

**Supplementary Table 4. Co-expression network between breast cancer patients and controls.**

gene1	lncRNA	gene2	COR	Z-score	P-value
APOBEC3B	ENST00000390540.2	ENSG00000254140.1	0.804625965	1.79628287	0.072449541
APOBEC3B	ENST00000413969.1	ENSG00000224189.2	-0.89532516	-1.972908339	0.048506006
APOBEC3B	ENST00000414377.1	ENSG00000230470.1	-0.873370622	-1.932920095	0.053246042
APOBEC3B	ENST00000415106.1	ENSG00000226733.1	-0.880158151	-1.99411181	0.046139837
APOBEC3B	ENST00000417782.1	ENSG00000228587.1	-0.842374873	-1.866115715	0.062025178
APOBEC3B	ENST00000418621.1	ENSG00000224731.1	-0.877901636	-1.970671432	0.04876147
APOBEC3B	ENST00000420830.1	ENSG00000231512.1	-0.881829911	-1.96467023	0.049452418
APOBEC3B	ENST00000421006.1	ENSG00000234548.1	-0.833449186	-1.870564706	0.06140544
APOBEC3B	ENST00000422763.1	ENSG00000231131.2	-0.800903293	-1.774748564	0.075939413
APOBEC3B	ENST00000426213.1	ENSG00000223660.1	0.814382743	1.827169145	0.067674342
APOBEC3B	ENST00000427524.1	ENSG00000236065.2	0.918835638	2.046525193	0.040704726
APOBEC3B	ENST00000428765.1	ENSG00000230107.1	0.815462707	1.847096872	0.064733102
APOBEC3B	ENST00000429080.1	ENSG00000233047.1	-0.819455149	-1.826237546	0.067814488
APOBEC3B	ENST00000433174.1	ENSG00000162947.4	-0.853885487	-1.895830576	0.057982451
APOBEC3B	ENST00000434292.1	ENSG00000229796.1	-0.837583282	-1.8740706	0.060920695
APOBEC3B	ENST00000435271.1	ENSG00000231132.1	0.852731951	1.929445184	0.053675619
APOBEC3B	ENST00000435832.1	ENSG00000229201.1	-0.958409914	-2.142540199	0.032150037
APOBEC3B	ENST00000437680.1	ENSG00000237133.1	0.967515599	2.156698228	0.031029185
APOBEC3B	ENST00000438850.1	ENSG00000267338.1	-0.83574481	-1.847761029	0.064636921
APOBEC3B	ENST00000438969.2	ENSG00000228031.2	-0.894224433	-2.007066193	0.044742615
APOBEC3B	ENST00000440038.2	ENSG00000237094.7	0.810162722	1.814658973	0.069576334
APOBEC3B	ENST00000448001.1	ENSG00000229639.1	-0.888010204	-1.984441433	0.047206651
APOBEC3B	ENST00000448431.1	ENSG00000232548.1	-0.876170926	-1.98707467	0.046914123
APOBEC3B	ENST00000448674.1	ENSG00000235119.1	0.838173102	1.872199346	0.06117903
APOBEC3B	ENST00000450206.1	ENSG00000234311.1	0.912169762	2.03081178	0.042274092
APOBEC3B	ENST00000450365.1	ENSG00000224404.1	-0.831977695	-1.843549117	0.065248877
APOBEC3B	ENST00000451556.2	ENSG00000228386.2	-0.846324169	-1.896355374	0.057913069
APOBEC3B	ENST00000451575.2	ENSG00000224251.2	-0.868290328	-1.93310478	0.053223291
APOBEC3B	ENST00000452553.1	ENSG00000233973.1	-0.811644576	-1.826709701	0.067743429
APOBEC3B	ENST00000453878.1	ENSG00000224850.1	-0.816437574	-1.815653126	0.069423599
APOBEC3B	ENST00000455416.1	ENSG00000229337.1	0.893292535	1.999244282	0.045581929
APOBEC3B	ENST00000457632.1	ENSG00000234248.1	-0.841906232	-1.889361659	0.058843385
APOBEC3B	ENST00000483283.1	ENSG00000240571.1	-0.807067624	-1.786374117	0.074038704
APOBEC3B	ENST00000502684.1	ENSG00000251670.1	0.808205864	1.818382207	0.069005736
APOBEC3B	ENST00000504017.1	ENSG00000248388.1	-0.803276738	-1.825266972	0.067960752
APOBEC3B	ENST00000505575.1	ENSG00000248939.1	0.841007174	1.887612876	0.05907794
APOBEC3B	ENST00000506059.1	ENSG00000248311.1	-0.82059974	-1.832679426	0.066850259
APOBEC3B	ENST00000508081.1	ENSG00000248254.1	0.865683561	1.943515511	0.051953903
APOBEC3B	ENST00000508191.1	ENSG00000250910.3	-0.8400599	-1.875433392	0.060733125
APOBEC3B	ENST00000508823.1	ENSG00000250716.1	-0.838404994	-1.883722283	0.059602551
APOBEC3B	ENST00000509629.1	ENSG00000250164.1	0.81248272	1.819981327	0.068761849
APOBEC3B	ENST00000513023.1	ENSG00000248809.1	-0.868519925	-1.962514499	0.049702614
APOBEC3B	ENST00000514802.1	ENSG00000250190.1	-0.906156995	-2.020799591	0.043300515
APOBEC3B	ENST00000518416.1	ENSG00000253901.1	-0.81276659	-1.819165692	0.068886155
APOBEC3B	ENST00000519005.1	ENSG00000253507.1	-0.835484177	-1.885578532	0.059351773
APOBEC3B	ENST00000519695.1	ENSG00000253507.1	-0.827415935	-1.839242294	0.065879556
APOBEC3B	ENST00000520192.1	ENSG00000253807.1	-0.834258858	-1.848937931	0.064466776
APOBEC3B	ENST00000521294.1	ENSG00000253664.1	0.937601515	2.119178248	0.034075406
APOBEC3B	ENST00000521378.1	ENSG00000254222.1	0.92615122	2.065474925	0.038878086

APOBEC3B	ENST00000522300.1	ENSG00000249484.4	-0.875475396	-1.974676133	0.048304913
APOBEC3B	ENST00000523806.1	ENSG00000253616.1	0.955672223	2.124871918	0.033597302
APOBEC3B	ENST00000523935.1	ENSG00000253567.1	-0.883176359	-1.992356171	0.046331993
APOBEC3B	ENST00000524133.1	ENSG00000253174.2	0.82383552	1.853762056	0.063773209
APOBEC3B	ENST00000524275.1	ENSG00000253507.1	-0.828423427	-1.855051056	0.063588936
APOBEC3B	ENST00000527100.1	ENSG00000255015.1	-0.898200786	-2.030811934	0.042274076
APOBEC3B	ENST00000527274.2	ENSG00000255517.2	0.91103676	2.036200029	0.041730273
APOBEC3B	ENST00000527727.1	ENSG00000255227.1	-0.92214621	-2.068829139	0.038562123
APOBEC3B	ENST00000529875.1	ENSG00000254404.1	0.916924892	2.038477542	0.041502199
APOBEC3B	ENST00000531157.1	ENSG00000254754.1	-0.857184873	-1.906847202	0.056540377
APOBEC3B	ENST00000535315.1	ENSG00000250748.2	-0.970602857	-2.201964653	0.027667805
APOBEC3B	ENST00000536529.1	ENSG00000256422.1	-0.905783077	-2.031552107	0.042199019
APOBEC3B	ENST00000538641.1	ENSG00000256422.1	-0.915010969	-2.051282781	0.040239416
APOBEC3B	ENST00000541391.1	ENSG00000256268.1	-0.971563132	-2.156768613	0.031023698
APOBEC3B	ENST00000549329.1	ENSG00000224189.2	-0.845589971	-1.896984934	0.057829927
APOBEC3B	ENST00000549616.1	ENSG00000258168.1	-0.938920353	-2.091849298	0.036451999
APOBEC3B	ENST00000550805.1	ENSG00000244306.5	0.838225973	1.88216334	0.059813842
APOBEC3B	ENST00000552156.1	ENSG00000224189.2	-0.804728071	-1.800856415	0.071725514
APOBEC3B	ENST00000552261.1	ENSG00000257959.1	-0.92379461	-2.074631858	0.038020667
APOBEC3B	ENST00000552541.1	ENSG00000258294.1	-0.9086027	-2.01481127	0.043924428
APOBEC3B	ENST00000552634.1	ENSG00000257496.1	0.839590001	1.890498718	0.058691292
APOBEC3B	ENST00000553477.1	ENSG00000259123.1	-0.957299476	-2.1158283	0.034359413
APOBEC3B	ENST00000555636.1	ENSG00000259072.1	-0.844074479	-1.846439003	0.064828488
APOBEC3B	ENST00000555913.1	ENSG00000259077.1	-0.884468964	-1.992784367	0.046285064
APOBEC3B	ENST00000556458.1	ENSG00000258504.2	0.894465142	1.994683095	0.046077454
APOBEC3B	ENST00000557368.1	ENSG00000258444.1	0.910206588	2.024487916	0.042919974
APOBEC3B	ENST00000557903.1	ENSG00000259182.1	-0.809785875	-1.816959465	0.06922332
APOBEC3B	ENST00000558221.1	ENSG00000259704.1	0.877494505	1.9574824	0.050290779
APOBEC3B	ENST00000563855.1	ENSG00000260658.1	-0.85111173	-1.908838938	0.056282872
APOBEC3B	ENST00000564809.1	ENSG00000261471.1	0.815463657	1.851802229	0.064054228
APOBEC3B	ENST00000565310.1	ENSG00000261118.1	0.804067651	1.788536196	0.073689541
APOBEC3B	ENST00000565735.1	ENSG00000261213.1	-0.870848614	-1.935370175	0.052944887
APOBEC3B	ENST00000568410.1	ENSG00000260277.1	-0.81770057	-1.816463091	0.069299365
APOBEC3B	ENST00000569313.1	ENSG00000261604.1	-0.880917709	-1.965205273	0.049390484
APOBEC3B	ENST00000569849.1	ENSG00000260640.1	-0.900540173	-2.021158123	0.043263399
APOBEC3B	ENST00000572417.1	ENSG00000263171.1	-0.936611965	-2.099996115	0.035729183
APOBEC3B	ENST00000573861.1	ENSG00000263320.1	-0.80781845	-1.814691695	0.069571302
APOBEC3B	ENST00000576021.1	ENSG00000262413.1	0.841834769	1.868457346	0.06169835
APOBEC3B	ENST00000578035.1	ENSG00000266743.1	0.916968639	2.04520483	0.040834669
APOBEC3B	ENST00000578349.1	ENSG00000263688.1	-0.865499471	-1.918894187	0.054997726
APOBEC3B	ENST00000578572.1	ENSG00000196295.7	-0.9204378	-2.075584762	0.037932372
APOBEC3B	ENST00000579775.1	ENSG00000264108.1	0.940372168	2.096387688	0.036047814
APOBEC3B	ENST00000581996.1	ENSG00000265778.1	-0.845937685	-1.901070863	0.057292731
APOBEC3B	ENST00000582348.1	ENSG00000265148.1	-0.856878337	-1.896438864	0.057902037
APOBEC3B	ENST00000586952.1	ENSG00000226994.3	-0.819166942	-1.844746325	0.065074449
APOBEC3B	ENST00000588177.1	ENSG00000234899.5	-0.860211432	-1.948527705	0.051351853
APOBEC3B	ENST00000589380.1	ENSG00000267488.1	0.866810885	1.921308216	0.054692862
APOBEC3B	ENST00000590357.1	ENSG00000267175.1	0.825058173	1.861388853	0.062689284
APOBEC3B	ENST00000591469.1	ENSG00000267374.1	-0.903036918	-2.004530597	0.045013253
APOBEC3B	ENST00000591621.1	ENSG00000232116.2	-0.95686605	-2.167061001	0.030230203
APOBEC3B	ENST00000592022.1	ENSG00000267383.2	-0.883139434	-1.966153731	0.049280855

APOBEC3B	ENST00000592431.1	ENSG00000267475.1	0.877122519	1.938555137	0.052555531
APOBEC3B	ENST00000592498.1	ENSG00000267488.1	0.867693362	1.946149286	0.05163681
APOBEC3B	ENST00000593175.1	ENSG00000229036.3	-0.935712008	-2.084903879	0.037078027
APOBEC3B	ENST00000593486.1	ENSG00000250910.3	-0.891049679	-1.97349034	0.048439724
APOBEC3B	ENST00000593599.1	ENSG00000231898.4	-0.862781482	-1.95385553	0.050718305
APOBEC3B	ENST00000594589.1	ENSG00000269321.1	0.897633158	2.025716358	0.042793859
APOBEC3B	ENST00000594762.1	ENSG00000231898.4	-0.805953673	-1.812000556	0.069986111
APOBEC3B	ENST00000594776.1	ENSG00000269807.1	0.841585589	1.889864988	0.058776019
APOBEC3B	ENST00000594850.1	ENSG00000268093.1	0.878059539	1.965631247	0.049341222
APOBEC3B	ENST00000596567.1	ENSG00000226647.2	-0.874707357	-1.967518965	0.049123412
APOBEC3B	ENST00000602790.1	ENSG00000270000.1	0.836921333	1.87810921	0.060366227
APOBEC3B	ENST00000602835.1	ENSG00000270096.1	-0.816051757	-1.811289183	0.070096099
APOBEC3B	ENST00000605692.1	ENSG00000270810.1	0.832649347	1.886008641	0.05929379
APOBEC3B	ENST00000605780.1	ENSG00000270755.1	0.879183772	1.957576937	0.050279676
APOBEC3B	ENST00000606869.1	ENSG00000272349.1	-0.855042946	-1.909315984	0.056221342
APOBEC3B	ENST00000606898.1	ENSG00000272094.1	0.91990619	2.068927585	0.038552883
APOBEC3B	ENST00000607715.1	ENSG00000271788.1	-0.837749648	-1.90152257	0.057233599
APOBEC3B	ENST00000607769.1	ENSG00000272438.1	0.813297107	1.80664986	0.07081689
APOBEC3B	ENST00000608943.1	ENSG00000273368.1	-0.892195278	-2.006949468	0.044755044
APOBEC3B	ENST00000609934.1	ENSG00000273271.1	-0.903249343	-2.001253217	0.045365109
APOBEC3B	ENST00000609952.1	ENSG00000233766.3	-0.928613801	-2.080097142	0.037516624
APOBEC3B	NR_027402.1	FAM223B	0.842834347	1.86553501	0.06210645
APOBEC3B	NR_033914.1	LINC00254	-0.958454413	-2.123770869	0.033689308
APOBEC3B	NR_038194.1	LINC00583	-0.831148829	-1.870238432	0.061450715
APOBEC3B	NR_040049.1	SDCBP2-AS1	0.822981327	1.855036081	0.063591074
APOBEC3B	NR_046845.1	DNM3-IT1	-0.833948303	-1.866215276	0.062011253
APOBEC3B	NR_046871.1	LINC00333	-0.904172028	-2.014930012	0.043911983
APOBEC3B	NR_047698.1	VWC2L-IT1	-0.834223182	-1.863160731	0.062439656
APOBEC3B	NR_103776.1	CHRM3-AS2	-0.931494044	-2.077560037	0.0377499
APOBEC3B	NR_104620.1	LINC01672	-0.801561041	-1.771516444	0.076474861
APOBEC3B	NR_104998.1	LOC102467225	-0.832891883	-1.8657349	0.062078464
APOBEC3B	NR_109877.1	LINC01470	-0.850713131	-1.930090251	0.053595656
APOBEC3B	NR_110123.1	GRM7-AS3	-0.853176854	-1.882137912	0.059817293
APOBEC3B	NR_110824.1	LINC01986	-0.994984939	-2.244395102	0.024806991
APOBEC3B	NR_125849.1	LOC101928140	-0.840248996	-1.909384174	0.056212551
APOBEC3B	NR_131204.1	XACT	0.94320223	2.098479203	0.035862835
APOBEC3B	NR_133930.1	LOC105375556	-0.907851691	-2.007481643	0.044698403
APOBEC3B	NR_134632.1	LOC105373051	0.931685948	2.069211406	0.038526253
APOBEC3B	NR_135040.1	LOC101927038	0.81558874	1.820905832	0.068621172
APOBEC3B	NR_135041.1	LOC101927038	0.824993028	1.823562653	0.068218217
APOBEC3B	NR_135549.1	LOC101929411	-0.952627944	-2.140351789	0.032326348
APOBEC3B	NR_135840.1	LOC105376114	-0.801544242	-1.77701829	0.075565231
APOBEC3B	NR_136215.1	VCAN-AS1	-0.895154989	-2.030157948	0.042340487
APOBEC3B	NR_136218.1	MEF2C-AS1	-0.908964861	-2.013694466	0.044041621
APOBEC3B	NR_136320.1	LOC105373656	0.882346393	1.952544066	0.050873644
ARG1	ENST00000295549.4	ENSG00000163364.5	0.904983851	2.017135814	0.043681342
ARG1	ENST00000412896.1	ENSG00000197585.5	-0.827078435	-1.829732598	0.067289934
ARG1	ENST00000413969.1	ENSG00000224189.2	0.824433159	1.823131633	0.068283457
ARG1	ENST00000413989.1	ENSG00000242628.1	0.801631202	1.790011027	0.073452139
ARG1	ENST00000414992.1	ENSG00000233613.1	-0.826314535	-1.853990908	0.063740461
ARG1	ENST00000416641.1	ENSG00000226956.1	-0.839588924	-1.904778299	0.056808896

ARG1	ENST00000417315.1	ENSG00000242486.1	-0.891466845	-1.996965251	0.045828958
ARG1	ENST00000417782.1	ENSG00000228587.1	0.802487574	1.832889898	0.066818946
ARG1	ENST00000418621.1	ENSG00000224731.1	0.955028369	2.138903421	0.032443491
ARG1	ENST00000420830.1	ENSG00000231512.1	0.844932954	1.890169905	0.05873524
ARG1	ENST00000421597.1	ENSG00000227851.1	0.950485901	2.133324337	0.032898129
ARG1	ENST00000426125.1	ENSG00000223653.1	0.829760324	1.86283855	0.062484985
ARG1	ENST00000426444.1	ENSG00000239395.1	0.889574994	1.987256423	0.046893988
ARG1	ENST00000428160.1	ENSG00000236897.1	0.967430297	2.172095729	0.029848443
ARG1	ENST00000428853.2	ENSG00000229206.2	0.911493796	2.039729773	0.041377248
ARG1	ENST00000430842.1	ENSG00000230433.1	-0.913155542	-2.034515995	0.041899598
ARG1	ENST00000433174.1	ENSG00000162947.4	0.848804527	1.880562619	0.060031441
ARG1	ENST00000434292.1	ENSG00000229796.1	0.890062745	1.979360256	0.04777546
ARG1	ENST00000434493.1	ENSG00000224605.1	0.817033184	1.83456553	0.06657009
ARG1	ENST00000435271.1	ENSG00000231132.1	-0.87903307	-1.950843384	0.051075679
ARG1	ENST00000437680.1	ENSG00000237133.1	-0.819657294	-1.835104181	0.066490255
ARG1	ENST00000438850.1	ENSG00000267338.1	0.838345677	1.859446812	0.062963832
ARG1	ENST00000441029.2	ENSG00000229188.2	-0.918892614	-2.072739445	0.038196535
ARG1	ENST00000442831.1	ENSG00000229550.1	-0.89232637	-1.969990546	0.048839454
ARG1	ENST00000442852.1	ENSG00000237923.1	-0.850098564	-1.895736683	0.057994872
ARG1	ENST00000443306.1	ENSG00000233891.3	0.864812537	1.899985858	0.057434976
ARG1	ENST00000445233.1	ENSG00000233928.1	0.860372444	1.904735435	0.05681447
ARG1	ENST00000447111.1	ENSG00000231903.1	0.857021074	1.940769484	0.052286244
ARG1	ENST00000447183.2	ENSG00000271593.1	0.887127988	1.992939217	0.046268103
ARG1	ENST00000447709.1	ENSG00000237473.1	0.855613773	1.919728519	0.0548922
ARG1	ENST00000448001.1	ENSG00000229639.1	0.870853144	1.923809919	0.054378414
ARG1	ENST00000450206.1	ENSG00000234311.1	-0.808113202	-1.804436502	0.071162905
ARG1	ENST00000451556.2	ENSG00000228386.2	0.839995677	1.880406487	0.0600527
ARG1	ENST00000453579.1	ENSG00000232529.1	0.951422817	2.104972922	0.035293665
ARG1	ENST00000453584.1	ENSG00000233613.1	-0.897952261	-2.01295005	0.044119884
ARG1	ENST00000454489.1	ENSG00000231403.1	0.85191702	1.895046357	0.05808626
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ATP5D	ENST00000414740.2	ENSG00000229646.2	0.821531757	1.833342002	0.066751727
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ATP5D	ENST00000504301.1	ENSG00000250696.1	-0.803292583	-1.785054867	0.074252418
ATP5D	ENST00000519852.1	ENSG00000253716.1	0.83250856	1.849785051	0.064344536
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ATP5D	NR_040096.1	LOC643339	0.811005934	1.859721048	0.062925002
ATP5D	NR_046571.1	POTEH-AS1	0.899037284	2.016540137	0.043743526
ATP5D	NR_073552.1	LOC101059948	0.865245925	1.928856225	0.053748714
ATP5D	NR_104158.1	NRG1-IT1	0.908303487	2.039284131	0.041421679
ATP5D	NR_108036.1	CFAP58-AS1	0.803431823	1.78375731	0.074463109
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ATP5D	NR_121188.1	PGM5P3-AS1	-0.821571984	-1.830781686	0.067133135
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BOP1	NR_111951.1	LINC00869	0.907474797	2.040213966	0.041329019
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BOP1	NR_125849.1	LOC101928140	-0.839351012	-1.889815167	0.058782684
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BOP1	NR_130143.1	LOC104968399	0.908295786	2.031549178	0.042199316
BOP1	NR_134520.1	LOC727993	0.885025439	1.979879136	0.047717111
BOP1	NR_135024.1	LOC105369747	0.915506176	2.045908885	0.040765336
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BOP1	NR_135097.1	LOC105369443	-0.850904042	-1.915342532	0.055448835
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CCDC96	ENST00000607943.1	ENSG00000273188.1	0.863913463	1.947052858	0.051528398
CCDC96	ENST00000609972.1	ENSG00000230651.3	0.920400599	2.069691295	0.038481262
CCDC96	ENST00000610145.1	ENSG00000273175.1	0.913486535	2.054511764	0.039926186
CCDC96	NR_003604.2	ZFAS1	0.909023469	2.031042687	0.042250665
CCDC96	NR_003605.1	ZFAS1	0.979553567	2.214031512	0.026826611
CCDC96	NR_003606.2	ZFAS1	0.904778957	2.030202995	0.04233591
CCDC96	NR_026802.1	FAM74A4	0.855872892	1.904925803	0.056789717
CCDC96	NR_027271.1	CIRBP-AS1	0.899924504	1.99105137	0.04647524
CCDC96	NR_027334.2	MZF1-AS1	0.876095836	1.941542721	0.052192483
CCDC96	NR_028324.1	LINC01002	0.829205492	1.851633532	0.064078465
CCDC96	NR_036480.1	VPS9D1-AS1	0.898779096	2.00833924	0.044607255
CCDC96	NR_036658.1	ZFAS1	0.912137973	2.038558534	0.041494107
CCDC96	NR_037169.1	LOC100507547	0.860104411	1.934746995	0.05302135
CCDC96	NR_037170.1	LOC100507547	0.832724514	1.874856096	0.060812523
CCDC96	NR_044996.1	HCG23	0.945408448	2.115940264	0.034349888
CCDC96	NR_045114.1	PVRL3-AS1	-0.832068348	-1.863966706	0.06232638
CCDC96	NR_072981.1	LINC00957	0.926821653	2.072501933	0.038218656
CCDC96	NR_072982.1	LINC00957	0.923859716	2.048427844	0.040518096
CCDC96	NR_103790.1	LINC00581	-0.800730568	-1.806355317	0.070862856

CCDC96	NR_105010.1	LINC01333	0.951423084	2.138434789	0.032481471
CCDC96	NR_108036.1	CFAP58-AS1	0.953903622	2.160827348	0.030708679
CCDC96	NR_109886.1	RALY-AS1	0.882964796	1.937377456	0.05269922
CCDC96	NR_110998.1	FAM74A4	0.855872892	1.917202695	0.055212186
CCDC96	NR_120335.1	LOC101928414	0.878557775	1.961599119	0.049809175
CCDC96	NR_121188.1	PGM5P3-AS1	-0.87235821	-1.939139554	0.052484347
CCDC96	NR_121189.1	PGM5P3-AS1	-0.935867064	-2.089287728	0.03668183
CCDC96	NR_125957.1	LOC101928626	-0.889982126	-1.994545966	0.046092422
CCDC96	NR_126166.1	FAM74A7	0.906523404	2.042909555	0.041061392
CCDC96	NR_126522.1	EXOC3-AS1	0.827471494	1.816476079	0.069297374
CCDC96	NR_138084.1	HCG24	0.885055404	1.967451317	0.049131203
CCDC96	NR_144459.1	ARSD-AS1	0.892256706	2.007645383	0.044680988
CCL3L3	ENST00000411489.1	ENSG00000227112.1	0.826686329	1.835453379	0.066438541
CCL3L3	ENST00000418416.1	ENSG00000226218.1	0.917677307	2.072903472	0.038181264
CCL3L3	ENST00000418972.1	ENSG00000225044.1	0.82244045	1.854490021	0.063669087
CCL3L3	ENST00000422017.1	ENSG00000232227.1	0.850925739	1.874676899	0.060837187
CCL3L3	ENST00000433550.1	ENSG00000232227.1	0.849642512	1.896712153	0.057865939
CCL3L3	ENST00000435733.1	ENSG00000226377.1	-0.800500195	-1.782091329	0.07473434
CCL3L3	ENST00000442876.1	ENSG00000233894.1	0.827404562	1.856217013	0.063422632
CCL3L3	ENST00000452412.1	ENSG00000233860.1	-0.880931898	-1.96940988	0.048906042
CCL3L3	ENST00000454928.1	ENSG00000186148.7	-0.861902418	-1.935925393	0.052876839
CCL3L3	ENST00000487772.1	ENSG00000241754.1	-0.919886808	-2.040382391	0.041312254
CCL3L3	ENST00000502467.1	ENSG00000250530.1	0.860459621	1.911966035	0.055880551
CCL3L3	ENST00000510274.1	ENSG00000245864.2	0.922741941	2.091252847	0.036505404
CCL3L3	ENST00000535720.1	ENSG00000256364.1	-0.817560395	-1.836760546	0.066245253
CCL3L3	ENST00000535806.1	ENSG00000255817.1	-0.864125535	-1.915862381	0.055382615
CCL3L3	ENST00000537921.1	ENSG00000255966.1	-0.842632289	-1.905042227	0.056774582
CCL3L3	ENST00000544663.1	ENSG00000256281.1	-0.814365584	-1.825992698	0.067851362
CCL3L3	ENST00000562970.1	ENSG00000260145.1	-0.94794661	-2.119070389	0.034084519
CCL3L3	ENST00000567127.1	ENSG00000260264.1	0.864879936	1.918075058	0.055101495
CCL3L3	ENST00000577807.1	ENSG00000263427.1	-0.82677606	-1.849708214	0.064355616
CCL3L3	ENST00000580975.1	ENSG00000266237.1	-0.88306575	-1.990102288	0.046579669
CCL3L3	ENST00000583841.1	ENSG00000265148.1	-0.820887008	-1.841269549	0.065582068
CCL3L3	ENST00000584139.1	ENSG00000263388.1	0.818862831	1.822465639	0.068384363
CCL3L3	ENST00000596643.1	ENSG00000269439.1	-0.93059673	-2.097996611	0.035905445
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CCL3L3	ENST00000602597.1	ENSG00000269947.1	-0.931581918	-2.086272814	0.036953918
CCL3L3	NR_026962.1	TTC28-AS1	-0.828157411	-1.845088512	0.065024664
CCL3L3	NR_110846.1	LOC101928674	-0.891180991	-1.980894241	0.047603135
CCL3L3	NR_134565.1	LOC101928807	0.937512081	2.072363861	0.038231521
CCL3L3	NR_134576.1	LOC105372672	-0.818749167	-1.845120453	0.065020019
CCL3L3	NR_135274.1	LOC105370619	-0.855270357	-1.896946539	0.057834994
CCL3L3	NR_136407.1	LOC105371430	-0.884234029	-1.954910742	0.050593606
CCL3L3	NR_138038.1	LINC00677	-0.81928803	-1.824483068	0.068079074
CCL4L2	ENST00000390540.2	ENSG00000254140.1	0.928904797	2.087234388	0.036866952
CCL4L2	ENST00000415106.1	ENSG00000226733.1	-0.803178849	-1.784960147	0.074267781
CCL4L2	ENST00000415205.1	ENSG00000182057.4	0.918667412	2.047579803	0.04060119
CCL4L2	ENST00000421006.1	ENSG00000234548.1	-0.898174643	-2.015871972	0.043813365
CCL4L2	ENST00000422763.1	ENSG00000231131.2	-0.992556822	-2.225816282	0.02602649
CCL4L2	ENST00000425881.1	ENSG00000239636.1	0.987913633	2.211455294	0.027004324
CCL4L2	ENST00000426475.1	ENSG00000239467.1	0.887877564	1.984292073	0.047223289

CCL4L2	ENST00000427132.1	ENSG00000232121.1	0.889098387	1.995832901	0.045952114
CCL4L2	ENST00000431730.1	ENSG00000237401.2	0.833555757	1.869956053	0.061489921
CCL4L2	ENST00000433035.1	ENSG00000230483.1	0.800167665	1.789127576	0.073594272
CCL4L2	ENST00000434250.1	ENSG00000234055.1	0.910123269	1.999581592	0.045545463
CCL4L2	ENST00000437334.1	ENSG00000226134.1	0.841051815	1.881223748	0.059941489
CCL4L2	ENST00000437680.1	ENSG00000237133.1	0.850239396	1.905322259	0.056738194
CCL4L2	ENST00000438969.2	ENSG00000228031.2	-0.886351997	-1.976079655	0.048145756
CCL4L2	ENST00000439443.1	ENSG00000236911.2	0.863594741	1.955902017	0.050476698
CCL4L2	ENST00000440595.1	ENSG00000228265.1	0.842508637	1.894471046	0.058162514
CCL4L2	ENST00000441592.2	ENSG00000224078.8	0.900479304	2.010744917	0.044352407
CCL4L2	ENST00000446562.1	ENSG00000233896.1	0.936462111	2.085688693	0.037006831
CCL4L2	ENST00000448570.1	ENSG00000224549.1	0.848445194	1.903214664	0.05701254
CCL4L2	ENST00000448674.1	ENSG00000235119.1	0.853892332	1.876001316	0.060655099
CCL4L2	ENST00000450500.1	ENSG00000225790.1	0.939547272	2.126803998	0.033436372
CCL4L2	ENST00000451507.1	ENSG00000229539.1	0.872159682	1.957103928	0.050335251
CCL4L2	ENST00000452553.1	ENSG00000233973.1	-0.923643115	-2.050363386	0.040328983
CCL4L2	ENST00000455416.1	ENSG00000229337.1	0.924271614	2.083495496	0.037206082
CCL4L2	ENST00000456091.1	ENSG00000226985.1	0.910240351	2.009902408	0.044441519
CCL4L2	ENST00000457632.1	ENSG00000234248.1	-0.800493999	-1.787184516	0.073907671
CCL4L2	ENST00000485347.1	ENSG00000239991.1	0.81775442	1.813212511	0.069799051
CCL4L2	ENST00000488310.1	ENSG00000240449.1	0.902537101	2.031006225	0.042254363
CCL4L2	ENST00000489090.1	ENSG00000240045.1	-0.857993677	-1.924528265	0.054288401
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CCL4L2	ENST00000508081.1	ENSG00000248254.1	0.850713609	1.896602805	0.05788038
CCL4L2	ENST00000509453.1	ENSG00000249145.1	0.822020817	1.849985911	0.06431558
CCL4L2	ENST00000509629.1	ENSG00000250164.1	0.80334485	1.772267193	0.076350214
CCL4L2	ENST00000510570.1	ENSG00000250438.1	-0.804519757	-1.780051639	0.07506751
CCL4L2	ENST00000513023.1	ENSG00000248809.1	-0.835260108	-1.896457773	0.057899539
CCL4L2	ENST00000521378.1	ENSG00000254222.1	0.885766104	1.961463828	0.049824941
CCL4L2	ENST00000521653.1	ENSG00000253301.1	0.928221543	2.115162626	0.034416089
CCL4L2	ENST00000523806.1	ENSG00000253616.1	0.849714205	1.924234591	0.054325185
CCL4L2	ENST00000524133.1	ENSG00000253174.2	0.814357742	1.798728498	0.072061639
CCL4L2	ENST00000529247.1	ENSG00000254741.1	0.808554278	1.825377107	0.067944141
CCL4L2	ENST00000535315.1	ENSG00000250748.2	-0.861207979	-1.920466272	0.054799029
CCL4L2	ENST00000543403.1	ENSG00000256684.1	-0.888933337	-2.001656314	0.045321708
CCL4L2	ENST00000549616.1	ENSG00000258168.1	-0.856409271	-1.942842218	0.052035225
CCL4L2	ENST00000552378.1	ENSG00000257294.1	0.849686512	1.874345019	0.060882886
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CCL4L2	ENST00000555913.1	ENSG00000259077.1	-0.920902344	-2.064547909	0.038965796
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CCL4L2	ENST00000558221.1	ENSG00000259704.1	0.84099238	1.882874301	0.059717405
CCL4L2	ENST00000562191.1	ENSG00000261292.1	-0.89394603	-2.00356403	0.045116782
CCL4L2	ENST00000564809.1	ENSG00000261471.1	0.873789493	1.967282826	0.049150614
CCL4L2	ENST00000565310.1	ENSG00000261118.1	0.80340579	1.799282979	0.071973929
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CCL4L2	ENST00000565955.1	ENSG00000261055.1	0.853569188	1.908805183	0.056287228
CCL4L2	ENST00000568332.1	ENSG00000260256.1	0.805651421	1.795512259	0.072572121
CCL4L2	ENST00000571660.1	ENSG00000262848.1	0.93722951	2.068038556	0.038636398
CCL4L2	ENST00000572471.1	ENSG00000262721.1	0.837135646	1.850635417	0.064222021
CCL4L2	ENST00000573315.1	ENSG00000270168.1	0.952139083	2.111535329	0.034726325
CCL4L2	ENST00000576271.1	ENSG00000263342.1	0.879842226	1.978868774	0.047830783



