	9,953958	8,884892	9,223119	8,9059	10,370653	8,481022	8,421319	8,281406	5,5839224	8,464045
10,9307462	up	noncoding	ENST00000451100	6,028466	5,147611	5,9553714	5,5770226	6,455263	2,3674722	2,402045	2,3998091	2,3702428	2,372565
3,2792265	up	noncoding	ENST00000548475	6,1697593	6,378056	5,954212	5,3994093	5,951011	4,128053	3,8596625	4,332924	4,6501884	4,314842
3,1815894	up	noncoding	ENST00000504766	4,5440745	4,5232596	4,8521686	4,6252427	5,5947237	3,6369023	3,0372396	2,9725044	2,74759	3,3964946
6,0079451	up	noncoding	ENST00000575148	9,436313	9,083559	9,354929	9,582518	9,909929	6,6847982	7,103903	7,022555	6,900315	6,7213187
4,2372396	up	noncoding	TCONS_00022761	12,293886	11,792466	11,79995	13,163405	12,4268875	10,212904	10,191224	9,85866	10,979404	9,818779
2,2586834	up	noncoding	BU753580	5,777689	5,3890233	5,5571065	5,7414064	5,625307	4,494061	5,063413	4,232752	4,1597996	4,2630963
6,7005712	up	noncoding	uc003qmb.3	8,835168	9,02744	8,792915	8,017162	8,625785	6,433962	6,0554757	5,9140105	5,509949	5,6636524
6,7005712	up	noncoding	uc003qmb.3	8,835168	9,02744	8,792915	8,017162	8,625785	6,433962	6,0554757	5,9140105	5,509949	5,6636524
2,1498747	up	noncoding	ENST00000554257	5,5073853	5,3252897	5,4174523	5,597805	5,6554284	3,9537997	4,738184	4,1986837	4,564468	4,5269623
9,1075104	up	noncoding	uc002ukl.1	10,183851	9,932619	10,20255	10,155112	10,634058	7,1711383	7,0012116	7,0018244	6,915998	7,082734
4,0437819	up	noncoding	NR_037177	5,546513	4,309335	5,5077834	5,2003245	6,1397676	2,3700736	3,608326	3,168704	3,2634149	4,214679
4,8553385	up	noncoding	TCONS_00001243	5,044468	4,280868	5,107479	4,896474	5,7948756	2,372976	2,402045	2,7492774	3,4593694	2,7426374
2,8407598	up	noncoding	ENST00000442213	6,074109	6,1088295	6,158643	5,788918	6,146317	4,625057	4,9479375	4,69596	4,292841	4,1836367
5,6571201	up	noncoding	TCONS_00021988	9,421638	8,76148	9,342587	9,437219	9,618213	7,2160535	7,580935	6,913438	6,1404815	6,22989
14,3533045	up	noncoding	ENST00000427020	6,91515	6,7392044	6,911083	6,8427896	7,359215	2,3731537	4,1186347	3,1338484	3,1792555	2,7459946
3,5962643	up	noncoding	ENST00000558671	6,5994825	6,3032713	6,596057	6,6185713	7,085406	4,4357395	4,9700727	5,055932	5,1046596	4,403889
3,5977816	up	noncoding	ENST00000452399	11,73793	11,661947	11,745885	11,540537	11,738516	10,075823	10,131305	9,993198	9,206471	9,78248
2,6413055	up	noncoding	ENST00000399966	5,8471084	5,7355075	5,765198	5,5146933	6,02321	4,2469425	4,588624	4,3114595	4,4440994	4,288336
14,0570216	up	noncoding	TCONS_00011943	10,59061	10,635747	10,574749	10,2197	10,752964	6,7126465	6,7984843	6,876348	6,681159	6,639037
2,3898054	up	noncoding	NR_002196	7,7599506	7,0152926	7,7075024	8,207163	8,438143	6,549266	6,729807	6,123768	7,149495	6,2912498
2,1232228	up	noncoding	ENST00000524312	4,7233076	4,3720193	4,9789295	5,3723326	4,7228174	2,372799	3,8277516	4,2172766	4,111118	4,2091823
2,5635924	up	noncoding	ENST00000577938	5,6922393	5,434629	5,4823017	4,9349995	5,6580653	2,8584356	4,6427965	4,6378675	3,8206367	4,451664
2,4410108	up	noncoding	ENST00000546959	7,6643205	7,560342	7,39065	7,515786	7,752658	6,49893	6,4997454	6,43489	5,8970957	6,115702

13,4093476	up	noncoding	ENST00000547779	6,688796	6,779822	6,6372404	6,189778	6,731264	2,3679662	3,4876947	2,5149405	3,5578983	2,372565
5,2176936	up	noncoding	ENST00000539135	9,840282	9,347687	9,7931385	10,026291	10,447201	7,5852995	7,71653	7,6611505	7,020559	7,5539994
8,3679285	up	noncoding	ENST00000417460	9,784279	9,231556	9,737682	10,004317	10,443847	7,0160346	6,8313775	6,8686957	6,5651636	6,596057
2,6891658	up	noncoding	NR_027302	6,6822624	6,562348	6,684896	6,2197385	6,9890385	5,1032214	5,561105	5,163087	4,9330325	5,242044
2,5258667	up	noncoding	ENST00000532510	7,3123646	7,081871	7,24692	7,022555	7,856962	5,627644	7,0317736	5,901737	5,396536	5,8790894
2,1811067	up	noncoding	ENST00000512129	6,9522133	6,9098234	6,99407	6,880858	7,3114657	5,491231	5,80656	5,7680764	6,169016	6,1882453
2,3799973	up	noncoding	ENST00000449386	6,948387	6,368458	6,8016825	6,8621516	7,42207	5,668341	5,8388147	5,7951193	5,127119	5,7185555
3,559809	up	noncoding	ENST00000583712	9,757657	9,094223	9,407742	9,456993	10,302162	7,971476	7,9857306	7,8639407	7,487507	7,5511236
6,2347576	up	noncoding	ENST00000451884	8,101105	8,526195	8,123592	7,3565598	7,9638057	4,9743395	5,7262216	5,5418415	4,9267616	5,700426
3,2115786	up	noncoding	ENST00000558687	5,005092	5,3832355	5,4704995	5,4404283	5,426205	3,4407027	3,87837	3,2333593	4,015631	3,7409842
2,0841288	up	noncoding	TCONS_00016205	5,271831	5,030149	5,567998	5,327155	6,146728	3,8475072	4,734602	4,2566576	4,6657176	4,5421543
3,0455111	up	noncoding	ENST00000554328	4,619904	3,8269284	4,7825103	5,2646093	5,11315	2,3722513	3,0610974	3,299262	3,3808234	3,460246
2,6286707	up	noncoding	ENST00000566446	11,984729	12,22009	12,033503	11,826244	11,947117	10,616674	10,727469	10,689783	10,501356	10,504734
3,0821744	up	noncoding	ENST00000525424	4,939854	4,2361126	4,875982	4,268258	5,7887144	2,367433	2,8645282	3,3334527	3,584929	3,8388355
2,3820717	up	noncoding	TCONS_00025395	6,589794	5,991416	6,2898455	6,676546	7,0929317	5,3766627	5,318813	5,656272	4,7578597	5,2698417
2,3820717	up	noncoding	TCONS_00025395	6,589794	5,991416	6,2898455	6,676546	7,0929317	5,3766627	5,318813	5,656272	4,7578597	5,2698417
3,801088	up	noncoding	NR_026880	7,820768	7,9294863	7,855476	6,996728	7,94623	5,619897	5,851053	5,7467337	5,826904	5,8720384
16,8962146	up	noncoding	NR_073039	7,1838665	6,6038957	7,2231545	6,3900766	7,730263	2,3711846	2,8714797	2,9267585	2,9445307	3,624162
16,8962146	up	noncoding	NR_073039	7,1838665	6,6038957	7,2231545	6,3900766	7,730263	2,3711846	2,8714797	2,9267585	2,9445307	3,624162
16,8962146	up	noncoding	NR_073039	7,1838665	6,6038957	7,2231545	6,3900766	7,730263	2,3711846	2,8714797	2,9267585	2,9445307	3,624162
16,8962146	up	noncoding	NR_073039	7,1838665	6,6038957	7,2231545	6,3900766	7,730263	2,3711846	2,8714797	2,9267585	2,9445307	3,624162
16,8962146	up	noncoding	NR_073039	7,1838665	6,6038957	7,2231545	6,3900766	7,730263	2,3711846	2,8714797	2,9267585	2,9445307	3,624162
16,8962146	up	noncoding	NR_073039	7,1838665	6,6038957	7,2231545	6,3900766	7,730263	2,3711846	2,8714797	2,9267585	2,9445307	3,624162
2,0629536	up	noncoding	TCONS_00026325	5,6762557	5,196664	5,8694487	5,134058	6,138137	4,461184	4,516464	4,6244164	4,469742	4,7192
2,075013	up	noncoding	ENST00000449391	4,8348985	4,6753325	4,9874797	4,4935813	4,9729652	3,534821	3,7551746	4,750414	2,3702428	4,288003
2,5574755	up	noncoding	ENST00000455503	7,166412	6,8585305	7,0937257	7,246743	7,5523844	5,962907	5,828934	6,458708	5,8033705	5,090274
2,5574755	up	noncoding	ENST00000455503	7,166412	6,8585305	7,0937257	7,246743	7,5523844	5,962907	5,828934	6,458708	5,8033705	5,090274
2,509964	up	noncoding	uc003olu.3	7,22561	7,168872	7,1064916	7,2067275	7,4881916	6,138507	6,1297274	5,9993343	5,3672247	5,922766
2,6650544	up	noncoding	ENST00000446695	5,2506003	5,0465655	5,5062556	5,07253	5,573432	2,3683686	4,187923	4,260039	4,58798	3,974248
12,3464899	up	noncoding	ENST00000425837	7,022272	6,368712	6,577614	6,531992	7,311853	2,399146	3,8711731	3,5247047	2,7985642	3,0887098
11,0040435	up	noncoding	uc002tte.3	6,1961746	6,322501	6,280325	5,3834896	6,134323	2,3688002	2,402045	2,3715568	3,502037	2,372565
4,7304467	up	noncoding	ENST00000565518	7,393556	7,07463	7,4132648	7,2433257	7,9330363	4,3162603	5,8714724	5,227216	5,3060904	5,1268916
4,7304467	up	noncoding	ENST00000565518	7,393556	7,07463	7,4132648	7,2433257	7,9330363	4,3162603	5,8714724	5,227216	5,3060904	5,1268916
2,63476	up	noncoding	ENST00000454060	5,4377737	5,1544175	5,3172817	5,388889	5,4530625	3,703744	4,3301983	4,271116	3,3062642	4,151744
7,4037866	up	noncoding	ENST00000525656	10,054638	9,620445	9,952835	9,442785	10,269514	7,00603	7,0041237	6,8708806	6,9927015	7,0251646
3,6437169	up	noncoding	ENST00000565543	5,591457	5,3419027	5,019648	5,235181	5,629525	3,5747845	3,2756877	4,389299	2,3702428	3,8806453
2,7568132	up	noncoding	ENST00000560866	5,9776926	6,429506	6,0791264	4,8436093	5,513892	4,390898	4,6070156	4,5205846	4,016541	3,9937794
7,8148427	up	noncoding	NR_046175	7,612386	6,955643	7,6443696	7,787167	8,2338295	4,470454	4,301481	4,552939	5,1294994	4,9479375
8,545324	up	noncoding	ENST00000563449	11,282796	10,647381	11,251137	11,597877	11,812674	8,375245	8,448783	8,369463	7,553235	8,369463
8,545324	up	noncoding	ENST00000563449	11,282796	10,647381	11,251137	11,597877	11,812674	8,375245	8,448783	8,369463	7,553235	8,369463
8,545324	up	noncoding	ENST00000563449	11,282796	10,647381	11,251137	11,597877	11,812674	8,375245	8,448783	8,369463	7,553235	8,369463
2,1333293	up	noncoding	ENST00000414640	7,4671583	6,552661	7,200486	7,7908974	8,144521	6,336189	6,497617	6,482611	6,106671	6,2671022
5,9674741	up	noncoding	ENST00000445646	8,851237	8,967343	8,887825	8,324405	8,888019	6,362279	6,0126367	6,1697593	6,127959	6,360593
5,4642537	up	noncoding	ENST00000452120	10,045054	7,897062	9,918657	10,485562	10,989163	7,1569858	7,324058	7,563632	7,3229923	7,7177076
3,3088297	up	noncoding	TCONS_00020555	8,445051	8,6524725	8,449948	8,089348	8,480173	6,713551	6,8149796	6,861562	6,329929	6,7653656
3,7827111	up	noncoding	uc003dwh.1	6,707183	6,5877357	6,784865	6,4484763	7,1468315	4,900625	5,1289105	4,997802	4,244249	4,806402
2,4975298	up	noncoding	uc003azp.1	8,466459	8,593592	8,452146	8,084972	8,4775305	7,1915474	7,379386	7,1177325	6,8761215	6,9074025
5,2831426	up	noncoding	ENST00000563724	6,6443653	6,087881	6,6633825	6,5607324	7,206344	5,200956	4,319792	3,8991547	3,6648698	4,070951
6,557877	up	noncoding	uc002zkv.3	8,528856	8,694615	8,504574	7,7442346	8,399708	4,89043	5,578224	5,423098	6,319484	6,0946074
4,1872176	up	noncoding	NR_038426	8,464045	8,67186	8,577963	8,330962	8,653621	6,270856	6,6932826	6,830011	6,094298	6,480044
2,1497995	up	noncoding	TCONS_00004873	7,7587733	6,8928795	7,313094	7,8093667	8,27671	6,8758793	6,608898	6,8171463	5,465423	6,7624664
3,203727	up	noncoding	TCONS_00006092	10,891411	9,996508	10,784967	11,000779	11,587781	9,217523	9,097962	8,889834	9,676904	8,980467
2,2937124	up	noncoding	ENST00000517509	8,287145	7,84087	8,131146	8,265182	8,696261	7,061706	7,101797	7,057683	6,93505	7,0759454
2,462654	up	noncoding	TCONS_00016774	8,623236	7,880355	8,389648	8,004353	9,121207	7,0742264	7,2794123	7,0869393	6,9641666	7,1129847
3,796617	up	noncoding	uc.113+	6,9944677	6,1478634	7,0215173	6,411578	7,184232	4,609423	5,092064	4,921683	4,993666	4,51925
2,1983268	up	noncoding	uc001fcp.3	7,0898676	7,1355834	6,9936676	6,2253265	6,9317985	6,105658	5,7231717	5,6517305	5,513892	5,699762
2,1983268	up	noncoding	uc001fcp.3	7,0898676	7,1355834	6,9936676	6,2253265	6,9317985	6,105658	5,7231717	5,6517305	5,513892	5,699762
2,1983268	up	noncoding	uc001fcp.3	7,0898676	7,1355834	6,9936676	6,2253265	6,9317985	6,105658	5,7231717	5,6517305	5,513892	5,699762
3,7016144	up	noncoding	NR_040050	11,042346	10,888269	10,919367	9,968105	11,798964	9,068442	9,012258	8,793434	9,512522	8,789622
2,5452561	up	noncoding	NR_030717	9,017711	8,699532	9,133831	9,261574	8,922787	7,761881	7,9767995	7,672736	6,976883	7,9080815
4,4556653	up	noncoding	TCONS_00016406	6,8497276	5,729786	6,6907024	6,9228992	7,891894	4,031571	3,016905	3,7316248	7,775495	4,751209
7,8796214	up	noncoding	BF357088	6,1292944	4,2841854	6,004734	6,0650125	6,953915	2,3677306	2,402045	3,3990483	2,7863133	3,5913725
2,1203298	up	noncoding	NR_038921	6,895398	7,089098	7,008953	6,639747	7,0176406	5,8270183	6,065443	6,0845323	5,33727	5,9151297
3,4372055	up	noncoding	ENST00000491562	12,8700695	12,135555	12,633616	13,438227	13,42729	11,78974	11,55622	10,707299	11,244424	10,300894
7,3221362	up	noncoding	NR_015395	12,330007	12,067664	12,3173485	12,333612	12,6763735	9,614172	9,722178	9,474395	9,326982	9,225955
12,3512131	up	noncoding	TCONS_00003565	11,959074	10,511344	11,566643	11,119427	12,917383	7,995227	7,8464103	7,721092	8,431185	7,9470525
3,2773337	up	noncoding	ENST00000427048	7,2749248	6,662931	7,0944176	7,119876	7,651993	5,6762557	5,4662538	5,6402063	5,037417	5,4213967
3,257729	up	noncoding	TCONS_00011997	10,302861	10,210755	9,657725	8,863776	9,346747	7,5787077	7,8229933	7,665292	8,81048	7,985058
3,0267941	up	noncoding	NR_046201	7,3779182	7,740198	7,4182754	7,137376	7,4532776	5,7290215	5,839943	5,9729977	5,679112	5,9170184
3,0267941	up	noncoding	NR_046201	7,3779182	7,740198	7,4182754	7,137376	7,4532776	5,7290215	5,839943	5,9729977	5,679112	5,9170184

3,1684347	up	noncoding	NR_027459	4,635828	4,629799	4,896474	5,395107	4,9981523	3,4856634	2,937492	3,7339618	2,3702428	3,709149
3,1684347	up	noncoding	NR_027459	4,635828	4,629799	4,896474	5,395107	4,9981523	3,4856634	2,937492	3,7339618	2,3702428	3,709149
3,1684347	up	noncoding	NR_027459	4,635828	4,629799	4,896474	5,395107	4,9981523	3,4856634	2,937492	3,7339618	2,3702428	3,709149
3,1684347	up	noncoding	NR_027459	4,635828	4,629799	4,896474	5,395107	4,9981523	3,4856634	2,937492	3,7339618	2,3702428	3,709149
3,1684347	up	noncoding	NR_027459	4,635828	4,629799	4,896474	5,395107	4,9981523	3,4856634	2,937492	3,7339618	2,3702428	3,709149
3,9931742	up	noncoding	ENST00000550042	5,3323784	4,892084	5,2927237	5,033618	5,744484	4,002891	3,09987	3,8973525	2,6275165	2,679978
4,0185818	up	noncoding	ENST00000456917	6,864134	7,0942955	6,7710795	5,7527666	6,729807	4,490718	4,682175	4,7528934	4,7617083	4,4911556
91,1218113	up	noncoding	ENST00000530430	10,113489	9,140007	10,126504	10,362423	10,844879	3,7000248	4,0615544	3,851428	2,969288	3,4563842
6,5266766	up	noncoding	ENST00000447019	9,664944	9,258419	9,228226	9,223984	10,243457	6,807372	7,0220613	6,465834	6,5631943	7,2288256
2,789728	up	noncoding	uc001imr.1	7,808496	8,176693	7,7004166	7,2409554	7,4515467	6,2096057	6,620801	6,418881	5,6377373	6,0904603
149,2830172	up	noncoding	NR_033997	10,577849	10,370653	10,552741	10,391652	10,690973	3,180477	2,8507931	3,3274293	3,4728134	3,642824
6,7655199	up	noncoding	ENST00000511728	15,288168	14,4057865	15,13483	15,0215	15,758141	12,5800495	12,328408	12,243072	12,05778	12,608112
4,1590091	up	noncoding	NR_027309	5,8914766	5,611935	5,7875524	5,7102327	6,339486	2,3676531	4,3139753	4,815193	3,4690099	4,0936522
2,6198263	up	noncoding	ENST00000423984	6,979965	6,78558	6,886379	6,606682	7,5178432	5,096475	5,370617	5,767255	5,5275984	6,067148
2,6198263	up	noncoding	ENST00000423984	6,979965	6,78558	6,886379	6,606682	7,5178432	5,096475	5,370617	5,767255	5,5275984	6,067148
12,1046599	up	noncoding	ENST00000562669	6,7711973	6,4471073	6,7390857	6,362279	7,263702	2,3684845	3,5303335	3,425492	2,8559365	3,4156716
3,7349643	up	noncoding	ENST00000443770	8,908944	9,169982	8,79911	8,166604	8,5054	6,3220587	6,633035	6,555749	7,949053	6,584672
2,0363923	up	noncoding	NR_003051	9,284136	9,66264	9,383089	8,584393	8,738768	8,279426	8,29387	8,172001	7,6564164	8,121235
2,0363923	up	noncoding	NR_003051	9,284136	9,66264	9,383089	8,584393	8,738768	8,279426	8,29387	8,172001	7,6564164	8,121235
2,0363923	up	noncoding	NR_003051	9,284136	9,66264	9,383089	8,584393	8,738768	8,279426	8,29387	8,172001	7,6564164	8,121235
2,0363923	up	noncoding	NR_003051	9,284136	9,66264	9,383089	8,584393	8,738768	8,279426	8,29387	8,172001	7,6564164	8,121235
3,2460324	up	noncoding	ENST00000562178	6,4551616	5,9677916	6,336466	6,4717665	6,098431	4,607264	4,5732365	4,85085	4,0525723	4,752307
3,5305875	up	noncoding	ENST00000426775	5,9250307	5,236964	5,951399	5,99412	6,615338	3,98946	4,2452006	4,503188	4,0207763	3,8646855
3,5305875	up	noncoding	ENST00000426775	5,9250307	5,236964	5,951399	5,99412	6,615338	3,98946	4,2452006	4,503188	4,0207763	3,8646855
3,5305875	up	noncoding	ENST00000426775	5,9250307	5,236964	5,951399	5,99412	6,615338	3,98946	4,2452006	4,503188	4,0207763	3,8646855
3,3198487	up	noncoding	ENST00000539543	11,647451	11,633653	11,633653	11,414131	11,794495	10,053183	10,114952	9,942137	9,5425205	9,815003
2,6631461	up	noncoding	ENST00000513221	8,152594	7,4691133	8,010371	8,400154	8,607958	7,098791	7,289431	6,7568927	6,0888157	6,340602
2,6631461	up	noncoding	ENST00000513221	8,152594	7,4691133	8,010371	8,400154	8,607958	7,098791	7,289431	6,7568927	6,0888157	6,340602
2,6631461	up	noncoding	ENST00000513221	8,152594	7,4691133	8,010371	8,400154	8,607958	7,098791	7,289431	6,7568927	6,0888157	6,340602
2,6631461	up	noncoding	ENST00000513221	8,152594	7,4691133	8,010371	8,400154	8,607958	7,098791	7,289431	6,7568927	6,0888157	6,340602
2,6631461	up	noncoding	ENST00000513221	8,152594	7,4691133	8,010371	8,400154	8,607958	7,098791	7,289431	6,7568927	6,0888157	6,340602
2,6631461	up	noncoding	ENST00000513221	8,152594	7,4691133	8,010371	8,400154	8,607958	7,098791	7,289431	6,7568927	6,0888157	6,340602
2,6631461	up	noncoding	ENST00000513221	8,152594	7,4691133	8,010371	8,400154	8,607958	7,098791	7,289431	6,7568927	6,0888157	6,340602
2,6631461	up	noncoding	ENST00000513221	8,152594	7,4691133	8,010371	8,400154	8,607958	7,098791	7,289431	6,7568927	6,0888157	6,340602
2,6631461	up	noncoding	ENST00000513221	8,152594	7,4691133	8,010371	8,400154	8,607958	7,098791	7,289431	6,7568927	6,0888157	6,340602
31,6307456	up	noncoding	uc003ggd.1	8,984205	7,7005196	8,470091	8,315622	9,826499	2,641885	3,7175708	4,137408	4,1300673	3,7537272
3,0493373	up	noncoding	ENST00000428669	8,277695	7,8157372	8,28087	8,423523	8,893714	6,795901	6,7386255	7,0513496	6,403331	6,6598535
2,1272998	up	noncoding	NR_047677	8,884546	8,942755	8,920061	8,394048	9,055959	8,058779	8,050003	8,20677	6,1809483	8,255752
2,1272998	up	noncoding	NR_047677	8,884546	8,942755	8,920061	8,394048	9,055959	8,058779	8,050003	8,20677	6,1809483	8,255752
2,1272998	up	noncoding	NR_047677	8,884546	8,942755	8,920061	8,394048	9,055959	8,058779	8,050003	8,20677	6,1809483	8,255752
2,4036113	up	noncoding	TCONS_00013619	5,9180174	5,243663	5,879983	6,6958494	6,701682	4,5047326	4,81085	4,6807036	5,3030086	4,813882
3,9887808	up	noncoding	TCONS_00004691	4,742098	4,863031	4,7707167	4,495302	5,6172776	2,3668265	2,9371686	3,0540862	3,2326674	2,9179373
2,8351255	up	noncoding	TCONS_00001250	7,799792	7,2534227	7,635723	8,026846	8,22706	6,2662115	6,4511127	6,6605854	5,9954987	6,0523725
2,4227545	up	noncoding	NR_024283	7,9666615	8,426362	7,9794035	7,356399	7,529094	6,536964	6,81058	6,606432	6,3115106	6,6091924
5,2908218	up	noncoding	ENST00000566802	6,308829	6,5003223	6,2971077	5,2722855	6,3099833	3,0829504	3,1444628	4,268013	4,2686124	3,90703
5,1419376	up	noncoding	ENST00000582919	12,156308	10,866361	12,012867	12,327075	12,961	9,825006	9,691484	9,4803505	10,087463	9,427747
2,2284711	up	noncoding	ENST00000521483	4,81454	4,6662574	5,1090784	4,5542483	5,287878	4,4608097	3,6173897	3,5940392	2,9614134	4,018079
2,0721236	up	noncoding	ENST00000397864	4,9102917	5,0207424	4,897303	5,79888	4,9392896	4,277508	3,4791417	3,7925	4,1482177	4,613589
2,316816	up	noncoding	NR_037673	13,187901	13,014207	13,10052	12,8700695	13,389169	11,918194	11,872695	11,940807	11,884178	11,885275
2,316816	up	noncoding	NR_037673	13,187901	13,014207	13,10052	12,8700695	13,389169	11,918194	11,872695	11,940807	11,884178	11,885275
2,316816	up	noncoding	NR_037673	13,187901	13,014207	13,10052	12,8700695	13,389169	11,918194	11,872695	11,940807	11,884178	11,885275
2,316816	up	noncoding	NR_037673	13,187901	13,014207	13,10052	12,8700695	13,389169	11,918194	11,872695	11,940807	11,884178	11,885275
2,316816	up	noncoding	NR_037673	13,187901	13,014207	13,10052	12,8700695	13,389169	11,918194	11,872695	11,940807	11,884178	11,885275
2,316816	up	noncoding	NR_037673	13,187901	13,014207	13,10052	12,8700695	13,389169	11,918194	11,872695	11,940807	11,884178	11,885275
2,316816	up	noncoding	NR_037673	13,187901	13,014207	13,10052	12,8700695	13,389169	11,918194	11,872695	11,940807	11,884178	11,885275
2,316816	up	noncoding	NR_037673	13,187901	13,014207	13,10052	12,8700695	13,389169	11,918194	11,872695	11,940807	11,884178	11,885275
2,316816	up	noncoding	NR_037673	13,187901	13,014207	13,10052	12,8700695	13,389169	11,918194	11,872695	11,940807	11,884178	11,885275
11,353057	up	noncoding	NR_002727	8,335149	7,2940717	8,323451	8,627506	9,140724	4,4841876	6,0520616	4,7412944	4,3156753	4,6026382
3,1764349	up	noncoding	ENST00000520928	4,4505825	4,3520412	4,954317	4,57374	5,021705	2,3688781	2,402045	4,1141076	3,081057	3,0492558
2,3246351	up	noncoding	ENST00000447623	5,3528643	5,5207114	5,43339	5,51864	5,218854	4,7709956	4,4586773	4,775357	2,8296375	4,124771
2,3246351	up	noncoding	ENST00000447623	5,3528643	5,5207114	5,43339	5,51864	5,218854	4,7709956	4,4586773	4,775357	2,8296375	4,124771
2,3246351	up	noncoding	ENST00000447623	5,3528643	5,5207114	5,43339	5,51864	5,218854	4,7709956	4,4586773	4,775357	2,8296375	4,124771
2,624041	up	noncoding	TCONS_00029079	5,212135	5,40659	5,9349985	5,9334583	5,6157837	4,684732	4,4666944	4,1265235	4,114894	3,7511702
13,498384	up	noncoding	ENST00000523977	6,1825953	5,7340198	6,210884	5,9497304	6,730794	2,3681989	2,402045	2,3715568	2,3702428	2,522406
2,5329398	up	noncoding	ENST00000525811	6,128708	6,111663	6,0396748	5,110627	6,4146905	4,6587934	4,9399977	4,6789765	3,7846978	5,038834
2,3118057	up	noncoding	NR_045126	7,801701	7,9946995	7,8314342	7,1772943	7,604161	6,373037	6,7018833	6,682502	6,0429134	6,5638537
2,3118057	up	noncoding	NR_045126	7,801701	7,9946995	7,8314342	7,1772943	7,604161	6,373037	6,7018833	6,682502	6,0429134	6,5638537
2,3118057	up	noncoding	NR_045126	7,801701	7,9946995	7,8314342	7,1772943	7,604161	6,373037	6,7018833	6,682502	6,0429134	6,5638537

2,3118057	up	noncoding	NR_045126	7,801701	7,9946995	7,8314342	7,1772943	7,604161	6,373037	6,7018833	6,682502	6,0429134	6,5638537
2,3118057	up	noncoding	NR_045126	7,801701	7,9946995	7,8314342	7,1772943	7,604161	6,373037	6,7018833	6,682502	6,0429134	6,5638537
2,3118057	up	noncoding	NR_045126	7,801701	7,9946995	7,8314342	7,1772943	7,604161	6,373037	6,7018833	6,682502	6,0429134	6,5638537
6,4019318	up	noncoding	ENST00000418353	6,664366	7,1965823	6,784534	6,0309424	6,2460666	2,402022	3,9838367	4,5286193	4,6870403	3,9284365
5,0205293	up	noncoding	NR_073066	9,546816	9,380942	9,536448	10,327221	10,046115	7,7751436	7,7603364	7,565741	6,824678	7,2724457
5,0205293	up	noncoding	NR_073066	9,546816	9,380942	9,536448	10,327221	10,046115	7,7751436	7,7603364	7,565741	6,824678	7,2724457
5,0205293	up	noncoding	NR_073066	9,546816	9,380942	9,536448	10,327221	10,046115	7,7751436	7,7603364	7,565741	6,824678	7,2724457
5,0205293	up	noncoding	NR_073066	9,546816	9,380942	9,536448	10,327221	10,046115	7,7751436	7,7603364	7,565741	6,824678	7,2724457
5,0205293	up	noncoding	NR_073066	9,546816	9,380942	9,536448	10,327221	10,046115	7,7751436	7,7603364	7,565741	6,824678	7,2724457
3,3785373	up	noncoding	ENST00000572609	10,155661	9,678604	10,080268	10,191706	10,640544	8,538319	8,551889	8,4443	7,99355	8,436731
7,1674496	up	noncoding	ENST00000438158	8,417803	8,059069	8,288785	8,208431	8,736341	5,8067684	5,3862963	5,7433457	5,016825	5,5498943
2,670642	up	noncoding	uc002gbf.2	4,9553485	4,8994083	4,365719	4,754938	5,23071	2,5816257	3,3188887	3,2679033	3,721675	4,2300982
6,7402444	up	noncoding	ENST00000562842	9,486116	9,467521	9,611573	9,417328	9,695656	6,7266455	6,9663095	6,897267	6,869505	6,4544625
2,0461195	up	noncoding	NR_038420	6,201771	5,936423	6,3075986	6,3741403	6,4011946	4,8946414	5,487389	4,813882	5,8189874	5,0417757
2,0461195	up	noncoding	NR_038420	6,201771	5,936423	6,3075986	6,3741403	6,4011946	4,8946414	5,487389	4,813882	5,8189874	5,0417757
2,0461195	up	noncoding	NR_038420	6,201771	5,936423	6,3075986	6,3741403	6,4011946	4,8946414	5,487389	4,813882	5,8189874	5,0417757
2,0461195	up	noncoding	NR_038420	6,201771	5,936423	6,3075986	6,3741403	6,4011946	4,8946414	5,487389	4,813882	5,8189874	5,0417757
2,0461195	up	noncoding	NR_038420	6,201771	5,936423	6,3075986	6,3741403	6,4011946	4,8946414	5,487389	4,813882	5,8189874	5,0417757
2,0461195	up	noncoding	NR_038420	6,201771	5,936423	6,3075986	6,3741403	6,4011946	4,8946414	5,487389	4,813882	5,8189874	5,0417757
2,0461195	up	noncoding	NR_038420	6,201771	5,936423	6,3075986	6,3741403	6,4011946	4,8946414	5,487389	4,813882	5,8189874	5,0417757
2,0461195	up	noncoding	NR_038420	6,201771	5,936423	6,3075986	6,3741403	6,4011946	4,8946414	5,487389	4,813882	5,8189874	5,0417757
2,0828436	up	noncoding	ENST00000562807	10,000156	9,253934	9,831726	10,1095295	10,614257	9,139358	9,078352	8,879687	8,559909	8,859524
2,2509274	up	noncoding	ENST00000552634	5,042683	5,670978	5,431094	5,253372	4,922964	4,3118024	4,8437877	4,176242	4,0559983	3,080663
4,5837065	up	noncoding	ENST00000574271	8,81403	8,607064	8,784836	9,059017	9,235229	6,9537773	7,0524693	6,749282	6,460015	6,302059
4,9602018	up	noncoding	TCONS_00011222	5,7727547	5,2380466	5,886427	5,7130423	5,793789	3,850152	3,1763637	3,3762853	2,8176715	3,631593
2,1422293	up	noncoding	NR_047691	6,8870935	6,917053	6,8263073	6,3396435	7,061706	5,258697	5,6715674	6,0408473	5,7014904	5,8636365
2,1422293	up	noncoding	NR_047691	6,8870935	6,917053	6,8263073	6,3396435	7,061706	5,258697	5,6715674	6,0408473	5,7014904	5,8636365
2,1422293	up	noncoding	NR_047691	6,8870935	6,917053	6,8263073	6,3396435	7,061706	5,258697	5,6715674	6,0408473	5,7014904	5,8636365
2,1422293	up	noncoding	NR_047691	6,8870935	6,917053	6,8263073	6,3396435	7,061706	5,258697	5,6715674	6,0408473	5,7014904	5,8636365
2,0482232	up	noncoding	uc003kkf.2	8,084972	7,8000593	8,125127	8,03651	8,460565	7,243937	7,2431536	7,3676796	6,2998905	7,180708
2,1338369	up	noncoding	ENST00000421889	9,150317	8,557619	9,089838	8,591699	9,387414	8,32877	8,111068	8,089798	6,3857126	8,394289
2,707824	up	noncoding	NR_033320	5,4208984	5,007966	5,079819	5,3314185	5,6722617	2,368416	4,046915	4,1382656	4,5622864	4,2108107
5,4365194	up	noncoding	NR_028293	11,700628	11,812674	11,636009	11,209803	11,7407465	9,246249	9,364248	9,238259	8,856213	9,181475
5,4365194	up	noncoding	NR_028293	11,700628	11,812674	11,636009	11,209803	11,7407465	9,246249	9,364248	9,238259	8,856213	9,181475
5,4365194	up	noncoding	NR_028293	11,700628	11,812674	11,636009	11,209803	11,7407465	9,246249	9,364248	9,238259	8,856213	9,181475
5,4365194	up	noncoding	NR_028293	11,700628	11,812674	11,636009	11,209803	11,7407465	9,246249	9,364248	9,238259	8,856213	9,181475
5,4365194	up	noncoding	NR_028293	11,700628	11,812674	11,636009	11,209803	11,7407465	9,246249	9,364248	9,238259	8,856213	9,181475
5,4365194	up	noncoding	NR_028293	11,700628	11,812674	11,636009	11,209803	11,7407465	9,246249	9,364248	9,238259	8,856213	9,181475
2,5469701	up	noncoding	NR_024402	9,196541	9,214084	9,265457	9,189667	9,327887	7,9780045	8,132963	8,032012	7,534858	7,7718883
9,445178	up	noncoding	TCONS_00029007	11,742803	12,281976	11,428223	10,331878	11,078074	7,9069624	7,89989	7,775495	9,42397	7,6587467
3,9669802	up	noncoding	ENST00000526556	8,443775	8,154621	8,244724	8,281883	8,703211	5,9993343	6,4272313	6,425507	6,803177	6,2327585
3,8688661	up	noncoding	ENST00000457383	6,036673	6,3681774	6,8543024	6,678323	7,315868	5,497965	4,858403	4,5556993	4,243975	4,3377476
3,8688661	up	noncoding	ENST00000457383	6,036673	6,3681774	6,8543024	6,678323	7,315868	5,497965	4,858403	4,5556993	4,243975	4,3377476
4,3441814	up	noncoding	uc010shg.2	6,0451045	6,2403374	6,0915036	5,843956	5,985059	3,7602248	3,5252047	3,8405702	4,0466423	4,4378967
3,0556028	up	noncoding	ENST00000501817	10,011888	10,346635	10,101881	9,931126	9,995273	8,707038	8,913882	8,64599	7,782936	8,279672
3,2002479	up	noncoding	uc.403+	6,524227	6,9781165	6,4641705	5,24991	5,9309573	3,8756716	4,9800906	4,8425813	4,319287	4,7388325
3,589287	up	noncoding	uc001zlf.1	10,994718	9,986103	10,0715275	9,428151	10,799499	8,291639	8,338546	8,280464	8,860622	8,290241
2,0331328	up	noncoding	BX089362	5,8505316	5,713976	5,622926	5,215082	6,029077	4,8421774	4,7963176	4,8203506	4,1334934	4,7207313
3,1440794	up	noncoding	uc004bxt.1	6,80881	7,34448	6,8873515	6,256102	6,612845	4,6181808	5,0546293	5,1004887	5,9948945	4,878207
8,0245988	up	noncoding	ENST00000449819	7,139097	6,7619953	7,0458293	6,8058743	7,6265316	4,569739	4,0949526	4,1471753	3,0359907	4,5093236
3,1008907	up	noncoding	ENST00000435287	8,705984	8,667004	8,747675	8,625469	9,042662	7,338026	7,1976852	7,314809	6,691896	7,0829644
5,0719489	up	noncoding	uc002bnv.2	14,064587	13,4890585	13,9622135	13,509776	14,379034	11,713439	11,544477	11,2413435	11,7482605	11,444448
3,2056806	up	noncoding	ENST00000503152	6,8594127	6,75037	6,8306623	6,472489	7,103381	4,7267513	5,501906	5,3263826	4,759419	5,2987027
4,3845442	up	noncoding	ENST00000433671	7,7134423	7,949171	7,596195	7,0113955	7,5703382	5,6728463	5,6681347	5,5626087	5,1096206	5,1651974
4,3845442	up	noncoding	ENST00000433671	7,7134423	7,949171	7,596195	7,0113955	7,5703382	5,6728463	5,6681347	5,5626087	5,1096206	5,1651974
4,3845442	up	noncoding	ENST00000433671	7,7134423	7,949171	7,596195	7,0113955	7,5703382	5,6728463	5,6681347	5,5626087	5,1096206	5,1651974
2,3758509	up	noncoding	BC094870	8,764164	8,958954	8,727892	8,513714	8,505001	7,2592063	7,6799555	7,3568234	7,840268	7,0912504
4,6490188	up	noncoding	NR_027245	8,924496	8,186177	8,657884	6,6750717	8,030893	5,910988	5,728749	6,019778	5,6367364	6,093639
7,2582567	up	noncoding	NR_038381	5,5450473	4,9870787	5,4088035	5,4463315	6,0077076	2,3727963	2,402045	3,5631359	2,386311	2,372565
7,2582567	up	noncoding	NR_038381	5,5450473	4,9870787	5,4088035	5,4463315	6,0077076	2,3727963	2,402045	3,5631359	2,386311	2,372565
3,006919	up	noncoding	ENST00000508923	11,584567	11,180807	11,162137	10,729631	11,48711	9,551319	9,443883	9,349585	10,421421	9,436614
13,4254148	up	noncoding	TCONS_00006335	6,2218847	6,0313826	6,329588	6,09679	6,6442695	2,3666785	2,402045	3,0779097	2,3702428	2,372565
15,6190156	up	noncoding	ENST00000555354	6,420797	5,9650855	6,2308426	5,9884048	7,4809885	2,4999547	2,402045	2,5646448	2,3702428	2,423073
2,3628762	up	noncoding	ENST00000506892	7,997644	7,173615	7,583554	8,066694	8,542494	6,6347976	6,6373844	6,5238996	7,0753536	6,2898455
22,3134486	up	noncoding	ENST00000457876	10,667311	9,894856	10,6329975	10,917078	11,277281	6,230221	6,2497954	6,2446785	5,965351	6,3002696
2,5124753	up	noncoding	NR_052852	6,727873	6,5638537	6,7204328	6,156727	7,1673183	4,864337	5,3191657	5,5628943	5,1632457	5,781015
3,3369184	up	noncoding	uc004aas.1	11,398258	11,700628	11,417519	10,94607	11,195385	9,638772	9,704805	9,642281	9,413271	9,566149
2,5316066	up	noncoding	ENST00000423408	5,2905717	5,18044	5,006479	4,8249044	5,525464	3,8508494	3,9181473	3,8107126	3,2121716	4,335712

2,1166928	up	noncoding	ENST00000449572	10,524755	10,483257	10,501356	10,175016	10,600374	9,354565	9,335613	9,1490345	9,962346	9,07414
3,4089035	up	noncoding	TCONS_00004358	4,520738	4,53421	5,0259595	5,364875	5,4127836	2,372272	2,402045	4,080034	3,92606	3,2316163
9,3875874	up	noncoding	NR_024334	8,961683	9,000233	9,0245905	8,559704	9,0444355	5,663476	5,9775333	5,854045	5,493892	5,4479275
9,3875874	up	noncoding	NR_024334	8,961683	9,000233	9,0245905	8,559704	9,0444355	5,663476	5,9775333	5,854045	5,493892	5,4479275
9,3875874	up	noncoding	NR_024334	8,961683	9,000233	9,0245905	8,559704	9,0444355	5,663476	5,9775333	5,854045	5,493892	5,4479275
2,61803	up	noncoding	ENST00000411906	6,6676674	6,3863006	6,6546125	6,697414	7,1174765	5,174367	5,3355603	5,4044976	5,212135	5,454503
3,0693345	up	noncoding	uc001zav.1	5,514583	5,293579	5,5507164	6,3736115	5,73838	4,232752	3,7913165	4,2821856	5,5261197	2,5488667
6,2490782	up	noncoding	TCONS_00002241	12,395266	11,863789	12,358952	12,620567	12,827286	9,959248	10,115124	9,884926	9,128722	9,759623
3,7305982	up	noncoding	ENST00000571433	10,608221	10,288328	10,267634	10,094552	10,682934	8,75243	8,639019	8,476588	8,324534	8,252063
3,1670082	up	noncoding	ENST00000565617	10,166225	10,477773	10,363116	9,603905	9,852054	8,379169	8,535787	8,515169	8,218639	8,498706
8,4903024	up	noncoding	ENST00000557067	5,9032497	5,111404	5,5438814	5,2689366	5,7846994	2,3710752	2,402045	2,6671634	2,3702428	2,372565
2,0482756	up	noncoding	BE174175	7,9505186	7,9050016	7,861965	9,018188	8,121553	7,2323947	7,3301554	7,201102	7,1315484	6,7899766
5,8643331	up	noncoding	ENST00000568344	5,5605702	5,4999146	5,69655	5,5958433	6,011002	2,3676355	4,0210624	2,7297988	3,494964	2,9905841
2,4944455	up	noncoding	ENST00000460772	5,73198	5,501593	5,8703613	5,336705	5,642677	4,1865788	4,8162856	4,605045	3,1875734	4,6942377
4,4512276	up	noncoding	ENST00000427258	4,9713693	4,9159937	5,105914	5,0129266	5,649154	3,6545663	3,1073272	3,1395755	2,3702428	2,6126294
5,0229342	up	noncoding	ENST00000411542	5,373605	4,774037	5,584739	5,6775136	6,18847	2,3666973	3,3415911	3,6043277	3,56714	3,0759566
2,3343584	up	noncoding	ENST00000561744	7,880175	7,106156	7,885257	8,214525	8,533544	6,503709	6,452736	6,770702	7,224596	6,5527835
5,998451	up	noncoding	ENST00000419128	4,9272633	4,8659043	5,0330224	5,0172243	5,515923	2,9026272	2,402045	2,3715568	2,3875933	2,372565
5,998451	up	noncoding	ENST00000419128	4,9272633	4,8659043	5,0330224	5,0172243	5,515923	2,9026272	2,402045	2,3715568	2,3875933	2,372565
3,6370604	up	noncoding	ENST00000496733	5,5536766	5,143818	6,0543637	4,3108044	4,612069	2,660021	2,7083666	4,495302	3,2870617	3,210116
4,9911914	up	noncoding	uc002zof.3	4,8715906	4,4710774	4,8002815	5,246396	7,20792	2,3665268	2,402045	3,6265228	3,6816928	2,923557
2,8189648	up	noncoding	ENST00000507963	6,0317326	6,158499	6,297652	5,786625	6,6647096	4,4017663	4,834196	4,8027916	4,658474	4,766163
14,0230599	up	noncoding	NR_046552	7,8527646	6,9015207	7,6895185	7,9738874	8,578179	3,94131	3,9910083	4,0134826	3,3765154	4,6249075
14,0230599	up	noncoding	NR_046552	7,8527646	6,9015207	7,6895185	7,9738874	8,578179	3,94131	3,9910083	4,0134826	3,3765154	4,6249075
4,7662286	up	noncoding	ENST00000449881	5,474836	5,3057156	5,5273204	5,0280194	5,8227835	3,9771488	2,9720669	2,7953832	3,1499832	2,999852
2,5346295	up	noncoding	ENST00000566385	6,296486	6,8417025	6,4207096	5,8421836	6,018667	4,735392	5,356853	4,9870787	4,278408	5,3531427
2,3115032	up	noncoding	ENST00000564702	9,199197	9,882963	9,243433	7,5759544	8,16411	7,993274	8,214962	7,877877	6,797563	7,1378245
2,072587	up	noncoding	ENST00000563394	8,665869	8,720938	8,595204	8,263366	8,723963	7,5242505	7,521244	7,533111	7,4600477	7,6735234
2,072587	up	noncoding	ENST00000563394	8,665869	8,720938	8,595204	8,263366	8,723963	7,5242505	7,521244	7,533111	7,4600477	7,6735234
4,7957932	up	noncoding	ENST00000514158	4,7497334	3,9149613	4,987255	5,281823	5,64372	2,5681627	2,72817	2,9017477	2,698	2,372565
4,7957932	up	noncoding	ENST00000514158	4,7497334	3,9149613	4,987255	5,281823	5,64372	2,5681627	2,72817	2,9017477	2,698	2,372565
13,9159566	up	noncoding	ENST00000454980	8,3866205	6,1849775	8,321876	8,924496	9,382657	4,2838035	4,5384264	5,010214	4,2755947	4,0992475
13,9159566	up	noncoding	ENST00000454980	8,3866205	6,1849775	8,321876	8,924496	9,382657	4,2838035	4,5384264	5,010214	4,2755947	4,0992475
13,9159566	up	noncoding	ENST00000454980	8,3866205	6,1849775	8,321876	8,924496	9,382657	4,2838035	4,5384264	5,010214	4,2755947	4,0992475
13,9159566	up	noncoding	ENST00000454980	8,3866205	6,1849775	8,321876	8,924496	9,382657	4,2838035	4,5384264	5,010214	4,2755947	4,0992475
2,9138622	up	noncoding	ENST00000503386	8,631622	8,75274	8,695614	7,2795167	8,5113735	7,1068707	7,1081	7,1744924	5,4191008	7,347639
2,7228279	up	noncoding	ENST00000583175	10,337521	10,705661	10,357162	9,772788	9,950389	8,744616	8,82119	8,854256	8,67835	8,79958
3,6683146	up	noncoding	ENST00000569135	9,503593	9,478557	9,478557	9,497313	9,684411	7,587231	7,7136154	7,8556776	7,3632655	7,7470546
6,7764922	up	noncoding	TCONS_00020862	6,2321777	5,888091	6,1970162	5,8854046	6,530704	2,3704298	3,697863	3,7447982	3,4730842	3,644525
2,5233167	up	noncoding	uc002khh.3	10,5201845	10,6633	10,492435	10,425771	10,559261	9,09916	9,203225	9,437219	9,057387	9,187354
2,7988396	up	noncoding	NR_021490	5,5638494	5,7178345	5,371255	4,974597	4,6244164	4,561222	3,0198736	4,2012663	2,9752727	4,0701737
2,227086	up	noncoding	TCONS_00023087	7,563632	7,056998	7,4080844	7,340124	7,853305	6,42036	6,3125286	6,255987	6,3396435	6,117838
4,4200997	up	noncoding	TCONS_00021799	5,476591	4,6070156	5,406958	4,9329	5,181987	2,4414225	2,402045	3,610435	2,3702428	4,0609117
2,5235949	up	noncoding	NR_027467	9,441684	8,87881	9,190988	9,230525	10,019649	8,040183	7,927446	7,8650093	8,320043	7,931573
2,5235949	up	noncoding	NR_027467	9,441684	8,87881	9,190988	9,230525	10,019649	8,040183	7,927446	7,8650093	8,320043	7,931573
3,8329995	up	noncoding	ENST00000538380	5,2189775	5,273193	5,2241974	4,681387	5,6592274	2,3667471	3,5319614	3,7106533	3,2176018	3,5376496
2,6258331	up	noncoding	uc002ndl.1	5,5197678	5,205957	5,7730565	5,630063	6,133098	3,8373399	4,7138796	4,0376015	4,2161813	4,493064
2,6258331	up	noncoding	uc002ndl.1	5,5197678	5,205957	5,7730565	5,630063	6,133098	3,8373399	4,7138796	4,0376015	4,2161813	4,493064
2,9749966	up	noncoding	ENST00000442293	10,0317335	9,277629	9,968476	10,426849	10,695749	8,725774	8,808812	8,385087	8,668056	7,9482675
2,2613698	up	noncoding	uc010dyq.2	6,7201433	6,271059	6,5372124	6,559758	6,923567	5,575894	5,5073853	5,3563266	5,0767565	5,6093926
2,2908071	up	noncoding	NR_046373	5,553155	5,5324693	5,548404	4,8274374	5,409001	4,3768477	4,8673973	4,788777	2,3702428	4,487922
2,2908071	up	noncoding	NR_046373	5,553155	5,5324693	5,548404	4,8274374	5,409001	4,3768477	4,8673973	4,788777	2,3702428	4,487922
2,2908071	up	noncoding	NR_046373	5,553155	5,5324693	5,548404	4,8274374	5,409001	4,3768477	4,8673973	4,788777	2,3702428	4,487922
2,2908071	up	noncoding	NR_046373	5,553155	5,5324693	5,548404	4,8274374	5,409001	4,3768477	4,8673973	4,788777	2,3702428	4,487922
38,9843804	up	noncoding	NR_002785	14,35376	12,959282	14,115165	14,408218	15,0953865	9,128722	8,993521	8,835562	8,764874	8,785011
2,7205144	up	noncoding	ENST00000570929	6,9254494	6,4793215	7,074898	7,2220135	7,1586056	5,769404	5,4127836	5,5073853	5,6350985	5,3162193
13,3100584	up	noncoding	TCONS_00010340	14,767867	15,176599	14,750358	13,194891	14,115165	10,523185	10,501356	10,02524	12,327075	9,955799
3,4107474	up	noncoding	uc001mke.3	11,59103	11,2453985	11,59639	11,778462	11,942642	9,92581	9,893333	9,910707	9,785524	9,788109
4,1500894	up	noncoding	ENST00000582896	11,056786	10,442527	10,913598	11,704297	11,716082	9,473809	9,536088	9,020258	9,4013	8,136123
5,0125284	up	noncoding	TCONS_00003561	4,93914	4,8833075	4,9178267	4,0767837	6,8585305	2,3665001	2,402045	4,536543	2,3702428	2,372565
9,4379243	up	noncoding	ENST00000478294	7,697263	7,0422425	7,7203503	7,8000593	8,281406	4,389612	4,400423	4,5823708	4,2341137	4,7424536
2,0621569	up	noncoding	uc001vmc.3	5,475903	4,943649	4,7348833	5,263717	5,7177672	4,471938	4,5117283	4,039865	4,409366	3,4822516
2,8198004	up	noncoding	NR_029435	7,472842	7,3623347	7,302204	7,121565	7,654158	5,8009186	5,9633436	6,0755434	5,451822	6,143511
2,8198004	up	noncoding	NR_029435	7,472842	7,3623347	7,302204	7,121565	7,654158	5,8009186	5,9633436	6,0755434	5,451822	6,143511
3,8912659	up	noncoding	TCONS_00018503	5,606112	4,856554	5,6201572	5,3025627	6,2456436	2,3667865	4,182955	3,9578655	3,3312163	3,9910083
8,0219678	up	noncoding	ENST00000411798	8,06518	7,0393047	7,888824	8,064405	8,590672	4,2161813	5,437596	5,229327	4,6026382	5,1428623
2,4729511	up	noncoding	TCONS_00025724	9,278398	8,842076	9,212328	9,416159	9,661075	7,9865212	8,025555	8,193518	7,6605353	8,012738
2,8859201	up	noncoding	ENST00000420573	5,717491	4,978765	5,605575	5,636083	6,1968827	5,1930075	3,6755347	4,0745955	3,141741	4,4047613
3,0504	up	noncoding	ENST00000574021	5,4991107	5,004926	4,9364195	4,5433908	5,3795133	2,4210732	3,9947915	4,3630857	2,846406	3,6930118

3,0504	up	noncoding	ENST00000574021	5,4991107	5,004926	4,9364195	4,5433908	5,3795133	2,4210732	3,9947915	4,3630857	2,846406	3,6930118
3,9823795	up	noncoding	ENST00000556197	9,226281	7,7891507	9,219648	8,257435	10,112717	7,0130053	6,864134	7,0907793	6,7596655	6,909494
5,3156909	up	noncoding	ENST00000415215	9,784915	10,283086	9,855481	8,772695	9,259922	7,02801	7,383859	7,302828	6,9191847	7,2709312
2,4624703	up	noncoding	ENST00000458468	10,897885	10,260224	10,843725	11,1282835	11,440167	9,573721	9,666433	9,78248	9,43693	9,610189
4,2418727	up	noncoding	ENST00000495691	7,1733594	7,2195168	7,1256013	6,8677216	7,1228547	5,6731825	5,2892604	5,0996532	4,417489	4,605962
2,002315	up	noncoding	uc001opt.1	6,4439573	6,058753	6,098585	5,985292	6,2696395	5,199839	5,220803	5,2205896	4,6633215	5,543329
2,002315	up	noncoding	uc001opt.1	6,4439573	6,058753	6,098585	5,985292	6,2696395	5,199839	5,220803	5,2205896	4,6633215	5,543329
10,2347737	up	noncoding	TCONS_00026396	6,46708	5,286068	5,796197	6,041566	6,6691103	2,3714426	3,1850138	2,731976	2,8219874	2,372565
4,3950796	up	noncoding	ENST00000547898	10,874554	10,579896	10,825692	11,065226	11,304579	8,663567	8,7859535	8,889385	8,833635	8,79796
4,4298371	up	noncoding	AI263816	6,0386677	5,7370205	5,9995084	5,855776	6,340061	4,1122603	3,711247	3,57387	3,6436944	4,1936936
21,6743794	up	noncoding	uc003ssb.3	6,7202706	6,3439646	6,783964	6,7517056	7,4779267	2,371828	2,402045	2,3715568	2,3702428	2,372565
2,9125174	up	noncoding	ENST00000547821	7,323104	7,073547	7,506861	7,1770196	7,7386065	5,912709	5,7463517	5,8304367	5,601508	6,0167994
2,8659801	up	noncoding	ENST00000426753	8,792118	8,753059	8,694189	8,617652	8,772899	7,390352	7,3177056	7,0246162	7,3272076	6,9748926
3,4588528	up	noncoding	ENST00000575089	10,687096	10,673924	10,693476	10,59233	10,80696	8,968248	9,217872	9,084978	8,491642	8,739578
2,2588386	up	noncoding	TCONS_00015067	4,9169044	4,2221828	4,612069	4,958416	5,525755	3,7298229	3,6775382	3,827151	3,1828353	3,940074
4,4221326	up	noncoding	uc003jsd.1	7,390822	7,0898676	7,3576818	7,378805	7,901112	5,0063434	5,3623323	5,51302	4,964171	5,5487103
4,4221326	up	noncoding	uc003jsd.1	7,390822	7,0898676	7,3576818	7,378805	7,901112	5,0063434	5,3623323	5,51302	4,964171	5,5487103
4,4221326	up	noncoding	uc003jsd.1	7,390822	7,0898676	7,3576818	7,378805	7,901112	5,0063434	5,3623323	5,51302	4,964171	5,5487103
4,4221326	up	noncoding	uc003jsd.1	7,390822	7,0898676	7,3576818	7,378805	7,901112	5,0063434	5,3623323	5,51302	4,964171	5,5487103
4,4221326	up	noncoding	uc003jsd.1	7,390822	7,0898676	7,3576818	7,378805	7,901112	5,0063434	5,3623323	5,51302	4,964171	5,5487103
4,4221326	up	noncoding	uc003jsd.1	7,390822	7,0898676	7,3576818	7,378805	7,901112	5,0063434	5,3623323	5,51302	4,964171	5,5487103
2,0242676	up	noncoding	ENST00000429810	8,308312	8,305141	8,249842	7,8497896	8,414977	7,0191646	7,215835	7,363125	7,111295	7,331642
2,3627771	up	noncoding	TCONS_00020342	4,8520236	4,7330956	5,0746937	5,345277	4,8861384	3,968386	4,147498	2,9809906	3,6051564	3,9867797
2,149553	up	noncoding	NR_038221	5,743418	5,2720327	5,5418415	5,633252	5,418473	5,2361174	3,679863	4,458246	4,6094894	4,105118
2,9441177	up	noncoding	ENST00000449009	9,694716	9,421638	9,605318	9,630616	9,998103	8,258348	8,148095	7,9773893	8,150388	8,026994
4,3419632	up	noncoding	NR_033839	7,6290874	7,4486065	7,581391	7,4277105	7,8854084	5,3185143	5,596659	5,718877	5,055668	5,690748
4,249743	up	noncoding	ENST00000449024	5,532573	5,119025	5,4335456	5,2124076	5,5980673	2,3671985	4,1445117	3,2096398	3,3280787	3,4093118
2,0291133	up	noncoding	TCONS_00011938	5,7734046	5,86197	5,6575923	4,8437877	5,7816997	4,6679873	4,958416	4,7085166	3,9230576	4,5562296
196,3982331	up	noncoding	ENST00000568031	11,696123	11,318368	11,63093	11,52805	12,024973	6,8292603	4,1106277	3,8916533	2,3702428	2,9084692
2,4006793	up	noncoding	ENST00000567422	7,4809885	7,3141446	7,4251375	7,064088	7,6049175	6,0117903	5,9657884	6,2401285	5,984819	6,3695364
10,8817841	up	noncoding	TCONS_00004877	5,880788	5,31028	5,7164006	5,8843403	6,3110843	2,3672676	2,402045	2,3715568	2,3702428	2,372565
6,1441251	up	noncoding	HMlincRNA577+	5,7294683	5,2300587	5,8772335	5,596659	6,2348137	2,3681889	3,6174877	2,8685243	3,5429182	3,1750762
3,502287	up	noncoding	ENST00000521016	9,253701	8,033998	8,149719	9,0630045	9,342587	7,047271	7,114478	6,762934	7,382584	6,494256
3,945453	up	noncoding	ENST00000434264	5,5048404	5,9437566	5,6200523	4,5193987	5,3140273	2,3732793	3,7487314	4,1371713	3,0774255	3,664513
8,3708699	up	noncoding	chr5:124766050-124	10,564934	9,6853485	10,414191	10,657784	11,079406	7,453897	7,515303	7,3524137	7,430058	7,323104
6,3211647	up	noncoding	uc009vjc.1	11,456864	10,8489275	11,468746	11,391481	11,829718	8,867633	8,819555	8,701034	8,707038	8,5995245
6,5495607	up	noncoding	TCONS_00001252	5,4058948	4,7138796	5,3903637	5,1167493	5,805294	2,3664587	2,402045	2,992398	2,501171	2,613118
27,737555	up	noncoding	ENST00000564832	8,460565	9,094758	8,610658	7,556249	7,909716	4,0517645	3,306814	3,4421906	3,1800807	3,6822526
2,1272604	up	noncoding	ENST00000521863	5,569184	4,574865	5,333452	5,1920652	6,28788	4,5474343	3,7650702	3,8145704	5,018151	4,367237
2,9710217	up	noncoding	ENST00000567053	8,103774	8,110315	8,03517	7,3546696	8,273221	6,305813	6,538079	6,6068425	6,1162	6,4554195
3,5013201	up	noncoding	ENST00000430519	5,5852585	6,266015	5,439877	3,307915	4,975271	2,3698761	4,69566	4,1375685	2,4331315	2,8986056
4,5867629	up	noncoding	NR_027450	6,68383	5,6720285	6,589387	7,1242723	7,5687284	5,0826674	4,297758	4,7822714	4,277748	4,2104197
15,6369663	up	noncoding	ENST00000554485	6,517691	6,123768	6,5410995	5,921637	6,8706293	2,6239715	2,402045	2,3715568	2,3702428	2,372565
3,2541725	up	noncoding	ENST00000549651	9,071276	8,779678	9,068442	9,167728	9,404896	7,307655	7,5012693	7,430325	7,393075	7,348242
3,2541725	up	noncoding	ENST00000549651	9,071276	8,779678	9,068442	9,167728	9,404896	7,307655	7,5012693	7,430325	7,393075	7,348242
5,8522547	up	noncoding	ENST00000581442	7,2368155	6,73278	7,4153957	7,3433366	7,818584	4,5569215	4,984078	5,279324	4,235445	4,7461805
8,5796205	up	noncoding	ENST00000372490	6,514374	6,6244955	6,9331074	6,3790226	7,048091	2,3664908	3,9305234	3,9707284	3,8405702	3,8862085
3,3526567	up	noncoding	ENST00000436841	9,046581	9,21495	9,094223	8,996802	9,169495	7,230694	7,4091263	7,3989487	7,5939927	7,1627655
5,4592087	up	noncoding	ENST00000458111	8,235167	8,029438	8,192014	7,841072	8,513542	5,603891	5,806442	6,0554757	5,48114	5,620825
5,4592087	up	noncoding	ENST00000458111	8,235167	8,029438	8,192014	7,841072	8,513542	5,603891	5,806442	6,0554757	5,48114	5,620825
5,4592087	up	noncoding	ENST00000458111	8,235167	8,029438	8,192014	7,841072	8,513542	5,603891	5,806442	6,0554757	5,48114	5,620825
5,4592087	up	noncoding	ENST00000458111	8,235167	8,029438	8,192014	7,841072	8,513542	5,603891	5,806442	6,0554757	5,48114	5,620825
6,0073238	up	noncoding	ENST00000458178	10,056442	9,60084	10,021095	10,270171	10,484511	7,6950707	7,814946	7,5978436	7,13008	7,2615066
221,5930157	up	noncoding	ENST00000522743	10,951624	10,594731	10,879902	10,858393	11,192296	3,253365	3,451053	3,5417776	2,5933669	2,6785405
8,1640974	up	noncoding	ENST00000444416	14,496899	12,849852	14,252308	13,868062	15,377393	11,180807	10,943919	10,784269	11,691183	11,097869
5,1415165	up	noncoding	TCONS_00004726	9,203225	9,211466	9,339681	8,4775305	9,026211	6,449126	6,37934	6,3565307	7,968243	6,293904
4,1614168	up	noncoding	ENST00000505632	8,098984	8,036012	7,8536587	7,1165586	8,0484495	5,3537326	5,841049	5,9006	5,5704155	6,2024918
4,8245287	up	noncoding	NR_037672	15,336036	14,859653	15,190964	14,983138	15,541646	13,171737	13,033699	12,877074	12,587459	12,889528
4,8245287	up	noncoding	NR_037672	15,336036	14,859653	15,190964	14,983138	15,541646	13,171737	13,033699	12,877074	12,587459	12,889528
4,8245287	up	noncoding	NR_037672	15,336036	14,859653	15,190964	14,983138	15,541646	13,171737	13,033699	12,877074	12,587459	12,889528
4,8245287	up	noncoding	NR_037672	15,336036	14,859653	15,190964	14,983138	15,541646	13,171737	13,033699	12,877074	12,587459	12,889528
4,8245287	up	noncoding	NR_037672	15,336036	14,859653	15,190964	14,983138	15,541646	13,171737	13,033699	12,877074	12,587459	12,889528
4,8245287	up	noncoding	NR_037672	15,336036	14,859653	15,190964	14,983138	15,541646	13,171737	13,033699	12,877074	12,587459	12,889528
4,8245287	up	noncoding	NR_037672	15,336036	14,859653	15,190964	14,983138	15,541646	13,171737	13,033699	12,877074	12,587459	12,889528
2,0864386	up	noncoding	ENST00000427188	6,454648	6,408345	6,502447	6,2328367	6,6091924	5,371771	5,120409	5,4326153	5,5117326	5,465729
2,972437	up	noncoding	ENST00000435800	7,3595486	7,112633	7,412017	7,266922	7,863402	6,0270715	6,005586	5,950837	5,250289	5,922508
5,3645593	up	noncoding	ENST00000428292	4,625145	4,2527676	5,017833	4,588833	5,518927	2,3697977	2,402045	2,3715568	2,3702428	2,372565
5,4545604	up	noncoding	ENST00000519040	9,920369	7,454369	9,915654	10,634857	10,948661	7,175278	7,311014	7,4738603	7,1718674	7,5045757
2,9361219	up	noncoding	uc004cma.1	6,8183913	6,2500553	6,3149943	5,997238	7,218301	4,939741	5,0563283	5,0399523	5,230559	4,56284
2,9361219	up	noncoding	uc004cma.1	6,8183913	6,2500553	6,3149943	5,997238	7,218301	4,939741	5,0563283	5,0399523	5,230559	4,56284