CCL4L2	ENST00000579775.1	ENSG00000264108.1	0.900353618	2.042968121	0.041055594
CCL4L2	ENST00000580622.1	ENSG00000264634.1	0.974393239	2.17388853	0.029713508
CCL4L2	ENST00000582044.1	ENSG00000263715.2	0.885453367	1.975071442	0.048260041
CCL4L2	ENST00000585761.1	ENSG00000267198.1	0.941770002	2.097996831	0.035905425
CCL4L2	ENST00000586348.1	ENSG00000267198.1	0.958715294	2.14128957	0.032250694
CCL4L2	ENST00000589380.1	ENSG00000267488.1	0.986692151	2.23041407	0.025719966
CCL4L2	ENST00000589395.1	ENSG00000267143.1	0.875074852	1.947136627	0.051518357
CCL4L2	ENST00000591621.1	ENSG00000232116.2	-0.802687614	-1.809233175	0.070414786
CCL4L2	ENST00000592022.1	ENSG00000267383.2	-0.833105257	-1.842116041	0.065458178
CCL4L2	ENST00000592498.1	ENSG00000267488.1	0.960792091	2.144375765	0.03200279
CCL4L2	ENST00000592525.1	ENSG00000267214.1	0.957763775	2.144571187	0.031987148
CCL4L2	ENST00000593139.1	ENSG00000267042.1	0.884099178	2.02041512	0.043340346
CCL4L2	ENST00000593967.1	ENSG00000232732.5	0.901310703	1.998530432	0.045659184
CCL4L2	ENST00000594776.1	ENSG00000269807.1	0.893171134	2.006156527	0.04483955
CCL4L2	ENST00000594850.1	ENSG00000268093.1	0.950131285	2.106089113	0.035196612
CCL4L2	ENST00000596567.1	ENSG00000226647.2	-0.86565228	-1.957295787	0.050312703
CCL4L2	ENST00000596971.1	ENSG00000269463.1	0.962043518	2.155979679	0.031085252
CCL4L2	ENST00000597256.1	ENSG00000267986.1	0.80943664	1.814653807	0.069577128
CCL4L2	ENST00000597420.1	ENSG00000269564.1	0.815071468	1.816769852	0.069252361
CCL4L2	ENST00000600242.1	ENSG00000269583.1	0.86884301	1.935365099	0.052945509
CCL4L2	ENST00000602507.1	ENSG00000270069.1	-0.829326247	-1.839949902	0.065775593
CCL4L2	ENST00000603948.1	ENSG00000222041.6	0.949444735	2.088075992	0.03679098
CCL4L2	ENST00000604183.1	ENSG00000271185.1	0.856718545	1.92667488	0.05402016
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CCL4L2	ENST00000605780.1	ENSG00000270755.1	0.883448031	1.960993423	0.04987979
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CCL4L2	NR_026774.1	LINC00239	0.803855863	1.758398884	0.078679663
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CCL4L2	NR_026932.1	PDCD4-AS1	0.829243223	1.849643504	0.064364948
CCL4L2	NR_031762.2	HCP5B	0.830158635	1.881729043	0.059872814
CCL4L2	NR_034131.1	LINC00272	0.943098032	2.137133125	0.032587165
CCL4L2	NR_038923.1	SSSCA1-AS1	0.804749629	1.79139307	0.07323024
CCL4L2	NR_040047.1	SDCBP2-AS1	0.91029996	2.094116649	0.03624959
CCL4L2	NR_040049.1	SDCBP2-AS1	0.954192589	2.16083747	0.030707897
CCL4L2	NR_046224.1	LINC00659	0.802757655	1.789592271	0.073519482
CCL4L2	NR_046871.1	LINC00333	-0.849052156	-1.899979542	0.057435804
CCL4L2	NR_073155.1	Clorf145	-0.818167738	-1.833316088	0.066755578
CCL4L2	NR_102746.1	ROPN1L-AS1	0.886617967	1.961035524	0.049874879
CCL4L2	NR_108046.1	LINC00844	-0.844431613	-1.899752395	0.057465621
CCL4L2	NR_108106.1	LINC01135	0.823850605	1.830185811	0.067222159
CCL4L2	NR_109831.1	RASSF1-AS1	0.874607551	1.971844181	0.048627397
CCL4L2	NR_109885.1	RALY-AS1	0.824578207	1.843671488	0.065231031
CCL4L2	NR_110245.1	LOC101929282	-0.805469566	-1.808962237	0.07045687
CCL4L2	NR_110559.1	LOC101927023	-0.936655422	-2.080334025	0.037494906
CCL4L2	NR_110803.1	LOC101927018	0.819994339	1.849607538	0.064370136
CCL4L2	NR_110824.1	LINC01986	-0.844700907	-1.890453037	0.058697396
CCL4L2	NR_121624.1	LOC103352541	-0.805100771	-1.813381716	0.069772968

CCL4L2	NR_125849.1	LOC101928140	-0.839928548	-1.907754693	0.056422929
CCL4L2	NR_131204.1	XACT	0.925433946	2.070254481	0.03842852
CCL4L2	NR_134520.1	LOC727993	0.930389517	2.07495139	0.03799104
CCL4L2	NR_135097.1	LOC105369443	-0.888933337	-2.003622582	0.045110505
CCL4L2	NR_135816.1	LOC100996664	0.80866652	1.831592074	0.067012218
CCL4L2	NR_136215.1	VCAN-AS1	-0.918204635	-2.04803923	0.040556156
CCL4L2	NR_136320.1	LOC105373656	0.972779391	2.179629976	0.029284901
CD58	ENST00000318291.4	ENSG00000177406.4	0.929022031	2.095942788	0.036087266
CD58	ENST00000412759.1	ENSG00000236933.1	0.826907688	1.859088417	0.063014607
CD58	ENST00000412809.1	ENSG00000229938.1	-0.810410125	-1.770165554	0.076699566
CD58	ENST00000413353.1	ENSG00000232893.1	0.882054378	1.965645302	0.049339597
CD58	ENST00000413650.1	ENSG00000230880.2	0.83424121	1.872400453	0.061151222
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CD58	ENST00000423667.1	ENSG00000225970.1	0.848410718	1.892875328	0.058374451
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CD58	ENST00000433344.1	ENSG00000234083.1	-0.904679583	-1.997356995	0.045786416
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CD58	ENST00000435992.2	ENSG00000232675.3	0.850754297	1.875653842	0.060702828
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CD58	ENST00000439186.1	ENSG00000237076.1	0.890588716	1.961083753	0.049869254
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CD58	ENST00000444665.1	ENSG00000228852.2	0.812532448	1.831183938	0.067073093
CD58	ENST00000447206.1	ENSG00000230839.1	0.896244252	1.973906262	0.048392403
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CGA	ENST00000533938.1	ENSG00000255142.1	-0.997542618	-2.272239156	0.023072069
CGA	ENST00000535324.1	ENSG00000255968.1	0.805806204	1.808237243	0.070569584
CGA	ENST00000538294.1	ENSG00000250748.2	-0.952986302	-2.165085487	0.030381139
CGA	ENST00000547175.1	ENSG00000257395.1	-0.836479549	-1.860880381	0.062761071
CGA	ENST00000548748.1	ENSG00000258252.1	-0.970311036	-2.170346103	0.029980637
CGA	ENST00000549616.1	ENSG00000258168.1	0.870371992	1.952351354	0.050896504
CGA	ENST00000549756.1	ENSG00000257769.1	-0.89825787	-1.995679078	0.045968866
CGA	ENST00000550805.1	ENSG00000244306.5	-0.920196156	-2.076010063	0.03789302
CGA	ENST00000552558.1	ENSG00000257947.1	0.817936358	1.813695292	0.06972465
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CGA	ENST00000553477.1	ENSG00000259123.1	0.881141552	1.95424855	0.05067183
CGA	ENST00000553668.1	ENSG00000258733.1	0.911345256	2.034979484	0.041852937
CGA	ENST00000554430.1	ENSG00000258646.1	-0.816233271	-1.819753939	0.068796485
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CGA	ENST00000556458.1	ENSG00000258504.2	-0.931262707	-2.088518824	0.036751059
CGA	ENST00000556978.1	ENSG00000258693.1	0.805502328	1.801655469	0.071599628
CGA	ENST00000557368.1	ENSG00000258444.1	-0.818683191	-1.86991935	0.061495018
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CGA	ENST00000565271.1	ENSG00000261335.1	-0.926484274	-2.079952494	0.03752989
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CGA	ENST00000596567.1	ENSG00000226647.2	0.815383576	1.823783925	0.068184745
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CHCHD1	ENST00000576554.1	ENSG00000262413.1	0.827119726	1.861704261	0.062644788
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CHCHD1	ENST00000581940.1	ENSG00000265484.1	0.854825205	1.918387685	0.055061871
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CHCHD1	ENST00000585559.1	ENSG00000267117.1	0.880718993	1.980440061	0.047654102

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CHCHD1	NR_108036.1	CFAP58-AS1	0.949163809	2.106880752	0.035127917
CHCHD1	NR_110480.1	LOC101927079	0.871794862	1.950753824	0.051086337
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CSNK1A1L	ENST00000600512.1	ENSG00000269752.1	0.918118613	2.055449826	0.039835577
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CSNK1A1L	NR_028325.1	LOC100132062	0.890407241	1.998585921	0.045653175
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CXCL6	ENST00000413645.1	ENSG00000228798.1	0.962907625	2.165879641	0.030320385
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CXCL6	ENST00000476892.1	ENSG00000241345.1	0.868805184	1.96780771	0.049090167
CXCL6	ENST00000502300.1	ENSG00000249451.1	0.9670732	2.121564006	0.033874368
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CXCL6	ENST00000531627.1	ENSG00000254584.1	0.837678625	1.857300769	0.063268375
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CXCL6	ENST00000589233.1	ENSG00000231616.4	0.871563582	1.954880742	0.050597148
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CXCL6	NR_027401.2	FAM223A	0.86978618	1.945169184	0.051754619
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CXCL6	NR_049776.1	GPC5-AS1	0.843402156	1.877171673	0.060494569
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CXCL6	NR_110635.1	LINC00687	0.801134535	1.807328177	0.070711125
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DCXR	ENST00000295549.4	ENSG00000163364.5	0.884409292	1.970227539	0.048812299
DCXR	ENST00000412896.1	ENSG00000197585.5	-0.841710984	-1.890058517	0.058750134
DCXR	ENST00000413645.1	ENSG00000228798.1	0.859241337	1.942917919	0.052026076
DCXR	ENST00000413887.1	ENSG00000236948.1	-0.840736265	-1.865779034	0.062072287
DCXR	ENST00000418972.1	ENSG00000225044.1	-0.80974982	-1.827769013	0.067584226
DCXR	ENST00000419296.1	ENSG00000204588.5	-0.840806875	-1.871076708	0.06133445
DCXR	ENST00000420315.1	ENSG00000228072.1	0.838525576	1.891801324	0.058517457
DCXR	ENST00000420465.1	ENSG00000167355.3	0.836004714	1.869659862	0.061531067
DCXR	ENST00000426444.1	ENSG00000239395.1	0.949482594	2.125194606	0.033570378
DCXR	ENST00000426653.1	ENSG00000235704.1	0.911096869	2.042901121	0.041062227
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DCXR	ENST00000441029.2	ENSG00000229188.2	-0.912520201	-2.019955029	0.043388052
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DCXR	ENST00000443306.1	ENSG00000233891.3	0.848136935	1.903802745	0.056935879
DCXR	ENST00000447111.1	ENSG00000231903.1	0.880407028	1.948642772	0.0513381
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DEFA4	NR_026932.1	PDCD4-AS1	0.841225811	1.884255706	0.059530396
DEFA4	NR_033914.1	LINC00254	-0.809858254	-1.786963142	0.073943446
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DEFA4	NR_040049.1	SDCBP2-AS1	0.856229632	1.90032282	0.057390768
DEFA4	NR_040061.1	SRP14-AS1	0.857834249	1.920064685	0.054849729
DEFA4	NR_102746.1	ROPN1L-AS1	0.817776929	1.817584682	0.069127635
DEFA4	NR_104620.1	LINC01672	-0.902723328	-2.015601705	0.043841641
DEFA4	NR_104998.1	LOC102467225	-0.843932372	-1.919216017	0.054957001
DEFA4	NR_108046.1	LINC00844	-0.816124967	-1.828170522	0.067523964
DEFA4	NR_110370.1	STAM-AS1	0.809239794	1.79465777	0.072708243
DEFA4	NR_110559.1	LOC101927023	-0.810764887	-1.820307061	0.068712257
DEFA4	NR_110824.1	LINC01986	-0.899828754	-2.007784332	0.044666215
DEFA4	NR_126041.1	LOC101930071	0.877995353	1.995677582	0.045969029
DEFA4	NR_131204.1	XACT	0.899514221	2.010482046	0.044380195
DEFA4	NR_134632.1	LOC105373051	0.837116295	1.855631284	0.063506131
DEFA4	NR_135549.1	LOC101929411	-0.856251763	-1.904255874	0.056876868
DEFA4	NR_135840.1	LOC105376114	-0.822342512	-1.841286205	0.065579628
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DEFB107A	NR_102738.1	LINC00911	0.923309203	2.087166994	0.036873042
DEFB107A	NR_102746.1	ROPN1L-AS1	0.820325004	1.822434344	0.068389108

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DEFB107A	NR_110504.1	LOC101929572	0.958006442	2.121213285	0.033903858
DEFB107A	NR_120330.1	LOC101928227	0.812230758	1.80177391	0.071580984
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DEFB107A	NR_125407.1	LOC102724604	-0.820263698	-1.840609616	0.065678787
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DEFB107A	NR_125925.1	LOC101929448	-0.830016833	-1.884275204	0.05952776
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ELANE	NR_027334.2	MZF1-AS1	0.911515486	2.02128616	0.043250151
ELANE	NR_036480.1	VPS9D1-AS1	0.926905352	2.062513881	0.039158837
ELANE	NR_036658.1	ZFAS1	0.90325123	1.991926753	0.046379095
ELANE	NR_038421.1	LINC01220	0.935941362	2.089859975	0.03663038
ELANE	NR_038923.1	SSSCA1-AS1	0.840409971	1.880318769	0.060064647
ELANE	NR_073552.1	LOC101059948	0.811751745	1.803736445	0.071272633
ELANE	NR_104158.1	NRG1-IT1	0.834471221	1.847023551	0.064743727
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ELANE	NR_110556.1	LOC102724890	-0.832432722	-1.877202855	0.060490296
ELANE	NR_110630.1	LOC101927478	0.812731168	1.826583899	0.067762356
ELANE	NR_110919.1	LOC101928530	0.806668974	1.830381641	0.067192891
ELANE	NR_110998.1	FAM74A4	0.849974501	1.894437322	0.058166987
ELANE	NR_111951.1	LINC00869	0.878089637	1.951480674	0.050999893
ELANE	NR_111952.1	LINC00869	0.893812758	2.020819061	0.043298499
ELANE	NR_111953.1	LINC00869	0.868385035	1.955173547	0.05056259
ELANE	NR_121188.1	PGM5P3-AS1	-0.888578745	-2.001700553	0.045316947

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ELANE	NR_125957.1	LOC101928626	-0.808574598	-1.826378342	0.067793292
ELANE	NR_126522.1	EXOC3-AS1	0.850253362	1.93082608	0.053504564
ELANE	NR_130143.1	LOC104968399	0.835755483	1.891932012	0.05850004
ELANE	NR_135024.1	LOC105369747	0.825901704	1.859108987	0.063011692
ELANE	NR_135584.1	LOC101927596	0.808315717	1.787222969	0.073901458
ELANE	NR_144459.1	ARSD-AS1	0.885667911	1.971399999	0.048678141
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EXOSC4	ENST00000413991.1	ENSG00000237614.1	0.864268237	1.94682842	0.051555309
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EXOSC4	ENST00000435733.1	ENSG00000226377.1	0.808001164	1.810208064	0.070263528
EXOSC4	ENST00000435992.2	ENSG00000232675.3	0.876316262	1.982666963	0.047404642
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EXOSC4	ENST00000442069.1	ENSG00000225655.1	-0.870031062	-1.932659134	0.053278203
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EXOSC4	ENST00000454526.1	ENSG00000234136.1	0.836533024	1.87326493	0.06103181
EXOSC4	ENST00000455699.1	ENSG00000240996.1	0.80897259	1.802889281	0.071405605
EXOSC4	ENST00000455788.1	ENSG00000236263.1	0.821882348	1.816620798	0.069275197
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EXOSC4	ENST00000458364.1	ENSG00000225655.1	-0.844321736	-1.890515189	0.058689091
EXOSC4	ENST00000459985.1	ENSG00000273066.1	0.825759254	1.870168565	0.061460414
EXOSC4	ENST00000484413.1	ENSG00000271853.1	0.847170838	1.875030356	0.060788548
EXOSC4	ENST00000501405.2	ENSG00000247402.2	-0.888383747	-1.979923345	0.047712143
EXOSC4	ENST00000504891.1	ENSG00000249388.1	0.903893062	2.048786145	0.040483031
EXOSC4	ENST00000505498.1	ENSG00000250908.1	0.986160037	2.215441902	0.026729748
EXOSC4	ENST00000508083.1	ENSG00000249343.1	0.810508381	1.820156973	0.068735103
EXOSC4	ENST00000515128.1	ENSG00000248215.1	-0.800882919	-1.796376583	0.072434645
EXOSC4	ENST00000520749.1	ENSG00000253717.1	-0.91816556	-2.056293593	0.039754226
EXOSC4	ENST00000521307.1	ENSG00000253177.1	0.952425157	2.140275203	0.032332533
EXOSC4	ENST00000521953.1	ENSG00000253214.1	0.90602228	2.028353051	0.042524228
EXOSC4	ENST00000522600.1	ENSG00000246582.2	0.80049492	1.783907159	0.074438752
EXOSC4	ENST00000522704.1	ENSG00000254135.1	0.964881035	2.131802993	0.033023045
EXOSC4	ENST00000524818.1	ENSG00000254473.1	0.819019039	1.826227109	0.06781606
EXOSC4	ENST00000526611.1	ENSG00000246982.2	0.883082847	1.978195617	0.047906643
EXOSC4	ENST00000526935.1	ENSG00000255372.1	0.849215703	1.934298541	0.053076433
EXOSC4	ENST00000528887.1	ENSG00000254501.1	0.942952773	2.111523542	0.034727337
EXOSC4	ENST00000529837.1	ENSG00000254687.1	0.837407966	1.864580561	0.06224022
EXOSC4	ENST00000544089.1	ENSG00000256273.1	0.800098843	1.808109728	0.070589424
EXOSC4	ENST00000547834.1	ENSG00000258325.1	0.976284234	2.179381143	0.029303366
EXOSC4	ENST00000549140.1	ENSG00000258332.1	0.819449994	1.840134112	0.06574855
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EXOSC4	ENST00000555966.1	ENSG00000258843.1	0.823367941	1.829644573	0.067303104
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EXOSC4	ENST00000563841.1	ENSG00000261029.1	0.822632698	1.844740113	0.065075353
EXOSC4	ENST00000565823.1	ENSG00000260686.1	-0.855985252	-1.921557414	0.054661472
EXOSC4	ENST00000565965.1	ENSG00000261172.1	0.856280022	1.911573855	0.055930875
EXOSC4	ENST00000567089.1	ENSG00000261822.1	0.831017944	1.845800348	0.0649212
EXOSC4	ENST00000569981.1	ENSG00000238045.5	0.824660003	1.849185725	0.064430999
EXOSC4	ENST00000570493.2	ENSG00000261898.2	0.818080054	1.823697	0.068197893

EXOSC4	ENST00000570512.1	ENSG00000262768.1	0.952618455	2.154917034	0.031168327
EXOSC4	ENST00000570929.1	ENSG00000262223.2	0.832493332	1.880283015	0.060069517
EXOSC4	ENST00000576554.1	ENSG00000262413.1	0.980529795	2.209911776	0.027111286
EXOSC4	ENST00000577064.1	ENSG00000262823.1	0.809785314	1.789237002	0.073576655
EXOSC4	ENST00000577176.1	ENSG00000262823.1	0.891681424	2.013085318	0.044105655
EXOSC4	ENST00000577698.1	ENSG00000265100.1	0.962872225	2.158084997	0.030921224
EXOSC4	ENST00000584758.1	ENSG00000265356.1	0.815270425	1.816435979	0.06930352
EXOSC4	ENST00000585559.1	ENSG00000267117.1	0.889896	1.992082444	0.046362013
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EXOSC4	ENST00000588799.1	ENSG00000267275.1	0.880374029	1.998968106	0.045611805
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EXOSC4	ENST00000596643.1	ENSG00000269439.1	0.837576229	1.879190704	0.060218459
EXOSC4	ENST00000597309.1	ENSG00000232098.2	-0.906567232	-2.04046848	0.041303687
EXOSC4	ENST00000599259.1	ENSG00000269352.1	0.896237991	1.974858308	0.04828423
EXOSC4	ENST00000600489.1	ENSG00000231898.4	0.917507537	2.053228491	0.040050422
EXOSC4	ENST00000600534.1	ENSG00000267858.1	0.806206406	1.792782611	0.073007691
EXOSC4	ENST00000601692.1	ENSG00000267874.1	-0.851353736	-1.898452448	0.057636506
EXOSC4	ENST00000602872.1	ENSG00000270067.1	0.858378135	1.923481922	0.054419555
EXOSC4	ENST00000603474.1	ENSG00000258929.2	0.803333314	1.800684249	0.071752662
EXOSC4	ENST00000606470.1	ENSG00000271913.1	0.812120384	1.809936153	0.070305689
EXOSC4	ENST00000607222.1	ENSG00000272106.1	0.897430332	1.998857448	0.04562378
EXOSC4	ENST00000607284.1	ENSG00000272389.1	0.820815575	1.853538103	0.06380527
EXOSC4	ENST00000607839.1	ENSG00000272030.1	0.848203103	1.922847029	0.054499264
EXOSC4	ENST00000607876.1	ENSG00000272848.1	0.827943037	1.852682887	0.063927824
EXOSC4	ENST00000608476.1	ENSG00000232675.3	0.84853905	1.928576594	0.053783447
EXOSC4	ENST00000609610.1	ENSG00000232675.3	0.867167765	1.947747515	0.051445182
EXOSC4	ENST00000609701.1	ENSG00000273284.1	0.839295368	1.85863262	0.06307923
EXOSC4	ENST00000609972.1	ENSG00000230651.3	0.885997877	1.974098305	0.048370566
EXOSC4	ENST00000610145.1	ENSG00000273175.1	0.925465734	2.08534114	0.037038346
EXOSC4	ENST00000610161.1	ENSG00000273059.1	0.849659478	1.871815651	0.061232112
EXOSC4	NR_003605.1	ZFAS1	0.840073409	1.889805507	0.058783977
EXOSC4	NR_027334.2	MZF1-AS1	0.823135987	1.852667592	0.063930018
EXOSC4	NR_036480.1	VPS9D1-AS1	0.804485723	1.812533231	0.069903844
EXOSC4	NR_044996.1	HCG23	0.930685964	2.086187622	0.036961631
EXOSC4	NR_108036.1	CFAP58-AS1	0.921323579	2.080046209	0.037521295
EXOSC4	NR_110919.1	LOC101928530	0.850564408	1.89224677	0.058458109
EXOSC4	NR_120335.1	LOC101928414	0.800470066	1.78160022	0.074814448
EXOSC4	NR_121188.1	PGM5P3-AS1	-0.896565299	-1.982434626	0.047430617
EXOSC4	NR_121189.1	PGM5P3-AS1	-0.883805898	-1.988175246	0.046792312
EXOSC4	NR_126166.1	FAM74A7	0.907748696	2.03332689	0.042019508
EXOSC4	NR_134597.1	LOC105378068	0.858741061	1.94192576	0.052146088
EXOSC4	NR_135258.1	LOC105370489	0.897401217	1.982131137	0.047464565
EXOSC4	NR_144459.1	ARSD-AS1	0.82724156	1.847508905	0.064673419
F12	ENST00000318291.4	ENSG00000177406.4	0.839859295	1.892143315	0.058471889
F12	ENST00000411694.1	ENSG00000225331.1	0.860282587	1.941754399	0.05216684
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F12	ENST00000415205.1	ENSG00000182057.4	0.887720046	1.987863958	0.046826738
F12	ENST00000417260.1	ENSG00000231734.4	-0.951930156	-2.101573034	0.035590694
F12	ENST00000418387.1	ENSG00000235056.1	-0.920509467	-2.037578708	0.041592083
F12	ENST00000419662.1	ENSG00000228265.1	0.809612446	1.816298516	0.069324593
F12	ENST00000423428.1	ENSG00000224048.1	-0.834675246	-1.852933868	0.063891838

F12	ENST00000426030.2	ENSG00000228686.2	-0.939146265	-2.092512561	0.036392689
F12	ENST00000426302.1	ENSG00000230454.1	0.840527339	1.871644005	0.061255871
F12	ENST00000430920.1	ENSG00000234203.1	0.875775443	1.949318363	0.051257417
F12	ENST00000431730.1	ENSG00000237401.2	0.931380684	2.07608787	0.037885825
F12	ENST00000433035.1	ENSG00000230483.1	0.815790761	1.812116589	0.069968184
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F12	ENST00000436515.1	ENSG00000224521.1	-0.898570391	-1.994432858	0.046104771
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F12	ENST00000446562.1	ENSG00000233896.1	0.85505458	1.911093498	0.055992567
F12	ENST00000446816.1	ENSG00000204685.5	0.885539116	2.007391549	0.044707988
F12	ENST00000448748.1	ENSG00000231238.1	-0.856064739	-1.942267165	0.052104766
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F12	ENST00000451034.1	ENSG00000229805.1	-0.83320038	-1.896921449	0.057838306
F12	ENST00000451090.1	ENSG00000235215.2	-0.811614499	-1.817488397	0.069142363
F12	ENST00000451507.1	ENSG00000229539.1	0.879746233	1.972325331	0.04857248
F12	ENST00000452176.1	ENSG00000223659.1	-0.936903695	-2.108417797	0.034994866
F12	ENST00000455373.1	ENSG00000226097.1	-0.821358286	-1.849798018	0.064342667
F12	ENST00000455788.1	ENSG00000236263.1	0.843632149	1.888522442	0.058955848
F12	ENST00000457371.1	ENSG00000237401.2	0.914044007	2.053609497	0.040013502
F12	ENST00000458154.1	ENSG00000235578.1	0.830785953	1.855773104	0.063485906
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F12	ENST00000489690.1	ENSG00000243944.1	-0.970897313	-2.198868691	0.02788726
F12	ENST00000500496.2	ENSG00000245479.2	0.821907358	1.847231724	0.064713563
F12	ENST00000502467.1	ENSG00000250530.1	-0.823212192	-1.841533243	0.065543454
F12	ENST00000503505.1	ENSG00000248629.1	-0.8641057	-1.905488706	0.056716574
F12	ENST00000503723.1	ENSG00000250472.1	-0.883476998	-1.992103148	0.046359742
F12	ENST00000504578.1	ENSG00000251513.1	-0.807018948	-1.809234881	0.070414521
F12	ENST00000506791.1	ENSG00000251131.1	0.836012065	1.876379077	0.060603246
F12	ENST00000509036.1	ENSG00000251131.1	0.812533862	1.83629788	0.066313613
F12	ENST00000509192.1	ENSG00000250765.1	0.856442215	1.922991917	0.054481065
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F12	ENST00000515128.1	ENSG00000248215.1	-0.934115443	-2.070718321	0.038385127
F12	ENST00000517846.1	ENSG00000254485.1	0.801113943	1.786301797	0.074050406
F12	ENST00000518837.1	ENSG00000253947.1	-0.811013478	-1.816963293	0.069222734
F12	ENST00000520603.1	ENSG00000254001.1	-0.846950265	-1.885010418	0.059428431
F12	ENST00000521653.1	ENSG00000253301.1	0.875141819	1.97688199	0.048054971
F12	ENST00000529247.1	ENSG00000254741.1	0.900669534	2.028982732	0.042460049
F12	ENST00000534178.1	ENSG00000255120.1	0.960727444	2.157297952	0.030982456
F12	ENST00000537032.1	ENSG00000255933.1	0.86892846	1.962536703	0.049700032
F12	ENST00000537850.1	ENSG00000251002.3	0.875938155	1.933601249	0.053162174
F12	ENST00000543403.1	ENSG00000256684.1	-0.917063824	-2.034511556	0.041900045
F12	ENST00000548722.2	ENSG00000257194.2	-0.84175418	-1.862576783	0.062521833
F12	ENST00000549683.1	ENSG00000257953.1	0.806419826	1.815134082	0.069503307
F12	ENST00000549806.1	ENSG00000257252.1	0.877746435	1.939590661	0.052429457
F12	ENST00000550263.1	ENSG00000257605.1	0.915312757	2.029894249	0.04236729

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F12	ENST00000554431.1	ENSG00000258616.1	-0.970595686	-2.16149288	0.030657286
F12	ENST00000557602.1	ENSG00000258616.1	-0.970597353	-2.166001559	0.030311068
F12	ENST00000558237.1	ENSG00000259684.1	-0.819630812	-1.829175024	0.067373393
F12	ENST00000560963.1	ENSG00000259370.1	0.871860377	1.914688781	0.055532205
F12	ENST00000562191.1	ENSG00000261292.1	-0.921756072	-2.049884105	0.040375742
F12	ENST00000562995.1	ENSG00000261253.1	0.947952363	2.119722908	0.03402942
F12	ENST00000563610.1	ENSG00000260051.1	0.920749966	2.073585924	0.038117784
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F12	ENST00000582044.1	ENSG00000263715.2	0.860052075	1.877975813	0.060384474
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F12	ENST00000599259.1	ENSG00000269352.1	0.812678887	1.824422154	0.068088275
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F12	ENST00000600716.1	ENSG00000269487.1	0.895242267	1.991096371	0.046470293
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F12	ENST00000602594.1	ENSG00000269930.1	-0.809117233	-1.797662214	0.072230553
F12	ENST00000604142.1	ENSG00000271308.1	0.8629811	1.933338061	0.053194566
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F12	ENST00000606470.1	ENSG00000271913.1	0.835981172	1.868374518	0.061709886
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F12	NR_026802.1	FAM74A4	0.830412891	1.851191333	0.064142032
F12	NR_026951.1	LINC00324	0.87269786	1.953286253	0.050785686

F12	NR_027052.1	THAP7-AS1	0.810828282	1.812191154	0.069956665
F12	NR_028324.1	LINC01002	0.819440916	1.828956245	0.067406163
F12	NR_036480.1	VPS9D1-AS1	0.906983254	2.049987454	0.040365655
F12	NR_037169.1	LOC100507547	0.878756243	1.967815561	0.049089263
F12	NR_037170.1	LOC100507547	0.865000002	1.943374252	0.051970956
F12	NR_038421.1	LINC01220	0.870617779	1.954049277	0.05069539
F12	NR_038923.1	SSSCA1-AS1	0.86124741	1.917018692	0.055235557
F12	NR_047498.1	LINC00853	0.878653805	1.945931076	0.051663019
F12	NR_072981.1	LINC00957	0.877676781	1.969742763	0.048867859
F12	NR_072982.1	LINC00957	0.866896769	1.942800078	0.052040318
F12	NR_109831.1	RASSF1-AS1	0.803556057	1.796321034	0.072443475
F12	NR_109886.1	RALY-AS1	0.820627611	1.833581032	0.06671621
F12	NR_110117.1	LOC101927769	-0.803413967	-1.800620894	0.071762654
F12	NR_110245.1	LOC101929282	-0.867837947	-1.967421064	0.049134688
F12	NR_110630.1	LOC101927478	0.921949901	2.079205342	0.037598481
F12	NR_110998.1	FAM74A4	0.830412891	1.847357481	0.064695347
F12	NR_111951.1	LINC00869	0.832812147	1.877037463	0.060512959
F12	NR_111952.1	LINC00869	0.810180824	1.828132927	0.067529604
F12	NR_111953.1	LINC00869	0.823257144	1.858257375	0.063132474
F12	NR_120371.1	LINC01585	0.820324109	1.833192162	0.066773999
F12	NR_125849.1	LOC101928140	-0.82152586	-1.844654666	0.065087789
F12	NR_125957.1	LOC101928626	-0.936903695	-2.061907039	0.039216587
F12	NR_126522.1	EXOC3-AS1	0.890878627	1.986325008	0.046997248
F12	NR_134520.1	LOC727993	0.863367838	1.931660932	0.05340137
F12	NR_135024.1	LOC105369747	0.901967713	2.00989934	0.044441844
F12	NR_135097.1	LOC105369443	-0.917063824	-2.047996802	0.040560313
F12	NR_135626.1	LOC100505585	0.840217172	1.849616527	0.064368839
F12	NR_144459.1	ARSD-AS1	0.951855817	2.127973608	0.033339272
FGF22	ENST00000411694.1	ENSG00000225331.1	0.93264972	2.108360646	0.034999806
FGF22	ENST00000415205.1	ENSG00000182057.4	0.839067915	1.881485994	0.059905839
FGF22	ENST00000416595.1	ENSG00000223623.1	0.87788878	1.961167683	0.049859465
FGF22	ENST00000417260.1	ENSG00000231734.4	-0.80165746	-1.788091574	0.073761235
FGF22	ENST00000419662.1	ENSG00000228265.1	0.870664763	1.93192331	0.053368972
FGF22	ENST00000422763.1	ENSG00000231131.2	-0.813792883	-1.810095086	0.070281043
FGF22	ENST00000425881.1	ENSG00000239636.1	0.874661721	1.945055924	0.051768248
FGF22	ENST00000426030.2	ENSG00000228686.2	-0.912624446	-2.060260997	0.039373596
FGF22	ENST00000426475.1	ENSG00000239467.1	0.819920062	1.824266162	0.068111844
FGF22	ENST00000431730.1	ENSG00000237401.2	0.941972351	2.109879726	0.034868717
FGF22	ENST00000433035.1	ENSG00000230483.1	0.926284991	2.060635143	0.039337861
FGF22	ENST00000433051.1	ENSG00000233193.1	0.893906115	1.979172339	0.047796606
FGF22	ENST00000434250.1	ENSG00000234055.1	0.882916399	1.972396248	0.04856439
FGF22	ENST00000439443.1	ENSG00000236911.2	0.863604751	1.920878677	0.054747005
FGF22	ENST00000440595.1	ENSG00000228265.1	0.914648711	2.056496177	0.039734714
FGF22	ENST00000441592.2	ENSG00000224078.8	0.946422109	2.127642909	0.033366702
FGF22	ENST00000442649.1	ENSG00000234089.1	-0.858717042	-1.9130041	0.055747528
FGF22	ENST00000446562.1	ENSG00000233896.1	0.927969822	2.063241611	0.039089679
FGF22	ENST00000451507.1	ENSG00000229539.1	0.959013644	2.157277394	0.030984057
FGF22	ENST00000452176.1	ENSG00000223659.1	-0.886167944	-1.986446629	0.046983753
FGF22	ENST00000454957.1	ENSG00000224899.1	-0.855488771	-1.910605874	0.056055249
FGF22	ENST00000457371.1	ENSG00000237401.2	0.944507967	2.10866771	0.034973274
FGF22	ENST00000463255.1	ENSG00000243305.1	-0.969490146	-2.170640092	0.029958389