26,3623534	up	noncoding	ENST00000450309	7,3951926	7,2902527	7,329023	6,7813106	7,652108	2,3721554	2,402045	2,7632222	2,746162	2,562266
2,067734	up	noncoding	ENST00000507337	13,721429	13,644547	13,716441	13,77107	13,824295	12,795197	12,854359	12,620567	12,827286	12,34012
5,0999371	up	noncoding	ENST00000555928	9,603632	7,7389984	9,323952	10,006599	10,46942	6,8313775	7,070241	7,0778446	6,95174	7,459001
3,3879019	up	noncoding	ENST00000504322	5,1006584	4,555317	5,07104	4,5703697	5,419354	2,7961693	3,7010193	3,1134956	2,3702428	3,9338517
7,7861423	up	noncoding	ENST00000424436	8,842076	8,555634	8,787284	9,042662	8,831688	6,175612	5,608386	5,596271	6,6520004	5,222531
5,4060958	up	noncoding	ENST00000436447	7,386641	6,5503416	7,387213	6,905945	8,039344	4,319792	4,98492	5,1858463	4,8709364	4,7350545
2,5667999	up	noncoding	ENST00000563695	8,153785	8,365178	8,1075115	7,4102993	8,122843	6,703213	6,6944838	6,911499	6,3318267	6,71874
3,683869	up	noncoding	TCONS_00009369	8,127629	6,670561	8,14736	9,224743	8,924496	6,8028827	6,7920465	5,9468246	6,1418824	6,005044
3,7497856	up	noncoding	ENST00000544710	7,6663585	7,489603	7,6340246	7,183174	7,883553	5,387729	5,5557885	5,802611	5,465729	6,110815
3,2925798	up	noncoding	ENST00000499583	8,849679	8,931072	8,825357	8,424211	8,767999	7,1586056	7,1207037	7,2618184	6,5963793	7,064719
2,494472	up	noncoding	NR_026706	5,43339	5,3674536	5,6079993	5,1162267	6,052549	4,3385916	3,881712	3,9662755	4,495302	4,302065
43,0965626	up	noncoding	uc001vvl.4	8,0373955	8,340361	8,130248	7,325574	7,946661	2,3734436	2,7457342	2,3715568	2,7694354	2,372565
2,6767836	up	noncoding	TCONS_00022046	17,003748	16,893017	16,924637	16,830313	16,95503	15,1211195	15,34809	15,288168	16,16174	15,585125
3,5950488	up	noncoding	ENST00000563365	7,911466	7,7040424	7,962959	7,5241036	8,080602	6,0309424	6,3387938	6,0837107	5,42823	6,0714393
7,345576	up	noncoding	uc021xjv.1	6,0016327	5,653923	5,720362	5,7944255	6,2076583	2,8164148	3,577337	3,019315	2,3702428	3,2103138
4,5563111	up	noncoding	uc003skl.1	9,683043	9,760652	9,646361	9,261015	9,653181	7,431184	7,519204	7,4237027	7,220431	7,470399
3,1723293	up	noncoding	ENST00000554211	6,507447	5,881082	6,188332	6,019395	6,6276455	4,289349	5,097776	4,4909315	4,932612	4,0855203
57,784312	up	noncoding	ENST00000447909	8,61655	8,552733	8,718504	8,251636	8,845002	2,3699174	3,5370035	3,0716665	2,3702428	2,372565
57,784312	up	noncoding	ENST00000447909	8,61655	8,552733	8,718504	8,251636	8,845002	2,3699174	3,5370035	3,0716665	2,3702428	2,372565
57,784312	up	noncoding	ENST00000447909	8,61655	8,552733	8,718504	8,251636	8,845002	2,3699174	3,5370035	3,0716665	2,3702428	2,372565
4,6304641	up	noncoding	uc021tmw.1	11,414131	11,414608	11,399247	11,397724	11,477966	9,097962	9,199833	9,264012	9,254529	9,231556
2,3477335	up	noncoding	ENST00000503557	6,2630634	5,7301936	6,100305	6,210456	6,6486197	4,7340384	4,817842	5,053732	5,203804	4,986878
13,0795645	up	noncoding	ENST00000563687	6,5691686	6,552177	6,678758	6,52826	6,781103	2,373151	3,1662345	2,9807317	2,7231164	3,32002
5,8532498	up	noncoding	ENST00000549666	8,770809	8,68417	8,640324	8,364289	8,862082	6,2206144	5,958107	6,2980623	5,7250896	6,3736115
2,470557	up	noncoding	TCONS_00001220	4,9023805	4,4169188	4,900625	5,3855233	5,0253263	3,5872953	4,234215	3,3235726	3,853571	3,1079383
2,0257966	up	noncoding	ENST00000551089	8,878284	8,093144	8,830015	8,943597	9,474152	7,8907404	7,830991	7,538213	8,254415	7,612386
2,0257966	up	noncoding	ENST00000551089	8,878284	8,093144	8,830015	8,943597	9,474152	7,8907404	7,830991	7,538213	8,254415	7,612386
2,0257966	up	noncoding	ENST00000551089	8,878284	8,093144	8,830015	8,943597	9,474152	7,8907404	7,830991	7,538213	8,254415	7,612386
2,0257966	up	noncoding	ENST00000551089	8,878284	8,093144	8,830015	8,943597	9,474152	7,8907404	7,830991	7,538213	8,254415	7,612386
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
5,3404682	up	noncoding	AI015500	6,7568927	6,647079	6,689335	6,1635375	6,8006296	3,7013576	3,753421	4,672076	4,570752	4,275036
3,6643446	up	noncoding	ENST00000433357	7,952315	7,646751	7,588624	7,691586	8,069087	5,9211974	6,2300196	6,023773	5,550189	5,855408
2,1581141	up	noncoding	ENST00000570945	8,901001	9,0444355	8,968102	8,364901	8,874483	7,585619	7,738242	7,881397	7,5320334	7,8667755
2,4616432	up	noncoding	ENST00000520496	9,42397	8,921874	9,014901	9,040821	9,724405	7,9425483	7,95964	7,7682724	8,152594	7,804808
2,0132534	up	noncoding	ENST00000452477	7,315122	6,7000217	7,255602	7,2731094	7,773048	6,1162	6,008307	6,536045	6,1504984	6,458209
3,3079398	up	noncoding	ENST00000438181	12,292255	11,990277	12,198157	12,357345	12,689262	10,751625	10,653966	10,518404	10,359092	10,614544
3,3079398	up	noncoding	ENST00000438181	12,292255	11,990277	12,198157	12,357345	12,689262	10,751625	10,653966	10,518404	10,359092	10,614544
2,1099657	up	noncoding	ENST00000559366	8,705046	8,690616	8,569729	8,329302	8,56997	7,5759544	7,536905	7,595341	7,2433257	7,527039
7,1681554	up	noncoding	uc001vvq.1	6,4841375	6,556376	6,4908013	6,236143	6,465466	2,371217	3,4728134	3,607007	4,780085	3,7937918
9,2162449	up	noncoding	ENST00000433344	11,100608	11,73444	11,157845	9,749971	10,284862	7,3414807	7,4736557	6,9831057	9,122086	7,0865026
2,1571812	up	noncoding	uc004bwk.3	5,5668077	6,1317644	5,589226	4,4533014	5,0819306	4,281331	3,9242415	4,7355266	3,7228758	4,6133184
2,1571812	up	noncoding	uc004bwk.3	5,5668077	6,1317644	5,589226	4,4533014	5,0819306	4,281331	3,9242415	4,7355266	3,7228758	4,6133184
2,1571812	up	noncoding	uc004bwk.3	5,5668077	6,1317644	5,589226	4,4533014	5,0819306	4,281331	3,9242415	4,7355266	3,7228758	4,6133184
3,3823308	up	noncoding	NR_033917	5,7767587	5,2179327	5,7115793	5,9759274	6,1956534	2,3711786	4,361905	4,1480145	4,8156505	4,391014
3,8420792	up	noncoding	NR_027007	8,195582	8,31411	8,18406	7,491312	8,133125	6,079529	6,107536	6,167116	5,883817	6,3707547
2,1914016	up	noncoding	ENST00000445039	7,032736	6,5767055	6,574471	6,4955783	7,4405518	5,8727236	5,601049	5,688954	5,627644	5,6704025
2,1914016	up	noncoding	ENST00000445039	7,032736	6,5767055	6,574471	6,4955783	7,4405518	5,8727236	5,601049	5,688954	5,627644	5,6704025
2,1914016	up	noncoding	ENST00000445039	7,032736	6,5767055	6,574471	6,4955783	7,4405518	5,8727236	5,601049	5,688954	5,627644	5,6704025
2,1914016	up	noncoding	ENST00000445039	7,032736	6,5767055	6,574471	6,4955783	7,4405518	5,8727236	5,601049	5,688954	5,627644	5,6704025
2,1817814	up	noncoding	ENST00000419931	7,0474534	6,896898	6,967263	6,827926	7,2398424	5,7114086	6,053552	5,8295527	5,7022247	6,055112
2,1296038	up	noncoding	ENST00000554297	7,1378245	7,3063917	7,1469216	6,954206	7,115518	6,5655413	6,7266455	6,3220587	5,0398526	5,5538383
3,6537329	up	noncoding	ENST00000443459	6,8754787	6,468936	6,7192574	6,6237516	7,120899	4,5127444	4,8689756	5,1127095	5,10948	4,8575573
3,7672706	up	noncoding	TCONS_00008058	6,222765	5,7858443	5,96228	6,080571	6,6224174	3,5323117	4,3009353	4,6288934	4,3284636	4,3156753
2,7365407	up	noncoding	ENST00000449500	8,656006	9,175006	8,654985	7,457533	8,1517725	7,055513	7,081871	7,1434464	6,7438955	6,80881
27,9444629	up	noncoding	NR_024360	7,2795167	6,66114	7,202941	7,489024	8,001715	2,3679278	2,402045	2,698133	2,561817	2,5819612
2,3821269	up	noncoding	ENST00000581541	4,8200145	4,436646	4,3616014	4,1595645	4,9940987	2,3694663	4,2522955	3,3450174	3,4910955	3,052799

3,901661	up	noncoding	ENST00000575193	9,562978	9,112827	9,4119215	9,281623	9,902105	7,478947	7,650515	7,52353	7,266159	7,5318613
5,8714678	up	noncoding	ENST00000439839	13,306977	12,555775	12,922087	12,584391	13,495356	10,359814	10,106269	10,07521	11,258359	10,296328
2,9185345	up	noncoding	uc001emj.3	10,8489275	10,996305	10,867621	10,958241	10,854073	9,400672	9,497313	9,321281	9,513554	9,066127
2,9185345	up	noncoding	uc001emj.3	10,8489275	10,996305	10,867621	10,958241	10,854073	9,400672	9,497313	9,321281	9,513554	9,066127
2,0939308	up	noncoding	ENST00000569008	9,136082	9,180946	9,156043	8,906706	9,161337	8,075017	8,05707	7,9882145	7,6861467	8,403597
4,6976571	up	noncoding	ENST00000321800	9,84564	9,157904	9,392791	9,728291	10,372563	7,822879	7,2445536	7,3050404	7,375652	7,589357
6,5747239	up	noncoding	ENST00000566291	11,091208	10,072482	10,761078	10,328402	11,667578	8,120387	8,068566	8,053722	8,313672	7,7797494
2,7269219	up	noncoding	NR_034086	7,015	6,7535915	6,9326115	6,6546125	7,159837	5,3543234	5,7633767	5,477319	5,1544175	5,529849
3,1309447	up	noncoding	ENST00000561542	7,050744	7,3595486	7,0516214	6,613625	7,119876	5,2953396	5,479253	5,58247	5,0077043	5,597658
2,4801455	up	noncoding	AY262164R	4,9056234	4,453109	5,11315	6,544356	5,9684296	4,1786356	3,0508528	4,280231	5,5581093	3,3647156
12,441062	up	noncoding	TCONS_00013888	6,634441	5,979353	6,5061684	6,5942945	7,210162	2,444707	3,6819725	3,2461243	2,9938614	2,372565
2,1960437	up	noncoding	ENST00000548875	6,041904	5,9246974	5,976997	5,604891	6,1502094	4,893321	4,436646	4,768679	5,0143967	4,9111223
2,4661198	up	noncoding	ENST00000517897	5,82167	5,255452	5,5127044	5,5865617	6,015052	4,240617	4,347955	4,294269	4,723945	4,0734396
3,7342482	up	noncoding	ENST00000524014	4,9892344	5,063119	5,3417473	4,967681	5,976864	3,9335504	3,006595	3,3173077	2,5748975	4,002206
3,3136072	up	noncoding	NR_003608	6,08638	5,601763	6,015688	6,258723	6,625374	4,5860915	4,727526	3,868405	3,9872305	4,776662
3,3136072	up	noncoding	NR_003608	6,08638	5,601763	6,015688	6,258723	6,625374	4,5860915	4,727526	3,868405	3,9872305	4,776662
3,0785908	up	noncoding	ENST00000433396	9,48719	9,257633	9,489266	9,036608	9,359077	8,197714	7,9896407	7,7040424	7,285375	7,3416514
4,5216177	up	noncoding	ENST00000563678	7,127861	6,828845	7,1218343	7,216857	7,1750145	5,0451074	5,226152	4,9399977	5,0276666	4,347293
4,116804	up	noncoding	ENST00000396588	5,713637	5,640738	5,7301936	5,7356567	6,0437922	3,6516194	3,5759475	4,0525723	3,013883	4,3623714
2,6651917	up	noncoding	ENST00000567068	9,169982	9,3303585	9,320915	9,1888275	9,440266	8,1352	7,806816	7,943096	7,456645	8,0373955
9,3054748	up	noncoding	ENST00000578216	7,0584245	6,165594	7,0412526	7,7100296	7,725162	4,003992	4,181592	4,082261	3,3862586	3,9559603
2,1617774	up	noncoding	ENST00000415574	13,679836	13,173864	13,514172	13,161713	13,891827	12,400996	12,309787	12,188988	12,647368	12,313183
2,4548461	up	noncoding	uc003lrn.1	15,501801	15,206671	15,464395	15,703883	15,82308	14,431758	14,372104	14,229543	14,090187	14,098075
2,4548461	up	noncoding	uc003lrn.1	15,501801	15,206671	15,464395	15,703883	15,82308	14,431758	14,372104	14,229543	14,090187	14,098075
2,4220468	up	noncoding	ENST00000527288	7,6012955	7,0767126	7,3569937	7,548623	7,9069624	6,291111	6,2546115	5,9896765	6,280649	6,2934055
12,3157898	up	noncoding	ENST00000443252	10,943919	10,645255	10,9323015	10,962129	11,279815	7,430058	7,5613017	7,298072	7,2284074	7,1333942
5,1485398	up	noncoding	ENST00000563280	6,196515	6,3024282	6,187464	5,434257	5,8841424	3,271193	3,8564458	3,3948379	4,0598097	3,6017036
2,8591805	up	noncoding	ENST00000426882	9,214275	8,944797	9,254774	9,271737	9,744494	7,7694187	7,861965	7,8670735	7,6284494	7,725162
8,8994021	up	noncoding	TCONS_00022632	7,686414	7,141857	7,6448827	7,7418323	8,305956	4,7739706	5,3482556	4,8596163	3,6514144	4,119143
2,2506693	up	noncoding	NR_036512	6,4879465	6,531638	6,7562966	6,0373335	6,6605854	5,091011	5,782561	4,9379654	5,5098443	5,300648
4,6756955	up	noncoding	ENST00000518880	7,3686023	7,4717054	7,4439955	6,49234	7,300741	5,0481973	5,1418037	5,417115	4,152402	5,1919613
4,8184001	up	noncoding	ENST00000397264	6,97785	6,8412995	6,857169	6,4606433	7,1138105	4,943926	4,6010213	4,790314	3,829881	4,742859
4,8184001	up	noncoding	ENST00000397264	6,97785	6,8412995	6,857169	6,4606433	7,1138105	4,943926	4,6010213	4,790314	3,829881	4,742859
4,8184001	up	noncoding	ENST00000397264	6,97785	6,8412995	6,857169	6,4606433	7,1138105	4,943926	4,6010213	4,790314	3,829881	4,742859
4,8184001	up	noncoding	ENST00000397264	6,97785	6,8412995	6,857169	6,4606433	7,1138105	4,943926	4,6010213	4,790314	3,829881	4,742859
2,5453677	up	noncoding	TCONS_00013864	5,230212	4,01939	5,3795133	5,5645514	5,611935	3,4978843	3,5193632	3,988036	3,7424989	4,318449
2,1830618	up	noncoding	TCONS_00010470	4,4694266	4,4031024	4,964655	4,279459	4,8284693	3,5038698	3,5304005	3,1309931	4,400902	2,7471821
4,7336167	up	noncoding	ENST00000442526	9,727851	9,309223	9,702221	9,803904	10,167694	7,3937197	7,5469065	7,638963	7,349731	7,5668583
4,5970478	up	noncoding	ENST00000412349	5,20964	4,275485	5,2992287	5,1517673	5,694567	5,11074	2,402045	2,3715568	2,3702428	2,372565
4,5970478	up	noncoding	ENST00000412349	5,20964	4,275485	5,2992287	5,1517673	5,694567	5,11074	2,402045	2,3715568	2,3702428	2,372565
2,1296234	up	noncoding	ENST00000439792	4,8967433	4,5442953	4,427135	4,448418	4,5611253	2,679629	3,5911784	3,9359553	3,423459	3,7945037
4,3156884	up	noncoding	ENST00000425405	5,5944324	4,5395107	5,5341644	5,53626	6,2018986	3,470519	3,4691973	3,1006985	3,5982075	3,2196903
2,1017446	up	noncoding	uc003djn.3	13,126527	13,601159	13,095628	12,376183	12,51634	11,953015	11,877782	11,864731	11,78195	11,880422
2,1017446	up	noncoding	uc003djn.3	13,126527	13,601159	13,095628	12,376183	12,51634	11,953015	11,877782	11,864731	11,78195	11,880422
2,1017446	up	noncoding	uc003djn.3	13,126527	13,601159	13,095628	12,376183	12,51634	11,953015	11,877782	11,864731	11,78195	11,880422
2,1017446	up	noncoding	uc003djn.3	13,126527	13,601159	13,095628	12,376183	12,51634	11,953015	11,877782	11,864731	11,78195	11,880422
2,2682119	up	noncoding	uc021qjc.1	12,696268	12,779597	12,344688	11,85303	12,456222	11,499345	11,170957	10,838169	11,744768	10,968789
10,9081211	up	noncoding	ENST00000553211	5,989858	4,8146358	6,173962	6,2541676	6,795682	2,7315416	2,402045	2,429177	2,3702428	2,8586454
2,0918976	up	noncoding	ENST00000435300	7,63978	7,6827116	7,4923277	7,324389	7,5175724	6,6006227	6,765636	6,449569	6,2700725	6,2468195
3,4400856	up	noncoding	ENST00000504422	6,9189396	7,204082	6,999703	6,5162983	6,7364197	4,6266823	4,9573736	5,051405	5,722963	5,1047964
2,8119232	up	noncoding	uc002fih.3	10,573189	10,779127	10,62171	10,272058	10,457899	9,110271	9,187658	9,025159	8,883551	9,039558
10,6920724	up	noncoding	ENST00000422374	13,609501	12,304827	13,331766	13,521895	14,259646	9,943984	9,742377	9,596856	10,734337	9,917733
2,3134191	up	noncoding	BQ447661	5,4435344	5,611628	5,237412	5,102211	5,5986705	4,5184555	4,947493	4,886609	3,1876543	3,4031107
3,7450087	up	noncoding	ENST00000522339	5,7127094	5,499551	5,704239	5,820877	6,077804	2,372549	3,947329	4,4537454	4,3067446	4,209967
8,9027181	up	noncoding	NR_038276	5,556303	4,8125744	5,5435934	5,509143	6,2397137	2,3736885	2,402045	2,3715568	2,3702428	2,372565
3,1298949	up	noncoding	ENST00000424851	7,6838665	7,271001	7,7351575	7,930506	8,21259	6,186236	6,0585775	6,1981425	6,0389447	6,1206493
2,08462	up	noncoding	ENST00000558105	6,9808855	6,942396	6,8750534	6,699817	6,794192	5,9068584	6,269421	6,329028	4,9599295	5,528185
2,5209933	up	noncoding	TCONS_00006033	6,0202904	5,2287936	5,5860524	6,5308557	6,327651	4,1381392	4,448886	4,5901885	5,650604	4,195864
2,2280747	up	noncoding	ENST00000523317	5,5527277	5,894316	5,7218575	5,824957	5,7008014	3,7926347	4,585429	4,512223	5,1656284	4,8597565
2,5924529	up	noncoding	ENST00000552026	5,375136	5,4529333	5,248854	5,5264883	5,6399913	4,16475	3,2951386	4,6110487	4,1192846	4,181592
3,6620462	up	noncoding	uc003kuo.3	8,229436	7,1616364	7,9366302	7,813112	9,027128	6,1038866	6,228189	6,0862827	6,1954103	6,190924
3,6620462	up	noncoding	uc003kuo.3	8,229436	7,1616364	7,9366302	7,813112	9,027128	6,1038866	6,228189	6,0862827	6,1954103	6,190924
2,5318357	up	noncoding	NR_026790	14,928805	14,868407	14,913074	14,842124	14,945808	13,554727	13,54049	13,516091	13,6159	13,570091
50,8595214	up	noncoding	uc001zcp.1	9,267227	9,331009	9,340338	8,970546	9,458179	3,5045748	3,1924214	3,843264	3,5090272	3,9757817
6,6392253	up	noncoding	NR_027378	8,77512	8,277928	8,814429	8,8649	9,339681	6,0404115	6,031177	6,258622	5,8071265	6,2796464
2,7920984	up	noncoding	ENST00000570677	7,075692	6,306642	6,7551355	7,2833447	7,3175473	5,0465655	5,5955486	5,490176	5,606757	5,5925655
6,7229945	up	noncoding	ENST00000427063	9,874797	10,130785	9,861085	9,071687	9,576214	7,073691	7,3123646	7,0482516	6,56336	6,771381
2,1606232	up	noncoding	ENST00000577327	5,8855443	5,8987913	5,410453	4,767181	5,613069	4,5237217	4,6418457	4,57299	3,4003277	4,878916
2,1606232	up	noncoding	ENST00000577327	5,8855443	5,8987913	5,410453	4,767181	5,613069	4,5237217	4,6418457	4,57299	3,4003277	4,878916
4,363394	up	noncoding	ENST00000440688	8,110133	8,631622	8,0577345	6,5425534	7,4078007	5,520494	5,031137	5,220803	6,8471994	5,5029564

2,8356868	up	noncoding	ENST00000496217	6,7683697	5,1663094	6,75465	8,2741165	7,657007	5,3391547	5,27505	5,0926332	6,7230477	4,672076
2,2179371	up	noncoding	TCONS_00008438	4,348309	4,700891	4,271407	4,667212	4,110433	2,3697722	3,3292506	3,5916114	4,6889606	2,372565
2,3349211	up	noncoding	ENST00000510155	11,735505	12,019238	11,75596	11,309299	11,612287	10,443172	10,493589	10,246048	10,869706	10,262905
3,6707019	up	noncoding	uc003sxz.3	8,811982	8,231319	8,835168	9,397329	9,524427	7,0666666	7,1295476	7,1496353	7,1850224	6,8890734
7,9652818	up	noncoding	ENST00000446058	5,469371	4,8486342	5,4031296	5,4130716	5,951399	2,3717496	2,402045	2,3715568	2,3702428	2,6013842
7,9652818	up	noncoding	ENST00000446058	5,469371	4,8486342	5,4031296	5,4130716	5,951399	2,3717496	2,402045	2,3715568	2,3702428	2,6013842
7,9652818	up	noncoding	ENST00000446058	5,469371	4,8486342	5,4031296	5,4130716	5,951399	2,3717496	2,402045	2,3715568	2,3702428	2,6013842
5,9005551	up	noncoding	ENST00000557800	6,3443737	5,4739213	6,3769665	6,4029503	6,8761215	3,083943	4,111118	3,44036	4,0957255	3,9389334
12,0202835	up	noncoding	TCONS_00002269	6,6340647	4,8172154	6,5836434	6,8669553	7,3824697	2,3842273	3,3884134	2,6161556	2,5644548	3,3941023
4,7896122	up	noncoding	ENST00000411946	5,457176	5,6174774	5,6157837	4,67951	5,421138	3,4822516	3,6648698	2,8924153	2,3702428	3,0817614
5,7258787	up	noncoding	ENST00000568229	9,284457	9,332128	9,206145	8,705046	9,337765	6,6294484	6,6086016	6,461213	7,096948	6,4818444
7,0820525	up	noncoding	ENST00000417089	7,0208054	5,8431535	6,978786	7,300419	7,854792	4,070445	3,7755628	4,8073287	3,9795327	4,244249
3,1199322	up	noncoding	ENST00000549951	5,5063863	5,2819037	5,642901	5,4462457	5,38075	2,8088384	4,1944027	3,3830078	4,488411	4,1759534
12,0982995	up	noncoding	NR_040001	11,057728	10,631727	11,038014	11,240236	11,471848	7,829425	8,010371	7,778224	6,4808774	7,3569937
8,3622169	up	noncoding	ENST00000559909	8,349585	7,304779	8,034301	7,6134863	8,7110405	5,097708	5,6846533	5,5554175	3,2370987	5,118887
8,3622169	up	noncoding	ENST00000559909	8,349585	7,304779	8,034301	7,6134863	8,7110405	5,097708	5,6846533	5,5554175	3,2370987	5,118887
8,3622169	up	noncoding	ENST00000559909	8,349585	7,304779	8,034301	7,6134863	8,7110405	5,097708	5,6846533	5,5554175	3,2370987	5,118887
2,0171197	up	noncoding	uc010xrf.2	7,202941	7,14538	7,21927	6,803987	7,288048	6,1841364	6,1851907	6,0759215	5,7368727	6,4160213
2,4202726	up	noncoding	AK094629R	6,73278	6,31585	6,541219	6,9490533	7,182471	5,161787	5,222864	6,1973653	5,2073536	5,5561557
2,4202726	up	noncoding	AK094629R	6,73278	6,31585	6,541219	6,9490533	7,182471	5,161787	5,222864	6,1973653	5,2073536	5,5561557
2,4202726	up	noncoding	AK094629R	6,73278	6,31585	6,541219	6,9490533	7,182471	5,161787	5,222864	6,1973653	5,2073536	5,5561557
2,4202726	up	noncoding	AK094629R	6,73278	6,31585	6,541219	6,9490533	7,182471	5,161787	5,222864	6,1973653	5,2073536	5,5561557
2,4202726	up	noncoding	AK094629R	6,73278	6,31585	6,541219	6,9490533	7,182471	5,161787	5,222864	6,1973653	5,2073536	5,5561557
2,4202726	up	noncoding	AK094629R	6,73278	6,31585	6,541219	6,9490533	7,182471	5,161787	5,222864	6,1973653	5,2073536	5,5561557
3,3312495	up	noncoding	TCONS_00024147	15,913579	15,681131	15,831276	15,451908	16,172228	14,172188	13,955887	13,917543	14,137711	14,186476
2,6848729	up	noncoding	uc001zgs.1	11,357062	11,074901	11,367901	11,479746	11,712304	9,950094	9,976257	10,045468	9,857092	10,038734
3,5979893	up	noncoding	ENST00000518865	5,5959396	5,590736	5,5770226	5,197419	7,0771956	3,5026376	4,2212925	4,381668	3,8027086	3,8940516
7,8914912	up	noncoding	uc010qoz.1	7,360052	7,2641907	7,4033866	7,456329	7,398149	4,496045	4,728216	4,941467	4,1834583	3,6314313
7,283839	up	noncoding	ENST00000576169	6,375993	5,7017365	6,2287364	5,1141844	6,635721	2,9433336	3,3016362	3,5049756	2,7898984	3,1930323
6,1366599	up	noncoding	uc011lrg.1	10,641902	11,102181	10,729631	9,56185	10,076771	7,6060076	7,606144	7,3093233	9,11992	7,383672
2,570501	up	noncoding	uc004bxw.3	12,652082	12,406909	12,63957	12,670682	12,934077	11,187476	11,270617	11,438224	11,254751	11,342004
3,0367183	up	noncoding	TCONS_00002502	5,8354545	6,2605953	6,0956826	4,6290603	5,195113	3,4861746	4,3819447	4,5790496	3,5209088	4,0352626
2,2398679	up	noncoding	NR_026788	7,096948	7,3041134	7,124627	6,661444	6,760541	5,650988	6,00342	5,9120703	5,3766627	6,187464
2,3377025	up	noncoding	HMlincRNA814+	5,5445404	4,7392855	5,267872	5,6334686	5,52526	4,5926433	4,281519	4,8769536	3,15515	3,678704
3,3512999	up	noncoding	NR_029407	11,192296	11,203792	11,202788	11,123979	11,271654	9,521471	9,58109	9,527398	9,286017	9,354929
6,1417888	up	noncoding	ENST00000517420	5,8459754	5,278173	5,8564262	5,9948945	6,134875	3,6547296	3,21137	3,5657544	2,493104	3,0920916
4,748746	up	noncoding	ENST00000560819	6,391973	6,699438	6,412399	5,855618	6,6294484	3,477071	4,504556	4,2176948	4,2342796	4,317542
2,0962822	up	noncoding	TCONS_00024760	4,7422996	4,3729296	5,1253657	6,051214	5,6124825	3,7997313	3,5964885	3,9345653	5,2920256	3,942316
2,909927	up	noncoding	ENST00000562232	8,744434	8,329486	8,795759	8,856649	9,217159	7,2984877	7,166412	7,2540975	7,11786	7,401715
2,909927	up	noncoding	ENST00000562232	8,744434	8,329486	8,795759	8,856649	9,217159	7,2984877	7,166412	7,2540975	7,11786	7,401715
2,909927	up	noncoding	ENST00000562232	8,744434	8,329486	8,795759	8,856649	9,217159	7,2984877	7,166412	7,2540975	7,11786	7,401715
2,1145847	up	noncoding	ENST00000479592	6,106501	5,381957	6,059892	5,938208	6,404639	4,4118304	5,1028285	4,776584	5,0310135	5,167069
4,368145	up	noncoding	ENST00000549813	8,950821	9,051893	8,9011755	8,554309	8,993118	6,542816	6,8037844	6,508217	7,07852	6,8828754
3,0758681	up	noncoding	ENST00000496508	5,2796073	4,9703326	5,239496	5,031517	5,37787	3,4585154	3,4641743	3,7915974	3,6666753	3,4128923
2,6300281	up	noncoding	ENST00000551847	6,0454473	6,190173	5,9649496	5,218227	5,670695	4,5123906	5,033915	4,4624653	3,7672105	4,3381195
4,3793076	up	noncoding	NR_037776	10,43361	9,651184	10,49011	10,689783	10,871569	8,339027	8,224493	8,22561	8,395348	8,298264
4,3793076	up	noncoding	NR_037776	10,43361	9,651184	10,49011	10,689783	10,871569	8,339027	8,224493	8,22561	8,395348	8,298264
3,1497015	up	noncoding	uc010lcl.3	13,843348	13,946321	13,906221	13,672936	13,884731	12,1531315	12,170869	12,270781	12,16261	12,22009
3,0577673	up	noncoding	ENST00000579651	6,164573	6,188332	6,1657786	5,7433457	6,8081264	4,605962	5,0946455	4,992549	3,7008975	4,6137085
2,0089893	up	noncoding	ENST00000421851	6,1589065	6,1371145	6,249473	6,4850726	5,8124714	5,585976	5,420306	5,12309	4,8332825	4,848034
3,8772132	up	noncoding	ENST00000453910	7,5469065	7,391077	7,5960836	7,40533	7,959946	5,693199	5,7635274	5,916484	5,1498337	5,6011987
4,5449424	up	noncoding	uc003tbk.4	13,158031	12,5515	13,201092	13,104411	13,609501	11,132368	11,027113	10,717695	10,955431	10,870618
2,3399157	up	noncoding	ENST00000455744	7,629363	6,902098	7,5303473	7,808669	8,179081	6,160784	6,3413944	6,30394	6,639605	6,471552
2,6469888	up	noncoding	ENST00000506942	6,8757057	7,2398424	6,947707	6,29181	6,456525	4,980229	5,17255	5,605798	5,415973	5,6152797
3,0213636	up	noncoding	uc.431+	5,7846003	5,0818152	5,5678253	5,0451074	5,1958637	2,373893	3,649582	4,499975	3,9054508	4,270312
2,3035201	up	noncoding	ENST00000411754	5,615993	4,986138	5,4206343	6,3556914	6,1068015	4,7669845	4,493306	4,5415897	5,0468745	3,6173027
8,1354643	up	noncoding	ENST00000569353	6,2795424	6,5930967	6,205117	5,2066054	6,407084	2,9739845	3,4250073	2,7391205	2,3702428	4,061967
3,4644618	up	noncoding	ENST00000557661	9,054195	7,850953	8,849679	9,24583	10,075823	7,2146535	7,2419515	7,0706043	7,455152	7,1309624
2,9922281	up	noncoding	uc002zcj.2	7,9266076	8,327765	7,997644	6,8600054	7,575104	6,1231875	5,964299	6,286695	6,0833926	6,323451
2,4545674	up	noncoding	ENST00000545631	11,39028	10,90439	11,252962	11,306035	11,739834	10,072097	10,029115	9,97377	10,156546	9,884629
3,1349045	up	noncoding	ENST00000423269	9,049024	9,425175	9,103525	8,201543	8,77055	7,2047873	7,2631736	7,3392086	7,056998	7,443542
3,0055747	up	noncoding	uc004bxz.2	7,677773	7,0605283	7,4497004	7,256789	7,7047796	5,9061937	5,8450365	5,905464	5,6854033	5,8692684
4,7033644	up	noncoding	ENST00000558015	9,112432	8,670321	9,023408	9,108505	9,61942	7,4753294	7,6008997	7,1210413	5,852268	6,316082
2,1432938	up	noncoding	ENST00000510592	8,175632	8,228462	8,135507	7,9015794	8,175005	7,0884748	7,2349415	7,127218	6,5992775	7,0671253
2,9676111	up	noncoding	ENST00000552114	8,049263	8,24587	7,998915	7,3639035	7,928985	6,2760096	6,489818	6,503184	6,08284	6,3885746
5,5854871	up	noncoding	ENST00000483846	5,0824604	4,518557	4,9276013	4,1899924	5,692983	2,3724945	2,402045	2,3715568	2,4845173	2,372565
2,7111659	up	noncoding	ENST00000564261	6,1968827	6,0432935	6,439477	6,2340784	6,261409	5,329787	5,3842645	4,65142	3,3898852	5,225217
2,650734	up	noncoding	ENST00000524824	14,537814	13,871549	14,414483	14,556402	14,983138	13,129949	13,010436	12,85772	13,4024105	12,930911
5,152575	up	noncoding	ENST00000412800	11,504778	10,317815	10,9712	9,884629	11,645246	8,250857	8,142822	8,108604	9,571653	8,423264
10,3771645	up	noncoding	TCONS_00029032	7,785321	7,873827	8,018293	7,6613736	8,114703	4,15912	4,4319005	4,5655885	4,4229927	4,997214

5,6388622	up	noncoding	ENST00000578477	5,647217	4,030932	4,645292	4,837768	5,603891	2,3696315	2,402045	2,3715568	2,7722812	2,372565
5,6388622	up	noncoding	ENST00000578477	5,647217	4,030932	4,645292	4,837768	5,603891	2,3696315	2,402045	2,3715568	2,7722812	2,372565
5,6388622	up	noncoding	ENST00000578477	5,647217	4,030932	4,645292	4,837768	5,603891	2,3696315	2,402045	2,3715568	2,7722812	2,372565
16,3056232	up	noncoding	TCONS_00024784	9,107774	8,219674	9,0888405	9,305812	9,802963	4,8744426	5,1272655	5,231064	5,218854	4,936949
2,9904545	up	noncoding	NR_045213	9,312125	9,270686	9,32228	9,093563	9,424739	7,8314342	7,88107	7,719581	7,542856	7,546628
2,9904545	up	noncoding	NR_045213	9,312125	9,270686	9,32228	9,093563	9,424739	7,8314342	7,88107	7,719581	7,542856	7,546628
2,9904545	up	noncoding	NR_045213	9,312125	9,270686	9,32228	9,093563	9,424739	7,8314342	7,88107	7,719581	7,542856	7,546628
2,2394954	up	noncoding	ENST00000582120	9,605318	9,659	9,613564	9,629053	9,570848	8,720075	8,873118	8,592804	8,101352	7,9745655
4,0469563	up	noncoding	ENST00000506274	6,3249927	6,3399477	6,1448684	5,3846636	6,29927	3,4967287	3,8496861	4,710215	3,810937	4,5419893
10,0091078	up	noncoding	ENST00000455680	8,073474	7,6140084	8,054149	7,980571	8,506682	4,447328	4,983285	4,7987404	4,498403	4,8849206
2,8636125	up	noncoding	ENST00000563684	4,676555	3,895729	4,683224	5,056676	5,422139	3,0744903	3,4616501	3,1581671	2,9682963	3,4825377
2,386866	up	noncoding	TCONS_00012640	7,2008595	7,367006	7,2544165	7,0403543	7,378929	6,0345545	5,8044853	5,822935	6,669772	5,6342306
12,2962911	up	noncoding	ENST00000561847	7,5272665	7,391502	7,4512773	7,1052666	7,8353853	3,7999463	4,3604555	3,7849567	3,614752	3,6498306
12,2962911	up	noncoding	ENST00000561847	7,5272665	7,391502	7,4512773	7,1052666	7,8353853	3,7999463	4,3604555	3,7849567	3,614752	3,6498306
10,9844365	up	noncoding	uc021rnj.1	8,8234825	8,8816185	8,667548	8,341013	8,838939	5,419577	5,805034	5,5703006	4,4562106	5,014534
13,0936771	up	noncoding	uc002eok.1	10,438081	9,971743	10,335802	10,507117	10,896378	6,7447734	6,7653656	6,877376	6,3714905	6,8361235
2,389873	up	noncoding	ENST00000556624	6,872482	7,1056004	6,9339023	6,3022733	6,8594127	5,9264874	5,981586	5,543022	4,918689	5,4192166
6,5553081	up	noncoding	ENST00000366209	5,631342	4,4438095	5,538992	5,050043	6,3967023	2,3735545	2,402045	2,6145298	2,9391584	3,1682832
2,7574319	up	noncoding	NR_027231	8,30663	8,467207	8,394289	7,762744	8,367172	7,212579	6,6174383	6,8753424	6,468574	6,807482
5,3177373	up	noncoding	ENST00000538640	5,475503	5,454918	5,5601687	5,053797	5,817622	3,4395864	3,446929	3,0887098	2,507104	2,825617
6,6111906	up	noncoding	uc001vdx.3	10,76202	10,164431	10,707299	10,918472	11,187476	8,229436	8,241549	8,129192	7,592345	7,9226255
2,1305403	up	noncoding	ENST00000577806	8,142822	8,179081	8,007784	7,9874783	7,879723	7,0896683	7,005706	6,907495	6,711394	7,0265284
4,7056537	up	noncoding	uc010jbc.2	10,038734	9,970902	10,049471	9,80418	10,243773	8,076544	8,151958	7,9638057	6,9731665	7,76961
8,0531132	up	noncoding	ENST00000560810	8,853659	9,204944	8,873118	7,923745	8,615009	5,6599236	5,968081	5,6388927	5,4649653	5,6908793
4,8588291	up	noncoding	NR_026813	11,202788	11,2413435	11,231544	11,170957	11,354994	8,945138	9,060843	9,081148	8,873756	8,837698
2,3109518	up	noncoding	ENST00000454187	6,9083366	6,171838	6,7650146	6,8541694	7,482172	5,6204195	5,757664	5,756965	5,366794	5,6372523
2,3109518	up	noncoding	ENST00000454187	6,9083366	6,171838	6,7650146	6,8541694	7,482172	5,6204195	5,757664	5,756965	5,366794	5,6372523
2,3109518	up	noncoding	ENST00000454187	6,9083366	6,171838	6,7650146	6,8541694	7,482172	5,6204195	5,757664	5,756965	5,366794	5,6372523
3,2788763	up	noncoding	TCONS_00012054	9,363264	8,395964	8,849206	10,910335	10,194562	7,805355	7,8134193	7,629363	8,485677	7,4135094
2,7595442	up	noncoding	ENST00000425991	17,213621	17,201794	17,114456	16,970098	17,09178	15,213297	15,336036	15,19417	16,478601	16,047495
2,7595442	up	noncoding	ENST00000425991	17,213621	17,201794	17,114456	16,970098	17,09178	15,213297	15,336036	15,19417	16,478601	16,047495
2,6490605	up	noncoding	ENST00000442780	9,496556	9,130852	9,279397	8,962083	9,480819	7,632869	7,741013	7,6525226	8,41049	7,8854084
4,4978495	up	noncoding	uc001uxg.3	11,070185	11,002236	11,121667	11,077274	11,325621	8,905586	8,956769	9,096129	8,839658	8,952664
2,7996436	up	noncoding	TCONS_00021939	13,161713	12,396523	12,879336	12,728716	13,501131	11,585716	11,341061	11,223143	11,663562	11,427721
2,1496172	up	noncoding	ENST00000426122	5,147387	4,5973997	4,7389746	5,222269	5,474148	3,57809	4,108163	3,5662637	4,3133273	4,0939355
2,3623499	up	noncoding	NR_045692	5,305105	5,603787	5,420755	4,612895	5,06669	3,6466575	3,929451	3,9852471	3,954851	4,291912
2,3623499	up	noncoding	NR_045692	5,305105	5,603787	5,420755	4,612895	5,06669	3,6466575	3,929451	3,9852471	3,954851	4,291912
2,3623499	up	noncoding	NR_045692	5,305105	5,603787	5,420755	4,612895	5,06669	3,6466575	3,929451	3,9852471	3,954851	4,291912
2,3623499	up	noncoding	NR_045692	5,305105	5,603787	5,420755	4,612895	5,06669	3,6466575	3,929451	3,9852471	3,954851	4,291912
8,9990665	up	noncoding	ENST00000423403	6,258927	5,7074375	6,1265936	5,631342	6,5827894	2,371739	3,4200702	3,3305802	2,3702428	2,9655805
2,1202179	up	noncoding	ENST00000439955	5,1956186	4,80303	5,181004	4,9689474	5,558538	4,0057297	4,0373087	4,1179466	4,013694	4,1113963
3,6650722	up	noncoding	ENST00000559134	5,0601053	5,5345273	5,478416	4,6723733	5,207984	2,3719344	3,293927	3,9009814	3,60613	3,411225
3,6650722	up	noncoding	ENST00000559134	5,0601053	5,5345273	5,478416	4,6723733	5,207984	2,3719344	3,293927	3,9009814	3,60613	3,411225
2,0920243	up	noncoding	TCONS_00004303	6,686713	6,1440086	6,6166105	6,239293	6,8832426	5,755563	5,3150992	5,2968163	5,608386	5,269505
14,3951905	up	noncoding	ENST00000518439	8,176016	8,433359	8,143357	6,7984843	8,041198	4,7513866	3,2656574	2,9812996	5,700426	3,6560698
14,3951905	up	noncoding	ENST00000518439	8,176016	8,433359	8,143357	6,7984843	8,041198	4,7513866	3,2656574	2,9812996	5,700426	3,6560698
14,3951905	up	noncoding	ENST00000518439	8,176016	8,433359	8,143357	6,7984843	8,041198	4,7513866	3,2656574	2,9812996	5,700426	3,6560698
3,0618646	up	noncoding	ENST00000423187	11,819269	10,977146	11,149451	11,097869	12,1239195	9,817843	9,654046	9,501311	10,597975	9,524427
2,0440088	up	noncoding	ENST00000446698	4,275036	5,014938	4,6780944	4,7372293	5,984624	4,079324	3,620436	3,3711398	3,9955611	4,4664536
8,7842788	up	noncoding	ENST00000530600	5,9397006	5,0999937	5,719801	4,6736794	6,4460754	2,3728561	2,402045	2,686922	2,3702428	2,372565
3,4298795	up	noncoding	ENST00000534168	6,879448	6,5823083	6,5680113	8,11142	7,0643296	5,2674866	5,7833705	5,4419746	5,01694	4,804956
3,4298795	up	noncoding	ENST00000534168	6,879448	6,5823083	6,5680113	8,11142	7,0643296	5,2674866	5,7833705	5,4419746	5,01694	4,804956
3,4298795	up	noncoding	ENST00000534168	6,879448	6,5823083	6,5680113	8,11142	7,0643296	5,2674866	5,7833705	5,4419746	5,01694	4,804956
3,4298795	up	noncoding	ENST00000534168	6,879448	6,5823083	6,5680113	8,11142	7,0643296	5,2674866	5,7833705	5,4419746	5,01694	4,804956
9,641347	up	noncoding	ENST00000581724	7,0669875	6,7396135	7,068293	7,4251375	7,6387386	4,625591	4,093793	4,132361	2,8410435	3,899808
3,4577801	up	noncoding	NR_029409	9,000966	7,1862574	8,748455	9,3363495	10,365815	7,0553865	7,0623965	7,0395885	7,595341	6,9358997
5,1828828	up	noncoding	ENST00000546968	5,919195	6,252015	5,886233	5,303852	5,629685	4,0930433	3,7811656	3,2765121	2,7054718	3,2660134
2,1565475	up	noncoding	NR_038977	5,9147325	5,916071	5,943335	5,4794126	5,809237	4,6225023	4,610877	4,725776	4,7925816	4,7674336
4,5457901	up	noncoding	uc003luo.1	5,2847834	5,679871	5,0225067	4,9629507	5,244546	2,3686352	2,402045	3,1685941	3,7308958	3,6018324
4,5457901	up	noncoding	uc003luo.1	5,2847834	5,679871	5,0225067	4,9629507	5,244546	2,3686352	2,402045	3,1685941	3,7308958	3,6018324
2,548462	up	noncoding	ENST00000567129	5,298937	5,462478	5,3483353	5,1042957	5,6393933	3,826752	4,3267317	3,7521338	4,3634157	3,8362718
4,4267259	up	noncoding	ENST00000411727	5,3263826	4,625909	5,0852056	4,891028	5,917606	2,3671794	3,000595	3,5678241	3,5645037	2,6148288
7,0872223	up	noncoding	ENST00000429630	12,508448	12,519291	12,465842	12,353675	12,578408	9,7395115	9,829221	9,77069	9,427164	9,532976
7,0872223	up	noncoding	ENST00000429630	12,508448	12,519291	12,465842	12,353675	12,578408	9,7395115	9,829221	9,77069	9,427164	9,532976
2,4846616	up	noncoding	ENST00000564612	6,9831057	6,794613	6,9487944	6,979066	7,2814035	5,681743	6,074566	5,7355075	5,257073	5,6728463
2,4331915	up	noncoding	TCONS_00013536	7,049975	7,0394325	7,021184	6,68989	6,991017	5,6634016	5,7005205	5,683192	5,650424	5,679711
4,1892922	up	noncoding	ENST00000419736	12,6862135	12,330007	12,471632	12,537517	13,029334	10,48493	10,411119	10,29507	11,219164	10,310888
11,6787945	up	noncoding	ENST00000443221	9,076757	8,606882	8,923351	9,141848	9,525473	5,6608944	5,6293993	5,7265463	4,9221907	5,606183
3,7061375	up	noncoding	NR_027418	10,94799	11,201457	10,963943	10,577641	10,871084	9,030202	8,968248	9,248109	8,748748	9,117226
2,5493356	up	noncoding	ENST00000504019	6,362279	6,3374295	6,30394	5,549569	6,541902	4,834196	4,724477	5,352746	4,344904	5,08819

4,2559964	up	noncoding	ENST00000424205	6,4039207	6,230221	6,4072485	6,4259295	6,7534127	4,5745444	4,4795933	4,413086	4,042673	4,263351
3,2458976	up	noncoding	TCONS_00001584	6,9963384	6,3120856	6,907495	6,7711973	7,5130863	5,443669	5,053283	4,949406	5,1397386	5,4210186
11,3597272	up	noncoding	uc001igh.1	6,824327	6,9292774	6,672878	5,7838564	6,78558	2,3778985	2,402045	3,64309	3,5237086	3,5198953
6,3177432	up	noncoding	ENST00000447265	6,3976874	6,2897663	6,428715	5,9578495	6,4091387	2,3686435	3,9365082	4,167173	3,6042237	4,109562
7,5175631	up	noncoding	ENST00000435412	9,82602	9,001229	9,836028	9,661075	10,514959	6,911499	6,9586296	6,679994	6,912372	6,825491
3,0560729	up	noncoding	ENST00000451152	6,8380637	6,6349835	6,8450084	6,115901	6,6204987	5,268552	5,4814672	5,0458455	4,482685	4,7175107
11,5040452	up	noncoding	ENST00000525833	7,1658545	6,3693795	7,0368547	7,0686755	7,7367196	2,373404	3,7509198	4,19199	3,2504947	4,1903286
2,7789522	up	noncoding	NR_028106	10,65633	9,464714	10,325804	10,073468	11,329027	8,741964	8,698291	8,615193	9,762132	8,659058
12,1976921	up	noncoding	ENST00000437416	6,132177	5,1601076	6,150909	5,789277	6,7429166	2,3695579	2,402045	2,3715568	2,3702428	2,4193032
2,6912918	up	noncoding	ENST00000434047	11,9536	11,602105	11,897058	11,855305	12,095078	10,569006	10,597536	10,301542	10,680851	10,112717
2,0032238	up	noncoding	uc002boc.3	6,8155947	7,0012116	6,6573567	6,4366684	6,2078714	5,282352	5,817726	5,4824486	5,9935064	5,5310516
4,4313864	up	noncoding	BU594464	7,648635	7,4901023	7,5178432	7,1630116	7,976282	5,382787	5,5579824	5,212277	5,540907	5,36313
4,4313864	up	noncoding	BU594464	7,648635	7,4901023	7,5178432	7,1630116	7,976282	5,382787	5,5579824	5,212277	5,540907	5,36313
4,4313864	up	noncoding	BU594464	7,648635	7,4901023	7,5178432	7,1630116	7,976282	5,382787	5,5579824	5,212277	5,540907	5,36313
4,4313864	up	noncoding	BU594464	7,648635	7,4901023	7,5178432	7,1630116	7,976282	5,382787	5,5579824	5,212277	5,540907	5,36313
4,4313864	up	noncoding	BU594464	7,648635	7,4901023	7,5178432	7,1630116	7,976282	5,382787	5,5579824	5,212277	5,540907	5,36313
2,4996648	up	noncoding	ENST00000436266	8,474611	8,165196	8,481844	8,428132	8,838753	7,160393	7,08831	7,1697345	7,1377034	7,223722
3,6207656	up	noncoding	ENST00000564237	10,141106	10,099323	10,1770315	10,072771	10,340323	8,5240135	8,625469	8,410089	7,888157	8,101352
3,8713439	up	noncoding	ENST00000426991	7,300901	7,24692	7,4141483	6,9394875	7,437418	5,37736	5,2201595	5,42646	5,038444	5,512279
4,4639291	up	noncoding	TCONS_00009904	11,261264	10,197631	10,673491	11,059861	11,5731325	8,753059	8,595204	8,456562	9,730384	8,4386
4,5285189	up	noncoding	NR_037969	6,896423	6,231817	6,6382413	6,625563	7,330753	5,000884	4,339132	4,6705823	4,0464206	4,770582
2,680741	up	noncoding	uc003qhq.1	6,4834404	6,6417613	6,5065613	6,359493	6,3657537	5,420755	5,2996984	4,993508	4,6600237	4,8698654
2,680741	up	noncoding	uc003qhq.1	6,4834404	6,6417613	6,5065613	6,359493	6,3657537	5,420755	5,2996984	4,993508	4,6600237	4,8698654
2,680741	up	noncoding	uc003qhq.1	6,4834404	6,6417613	6,5065613	6,359493	6,3657537	5,420755	5,2996984	4,993508	4,6600237	4,8698654
3,3083306	up	noncoding	NR_047525	8,938448	8,023778	8,613849	8,7638235	9,5322	7,2006035	6,898265	6,726258	7,730771	6,685684
10,3942559	up	noncoding	TCONS_00006466	6,9913917	7,1919336	7,017729	6,50065	7,046086	3,6232984	3,8552802	3,8091373	3,1073272	3,4641743
2,9783509	up	noncoding	ENST00000569962	4,973975	5,038967	5,605798	4,771133	5,170084	3,9999247	3,00017	3,5483537	3,51158	3,62736
2,1589063	up	noncoding	TCONS_00007982	9,049796	8,936237	9,150075	8,727892	9,057387	7,9328303	7,852537	7,8925104	7,7834396	7,9085665
3,3054726	up	noncoding	ENST00000426575	8,707038	8,216242	8,628198	8,846674	9,268962	7,086233	7,0884748	7,00603	6,8803854	6,981708
2,5687853	up	noncoding	NR_047553	11,050502	10,390528	10,916383	11,1498995	11,394175	9,796791	9,714227	9,507566	9,356043	9,721429
2,5687853	up	noncoding	NR_047553	11,050502	10,390528	10,916383	11,1498995	11,394175	9,796791	9,714227	9,507566	9,356043	9,721429
2,5687853	up	noncoding	NR_047553	11,050502	10,390528	10,916383	11,1498995	11,394175	9,796791	9,714227	9,507566	9,356043	9,721429
2,5687853	up	noncoding	NR_047553	11,050502	10,390528	10,916383	11,1498995	11,394175	9,796791	9,714227	9,507566	9,356043	9,721429
2,5687853	up	noncoding	NR_047553	11,050502	10,390528	10,916383	11,1498995	11,394175	9,796791	9,714227	9,507566	9,356043	9,721429
2,5687853	up	noncoding	NR_047553	11,050502	10,390528	10,916383	11,1498995	11,394175	9,796791	9,714227	9,507566	9,356043	9,721429
2,5687853	up	noncoding	NR_047553	11,050502	10,390528	10,916383	11,1498995	11,394175	9,796791	9,714227	9,507566	9,356043	9,721429
2,5687853	up	noncoding	NR_047553	11,050502	10,390528	10,916383	11,1498995	11,394175	9,796791	9,714227	9,507566	9,356043	9,721429
2,5687853	up	noncoding	NR_047553	11,050502	10,390528	10,916383	11,1498995	11,394175	9,796791	9,714227	9,507566	9,356043	9,721429
2,5687853	up	noncoding	NR_047553	11,050502	10,390528	10,916383	11,1498995	11,394175	9,796791	9,714227	9,507566	9,356043	9,721429
2,5687853	up	noncoding	NR_047553	11,050502	10,390528	10,916383	11,1498995	11,394175	9,796791	9,714227	9,507566	9,356043	9,721429
18,5332214	up	noncoding	TCONS_00013751	6,9550467	6,8291397	6,967107	6,608898	7,38642	2,3675313	3,7071362	2,6299455	2,6092246	2,372565
3,3448762	up	noncoding	ENST00000527092	9,639271	9,294072	9,782083	9,562596	9,969585	7,6952252	7,867304	7,7024274	8,45151	7,8213763
3,3448762	up	noncoding	ENST00000527092	9,639271	9,294072	9,782083	9,562596	9,969585	7,6952252	7,867304	7,7024274	8,45151	7,8213763
3,3448762	up	noncoding	ENST00000527092	9,639271	9,294072	9,782083	9,562596	9,969585	7,6952252	7,867304	7,7024274	8,45151	7,8213763
3,3448762	up	noncoding	ENST00000527092	9,639271	9,294072	9,782083	9,562596	9,969585	7,6952252	7,867304	7,7024274	8,45151	7,8213763
3,3448762	up	noncoding	ENST00000527092	9,639271	9,294072	9,782083	9,562596	9,969585	7,6952252	7,867304	7,7024274	8,45151	7,8213763
3,3448762	up	noncoding	ENST00000527092	9,639271	9,294072	9,782083	9,562596	9,969585	7,6952252	7,867304	7,7024274	8,45151	7,8213763
3,3448762	up	noncoding	ENST00000527092	9,639271	9,294072	9,782083	9,562596	9,969585	7,6952252	7,867304	7,7024274	8,45151	7,8213763
2,0125059	up	noncoding	ENST00000507869	8,977855	8,486162	8,266184	8,721348	8,855632	7,2766113	7,3187366	7,17431	8,948932	7,543626
2,8403871	up	noncoding	NR_047516	8,10607	7,859332	8,012936	7,920725	8,394289	6,52168	6,639605	6,656302	6,359922	6,5854053
2,8403871	up	noncoding	NR_047516	8,10607	7,859332	8,012936	7,920725	8,394289	6,52168	6,639605	6,656302	6,359922	6,5854053
2,8403871	up	noncoding	NR_047516	8,10607	7,859332	8,012936	7,920725	8,394289	6,52168	6,639605	6,656302	6,359922	6,5854053
2,8403871	up	noncoding	NR_047516	8,10607	7,859332	8,012936	7,920725	8,394289	6,52168	6,639605	6,656302	6,359922	6,5854053
2,8403871	up	noncoding	NR_047516	8,10607	7,859332	8,012936	7,920725	8,394289	6,52168	6,639605	6,656302	6,359922	6,5854053
2,8403871	up	noncoding	NR_047516	8,10607	7,859332	8,012936	7,920725	8,394289	6,52168	6,639605	6,656302	6,359922	6,5854053
2,4698007	up	noncoding	NR_037857	6,3186855	6,004223	6,241751	6,4039207	6,673754	4,9500294	5,1207967	5,0286336	5,185391	4,8355103
3,1726121	up	noncoding	ENST00000551271	5,8839273	5,865864	5,7344337	5,309157	5,8464255	3,900656	4,2305183	4,288884	3,3878849	4,5035086
3,1726121	up	noncoding	ENST00000551271	5,8839273	5,865864	5,7344337	5,309157	5,8464255	3,900656	4,2305183	4,288884	3,3878849	4,5035086
3,5036673	up	noncoding	ENST00000559034	5,79888	5,3172817	5,649723	5,83896	5,8716483	4,277748	3,5371764	4,5320497	3,4465327	3,6386573
3,5036673	up	noncoding	ENST00000559034	5,79888	5,3172817	5,649723	5,83896	5,8716483	4,277748	3,5371764	4,5320497	3,4465327	3,6386573
2,4813934	up	noncoding	TCONS_00029597	6,486538	5,856553	6,3632383	6,58968	6,8708806	5,2355256	4,967681	4,993	4,911406	5,503525
3,2854004	up	noncoding	ENST00000554053	10,721217	11,056332	10,714747	10,030163	10,191224	8,679776	8,721615	8,379741	9,918113	8,434092
3,2854004	up	noncoding	ENST00000554053	10,721217	11,056332	10,714747	10,030163	10,191224	8,679776	8,721615	8,379741	9,918113	8,434092
3,2854004	up	noncoding	ENST00000554053	10,721217	11,056332	10,714747	10,030163	10,191224	8,679776	8,721615	8,379741	9,918113	8,434092
3,2854004	up	noncoding	ENST00000554053	10,721217	11,056332	10,714747	10,030163	10,191224	8,679776	8,721615	8,379741	9,918113	8,434092
4,0291955	up	noncoding	ENST00000414374	5,375918	5,323472	5,697648	4,8559837	5,900705	2,3684044	3,6135354	3,7902756	3,508617	3,8204353
4,0291955	up	noncoding	ENST00000414374	5,375918	5,323472	5,697648	4,8559837	5,900705	2,3684044	3,6135354	3,7902756	3,508617	3,8204353
4,0291955	up	noncoding	ENST00000414374	5,375918	5,323472	5,697648	4,8559837	5,900705	2,3684044	3,6135354	3,7902756	3,508617	3,8204353
4,0291955	up	noncoding	ENST00000414374	5,375918	5,323472	5,697648	4,8559837	5,900705	2,3684044	3,6135354	3,7902756	3,508617	3,8204353

4,0291955	up	noncoding	ENST00000414374	5,375918	5,323472	5,697648	4,8559837	5,900705	2,3684044	3,6135354	3,7902756	3,508617	3,8204353
4,0291955	up	noncoding	ENST00000414374	5,375918	5,323472	5,697648	4,8559837	5,900705	2,3684044	3,6135354	3,7902756	3,508617	3,8204353
15,1806241	up	noncoding	ENST00000442197	12,415091	12,112895	12,43479	12,673337	12,822847	8,557408	8,629569	8,631776	8,802237	8,217174
2,2889298	up	noncoding	ENST00000417843	7,9406056	8,413393	7,986735	7,070823	7,3382187	7,0283175	7,058796	6,861423	5,7833705	6,0445023
2,2491832	up	noncoding	ENST00000513408	10,881834	10,929844	10,92204	10,725489	11,067625	9,629777	9,61496	9,881382	9,761326	9,792381
2,0702215	up	noncoding	ENST00000576494	8,649247	8,272875	8,463239	8,747675	9,040163	7,5318613	7,516387	7,504146	7,856226	7,515653
6,9179816	up	noncoding	ENST00000441820	6,479814	6,0065947	6,362472	6,2573895	6,909494	2,392404	4,389299	3,8811593	4,015379	3,385767
5,1958015	up	noncoding	ENST00000519738	5,1622677	4,3846426	4,9609303	4,2755947	5,8031974	3,1834915	2,402045	2,3715568	2,3702428	2,372565
2,5559512	up	noncoding	TCONS_00005292	5,631171	5,5468183	5,7343545	5,0514584	5,6422467	4,017741	4,2780304	4,21063	3,6901207	4,6402254
5,2369556	up	noncoding	uc001vgl.1	5,2405043	5,0038147	5,06956	5,475503	5,5356383	3,1263864	3,0399725	2,8757856	2,459804	2,87943
2,0074563	up	noncoding	NR_038908	11,03237	10,615541	10,82221	11,566643	11,439091	9,653711	10,24206	10,077411	10,499991	9,975839
2,0074563	up	noncoding	NR_038908	11,03237	10,615541	10,82221	11,566643	11,439091	9,653711	10,24206	10,077411	10,499991	9,975839
2,7430634	up	noncoding	TCONS_00017187	6,6595993	6,270719	6,42036	6,14599	7,0112753	5,1533937	5,276354	5,2864614	4,578601	4,9341936
2,118101	up	noncoding	ENST00000424774	7,58323	6,606682	7,3891816	7,210162	7,986942	6,168441	6,4460754	6,1956534	6,246241	6,30593
11,0841588	up	noncoding	ENST00000535337	9,5322	8,779138	9,409696	9,743322	10,049984	6,1017065	6,233135	6,8840265	5,1976695	5,7456656
3,0076746	up	noncoding	TCONS_00027183	10,962129	11,273012	10,839773	9,988578	10,562784	9,022274	8,9646635	9,005827	9,792381	8,897888
2,4154845	up	noncoding	uc021ybu.1	9,867766	9,494749	9,852544	9,471997	10,193898	8,511251	8,402608	8,567565	8,327765	8,710202
2,4453815	up	noncoding	AK022073	5,0712843	4,7283454	4,91189	3,9126012	4,5881286	2,3681123	3,377015	3,8651812	3,4339495	3,7176938
2,3807178	up	noncoding	ENST00000543150	5,438678	4,7287292	5,2230673	5,342927	6,037448	5,5367956	3,4924648	3,877945	3,4965265	4,1101346
2,3536471	up	noncoding	ENST00000420597	11,508783	11,199787	11,492506	11,572011	11,818573	10,447201	10,408458	10,338214	9,975288	10,248009
8,3002181	up	noncoding	ENST00000478959	5,6606755	4,561321	5,294442	5,8276124	6,023773	2,3725774	2,402045	2,3715568	2,4337513	2,5221472
2,3091089	up	noncoding	ENST00000515310	5,465729	5,3543234	5,6579533	5,3391547	5,628039	4,090439	4,4904165	4,3728333	4,1520762	4,3027534
2,1530746	up	noncoding	TCONS_00013886	5,2327585	4,8230853	5,158252	5,601508	5,4718804	4,6212506	4,3889465	4,490829	3,1202657	4,134201
4,8232464	up	noncoding	uc001vdo.1	9,002893	8,283893	8,933551	9,077221	9,464714	6,749282	6,885438	6,74904	6,335668	6,6928215
4,8232464	up	noncoding	uc001vdo.1	9,002893	8,283893	8,933551	9,077221	9,464714	6,749282	6,885438	6,74904	6,335668	6,6928215
4,8232464	up	noncoding	uc001vdo.1	9,002893	8,283893	8,933551	9,077221	9,464714	6,749282	6,885438	6,74904	6,335668	6,6928215
4,8232464	up	noncoding	uc001vdo.1	9,002893	8,283893	8,933551	9,077221	9,464714	6,749282	6,885438	6,74904	6,335668	6,6928215
4,8232464	up	noncoding	uc001vdo.1	9,002893	8,283893	8,933551	9,077221	9,464714	6,749282	6,885438	6,74904	6,335668	6,6928215
4,8232464	up	noncoding	uc001vdo.1	9,002893	8,283893	8,933551	9,077221	9,464714	6,749282	6,885438	6,74904	6,335668	6,6928215
4,395738	up	noncoding	ENST00000437712	11,882986	11,404133	11,602105	11,694624	12,155148	9,134926	9,160107	8,966051	11,299494	9,497891
2,2679735	up	noncoding	ENST00000570140	11,201034	11,536469	11,221778	10,687096	10,963943	9,8903265	9,980392	10,0317335	9,790927	10,009922
3,2381609	up	noncoding	NR_037888	6,9420886	7,1848655	6,887894	6,291566	6,721152	5,220803	4,9627395	5,4932313	4,9315705	4,9433484
2,3822308	up	noncoding	NR_037649	4,739436	5,0107193	5,16266	3,9969883	4,840696	2,369573	3,5555732	3,5674644	3,6551874	4,3411355
2,3822308	up	noncoding	NR_037649	4,739436	5,0107193	5,16266	3,9969883	4,840696	2,369573	3,5555732	3,5674644	3,6551874	4,3411355
2,2943327	up	noncoding	ENST00000570572	6,234669	6,426446	6,233135	5,1648617	6,337594	5,205957	4,623022	4,563232	4,713347	5,3007746
4,6707824	up	noncoding	NR_046479	10,261605	10,060737	10,278009	11,904481	10,617888	8,435397	8,559704	8,406189	8,798581	7,8045278
3,5039617	up	noncoding	ENST00000573382	10,274203	10,406698	10,128793	9,573286	9,872401	8,420408	8,223964	8,139797	8,011142	8,415135
2,8631929	up	noncoding	NR_001533	9,600664	9,740484	9,632387	8,944142	9,228878	7,535556	7,6290874	7,5265493	9,136975	7,730263
2,062252	up	noncoding	uc002hkb.3	8,126186	8,598711	8,120609	6,653769	7,407639	6,571352	6,723304	6,9781165	6,4840417	6,9289966
2,062252	up	noncoding	uc002hkb.3	8,126186	8,598711	8,120609	6,653769	7,407639	6,571352	6,723304	6,9781165	6,4840417	6,9289966
6,0439886	up	noncoding	ENST00000554458	9,730384	8,652193	8,911626	8,506854	9,5226965	6,3106165	6,142747	6,1654243	7,304927	6,422534
2,6011162	up	noncoding	ENST00000573312	6,8822484	7,049329	7,045533	6,3745484	7,046564	5,521032	5,478416	5,5127845	5,40436	5,585976
2,2701742	up	noncoding	ENST00000569431	4,831614	4,639899	5,2199593	5,0833626	5,298937	3,575756	4,0703335	3,1876543	4,2858586	4,0401545
7,1073422	up	noncoding	ENST00000520306	6,530704	6,0148115	6,4611197	6,571785	7,1149926	3,724724	3,8175697	3,270765	3,5468423	4,186961
2,4426953	up	noncoding	TCONS_00022535	4,3251166	4,1578164	4,2940774	4,261899	3,696654	2,3729339	2,9203436	2,767004	3,567948	2,6649644
2,3865955	up	noncoding	ENST00000413991	5,4531226	5,821931	5,3813543	4,6280785	4,923961	3,9735954	4,205386	4,271943	3,5993934	3,8833594
2,3109358	up	noncoding	AJ001873	5,274729	5,61862	5,2807636	3,6123269	4,312596	3,71615	3,4945803	3,7760916	3,1306427	3,9391851
32,9896745	up	noncoding	ENST00000531363	9,104277	8,364682	9,017711	9,115493	9,727206	4,3958335	4,0812	4,4574175	3,3599632	3,8152416
2,5427545	up	noncoding	ENST00000567025	6,453254	6,589939	6,6115065	6,8546925	6,19302	5,3004403	4,9376125	4,9991026	5,36423	5,3690658
6,6439877	up	noncoding	ENST00000422284	8,028673	7,5957747	7,9987564	8,260942	8,208089	5,0626707	4,9056234	5,252879	5,732399	5,478416
6,6439877	up	noncoding	ENST00000422284	8,028673	7,5957747	7,9987564	8,260942	8,208089	5,0626707	4,9056234	5,252879	5,732399	5,478416
6,6439877	up	noncoding	ENST00000422284	8,028673	7,5957747	7,9987564	8,260942	8,208089	5,0626707	4,9056234	5,252879	5,732399	5,478416
2,5644966	up	noncoding	ENST00000494534	7,2599764	7,040752	7,2876377	6,767124	7,3666296	5,7785497	5,746029	5,8887444	5,453994	6,0614243
2,5245069	up	noncoding	ENST00000558971	11,049822	9,90961	10,65633	10,444434	11,043978	9,107774	9,03929	8,84831	10,119569	9,309223
2,3023201	up	noncoding	ENST00000515466	13,045635	12,431632	12,967707	12,653409	13,342691	11,791037	11,717459	11,503135	11,91283	11,501171
2,3023201	up	noncoding	ENST00000515466	13,045635	12,431632	12,967707	12,653409	13,342691	11,791037	11,717459	11,503135	11,91283	11,501171
4,2360621	up	noncoding	ENST00000432162	8,82935	8,86925	8,852898	8,719624	9,071687	6,608898	6,946976	7,0235763	6,5168366	6,8329034
13,5707913	up	noncoding	uc003qvx.1	7,495135	6,8197575	7,44248	6,89481	7,857697	2,379634	2,9944172	4,0385036	4,0967655	4,1883945
2,0461679	up	noncoding	ENST00000555332	6,6036153	6,3652472	6,3176665	6,153844	6,544356	4,509411	5,4248466	5,474652	5,7746563	5,6365404
9,2228479	up	noncoding	TCONS_00016402	11,156821	9,898488	10,719416	10,080268	11,5066805	7,6641564	7,417708	7,4650726	7,536905	7,25177
2,0432314	up	noncoding	ENST00000428818	7,5372825	7,7866898	7,573176	7,1776466	7,410845	6,5252776	6,5763254	6,542744	6,178077	6,508953
2,8278604	up	noncoding	ENST00000560221	5,185391	5,867397	5,5703006	4,194092	4,7461805	2,3677402	3,7988563	4,131042	4,204682	3,5624862
8,8806851	up	noncoding	ENST00000560323	5,9686356	4,968097	5,8293104	6,086776	6,7220807	3,551383	2,402045	2,9355774	2,3702428	2,5622966
8,8806851	up	noncoding	ENST00000560323	5,9686356	4,968097	5,8293104	6,086776	6,7220807	3,551383	2,402045	2,9355774	2,3702428	2,5622966
2,7368144	up	noncoding	ENST00000508065	12,233323	12,1615715	12,256485	12,251382	12,469335	10,799499	10,800841	10,8984375	10,780596	10,830235
3,3564568	up	noncoding	ENST00000457116	9,97377	9,459957	9,952583	10,325586	10,502129	8,715898	8,754519	8,433751	7,7230096	7,852152
3,2296672	up	noncoding	ENST00000525418	8,0273285	7,4723535	8,061821	8,656557	8,423523	6,368712	6,800539	6,597605	6,1087275	6,309072
3,2296672	up	noncoding	ENST00000525418	8,0273285	7,4723535	8,061821	8,656557	8,423523	6,368712	6,800539	6,597605	6,1087275	6,309072
3,4245196	up	noncoding	ENST00000452356	5,32883	5,903044	5,6196513	5,15943	4,9298472	3,8367188	3,002625	3,7746577	3,7106533	3,7366397
3,5254026	up	noncoding	TCONS_00001416	5,982741	5,70934	5,7952766	5,8402367	5,998617	3,5279617	3,7668655	4,428229	4,1023846	4,4118304

5,3419195	up	noncoding	TCONS_00012534	5,739383	4,932482	5,74269	6,0421815	6,2425847	2,8211994	3,376663	3,3534904	3,2499406	3,8112366
7,8520977	up	noncoding	ENST00000456683	5,5922513	4,9430866	5,343379	5,449823	6,065443	2,3676145	2,870461	2,4205973	2,4973545	2,372565
7,6834999	up	noncoding	ENST00000541870	6,708506	6,384186	6,5573845	5,9316893	6,960142	2,4363818	3,5344691	4,129373	3,5410333	4,1918325
5,4777853	up	noncoding	uc004ahq.1	7,5575943	7,241853	7,433461	7,567451	7,764181	4,951888	5,255452	5,225217	4,7144647	5,149555
4,3562288	up	noncoding	ENST00000412266	9,837077	9,625102	9,788109	9,662299	10,148466	7,657208	7,553235	7,6833315	7,6745605	7,8773193
2,0480206	up	noncoding	ENST00000440441	4,827767	5,123946	4,938756	4,65142	4,485302	3,1146326	3,628223	3,526054	4,045409	4,5417213
13,5774675	up	noncoding	NR_027257	7,113306	6,474577	6,9215765	6,6551666	7,600548	2,3673055	3,367073	4,13325	2,7395184	3,3423147
37,5996003	up	noncoding	ENST00000439703	12,366121	12,473488	12,367468	12,04028	12,335961	7,3116465	7,517381	7,230173	6,4873624	6,873528
2,4632331	up	noncoding	ENST00000543217	6,4176216	6,482876	6,4791584	5,881082	6,373037	5,1199	5,2126236	5,0780687	4,396945	5,323472
2,4632331	up	noncoding	ENST00000543217	6,4176216	6,482876	6,4791584	5,881082	6,373037	5,1199	5,2126236	5,0780687	4,396945	5,323472
2,4632331	up	noncoding	ENST00000543217	6,4176216	6,482876	6,4791584	5,881082	6,373037	5,1199	5,2126236	5,0780687	4,396945	5,323472
6,369504	up	noncoding	ENST00000537965	10,614257	10,620386	10,392213	10,243457	10,798252	7,880355	7,9023733	7,906521	7,766135	7,8572755
6,369504	up	noncoding	ENST00000537965	10,614257	10,620386	10,392213	10,243457	10,798252	7,880355	7,9023733	7,906521	7,766135	7,8572755
6,369504	up	noncoding	ENST00000537965	10,614257	10,620386	10,392213	10,243457	10,798252	7,880355	7,9023733	7,906521	7,766135	7,8572755
3,4946469	up	noncoding	NR_027406	12,397035	12,413328	12,448286	12,302951	12,422004	10,755053	10,757921	10,569615	10,4191265	10,456155
2,8366843	up	noncoding	ENST00000430647	6,170655	6,4774303	6,073557	5,845656	6,323606	4,145745	4,5066423	4,390773	6,1983094	4,1284065
3,0042044	up	noncoding	uc004axt.1	6,8575473	6,8494935	6,849251	6,6158724	7,0482516	5,1047964	5,0774684	5,005092	5,8378506	5,2602935
7,5824107	up	noncoding	AK094629	12,298346	11,908841	12,272085	12,440353	12,749651	9,347462	9,361918	9,543738	9,303896	9,498979
7,5824107	up	noncoding	AK094629	12,298346	11,908841	12,272085	12,440353	12,749651	9,347462	9,361918	9,543738	9,303896	9,498979
7,5824107	up	noncoding	AK094629	12,298346	11,908841	12,272085	12,440353	12,749651	9,347462	9,361918	9,543738	9,303896	9,498979
7,5824107	up	noncoding	AK094629	12,298346	11,908841	12,272085	12,440353	12,749651	9,347462	9,361918	9,543738	9,303896	9,498979
7,5824107	up	noncoding	AK094629	12,298346	11,908841	12,272085	12,440353	12,749651	9,347462	9,361918	9,543738	9,303896	9,498979
7,5824107	up	noncoding	AK094629	12,298346	11,908841	12,272085	12,440353	12,749651	9,347462	9,361918	9,543738	9,303896	9,498979
2,9300012	up	noncoding	ENST00000522771	6,3591385	5,694567	6,4022937	6,345879	6,7481627	4,9095764	4,6991296	4,8680825	4,336859	4,981887
4,9643931	up	noncoding	NR_047537	6,1583815	5,778418	6,230567	5,8758388	6,613205	3,853117	4,2336726	4,0300097	2,861923	4,1196012
4,9643931	up	noncoding	NR_047537	6,1583815	5,778418	6,230567	5,8758388	6,613205	3,853117	4,2336726	4,0300097	2,861923	4,1196012
10,7635658	up	noncoding	HMlincRNA152-	14,598011	15,0215	14,556402	13,192051	13,865621	10,693476	10,626112	10,264731	12,420435	10,08841
3,4572497	up	noncoding	TCONS_00016211	5,1620674	2,5063381	5,066934	4,9576445	5,9857793	2,3714747	3,1861277	2,4223828	2,8396661	3,910988
4,4690545	up	noncoding	ENST00000377977	4,4050393	3,7384582	4,4440994	4,6491046	5,5685964	2,4517217	2,402045	2,4088752	2,3702428	2,372565
28,7911953	up	noncoding	ENST00000521894	7,168267	6,6364665	7,360594	7,125792	7,833534	2,370465	2,402045	2,3715568	2,3702428	2,372565
2,2392716	up	noncoding	uc010zay.1	7,730263	7,739516	7,5939927	7,603552	7,7111726	6,362584	6,4665422	6,49893	6,616436	6,6188564
5,45669	up	noncoding	ENST00000453229	6,4927545	6,341135	6,538079	6,2076583	7,078809	2,4534893	4,7477345	4,6962905	4,4963427	4,0244484
2,4149987	up	noncoding	ENST00000559954	6,6212087	6,073374	6,488499	4,944753	7,1871166	4,4237905	5,019895	4,9649906	5,215223	5,33094
2,4149987	up	noncoding	ENST00000559954	6,6212087	6,073374	6,488499	4,944753	7,1871166	4,4237905	5,019895	4,9649906	5,215223	5,33094
2,9895931	up	noncoding	ENST00000532441	5,5225625	4,908511	5,3033953	5,312452	5,334345	3,1574297	4,2822876	3,383834	3,379081	4,2788877
3,6668897	up	noncoding	uc003ikf.3	7,037144	7,039106	6,9930162	6,870157	7,081985	4,92342	4,788777	5,055464	5,3520412	5,5289216
3,6668897	up	noncoding	uc003ikf.3	7,037144	7,039106	6,9930162	6,870157	7,081985	4,92342	4,788777	5,055464	5,3520412	5,5289216
2,4686044	up	noncoding	ENST00000444887	6,28085	5,9413953	5,9896765	6,90446	6,240237	4,886863	5,15059	4,827601	5,0557804	4,917306
2,6369107	up	noncoding	ENST00000454768	5,951399	5,917744	5,927925	5,6286783	5,9106483	4,520985	4,473177	3,9733605	5,0392866	4,335342
2,6769982	up	noncoding	ENST00000551844	5,639049	5,4408274	5,7414064	6,3815556	5,9973946	4,2809696	4,453109	4,4505825	5,2734327	3,6390584
2,4443233	up	noncoding	TCONS_00011749	9,96438	9,937109	9,833542	9,083559	9,9335575	8,542494	8,58189	8,61225	8,197714	8,370624
2,5017958	up	noncoding	ENST00000530955	8,6531725	8,032571	8,606882	9,013016	9,221413	7,4923277	7,525026	7,5239506	7,067775	7,303155
2,8270995	up	noncoding	ENST00000442957	5,2825427	4,434698	5,219402	5,152841	5,887391	3,0609987	3,2852743	3,7263243	4,041828	4,365836
2,2660864	up	noncoding	ENST00000380722	7,767475	7,633497	7,701862	7,3331094	8,0080595	6,606432	6,6247735	6,539743	6,2237444	6,5482955
2,1402602	up	noncoding	NR_047512	9,668864	9,430322	9,58555	9,73471	9,913629	8,723086	8,736341	8,618535	8,266184	8,499998
2,1402602	up	noncoding	NR_047512	9,668864	9,430322	9,58555	9,73471	9,913629	8,723086	8,736341	8,618535	8,266184	8,499998
2,1402602	up	noncoding	NR_047512	9,668864	9,430322	9,58555	9,73471	9,913629	8,723086	8,736341	8,618535	8,266184	8,499998
2,1402602	up	noncoding	NR_047512	9,668864	9,430322	9,58555	9,73471	9,913629	8,723086	8,736341	8,618535	8,266184	8,499998
2,1402602	up	noncoding	NR_047512	9,668864	9,430322	9,58555	9,73471	9,913629	8,723086	8,736341	8,618535	8,266184	8,499998
2,1402602	up	noncoding	NR_047512	9,668864	9,430322	9,58555	9,73471	9,913629	8,723086	8,736341	8,618535	8,266184	8,499998
2,1402602	up	noncoding	NR_047512	9,668864	9,430322	9,58555	9,73471	9,913629	8,723086	8,736341	8,618535	8,266184	8,499998
2,1402602	up	noncoding	NR_047512	9,668864	9,430322	9,58555	9,73471	9,913629	8,723086	8,736341	8,618535	8,266184	8,499998
2,1402602	up	noncoding	NR_047512	9,668864	9,430322	9,58555	9,73471	9,913629	8,723086	8,736341	8,618535	8,266184	8,499998
2,5454156	up	noncoding	ENST00000520585	8,440514	7,971959	8,432406	8,973486	8,971394	7,188748	7,2460957	7,200313	7,1138105	7,3012857
3,6357767	up	noncoding	ENST00000412669	5,9740763	5,470976	5,8855443	5,4825387	6,5573845	3,8308651	4,153327	4,134042	3,7000248	4,240943
3,6357767	up	noncoding	ENST00000412669	5,9740763	5,470976	5,8855443	5,4825387	6,5573845	3,8308651	4,153327	4,134042	3,7000248	4,240943
3,6357767	up	noncoding	ENST00000412669	5,9740763	5,470976	5,8855443	5,4825387	6,5573845	3,8308651	4,153327	4,134042	3,7000248	4,240943
3,6357767	up	noncoding	ENST00000412669	5,9740763	5,470976	5,8855443	5,4825387	6,5573845	3,8308651	4,153327	4,134042	3,7000248	4,240943
3,6357767	up	noncoding	ENST00000412669	5,9740763	5,470976	5,8855443	5,4825387	6,5573845	3,8308651	4,153327	4,134042	3,7000248	4,240943
5,8894571	up	noncoding	NR_034143	5,037417	4,728216	5,1067	4,3530946	5,4492507	2,3675954	2,402045	2,3715568	2,3702428	2,372565
7,2651	up	noncoding	uc001rgu.1	9,955799	9,590914	10,011482	10,222111	10,394196	7,0852184	7,2641907	7,073547	7,5882916	6,858341
7,2651	up	noncoding	uc001rgu.1	9,955799	9,590914	10,011482	10,222111	10,394196	7,0852184	7,2641907	7,073547	7,5882916	6,858341
6,7115299	up	noncoding	ENST00000468961	10,666825	11,223143	10,712521	9,259543	9,957403	7,475472	7,3844137	6,9969893	8,942219	7,2871327
2,2620277	up	noncoding	NR_027639	9,254529	9,134517	9,263405	9,114053	9,397329	8,021225	7,96618	8,201999	7,835193	8,251153
4,1488472	up	noncoding	ENST00000502253	8,307751	8,455139	8,242817	7,847565	8,381708	6,181873	6,1525636	6,5547347	5,768683	6,313573
2,467722	up	noncoding	uc011kxs.1	11,562912	11,875557	11,559026	11,031114	11,329509	10,08841	10,1505375	10,169939	10,141952	10,29138
2,2402088	up	noncoding	uc002sgb.1	10,820583	10,85133	10,83543	10,800841	11,016284	9,629053	9,759986	9,784915	9,613261	9,719087
48,1681002	up	noncoding	NR_027054	9,329418	8,538607	9,299285	9,369266	9,940745	3,8676443	3,9197555	3,8615746	3,277312	3,601004
2,2448204	up	noncoding	ENST00000428557	11,072304	10,449071	10,915818	10,917906	11,510393	9,899306	9,751708	9,573721	10,080268	9,727489

3,189236	up	noncoding	TCONS_00014235	5,2876363	4,515715	5,038612	4,7797403	5,798291	3,5237086	3,345406	3,6334276	3,234509	3,316889
12,4156888	up	noncoding	uc010myu.1	12,295009	11,308154	12,249032	12,73184	12,952742	8,830946	8,940528	8,720938	8,585961	8,287942
12,2268332	up	noncoding	TCONS_00015426	8,127087	7,6911116	8,221492	8,15829	8,628438	4,444648	4,856554	4,8350306	3,9030576	4,727234
20,0784378	up	noncoding	ENST00000416510	6,808412	5,84164	6,691624	6,9254494	7,4954844	2,3675354	2,402045	2,3715568	2,611032	2,372565
5,0361576	up	noncoding	ENST00000505978	6,8292603	6,19357	6,655459	6,1752114	7,21637	4,2272935	3,9136398	4,436957	4,7691097	4,0612535
3,2896557	up	noncoding	TCONS_00010575	13,711142	12,914735	13,588395	14,418814	14,102317	12,186533	12,156308	11,674019	12,601628	11,527232
2,5656661	up	noncoding	ENST00000433465	10,365815	9,904772	10,264731	10,100339	10,727973	8,923876	8,84831	8,757705	9,228554	8,808518
3,6133635	up	noncoding	TCONS_00008036	13,925838	14,030003	13,95322	13,750672	13,965493	11,966457	11,926276	12,21267	12,095078	12,158033
2,0373258	up	noncoding	uc004dvh.2	8,369463	7,844814	8,132725	7,922098	8,739578	7,2874637	7,2599764	7,203327	6,954793	7,1697345
2,8889978	up	noncoding	ENST00000460796	5,683192	5,831215	5,6820827	5,3454657	5,5578485	3,7024431	3,5197759	4,5483885	4,790314	3,8860369
6,0297267	up	noncoding	NR_034147	5,8956575	5,1088786	5,765989	5,870758	6,2107677	2,3696074	3,032002	3,3003788	3,293422	3,8961775
2,6019865	up	noncoding	TCONS_00024710	5,7475047	5,315174	5,4884567	5,703843	6,0571117	4,012369	3,4872148	3,5594893	5,768858	4,5860915
3,8786635	up	noncoding	uc021wdt.1	5,422288	5,390466	5,5628943	5,1912584	5,96001	2,372439	4,243168	3,9899483	3,5396523	3,603911
2,288397	up	noncoding	ENST00000431095	7,2774324	6,8052993	7,233157	8,17367	7,875108	6,3371763	6,60935	6,171838	7,017729	5,2568865
2,4276092	up	noncoding	ENST00000450365	5,567791	5,524337	5,3887095	5,252041	5,123946	3,955119	3,3409166	3,5624862	5,467907	4,1327147
2,1036335	up	noncoding	ENST00000447297	5,5781097	5,084937	5,700164	6,1479588	6,165035	4,758714	4,492109	4,504028	4,892194	4,6647425
2,7384713	up	noncoding	ENST00000514201	9,086078	8,644816	8,969833	8,600233	9,417328	7,554281	7,6463323	7,2238207	7,512184	7,5148163
4,6798187	up	noncoding	ENST00000575924	10,356598	9,218684	9,830912	9,677568	10,59011	7,5687284	7,6399837	7,6667757	7,9757557	7,6903653
2,6870238	up	noncoding	ENST00000422649	9,64563	9,706538	9,63176	8,808518	9,382238	7,9720497	7,8129487	7,8157372	8,428406	8,015497
2,3350065	up	noncoding	ENST00000450973	6,8898396	6,677673	6,908988	6,849881	7,439224	5,992108	5,8616123	5,886427	5,11519	5,7931356
3,3129238	up	noncoding	NR_028326	10,277214	10,25488	10,307476	10,231705	10,428427	8,422892	8,55471	8,614527	8,525406	8,741642
3,2811333	up	noncoding	BM699739	10,619223	10,108766	10,41609	10,568399	11,020566	8,881783	8,830264	8,521339	9,051723	8,876964
14,9789333	up	noncoding	NR_038840	6,7829285	6,6729755	6,4684763	5,948508	6,412096	2,368861	2,402045	2,7831666	2,8340318	2,372565
4,7957957	up	noncoding	uc001gch.1	14,414483	14,522534	14,505196	14,341119	14,518841	12,169795	12,227332	12,297655	12,166662	12,131878
29,28926	up	noncoding	ENST00000570153	8,221146	7,7136154	8,22234	8,088302	8,61692	3,5082092	3,4045942	2,9972713	3,2424295	3,34832
2,0853673	up	noncoding	ENST00000522019	5,312253	4,9117966	4,82458	5,4350247	5,271831	3,5384817	4,499152	4,1162043	3,7711391	4,5290008
4,479689	up	noncoding	uc001fts.4	6,538517	5,913068	6,239293	6,171338	7,2733784	4,210279	4,569861	4,648503	4,2195225	3,670436
2,3561698	up	noncoding	NR_024011	9,687761	9,883919	9,784279	9,511621	9,626242	8,774889	8,8717375	8,607958	7,838137	8,218883
2,5389066	up	noncoding	uc002iot.2	5,351894	5,2108192	4,9699965	4,665323	4,951575	2,3681908	3,8573618	3,949359	4,649854	3,6038055
2,1696976	up	noncoding	ENST00000567905	5,364985	5,3327146	5,5226865	5,779653	5,45894	4,433385	4,5680523	4,3055243	3,8933892	4,6711583
2,4524024	up	noncoding	ENST00000420168	9,863651	9,4794	9,743322	9,744713	10,216526	8,576803	8,552401	8,702672	8,126767	8,6179905
24,1865787	up	noncoding	ENST00000503242	7,274794	6,5698185	7,184232	7,4783387	7,7797494	2,5467722	2,402045	2,4829261	2,7559595	3,1185558
24,1865787	up	noncoding	ENST00000503242	7,274794	6,5698185	7,184232	7,4783387	7,7797494	2,5467722	2,402045	2,4829261	2,7559595	3,1185558
6,7633274	up	noncoding	ENST00000526308	7,483678	7,439224	7,5736403	7,0903726	7,834179	4,8206167	4,509991	5,0228477	4,4681225	4,81085
3,2063431	up	noncoding	NR_026812	10,298274	9,972891	10,323333	11,942642	10,615541	8,912048	9,102242	8,90206	9,300311	8,531376
2,790647	up	noncoding	NR_029413	5,917606	5,688178	5,611064	5,1138353	5,1284018	3,7175708	4,1216807	4,4042487	4,030932	3,7816548
2,790647	up	noncoding	NR_029413	5,917606	5,688178	5,611064	5,1138353	5,1284018	3,7175708	4,1216807	4,4042487	4,030932	3,7816548
7,342249	up	noncoding	TCONS_00003588	9,315637	8,27081	9,097209	9,216007	10,176723	6,4516273	6,0877604	6,4019628	6,4284873	6,325438
2,2931753	up	noncoding	ENST00000414633	7,4515467	7,1434464	7,1971684	7,536905	7,545596	5,876939	6,232583	6,0036283	6,6158724	6,1589065
2,2931753	up	noncoding	ENST00000414633	7,4515467	7,1434464	7,1971684	7,536905	7,545596	5,876939	6,232583	6,0036283	6,6158724	6,1589065
5,9386824	up	noncoding	NR_047542	5,103331	5,1238174	4,81225	4,8283405	5,8263383	2,3680077	2,402045	2,957479	2,3702428	2,7455883
5,9386824	up	noncoding	NR_047542	5,103331	5,1238174	4,81225	4,8283405	5,8263383	2,3680077	2,402045	2,957479	2,3702428	2,7455883
13,8113286	up	noncoding	ENST00000540625	8,340361	6,3973265	8,111068	8,529536	9,338202	4,0557675	4,336646	4,450664	4,490829	4,443686
13,8113286	up	noncoding	ENST00000540625	8,340361	6,3973265	8,111068	8,529536	9,338202	4,0557675	4,336646	4,450664	4,490829	4,443686
7,1375556	up	noncoding	ENST00000524166	6,9034047	6,217827	6,806663	6,678758	7,3617606	3,737195	4,0457454	3,9910083	3,4200702	4,597244
3,118394	up	noncoding	NR_040599	10,577191	10,914201	10,632467	10,095679	10,208701	8,901494	9,041216	8,807416	8,873357	8,60074
3,118394	up	noncoding	NR_040599	10,577191	10,914201	10,632467	10,095679	10,208701	8,901494	9,041216	8,807416	8,873357	8,60074
2,1904544	up	noncoding	ENST00000576093	8,008861	7,535677	8,080602	7,857697	8,331174	6,7922015	6,925162	6,883506	6,5065613	7,0504293
6,0497883	up	noncoding	ENST00000583427	6,963458	6,9665394	6,8852015	5,9197154	7,001545	4,5964174	4,683789	4,158625	3,5744224	3,7387822
3,8480236	up	noncoding	uc010dko.3	7,0866823	7,545097	7,179134	5,812934	6,6987085	4,787293	4,9964743	5,2133713	4,383685	5,221144
15,7988423	up	noncoding	ENST00000421455	6,6909103	5,9844327	6,5909395	6,3863006	6,8836412	2,5162945	2,402045	2,651522	2,6850631	2,372565
2,5154272	up	noncoding	ENST00000583985	5,074907	4,629507	5,2135086	5,7014904	5,3657722	2,560238	4,64625	3,845361	3,879118	4,400201
7,7728022	up	noncoding	TCONS_00016498	8,178286	8,421857	8,294483	7,7503633	8,169544	4,893055	5,5489845	5,6111765	5,008139	4,9610043
3,4836277	up	noncoding	NR_038269	6,4651594	6,4949265	6,472791	6,395684	6,728669	4,6151977	4,900793	4,932612	4,215245	4,89043
4,1104378	up	noncoding	ENST00000429350	6,512417	5,52669	6,733092	6,91515	7,491312	4,801362	3,7892737	4,700303	4,58781	5,103452
4,1104378	up	noncoding	ENST00000429350	6,512417	5,52669	6,733092	6,91515	7,491312	4,801362	3,7892737	4,700303	4,58781	5,103452
4,1104378	up	noncoding	ENST00000429350	6,512417	5,52669	6,733092	6,91515	7,491312	4,801362	3,7892737	4,700303	4,58781	5,103452
2,598596	up	noncoding	ENST00000520870	5,2980614	4,464962	5,266179	5,426366	6,080057	4,158223	4,1488614	4,32664	3,1714554	3,8417838
3,2984797	up	noncoding	TCONS_00028459	7,7644796	6,872735	7,209392	7,8787303	7,7718883	5,964131	5,8789487	5,9697156	5,3605127	5,714911
2,5011129	up	noncoding	ENST00000454709	5,8924165	5,981285	6,0565186	5,7260056	6,3091536	4,6068425	4,5837717	4,6054573	5,0495634	4,5068936
3,4467921	up	noncoding	HMlincRNA181+	6,4001365	5,6427603	6,163638	6,0330925	6,6520004	4,3594365	4,427982	4,4545026	4,241093	4,4823422
3,3985421	up	noncoding	TCONS_00024244	11,133118	10,46705	11,118303	11,344738	11,605321	9,340492	9,36745	9,488817	9,225955	9,421236
9,9709871	up	noncoding	ENST00000413324	5,92736	4,616607	5,9158807	5,4886	6,5250473	2,3684037	2,402045	2,3715568	2,3702428	2,372565
2,6318969	up	noncoding	BE043072	9,673718	9,130081	9,434821	9,61496	10,106269	8,237546	8,217435	7,9740887	8,640984	7,9092803
2,6318969	up	noncoding	BE043072	9,673718	9,130081	9,434821	9,61496	10,106269	8,237546	8,217435	7,9740887	8,640984	7,9092803
2,6318969	up	noncoding	BE043072	9,673718	9,130081	9,434821	9,61496	10,106269	8,237546	8,217435	7,9740887	8,640984	7,9092803
6,5481183	up	noncoding	ENST00000510240	7,5755134	6,637055	7,1228547	7,5150547	8,325752	4,9623337	4,712248	4,7623754	4,6064954	4,5773754
4,0607322	up	noncoding	TCONS_00018461	7,02983	6,4860287	6,5407567	7,132299	7,2760396	4,437108	4,257045	4,559417	6,685586	4,4170985
130,8485004	up	noncoding	ENST00000577743	9,539744	9,5234585	9,634708	9,372263	9,676121	2,3852203	2,94432	2,3715568	2,5138645	2,372565
3,2498713	up	noncoding	ENST00000550223	11,232281	9,908101	11,160406	10,452928	11,995199	9,199833	9,129714	9,125683	9,421839	9,369933

4,9953976	up	noncoding	ENST00000391707	8,42949	8,423967	8,435947	8,050424	8,623236	5,932095	6,157161	6,0885615	6,151679	6,03057
3,0778427	up	noncoding	ENST00000475089	9,589931	9,484201	9,592374	9,565229	9,768302	8,09536	8,172135	8,025894	7,7132716	7,883779
3,0778427	up	noncoding	ENST00000475089	9,589931	9,484201	9,592374	9,565229	9,768302	8,09536	8,172135	8,025894	7,7132716	7,883779
3,0778427	up	noncoding	ENST00000475089	9,589931	9,484201	9,592374	9,565229	9,768302	8,09536	8,172135	8,025894	7,7132716	7,883779
3,3262025	up	noncoding	ENST00000439926	10,631727	9,18384	10,562784	10,861764	11,336687	8,810105	8,666623	8,615521	9,014173	8,801
4,5247231	up	noncoding	ENST00000423742	9,512174	9,540038	9,570486	9,11629	9,600251	7,2067275	7,319813	7,524875	7,0799394	7,3187366
8,4228277	up	noncoding	uc003mwn.1	9,341529	10,243457	9,157177	7,5800734	8,393779	5,235181	5,7002287	5,8896446	6,4817333	6,0377045
8,4228277	up	noncoding	uc003mwn.1	9,341529	10,243457	9,157177	7,5800734	8,393779	5,235181	5,7002287	5,8896446	6,4817333	6,0377045
8,4228277	up	noncoding	uc003mwn.1	9,341529	10,243457	9,157177	7,5800734	8,393779	5,235181	5,7002287	5,8896446	6,4817333	6,0377045
8,4228277	up	noncoding	uc003mwn.1	9,341529	10,243457	9,157177	7,5800734	8,393779	5,235181	5,7002287	5,8896446	6,4817333	6,0377045
8,4228277	up	noncoding	uc003mwn.1	9,341529	10,243457	9,157177	7,5800734	8,393779	5,235181	5,7002287	5,8896446	6,4817333	6,0377045
5,2390279	up	noncoding	ENST00000553165	7,348497	6,707009	7,285375	7,5921135	7,7411566	5,038264	4,885964	4,599708	5,22066	4,9830594
5,2390279	up	noncoding	ENST00000553165	7,348497	6,707009	7,285375	7,5921135	7,7411566	5,038264	4,885964	4,599708	5,22066	4,9830594
5,2390279	up	noncoding	ENST00000553165	7,348497	6,707009	7,285375	7,5921135	7,7411566	5,038264	4,885964	4,599708	5,22066	4,9830594
3,3548818	up	noncoding	ENST00000338711	9,675038	10,013446	9,583449	8,691855	9,2519045	7,5343065	7,521118	7,503974	8,202322	7,7226624
4,6329557	up	noncoding	ENST00000446406	8,059069	7,624775	8,038149	7,819882	8,449153	5,7380986	5,5547276	5,7025285	6,0148115	5,9211974
6,0434543	up	noncoding	NR_024373	11,933799	11,718036	11,9536	11,940807	12,197123	9,448354	9,558755	9,406651	9,273243	9,079495
4,0483236	up	noncoding	ENST00000452055	17,131931	16,91156	17,064245	16,754139	17,028942	14,901631	14,782039	14,650084	15,507045	14,963395
3,3795351	up	noncoding	ENST00000457390	13,169845	12,90684	13,161713	13,256554	13,471972	11,574112	11,663562	11,5782795	11,065226	11,3016205
7,2438747	up	noncoding	NR_045196	12,05778	11,672603	12,04934	12,252805	12,549196	9,373909	9,343378	9,364772	8,955248	9,260609
4,662026	up	noncoding	ENST00000580270	7,66292	7,4258027	7,68259	7,374429	7,8314342	5,4292126	5,051185	5,424425	5,252536	5,715032
4,662026	up	noncoding	ENST00000580270	7,66292	7,4258027	7,68259	7,374429	7,8314342	5,4292126	5,051185	5,424425	5,252536	5,715032
4,662026	up	noncoding	ENST00000580270	7,66292	7,4258027	7,68259	7,374429	7,8314342	5,4292126	5,051185	5,424425	5,252536	5,715032
16,8900484	up	noncoding	ENST00000558086	6,638762	6,276277	6,7634478	6,2827063	7,1056004	2,580955	2,7704444	2,5820785	2,3702428	2,372565
6,2503068	up	noncoding	NR_024492	11,35207	10,706544	11,340278	11,68934	11,860947	8,80184	8,77055	8,759148	8,671505	8,726501
9,7852259	up	noncoding	ENST00000580770	10,817495	9,846902	10,655328	10,283086	11,434138	7,3729687	7,2220135	7,1012783	7,503249	7,3844137
9,7852259	up	noncoding	ENST00000580770	10,817495	9,846902	10,655328	10,283086	11,434138	7,3729687	7,2220135	7,1012783	7,503249	7,3844137
8,8524636	up	noncoding	ENST00000570137	10,968789	10,797529	10,926505	10,944806	11,376343	7,7864304	7,955046	7,867304	7,828187	7,8466096
4,0944659	up	noncoding	ENST00000569655	5,845656	5,214766	5,8768063	5,334429	6,1832685	2,3716745	3,7845685	4,3270555	3,465321	4,33793
4,3709719	up	noncoding	TCONS_00006124	4,8106666	4,490125	5,1412325	5,42646	5,7575355	2,370066	3,1864476	2,7924078	3,32002	3,3173077
2,6810466	up	noncoding	TCONS_00017504	7,6165733	7,5811076	7,584541	6,93242	7,6194806	6,019395	6,067382	6,186804	5,651251	6,295309
2,6810466	up	noncoding	TCONS_00017504	7,6165733	7,5811076	7,584541	6,93242	7,6194806	6,019395	6,067382	6,186804	5,651251	6,295309
2,3479899	up	noncoding	TCONS_00017354	5,512585	5,033796	5,3834896	4,9566526	5,5885377	3,677987	3,9771488	4,3337536	3,9226794	4,406361
2,1133453	up	noncoding	ENST00000508241	11,482444	11,064494	11,327914	11,250563	11,758575	10,137425	10,103954	10,023688	10,802154	10,4191265
7,858017	up	noncoding	ENST00000554369	9,76714	9,486507	9,751082	9,64282	10,041083	6,869658	6,804863	6,882667	6,431229	6,8293886
10,5776853	up	noncoding	ENST00000537525	8,151297	6,3801975	8,066013	8,4793215	9,157544	4,7171702	4,7210097	4,3006296	4,7551622	4,725641
10,5776853	up	noncoding	ENST00000537525	8,151297	6,3801975	8,066013	8,4793215	9,157544	4,7171702	4,7210097	4,3006296	4,7551622	4,725641
2,0903858	up	noncoding	ENST00000524005	4,8384767	4,6411667	4,494372	4,3503423	4,7848144	3,8691516	3,9512186	3,2278428	2,7413406	4,0007725
2,0903858	up	noncoding	ENST00000524005	4,8384767	4,6411667	4,494372	4,3503423	4,7848144	3,8691516	3,9512186	3,2278428	2,7413406	4,0007725
4,2158301	up	noncoding	TCONS_00001441	5,9463587	5,7633767	6,094298	5,397156	5,9014072	4,4657526	2,915078	4,145745	2,9212024	4,275735
2,4654401	up	noncoding	uc004axb.2	9,218684	9,173289	9,259922	9,01563	9,449835	7,8466096	7,7983985	8,023424	7,8225765	8,1171255
9,0432434	up	noncoding	NR_047569	13,495356	12,6376705	13,419481	13,281089	14,085485	10,341328	10,231705	10,023933	10,336033	10,101881
3,2669143	up	noncoding	ENST00000448211	10,474467	9,634708	10,172307	9,866216	10,929844	8,570967	8,424095	8,402879	8,658798	8,48116
4,439663	up	noncoding	ENST00000451225	9,266055	8,752073	9,099488	9,182309	9,557791	7,1286016	6,9501166	6,740546	6,8910084	7,3951926
2,7060264	up	noncoding	TCONS_00014220	6,6869106	6,2956886	6,656904	6,59579	6,838407	5,2951517	5,115683	5,0363817	5,5904417	4,8551626
18,4434758	up	noncoding	ENST00000431695	7,005375	7,172962	7,059184	7,0698204	6,840121	2,5620487	2,402045	2,8915591	2,7150116	3,5516047
6,1890635	up	noncoding	ENST00000548271	8,60849	8,697733	8,686805	8,352163	8,586388	6,30097	6,327347	5,6951714	5,4805164	5,9789686
6,6738082	up	noncoding	ENST00000445814	9,241261	10,146704	9,229149	5,943825	6,732314	5,9419193	6,0835767	5,997068	5,4582896	4,1198483
8,1681772	up	noncoding	uc003ndk.1	7,0323577	6,540099	7,0340047	6,9964724	7,573453	3,7996259	3,5960848	3,9161556	4,8954835	3,8189662
2,2503448	up	noncoding	ENST00000537764	7,2956514	6,5988727	7,0738473	7,426364	7,6535773	6,127601	6,4098525	6,156727	5,454503	6,0488987
7,884246	up	noncoding	NR_046473	5,4578843	5,5169864	5,479253	5,1530356	5,7023516	2,3696423	2,402045	2,4337018	2,7305672	2,4786906
2,9960552	up	noncoding	ENST00000521888	10,227287	9,987561	10,209186	10,005144	10,59325	8,785011	8,663567	8,555851	8,428132	8,674546
5,6891282	up	noncoding	ENST00000567732	16,2258	16,203463	16,2258	16,239946	16,525414	13,891827	13,917543	13,765665	13,664995	13,639355
8,2824382	up	noncoding	ENST00000538790	9,223119	8,513372	9,192466	9,390974	9,740484	6,150423	6,2031136	6,4841375	5,6689878	6,3034754
3,4426246	up	noncoding	uc003orh.1	9,239824	9,0876	9,06811	9,012594	9,329721	7,486291	7,4358325	7,516246	7,0557885	7,3261466
2,3280872	up	noncoding	NR_027103	6,663911	5,9132423	6,3402224	6,2990093	6,770829	4,702791	5,2753153	5,11315	5,008552	5,7916803
6,8384925	up	noncoding	NR_002795	8,637002	8,308762	8,570668	8,308762	8,953608	5,728866	5,8468323	5,7742357	6,163868	5,3966084
3,2521174	up	noncoding	ENST00000568752	7,520783	7,498646	7,6603885	7,7579885	7,991077	5,951399	5,6854033	6,0513377	6,3604274	5,873419
12,1819324	up	noncoding	ENST00000522718	8,779678	8,382821	8,837108	8,281162	9,177397	5,3534527	5,2422614	5,0657463	4,5433908	5,2199593
2,4581706	up	noncoding	ENST00000454551	5,1447077	5,144057	4,784128	4,107475	5,5050693	3,59865	3,502431	3,3465695	3,6502886	4,0995727
2,0461224	up	noncoding	ENST00000548141	6,5627623	6,371879	6,375993	5,9684296	6,563669	4,930662	5,293102	5,409214	5,4963083	5,5489845
10,1957401	up	noncoding	uc001vvr.1	10,273291	10,298274	10,288061	10,10287	10,38226	7,3855352	7,572829	6,9478855	6,483372	6,2056613
2,3844959	up	noncoding	ENST00000541575	6,68104	6,7427874	6,8548365	6,3063936	6,9016595	4,9288807	5,3851748	5,784471	5,229327	5,890442
2,3844959	up	noncoding	ENST00000541575	6,68104	6,7427874	6,8548365	6,3063936	6,9016595	4,9288807	5,3851748	5,784471	5,229327	5,890442
2,3844959	up	noncoding	ENST00000541575	6,68104	6,7427874	6,8548365	6,3063936	6,9016595	4,9288807	5,3851748	5,784471	5,229327	5,890442
2,3844959	up	noncoding	ENST00000541575	6,68104	6,7427874	6,8548365	6,3063936	6,9016595	4,9288807	5,3851748	5,784471	5,229327	5,890442
2,519595	up	noncoding	TCONS_00000982	4,8737836	6,1657786	5,982448	5,6815124	5,960641	3,7760916	4,857298	4,3868527	4,899653	4,078309
3,0845647	up	noncoding	uc010tki.2	8,502436	8,119987	8,333222	8,621221	8,830946	6,8013344	7,0758076	7,0547066	6,6907024	6,6599264
70,4274997	up	noncoding	ENST00000440570	12,535994	12,024309	12,486949	12,749651	12,997562	6,858022	6,9554906	6,586073	5,815487	5,8890576
2,7312112	up	noncoding	ENST00000513011	8,574381	8,528192	8,539082	8,3905115	8,806512	7,2371798	7,3668723	7,160189	6,652864	7,173869

4,0810364	up	noncoding	ENST00000569134	8,729252	8,569513	8,749675	8,460378	8,987014	6,5680113	6,8928795	6,7457776	6,345484	6,7990017
2,1767138	up	noncoding	AL117652	6,3521504	6,386105	6,051478	6,7214847	6,0962863	5,0198073	4,7572823	5,2413163	5,936768	5,041572
2,0337119	up	noncoding	uc021vxq.1	4,6239843	4,690236	4,9958816	4,2313533	5,256696	4,000277	3,8431628	3,6296682	3,3773155	3,827151
2,0337119	up	noncoding	uc021vxq.1	4,6239843	4,690236	4,9958816	4,2313533	5,256696	4,000277	3,8431628	3,6296682	3,3773155	3,827151
5,3556827	up	noncoding	ENST00000399711	9,378819	9,84357	9,267441	7,8819766	8,627506	6,4471073	6,5416155	6,429506	6,855442	6,6202893
5,4674984	up	noncoding	ENST00000436820	5,753113	4,8946414	5,409504	5,4391932	6,0163713	3,4579399	2,402045	2,6712344	3,057083	3,6701162
3,5506073	up	noncoding	NR_026837	9,168414	8,849679	8,955248	9,36745	9,20096	7,639532	7,4989386	7,3745704	6,6425996	7,2457814
3,0701082	up	noncoding	TCONS_00016398	7,289431	7,027305	7,2730136	6,8532867	7,6432385	5,3597674	5,474028	5,9591455	5,4495444	5,752342
2,6016206	up	noncoding	ENST00000429932	6,414955	5,2688727	5,7060266	5,485759	6,3323116	4,114345	4,653281	4,569039	4,1607666	4,8134403
2,5621712	up	noncoding	uc001bbe.1	7,1503944	7,085714	7,100525	6,796548	7,195549	5,744664	5,8688927	5,7014904	5,548039	5,67881
2,0132334	up	noncoding	ENST00000541002	4,9812555	4,9354434	5,0442014	4,3741236	4,9894257	3,3908877	3,9035234	3,9829855	4,3954124	3,6040685
2,0132334	up	noncoding	ENST00000541002	4,9812555	4,9354434	5,0442014	4,3741236	4,9894257	3,3908877	3,9035234	3,9829855	4,3954124	3,6040685
2,0132334	up	noncoding	ENST00000541002	4,9812555	4,9354434	5,0442014	4,3741236	4,9894257	3,3908877	3,9035234	3,9829855	4,3954124	3,6040685
2,0132334	up	noncoding	ENST00000541002	4,9812555	4,9354434	5,0442014	4,3741236	4,9894257	3,3908877	3,9035234	3,9829855	4,3954124	3,6040685
2,0132334	up	noncoding	ENST00000541002	4,9812555	4,9354434	5,0442014	4,3741236	4,9894257	3,3908877	3,9035234	3,9829855	4,3954124	3,6040685
2,0132334	up	noncoding	ENST00000541002	4,9812555	4,9354434	5,0442014	4,3741236	4,9894257	3,3908877	3,9035234	3,9829855	4,3954124	3,6040685
2,4614004	up	noncoding	NR_039978	8,012936	7,9106183	7,9590178	8,028673	8,199553	6,9372406	6,727534	6,787977	6,5331964	6,6274533
2,4614004	up	noncoding	NR_039978	8,012936	7,9106183	7,9590178	8,028673	8,199553	6,9372406	6,727534	6,787977	6,5331964	6,6274533
2,8781625	up	noncoding	ENST00000546397	5,6079993	5,853692	5,6529403	5,2538753	5,6852775	4,075342	3,7457638	4,4248953	4,2376866	3,9443564
2,9439581	up	noncoding	NR_024552	7,538213	7,185766	7,551294	7,3113756	8,159739	5,9027658	5,8446507	6,1583815	5,5649858	6,486818
2,872478	up	noncoding	NR_028075	5,9331174	5,5131335	5,9154468	5,428753	6,0883117	4,2513976	3,778242	4,3679843	4,5781407	4,2915187
2,872478	up	noncoding	NR_028075	5,9331174	5,5131335	5,9154468	5,428753	6,0883117	4,2513976	3,778242	4,3679843	4,5781407	4,2915187
2,872478	up	noncoding	NR_028075	5,9331174	5,5131335	5,9154468	5,428753	6,0883117	4,2513976	3,778242	4,3679843	4,5781407	4,2915187
4,7088446	up	noncoding	NR_038286	7,3684464	7,288176	7,374305	6,872848	7,5844297	5,7151375	5,381481	4,974597	4,835152	4,404972
2,7429214	up	noncoding	ENST00000565292	4,5221133	5,1847706	4,624654	3,7873597	5,557178	2,3718452	3,214068	3,9446685	3,2440002	3,6229274
2,7641355	up	noncoding	ENST00000427054	5,9953017	5,3624454	5,7874703	6,3002696	6,172651	4,757985	4,5866504	4,321341	4,0833907	4,5346293
9,0595388	up	noncoding	NR_028386	8,697382	8,054149	8,656557	8,772138	9,199197	5,055668	5,821254	5,6520863	5,0773177	5,875909
3,1799398	up	noncoding	ENST00000504972	7,76513	7,496096	7,783577	7,7411566	8,120066	6,2727747	6,0348973	6,164573	5,788425	6,3003583
4,4202031	up	noncoding	ENST00000549484	9,655062	9,655062	9,703998	9,649979	9,816496	7,6176047	7,6877003	7,6101937	7,303155	7,54138
2,6485533	up	noncoding	NR_024584	7,807979	7,802614	7,806083	7,280069	7,9390607	6,422879	6,2003446	6,5649014	6,094993	6,326665
2,457017	up	noncoding	TCONS_00001003	4,931125	4,0199857	4,5343313	4,317542	5,3493886	3,520246	3,1950872	2,8725839	3,8387032	3,241213
2,2096868	up	noncoding	uc003kuq.1	8,086597	8,228244	8,1072645	7,8914037	8,11276	6,9307976	6,8507705	7,0080647	6,748044	7,169383
2,2096868	up	noncoding	uc003kuq.1	8,086597	8,228244	8,1072645	7,8914037	8,11276	6,9307976	6,8507705	7,0080647	6,748044	7,169383
7,7409219	up	noncoding	ENST00000494887	11,46446	10,699431	11,269028	11,118303	11,934466	8,268354	8,148729	8,092645	8,866297	8,347136
4,2533971	up	noncoding	uc002lff.3	5,047562	4,2707396	5,136516	4,933295	5,8725133	3,5232348	2,402045	3,1339192	2,4755955	3,2827537
10,6214118	up	noncoding	ENST00000445974	5,8254976	5,4429655	5,7822804	5,453733	6,4285803	2,372129	2,402045	2,3715568	2,3702428	2,372565
3,4795673	up	noncoding	ENST00000563035	6,536451	6,734001	6,7185316	6,532928	6,408124	4,900793	4,8083053	4,7348833	4,5506454	4,940869
2,0645265	up	noncoding	ENST00000336399	9,200821	8,941881	9,173289	8,997295	9,442493	8,158479	8,144521	8,172135	7,9354134	8,116176
11,3095095	up	noncoding	TCONS_00013381	6,17745	4,9823647	5,8505316	6,3621573	7,029047	2,3679786	2,402045	2,939726	2,8219137	2,372565
2,5030774	up	noncoding	uc002cqx.3	9,280544	8,968542	9,230525	9,266375	9,62224	7,86007	7,9740887	8,077921	7,7979317	8,0397
3,0313606	up	noncoding	AF070541	9,260609	9,204707	9,272141	9,315432	9,452739	7,334358	7,4671583	7,270357	8,834224	7,5997033
17,0856343	up	noncoding	ENST00000457169	6,543086	6,1209364	6,461417	6,349818	7,092033	2,5511167	2,402045	2,3715568	2,3964474	2,372565
2,4701436	up	noncoding	TCONS_00001078	5,5080204	5,3732133	5,6324425	5,1026397	5,5005064	3,6637263	4,1282125	4,5709715	4,3678727	3,8630648
3,3625033	up	noncoding	uc010pqa.2	6,4870443	6,3298545	6,363648	6,9916368	6,326934	4,3228674	4,477887	4,9322267	5,962907	4,055551
8,075677	up	noncoding	ENST00000568809	9,46952	9,3165865	9,478964	9,589186	9,836575	6,3621573	6,6006227	6,5108795	6,943032	6,206224
10,5472342	up	noncoding	ENST00000548107	8,347436	8,486833	8,437441	7,961309	8,4790535	5,1382265	4,3936996	5,0198073	4,946637	5,219738
9,1304155	up	noncoding	ENST00000425709	5,508564	5,4396863	5,568134	5,605279	5,9349985	2,372928	2,402045	2,3715568	2,3702428	2,5864866
2,3132225	up	noncoding	ENST00000506592	7,100525	7,595135	7,1444736	5,3009534	6,156843	5,586405	5,6537757	5,685006	4,9603586	5,3628645
30,7304332	up	noncoding	NR_024376	11,650868	11,497576	11,649647	11,501901	11,835204	6,665338	6,6980357	6,6465816	6,7461877	6,671072
8,3615761	up	noncoding	ENST00000412017	5,6408334	5,704675	5,489075	4,8079805	5,5605702	2,36785	2,402045	2,3715568	2,3702428	2,372565
8,1608016	up	noncoding	NR_040042	5,9823456	4,5761857	5,528185	5,0516653	5,894555	2,3729727	2,402045	2,3715568	2,3702428	2,372565
8,1608016	up	noncoding	NR_040042	5,9823456	4,5761857	5,528185	5,0516653	5,894555	2,3729727	2,402045	2,3715568	2,3702428	2,372565
8,1608016	up	noncoding	NR_040042	5,9823456	4,5761857	5,528185	5,0516653	5,894555	2,3729727	2,402045	2,3715568	2,3702428	2,372565
8,1608016	up	noncoding	NR_040042	5,9823456	4,5761857	5,528185	5,0516653	5,894555	2,3729727	2,402045	2,3715568	2,3702428	2,372565
8,1608016	up	noncoding	NR_040042	5,9823456	4,5761857	5,528185	5,0516653	5,894555	2,3729727	2,402045	2,3715568	2,3702428	2,372565
3,2620904	up	noncoding	ENST00000562504	6,301185	6,9260583	6,3824205	5,4937344	5,5256014	5,231064	5,0492344	4,3587265	3,5805004	3,8804905
2,8772672	up	noncoding	ENST00000434223	6,6660643	6,58968	6,664256	6,6068425	6,7775126	5,0504775	4,938756	5,233334	5,5569577	4,9013343
2,2842792	up	noncoding	uc011kfp.2	12,204225	11,974336	12,038831	11,66091	12,111945	10,772575	10,699828	10,644441	11,184361	10,730347
7,6045887	up	noncoding	ENST00000564335	9,224494	9,9417925	9,292466	5,907973	5,9568663	4,961449	5,3599057	5,117649	4,9212937	5,3289433
2,7161447	up	noncoding	ENST00000460286	5,6465597	5,4319057	5,542789	5,780134	5,5673013	4,238943	4,658474	4,446496	3,1906137	4,2263613
2,6073351	up	noncoding	ENST00000514884	6,041566	5,839405	6,024844	5,584342	6,083911	4,245056	4,4547954	4,728216	4,0324965	5,200624
9,9442222	up	noncoding	ENST00000442037	11,287957	9,612438	11,275324	11,714073	12,101231	7,877877	7,853916	7,9874783	7,701751	8,000708
3,8963061	up	noncoding	uc001rie.1	8,120609	7,8670735	8,038812	7,869902	8,506018	5,806259	6,125713	6,179886	5,9515247	6,5284967
3,8963061	up	noncoding	uc001rie.1	8,120609	7,8670735	8,038812	7,869902	8,506018	5,806259	6,125713	6,179886	5,9515247	6,5284967
3,8963061	up	noncoding	uc001rie.1	8,120609	7,8670735	8,038812	7,869902	8,506018	5,806259	6,125713	6,179886	5,9515247	6,5284967
3,8963061	up	noncoding	uc001rie.1	8,120609	7,8670735	8,038812	7,869902	8,506018	5,806259	6,125713	6,179886	5,9515247	6,5284967
2,0834294	up	noncoding	ENST00000557373	10,667974	10,812113	10,669973	10,509396	10,691597	9,530971	9,614528	9,476036	9,805664	9,629053
2,0834294	up	noncoding	ENST00000557373	10,667974	10,812113	10,669973	10,509396	10,691597	9,530971	9,614528	9,476036	9,805664	9,629053
2,1331325	up	noncoding	ENST00000503597	9,613261	9,342282	9,521237	9,899742	10,000156	8,32509	8,450918	8,400974	8,978741	8,756087
4,3007577	up	noncoding	uc009zhn.3	6,3852344	6,464756	6,3922753	5,4151044	6,239293	4,106191	3,4563842	4,288473	4,019605	4,5030556