FGF22	ENST00000488310.1	ENSG00000240449.1	0.869519589	1.951798302	0.050962156
FGF22	ENST00000489090.1	ENSG00000240045.1	-0.983487894	-2.206734416	0.027332619
FGF22	ENST00000489690.1	ENSG00000243944.1	-0.803671078	-1.808092323	0.070592133
FGF22	ENST00000503571.1	ENSG00000249592.1	0.893680757	2.010053642	0.044425512
FGF22	ENST00000504916.1	ENSG00000248112.1	-0.833936805	-1.845136842	0.065017635
FGF22	ENST00000509453.1	ENSG00000249145.1	0.832343801	1.842555397	0.065393951
FGF22	ENST00000513836.1	ENSG00000251266.1	-0.811910302	-1.82656298	0.067765504
FGF22	ENST00000517846.1	ENSG00000254485.1	0.84152	1.893093842	0.058345391
FGF22	ENST00000520603.1	ENSG00000254001.1	-0.808993357	-1.812696058	0.069878713
FGF22	ENST00000521359.1	ENSG00000253140.1	-0.804685828	-1.808183178	0.070577996
FGF22	ENST00000521653.1	ENSG00000253301.1	0.833581917	1.873040169	0.061062838
FGF22	ENST00000529247.1	ENSG00000254741.1	0.897490904	2.018592506	0.043529591
FGF22	ENST00000530435.1	ENSG00000254630.1	0.86911093	1.944376036	0.051850122
FGF22	ENST00000532454.1	ENSG00000255120.1	0.870980582	1.959560241	0.050047212
FGF22	ENST00000534178.1	ENSG00000255120.1	0.841685591	1.871720235	0.061245319
FGF22	ENST00000543403.1	ENSG00000256684.1	-0.892434663	-1.956976317	0.050350253
FGF22	ENST00000545254.1	ENSG00000256633.1	0.863187323	1.949743816	0.051206661
FGF22	ENST00000548722.2	ENSG00000257194.2	-0.804794686	-1.782268584	0.074705443
FGF22	ENST00000549806.1	ENSG00000257252.1	0.871146857	1.942145993	0.052119429
FGF22	ENST00000554431.1	ENSG00000258616.1	-0.887592642	-1.99367457	0.04618763
FGF22	ENST00000557602.1	ENSG00000258616.1	-0.874084967	-1.942243017	0.052107688
FGF22	ENST00000558475.1	ENSG00000259604.1	0.837566248	1.874235443	0.060897981
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FGF22	ENST00000559673.1	ENSG00000259604.1	0.902632947	1.980825186	0.047610881
FGF22	ENST00000559960.1	ENSG00000259354.1	0.870109382	1.938031684	0.052619357
FGF22	ENST00000562191.1	ENSG00000261292.1	-0.921624713	-2.059006611	0.039493605
FGF22	ENST00000562995.1	ENSG00000261253.1	0.891655905	1.974282506	0.048349629
FGF22	ENST00000565955.1	ENSG00000261055.1	0.869922712	1.958457016	0.05017641
FGF22	ENST00000571660.1	ENSG00000262848.1	0.873503943	1.939321133	0.052462247
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FGF22	ENST00000580622.1	ENSG00000264634.1	0.845628299	1.910837547	0.056025461
FGF22	ENST00000582044.1	ENSG00000263715.2	0.877824245	1.96515523	0.049396274
FGF22	ENST00000583067.1	ENSG00000266126.1	-0.801369902	-1.791751814	0.073172731
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FGF22	ENST00000586694.1	ENSG00000267141.1	0.898870701	2.039052591	0.041444779
FGF22	ENST00000587696.1	ENSG00000225313.2	0.894468874	2.007034336	0.044746007
FGF22	ENST00000588380.1	ENSG00000266990.1	0.948940876	2.121489919	0.033880595
FGF22	ENST00000589395.1	ENSG00000267143.1	0.87038722	1.993331575	0.046225151
FGF22	ENST00000592525.1	ENSG00000267214.1	0.856219423	1.908710478	0.056299451
FGF22	ENST00000593139.1	ENSG00000267042.1	0.849661776	1.901361301	0.057254705
FGF22	ENST00000593967.1	ENSG00000232732.5	0.820803121	1.85112223	0.064151971
FGF22	ENST00000596971.1	ENSG00000269463.1	0.805233871	1.793029926	0.072968139
FGF22	ENST00000597256.1	ENSG00000267986.1	0.803671078	1.792119185	0.073113876
FGF22	ENST00000600242.1	ENSG00000269583.1	0.811534803	1.826296777	0.06780557
FGF22	ENST00000602594.1	ENSG00000269930.1	-0.884444661	-1.966732942	0.049214007
FGF22	ENST00000603948.1	ENSG00000222041.6	0.880260657	1.966971024	0.049186551
FGF22	ENST00000604183.1	ENSG00000271185.1	0.818345504	1.801891467	0.071562483
FGF22	ENST00000606441.1	ENSG00000272277.1	0.928736543	2.096348168	0.036051317
FGF22	ENST00000606743.1	ENSG00000272221.1	0.829446863	1.859052612	0.063019681
FGF22	ENST00000606909.1	ENSG00000271821.1	0.851546553	1.889555294	0.058817461
FGF22	ENST00000606963.1	ENSG00000272010.1	-0.824119535	-1.836605797	0.066268111



FGF22	ENST00000608159.1	ENSG00000273093.1	-0.941176471	-2.104425041	0.035341387
FGF22	ENST00000608258.1	ENSG00000229042.2	-0.832343801	-1.845780316	0.06492411
FGF22	ENST00000608367.1	ENSG00000273361.1	0.936034619	2.103669737	0.035407266
FGF22	ENST00000610008.1	ENSG00000272711.1	0.823994855	1.845976627	0.064895599
FGF22	NR_026774.1	LINC00239	0.841156327	1.88075424	0.060005358
FGF22	NR_026802.1	FAM74A4	0.802577847	1.808381364	0.070547166
FGF22	NR_026813.1	LINC00597	-0.804828757	-1.805122908	0.071055451
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FGF22	NR_034131.1	LINC00272	0.803877569	1.791644077	0.073189998
FGF22	NR_037169.1	LOC100507547	0.843950888	1.8616352	0.062654528
FGF22	NR_037170.1	LOC100507547	0.848290216	1.885143462	0.059410472
FGF22	NR_040047.1	SDCBP2-AS1	0.860686664	1.930946397	0.053489682
FGF22	NR_040049.1	SDCBP2-AS1	0.804837144	1.81804714	0.069056928
FGF22	NR_047498.1	LINC00853	0.826231349	1.847716256	0.064643401
FGF22	NR_073155.1	Clorf145	-0.916599389	-2.026852176	0.042677533
FGF22	NR_108085.1	OVOL1-AS1	0.833834102	1.872496651	0.061137925
FGF22	NR_109885.1	RALY-AS1	0.909562741	2.0192762	0.04345852
FGF22	NR_109886.1	RALY-AS1	0.853539907	1.901773338	0.057200793
FGF22	NR_110998.1	FAM74A4	0.802577847	1.779318236	0.075187603
FGF22	NR_125957.1	LOC101928626	-0.886167944	-1.974112883	0.048368909
FGF22	NR_126522.1	EXOC3-AS1	0.860342933	1.889743777	0.058792236
FGF22	NR_133941.1	LOC105377247	-0.811910302	-1.828921099	0.067411429
FGF22	NR_134252.1	LOC105379030	0.844669092	1.899600387	0.057485581
FGF22	NR_134520.1	LOC727993	0.933627263	2.104929349	0.035297458
FGF22	NR_134579.1	LOC105372179	0.865780669	1.9254897	0.054168123
FGF22	NR_135024.1	LOC105369747	0.885173164	1.986133058	0.047018552
FGF22	NR_135097.1	LOC105369443	-0.892434663	-2.001060143	0.045385909
FGF22	NR_135626.1	LOC100505585	0.973591371	2.193997168	0.028235613
FOSL1	ENST00000412348.1	ENSG00000228959.1	-0.954984214	-2.137168231	0.032584311
FOSL1	ENST00000418387.1	ENSG00000235056.1	-0.87025497	-1.945091409	0.051763978
FOSL1	ENST00000422017.1	ENSG00000232227.1	-0.92155449	-2.043676401	0.040985526
FOSL1	ENST00000428391.1	ENSG00000224691.1	0.845332459	1.912232646	0.055846361
FOSL1	ENST00000432265.1	ENSG00000231170.1	0.856824489	1.92111531	0.054717172
FOSL1	ENST00000433550.1	ENSG00000232227.1	-0.919246424	-2.034957246	0.041855175
FOSL1	ENST00000436515.1	ENSG00000224521.1	-0.907358274	-2.01154349	0.044268081
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FOSL1	ENST00000448748.1	ENSG00000231238.1	-0.869318288	-1.948112105	0.051401551
FOSL1	ENST00000449154.1	ENSG00000226969.1	0.916837322	2.040005824	0.041349746
FOSL1	ENST00000451034.1	ENSG00000229805.1	-0.870203903	-1.926135423	0.054087467
FOSL1	ENST00000456499.1	ENSG00000237640.1	0.81061738	1.801390542	0.071641346
FOSL1	ENST00000485338.1	ENSG00000239641.1	-0.853806272	-1.907379851	0.056471417
FOSL1	ENST00000502467.1	ENSG00000250530.1	-0.827468946	-1.863276093	0.062423432
FOSL1	ENST00000503505.1	ENSG00000248629.1	-0.869520736	-1.944281089	0.051861564
FOSL1	ENST00000504765.1	ENSG00000249638.1	-0.876478285	-1.963783451	0.04955521
FOSL1	ENST00000512882.2	ENSG00000251575.2	-0.864265652	-1.941948449	0.052143341
FOSL1	ENST00000515128.1	ENSG00000248215.1	-0.822286506	-1.806710207	0.070807475
FOSL1	ENST00000522390.1	ENSG00000254262.1	-0.831141998	-1.85541251	0.063537342
FOSL1	ENST00000522600.1	ENSG00000246582.2	0.841072239	1.881223892	0.059941469
FOSL1	ENST00000524808.1	ENSG00000254812.1	0.879658565	1.980710418	0.047623758
FOSL1	ENST00000528887.1	ENSG00000254501.1	0.846711416	1.899013928	0.057562645
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FOSL1	ENST00000543494.1	ENSG00000256514.1	0.859679603	1.916825126	0.055260152
FOSL1	ENST00000549683.1	ENSG00000257953.1	0.940627713	2.103241902	0.035444629
FOSL1	ENST00000553075.1	ENSG00000257258.1	-0.848715557	-1.897969158	0.057700145
FOSL1	ENST00000561699.1	ENSG00000259813.1	0.884207555	1.983873162	0.047269981
FOSL1	ENST00000565667.1	ENSG00000261253.1	0.904599691	2.041345234	0.041216524
FOSL1	ENST00000567261.1	ENSG00000261320.1	-0.825287488	-1.840097855	0.065753872
FOSL1	ENST00000568659.1	ENSG00000260004.1	-0.849898025	-1.891112448	0.058609335
FOSL1	ENST00000570974.1	ENSG00000263300.1	0.953026774	2.126343568	0.033474663
FOSL1	ENST00000576554.1	ENSG00000262413.1	0.874521463	1.922396026	0.054555945
FOSL1	ENST00000577176.1	ENSG00000262823.1	0.884466508	1.964378927	0.049486165
FOSL1	ENST00000578443.1	ENSG00000265204.1	0.818267876	1.827752441	0.067586714
FOSL1	ENST00000580729.1	ENSG00000266176.1	0.887218297	1.975891994	0.048167011
FOSL1	ENST00000583122.1	ENSG00000264695.1	-0.859639255	-1.920271657	0.054823594
FOSL1	ENST00000584139.1	ENSG00000263388.1	-0.854152935	-1.926055208	0.054097481
FOSL1	ENST00000590328.1	ENSG00000256995.2	-0.929406839	-2.078172111	0.03769351
FOSL1	ENST00000597357.1	ENSG00000268309.1	0.806776959	1.805774487	0.070953572
FOSL1	ENST00000600007.1	ENSG00000268655.1	0.948702544	2.1185616	0.034127534
FOSL1	ENST00000600716.1	ENSG00000269487.1	0.948154709	2.098804953	0.035834098
FOSL1	ENST00000606010.1	ENSG00000272249.1	-0.876699876	-1.954472743	0.050645335
FOSL1	ENST00000607135.1	ENSG00000272112.1	-0.82577097	-1.824593084	0.068062458
FOSL1	ENST00000607549.1	ENSG00000272293.1	-0.908797826	-2.040638542	0.041286768
FOSL1	ENST00000608259.1	ENSG00000272627.1	-0.84458802	-1.898649714	0.057610547
FOSL1	ENST00000608465.1	ENSG00000272758.1	-0.875695733	-1.975771902	0.048180617
FOSL1	ENST00000608934.1	ENSG00000273063.1	-0.824789446	-1.856569649	0.063372405
FOSL1	ENST00000609113.1	ENSG00000272827.1	0.802810624	1.807930599	0.070617303
FOSL1	ENST00000609813.1	ENSG00000272719.1	0.82240835	1.842749695	0.065365565
FOSL1	ENST00000609976.1	ENSG00000272582.1	0.866244017	1.929668702	0.0536479
FOSL1	NR_024491.1	LOC100128573	-0.9050181	-2.01426899	0.0439813
FOSL1	NR_073552.1	LOC101059948	0.948702544	2.122117402	0.03382788
FOSL1	NR_110702.1	SEMA3B-AS1	0.865746801	1.928152151	0.053836204
FOSL1	NR_136569.1	LINC01660	-0.925550425	-2.069590368	0.038490721
FOSL1	NR_144459.1	ARSD-AS1	0.804150001	1.803108255	0.071371215
GABARAP	ENST00000411694.1	ENSG00000225331.1	0.913716659	2.060860709	0.039316331
GABARAP	ENST00000412085.1	ENSG00000233825.1	0.918596638	2.048826477	0.040479086
GABARAP	ENST00000412759.1	ENSG00000236933.1	0.898165426	2.011475652	0.04427524
GABARAP	ENST00000412772.1	ENSG00000231507.1	0.808295428	1.8295637	0.067315206
GABARAP	ENST00000414740.2	ENSG00000229646.2	0.868277687	1.983598301	0.047300639
GABARAP	ENST00000419662.1	ENSG00000228265.1	0.906263356	2.029257647	0.042432055
GABARAP	ENST00000420315.1	ENSG00000228072.1	0.851469904	1.881544898	0.059897834
GABARAP	ENST00000420981.2	ENSG00000230438.5	0.911540341	2.053658889	0.040008718
GABARAP	ENST00000421020.1	ENSG00000231407.1	0.850453072	1.88217225	0.059812632
GABARAP	ENST00000426475.1	ENSG00000239467.1	0.886000827	1.989087534	0.046691542
GABARAP	ENST00000426519.1	ENSG00000234142.1	0.867606616	1.958625892	0.050156615
GABARAP	ENST00000430920.1	ENSG00000234203.1	0.895638198	2.001474416	0.045341288
GABARAP	ENST00000431727.2	ENSG00000234938.2	0.801512761	1.769069166	0.076882333
GABARAP	ENST00000433036.1	ENSG00000228989.1	0.901275778	2.019965376	0.043386979
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GABARAP	ENST00000458194.1	ENSG00000226193.1	0.893789836	2.005219966	0.044939537
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GABARAP	NR_046713.1	NAALADL2-AS2	-0.846337716	-1.904838369	0.056801085
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GABARAP	NR_109886.1	RALY-AS1	0.894554703	1.995072187	0.046035007
GABARAP	NR_110941.1	MIR762HG	0.823518904	1.846618396	0.064802466
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GABARAP	NR_111951.1	LINC00869	0.910452149	2.022500879	0.043124633
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GABARAP	NR_130143.1	LOC104968399	0.964036431	2.164141198	0.030453515
GABARAP	NR_134520.1	LOC727993	0.813079744	1.823028985	0.068299001
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GMNN	ENST00000590995.1	ENSG00000267198.1	0.802680382	1.813029336	0.069827297
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GMNN	ENST00000608264.1	ENSG00000273473.1	0.862294234	1.92791518	0.053865677
GMNN	ENST00000608940.1	ENSG00000272763.1	0.891972869	1.968686877	0.048989059
GMNN	ENST00000609146.1	ENSG00000272851.1	-0.951868978	-2.089032087	0.036704835
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GMNN	NR_027401.2	FAM223A	0.894938085	1.969524028	0.048892946
GMNN	NR_028325.1	LOC100132062	0.810400367	1.793752602	0.072852665
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GNGT1	ENST00000340585.6	ENSG00000249429.1	0.921590971	2.059535244	0.039442992
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GNGT1	ENST00000413887.1	ENSG00000236948.1	0.859048572	1.940205673	0.052354699
GNGT1	ENST00000419296.1	ENSG00000204588.5	0.81125033	1.813976241	0.069681384
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GNGT1	ENST00000424852.1	ENSG00000229891.1	0.907221817	2.035407651	0.041809872
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GPS2	ENST00000532688.1	ENSG00000255441.1	0.956338203	2.122343855	0.033808873
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GPS2	ENST00000536141.1	ENSG00000256969.1	0.815878986	1.800273535	0.071817458
GPS2	ENST00000537269.1	ENSG00000257084.1	0.84546709	1.896228447	0.057929843

GPS2	ENST00000543072.1	ENSG00000256092.2	-0.817795701	-1.828206233	0.067518606
GPS2	ENST00000543275.1	ENSG00000256944.1	0.821493341	1.852232543	0.063992438
GPS2	ENST00000545177.3	ENSG00000230438.5	0.972112109	2.172687303	0.02980386
GPS2	ENST00000545254.1	ENSG00000256633.1	0.85065135	1.902278102	0.057134807
GPS2	ENST00000545642.1	ENSG00000256342.1	0.853869953	1.918292031	0.055073992
GPS2	ENST00000547750.1	ENSG00000257886.1	0.842610519	1.892101097	0.058477512
GPS2	ENST00000548722.2	ENSG00000257194.2	-0.85231566	-1.891321396	0.058581454
GPS2	ENST00000549806.1	ENSG00000257252.1	0.843823762	1.900069054	0.057424058
GPS2	ENST00000552525.1	ENSG00000257286.1	0.87506782	1.958350421	0.050188908
GPS2	ENST00000554197.1	ENSG00000197176.3	0.825860108	1.831034591	0.06709538
GPS2	ENST00000558515.1	ENSG00000259182.1	0.960765412	2.141358443	0.032245143
GPS2	ENST00000560522.1	ENSG00000259661.1	0.852207559	1.880033265	0.060103545
GPS2	ENST00000561529.1	ENSG00000260886.1	0.839964544	1.867706783	0.061802953
GPS2	ENST00000561567.1	ENSG00000260177.1	0.817329346	1.82141931	0.068543142
GPS2	ENST00000563044.1	ENSG00000260978.1	0.882222728	1.961865434	0.049778153
GPS2	ENST00000563806.1	ENSG00000238045.5	0.931967496	2.068692404	0.03857496
GPS2	ENST00000565829.1	ENSG00000260148.1	0.819612888	1.830120107	0.067231981
GPS2	ENST00000570843.1	ENSG00000261889.1	0.811861395	1.829111865	0.067382852
GPS2	ENST00000574460.1	ENSG00000263051.1	0.809789988	1.810569495	0.070207518
GPS2	ENST00000578757.1	ENSG00000175061.13	0.844494713	1.886786589	0.059189036
GPS2	ENST00000578800.1	ENSG00000264235.1	0.902612369	2.012738337	0.044142164
GPS2	ENST00000578936.1	ENSG00000265547.1	0.946536873	2.119993522	0.034006592
GPS2	ENST00000579154.1	ENSG00000265908.1	-0.827668301	-1.848848491	0.064479693
GPS2	ENST00000581905.1	ENSG00000264235.1	0.812075022	1.82589908	0.067865465
GPS2	ENST00000582386.1	ENSG00000265174.1	0.871670495	1.933587803	0.053163828
GPS2	ENST00000583138.1	ENSG00000263393.1	0.818217056	1.831288571	0.067057483
GPS2	ENST00000586694.1	ENSG00000267141.1	0.820217944	1.84464997	0.065088473
GPS2	ENST00000588182.2	ENSG00000267453.2	0.816633825	1.824319649	0.068103762
GPS2	ENST00000588290.1	ENSG00000267751.1	0.928417933	2.07262748	0.038206962
GPS2	ENST00000589817.1	ENSG00000231616.4	0.948763022	2.14408773	0.032025858
GPS2	ENST00000590368.1	ENSG00000231616.4	0.873498202	1.952767917	0.050847102
GPS2	ENST00000590813.1	ENSG00000231616.4	0.889749441	1.995866947	0.045948407
GPS2	ENST00000593269.1	ENSG00000236172.2	0.855021625	1.928662256	0.053772805
GPS2	ENST00000593588.1	ENSG00000269635.1	0.834324025	1.874248004	0.060896251
GPS2	ENST00000593632.1	ENSG00000180279.5	0.890618256	1.989865386	0.046605766
GPS2	ENST00000593642.1	ENSG00000267858.1	0.899934576	2.004233312	0.045045074
GPS2	ENST00000594492.1	ENSG00000250910.3	0.943640256	2.118837329	0.034104217
GPS2	ENST00000595955.1	ENSG00000268401.1	0.895838419	2.006736817	0.044777694
GPS2	ENST00000596135.1	ENSG00000269843.1	0.861005546	1.922972232	0.054483537
GPS2	ENST00000597256.1	ENSG00000267986.1	0.81615077	1.807301661	0.070715257
GPS2	ENST00000600234.1	ENSG00000268078.1	0.846378302	1.882233839	0.059804273
GPS2	ENST00000600534.1	ENSG00000267858.1	0.806619318	1.820439599	0.068692087
GPS2	ENST00000600889.1	ENSG00000232675.3	0.960681631	2.158572724	0.030883331
GPS2	ENST00000601033.1	ENSG00000268401.1	0.947015331	2.141201222	0.032257815
GPS2	ENST00000602532.1	ENSG00000270091.1	0.873920334	1.957297111	0.050312547
GPS2	ENST00000606068.1	ENSG00000272342.1	0.812462588	1.809865199	0.070316694
GPS2	ENST00000606277.1	ENSG00000272145.1	0.819004419	1.83366678	0.066703473
GPS2	ENST00000606841.1	ENSG00000272411.1	0.874548549	1.960579646	0.049928079
GPS2	ENST00000606963.1	ENSG00000272010.1	-0.84660479	-1.883736589	0.059600615
GPS2	ENST00000607201.1	ENSG00000272024.1	-0.915950901	-2.059396336	0.039456287
GPS2	ENST00000607321.1	ENSG00000272371.1	-0.827857085	-1.844949623	0.065044867

GPS2	ENST00000607580.1	ENSG00000272545.1	-0.876482431	-1.971294919	0.048690152
GPS2	ENST00000608264.1	ENSG00000273473.1	0.831831434	1.85904734	0.063020428
GPS2	ENST00000608677.1	ENSG00000273350.1	0.868796581	1.924965453	0.05423368
GPS2	ENST00000608940.1	ENSG00000272763.1	0.942299867	2.125680439	0.033529877
GPS2	NR_003604.2	ZFAS1	0.852756534	1.89718394	0.057803666
GPS2	NR_003606.2	ZFAS1	0.846728681	1.883852685	0.059584905
GPS2	NR_026802.1	FAM74A4	0.908567088	2.052319933	0.04013858
GPS2	NR_026951.1	LINC00324	0.884425332	1.969948101	0.048844319
GPS2	NR_027052.1	THAP7-AS1	0.817311885	1.840194773	0.065739647
GPS2	NR_027271.1	CIRBP-AS1	0.847371678	1.896595751	0.057881312
GPS2	NR_036480.1	VPS9D1-AS1	0.820716797	1.852226205	0.063993347
GPS2	NR_036658.1	ZFAS1	0.845938647	1.896659521	0.057872889
GPS2	NR_040096.1	LOC643339	0.883831353	1.968523507	0.049007834
GPS2	NR_045637.1	BOLA3-AS1	0.912998451	2.056129863	0.03977
GPS2	NR_046713.1	NAALADL2-AS2	-0.871451512	-1.955334104	0.050543648
GPS2	NR_046839.1	AGBL4-IT1	-0.932115105	-2.089133225	0.036695732
GPS2	NR_103790.1	LINC00581	-0.920104171	-2.054855566	0.039892957
GPS2	NR_103851.1	TAT-AS1	0.838913516	1.868790653	0.061651946
GPS2	NR_104158.1	NRG1-IT1	0.811944255	1.811167455	0.070114934
GPS2	NR_105010.1	LINC01333	0.810707447	1.793670292	0.07286581
GPS2	NR_109886.1	RALY-AS1	0.812824599	1.824510737	0.068074895
GPS2	NR_110053.1	LOC101927464	0.853869953	1.909361803	0.056215435
GPS2	NR_110998.1	FAM74A4	0.908567088	2.039185335	0.041431534
GPS2	NR_111952.1	LINC00869	0.808980092	1.80500741	0.071073522
GPS2	NR_117097.1	LINC01353	0.814588136	1.797565732	0.072245853
GPS2	NR_117098.1	LINC01353	0.847344455	1.903826003	0.056932849
GPS2	NR_121189.1	PGM5P3-AS1	-0.81433843	-1.822498611	0.068379364
GPS2	NR_121661.1	ZBTB20-AS5	-0.894969879	-1.999758685	0.045526328
GPS2	NR_126522.1	EXOC3-AS1	0.894542778	1.991426029	0.04643407
GPS2	NR_130143.1	LOC104968399	0.902126398	2.022927606	0.043080612
GPS2	NR_130144.1	LOC104968399	0.812075022	1.836450874	0.066291001
GPS2	NR_134579.1	LOC105372179	0.943080954	2.120409987	0.033971485
GPS2	NR_135024.1	LOC105369747	0.887349735	1.984564662	0.047192927
GPS2	NR_135032.1	LOC105369635	0.84546709	1.878876988	0.060261292
GPS2	NR_135820.1	LOC102723727	0.827572474	1.832329806	0.066902299
GPS2	NR_138038.1	LINC00677	0.805494707	1.789080177	0.073601904
GSTT1	ENST00000411824.1	ENSG00000232803.1	-0.813593806	-1.830515859	0.067172838
GSTT1	ENST00000412772.1	ENSG00000231507.1	0.810705525	1.808916421	0.070463989
GSTT1	ENST00000413645.1	ENSG00000228798.1	0.909052452	2.04961427	0.040402087
GSTT1	ENST00000416657.1	ENSG00000235858.1	0.860396292	1.926838451	0.053999766
GSTT1	ENST00000418972.1	ENSG00000225044.1	-0.833142795	-1.865703639	0.06208284
GSTT1	ENST00000420498.1	ENSG00000224985.1	0.911240839	2.038946017	0.041455416
GSTT1	ENST00000420981.2	ENSG00000230438.5	0.817272931	1.807674615	0.070657158
GSTT1	ENST00000422038.1	ENSG00000227935.1	0.831490683	1.866034641	0.062036519
GSTT1	ENST00000425371.2	ENSG00000235872.2	0.870412439	1.920579983	0.054784681
GSTT1	ENST00000427691.1	ENSG00000228340.1	-0.899733269	-2.016205701	0.043778471
GSTT1	ENST00000429608.1	ENSG00000237480.1	0.944257271	2.129067715	0.033248658
GSTT1	ENST00000429630.1	ENSG00000232533.1	0.819423218	1.832518668	0.066874183
GSTT1	ENST00000433036.1	ENSG00000228989.1	0.808614473	1.817459135	0.06914684
GSTT1	ENST00000437330.1	ENSG00000229203.1	0.937074474	2.100669793	0.035669963
GSTT1	ENST00000437461.1	ENSG00000227200.1	0.817769316	1.834506006	0.066578917

GSTT1	ENST00000443380.1	ENSG00000224371.1	0.884650548	1.995055771	0.046036798
GSTT1	ENST00000448365.1	ENSG00000231114.1	0.855198577	1.882075724	0.059825735
GSTT1	ENST00000450109.1	ENSG00000225376.1	0.85996187	1.91839462	0.055060993
GSTT1	ENST00000455010.1	ENSG00000233079.1	0.801866597	1.795080861	0.072640818
GSTT1	ENST00000460993.1	ENSG00000241231.1	0.820791353	1.839533884	0.065836699
GSTT1	ENST00000466431.2	ENSG00000254485.1	0.836953885	1.871905129	0.06121973
GSTT1	ENST00000476892.1	ENSG00000241345.1	0.858578562	1.945929815	0.051663171
GSTT1	ENST00000498358.1	ENSG00000184115.12	0.830576353	1.862274402	0.062564422
GSTT1	ENST00000502300.1	ENSG00000249451.1	0.949101192	2.115961703	0.034348065
GSTT1	ENST00000507997.1	ENSG00000250551.1	-0.812025246	-1.828648019	0.067452354
GSTT1	ENST00000508188.1	ENSG00000250999.1	0.874573249	1.970121004	0.048824504
GSTT1	ENST00000508199.1	ENSG00000247810.2	0.892634001	2.004099728	0.045059379
GSTT1	ENST00000508241.1	ENSG00000248518.1	0.945096783	2.11762966	0.034206444
GSTT1	ENST00000512300.1	ENSG00000248362.1	0.803425312	1.819042433	0.068904957
GSTT1	ENST00000515077.1	ENSG00000251206.1	0.804638469	1.782558261	0.074658239
GSTT1	ENST00000515136.1	ENSG00000251274.1	-0.8297585	-1.86570137	0.062083158
GSTT1	ENST00000515750.1	ENSG00000249061.1	-0.81708247	-1.846998404	0.064747372
GSTT1	ENST00000517300.1	ENSG00000254144.2	0.82027898	1.830114535	0.067232814
GSTT1	ENST00000519451.1	ENSG00000253363.1	0.905607889	2.019372283	0.04344854
GSTT1	ENST00000519852.1	ENSG00000253716.1	0.841780464	1.879748606	0.060142348
GSTT1	ENST00000521207.1	ENSG00000253716.1	0.880986612	1.974852471	0.048284892
GSTT1	ENST00000521884.1	ENSG00000253355.1	-0.805228846	-1.793955232	0.072820315
GSTT1	ENST00000522524.1	ENSG00000253342.1	-0.86790785	-1.92772375	0.053889496
GSTT1	ENST00000524073.1	ENSG00000253774.1	0.835788409	1.871636769	0.061256873
GSTT1	ENST00000524335.1	ENSG00000253716.1	0.839044981	1.870383774	0.061430544
GSTT1	ENST00000526154.1	ENSG00000254511.1	0.871522457	1.980538947	0.047643001
GSTT1	ENST00000526694.1	ENSG00000231999.2	0.832433223	1.846660576	0.064796349
GSTT1	ENST00000531627.1	ENSG00000254584.1	0.844336053	1.879378831	0.060192785
GSTT1	ENST00000532688.1	ENSG00000255441.1	0.904697995	2.01696977	0.043698668
GSTT1	ENST00000535746.1	ENSG00000256101.1	0.953132817	2.121061196	0.033916653
GSTT1	ENST00000537921.1	ENSG00000255966.1	0.821677099	1.828278438	0.067507774
GSTT1	ENST00000547750.1	ENSG00000257886.1	0.926941767	2.065771509	0.03885006
GSTT1	ENST00000552525.1	ENSG00000257286.1	0.803283696	1.797558356	0.072247023
GSTT1	ENST00000554049.1	ENSG00000258763.1	0.812560534	1.83102181	0.067097288
GSTT1	ENST00000554197.1	ENSG00000197176.3	0.904352389	2.03123617	0.042231043
GSTT1	ENST00000554430.1	ENSG00000258646.1	-0.853722242	-1.909914734	0.056144193
GSTT1	ENST00000557232.1	ENSG00000259054.1	0.807654882	1.811904951	0.070000884
GSTT1	ENST00000558515.1	ENSG00000259182.1	0.920181165	2.025798097	0.042785479
GSTT1	ENST00000558875.1	ENSG00000259737.2	0.882396987	1.978603466	0.047860669
GSTT1	ENST00000560522.1	ENSG00000259661.1	0.842637579	1.877454656	0.060455807
GSTT1	ENST00000561215.1	ENSG00000259611.1	0.923647922	2.101776172	0.035572887
GSTT1	ENST00000561529.1	ENSG00000260886.1	0.834644205	1.887746929	0.059059933
GSTT1	ENST00000563806.1	ENSG00000238045.5	0.83181458	1.862005678	0.06260229
GSTT1	ENST00000565359.1	ENSG00000260601.1	0.834166923	1.854074087	0.063728561
GSTT1	ENST00000569742.1	ENSG00000260787.1	0.806478349	1.777362486	0.075508619
GSTT1	ENST00000578936.1	ENSG00000265547.1	0.808923391	1.781668767	0.074803263
GSTT1	ENST00000583916.1	ENSG00000264196.1	0.866857825	1.946631792	0.051578894
GSTT1	ENST00000586399.1	ENSG00000228430.4	0.810331417	1.801919643	0.071558049
GSTT1	ENST00000588908.1	ENSG00000267751.1	0.819142924	1.831694096	0.066997009
GSTT1	ENST00000589233.1	ENSG00000231616.4	0.919945705	2.057914895	0.039598304
GSTT1	ENST00000589457.1	ENSG00000267751.1	0.841555984	1.874952819	0.060799215