3,0396922	up	noncoding	ENST00000422082	5,1518745	4,787669	5,14027	5,217158	5,061101	2,5902328	3,6150606	3,6613462	4,211875	3,2599318
2,6279418	up	noncoding	ENST00000428777	7,143604	6,673754	7,25055	7,235059	7,8691273	5,7869115	5,7151375	6,0220776	5,669489	6,008812
2,3161927	up	noncoding	uc003xrx.3	5,8614693	6,2653995	6,011002	5,3907876	5,3599057	4,646533	4,7525268	5,0047836	4,2132993	4,212645
5,1100726	up	noncoding	ENST00000452919	6,2541676	5,8329554	5,987071	5,457632	6,718961	4,2407947	3,444561	3,2642586	3,6973085	3,8371453
5,1100726	up	noncoding	ENST00000452919	6,2541676	5,8329554	5,987071	5,457632	6,718961	4,2407947	3,444561	3,2642586	3,6973085	3,8371453
11,935711	up	noncoding	ENST00000568776	13,983652	14,431758	13,986079	12,480953	13,405574	9,907517	9,846902	9,439068	11,687623	9,520843
2,1778752	up	noncoding	ENST00000503577	5,8468323	5,777689	5,519503	5,50792	5,7584386	3,8414001	4,4938602	4,2816863	5,280863	4,897967
2,4547507	up	noncoding	ENST00000456382	6,9990215	6,869658	6,8405027	6,9995394	7,0400476	5,9316893	5,4097366	5,723529	5,658422	5,5475097
2,4547507	up	noncoding	ENST00000456382	6,9990215	6,869658	6,8405027	6,9995394	7,0400476	5,9316893	5,4097366	5,723529	5,658422	5,5475097
2,4547507	up	noncoding	ENST00000456382	6,9990215	6,869658	6,8405027	6,9995394	7,0400476	5,9316893	5,4097366	5,723529	5,658422	5,5475097
9,0089481	up	noncoding	TCONS_00024702	5,688806	6,2753544	5,917384	4,29762	5,5642185	2,37018	2,402045	2,3715568	2,3702428	2,372565
2,5729272	up	noncoding	uc002rlw.3	8,172963	8,287942	8,185408	9,557791	8,140253	6,9731665	7,270651	7,2977843	6,9012327	7,0844693
2,5729272	up	noncoding	uc002rlw.3	8,172963	8,287942	8,185408	9,557791	8,140253	6,9731665	7,270651	7,2977843	6,9012327	7,0844693
2,5729272	up	noncoding	uc002rlw.3	8,172963	8,287942	8,185408	9,557791	8,140253	6,9731665	7,270651	7,2977843	6,9012327	7,0844693
2,5729272	up	noncoding	uc002rlw.3	8,172963	8,287942	8,185408	9,557791	8,140253	6,9731665	7,270651	7,2977843	6,9012327	7,0844693
2,5729272	up	noncoding	uc002rlw.3	8,172963	8,287942	8,185408	9,557791	8,140253	6,9731665	7,270651	7,2977843	6,9012327	7,0844693
2,5729272	up	noncoding	uc002rlw.3	8,172963	8,287942	8,185408	9,557791	8,140253	6,9731665	7,270651	7,2977843	6,9012327	7,0844693
2,2124216	up	noncoding	uc001lsk.1	8,389849	8,086806	8,421857	8,654769	8,340361	7,3882537	7,124029	7,068877	7,4830723	7,1012783
2,2124216	up	noncoding	uc001lsk.1	8,389849	8,086806	8,421857	8,654769	8,340361	7,3882537	7,124029	7,068877	7,4830723	7,1012783
2,2124216	up	noncoding	uc001lsk.1	8,389849	8,086806	8,421857	8,654769	8,340361	7,3882537	7,124029	7,068877	7,4830723	7,1012783
2,2124216	up	noncoding	uc001lsk.1	8,389849	8,086806	8,421857	8,654769	8,340361	7,3882537	7,124029	7,068877	7,4830723	7,1012783
2,2124216	up	noncoding	uc001lsk.1	8,389849	8,086806	8,421857	8,654769	8,340361	7,3882537	7,124029	7,068877	7,4830723	7,1012783
2,2124216	up	noncoding	uc001lsk.1	8,389849	8,086806	8,421857	8,654769	8,340361	7,3882537	7,124029	7,068877	7,4830723	7,1012783
2,2124216	up	noncoding	uc001lsk.1	8,389849	8,086806	8,421857	8,654769	8,340361	7,3882537	7,124029	7,068877	7,4830723	7,1012783
3,5372964	up	noncoding	uc004exm.3	7,023057	6,2931724	6,832736	7,081985	7,4847283	5,403275	5,2721934	4,8235435	4,7781415	5,3252897
2,5266697	up	noncoding	ENST00000438195	5,9419193	5,2923126	5,694234	4,753019	6,045778	4,739162	4,600149	3,959744	3,920066	3,8219564
2,433329	up	noncoding	ENST00000488040	11,094012	10,755587	11,094012	11,107362	11,3644495	9,908577	9,759623	9,571653	10,1055765	9,655336
2,433329	up	noncoding	ENST00000488040	11,094012	10,755587	11,094012	11,107362	11,3644495	9,908577	9,759623	9,571653	10,1055765	9,655336
2,433329	up	noncoding	ENST00000488040	11,094012	10,755587	11,094012	11,107362	11,3644495	9,908577	9,759623	9,571653	10,1055765	9,655336
2,747123	up	noncoding	ENST00000430963	8,926042	8,707782	8,843734	8,654254	8,974726	7,416155	7,5098343	7,4681644	6,9906073	7,4321694
18,4509846	up	noncoding	ENST00000411847	6,861827	6,0347276	6,8308434	6,6382413	7,490247	3,0907733	2,402045	2,3715568	2,5908167	2,372565
18,4509846	up	noncoding	ENST00000411847	6,861827	6,0347276	6,8308434	6,6382413	7,490247	3,0907733	2,402045	2,3715568	2,5908167	2,372565
18,4509846	up	noncoding	ENST00000411847	6,861827	6,0347276	6,8308434	6,6382413	7,490247	3,0907733	2,402045	2,3715568	2,5908167	2,372565
18,4509846	up	noncoding	ENST00000411847	6,861827	6,0347276	6,8308434	6,6382413	7,490247	3,0907733	2,402045	2,3715568	2,5908167	2,372565
18,4509846	up	noncoding	ENST00000411847	6,861827	6,0347276	6,8308434	6,6382413	7,490247	3,0907733	2,402045	2,3715568	2,5908167	2,372565
18,4509846	up	noncoding	ENST00000411847	6,861827	6,0347276	6,8308434	6,6382413	7,490247	3,0907733	2,402045	2,3715568	2,5908167	2,372565
18,4509846	up	noncoding	ENST00000411847	6,861827	6,0347276	6,8308434	6,6382413	7,490247	3,0907733	2,402045	2,3715568	2,5908167	2,372565
18,4509846	up	noncoding	ENST00000411847	6,861827	6,0347276	6,8308434	6,6382413	7,490247	3,0907733	2,402045	2,3715568	2,5908167	2,372565
2,2566045	up	noncoding	ENST00000415000	10,471433	10,424668	10,524088	10,255487	10,766094	9,424261	9,306842	9,21495	9,340492	9,284457
5,2691185	up	noncoding	ENST00000456582	8,980999	9,17235	8,981777	8,386298	8,831413	6,2990093	6,6493425	6,6750717	6,1246614	6,616944
5,0230559	up	noncoding	ENST00000438266	7,947809	8,18406	7,9782414	7,38642	7,890369	6,1165376	5,852616	5,6142926	4,9164205	5,244206
2,9384183	up	noncoding	ENST00000433606	13,029334	12,145016	12,711092	12,436028	13,215251	11,159673	11,022174	10,787779	11,739834	11,052062
2,9384183	up	noncoding	ENST00000433606	13,029334	12,145016	12,711092	12,436028	13,215251	11,159673	11,022174	10,787779	11,739834	11,052062
2,2254428	up	noncoding	uc.268-	13,311324	13,384302	13,363387	13,432777	13,44995	12,338	12,411954	12,304827	12,092188	12,024309
2,3538619	up	noncoding	NR_036501	6,013347	6,084873	6,0641165	5,2419353	6,193411	3,936054	4,5569215	5,1822968	4,6228952	5,124367
5,8588119	up	noncoding	NR_037676	6,7156687	6,729436	6,480044	6,3601627	7,1193843	5,1949363	3,4686878	4,3611946	4,1962876	3,4305487
24,1803691	up	noncoding	ENST00000568136	13,4828415	13,986079	13,283964	11,641026	12,17513	8,282108	8,09365	8,22467	9,024205	7,9655857
2,1218359	up	noncoding	NR_034115	8,158479	8,396186	8,107846	8,371877	8,020336	7,2835355	7,2139173	7,2837267	6,7725506	7,0744286
2,1218359	up	noncoding	NR_034115	8,158479	8,396186	8,107846	8,371877	8,020336	7,2835355	7,2139173	7,2837267	6,7725506	7,0744286
5,4738734	up	noncoding	ENST00000425358	5,351772	4,729348	5,312986	5,2086253	5,980777	2,583666	2,402045	3,4508045	2,961209	2,9229734
5,4738734	up	noncoding	ENST00000425358	5,351772	4,729348	5,312986	5,2086253	5,980777	2,583666	2,402045	3,4508045	2,961209	2,9229734
20,630516	up	noncoding	uc001vvk.1	9,156043	9,205434	9,130593	8,839988	9,272141	5,0818152	4,7004414	4,7155285	4,4468293	4,8260446
2,96374	up	noncoding	ENST00000427543	6,5833526	6,807482	6,806859	6,296272	6,5733376	5,023632	4,8891807	4,8531475	5,4904895	4,973759
2,7650813	up	noncoding	ENST00000435547	5,533751	5,215223	4,9735713	6,1294417	5,957129	4,5290008	4,02455	3,6680503	4,7267513	3,5241542
8,0370309	up	noncoding	ENST00000439725	6,8200326	5,2299657	6,7832227	6,6878877	7,5723314	2,3684852	3,2091691	3,9497445	4,1383386	4,3943896
2,7487669	up	noncoding	ENST00000581170	8,387834	8,337035	8,298264	9,233801	8,449751	7,1573043	7,149495	6,9785366	7,402106	6,7253203
2,29286	up	noncoding	NR_047694	6,9126163	6,7920465	6,943593	6,4549956	7,0341926	5,5054674	5,5308614	5,845376	5,3250527	5,9449453
2,29286	up	noncoding	NR_047694	6,9126163	6,7920465	6,943593	6,4549956	7,0341926	5,5054674	5,5308614	5,845376	5,3250527	5,9449453
2,29286	up	noncoding	NR_047694	6,9126163	6,7920465	6,943593	6,4549956	7,0341926	5,5054674	5,5308614	5,845376	5,3250527	5,9449453
2,29286	up	noncoding	NR_047694	6,9126163	6,7920465	6,943593	6,4549956	7,0341926	5,5054674	5,5308614	5,845376	5,3250527	5,9449453
3,0166709	up	noncoding	TCONS_00017189	7,2274857	6,4593105	7,1474733	6,822105	7,675426	5,8494096	5,347481	5,513768	5,0418773	5,614478
2,1178169	up	noncoding	NR_045785	5,9646406	5,038126	5,4165373	5,7293386	6,2782726	4,839074	4,835744	4,7783318	4,202257	4,358619
2,1178169	up	noncoding	NR_045785	5,9646406	5,038126	5,4165373	5,7293386	6,2782726	4,839074	4,835744	4,7783318	4,202257	4,358619
2,1178169	up	noncoding	NR_045785	5,9646406	5,038126	5,4165373	5,7293386	6,2782726	4,839074	4,835744	4,7783318	4,202257	4,358619
129,2528516	up	noncoding	ENST00000438154	9,877321	9,365373	9,889339	9,939039	10,303524	2,5219111	2,402045	2,446396	3,5842204	3,349762
2,2668949	up	noncoding	TCONS_00018229	4,76394	4,479204	3,9525404	4,818411	5,106035	2,7398937	3,0803976	3,5373528	3,9790177	3,8798811
4,2636039	up	noncoding	ENST00000569362	8,16768	7,588624	8,0080595	8,418377	8,688196	5,7248454	6,092741	6,244768	6,2799525	6,0682626
4,5092268	up	noncoding	ENST00000550206	9,414236	8,692447	9,400672	9,208849	9,850726	7,3707128	7,1286016	6,922692	7,0136013	7,266922
4,5092268	up	noncoding	ENST00000550206	9,414236	8,692447	9,400672	9,208849	9,850726	7,3707128	7,1286016	6,922692	7,0136013	7,266922

4,5092268	up	noncoding	ENST00000550206	9,414236	8,692447	9,400672	9,208849	9,850726	7,3707128	7,1286016	6,922692	7,0136013	7,266922
2,0218638	up	noncoding	ENST00000569432	8,362932	8,5435295	8,417803	7,841853	8,067479	7,2024603	7,09618	7,0964775	7,6542544	7,1057954
2,0218638	up	noncoding	ENST00000569432	8,362932	8,5435295	8,417803	7,841853	8,067479	7,2024603	7,09618	7,0964775	7,6542544	7,1057954
2,2832929	up	noncoding	NR_040107	4,697938	4,691223	5,1302676	5,691691	4,9969234	3,6095111	4,0198994	3,6877184	3,798163	4,1371713
8,8946482	up	noncoding	ENST00000420956	6,898265	6,4749737	6,9358997	6,897378	7,537084	3,7643566	3,488197	3,6116629	3,9520502	4,162646
2,4369702	up	noncoding	NR_033436	11,458822	11,520886	11,511262	11,438224	11,553702	10,179353	10,25286	10,347995	10,055134	10,222111
2,0485741	up	noncoding	ENST00000425750	5,1054964	5,074907	5,3599057	5,146372	5,6537757	3,966023	3,9303324	4,272439	4,7255516	4,2730103
2,864113	up	noncoding	ENST00000563973	6,8906236	5,5955486	6,686119	6,9220734	7,506483	4,7707167	4,927754	4,8507323	6,361442	5,0997605
5,3241558	up	noncoding	uc002duh.1	6,846838	7,2977843	7,071733	6,234669	6,481342	4,349124	4,8303328	4,209967	4,453468	4,0267105
5,3241558	up	noncoding	uc002duh.1	6,846838	7,2977843	7,071733	6,234669	6,481342	4,349124	4,8303328	4,209967	4,453468	4,0267105
5,3241558	up	noncoding	uc002duh.1	6,846838	7,2977843	7,071733	6,234669	6,481342	4,349124	4,8303328	4,209967	4,453468	4,0267105
2,2427811	up	noncoding	ENST00000440985	5,7524595	5,733845	5,853902	5,477228	5,9879813	4,781112	4,758143	4,4963427	4,161676	4,781698
4,3571917	up	noncoding	ENST00000501356	10,219888	8,739789	9,917279	11,164429	11,070877	8,496314	8,328574	7,8854084	8,109942	7,6750307
2,2258944	up	noncoding	NR_037712	5,7482586	5,6507387	5,5064726	4,7755513	5,755858	4,4388795	4,1299906	4,527378	3,8359022	4,7328033
2,2258944	up	noncoding	NR_037712	5,7482586	5,6507387	5,5064726	4,7755513	5,755858	4,4388795	4,1299906	4,527378	3,8359022	4,7328033
2,2258944	up	noncoding	NR_037712	5,7482586	5,6507387	5,5064726	4,7755513	5,755858	4,4388795	4,1299906	4,527378	3,8359022	4,7328033
10,2987539	up	noncoding	TCONS_00001798	7,990034	7,7150593	7,858283	7,92768	8,371877	4,9927225	4,705058	4,7308307	4,1513147	4,461018
2,1124089	up	noncoding	ENST00000562687	7,8756437	7,961793	7,8043227	7,240735	7,474627	6,7951684	6,896898	6,791595	6,065443	6,4135714
3,4427599	up	noncoding	ENST00000526131	4,4702053	3,8288906	4,597244	4,7117934	4,9922137	2,681724	2,402045	2,4603965	3,723688	2,4146657
2,4539177	up	noncoding	uc003pdp.3	6,1443353	6,190709	6,113023	5,4936123	6,5049505	4,670966	4,897448	5,0795574	4,6723733	4,6508512
2,4539177	up	noncoding	uc003pdp.3	6,1443353	6,190709	6,113023	5,4936123	6,5049505	4,670966	4,897448	5,0795574	4,6723733	4,6508512
2,4539177	up	noncoding	uc003pdp.3	6,1443353	6,190709	6,113023	5,4936123	6,5049505	4,670966	4,897448	5,0795574	4,6723733	4,6508512
2,7403862	up	noncoding	ENST00000573896	8,950177	9,613261	9,049796	8,135507	8,14779	7,4351773	7,693762	7,3917494	7,3175473	6,786399
14,0840378	up	noncoding	ENST00000417354	13,516091	12,9281845	13,521895	13,744912	14,081072	9,882488	9,990001	9,829953	9,397329	9,612438
14,0840378	up	noncoding	ENST00000417354	13,516091	12,9281845	13,521895	13,744912	14,081072	9,882488	9,990001	9,829953	9,397329	9,612438
2,2793843	up	noncoding	ENST00000455835	4,8158317	4,893055	4,7450943	4,353266	4,5914536	3,4740477	2,402045	3,8092768	3,4318383	4,338272
2,2793843	up	noncoding	ENST00000455835	4,8158317	4,893055	4,7450943	4,353266	4,5914536	3,4740477	2,402045	3,8092768	3,4318383	4,338272
2,2793843	up	noncoding	ENST00000455835	4,8158317	4,893055	4,7450943	4,353266	4,5914536	3,4740477	2,402045	3,8092768	3,4318383	4,338272
2,7829429	up	noncoding	uc003dou.3	11,830858	11,645858	11,827689	12,0909605	12,096136	10,531553	10,566908	10,552194	10,167694	10,290096
2,7829429	up	noncoding	uc003dou.3	11,830858	11,645858	11,827689	12,0909605	12,096136	10,531553	10,566908	10,552194	10,167694	10,290096
2,7829429	up	noncoding	uc003dou.3	11,830858	11,645858	11,827689	12,0909605	12,096136	10,531553	10,566908	10,552194	10,167694	10,290096
2,7829429	up	noncoding	uc003dou.3	11,830858	11,645858	11,827689	12,0909605	12,096136	10,531553	10,566908	10,552194	10,167694	10,290096
2,8633012	up	noncoding	NR_024101	7,4659395	7,5519423	7,484583	6,8928795	7,383672	5,7017365	5,7416015	5,906026	5,6403217	6,2009335
2,8633012	up	noncoding	NR_024101	7,4659395	7,5519423	7,484583	6,8928795	7,383672	5,7017365	5,7416015	5,906026	5,6403217	6,2009335
2,8633012	up	noncoding	NR_024101	7,4659395	7,5519423	7,484583	6,8928795	7,383672	5,7017365	5,7416015	5,906026	5,6403217	6,2009335
2,8633012	up	noncoding	NR_024101	7,4659395	7,5519423	7,484583	6,8928795	7,383672	5,7017365	5,7416015	5,906026	5,6403217	6,2009335
2,8633012	up	noncoding	NR_024101	7,4659395	7,5519423	7,484583	6,8928795	7,383672	5,7017365	5,7416015	5,906026	5,6403217	6,2009335
2,8633012	up	noncoding	NR_024101	7,4659395	7,5519423	7,484583	6,8928795	7,383672	5,7017365	5,7416015	5,906026	5,6403217	6,2009335
15,588876	up	noncoding	ENST00000563256	9,282666	8,47982	9,04166	8,765262	9,899306	5,25494	4,561321	5,29947	5,095581	5,445177
6,2841159	up	noncoding	AA879286R	5,835625	5,3393164	5,841279	5,781419	6,3105364	2,72079	2,402045	3,8213048	3,6849198	3,2205672
2,0906536	up	noncoding	AA429595	6,3790226	5,8182	6,0230036	6,2775555	6,729909	5,234754	5,188452	5,3172817	4,9806767	5,186756
4,2015553	up	noncoding	ENST00000441699	8,144889	7,93942	8,103017	7,806083	8,397686	6,089787	6,0938215	6,262877	5,5669885	6,0230036
6,3494807	up	noncoding	ENST00000419458	7,0119023	6,8663487	6,980739	6,7661686	7,3083653	3,9976149	4,1504235	4,252588	5,0526695	4,147035
35,2449585	up	noncoding	ENST00000424351	7,5553393	6,755825	7,477235	7,590167	8,202904	2,3683357	2,402045	2,3715568	2,3702428	2,372565
2,0659656	up	noncoding	ENST00000569677	7,22298	6,967557	7,0380006	6,722612	7,3596997	5,9219255	6,2795424	6,134875	5,7461586	5,9942665
2,0700802	up	noncoding	ENST00000581995	6,3915644	5,786377	6,384431	6,327031	7,002888	5,4938087	5,173059	5,189843	5,288219	5,4989285
14,3111704	up	noncoding	TCONS_00001581	9,55935	9,285045	9,524427	9,657725	9,924277	6,055361	6,469601	6,0485578	5,0824604	5,099495
2,2340879	up	noncoding	ENST00000419244	5,159217	4,671753	5,036058	4,266771	5,0375767	3,001757	3,7883134	3,0552328	4,3251166	4,202526
3,6993537	up	noncoding	ENST00000438752	8,290368	8,082158	8,3290615	8,242968	8,615439	6,4703	6,3859553	6,431342	6,195544	6,640487
3,0469355	up	noncoding	TCONS_00000874	7,0368547	6,809408	6,9827776	6,9259152	7,168437	5,18935	5,0653353	5,497019	5,7684984	5,366395
4,6102792	up	noncoding	uc009zho.3	5,795046	5,614664	5,6954646	5,191435	5,7508035	2,3733873	3,7618213	3,4994807	3,4001367	3,9883165
3,4393518	up	noncoding	HMlincRNA634-	9,702732	10,502129	8,971394	8,383261	9,414956	7,6694665	7,491312	7,545596	7,888028	7,469386
4,9941148	up	noncoding	AK022427	5,616676	5,1614747	5,3398323	5,1540136	5,883374	2,3680549	3,0084364	3,4848053	3,3975697	3,2953594
2,3929901	up	noncoding	DB321928	7,31349	7,363519	7,3870983	6,728542	7,4009647	5,8843403	6,0794044	6,0389447	5,8956575	6,001195
29,9469498	up	noncoding	ENST00000443523	7,3210835	6,3966255	7,3623347	7,4967384	7,9216523	2,460339	2,402045	2,3715568	2,3702428	2,372565
175,6395094	up	noncoding	ENST00000415479	10,072097	9,605675	10,015643	10,12558	10,456789	2,6181757	2,402045	2,3715568	3,2290735	2,372565
2,2058328	up	noncoding	ENST00000572855	6,573455	5,852908	6,683646	7,1377034	6,847346	5,485598	5,396863	5,200956	5,7290215	5,5760026
2,2058328	up	noncoding	ENST00000572855	6,573455	5,852908	6,683646	7,1377034	6,847346	5,485598	5,396863	5,200956	5,7290215	5,5760026
2,4997769	up	noncoding	NR_028130	8,513542	8,428132	8,542981	8,196151	8,753767	7,121253	7,0752697	7,3321204	6,9025025	7,3944306
2,4997769	up	noncoding	NR_028130	8,513542	8,428132	8,542981	8,196151	8,753767	7,121253	7,0752697	7,3321204	6,9025025	7,3944306
2,4997769	up	noncoding	NR_028130	8,513542	8,428132	8,542981	8,196151	8,753767	7,121253	7,0752697	7,3321204	6,9025025	7,3944306
2,0355821	up	noncoding	NR_046348	11,355776	11,410698	11,42424	11,220546	11,237271	10,548964	10,713152	10,46942	9,798688	9,9911
6,2799806	up	noncoding	ENST00000454470	6,0942373	5,9454727	5,972477	5,8361335	6,406576	3,0250084	4,212867	2,8916998	3,1950176	3,6765032
10,3014657	up	noncoding	ENST00000520714	8,245688	7,347639	8,232115	8,288785	8,903256	4,6201158	5,052205	5,1078825	4,1770234	5,2363677
2,4140548	up	noncoding	ENST00000550263	7,2055855	7,0758076	7,2527475	7,0402126	7,424042	5,5314856	6,1273017	5,7504883	5,9983525	6,233475
2,4140548	up	noncoding	ENST00000550263	7,2055855	7,0758076	7,2527475	7,0402126	7,424042	5,5314856	6,1273017	5,7504883	5,9983525	6,233475
2,4140548	up	noncoding	ENST00000550263	7,2055855	7,0758076	7,2527475	7,0402126	7,424042	5,5314856	6,1273017	5,7504883	5,9983525	6,233475
2,0295764	up	noncoding	ENST00000418957	8,918931	8,785339	8,884229	8,348877	9,090875	7,8480296	7,6667757	7,5100026	8,108399	7,7891507

8,7438725	up	noncoding	ENST00000426794	5,67881	5,057501	5,8274565	5,0704756	6,2848535	2,3686678	2,402045	2,573131	2,417559	2,516332
4,5494593	up	noncoding	ENST00000556099	7,4830723	7,3666296	7,688685	7,3128486	7,7559533	5,4631705	5,231297	4,985107	5,1260014	5,8731375
2,6506909	up	noncoding	ENST00000421252	7,1173234	6,2682614	7,119193	7,215835	7,9396343	5,65227	5,5882816	5,3113003	6,1878085	5,8887444
2,5214187	up	noncoding	NR_027180	7,64748	7,1741023	7,645354	7,730128	8,139349	5,957431	6,2966533	6,5891986	6,263598	6,558354
2,4543418	up	noncoding	NR_027330	10,769829	10,877163	10,840301	10,701372	10,842074	9,55935	9,5724	9,540642	9,543901	9,337765
2,4068542	up	noncoding	ENST00000433125	5,4490967	4,0957255	5,443438	5,51541	6,286487	4,275485	3,7952576	4,235132	3,4506009	4,697938
2,1931642	up	noncoding	ENST00000532625	6,485768	6,107686	6,593909	6,5194	6,965907	5,3551536	5,252041	5,4429655	5,3727016	5,584739
3,0866149	up	noncoding	NR_002139	9,555734	9,952583	9,638041	8,956769	8,978741	7,9544086	8,046298	8,007421	7,300071	7,643542
9,3476666	up	noncoding	uc002utn.1	7,4546137	7,5775666	7,4691133	6,808412	7,604596	4,7793775	4,7558594	4,410788	3,3457646	3,4994807
2,2579758	up	noncoding	TCONS_00008451	6,3931136	5,8185277	6,2477803	6,7193666	7,017729	5,274348	5,1548996	5,3057156	5,612922	4,973482
4,6558144	up	noncoding	ENST00000519491	6,753004	6,5922623	6,661619	6,3812113	6,845501	4,5294414	4,93447	4,359537	3,9365082	4,3784733
2,795235	up	noncoding	uc.17+	5,587226	5,3409715	5,5805283	5,7127094	5,856893	4,635993	4,248459	4,273607	3,6842928	3,8211284
2,0012954	up	noncoding	TCONS_00013784	5,3179665	5,192533	5,0294976	4,550175	5,085965	3,7845685	3,937823	3,8285382	4,2737823	4,3467546
3,2676503	up	noncoding	ENST00000420406	12,684021	11,985828	12,4088125	12,550528	13,045635	10,967578	10,819216	10,595148	11,1409645	10,61065
8,7254997	up	noncoding	TCONS_00018504	5,623998	4,759554	5,477515	5,6500626	6,3705893	2,7391205	2,402045	2,3715568	2,3702428	2,372565
2,1430927	up	noncoding	ENST00000442370	5,8704996	5,3497357	5,473427	5,9412622	5,9713902	5,062861	4,342421	3,9693193	4,718476	5,014766
5,5778325	up	noncoding	ENST00000560008	14,875179	14,252308	14,793388	14,514098	15,147402	12,386138	12,183638	11,921771	12,458982	12,233323
5,8310536	up	noncoding	ENST00000513288	5,0004473	5,0421963	5,2251177	4,5780253	5,61021	2,3731523	2,402045	2,3715568	2,3702428	3,2202168
2,1364027	up	noncoding	ENST00000417482	4,5720563	4,6780944	4,851499	5,1302676	4,739436	4,1194363	4,021163	3,7038987	3,7090502	2,941887
2,0052595	up	noncoding	ENST00000535817	5,9211974	5,759176	5,9083467	6,036673	6,104317	5,100802	4,8872037	5,202259	4,8862176	4,634283
2,866612	up	noncoding	ENST00000458125	6,509595	6,9027443	6,399841	5,0027213	6,1558657	4,8603153	4,5504456	4,8968415	4,5691547	4,497277
18,514888	up	noncoding	uc002zku.3	9,063235	9,166871	9,022103	8,551427	9,063235	5,076652	4,9094872	4,8188915	3,9610147	5,047756
3,726325	up	noncoding	NR_034082	7,064475	7,291065	7,1479654	6,5728374	7,3063917	5,2087717	5,1847706	5,42813	4,634283	5,4380116
2,9921911	up	noncoding	ENST00000511840	4,8375907	5,246469	5,0894685	4,6062455	4,9402456	2,8090913	2,8189745	4,2037287	3,1224384	3,8597748
2,7702874	up	noncoding	ENST00000510062	7,3002253	7,951925	7,3965435	7,118537	6,50065	6,1402035	6,147067	5,6367364	5,2047777	5,788918
2,5607995	up	noncoding	ENST00000418368	5,627395	5,7492065	5,65876	5,1537514	5,9948945	3,9803796	4,609909	4,270407	3,9760478	4,5642924
5,7753582	up	noncoding	NR_047550	6,18468	6,0916905	6,110541	5,740602	6,455874	4,2459164	3,660707	3,4342127	3,20438	3,3886192
3,2187714	up	noncoding	ENST00000439076	6,1492496	5,588771	6,3754377	6,553906	6,0030546	3,8937693	5,060623	4,7871637	3,9469793	4,549333
3,2187714	up	noncoding	ENST00000439076	6,1492496	5,588771	6,3754377	6,553906	6,0030546	3,8937693	5,060623	4,7871637	3,9469793	4,549333
2,4663634	up	noncoding	ENST00000568587	7,3859363	6,636704	7,346493	7,573889	7,808496	6,1456165	6,2063875	5,897922	5,8841424	6,105523
2,3754691	up	noncoding	ENST00000418765	8,041023	8,111068	8,058345	7,5974913	7,8773193	7,1157527	7,144944	6,707921	6,081001	6,3945656
2,9303687	up	noncoding	ENST00000569835	8,0190525	8,302919	7,9292774	7,76322	7,699246	6,4916797	6,606432	6,685502	5,902247	6,2724433
8,529091	up	noncoding	ENST00000422194	7,3305893	5,4874988	7,2709312	7,971869	8,267384	3,7605467	3,9156568	4,5727425	4,4771953	4,140171
2,3853867	up	noncoding	ENST00000557144	5,15217	5,6378074	4,958416	5,0909147	4,4172907	2,69542	4,0352626	4,347133	4,4373984	3,470269
7,4893816	up	noncoding	TCONS_00021754	8,777641	8,6501045	8,8046	8,88056	8,956537	6,1573462	5,998093	5,9058456	5,626212	5,8577127
3,1815721	up	noncoding	uc001vmm.3	9,630616	9,2309	9,653181	9,658619	10,117995	7,8993797	8,123362	8,162584	7,6309333	8,126353
3,1815721	up	noncoding	uc001vmm.3	9,630616	9,2309	9,653181	9,658619	10,117995	7,8993797	8,123362	8,162584	7,6309333	8,126353
7,2467863	up	noncoding	NR_027005	6,5818157	5,799574	6,612218	6,7421994	7,0136013	2,8408866	4,3457065	4,4729495	3,5213153	3,2818437
2,4780169	up	noncoding	TCONS_00024496	10,827496	9,891276	10,866931	11,605321	11,367901	9,749186	9,522375	9,347462	10,007046	9,386926
4,7266693	up	noncoding	ENST00000413231	5,4873	4,8645167	5,2166004	4,9178267	5,402255	2,3691943	3,6405733	2,5784125	2,4666426	3,6295564
8,2774833	up	noncoding	ENST00000520422	6,658636	6,147538	6,4556913	6,6152344	6,9620595	3,994949	3,3457646	3,3731208	3,5012834	3,3780804
2,8794147	up	noncoding	TCONS_00010794	8,854256	9,623837	9,004306	7,6704364	7,430741	7,485956	7,4947824	6,971244	6,5289474	6,4737687
2,3019973	up	noncoding	uc002sts.4	9,243433	9,027705	9,233325	9,050639	9,552937	7,9940047	8,032012	8,18112	7,7454047	8,141067
3,2070159	up	noncoding	uc001tgo.1	7,4600477	7,004327	7,3172464	7,591862	7,7735834	5,695716	5,717991	5,969307	5,37748	5,980415
5,7425485	up	noncoding	AK125162	5,5462494	4,7182593	5,611935	5,4706435	6,008457	2,3960893	2,8580256	3,3972156	2,7288585	3,3668995
3,8129679	up	noncoding	uc004azy.1	8,656845	7,4241943	8,598255	8,776161	9,600664	6,448559	6,669772	6,8230867	6,7903576	6,669772
2,2005139	up	noncoding	uc011kss.1	5,5770226	5,4957333	5,5120115	5,536699	5,844538	4,219145	4,385379	4,558817	4,601366	4,512095
2,4652793	up	noncoding	ENST00000420313	10,848364	10,5428915	10,48713	10,632467	11,040782	9,467077	9,304712	9,180153	9,867543	9,223394
4,8845392	up	noncoding	ENST00000435858	7,91028	7,5117607	7,9023733	7,950111	8,414682	5,7703614	5,799345	5,570901	5,2535853	5,853902
2,156797	up	noncoding	ENST00000418474	9,708313	9,693913	9,762499	9,543901	9,855481	8,602334	8,593845	8,703211	8,412483	8,707782
9,4300155	up	noncoding	ENST00000414426	7,471876	6,2625375	7,0899925	6,8337274	7,584108	4,0352626	3,6392713	3,6699114	4,2037287	3,5077667
8,9065417	up	noncoding	uc003ndn.3	7,6464987	7,565375	7,54094	7,3755217	7,8645496	3,8634233	4,706778	4,7289753	4,3055243	4,6138573
3,2295658	up	noncoding	NR_037596	10,452375	10,61969	10,488105	10,225746	10,476846	8,747675	8,67708	8,801	8,723657	8,856649
5,0482581	up	noncoding	TCONS_00018588	5,396536	4,98908	5,178426	5,112469	6,121318	3,397129	3,0408812	3,4319324	2,6925874	2,5563707
4,9717418	up	noncoding	ENST00000584721	9,682655	9,590527	9,744494	9,555734	9,850381	7,4593296	7,6722	7,383378	7,103311	7,2368155
2,093864	up	noncoding	NR_034121	8,256351	8,53662	8,388177	7,9375577	8,30977	7,243448	7,316228	7,3096404	6,9238043	7,3045163
2,093864	up	noncoding	NR_034121	8,256351	8,53662	8,388177	7,9375577	8,30977	7,243448	7,316228	7,3096404	6,9238043	7,3045163
2,093864	up	noncoding	NR_034121	8,256351	8,53662	8,388177	7,9375577	8,30977	7,243448	7,316228	7,3096404	6,9238043	7,3045163
2,9130804	up	noncoding	ENST00000356347	7,86416	7,55712	7,818816	8,077461	8,234278	6,4094987	6,582119	6,6521983	5,959268	6,2360234
2,1041895	up	noncoding	ENST00000456633	8,620546	8,437441	8,72615	9,445937	8,639437	7,794053	8,0175085	7,567606	7,803778	7,3202424
2,2291474	up	noncoding	ENST00000462148	5,7292056	5,8709664	5,7960944	5,118887	5,4048047	4,3178177	4,0563626	4,1301603	5,068012	4,5651455
11,515176	up	noncoding	NR_028303	8,841741	7,522836	8,836351	9,34128	9,677568	5,7312245	6,2211947	5,764485	4,691745	4,183804
5,7376164	up	noncoding	NR_027060	7,55712	7,102119	7,7310085	7,745044	8,098984	5,4554443	5,5707316	5,3060904	4,3745346	4,925217
3,518328	up	noncoding	TCONS_00015068	5,881796	4,993508	5,555359	6,468936	6,4751987	3,9367914	3,908863	4,1358066	4,1954894	4,1233974
4,2280559	up	noncoding	ENST00000435981	6,3407717	6,279273	6,222447	5,310144	6,065563	2,36845	3,9923396	4,0920095	4,9950733	4,370354
2,2082968	up	noncoding	ENST00000565685	4,668517	4,5103755	5,040617	5,608096	5,355453	4,1434813	3,9966068	3,7600446	3,2724264	4,295829
7,2749807	up	noncoding	ENST00000422831	9,960262	10,166678	9,761326	8,2701	9,240333	6,5694284	6,428715	6,1087275	7,754853	6,222258
12,7031436	up	noncoding	ENST00000425939	9,8820095	9,547196	9,827641	9,765662	10,275686	6,236143	5,9418325	6,075088	6,43582	6,2737427
12,7031436	up	noncoding	ENST00000425939	9,8820095	9,547196	9,827641	9,765662	10,275686	6,236143	5,9418325	6,075088	6,43582	6,2737427
2,7572275	up	noncoding	uc002pzg.1	8,1171255	7,8518744	8,128527	8,705984	8,396186	6,986534	7,017022	6,913808	6,387279	6,5789623

2,2539136	up	noncoding	NR_027447	9,842667	9,752184	9,755625	10,063851	9,885782	8,635673	8,806319	8,929023	8,575814	8,491119
2,6342516	up	noncoding	ENST00000570282	7,7072473	7,4894056	7,63254	7,9370546	8,051443	6,3864546	6,455874	6,4091387	6,073089	6,5061684
3,6554758	up	noncoding	ENST00000546936	11,439091	10,50033	11,061128	10,964542	11,665662	9,096395	8,846674	8,730669	10,387805	9,218914
3,6554758	up	noncoding	ENST00000546936	11,439091	10,50033	11,061128	10,964542	11,665662	9,096395	8,846674	8,730669	10,387805	9,218914
3,6554758	up	noncoding	ENST00000546936	11,439091	10,50033	11,061128	10,964542	11,665662	9,096395	8,846674	8,730669	10,387805	9,218914
3,6554758	up	noncoding	ENST00000546936	11,439091	10,50033	11,061128	10,964542	11,665662	9,096395	8,846674	8,730669	10,387805	9,218914
3,6554758	up	noncoding	ENST00000546936	11,439091	10,50033	11,061128	10,964542	11,665662	9,096395	8,846674	8,730669	10,387805	9,218914
3,6554758	up	noncoding	ENST00000546936	11,439091	10,50033	11,061128	10,964542	11,665662	9,096395	8,846674	8,730669	10,387805	9,218914
3,6554758	up	noncoding	ENST00000546936	11,439091	10,50033	11,061128	10,964542	11,665662	9,096395	8,846674	8,730669	10,387805	9,218914
4,5388586	up	noncoding	NR_046465	10,409231	8,442835	10,265831	10,991897	11,234349	8,101105	7,9434013	8,186177	8,069087	8,132725
2,2100818	up	noncoding	ENST00000566951	9,443064	8,423523	9,341018	9,723859	10,164008	8,338546	8,416099	8,207515	8,30203	8,110783
11,9993421	up	noncoding	ENST00000525309	7,263702	7,748459	7,1549315	5,4084034	6,707009	2,5789628	2,7342417	2,730081	4,5482354	3,766567
7,0809168	up	noncoding	ENST00000530576	8,526401	8,940957	8,6453285	7,6544523	8,184693	5,9968734	5,9245167	5,9903417	4,7262435	5,1941757
3,0263157	up	noncoding	uc003bzg.3	7,960874	8,07998	7,916072	7,573176	8,150212	6,4862223	6,252998	6,57572	6,013726	6,3638353
2,1965918	up	noncoding	NR_027264	5,980033	5,782561	5,79475	4,7965617	6,2998905	4,8111296	4,898984	4,203242	4,415744	4,6483626
2,1965918	up	noncoding	NR_027264	5,980033	5,782561	5,79475	4,7965617	6,2998905	4,8111296	4,898984	4,203242	4,415744	4,6483626
2,1965918	up	noncoding	NR_027264	5,980033	5,782561	5,79475	4,7965617	6,2998905	4,8111296	4,898984	4,203242	4,415744	4,6483626
9,4508075	up	noncoding	ENST00000492786	15,29695	15,707511	15,336036	13,896411	14,782039	11,524182	11,503998	11,14277	13,594595	11,051214
3,282429	up	noncoding	TCONS_00028265	7,318194	6,207286	6,9366703	7,390822	7,874209	5,0891156	5,6323214	5,403681	5,7951193	5,233125
2,2981959	up	noncoding	NR_033449	12,505152	11,972122	12,611112	12,281976	12,835433	11,187763	11,25903	11,176474	11,3153515	11,2646675
2,2981959	up	noncoding	NR_033449	12,505152	11,972122	12,611112	12,281976	12,835433	11,187763	11,25903	11,176474	11,3153515	11,2646675
2,2981959	up	noncoding	NR_033449	12,505152	11,972122	12,611112	12,281976	12,835433	11,187763	11,25903	11,176474	11,3153515	11,2646675
2,2981959	up	noncoding	NR_033449	12,505152	11,972122	12,611112	12,281976	12,835433	11,187763	11,25903	11,176474	11,3153515	11,2646675
2,2981959	up	noncoding	NR_033449	12,505152	11,972122	12,611112	12,281976	12,835433	11,187763	11,25903	11,176474	11,3153515	11,2646675
2,1468893	up	noncoding	ENST00000542000	9,531233	9,651926	9,482939	9,16058	9,465072	8,544028	8,548546	8,512624	8,000308	8,175005
10,8896017	up	noncoding	NR_038981	6,9895453	7,0952697	7,022886	6,571352	7,0903726	3,6537955	4,3678727	3,899808	2,58014	3,043413
10,1395678	up	noncoding	ENST00000382864	5,8104796	5,179725	5,83255	5,468181	6,3055897	2,3704944	2,402045	2,3715568	2,3702428	2,372565
2,3913965	up	noncoding	ENST00000507934	5,2451468	5,05091	5,4706435	5,5992913	6,0473185	3,9490924	4,325955	4,215947	4,6228013	4,0102477
2,3913965	up	noncoding	ENST00000507934	5,2451468	5,05091	5,4706435	5,5992913	6,0473185	3,9490924	4,325955	4,215947	4,6228013	4,0102477
18,7701319	up	noncoding	ENST00000441110	6,670256	6,122498	6,70444	6,7124343	7,424317	2,9657013	2,402045	2,3715568	2,3702428	2,372565
2,7283378	up	noncoding	ENST00000424308	4,7973423	4,6488976	4,9174495	4,690917	5,1141844	2,4669895	3,2728317	3,6585596	3,8642833	3,6660154
4,9166227	up	noncoding	ENST00000565382	8,45903	8,638011	8,551723	8,11435	8,45037	6,2998905	5,963062	6,1629643	5,941629	6,3576
2,3112895	up	noncoding	ENST00000442765	6,5021644	6,000769	6,5292296	6,5457506	7,3312316	5,3693786	5,401005	5,5034156	4,977192	5,614664
3,1297899	up	noncoding	ENST00000452867	7,430325	7,249633	7,3322873	7,087381	7,657208	5,7379484	5,598542	5,6977105	5,9922504	5,500054
7,3170782	up	noncoding	ENST00000562490	5,9138465	6,6113434	6,0288973	4,8722353	5,535225	2,3685398	3,2225804	2,8826826	3,3358033	2,795603
2,9440305	up	noncoding	ENST00000414688	6,1096115	6,573455	5,9938364	5,344934	4,8429546	3,8044631	3,852883	4,031744	4,6796374	4,707101
2,0497874	up	noncoding	ENST00000429132	8,61225	8,3755455	8,52084	9,125683	8,896358	7,6049175	7,7761297	7,560138	7,891247	7,520873
2,3079063	up	noncoding	TCONS_00007049	9,342587	8,850182	9,096129	9,542111	9,496556	7,9509387	7,8242736	7,5879464	9,053606	7,877877
2,5053264	up	noncoding	ENST00000437194	4,7310305	4,706221	5,0583744	5,719801	5,1497483	3,1609716	4,0716634	4,2563725	3,5172129	3,7339618
6,9735436	up	noncoding	ENST00000578792	9,456163	9,209115	9,445291	9,33488	9,891276	6,755825	6,8010573	6,768457	6,347486	6,65444
11,534465	up	noncoding	ENST00000477144	6,9378886	6,6282177	7,0378194	6,5835533	7,3672247	3,8724613	2,8858025	3,452179	3,0750475	3,6298175
2,4144123	up	noncoding	ENST00000556637	6,8868933	6,361893	6,9013553	6,827516	7,150852	5,3680077	5,529849	5,8388147	5,3178163	5,7156615
4,2610231	up	noncoding	ENST00000436112	6,840328	6,8628983	6,815851	6,498762	6,861562	4,730464	5,0529056	4,757633	4,491998	4,3904014
6,7866781	up	noncoding	NR_001458	9,7395115	9,438465	9,673025	9,7529	10,118712	6,965907	6,9219246	6,932054	7,348242	6,740958
4,8816327	up	noncoding	uc001vvv.1	8,738146	8,878574	8,7308445	8,130007	8,686805	6,076477	6,3905735	5,6024504	7,1218343	6,5362225
2,3734123	up	noncoding	ENST00000455963	6,666767	6,8575473	6,531638	6,213667	6,421734	5,2980614	5,0395246	5,357932	5,441773	5,3192487
13,2808966	up	noncoding	ENST00000539482	8,235643	7,017217	7,814267	7,673326	7,3375406	4,5606413	3,6301515	3,470685	3,6317756	4,128337
4,9930093	up	noncoding	NR_045370	8,15636	8,017765	8,234278	7,730771	8,350597	5,6940784	5,6487837	5,9925823	5,59095	5,9638286
4,9930093	up	noncoding	NR_045370	8,15636	8,017765	8,234278	7,730771	8,350597	5,6940784	5,6487837	5,9925823	5,59095	5,9638286
4,9930093	up	noncoding	NR_045370	8,15636	8,017765	8,234278	7,730771	8,350597	5,6940784	5,6487837	5,9925823	5,59095	5,9638286
4,9930093	up	noncoding	NR_045370	8,15636	8,017765	8,234278	7,730771	8,350597	5,6940784	5,6487837	5,9925823	5,59095	5,9638286
4,9930093	up	noncoding	NR_045370	8,15636	8,017765	8,234278	7,730771	8,350597	5,6940784	5,6487837	5,9925823	5,59095	5,9638286
4,9930093	up	noncoding	NR_045370	8,15636	8,017765	8,234278	7,730771	8,350597	5,6940784	5,6487837	5,9925823	5,59095	5,9638286
4,9930093	up	noncoding	NR_045370	8,15636	8,017765	8,234278	7,730771	8,350597	5,6940784	5,6487837	5,9925823	5,59095	5,9638286
4,9930093	up	noncoding	NR_045370	8,15636	8,017765	8,234278	7,730771	8,350597	5,6940784	5,6487837	5,9925823	5,59095	5,9638286
4,9930093	up	noncoding	NR_045370	8,15636	8,017765	8,234278	7,730771	8,350597	5,6940784	5,6487837	5,9925823	5,59095	5,9638286
5,5784706	up	noncoding	ENST00000506250	9,428151	9,017711	9,347183	9,17235	9,784065	6,9515705	6,796056	6,6897073	6,688182	7,224596
2,2157422	up	noncoding	ENST00000549806	6,696701	6,080057	6,6386137	6,4	6,9855175	5,392169	5,520212	5,6566467	5,0261726	5,4667387
2,2157422	up	noncoding	ENST00000549806	6,696701	6,080057	6,6386137	6,4	6,9855175	5,392169	5,520212	5,6566467	5,0261726	5,4667387
2,2449494	up	noncoding	ENST00000414432	5,0961494	4,505032	4,509411	4,270312	5,297052	3,6858094	3,6854775	2,7687132	3,6547296	4,049812
3,3102302	up	noncoding	ENST00000454388	6,1819506	5,7152658	5,6647305	5,7105923	6,3184476	4,2330084	4,3609543	3,933706	4,5193987	3,9092617
18,0150936	up	noncoding	ENST00000428967	7,024103	6,1854076	7,088793	7,0636177	7,659529	2,7327702	2,402045	3,1375475	2,8343565	3,0590599
2,0544241	up	noncoding	ENST00000490320	9,320063	8,807416	9,294072	9,467832	9,705975	8,106516	8,146173	8,577452	8,088069	8,483478
2,21945	up	noncoding	ENST00000476276	12,525986	11,937967	12,189755	12,967707	12,963186	11,610489	11,477966	11,076714	11,585716	11,082705
10,0501178	up	noncoding	TCONS_00001675	12,155148	12,734402	11,974336	10,71111	11,3153515	8,267212	8,225239	7,803203	9,952069	7,996922
7,5353757	up	noncoding	uc001ixf.3	6,6913075	5,7925115	5,955741	6,672878	6,8977194	4,371434	3,432403	3,5347497	3,609576	2,4935975
7,5353757	up	noncoding	uc001ixf.3	6,6913075	5,7925115	5,955741	6,672878	6,8977194	4,371434	3,432403	3,5347497	3,609576	2,4935975
7,5353757	up	noncoding	uc001ixf.3	6,6913075	5,7925115	5,955741	6,672878	6,8977194	4,371434	3,432403	3,5347497	3,609576	2,4935975
7,5353757	up	noncoding	uc001ixf.3	6,6913075	5,7925115	5,955741	6,672878	6,8977194	4,371434	3,432403	3,5347497	3,609576	2,4935975

7,5353757	up	noncoding	uc001ixf.3	6,6913075	5,7925115	5,955741	6,672878	6,8977194	4,371434	3,432403	3,5347497	3,609576	2,4935975
7,5353757	up	noncoding	uc001ixf.3	6,6913075	5,7925115	5,955741	6,672878	6,8977194	4,371434	3,432403	3,5347497	3,609576	2,4935975
7,5353757	up	noncoding	uc001ixf.3	6,6913075	5,7925115	5,955741	6,672878	6,8977194	4,371434	3,432403	3,5347497	3,609576	2,4935975
7,5353757	up	noncoding	uc001ixf.3	6,6913075	5,7925115	5,955741	6,672878	6,8977194	4,371434	3,432403	3,5347497	3,609576	2,4935975
2,1531091	up	noncoding	ENST00000444433	12,173136	11,638671	11,947117	11,880422	12,356565	10,995735	10,847864	10,626793	11,161867	10,831545
3,2811274	up	noncoding	ENST00000533170	5,2003245	4,88239	5,449823	5,3266177	5,924887	2,95095	3,2261782	3,9918594	4,3189535	3,725143
5,9302239	up	noncoding	NR_027321	9,006092	7,1701846	8,854567	9,547578	10,352406	6,315915	6,0129247	6,123473	7,154573	6,483509
5,9435439	up	noncoding	uc021qbz.1	10,123379	8,404269	10,226945	10,6840925	10,992218	7,538979	7,456489	7,5198865	7,3684464	7,6904855
3,9236506	up	noncoding	ENST00000436922	5,9370136	5,5548034	5,792389	5,333337	6,1777873	3,71739	3,9474385	3,973765	3,4587753	3,8369787
2,0723815	up	noncoding	ENST00000526456	5,2749043	4,3222075	5,16782	5,25968	5,693941	4,3720193	4,575829	4,0976915	3,441424	3,9751408
2,827369	up	noncoding	ENST00000581951	11,351207	11,008295	11,345719	12,892637	11,616368	10,333276	10,49011	10,087463	10,539156	9,26692
2,5507259	up	noncoding	ENST00000509036	5,64063	5,6893797	5,7100782	5,7281103	5,7248454	2,7288585	4,6508512	4,5634255	5,3539867	4,4413824
2,7172466	up	noncoding	AK055084R	7,663499	7,2715344	7,633649	7,502674	8,005767	6,1797333	5,9070992	6,0253577	6,5638537	6,190352
2,0061768	up	noncoding	ENST00000507238	4,9760766	4,652334	4,7724786	5,0847006	5,26567	4,1473556	4,3735476	3,576696	4,0134826	3,6179342
2,0072314	up	noncoding	ENST00000417742	7,4184556	6,99934	7,180201	7,163143	7,665463	6,3360314	6,199989	6,3216724	6,338143	6,204732
4,2475738	up	noncoding	TCONS_00013917	9,528663	8,636288	9,201566	9,555956	10,588546	7,762169	7,922098	7,208794	7,683731	6,501032
7,6468385	up	noncoding	ENST00000536914	9,831322	9,343688	9,667284	9,473809	10,189559	6,856935	6,7961717	6,543993	6,5150523	7,119193
7,6468385	up	noncoding	ENST00000536914	9,831322	9,343688	9,667284	9,473809	10,189559	6,856935	6,7961717	6,543993	6,5150523	7,119193
8,2857582	up	noncoding	ENST00000513899	6,513829	5,6667237	6,4160213	6,949975	6,941804	4,2266808	3,651126	3,349237	3,1024096	2,905731
8,2857582	up	noncoding	ENST00000513899	6,513829	5,6667237	6,4160213	6,949975	6,941804	4,2266808	3,651126	3,349237	3,1024096	2,905731
8,2857582	up	noncoding	ENST00000513899	6,513829	5,6667237	6,4160213	6,949975	6,941804	4,2266808	3,651126	3,349237	3,1024096	2,905731
8,2857582	up	noncoding	ENST00000513899	6,513829	5,6667237	6,4160213	6,949975	6,941804	4,2266808	3,651126	3,349237	3,1024096	2,905731
3,7169206	up	noncoding	ENST00000558097	6,0626516	6,127601	5,508564	4,574973	5,4639916	3,4867978	3,5005205	3,863609	3,925692	3,4906225
2,0020156	up	noncoding	ENST00000505295	8,047115	8,102379	8,181511	7,6707687	8,046494	7,127651	7,0331106	7,182624	6,604856	7,09276
2,0020156	up	noncoding	ENST00000505295	8,047115	8,102379	8,181511	7,6707687	8,046494	7,127651	7,0331106	7,182624	6,604856	7,09276
2,0020156	up	noncoding	ENST00000505295	8,047115	8,102379	8,181511	7,6707687	8,046494	7,127651	7,0331106	7,182624	6,604856	7,09276
4,5534092	up	noncoding	ENST00000524131	13,24025	12,454701	13,23654	13,288974	13,572782	11,169448	11,138725	10,7867565	10,96952	10,794062
28,0820054	up	noncoding	ENST00000413768	8,195233	8,295881	8,168658	7,657208	8,110224	2,7407331	3,051512	3,1157615	3,9667468	3,4945803
2,697391	up	noncoding	ENST00000452471	5,753691	5,9250307	5,8674955	5,820529	5,9935064	4,5833683	4,826604	4,5265603	4,334196	3,9317007
4,5210899	up	noncoding	ENST00000442449	6,0585775	5,985617	6,178077	5,6607623	6,761361	2,959927	4,75917	3,9154704	4,3927016	3,7337728
4,5210899	up	noncoding	ENST00000442449	6,0585775	5,985617	6,178077	5,6607623	6,761361	2,959927	4,75917	3,9154704	4,3927016	3,7337728
2,9248022	up	noncoding	NR_038251	6,171541	6,890134	6,523243	5,2016916	5,383665	4,574719	4,464654	4,900728	4,0098658	4,4786124
2,9248022	up	noncoding	NR_038251	6,171541	6,890134	6,523243	5,2016916	5,383665	4,574719	4,464654	4,900728	4,0098658	4,4786124
9,2853055	up	noncoding	ENST00000421437	5,9400835	4,927862	5,7819085	6,6863103	6,5727415	2,3702393	3,1909263	2,3715568	3,5288715	2,372565
9,9243489	up	noncoding	ENST00000424094	10,565836	9,513554	10,511344	10,911307	11,219982	7,479729	7,3210835	7,220138	7,0059156	7,1402946
13,2629901	up	noncoding	ENST00000565747	7,233636	7,2951894	7,3331094	6,585134	7,286016	2,7244964	3,5876656	3,6551874	3,3213644	3,7977002
2,5475555	up	noncoding	TCONS_00018869	7,61989	7,4814506	7,519596	7,313839	7,6044765	6,270719	5,952052	6,3346353	5,800364	6,435914
2,2605856	up	noncoding	TCONS_00001604	5,1199	4,292381	4,8145876	4,990941	5,7131634	3,7380538	4,3084793	4,288336	2,9232802	3,789341
2,4024976	up	noncoding	NR_040096	7,057148	6,6094675	7,061706	7,2615066	7,3520164	6,0880075	5,9639134	5,7281103	5,3362293	5,902909
2,4024976	up	noncoding	NR_040096	7,057148	6,6094675	7,061706	7,2615066	7,3520164	6,0880075	5,9639134	5,7281103	5,3362293	5,902909
20,3723186	up	noncoding	ENST00000383038	9,151841	9,119681	9,16058	8,941361	9,254168	4,485927	5,1276336	5,23678	4,447575	4,587024
2,7895636	up	noncoding	ENST00000573819	5,621775	5,2665944	5,342356	5,670978	6,113023	4,0734396	4,0302815	3,82467	4,562066	4,124072
4,5003316	up	noncoding	ENST00000565050	6,910466	6,1484222	6,518854	6,840121	7,267437	4,779272	4,320856	4,795745	4,5965166	4,342754
2,1864397	up	noncoding	ENST00000569710	8,639019	8,52111	8,619131	8,759148	8,921278	7,6985073	7,718539	7,528448	7,6010714	7,2702026
2,1864397	up	noncoding	ENST00000569710	8,639019	8,52111	8,619131	8,759148	8,921278	7,6985073	7,718539	7,528448	7,6010714	7,2702026
2,3730791	up	noncoding	ENST00000425595	7,6658087	7,3469753	7,6235166	7,7056704	7,927446	6,6340647	6,513936	6,4087143	6,290365	6,188536
4,8220335	up	noncoding	NR_033359	8,431687	6,972554	8,450918	8,950938	9,190988	6,331645	6,122792	6,132021	5,9056916	6,156727
6,0879858	up	noncoding	ENST00000430733	8,79321	8,111722	8,596096	8,566552	9,331421	6,1633244	6,1820087	6,0078783	6,2018986	5,814066
6,0879858	up	noncoding	ENST00000430733	8,79321	8,111722	8,596096	8,566552	9,331421	6,1633244	6,1820087	6,0078783	6,2018986	5,814066
3,5118327	up	noncoding	ENST00000528056	12,601628	12,930911	12,668613	11,879612	12,160425	10,468263	10,3850765	10,259591	11,652947	10,414191
11,1048719	up	noncoding	TCONS_00023589	6,4997454	5,127999	6,1812944	4,688646	6,8399625	2,3695436	2,402045	2,3715568	2,4563327	2,372565
2,777308	up	noncoding	uc002gwy.3	7,2122426	7,117095	7,1288934	6,715807	7,3403473	5,538855	5,614857	5,670695	5,7154303	5,606112
2,4432472	up	noncoding	ENST00000412759	8,642727	8,610858	8,661647	8,434092	8,875992	7,4326997	7,3421884	7,516059	7,1821156	7,308254
3,5686979	up	noncoding	ENST00000428044	6,567914	6,1265936	6,4439573	5,715032	6,856127	4,4698777	4,594681	4,568221	4,1985903	4,701265
13,629306	up	noncoding	ENST00000440200	9,209395	8,331174	9,184707	8,574964	9,468307	5,2216277	5,031517	4,524086	5,8630743	5,285041
13,629306	up	noncoding	ENST00000440200	9,209395	8,331174	9,184707	8,574964	9,468307	5,2216277	5,031517	4,524086	5,8630743	5,285041
13,629306	up	noncoding	ENST00000440200	9,209395	8,331174	9,184707	8,574964	9,468307	5,2216277	5,031517	4,524086	5,8630743	5,285041
2,0982177	up	noncoding	ENST00000563660	8,536028	8,854256	8,619532	8,02603	8,365964	7,376435	7,4349995	7,5566325	7,0960593	7,591862
2,0982177	up	noncoding	ENST00000563660	8,536028	8,854256	8,619532	8,02603	8,365964	7,376435	7,4349995	7,5566325	7,0960593	7,591862
12,1711862	up	noncoding	ENST00000505537	6,210318	4,641385	6,0953693	5,9892974	6,975845	2,3688157	2,402045	2,3715568	2,3702428	2,372565
2,4759284	up	noncoding	ENST00000437190	5,622579	5,3438773	5,809738	5,147387	5,9977694	4,295691	4,106355	4,3419538	3,9673219	4,670181
2,0652768	up	noncoding	uc002ued.3	6,5099373	6,1633244	6,735499	6,760298	6,727719	5,843956	5,6483307	5,7581954	5,115683	5,298937
2,0652768	up	noncoding	uc002ued.3	6,5099373	6,1633244	6,735499	6,760298	6,727719	5,843956	5,6483307	5,7581954	5,115683	5,298937
2,2403324	up	noncoding	ENST00000419450	4,7492514	4,293011	5,0423574	5,431789	5,24991	3,572968	4,366339	3,9782481	3,1393824	3,8908174
3,5546014	up	noncoding	ENST00000470313	5,437465	5,134861	5,1127095	4,839793	6,0029626	4,2628818	3,1568766	3,5645037	3,39736	2,99773
4,5902378	up	noncoding	ENST00000430945	6,522907	6,4333296	6,546262	6,2456436	6,8278294	4,040007	4,4392405	4,0046563	4,4537454	4,645478
5,3652709	up	noncoding	ENST00000475561	5,265955	3,9535055	5,475503	4,3349013	5,6317286	2,7104535	2,402045	2,3715568	2,686718	2,372565
3,4869862	up	noncoding	ENST00000456104	8,734584	8,810907	8,6748295	8,911309	8,7645645	6,806222	6,795264	6,610739	7,8612328	6,812833
2,3417076	up	noncoding	uc021pvt.1	9,198923	9,221095	9,201933	8,748054	9,252515	7,8574843	7,9402084	8,075209	7,655081	7,9567327
5,3721131	up	noncoding	ENST00000542086	7,137376	6,811241	7,0341926	7,0439453	7,3729687	4,878485	4,8188915	4,6619353	4,262775	4,6501884

5,3721131	up	noncoding	ENST00000542086	7,137376	6,811241	7,0341926	7,0439453	7,3729687	4,878485	4,8188915	4,6619353	4,262775	4,6501884
6,0177248	up	noncoding	ENST00000398461	9,55434	9,257141	9,475305	9,680583	9,759133	6,8669553	7,0621734	7,110591	6,7105384	7,0301533
2,6492261	up	noncoding	uc001xqo.1	6,9597244	7,1396246	7,023709	6,4882975	7,0485616	5,598542	5,6580653	5,8040123	5,126629	5,4448137
2,1839972	up	noncoding	ENST00000457991	5,426205	5,4592676	5,432926	4,4056745	4,7898345	3,566603	4,134042	3,9251125	4,0326996	4,2205954
9,3814493	up	noncoding	ENST00000512839	5,820039	4,9645057	5,7506633	5,465729	6,4945507	2,3682294	2,402045	2,3715568	2,384308	2,8202944
5,4687493	up	noncoding	TCONS_00020785	6,4584255	6,18569	6,3330665	5,1325607	6,5763254	3,5203426	3,3803957	3,9204378	4,0635295	3,5453079
2,0231057	up	noncoding	ENST00000426367	9,0704365	9,230525	9,058618	9,174176	9,030202	7,943961	8,064815	8,15865	8,157785	8,155888
2,6071807	up	noncoding	TCONS_00001385	6,297903	6,174892	6,416342	6,068095	6,5475235	4,6571155	5,2192683	5,2758574	4,411114	5,0289474
6,6909544	up	noncoding	ENST00000568817	7,560634	6,7361026	7,5216875	7,708551	8,111915	4,676763	4,8897	5,252536	4,007677	5,101154
4,0305446	up	noncoding	NR_038435	11,983912	11,893598	11,963083	12,24415	12,115124	10,241586	10,341328	10,149658	9,675599	9,736822
2,1102887	up	noncoding	ENST00000435037	8,599272	8,630953	8,445278	8,90206	8,638217	7,3660088	7,40522	7,6128416	7,9384003	7,5061073
2,1102887	up	noncoding	ENST00000435037	8,599272	8,630953	8,445278	8,90206	8,638217	7,3660088	7,40522	7,6128416	7,9384003	7,5061073
2,1102887	up	noncoding	ENST00000435037	8,599272	8,630953	8,445278	8,90206	8,638217	7,3660088	7,40522	7,6128416	7,9384003	7,5061073
5,744512	up	noncoding	ENST00000433419	8,408492	7,9092803	8,382242	8,282586	8,82935	6,3436527	6,430414	6,146728	4,8489714	5,4312625
2,800766	up	noncoding	ENST00000568262	7,226197	6,9464912	7,1434464	6,8450084	7,509589	5,5575743	5,68906	5,857873	5,310534	5,8265834
6,6396014	up	noncoding	ENST00000581946	11,330883	9,558755	10,971927	10,50033	11,889566	7,911781	7,9321613	7,812484	9,11894	7,8206115
6,6396014	up	noncoding	ENST00000581946	11,330883	9,558755	10,971927	10,50033	11,889566	7,911781	7,9321613	7,812484	9,11894	7,8206115
7,6506952	up	noncoding	ENST00000550268	6,319484	5,8371835	6,5922623	6,0030546	6,5784206	3,7832828	2,402045	3,2920158	3,4310875	3,7440197
7,6506952	up	noncoding	ENST00000550268	6,319484	5,8371835	6,5922623	6,0030546	6,5784206	3,7832828	2,402045	3,2920158	3,4310875	3,7440197
7,6506952	up	noncoding	ENST00000550268	6,319484	5,8371835	6,5922623	6,0030546	6,5784206	3,7832828	2,402045	3,2920158	3,4310875	3,7440197
6,3896239	up	noncoding	NR_047541	5,387729	5,2290697	5,527479	5,1272655	5,422288	2,9398563	2,402045	2,3715568	3,229153	2,372565
6,3896239	up	noncoding	NR_047541	5,387729	5,2290697	5,527479	5,1272655	5,422288	2,9398563	2,402045	2,3715568	3,229153	2,372565
2,1556937	up	noncoding	uc002oqt.1	10,154219	10,837624	10,051609	9,744494	9,419136	8,850182	8,888399	8,970273	9,159169	8,798298
3,6841107	up	noncoding	ENST00000415532	4,5533724	3,6350782	4,557089	4,692467	5,501021	2,368628	2,402045	2,3715568	3,8882427	2,501973
12,6520472	up	noncoding	ENST00000255183	6,8322086	5,809669	6,862273	6,8147163	7,4916973	2,3788471	3,6158063	3,0564246	2,9216874	3,5313041
2,3359312	up	noncoding	ENST00000565554	10,56538	10,071005	10,553631	11,060384	11,004677	9,550934	9,55935	9,506129	9,352882	9,165793
2,4970675	up	noncoding	NR_028077	8,275202	8,413555	8,335927	7,936091	8,374669	7,041398	6,895758	7,223722	6,498762	7,07463
2,0516659	up	noncoding	ENST00000564390	6,6249404	6,0824976	6,6878877	6,4319677	7,093873	5,6356483	5,482816	5,657468	5,20129	5,759965
8,4994513	up	noncoding	NR_046471	7,847565	6,8634286	7,903722	8,160708	8,565184	4,9013343	4,7418513	4,6989775	4,5109015	5,0506945
3,872349	up	noncoding	ENST00000425497	13,015838	13,454791	12,760731	12,227332	12,914735	11,086211	10,903199	10,724077	10,949976	10,943919
6,2998879	up	noncoding	uc003dwf.4	6,57925	5,7812552	6,4889097	6,5992775	7,166941	3,4735022	4,2466984	4,3237724	3,477071	3,8179586
14,3874519	up	noncoding	uc010csj.2	7,518202	7,464712	7,307655	7,6499066	7,7770715	3,9957416	3,1438293	3,7450738	4,1093626	3,4898438
2,7876623	up	noncoding	ENST00000569013	9,171935	8,296034	8,93918	9,602123	9,778068	7,6770287	7,560723	7,4535627	8,136931	7,5638156
9,0876087	up	noncoding	ENST00000555001	7,8138328	7,818584	7,711794	7,453067	8,004353	5,018151	5,0099792	4,8981495	3,9822521	3,9735954
5,8364639	up	noncoding	ENST00000534866	7,5392923	7,8096976	7,6363053	6,815466	7,50673	4,952449	4,6706204	5,121987	4,586836	5,250126
2,2956587	up	noncoding	ENST00000562459	7,925156	7,9987564	7,876686	7,6426034	8,081779	6,816378	6,8161826	6,859516	6,312395	6,7259684
7,8049695	up	noncoding	ENST00000433442	15,74911	15,913579	15,799926	14,349866	15,213297	12,352703	12,335961	11,9536	13,765665	11,795884
2,712798	up	noncoding	ENST00000524714	7,3965435	7,4044523	7,315122	6,8283734	7,3559337	5,773731	5,902617	6,0117903	5,602899	5,8104796
2,712798	up	noncoding	ENST00000524714	7,3965435	7,4044523	7,315122	6,8283734	7,3559337	5,773731	5,902617	6,0117903	5,602899	5,8104796
2,712798	up	noncoding	ENST00000524714	7,3965435	7,4044523	7,315122	6,8283734	7,3559337	5,773731	5,902617	6,0117903	5,602899	5,8104796
3,8296695	up	noncoding	ENST00000519680	5,466923	5,8402367	5,6854033	4,2263613	6,1364746	3,039622	3,3606162	4,0634303	3,703744	3,501887
32,0393102	up	noncoding	TCONS_00022597	7,926835	6,9745665	7,4012938	7,558255	8,554504	2,3695612	2,402045	2,3715568	3,161489	3,1019464
2,7267645	up	noncoding	ENST00000441971	6,190173	5,423328	5,9370136	5,875533	6,658636	4,835299	4,8200855	4,6782923	4,2816863	4,23337
2,7267645	up	noncoding	ENST00000441971	6,190173	5,423328	5,9370136	5,875533	6,658636	4,835299	4,8200855	4,6782923	4,2816863	4,23337
2,7267645	up	noncoding	ENST00000441971	6,190173	5,423328	5,9370136	5,875533	6,658636	4,835299	4,8200855	4,6782923	4,2816863	4,23337
2,7267645	up	noncoding	ENST00000441971	6,190173	5,423328	5,9370136	5,875533	6,658636	4,835299	4,8200855	4,6782923	4,2816863	4,23337
2,5226775	up	noncoding	ENST00000437717	5,568695	6,20078	5,7421746	5,123317	5,0024443	4,498764	4,5063124	4,4723067	3,573617	3,911632
9,7347811	up	noncoding	ENST00000554693	6,9445987	6,499065	6,87429	6,341135	7,283169	2,8288534	3,696838	3,8211284	3,1385322	4,041163
2,7928976	up	noncoding	uc009yer.3	7,407639	6,700305	7,3996296	7,782375	7,873167	5,976516	5,977848	5,9245167	5,9441795	5,931242
2,7928976	up	noncoding	uc009yer.3	7,407639	6,700305	7,3996296	7,782375	7,873167	5,976516	5,977848	5,9245167	5,9441795	5,931242
2,7928976	up	noncoding	uc009yer.3	7,407639	6,700305	7,3996296	7,782375	7,873167	5,976516	5,977848	5,9245167	5,9441795	5,931242
2,7928976	up	noncoding	uc009yer.3	7,407639	6,700305	7,3996296	7,782375	7,873167	5,976516	5,977848	5,9245167	5,9441795	5,931242
2,7928976	up	noncoding	uc009yer.3	7,407639	6,700305	7,3996296	7,782375	7,873167	5,976516	5,977848	5,9245167	5,9441795	5,931242
2,7928976	up	noncoding	uc009yer.3	7,407639	6,700305	7,3996296	7,782375	7,873167	5,976516	5,977848	5,9245167	5,9441795	5,931242
4,7453716	up	noncoding	TCONS_00009927	8,0549755	7,8193803	8,005039	7,918684	8,172317	5,85952	6,086776	5,8124714	5,2670484	5,7119746
4,1459333	up	noncoding	TCONS_00022133	7,15886	6,9327645	7,034972	6,752029	7,3177056	5,0286336	5,1023984	5,113726	4,8948655	4,798223
2,0787338	up	noncoding	NR_048559	13,833129	13,327243	13,951225	13,794598	14,154737	12,884085	12,682196	12,501764	12,86451	12,849852
2,0787338	up	noncoding	NR_048559	13,833129	13,327243	13,951225	13,794598	14,154737	12,884085	12,682196	12,501764	12,86451	12,849852
4,0023108	up	noncoding	ENST00000505347	11,8875	12,110299	12,50696	11,551764	11,647451	9,388998	9,585189	9,477211	11,021465	10,226945
8,0246752	up	noncoding	ENST00000554926	7,897691	7,9569097	7,7162747	6,399841	7,3753676	3,9796674	4,254673	3,9247775	5,5813828	4,5833683
2,7729524	up	noncoding	ENST00000564464	9,299285	9,308742	9,301262	9,136975	9,374141	7,992243	8,032934	7,8246593	7,6785965	7,534858
2,576218	up	noncoding	ENST00000445415	13,327243	12,8208065	13,178595	12,689262	13,430624	11,712304	11,479746	11,298526	12,478813	11,650868
4,7245438	up	noncoding	TCONS_00011942	7,34285	6,814055	7,270357	7,2528963	7,921258	5,1965475	5,0129266	5,299135	4,655322	5,23661
21,2543949	up	noncoding	ENST00000429588	8,276888	8,182811	8,386298	8,01398	8,494316	4,2149324	3,6712081	4,0302815	3,5519004	3,8375242
21,2543949	up	noncoding	ENST00000429588	8,276888	8,182811	8,386298	8,01398	8,494316	4,2149324	3,6712081	4,0302815	3,5519004	3,8375242
21,2543949	up	noncoding	ENST00000429588	8,276888	8,182811	8,386298	8,01398	8,494316	4,2149324	3,6712081	4,0302815	3,5519004	3,8375242
21,2543949	up	noncoding	ENST00000429588	8,276888	8,182811	8,386298	8,01398	8,494316	4,2149324	3,6712081	4,0302815	3,5519004	3,8375242
21,2543949	up	noncoding	ENST00000429588	8,276888	8,182811	8,386298	8,01398	8,494316	4,2149324	3,6712081	4,0302815	3,5519004	3,8375242
2,7821572	up	noncoding	NR_033339	5,6473603	5,514583	5,7312245	5,655594	6,1852846	4,0778003	4,2687206	4,3428535	4,102527	4,5611253
2,7821572	up	noncoding	NR_033339	5,6473603	5,514583	5,7312245	5,655594	6,1852846	4,0778003	4,2687206	4,3428535	4,102527	4,5611253

2,3349022	up	noncoding	ENST00000565498	4,7752547	4,2076297	4,407132	4,396945	5,08572	4,0745955	3,2788243	3,682136	2,5953739	3,124941
2,3349022	up	noncoding	ENST00000565498	4,7752547	4,2076297	4,407132	4,396945	5,08572	4,0745955	3,2788243	3,682136	2,5953739	3,124941
2,1989823	up	noncoding	ENST00000550840	4,389779	4,2551665	3,6877184	5,347663	6,637823	2,3795235	3,832258	3,4950988	4,4730935	4,453996
3,250114	up	noncoding	uc002edb.3	6,259049	5,5885377	6,037224	5,9185786	6,639605	3,9619539	3,981973	4,5797772	4,938487	4,4783516
4,0756538	up	noncoding	ENST00000558208	6,7961717	7,334358	6,5731173	5,7278986	5,8560886	4,183118	4,3109417	4,266448	4,636408	4,755561
13,9935921	up	noncoding	uc001jxr.1	9,266375	9,184707	9,272932	8,9353075	9,476658	4,852846	5,147276	5,5767016	5,6937957	5,831888
13,9935921	up	noncoding	uc001jxr.1	9,266375	9,184707	9,272932	8,9353075	9,476658	4,852846	5,147276	5,5767016	5,6937957	5,831888
13,9935921	up	noncoding	uc001jxr.1	9,266375	9,184707	9,272932	8,9353075	9,476658	4,852846	5,147276	5,5767016	5,6937957	5,831888
13,9935921	up	noncoding	uc001jxr.1	9,266375	9,184707	9,272932	8,9353075	9,476658	4,852846	5,147276	5,5767016	5,6937957	5,831888
2,0239977	up	noncoding	ENST00000430679	5,125098	4,8484683	4,950193	4,391983	5,4896264	4,695467	3,9124613	4,1790824	3,3327894	3,5995302
4,0720783	up	noncoding	TCONS_00005211	5,6642957	5,3095894	5,4611025	5,760825	6,1231875	3,8290408	4,0889454	4,0848546	2,8139958	3,373337
2,1231453	up	noncoding	uc009yzs.1	9,995273	10,076252	9,959248	9,32835	9,653442	8,763	8,60391	8,4865	8,997295	8,7308445
2,1231453	up	noncoding	uc009yzs.1	9,995273	10,076252	9,959248	9,32835	9,653442	8,763	8,60391	8,4865	8,997295	8,7308445
2,1231453	up	noncoding	uc009yzs.1	9,995273	10,076252	9,959248	9,32835	9,653442	8,763	8,60391	8,4865	8,997295	8,7308445
2,1231453	up	noncoding	uc009yzs.1	9,995273	10,076252	9,959248	9,32835	9,653442	8,763	8,60391	8,4865	8,997295	8,7308445
2,1859706	up	noncoding	ENST00000568371	5,771768	5,8897605	6,031177	5,696915	6,1206493	4,9085937	4,226019	4,882541	4,614557	5,237189
2,3268291	up	noncoding	ENST00000536112	5,320542	5,5063863	5,293279	4,321341	5,4100585	3,4683428	4,569039	4,2574596	3,715182	3,749757
5,1881085	up	noncoding	TCONS_00026229	10,339431	8,529536	10,297913	11,407925	11,180807	8,477807	8,249603	7,601764	8,038634	7,5117607
6,25359	up	noncoding	HMlincRNA1594-	6,2990093	6,2077646	6,1444936	5,5898027	6,364303	2,3764994	3,6558654	3,4371185	3,5158777	4,396589
2,0177511	up	noncoding	TCONS_00011742	7,509589	7,0889177	7,523339	7,2935295	8,012738	6,3734927	6,591982	6,284104	6,6980357	6,4167576
4,2772132	up	noncoding	ENST00000520819	6,4822574	6,509186	6,3153644	6,067382	6,5854053	4,893698	4,8901315	4,166978	3,463635	4,061797
4,8055704	up	noncoding	ENST00000580057	5,343648	4,3504953	4,994543	5,980033	6,165594	3,0706046	3,0146236	3,3494802	3,7035015	2,372565
2,9387785	up	noncoding	ENST00000430320	7,420033	7,59279	7,230173	6,9412584	7,30692	5,747979	5,8302455	5,75417	5,406047	5,9766498
3,0692905	up	noncoding	ENST00000564271	11,151125	11,43283	11,201977	10,792054	11,011255	9,587	9,655336	9,55434	9,29906	9,403979
3,0692905	up	noncoding	ENST00000564271	11,151125	11,43283	11,201977	10,792054	11,011255	9,587	9,655336	9,55434	9,29906	9,403979
3,0932457	up	noncoding	TCONS_00004060	8,319708	8,494738	8,162733	8,127629	7,8727016	6,2004557	6,3082247	5,903044	8,423967	5,996211
2,7726229	up	noncoding	NR_047648	11,79995	11,846752	11,785992	11,549877	11,764582	10,473114	10,578279	10,369169	9,904413	10,065921
19,1318672	up	noncoding	ENST00000520395	7,4422946	6,643641	7,4046373	7,5912614	8,087448	2,9297805	3,843264	3,4019172	2,3917477	3,313044
5,5244376	up	noncoding	ENST00000566551	11,022174	10,55408	10,965949	11,21185	11,402963	8,67371	8,772899	8,656845	8,16472	8,559704
4,4053411	up	noncoding	uc022cad.1	9,269632	8,902969	9,3185835	9,092683	9,456993	7,0516214	7,1551056	6,77596	6,991017	7,3708878
2,1660152	up	noncoding	ENST00000423455	6,014535	5,9154468	5,8151617	6,116119	6,373724	4,628726	4,7623754	4,3945537	5,853692	5,0204225
2,6672981	up	noncoding	NR_046425	4,904316	4,6721697	4,6623	4,4434237	4,764768	2,3689709	3,1863596	3,3835347	4,0260572	3,4051597
2,6672981	up	noncoding	NR_046425	4,904316	4,6721697	4,6623	4,4434237	4,764768	2,3689709	3,1863596	3,3835347	4,0260572	3,4051597
2,6672981	up	noncoding	NR_046425	4,904316	4,6721697	4,6623	4,4434237	4,764768	2,3689709	3,1863596	3,3835347	4,0260572	3,4051597
2,6672981	up	noncoding	NR_046425	4,904316	4,6721697	4,6623	4,4434237	4,764768	2,3689709	3,1863596	3,3835347	4,0260572	3,4051597
2,6672981	up	noncoding	NR_046425	4,904316	4,6721697	4,6623	4,4434237	4,764768	2,3689709	3,1863596	3,3835347	4,0260572	3,4051597
2,6672981	up	noncoding	NR_046425	4,904316	4,6721697	4,6623	4,4434237	4,764768	2,3689709	3,1863596	3,3835347	4,0260572	3,4051597
2,6672981	up	noncoding	NR_046425	4,904316	4,6721697	4,6623	4,4434237	4,764768	2,3689709	3,1863596	3,3835347	4,0260572	3,4051597
2,6672981	up	noncoding	NR_046425	4,904316	4,6721697	4,6623	4,4434237	4,764768	2,3689709	3,1863596	3,3835347	4,0260572	3,4051597
3,1533115	up	noncoding	ENST00000520594	6,016917	5,349643	6,001195	6,200579	6,438761	4,6818233	4,8128777	4,4606943	3,5898476	4,1775136
2,7131472	up	noncoding	NR_033258	10,321407	10,351872	10,307122	10,104814	10,3322735	8,87881	8,925626	9,028092	8,511251	8,873873
2,7131472	up	noncoding	NR_033258	10,321407	10,351872	10,307122	10,104814	10,3322735	8,87881	8,925626	9,028092	8,511251	8,873873
3,5349892	up	noncoding	ENST00000444125	12,036228	12,4020815	12,139286	11,541901	11,732043	10,278624	10,3251095	10,215521	9,880247	10,043509
5,5234214	up	noncoding	ENST00000521256	11,678664	10,689107	11,650868	12,158405	12,258913	9,189081	9,19495	9,115763	9,59397	9,014382
2,6025421	up	noncoding	ENST00000574260	8,172135	7,8415003	8,109588	8,165196	8,343428	7,106156	7,1474733	6,7352014	6,3771415	6,3662677
2,6025421	up	noncoding	ENST00000574260	8,172135	7,8415003	8,109588	8,165196	8,343428	7,106156	7,1474733	6,7352014	6,3771415	6,3662677
2,6025421	up	noncoding	ENST00000574260	8,172135	7,8415003	8,109588	8,165196	8,343428	7,106156	7,1474733	6,7352014	6,3771415	6,3662677
2,6025421	up	noncoding	ENST00000574260	8,172135	7,8415003	8,109588	8,165196	8,343428	7,106156	7,1474733	6,7352014	6,3771415	6,3662677
10,9314954	up	noncoding	ENST00000450029	7,4029984	6,336189	7,4510374	7,7386065	8,099923	3,5992515	3,567948	4,018157	4,6802125	3,911091
10,5401303	up	noncoding	TCONS_00014353	9,202048	8,566552	9,129534	9,272551	9,678604	5,846336	6,090564	5,858315	5,693199	5,371771
2,9003277	up	noncoding	ENST00000533218	6,233475	5,8758388	6,2839923	6,276463	6,104571	4,158465	4,530556	4,4821734	5,327823	4,594243
3,023801	up	noncoding	ENST00000455507	10,126189	9,975288	10,147631	9,870863	10,410372	8,550532	8,51153	8,559909	8,330161	8,596395
10,0128644	up	noncoding	TCONS_00001336	5,9528766	4,162856	5,894555	5,9852066	6,7267866	2,586957	2,402045	2,3715568	2,3702428	2,372565
4,414718	up	noncoding	ENST00000432268	10,428761	9,473022	10,395276	10,674636	10,978236	8,2377405	8,175632	8,355237	8,083417	8,386298
3,3134009	up	noncoding	ENST00000565098	9,16276	8,369088	8,988891	8,845372	9,912684	7,3545012	7,320761	7,325729	7,3630347	7,2732053
11,0994072	up	noncoding	ENST00000552061	8,997554	8,252311	9,048091	9,240556	9,51566	5,675656	5,6558213	5,5982676	5,1633587	5,5990148
11,0994072	up	noncoding	ENST00000552061	8,997554	8,252311	9,048091	9,240556	9,51566	5,675656	5,6558213	5,5982676	5,1633587	5,5990148
11,0994072	up	noncoding	ENST00000552061	8,997554	8,252311	9,048091	9,240556	9,51566	5,675656	5,6558213	5,5982676	5,1633587	5,5990148
11,0994072	up	noncoding	ENST00000552061	8,997554	8,252311	9,048091	9,240556	9,51566	5,675656	5,6558213	5,5982676	5,1633587	5,5990148
6,6656585	up	noncoding	uc002zuo.1	13,190136	12,11106	12,896099	12,833561	13,685549	9,998103	10,014548	9,75639	11,159673	10,103954
2,9666911	up	noncoding	ENST00000450461	6,2775555	6,422879	6,372793	6,733313	6,2337813	4,808728	4,821441	5,260988	4,3238835	4,9810076
2,9666911	up	noncoding	ENST00000450461	6,2775555	6,422879	6,372793	6,733313	6,2337813	4,808728	4,821441	5,260988	4,3238835	4,9810076
2,4365461	up	noncoding	ENST00000429926	5,9857793	6,077646	5,9916887	5,1127095	5,981586	4,4303374	4,248078	4,7925816	4,5971093	4,6571155
5,1030127	up	noncoding	NR_047538	6,2772684	5,8166385	6,222258	5,656559	6,7361026	4,0699267	3,320432	4,075342	3,2618313	4,2245483
5,1030127	up	noncoding	NR_047538	6,2772684	5,8166385	6,222258	5,656559	6,7361026	4,0699267	3,320432	4,075342	3,2618313	4,2245483
15,6262819	up	noncoding	TCONS_00017336	8,720511	6,825491	8,637246	9,136297	9,503737	4,2341137	4,6369658	4,5783463	5,0947466	4,4495964
64,2313244	up	noncoding	ENST00000530572	10,003063	8,915794	9,839641	10,214189	10,689107	4,7284293	4,323627	4,10604	3,835787	2,641885
64,2313244	up	noncoding	ENST00000530572	10,003063	8,915794	9,839641	10,214189	10,689107	4,7284293	4,323627	4,10604	3,835787	2,641885
13,1870977	up	noncoding	NR_046464	8,978005	7,6843233	8,985586	8,968102	9,5724	5,1010566	5,0107193	5,229608	4,7796135	5,462143

2,2207708	up	noncoding	uc002ybl.2	9,712003	9,691484	9,736822	9,664619	9,728291	8,445051	8,439519	8,330687	9,1757345	8,386925
2,4941687	up	noncoding	uc001pya.3	7,766135	7,0522494	7,582498	7,3416514	8,566995	6,223962	6,2846885	6,09551	6,9623637	6,1502094
2,1095764	up	noncoding	ENST00000563759	6,1453524	5,4119897	6,038736	5,333452	5,8623376	4,7965617	4,334732	5,064803	4,128337	5,0826674
2,1585265	up	noncoding	TCONS_00014546	5,9676805	6,491155	6,1947584	4,469263	5,7695	4,3611493	4,6819234	4,8011327	4,5052814	4,992636
9,0707917	up	noncoding	ENST00000409898	8,988577	9,929441	8,991451	7,3188844	8,058062	5,670514	5,547647	5,5245156	5,0829964	5,5546
37,2997904	up	noncoding	ENST00000517632	7,92768	7,3569937	7,8821874	8,127383	8,2834635	3,0809205	2,6702282	2,978273	2,3702428	2,372565
8,7954585	up	noncoding	ENST00000508286	7,859145	7,5142765	7,8119917	7,8706307	8,472246	4,919098	4,733219	4,7659955	4,597843	4,8283405
47,8772154	up	noncoding	ENST00000560994	9,1215515	9,091562	9,161583	8,827576	9,364946	3,7390459	3,61028	3,6385365	2,6610527	4,0119667
3,1340396	up	noncoding	TCONS_00003661	10,062899	10,405526	10,112323	9,58662	9,453263	7,930003	8,024337	7,822029	9,706859	7,897286
4,201799	up	noncoding	ENST00000420226	5,5507164	6,0528665	5,6638975	4,5186777	5,446673	3,671988	2,8119311	3,768847	3,5301535	3,0948758
4,201799	up	noncoding	ENST00000420226	5,5507164	6,0528665	5,6638975	4,5186777	5,446673	3,671988	2,8119311	3,768847	3,5301535	3,0948758
4,201799	up	noncoding	ENST00000420226	5,5507164	6,0528665	5,6638975	4,5186777	5,446673	3,671988	2,8119311	3,768847	3,5301535	3,0948758
23,0871173	up	noncoding	ENST00000438322	9,920784	9,826924	9,860026	9,58616	10,060075	4,94975	5,5677023	5,2867393	5,7110357	5,093661
7,7965685	up	noncoding	uc002vms.1	11,927423	12,190997	11,886153	10,673491	11,505737	8,3866205	8,362453	8,311934	9,910911	8,397686
7,7965685	up	noncoding	uc002vms.1	11,927423	12,190997	11,886153	10,673491	11,505737	8,3866205	8,362453	8,311934	9,910911	8,397686
19,591641	up	noncoding	ENST00000415391	8,566732	7,9530034	8,084298	8,465153	8,955001	4,037987	4,310355	3,9871247	3,991618	4,236271
3,7232165	up	noncoding	NR_046325	15,244287	14,331472	15,280049	15,269437	15,769637	13,411486	13,215251	13,1404705	13,454791	13,190136
4,2223371	up	noncoding	ENST00000564211	7,3520164	7,480414	7,4137564	7,3971596	7,668326	5,292928	5,808297	5,2779975	5,4871025	5,0551386
7,4380704	up	noncoding	ENST00000524269	5,790056	5,3204317	5,634849	5,61862	6,0813437	3,0947635	2,6766841	2,3715568	3,455089	2,372565
4,1511524	up	noncoding	ENST00000423979	5,725313	5,512227	5,6637516	5,152685	6,626601	3,8470752	4,2006273	3,9766254	3,251955	3,1367352
2,1368941	up	noncoding	ENST00000455464	7,590167	8,127629	7,7107663	7,156508	6,9358997	6,285353	6,4372573	6,586073	6,4337397	6,30097
2,6829723	up	noncoding	ENST00000555481	9,132011	8,586906	9,221413	8,709307	9,453512	7,7298975	7,3691874	7,3545012	7,841853	7,688549
3,285056	up	noncoding	NR_029379	5,8744526	5,1141844	5,934114	5,8295527	6,044675	4,303653	3,8290408	4,382762	3,651273	4,05066
2,2203337	up	noncoding	ENST00000567272	14,372104	14,314963	14,470837	14,265222	14,470837	13,327243	13,256554	13,0984535	13,336467	13,121363
2,0622966	up	noncoding	uc021pov.1	6,9663095	6,660325	6,9361153	6,977036	7,356399	5,848485	5,8124714	5,930216	6,067382	6,0163713
2,0622966	up	noncoding	uc021pov.1	6,9663095	6,660325	6,9361153	6,977036	7,356399	5,848485	5,8124714	5,930216	6,067382	6,0163713
2,0622966	up	noncoding	uc021pov.1	6,9663095	6,660325	6,9361153	6,977036	7,356399	5,848485	5,8124714	5,930216	6,067382	6,0163713
2,0622966	up	noncoding	uc021pov.1	6,9663095	6,660325	6,9361153	6,977036	7,356399	5,848485	5,8124714	5,930216	6,067382	6,0163713
2,3095503	up	noncoding	ENST00000569195	7,140775	7,455464	7,236083	6,338143	7,1013546	5,792389	5,7925115	5,980664	5,5621176	6,1060777
2,3095503	up	noncoding	ENST00000569195	7,140775	7,455464	7,236083	6,338143	7,1013546	5,792389	5,7925115	5,980664	5,5621176	6,1060777
2,0297748	up	noncoding	ENST00000544645	4,080255	4,219225	4,5807323	4,6079187	3,728618	2,3699937	3,020029	3,664554	3,5228238	3,5327501
10,1782384	up	noncoding	ENST00000455557	6,2650223	6,153439	6,3453603	5,505689	6,411173	2,370478	2,8526516	2,7048624	2,770269	3,2453427
5,9150209	up	noncoding	ENST00000460833	8,979378	8,822786	9,043087	9,138503	9,269632	6,5111012	6,762934	6,437806	6,4879465	6,231682
2,1463532	up	noncoding	TCONS_00026297	5,833146	5,3385468	6,2753544	5,1087418	6,0785303	4,7323895	4,5408444	4,365233	4,631951	4,854464
4,8188168	up	noncoding	ENST00000522640	8,086806	7,2724457	7,343796	7,762558	8,330687	5,5838275	5,230988	5,444028	5,562405	5,6316495
2,1886244	up	noncoding	NR_040062	7,2814035	7,8111405	7,355401	6,7013087	6,6460443	6,272617	6,430975	6,016583	5,4064937	6,0185075
6,1434898	up	noncoding	ENST00000455131	11,950314	11,682184	11,953015	11,99291	12,263682	9,471128	9,565229	9,443338	9,180712	9,086406
2,2447608	up	noncoding	TCONS_00023453	6,760733	6,3147798	6,612845	6,518649	6,9746604	5,2883506	5,40659	5,528185	5,475129	5,650604
6,4258558	up	noncoding	NR_024206	12,02193	11,764582	12,045776	11,947117	12,287705	9,520667	9,566149	9,373909	9,199197	8,987745
5,7862561	up	noncoding	NR_033201	7,6060076	7,4791226	7,707909	7,8192306	8,081496	5,1172876	5,2112837	5,121256	5,4192166	5,161571
5,7862561	up	noncoding	NR_033201	7,6060076	7,4791226	7,707909	7,8192306	8,081496	5,1172876	5,2112837	5,121256	5,4192166	5,161571
2,0886485	up	noncoding	ENST00000425212	7,1135287	7,290647	6,9927015	6,2067194	6,9607897	5,902909	5,7564607	5,741974	6,3079953	5,5421987
2,0982949	up	noncoding	ENST00000554149	6,765583	6,7894425	6,9644256	6,7507224	6,774929	5,5500135	5,6079993	5,5595307	6,4603066	5,521165
2,6415101	up	noncoding	ENST00000427292	11,510393	11,319283	11,4508705	11,415619	11,727864	10,258987	10,211992	9,977353	10,023246	9,945637
3,8208039	up	noncoding	ENST00000562082	9,861805	9,69422	9,906236	9,930575	10,217092	8,047576	8,137699	8,169742	7,59056	7,99497
10,6705305	up	noncoding	NR_040033	7,2481074	7,134633	7,291065	6,83695	7,4298687	3,6586943	4,3677344	4,487199	3,5753334	2,773863
2,0068965	up	noncoding	TCONS_00000848	13,05151	13,269599	13,115617	12,992492	12,86451	12,30623	12,416441	12,139286	11,670254	11,736686
2,0104938	up	noncoding	ENST00000421298	8,722293	8,591091	8,716224	8,230743	8,8717375	7,7065268	7,582139	7,321819	7,9202223	7,563632
8,7519288	up	noncoding	TCONS_00029071	14,932311	14,685028	15,0215	14,747099	14,773732	11,841779	11,733785	11,315917	13,017454	10,60273
3,4802192	up	noncoding	uc010pmp.1	9,901678	9,862392	9,930177	9,66359	10,0984745	8,07451	8,181668	8,201026	7,9514337	8,051783
2,323356	up	noncoding	ENST00000416022	7,9894214	7,9297066	7,8870087	7,5775666	7,9723563	6,733737	6,8182445	6,689335	6,2759004	6,7577915
2,1567578	up	noncoding	uc003xut.3	15,156293	15,147402	15,213297	14,918781	14,851114	13,338054	13,56413	13,525069	15,045229	14,270084
79,9469406	up	noncoding	ENST00000562565	12,102311	11,257095	11,892269	11,647451	12,626939	5,585703	5,6689878	5,5741754	5,5577087	5,5346355
79,9469406	up	noncoding	ENST00000562565	12,102311	11,257095	11,892269	11,647451	12,626939	5,585703	5,6689878	5,5741754	5,5577087	5,5346355
79,9469406	up	noncoding	ENST00000562565	12,102311	11,257095	11,892269	11,647451	12,626939	5,585703	5,6689878	5,5741754	5,5577087	5,5346355
79,9469406	up	noncoding	ENST00000562565	12,102311	11,257095	11,892269	11,647451	12,626939	5,585703	5,6689878	5,5741754	5,5577087	5,5346355
2,2886215	up	noncoding	ENST00000526796	5,5986705	5,7278986	5,9061937	5,4873	6,255023	4,6641374	4,074204	4,611486	4,9825497	4,6703143
8,2639818	up	noncoding	ENST00000562742	6,59579	5,8433194	6,450475	6,700702	7,3782973	2,7506135	3,635326	3,6042237	4,4309044	3,3133307
5,3010423	up	noncoding	ENST00000491953	5,281823	4,2571626	5,2200813	5,1268916	5,827321	3,5792646	2,402045	2,5888455	2,5503967	2,5613475
4,2973311	up	noncoding	ENST00000425586	8,890906	8,534532	8,856213	8,950177	9,339438	6,9161873	6,847346	6,905945	6,4219074	6,9626756
4,0193794	up	noncoding	ENST00000583052	5,653923	5,28048	5,542653	5,494323	6,338305	4,191645	3,659234	3,7125926	3,4489393	3,2624092
2,5030821	up	noncoding	ENST00000418813	11,144903	10,629186	11,136093	11,324009	11,611348	9,850381	9,92153	9,997617	9,58662	9,870863
7,374622	up	noncoding	ENST00000416908	5,4298067	4,32941	5,219587	5,813937	6,329731	2,3893564	3,2059052	2,3715568	2,3702428	2,372565
5,7925047	up	noncoding	TCONS_00011731	7,9136124	7,139097	7,8990393	8,358126	8,50422	5,5534153	5,4486036	5,173865	5,525755	5,4415193
2,0390171	up	noncoding	ENST00000444229	8,22467	7,895367	8,269465	7,9891696	8,492282	7,3267956	7,163391	7,021919	6,971244	7,2482347
2,6729946	up	noncoding	uc003hsl.1	8,377199	8,832304	8,488208	7,9042163	8,158067	7,113306	7,090657	6,9061594	6,6104884	6,947099
7,330597	up	noncoding	ENST00000418943	8,1793375	7,1840076	8,214962	8,521855	9,020032	5,0162015	5,403846	5,4134164	5,469371	5,4477057
2,4335358	up	noncoding	ENST00000424617	5,8992014	5,5467176	5,843806	5,853692	6,346395	4,784431	4,4295397	4,6749067	4,4099565	4,775708
2,0533649	up	noncoding	uc002tav.3	6,2437677	5,942621	6,1722445	5,8198314	6,1657786	5,2593822	5,066813	4,8817825	4,6629386	5,2833767
4,9753466	up	noncoding	uc021sbx.1	9,488817	7,852933	9,38464	9,841634	10,29278	6,9364157	7,0383534	7,2492447	6,83508	7,227725

3,4864472	up	noncoding	uc003mue.3	9,715772	9,020258	9,681643	9,57285	10,295917	7,994812	7,746509	7,6169605	8,221492	7,6978784
3,2627418	up	noncoding	ENST00000412149	9,190988	8,961683	9,110691	9,664944	9,194068	7,3010874	7,152944	7,3111815	8,264248	7,562489
6,6781975	up	noncoding	EH041892	5,491057	4,258854	5,1129766	4,3985486	6,3459606	2,3936934	2,402045	2,3715568	2,3702428	2,372565
3,0249408	up	noncoding	ENST00000438048	7,4723535	7,6501503	7,7349195	7,6355715	7,630649	5,984624	6,215988	6,0348973	5,806259	6,097341
2,2745745	up	noncoding	ENST00000568966	7,822029	8,419957	7,9130135	7,2112474	7,3545012	6,464028	6,4821253	6,6520004	6,476777	6,717834
3,8239836	up	noncoding	ENST00000581666	7,627174	6,8942327	7,634419	7,911466	8,282108	5,7742357	5,644253	5,7090883	5,7678914	5,7785497
2,1236512	up	noncoding	ENST00000441167	14,172188	13,910938	14,142394	14,757304	14,365241	13,603326	13,534951	12,965199	13,207507	12,604348
2,1236512	up	noncoding	ENST00000441167	14,172188	13,910938	14,142394	14,757304	14,365241	13,603326	13,534951	12,965199	13,207507	12,604348
2,1236512	up	noncoding	ENST00000441167	14,172188	13,910938	14,142394	14,757304	14,365241	13,603326	13,534951	12,965199	13,207507	12,604348
2,348624	up	noncoding	ENST00000566236	6,972209	6,804177	6,7018833	5,8390594	6,6791286	5,2084618	5,272729	5,479907	5,1087418	5,767539
4,1959688	up	noncoding	ENST00000509010	7,348887	5,8284397	7,3112783	8,533185	8,4361315	5,4824486	5,771221	5,011235	5,6162047	5,2317924
2,0614813	up	noncoding	ENST00000508973	6,1386127	6,072506	6,0629616	5,6449313	6,3333235	4,900144	5,121987	5,153254	4,435934	5,4226093
7,7654398	up	noncoding	ENST00000457157	9,359475	9,070203	9,35041	9,229647	9,732104	6,80992	7,0059156	6,5252776	5,544316	6,0710716
4,2730749	up	noncoding	ENST00000501714	9,658619	9,837903	9,687761	9,364248	9,622461	7,5548673	7,708008	7,6081676	7,2730136	7,5505624
4,2730749	up	noncoding	ENST00000501714	9,658619	9,837903	9,687761	9,364248	9,622461	7,5548673	7,708008	7,6081676	7,2730136	7,5505624
16,924747	up	noncoding	ENST00000426615	10,378818	8,796321	10,384755	10,802976	11,21185	6,284524	6,4635396	6,3900766	5,86763	6,163638
3,208921	up	noncoding	uc001but.3	8,867163	8,306898	8,679776	9,034885	9,064975	7,291562	7,286806	7,091799	6,840121	7,0329676
2,0328333	up	noncoding	uc003qxf.3	10,117995	10,05261	9,697565	9,381311	9,551851	8,7859535	8,72283	8,695614	8,896358	8,583117
4,3683961	up	noncoding	ENST00000514381	5,64372	5,5310516	5,6449313	4,6107597	5,8875256	2,4088752	3,572968	3,735342	3,2612538	3,7040308
4,3683961	up	noncoding	ENST00000514381	5,64372	5,5310516	5,6449313	4,6107597	5,8875256	2,4088752	3,572968	3,735342	3,2612538	3,7040308
21,2372792	up	noncoding	ENST00000556720	7,1483493	7,149949	7,173615	6,6411653	7,4659395	2,373401	3,081057	3,1752012	2,4615617	2,445162
10,5072773	up	noncoding	ENST00000422352	6,0748386	5,92736	6,041904	6,1185637	6,2188497	3,1852546	2,402045	2,3715568	3,0835097	2,372565
2,442912	up	noncoding	ENST00000560709	4,924524	3,9344418	4,723945	5,0308547	5,5308614	4,4133496	3,448327	3,0799189	3,3608997	3,3991222
2,3118166	up	noncoding	ENST00000449800	8,894611	9,148676	8,951168	8,214962	8,712842	7,4743323	7,469256	7,728021	7,4669085	7,7386065
2,4487763	up	noncoding	ENST00000555011	7,147651	7,680958	7,295372	6,3304863	6,5694284	5,896432	5,919267	5,8882337	5,100314	5,759344
3,2347019	up	noncoding	AF052103	6,266581	5,82612	6,2115936	5,996496	6,4755898	4,732282	4,041828	4,54312	4,312596	4,6783905
2,584825	up	noncoding	ENST00000522287	5,589368	5,9304075	5,423328	5,84164	5,4250627	4,8703165	4,854741	4,654469	4,4094796	2,570467
7,2506854	up	noncoding	ENST00000437289	5,854312	5,032597	5,1264815	4,851732	6,5192037	2,3727596	2,402045	2,9571674	2,839004	2,5227633
2,6298868	up	noncoding	ENST00000431294	5,105057	4,0218596	4,6492577	4,9191666	5,9370136	3,9039986	3,9157662	2,6989403	3,300667	3,8379788
2,6881172	up	noncoding	ENST00000412301	9,038074	8,859524	9,064975	8,938795	9,25309	7,6510954	7,6719613	7,711406	7,2520957	7,7349195
2,407909	up	noncoding	ENST00000379050	9,061182	8,452731	9,051279	9,062232	9,320063	7,698723	7,8005767	7,7751436	7,5505624	7,783577
2,062787	up	noncoding	TCONS_00012453	4,8413105	4,3819447	4,9329	5,2241974	5,1296873	3,9555163	4,372214	3,5330615	4,1446633	3,2816105
14,5824643	up	noncoding	NR_033403	8,644816	8,202196	8,498413	8,571427	8,955248	4,6032495	4,803763	4,4403863	4,69263	5,001258
14,5824643	up	noncoding	NR_033403	8,644816	8,202196	8,498413	8,571427	8,955248	4,6032495	4,803763	4,4403863	4,69263	5,001258
2,27928	up	noncoding	TCONS_00001058	4,551236	4,0404043	4,5872574	4,6212506	5,4322963	3,7491233	3,6795473	3,011774	3,6109958	3,2381134
2,6838	up	noncoding	ENST00000581805	4,970775	3,8575816	4,9663353	5,237189	6,4471073	3,1936743	4,0255475	2,8408866	4,01939	4,278104
3,3187291	up	noncoding	TCONS_00022768	8,515725	9,861399	9,079495	7,560342	7,671201	6,8241067	6,699062	6,648765	6,9968634	6,8662105
2,4807421	up	noncoding	ENST00000540093	4,8076587	4,3777156	4,5556993	4,993508	5,174425	2,3732145	4,1265235	3,3583648	3,5619504	3,9350946
2,8608891	up	noncoding	NR_028415	7,5502214	7,866554	7,5145545	6,9717445	6,813684	5,392603	5,8690515	5,445529	6,6326966	5,7945604
2,9097966	up	noncoding	ENST00000452391	7,4684925	7,599872	7,545723	7,437029	7,6027946	6,1388392	6,259473	5,968853	5,3785157	6,2036386
2,2886963	up	noncoding	TCONS_00019479	5,905464	5,3471503	5,6869802	6,165035	6,4280467	4,365836	4,922761	4,443686	5,0715375	4,7562256
2,9122774	up	noncoding	ENST00000431411	6,717834	6,30593	6,7411976	6,560339	7,0892677	5,24292	5,1940427	5,218854	4,9526644	5,0953484
2,5344549	up	noncoding	NR_045484	5,3419027	4,91189	5,4595613	5,111404	5,731008	4,0496316	3,4258544	3,950936	4,162978	4,2579885
2,9986351	up	noncoding	ENST00000428453	5,8145	5,294759	5,6962504	5,543997	6,3022733	4,5199456	4,521291	3,892948	3,8743236	3,9217417
2,361817	up	noncoding	NR_046318	10,1954775	9,938644	10,197197	12,012867	10,398506	9,343099	9,455894	9,272932	9,646789	8,8244915
2,361817	up	noncoding	NR_046318	10,1954775	9,938644	10,197197	12,012867	10,398506	9,343099	9,455894	9,272932	9,646789	8,8244915
2,361817	up	noncoding	NR_046318	10,1954775	9,938644	10,197197	12,012867	10,398506	9,343099	9,455894	9,272932	9,646789	8,8244915
2,361817	up	noncoding	NR_046318	10,1954775	9,938644	10,197197	12,012867	10,398506	9,343099	9,455894	9,272932	9,646789	8,8244915
4,9005915	up	noncoding	uc022cjh.1	10,479972	11,109202	10,481429	9,01386	9,286017	7,6924524	7,689141	7,7991285	7,96928	7,7556987
3,7944527	up	noncoding	ENST00000549807	5,1847706	4,724623	4,9792767	4,7993364	5,395107	2,6500335	2,726232	3,1030564	3,3624692	3,6218636
2,4076259	up	noncoding	ENST00000502881	7,303512	7,188056	7,266397	7,1755686	7,7477236	5,7846003	6,1128235	6,3029413	5,944437	6,198399
24,1494706	up	noncoding	ENST00000457716	8,35112	6,5057783	8,334238	8,742301	9,2743	3,4645362	3,0763972	3,1087766	4,9338627	3,6545663
10,4251642	up	noncoding	ENST00000443670	6,0233145	5,4020658	5,777391	5,164317	6,4284873	2,369175	2,402045	2,3715568	2,3702428	2,372565
2,5150016	up	noncoding	uc003jnc.3	6,807698	6,645649	6,8433967	6,363939	7,015453	5,4322963	5,8145	5,5831175	4,9259386	5,2674866
2,2240364	up	noncoding	TCONS_00020261	7,323489	7,334653	7,2982926	8,341792	7,4830723	6,5425534	6,7983527	6,470792	6,1060777	6,097621
4,8754978	up	noncoding	ENST00000432673	7,234766	6,816378	7,249446	7,1573043	7,6016054	4,705786	4,8354044	5,036244	4,7970486	5,257269
13,710136	up	noncoding	TCONS_00008230	6,4175315	6,181456	6,251865	5,706648	6,3109846	2,4662206	2,402045	2,3715568	2,3702428	2,372565
6,0378124	up	noncoding	ENST00000561560	7,849091	8,09632	7,8963704	7,509087	7,7851534	5,289807	5,340351	5,5958433	4,5705123	5,3693786
4,5334574	up	noncoding	NR_027077	8,943261	7,177832	9,012258	10,192488	9,832784	7,211626	7,207702	6,4774303	6,8092184	6,5495877
7,9365203	up	noncoding	uc002yup.1	9,653181	9,017362	9,612438	9,823592	10,164431	6,8714333	6,448559	6,782054	6,4093914	6,8170333
7,9365203	up	noncoding	uc002yup.1	9,653181	9,017362	9,612438	9,823592	10,164431	6,8714333	6,448559	6,782054	6,4093914	6,8170333
7,9365203	up	noncoding	uc002yup.1	9,653181	9,017362	9,612438	9,823592	10,164431	6,8714333	6,448559	6,782054	6,4093914	6,8170333
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716

4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
4,6361218	up	noncoding	NR_033312	7,7109995	7,067253	7,7100296	7,78974	8,572476	5,3416176	5,5937066	5,4109306	5,611935	5,827716
2,2790335	up	noncoding	ENST00000416527	5,9863567	5,6911616	5,764485	5,952052	5,6439347	3,7744186	4,468965	4,6247864	5,5959396	4,6317697
3,8856118	up	noncoding	ENST00000519805	8,60909	8,314953	8,506854	8,48884	8,895766	6,5410995	6,680876	6,905559	6,2451544	6,6521053
2,1537666	up	noncoding	ENST00000564956	9,207146	9,503737	9,308117	8,831688	8,968872	8,170166	8,20677	8,165352	7,5965753	8,146387
11,3796328	up	noncoding	ENST00000424251	6,121465	5,591673	6,1074233	5,839405	6,83695	2,3729305	3,2042398	2,5647233	2,4405472	2,372565
2,1613225	up	noncoding	ENST00000563569	5,092064	4,4058285	4,941361	5,289807	5,509625	3,7645	3,7321239	3,9813886	4,089447	4,1116543
9,9868564	up	noncoding	ENST00000546170	5,938079	6,0320306	6,2206144	5,84094	6,5342355	2,5255241	2,402045	3,3653073	2,720656	2,952214
2,2840177	up	noncoding	ENST00000441776	3,6546328	4,7085166	4,6195207	5,099067	4,65723	2,3686035	3,3050096	4,009209	3,1720347	3,9262412
3,9195002	up	noncoding	uc002las.2	11,376343	10,375728	10,857199	10,3251095	11,3284	8,615668	8,620546	8,389106	9,817476	8,966635
7,0805697	up	noncoding	NR_038897	7,7508345	6,829484	7,888368	8,170166	8,431185	5,489075	5,4803944	5,1045713	4,441734	4,4349356
2,60505	up	noncoding	ENST00000332123	9,196042	9,071687	9,250291	9,134926	9,526168	7,896766	7,7273374	7,687401	8,265523	7,6955314
3,3709944	up	noncoding	ENST00000523683	8,430877	7,7686577	8,402346	9,177942	9,071276	7,0933495	7,436876	6,6386137	6,7570724	6,159316
2,3774623	up	noncoding	NR_033255	7,48795	7,614225	7,6808095	6,5816393	7,6522665	6,0318756	5,978006	6,2405453	5,969175	6,550176
2,3774623	up	noncoding	NR_033255	7,48795	7,614225	7,6808095	6,5816393	7,6522665	6,0318756	5,978006	6,2405453	5,969175	6,550176
2,2461881	up	noncoding	NR_047675	7,6580677	7,3059506	7,595922	7,7205877	7,7136154	6,4109025	6,605086	6,400978	6,288868	6,4509153
2,2461881	up	noncoding	NR_047675	7,6580677	7,3059506	7,595922	7,7205877	7,7136154	6,4109025	6,605086	6,400978	6,288868	6,4509153
2,2461881	up	noncoding	NR_047675	7,6580677	7,3059506	7,595922	7,7205877	7,7136154	6,4109025	6,605086	6,400978	6,288868	6,4509153
3,2099847	up	noncoding	ENST00000555156	10,59011	9,867766	10,514959	10,259591	10,667112	8,642926	8,541407	8,095487	9,646117	8,560769
11,0807891	up	noncoding	ENST00000523671	9,610671	8,933381	9,551851	9,404896	9,90961	6,0214205	5,712098	5,758301	6,6424365	5,9262094
2,1002016	up	noncoding	ENST00000419223	6,9537773	6,733092	7,0608897	7,083853	7,1969414	5,9483347	5,9704804	5,8564262	6,061268	5,839405
2,0346906	up	noncoding	TCONS_00003843	6,2477803	5,5601687	6,1504984	6,299587	6,487782	5,2289314	4,851197	5,0612426	5,156665	5,3237333
2,4935148	up	noncoding	ENST00000445868	9,3185835	8,538049	9,194304	10,724077	9,835591	8,433359	8,378123	7,953697	8,304003	7,9505186
8,6010381	up	noncoding	ENST00000428508	12,575993	11,324009	12,49483	12,917383	13,197088	9,567502	9,590914	9,494177	9,166044	9,168112
2,1824753	up	noncoding	TCONS_00026344	4,746398	4,964171	4,9514537	5,3245115	5,219402	3,810572	3,4419081	4,070951	4,4657526	3,7869258
8,2465684	up	noncoding	ENST00000550116	9,218914	7,100032	8,917843	10,134031	10,389383	6,1855702	6,1267524	6,046794	6,1911697	5,9909472
4,7820737	up	noncoding	ENST00000447139	8,09734	7,6690135	8,094503	8,013791	8,59706	5,844538	6,054907	5,9471354	5,3140273	6,022918
4,7820737	up	noncoding	ENST00000447139	8,09734	7,6690135	8,094503	8,013791	8,59706	5,844538	6,054907	5,9471354	5,3140273	6,022918
4,7820737	up	noncoding	ENST00000447139	8,09734	7,6690135	8,094503	8,013791	8,59706	5,844538	6,054907	5,9471354	5,3140273	6,022918
4,7820737	up	noncoding	ENST00000447139	8,09734	7,6690135	8,094503	8,013791	8,59706	5,844538	6,054907	5,9471354	5,3140273	6,022918
2,5256691	up	noncoding	ENST00000450112	8,756767	8,990995	8,809718	8,339027	8,766588	7,3698435	7,56231	7,483678	7,137187	7,4267483
2,0723999	up	noncoding	ENST00000567594	6,9988976	7,2333	7,1493573	6,558981	6,979283	5,855776	5,709736	5,963062	6,0914392	6,0432935
2,2174736	up	noncoding	ENST00000382215	8,361313	8,238304	8,451754	7,9833364	8,68417	7,106282	7,3364453	7,3844137	6,7904468	7,356705
2,6525796	up	noncoding	TCONS_00023109	7,6582704	7,224596	7,56396	8,110133	7,9333677	6,293728	6,334169	6,119306	6,638762	6,067382
4,5828946	up	noncoding	TCONS_00010596	10,777064	11,000319	10,646048	9,872048	10,338784	8,342021	8,150823	7,9159064	9,363565	7,880652
6,4709671	up	noncoding	ENST00000339037	7,5214033	6,5312963	7,38953	7,285375	7,9302435	4,769223	4,817953	4,725163	4,287183	4,5884194
4,9201299	up	noncoding	TCONS_00024700	7,4743323	6,910091	7,429234	7,2570825	7,8507757	5,048314	4,7196164	4,800467	5,73838	5,121256
3,192058	up	noncoding	uc001ldx.3	8,189048	8,484275	8,25594	7,713047	7,9666615	6,4629145	6,4330907	6,426616	6,584469	6,329447
2,107554	up	noncoding	ENST00000430391	8,352023	8,270927	8,296947	8,377002	8,613849	7,2974615	7,185766	7,20463	7,558881	7,2861614
8,7558475	up	noncoding	ENST00000439875	7,8497896	6,2727747	7,9240975	8,262091	8,736179	4,287906	4,910496	4,7848144	4,3988743	5,011607
4,1681253	up	noncoding	uc010lhv.1	7,9757557	8,223073	8,029667	7,5863295	7,9888926	5,9794683	6,1980114	5,9891815	5,411022	5,9290414
4,1681253	up	noncoding	uc010lhv.1	7,9757557	8,223073	8,029667	7,5863295	7,9888926	5,9794683	6,1980114	5,9891815	5,411022	5,9290414
3,5211819	up	noncoding	ENST00000412115	7,692791	7,35287	7,7418323	7,7323694	8,138776	6,1551886	6,0875125	5,9014072	5,545998	5,8882337
2,0025775	up	noncoding	ENST00000509194	6,4327765	6,609075	6,3790226	7,6650057	6,2547874	5,911421	6,1896663	5,783754	5,483419	4,9631166
40,0709481	up	noncoding	ENST00000508851	10,626112	9,806732	10,559727	10,839169	11,213615	5,3770075	5,4443192	5,426289	4,8617506	5,313565
2,42005	up	noncoding	ENST00000521819	5,0796824	4,57299	4,7250605	4,243627	5,2602935	4,060473	3,5640259	3,7192562	2,787875	3,374839
5,9247832	up	noncoding	TCONS_00029064	9,185776	8,949586	9,045036	9,020258	9,300571	6,438997	6,412096	6,479814	6,879621	6,4568872
2,5519894	up	noncoding	ENST00000414435	7,233157	7,251406	7,2160535	6,432266	7,447317	5,5297465	5,8761683	5,9864984	5,5721517	5,857523
3,8669432	up	noncoding	ENST00000507434	7,0595765	7,1048346	6,9831057	6,411955	7,1345153	5,0996532	5,0888653	4,9575047	4,703477	5,088519
2,5328533	up	noncoding	ENST00000426597	11,932689	11,440167	11,847763	11,355776	11,633653	10,1856365	10,10586	9,967607	10,928068	10,319059
2,2989217	up	noncoding	TCONS_00024703	5,962502	6,1809483	5,938079	5,0855746	5,767539	4,6014457	4,5452285	4,666123	4,539408	4,577651
2,4977854	up	noncoding	NR_027276	5,5609794	6,102221	5,5032053	2,7940044	4,4942007	3,0183399	4,678808	4,099106	3,1107893	2,94432
6,0083131	up	noncoding	ENST00000413202	11,917506	11,63093	11,937967	11,994251	12,200951	9,465072	9,587543	9,350007	9,223629	9,120554
3,1670211	up	noncoding	ENST00000436557	6,6274533	5,8425713	6,8206935	6,5727415	7,1377034	5,4191008	4,7736683	4,9699965	4,118919	5,403846
2,1505575	up	noncoding	TCONS_00003563	6,65529	6,3944263	6,740958	7,3390865	7,1781583	5,9429617	5,922766	5,409641	6,0100126	5,4989843
2,8375936	up	noncoding	ENST00000437898	9,335221	9,277231	9,301535	9,030202	9,400404	7,908331	7,856374	7,744491	7,3975477	7,9145093
2,7022741	up	noncoding	ENST00000559958	9,889339	9,45128	9,784915	9,881004	10,248009	8,519117	8,406189	8,558576	8,232363	8,367432
5,2251547	up	noncoding	NR_046478	9,908577	9,772499	9,985484	9,820229	10,231705	7,491312	7,500485	7,6309333	7,310344	7,858051
4,3988132	up	noncoding	ENST00000398460	5,7083	4,5054717	5,5941153	5,476962	6,509186	2,3734767	3,5308487	3,4902349	3,9000173	3,8138857
2,1554982	up	noncoding	ENST00000568274	7,770893	7,3503065	7,6854463	7,6827116	8,1295395	6,592679	6,712266	6,7413435	6,4176216	6,61488
2,6013734	up	noncoding	ENST00000520043	6,566231	6,4465876	6,5649014	6,4542418	6,7329383	5,1395617	5,2057033	5,2328587	4,832777	5,457632
3,127151	up	noncoding	ENST00000568690	11,330437	11,427721	11,211228	11,036827	11,1960125	9,648839	9,693913	9,587543	9,552937	9,494749