GSTT1	ENST00000589817.1	ENSG00000231616.4	0.950723633	2.108714738	0.034969212
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GSTT1	ENST00000590995.1	ENSG00000267198.1	0.935676136	2.086234721	0.036957367
GSTT1	ENST00000591103.1	ENSG00000272895.1	0.85091386	1.900016075	0.05743101
GSTT1	ENST00000591217.1	ENSG00000231616.4	0.928692374	2.074201656	0.038060586
GSTT1	ENST00000591225.1	ENSG00000228290.2	-0.801607287	-1.789375896	0.073554298
GSTT1	ENST00000591836.1	ENSG00000267776.1	0.857385526	1.887886955	0.059041128
GSTT1	ENST00000592622.1	ENSG00000267546.2	-0.910427055	-2.059803834	0.039417298
GSTT1	ENST00000593269.1	ENSG00000236172.2	0.958912659	2.146976701	0.031795137
GSTT1	ENST00000593642.1	ENSG00000267858.1	0.903829498	2.017409644	0.043652782
GSTT1	ENST00000594492.1	ENSG00000250910.3	0.939372923	2.081358368	0.037401116
GSTT1	ENST00000596497.1	ENSG00000268530.1	0.855959367	1.935386602	0.052942872
GSTT1	ENST00000600071.1	ENSG00000269199.1	0.805888916	1.808455834	0.070535585
GSTT1	ENST00000600512.1	ENSG00000269752.1	0.848463048	1.890979393	0.058627095
GSTT1	ENST00000600889.1	ENSG00000232675.3	0.83084074	1.872247894	0.061172316
GSTT1	ENST00000602614.1	ENSG00000269957.1	-0.906986349	-2.002887039	0.045189415
GSTT1	ENST00000602773.1	ENSG00000270160.1	-0.890247913	-2.00364721	0.045107865
GSTT1	ENST00000606068.1	ENSG00000272342.1	0.848938855	1.878804746	0.060271159
GSTT1	ENST00000606841.1	ENSG00000272411.1	0.867879471	1.939759375	0.05240894
GSTT1	ENST00000606938.1	ENSG00000272198.1	-0.812662777	-1.819178864	0.068884146
GSTT1	ENST00000607014.1	ENSG00000272345.1	-0.864297306	-1.935738705	0.052899711
GSTT1	ENST00000607044.1	ENSG00000272247.1	0.857656281	1.902432053	0.057114694
GSTT1	ENST00000608264.1	ENSG00000273473.1	0.881074	1.960744764	0.049908804
GSTT1	ENST00000608940.1	ENSG00000272763.1	0.878071016	1.960422234	0.049946459
GSTT1	ENST00000608952.1	ENSG00000272689.1	-0.838060904	-1.858284371	0.063128642
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GSTT1	ENST00000609953.1	ENSG00000272825.1	0.846433464	1.894467219	0.058163022
GSTT1	ENST00000610044.1	ENSG00000273160.1	-0.844597731	-1.884849643	0.05945014
GSTT1	ENST00000610185.1	ENSG00000273355.1	-0.888312701	-1.995578033	0.045979873
GSTT1	NR_027401.2	FAM223A	0.846760174	1.910400504	0.056081666
GSTT1	NR_028325.1	LOC100132062	0.902945352	2.014420601	0.043965393
GSTT1	NR_046578.1	CACNA1C-AS4	0.808828537	1.790708776	0.073340041
GSTT1	NR_103857.1	SP2-AS1	-0.951470794	-2.134644989	0.03279002
GSTT1	NR_104158.1	NRG1-IT1	0.865132532	1.94365237	0.051937386
GSTT1	NR_110318.1	MACROD2-AS1	0.821146316	1.837124075	0.066191581
GSTT1	NR_110635.1	LINC00687	0.910202499	2.041190952	0.041231851
GSTT1	NR_117097.1	LINC01353	0.810705525	1.844355176	0.065131395
GSTT1	NR_117098.1	LINC01353	0.854384501	1.929105699	0.053717742
GSTT1	NR_120527.1	LOC100506675	0.809760865	1.79956789	0.071928895
GSTT1	NR_121661.1	ZBTB20-AS5	-0.962072156	-2.162834223	0.030553932
GSTT1	NR_135644.1	LOC105371506	-0.813371107	-1.833721952	0.066695278
GSTT1	NR_135820.1	LOC102723727	0.964938494	2.120200038	0.033989179
GSTT2	ENST00000318291.4	ENSG00000177406.4	0.844900392	1.873138836	0.061049216
GSTT2	ENST00000411694.1	ENSG00000225331.1	0.810352552	1.816511748	0.069291907
GSTT2	ENST00000412759.1	ENSG00000236933.1	0.898152203	2.011777996	0.044243344
GSTT2	ENST00000415205.1	ENSG00000182057.4	0.930976415	2.093658067	0.036290451
GSTT2	ENST00000417260.1	ENSG00000231734.4	-0.879151766	-1.954403951	0.050653464
GSTT2	ENST00000419662.1	ENSG00000228265.1	0.893903397	1.973249531	0.04846714

GSTT2	ENST00000422763.1	ENSG00000231131.2	-0.800316275	-1.801414814	0.071637523
GSTT2	ENST00000423428.1	ENSG00000224048.1	-0.847334906	-1.868972203	0.061626682
GSTT2	ENST00000426237.2	ENSG00000235527.2	0.859521917	1.884429092	0.059506958
GSTT2	ENST00000426302.1	ENSG00000230454.1	0.834329652	1.891238233	0.05859255
GSTT2	ENST00000426475.1	ENSG00000239467.1	0.81945661	1.822302413	0.068409112
GSTT2	ENST00000426519.1	ENSG00000234142.1	0.806012173	1.804847318	0.071098578
GSTT2	ENST00000428765.1	ENSG00000230107.1	0.813759281	1.823773616	0.068186304
GSTT2	ENST00000429080.1	ENSG00000233047.1	-0.893922726	-2.000395731	0.045457549
GSTT2	ENST00000430920.1	ENSG00000234203.1	0.934997034	2.095544104	0.036122652
GSTT2	ENST00000431730.1	ENSG00000237401.2	0.821228979	1.841812058	0.065502646
GSTT2	ENST00000433051.1	ENSG00000233193.1	0.801041907	1.783025971	0.074582076
GSTT2	ENST00000433905.2	ENSG00000229299.2	0.930352384	2.079615887	0.037560779
GSTT2	ENST00000435287.1	ENSG00000227220.1	0.822286774	1.82432539	0.068102894
GSTT2	ENST00000438190.1	ENSG00000227214.2	0.942477026	2.098911327	0.035824718
GSTT2	ENST00000440595.1	ENSG00000228265.1	0.851376413	1.914712429	0.055529188
GSTT2	ENST00000441592.2	ENSG00000224078.8	0.875931039	1.947466583	0.051478822
GSTT2	ENST00000442829.1	ENSG00000225284.1	0.862533592	1.921986023	0.054607516
GSTT2	ENST00000446562.1	ENSG00000233896.1	0.83435811	1.859513779	0.062954348
GSTT2	ENST00000447343.2	ENSG00000229299.2	0.902193294	2.039406513	0.041409473
GSTT2	ENST0000044858.1	ENSG00000237734.1	-0.86801145	-1.934704191	0.053026606
GSTT2	ENST00000451507.1	ENSG00000229539.1	0.882547093	1.96453911	0.049467605
GSTT2	ENST00000452176.1	ENSG00000223659.1	-0.888750756	-1.98912434	0.04668748
GSTT2	ENST00000453051.1	ENSG00000229407.1	0.871354047	1.979801685	0.047725817
GSTT2	ENST00000458154.1	ENSG00000235578.1	0.867379262	1.954812517	0.050605203
GSTT2	ENST00000458194.1	ENSG00000226193.1	0.822359616	1.858133911	0.06315
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GSTT2	ENST00000468165.1	ENSG00000239480.1	0.926458182	2.076885405	0.037812137
GSTT2	ENST00000489077.1	ENSG00000244198.1	0.978627358	2.172970867	0.02978251
GSTT2	ENST00000489090.1	ENSG00000240045.1	-0.803276936	-1.814513374	0.069598726
GSTT2	ENST00000498693.1	ENSG00000244198.1	0.925094304	2.072953484	0.038176609
GSTT2	ENST00000503723.1	ENSG00000250472.1	-0.981956545	-2.189851105	0.028535037
GSTT2	ENST00000506723.2	ENSG00000249484.4	-0.831665593	-1.842218943	0.065443131
GSTT2	ENST00000506791.1	ENSG00000251131.1	0.913980056	2.02178842	0.043198215
GSTT2	ENST00000509036.1	ENSG00000251131.1	0.919737406	2.053378325	0.0400359
GSTT2	ENST00000509192.1	ENSG00000250765.1	0.92037385	2.055760244	0.039805632
GSTT2	ENST00000509453.1	ENSG00000249145.1	0.879603764	1.95209837	0.050926527
GSTT2	ENST00000510570.1	ENSG00000250438.1	-0.866460349	-1.939582031	0.052430506
GSTT2	ENST00000515128.1	ENSG00000248215.1	-0.869598588	-1.939812078	0.052402532
GSTT2	ENST00000517846.1	ENSG00000254485.1	0.888488083	2.034826086	0.041868375
GSTT2	ENST00000520603.1	ENSG00000254001.1	-0.932081132	-2.071073074	0.038351968
GSTT2	ENST00000521653.1	ENSG00000253301.1	0.922678883	2.069680723	0.038482253
GSTT2	ENST00000527086.1	ENSG00000255182.1	0.809785379	1.788330235	0.073722745
GSTT2	ENST00000529247.1	ENSG00000254741.1	0.883764275	1.970325271	0.048801104
GSTT2	ENST00000537850.1	ENSG00000251002.3	0.825138147	1.878323871	0.060336873
GSTT2	ENST00000543072.1	ENSG00000256092.2	-0.824688135	-1.83626507	0.066318463
GSTT2	ENST00000543275.1	ENSG00000256944.1	0.906407438	2.015831088	0.043817642
GSTT2	ENST00000543403.1	ENSG00000256684.1	-0.847467995	-1.89270927	0.058396543
GSTT2	ENST00000543494.1	ENSG00000256514.1	0.810156346	1.821899595	0.068470222
GSTT2	ENST00000545177.3	ENSG00000230438.5	0.845908885	1.874016955	0.060928088
GSTT2	ENST00000549806.1	ENSG00000257252.1	0.908059616	2.039827033	0.041367556
GSTT2	ENST00000550263.1	ENSG00000257605.1	0.828224121	1.84381107	0.065210679

GSTT2	ENST00000558575.1	ENSG00000259687.1	0.868643988	1.930835743	0.053503369
GSTT2	ENST00000562191.1	ENSG00000261292.1	-0.859783612	-1.928028944	0.053851526
GSTT2	ENST00000563018.1	ENSG00000260193.1	0.833893378	1.871415609	0.061287497
GSTT2	ENST00000563610.1	ENSG00000260051.1	0.863751465	1.938747342	0.052532111
GSTT2	ENST00000563611.1	ENSG00000261583.1	0.980502324	2.198769569	0.027894311
GSTT2	ENST00000564809.1	ENSG00000261471.1	0.923048879	2.066445436	0.03878644
GSTT2	ENST00000565735.1	ENSG00000261213.1	-0.830315874	-1.87301949	0.061065694
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GSTT2	ENST00000570493.2	ENSG00000261898.2	0.847844805	1.913488918	0.055685491
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GSTT2	ENST00000579775.1	ENSG00000264108.1	0.82803842	1.865538827	0.062105915
GSTT2	ENST00000580622.1	ENSG00000264634.1	0.881012268	1.991557359	0.046419646
GSTT2	ENST00000582044.1	ENSG00000263715.2	0.966406323	2.156980109	0.031007214
GSTT2	ENST00000582558.1	ENSG00000264569.1	0.863819593	1.94719471	0.051511396
GSTT2	ENST00000586694.1	ENSG00000267141.1	0.805090001	1.82174376	0.068493875
GSTT2	ENST00000588182.2	ENSG00000267453.2	0.808134705	1.817863953	0.069084929
GSTT2	ENST00000588380.1	ENSG00000266990.1	0.90829165	2.018434128	0.043546068
GSTT2	ENST00000588402.1	ENSG00000267006.1	-0.873770332	-1.954122883	0.050686686
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GSTT2	ENST00000594590.2	ENSG00000268199.2	0.849409344	1.906448352	0.056592061
GSTT2	ENST00000594776.1	ENSG00000269807.1	0.801190402	1.776589564	0.075635794
GSTT2	ENST00000594850.1	ENSG00000268093.1	0.84122265	1.84332686	0.065281302
GSTT2	ENST00000595478.1	ENSG00000237031.3	-0.822644402	-1.838229529	0.06602859
GSTT2	ENST00000596091.1	ENSG00000227733.4	-0.891114644	-2.020446691	0.043337074
GSTT2	ENST00000596887.1	ENSG00000237031.3	-0.938849714	-2.124892379	0.033595594
GSTT2	ENST00000597169.1	ENSG00000269720.1	0.862197773	1.937709835	0.052658633
GSTT2	ENST00000597256.1	ENSG00000267986.1	0.905490319	1.988694482	0.046734935
GSTT2	ENST00000598092.1	ENSG00000228065.6	-0.893805557	-2.005536638	0.044905708
GSTT2	ENST00000600242.1	ENSG00000269583.1	0.901100189	2.002685167	0.045211092
GSTT2	ENST00000600726.1	ENSG00000267858.1	0.94413475	2.08844458	0.03675775
GSTT2	ENST00000601033.1	ENSG00000268401.1	0.820279391	1.838924793	0.065926249
GSTT2	ENST00000604142.1	ENSG00000271308.1	0.972273949	2.167524419	0.03019489
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GSTT2	ENST00000606277.1	ENSG00000272145.1	0.859877609	1.937173628	0.052724123
GSTT2	ENST00000606441.1	ENSG00000272277.1	0.832990284	1.849961561	0.06431909
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GSTT2	ENST00000606909.1	ENSG00000271821.1	0.917477542	2.037138843	0.04163613
GSTT2	ENST00000607224.1	ENSG00000272521.1	0.852811561	1.89327216	0.058321685
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GSTT2	ENST00000607943.1	ENSG00000273188.1	0.984132574	2.252689427	0.024278738
GSTT2	ENST00000608367.1	ENSG00000273361.1	0.896645792	1.986601925	0.046966528
GSTT2	ENST00000608489.1	ENSG00000272716.1	0.898970621	2.003817376	0.045089627
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GSTT2	ENST00000609113.1	ENSG00000272827.1	0.85823561	1.935864729	0.052884271
GSTT2	NR_003604.2	ZFAS1	0.850936254	1.891322181	0.05858135

GSTT2	NR_003605.1	ZFAS1	0.86509083	1.94275063	0.052046296
GSTT2	NR_003606.2	ZFAS1	0.842328821	1.879237211	0.060212111
GSTT2	NR_026802.1	FAM74A4	0.922279966	2.050414551	0.040323994
GSTT2	NR_026813.1	LINC00597	-0.81702406	-1.805470611	0.07100107
GSTT2	NR_026951.1	LINC00324	0.884335258	1.957886336	0.050243352
GSTT2	NR_027052.1	THAP7-AS1	0.937792388	2.088226917	0.03677737
GSTT2	NR_027271.1	CIRBP-AS1	0.89894563	2.014610848	0.04394544
GSTT2	NR_036480.1	VPS9D1-AS1	0.861117886	1.921639029	0.054651194
GSTT2	NR_036658.1	ZFAS1	0.846274034	1.892562875	0.058416025
GSTT2	NR_037169.1	LOC100507547	0.915670743	2.044377342	0.040916284
GSTT2	NR_037170.1	LOC100507547	0.877987317	1.969458279	0.048900489
GSTT2	NR_038421.1	LINC01220	0.963405181	2.176756025	0.029498776
GSTT2	NR_038923.1	SSSCA1-AS1	0.969777998	2.162152778	0.030606402
GSTT2	NR_045114.1	PVRL3-AS1	-0.91719455	-2.04493975	0.040860798
GSTT2	NR_046871.1	LINC00333	-0.861545173	-1.951979268	0.050940666
GSTT2	NR_047116.1	HIF1A-AS1	-0.815388926	-1.849232379	0.064424265
GSTT2	NR_072981.1	LINC00957	0.91643811	2.07616147	0.03787902
GSTT2	NR_072982.1	LINC00957	0.91060924	2.025546846	0.042811243
GSTT2	NR_105010.1	LINC01333	0.882667304	1.991172338	0.046461944
GSTT2	NR_108106.1	LINC01135	0.857920128	1.932804219	0.05326032
GSTT2	NR_109831.1	RASSF1-AS1	0.869300508	1.953153787	0.050801375
GSTT2	NR_109885.1	RALY-AS1	0.866981281	1.932574242	0.053288668
GSTT2	NR_109886.1	RALY-AS1	0.899317381	2.015383746	0.043864456
GSTT2	NR_110245.1	LOC101929282	-0.929261858	-2.077295371	0.037774306
GSTT2	NR_110556.1	LOC102724890	-0.866780469	-1.931237327	0.05345371
GSTT2	NR_110630.1	LOC101927478	0.938577593	2.062163779	0.039192146
GSTT2	NR_110941.1	MIR762HG	0.921870396	2.057237812	0.039663356
GSTT2	NR_110998.1	FAM74A4	0.922279966	2.068114571	0.038629251
GSTT2	NR_111951.1	LINC00869	0.916371268	2.050715759	0.040294635
GSTT2	NR_111952.1	LINC00869	0.918989719	2.028531027	0.04250608
GSTT2	NR_111953.1	LINC00869	0.909302579	2.015776149	0.043823389
GSTT2	NR_125849.1	LOC101928140	-0.833651138	-1.862802205	0.0624901
GSTT2	NR_125957.1	LOC101928626	-0.888750756	-1.996381918	0.045892367
GSTT2	NR_126522.1	EXOC3-AS1	0.929596952	2.075808726	0.037911645
GSTT2	NR_130143.1	LOC104968399	0.897991922	2.013122197	0.044101776
GSTT2	NR_134520.1	LOC727993	0.849437625	1.880681614	0.060015242
GSTT2	NR_135024.1	LOC105369747	0.91994999	2.04195948	0.041155551
GSTT2	NR_135041.1	LOC101927038	0.810962984	1.795241623	0.072615212
GSTT2	NR_135097.1	LOC105369443	-0.847467995	-1.901614764	0.057221536
GSTT2	NR_135584.1	LOC101927596	0.879000703	1.987576686	0.046858527
GSTT2	NR_136215.1	VCAN-AS1	-0.853337676	-1.897775162	0.057725707
GSTT2	NR_144459.1	ARSD-AS1	0.844971034	1.896552234	0.05788706
GTF2H2C	ENST00000414098.2	ENSG00000234428.2	-0.8556295	-1.912094273	0.055864103
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GTF2H2C	ENST00000419103.1	ENSG00000227014.1	0.90086227	2.01174167	0.044247176
GTF2H2C	ENST00000422204.1	ENSG00000238160.1	0.865112746	1.942036978	0.052132624
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GTF2H2C	ENST00000425124.1	ENSG00000232336.1	0.868481014	1.926343603	0.054061484
GTF2H2C	ENST00000431730.1	ENSG00000237401.2	0.828151278	1.840464721	0.065700039

GTF2H2C	ENST00000433035.1	ENSG00000230483.1	0.859487392	1.935772807	0.052895533
GTF2H2C	ENST00000435287.1	ENSG00000227220.1	0.821033896	1.824150074	0.068129387
GTF2H2C	ENST00000439443.1	ENSG00000236911.2	0.814149105	1.810446997	0.070226497
GTF2H2C	ENST00000440492.1	ENSG00000233975.1	0.835618744	1.86799238	0.061763133
GTF2H2C	ENST00000441160.1	ENSG00000228437.1	-0.823790733	-1.834306767	0.06660847
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GTF2H2C	ENST00000451507.1	ENSG00000229539.1	0.815037526	1.811025038	0.070136976
GTF2H2C	ENST00000451648.1	ENSG00000232803.1	0.828564815	1.864962994	0.062186591
GTF2H2C	ENST00000454100.1	ENSG00000236943.2	0.969855363	2.163307447	0.030517541
GTF2H2C	ENST00000454182.1	ENSG00000230379.1	-0.800184841	-1.793193982	0.072941912
GTF2H2C	ENST00000457371.1	ENSG00000237401.2	0.837788449	1.864329029	0.062275513
GTF2H2C	ENST00000480919.1	ENSG00000242474.1	0.950091264	2.110765686	0.034792457
GTF2H2C	ENST00000487368.1	ENSG00000273328.1	0.829046366	1.836309105	0.066311954
GTF2H2C	ENST00000500496.2	ENSG00000245479.2	0.858933565	1.925813591	0.054127654
GTF2H2C	ENST00000507525.1	ENSG00000250431.1	-0.89481238	-2.024862929	0.042881441
GTF2H2C	ENST00000509453.1	ENSG00000249145.1	0.901783759	2.03197452	0.042156235
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GTF2H2C	ENST00000532454.1	ENSG00000255120.1	0.914979783	2.009680745	0.044464989
GTF2H2C	ENST00000534178.1	ENSG00000255120.1	0.827775716	1.854982792	0.063598684
GTF2H2C	ENST00000537032.1	ENSG00000255933.1	0.833296373	1.856970564	0.063315342
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GTF2H2C	ENST00000559959.1	ENSG00000259396.1	0.989704445	2.22789671	0.025887404
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GTF2H2C	NR_108068.1	LINC00836	0.863299311	1.94382098	0.051917043
GTF2H2C	NR_108085.1	OVOL1-AS1	0.88871395	1.981897203	0.047490747
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HIST1H2BA	ENST00000560268.1	ENSG00000259287.1	-0.930957188	-2.081429333	0.037394626
HIST1H2BA	ENST00000561039.1	ENSG00000259536.1	-0.810327838	-1.793287995	0.072926886
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HIST1H2BA	ENST00000563408.1	ENSG00000260733.1	0.885484547	1.977843697	0.047946342
HIST1H2BA	ENST00000565441.1	ENSG00000261013.1	0.924701234	2.052308132	0.040139726
HIST1H2BA	ENST00000566390.1	ENSG00000260213.1	0.821120755	1.819498947	0.068835343
HIST1H2BA	ENST00000568414.1	ENSG00000260986.1	0.818663173	1.816708646	0.069261737
HIST1H2BA	ENST00000571775.1	ENSG00000262456.1	-0.812436535	-1.806686713	0.070811141
HIST1H2BA	ENST00000572193.1	ENSG00000261872.1	0.990022978	2.239132049	0.025147325
HIST1H2BA	ENST00000576632.1	ENSG00000262172.1	-0.846327801	-1.873911347	0.060942645
HIST1H2BA	ENST00000580085.1	ENSG00000266490.1	0.859030533	1.930111986	0.053592964
HIST1H2BA	ENST00000580184.1	ENSG00000264914.1	-0.934759111	-2.070167368	0.038436674
HIST1H2BA	ENST00000587702.1	ENSG00000267378.1	0.843496758	1.874970723	0.060796751
HIST1H2BA	ENST00000592523.1	ENSG00000226994.3	0.821072192	1.827166883	0.067674681
HIST1H2BA	ENST00000594589.1	ENSG00000269321.1	-0.80527082	-1.821234253	0.068571256
HIST1H2BA	ENST00000595737.1	ENSG00000228065.6	0.902857439	2.053369567	0.040036749
HIST1H2BA	ENST00000595972.1	ENSG00000230333.2	0.850775987	1.92443073	0.054300616
HIST1H2BA	ENST00000597550.1	ENSG00000269051.1	0.802269646	1.781578903	0.074817927
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HIST1H2BA	ENST00000601420.1	ENSG00000269560.1	-0.940511211	-2.095800033	0.036099933
HIST1H2BA	ENST00000602598.1	ENSG00000269944.1	0.830112726	1.856561995	0.063373495
HIST1H2BA	ENST00000602835.1	ENSG00000270096.1	0.872352975	1.978819554	0.047836326
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HIST1H2BA	ENST00000605021.1	ENSG00000271401.1	0.843614693	1.872017259	0.061204216
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HIST1H2BA	NR_047115.1	PPP2R2B-IT1	0.957994596	2.149413962	0.0316016
HIST1H2BA	NR_102703.1	MAGEA8-AS1	0.947914	2.092949431	0.036353669
HIST1H2BA	NR_103830.1	LINC00587	0.8821509	2.012594364	0.04415732
HIST1H2BA	NR_110160.1	LOC100996249	-0.895106523	-2.025796231	0.04278567
HIST1H2BA	NR_110731.1	LINC01232	-0.900909976	-2.030243076	0.042331837
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HIST1H2BA	NR_131963.1	LVCAT5	0.963591256	2.149420137	0.031601111
HIST1H2BA	NR_134566.1	LOC105372695	0.962959321	2.152212916	0.031380589
HIST1H2BA	NR_134664.1	LOC105374366	0.814848862	1.818016851	0.069061557
HIST1H2BA	NR_134665.1	LOC105374366	0.806810106	1.795849678	0.072518428
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HIST1H2BF	ENST00000424257.1	ENSG00000231626.1	0.868864279	1.933501907	0.053174398
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HIST1H2BF	ENST00000428391.1	ENSG00000224691.1	0.939208972	2.075227649	0.037965441
HIST1H2BF	ENST00000429681.1	ENSG00000235236.1	0.918722519	2.064302056	0.038989086
HIST1H2BF	ENST00000430025.1	ENSG00000233508.1	0.856681907	1.924104547	0.05434148
HIST1H2BF	ENST00000432699.1	ENSG00000233334.2	-0.856979279	-1.921390154	0.054682539
HIST1H2BF	ENST00000441991.1	ENSG00000231210.2	0.844598926	1.875751875	0.060689359
HIST1H2BF	ENST00000443066.2	ENSG00000237633.2	-0.86350243	-1.932199217	0.053334922
HIST1H2BF	ENST00000451697.1	ENSG00000233823.1	0.877240581	1.960136936	0.049979787
HIST1H2BF	ENST00000456999.1	ENSG00000230690.1	-0.813898265	-1.814078356	0.069665663
HIST1H2BF	ENST00000473329.1	ENSG00000243849.1	0.90548527	2.026574485	0.042705948
HIST1H2BF	ENST00000486285.1	ENSG00000241818.1	-0.830377035	-1.867627462	0.061814016
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HIST1H2BF	ENST00000570022.1	ENSG00000261399.1	-0.956680028	-2.146619094	0.031823619
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HIST1H2BF	ENST00000593218.1	ENSG00000267421.2	-0.814375703	-1.812215427	0.069952916
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HIST1H2BF	ENST00000602051.1	ENSG00000227877.2	0.859637413	1.962626135	0.049689632
HIST1H2BF	ENST00000602741.1	ENSG00000270061.1	0.879773732	1.950701569	0.051092557
HIST1H2BF	ENST00000607600.1	ENSG00000272114.1	0.868501542	1.931801321	0.053384033
HIST1H2BF	ENST00000607991.1	ENSG00000273076.1	0.91280399	2.038884686	0.041461538
HIST1H2BF	ENST00000608934.1	ENSG00000273063.1	-0.845538805	-1.903085088	0.057029443
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HIST1H2BF	NR_026713.1	FAM182A	-0.83691016	-1.871309715	0.061302165
HIST1H2BF	NR_046783.1	KCND3-IT1	0.890670466	1.972799494	0.048518411
HIST1H2BF	NR_102738.1	LINC00911	0.816594623	1.821540197	0.068524782
HIST1H2BF	NR_110702.1	SEMA3B-AS1	0.883402967	1.988490976	0.046757416
HIST1H2BF	NR_120595.1	LINC01315	0.894778649	2.00672893	0.044778534
HIST1H2BF	NR_121577.1	NALT1	0.943167299	2.127544975	0.033374829
HIST1H2BF	NR_125759.1	PKNOX2-AS1	0.827721677	1.867980634	0.06176477
HIST1H2BF	NR_125774.1	LINC01170	-0.868260176	-1.947523963	0.05147195
HIST1H2BF	NR_131985.1	CRAT8	0.929880906	2.075659702	0.037925435
HIST1H2BF	NR_134910.1	LOC102725254	-0.875363816	-1.944242877	0.05186617
HIST1H2BF	NR_135251.1	LOC101928143	0.873579513	1.951396504	0.051009897
HIST1H4B	ENST00000295549.4	ENSG00000163364.5	0.861448262	1.936767147	0.052773813
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HIST1H4B	ENST00000600365.1	ENSG00000231898.4	0.8090968	1.802099845	0.071529698
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HIST1H4B	NR_033914.1	LINC00254	0.859911817	1.91077064	0.056034062
HIST1H4B	NR_038194.1	LINC00583	0.915254242	2.042890408	0.041063288
HIST1H4B	NR_038954.1	LL22NC01-81G9.3	-0.841907694	-1.899766164	0.057463813
HIST1H4B	NR_040001.2	LINC01116	0.902863714	2.029513489	0.042406016
HIST1H4B	NR_104618.1	LINC01017	0.864939836	1.933090112	0.053225098
HIST1H4B	NR_104620.1	LINC01672	0.853781366	1.887773941	0.059056305
HIST1H4B	NR_104998.1	LOC102467225	0.895395123	1.987391861	0.046878989
HIST1H4B	NR_110123.1	GRM7-AS3	0.880335128	1.973695884	0.048416333
HIST1H4B	NR_120566.1	LOC101928896	0.91417151	2.014271764	0.043981009
HIST1H4B	NR_131186.1	LOC105377348	0.932284463	2.10830054	0.035005001
HIST1H4B	NR_134565.1	LOC101928807	-0.957307415	-2.150852974	0.031487806
HIST1H4B	NR_135274.1	LOC105370619	0.893379677	2.009788907	0.044453535
HIST1H4B	NR_135549.1	LOC101929411	0.828492862	1.871486848	0.061277631
HIST1H4B	NR_135840.1	LOC105376114	0.862578526	1.939625082	0.05242527
HIST1H4B	NR_138419.1	ARHGEP9-IT1	0.806890987	1.791457017	0.073219986
HIST1H4D	ENST00000398777.3	ENSG00000240152.2	0.810166356	1.812588822	0.069895263

HIST1H4D	ENST00000400768.2	ENSG00000215692.2	0.84776381	1.89575054	0.057993039
HIST1H4D	ENST00000413969.1	ENSG00000224189.2	0.832390523	1.86585042	0.062062296
HIST1H4D	ENST00000414377.1	ENSG00000230470.1	0.947222714	2.145507788	0.031912269
HIST1H4D	ENST00000417782.1	ENSG00000228587.1	0.954993046	2.111139105	0.034760357
HIST1H4D	ENST00000418741.1	ENSG00000227332.1	0.927058715	2.095630645	0.036114969
HIST1H4D	ENST00000420830.1	ENSG00000231512.1	0.930727464	2.074229584	0.038057994
HIST1H4D	ENST00000421252.2	ENSG00000250258.1	-0.837718134	-1.871987997	0.061208264
HIST1H4D	ENST00000421737.1	ENSG00000232316.1	0.888471903	1.985507165	0.047088074
HIST1H4D	ENST00000428769.1	ENSG00000232738.1	0.878845606	1.962776283	0.049672175
HIST1H4D	ENST00000430534.1	ENSG00000229297.1	-0.853087489	-1.90933409	0.056219007
HIST1H4D	ENST00000430728.1	ENSG00000232316.1	0.955212854	2.111228145	0.034752707
HIST1H4D	ENST00000432314.1	ENSG00000231532.1	0.893366024	1.980641236	0.047631521
HIST1H4D	ENST00000433174.1	ENSG00000162947.4	0.851379117	1.916705014	0.055275418
HIST1H4D	ENST00000434790.1	ENSG00000240040.1	-0.949850984	-2.101082191	0.035633752
HIST1H4D	ENST00000435271.1	ENSG00000231132.1	-0.822718831	-1.836745785	0.066247433
HIST1H4D	ENST00000435315.2	ENSG00000226751.2	0.863542486	1.926655248	0.054022609
HIST1H4D	ENST00000435832.1	ENSG00000229201.1	0.814214761	1.823856667	0.068173744
HIST1H4D	ENST00000440947.1	ENSG00000225472.1	0.926722998	2.107614894	0.035064314
HIST1H4D	ENST00000441160.1	ENSG00000228437.1	-0.833380876	-1.849170618	0.06443318
HIST1H4D	ENST00000447538.2	ENSG00000224189.2	0.902042253	2.029086917	0.042449438
HIST1H4D	ENST00000448431.1	ENSG00000232548.1	0.822445673	1.825347301	0.067948637
HIST1H4D	ENST00000450226.1	ENSG00000231512.1	0.959586493	2.164908552	0.030394689
HIST1H4D	ENST00000450365.1	ENSG00000224404.1	0.872142845	1.974204692	0.048358473
HIST1H4D	ENST00000451556.2	ENSG00000228386.2	0.941403768	2.091535704	0.036480069
HIST1H4D	ENST00000451575.2	ENSG00000224251.2	0.86840704	1.959207329	0.050088511
HIST1H4D	ENST00000453889.1	ENSG00000224750.2	0.93524305	2.088120414	0.036786974
HIST1H4D	ENST00000455699.1	ENSG00000240996.1	0.894966329	2.002025572	0.045281981
HIST1H4D	ENST00000458661.2	ENSG00000236467.3	0.921805679	2.078717703	0.037643305
HIST1H4D	ENST00000469931.2	ENSG00000272030.1	0.873479183	1.975041829	0.048263401
HIST1H4D	ENST00000481334.1	ENSG00000242440.1	0.810511062	1.833623414	0.066709914
HIST1H4D	ENST00000496247.1	ENSG00000241882.1	0.875130396	1.974835487	0.04828682
HIST1H4D	ENST00000504017.1	ENSG00000248388.1	0.860595219	1.905037495	0.056775197
HIST1H4D	ENST00000504344.1	ENSG00000251438.1	0.871118083	1.973545916	0.048433399
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HIST1H4D	ENST00000508825.1	ENSG00000250775.1	0.874284507	1.946170017	0.05163432
HIST1H4D	ENST00000508986.1	ENSG00000249491.1	0.978478414	2.178312011	0.029382816
HIST1H4D	ENST00000513179.1	ENSG00000251580.1	0.929010688	2.057656878	0.039623083
HIST1H4D	ENST00000515205.1	ENSG00000251580.1	0.934644223	2.084864697	0.037081584
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HIST1H4D	ENST00000532680.1	ENSG00000255458.1	0.903089627	1.973425678	0.048447084
HIST1H4D	ENST00000536529.1	ENSG00000256422.1	0.816249884	1.836009765	0.066356212
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HIST1H4D	ENST00000545593.1	ENSG00000256972.1	0.838990048	1.856574635	0.063371695
HIST1H4D	ENST00000547207.1	ENSG00000224189.2	0.975380314	2.167991109	0.030159363
HIST1H4D	ENST00000549140.1	ENSG00000258332.1	0.824993769	1.884724732	0.059467011



HIST1H4D	ENST00000549329.1	ENSG00000224189.2	0.908578038	2.021156264	0.043263592
HIST1H4D	ENST00000549487.1	ENSG00000257126.1	0.872993505	1.94737451	0.051489852
HIST1H4D	ENST00000552156.1	ENSG00000224189.2	0.949240944	2.11149636	0.03472967
HIST1H4D	ENST00000555636.1	ENSG00000259072.1	0.831738251	1.84367256	0.065230874
HIST1H4D	ENST00000555966.1	ENSG00000258843.1	0.818001372	1.811423201	0.070075367
HIST1H4D	ENST00000557965.1	ENSG00000259681.1	0.930471366	2.089426188	0.036669376
HIST1H4D	ENST00000558896.1	ENSG00000259176.1	0.820926167	1.853966058	0.063744016
HIST1H4D	ENST00000559003.1	ENSG00000259520.1	0.857582611	1.908563714	0.056318397
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HIST1H4D	ENST00000563841.1	ENSG00000261029.1	0.847747939	1.888990754	0.058893068
HIST1H4D	ENST00000565722.1	ENSG00000245768.2	0.907656301	2.01532854	0.043870236
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HIST1H4D	NR_046845.1	DNM3-IT1	0.90383247	2.051123711	0.040254901
HIST1H4D	NR_102703.1	MAGEA8-AS1	0.817278397	1.81472645	0.069565958
HIST1H4D	NR_104998.1	LOC102467225	0.814931771	1.811921772	0.069998285
HIST1H4D	NR_110480.1	LOC101927079	0.804802552	1.793629452	0.072872332
HIST1H4D	NR_120318.1	RORA-AS2	0.802692148	1.807406548	0.070698914
HIST1H4D	NR_120502.1	JARID2-AS1	-0.817586439	-1.803396535	0.071325961
HIST1H4D	NR_120655.1	KCNMA1-AS1	0.954547078	2.160410179	0.03074093
HIST1H4D	NR_134265.1	LINC02103	0.946486517	2.098309588	0.035877806