2,5200737	up	noncoding	uc003lvl.3	7,127218	7,0709844	7,06279	6,557497	7,0561123	5,585464	5,478681	5,771425	5,662766	5,708936
2,5200737	up	noncoding	uc003lvl.3	7,127218	7,0709844	7,06279	6,557497	7,0561123	5,585464	5,478681	5,771425	5,662766	5,708936
2,5200737	up	noncoding	uc003lvl.3	7,127218	7,0709844	7,06279	6,557497	7,0561123	5,585464	5,478681	5,771425	5,662766	5,708936
2,1481075	up	noncoding	uc002fps.1	5,5036345	5,6922393	5,505854	4,4924335	5,7560883	3,9782481	4,578908	4,314701	4,189201	4,3738604
9,5333106	up	noncoding	ENST00000514696	7,3701887	7,258372	7,5268707	7,07398	7,507905	4,2661605	4,1198483	4,0840087	3,973189	4,0292234
2,0016302	up	noncoding	ENST00000450443	6,5152917	6,8922353	6,591982	6,2889695	6,3465123	5,52526	5,5852585	5,4826956	5,6597805	5,376119
2,0016302	up	noncoding	ENST00000450443	6,5152917	6,8922353	6,591982	6,2889695	6,3465123	5,52526	5,5852585	5,4826956	5,6597805	5,376119
2,0016302	up	noncoding	ENST00000450443	6,5152917	6,8922353	6,591982	6,2889695	6,3465123	5,52526	5,5852585	5,4826956	5,6597805	5,376119
6,5494091	up	noncoding	uc001pxz.1	9,501311	9,058618	9,378819	9,666599	9,971743	7,036375	7,034429	6,9067955	6,4074917	6,635175
2,9630074	up	noncoding	NR_038263	8,897708	8,587672	9,100062	8,832794	9,323952	7,4457583	7,3491826	7,0557885	7,8154125	7,240735
2,9630074	up	noncoding	NR_038263	8,897708	8,587672	9,100062	8,832794	9,323952	7,4457583	7,3491826	7,0557885	7,8154125	7,240735
2,9630074	up	noncoding	NR_038263	8,897708	8,587672	9,100062	8,832794	9,323952	7,4457583	7,3491826	7,0557885	7,8154125	7,240735
2,1801741	up	noncoding	ENST00000552466	8,108399	7,3648653	7,9865212	8,91936	8,727606	6,883885	6,412399	6,6805744	8,632334	6,8753424
6,7505183	up	noncoding	NR_015410	6,4186425	6,068602	6,2485204	6,1392746	6,7292347	2,368445	3,8371453	3,5154445	3,9073007	4,2009473
2,177671	up	noncoding	ENST00000500076	6,230221	5,92975	6,0913744	5,7005205	6,3368173	4,6691165	4,917051	5,39803	4,4173627	5,273193
2,177671	up	noncoding	ENST00000500076	6,230221	5,92975	6,0913744	5,7005205	6,3368173	4,6691165	4,917051	5,39803	4,4173627	5,273193
2,177671	up	noncoding	ENST00000500076	6,230221	5,92975	6,0913744	5,7005205	6,3368173	4,6691165	4,917051	5,39803	4,4173627	5,273193
2,177671	up	noncoding	ENST00000500076	6,230221	5,92975	6,0913744	5,7005205	6,3368173	4,6691165	4,917051	5,39803	4,4173627	5,273193
28,0635174	up	noncoding	NR_024160	7,826209	5,7931356	7,723614	8,162009	8,632808	3,1003199	2,8524275	2,7250152	2,7412136	2,6656797
16,4421136	up	noncoding	TCONS_00006337	10,806225	10,6585655	10,837624	10,9323015	11,207965	6,973569	6,812239	7,0519514	6,5824747	6,8258276
64,151679	up	noncoding	ENST00000439186	8,392446	7,582343	8,344387	8,509776	9,072822	2,3682888	2,402045	2,3715568	2,3702428	2,372565
2,8129176	up	noncoding	ENST00000470435	9,693178	9,589576	9,695211	9,537692	9,800436	8,243383	8,352023	8,22263	7,8645496	8,173171
2,0332352	up	noncoding	ENST00000435526	6,443864	6,3138523	6,761141	6,88887	6,638365	5,255844	5,822317	5,618016	5,479777	5,7512527
7,0282105	up	noncoding	TCONS_00014459	11,699934	10,961197	11,622893	11,371288	12,176991	8,866179	8,819749	8,649247	8,516256	8,915085
3,3732963	up	noncoding	ENST00000507171	9,211781	9,114531	9,257911	9,170728	9,4956045	7,6824937	7,639181	7,6516943	6,9738293	7,532562
2,3227003	up	noncoding	uc002znb.3	9,625102	9,959547	9,639271	8,925626	9,207146	8,315622	8,364682	8,348581	7,926261	8,322531
2,3227003	up	noncoding	uc002znb.3	9,625102	9,959547	9,639271	8,925626	9,207146	8,315622	8,364682	8,348581	7,926261	8,322531
2,3227003	up	noncoding	uc002znb.3	9,625102	9,959547	9,639271	8,925626	9,207146	8,315622	8,364682	8,348581	7,926261	8,322531
2,3227003	up	noncoding	uc002znb.3	9,625102	9,959547	9,639271	8,925626	9,207146	8,315622	8,364682	8,348581	7,926261	8,322531
2,3227003	up	noncoding	uc002znb.3	9,625102	9,959547	9,639271	8,925626	9,207146	8,315622	8,364682	8,348581	7,926261	8,322531
2,3227003	up	noncoding	uc002znb.3	9,625102	9,959547	9,639271	8,925626	9,207146	8,315622	8,364682	8,348581	7,926261	8,322531
2,3227003	up	noncoding	uc002znb.3	9,625102	9,959547	9,639271	8,925626	9,207146	8,315622	8,364682	8,348581	7,926261	8,322531
4,5498933	up	noncoding	uc002zks.4	9,811891	9,73471	9,826499	9,755247	9,94905	7,542126	7,663067	7,5876255	7,849091	7,506324
9,5758775	up	noncoding	ENST00000417218	6,1704865	6,0425797	6,219604	5,8285847	6,320263	2,698133	3,0444725	3,1716166	2,5104823	2,85979
5,3750517	up	noncoding	ENST00000531652	8,025894	7,6557093	7,976577	8,497784	8,382242	6,0036283	6,058753	5,7684984	5,050043	5,5258904
5,3750517	up	noncoding	ENST00000531652	8,025894	7,6557093	7,976577	8,497784	8,382242	6,0036283	6,058753	5,7684984	5,050043	5,5258904
5,1839513	up	noncoding	ENST00000575612	7,454145	7,2633457	7,5175724	7,4211526	7,7442346	5,053587	5,4354906	4,8618507	5,0225067	5,1567545
10,5417838	up	noncoding	ENST00000568244	6,410099	6,7987313	6,305092	5,5632534	5,976997	2,369639	2,402045	3,1799676	3,369955	2,7423306
3,0320134	up	noncoding	ENST00000447329	5,496919	5,137131	5,8498697	5,501795	6,0831394	3,8481674	4,617623	4,0408983	4,148685	3,4120998
3,828329	up	noncoding	ENST00000570949	13,959247	13,251509	13,659589	13,422517	14,060427	11,837009	11,597877	11,35207	12,119608	11,763151
2,3007943	up	noncoding	ENST00000447891	8,924289	9,1050825	8,9318495	8,385995	8,889083	7,664572	7,830872	7,8572755	7,220022	7,6528974
2,9765001	up	noncoding	ENST00000451940	7,231857	5,9745073	6,95174	6,75413	7,745044	5,422401	5,39302	4,861002	5,775229	5,3375416
2,6694298	up	noncoding	NR_038125	10,687783	9,639271	10,515819	10,637986	11,296051	9,249627	9,05816	8,943071	9,414236	9,029158
2,6694298	up	noncoding	NR_038125	10,687783	9,639271	10,515819	10,637986	11,296051	9,249627	9,05816	8,943071	9,414236	9,029158
3,9545983	up	noncoding	NR_036466	9,3948145	9,63601	9,449426	8,85254	9,126653	7,4181333	7,3018017	7,392614	7,0782437	7,350995
11,4027096	up	noncoding	NR_033358	8,568957	7,428359	8,38402	8,558873	9,081884	5,065184	4,9545436	4,8156505	4,48258	5,147611
3,4791869	up	noncoding	NR_036682	10,364898	10,0715275	10,282551	11,061128	10,774647	8,953608	9,141037	8,525406	9,033146	7,9078035
3,4791869	up	noncoding	NR_036682	10,364898	10,0715275	10,282551	11,061128	10,774647	8,953608	9,141037	8,525406	9,033146	7,9078035
2,1067364	up	noncoding	ENST00000424191	9,479794	9,125407	9,489611	9,934527	9,938266	8,670321	8,647457	8,35273	8,643743	8,278305
2,1067364	up	noncoding	ENST00000424191	9,479794	9,125407	9,489611	9,934527	9,938266	8,670321	8,647457	8,35273	8,643743	8,278305
2,1067364	up	noncoding	ENST00000424191	9,479794	9,125407	9,489611	9,934527	9,938266	8,670321	8,647457	8,35273	8,643743	8,278305
2,1067364	up	noncoding	ENST00000424191	9,479794	9,125407	9,489611	9,934527	9,938266	8,670321	8,647457	8,35273	8,643743	8,278305
2,3350029	up	noncoding	ENST00000546273	8,615903	8,157628	8,552733	9,605675	9,198923	7,7475777	7,7649603	7,5320334	8,134836	6,834333
2,3350029	up	noncoding	ENST00000546273	8,615903	8,157628	8,552733	9,605675	9,198923	7,7475777	7,7649603	7,5320334	8,134836	6,834333
2,2610944	up	noncoding	AA010334	10,229143	9,748725	10,151361	10,263844	10,503157	8,920641	8,876431	8,801184	9,416517	8,996351
15,1332696	up	noncoding	NR_046470	8,083417	7,1881943	8,081496	8,0807905	8,73753	3,651766	3,9815464	4,265597	3,876917	4,7973423
4,9990185	up	noncoding	uc002bwp.3	8,803564	8,873756	8,790423	8,220951	8,686641	6,3859553	6,8057027	6,4823437	5,964131	6,128978
4,9990185	up	noncoding	uc002bwp.3	8,803564	8,873756	8,790423	8,220951	8,686641	6,3859553	6,8057027	6,4823437	5,964131	6,128978
4,030449	up	noncoding	ENST00000451116	7,7452292	6,7962713	7,543393	7,714478	8,492052	5,657468	5,628533	5,529504	5,9032497	5,517966
4,030449	up	noncoding	ENST00000451116	7,7452292	6,7962713	7,543393	7,714478	8,492052	5,657468	5,628533	5,529504	5,9032497	5,517966
4,446173	up	noncoding	ENST00000442428	9,001229	8,735332	8,842332	8,901494	9,269307	6,988873	6,571542	6,931218	6,5994825	6,895758
4,446173	up	noncoding	ENST00000442428	9,001229	8,735332	8,842332	8,901494	9,269307	6,988873	6,571542	6,931218	6,5994825	6,895758
4,446173	up	noncoding	ENST00000442428	9,001229	8,735332	8,842332	8,901494	9,269307	6,988873	6,571542	6,931218	6,5994825	6,895758
3,1864117	up	noncoding	NR_027051	6,042733	5,8870387	6,0160675	5,297611	6,4693103	3,7693152	4,292381	4,464962	4,2972765	4,5291624
3,1864117	up	noncoding	NR_027051	6,042733	5,8870387	6,0160675	5,297611	6,4693103	3,7693152	4,292381	4,464962	4,2972765	4,5291624
3,1540284	up	noncoding	ENST00000427644	4,3970547	4,1048656	4,5523915	4,755561	5,962164	3,275797	2,8461027	3,1083395	3,2680244	2,987795
3,437501	up	noncoding	ENST00000560208	8,922066	8,3920355	8,779678	8,846493	9,32228	7,1394706	7,1746683	7,163391	6,7302566	7,1479654
5,7581274	up	noncoding	ENST00000433182	6,5578065	6,9783525	6,543744	5,8189874	6,3638353	3,7796288	4,2641573	3,8944468	3,5616553	4,134839
5,7581274	up	noncoding	ENST00000433182	6,5578065	6,9783525	6,543744	5,8189874	6,3638353	3,7796288	4,2641573	3,8944468	3,5616553	4,134839
18,4129916	up	noncoding	ENST00000518993	10,078474	9,51566	10,095679	10,273291	10,587748	6,2848535	6,307889	6,146317	5,2115498	5,586982

3,9867024	up	noncoding	ENST00000569091	11,234349	11,180016	11,238038	11,5373955	11,455347	9,591212	9,716926	9,487456	8,925851	8,947721
2,6336578	up	noncoding	uc011jsq.2	13,353001	14,178592	13,370339	10,9747305	11,484054	11,70922	11,772019	11,39028	10,588546	10,915312
13,0777074	up	noncoding	TCONS_00023486	10,708631	9,64185	10,59325	10,869177	11,23066	6,957391	6,835926	6,7874746	6,801835	7,1157527
2,078993	up	noncoding	TCONS_00018636	7,3514614	6,8445206	7,420033	7,542733	8,000708	6,4253263	6,4747925	6,570933	5,900441	6,5085387
2,1876121	up	noncoding	uc004bxu.3	8,036012	8,454811	8,101105	7,3362913	7,6861467	6,8052993	6,846675	6,7813106	6,679994	6,8543024
3,2298553	up	noncoding	uc002zti.1	9,079179	8,371204	9,022781	9,157904	9,564799	7,383672	7,4504094	7,4934635	7,026155	7,3848195
9,1701462	up	noncoding	ENST00000446492	11,46745	12,166662	11,282796	9,920784	10,437572	7,535096	7,491891	7,20792	9,764734	7,2908993
2,5246352	up	noncoding	TCONS_00029808	5,8498697	6,5918913	5,9246974	4,003282	3,7751667	4,0657268	4,4444427	3,780244	3,819459	3,35466
3,1160373	up	noncoding	ENST00000559768	13,748656	12,965199	13,797663	13,965493	14,200515	12,269497	12,189755	11,954893	12,1540785	11,91074
20,4341125	up	noncoding	ENST00000555860	7,291338	6,9023495	7,256386	7,0099263	7,668548	3,2580035	2,9576077	2,610036	3,1657972	2,372565
3,1280602	up	noncoding	TCONS_00009999	7,767024	7,9797378	7,8612328	7,195176	7,633883	5,959268	6,002576	6,123326	5,8210754	6,3044667
2,6720903	up	noncoding	ENST00000568025	6,513173	7,049179	6,6315393	5,473133	6,22095	4,9041443	4,420047	5,082164	5,3607616	5,0310135
2,6720903	up	noncoding	ENST00000568025	6,513173	7,049179	6,6315393	5,473133	6,22095	4,9041443	4,420047	5,082164	5,3607616	5,0310135
13,2312392	up	noncoding	ENST00000553465	6,4993887	6,316872	6,5682964	6,2657604	7,0373573	2,3713632	2,402045	2,7510257	3,3687475	3,165112
2,4564839	up	noncoding	ENST00000569087	11,896137	12,04934	11,975523	11,80969	11,931243	10,566377	10,655328	10,753393	10,566908	10,636953
2,6041061	up	noncoding	TCONS_00020353	6,5654135	7,0752697	6,6510324	5,862091	6,1424775	5,027903	4,995011	5,2190976	4,817953	5,3323784
2,7000107	up	noncoding	uc002ubv.4	15,525715	15,5642805	15,534658	15,357226	15,495313	14,041531	14,068436	14,142394	14,030003	14,030003
3,2756556	up	noncoding	ENST00000424345	7,314809	7,6737723	7,3850427	7,069473	6,8800054	5,2911487	5,523883	5,569863	6,1914907	5,1877985
2,3211826	up	noncoding	ENST00000568735	4,826604	4,8934536	5,7108903	4,9538746	4,9760766	4,083524	4,0269156	3,8406565	3,193917	4,141586
2,3211826	up	noncoding	ENST00000568735	4,826604	4,8934536	5,7108903	4,9538746	4,9760766	4,083524	4,0269156	3,8406565	3,193917	4,141586
2,9426943	up	noncoding	ENST00000428814	9,377276	9,598202	9,396486	9,292466	9,386926	7,9191318	7,880355	7,73605	7,7828293	7,9473014
4,7110028	up	noncoding	NR_027036	6,578039	6,685108	6,733423	6,3922753	6,7551355	4,7617083	4,4797535	4,6134596	3,8534348	4,2554536
2,8002259	up	noncoding	ENST00000445332	6,4319677	6,455263	6,371664	6,0171695	6,8417025	4,879231	5,09056	5,1272655	4,5029235	5,0900707
6,0698786	up	noncoding	uc003ndl.3	7,6974792	7,324389	7,705529	7,6861467	8,071234	5,3350883	5,1375146	5,1252475	4,895228	4,9833612
2,7913519	up	noncoding	ENST00000367276	6,5097585	6,1479588	6,574902	6,4055314	6,71874	5,0540986	4,7904863	4,851093	5,2585907	4,997802
2,9022957	up	noncoding	uc001elb.4	13,372946	13,617724	13,3580675	13,063411	13,102892	11,951207	12,111945	11,829718	11,447381	11,488817
3,0807649	up	noncoding	TCONS_00027503	5,8306074	6,401805	6,0748386	5,6441317	5,9045153	4,3204656	4,851093	4,069142	4,2056575	4,293097
5,6687487	up	noncoding	uc001vqm.3	6,5790544	6,1940775	6,65444	6,867348	7,180708	4,3530946	4,615051	4,091664	3,6389532	4,2617135
2,0437017	up	noncoding	uc002oyk.1	6,1155643	6,235594	5,8550725	5,4368696	5,6191254	5,0773177	4,90025	4,8617506	4,7477345	4,51925
3,3350021	up	noncoding	chr7:41596600-4160	6,59162	6,56336	6,472123	7,2552404	6,8414736	5,23071	4,8600426	4,4712415	5,2104235	5,262961
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
10,54835	up	noncoding	NR_038439	8,453149	8,868853	8,526401	7,943218	7,997939	4,9889255	5,451501	5,384088	4,1434813	4,826837
2,6016888	up	noncoding	TCONS_00012532	6,5835533	5,7643595	6,2564287	6,209123	7,045115	4,98908	5,038126	5,282676	4,8180757	4,8333797
5,2327222	up	noncoding	uc021tuh.1	8,317083	8,492052	8,275202	7,9326315	8,377462	6,092741	6,0267925	5,643187	5,610695	6,0832067
8,1349481	up	noncoding	ENST00000428914	8,397138	7,998637	8,44694	8,532841	8,882591	5,4388323	5,4695454	5,5264883	5,3654833	5,337132
7,5192467	up	noncoding	ENST00000509265	5,70703	4,8335094	5,933956	4,3153157	6,012557	2,3708835	2,402045	2,3715568	2,5729537	2,5319884
7,6106427	up	noncoding	ENST00000456876	6,3105364	5,513768	6,1937966	6,388852	7,1106825	2,368672	3,6942995	3,4027047	3,4089768	4,002891
3,0445686	up	noncoding	NR_045659	6,338305	6,3785024	6,350718	5,778824	6,542744	4,3529224	4,485199	4,3436856	5,421872	4,7542253
3,0445686	up	noncoding	NR_045659	6,338305	6,3785024	6,350718	5,778824	6,542744	4,3529224	4,485199	4,3436856	5,421872	4,7542253
3,0445686	up	noncoding	NR_045659	6,338305	6,3785024	6,350718	5,778824	6,542744	4,3529224	4,485199	4,3436856	5,421872	4,7542253
3,0445686	up	noncoding	NR_045659	6,338305	6,3785024	6,350718	5,778824	6,542744	4,3529224	4,485199	4,3436856	5,421872	4,7542253
3,0445686	up	noncoding	NR_045659	6,338305	6,3785024	6,350718	5,778824	6,542744	4,3529224	4,485199	4,3436856	5,421872	4,7542253
3,0445686	up	noncoding	NR_045659	6,338305	6,3785024	6,350718	5,778824	6,542744	4,3529224	4,485199	4,3436856	5,421872	4,7542253
3,0445686	up	noncoding	NR_045659	6,338305	6,3785024	6,350718	5,778824	6,542744	4,3529224	4,485199	4,3436856	5,421872	4,7542253

3,0445686	up	noncoding	NR_045659	6,338305	6,3785024	6,350718	5,778824	6,542744	4,3529224	4,485199	4,3436856	5,421872	4,7542253
3,0445686	up	noncoding	NR_045659	6,338305	6,3785024	6,350718	5,778824	6,542744	4,3529224	4,485199	4,3436856	5,421872	4,7542253
3,0445686	up	noncoding	NR_045659	6,338305	6,3785024	6,350718	5,778824	6,542744	4,3529224	4,485199	4,3436856	5,421872	4,7542253
2,3055904	up	noncoding	TCONS_00016163	8,300509	7,677094	8,2572365	8,629292	9,06876	7,3359795	7,386904	7,166412	7,1106825	6,9072323
3,367236	up	noncoding	uc003bzf.3	5,66921	5,5594006	5,6211233	3,717246	5,6341667	3,732695	3,323875	3,7822042	3,3948379	3,2097104
2,7269256	up	noncoding	ENST00000419105	5,420089	5,6447644	5,7627597	3,6675005	5,145814	3,288745	3,3919356	4,179182	3,71615	3,8285382
2,16768	up	noncoding	uc022aqp.1	5,5695934	5,4306808	5,5074706	5,135261	6,478358	4,8006325	4,6094894	3,9300983	4,5714912	4,6288934
2,0191812	up	noncoding	ENST00000434893	9,693913	9,816979	9,664619	9,274921	9,690601	8,705984	8,828636	8,886072	8,042724	8,608765
13,354998	up	noncoding	ENST00000522970	6,801835	5,530055	6,542227	6,6384797	7,4251375	2,419404	3,3789747	3,3199282	2,3847303	2,7381577
4,0457284	up	noncoding	uc003tsz.3	9,433332	9,729368	9,430322	8,864318	9,232143	7,2848005	7,455152	7,4743323	6,8597693	7,5334315
2,8984891	up	noncoding	NR_024454	8,544919	8,782064	8,628438	8,125863	8,657657	6,997337	7,1755686	7,1562138	6,7063923	7,026924
4,8590723	up	noncoding	ENST00000523038	5,3033953	5,0438814	5,3368025	5,121987	5,9140105	2,369021	4,0252004	2,9814215	2,3702428	3,5707865
3,8140401	up	noncoding	TCONS_00001644	10,886955	10,603816	10,963396	10,8919115	11,064494	9,1414995	9,020032	8,723086	8,794974	9,074381
3,8175493	up	noncoding	ENST00000508688	7,4091263	7,748042	7,577953	6,911669	7,238413	5,5803747	5,6060014	5,6302195	5,12106	5,2843137
3,4703051	up	noncoding	NR_002835	9,245188	9,165793	9,344162	9,7430105	9,63176	7,9294863	8,376191	7,762744	6,9158077	7,170372
4,5512249	up	noncoding	ENST00000522859	5,7700715	5,758584	5,4668274	4,2347045	6,0513377	3,2233722	2,9526885	3,6553016	2,953463	3,5654254
3,2513425	up	noncoding	ENST00000458348	7,7690954	6,7453403	7,564791	7,835193	8,77512	6,0120645	5,9835835	5,8709664	6,4179707	5,899777
2,8231267	up	noncoding	ENST00000474477	10,340323	9,914689	10,234333	10,347436	10,444689	8,7308445	8,761602	8,537348	8,948294	8,816912
2,8020808	up	noncoding	ENST00000465933	4,961449	4,1558466	4,4533014	4,214511	6,116896	3,3009963	2,9892414	3,1774104	3,885461	3,116402
4,0204111	up	noncoding	ENST00000448686	6,5687046	6,2242575	6,2076583	8,024337	6,6143327	4,988469	5,2952757	4,1556005	5,4306808	3,732549
4,0204111	up	noncoding	ENST00000448686	6,5687046	6,2242575	6,2076583	8,024337	6,6143327	4,988469	5,2952757	4,1556005	5,4306808	3,732549
4,0204111	up	noncoding	ENST00000448686	6,5687046	6,2242575	6,2076583	8,024337	6,6143327	4,988469	5,2952757	4,1556005	5,4306808	3,732549
4,0204111	up	noncoding	ENST00000448686	6,5687046	6,2242575	6,2076583	8,024337	6,6143327	4,988469	5,2952757	4,1556005	5,4306808	3,732549
8,8965935	up	noncoding	ENST00000565689	8,990639	9,09916	9,020526	8,400631	8,884892	5,6794786	5,982172	5,9106483	5,2644515	5,7928324
2,3129901	up	noncoding	BQ950928	5,414083	5,5120115	5,1640496	5,1010566	5,313449	3,7826505	3,7313986	4,3228674	4,199877	4,4190607
2,7850364	up	noncoding	ENST00000519709	13,6771755	13,265368	13,471972	13,102892	13,672936	12,04028	11,943439	11,763151	12,160425	11,8945675
4,7044141	up	noncoding	ENST00000582435	7,4277105	7,489024	7,3229923	6,43357	7,0686755	4,965526	4,9430866	5,168925	4,7524314	4,741928
4,7044141	up	noncoding	ENST00000582435	7,4277105	7,489024	7,3229923	6,43357	7,0686755	4,965526	4,9430866	5,168925	4,7524314	4,741928
2,0126006	up	noncoding	ENST00000505895	4,770582	4,547976	4,704388	4,785204	4,8918576	3,5175235	4,006337	3,6912773	3,2661457	4,1734195
5,6918688	up	noncoding	uc002xlo.3	12,280658	12,835433	12,135555	10,96276	11,309299	9,237888	9,197314	8,8588	10,792054	8,893137
2,9935592	up	noncoding	NR_045513	9,733059	9,596856	9,768486	9,465274	9,963865	8,088302	8,189193	8,1595335	7,9920096	8,189193
2,9935592	up	noncoding	NR_045513	9,733059	9,596856	9,768486	9,465274	9,963865	8,088302	8,189193	8,1595335	7,9920096	8,189193
2,9935592	up	noncoding	NR_045513	9,733059	9,596856	9,768486	9,465274	9,963865	8,088302	8,189193	8,1595335	7,9920096	8,189193
2,0115059	up	noncoding	ENST00000468527	6,870157	6,9346585	6,8253536	6,481514	7,0794525	5,9463587	5,8267264	5,9055786	5,489343	5,981749
2,1763802	up	noncoding	ENST00000576636	6,3002696	5,859721	5,8704996	6,2460666	6,369132	4,9083776	4,7633076	4,9461956	5,270664	5,147491
4,6374292	up	noncoding	ENST00000474667	7,886615	7,247655	7,721304	7,577309	8,448358	5,6386127	5,3166556	5,43339	5,6178184	5,808138
4,5634094	up	noncoding	ENST00000452842	7,6877003	5,843646	7,780244	8,721615	8,579062	5,68906	5,434047	5,25494	5,7115793	5,5720806
3,0183404	up	noncoding	NR_024618	11,228864	11,616368	11,206278	10,5236435	10,738337	9,463909	9,602891	9,639706	9,183154	9,455053
3,1469171	up	noncoding	ENST00000417983	6,4666896	6,4796405	6,673473	6,110815	6,6124268	4,8474703	4,6987934	4,5831733	5,3851748	4,5587373
2,7339733	up	noncoding	ENST00000421894	7,690128	7,411192	7,6871524	7,5910873	8,0298815	6,072983	6,281756	6,328481	6,146317	6,3249083
2,7339733	up	noncoding	ENST00000421894	7,690128	7,411192	7,6871524	7,5910873	8,0298815	6,072983	6,281756	6,328481	6,146317	6,3249083
2,7339733	up	noncoding	ENST00000421894	7,690128	7,411192	7,6871524	7,5910873	8,0298815	6,072983	6,281756	6,328481	6,146317	6,3249083
32,5709872	up	noncoding	ENST00000529081	10,624633	10,496953	10,617453	10,427602	10,816477	5,2174125	5,8291297	5,8855443	5,1708965	5,7525573
6,0254673	up	noncoding	ENST00000565928	8,045009	7,921258	8,124952	7,7461314	8,345444	5,311083	5,690748	5,754906	4,651187	5,8195047
2,0732571	up	noncoding	NR_003189	8,763305	7,9958215	8,761602	8,656845	9,423691	7,586049	7,463778	7,5372825	8,067984	7,686676
2,0732571	up	noncoding	NR_003189	8,763305	7,9958215	8,761602	8,656845	9,423691	7,586049	7,463778	7,5372825	8,067984	7,686676
2,0732571	up	noncoding	NR_003189	8,763305	7,9958215	8,761602	8,656845	9,423691	7,586049	7,463778	7,5372825	8,067984	7,686676
2,0732571	up	noncoding	NR_003189	8,763305	7,9958215	8,761602	8,656845	9,423691	7,586049	7,463778	7,5372825	8,067984	7,686676
2,0732571	up	noncoding	NR_003189	8,763305	7,9958215	8,761602	8,656845	9,423691	7,586049	7,463778	7,5372825	8,067984	7,686676
2,0732571	up	noncoding	NR_003189	8,763305	7,9958215	8,761602	8,656845	9,423691	7,586049	7,463778	7,5372825	8,067984	7,686676
2,0732571	up	noncoding	NR_003189	8,763305	7,9958215	8,761602	8,656845	9,423691	7,586049	7,463778	7,5372825	8,067984	7,686676
2,0732571	up	noncoding	NR_003189	8,763305	7,9958215	8,761602	8,656845	9,423691	7,586049	7,463778	7,5372825	8,067984	7,686676
2,0732571	up	noncoding	NR_003189	8,763305	7,9958215	8,761602	8,656845	9,423691	7,586049	7,463778	7,5372825	8,067984	7,686676
2,0732571	up	noncoding	NR_003189	8,763305	7,9958215	8,761602	8,656845	9,423691	7,586049	7,463778	7,5372825	8,067984	7,686676
2,0732571	up	noncoding	NR_003189	8,763305	7,9958215	8,761602	8,656845	9,423691	7,586049	7,463778	7,5372825	8,067984	7,686676
2,5305087	up	noncoding	TCONS_00025842	5,252964	5,513266	6,2242575	5,330757	5,4826956	3,6808577	4,719702	3,5649235	4,4768043	4,6645155
4,0941774	up	noncoding	ENST00000430387	6,4908013	6,7488127	6,4925117	5,2388835	5,972826	3,5347497	4,218066	4,383972	4,344258	4,2949214
2,3937385	up	noncoding	ENST00000563777	7,954138	7,9645677	7,936091	7,696564	7,7913136	6,857336	6,6928215	6,638365	6,3785024	6,4793215
2,3937385	up	noncoding	ENST00000563777	7,954138	7,9645677	7,936091	7,696564	7,7913136	6,857336	6,6928215	6,638365	6,3785024	6,4793215
2,8981707	up	noncoding	ENST00000510134	8,223073	8,376191	8,210654	7,5580163	8,148488	6,567015	6,5832253	6,5967464	6,30593	6,7877927
2,6467357	up	noncoding	ENST00000534671	6,019778	4,9142184	5,397035	5,7722316	6,0966353	4,1355147	3,9164224	4,5035086	4,618636	4,004746
5,5007746	up	noncoding	chr5:3618525-36321	12,070879	11,59639	11,926276	11,962068	12,45123	9,635496	9,473449	9,364248	9,51599	9,719486
2,3368772	up	noncoding	ENST00000411431	6,7763305	6,49893	6,8002663	6,8847384	7,068548	5,0622272	5,5083184	5,61218	6,075088	5,64809
2,3368772	up	noncoding	ENST00000411431	6,7763305	6,49893	6,8002663	6,8847384	7,068548	5,0622272	5,5083184	5,61218	6,075088	5,64809
2,9062432	up	noncoding	NR_033203	6,5485168	6,2772684	6,5674443	5,893321	6,7794747	4,4696317	5,0018964	4,697583	5,124612	5,076525
2,9062432	up	noncoding	NR_033203	6,5485168	6,2772684	6,5674443	5,893321	6,7794747	4,4696317	5,0018964	4,697583	5,124612	5,076525
4,6639901	up	noncoding	ENST00000534545	8,261791	7,5965753	8,338264	8,974048	8,746629	6,044373	6,5868926	6,460993	5,771425	5,9458
4,6639901	up	noncoding	ENST00000534545	8,261791	7,5965753	8,338264	8,974048	8,746629	6,044373	6,5868926	6,460993	5,771425	5,9458

2,6206357	up	noncoding	ENST00000508174	11,015641	10,450547	9,988578	9,209115	10,028013	8,715348	8,595481	8,714631	8,968102	8,748748
13,6980744	up	noncoding	ENST00000585303	13,265368	13,889216	13,309173	11,882986	12,666769	9,053606	8,985849	8,657657	10,943253	8,493641
2,3341825	up	noncoding	ENST00000452026	8,013791	8,088678	7,8774285	7,1444736	7,9073143	6,483184	6,6030464	6,610294	6,371664	6,8489103
18,2213785	up	noncoding	ENST00000416057	14,431758	13,7369175	14,331472	13,979153	14,856868	10,183851	10,130315	9,97662	10,174024	9,9335575
6,8888582	up	noncoding	ENST00000421234	5,954509	5,447507	5,639508	5,5707316	6,254034	2,368695	3,1466022	2,7759528	3,352079	3,3016362
2,8272329	up	noncoding	TCONS_00007460	6,09064	6,274154	5,708753	5,4088035	6,4542418	4,5939193	4,36033	4,585238	4,0616746	4,8384767
8,7684848	up	noncoding	ENST00000558443	5,820877	6,1405635	5,9412622	5,1690464	5,776481	2,3699417	2,402045	2,3715568	2,5499258	3,493123
2,6155288	up	noncoding	TCONS_00021224	7,071309	6,5653486	7,1223297	6,98667	7,389274	5,550189	5,4934	5,574859	5,6206284	5,9603415
14,180456	up	noncoding	ENST00000503458	7,0078726	6,3895593	6,9493837	7,175278	7,5303473	2,8750925	2,970449	3,8277516	3,211728	3,0382597
20,5191141	up	noncoding	ENST00000414157	6,986534	6,8267145	7,021371	6,572044	7,401715	2,652491	3,0287325	2,5898645	2,3702428	2,372565
20,5191141	up	noncoding	ENST00000414157	6,986534	6,8267145	7,021371	6,572044	7,401715	2,652491	3,0287325	2,5898645	2,3702428	2,372565
19,694578	up	noncoding	uc.10-	13,309173	11,727238	13,209051	13,631415	14,212311	9,038074	8,755734	8,777641	9,064975	8,954131
2,1767734	up	noncoding	ENST00000583643	9,623308	9,09456	9,599915	9,789434	10,134031	8,529762	8,266588	8,476765	8,855351	8,501826
2,1767734	up	noncoding	ENST00000583643	9,623308	9,09456	9,599915	9,789434	10,134031	8,529762	8,266588	8,476765	8,855351	8,501826
2,1767734	up	noncoding	ENST00000583643	9,623308	9,09456	9,599915	9,789434	10,134031	8,529762	8,266588	8,476765	8,855351	8,501826
10,2281391	up	noncoding	ENST00000529674	5,8918524	5,604891	6,0326777	5,225854	6,0748386	2,3694208	2,402045	2,3715568	2,3702428	2,5444894
34,7535016	up	noncoding	ENST00000447898	9,77069	10,100658	9,794827	9,19495	9,548892	4,3463345	4,983982	4,8015423	4,667095	4,015631
2,5853195	up	noncoding	ENST00000573301	8,842332	8,694517	8,835562	9,209823	9,324838	7,2358613	7,4621563	7,3664627	8,106733	7,8841457
13,735761	up	noncoding	ENST00000560886	6,946705	6,555286	6,6286592	6,501032	7,0547066	2,515584	2,402045	3,741504	3,4609823	2,6669488
2,6830931	up	noncoding	ENST00000559331	4,8361726	4,250507	4,490718	4,5421543	4,821707	2,3723817	4,3025703	2,9828176	2,994077	3,1699266
2,362323	up	noncoding	NR_033890	5,5579824	4,5068936	5,230559	5,0292435	5,943335	3,4808285	4,10604	4,1772585	3,8552802	4,447575
11,1632353	up	noncoding	TCONS_00029069	15,632271	15,398476	15,66815	15,495313	15,5642805	12,094484	12,084656	11,565019	13,409881	11,201034
2,1057576	up	noncoding	ENST00000425742	8,247646	8,224493	8,179939	8,1171255	8,306416	7,1493573	7,327686	7,435369	6,6510324	7,140478
2,9052364	up	noncoding	ENST00000447323	5,3207054	5,500054	5,3644404	5,3182654	5,1392765	3,4714155	3,9338517	3,384645	4,050189	4,1093626
6,6058379	up	noncoding	CA433290	5,5754046	5,2870855	5,674157	4,6933107	5,8206024	2,3724487	2,402045	2,3715568	3,9132369	2,372565
2,4075983	up	noncoding	ENST00000576810	7,3173723	7,553788	7,455464	6,75733	7,311014	6,179552	6,455263	6,2315106	5,2135086	5,9771605
3,5918955	up	noncoding	ENST00000566793	4,635473	3,7156262	4,520985	5,0903726	5,986063	2,3700619	2,402045	2,5419116	3,8469718	3,5638027
4,4536074	up	noncoding	ENST00000420762	6,8203983	6,704829	6,7951684	6,656904	7,0866823	4,9411693	4,8531475	4,92254	4,078496	4,4937572
2,7542981	up	noncoding	ENST00000581636	6,835457	6,9948564	6,8445206	6,4649386	6,562348	5,2778115	5,378942	5,3388033	4,9194593	5,478681
3,4426593	up	noncoding	uc003vhn.1	8,009977	7,577031	8,044361	8,22234	8,667548	6,423137	6,084217	6,3490396	6,251668	6,4955783
2,5464345	up	noncoding	ENST00000422515	13,536992	12,976131	13,405574	12,977094	13,536992	11,9602	11,801235	11,694624	12,290892	11,943439
2,2137349	up	noncoding	ENST00000499481	7,18049	6,718961	6,8841844	7,127651	7,4925523	5,985492	5,735949	5,787676	6,069321	6,0929885
2,5096629	up	noncoding	ENST00000533708	6,8790717	7,319399	6,9148088	5,987496	5,9884048	5,369882	5,4938087	5,4999146	4,63168	5,456427
2,8610058	up	noncoding	ENST00000566942	7,2760396	7,954138	7,3947744	5,747348	5,893251	5,669814	5,5969896	5,6820827	4,5469923	5,1870604
2,851431	up	noncoding	ENST00000578406	5,998093	5,6636524	6,0402355	6,274328	6,438997	4,438679	4,479926	4,498624	5,066813	4,3728333
2,288803	up	noncoding	NR_038237	11,622032	11,792041	11,6813755	11,515218	11,59639	10,417465	10,513805	10,600374	10,325586	10,37686
3,3940732	up	noncoding	TCONS_00006840	5,3530054	5,719801	5,4204273	4,9071755	5,753572	2,5749323	4,309469	3,3701658	3,6819725	4,4023533
5,2752367	up	noncoding	NR_033919	6,071606	5,787245	5,8798	5,385316	6,2980623	3,6868296	3,6254866	3,4475408	3,2675147	3,3984785
2,1177498	up	noncoding	NR_026948	5,2643514	5,260988	5,3085666	4,776887	5,81265	3,7395046	4,2223167	4,102138	4,640355	4,306468
2,5018202	up	noncoding	ENST00000530725	5,411441	5,232212	5,5097017	6,490305	5,364365	4,2827797	3,760934	4,1548715	4,976339	4,21821
2,5018202	up	noncoding	ENST00000530725	5,411441	5,232212	5,5097017	6,490305	5,364365	4,2827797	3,760934	4,1548715	4,976339	4,21821
15,4337331	up	noncoding	ENST00000551881	6,3267965	6,653769	6,411578	5,690129	6,577203	2,3703637	2,402045	2,3715568	2,4028692	2,372565
2,0993473	up	noncoding	uc002bke.2	9,125407	9,211781	9,168747	9,048091	9,051503	7,7911873	7,9013047	7,905171	8,744434	7,9137278
2,4515115	up	noncoding	ENST00000503677	7,2333	6,524763	7,1151743	7,748459	7,9896407	6,1953106	6,2197385	6,129529	5,6869802	5,911421
3,0276915	up	noncoding	uc001iup.3	11,529616	11,247466	11,443941	11,487594	11,757199	9,584534	9,656486	9,555734	10,434198	10,243773
3,0276915	up	noncoding	uc001iup.3	11,529616	11,247466	11,443941	11,487594	11,757199	9,584534	9,656486	9,555734	10,434198	10,243773
2,9449456	up	noncoding	TCONS_00014747	5,385894	4,4905763	5,2205896	5,1814585	5,619241	3,5363727	3,041068	3,7395046	4,2235394	3,5660698
2,0044394	up	noncoding	uc010ocf.2	13,053302	12,356565	12,728716	12,5545435	13,075016	11,6813755	11,61405	11,70922	12,067664	11,679839
3,3074497	up	noncoding	TCONS_00029072	15,657521	15,577936	15,707511	15,176599	15,569661	13,889216	13,833129	13,613542	14,399561	13,325184
3,7863553	up	noncoding	NR_036533	11,405134	11,192296	11,391134	11,511262	11,576811	9,568159	9,606121	9,538483	9,354929	9,404896
4,0708972	up	noncoding	uc002tzb.1	7,9841356	7,4818654	7,836315	7,81045	8,329486	5,7619157	5,9689646	6,0880075	5,7493653	5,747265
2,4841514	up	noncoding	NR_024092	6,22643	6,5195866	6,2123947	4,7126646	6,2448893	4,444017	5,0428667	4,654663	4,619789	4,590864
13,1072792	up	noncoding	BC043009	10,915818	10,373778	10,961197	11,2003975	11,499345	7,078809	7,134633	7,3020964	7,573889	7,2996264
16,4532981	up	noncoding	ENST00000507060	6,5705976	6,0449467	6,650267	6,561736	7,341134	2,3715994	2,402045	2,8950846	2,6854858	2,612942
4,1744236	up	noncoding	ENST00000400178	11,103872	10,502573	11,114431	11,420088	11,676433	9,143157	9,223119	9,203355	8,81378	9,126101
26,1869821	up	noncoding	uc010ahe.1	9,179744	9,355489	9,188016	8,261435	8,773182	4,6107597	5,207019	3,8181076	3,2379978	4,3300924
2,0406738	up	noncoding	ENST00000339094	9,561289	9,153287	9,485939	9,385089	9,77546	8,35973	8,423115	8,566552	8,262529	8,60391
13,245179	up	noncoding	NR_046466	8,843734	7,5852995	8,794809	8,860622	9,441965	4,9039965	4,8484683	5,063205	4,690547	5,3832355
5,5339285	up	noncoding	ENST00000570269	12,827286	12,825387	12,704353	12,619367	12,670682	10,286235	10,350907	10,424668	10,114952	10,128793
43,0289443	up	noncoding	TCONS_00028195	7,8545723	6,9158077	7,849091	7,808496	8,5985155	2,3738952	2,402045	2,3715568	2,3702428	2,372565
3,2180389	up	noncoding	ENST00000562782	10,614544	8,978005	9,65674	9,0531025	10,336557	7,7132716	7,809205	7,964955	8,721971	7,998637
3,2180389	up	noncoding	ENST00000562782	10,614544	8,978005	9,65674	9,0531025	10,336557	7,7132716	7,809205	7,964955	8,721971	7,998637
3,2180389	up	noncoding	ENST00000562782	10,614544	8,978005	9,65674	9,0531025	10,336557	7,7132716	7,809205	7,964955	8,721971	7,998637
2,914522	up	noncoding	uc003ojj.3	14,060427	14,282863	14,0933695	13,925838	13,848368	12,629018	12,638389	12,510074	12,364385	12,352703
6,1914182	up	noncoding	ENST00000452514	8,099382	6,5170774	8,004773	8,326238	8,808518	5,2560687	5,4309	5,4699316	4,882541	5,5651975
3,0493985	up	noncoding	BE083440	11,965129	11,194914	11,811359	11,5606785	12,228814	10,265831	10,058805	9,884427	10,41315	10,096058
2,909748	up	noncoding	TCONS_00013590	4,6225023	5,109209	4,7689986	4,856554	4,2459164	2,3727696	2,777307	3,208105	4,983737	2,5567906
2,4640976	up	noncoding	HMlincRNA99+	4,4090724	4,350597	4,4938602	4,239151	4,5813885	2,3689516	3,2005363	3,2776937	3,3447208	3,3768697
8,3941298	up	noncoding	uc003whs.1	5,5402994	4,754427	5,5228047	5,6274657	6,024021	2,370424	2,402045	2,4697351	2,3702428	2,509667
8,4222807	up	noncoding	uc002kmd.2	9,630845	9,237652	9,556273	9,821746	10,038734	6,778638	7,06491	6,687635	6,2107677	6,1722445

2,2540812	up	noncoding	AK025194	6,9018564	6,6617603	6,626361	6,643305	6,9298725	5,6811457	5,535986	5,6318426	5,445008	5,6064754
8,29162	up	noncoding	ENST00000558441	5,8206024	5,2303095	6,071275	6,1352534	6,5578065	2,386269	3,585795	2,3715568	2,9792416	3,2341144
8,29162	up	noncoding	ENST00000558441	5,8206024	5,2303095	6,071275	6,1352534	6,5578065	2,386269	3,585795	2,3715568	2,9792416	3,2341144
8,29162	up	noncoding	ENST00000558441	5,8206024	5,2303095	6,071275	6,1352534	6,5578065	2,386269	3,585795	2,3715568	2,9792416	3,2341144
4,2320779	up	noncoding	ENST00000430920	4,9575047	4,5406713	4,8780804	4,793381	5,8153596	2,3738585	2,7277582	3,3522253	2,8688486	3,2554755
4,2320779	up	noncoding	ENST00000430920	4,9575047	4,5406713	4,8780804	4,793381	5,8153596	2,3738585	2,7277582	3,3522253	2,8688486	3,2554755
4,2320779	up	noncoding	ENST00000430920	4,9575047	4,5406713	4,8780804	4,793381	5,8153596	2,3738585	2,7277582	3,3522253	2,8688486	3,2554755
4,2320779	up	noncoding	ENST00000430920	4,9575047	4,5406713	4,8780804	4,793381	5,8153596	2,3738585	2,7277582	3,3522253	2,8688486	3,2554755
5,908506	up	noncoding	ENST00000509463	5,5762606	5,544316	5,2867393	4,567197	5,6478586	2,371161	2,8588688	2,6535816	2,4449651	3,4798281
5,908506	up	noncoding	ENST00000509463	5,5762606	5,544316	5,2867393	4,567197	5,6478586	2,371161	2,8588688	2,6535816	2,4449651	3,4798281
5,908506	up	noncoding	ENST00000509463	5,5762606	5,544316	5,2867393	4,567197	5,6478586	2,371161	2,8588688	2,6535816	2,4449651	3,4798281
2,1452537	up	noncoding	ENST00000452741	11,114431	11,007135	11,1282835	10,961672	11,29731	10,038734	10,067919	9,933047	10,104338	9,859052
2,2684917	up	noncoding	uc.294+	5,900131	5,617697	6,2069483	6,0410743	6,3801975	4,793721	4,9688015	5,114389	4,98987	4,3705997
2,4687936	up	noncoding	ENST00000422665	9,06876	7,8907404	9,06876	9,06193	9,791283	7,683488	7,6111226	7,462268	7,987197	7,6183667
2,4687936	up	noncoding	ENST00000422665	9,06876	7,8907404	9,06876	9,06193	9,791283	7,683488	7,6111226	7,462268	7,987197	7,6183667
2,4687936	up	noncoding	ENST00000422665	9,06876	7,8907404	9,06876	9,06193	9,791283	7,683488	7,6111226	7,462268	7,987197	7,6183667
2,3744656	up	noncoding	uc001edd.3	9,560758	9,136975	9,5006485	9,444277	9,828098	8,22706	8,345058	8,41135	7,9042163	8,345058
5,0954659	up	noncoding	ENST00000567491	7,372416	7,733884	7,415144	6,5951037	7,0778446	5,0894685	4,816723	4,670966	4,87484	4,9963245
2,2002342	up	noncoding	ENST00000521596	5,8653307	5,173708	5,865472	5,812797	6,7273297	4,2981157	4,786524	4,823661	5,0223584	4,8256927
2,2002342	up	noncoding	ENST00000521596	5,8653307	5,173708	5,865472	5,812797	6,7273297	4,2981157	4,786524	4,823661	5,0223584	4,8256927
2,2002342	up	noncoding	ENST00000521596	5,8653307	5,173708	5,865472	5,812797	6,7273297	4,2981157	4,786524	4,823661	5,0223584	4,8256927
6,1755787	up	noncoding	ENST00000514771	5,188965	5,1654873	5,261454	4,923494	5,679871	3,56999	2,402045	2,3715568	2,3702428	2,372565
4,6102073	up	noncoding	ENST00000414195	8,327566	8,703678	8,3676605	8,287825	8,245403	6,5794735	6,6451716	6,4333296	5,2618937	5,988106
5,7291512	up	noncoding	ENST00000414227	6,116328	5,573162	5,981285	6,031177	6,507447	4,0163918	3,261968	3,9370651	3,151232	3,251135
5,7291512	up	noncoding	ENST00000414227	6,116328	5,573162	5,981285	6,031177	6,507447	4,0163918	3,261968	3,9370651	3,151232	3,251135
5,7291512	up	noncoding	ENST00000414227	6,116328	5,573162	5,981285	6,031177	6,507447	4,0163918	3,261968	3,9370651	3,151232	3,251135
5,7291512	up	noncoding	ENST00000414227	6,116328	5,573162	5,981285	6,031177	6,507447	4,0163918	3,261968	3,9370651	3,151232	3,251135
5,7291512	up	noncoding	ENST00000414227	6,116328	5,573162	5,981285	6,031177	6,507447	4,0163918	3,261968	3,9370651	3,151232	3,251135
3,0306504	up	noncoding	ENST00000548104	6,111248	6,2546115	6,3387938	5,4147625	5,64749	3,7684984	4,8071165	4,4783516	4,129373	4,585429
9,4801676	up	noncoding	ENST00000509943	9,366919	7,953895	8,816912	8,466272	9,31516	5,625643	5,9503765	5,509143	5,1290383	5,4803944
11,9015136	up	noncoding	ENST00000454723	6,046794	5,6088567	5,9546885	5,8505316	6,7970104	2,3686142	2,402045	2,4015594	2,7541432	2,4661536
4,1790158	up	noncoding	ENST00000441277	9,0673	7,3018017	9,085559	10,096676	9,837532	7,5229383	7,168144	6,5904913	7,1072454	6,6842337
2,2325703	up	noncoding	ENST00000501194	5,293579	6,0373335	5,7904415	4,3945537	5,5579824	4,1548715	4,653031	4,696143	3,7127872	4,0635295
2,2325703	up	noncoding	ENST00000501194	5,293579	6,0373335	5,7904415	4,3945537	5,5579824	4,1548715	4,653031	4,696143	3,7127872	4,0635295
5,2536008	up	noncoding	ENST00000435880	7,1402946	6,6055346	6,972886	7,5116043	6,8686957	4,7945285	3,8905494	4,8727446	4,9561753	4,6184845
2,7929401	up	noncoding	uc003sxy.1	9,295865	8,755438	9,270686	9,615788	9,906236	7,894524	7,997062	8,0307045	7,4956374	8,017162
4,7974738	up	noncoding	TCONS_00028994	5,2864614	4,1003604	4,5090075	4,7137704	6,0539446	2,36831	2,7608073	2,3715568	2,9344115	2,917084
3,5150807	up	noncoding	TCONS_00000864	5,9764156	5,3714952	5,6254735	5,962816	6,388406	4,181373	4,1482177	3,9418442	3,7114499	4,2739325
2,415808	up	noncoding	ENST00000419897	7,111651	6,4777155	7,3848195	7,6492157	7,6693974	5,921348	6,045249	5,8461246	5,773584	6,3439646
2,4259557	up	noncoding	ENST00000432513	5,460122	6,1812944	5,7190485	3,6144161	4,7931285	4,59962	4,287906	3,4318109	3,6414757	3,4144309
6,2159416	up	noncoding	ENST00000435021	10,5236435	8,940054	10,463743	11,154894	11,504778	7,9108477	7,559902	7,7092223	8,414327	7,8129487
6,2159416	up	noncoding	ENST00000435021	10,5236435	8,940054	10,463743	11,154894	11,504778	7,9108477	7,559902	7,7092223	8,414327	7,8129487
5,4193002	up	noncoding	ENST00000517368	7,2213106	8,211996	7,5363955	5,421601	4,654538	4,304715	4,434461	4,474257	3,7518182	3,890057
2,4251357	up	noncoding	ENST00000584036	6,389081	6,268971	6,2922125	6,253686	6,770702	5,2091084	5,1731677	5,3438063	4,613096	5,2451468
2,4251357	up	noncoding	ENST00000584036	6,389081	6,268971	6,2922125	6,253686	6,770702	5,2091084	5,1731677	5,3438063	4,613096	5,2451468
15,2770979	up	noncoding	CF887556	13,363387	12,311982	13,267804	12,839649	13,87574	9,04718	9,031037	8,970824	9,722396	9,220632
2,2411544	up	noncoding	ENST00000458422	7,321392	7,3951926	7,347464	7,3023524	7,18049	6,1640897	6,1044736	6,060783	6,2738366	6,122498
2,4213369	up	noncoding	ENST00000524190	5,224992	4,6831365	5,080077	3,8581614	5,8491883	4,346201	3,5494063	3,9753835	3,0782413	3,367304
2,9743289	up	noncoding	ENST00000417578	12,822847	12,705903	12,757855	12,76582	13,010436	11,061128	11,284045	11,349104	11,411751	11,094012
2,1104679	up	noncoding	TCONS_00010741	5,3244114	5,298325	5,134278	4,6716013	5,424186	3,9702973	4,6470227	3,993262	3,8195353	4,03487
6,15674	up	noncoding	ENST00000509671	9,676121	9,344162	9,72357	9,448788	10,151987	7,0484395	7,0080647	6,816714	7,2738943	7,0866823
3,8466328	up	noncoding	TCONS_00012593	6,643126	6,4099846	6,652864	6,546262	6,996728	4,934291	4,4813104	4,639059	4,604558	4,8717656
2,0900198	up	noncoding	ENST00000446878	8,721971	8,389648	8,5655	8,63872	8,82975	7,497997	7,4085765	7,3120766	8,058062	7,551294
2,9854673	up	noncoding	ENST00000433036	8,68468	8,472744	8,682865	8,607958	8,9727545	7,3518977	7,464484	7,129886	6,646123	6,938827
5,2076969	up	noncoding	uc002lbc.1	7,4265532	8,16104	7,4748435	5,6299944	6,2476106	5,0157266	4,6768823	4,5221133	4,2651706	4,5569215
3,3024837	up	noncoding	NR_033904	7,1915474	6,869505	7,1244645	6,88776	7,470007	4,9812555	5,0911365	5,894316	5,2811007	5,677718
3,576431	up	noncoding	ENST00000509051	10,432401	10,194263	10,703883	10,641902	10,494865	8,861012	8,845653	8,465728	8,386808	8,71551
2,6417025	up	noncoding	TCONS_00001523	9,566713	8,565706	9,33717	9,476658	10,566377	8,053722	7,8980093	7,9132967	8,61692	8,023336
2,7074717	up	noncoding	ENST00000431331	9,112694	9,488817	9,220632	7,978992	9,000966	7,6426034	7,643877	7,6184654	7,089528	7,622896
2,0524273	up	noncoding	ENST00000424769	8,861697	8,564183	8,790911	8,659327	8,962383	7,698905	7,740198	7,7761297	7,580935	7,8556776
2,0536072	up	noncoding	ENST00000544948	5,5017166	4,665146	5,3687177	5,737161	5,83255	4,0759115	4,6193943	3,8982272	4,634117	4,68684
2,6744548	up	noncoding	NR_028514	12,115124	11,52805	12,105034	12,769582	12,615384	11,174089	11,239595	10,655328	11,126304	9,841634
3,9636151	up	noncoding	uc001vdw.3	9,853911	9,388705	9,793713	9,779951	10,241823	7,833534	7,952315	8,021462	7,4446473	7,8720603
3,5956515	up	noncoding	NR_002330	5,539946	5,6884584	5,561252	5,0940747	5,8231316	2,3726866	3,379081	4,0155034	4,5771737	4,131152
3,5956515	up	noncoding	NR_002330	5,539946	5,6884584	5,561252	5,0940747	5,8231316	2,3726866	3,379081	4,0155034	4,5771737	4,131152
118,015395	up	noncoding	uc003jdi.1	9,232943	8,628738	9,129714	9,436313	9,873753	2,3708951	2,402045	2,3715568	2,3702428	2,372565
2,5952113	up	noncoding	TCONS_00008170	10,364449	10,081123	10,331878	9,806151	10,518871	8,773182	8,834824	8,631622	9,230525	8,753059
2,393059	up	noncoding	TCONS_00028171	6,7457776	6,0262184	6,4860287	6,4894753	6,989771	5,1645575	5,3347445	5,524783	5,2598286	5,1590776
2,3611934	up	noncoding	ENST00000453454	10,734048	10,892696	10,774085	10,479091	10,5893545	9,1673975	9,345387	9,3486	9,874221	9,536088
3,471702	up	noncoding	uc002the.2	7,6167965	7,652689	7,704966	7,20792	7,747462	5,445955	6,0998044	5,8884907	5,3674536	6,1499143