HIST1H4D	NR_134597.1	LOC105378068	0.815007029	1.843037728	0.065323502
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HLA-A	ENST00000318291.4	ENSG00000177406.4	0.885341161	1.974044795	0.04837665
HLA-A	ENST00000421020.1	ENSG00000231407.1	0.805173627	1.781062537	0.074902235
HLA-A	ENST00000421207.1	ENSG00000231768.1	0.918788851	2.043651707	0.040987967
HLA-A	ENST00000423428.1	ENSG00000224048.1	-0.810406131	-1.811497542	0.070063869
HLA-A	ENST00000423667.1	ENSG00000225970.1	0.878328175	2.009924772	0.044439151
HLA-A	ENST00000425124.1	ENSG00000232336.1	0.930296706	2.074570399	0.038026368
HLA-A	ENST00000425624.1	ENSG00000223779.4	0.970071065	2.183968578	0.028964557
HLA-A	ENST00000426237.2	ENSG00000235527.2	0.844044192	1.903253286	0.057007503
HLA-A	ENST00000426699.1	ENSG00000229308.1	0.947162796	2.101572672	0.035590726
HLA-A	ENST00000432314.1	ENSG00000231532.1	0.807989243	1.804725539	0.071117641
HLA-A	ENST00000433344.1	ENSG00000234083.1	-0.938886847	-2.110399309	0.034823976
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HLA-A	ENST00000435992.2	ENSG00000232675.3	0.91485858	2.040827322	0.041267994
HLA-A	ENST00000436982.2	ENSG00000235335.2	-0.878309102	-1.963734267	0.049560916
HLA-A	ENST00000438107.1	ENSG00000234449.2	0.820944448	1.829637746	0.067304126
HLA-A	ENST00000438190.1	ENSG00000227214.2	0.863750586	1.911654967	0.055920464
HLA-A	ENST00000439186.1	ENSG00000237076.1	0.864572495	1.908058099	0.056383708
HLA-A	ENST00000452176.1	ENSG00000223659.1	-0.835942922	-1.877816585	0.060406261
HLA-A	ENST00000454100.1	ENSG00000236943.2	0.82468146	1.837719067	0.066103813
HLA-A	ENST00000455788.1	ENSG00000236263.1	0.867593032	1.965656428	0.049338311
HLA-A	ENST00000458154.1	ENSG00000235578.1	0.908680266	2.01588926	0.043811557
HLA-A	ENST00000458364.1	ENSG00000225655.1	-0.836251273	-1.863591723	0.062379061
HLA-A	ENST00000484413.1	ENSG00000271853.1	0.909187647	2.032437787	0.042109356
HLA-A	ENST00000489077.1	ENSG00000244198.1	0.815981358	1.805497045	0.070996937
HLA-A	ENST00000494509.1	ENSG00000240095.1	0.873126002	1.960564691	0.049929825
HLA-A	ENST00000498693.1	ENSG00000244198.1	0.843533148	1.888779	0.058921448
HLA-A	ENST00000504891.1	ENSG00000249388.1	0.87408164	1.953894701	0.050713671
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HLA-A	ENST00000506100.1	ENSG00000249409.1	0.809582523	1.807627065	0.070664563
HLA-A	ENST00000506791.1	ENSG00000251131.1	0.902449868	2.016572164	0.04374018
HLA-A	ENST00000508083.1	ENSG00000249343.1	0.88440899	1.986500288	0.046977801
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HLA-A	ENST00000515128.1	ENSG00000248215.1	-0.849355728	-1.880091939	0.060095549
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HLA-A	ENST00000550263.1	ENSG00000257605.1	0.834829118	1.874374967	0.060878761
HLA-A	ENST00000556397.1	ENSG00000258654.1	0.823740038	1.826643542	0.067753382
HLA-A	ENST00000556786.1	ENSG00000258525.1	-0.85342704	-1.933327992	0.053195806
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HLA-A	ENST00000563841.1	ENSG00000261029.1	0.825913098	1.841767186	0.065509212
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HLA-A	ENST00000565965.1	ENSG00000261172.1	0.827553848	1.868119778	0.061745377
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HLA-A	ENST00000567395.1	ENSG00000261090.1	0.92654265	2.052133219	0.040156717
HLA-A	ENST00000568033.1	ENSG00000261480.1	0.827495575	1.857772303	0.063201356
HLA-A	ENST00000569981.1	ENSG00000238045.5	0.9226022	2.053507916	0.040023343
HLA-A	ENST00000570493.2	ENSG00000261898.2	0.916339805	2.048559769	0.040505182
HLA-A	ENST00000570512.1	ENSG00000262768.1	0.880594228	1.967087256	0.049173152
HLA-A	ENST00000570929.1	ENSG00000262223.2	0.839607812	1.874330674	0.060884862
HLA-A	ENST00000574365.1	ENSG00000262837.1	0.809167024	1.835451373	0.066438838
HLA-A	ENST00000577698.1	ENSG00000265100.1	0.825714092	1.839240414	0.065879833
HLA-A	ENST00000578265.1	ENSG00000214719.7	0.810505648	1.832334805	0.066901555
HLA-A	ENST00000582558.1	ENSG00000264569.1	0.872679007	1.935465448	0.052933205
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HLA-A	ENST00000585559.1	ENSG00000267117.1	0.969534085	2.15796823	0.030930302
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HLA-A	ENST00000592400.1	ENSG00000267735.1	0.9369739	2.096211471	0.036063436
HLA-A	ENST00000592720.1	ENSG00000267232.1	0.845023232	1.886549178	0.059220988
HLA-A	ENST00000595478.1	ENSG00000237031.3	-0.854390507	-1.900358544	0.057386083
HLA-A	ENST00000597169.1	ENSG00000269720.1	0.875949728	1.94892486	0.051304399
HLA-A	ENST00000599259.1	ENSG00000269352.1	0.888120473	2.003500229	0.045123623
HLA-A	ENST00000600489.1	ENSG00000231898.4	0.840554384	1.879490949	0.060177488
HLA-A	ENST00000600726.1	ENSG00000267858.1	0.801660004	1.800555736	0.071772931
HLA-A	ENST00000601692.1	ENSG00000267874.1	-0.975643669	-2.184719381	0.028909428
HLA-A	ENST00000601735.1	ENSG00000244513.2	0.874077462	1.93635906	0.05282374
HLA-A	ENST00000602594.1	ENSG00000269930.1	-0.830544236	-1.853830963	0.063763347
HLA-A	ENST00000602809.1	ENSG00000270105.1	-0.827928087	-1.821476567	0.068534446
HLA-A	ENST00000602949.1	ENSG00000270030.1	0.833170998	1.875445036	0.060731524
HLA-A	ENST00000604142.1	ENSG00000271308.1	0.844956484	1.910922983	0.056014479
HLA-A	ENST00000606377.1	ENSG00000272286.1	-0.879842284	-1.971080124	0.048714712
HLA-A	ENST00000606470.1	ENSG00000271913.1	0.919105591	2.03777288	0.041572652
HLA-A	ENST00000606743.1	ENSG00000272221.1	0.833959885	1.849768665	0.064346899
HLA-A	ENST00000607284.1	ENSG00000272389.1	0.916265581	2.05540563	0.039839842
HLA-A	ENST00000607943.1	ENSG00000273188.1	0.801147734	1.778985253	0.07524218
HLA-A	ENST00000609725.1	ENSG00000231898.4	0.808867827	1.818262042	0.069024091
HLA-A	ENST00000609972.1	ENSG00000230651.3	0.94391173	2.116836143	0.034273757
HLA-A	ENST00000610145.1	ENSG00000273175.1	0.84686233	1.873017742	0.061065935
HLA-A	ENST00000610161.1	ENSG00000273059.1	0.881762498	1.962436502	0.049711687
HLA-A	NR_003604.2	ZFAS1	0.810461901	1.822577715	0.068367373
HLA-A	NR_003605.1	ZFAS1	0.921139387	2.059043699	0.039490052
HLA-A	NR_003606.2	ZFAS1	0.808069911	1.804058388	0.071222154
HLA-A	NR_027271.1	CIRBP-AS1	0.803574013	1.799261786	0.07197728
HLA-A	NR_028324.1	LINC01002	0.867766911	1.945988751	0.051656091
HLA-A	NR_036480.1	VPS9D1-AS1	0.814240385	1.813297199	0.069785995
HLA-A	NR_036658.1	ZFAS1	0.817592267	1.813351655	0.069777601
HLA-A	NR_037169.1	LOC100507547	0.853458757	1.907543032	0.056450304
HLA-A	NR_037170.1	LOC100507547	0.841977107	1.886931189	0.059169581
HLA-A	NR_044996.1	HCG23	0.961904877	2.128958105	0.033257727
HLA-A	NR_045114.1	PVRL3-AS1	-0.814701752	-1.842838985	0.065352523

HLA-A	NR_072981.1	LINC00957	0.912781126	2.04747397	0.04061157
HLA-A	NR_072982.1	LINC00957	0.914757395	2.047476654	0.040611307
HLA-A	NR_105010.1	LINC01333	0.882947892	1.956050076	0.050459255
HLA-A	NR_108036.1	CFAP58-AS1	0.90132692	1.974922027	0.048276997
HLA-A	NR_109886.1	RALY-AS1	0.820611005	1.851496335	0.064098181
HLA-A	NR_120335.1	LOC101928414	0.920092116	2.048326936	0.040527975
HLA-A	NR_121189.1	PGM5P3-AS1	-0.857187185	-1.904610231	0.056830756
HLA-A	NR_125957.1	LOC101928626	-0.835942922	-1.853746762	0.063775398
HLA-A	NR_126166.1	FAM74A7	0.955161134	2.125534249	0.033542059
HLA-A	NR_138084.1	HCG24	0.86339591	1.946756944	0.051563881
HLA-A	NR_144459.1	ARSD-AS1	0.864784468	1.933085258	0.053225696
HLA-B	ENST00000412085.1	ENSG00000233825.1	0.84084246	1.892938074	0.058366105
HLA-B	ENST00000412759.1	ENSG00000236933.1	0.892657492	1.990752916	0.046508058
HLA-B	ENST00000415106.1	ENSG00000226733.1	-0.811684852	-1.816300073	0.069324354
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HLA-B	ENST00000419662.1	ENSG00000228265.1	0.882794322	1.965892536	0.049311025
HLA-B	ENST00000422763.1	ENSG00000231131.2	-0.832251188	-1.846801311	0.064775942
HLA-B	ENST00000426237.2	ENSG00000235527.2	0.867345379	1.929296152	0.053694107
HLA-B	ENST00000426475.1	ENSG00000239467.1	0.893483782	2.00173919	0.045312789
HLA-B	ENST00000426519.1	ENSG00000234142.1	0.801410925	1.810984462	0.070143257
HLA-B	ENST00000428765.1	ENSG00000230107.1	0.91438385	2.032297416	0.042123556
HLA-B	ENST00000429080.1	ENSG00000233047.1	-0.906595256	-2.037065529	0.041643476
HLA-B	ENST00000430920.1	ENSG00000234203.1	0.865619487	1.904724488	0.056815894
HLA-B	ENST00000433051.1	ENSG00000233193.1	0.834310929	1.865339727	0.0621338
HLA-B	ENST00000433905.2	ENSG00000229299.2	0.975154157	2.176682056	0.029504298
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HLA-B	ENST00000439184.1	ENSG00000233985.1	-0.829623409	-1.859430261	0.062966176
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HLA-B	ENST00000441592.2	ENSG00000224078.8	0.884661455	1.985192208	0.047123091
HLA-B	ENST00000447343.2	ENSG00000229299.2	0.97958298	2.205799307	0.027398055
HLA-B	ENST00000448570.1	ENSG00000224549.1	0.870543812	1.910470171	0.056072704
HLA-B	ENST00000449463.1	ENSG00000230309.1	-0.800422086	-1.790634002	0.073352047
HLA-B	ENST00000451507.1	ENSG00000229539.1	0.841453602	1.878456643	0.060318723
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HLA-B	ENST00000463255.1	ENSG00000243305.1	-0.824596121	-1.835488022	0.066433412
HLA-B	ENST00000468165.1	ENSG00000239480.1	0.91550787	2.072157812	0.038250726
HLA-B	ENST00000489077.1	ENSG00000244198.1	0.958345642	2.133815825	0.03285786
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HLA-B	ENST00000503723.1	ENSG00000250472.1	-0.944247772	-2.147065574	0.031788062
HLA-B	ENST00000504916.1	ENSG00000248112.1	-0.844889573	-1.895353064	0.058045642
HLA-B	ENST00000506791.1	ENSG00000251131.1	0.876898881	1.954322134	0.050663133
HLA-B	ENST00000509036.1	ENSG00000251131.1	0.89522872	1.999901331	0.045510919
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HLA-B	ENST00000517846.1	ENSG00000254485.1	0.869438318	1.97885762	0.047832039
HLA-B	ENST00000520603.1	ENSG00000254001.1	-0.903860854	-2.026614617	0.04270184
HLA-B	ENST00000521653.1	ENSG00000253301.1	0.877518264	1.968493852	0.049011243
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HLA-B	ENST00000543072.1	ENSG00000256092.2	-0.812613672	-1.794934113	0.072664198
HLA-B	ENST00000543275.1	ENSG00000256944.1	0.84525751	1.87889863	0.060258336
HLA-B	ENST00000545177.3	ENSG00000230438.5	0.812746716	1.834182596	0.066626894
HLA-B	ENST00000549806.1	ENSG00000257252.1	0.847290061	1.918874216	0.055000254
HLA-B	ENST00000558575.1	ENSG00000259687.1	0.825228421	1.833445468	0.066736351
HLA-B	ENST00000563611.1	ENSG00000261583.1	0.947288911	2.124990727	0.033587387
HLA-B	ENST00000564809.1	ENSG00000261471.1	0.858423429	1.92132749	0.054690434
HLA-B	ENST00000578800.1	ENSG00000264235.1	0.918361073	2.059395157	0.039456399
HLA-B	ENST00000579775.1	ENSG00000264108.1	0.817944831	1.83947038	0.065846031
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HLA-B	ENST00000582044.1	ENSG00000263715.2	0.958689902	2.133073144	0.032918726
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HLA-B	ENST00000588182.2	ENSG00000267453.2	0.874183917	1.96243933	0.049711358
HLA-B	ENST00000588380.1	ENSG00000266990.1	0.83141727	1.86662785	0.061953576
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HLA-B	ENST00000592525.1	ENSG00000267214.1	0.900516068	2.008422449	0.044598419
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HLA-B	ENST00000593218.1	ENSG00000267421.2	0.850560657	1.881326719	0.059927489
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HLA-B	ENST00000597169.1	ENSG00000269720.1	0.863206116	1.933477182	0.053177441
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HLA-B	ENST00000599352.1	ENSG00000240401.4	-0.869142795	-1.924657275	0.054272249
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HLA-B	ENST00000600726.1	ENSG00000267858.1	0.846245709	1.897800122	0.057722417
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HLA-B	ENST00000604142.1	ENSG00000271308.1	0.938434933	2.101414555	0.035604591
HLA-B	ENST00000604183.1	ENSG00000271185.1	0.895349351	2.001127214	0.045378682
HLA-B	ENST00000606277.1	ENSG00000272145.1	0.903894542	2.021240566	0.043254868
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HLA-B	ENST00000606743.1	ENSG00000272221.1	0.801974985	1.815914549	0.069383481
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HLA-B	ENST00000607052.1	ENSG00000271870.1	-0.80318219	-1.811813942	0.07001495
HLA-B	ENST00000607224.1	ENSG00000272521.1	0.934496894	2.085154809	0.03705525
HLA-B	ENST00000607476.1	ENSG00000272540.1	0.964398647	2.185325237	0.028865008
HLA-B	ENST00000607943.1	ENSG00000273188.1	0.909156956	2.002792484	0.045199567
HLA-B	ENST00000608677.1	ENSG00000273350.1	0.931139808	2.070123198	0.038440809
HLA-B	NR_003604.2	ZFAS1	0.80708569	1.820192033	0.068729766
HLA-B	NR_003606.2	ZFAS1	0.815913601	1.827147322	0.067677622
HLA-B	NR_024321.1	LINC00115	0.854684716	1.931253386	0.053451725
HLA-B	NR_026802.1	FAM74A4	0.888731853	2.022502432	0.043124473
HLA-B	NR_026813.1	LINC00597	-0.906147438	-2.030765454	0.042278793
HLA-B	NR_026951.1	LINC00324	0.828235407	1.844940065	0.065046258

HLA-B	NR_027052.1	THAP7-AS1	0.909012821	2.046249813	0.040731799
HLA-B	NR_027271.1	CIRBP-AS1	0.873367652	1.985999846	0.047033341
HLA-B	NR_036658.1	ZFAS1	0.816903884	1.848932837	0.064467511
HLA-B	NR_037169.1	LOC100507547	0.867255019	1.965128032	0.049399421
HLA-B	NR_037170.1	LOC100507547	0.82518887	1.842936628	0.065338264
HLA-B	NR_038421.1	LINC01220	0.894376805	2.0310402	0.042250917
HLA-B	NR_038923.1	SSSCA1-AS1	0.935757963	2.106219956	0.03518525
HLA-B	NR_045114.1	PVRL3-AS1	-0.934521847	-2.120467909	0.033966605
HLA-B	NR_046871.1	LINC00333	-0.868337801	-1.929346253	0.053687891
HLA-B	NR_047116.1	HIF1A-AS1	-0.921494425	-2.099262176	0.035793796
HLA-B	NR_051987.1	LINC00499	0.863354933	1.919865697	0.054874866
HLA-B	NR_072981.1	LINC00957	0.856117972	1.92032707	0.054816599
HLA-B	NR_072982.1	LINC00957	0.854494546	1.902673813	0.057083121
HLA-B	NR_105010.1	LINC01333	0.856940884	1.909681136	0.056174281
HLA-B	NR_108106.1	LINC01135	0.835477709	1.871988114	0.061208248
HLA-B	NR_109831.1	RASSF1-AS1	0.835530311	1.844227327	0.065150017
HLA-B	NR_109885.1	RALY-AS1	0.876038466	1.94368308	0.05193368
HLA-B	NR_109886.1	RALY-AS1	0.878956941	1.982820333	0.047387502
HLA-B	NR_110245.1	LOC101929282	-0.867414818	-1.927051003	0.053973274
HLA-B	NR_110630.1	LOC101927478	0.848499399	1.897995134	0.057696723
HLA-B	NR_110941.1	MIR762HG	0.98684969	2.204553764	0.027485423
HLA-B	NR_110998.1	FAM74A4	0.888731853	1.964048286	0.049524493
HLA-B	NR_111951.1	LINC00869	0.857600899	1.913783257	0.055647856
HLA-B	NR_111952.1	LINC00869	0.871727843	1.963534836	0.049584061
HLA-B	NR_111953.1	LINC00869	0.853142643	1.89163679	0.058539391
HLA-B	NR_126522.1	EXOC3-AS1	0.866543585	1.950612395	0.051103172
HLA-B	NR_130143.1	LOC104968399	0.91489618	2.048548479	0.040506287
HLA-B	NR_135024.1	LOC105369747	0.848794392	1.925273883	0.054195103
HLA-B	NR_135584.1	LOC101927596	0.862100045	1.920182793	0.054834814
HLA-B	NR_136215.1	VCAN-AS1	-0.909190796	-2.07069968	0.03838687
HLA-C	ENST00000381106.4	ENSG00000205663.5	-0.843114983	-1.87686134	0.060537101
HLA-C	ENST00000412348.1	ENSG00000228959.1	-0.871430114	-1.951805978	0.050961244
HLA-C	ENST00000415205.1	ENSG00000182057.4	0.844324878	1.874407346	0.060874302
HLA-C	ENST00000417260.1	ENSG00000231734.4	-0.800606846	-1.799135977	0.071997174
HLA-C	ENST00000418387.1	ENSG00000235056.1	-0.876540743	-1.951238245	0.051028711
HLA-C	ENST00000423428.1	ENSG00000224048.1	-0.803499473	-1.810114327	0.07027806
HLA-C	ENST00000426302.1	ENSG00000230454.1	0.984284709	2.193969948	0.02823757
HLA-C	ENST00000429080.1	ENSG00000233047.1	-0.858314123	-1.927525549	0.053914167
HLA-C	ENST00000430920.1	ENSG00000234203.1	0.923734	2.061400646	0.039264833
HLA-C	ENST00000433905.2	ENSG00000229299.2	0.825988945	1.834800495	0.066535255
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HLA-C	ENST00000442017.1	ENSG00000229660.1	0.820616192	1.854476497	0.06367102
HLA-C	ENST00000442829.1	ENSG00000225284.1	0.896748127	2.027889385	0.042571539
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HLA-C	ENST00000451034.1	ENSG00000229805.1	-0.95429401	-2.139731006	0.032376512
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HLA-C	ENST00000455373.1	ENSG00000226097.1	-0.909533048	-2.034585228	0.041892625
HLA-C	ENST00000457043.1	ENSG00000231365.1	-0.804664237	-1.79028724	0.073407746

HLA-C	ENST00000457998.2	ENSG00000233006.2	0.912029173	2.028167668	0.042543138
HLA-C	ENST00000468165.1	ENSG00000239480.1	0.938534161	2.107621576	0.035063736
HLA-C	ENST00000503505.1	ENSG00000248629.1	-0.860922161	-1.911768466	0.055905898
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HLA-C	ENST00000521653.1	ENSG00000253301.1	0.843000289	1.90301215	0.05703896
HLA-C	ENST00000522281.1	ENSG00000253376.1	-0.846383995	-1.884258049	0.059530079
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HLA-C	ENST00000522600.1	ENSG00000246582.2	0.833179192	1.890895884	0.058638244
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HLA-C	ENST00000527086.1	ENSG00000255182.1	0.943765654	2.125107395	0.033577653
HLA-C	ENST00000527274.2	ENSG00000255517.2	0.892898305	2.004409394	0.045026224
HLA-C	ENST00000527757.1	ENSG00000255109.1	-0.823377358	-1.871305698	0.061302721
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HLA-C	ENST00000537850.1	ENSG00000251002.3	0.893274267	1.988295186	0.046779053
HLA-C	ENST00000543275.1	ENSG00000256944.1	0.900203184	2.060039142	0.039394799
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HLA-C	NR_027052.1	THAP7-AS1	0.882178669	1.971636459	0.048651122
HLA-C	NR_027402.1	FAM223B	0.851398696	1.890076129	0.058747779
HLA-C	NR_038421.1	LINC01220	0.973272144	2.144516524	0.031991523
HLA-C	NR_038923.1	SSSCA1-AS1	0.903997527	2.01929783	0.043456273
HLA-C	NR_046871.1	LINC00333	-0.864553439	-1.92758351	0.053906952
HLA-C	NR_073552.1	LOC101059948	0.833369345	1.852180541	0.063999902
HLA-C	NR_108106.1	LINC01135	0.821000168	1.822595236	0.068364718
HLA-C	NR_109831.1	RASSF1-AS1	0.822112317	1.84412082	0.065165534
HLA-C	NR_109877.1	LINC01470	-0.899800033	-2.023963218	0.042973936
HLA-C	NR_110117.1	LOC101927769	-0.878927771	-1.961722195	0.049794836
HLA-C	NR_110245.1	LOC101929282	-0.905758728	-2.065173108	0.038906624
HLA-C	NR_110556.1	LOC102724890	-0.971321558	-2.197279768	0.028000472
HLA-C	NR_110630.1	LOC101927478	0.909912948	2.056088107	0.039774024
HLA-C	NR_111951.1	LINC00869	0.910867771	2.015061186	0.043898239
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HLA-C	NR_125849.1	LOC101928140	-0.885346739	-1.967038269	0.049178799
HLA-C	NR_133930.1	LOC105375556	-0.813425212	-1.830763302	0.06713588
HLA-C	NR_135040.1	LOC101927038	0.936541708	2.10997614	0.034860411
HLA-C	NR_135041.1	LOC101927038	0.919545802	2.046338689	0.04072306
HLA-C	NR_135584.1	LOC101927596	0.87516039	1.996444951	0.045885512



HLA-C	NR_144459.1	ARSD-AS1	0.800665957	1.827690827	0.067595966
HLA-DPA1	ENST00000318291.4	ENSG00000177406.4	0.803610287	1.781732511	0.074792862
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HLA-DPA1	ENST00000518473.1	ENSG00000253985.1	0.965574858	2.160229228	0.030754929
HLA-DPA1	ENST00000521307.1	ENSG00000253177.1	0.887387111	2.002139537	0.045269726
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HLA-DPA1	ENST00000556786.1	ENSG00000258525.1	-0.879007442	-1.992535988	0.046312281
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HLA-DPA1	ENST00000563841.1	ENSG00000261029.1	0.90519741	2.032499977	0.042103066
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HLA-DPA1	NR_072981.1	LINC00957	0.839343314	1.873944578	0.060938064
HLA-DPA1	NR_072982.1	LINC00957	0.84368058	1.907797267	0.056417424
HLA-DPA1	NR_108036.1	CFAP58-AS1	0.844214288	1.89177406	0.058521091
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HLA-DPA1	NR_120655.1	KCNMA1-AS1	0.822792816	1.827188066	0.067671498
HLA-DPA1	NR_126166.1	FAM74A7	0.989079977	2.198829658	0.027890037
HLA-DPA1	NR_134325.1	LOC102723672	0.840526834	1.870555113	0.061406771
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HLA-DQA1	NR_027425.1	FAM66D	-0.87786214	-1.977007519	0.04804078
HLA-DQA1	NR_046556.1	RBMS3-AS1	0.901453504	2.019751037	0.043409218
HLA-DQA1	NR_046748.1	ARHGAP31-AS1	0.862915685	1.912024784	0.055873015
HLA-DQA1	NR_102737.1	LINC00911	-0.846388337	-1.866240897	0.06200767
HLA-DQA1	NR_102738.1	LINC00911	-0.942825311	-2.136737329	0.032619362
HLA-DQA1	NR_110284.1	LOC101927907	0.965470103	2.136744483	0.03261878
HLA-DQA1	NR_110504.1	LOC101929572	-0.926012611	-2.088222567	0.036777763
HLA-DQA1	NR_110731.1	LINC01232	-0.852554826	-1.91039861	0.05608191
HLA-DQA1	NR_120330.1	LOC101928227	-0.805393761	-1.807339908	0.070709297
HLA-DQA1	NR_120466.1	LINC01489	0.962015462	2.13491351	0.032768076
HLA-DQA1	NR_125769.1	LINC01269	-0.907506397	-2.020765641	0.043304031
HLA-DQA1	NR_126041.1	LOC101930071	-0.801590627	-1.76370205	0.077782156
HLA-DQA1	NR_126354.1	LINC01331	-0.833616924	-1.840122327	0.06575028
HLA-DQA1	NR_126409.1	LINC00376	0.913636762	2.040969127	0.041253896
HLA-DQA1	NR_130916.1	LOC105274304	-0.960111653	-2.156202378	0.031067866
HLA-DQA1	NR_131243.1	SMCR2	-0.929103879	-2.050027061	0.04036179
HLA-DQA1	NR_133907.1	HLA-DQB1-AS1	0.865742618	1.937452039	0.052690111
HLA-DQA1	NR_134610.1	LOC105375014	-0.873636518	-1.965334721	0.049375509
HLA-DQA1	NR_134632.1	LOC105373051	-0.854236174	-1.904585876	0.056833924
HLA-DQA1	NR_135076.1	LOC102723838	0.814638517	1.79416304	0.07278715
HLA-DQA1	NR_135239.1	LINC01867	0.922165702	2.077407513	0.037763963
HLA-DRB1	ENST00000295549.4	ENSG00000163364.5	0.831578328	1.864788814	0.062211012
HLA-DRB1	ENST00000413645.1	ENSG00000228798.1	0.91996992	2.083841907	0.03717455
HLA-DRB1	ENST00000416657.1	ENSG00000235858.1	0.822805557	1.834457271	0.066586145
HLA-DRB1	ENST00000418972.1	ENSG00000225044.1	-0.911310284	-2.01021916	0.044407998
HLA-DRB1	ENST00000420315.1	ENSG00000228072.1	0.82205208	1.81317383	0.069805015
HLA-DRB1	ENST00000420465.1	ENSG00000167355.3	0.817701426	1.825702797	0.067895042
HLA-DRB1	ENST00000420498.1	ENSG00000224985.1	0.852255162	1.903856126	0.056928924
HLA-DRB1	ENST00000420981.2	ENSG00000230438.5	0.860173696	1.909703713	0.056171373
HLA-DRB1	ENST00000424181.1	ENSG00000224977.1	0.817421841	1.815143857	0.069501805
HLA-DRB1	ENST00000425371.2	ENSG00000235872.2	0.812300351	1.816477028	0.069297229
HLA-DRB1	ENST00000426444.1	ENSG00000239395.1	0.824563312	1.82949898	0.067324892
HLA-DRB1	ENST00000426653.1	ENSG00000235704.1	0.941502356	2.111289647	0.034747423
HLA-DRB1	ENST00000428853.2	ENSG00000229206.2	0.868289873	1.938701445	0.052537703
HLA-DRB1	ENST00000429608.1	ENSG00000237480.1	0.81697245	1.824631141	0.068056711
HLA-DRB1	ENST00000429630.1	ENSG00000232533.1	0.908007863	2.023512453	0.043020341
HLA-DRB1	ENST00000433036.1	ENSG00000228989.1	0.802796256	1.782139136	0.074726545
HLA-DRB1	ENST00000437330.1	ENSG00000229203.1	0.924883669	2.07271463	0.038198845
HLA-DRB1	ENST00000441029.2	ENSG00000229188.2	-0.813443137	-1.839889938	0.065784398
HLA-DRB1	ENST00000443306.1	ENSG00000233891.3	0.825472111	1.857298602	0.063268683
HLA-DRB1	ENST00000448365.1	ENSG00000231114.1	0.894937214	2.009604649	0.044473049
HLA-DRB1	ENST00000454928.1	ENSG00000186148.7	0.856671733	1.92216996	0.054584375
HLA-DRB1	ENST00000472596.1	ENSG00000239774.1	0.838365956	1.888562527	0.058950472
HLA-DRB1	ENST00000476892.1	ENSG00000241345.1	0.952046112	2.131258419	0.033067859
HLA-DRB1	ENST00000502300.1	ENSG00000249451.1	0.934710154	2.0870614	0.036882585
HLA-DRB1	ENST00000507997.1	ENSG00000250551.1	-0.921664373	-2.045395247	0.040815907
HLA-DRB1	ENST00000508188.1	ENSG00000250999.1	0.818055032	1.820094629	0.068744595
HLA-DRB1	ENST00000508241.1	ENSG00000248518.1	0.97231373	2.172117269	0.029846819

HLA-DRB1	ENST00000515750.1	ENSG00000249061.1	-0.894856093	-1.987901154	0.046822623
HLA-DRB1	ENST00000519451.1	ENSG00000253363.1	0.828774016	1.869053696	0.061615344
HLA-DRB1	ENST00000522524.1	ENSG00000253342.1	-0.841931597	-1.876036894	0.060650214
HLA-DRB1	ENST00000524073.1	ENSG00000253774.1	0.862403532	1.953526526	0.050757237
HLA-DRB1	ENST00000526154.1	ENSG00000254511.1	0.867316246	1.948540666	0.051350304
HLA-DRB1	ENST00000526694.1	ENSG00000231999.2	0.851784593	1.877648497	0.060429267
HLA-DRB1	ENST00000531627.1	ENSG00000254584.1	0.919449147	2.032397388	0.042113442
HLA-DRB1	ENST00000532249.1	ENSG00000234899.5	0.811952319	1.838440607	0.065997506
HLA-DRB1	ENST00000532688.1	ENSG00000255441.1	0.898367432	2.007440256	0.044702806
HLA-DRB1	ENST00000535720.1	ENSG00000256364.1	0.842493639	1.906312131	0.056609721
HLA-DRB1	ENST00000535746.1	ENSG00000256101.1	0.977512595	2.162240569	0.030599638
HLA-DRB1	ENST00000536412.1	ENSG00000256072.1	-0.845582429	-1.898819706	0.057588185
HLA-DRB1	ENST00000537921.1	ENSG00000255966.1	0.829670792	1.879215852	0.060215026
HLA-DRB1	ENST00000545642.1	ENSG00000256342.1	0.905417731	2.020763519	0.043304251
HLA-DRB1	ENST00000547750.1	ENSG00000257886.1	0.905619974	2.016087821	0.043790793
HLA-DRB1	ENST00000548199.1	ENSG00000257614.1	0.813974055	1.803752856	0.071270059
HLA-DRB1	ENST00000549303.1	ENSG00000257180.1	-0.878054068	-1.986169375	0.04701452
HLA-DRB1	ENST00000554197.1	ENSG00000197176.3	0.938700233	2.142288656	0.032170261
HLA-DRB1	ENST00000557232.1	ENSG00000259054.1	0.923442465	2.06516316	0.038907565
HLA-DRB1	ENST00000558515.1	ENSG00000259182.1	0.882732158	1.967578958	0.049116503
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HLA-DRB1	ENST00000561215.1	ENSG00000259611.1	0.918991324	2.081011768	0.037432829
HLA-DRB1	ENST00000562582.1	ENSG00000259779.1	0.800607683	1.787949511	0.073784154
HLA-DRB1	ENST00000567127.1	ENSG00000260264.1	-0.836210766	-1.872158808	0.061184636
HLA-DRB1	ENST00000568836.1	ENSG00000259967.1	0.870794688	1.943598612	0.051943873
HLA-DRB1	ENST00000570919.1	ENSG00000263321.1	0.837486005	1.845842682	0.064915051
HLA-DRB1	ENST00000572222.1	ENSG00000261971.2	-0.800750102	-1.81867314	0.068961312
HLA-DRB1	ENST00000578334.1	ENSG00000265148.1	0.806043419	1.82060384	0.068667099
HLA-DRB1	ENST00000586399.1	ENSG00000228430.4	0.931839496	2.102674291	0.035494251
HLA-DRB1	ENST00000589233.1	ENSG00000231616.4	0.840801959	1.885515453	0.05936028
HLA-DRB1	ENST00000589817.1	ENSG00000231616.4	0.927288779	2.06546934	0.038878614
HLA-DRB1	ENST00000590368.1	ENSG00000231616.4	0.97912245	2.207918978	0.027249922
HLA-DRB1	ENST00000590813.1	ENSG00000231616.4	0.954847372	2.127800194	0.033353653
HLA-DRB1	ENST00000590995.1	ENSG00000267198.1	0.95768549	2.154643684	0.031189728
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HLA-DRB1	ENST00000593642.1	ENSG00000267858.1	0.823920538	1.847316966	0.064701215
HLA-DRB1	ENST00000594492.1	ENSG00000250910.3	0.962415101	2.155324963	0.031136414
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HLA-DRB1	ENST00000596497.1	ENSG00000268530.1	0.883128622	1.968294399	0.049034174
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HLA-DRB1	ENST00000602485.1	ENSG00000270163.1	-0.801118941	-1.805490462	0.070997967
HLA-DRB1	ENST00000602614.1	ENSG00000269957.1	-0.834544396	-1.863593123	0.062378864
HLA-DRB1	ENST00000602773.1	ENSG00000270160.1	-0.967126968	-2.151413509	0.031443576
HLA-DRB1	ENST00000606841.1	ENSG00000272411.1	0.867453777	1.934226211	0.053085321
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HLA-DRB1	ENST00000607201.1	ENSG00000272024.1	-0.846368289	-1.881963993	0.059840905
HLA-DRB1	ENST00000608264.1	ENSG00000273473.1	0.854118779	1.917040329	0.055232808
HLA-DRB1	ENST00000609837.1	ENSG00000273106.1	0.928980374	2.091232349	0.036507241
HLA-DRB1	ENST00000609953.1	ENSG00000272825.1	0.898222464	2.023261775	0.043046166