3,9961373	up	noncoding	NR_046572	7,6080127	7,631657	6,2058325	5,6090837	5,7141113	3,8815825	4,3616014	4,3096337	5,4947305	4,7281184
2,4586259	up	noncoding	ENST00000414030	6,101124	5,8479905	6,2857804	5,8272343	6,138507	4,889525	4,5679383	4,6621842	4,9370646	4,654663
2,2065405	up	noncoding	uc003tep.1	7,8849354	7,6817675	7,6924524	7,494077	8,096608	6,571542	6,5862503	6,9264007	6,3165393	6,7401767
2,5547137	up	noncoding	TCONS_00001745	12,456222	12,81557	12,519291	12,015659	11,959074	10,982862	10,844879	10,674636	11,639238	10,858393
2,147609	up	noncoding	ENST00000561324	5,714911	5,852268	5,2002077	4,884261	6,119734	4,5611253	4,138667	4,8066945	3,9147747	4,8364635
9,0408402	up	noncoding	ENST00000558061	5,683834	5,534896	5,6171412	5,0890236	6,076595	2,3684642	2,402045	2,3715568	2,5063381	2,4708014
3,4355893	up	noncoding	TCONS_00017186	6,006719	5,9429617	5,811458	6,1314435	6,674524	5,1938653	5,2951517	4,2105274	3,6610336	3,3037403
2,6788305	up	noncoding	ENST00000448636	7,4018703	7,2488127	7,3058276	7,220138	7,620793	5,720477	6,1950364	5,892113	5,8094096	6,072389
2,7261025	up	noncoding	ENST00000434081	11,653714	10,949143	11,521601	11,601141	12,064295	10,176335	10,007046	9,895774	10,423357	10,053183
3,7701041	up	noncoding	ENST00000564613	8,108273	8,413002	8,209036	7,1129847	7,5921135	6,126149	6,3188367	6,340946	5,4454627	5,630993
3,0817623	up	noncoding	ENST00000434375	10,893303	10,361357	10,818792	10,652565	11,437332	9,227197	9,152959	9,061182	9,468307	9,134926
2,5756954	up	noncoding	ENST00000451355	9,795951	10,259591	9,90774	9,071962	9,501923	8,378421	8,39075	8,481641	8,006184	8,455361
2,5756954	up	noncoding	ENST00000451355	9,795951	10,259591	9,90774	9,071962	9,501923	8,378421	8,39075	8,481641	8,006184	8,455361
2,5756954	up	noncoding	ENST00000451355	9,795951	10,259591	9,90774	9,071962	9,501923	8,378421	8,39075	8,481641	8,006184	8,455361
2,5756954	up	noncoding	ENST00000451355	9,795951	10,259591	9,90774	9,071962	9,501923	8,378421	8,39075	8,481641	8,006184	8,455361
3,7885297	up	noncoding	ENST00000404210	7,269737	7,5030694	7,3083653	6,861118	7,510891	5,5557885	5,336382	5,696456	4,8273335	5,4290304
14,6488443	up	noncoding	ENST00000568976	9,951546	10,065304	9,940745	9,425653	9,861085	6,037224	6,2271214	5,7964506	6,377508	5,4424543
3,4847758	up	noncoding	ENST00000525302	9,301872	8,568785	9,29135	9,729988	9,8363695	7,4404197	7,565741	7,430058	8,185687	7,1011295
3,3296146	up	noncoding	uc001gxt.3	10,085444	10,223811	9,967446	9,042291	9,615595	8,000708	8,023233	7,883779	8,500159	7,849932
2,0151308	up	noncoding	ENST00000551357	5,1769447	4,836728	5,290399	4,403889	5,5283647	4,23387	3,2765884	4,1434813	4,05416	4,4738584
2,2174842	up	noncoding	ENST00000435843	8,932661	8,50058	8,845372	9,178318	9,251136	7,960874	8,157785	7,973649	7,350022	7,521118
3,378324	up	noncoding	ENST00000414596	6,873528	6,3190703	6,9012327	7,093873	7,6077895	4,978636	5,161721	5,1244206	5,506145	5,2430325
2,1779971	up	noncoding	uc009viw.2	8,1072645	7,834356	8,0307045	7,6360044	8,169204	6,8910084	6,6175876	6,9869423	6,6311417	7,0358434
2,6472222	up	noncoding	ENST00000448195	9,059372	8,748455	8,996623	9,019228	9,314342	7,580935	7,7030015	7,8096976	7,381452	7,6405373
2,7598744	up	noncoding	ENST00000569782	6,891526	6,746562	6,721933	6,5119567	7,0663943	5,6342306	5,267568	5,406958	4,7853394	5,521263
2,684044	up	noncoding	ENST00000575767	5,802793	5,007599	5,202493	5,515585	6,1754355	3,896285	3,599017	3,8189662	4,7931285	4,4744673
2,4646325	up	noncoding	TCONS_00026454	6,726258	6,4183545	6,7387815	6,048032	7,0584245	5,403846	5,319883	5,0672936	5,312452	5,3795133
7,408501	up	noncoding	ENST00000452412	5,8067684	5,6181803	5,737727	5,581304	6,1878085	2,3707523	2,402045	3,512311	3,162057	3,0387146
4,6634217	up	noncoding	uc010gsj.2	11,0374365	10,280019	11,001771	10,941064	11,595143	8,66045	8,619343	8,538319	9,191957	8,73842
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,0648389	up	noncoding	ENST00000502435	4,67107	3,9872305	4,799704	5,132995	5,416988	3,6023161	3,9790177	3,641149	3,9662755	3,5890832
2,5810695	up	noncoding	uc001ius.1	11,075623	10,782605	11,033849	11,363793	11,420088	9,683483	9,706859	9,785968	10,003063	9,65674
3,42175	up	noncoding	BJ997864	7,9520984	7,586769	7,841853	8,147573	8,171295	6,3679237	6,398246	6,013347	6,299713	5,746687
7,6239143	up	noncoding	HMlincRNA1622+	5,6634016	5,1297665	5,881642	5,3179665	6,4915667	3,3234222	2,402045	2,5590014	2,60183	2,9453852
5,2947398	up	noncoding	ENST00000559277	8,227529	7,976282	8,167202	8,059069	8,64599	5,4561105	5,9435363	6,1384206	5,5340576	5,981148
4,8267604	up	noncoding	ENST00000453478	10,25488	9,979237	10,248457	10,239889	10,619223	8,066013	8,215545	8,056484	7,8481455	7,8002224
3,3017976	up	noncoding	uc003myy.1	8,688675	8,576346	8,803793	8,738768	9,155092	7,2220135	7,329443	7,0264025	7,1549315	6,613625
3,3017976	up	noncoding	uc003myy.1	8,688675	8,576346	8,803793	8,738768	9,155092	7,2220135	7,329443	7,0264025	7,1549315	6,613625
2,3237154	up	noncoding	ENST00000416103	11,541901	11,775831	11,580279	11,92812	11,502386	10,723398	10,898792	10,465925	10,310579	9,847656
20,8852661	up	noncoding	ENST00000505694	8,792512	8,853354	8,803235	8,454811	8,928647	4,6402254	4,2209997	4,6699405	3,8583403	4,520985
16,3826139	up	noncoding	ENST00000475331	6,6333213	5,9942665	6,497305	6,591728	7,17375	2,3698254	2,402045	2,6966808	2,3702428	2,8811085
5,0866689	up	noncoding	ENST00000564843	5,6438594	5,135463	5,435425	5,523749	6,297765	3,6422765	2,9350128	2,9333966	3,911632	2,8803375
2,8869198	up	noncoding	ENST00000509919	6,9931784	7,1853333	7,027504	6,4548793	6,88127	5,6412187	5,6915493	5,5241165	4,8417616	5,1958637
2,021465	up	noncoding	ENST00000534160	7,3310733	7,1971684	7,4466767	7,1551056	7,8322415	6,6413937	6,3303475	6,4662724	5,73274	6,7145057

9,5984352	up	noncoding	uc004bcw.3	5,7293386	5,406958	5,6030254	5,686854	6,0533895	2,3690813	2,6588304	2,3715568	2,3935359	2,372565
38,285178	up	noncoding	ENST00000514468	7,672736	7,0471034	7,6935596	7,6420527	8,152594	2,3980658	2,402045	2,3715568	2,3702428	2,372565
2,5764503	up	noncoding	TCONS_00004838	4,7928596	4,2209997	5,0833626	4,8132586	4,4622965	3,3017848	2,402045	3,9501839	3,5130253	3,3788142
2,1845855	up	noncoding	ENST00000564038	9,664619	9,555432	9,5932	9,656187	9,712681	8,601965	8,688934	8,70556	8,142822	8,40604
3,7508048	up	noncoding	ENST00000552098	13,075016	11,841779	12,983432	12,701041	13,503545	10,770509	10,67661	10,531553	11,815013	10,775127
2,391175	up	noncoding	TCONS_00028202	7,157167	6,7121606	7,1200886	7,147202	7,672736	5,920519	6,123473	5,719715	5,837041	5,9200077
6,1662723	up	noncoding	TCONS_00012238	11,14277	9,786356	11,196504	11,214887	11,931798	8,45037	8,396909	8,195233	8,697953	8,409857
2,4562796	up	noncoding	ENST00000511495	4,743049	5,348755	4,645478	4,858738	4,6408405	2,3691475	4,1187468	3,2824514	3,9412432	4,0428977
2,4562796	up	noncoding	ENST00000511495	4,743049	5,348755	4,645478	4,858738	4,6408405	2,3691475	4,1187468	3,2824514	3,9412432	4,0428977
2,4562796	up	noncoding	ENST00000511495	4,743049	5,348755	4,645478	4,858738	4,6408405	2,3691475	4,1187468	3,2824514	3,9412432	4,0428977
2,4562796	up	noncoding	ENST00000511495	4,743049	5,348755	4,645478	4,858738	4,6408405	2,3691475	4,1187468	3,2824514	3,9412432	4,0428977
4,4244372	up	noncoding	DA850243	7,1939754	6,479814	7,020559	6,667515	7,711501	4,5783463	5,091657	4,8115573	4,7818737	5,0824604
8,4489495	up	noncoding	NR_046472	7,036198	5,981586	7,047625	6,811241	7,559287	3,6651192	4,106191	4,169281	3,0847569	4,016729
2,2972402	up	noncoding	ENST00000420227	4,5339465	4,4380155	4,8985553	5,0063434	5,7939525	3,864375	4,083009	3,8620453	3,1803532	3,681522
2,2972402	up	noncoding	ENST00000420227	4,5339465	4,4380155	4,8985553	5,0063434	5,7939525	3,864375	4,083009	3,8620453	3,1803532	3,681522
2,2972402	up	noncoding	ENST00000420227	4,5339465	4,4380155	4,8985553	5,0063434	5,7939525	3,864375	4,083009	3,8620453	3,1803532	3,681522
2,2972402	up	noncoding	ENST00000420227	4,5339465	4,4380155	4,8985553	5,0063434	5,7939525	3,864375	4,083009	3,8620453	3,1803532	3,681522
3,5748927	up	noncoding	ENST00000458282	6,0329747	4,7177277	5,9118643	5,9505486	6,7381063	4,2625566	3,6414757	4,0679255	4,4938602	3,6959038
3,629342	up	noncoding	ENST00000580927	5,471178	4,794992	4,827601	5,542789	5,8320823	2,432663	3,7780018	3,3598547	3,809965	3,7896178
2,1512909	up	noncoding	ENST00000421704	6,9560204	7,0119023	6,9852104	7,7575936	7,025909	5,984045	6,521139	6,083911	6,279022	5,3425055
2,1876022	up	noncoding	NR_027469	5,4830837	5,650604	5,4304647	5,0455694	5,6030254	4,2369757	4,108994	4,6915045	3,8280795	4,7004414
2,8799673	up	noncoding	uc001upo.3	5,924626	5,853258	5,9588666	5,3347445	6,2505145	4,3457065	4,828212	4,2266808	4,0395117	4,2516365
4,8169822	up	noncoding	TCONS_00025612	4,2583284	3,7931159	4,3601136	4,143286	6,716121	2,3967578	2,402045	2,3715568	2,3873923	2,372565
2,1708834	up	noncoding	HMlincRNA1106-	5,3812094	4,6898575	4,6792955	5,4507394	5,581462	4,253076	3,460871	3,616111	4,6142416	4,246853
5,306138	up	noncoding	uc010gqe.2	15,936663	15,82308	15,968119	15,846689	16,191254	13,604929	13,636346	13,655074	13,311324	13,519821
5,306138	up	noncoding	uc010gqe.2	15,936663	15,82308	15,968119	15,846689	16,191254	13,604929	13,636346	13,655074	13,311324	13,519821
5,306138	up	noncoding	uc010gqe.2	15,936663	15,82308	15,968119	15,846689	16,191254	13,604929	13,636346	13,655074	13,311324	13,519821
3,7337047	up	noncoding	TCONS_00016234	8,577049	7,4714794	8,615521	9,103168	9,506129	6,935341	6,755305	6,68383	6,641998	6,7538333
6,0823197	up	noncoding	NR_037927	9,841634	10,588001	9,765662	6,5152917	6,51157	6,22854	5,916484	5,8924165	6,186447	5,975163
6,0823197	up	noncoding	NR_037927	9,841634	10,588001	9,765662	6,5152917	6,51157	6,22854	5,916484	5,8924165	6,186447	5,975163
6,0823197	up	noncoding	NR_037927	9,841634	10,588001	9,765662	6,5152917	6,51157	6,22854	5,916484	5,8924165	6,186447	5,975163
6,0823197	up	noncoding	NR_037927	9,841634	10,588001	9,765662	6,5152917	6,51157	6,22854	5,916484	5,8924165	6,186447	5,975163
6,0823197	up	noncoding	NR_037927	9,841634	10,588001	9,765662	6,5152917	6,51157	6,22854	5,916484	5,8924165	6,186447	5,975163
2,6974322	up	noncoding	ENST00000453236	8,905586	8,621221	8,751247	8,806512	9,07358	7,3522058	7,4959073	7,42331	7,4937305	7,235059
6,7793441	up	noncoding	ENST00000413528	8,446223	10,4020405	8,556961	5,0003433	5,900903	4,9912853	5,395107	4,933295	4,412113	4,768942
4,7755434	up	noncoding	ENST00000373226	13,891827	13,252945	13,609501	13,42729	13,76959	11,1409645	10,92462	10,840301	12,502898	11,264045
4,7755434	up	noncoding	ENST00000373226	13,891827	13,252945	13,609501	13,42729	13,76959	11,1409645	10,92462	10,840301	12,502898	11,264045
10,4087217	up	noncoding	TCONS_00023687	14,165369	13,843348	13,965493	13,837883	14,159023	10,784269	10,727973	10,16113	10,713152	10,685987
2,1978865	up	noncoding	uc001kdm.1	13,021294	12,466911	12,904037	12,563664	13,064215	11,696123	11,500231	11,343381	12,21267	11,5871315
5,8619181	up	noncoding	TCONS_00011098	14,142394	13,155549	13,871549	14,081072	14,559852	11,473834	11,170219	10,98101	12,063323	11,365166
5,6950952	up	noncoding	NR_026571	5,6977105	5,5927005	5,403275	5,282676	5,917384	2,3731182	3,3608997	2,9569917	2,9777546	3,676382
5,6950952	up	noncoding	NR_026571	5,6977105	5,5927005	5,403275	5,282676	5,917384	2,3731182	3,3608997	2,9569917	2,9777546	3,676382
5,6950952	up	noncoding	NR_026571	5,6977105	5,5927005	5,403275	5,282676	5,917384	2,3731182	3,3608997	2,9569917	2,9777546	3,676382
4,6602577	up	noncoding	ENST00000435485	5,561105	5,246589	5,7770715	6,1976767	5,944437	4,4378967	3,5163326	3,5300353	2,7196126	3,4209533
2,5450934	up	noncoding	NR_002312	10,740284	11,03842	10,753393	9,708704	10,435606	9,29327	9,33488	9,302603	8,698944	9,308117
2,5450934	up	noncoding	NR_002312	10,740284	11,03842	10,753393	9,708704	10,435606	9,29327	9,33488	9,302603	8,698944	9,308117
2,2582985	up	noncoding	NR_038393	6,4253263	6,8289976	6,251668	4,84115	5,4745455	4,752307	5,0465655	5,176765	4,318449	4,65142
9,6388791	up	noncoding	TCONS_00007053	6,4306893	6,2158713	6,446715	5,7512527	6,735568	2,3685977	3,6249392	3,5089016	2,3702428	3,3630881
3,9771823	up	noncoding	TCONS_00011939	5,9626975	6,142354	5,845489	5,256383	6,0113773	3,6673527	4,115054	4,0182295	3,7214484	3,7374828
2,3869955	up	noncoding	ENST00000449158	6,149433	5,649154	6,0700116	5,4956307	6,169016	4,667771	4,019605	4,596113	5,279767	4,69401
4,292515	up	noncoding	ENST00000430271	7,089098	7,380121	6,7213187	5,2416387	5,9799128	4,400201	4,407324	4,836728	3,5122054	4,746515
6,5966588	up	noncoding	ENST00000565145	9,815481	10,289308	9,534791	8,763	9,158308	6,6719475	6,939091	6,9050617	6,766734	6,6693764
2,7567938	up	noncoding	TCONS_00024785	8,819004	8,279854	8,820366	9,102242	9,315637	7,236476	7,095113	7,159029	7,8147473	7,716781
50,1803928	up	noncoding	NR_026709	13,185089	12,273113	13,137651	13,529324	13,854445	7,931573	7,863402	7,5303473	7,1337094	7,275331
50,1803928	up	noncoding	NR_026709	13,185089	12,273113	13,137651	13,529324	13,854445	7,931573	7,863402	7,5303473	7,1337094	7,275331
50,1803928	up	noncoding	NR_026709	13,185089	12,273113	13,137651	13,529324	13,854445	7,931573	7,863402	7,5303473	7,1337094	7,275331
50,1803928	up	noncoding	NR_026709	13,185089	12,273113	13,137651	13,529324	13,854445	7,931573	7,863402	7,5303473	7,1337094	7,275331
50,1803928	up	noncoding	NR_026709	13,185089	12,273113	13,137651	13,529324	13,854445	7,931573	7,863402	7,5303473	7,1337094	7,275331
50,1803928	up	noncoding	NR_026709	13,185089	12,273113	13,137651	13,529324	13,854445	7,931573	7,863402	7,5303473	7,1337094	7,275331
50,1803928	up	noncoding	NR_026709	13,185089	12,273113	13,137651	13,529324	13,854445	7,931573	7,863402	7,5303473	7,1337094	7,275331
50,1803928	up	noncoding	NR_026709	13,185089	12,273113	13,137651	13,529324	13,854445	7,931573	7,863402	7,5303473	7,1337094	7,275331
3,0390682	up	noncoding	ENST00000455309	9,397329	9,625556	9,425175	9,305117	9,2051935	7,887468	7,992796	7,806816	7,89989	7,3532553
3,5785829	up	noncoding	NR_037675	6,1358285	5,067023	6,1704865	5,769213	6,722228	3,3315387	4,5077257	4,2981157	3,9251125	4,6053443
2,2092625	up	noncoding	TCONS_00021431	4,755725	5,593815	5,5851293	5,598881	5,3310432	3,6042237	3,9931073	3,829459	5,3572474	4,362732
6,0404343	up	noncoding	ENST00000433576	7,90545	7,4102993	7,8222528	7,595135	8,161723	4,97648	5,2575426	4,838548	5,5497994	5,2992287
2,2818635	up	noncoding	uc010jns.2	5,940369	6,4704103	5,9147325	5,157042	4,8164377	4,6952543	4,4562984	4,1785283	4,5115356	4,5063124
4,4093932	up	noncoding	ENST00000509649	10,637465	11,015045	10,667112	10,194562	10,4456835	8,838241	9,149392	8,644929	7,7268996	7,8975053
2,365929	up	noncoding	uc001zgr.1	5,8429937	5,7580385	5,8016367	5,7655354	5,7612276	3,6163085	4,2448125	4,779892	5,102211	4,974174
11,0662519	up	noncoding	ENST00000547750	6,883885	6,1558657	6,9277763	7,111295	7,4421086	3,400593	3,6347198	3,4250073	3,315445	3,4046917

2,2124102	up	noncoding	TCONS_00028717	9,109482	8,770809	9,088401	9,064276	9,356884	7,826392	7,829965	7,8466096	8,319708	7,839083
5,6653771	up	noncoding	TCONS_00024430	14,482544	13,748656	14,148518	13,342691	14,215861	11,711403	11,526698	11,269028	12,493646	10,426635
5,1577966	up	noncoding	TCONS_00014763	5,6644864	5,3454657	5,4672894	4,7388325	5,5851293	3,244968	2,7918692	3,4871044	2,874113	2,5693743
2,27572	up	noncoding	ENST00000435915	7,8164983	8,213251	7,848792	7,3202424	7,6179657	6,4129057	6,563079	6,6648016	6,8340387	6,410309
2,9174361	up	noncoding	ENST00000568486	5,2721934	4,7718415	5,2547846	5,358308	6,2800775	3,5366488	3,7923846	4,3385916	3,4781492	4,0679255
3,5192899	up	noncoding	TCONS_00005365	5,958314	6,0188375	5,890913	5,3477917	6,1253757	4,0600133	3,974627	4,015082	4,4211984	3,7938895
2,3135258	up	noncoding	NR_024008	9,56185	9,930575	9,609543	9,089838	9,506847	8,354726	8,5438	8,454945	8,018794	8,275922
3,095272	up	noncoding	uc001pye.1	12,670682	12,745171	12,653409	12,63167	12,730318	11,178952	11,402963	11,160971	10,703086	10,834947
3,7274296	up	noncoding	ENST00000423530	5,572311	5,0290527	5,454329	5,095236	5,857873	3,1464646	3,844427	3,6279464	3,2965655	3,6024926
2,4229061	up	noncoding	ENST00000554526	6,7892203	6,38532	6,6985226	6,5043693	6,9850674	5,2606835	5,0308547	5,410699	6,084873	5,191697
3,5300617	up	noncoding	NR_037877	7,2400703	7,408871	7,2520957	6,5087185	7,3565598	5,451718	5,8280287	5,339962	5,202259	4,8458805
3,374096	up	noncoding	NR_024606	6,3607073	6,096168	6,4929786	6,594509	6,9023495	4,620013	4,8701553	4,89043	4,493064	4,800545
3,374096	up	noncoding	NR_024606	6,3607073	6,096168	6,4929786	6,594509	6,9023495	4,620013	4,8701553	4,89043	4,493064	4,800545
2,3864191	up	noncoding	uc004dgs.4	10,174411	10,104338	10,231277	10,147631	10,329683	8,748748	8,886072	8,95909	9,335613	8,78358
2,3864191	up	noncoding	uc004dgs.4	10,174411	10,104338	10,231277	10,147631	10,329683	8,748748	8,886072	8,95909	9,335613	8,78358
2,3864191	up	noncoding	uc004dgs.4	10,174411	10,104338	10,231277	10,147631	10,329683	8,748748	8,886072	8,95909	9,335613	8,78358
3,9479643	up	noncoding	ENST00000581690	5,071371	4,848034	5,386966	6,892044	5,159217	2,9537024	3,045354	2,9739845	5,4639916	3,0150547
2,0200833	up	noncoding	ENST00000449361	7,3579655	6,640924	7,429574	7,7294884	8,160037	6,5475235	6,255023	6,619923	6,2185893	6,604856
2,2522888	up	noncoding	NR_073096	5,464727	5,8048153	5,4019547	5,147013	5,726097	4,4461412	4,3740377	4,3971796	3,9812348	4,4890547
7,1334553	up	noncoding	ENST00000499322	5,831888	5,5640774	5,9876575	5,409504	6,464587	2,5045125	3,4629347	3,4381764	2,5916939	3,0873911
2,2086239	up	noncoding	ENST00000502675	6,1727595	5,7040043	6,0602145	5,758897	6,3260937	5,024644	4,7842617	5,1014395	4,2959948	5,09989
2,1608051	up	noncoding	ENST00000529938	7,4168215	7,58807	7,3684464	6,6743374	7,11786	6,3652472	6,3657537	6,344259	5,5239735	6,008457
3,8882371	up	noncoding	ENST00000510284	16,830313	16,643633	16,81675	16,643633	16,830313	14,582809	14,662549	14,672847	15,251029	14,799827
10,2977163	up	noncoding	ENST00000583161	8,942219	8,933061	8,887565	9,024205	8,737743	5,2888474	5,438678	5,799574	5,717491	5,45894
2,5280481	up	noncoding	ENST00000438414	11,7595825	11,315917	11,679839	11,819269	12,007107	10,543543	10,672654	10,318478	10,479972	9,876948
2,5975562	up	noncoding	ENST00000551571	7,789553	7,930003	7,7728205	7,463639	7,705529	6,5875373	6,59162	6,4039207	6,110194	6,0824976
2,4685367	up	noncoding	ENST00000563223	5,6869802	5,6495066	5,7400846	5,2047777	5,5217037	3,446294	3,9342709	4,425086	5,2450743	4,234047
2,4685367	up	noncoding	ENST00000563223	5,6869802	5,6495066	5,7400846	5,2047777	5,5217037	3,446294	3,9342709	4,425086	5,2450743	4,234047
8,8977391	up	noncoding	ENST00000449075	6,517407	5,985897	6,4441175	6,3415685	6,8913097	3,3718367	3,4068065	4,3042927	2,3702428	2,959927
4,9276159	up	noncoding	NR_033985	15,057046	14,442053	14,952181	14,689012	15,394223	12,569866	12,413328	12,224806	12,967707	12,854359
5,6339361	up	noncoding	ENST00000454416	6,078208	5,615993	6,306802	6,001457	6,5151567	3,3309283	3,792242	3,9347825	3,1608684	3,8280795
2,3417215	up	noncoding	TCONS_00004422	5,6135254	5,6362414	5,0896974	5,0792966	5,481682	3,4753191	3,6100101	4,5820813	4,4360733	4,6591115
2,0859953	up	noncoding	TCONS_00010144	5,194647	5,170388	5,1938653	4,894334	5,428606	3,872786	4,3417964	4,214679	4,0401545	4,108745
3,0983777	up	noncoding	ENST00000538670	4,5732365	3,950936	4,478128	4,232752	5,443828	2,3691442	3,1420152	2,4564505	3,646988	2,9067175
9,5003489	up	noncoding	ENST00000553421	8,791159	8,381204	8,820637	8,873118	9,135802	5,531586	5,8448834	5,5642185	5,2424006	5,578929
3,4000527	up	noncoding	ENST00000493504	11,2003975	11,436717	11,248527	10,756054	11,106598	9,433146	9,536853	9,503142	9,084103	9,363264
2,6372514	up	noncoding	ENST00000515264	6,4269924	6,4366684	6,2949786	6,1155643	6,706077	4,425564	5,102211	5,310689	4,8280287	5,3186126
2,645384	up	noncoding	ENST00000515199	7,093873	6,336537	6,707096	6,7266455	7,726027	5,2958317	5,555574	5,664926	5,436634	5,619827
11,6527439	up	noncoding	ENST00000427085	12,754359	12,411954	12,766952	13,090338	13,3044405	9,575232	9,802963	9,410085	8,96776	8,8590145
5,5074598	up	noncoding	ENST00000443346	8,936237	8,121394	8,865924	8,595204	9,506515	6,3298545	6,429506	6,0904603	6,4585333	6,4099846
3,3691295	up	noncoding	ENST00000491264	10,5354595	10,321407	10,531942	10,415214	10,789502	8,594089	8,751247	8,822121	9,06259	8,601598
2,387089	up	noncoding	ENST00000563701	5,955931	5,5586553	5,7767587	5,767539	6,1716967	4,399852	4,997214	4,407809	4,58482	4,564624
2,5288983	up	noncoding	NR_073080	14,465568	14,643172	14,564089	14,586718	14,6083	13,282093	13,299268	13,309173	13,121363	13,163405
2,407451	up	noncoding	uc001kyj.3	7,859332	7,4683924	7,932397	7,894524	7,918684	6,622941	6,3176665	6,165288	6,734001	6,8959007
2,0032533	up	noncoding	ENST00000421449	6,279022	5,9905415	6,309288	6,8960943	6,5558686	5,428606	5,52669	5,3491826	5,350171	5,3644404
2,0032533	up	noncoding	ENST00000421449	6,279022	5,9905415	6,309288	6,8960943	6,5558686	5,428606	5,52669	5,3491826	5,350171	5,3644404
2,0032533	up	noncoding	ENST00000421449	6,279022	5,9905415	6,309288	6,8960943	6,5558686	5,428606	5,52669	5,3491826	5,350171	5,3644404
2,854015	up	noncoding	uc001vrq.3	11,83779	11,511262	11,7595825	11,842677	11,995922	10,302861	10,333276	10,314251	10,166678	10,265203
3,1865004	up	noncoding	ENST00000565390	7,856698	7,4689693	7,8629684	7,544486	8,189193	5,8713274	6,174494	6,3165393	5,9857793	6,2143106
6,6382241	up	noncoding	TCONS_00014014	11,334089	8,290622	11,125909	11,574112	12,315971	7,9835987	7,9309506	8,209784	8,813469	8,048914
2,7238146	up	noncoding	TCONS_00026394	5,9668245	5,696915	5,694438	5,451145	6,2437677	4,4982586	4,730464	4,369762	3,8711731	4,35529
69,0737144	up	noncoding	ENST00000399342	8,491119	8,09536	8,521339	8,595687	9,020526	2,3726397	2,402045	2,6341672	2,3922896	2,372565
69,0737144	up	noncoding	ENST00000399342	8,491119	8,09536	8,521339	8,595687	9,020526	2,3726397	2,402045	2,6341672	2,3922896	2,372565
69,0737144	up	noncoding	ENST00000399342	8,491119	8,09536	8,521339	8,595687	9,020526	2,3726397	2,402045	2,6341672	2,3922896	2,372565
69,0737144	up	noncoding	ENST00000399342	8,491119	8,09536	8,521339	8,595687	9,020526	2,3726397	2,402045	2,6341672	2,3922896	2,372565
69,0737144	up	noncoding	ENST00000399342	8,491119	8,09536	8,521339	8,595687	9,020526	2,3726397	2,402045	2,6341672	2,3922896	2,372565
2,9950859	up	noncoding	TCONS_00009017	9,910707	9,224743	10,023246	9,849224	10,37686	8,305281	8,224263	8,238505	8,55115	8,152594
2,5197499	up	noncoding	ENST00000444883	6,430975	6,84306	6,6691103	6,3968816	6,365015	5,191854	5,0526695	5,14545	5,3549657	5,2937
3,0481522	up	noncoding	uc001vdy.3	8,261435	7,9089165	8,253682	8,334706	8,604663	6,630365	6,7821565	6,7021294	6,504248	6,704829
6,0823167	up	noncoding	ENST00000524045	8,257435	7,7970276	8,095115	8,391715	8,590444	5,969423	6,071839	5,938642	5,1061573	5,0225706
2,2861611	up	noncoding	ENST00000429929	9,101928	9,505725	9,200596	8,816141	8,997042	8,254168	8,321209	8,077461	7,353951	7,6500077
8,5434178	up	noncoding	ENST00000556475	5,8033705	5,2517657	5,548846	5,561252	6,2737427	2,3729136	2,402045	2,5656824	2,3702428	3,2540264
44,3952297	up	noncoding	TCONS_00019699	7,793611	7,183174	7,7911873	7,8609843	8,62107	2,3719532	2,402045	2,3715568	2,3702428	2,372565
4,191265	up	noncoding	ENST00000313064	5,5642986	4,541187	5,4790263	5,692728	6,021598	3,5938694	2,402045	4,045409	3,5408034	3,3797824
3,6697208	up	noncoding	HMlincRNA728+	5,1061573	4,745733	4,7268715	5,08692	4,8059416	2,4379215	3,3852754	3,161645	3,735865	2,372565
18,4799714	up	noncoding	NR_027752	7,1761317	6,7977524	7,0903726	6,842026	7,538979	2,3690352	2,9101841	3,284221	2,757894	3,0844743
4,3214105	up	noncoding	ENST00000507770	8,149469	8,050003	8,059069	7,405723	8,006184	5,4304647	5,9263096	5,9783993	5,733674	6,044089
5,3508826	up	noncoding	ENST00000570612	5,948724	4,9693103	5,619466	5,999981	6,212497	3,5884974	3,4435928	3,7198021	2,3702428	3,5289588
2,1043355	up	noncoding	ENST00000438000	7,8819766	7,7704234	7,9406056	8,0228815	8,238304	6,7335916	7,013413	7,0597024	6,8374248	6,8432355
12,3241713	up	noncoding	ENST00000466692	6,4563785	6,3976874	6,4951963	6,12195	6,806066	2,3698115	3,4382925	3,4394505	2,3702428	2,5423872

3,4150378	up	noncoding	ENST00000431994	9,381311	8,213786	9,166871	10,183362	10,154219	7,627057	7,745896	7,4697433	7,890081	7,507264
2,1807467	up	noncoding	ENST00000578030	4,5928283	4,3459716	4,167335	4,490829	5,2101097	2,3931904	3,5907238	3,1823304	3,9702973	4,0464206
5,4333442	up	noncoding	ENST00000512573	9,661821	9,370418	9,670018	9,584244	9,953243	7,1429324	7,464712	7,0244837	6,9550467	7,443367
2,5558361	up	noncoding	ENST00000505930	7,5761833	7,296322	7,550025	7,503249	7,8433905	5,978006	5,969423	5,927806	6,91515	6,2098083
2,8044921	up	noncoding	TCONS_00014352	7,133832	7,087545	7,289936	6,7065444	7,528448	5,616676	6,0024805	5,82787	5,1009398	5,7596416
4,7786815	up	noncoding	NR_038343	5,855235	5,910587	5,835076	4,1709104	6,100711	2,633777	3,5450559	3,862197	2,804143	3,7442834
6,3310372	up	noncoding	ENST00000495287	5,578224	5,3141627	5,490624	4,590341	5,394914	2,968984	2,402045	2,9422195	2,3702428	2,372565
2,1627468	up	noncoding	ENST00000417773	12,92524	12,493646	12,799201	12,107649	12,719212	11,612921	11,420088	11,1662655	11,7496805	11,531669
2,8546878	up	noncoding	ENST00000441399	8,633514	8,850547	8,693901	8,44016	8,509451	7,206128	7,1898556	7,0522494	6,8291397	7,2835355
2,8546878	up	noncoding	ENST00000441399	8,633514	8,850547	8,693901	8,44016	8,509451	7,206128	7,1898556	7,0522494	6,8291397	7,2835355
2,8546878	up	noncoding	ENST00000441399	8,633514	8,850547	8,693901	8,44016	8,509451	7,206128	7,1898556	7,0522494	6,8291397	7,2835355
2,8546878	up	noncoding	ENST00000441399	8,633514	8,850547	8,693901	8,44016	8,509451	7,206128	7,1898556	7,0522494	6,8291397	7,2835355
2,8546878	up	noncoding	ENST00000441399	8,633514	8,850547	8,693901	8,44016	8,509451	7,206128	7,1898556	7,0522494	6,8291397	7,2835355
2,8546878	up	noncoding	ENST00000441399	8,633514	8,850547	8,693901	8,44016	8,509451	7,206128	7,1898556	7,0522494	6,8291397	7,2835355
3,7794822	up	noncoding	uc010kvv.3	10,995735	10,647949	10,85133	11,410991	11,606116	9,40202	9,573286	9,024205	9,369266	8,552401
8,8035677	up	noncoding	ENST00000509788	13,5801525	13,299268	13,576705	13,644547	13,915479	10,622829	10,721217	10,61065	10,10717	10,263844
4,287668	up	noncoding	ENST00000445107	12,638389	12,43738	12,600582	12,50696	12,673337	10,45908	10,416566	10,462355	10,569615	10,448066
4,287668	up	noncoding	ENST00000445107	12,638389	12,43738	12,600582	12,50696	12,673337	10,45908	10,416566	10,462355	10,569615	10,448066
4,287668	up	noncoding	ENST00000445107	12,638389	12,43738	12,600582	12,50696	12,673337	10,45908	10,416566	10,462355	10,569615	10,448066
4,287668	up	noncoding	ENST00000445107	12,638389	12,43738	12,600582	12,50696	12,673337	10,45908	10,416566	10,462355	10,569615	10,448066
4,287668	up	noncoding	ENST00000445107	12,638389	12,43738	12,600582	12,50696	12,673337	10,45908	10,416566	10,462355	10,569615	10,448066
2,1610861	up	noncoding	TCONS_00020644	5,49416	5,098727	5,429961	5,558885	5,4702306	3,5843148	4,2975254	4,6096106	4,809186	4,192544
2,0222969	up	noncoding	ENST00000529069	9,426571	9,171331	9,334078	9,567502	9,556273	8,501114	8,546408	8,343008	8,15514	8,430111
2,1499865	up	noncoding	ENST00000450108	10,358336	9,431159	10,183851	10,799076	10,62246	9,106102	9,039916	8,977188	9,691878	9,05816
30,6957748	up	noncoding	ENST00000434150	9,930575	8,284668	9,891276	10,182738	10,858393	5,402255	5,050043	4,6241164	4,8118663	4,5595284
4,3800957	up	noncoding	NR_026682	15,048435	15,057046	15,028693	12,800445	14,556402	12,356565	12,149458	12,198157	12,336832	12,795197
4,3800957	up	noncoding	NR_026682	15,048435	15,057046	15,028693	12,800445	14,556402	12,356565	12,149458	12,198157	12,336832	12,795197
3,8618257	up	noncoding	ENST00000503499	5,619827	5,651342	5,518336	4,8320966	5,3747225	3,2499406	3,2275572	3,639398	3,2812252	3,8517878
2,4186724	up	noncoding	ENST00000523129	8,595481	8,639019	8,552029	8,634389	8,750603	7,4488864	7,5949802	7,5560703	6,909732	7,2907753
4,4599167	up	noncoding	TCONS_00001315	5,7874703	5,68143	5,9201617	5,808976	5,9006	4,80303	3,055529	3,60613	2,9625201	3,8863451
2,1105196	up	noncoding	ENST00000441575	5,466143	5,392743	5,601508	5,7100782	5,394675	4,3540564	4,400201	4,202526	4,306025	4,9143476
13,0131083	up	noncoding	ENST00000455124	6,1192274	6,532778	6,4698634	5,055668	6,332089	2,4837477	2,402045	2,3715568	2,3702428	2,372565
13,0131083	up	noncoding	ENST00000455124	6,1192274	6,532778	6,4698634	5,055668	6,332089	2,4837477	2,402045	2,3715568	2,3702428	2,372565
12,4617027	up	noncoding	ENST00000433198	9,88911	8,881292	9,803454	10,521147	10,607132	6,3153644	6,5071177	6,2984624	6,233135	6,150909
10,9534966	up	noncoding	uc003snm.1	7,791048	5,960641	7,2672954	6,707542	8,575552	3,838589	3,241213	3,8272796	3,9774084	4,1509905
12,8494086	up	noncoding	ENST00000443092	9,144061	9,339072	8,872552	7,5907097	8,403597	5,0227313	4,7701473	4,5109015	6,3939476	4,2341137
2,5811046	up	noncoding	ENST00000421759	7,33534	7,1630116	7,2871327	6,8439517	7,4142704	5,5435934	5,940675	6,010747	5,631504	6,077244
2,3491748	up	noncoding	ENST00000421310	6,238563	6,274328	6,5298967	6,4944544	6,6700087	5,086699	5,0701103	5,2700825	5,156535	5,4630537
2,011366	up	noncoding	NR_038361	10,428427	10,715389	10,511882	10,446266	10,203004	9,507566	9,648839	9,577035	9,186488	9,344162
3,8828471	up	noncoding	ENST00000569682	9,804853	8,751787	9,706538	10,123379	10,513364	7,814267	7,969921	8,00005	7,4935946	7,836514
2,192239	up	noncoding	uc001vih.1	5,9305625	4,837124	5,797392	6,268971	6,7096844	4,347133	4,431712	4,8689756	5,093901	5,139987
31,4686704	up	noncoding	ENST00000430468	7,448394	7,087982	7,2090745	7,241522	7,778939	2,3702803	2,402045	2,3715568	2,3702428	2,372565
4,9480957	up	noncoding	ENST00000523452	14,247835	13,325184	13,87574	13,585759	14,505196	11,342463	11,130941	11,030523	12,896099	11,605321
3,1018226	up	noncoding	NR_037884	9,321281	9,378819	9,273243	9,380497	9,385089	7,846912	7,8975053	7,9569097	7,268469	7,603552
3,1018226	up	noncoding	NR_037884	9,321281	9,378819	9,273243	9,380497	9,385089	7,846912	7,8975053	7,9569097	7,268469	7,603552
3,1018226	up	noncoding	NR_037884	9,321281	9,378819	9,273243	9,380497	9,385089	7,846912	7,8975053	7,9569097	7,268469	7,603552
3,1018226	up	noncoding	NR_037884	9,321281	9,378819	9,273243	9,380497	9,385089	7,846912	7,8975053	7,9569097	7,268469	7,603552
2,2932073	up	noncoding	ENST00000439494	7,2311835	6,6300397	7,2985935	8,909103	7,896766	6,4308534	6,4280467	6,57683	6,256102	6,2870197
3,7139468	up	noncoding	ENST00000564772	8,6609745	8,784317	8,711319	8,166388	8,88056	6,6288376	6,733092	7,0375648	6,3485293	6,990769
18,2212123	up	noncoding	ENST00000553153	9,06193	9,332661	9,072412	8,415606	8,893137	4,9075384	4,819623	4,5497375	4,6805434	4,8805685
3,2843712	up	noncoding	ENST00000567067	12,449542	12,641701	12,447032	12,11396	12,334759	10,703086	10,850636	10,827496	10,498883	10,528807
6,9180648	up	noncoding	ENST00000572818	7,3433366	7,7004166	7,3874607	6,3538065	6,6542377	4,4931817	4,78318	4,389444	3,9083729	3,9132369
2,566846	up	noncoding	ENST00000526206	9,472787	9,44765	9,443064	9,128722	9,464288	8,157785	8,20822	8,099304	7,6805873	8,010631
4,8906236	up	noncoding	ENST00000451595	8,772346	8,135881	8,454811	8,100581	8,869733	6,4465876	6,1133714	5,5937066	6,2127576	6,5168366
4,8906236	up	noncoding	ENST00000451595	8,772346	8,135881	8,454811	8,100581	8,869733	6,4465876	6,1133714	5,5937066	6,2127576	6,5168366
5,9307947	up	noncoding	ENST00000482245	6,4363194	5,6257453	6,231682	6,426616	7,014368	4,3042927	3,4994807	3,7236419	3,663299	3,7028892
2,0011158	up	noncoding	NR_048556	7,8018966	8,417803	7,8657346	6,7763305	7,2870173	6,2077646	6,7526546	6,780557	6,44691	6,9568725
2,0011158	up	noncoding	NR_048556	7,8018966	8,417803	7,8657346	6,7763305	7,2870173	6,2077646	6,7526546	6,780557	6,44691	6,9568725
22,0253268	up	noncoding	ENST00000414480	9,929441	9,788456	9,902521	9,952069	10,333276	5,3984923	5,49349	5,709736	6,2088494	4,7897377
2,3333629	up	noncoding	ENST00000584683	8,079193	8,596762	8,132963	7,327594	7,6492157	6,954206	7,1321006	6,915574	6,1687126	6,503081
5,5738623	up	noncoding	CF129145	7,1345153	6,693163	6,9298725	6,8070188	7,31915	4,4402018	4,69806	4,6467	4,215399	4,489972
2,5482394	up	noncoding	uc002frx.1	11,386404	10,675669	11,294064	12,930911	11,872695	10,08368	10,299695	10,119078	11,183169	9,726617
8,8108337	up	noncoding	TCONS_00024694	8,472246	7,5629797	8,497106	7,911011	8,864318	5,296378	4,534072	5,1754026	5,1141844	5,491231
9,8232841	up	noncoding	ENST00000429159	7,6667757	6,658377	7,5411744	7,4141483	8,262761	3,162724	4,368884	5,3228283	3,838889	4,368884
6,335216	up	noncoding	ENST00000453322	6,2854586	5,0888653	6,2372613	5,191522	6,0134363	2,5830297	3,1149752	2,850215	3,4898438	3,4615107
3,1067709	up	noncoding	ENST00000562700	5,298325	4,5964174	5,115683	5,2045593	5,817297	3,9077067	2,8442438	3,785693	3,9202678	3,397291
3,2505289	up	noncoding	ENST00000543573	8,866846	8,360614	8,903881	9,026211	9,405584	7,125172	7,2713	7,2794123	7,0112753	7,372604
3,2505289	up	noncoding	ENST00000543573	8,866846	8,360614	8,903881	9,026211	9,405584	7,125172	7,2713	7,2794123	7,0112753	7,372604
2,2345216	up	noncoding	ENST00000434363	8,273221	8,444815	8,301525	9,084462	8,348581	7,539853	7,729013	7,266159	7,103381	7,014368
2,2345216	up	noncoding	ENST00000434363	8,273221	8,444815	8,301525	9,084462	8,348581	7,539853	7,729013	7,266159	7,103381	7,014368

2,2831585	up	noncoding	ENST00000308604	6,7619953	6,834695	6,6842337	6,5168366	6,630483	5,156535	5,1211395	5,2489386	6,6661305	5,280345
3,9194172	up	noncoding	ENST00000449585	5,0039134	4,8709364	5,186756	4,4660487	5,4441767	2,7360835	2,720656	3,2695599	2,9012406	3,4910955
2,4443181	up	noncoding	ENST00000558071	5,970095	6,2236156	5,91124	4,71879	5,2105207	4,176242	4,5754256	4,462614	4,0921416	4,280678
2,025757	up	noncoding	ENST00000513480	7,5539994	7,300741	7,5011063	7,4939494	7,731834	6,5705976	6,739855	6,703299	5,9323177	6,5432553
2,025757	up	noncoding	ENST00000513480	7,5539994	7,300741	7,5011063	7,4939494	7,731834	6,5705976	6,739855	6,703299	5,9323177	6,5432553
2,8547329	up	noncoding	ENST00000503167	6,080571	6,022918	6,1446285	4,86934	6,068804	4,388493	4,2246623	4,308137	4,2488647	4,4493256
4,1875862	up	noncoding	ENST00000452103	7,943218	7,2176833	7,5629797	8,100136	8,583793	5,5513983	5,9647202	5,810679	6,054702	5,695716
8,5885096	up	noncoding	ENST00000539163	11,139595	11,889566	11,306035	9,781179	10,248933	7,726027	7,80581	7,184465	9,005311	7,131656
3,384028	up	noncoding	ENST00000430316	11,705578	10,685987	11,3153515	10,154219	11,534832	9,214275	9,114888	9,07701	9,888727	9,30736
2,5750286	up	noncoding	uc003tcy.3	6,625374	6,7424374	6,696184	6,4130607	6,6694975	5,3218184	5,715032	5,601049	4,7198405	4,9658713
3,3579474	up	noncoding	ENST00000433116	5,8890576	5,088519	5,7243633	8,68714	6,8082924	5,2259855	4,5029235	3,5777462	5,905302	4,247517
4,1990276	up	noncoding	TCONS_00028072	9,357064	8,126353	8,909664	8,1343565	9,596329	6,0436835	6,094993	6,0378146	8,882591	6,714408
2,0648489	up	noncoding	ENST00000394742	4,851626	4,3189535	4,7336464	4,832308	4,868832	4,1772585	3,463509	3,0835955	4,295287	3,3555348
3,014759	up	noncoding	uc003uxs.3	8,196903	6,521139	7,965254	8,301803	8,966969	6,2293043	6,01437	6,5170774	6,625712	6,605391
3,014759	up	noncoding	uc003uxs.3	8,196903	6,521139	7,965254	8,301803	8,966969	6,2293043	6,01437	6,5170774	6,625712	6,605391
8,899936	up	noncoding	ENST00000420058	7,416292	6,5824747	7,12351	7,604596	7,833969	4,2428274	4,4120407	4,604262	4,2178946	3,3148422
8,899936	up	noncoding	ENST00000420058	7,416292	6,5824747	7,12351	7,604596	7,833969	4,2428274	4,4120407	4,604262	4,2178946	3,3148422
2,0898479	up	noncoding	ENST00000437631	6,2380943	5,981418	6,5000987	6,19464	6,0115266	5,2055006	5,1071463	4,812343	5,159895	5,323903
9,6791966	up	noncoding	NR_003245	6,1940775	6,1300364	6,1424775	6,5410995	6,552549	3,6682918	2,402045	2,898489	2,8325696	3,384408
9,4264081	up	noncoding	NR_046273	8,170166	8,089348	8,25037	8,075017	8,373899	5,3324738	5,57756	5,1294994	3,6537955	5,0819306
9,4264081	up	noncoding	NR_046273	8,170166	8,089348	8,25037	8,075017	8,373899	5,3324738	5,57756	5,1294994	3,6537955	5,0819306
3,4826495	up	noncoding	ENST00000489074	6,433962	6,004508	6,2984624	5,8145	6,6685314	4,526046	3,621688	4,1059	5,2004604	4,764943
2,371358	up	noncoding	uc003jyr.1	8,834824	8,828636	8,959915	8,885193	9,103168	7,5566325	7,5475945	7,7153397	7,7931786	7,7704234
2,2958724	up	noncoding	uc001elt.1	5,017322	4,573903	4,91851	5,6092443	5,855618	4,2241774	3,7860224	4,124347	4,369762	3,4750762
3,194446	up	noncoding	ENST00000534065	7,3071256	6,839098	7,208794	7,2927375	7,8679495	5,8274565	5,7921095	5,3438773	5,956701	5,2177315
2,1431477	up	noncoding	ENST00000567210	5,189843	5,250528	5,0708704	5,615076	5,3903637	5,0070953	4,9777584	3,4287057	3,4915643	4,112901
2,1666225	up	noncoding	uc004ewr.1	8,634796	8,461261	8,678647	8,583793	8,969098	7,564791	7,657007	7,7768493	7,269737	7,4819717
2,1666225	up	noncoding	uc004ewr.1	8,634796	8,461261	8,678647	8,583793	8,969098	7,564791	7,657007	7,7768493	7,269737	7,4819717
2,1666225	up	noncoding	uc004ewr.1	8,634796	8,461261	8,678647	8,583793	8,969098	7,564791	7,657007	7,7768493	7,269737	7,4819717
2,1666225	up	noncoding	uc004ewr.1	8,634796	8,461261	8,678647	8,583793	8,969098	7,564791	7,657007	7,7768493	7,269737	7,4819717
2,1666225	up	noncoding	uc004ewr.1	8,634796	8,461261	8,678647	8,583793	8,969098	7,564791	7,657007	7,7768493	7,269737	7,4819717
2,1666225	up	noncoding	uc004ewr.1	8,634796	8,461261	8,678647	8,583793	8,969098	7,564791	7,657007	7,7768493	7,269737	7,4819717
3,9531753	up	noncoding	ENST00000559509	7,498646	7,4548693	7,5376678	7,4761496	7,849589	5,4031296	5,6937957	5,802704	5,5668077	5,435425
3,9531753	up	noncoding	ENST00000559509	7,498646	7,4548693	7,5376678	7,4761496	7,849589	5,4031296	5,6937957	5,802704	5,5668077	5,435425
3,9531753	up	noncoding	ENST00000559509	7,498646	7,4548693	7,5376678	7,4761496	7,849589	5,4031296	5,6937957	5,802704	5,5668077	5,435425
3,9531753	up	noncoding	ENST00000559509	7,498646	7,4548693	7,5376678	7,4761496	7,849589	5,4031296	5,6937957	5,802704	5,5668077	5,435425
3,9531753	up	noncoding	ENST00000559509	7,498646	7,4548693	7,5376678	7,4761496	7,849589	5,4031296	5,6937957	5,802704	5,5668077	5,435425
3,9531753	up	noncoding	ENST00000559509	7,498646	7,4548693	7,5376678	7,4761496	7,849589	5,4031296	5,6937957	5,802704	5,5668077	5,435425
2,8801974	up	noncoding	NR_028444	7,16774	6,7151475	7,126925	6,3267965	7,491045	5,6704025	5,200956	5,4960976	5,012721	5,8166385
3,1726907	up	noncoding	uc010jpp.1	6,06454	5,558538	5,8471084	5,809524	6,0158134	4,102138	3,586926	4,0939355	4,352376	4,831614
2,0761549	up	noncoding	NR_024543	11,714769	11,8945675	11,704297	11,587781	11,639238	10,532843	10,693476	10,752082	10,699431	10,59325
3,0429343	up	noncoding	uc010tfr.2	10,993601	10,864186	10,956975	10,873191	11,183169	9,428928	9,480588	9,324838	8,844326	9,765126
9,8027245	up	noncoding	uc001flf.3	8,103017	7,135282	8,088302	8,304956	8,693605	5,0768933	4,8359275	4,9021873	4,388217	4,656023
9,8027245	up	noncoding	uc001flf.3	8,103017	7,135282	8,088302	8,304956	8,693605	5,0768933	4,8359275	4,9021873	4,388217	4,656023
4,3191178	up	noncoding	ENST00000415536	5,4762464	4,8848224	5,5707316	5,3507323	5,6896524	3,4085782	2,402045	2,3715568	5,8637567	2,372565
42,9747124	up	noncoding	ENST00000466225	8,550862	7,7720466	8,055094	8,354193	8,953336	2,370882	2,402045	3,0428777	3,2510822	3,4915643
4,1590766	up	noncoding	ENST00000511331	7,5265493	7,58479	7,4488864	7,026155	7,676545	5,3461466	5,538668	5,6241612	5,1760526	5,296581
2,3416727	up	noncoding	ENST00000457084	7,3027043	7,499603	7,263702	6,6278844	6,815466	5,7267275	5,940865	5,9377003	5,8709664	5,8954034
2,8614039	up	noncoding	ENST00000455909	8,385087	7,962429	8,249603	8,081779	8,656845	6,7655296	6,6440372	6,863866	6,4759703	7,002724
3,6550159	up	noncoding	NR_015447	7,6564164	7,35047	7,834356	7,587734	8,134836	6,0696497	5,917277	5,8102026	5,365957	6,0513377
4,490341	up	noncoding	NR_024048	13,994712	12,83643	13,790721	14,221655	14,679954	11,764582	11,63492	11,520886	12,080476	11,688483
4,490341	up	noncoding	NR_024048	13,994712	12,83643	13,790721	14,221655	14,679954	11,764582	11,63492	11,520886	12,080476	11,688483
4,490341	up	noncoding	NR_024048	13,994712	12,83643	13,790721	14,221655	14,679954	11,764582	11,63492	11,520886	12,080476	11,688483
4,490341	up	noncoding	NR_024048	13,994712	12,83643	13,790721	14,221655	14,679954	11,764582	11,63492	11,520886	12,080476	11,688483
4,490341	up	noncoding	NR_024048	13,994712	12,83643	13,790721	14,221655	14,679954	11,764582	11,63492	11,520886	12,080476	11,688483
4,490341	up	noncoding	NR_024048	13,994712	12,83643	13,790721	14,221655	14,679954	11,764582	11,63492	11,520886	12,080476	11,688483
4,490341	up	noncoding	NR_024048	13,994712	12,83643	13,790721	14,221655	14,679954	11,764582	11,63492	11,520886	12,080476	11,688483
2,9464092	up	noncoding	ENST00000422740	10,194263	9,576214	10,1055765	10,41315	10,748838	8,52111	8,612041	8,63872	8,937445	8,5339365
3,1505754	up	noncoding	ENST00000560743	4,671259	4,424443	4,63369	4,9200354	4,692032	2,3700585	2,961894	3,0150547	4,1677375	2,548638
4,1420907	up	noncoding	uc003jox.1	8,434395	8,250857	8,368186	8,341359	8,810907	6,402816	6,4704103	6,497863	6,1578236	6,4249954
2,0701139	up	noncoding	TCONS_00029706	7,080897	6,592679	6,7683697	7,4965286	7,4351773	5,9441795	5,660299	5,7210903	6,7464814	6,0530505
6,3085312	up	noncoding	ENST00000414198	5,2764683	4,9248953	5,390466	5,247864	5,82787	2,3913362	2,402045	2,6325312	2,6239142	3,3312163
4,2635105	up	noncoding	ENST00000522575	5,787409	6,0473185	6,065443	5,876336	5,9454727	3,7758818	3,0684936	3,789341	4,75975	3,8683038
2,2273261	up	noncoding	uc021ygc.1	6,769361	6,6510324	6,5839686	6,492564	7,0266743	5,268259	5,405073	5,7676497	5,460925	5,8451295
2,2273261	up	noncoding	uc021ygc.1	6,769361	6,6510324	6,5839686	6,492564	7,0266743	5,268259	5,405073	5,7676497	5,460925	5,8451295
2,2273261	up	noncoding	uc021ygc.1	6,769361	6,6510324	6,5839686	6,492564	7,0266743	5,268259	5,405073	5,7676497	5,460925	5,8451295
3,0135791	up	noncoding	uc001gwt.1	6,630365	6,2263174	6,4290466	6,2293043	6,709127	4,997614	4,884568	4,9894257	4,706673	4,68849
2,1410391	up	noncoding	ENST00000568593	7,4925523	7,2683206	7,3698435	7,2122426	7,5651712	6,4076486	6,562201	6,4370403	5,9879813	6,0217032
3,5196424	up	noncoding	uc001utw.3	4,985107	5,321662	5,2489386	4,764565	4,776787	2,4505444	3,9018059	2,688318	3,6031823	3,3760648

2,1160638	up	noncoding	chr11:8171725-8184	7,119614	7,0896683	7,169383	7,247243	7,2122426	5,6147833	5,657683	5,592039	7,57005	5,99668
2,0476512	up	noncoding	ENST00000415236	6,781103	6,6298523	6,8213825	7,445226	7,2726316	6,0972185	6,069321	6,1919465	5,8354545	5,586405
2,0476512	up	noncoding	ENST00000415236	6,781103	6,6298523	6,8213825	7,445226	7,2726316	6,0972185	6,069321	6,1919465	5,8354545	5,586405
2,0476512	up	noncoding	ENST00000415236	6,781103	6,6298523	6,8213825	7,445226	7,2726316	6,0972185	6,069321	6,1919465	5,8354545	5,586405
3,3189826	up	noncoding	TCONS_00006165	6,619257	5,395107	6,3567486	6,3432918	6,9184947	4,2089014	4,054531	4,306862	5,607626	4,8012733
2,7915381	up	noncoding	uc021oub.1	6,366144	6,67709	6,605233	6,1956534	6,625048	4,8818846	5,1877985	4,9054837	4,9357657	5,1529346
2,0671482	up	noncoding	ENST00000437350	6,743682	6,517691	6,90446	6,9213333	7,2848005	5,7292056	5,8247056	5,6966934	5,982448	5,900705
2,35015	up	noncoding	NR_046414	6,515884	6,669772	6,3782325	5,5803747	6,454576	4,7920938	5,3174872	5,371255	4,583288	5,370951
3,1732562	up	noncoding	ENST00000431300	8,316085	8,422892	8,371649	7,991077	8,447202	6,734995	6,989771	6,653952	6,16638	6,673987
2,461788	up	noncoding	chr11:8260275-8275	9,300311	9,465274	9,196823	9,310288	8,820114	7,498797	7,7007704	7,607503	8,730137	8,05707
2,7104821	up	noncoding	ENST00000558749	8,002277	7,8711753	8,002546	7,998122	8,165196	6,596259	6,4886208	6,56056	6,8182445	6,3828845
2,1270483	up	noncoding	uc001hog.1	7,470399	7,817266	7,499487	6,8747997	7,285572	5,985897	6,2980623	6,5251803	6,237413	6,456707
3,5489191	up	noncoding	uc001yvq.2	5,3963785	5,6340237	5,4515653	3,949359	5,297902	2,3712502	4,055909	3,8138857	3,7509198	2,6003654
7,614438	up	noncoding	ENST00000439454	5,970727	5,1392765	5,8280287	5,6352396	6,7644076	2,3721886	3,5446603	2,7930782	3,1781313	2,8059332
3,3939514	up	noncoding	ENST00000435785	6,951287	6,9930162	6,9896817	6,8134656	7,0646257	5,29947	5,005903	5,2555385	5,2872415	5,1490936
2,5937399	up	noncoding	TCONS_00016208	5,9184184	5,7403064	6,039526	6,222872	6,625563	4,7721744	4,6254797	4,7838407	4,699708	4,790314
3,1573386	up	noncoding	ENST00000572850	12,965199	12,105972	12,832368	12,499534	13,409881	11,122921	11,082133	10,927438	11,320627	11,06629
2,3946314	up	noncoding	ENST00000454537	7,941559	7,94968	7,90545	7,3448534	7,9606214	6,679265	6,370246	6,7052317	6,343825	6,704578
60,7919285	up	noncoding	ENST00000567538	9,567743	8,218883	9,512949	9,253701	9,942137	2,3835866	2,402045	2,7329698	6,468813	2,8789592
2,8616648	up	noncoding	ENST00000423402	12,0694275	11,309299	11,595143	10,646048	11,583622	9,840282	9,705441	9,622618	10,583382	9,867543
3,5497403	up	noncoding	ENST00000569279	7,5055227	8,187296	7,637032	6,1152825	6,8203983	5,6617947	5,8896446	5,7420826	4,4882946	5,3451476
2,1501793	up	noncoding	ENST00000430428	7,3971596	7,1267204	7,2404675	7,1043887	7,577309	6,2253265	6,3026943	6,3632383	5,8293877	6,2031136
3,4079402	up	noncoding	TCONS_00021785	15,707511	14,940999	15,548686	15,340881	15,936663	13,797663	13,570091	13,422517	14,174974	13,664995
7,2913436	up	noncoding	ENST00000486295	7,437648	6,570191	7,346333	7,5133834	7,844814	4,204682	4,863653	4,526046	4,370473	4,416592
2,8708756	up	noncoding	ENST00000579554	5,5127845	5,7176027	5,848485	5,3320255	5,3034735	3,8680646	4,1786356	3,8786116	4,0010376	4,1805677
2,8708756	up	noncoding	ENST00000579554	5,5127845	5,7176027	5,848485	5,3320255	5,3034735	3,8680646	4,1786356	3,8786116	4,0010376	4,1805677
2,8708756	up	noncoding	ENST00000579554	5,5127845	5,7176027	5,848485	5,3320255	5,3034735	3,8680646	4,1786356	3,8786116	4,0010376	4,1805677
2,8597423	up	noncoding	ENST00000420219	5,2144337	4,1242247	5,133099	6,3179016	5,665158	2,4125783	4,1548715	3,8661644	4,267581	4,174196
2,0831672	up	noncoding	ENST00000415244	8,838241	8,694717	8,890729	8,8590145	9,114888	7,5516453	7,8203573	7,925156	7,7887726	8,017765
3,6821551	up	noncoding	uc004fbf.1	14,747099	14,6083	14,747099	14,731857	15,127029	12,891136	12,87222	12,934077	12,866531	12,994668
3,2430139	up	noncoding	ENST00000562902	9,485939	9,071962	9,406419	9,655336	9,863651	8,190688	8,412483	8,052359	6,968685	7,372416
2,064055	up	noncoding	ENST00000563949	8,775539	9,471443	8,791461	7,1411667	7,448122	7,4732866	7,485833	7,2943115	7,0519514	7,094942
2,990847	up	noncoding	ENST00000503006	5,084937	4,3335176	4,7682586	4,92254	5,669122	3,7313986	3,2315588	3,5337055	3,086926	3,2920158
3,3681348	up	noncoding	ENST00000440492	4,329595	4,6861105	4,4234934	4,330796	5,1807933	2,3836071	3,3627913	2,3715568	3,6553016	2,417782
2,6573293	up	noncoding	ENST00000581712	8,4790535	8,63872	8,537531	8,228462	8,283893	6,9012327	7,1853333	7,0573134	7,0021505	6,9717445
3,255451	up	noncoding	ENST00000566733	7,193138	7,215688	7,1049705	6,971244	7,226722	5,1277494	4,9876776	5,2776227	6,7401767	5,064249
9,1825498	up	noncoding	ENST00000538202	9,021292	7,8040648	8,943071	9,41269	9,724945	5,6517305	5,8488374	5,834506	5,8329554	5,7435594
3,571989	up	noncoding	ENST00000412194	5,821931	5,775316	5,885023	5,8103614	5,7770715	3,7733653	3,8759086	4,2591033	3,8335521	4,1441355
3,1702054	up	noncoding	ENST00000441587	7,2502112	6,9755836	7,0383534	7,013413	7,218888	5,1415415	5,474836	5,3674536	5,5034156	5,686321
2,2905515	up	noncoding	ENST00000502069	7,5768423	6,973023	7,5949802	7,551294	8,098205	6,340061	6,58144	6,5310154	6,086776	6,276577
2,2905515	up	noncoding	ENST00000502069	7,5768423	6,973023	7,5949802	7,551294	8,098205	6,340061	6,58144	6,5310154	6,086776	6,276577
4,2073353	up	noncoding	uc002jcf.3	8,02194	7,313174	7,8743405	8,41528	8,6556635	6,169283	6,102865	5,929904	5,644491	6,069321
2,1680539	up	noncoding	uc003gpl.1	10,48713	10,61065	10,470634	9,917279	10,326907	9,198413	9,301535	9,261015	9,152248	9,317386
3,5101843	up	noncoding	ENST00000582557	8,455361	8,5684595	8,334795	7,943961	8,368381	6,4412127	6,546262	6,853512	6,2253265	6,5469103
2,2042699	up	noncoding	ENST00000556030	5,8280287	6,0982685	5,6955843	5,0247736	5,7822804	4,7176313	4,587606	4,7175107	4,338471	4,366212
5,6343429	up	noncoding	ENST00000524265	5,4044976	5,4298067	5,590323	5,5649037	5,608231	2,5235164	2,9484842	3,1429513	3,0710878	3,4404855
12,7512545	up	noncoding	ENST00000420452	9,588244	8,733685	9,5226965	9,361634	10,309446	5,7624784	5,6566467	5,605279	6,139552	5,988913
3,1302537	up	noncoding	NR_038261	10,782994	10,302473	10,798252	11,308154	11,324009	9,51654	9,670591	9,161927	9,359874	8,575552
3,1302537	up	noncoding	NR_038261	10,782994	10,302473	10,798252	11,308154	11,324009	9,51654	9,670591	9,161927	9,359874	8,575552
2,3275344	up	noncoding	TCONS_00018127	8,9123955	8,400974	9,002441	9,82602	9,193769	8,284668	8,3207445	7,4380164	7,6877003	7,510458
3,7543437	up	noncoding	NR_038955	7,29601	7,046314	7,2456174	7,970941	7,615472	5,5382347	5,4983263	5,728749	5,2540607	5,61218
4,3014756	up	noncoding	ENST00000572035	9,681303	7,1578474	9,397533	9,856309	10,60152	7,2377777	7,11679	7,069473	7,440803	7,3055105
2,1729948	up	noncoding	TCONS_00019777	5,172807	6,2267303	5,579422	5,3117127	4,4391165	4,6705823	4,284342	4,2393885	3,7193573	4,2176948
49,8312708	up	noncoding	ENST00000415918	11,779586	10,348455	11,526138	11,132368	12,466911	5,650869	5,643109	5,5293984	6,285235	5,9499493
2,0588759	up	noncoding	TCONS_00025558	6,020195	6,0722523	5,8511157	6,373832	4,812719	4,392597	4,655322	4,5186777	5,9864984	4,3677344
2,1499558	up	noncoding	ENST00000560750	8,066869	8,383	8,085569	7,690696	7,7467103	7,132299	7,4380164	7,0866823	6,394175	6,4001365
7,9076324	up	noncoding	ENST00000416416	7,076452	6,1722445	6,8745785	7,122922	7,4401813	4,305111	3,8470752	4,1840625	3,5313041	3,9025965
2,7970354	up	noncoding	ENST00000442418	4,21661	4,388088	4,265034	4,159682	5,8270183	2,3733425	2,7929657	3,0595596	3,5952656	3,6158063
2,7970354	up	noncoding	ENST00000442418	4,21661	4,388088	4,265034	4,159682	5,8270183	2,3733425	2,7929657	3,0595596	3,5952656	3,6158063
2,7970354	up	noncoding	ENST00000442418	4,21661	4,388088	4,265034	4,159682	5,8270183	2,3733425	2,7929657	3,0595596	3,5952656	3,6158063
2,7970354	up	noncoding	ENST00000442418	4,21661	4,388088	4,265034	4,159682	5,8270183	2,3733425	2,7929657	3,0595596	3,5952656	3,6158063
2,7970354	up	noncoding	ENST00000442418	4,21661	4,388088	4,265034	4,159682	5,8270183	2,3733425	2,7929657	3,0595596	3,5952656	3,6158063
2,7970354	up	noncoding	ENST00000442418	4,21661	4,388088	4,265034	4,159682	5,8270183	2,3733425	2,7929657	3,0595596	3,5952656	3,6158063
3,813275	up	noncoding	ENST00000449579	5,7362146	5,374074	5,6125946	4,906794	5,9892974	3,69717	3,4103131	3,9859219	3,304153	3,5662637
2,9641105	up	noncoding	TCONS_00020900	6,2026744	5,3815923	5,981586	6,17213	6,4205847	3,5312054	4,0791993	4,766424	5,011842	4,9319005
2,2613031	up	noncoding	uc001ogq.1	8,548546	7,8549743	8,518621	7,919903	8,920935	6,9923773	6,924714	7,173615	7,550025	7,236476
11,4717786	up	noncoding	ENST00000514729	11,248527	11,231544	10,896378	9,702221	10,937316	6,7626457	6,7461877	6,699438	9,0888405	7,1187882
2,1852768	up	noncoding	uc010jbb.1	9,240884	9,213648	9,193253	9,024051	9,356523	8,040468	8,161282	8,209918	7,773433	8,204178
4,3304789	up	noncoding	AK022061	6,0938215	6,1981425	6,0142155	5,221512	6,300644	2,3739777	3,7090502	4,116345	4,8970394	4,1592903
2,4152414	up	noncoding	ENST00000501725	8,849518	7,870468	8,372596	9,3611765	8,980467	7,224432	7,3216724	7,3153744	7,9937806	7,218129