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HLA-DRB1	NR_027401.2	FAM223A	0.886370352	1.972585082	0.048542854
HLA-DRB1	NR_028325.1	LOC100132062	0.855257268	1.915450338	0.055435097
HLA-DRB1	NR_046578.1	CACNA1C-AS4	0.87776755	1.974094557	0.048370992
HLA-DRB1	NR_046713.1	NAALADL2-AS2	-0.854569754	-1.92892412	0.053740283
HLA-DRB1	NR_046839.1	AGBL4-IT1	-0.849942532	-1.894343995	0.058179365
HLA-DRB1	NR_047040.1	LINC00424	0.849916662	1.915561653	0.055420914
HLA-DRB1	NR_049776.1	GPC5-AS1	0.819374294	1.845948033	0.064899751
HLA-DRB1	NR_103857.1	SP2-AS1	-0.854739988	-1.939076586	0.052492013
HLA-DRB1	NR_110053.1	LOC101927464	0.905417731	2.002014229	0.045283201
HLA-DRB1	NR_120527.1	LOC100506675	0.873569933	1.952363309	0.050895086
HLA-DRB1	NR_121661.1	ZBTB20-AS5	-0.963555564	-2.160272523	0.030751579
HLA-DRB1	NR_135820.1	LOC102723727	0.916007762	2.06562989	0.03886344
HLA-DRB5	ENST00000295549.4	ENSG00000163364.5	0.881556687	1.960165278	0.049976475
HLA-DRB5	ENST00000413645.1	ENSG00000228798.1	0.950553259	2.104989672	0.035292207
HLA-DRB5	ENST00000418972.1	ENSG00000225044.1	-0.811617696	-1.797778759	0.072212075
HLA-DRB5	ENST00000419207.2	ENSG00000231248.2	-0.81304061	-1.814610104	0.069583849
HLA-DRB5	ENST00000420044.1	ENSG00000225956.1	0.834925018	1.866640526	0.061951804
HLA-DRB5	ENST00000420498.1	ENSG00000224985.1	0.86832353	1.942975404	0.05201913
HLA-DRB5	ENST00000426653.1	ENSG00000235704.1	0.960723266	2.107987457	0.035032074
HLA-DRB5	ENST00000428853.2	ENSG00000229206.2	0.855512221	1.906211561	0.056622763
HLA-DRB5	ENST00000443123.1	ENSG00000229457.1	0.832501906	1.885548914	0.059355767
HLA-DRB5	ENST00000449749.1	ENSG00000230834.1	0.84743569	1.9125672	0.055803482
HLA-DRB5	ENST00000454928.1	ENSG00000186148.7	0.853103387	1.909219321	0.056233805
HLA-DRB5	ENST00000476892.1	ENSG00000241345.1	0.837294717	1.881874772	0.059853021
HLA-DRB5	ENST00000502300.1	ENSG00000249451.1	0.918665426	2.06886784	0.03855849
HLA-DRB5	ENST00000507997.1	ENSG00000250551.1	-0.890007901	-1.988650717	0.046739769
HLA-DRB5	ENST00000508241.1	ENSG00000248518.1	0.834014283	1.851953302	0.064032529
HLA-DRB5	ENST00000512563.1	ENSG00000249547.1	0.884392	2.002086423	0.045275437
HLA-DRB5	ENST00000515136.1	ENSG00000251274.1	-0.827433346	-1.869807175	0.0615106
HLA-DRB5	ENST00000518339.1	ENSG00000253470.1	0.803045374	1.796819163	0.072364333
HLA-DRB5	ENST00000522524.1	ENSG00000253342.1	-0.877547345	-1.965010552	0.049413016
HLA-DRB5	ENST00000524824.1	ENSG00000255328.1	0.86495938	1.937518528	0.052681991
HLA-DRB5	ENST00000535746.1	ENSG00000256101.1	0.935907213	2.086708082	0.03691453
HLA-DRB5	ENST00000536412.1	ENSG00000256072.1	-0.863201729	-1.940677073	0.052297459
HLA-DRB5	ENST00000536492.1	ENSG00000256237.1	-0.907659977	-2.003287056	0.045146486
HLA-DRB5	ENST00000548199.1	ENSG00000257614.1	0.845800221	1.878578839	0.060302023
HLA-DRB5	ENST00000549303.1	ENSG00000257180.1	-0.859873188	-1.924030058	0.054350816
HLA-DRB5	ENST00000554197.1	ENSG00000197176.3	0.876480818	1.972009989	0.048608466
HLA-DRB5	ENST00000557232.1	ENSG00000259054.1	0.988456521	2.184123175	0.028953198
HLA-DRB5	ENST00000561215.1	ENSG00000259611.1	0.910077281	2.031935924	0.042160143
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HLA-DRB5	ENST00000570919.1	ENSG00000263321.1	0.895951259	1.97366917	0.048419373
HLA-DRB5	ENST00000572222.1	ENSG00000261971.2	-0.955347481	-2.123266258	0.033731546
HLA-DRB5	ENST00000573953.1	ENSG00000261971.2	-0.919674831	-2.02756852	0.042604305
HLA-DRB5	ENST00000577360.1	ENSG00000264273.1	0.801575938	1.785983583	0.074101916
HLA-DRB5	ENST00000578334.1	ENSG00000265148.1	0.894507021	1.972589075	0.048542399
HLA-DRB5	ENST00000583826.1	ENSG00000265148.1	0.838677509	1.879226713	0.060213544
HLA-DRB5	ENST00000585703.1	ENSG00000235779.3	0.839788456	1.888092077	0.05901359



HLA-DRB5	ENST00000586399.1	ENSG00000228430.4	0.899417761	2.03733502	0.041616481
HLA-DRB5	ENST00000588334.1	ENSG00000235779.3	0.89531672	2.01531191	0.043871978
HLA-DRB5	ENST00000590255.1	ENSG00000235779.3	0.89736409	1.996312602	0.045899907
HLA-DRB5	ENST00000590368.1	ENSG00000231616.4	0.872656461	1.924125417	0.054338865
HLA-DRB5	ENST00000590813.1	ENSG00000231616.4	0.825689872	1.845973081	0.064896114
HLA-DRB5	ENST00000590995.1	ENSG00000267198.1	0.952985634	2.126138381	0.033491739
HLA-DRB5	ENST00000591217.1	ENSG00000231616.4	0.951130631	2.141666291	0.032220345
HLA-DRB5	ENST00000592622.1	ENSG00000267546.2	-0.90819279	-2.024379639	0.042931105
HLA-DRB5	ENST00000593269.1	ENSG00000236172.2	0.848536222	1.897176694	0.057804622
HLA-DRB5	ENST00000593824.1	ENSG00000268184.1	0.867461034	1.940893419	0.052271206
HLA-DRB5	ENST00000594091.1	ENSG00000232732.5	-0.820118593	-1.846293572	0.064849591
HLA-DRB5	ENST00000594492.1	ENSG00000250910.3	0.817879137	1.821443648	0.068539445
HLA-DRB5	ENST00000596497.1	ENSG00000268530.1	0.926797657	2.072374933	0.038230489
HLA-DRB5	ENST00000600512.1	ENSG00000269752.1	0.81198982	1.792718322	0.073017975
HLA-DRB5	ENST00000600956.1	ENSG00000232732.5	-0.841203065	-1.910425282	0.056078478
HLA-DRB5	ENST00000602773.1	ENSG00000270160.1	-0.960425408	-2.140315785	0.032329255
HLA-DRB5	ENST00000606899.1	ENSG00000272426.1	0.861037538	1.917917684	0.05512145
HLA-DRB5	ENST00000607044.1	ENSG00000272247.1	0.976662401	2.174070451	0.029699845
HLA-DRB5	ENST00000609837.1	ENSG00000273106.1	0.91764026	2.060539213	0.039347021
HLA-DRB5	ENST00000609953.1	ENSG00000272825.1	0.81475999	1.816391343	0.069310362
HLA-DRB5	NR_027401.2	FAM223A	0.885006009	1.99401805	0.046150082
HLA-DRB5	NR_028325.1	LOC100132062	0.881541412	1.979546661	0.047754492
HLA-DRB5	NR_040001.2	LINC01116	0.821139868	1.826019705	0.067847294
HLA-DRB5	NR_046578.1	CACNA1C-AS4	0.841562328	1.869424114	0.061563832
HLA-DRB5	NR_046766.1	ATP2B2-IT2	0.805485597	1.780124654	0.075055563
HLA-DRB5	NR_049776.1	GPC5-AS1	0.945812252	2.13283137	0.032938562
HLA-DRB5	NR_103857.1	SP2-AS1	-0.816446412	-1.82768208	0.067597279
HLA-DRB5	NR_121661.1	ZBTB20-AS5	-0.82455184	-1.867997195	0.061762462
HLA-DRB5	NR_131186.1	LOC105377348	0.825920653	1.85257592	0.063943166
HLA-DRB5	NR_136178.1	LOC101928166	0.84957788	1.894230224	0.058194458
HSPA1A	ENST00000415205.1	ENSG00000182057.4	0.883637638	1.984069869	0.047248052
HSPA1A	ENST00000417260.1	ENSG00000231734.4	-0.935439746	-2.068312578	0.03861064
HSPA1A	ENST00000419662.1	ENSG00000228265.1	0.912286328	2.062216283	0.039187149
HSPA1A	ENST00000421207.1	ENSG00000231768.1	0.807511665	1.802505076	0.071465977
HSPA1A	ENST00000422763.1	ENSG00000231131.2	-0.806431175	-1.832513857	0.066874899
HSPA1A	ENST00000423428.1	ENSG00000224048.1	-0.907214256	-2.024075636	0.04296237
HSPA1A	ENST00000425124.1	ENSG00000232336.1	0.948566296	2.112449405	0.034647921
HSPA1A	ENST00000425881.1	ENSG00000239636.1	0.817697147	1.852507639	0.063952962
HSPA1A	ENST00000426237.2	ENSG00000235527.2	0.835430533	1.897943059	0.057703583
HSPA1A	ENST00000429080.1	ENSG00000233047.1	-0.819924633	-1.847540525	0.06466884
HSPA1A	ENST00000431730.1	ENSG00000237401.2	0.877067374	1.9618108	0.049784516
HSPA1A	ENST00000433035.1	ENSG00000230483.1	0.817114791	1.814919313	0.06953631
HSPA1A	ENST00000433051.1	ENSG00000233193.1	0.90799305	2.030649288	0.042290584
HSPA1A	ENST00000433905.2	ENSG00000229299.2	0.808623108	1.800523092	0.071778081
HSPA1A	ENST00000435287.1	ENSG00000227220.1	0.842533055	1.881892448	0.05985062
HSPA1A	ENST00000438190.1	ENSG00000227214.2	0.882792977	1.990159456	0.046573373
HSPA1A	ENST00000440595.1	ENSG00000228265.1	0.940343823	2.074038615	0.038075725
HSPA1A	ENST00000441592.2	ENSG00000224078.8	0.873049411	1.946265595	0.051622844
HSPA1A	ENST00000442649.1	ENSG00000234089.1	-0.809479994	-1.809123727	0.070431784
HSPA1A	ENST00000448858.1	ENSG00000237734.1	-0.816651727	-1.794175187	0.072785211
HSPA1A	ENST00000451507.1	ENSG00000229539.1	0.9459683	2.113675708	0.034542975

HSPA1A	ENST00000452176.1	ENSG00000223659.1	-0.909470056	-2.036795017	0.041670588
HSPA1A	ENST00000454100.1	ENSG00000236943.2	0.85035308	1.898124833	0.05767964
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HSPA1A	ENST00000457371.1	ENSG00000237401.2	0.8452598	1.907909988	0.056402851
HSPA1A	ENST00000458154.1	ENSG00000235578.1	0.867505578	1.93158168	0.053411159
HSPA1A	ENST00000463255.1	ENSG00000243305.1	-0.850128796	-1.868838976	0.06164522
HSPA1A	ENST00000489077.1	ENSG00000244198.1	0.956749511	2.154769785	0.031179854
HSPA1A	ENST00000489090.1	ENSG00000240045.1	-0.823042709	-1.846870639	0.064765891
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HSPA1A	ENST00000503723.1	ENSG00000250472.1	-0.911991195	-2.059681184	0.039429029
HSPA1A	ENST00000506791.1	ENSG00000251131.1	0.943819242	2.117659989	0.034203874
HSPA1A	ENST00000509036.1	ENSG00000251131.1	0.866146314	1.910453452	0.056074854
HSPA1A	ENST00000509192.1	ENSG00000250765.1	0.957540452	2.122106548	0.033828792
HSPA1A	ENST00000509453.1	ENSG00000249145.1	0.980472696	2.17953025	0.0292923
HSPA1A	ENST00000510570.1	ENSG00000250438.1	-0.867425668	-1.937116386	0.052731118
HSPA1A	ENST00000515128.1	ENSG00000248215.1	-0.846573672	-1.893292429	0.058318991
HSPA1A	ENST00000520603.1	ENSG00000254001.1	-0.976789273	-2.195582892	0.028121812
HSPA1A	ENST00000521653.1	ENSG00000253301.1	0.861795179	1.929033823	0.053726663
HSPA1A	ENST00000532454.1	ENSG00000255120.1	0.80508339	1.809886482	0.070313393
HSPA1A	ENST00000534178.1	ENSG00000255120.1	0.818149823	1.850029762	0.06430926
HSPA1A	ENST00000537850.1	ENSG00000251002.3	0.811854213	1.819314143	0.068863517
HSPA1A	ENST00000543403.1	ENSG00000256684.1	-0.811287292	-1.806402403	0.070855506
HSPA1A	ENST00000550263.1	ENSG00000257605.1	0.939179843	2.096709954	0.036019259
HSPA1A	ENST00000551699.1	ENSG00000257467.1	-0.812786338	-1.823632144	0.068207704
HSPA1A	ENST00000559959.1	ENSG00000259396.1	0.83315128	1.898033486	0.057691671
HSPA1A	ENST00000562191.1	ENSG00000261292.1	-0.838623639	-1.898294377	0.057657314
HSPA1A	ENST00000562995.1	ENSG00000261253.1	0.85469638	1.909565556	0.056189174
HSPA1A	ENST00000563611.1	ENSG00000261583.1	0.849195448	1.892198236	0.058464573
HSPA1A	ENST00000564809.1	ENSG00000261471.1	0.804082523	1.796359955	0.072437288
HSPA1A	ENST00000565955.1	ENSG00000261055.1	0.83262276	1.850104456	0.064298496
HSPA1A	ENST00000567395.1	ENSG00000261090.1	0.834926047	1.873183767	0.061043013
HSPA1A	ENST00000568332.1	ENSG00000260256.1	0.813148868	1.797844521	0.07220165
HSPA1A	ENST00000569981.1	ENSG00000238045.5	0.859190819	1.941337921	0.052217303
HSPA1A	ENST00000570493.2	ENSG00000261898.2	0.89495273	1.960904797	0.04989013
HSPA1A	ENST00000571660.1	ENSG00000262848.1	0.892512694	1.987511316	0.046865763
HSPA1A	ENST00000573315.1	ENSG00000270168.1	0.816338949	1.800724762	0.071746273
HSPA1A	ENST00000580622.1	ENSG00000264634.1	0.836119115	1.862980383	0.062465026
HSPA1A	ENST00000582044.1	ENSG00000263715.2	0.917930999	2.052820885	0.040089952
HSPA1A	ENST00000582558.1	ENSG00000264569.1	0.962405085	2.161249543	0.030676068
HSPA1A	ENST00000584705.1	ENSG00000264569.1	0.876429528	1.975680715	0.04819095
HSPA1A	ENST00000585559.1	ENSG00000267117.1	0.859131267	1.906380691	0.056600832
HSPA1A	ENST00000586348.1	ENSG00000267198.1	0.804585198	1.794911164	0.072667855
HSPA1A	ENST00000586694.1	ENSG00000267141.1	0.860909121	1.964990772	0.049415306
HSPA1A	ENST00000588380.1	ENSG00000266990.1	0.925420283	2.095061129	0.036165559
HSPA1A	ENST00000589395.1	ENSG00000267143.1	0.945230863	2.117724373	0.034198417
HSPA1A	ENST00000592400.1	ENSG00000267735.1	0.862276291	1.937356129	0.052701825
HSPA1A	ENST00000592525.1	ENSG00000267214.1	0.835892863	1.891566394	0.058548777
HSPA1A	ENST00000592816.1	ENSG00000236172.2	0.803617039	1.787880419	0.073795303
HSPA1A	ENST00000594776.1	ENSG00000269807.1	0.814218976	1.827072208	0.067688913
HSPA1A	ENST00000595478.1	ENSG00000237031.3	-0.864824691	-1.915145661	0.05547393
HSPA1A	ENST00000596091.1	ENSG00000227733.4	-0.934245873	-2.113812279	0.034531304

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HSPA1A	ENST00000597906.1	ENSG00000268566.1	-0.86994857	-1.950946202	0.051063446
HSPA1A	ENST00000600726.1	ENSG00000267858.1	0.8330342	1.846528459	0.064815511
HSPA1A	ENST00000601735.1	ENSG00000244513.2	0.811059341	1.827399097	0.067639785
HSPA1A	ENST00000602594.1	ENSG00000269930.1	-0.90063778	-2.008846856	0.044553377
HSPA1A	ENST00000602949.1	ENSG00000270030.1	0.906037821	2.00763045	0.044682576
HSPA1A	ENST00000604142.1	ENSG00000271308.1	0.939069488	2.082857351	0.037264228
HSPA1A	ENST00000604183.1	ENSG00000271185.1	0.884259235	1.954413372	0.050652351
HSPA1A	ENST00000605082.1	ENSG00000270426.1	0.875918209	1.972405235	0.048563365
HSPA1A	ENST00000606277.1	ENSG00000272145.1	0.841894767	1.878579985	0.060301866
HSPA1A	ENST00000606377.1	ENSG00000272286.1	-0.882822866	-1.979446852	0.047765718
HSPA1A	ENST00000606441.1	ENSG00000272277.1	0.898156209	2.027228726	0.042639027
HSPA1A	ENST00000606470.1	ENSG00000271913.1	0.849063631	1.886345056	0.059248471
HSPA1A	ENST00000606743.1	ENSG00000272221.1	0.988987713	2.214313239	0.026807239
HSPA1A	ENST00000606909.1	ENSG00000271821.1	0.984598628	2.178192687	0.029391694
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HSPA1A	ENST00000608489.1	ENSG00000272716.1	0.832293434	1.851136444	0.064149926
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HSPA1A	NR_003605.1	ZFAS1	0.832828178	1.896492034	0.057895012
HSPA1A	NR_026774.1	LINC00239	0.866814345	1.918504985	0.055047011
HSPA1A	NR_026802.1	FAM74A4	0.839657877	1.907478367	0.05645867
HSPA1A	NR_026951.1	LINC00324	0.813184644	1.807588554	0.070670561
HSPA1A	NR_028324.1	LINC01002	0.889806938	1.980650949	0.047630431
HSPA1A	NR_031762.2	HCP5B	0.822841449	1.856733226	0.063349118
HSPA1A	NR_037169.1	LOC100507547	0.998427084	2.241591164	0.024987808
HSPA1A	NR_037170.1	LOC100507547	0.994658868	2.202730244	0.027613767
HSPA1A	NR_038421.1	LINC01220	0.811245278	1.815664265	0.069421889
HSPA1A	NR_038923.1	SSSCA1-AS1	0.815177451	1.802602528	0.07145066
HSPA1A	NR_045114.1	PVRL3-AS1	-0.921636036	-2.051953281	0.040174203
HSPA1A	NR_072981.1	LINC00957	0.979907946	2.202544075	0.027626899
HSPA1A	NR_072982.1	LINC00957	0.981604262	2.183661968	0.028987096
HSPA1A	NR_105010.1	LINC01333	0.846432252	1.933213698	0.053209878
HSPA1A	NR_109885.1	RALY-AS1	0.957194298	2.151124418	0.031466381
HSPA1A	NR_109886.1	RALY-AS1	0.91941838	2.103128839	0.035454509
HSPA1A	NR_110245.1	LOC101929282	-0.887600674	-1.975377447	0.04822533
HSPA1A	NR_110630.1	LOC101927478	0.906861041	2.020159783	0.043366816
HSPA1A	NR_110941.1	MIR762HG	0.89546536	2.013413251	0.044071173
HSPA1A	NR_110998.1	FAM74A4	0.839657877	1.873933094	0.060939647
HSPA1A	NR_125957.1	LOC101928626	-0.909470056	-2.029331357	0.042424552
HSPA1A	NR_126522.1	EXOC3-AS1	0.849078724	1.90982915	0.056155215
HSPA1A	NR_134252.1	LOC105379030	0.844489474	1.891121071	0.058608184
HSPA1A	NR_134520.1	LOC727993	0.804992914	1.784632709	0.074320912
HSPA1A	NR_135024.1	LOC105369747	0.816409003	1.821287289	0.068563198
HSPA1A	NR_135097.1	LOC105369443	-0.811287292	-1.813291805	0.069786827
HSPA1A	NR_135584.1	LOC101927596	0.815480341	1.852283345	0.063985146

HSPA1A	NR_144459.1	ARSD-AS1	0.847434748	1.898973467	0.057567965
IFITM1	ENST00000340585.6	ENSG00000249429.1	0.882623759	1.961161494	0.049860187
IFITM1	ENST00000412519.1	ENSG00000227599.1	0.870755557	1.939957952	0.0523848
IFITM1	ENST00000412647.2	ENSG00000232964.2	0.804768315	1.804367146	0.07117377
IFITM1	ENST00000413311.1	ENSG00000226276.1	0.809943144	1.816000671	0.069370269
IFITM1	ENST00000416595.1	ENSG00000223623.1	-0.861588493	-1.929671063	0.053647608
IFITM1	ENST00000419296.1	ENSG00000204588.5	0.854256921	1.908298766	0.056352612
IFITM1	ENST00000424257.1	ENSG00000231626.1	0.975003518	2.173785516	0.029721247
IFITM1	ENST00000424852.1	ENSG00000229891.1	0.91497598	2.063014582	0.039111243
IFITM1	ENST00000426475.1	ENSG00000239467.1	-0.914427402	-2.010583333	0.044369486
IFITM1	ENST00000429681.1	ENSG00000235236.1	0.913393755	2.029524117	0.042404935
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IFITM1	ENST00000431727.2	ENSG00000234938.2	-0.927950511	-2.071847029	0.038279709
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IFITM1	ENST00000433036.1	ENSG00000228989.1	-0.817930336	-1.862969068	0.062466618
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IFITM1	ENST00000441592.2	ENSG00000224078.8	-0.819545847	-1.81953425	0.068829962
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IFITM1	ENST00000448570.1	ENSG00000224549.1	-0.895727804	-2.004177622	0.045051037
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IFITM1	ENST00000504916.1	ENSG00000248112.1	0.949989625	2.141893729	0.032202035
IFITM1	ENST00000510922.1	ENSG00000250777.1	0.828963743	1.834500797	0.06657969
IFITM1	ENST00000514737.1	ENSG00000250597.1	-0.885390525	-1.992584995	0.04630691
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IFITM1	ENST00000530435.1	ENSG00000254630.1	-0.840771895	-1.866293558	0.062000306
IFITM1	ENST00000534065.1	ENSG00000254458.1	-0.926157426	-2.062446811	0.039165217
IFITM1	ENST00000545254.1	ENSG00000256633.1	-0.876386141	-1.958068101	0.050222022
IFITM1	ENST00000571404.1	ENSG00000262370.1	-0.866604335	-1.928847067	0.053749851
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IFITM1	ENST00000583067.1	ENSG00000266126.1	0.95177408	2.108053858	0.035026331
IFITM1	ENST00000588182.2	ENSG00000267453.2	-0.857157632	-1.91348534	0.055685948
IFITM1	ENST00000588290.1	ENSG00000267751.1	-0.81427583	-1.811824318	0.070013346
IFITM1	ENST00000593139.1	ENSG00000267042.1	-0.82511871	-1.832699065	0.066847336
IFITM1	ENST00000593218.1	ENSG00000267421.2	-0.925584017	-2.087908151	0.036806121
IFITM1	ENST00000597256.1	ENSG00000267986.1	-0.848946887	-1.912970877	0.055751781
IFITM1	ENST00000602741.1	ENSG00000270061.1	0.835526087	1.877425196	0.060459841
IFITM1	ENST00000606963.1	ENSG00000272010.1	0.867201005	1.908123738	0.056375225
IFITM1	ENST00000608677.1	ENSG00000273350.1	-0.856942406	-1.936507432	0.052805583
IFITM1	NR_026713.1	FAM182A	-0.881508886	-1.979540536	0.04775518
IFITM1	NR_026813.1	LINC00597	0.929120339	2.070065398	0.038446221
IFITM1	NR_046224.1	LINC00659	-0.893217205	-1.999242401	0.045582133
IFITM1	NR_047116.1	HIF1A-AS1	0.92311541	2.074749066	0.038009797
IFITM1	NR_051987.1	LINC00499	-0.80912018	-1.802680586	0.071438393
IFITM1	NR_108077.1	SMAD1-AS2	0.803355772	1.822891504	0.068319825
IFITM1	NR_110008.1	ADNP-AS1	-0.819857105	-1.838076054	0.066051199
IFITM1	NR_110009.1	ADNP-AS1	-0.819857105	-1.834188886	0.066625961
IFITM1	NR_120595.1	LINC01315	0.927537227	2.112214689	0.034668039
IFITM1	NR_121577.1	NALT1	0.825585619	1.854033522	0.063734364
IFITM1	NR_121624.1	LOC103352541	0.84858648	1.892878886	0.058373978

IFITM1	NR_125774.1	LINC01170	-0.867856303	-1.953783674	0.050726806
IFITM1	NR_131985.1	CRAT8	0.884635274	1.990758564	0.046507437
IFITM2	ENST00000412519.1	ENSG00000227599.1	-0.846921444	-1.897696204	0.057736113
IFITM2	ENST00000416595.1	ENSG00000223623.1	0.839909175	1.874666619	0.060838602
IFITM2	ENST00000419296.1	ENSG00000204588.5	-0.851746666	-1.877995792	0.060381741
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IGSF6	ENST00000444665.1	ENSG00000228852.2	-0.900719837	-2.023679297	0.04300316
IGSF6	ENST00000447206.1	ENSG00000230839.1	-0.916303113	-2.027818976	0.042578727



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IGSF6	ENST00000450109.1	ENSG00000225376.1	-0.802591314	-1.801125564	0.071683091
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IL17C	ENST00000498693.1	ENSG00000244198.1	0.987425875	2.221897051	0.026290264
IL17C	ENST00000503723.1	ENSG00000250472.1	-0.854399418	-1.914876619	0.05550824
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IL17C	ENST00000506100.1	ENSG00000249409.1	0.899297596	2.038196576	0.041530278
IL17C	ENST00000506791.1	ENSG00000251131.1	0.971035835	2.216821212	0.026635311
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IL17C	ENST00000509036.1	ENSG00000251131.1	0.968745096	2.174031756	0.02970275
IL17C	ENST00000509192.1	ENSG00000250765.1	0.967373595	2.187540276	0.028703106
IL17C	ENST00000515128.1	ENSG00000248215.1	-0.901410084	-1.997259334	0.045797018
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IL17C	ENST00000520603.1	ENSG00000254001.1	-0.947944092	-2.118103189	0.03416633
IL17C	ENST00000521307.1	ENSG00000253177.1	0.80380392	1.817008448	0.06921582
IL17C	ENST00000522547.1	ENSG00000253430.1	-0.828296574	-1.85563215	0.063506008
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IL17C	ENST00000526611.1	ENSG00000246982.2	0.81332533	1.830788488	0.067132119
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IL17C	ENST00000545177.3	ENSG00000230438.5	0.883466101	1.959589086	0.050043838
IL17C	ENST00000548722.2	ENSG00000257194.2	-0.892867324	-2.0102266	0.044407211
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IL17C	NR_003604.2	ZFAS1	0.963115564	2.187974769	0.02867144
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IL17C	NR_027052.1	THAP7-AS1	0.84232398	1.873970854	0.060934442
IL17C	NR_027271.1	CIRBP-AS1	0.973619792	2.168981346	0.0300841
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IL17C	NR_036658.1	ZFAS1	0.961345084	2.176344398	0.029529518
IL17C	NR_037169.1	LOC100507547	0.896993505	1.991893924	0.046382698
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IL17C	NR_038421.1	LINC01220	0.888128773	2.007731182	0.044671865
IL17C	NR_038923.1	SSSCA1-AS1	0.837855843	1.871238784	0.061311991
IL17C	NR_044996.1	HCG23	0.817364505	1.851673142	0.064072773
IL17C	NR_045114.1	PVRL3-AS1	-0.894822628	-1.99831061	0.045682996
IL17C	NR_072981.1	LINC00957	0.946180402	2.118534983	0.034129785
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IL17C	NR_103790.1	LINC00581	-0.830599278	-1.873925305	0.060940721
IL17C	NR_105010.1	LINC01333	0.982985171	2.196433189	0.028060952
IL17C	NR_108036.1	CFAP58-AS1	0.923979756	2.06628149	0.038801908
IL17C	NR_109886.1	RALY-AS1	0.934692888	2.104455578	0.035338726
IL17C	NR_110630.1	LOC101927478	0.824605557	1.845879272	0.064909737
IL17C	NR_110941.1	MIR762HG	0.824853465	1.850152844	0.064291523
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IL17C	NR_130143.1	LOC104968399	0.880129229	1.971408695	0.048677147
IL17C	NR_135024.1	LOC105369747	0.884181219	1.961986295	0.04976408
IL17C	NR_135584.1	LOC101927596	0.810733678	1.827234257	0.067664555
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IRF7	ENST00000485338.1	ENSG00000239641.1	-0.842551488	-1.895960075	0.057965324
IRF7	ENST00000489077.1	ENSG00000244198.1	0.829799996	1.857860527	0.063188823
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IRF7	ENST00000561699.1	ENSG00000259813.1	0.80847548	1.798800534	0.072050239
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IRF7	ENST00000564809.1	ENSG00000261471.1	0.884242753	1.986132473	0.047018616
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KLF2	NR_027271.1	CIRBP-AS1	0.912120051	2.047081074	0.040650125
KLF2	NR_027334.2	MZF1-AS1	0.886617693	1.987018478	0.046920349
KLF2	NR_036480.1	VPS9D1-AS1	0.875885475	1.960209165	0.049971348
KLF2	NR_036658.1	ZFAS1	0.933330785	2.09020582	0.036599315
KLF2	NR_044996.1	HCG23	0.806897173	1.796628472	0.072394621
KLF2	NR_045637.1	BOLA3-AS1	0.877379002	1.963175488	0.049625787
KLF2	NR_046742.2	ZNF630-AS1	-0.931975913	-2.113024774	0.034598647
KLF2	NR_046839.1	AGBL4-IT1	-0.897823887	-2.023594108	0.043011932
KLF2	NR_103790.1	LINC00581	-0.972618277	-2.166817735	0.030248755
KLF2	NR_105010.1	LINC01333	0.942277064	2.076878286	0.037812794
KLF2	NR_108036.1	CFAP58-AS1	0.878911429	1.962298719	0.049727716
KLF2	NR_109886.1	RALY-AS1	0.904342777	2.034661606	0.041884934
KLF2	NR_110053.1	LOC101927464	0.803789285	1.805597641	0.070981211
KLF2	NR_110998.1	FAM74A4	0.919076829	2.047391443	0.040619666
KLF2	NR_121188.1	PGM5P3-AS1	-0.878610751	-1.968222443	0.049042449
KLF2	NR_121189.1	PGM5P3-AS1	-0.946422054	-2.129102297	0.033245798
KLF2	NR_125957.1	LOC101928626	-0.855070092	-1.901391665	0.05725073
KLF2	NR_126522.1	EXOC3-AS1	0.879121745	1.966216855	0.049273566
KLF2	NR_130143.1	LOC104968399	0.828451982	1.845245294	0.065001864
KLF2	NR_130144.1	LOC104968399	0.849125298	1.900679781	0.057343968
KLF2	NR_134252.1	LOC105379030	0.822801623	1.840025846	0.065764443
KLF2	NR_134579.1	LOC105372179	0.820466294	1.813301802	0.069785286
KLF2	NR_135024.1	LOC105369747	0.815388439	1.797539266	0.07225005
KLF2	NR_135032.1	LOC105369635	0.900916835	1.993161953	0.046243716
KLF2	NR_138084.1	HCG24	0.930669082	2.098525396	0.035858759
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KLRB1	ENST00000416220.1	ENSG00000236753.1	0.824025995	1.843334323	0.065280213
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KLRB1	ENST00000417426.1	ENSG00000233145.1	0.841426914	1.879545953	0.060169985
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KLRB1	ENST00000447538.2	ENSG00000224189.2	0.902973059	2.028965474	0.042461807
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KLRB1	ENST00000451556.2	ENSG00000228386.2	0.823124141	1.837183593	0.066182797
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KLRB1	ENST00000468444.2	ENSG00000258525.1	-0.866748856	-1.918983433	0.054986431
KLRB1	ENST00000469931.2	ENSG00000272030.1	0.930261361	2.108190676	0.035014499
KLRB1	ENST00000481334.1	ENSG00000242440.1	0.867351312	1.930647709	0.053526634
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KLRB1	ENST00000496247.1	ENSG00000241882.1	0.813925294	1.822831242	0.068328954
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KLRB1	NR_044996.1	HCG23	0.856832821	1.917427235	0.055183677
KLRB1	NR_104998.1	LOC102467225	0.827670407	1.840483461	0.06569729
KLRB1	NR_110480.1	LOC101927079	0.898529091	2.005040415	0.044958727
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KLRB1	NR_120655.1	KCNMA1-AS1	0.986718997	2.212275104	0.026947662
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KLRB1	NR_134265.1	LINC02103	0.877345072	1.965532313	0.049352659
KLRB1	NR_134597.1	LOC105378068	0.949038909	2.125005819	0.033586127
KLRB1	NR_134664.1	LOC105374366	0.80337541	1.805768764	0.070954466
KLRB1	NR_135108.1	LOC105369509	0.880043455	1.958600549	0.050159585
KLRB1	NR_135258.1	LOC105370489	0.904316216	2.003702574	0.04510193
KLRB1	NR_135840.1	LOC105376114	0.803070275	1.803967943	0.071236333
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KRTAP10-2	ENST00000295549.4	ENSG00000163364.5	0.866322392	1.926685343	0.054018856
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KRTAP10-2	ENST00000502684.1	ENSG00000251670.1	-0.856604959	-1.919037463	0.054979593
KRTAP10-2	ENST00000507997.1	ENSG00000250551.1	-0.837918872	-1.847806665	0.064630316
KRTAP10-2	ENST00000508241.1	ENSG00000248518.1	0.857233098	1.911249513	0.055972524

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KRTAP10-2	ENST00000519189.1	ENSG00000254344.1	-0.838184452	-1.891587886	0.058545911
KRTAP10-2	ENST00000521411.2	ENSG00000253496.2	0.810754501	1.814670222	0.069574604
KRTAP10-2	ENST00000522524.1	ENSG00000253342.1	-0.903822186	-2.030973519	0.042257681
KRTAP10-2	ENST00000524073.1	ENSG00000253774.1	0.824261259	1.859215592	0.062996586
KRTAP10-2	ENST00000524309.1	ENSG00000240915.2	-0.81308898	-1.804788341	0.07110781
KRTAP10-2	ENST00000526694.1	ENSG00000231999.2	0.822124886	1.822108604	0.068438509
KRTAP10-2	ENST00000531627.1	ENSG00000254584.1	0.864510684	1.925188613	0.054205766
KRTAP10-2	ENST00000535746.1	ENSG00000256101.1	0.884270137	1.974286516	0.048349173
KRTAP10-2	ENST00000536412.1	ENSG00000256072.1	-0.862487302	-1.916408181	0.05531316
KRTAP10-2	ENST00000537921.1	ENSG00000255966.1	0.865984653	1.940551301	0.052312726
KRTAP10-2	ENST00000545642.1	ENSG00000256342.1	0.809706435	1.824475044	0.068080286
KRTAP10-2	ENST00000546789.1	ENSG00000257740.1	0.805923394	1.800773535	0.071738582
KRTAP10-2	ENST00000547750.1	ENSG00000257886.1	0.882211314	1.973253124	0.048466731
KRTAP10-2	ENST00000548199.1	ENSG00000257614.1	0.874260051	1.957473339	0.050291843
KRTAP10-2	ENST00000552558.1	ENSG00000257947.1	0.877922288	1.974363258	0.048340453
KRTAP10-2	ENST00000554430.1	ENSG00000258646.1	-0.85638273	-1.931084618	0.053472589
KRTAP10-2	ENST00000557232.1	ENSG00000259054.1	0.915639703	2.060055898	0.039393197
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KRTAP10-2	ENST00000560522.1	ENSG00000259661.1	0.821817862	1.843657052	0.065233136
KRTAP10-2	ENST00000561215.1	ENSG00000259611.1	0.922505321	2.056829216	0.039702657
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KRTAP10-2	ENST00000563570.1	ENSG00000259961.1	-0.904811611	-2.02963202	0.042393958
KRTAP10-2	ENST00000577360.1	ENSG00000264273.1	0.807344585	1.811760288	0.070023244
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KRTAP10-2	ENST00000580975.1	ENSG00000266237.1	0.819317744	1.815893271	0.069386746
KRTAP10-2	ENST00000586297.1	ENSG00000267633.1	0.848127882	1.892247461	0.058458017
KRTAP10-2	ENST00000586399.1	ENSG00000228430.4	0.885951015	1.940841612	0.052277492
KRTAP10-2	ENST00000589233.1	ENSG00000231616.4	0.872399103	1.936858972	0.052762585
KRTAP10-2	ENST00000589817.1	ENSG00000231616.4	0.80175144	1.788741237	0.073656499
KRTAP10-2	ENST00000590364.1	ENSG00000267613.1	-0.920193974	-2.038090473	0.041540886
KRTAP10-2	ENST00000590368.1	ENSG00000231616.4	0.869653017	1.96356949	0.049580038
KRTAP10-2	ENST00000590813.1	ENSG00000231616.4	0.833827622	1.874215076	0.060900787
KRTAP10-2	ENST00000590995.1	ENSG00000267198.1	0.963099902	2.153439573	0.031284148
KRTAP10-2	ENST00000591103.1	ENSG00000272895.1	0.875285123	1.961839575	0.049781165
KRTAP10-2	ENST00000591217.1	ENSG00000231616.4	0.916290894	2.062473678	0.039162661
KRTAP10-2	ENST00000592622.1	ENSG00000267546.2	-0.864968026	-1.934109405	0.053099678
KRTAP10-2	ENST00000593599.1	ENSG00000231898.4	0.834446084	1.8610336	0.062739432
KRTAP10-2	ENST00000593824.1	ENSG00000268184.1	0.943519607	2.133825592	0.03285706
KRTAP10-2	ENST00000596497.1	ENSG00000268530.1	0.959031336	2.153929723	0.031245684
KRTAP10-2	ENST00000600512.1	ENSG00000269752.1	0.877425917	1.966200552	0.049275449
KRTAP10-2	ENST00000602485.1	ENSG00000270163.1	-0.863910146	-1.942284099	0.052102717
KRTAP10-2	ENST00000602773.1	ENSG00000270160.1	-0.841873157	-1.873514009	0.06099744
KRTAP10-2	ENST00000606841.1	ENSG00000272411.1	0.838735578	1.888072107	0.059016271
KRTAP10-2	ENST00000606899.1	ENSG00000272426.1	0.873095712	1.992479314	0.046318493
KRTAP10-2	ENST00000606938.1	ENSG00000272198.1	-0.835574387	-1.868044346	0.06175589
KRTAP10-2	ENST00000607044.1	ENSG00000272247.1	0.939871517	2.106807666	0.035134255
KRTAP10-2	ENST00000609953.1	ENSG00000272825.1	0.805562965	1.802272624	0.071502524
KRTAP10-2	ENST00000610044.1	ENSG00000273160.1	-0.905589915	-2.030021546	0.042354349
KRTAP10-2	ENST00000610185.1	ENSG00000273355.1	-0.911102024	-2.04007238	0.041343117

KRTAP10-2	NR_026822.1	FAM138C	-0.802015727	-1.804069909	0.071220348
KRTAP10-2	NR_028325.1	LOC100132062	0.944946409	2.13104181	0.033085698
KRTAP10-2	NR_040001.2	LINCO1116	0.809432498	1.820702584	0.068652079
KRTAP10-2	NR_046578.1	CACNA1C-AS4	0.937142091	2.107003332	0.035117291
KRTAP10-2	NR_046766.1	ATP2B2-IT2	0.835283442	1.892540319	0.058419027
KRTAP10-2	NR_047040.1	LINC00424	0.807645941	1.806737367	0.070803239
KRTAP10-2	NR_049776.1	GPC5-AS1	0.90594237	2.016681709	0.04372874
KRTAP10-2	NR_103857.1	SP2-AS1	-0.899013803	-1.997255243	0.045797463
KRTAP10-2	NR_109975.1	ARNTL2-AS1	-0.843680484	-1.882872618	0.059717633
KRTAP10-2	NR_110053.1	LOC101927464	0.809706435	1.837312397	0.066163791
KRTAP10-2	NR_120527.1	LOC100506675	0.893284987	1.995726294	0.045963723
KRTAP10-2	NR_121661.1	ZBTB20-AS5	-0.881975546	-1.998326566	0.045681267
KRTAP10-2	NR_125407.1	LOC102724604	0.817715732	1.827490246	0.067626091
KRTAP10-2	NR_131186.1	LOC105377348	0.91131936	2.037666075	0.041583339
KRTAP10-2	NR_133642.1	DIRC3-AS1	0.852827039	1.900546705	0.057361412
KRTAP10-2	NR_135274.1	LOC105370619	0.800539994	1.787218101	0.073902245
KRTAP10-2	NR_135820.1	LOC102723727	0.877258182	1.985218038	0.047120218
KRTAP9-6	ENST00000412085.1	ENSG00000233825.1	0.867451548	1.928409792	0.053804175
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KRTAP9-6	ENST00000414740.2	ENSG00000229646.2	0.921581066	2.035040503	0.041846798
KRTAP9-6	ENST00000420572.2	ENSG00000233358.2	0.81253305	1.823538727	0.068221837
KRTAP9-6	ENST00000420981.2	ENSG00000230438.5	0.831398257	1.86120436	0.062715323
KRTAP9-6	ENST00000421866.1	ENSG00000233875.1	-0.823827237	-1.854075055	0.063728423
KRTAP9-6	ENST00000427691.1	ENSG00000228340.1	-0.832769495	-1.855166139	0.063572505
KRTAP9-6	ENST00000429608.1	ENSG00000237480.1	0.98924246	2.200830786	0.027748005
KRTAP9-6	ENST00000431290.1	ENSG00000183822.2	0.818772372	1.835939191	0.066366651
KRTAP9-6	ENST00000433036.1	ENSG00000228989.1	0.857551924	1.897188888	0.057803013
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KRTAP9-6	ENST00000443380.1	ENSG00000224371.1	0.944874206	2.084057408	0.037154946
KRTAP9-6	ENST00000447206.1	ENSG00000230839.1	0.819633422	1.849986302	0.064315524
KRTAP9-6	ENST00000448365.1	ENSG00000231114.1	0.81451564	1.798902731	0.072034069
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KRTAP9-6	ENST00000490013.1	ENSG00000184115.12	0.899361583	1.992329827	0.046334881
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KRTAP9-6	ENST00000502300.1	ENSG00000249451.1	0.832313336	1.848246591	0.064566678
KRTAP9-6	ENST00000503034.1	ENSG00000248936.1	0.82600394	1.848706837	0.064500156
KRTAP9-6	ENST00000505196.1	ENSG00000248131.1	0.879220624	1.940164722	0.052359674



KRTAP9-6	ENST00000508188.1	ENSG00000250999.1	0.934128262	2.073390214	0.038135979
KRTAP9-6	ENST00000508199.1	ENSG00000247810.2	0.873655031	1.94029861	0.05234341
KRTAP9-6	ENST00000508241.1	ENSG00000248518.1	0.88987186	1.987004357	0.046921914
KRTAP9-6	ENST00000515077.1	ENSG00000251206.1	0.820783431	1.832651408	0.066854428
KRTAP9-6	ENST00000517300.1	ENSG00000254144.2	0.889687918	1.987342126	0.046884496
KRTAP9-6	ENST00000519451.1	ENSG00000253363.1	0.943080557	2.107890053	0.035040501
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KRTAP9-6	ENST00000521207.1	ENSG00000253716.1	0.969678849	2.174778067	0.029646751
KRTAP9-6	ENST00000522600.1	ENSG00000246582.2	0.85260606	1.917824831	0.055133226
KRTAP9-6	ENST00000524073.1	ENSG00000253774.1	0.800976078	1.76984767	0.07675252
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KRTAP9-6	ENST00000543072.1	ENSG00000256092.2	-0.8429472	-1.884882932	0.059445645
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KRTAP9-6	ENST00000558515.1	ENSG00000259182.1	0.950074473	2.148385618	0.031683134
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KRTAP9-6	ENST00000565359.1	ENSG00000260601.1	0.930894086	2.085744267	0.037001794
KRTAP9-6	ENST00000565823.1	ENSG00000260686.1	-0.824784565	-1.857208016	0.063281565
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KRTAP9-6	ENST00000570843.1	ENSG00000261889.1	0.806798329	1.810751906	0.070179264
KRTAP9-6	ENST00000571815.1	ENSG00000262810.1	0.846314794	1.875772323	0.06068655
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KRTAP9-6	ENST00000588290.1	ENSG00000267751.1	0.857716256	1.935818162	0.052889976
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KRTAP9-6	ENST00000589233.1	ENSG00000231616.4	0.886843354	1.968024005	0.049065276
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KRTAP9-6	ENST00000589673.1	ENSG00000267755.1	0.847005242	1.88354851	0.059626072
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KRTAP9-6	ENST00000591103.1	ENSG00000272895.1	0.816288885	1.823390406	0.068244282
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KRTAP9-6	ENST00000595955.1	ENSG00000268401.1	0.912287133	2.026349035	0.04272903
KRTAP9-6	ENST00000600071.1	ENSG00000269199.1	0.917853794	2.028213865	0.042538425
KRTAP9-6	ENST00000600534.1	ENSG00000267858.1	0.857302301	1.917206756	0.05521167
KRTAP9-6	ENST00000600889.1	ENSG00000232675.3	0.895413924	2.008266819	0.044614946
KRTAP9-6	ENST00000601033.1	ENSG00000268401.1	0.853415879	1.918577079	0.055037879
KRTAP9-6	ENST00000602532.1	ENSG00000270091.1	0.904355353	1.999223738	0.045584151
KRTAP9-6	ENST00000602614.1	ENSG00000269957.1	-0.851683796	-1.913547329	0.055678021
KRTAP9-6	ENST00000606068.1	ENSG00000272342.1	0.948508384	2.102099714	0.035544542
KRTAP9-6	ENST00000606841.1	ENSG00000272411.1	0.844505531	1.887847644	0.059046407
KRTAP9-6	ENST00000607014.1	ENSG00000272345.1	-0.889659982	-2.010854686	0.044340808
KRTAP9-6	ENST00000608264.1	ENSG00000273473.1	0.859939555	1.899836707	0.057454552
KRTAP9-6	ENST00000608940.1	ENSG00000272763.1	0.958158165	2.156361611	0.03105544
KRTAP9-6	ENST00000608952.1	ENSG00000272689.1	-0.893222514	-1.992600587	0.046305201
KRTAP9-6	ENST00000609146.1	ENSG00000272851.1	-0.929999308	-2.036571389	0.041693012
KRTAP9-6	ENST00000610185.1	ENSG00000273355.1	-0.840967511	-1.866647822	0.061950785
KRTAP9-6	NR_027334.2	MZF1-AS1	0.831940872	1.862424059	0.062543341
KRTAP9-6	NR_040096.1	LOC643339	0.898532079	2.017800579	0.043612035
KRTAP9-6	NR_046454.1	LINC00907	-0.905398108	-2.047567156	0.04060243
KRTAP9-6	NR_046571.1	POTEH-AS1	0.828786182	1.838660729	0.065965103
KRTAP9-6	NR_103851.1	TAT-AS1	0.802190728	1.782986669	0.074588473
KRTAP9-6	NR_103857.1	SP2-AS1	-0.868698324	-1.94482798	0.051795685
KRTAP9-6	NR_104158.1	NRG1-IT1	0.955964552	2.131434043	0.033053401
KRTAP9-6	NR_110318.1	MACROD2-AS1	0.872198051	1.961583833	0.049810956
KRTAP9-6	NR_110635.1	LINC00687	0.946336269	2.122956017	0.033757538
KRTAP9-6	NR_117097.1	LINC01353	0.927209693	2.053870653	0.039988212
KRTAP9-6	NR_117098.1	LINC01353	0.967265165	2.171887721	0.029864133
KRTAP9-6	NR_121661.1	ZBTB20-AS5	-0.90485229	-2.030166251	0.042339643
KRTAP9-6	NR_130143.1	LOC104968399	0.808590734	1.854484004	0.063669947
KRTAP9-6	NR_135032.1	LOC105369635	0.880516049	1.961108229	0.049866399
KRTAP9-6	NR_135644.1	LOC105371506	-0.933836208	-2.102142207	0.035540821
KRTAP9-6	NR_135820.1	LOC102723727	0.924642635	2.079813224	0.037542668
KRTAP9-7	ENST00000412085.1	ENSG00000233825.1	0.823883485	1.845493001	0.064965856
KRTAP9-7	ENST00000412759.1	ENSG00000236933.1	0.82952237	1.848613112	0.064513698
KRTAP9-7	ENST00000412772.1	ENSG00000231507.1	0.801525397	1.807851758	0.070629576
KRTAP9-7	ENST00000413650.1	ENSG00000230880.2	0.813862867	1.823840963	0.068176119
KRTAP9-7	ENST00000414740.2	ENSG00000229646.2	0.886479537	2.002940542	0.045183671
KRTAP9-7	ENST00000419734.1	ENSG00000234646.1	-0.804420332	-1.78731244	0.073887005
KRTAP9-7	ENST00000420572.2	ENSG00000233358.2	0.856987929	1.919253106	0.05495231
KRTAP9-7	ENST00000421617.1	ENSG00000237342.1	0.837093475	1.859299127	0.062984751
KRTAP9-7	ENST00000423925.1	ENSG00000223536.1	-0.8313351	-1.839456703	0.065848041
KRTAP9-7	ENST00000424241.1	ENSG00000237311.1	-0.913821301	-2.058567022	0.039535735

KRTAP9-7	ENST00000425364.1	ENSG00000231046.1	-0.89459889	-2.010129481	0.044417487
KRTAP9-7	ENST00000426504.1	ENSG00000234190.1	-0.842066342	-1.880985918	0.059973834
KRTAP9-7	ENST00000426519.1	ENSG00000234142.1	0.830830126	1.854746654	0.063632413
KRTAP9-7	ENST00000429796.1	ENSG00000231858.1	-0.933811666	-2.078857743	0.037630428
KRTAP9-7	ENST00000430545.1	ENSG00000237153.1	0.85388291	1.896863773	0.05784592
KRTAP9-7	ENST00000431290.1	ENSG00000183822.2	0.85770642	1.941817077	0.052159249
KRTAP9-7	ENST00000432244.1	ENSG00000234265.1	0.910420976	2.023413241	0.04303056
KRTAP9-7	ENST00000432559.2	ENSG00000228229.2	0.853502039	1.883897344	0.059578863
KRTAP9-7	ENST00000433876.2	ENSG00000228423.2	0.9630945	2.160909321	0.030702345
KRTAP9-7	ENST00000434627.1	ENSG00000230074.1	0.900882784	1.999583786	0.045545226
KRTAP9-7	ENST00000435892.1	ENSG00000233635.2	0.942727839	2.110638098	0.03480343
KRTAP9-7	ENST00000436582.1	ENSG00000236525.1	-0.831835793	-1.87472924	0.060829982
KRTAP9-7	ENST00000437308.1	ENSG00000233154.1	0.804698705	1.796595891	0.072399797
KRTAP9-7	ENST00000437461.1	ENSG00000227200.1	0.826040619	1.840671513	0.065669711
KRTAP9-7	ENST00000438107.1	ENSG00000234449.2	0.829934701	1.843864952	0.065202824
KRTAP9-7	ENST00000438488.1	ENSG00000223812.1	0.838647613	1.845606645	0.064949341
KRTAP9-7	ENST00000441532.1	ENSG00000234206.1	-0.887373943	-2.000937545	0.045399121
KRTAP9-7	ENST00000441875.1	ENSG00000239203.1	0.87451451	1.964079731	0.049520846
KRTAP9-7	ENST00000442850.1	ENSG00000232600.2	-0.946033082	-2.138527066	0.03247399
KRTAP9-7	ENST00000443380.1	ENSG00000224371.1	0.900907542	2.010343913	0.044394802
KRTAP9-7	ENST00000444665.1	ENSG00000228852.2	0.926340485	2.070111218	0.038441931
KRTAP9-7	ENST00000447206.1	ENSG00000230839.1	0.9595033	2.12105293	0.033917348
KRTAP9-7	ENST00000448650.1	ENSG00000223536.1	-0.813433565	-1.814055151	0.069669235
KRTAP9-7	ENST00000448942.1	ENSG00000237499.2	0.818693122	1.847904389	0.064616175
KRTAP9-7	ENST00000450109.1	ENSG00000225376.1	0.891749184	2.001808124	0.045305372
KRTAP9-7	ENST00000451656.1	ENSG00000228417.1	0.816004524	1.827095877	0.067685355
KRTAP9-7	ENST00000452002.1	ENSG00000236501.1	-0.874964078	-1.950624823	0.051101692
KRTAP9-7	ENST00000454530.1	ENSG00000226649.1	-0.926843244	-2.047877573	0.040571997
KRTAP9-7	ENST00000456715.1	ENSG00000224893.1	0.962297219	2.160654765	0.030722018
KRTAP9-7	ENST00000457848.1	ENSG00000226412.1	0.86874526	1.964383157	0.049485675
KRTAP9-7	ENST00000458194.1	ENSG00000226193.1	0.84429425	1.884958384	0.059435457
KRTAP9-7	ENST00000458364.1	ENSG00000225655.1	-0.801579953	-1.814608609	0.069584078
KRTAP9-7	ENST00000458443.1	ENSG00000238232.1	0.877646253	1.948442969	0.051361983
KRTAP9-7	ENST00000459985.1	ENSG00000273066.1	0.850288904	1.857650171	0.063218709
KRTAP9-7	ENST00000489557.2	ENSG00000257045.1	0.873908598	1.962951669	0.04965179
KRTAP9-7	ENST00000490013.1	ENSG00000184115.12	0.900527938	2.021043595	0.043275252
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KRTAP9-7	ENST00000502421.1	ENSG00000250284.1	-0.824364771	-1.825326398	0.067951789
KRTAP9-7	ENST00000503034.1	ENSG00000248936.1	0.929123596	2.072143347	0.038252075
KRTAP9-7	ENST00000505196.1	ENSG00000248131.1	0.921284875	2.078648588	0.037649662
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KRTAP9-7	ENST00000508004.2	ENSG00000251661.3	0.861036725	1.913056416	0.05574083
KRTAP9-7	ENST00000508083.1	ENSG00000249343.1	0.833408622	1.868343594	0.061714194
KRTAP9-7	ENST00000508188.1	ENSG00000250999.1	0.82826385	1.864115933	0.062305426
KRTAP9-7	ENST00000514411.1	ENSG00000250882.1	0.942790624	2.125693521	0.033528787
KRTAP9-7	ENST00000514877.1	ENSG00000248685.1	0.92010614	2.029728728	0.042384121
KRTAP9-7	ENST00000515077.1	ENSG00000251206.1	0.838864913	1.857915331	0.063181039
KRTAP9-7	ENST00000518260.1	ENSG00000253628.1	-0.845535934	-1.876415601	0.060598234
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KRTAP9-7	ENST00000519038.2	ENSG00000254054.2	-0.852568599	-1.908433966	0.05633515
KRTAP9-7	ENST00000519368.1	ENSG00000253215.1	0.838768853	1.88263293	0.059750131
KRTAP9-7	ENST00000519451.1	ENSG00000253363.1	0.844026981	1.884235978	0.059533063
KRTAP9-7	ENST00000519852.1	ENSG00000253716.1	0.869723182	1.947890371	0.051428082
KRTAP9-7	ENST00000521207.1	ENSG00000253716.1	0.917538668	2.056456299	0.039738554
KRTAP9-7	ENST00000522547.1	ENSG00000253430.1	-0.900964132	-1.994700046	0.046075604
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KRTAP9-7	ENST00000526611.1	ENSG00000246982.2	0.849186895	1.936739362	0.052777212
KRTAP9-7	ENST00000528000.1	ENSG00000254804.1	0.925619095	2.058322322	0.039559203
KRTAP9-7	ENST00000528818.1	ENSG00000232995.3	0.947007233	2.126500734	0.033461588
KRTAP9-7	ENST00000531136.1	ENSG00000255558.1	-0.939023352	-2.086715581	0.036913852
KRTAP9-7	ENST00000536141.1	ENSG00000256969.1	0.869733817	1.956667704	0.050386549
KRTAP9-7	ENST00000537269.1	ENSG00000257084.1	0.879889525	1.968750993	0.048981692
KRTAP9-7	ENST00000543072.1	ENSG00000256092.2	-0.906431802	-2.010675054	0.044359791
KRTAP9-7	ENST00000548731.1	ENSG00000257809.1	0.8573861	1.889491829	0.058825957
KRTAP9-7	ENST00000552469.1	ENSG00000258325.1	0.818513387	1.814140263	0.069656134
KRTAP9-7	ENST00000554049.1	ENSG00000258763.1	0.937562986	2.076348402	0.03786174
KRTAP9-7	ENST00000554798.1	ENSG00000258483.1	0.95727548	2.145993977	0.031873459
KRTAP9-7	ENST00000557412.1	ENSG00000257621.3	-0.859485073	-1.881411322	0.059915988
KRTAP9-7	ENST00000558875.1	ENSG00000259737.2	0.831691314	1.85794297	0.063177113
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KRTAP9-7	ENST00000561529.1	ENSG00000260886.1	0.867045279	1.965772052	0.049324947
KRTAP9-7	ENST00000564102.1	ENSG00000260041.1	-0.818685488	-1.84308484	0.065316624
KRTAP9-7	ENST00000565359.1	ENSG00000260601.1	0.909565925	2.047972162	0.040562727
KRTAP9-7	ENST00000565829.1	ENSG00000260148.1	0.908951653	2.013428756	0.044069543
KRTAP9-7	ENST00000569742.1	ENSG00000260787.1	0.838593839	1.84984756	0.064335524
KRTAP9-7	ENST00000570158.1	ENSG00000260937.1	-0.885356945	-1.991466039	0.046429675
KRTAP9-7	ENST00000570843.1	ENSG00000261889.1	0.894897753	1.946951641	0.051540533
KRTAP9-7	ENST00000570929.1	ENSG00000262223.2	0.853744525	1.89164681	0.058538055
KRTAP9-7	ENST00000571815.1	ENSG00000262810.1	0.914561026	2.037794548	0.041570484
KRTAP9-7	ENST00000573414.1	ENSG00000263072.1	0.859430012	1.92406287	0.054346703
KRTAP9-7	ENST00000574460.1	ENSG00000263051.1	0.923234374	2.044593358	0.040894965
KRTAP9-7	ENST00000575139.1	ENSG00000263072.1	0.848141248	1.896504277	0.057893395
KRTAP9-7	ENST00000576086.1	ENSG00000262823.1	0.810396981	1.815845932	0.069394009
KRTAP9-7	ENST00000577064.1	ENSG00000262823.1	0.910111211	2.038847521	0.041465248
KRTAP9-7	ENST00000578936.1	ENSG00000265547.1	0.824672663	1.839126446	0.06589659
KRTAP9-7	ENST00000581905.1	ENSG00000264235.1	0.934669166	2.074206453	0.038060141
KRTAP9-7	ENST00000583138.1	ENSG00000263393.1	0.843619612	1.895302149	0.058052384
KRTAP9-7	ENST00000585072.1	ENSG00000263745.1	0.865757735	1.95279939	0.050843371
KRTAP9-7	ENST00000586010.1	ENSG00000267606.1	0.80275219	1.807355408	0.070706882
KRTAP9-7	ENST00000586051.1	ENSG00000267576.1	0.948875401	2.124901342	0.033594846
KRTAP9-7	ENST00000589281.1	ENSG00000267707.1	-0.875042796	-1.942663526	0.052056826
KRTAP9-7	ENST00000589673.1	ENSG00000267755.1	0.82235079	1.799451602	0.071947273
KRTAP9-7	ENST00000591137.1	ENSG00000267405.1	0.80242284	1.794502511	0.072732998
KRTAP9-7	ENST00000591836.1	ENSG00000267776.1	0.883815104	1.998674429	0.045643591
KRTAP9-7	ENST00000593632.1	ENSG00000180279.5	0.816951427	1.818928667	0.068922314
KRTAP9-7	ENST00000594590.2	ENSG00000268199.2	0.886235283	1.964216352	0.049505007
KRTAP9-7	ENST00000595508.1	ENSG00000269749.1	0.840012705	1.887364475	0.05911132
KRTAP9-7	ENST00000595955.1	ENSG00000268401.1	0.830110251	1.84761442	0.064658142
KRTAP9-7	ENST00000597309.1	ENSG00000232098.2	-0.818160282	-1.824641538	0.068055141
KRTAP9-7	ENST00000598131.1	ENSG00000269043.1	0.869465645	1.929403571	0.053680781

KRTAP9-7	ENST00000599352.1	ENSG00000240401.4	-0.817555571	-1.815654176	0.069423438
KRTAP9-7	ENST00000600071.1	ENSG00000269199.1	0.917284613	2.085315696	0.037040654
KRTAP9-7	ENST00000600234.1	ENSG00000268078.1	0.876942586	1.945503624	0.051714394
KRTAP9-7	ENST00000600534.1	ENSG00000267858.1	0.893383376	2.037062538	0.041643775
KRTAP9-7	ENST00000600889.1	ENSG00000232675.3	0.806519031	1.805740036	0.070958956
KRTAP9-7	ENST00000601752.1	ENSG00000268051.1	0.831135914	1.846802366	0.064775789
KRTAP9-7	ENST00000602532.1	ENSG00000270091.1	0.926481167	2.094297098	0.036233523
KRTAP9-7	ENST00000606068.1	ENSG00000272342.1	0.943716341	2.104154216	0.035364997
KRTAP9-7	ENST00000606374.1	ENSG00000272312.1	-0.813597697	-1.801557606	0.071615036
KRTAP9-7	ENST00000608952.1	ENSG00000272689.1	-0.86188834	-1.934878181	0.053005246
KRTAP9-7	ENST00000609067.1	ENSG00000272849.1	0.82668853	1.835880019	0.066375403
KRTAP9-7	ENST00000609146.1	ENSG00000272851.1	-0.820910577	-1.821225001	0.068572662
KRTAP9-7	ENST00000609281.1	ENSG00000273320.1	0.989351389	2.224283877	0.026129351
KRTAP9-7	NR_003604.2	ZFAS1	0.830456395	1.851893127	0.064041171
KRTAP9-7	NR_003606.2	ZFAS1	0.848082989	1.874571859	0.060851648
KRTAP9-7	NR_027271.1	CIRBP-AS1	0.802459329	1.78850009	0.073695361
KRTAP9-7	NR_027334.2	MZF1-AS1	0.886989973	1.958174863	0.050209498
KRTAP9-7	NR_034037.1	LINC00582	-0.968791457	-2.173238283	0.029762388
KRTAP9-7	NR_034111.1	TRAF3IP2-AS1	0.941561921	2.091515059	0.036481918
KRTAP9-7	NR_036658.1	ZFAS1	0.83839199	1.893638135	0.058273058
KRTAP9-7	NR_046454.1	LINC00907	-0.964311293	-2.143549923	0.032068967
KRTAP9-7	NR_103851.1	TAT-AS1	0.810715977	1.794787724	0.072687527
KRTAP9-7	NR_104158.1	NRG1-IT1	0.902623393	2.038624389	0.041487529
KRTAP9-7	NR_109870.1	LINC01723	0.917269685	2.065452406	0.038880214
KRTAP9-7	NR_110318.1	MACROD2-AS1	0.860176575	1.880467132	0.060044442
KRTAP9-7	NR_110568.1	LOC101927661	0.943502352	2.108632575	0.034976309
KRTAP9-7	NR_110635.1	LINC00687	0.842599696	1.872901476	0.061081991
KRTAP9-7	NR_110919.1	LOC101928530	0.832342803	1.867376198	0.061849071
KRTAP9-7	NR_117097.1	LINC01353	0.801525397	1.813177243	0.069804489
KRTAP9-7	NR_117098.1	LINC01353	0.876515331	1.944868059	0.05179086
KRTAP9-7	NR_120423.1	LOC101929140	-0.842548424	-1.900234412	0.057402364
KRTAP9-7	NR_125925.1	LOC101929448	0.843351489	1.895117065	0.058076894
KRTAP9-7	NR_126380.1	LINC01072	0.853145142	1.907986159	0.056393005
KRTAP9-7	NR_130144.1	LOC104968399	0.934669166	2.108118376	0.035020751
KRTAP9-7	NR_133658.1	HTR3E-AS1	-0.876409197	-1.952497008	0.050879226
KRTAP9-7	NR_134273.1	LOC101929544	0.806075198	1.783345984	0.07453
KRTAP9-7	NR_135032.1	LOC105369635	0.879889525	1.935341311	0.052948426
KRTAP9-7	NR_135644.1	LOC105371506	-0.960699808	-2.178858999	0.029342144
KRTAP9-7	NR_138041.1	LINC00384	0.894707518	2.033462949	0.042005773
LAT2	ENST00000398777.3	ENSG00000240152.2	0.901333236	2.030707485	0.042284677
LAT2	ENST00000413650.1	ENSG00000230880.2	0.813361659	1.804989545	0.071076318
LAT2	ENST00000413969.1	ENSG00000224189.2	0.821213521	1.839092913	0.065901521
LAT2	ENST00000414377.1	ENSG00000230470.1	0.85646987	1.878030779	0.060376955
LAT2	ENST00000416220.1	ENSG00000236753.1	0.908999004	2.071912818	0.038273572
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LST1	NR_027271.1	CIRBP-AS1	0.857136315	1.9496446	0.051218494
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LST1	NR_109831.1	RASSF1-AS1	0.894328506	2.006787492	0.044772295
LST1	NR_109885.1	RALY-AS1	0.905558522	2.018984778	0.043488802
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LTB	ENST00000584705.1	ENSG00000264569.1	0.937907745	2.115206729	0.034412332
LTB	ENST00000585559.1	ENSG00000267117.1	0.96295964	2.162722966	0.030562494
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NLGN4Y	ENST00000445631.1	ENSG00000231052.1	0.967617272	2.171572908	0.029887892
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NLGN4Y	ENST00000448650.1	ENSG00000223536.1	0.883318679	1.935915415	0.052878061
NLGN4Y	ENST00000449586.1	ENSG00000235257.4	0.886620695	1.986022019	0.047030879
NLGN4Y	ENST00000450500.1	ENSG00000225790.1	0.960692027	2.171444642	0.029897577
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NLGN4Y	ENST00000452002.1	ENSG00000236501.1	0.822753351	1.879827549	0.060131585
NLGN4Y	ENST00000452553.1	ENSG00000233973.1	-0.84976777	-1.870596732	0.061400998
NLGN4Y	ENST00000454709.1	ENSG00000237280.1	0.927678356	2.096877425	0.036004427
NLGN4Y	ENST00000455416.1	ENSG00000229337.1	0.856348839	1.928357102	0.053810724
NLGN4Y	ENST00000456091.1	ENSG00000226985.1	0.86750019	1.936558033	0.052799392
NLGN4Y	ENST00000460993.1	ENSG00000241231.1	-0.806054438	-1.770786457	0.076596219
NLGN4Y	ENST00000476099.1	ENSG00000244158.1	0.804315285	1.811099281	0.070125485
NLGN4Y	ENST00000479233.1	ENSG00000243150.1	-0.919935319	-2.056299383	0.039753668
NLGN4Y	ENST00000482142.1	ENSG00000243276.1	-0.842749828	-1.900820046	0.057325588
NLGN4Y	ENST00000485347.1	ENSG00000239991.1	0.954972784	2.145478359	0.03191462
NLGN4Y	ENST00000487368.1	ENSG00000273328.1	0.834387519	1.849551125	0.064378273