2,3517512	up	noncoding	ENST00000521048	4,7559843	4,830571	4,602391	4,861363	4,3777156	2,7977974	3,8472207	3,4568233	3,7510557	3,4064507
2,1271385	up	noncoding	ENST00000551565	6,1905866	5,7745132	6,325438	6,0893593	6,119925	5,232381	4,9792767	4,99391	4,799207	5,0504775
2,2909218	up	noncoding	ENST00000560351	6,065443	5,802704	6,210139	6,105658	6,3783674	4,98492	4,9699965	4,85908	5,0164905	4,7521834
2,2909218	up	noncoding	ENST00000560351	6,065443	5,802704	6,210139	6,105658	6,3783674	4,98492	4,9699965	4,85908	5,0164905	4,7521834
5,3657466	up	noncoding	TCONS_00004038	7,5569367	7,3014584	7,631657	7,304779	7,6946683	5,2045593	4,8552957	4,784374	4,9688015	5,5575743
2,4284636	up	noncoding	ENST00000411453	6,894373	6,4424863	6,9220734	6,723304	7,337589	5,759965	5,5888433	5,4814672	5,252778	5,836553
2,9525653	up	noncoding	ENST00000417404	4,9033647	4,8492193	4,6260905	4,58961	5,2157054	2,4083824	3,306611	3,148525	3,5247047	3,9859219
2,6189386	up	noncoding	TCONS_00004490	7,308254	7,188748	7,3342457	7,289311	7,6039658	5,8102026	5,811896	6,2077646	5,873419	6,076331
2,4098575	up	noncoding	NR_026728	9,220774	8,178568	9,221095	8,720075	9,932203	7,743943	7,7513657	7,859145	7,6978784	7,8756437
2,4098575	up	noncoding	NR_026728	9,220774	8,178568	9,221095	8,720075	9,932203	7,743943	7,7513657	7,859145	7,6978784	7,8756437
8,1938043	up	noncoding	ENST00000448595	8,513714	8,138776	8,530705	8,64599	8,985205	5,720362	6,106219	5,5756373	4,931246	5,3082585
6,0227664	up	noncoding	uc004dgq.1	13,381237	12,326004	13,002131	12,621604	13,509776	10,293676	10,145872	9,9942045	11,091752	10,363116
6,0227664	up	noncoding	uc004dgq.1	13,381237	12,326004	13,002131	12,621604	13,509776	10,293676	10,145872	9,9942045	11,091752	10,363116
6,0227664	up	noncoding	uc004dgq.1	13,381237	12,326004	13,002131	12,621604	13,509776	10,293676	10,145872	9,9942045	11,091752	10,363116
6,0227664	up	noncoding	uc004dgq.1	13,381237	12,326004	13,002131	12,621604	13,509776	10,293676	10,145872	9,9942045	11,091752	10,363116
11,3794995	up	noncoding	NR_038397	13,871549	13,176169	13,794598	14,068436	14,282863	10,454488	10,533313	10,594731	9,971743	10,097514
11,3794995	up	noncoding	NR_038397	13,871549	13,176169	13,794598	14,068436	14,282863	10,454488	10,533313	10,594731	9,971743	10,097514
3,1247379	up	noncoding	ENST00000583521	4,9292192	4,4195113	4,725776	5,0756507	4,929733	2,5888455	2,9058237	3,549794	3,546255	3,2704961
3,1247379	up	noncoding	ENST00000583521	4,9292192	4,4195113	4,725776	5,0756507	4,929733	2,5888455	2,9058237	3,549794	3,546255	3,2704961
2,786029	up	noncoding	ENST00000568314	5,746029	5,589062	5,6372523	4,9421177	5,744198	2,3728225	4,21018	4,9712396	4,351924	4,3614416
11,8209182	up	noncoding	uc001vvu.3	6,2065377	6,281139	6,231166	5,765198	6,19357	2,3722708	2,402045	2,3715568	3,205102	2,5102851
11,5014067	up	noncoding	NR_028131	6,554159	6,2088494	6,4273567	6,112159	6,909253	2,371908	2,7443316	2,8680136	3,104257	3,5045748
11,5014067	up	noncoding	NR_028131	6,554159	6,2088494	6,4273567	6,112159	6,909253	2,371908	2,7443316	2,8680136	3,104257	3,5045748
11,5014067	up	noncoding	NR_028131	6,554159	6,2088494	6,4273567	6,112159	6,909253	2,371908	2,7443316	2,8680136	3,104257	3,5045748
2,4308432	up	noncoding	NR_033703	7,971302	8,075417	8,010872	7,75868	7,9773893	6,576906	6,679994	6,8564973	6,5295525	6,7434263
2,4308432	up	noncoding	NR_033703	7,971302	8,075417	8,010872	7,75868	7,9773893	6,576906	6,679994	6,8564973	6,5295525	6,7434263
2,4308432	up	noncoding	NR_033703	7,971302	8,075417	8,010872	7,75868	7,9773893	6,576906	6,679994	6,8564973	6,5295525	6,7434263
5,2000393	up	noncoding	ENST00000439237	5,9799128	5,694438	5,857873	5,1017623	6,0175276	2,674751	3,2298155	3,8587437	3,3932748	3,6023161
2,066224	up	noncoding	ENST00000523859	7,4901023	7,1090593	7,4449153	7,2213106	8,066694	6,3513856	6,3171406	6,4395843	6,3120856	6,676902
37,6746541	up	noncoding	NR_038910	8,992077	8,550036	8,859799	8,888807	9,443338	4,0535994	3,648705	3,9728918	3,4542394	3,4270096
37,6746541	up	noncoding	NR_038910	8,992077	8,550036	8,859799	8,888807	9,443338	4,0535994	3,648705	3,9728918	3,4542394	3,4270096
37,6746541	up	noncoding	NR_038910	8,992077	8,550036	8,859799	8,888807	9,443338	4,0535994	3,648705	3,9728918	3,4542394	3,4270096
37,6746541	up	noncoding	NR_038910	8,992077	8,550036	8,859799	8,888807	9,443338	4,0535994	3,648705	3,9728918	3,4542394	3,4270096
5,0718111	up	noncoding	uc001vnl.3	5,6107726	5,15217	5,9219255	5,232381	5,903811	2,3708715	3,4446552	3,7742803	3,1829448	3,3358033
3,6827805	up	noncoding	TCONS_00012053	5,093901	4,776369	5,4134164	5,3810444	5,568858	2,3727658	2,974483	4,1067576	3,9015577	3,4740477
4,2120516	up	noncoding	uc003lqr.3	12,360151	12,233323	12,346889	12,3173485	12,508448	10,456155	10,51263	10,502129	9,903861	10,018769
4,168189	up	noncoding	uc010glc.2	7,554281	6,7046556	7,5117607	7,7353315	8,258887	5,557443	5,6815124	5,62247	4,803594	5,802793
4,6861126	up	noncoding	ENST00000561402	6,1665745	6,046408	6,214122	5,3654833	6,363056	4,3844037	3,940892	4,2342796	3,0902407	3,3638697
2,3753525	up	noncoding	uc002oeu.2	9,219983	9,564799	9,274921	8,538607	8,802021	7,837401	7,906521	7,9155135	7,6120305	7,888157
3,2928748	up	noncoding	NR_046357	5,6233044	4,8487945	5,3385468	3,9189022	5,8646183	2,3710473	3,7057576	3,3567657	3,8064668	3,7573905
3,2928748	up	noncoding	NR_046357	5,6233044	4,8487945	5,3385468	3,9189022	5,8646183	2,3710473	3,7057576	3,3567657	3,8064668	3,7573905
2,5381674	up	noncoding	ENST00000426661	9,203355	8,406853	8,974048	9,273243	9,596856	7,748459	7,624906	7,7004166	7,9846087	7,6770287
3,0740458	up	noncoding	ENST00000565162	6,7889705	6,9561467	6,699062	6,632033	6,610294	5,192391	5,462478	5,35905	4,568345	5,003549
3,9621939	up	noncoding	uc022agm.1	12,129428	11,969647	12,1210375	12,123357	12,255524	10,211226	10,247504	10,123379	9,956146	10,129241
3,8038398	up	noncoding	ENST00000524035	11,146668	10,439031	11,098882	10,8131485	11,167565	9,106729	9,093269	8,784092	9,134258	8,909664
6,0388477	up	noncoding	uc011bsy.2	8,354726	8,071234	8,247896	8,201343	8,525844	5,677718	6,025185	6,052677	5,0447655	5,629331
29,7419872	up	noncoding	ENST00000431729	10,3251095	9,875106	10,297311	10,386855	10,803981	5,444028	5,123317	5,4738464	5,9853864	5,189639
2,1618005	up	noncoding	TCONS_00021981	10,456789	10,521147	10,364086	9,966996	10,21148	9,066867	9,088401	9,042291	9,712395	9,049377
3,1775486	up	noncoding	ENST00000398216	5,0731916	4,501618	4,9631166	5,292807	5,791564	2,3721669	3,931146	3,5444093	3,267669	4,167335
3,1328906	up	noncoding	ENST00000412084	6,6923285	5,5328064	6,3662677	6,7637286	7,41979	4,738539	4,9826922	5,12556	4,529916	5,160742
17,2496581	up	noncoding	ENST00000436880	7,349889	6,406576	7,2148747	7,391502	8,008669	2,5562391	3,49798	3,5420835	3,077174	3,1555548
2,0606708	up	noncoding	TCONS_00014964	7,317884	7,1208014	7,296322	6,9262295	7,2363095	5,7055497	6,2724433	6,0833926	6,4968224	6,123768
3,633951	up	noncoding	ENST00000510264	6,860584	7,1733594	6,8267145	6,0429134	6,4289365	4,7445326	5,282676	4,774651	4,3483763	4,874577
3,8871418	up	noncoding	TCONS_00017188	7,031155	6,6147475	7,0692387	7,072274	7,323489	5,068012	5,3172817	5,237189	4,8189936	4,8758793
2,3511987	up	noncoding	NR_027878	9,283838	9,19465	9,31053	9,0858345	9,496182	8,042139	7,9960423	8,177532	7,719985	8,268354
5,2846287	up	noncoding	uc001lva.4	10,652565	8,960791	10,664011	11,2597685	11,49855	8,168437	8,119987	8,288523	8,170539	8,279189
3,8316698	up	noncoding	NR_021492	8,907769	9,460669	9,034143	7,721572	8,286763	6,767124	6,883506	6,9202814	6,391973	6,7581654
2,0179964	up	noncoding	NR_024127	11,758575	11,49855	11,671314	11,81057	11,944431	10,750107	10,855256	10,807742	10,653523	10,552194
7,9426067	up	noncoding	TCONS_00009167	5,3454657	5,636083	5,575894	5,2864614	6,023679	3,4031107	2,402045	2,3715568	2,3702428	2,372565
9,1784491	up	noncoding	ENST00000579037	6,2769094	6,1728816	6,398246	6,1891356	6,6754045	4,283374	2,7455883	3,1779418	2,4524508	3,0619702
9,1784491	up	noncoding	ENST00000579037	6,2769094	6,1728816	6,398246	6,1891356	6,6754045	4,283374	2,7455883	3,1779418	2,4524508	3,0619702
9,1784491	up	noncoding	ENST00000579037	6,2769094	6,1728816	6,398246	6,1891356	6,6754045	4,283374	2,7455883	3,1779418	2,4524508	3,0619702
9,6625535	up	noncoding	ENST00000554542	6,128978	5,291465	6,1743555	6,1734657	6,6242046	2,3807933	2,402045	3,2218287	2,8453023	3,180477
5,3257444	up	noncoding	ENST00000418309	12,097658	11,321441	12,0872965	11,9911995	12,517463	9,688166	9,649615	9,499149	9,55935	9,553862
5,3257444	up	noncoding	ENST00000418309	12,097658	11,321441	12,0872965	11,9911995	12,517463	9,688166	9,649615	9,499149	9,55935	9,553862
2,4947818	up	noncoding	ENST00000553584	5,625307	4,76794	5,2287936	5,204379	6,0833926	3,9743237	4,0065384	3,708055	4,121975	4,504352
3,4323068	up	noncoding	ENST00000427852	5,2598286	3,445209	5,2906737	5,7627597	5,917905	3,373337	3,8694646	2,4099312	3,7444315	3,3833191
2,2847584	up	noncoding	ENST00000456375	8,155591	8,07948	8,054284	8,015792	8,290001	6,7249956	6,918808	6,997912	7,2851725	6,7080517
11,5255526	up	noncoding	ENST00000513313	6,0318756	5,5378513	5,8823285	6,1905866	6,649116	2,376587	2,402045	2,5511868	2,5561078	2,7720113
11,0741183	up	noncoding	ENST00000443587	7,21927	6,557497	6,973023	6,7892203	7,73605	3,5890832	4,476596	3,0237355	3,5031588	3,3368871

3,6272636	up	noncoding	ENST00000448463	10,727469	10,130315	10,692083	11,066905	11,267459	8,770809	9,009442	8,93775	9,116655	8,755167
6,174828	up	noncoding	NR_036513	7,927007	6,101903	7,5190306	8,739578	8,720075	5,293579	5,1723313	4,8550625	5,664926	4,8897
3,3704733	up	noncoding	ENST00000446631	7,4294252	7,2371798	7,392614	7,131948	7,691292	5,483419	5,7695	5,5701704	5,708052	5,5865617
3,3704733	up	noncoding	ENST00000446631	7,4294252	7,2371798	7,392614	7,131948	7,691292	5,483419	5,7695	5,5701704	5,708052	5,5865617
3,3704733	up	noncoding	ENST00000446631	7,4294252	7,2371798	7,392614	7,131948	7,691292	5,483419	5,7695	5,5701704	5,708052	5,5865617
3,3704733	up	noncoding	ENST00000446631	7,4294252	7,2371798	7,392614	7,131948	7,691292	5,483419	5,7695	5,5701704	5,708052	5,5865617
8,4857073	up	noncoding	ENST00000423708	5,692983	5,175787	5,4059696	5,323472	5,810679	2,3737254	2,402045	2,4090416	2,426339	2,372565
2,3399321	up	noncoding	ENST00000506463	7,421384	7,5543766	7,4271293	7,55852	7,54769	6,5007777	6,4817333	6,4404407	5,7765875	6,1772275
2,1555484	up	noncoding	ENST00000560453	6,0373335	5,9090095	6,0383077	6,6445327	5,853692	4,812464	4,710407	4,5651455	5,39803	5,456554
2,1555484	up	noncoding	ENST00000560453	6,0373335	5,9090095	6,0383077	6,6445327	5,853692	4,812464	4,710407	4,5651455	5,39803	5,456554
2,1555484	up	noncoding	ENST00000560453	6,0373335	5,9090095	6,0383077	6,6445327	5,853692	4,812464	4,710407	4,5651455	5,39803	5,456554
2,1555484	up	noncoding	ENST00000560453	6,0373335	5,9090095	6,0383077	6,6445327	5,853692	4,812464	4,710407	4,5651455	5,39803	5,456554
11,858941	up	noncoding	uc001dnu.1	8,397686	7,8427763	8,329722	8,302704	8,811258	4,5130534	5,03537	4,6695085	4,6323023	4,9943957
7,5472941	up	noncoding	TCONS_00001337	5,8760295	4,067152	5,4424543	5,7219944	6,4563785	3,2593157	2,402045	2,3715568	2,3702428	2,5810509
2,1106623	up	noncoding	TCONS_00026907	12,5515	12,384596	12,461301	12,473488	12,538222	11,405134	11,428841	11,584567	11,296051	11,306035
3,2437761	up	noncoding	uc009voh.3	6,3424306	5,950203	6,243359	6,470553	7,0331106	4,661275	4,4384484	4,6824994	4,9148045	4,8542576
2,62258	up	noncoding	ENST00000505972	5,9494853	5,5875206	5,9263954	5,948939	6,4823437	4,0527897	4,330627	4,4493256	5,1578298	4,949178
2,1568334	up	noncoding	uc001bgg.1	6,1384206	5,809524	5,9757447	6,5482955	6,4968224	5,008418	4,97741	4,87294	5,510449	5,0550165
26,8564829	up	noncoding	NR_024047	7,340828	7,211839	7,318017	6,6692643	7,319813	2,371642	2,402045	2,3715568	2,3702428	2,6082823
2,4255273	up	noncoding	ENST00000435407	5,3088408	5,0136027	5,247227	5,533456	5,419577	4,9168177	4,3375754	3,2046893	3,6249392	4,0471897
6,9218104	up	noncoding	ENST00000580242	11,06629	11,326914	11,052062	10,547567	10,755053	8,557824	8,8792305	8,376401	7,3416514	7,637032
2,7887071	up	noncoding	ENST00000458667	11,030523	10,306218	10,999017	11,04885	11,442237	9,46565	9,371517	9,278116	9,827641	9,485939
5,3397761	up	noncoding	ENST00000548801	6,909494	6,460993	6,7000217	6,93027	7,1270533	4,1717515	4,4203544	4,7701473	4,1441355	4,537547
5,3397761	up	noncoding	ENST00000548801	6,909494	6,460993	6,7000217	6,93027	7,1270533	4,1717515	4,4203544	4,7701473	4,1441355	4,537547
5,3397761	up	noncoding	ENST00000548801	6,909494	6,460993	6,7000217	6,93027	7,1270533	4,1717515	4,4203544	4,7701473	4,1441355	4,537547
5,3397761	up	noncoding	ENST00000548801	6,909494	6,460993	6,7000217	6,93027	7,1270533	4,1717515	4,4203544	4,7701473	4,1441355	4,537547
5,3397761	up	noncoding	ENST00000548801	6,909494	6,460993	6,7000217	6,93027	7,1270533	4,1717515	4,4203544	4,7701473	4,1441355	4,537547
5,3397761	up	noncoding	ENST00000548801	6,909494	6,460993	6,7000217	6,93027	7,1270533	4,1717515	4,4203544	4,7701473	4,1441355	4,537547
5,3397761	up	noncoding	ENST00000548801	6,909494	6,460993	6,7000217	6,93027	7,1270533	4,1717515	4,4203544	4,7701473	4,1441355	4,537547
2,1881145	up	noncoding	uc004czn.4	7,272805	6,8843203	7,2524853	6,8713126	7,5775666	6,060038	5,9374185	6,1397676	6,087881	5,9849434
2,1051698	up	noncoding	NR_033389	5,3058743	5,0894685	5,4500875	4,8597565	6,1730275	4,590666	4,1650224	3,766416	4,2291446	4,7572823
2,1051698	up	noncoding	NR_033389	5,3058743	5,0894685	5,4500875	4,8597565	6,1730275	4,590666	4,1650224	3,766416	4,2291446	4,7572823
2,1051698	up	noncoding	NR_033389	5,3058743	5,0894685	5,4500875	4,8597565	6,1730275	4,590666	4,1650224	3,766416	4,2291446	4,7572823
2,1051698	up	noncoding	NR_033389	5,3058743	5,0894685	5,4500875	4,8597565	6,1730275	4,590666	4,1650224	3,766416	4,2291446	4,7572823
3,0046974	up	noncoding	ENST00000512519	6,611958	6,7876916	6,66507	6,355967	6,689123	4,951315	4,961067	5,188795	5,111404	4,96113
3,0046974	up	noncoding	ENST00000512519	6,611958	6,7876916	6,66507	6,355967	6,689123	4,951315	4,961067	5,188795	5,111404	4,96113
2,6655425	up	noncoding	ENST00000518000	9,155437	9,097209	9,025926	8,804924	9,267441	7,641293	7,788927	7,63254	7,5276785	7,6883526
2,1478501	up	noncoding	ENST00000553520	7,441227	7,147202	7,475058	7,7913136	7,783243	6,2333646	6,218265	6,562201	6,386912	6,7228346
2,1478501	up	noncoding	ENST00000553520	7,441227	7,147202	7,475058	7,7913136	7,783243	6,2333646	6,218265	6,562201	6,386912	6,7228346
2,1478501	up	noncoding	ENST00000553520	7,441227	7,147202	7,475058	7,7913136	7,783243	6,2333646	6,218265	6,562201	6,386912	6,7228346
2,8658412	up	noncoding	NR_045958	7,4738603	6,5499578	7,371023	7,6828494	8,204423	5,919417	5,8802443	5,8890576	5,76134	6,2372613
2,8658412	up	noncoding	NR_045958	7,4738603	6,5499578	7,371023	7,6828494	8,204423	5,919417	5,8802443	5,8890576	5,76134	6,2372613
2,8658412	up	noncoding	NR_045958	7,4738603	6,5499578	7,371023	7,6828494	8,204423	5,919417	5,8802443	5,8890576	5,76134	6,2372613
3,2506989	up	noncoding	ENST00000421735	7,0403543	7,440803	7,014213	5,889225	6,1784325	5,203634	5,247864	4,810144	4,9090605	4,8885756
3,2506989	up	noncoding	ENST00000421735	7,0403543	7,440803	7,014213	5,889225	6,1784325	5,203634	5,247864	4,810144	4,9090605	4,8885756
3,1265485	up	noncoding	ENST00000512693	6,9765716	6,4947615	7,0506673	7,331746	7,5522704	5,715928	5,556032	5,3520412	4,981887	5,577274
3,845181	up	noncoding	TCONS_00013713	7,2597113	6,8203983	7,140775	6,909253	7,5511236	5,20633	5,340501	5,324927	4,888745	5,2055006
2,0990766	up	noncoding	uc003won.1	9,80896	9,401019	9,700571	9,701185	10,106752	8,652772	8,547834	8,936237	8,47585	8,75702
3,2149251	up	noncoding	ENST00000440790	8,408687	8,119712	8,430111	8,558311	8,822121	7,0731225	7,1881943	7,053776	6,030105	6,5698185
6,85114	up	noncoding	TCONS_00012341	5,2585907	4,387387	5,1009398	5,3525996	6,0702	2,372634	2,402045	2,711611	2,3702428	2,431464
4,5531966	up	noncoding	ENST00000562983	7,443542	7,4038095	7,4593296	6,9283404	7,296322	5,317604	5,2749043	5,1698995	4,382338	5,452199
8,3506397	up	noncoding	NR_003530	8,076544	6,990218	7,899662	7,887822	8,4443	4,648503	5,0053754	4,7936487	4,4350343	5,106551
2,266222	up	noncoding	TCONS_00001856	5,69655	5,235181	5,687507	6,734001	6,2238607	4,7404227	3,9255495	4,881259	5,159621	4,9688015
5,4422362	up	noncoding	NR_033998	8,508212	8,778225	8,55471	7,9909043	8,523279	5,980664	5,981148	6,2161055	5,742293	6,214122
2,5951753	up	noncoding	ENST00000578883	10,072482	9,910911	10,0129	9,943449	10,270171	8,736936	8,850182	8,72902	8,395083	8,619532
2,4729598	up	noncoding	ENST00000446249	10,463743	9,600435	10,323702	10,146252	10,628621	8,924109	8,774406	8,599272	9,502084	8,831688
3,7951371	up	noncoding	NR_045684	8,855038	8,14779	8,664738	8,875992	9,437219	6,931071	6,9762974	6,7381063	6,941605	6,7729373
3,7951371	up	noncoding	NR_045684	8,855038	8,14779	8,664738	8,875992	9,437219	6,931071	6,9762974	6,7381063	6,941605	6,7729373
2,4188303	up	noncoding	ENST00000423099	7,3524137	7,5560703	7,218888	6,557945	6,9425044	6,119306	6,0100126	6,2737427	5,2589364	5,594276
2,4188303	up	noncoding	ENST00000423099	7,3524137	7,5560703	7,218888	6,557945	6,9425044	6,119306	6,0100126	6,2737427	5,2589364	5,594276
2,4188303	up	noncoding	ENST00000423099	7,3524137	7,5560703	7,218888	6,557945	6,9425044	6,119306	6,0100126	6,2737427	5,2589364	5,594276
3,7454989	up	noncoding	ENST00000537801	9,941093	9,336881	9,815481	10,069435	10,336033	8,261202	8,305281	8,248606	7,477235	7,6808095
3,7454989	up	noncoding	ENST00000537801	9,941093	9,336881	9,815481	10,069435	10,336033	8,261202	8,305281	8,248606	7,477235	7,6808095
6,3807153	up	noncoding	ENST00000452846	9,139358	9,370935	9,188557	8,603674	9,051893	6,388681	6,527285	6,5544662	6,010874	6,50452
2,4460328	up	noncoding	ENST00000450911	7,348242	7,306159	7,2170944	6,4622364	7,0287733	5,660299	5,805487	5,9084787	5,4996743	6,0363474
3,0112871	up	noncoding	ENST00000505338	7,699246	7,3027043	7,6499066	7,4009647	7,9581943	6,098971	5,8085637	6,0624185	5,862585	6,2265763
2,4325546	up	noncoding	ENST00000520024	4,398267	4,2045913	4,7302628	4,9712396	5,7525573	3,4640698	3,727842	4,1787667	3,0367799	3,2370987
5,246447	up	noncoding	uc002asg.1	7,8176546	7,698723	7,76322	7,5129538	7,899662	5,446495	5,2430325	5,2138624	5,2509665	5,5811534
2,6286866	up	noncoding	ENST00000503938	5,769654	5,4718804	5,5284615	5,6836786	5,8040123	4,551236	3,8751848	3,8549447	5,3130956	3,691515
3,6270999	up	noncoding	uc011djj.1	5,6132317	4,781698	5,3917747	4,9558825	5,881796	2,9081705	3,1564255	4,093227	3,2262487	3,9462287

2,2187993	up	noncoding	ENST00000567464	6,3880816	6,4993887	6,58886	6,2308426	6,5707803	5,0635734	5,1976695	5,028894	5,591251	5,6476693
8,3761205	up	noncoding	ENST00000583179	11,82538	10,916383	11,562912	11,973689	12,34012	8,569239	8,3637295	8,2975645	9,527113	8,529427
6,2024233	up	noncoding	ENST00000539987	7,908331	7,6794424	7,783864	7,724082	8,15514	5,1973095	5,3398323	5,3522735	5,0608916	5,1363926
20,1567271	up	noncoding	ENST00000562575	8,5885725	7,911011	8,534532	8,883551	9,1981	3,8026216	4,8698654	4,5928283	3,9743237	4,21018
2,0626417	up	noncoding	TCONS_00021260	12,511886	11,996952	12,368893	12,128162	12,738094	11,254751	11,077274	11,108298	11,840962	11,240236
2,7826881	up	noncoding	ENST00000566355	7,582688	7,151608	7,4997187	7,5530453	7,7952147	5,859721	5,980664	5,788291	6,3029413	6,2682614
2,0621526	up	noncoding	uc003tvq.3	12,386138	12,089206	11,9569025	11,354994	11,792041	10,826895	10,809669	10,812113	11,075623	10,834226
6,2068569	up	noncoding	ENST00000416253	10,582536	9,936652	10,481907	10,761078	11,040274	7,8854084	8,069653	8,076544	7,6633315	7,9381957
3,1520635	up	noncoding	ENST00000433902	10,144114	9,167193	10,13625	9,990001	10,666825	8,371042	8,316401	8,207163	8,619532	8,308762
7,1619186	up	noncoding	ENST00000507787	5,327155	5,236489	5,39302	5,053587	6,290659	3,4324934	2,402045	2,405356	2,48672	2,372565
2,192656	up	noncoding	ENST00000451362	4,751529	4,087563	4,3950367	4,329184	4,954317	3,0243583	3,4238408	3,8796682	3,088846	3,4375188
4,2453342	up	noncoding	ENST00000428939	7,6111226	7,179134	7,375652	7,502944	8,08375	5,137811	5,5767016	5,6915493	5,1466627	5,7704873
4,6463096	up	noncoding	ENST00000444503	6,300644	5,7248454	6,1860514	7,4033866	7,0078726	4,0848546	4,4005365	4,3354993	4,7199917	4,0014915
4,6463096	up	noncoding	ENST00000444503	6,300644	5,7248454	6,1860514	7,4033866	7,0078726	4,0848546	4,4005365	4,3354993	4,7199917	4,0014915
5,2470255	up	noncoding	ENST00000416438	8,3401375	7,49079	8,219948	9,02744	8,989633	6,1441474	6,2037754	6,074109	5,9404387	5,747979
3,8359985	up	noncoding	NR_026998	8,973486	8,689173	8,79958	8,948294	9,28976	7,0603247	7,406753	7,114478	6,633035	6,7876916
6,863855	up	noncoding	ENST00000479612	7,5932455	7,166833	7,2683206	7,564791	7,8990393	4,7192	5,010399	4,963597	4,488194	4,415744
2,7578358	up	noncoding	NR_024511	7,853305	7,910466	7,837401	7,3551984	8,156124	6,4273567	6,2987227	6,3662677	6,245262	6,4572024
2,9074548	up	noncoding	ENST00000536949	5,209796	4,735392	5,204379	5,653321	5,7627597	3,0091918	3,8587437	4,432119	3,312052	4,2547574
4,9373893	up	noncoding	TCONS_00004669	11,514462	11,696123	11,529616	11,466074	11,357062	9,20096	9,227197	9,06876	9,751082	8,796596
3,6302847	up	noncoding	ENST00000559428	13,128688	12,307313	12,810212	12,880969	12,725296	10,646048	10,467642	10,41315	11,989332	11,0358925
4,8192583	up	noncoding	ENST00000456333	9,034143	8,897367	8,96343	8,926042	9,254529	6,6755085	7,0176406	6,7681785	6,5604434	6,7096844
2,4545762	up	noncoding	AA878381	9,876663	9,425653	9,497084	9,323453	9,347687	8,032571	8,046494	7,7150593	8,960541	8,238505
5,435034	up	noncoding	ENST00000450834	9,111972	8,802973	9,054195	9,183544	9,461702	6,7551355	6,8278294	7,0383534	6,365015	6,4166074
5,435034	up	noncoding	ENST00000450834	9,111972	8,802973	9,054195	9,183544	9,461702	6,7551355	6,8278294	7,0383534	6,365015	6,4166074
5,435034	up	noncoding	ENST00000450834	9,111972	8,802973	9,054195	9,183544	9,461702	6,7551355	6,8278294	7,0383534	6,365015	6,4166074
5,435034	up	noncoding	ENST00000450834	9,111972	8,802973	9,054195	9,183544	9,461702	6,7551355	6,8278294	7,0383534	6,365015	6,4166074
10,4096398	up	noncoding	ENST00000476909	7,237554	7,137187	7,1477957	6,6635547	7,3518977	4,448557	4,406361	3,4135425	2,9010901	3,4691973
6,4970735	up	noncoding	ENST00000418050	5,6937957	4,8307123	5,5888433	5,3263826	6,3565307	2,4137156	2,727471	3,1459143	3,6376486	2,372565
2,150829	up	noncoding	ENST00000441345	4,7727866	4,851732	4,8337417	5,2189775	5,1776648	2,3971376	4,120087	4,2369757	4,104107	4,4721313
2,150829	up	noncoding	ENST00000441345	4,7727866	4,851732	4,8337417	5,2189775	5,1776648	2,3971376	4,120087	4,2369757	4,104107	4,4721313
2,4696601	up	noncoding	ENST00000412855	8,433751	8,460973	8,323659	8,457635	8,420408	7,1368675	7,458038	7,233157	6,748315	6,998486
4,8841505	up	noncoding	ENST00000472227	5,280345	4,1862984	4,804956	5,284501	5,5143995	2,3974073	3,3368871	2,5543306	2,398003	2,9433336
2,1949826	up	noncoding	ENST00000449714	7,0113955	6,876348	6,9403234	6,990218	7,2985935	5,91124	6,2218847	6,006437	5,4335456	5,8727236
7,7646589	up	noncoding	ENST00000445619	5,6529403	4,597244	5,591457	5,4541297	6,4320827	3,0624356	2,402045	2,7359526	2,3702428	2,372565
26,1096592	up	noncoding	ENST00000568767	7,286806	7,0294	7,246743	6,9431763	7,519204	2,8035884	2,402045	2,3715568	2,5430155	2,372565
4,4912845	up	noncoding	ENST00000502764	8,389406	8,651986	8,392536	7,796569	8,016415	6,217128	6,4148088	6,137239	5,6599236	5,982172
2,331027	up	noncoding	ENST00000453835	5,9400306	5,1118245	5,789779	6,7394443	6,468574	4,2147784	4,6796374	4,0223994	5,716296	5,3117127
4,5316902	up	noncoding	uc010ecl.2	7,351115	6,5868926	7,164768	7,0381217	7,4738603	4,469742	4,884352	5,1134434	4,9823647	5,2646093
10,8398681	up	noncoding	NR_024366	11,8069315	11,405134	11,720772	11,934466	12,034705	8,234278	8,159739	8,301108	8,724885	8,290622
3,5563045	up	noncoding	ENST00000446002	5,7702503	4,3859363	5,330757	5,78053	6,5645876	3,0088887	2,7150116	2,9635777	6,1589937	3,8336952
67,9649385	up	noncoding	ENST00000563754	9,03929	7,7025995	8,962383	9,431159	9,848934	2,3732173	2,8990865	2,954903	3,0560086	3,2675562
2,5762842	up	noncoding	ENST00000448978	6,477564	6,18876	6,331645	5,3551536	6,2760096	4,58151	4,947068	5,142073	4,3591247	4,7728977
2,147122	up	noncoding	ENST00000553135	10,337206	10,08924	10,215521	10,289308	10,504358	9,273939	9,210227	9,490706	8,843055	9,105685
2,147122	up	noncoding	ENST00000553135	10,337206	10,08924	10,215521	10,289308	10,504358	9,273939	9,210227	9,490706	8,843055	9,105685
10,3574893	up	noncoding	NR_036538	8,310009	7,372604	8,152213	8,150212	8,887565	4,7035885	4,5320497	5,329787	4,8861384	4,5580273
10,3574893	up	noncoding	NR_036538	8,310009	7,372604	8,152213	8,150212	8,887565	4,7035885	4,5320497	5,329787	4,8861384	4,5580273
2,1967386	up	noncoding	ENST00000569267	8,274839	7,695943	8,176693	8,722293	8,632334	6,9667087	6,8731723	6,9755836	8,297387	6,7124343
24,4106039	up	noncoding	NR_037951	12,179197	11,9602	12,1540785	12,2404375	12,542673	7,81625	7,7987456	7,7060933	7,0834107	7,624906
24,4106039	up	noncoding	NR_037951	12,179197	11,9602	12,1540785	12,2404375	12,542673	7,81625	7,7987456	7,7060933	7,0834107	7,624906
24,4106039	up	noncoding	NR_037951	12,179197	11,9602	12,1540785	12,2404375	12,542673	7,81625	7,7987456	7,7060933	7,0834107	7,624906
24,4106039	up	noncoding	NR_037951	12,179197	11,9602	12,1540785	12,2404375	12,542673	7,81625	7,7987456	7,7060933	7,0834107	7,624906
24,4106039	up	noncoding	NR_037951	12,179197	11,9602	12,1540785	12,2404375	12,542673	7,81625	7,7987456	7,7060933	7,0834107	7,624906
2,6779256	up	noncoding	ENST00000558365	6,791066	6,238291	6,605847	6,822409	7,3334975	5,3253965	6,1090937	5,621461	4,5523915	5,0771885
5,1490601	up	noncoding	AL049990	10,735435	10,239889	10,634857	10,976757	11,211228	8,457635	8,637494	8,6303215	8,005767	8,245403
6,9853959	up	noncoding	ENST00000536317	7,873167	8,004353	7,7656274	7,168872	7,654006	5,819934	6,1812944	5,3565063	3,5528758	3,5337055
2,9226691	up	noncoding	ENST00000497397	11,605321	11,044439	11,5431595	11,871676	11,966457	10,042633	9,908577	9,744107	10,613499	9,985804
8,9758971	up	noncoding	uc003cmy.1	6,7213187	6,416342	6,6743374	6,117838	7,0434775	3,2781947	3,3685946	3,797103	3,2699423	3,4291983
58,0830787	up	noncoding	ENST00000448264	8,469697	8,639625	8,485095	7,7849407	8,399438	2,962156	2,402045	2,3715568	2,3702428	2,372565
4,2799068	up	noncoding	ENST00000413645	8,528538	8,054579	8,337035	8,488029	8,943597	6,5325027	6,2738366	6,5362225	6,0036283	6,517691
9,1689844	up	noncoding	NR_027182	9,584984	9,255965	9,606435	9,751368	10,134755	6,2987227	6,3736115	6,5454307	6,3360314	6,795901
2,1512159	up	noncoding	ENST00000583262	8,11276	8,221901	8,161489	7,801701	8,259785	6,9528503	6,8844533	7,0125504	7,108898	7,0731225
2,4997957	up	noncoding	ENST00000578927	7,5161324	7,527039	7,459126	7,3889637	7,721092	6,2880597	6,6291833	6,252821	5,6493735	6,1838646
9,728824	up	noncoding	ENST00000507844	6,3432918	5,2419353	5,666605	5,673632	6,3963637	2,373485	3,3465695	2,3715568	2,3758914	2,442998
4,1647224	up	noncoding	ENST00000485219	8,326054	8,425684	8,21259	7,8745832	8,394498	6,113785	6,515715	6,248314	6,1102815	5,954212
2,3701498	up	noncoding	ENST00000426393	6,4472485	5,511302	6,3053384	6,1165376	6,898555	5,1335444	4,997802	4,91063	4,706778	5,305336
39,6461014	up	noncoding	TCONS_00023590	10,195029	10,319781	9,392631	8,087448	9,447273	3,5404317	4,1405888	2,842094	6,8161826	3,5573294
3,4137796	up	noncoding	TCONS_00013641	8,578179	7,7952147	8,294774	8,273853	9,01563	6,6018214	6,371409	6,4778714	6,914332	6,7353673
9,1968804	up	noncoding	TCONS_00011926	5,9496255	4,4069033	5,6495967	5,817622	6,61175	2,913365	2,402045	2,3715568	2,3702428	2,372565
30,9086586	up	noncoding	ENST00000522357	7,428359	6,6782465	7,3782973	7,41867	8,074335	2,7118025	2,402045	2,3715568	2,3702428	2,372565

4,0571033	up	noncoding	ENST00000567765	6,676546	6,9357276	6,4363194	4,964655	5,786771	3,528669	3,9724193	4,3417964	4,1768827	4,6780014
2,0801559	up	noncoding	NR_046352	7,6828494	7,868532	7,7134423	8,617475	7,2294855	6,8543024	6,815851	6,9191847	6,4167576	6,8222303
2,0801559	up	noncoding	NR_046352	7,6828494	7,868532	7,7134423	8,617475	7,2294855	6,8543024	6,815851	6,9191847	6,4167576	6,8222303
2,0801559	up	noncoding	NR_046352	7,6828494	7,868532	7,7134423	8,617475	7,2294855	6,8543024	6,815851	6,9191847	6,4167576	6,8222303
17,5689738	up	noncoding	ENST00000563647	11,332478	11,004677	11,199787	11,379695	11,559026	7,2507133	7,346624	7,333891	6,8079386	7,061706
2,465625	up	noncoding	uc001vdv.3	8,253404	7,903058	8,191841	8,653621	8,644816	7,0085225	6,8645678	6,8928795	7,4947824	6,8762207
6,8548345	up	noncoding	uc003kit.3	5,4279175	4,799525	5,256383	4,9411693	5,988106	3,011082	2,402045	2,3715568	2,3702428	2,372565
3,0051677	up	noncoding	ENST00000444568	6,7197337	6,690426	6,6627107	6,16282	6,3374295	4,4588566	4,3549533	4,8737836	5,4886	5,459699
3,3492726	up	noncoding	ENST00000521433	5,366794	4,645857	5,366552	5,3398323	5,888403	3,7114499	3,739222	3,0775933	2,6626155	4,6973186
2,0144883	up	noncoding	ENST00000503709	10,853294	10,475844	10,803981	10,608221	10,977146	9,813606	9,729368	9,507885	9,728291	9,887269
8,1738884	up	noncoding	NR_002612	7,445226	6,586029	7,1891327	7,1929727	7,872937	3,8942044	4,6011066	4,247818	4,318129	4,0699267
8,1738884	up	noncoding	NR_002612	7,445226	6,586029	7,1891327	7,1929727	7,872937	3,8942044	4,6011066	4,247818	4,318129	4,0699267
8,1738884	up	noncoding	NR_002612	7,445226	6,586029	7,1891327	7,1929727	7,872937	3,8942044	4,6011066	4,247818	4,318129	4,0699267
8,1738884	up	noncoding	NR_002612	7,445226	6,586029	7,1891327	7,1929727	7,872937	3,8942044	4,6011066	4,247818	4,318129	4,0699267
8,1738884	up	noncoding	NR_002612	7,445226	6,586029	7,1891327	7,1929727	7,872937	3,8942044	4,6011066	4,247818	4,318129	4,0699267
8,1738884	up	noncoding	NR_002612	7,445226	6,586029	7,1891327	7,1929727	7,872937	3,8942044	4,6011066	4,247818	4,318129	4,0699267
6,3215873	up	noncoding	ENST00000419029	9,069847	7,732546	8,874105	10,456155	9,698439	6,789626	7,1256013	6,6947684	5,799737	6,119925
7,6036065	up	noncoding	ENST00000520431	6,0950527	5,5800714	5,7746563	5,490624	5,8657513	3,3427591	2,402045	3,0671172	2,392816	2,967999
3,2263173	up	noncoding	TCONS_00016459	6,605391	6,374896	6,6143327	6,8194246	6,8516126	4,85085	4,461018	4,8717656	5,5286703	5,1039114
2,0513887	up	noncoding	ENST00000508187	5,3324738	4,5638914	5,020669	4,6778326	4,8382425	4,134839	3,8863451	3,518013	3,98171	3,7291977
2,0513887	up	noncoding	ENST00000508187	5,3324738	4,5638914	5,020669	4,6778326	4,8382425	4,134839	3,8863451	3,518013	3,98171	3,7291977
2,0513887	up	noncoding	ENST00000508187	5,3324738	4,5638914	5,020669	4,6778326	4,8382425	4,134839	3,8863451	3,518013	3,98171	3,7291977
10,4189577	up	noncoding	ENST00000433770	7,1750145	7,0731225	6,922565	6,703299	7,6099124	3,4677658	4,4173627	3,503535	3,4895298	3,7000248
2,0030207	up	noncoding	ENST00000478167	4,3495407	4,524086	4,435164	3,5038698	4,501127	2,5559516	2,7665439	3,3668995	3,4743295	4,1391764
8,7196879	up	noncoding	NR_038236	9,145768	9,917733	9,14352	6,681902	7,0381217	5,591251	5,722457	5,7344337	4,3749795	4,882541
2,9421688	up	noncoding	ENST00000562613	6,408779	6,3607073	6,5582466	6,371295	6,264003	5,16096	4,1171913	5,014938	5,0162015	4,86934
5,2080572	up	noncoding	ENST00000426501	5,9526367	5,228124	5,5666113	5,265955	6,2677593	4,1480637	2,8797212	3,5787299	2,4651797	3,3056653
5,6793444	up	noncoding	ENST00000522618	8,9345	7,9434013	8,7663765	8,753293	9,467077	6,0373335	6,227867	6,22976	6,3368173	6,504248
2,0215031	up	noncoding	ENST00000414042	9,33597	8,363355	9,01694	9,428488	10,123934	8,20822	8,2975645	8,237984	8,2975645	8,150212
2,0215031	up	noncoding	ENST00000414042	9,33597	8,363355	9,01694	9,428488	10,123934	8,20822	8,2975645	8,237984	8,2975645	8,150212
78,4703625	up	noncoding	ENST00000444114	9,0553665	8,917692	9,042291	8,9789915	9,303044	2,5937517	2,402045	3,1499832	2,5791056	3,1021197
2,5477211	up	noncoding	NR_002809	9,351195	9,347462	9,338728	9,04166	9,605675	8,210445	8,418377	8,140563	7,3351192	7,834179
5,5709358	up	noncoding	uc003tda.1	7,874708	8,178716	7,9757557	7,3460426	7,738735	5,141337	5,5062556	5,0515313	5,222531	5,802704
2,7990634	up	noncoding	NR_047535	6,0798125	5,643109	6,0912623	6,3855376	6,517574	4,171864	4,7871637	4,399595	5,42646	4,507492
2,7990634	up	noncoding	NR_047535	6,0798125	5,643109	6,0912623	6,3855376	6,517574	4,171864	4,7871637	4,399595	5,42646	4,507492
7,8898909	up	noncoding	NR_037595	7,9773893	8,221492	8,004353	7,2920322	7,827545	4,993666	5,176612	5,0465655	4,0760465	5,1298947
2,5003938	up	noncoding	NR_046412	5,392066	5,121735	5,7078595	4,342754	6,2370033	3,9598916	3,4502146	4,017539	3,860457	4,902539
2,5003938	up	noncoding	NR_046412	5,392066	5,121735	5,7078595	4,342754	6,2370033	3,9598916	3,4502146	4,017539	3,860457	4,902539
4,9514144	up	noncoding	ENST00000521412	11,088882	10,445112	10,4942255	13,282093	11,009697	8,667004	8,909943	8,639625	10,111848	8,452386
2,4274693	up	noncoding	AW450413	4,9087524	4,8083053	5,064738	4,6832743	5,038	2,9765415	3,1638968	3,329525	4,8249044	3,810937
4,0030216	up	noncoding	ENST00000420472	5,770294	5,9721265	5,747265	4,989937	5,7469277	2,6700518	3,8884826	3,8065708	3,97415	3,881848
4,0138425	up	noncoding	ENST00000450445	10,741779	10,39599	10,619223	10,831545	11,093391	8,564899	8,759148	8,757511	8,637002	8,938448
3,7982681	up	noncoding	TCONS_00001386	6,269783	5,808895	6,304618	5,857873	6,512133	4,0635295	4,181373	4,218915	4,4310727	4,231703
2,8511009	up	noncoding	NR_038319	8,507984	7,887697	8,316744	10,338784	8,994053	7,4956374	7,5768423	7,369088	7,0356617	7,010437
2,8511009	up	noncoding	NR_038319	8,507984	7,887697	8,316744	10,338784	8,994053	7,4956374	7,5768423	7,369088	7,0356617	7,010437
2,8511009	up	noncoding	NR_038319	8,507984	7,887697	8,316744	10,338784	8,994053	7,4956374	7,5768423	7,369088	7,0356617	7,010437
2,8511009	up	noncoding	NR_038319	8,507984	7,887697	8,316744	10,338784	8,994053	7,4956374	7,5768423	7,369088	7,0356617	7,010437
2,8511009	up	noncoding	NR_038319	8,507984	7,887697	8,316744	10,338784	8,994053	7,4956374	7,5768423	7,369088	7,0356617	7,010437
2,8511009	up	noncoding	NR_038319	8,507984	7,887697	8,316744	10,338784	8,994053	7,4956374	7,5768423	7,369088	7,0356617	7,010437
4,1975073	up	noncoding	ENST00000568143	6,2682614	5,66729	6,115167	6,6302066	6,8612638	3,9165246	4,688161	3,5311012	5,318379	3,7403588
2,633764	up	noncoding	ENST00000366187	8,685825	9,104277	8,6179905	7,6459594	7,9780045	7,2958555	7,0750456	7,1781583	6,4925117	7,004855
12,4103732	up	noncoding	ENST00000417267	9,851687	8,461599	9,676904	10,322884	10,678452	6,08584	5,997238	6,1497173	6,2897663	6,3015914
2,2168756	up	noncoding	ENST00000429706	5,630063	5,815487	5,8339424	5,3966084	5,2299657	4,994543	4,1890087	4,4334664	3,7581542	4,788255
2,2168756	up	noncoding	ENST00000429706	5,630063	5,815487	5,8339424	5,3966084	5,2299657	4,994543	4,1890087	4,4334664	3,7581542	4,788255
3,1489195	up	noncoding	ENST00000437032	6,417209	6,2371063	6,363056	6,60935	6,430975	4,3584547	4,421816	4,560305	5,303957	5,1388793
3,1489195	up	noncoding	ENST00000437032	6,417209	6,2371063	6,363056	6,60935	6,430975	4,3584547	4,421816	4,560305	5,303957	5,1388793
3,1489195	up	noncoding	ENST00000437032	6,417209	6,2371063	6,363056	6,60935	6,430975	4,3584547	4,421816	4,560305	5,303957	5,1388793
3,1489195	up	noncoding	ENST00000437032	6,417209	6,2371063	6,363056	6,60935	6,430975	4,3584547	4,421816	4,560305	5,303957	5,1388793
3,1489195	up	noncoding	ENST00000437032	6,417209	6,2371063	6,363056	6,60935	6,430975	4,3584547	4,421816	4,560305	5,303957	5,1388793
5,6915962	up	noncoding	ENST00000421331	6,2861505	6,0669966	6,4143147	5,9397006	6,3516827	3,482791	3,5681481	3,5538044	3,8414001	4,068535
5,6915962	up	noncoding	ENST00000421331	6,2861505	6,0669966	6,4143147	5,9397006	6,3516827	3,482791	3,5681481	3,5538044	3,8414001	4,068535
3,0157969	up	noncoding	ENST00000554254	5,870758	6,752222	6,1192274	5,272908	5,2764683	4,437533	4,1833005	4,251683	4,3643613	4,0920095
3,0157969	up	noncoding	ENST00000554254	5,870758	6,752222	6,1192274	5,272908	5,2764683	4,437533	4,1833005	4,251683	4,3643613	4,0920095
3,0157969	up	noncoding	ENST00000554254	5,870758	6,752222	6,1192274	5,272908	5,2764683	4,437533	4,1833005	4,251683	4,3643613	4,0920095
2,3787697	up	noncoding	uc001uhw.3	10,070533	10,380511	10,086489	9,343688	9,763404	8,767999	8,745497	8,690616	8,596395	8,59304
2,9936968	up	noncoding	ENST00000507639	5,8308344	4,6596527	4,9112763	5,5506	5,252536	2,8729186	3,2046893	3,776866	4,31049	4,130295
2,682591	up	noncoding	ENST00000549762	6,266806	6,6237516	6,2607193	7,4616623	6,139552	4,226019	5,079819	4,7705016	6,890134	4,667882
2,682591	up	noncoding	ENST00000549762	6,266806	6,6237516	6,2607193	7,4616623	6,139552	4,226019	5,079819	4,7705016	6,890134	4,667882
2,682591	up	noncoding	ENST00000549762	6,266806	6,6237516	6,2607193	7,4616623	6,139552	4,226019	5,079819	4,7705016	6,890134	4,667882
2,682591	up	noncoding	ENST00000549762	6,266806	6,6237516	6,2607193	7,4616623	6,139552	4,226019	5,079819	4,7705016	6,890134	4,667882

2,682591	up	noncoding	ENST00000549762	6,266806	6,6237516	6,2607193	7,4616623	6,139552	4,226019	5,079819	4,7705016	6,890134	4,667882
2,682591	up	noncoding	ENST00000549762	6,266806	6,6237516	6,2607193	7,4616623	6,139552	4,226019	5,079819	4,7705016	6,890134	4,667882
5,487735	up	noncoding	ENST00000467896	5,2141147	4,8291225	5,310966	5,1380625	5,608386	2,5250738	3,2205672	2,3715568	2,9019232	2,8004766
3,5548389	up	noncoding	ENST00000482052	6,3973265	5,9902153	6,167947	6,310112	6,723683	4,724335	4,990453	4,3227353	4,20861	4,1942296
7,6597395	up	noncoding	ENST00000456459	6,148896	5,7014904	6,19357	6,534394	6,1323624	3,4832127	2,402045	3,1784425	3,5608914	3,3996446
7,6597395	up	noncoding	ENST00000456459	6,148896	5,7014904	6,19357	6,534394	6,1323624	3,4832127	2,402045	3,1784425	3,5608914	3,3996446
41,5299175	up	noncoding	ENST00000417917	14,643172	12,956864	14,449137	15,2379265	15,304104	9,312125	9,146183	8,96343	9,252191	9,036879
2,2321123	up	noncoding	ENST00000490269	4,5091505	3,7874937	4,4862957	4,3946424	4,2266808	2,6705787	2,402045	2,7193055	3,853117	3,9671688
3,6604726	up	noncoding	NR_046391	4,866211	4,733761	5,2705116	5,2602935	4,606092	3,3638697	2,7059326	2,3715568	3,6796603	3,2557
2,4403897	up	noncoding	ENST00000441214	4,385379	4,082261	4,183804	6,306968	4,2827797	3,1935446	2,402045	3,8776493	3,5890832	3,743312
2,0352302	up	noncoding	ENST00000511693	8,189193	8,545621	8,240152	7,6745605	7,8765426	7,204891	7,1566567	7,154012	6,811241	7,0733085
2,4920042	up	noncoding	ENST00000563521	5,7036424	5,6787086	5,785088	5,805034	6,073789	4,459439	3,5294096	4,509729	4,860212	5,1009398
2,2298835	up	noncoding	ENST00000569574	6,74687	6,6187196	6,671666	6,8885083	7,038838	6,118726	5,756849	5,3207054	5,2205896	5,7628903
5,1721896	up	noncoding	NR_038460	5,862585	6,152031	5,813555	5,4695454	5,440137	3,4809039	3,992873	3,1499205	3,103519	3,1567612
20,6482719	up	noncoding	TCONS_00009857	12,025921	12,364385	11,76358	10,820583	11,544477	7,4391346	6,681902	6,3314757	9,459338	6,76735
3,6378783	up	noncoding	uc003xcr.3	9,905046	10,017812	9,77069	9,217159	9,639706	7,9997683	7,980764	7,997062	7,3891816	7,8681507
3,6378783	up	noncoding	uc003xcr.3	9,905046	10,017812	9,77069	9,217159	9,639706	7,9997683	7,980764	7,997062	7,3891816	7,8681507
3,6378783	up	noncoding	uc003xcr.3	9,905046	10,017812	9,77069	9,217159	9,639706	7,9997683	7,980764	7,997062	7,3891816	7,8681507
4,2843317	up	noncoding	TCONS_00012114	8,289511	8,152213	8,271687	8,286763	8,473796	5,8855443	6,137239	5,6397223	7,243937	6,0721765
2,7657566	up	noncoding	ENST00000435469	8,575384	8,838241	8,531581	7,897286	8,384915	7,122096	6,98715	6,917204	6,8686957	6,9938903
17,4198245	up	noncoding	ENST00000496593	6,6617603	6,313573	6,7059007	6,529758	7,2441444	3,2644057	2,402045	2,432587	2,3702428	2,372565
2,069901	up	noncoding	ENST00000527314	10,05845	9,385645	9,871242	9,763404	10,29555	8,666623	8,692856	8,43721	9,32228	9,007513
20,6426751	up	noncoding	ENST00000488647	7,005706	6,3242188	6,714236	6,834159	7,6606627	2,5990334	2,8316371	2,3715568	2,5264	2,372565
26,4407116	up	noncoding	ENST00000428533	7,5187507	6,6657276	7,300612	6,894478	7,920725	2,439495	2,402045	2,53021	2,9325328	2,372565
12,5107988	up	noncoding	ENST00000579368	8,155888	8,335927	8,096907	7,4181333	7,9328303	4,5580273	4,964171	4,8629107	3,554648	3,7744186
12,5107988	up	noncoding	ENST00000579368	8,155888	8,335927	8,096907	7,4181333	7,9328303	4,5580273	4,964171	4,8629107	3,554648	3,7744186
3,10154	up	noncoding	TCONS_00001093	6,231973	5,8286657	6,0191994	6,076331	6,4593105	4,6681075	4,009209	4,8215895	4,299	4,65265
3,3291369	up	noncoding	ENST00000438113	8,324534	7,6401253	8,287825	7,6461086	8,579588	6,1968827	6,1876345	6,015347	7,091799	6,3107767
36,967374	up	noncoding	AL512723	7,9937806	7,5888	7,7905474	7,3364453	8,279672	3,4319324	2,402045	2,3715568	2,3702428	2,372565
2,0068263	up	noncoding	ENST00000515688	7,5777164	7,5493464	7,2020454	6,727534	7,489165	6,3179016	6,352004	6,4447656	5,6248956	6,7816615