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NLGN4Y	ENST00000507808.1	ENSG00000250333.1	0.954219496	2.164498583	0.030426105
NLGN4Y	ENST00000509629.1	ENSG00000250164.1	0.809530608	1.826625017	0.067756169
NLGN4Y	ENST00000509983.1	ENSG00000248173.1	0.807962186	1.785438481	0.074190222
NLGN4Y	ENST00000511234.1	ENSG00000250865.1	0.894374127	1.96237272	0.049719106
NLGN4Y	ENST00000514459.1	ENSG00000248211.1	0.945144514	2.12164189	0.033867822
NLGN4Y	ENST00000518620.1	ENSG00000253892.1	0.834181028	1.886557073	0.059219925
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NLGN4Y	ENST00000521378.1	ENSG00000254222.1	0.859516859	1.929859702	0.053624224
NLGN4Y	ENST00000523703.1	ENSG00000214803.3	0.859433757	1.934923931	0.052999631
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NLGN4Y	ENST00000524309.1	ENSG00000240915.2	0.937596636	2.103868972	0.035389878
NLGN4Y	ENST00000528869.1	ENSG00000255443.1	-0.874854859	-1.970303301	0.04880362
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NLGN4Y	ENST00000533938.1	ENSG00000255142.1	0.888567521	2.007758058	0.044669008
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NLGN4Y	ENST00000557368.1	ENSG00000258444.1	0.852085923	1.919936327	0.054865943
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OPN1MW2	ENST00000570512.1	ENSG00000262768.1	0.882224463	1.953135613	0.050803528

OPN1MW2	ENST00000570843.1	ENSG00000261889.1	0.951615583	2.165038308	0.030384752
OPN1MW2	ENST00000570929.1	ENSG00000262223.2	0.95902656	2.135123359	0.032750935
OPN1MW2	ENST00000571815.1	ENSG00000262810.1	0.81288473	1.827322742	0.067651258
OPN1MW2	ENST00000574460.1	ENSG00000263051.1	0.802003586	1.795685653	0.072544525
OPN1MW2	ENST00000575139.1	ENSG00000263072.1	0.942825903	2.113173038	0.03458596
OPN1MW2	ENST00000577064.1	ENSG00000262823.1	0.866761753	1.91314058	0.055730058
OPN1MW2	ENST00000577678.1	ENSG00000265415.1	0.85249305	1.911144367	0.055986031
OPN1MW2	ENST00000577698.1	ENSG00000265100.1	0.854600471	1.871106232	0.061330358
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OPN1MW2	ENST00000578757.1	ENSG00000175061.13	0.84826858	1.892275635	0.058454266
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OPN1MW2	ENST00000581940.1	ENSG00000265484.1	0.87465701	1.951747644	0.050968173
OPN1MW2	ENST00000585072.1	ENSG00000263745.1	0.866798423	1.96124395	0.049850572
OPN1MW2	ENST00000585559.1	ENSG00000267117.1	0.848408483	1.913904352	0.055632378
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OPN1MW2	ENST00000597169.1	ENSG00000269720.1	0.92933265	2.080180687	0.037508963
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OPN1MW2	ENST00000606374.1	ENSG00000272312.1	-0.847204408	-1.879683289	0.060151254
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OPN1MW2	NR_026802.1	FAM74A4	0.836407119	1.868909667	0.061635383
OPN1MW2	NR_027271.1	CIRBP-AS1	0.928963728	2.078235813	0.037687645
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OPN1MW2	NR_044996.1	HCG23	0.921506264	2.087702721	0.036824659
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OPN1MW2	NR_103790.1	LINC00581	-0.894294388	-2.005064379	0.044956165
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OPN1MW2	NR_108036.1	CFAP58-AS1	0.959052898	2.144531025	0.031990362
OPN1MW2	NR_109886.1	RALY-AS1	0.8242326	1.862885205	0.062478419
OPN1MW2	NR_110480.1	LOC101927079	0.80232523	1.810707191	0.070186189
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OPN1MW2	NR_135032.1	LOC105369635	0.889806403	1.981727436	0.047509755
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OR1OAG1	ENST00000560963.1	ENSG00000259370.1	-0.824374	-1.81963143	0.068815152
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OR1OAG1	ENST00000582044.1	ENSG00000263715.2	-0.851612118	-1.916392357	0.055315173
OR1OAG1	ENST00000585684.1	ENSG00000267057.1	0.827930649	1.820296179	0.068713913
OR1OAG1	ENST00000585761.1	ENSG00000267198.1	-0.905394183	-2.027700489	0.042590826
OR1OAG1	ENST00000585810.1	ENSG00000236172.2	-0.85138805	-1.902275786	0.05713511
OR1OAG1	ENST00000586348.1	ENSG00000267198.1	-0.873351525	-1.957513822	0.050287088
OR1OAG1	ENST00000588402.1	ENSG00000267006.1	0.910449268	2.033144349	0.042037941
OR1OAG1	ENST00000588842.1	ENSG00000235779.3	0.941121239	2.08566596	0.037008892
OR1OAG1	ENST00000589380.1	ENSG00000267488.1	-0.817519198	-1.823596795	0.068213051
OR1OAG1	ENST00000591621.1	ENSG00000232116.2	0.920680294	2.052896095	0.040082656
OR1OAG1	ENST00000592022.1	ENSG00000267383.2	0.865866048	1.948139975	0.051398217
OR1OAG1	ENST00000592525.1	ENSG00000267214.1	-0.888469546	-1.991862855	0.046386108
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OR1OAG1	ENST00000593175.1	ENSG00000229036.3	0.907191737	2.052939888	0.040078408
OR1OAG1	ENST00000594776.1	ENSG00000269807.1	-0.917784999	-2.057234442	0.03966368
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OR1OAG1	ENST00000595007.1	ENSG00000231876.3	0.801791322	1.775376687	0.075835711
OR1OAG1	ENST00000596091.1	ENSG00000227733.4	0.925536176	2.051655822	0.040203123
OR1OAG1	ENST00000596567.1	ENSG00000226647.2	0.975371789	2.164627226	0.030416244
OR1OAG1	ENST00000596887.1	ENSG00000237031.3	0.872696811	1.951883589	0.050952027
OR1OAG1	ENST00000597680.1	ENSG00000269574.1	0.842936076	1.884042066	0.059559286
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OR10AG1	ENST00000606482.1	ENSG00000272416.1	0.820799638	1.81350998	0.069753201
OR10AG1	ENST00000606869.1	ENSG00000272349.1	0.862422155	1.922421455	0.054552748
OR10AG1	ENST00000606909.1	ENSG00000271821.1	-0.841905289	-1.877064775	0.060509217
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OR10AG1	ENST00000607943.1	ENSG00000273188.1	-0.846133422	-1.892235832	0.058459566
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OR10AG1	ENST00000608259.1	ENSG00000272627.1	0.909448144	2.051543586	0.04021404
OR10AG1	ENST00000608489.1	ENSG00000272716.1	-0.938134924	-2.095367403	0.036138345
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OR10AG1	ENST00000609113.1	ENSG00000272827.1	-0.815698103	-1.821682395	0.068503191
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OR10AG1	ENST00000609955.1	ENSG00000273275.1	0.856869137	1.933584901	0.053164185
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OR10AG1	NR_027067.1	LINC00114	-0.845694229	-1.873313353	0.061025127
OR10AG1	NR_027402.1	FAM223B	-0.917568459	-2.027735368	0.042587264
OR10AG1	NR_033914.1	LINC00254	0.836036015	1.868835693	0.061645677
OR10AG1	NR_034131.1	LINC00272	-0.802114043	-1.812027696	0.069981917
OR10AG1	NR_038421.1	LINC01220	-0.895541534	-2.020648888	0.043316124
OR10AG1	NR_038923.1	SSSCA1-AS1	-0.882193197	-1.985651559	0.047072027
OR10AG1	NR_040049.1	SDCBP2-AS1	-0.865887918	-1.934439349	0.053059132
OR10AG1	NR_046871.1	LINC00333	0.935967776	2.100892609	0.035650394
OR10AG1	NR_047698.1	VWC2L-IT1	0.838177133	1.871765493	0.061239054
OR10AG1	NR_102746.1	ROPNIL-AS1	-0.865912756	-1.912532693	0.055807903
OR10AG1	NR_108106.1	LINC01135	-0.820447163	-1.808301541	0.070559582
OR10AG1	NR_109831.1	RASSF1-AS1	-0.864015249	-1.923380577	0.054432272
OR10AG1	NR_109877.1	LINC01470	0.944330776	2.091388628	0.036493241
OR10AG1	NR_110117.1	LOC101927769	0.901883931	2.02572567	0.042792905
OR10AG1	NR_110245.1	LOC101929282	0.969493416	2.17381332	0.029719158
OR10AG1	NR_110556.1	LOC102724890	0.947710562	2.118090913	0.034167369
OR10AG1	NR_110630.1	LOC101927478	-0.963483801	-2.144689433	0.031977686
OR10AG1	NR_110824.1	LINC01986	0.833432728	1.850992893	0.064170575
OR10AG1	NR_111951.1	LINC00869	-0.818861495	-1.822605487	0.068363164
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OR10AG1	NR_125849.1	LOC101928140	0.934751985	2.086204712	0.036960084
OR10AG1	NR_131204.1	XACT	-0.879122226	-1.961196949	0.049856053
OR10AG1	NR_131243.1	SMCR2	-0.826174602	-1.859172665	0.063002668
OR10AG1	NR_134520.1	LOC727993	-0.850431058	-1.904311261	0.056869659
OR10AG1	NR_134610.1	LOC105375014	-0.803909126	-1.783055801	0.07457722
OR10AG1	NR_134632.1	LOC105373051	-0.863181708	-1.940815415	0.052280671
OR10AG1	NR_135040.1	LOC101927038	-0.945995761	-2.114219177	0.034496552
OR10AG1	NR_135041.1	LOC101927038	-0.856662588	-1.917641653	0.055156465
OR10AG1	NR_135097.1	LOC105369443	0.918242503	2.051611419	0.040207442

OR10AG1	NR_135584.1	LOC101927596	-0.843640247	-1.883102837	0.059686433
OR10AG1	NR_136215.1	VCAN-AS1	0.85163068	1.924236074	0.054324999
OR10AG1	NR_136218.1	MEF2C-AS1	0.827016201	1.855624485	0.063507101
OR13C2	ENST00000411489.1	ENSG00000227112.1	0.815844608	1.81727392	0.069175181
OR13C2	ENST00000412445.1	ENSG00000238042.1	-0.873139539	-1.92433587	0.054312497
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OR13C2	ENST00000418416.1	ENSG00000226218.1	0.961938288	2.140429394	0.032320081
OR13C2	ENST00000428391.1	ENSG00000224691.1	-0.831676519	-1.843540514	0.065250132
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OR13C2	ENST00000432265.1	ENSG00000231170.1	-0.815467535	-1.842097136	0.065460943
OR13C2	ENST00000433249.1	ENSG00000236556.1	0.824929261	1.879435919	0.060184996
OR13C2	ENST00000437864.1	ENSG00000231521.1	0.964826628	2.164825557	0.030401047
OR13C2	ENST00000438488.1	ENSG00000223812.1	0.806740992	1.821367173	0.068551062
OR13C2	ENST00000441295.1	ENSG00000233960.1	-0.801891102	-1.803507352	0.071308572
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OR13C2	ENST00000452511.1	ENSG00000231876.3	0.805808872	1.787156408	0.073912213
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OR13C2	ENST00000485338.1	ENSG00000239641.1	0.858453039	1.885909148	0.059307199
OR13C2	ENST00000490375.1	ENSG00000240032.1	0.938280935	2.076239901	0.037871769
OR13C2	ENST00000502467.1	ENSG00000250530.1	0.85032064	1.909815015	0.056157035
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OR13C2	ENST00000514966.1	ENSG00000251310.1	-0.800898279	-1.802837162	0.071413792
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OR13C2	ENST00000532123.1	ENSG00000255555.1	0.879184368	2.003402541	0.045134099
OR13C2	ENST00000537492.1	ENSG00000256637.2	0.894543248	1.977418493	0.047994345
OR13C2	ENST00000545158.1	ENSG00000256011.1	0.801695161	1.778871009	0.075260912
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OR13C2	ENST00000547547.1	ENSG00000257241.1	-0.839651618	-1.898418894	0.057640923
OR13C2	ENST00000550138.1	ENSG00000257467.1	0.950265757	2.115703065	0.03437007
OR13C2	ENST00000557817.1	ENSG00000259176.1	0.853776147	1.922720133	0.054515207
OR13C2	ENST00000561544.1	ENSG00000261532.1	-0.916220596	-2.037626905	0.041587259
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OR13C2	ENST00000570413.1	ENSG00000263167.1	-0.904539544	-2.041621405	0.0411891
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OR13C2	ENST00000585877.1	ENSG00000267249.1	-0.937773531	-2.06727852	0.038707917
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OR13C2	ENST00000597865.1	ENSG00000268108.1	0.934650826	2.098085963	0.035897552
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OR13C2	ENST00000602418.1	ENSG00000232295.3	-0.843917546	-1.882911851	0.059712315
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OR13C2	NR_026962.1	TTC28-AS1	-0.905863119	-2.025124151	0.042854618
OR13C2	NR_103445.2	RBFADN	-0.890296687	-1.996216378	0.045910376
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OR13C2	NR_125875.1	TBX18-AS1	0.845486602	1.881760669	0.059868518
OR13C2	NR_125876.1	TBX18-AS1	0.811365833	1.816453615	0.069300817
OR13C2	NR_133907.1	HLA-DQB1-AS1	0.905298756	2.054568288	0.039920721
OR13C2	NR_134576.1	LOC105372672	-0.928870723	-2.065338706	0.038890964
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OR13C5	ENST00000562834.1	ENSG00000261116.1	0.821733926	1.862419155	0.062544031
OR13C5	ENST00000567067.1	ENSG00000261600.1	0.927702402	2.068946922	0.038551068
OR13C5	ENST00000570919.1	ENSG00000263321.1	0.810020944	1.81350014	0.069754717
OR13C5	ENST00000589983.1	ENSG00000267057.1	0.87113083	1.951634431	0.050981622
OR13C5	ENST00000592045.1	ENSG00000267057.1	0.841765284	1.896280883	0.057922913
OR13C5	ENST00000602620.1	ENSG00000215386.6	0.904738842	2.026180248	0.042746317
OR13C5	ENST00000603533.1	ENSG00000271384.1	0.905152375	2.026469809	0.042716664
OR13C5	ENST00000608934.1	ENSG00000273063.1	0.810930759	1.826324096	0.067801458
OR13C5	ENST00000609924.1	ENSG00000272688.1	-0.968449879	-2.155719825	0.031105549
OR13C5	NR_110275.1	LOC101927795	-0.866409877	-1.961311177	0.049842734
OR13C5	NR_125839.1	LOC101927020	0.955817428	2.124939319	0.033591677
OR13C5	NR_134573.1	GS1-124K5.4	0.83889537	1.892486584	0.058426179
OR13C5	NR_135679.1	LOC105370829	0.862473777	1.92103826	0.054726884
OR2T4	ENST00000399186.2	ENSG00000214888.2	0.981058821	2.191396777	0.028423092
OR2T4	ENST00000413650.1	ENSG00000230880.2	0.937266204	2.085135712	0.037056983
OR2T4	ENST00000413991.1	ENSG00000237614.1	0.887022453	1.996299816	0.045901298
OR2T4	ENST00000416641.1	ENSG00000226956.1	-0.90214417	-2.035309745	0.041819716
OR2T4	ENST00000416657.1	ENSG00000235858.1	0.879916938	1.995511107	0.045987164
OR2T4	ENST00000417426.1	ENSG00000233145.1	0.877778059	1.953512885	0.050758852
OR2T4	ENST00000418972.1	ENSG00000225044.1	-0.845306707	-1.87763224	0.060431492
OR2T4	ENST00000420315.1	ENSG00000228072.1	0.81328322	1.8202993	0.068713438

OR2T4	ENST00000420365.1	ENSG00000225214.1	0.860439179	1.906076199	0.05664032
OR2T4	ENST00000420465.1	ENSG00000167355.3	0.929487891	2.070357095	0.038418917
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OR2T4	ENST00000421020.1	ENSG00000231407.1	0.908630979	2.031155729	0.0422392
OR2T4	ENST00000423869.1	ENSG00000227848.1	0.822916316	1.834417898	0.066591985
OR2T4	ENST00000424181.1	ENSG00000224977.1	0.957328048	2.140601886	0.032306157
OR2T4	ENST00000425371.2	ENSG00000235872.2	0.837652184	1.847293265	0.064704649
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OR2T4	ENST00000426519.1	ENSG00000234142.1	0.823402593	1.829482036	0.067327428
OR2T4	ENST00000427064.1	ENSG00000238031.1	0.825470235	1.841519205	0.065545509
OR2T4	ENST00000429630.1	ENSG00000232533.1	0.809766071	1.805933573	0.070928716
OR2T4	ENST00000433344.1	ENSG00000234083.1	-0.838409198	-1.874298404	0.060889307
OR2T4	ENST00000433614.1	ENSG00000228534.1	-0.896592208	-1.998961429	0.045612527
OR2T4	ENST00000435434.1	ENSG00000231233.1	0.845102845	1.893599125	0.05827824
OR2T4	ENST00000435733.1	ENSG00000226377.1	0.894464609	1.995255877	0.04601498
OR2T4	ENST00000435992.2	ENSG00000232675.3	0.933839424	2.090811998	0.03654492
OR2T4	ENST00000436582.1	ENSG00000236525.1	-0.827735221	-1.863247199	0.062427495
OR2T4	ENST00000437330.1	ENSG00000229203.1	0.802222771	1.803842503	0.071256001
OR2T4	ENST00000438107.1	ENSG00000234449.2	0.840707347	1.877963242	0.060386194
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OR2T4	ENST00000447709.1	ENSG00000237473.1	0.97995756	2.190331938	0.028500172
OR2T4	ENST00000450063.1	ENSG00000231210.2	-0.840830861	-1.886019793	0.059292287
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OR2T4	ENST00000451656.1	ENSG00000228417.1	0.884465489	2.002751702	0.045203946
OR2T4	ENST00000453579.1	ENSG00000232529.1	0.898047528	2.005368425	0.044923675
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OR2T4	ENST00000455699.1	ENSG00000240996.1	0.807122549	1.822179933	0.068427688
OR2T4	ENST00000457115.1	ENSG00000227245.1	0.893249475	2.002179518	0.045265428
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OR2T4	NR_022011.1	PWARSN	0.830624219	1.862075162	0.062592497
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OR2T4	NR_044996.1	HCG23	0.801605288	1.788594644	0.073680121
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OR2T4	NR_108036.1	CFAP58-AS1	0.826236689	1.833041921	0.066796337
OR2T4	NR_110053.1	LOC101927464	0.880189983	1.965649023	0.049339167
OR2T4	NR_110480.1	LOC101927079	0.815017367	1.815997789	0.069370711
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OR4C11	ENST00000441991.1	ENSG00000231210.2	-0.828957896	-1.874405133	0.060874607
OR4C11	ENST00000442850.1	ENSG00000232600.2	-0.812717872	-1.836915718	0.066222338
OR4C11	ENST00000449463.1	ENSG00000230309.1	-0.867691287	-1.943924554	0.05190455
OR4C11	ENST00000456715.1	ENSG00000224893.1	0.830521585	1.856200793	0.063424943
OR4C11	ENST00000456999.1	ENSG00000230690.1	0.829298799	1.852220258	0.063994201
OR4C11	ENST00000457602.1	ENSG00000237576.1	-0.864365189	-1.954455914	0.050647324
OR4C11	ENST00000458443.1	ENSG00000238232.1	0.87981749	1.94717671	0.051513553
OR4C11	ENST00000474656.1	ENSG00000244198.1	0.886607421	1.963866764	0.049545545
OR4C11	ENST00000503034.1	ENSG00000248936.1	0.894946334	2.003326189	0.045142288
OR4C11	ENST00000508004.2	ENSG00000251661.3	0.933091523	2.071290004	0.038331703
OR4C11	ENST00000514411.1	ENSG00000250882.1	0.944037167	2.121647184	0.033867377
OR4C11	ENST00000514877.1	ENSG00000248685.1	0.860536856	1.913782029	0.055648013

OR4C11	ENST00000515504.1	ENSG00000249588.1	-0.906706099	-2.043549306	0.040998092
OR4C11	ENST00000518260.1	ENSG00000253628.1	-0.835759339	-1.845029679	0.065033221
OR4C11	ENST00000518894.1	ENSG00000204758.3	0.890174948	1.984314916	0.047220744
OR4C11	ENST00000519368.1	ENSG00000253215.1	0.813590711	1.827086975	0.067686693
OR4C11	ENST00000520838.1	ENSG00000253404.1	0.857788178	1.931946281	0.053366137
OR4C11	ENST00000522547.1	ENSG00000253430.1	-0.863442967	-1.906419501	0.056595801
OR4C11	ENST00000524094.1	ENSG00000248555.2	-0.890632986	-1.97847953	0.047874636
OR4C11	ENST00000528607.1	ENSG00000254604.1	0.832810548	1.869805633	0.061510814
OR4C11	ENST00000528818.1	ENSG00000232995.3	0.937533754	2.070263655	0.038427661
OR4C11	ENST00000531136.1	ENSG00000255558.1	-0.933912474	-2.086732191	0.03691235
OR4C11	ENST00000540739.1	ENSG00000249196.2	-0.835493823	-1.856499093	0.063382452
OR4C11	ENST00000547547.1	ENSG00000257241.1	-0.806703249	-1.758252312	0.078704588
OR4C11	ENST00000550138.1	ENSG00000257467.1	0.897853821	2.000614732	0.045433925
OR4C11	ENST00000551361.1	ENSG00000224078.8	-0.816567829	-1.839122307	0.065897199
OR4C11	ENST00000554798.1	ENSG00000258483.1	0.919634128	2.043884599	0.040964949
OR4C11	ENST00000560134.1	ENSG00000259176.1	0.85938785	1.932197482	0.053335136
OR4C11	ENST00000563449.2	ENSG00000261613.2	0.864306446	1.915172092	0.05547056
OR4C11	ENST00000570158.1	ENSG00000260937.1	-0.827470623	-1.833903486	0.066668322
OR4C11	ENST00000573414.1	ENSG00000263072.1	0.854076744	1.897279083	0.057791114
OR4C11	ENST00000574460.1	ENSG00000263051.1	0.849168383	1.939696425	0.052416594
OR4C11	ENST00000581905.1	ENSG00000264235.1	0.829228872	1.854648926	0.063646377
OR4C11	ENST00000585072.1	ENSG00000263745.1	0.851534136	1.915154666	0.055472782
OR4C11	ENST00000586051.1	ENSG00000267576.1	0.872979308	1.9308807	0.053497807
OR4C11	ENST00000587281.1	ENSG00000228290.2	0.879828619	1.980270832	0.047673104
OR4C11	ENST00000595508.1	ENSG00000269749.1	0.930107899	2.087410675	0.036851028
OR4C11	ENST00000597865.1	ENSG00000268108.1	0.858318355	1.946552916	0.051588358
OR4C11	ENST00000598131.1	ENSG00000269043.1	0.898617397	1.995842568	0.045951062
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OR4C11	ENST00000599352.1	ENSG00000240401.4	-0.865211771	-1.92393782	0.054362378
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OR4C11	ENST00000606374.1	ENSG00000272312.1	-0.843482379	-1.884245678	0.059531751
OR4C11	ENST00000606778.1	ENSG00000271930.1	0.82158099	1.816810817	0.069246086
OR4C11	ENST00000607052.1	ENSG00000271870.1	-0.838708648	-1.883790664	0.059593297
OR4C11	ENST00000607224.1	ENSG00000272521.1	0.808961572	1.809460661	0.070379466
OR4C11	ENST00000607600.1	ENSG00000272114.1	-0.824650872	-1.868060124	0.061753691
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OR4C11	NR_024321.1	LINC00115	0.839683562	1.860402214	0.062828642
OR4C11	NR_034037.1	LINC00582	-0.901742674	-2.024850208	0.042882748
OR4C11	NR_034111.1	TRAF3IP2-AS1	0.932819523	2.102437364	0.035514981
OR4C11	NR_046454.1	LINC00907	-0.808058498	-1.81100327	0.070140346
OR4C11	NR_103445.2	RBFADN	-0.918848388	-2.060718911	0.039329864
OR4C11	NR_109870.1	LINC01723	0.830473904	1.847223745	0.064714719
OR4C11	NR_110568.1	LOC101927661	0.923270188	2.054972649	0.039881647
OR4C11	NR_125875.1	TBX18-AS1	0.934685685	2.108256794	0.035008783
OR4C11	NR_125876.1	TBX18-AS1	0.945239968	2.126904693	0.033428003
OR4C11	NR_126380.1	LINC01072	0.948370276	2.115404343	0.0343955
OR4C11	NR_126389.1	LINC00428	-0.856785038	-1.931307875	0.05344499
OR4C11	NR_130144.1	LOC104968399	0.829228872	1.828247802	0.06751237
OR4C11	NR_133658.1	HTR3E-AS1	-0.916694336	-2.042171625	0.04113451
OR4C11	NR_133907.1	HLA-DQB1-AS1	0.811785366	1.802404595	0.071481773
OR4C11	NR_134245.1	LOC105379194	0.862500206	1.94814359	0.051397784

OR4C11	NR_138041.1	LINC00384	0.899398336	2.010618049	0.044365816
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OR4S2	ENST00000416401.1	ENSG00000237756.1	-0.942393566	-2.098029373	0.035902551
OR4S2	ENST00000422697.1	ENSG00000236414.1	-0.832211532	-1.841423122	0.065559577
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OR4S2	ENST00000426929.1	ENSG00000230184.1	-0.843619631	-1.887755179	0.059058825
OR4S2	ENST00000429796.1	ENSG00000231858.1	-0.865105233	-1.940406459	0.052330312
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OR4S2	ENST00000429916.1	ENSG00000227708.1	0.831640039	1.842455976	0.06540848
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OR4S2	ENST00000432559.2	ENSG00000228229.2	0.96890056	2.168973104	0.030084726
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OR4S2	ENST00000444731.1	ENSG00000227131.1	-0.842994347	-1.892451039	0.058430911
OR4S2	ENST00000456715.1	ENSG00000224893.1	0.828652332	1.809632267	0.070352833
OR4S2	ENST00000456999.1	ENSG00000230690.1	0.82182431	1.822660364	0.068354847
OR4S2	ENST00000457602.1	ENSG00000237576.1	-0.97367266	-2.156645031	0.031033333
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OR4S2	ENST00000474656.1	ENSG00000244198.1	0.944247443	2.101650827	0.035583874
OR4S2	ENST00000488040.1	ENSG00000243176.1	0.883736944	1.977198203	0.048019231
OR4S2	ENST00000505844.1	ENSG00000248455.1	0.835461879	1.859772535	0.062917715
OR4S2	ENST00000508004.2	ENSG00000251661.3	0.924564394	2.082770458	0.037272152
OR4S2	ENST00000509983.1	ENSG00000248173.1	-0.866495494	-1.946315363	0.051616869
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OR4S2	ENST00000514411.1	ENSG00000250882.1	0.83563572	1.897736812	0.057730761
OR4S2	ENST00000515504.1	ENSG00000249588.1	-0.942223415	-2.094190153	0.036243045
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OR4S2	ENST00000519844.1	ENSG00000253824.1	-0.805750688	-1.83089568	0.067116115
OR4S2	ENST00000528607.1	ENSG00000254604.1	0.833737721	1.859429002	0.062966354
OR4S2	ENST00000528818.1	ENSG00000232995.3	0.928909648	2.088105294	0.036788338
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OR4S2	ENST00000557855.1	ENSG00000259176.1	0.918514717	2.019117479	0.043475011
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OR4S2	ENST00000602418.1	ENSG00000232295.3	-0.833186342	-1.868348122	0.061713563
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OR4S2	ENST00000606374.1	ENSG00000272312.1	-0.868300213	-1.970354093	0.048797803
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OR4S2	NR_103445.2	RBFADN	-0.84786625	-1.886174055	0.059271504
OR4S2	NR_109870.1	LINC01723	0.86099904	1.934450583	0.053057752
OR4S2	NR_110568.1	LOC101927661	0.859117491	1.91991382	0.054868786
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OR4S2	NR_125875.1	TBX18-AS1	0.962152004	2.145241794	0.03193352
OR4S2	NR_125876.1	TBX18-AS1	0.963689491	2.186274349	0.02879554
OR4S2	NR_126380.1	LINC01072	0.904384478	2.030324576	0.042323558
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OR6C70	ENST00000412348.1	ENSG00000228959.1	0.879597733	1.929466969	0.053672917
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OR6C70	ENST00000422017.1	ENSG00000232227.1	0.95217839	2.130525359	0.033128264
OR6C70	ENST00000422914.1	ENSG00000236120.2	-0.824337041	-1.837734275	0.066101571
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OR6C70	ENST00000450779.1	ENSG00000228858.1	0.843543247	1.876674084	0.060562777
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OR6C70	ENST00000457043.1	ENSG00000231365.1	0.902423819	2.024085518	0.042961353
OR6C70	ENST00000457856.1	ENSG00000228549.2	-0.834619954	-1.851328049	0.064122373
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OR6C70	ENST00000502467.1	ENSG00000250530.1	0.953963622	2.183392712	0.029006902
OR6C70	ENST00000503505.1	ENSG00000248629.1	0.848924495	1.905029677	0.056776213
OR6C70	ENST00000503987.1	ENSG00000250075.1	0.802078915	1.794559133	0.072723969
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OR6C70	ENST00000512882.2	ENSG00000251575.2	0.917642453	2.063729958	0.039043327
OR6C70	ENST00000522390.1	ENSG00000254262.1	0.889253673	1.979532698	0.047756062
OR6C70	ENST00000532123.1	ENSG00000255555.1	0.95217164	2.181241579	0.029165553
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OR9K2	NR_110117.1	LOC101927769	0.812291877	1.803021473	0.071384842
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PFDN5	NR_126380.1	LINC01072	0.81873598	1.842571293	0.065391629
PFDN5	NR_130143.1	LOC104968399	0.936845493	2.088089008	0.036789806
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PFDN5	NR_134245.1	LOC105379194	0.83901729	1.91181496	0.055899932
PFDN5	NR_135644.1	LOC105371506	-0.869473822	-1.951918966	0.050947826
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PGLS	ENST00000504916.1	ENSG00000248112.1	-0.860718431	-1.96018567	0.049974093
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POLD4	NR_034131.1	LINC00272	0.838575827	1.900280449	0.057396326
POLD4	NR_037169.1	LOC100507547	0.848227478	1.870983861	0.061347318
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POLD4	NR_047116.1	HIF1A-AS1	-0.9241822	-2.049138731	0.040448551
POLD4	NR_051987.1	LINC00499	0.812246732	1.807214928	0.070728774
POLD4	NR_108106.1	LINC01135	0.887396841	1.969734592	0.048868796
POLD4	NR_109831.1	RASSF1-AS1	0.913944396	2.043213519	0.041031306
POLD4	NR_109885.1	RALY-AS1	0.925536799	2.078238174	0.037687428
POLD4	NR_109886.1	RALY-AS1	0.832833632	1.875998807	0.060655444
POLD4	NR_110245.1	LOC101929282	-0.851421807	-1.90917727	0.056239227
POLD4	NR_110559.1	LOC101927023	-0.870871509	-1.956958216	0.050352381
POLD4	NR_110630.1	LOC101927478	0.840238257	1.879814185	0.060133406
POLD4	NR_110941.1	MIR762HG	0.93063076	2.072036411	0.038262046
POLD4	NR_110998.1	FAM74A4	0.816391447	1.833135912	0.066782362
POLD4	NR_111951.1	LINC00869	0.825018287	1.846567503	0.064809848
POLD4	NR_111952.1	LINC00869	0.812473183	1.817089681	0.069203382
POLD4	NR_111953.1	LINC00869	0.824114616	1.849549001	0.064378579

POLD4	NR_125849.1	LOC101928140	-0.836059198	-1.853566642	0.063801184
POLD4	NR_126522.1	EXOC3-AS1	0.836229887	1.864180869	0.062296309
POLD4	NR_130143.1	LOC104968399	0.80966081	1.7900528	0.073445424
POLD4	NR_131204.1	XACT	0.843468787	1.863051829	0.062454975
POLD4	NR_134520.1	LOC727993	0.941097151	2.094177952	0.036244131
POLD4	NR_135024.1	LOC105369747	0.856883927	1.904295459	0.056871715
POLD4	NR_135097.1	LOC105369443	-0.881595154	-1.950352946	0.051134066
POLD4	NR_136215.1	VCAN-AS1	-0.934668174	-2.105509031	0.035247022
POLD4	NR_136320.1	LOC105373656	0.857619055	1.913905686	0.055632208
POLR2J3	ENST00000400768.2	ENSG00000215692.2	0.889415534	2.00651097	0.04480176
POLR2J3	ENST00000411489.1	ENSG00000227112.1	-0.827420664	-1.848445957	0.064537856
POLR2J3	ENST00000420766.1	ENSG00000228679.1	0.883071124	1.994017922	0.046150096
POLR2J3	ENST00000420845.1	ENSG00000232259.1	0.929882136	2.097520009	0.035947568
POLR2J3	ENST00000421737.1	ENSG00000232316.1	0.801736778	1.78832953	0.073722858
POLR2J3	ENST00000426653.1	ENSG00000235704.1	0.802373173	1.782503332	0.074667188
POLR2J3	ENST00000429666.1	ENSG00000233755.1	0.920923	2.060641255	0.039337278
POLR2J3	ENST00000430751.1	ENSG00000232222.1	-0.848812621	-1.897959146	0.057701464
POLR2J3	ENST00000437095.1	ENSG00000237087.1	0.978879879	2.184349751	0.028936558
POLR2J3	ENST00000450227.1	ENSG00000229941.1	0.906538249	1.994702849	0.046075299
POLR2J3	ENST00000469846.2	ENSG00000206573.4	-0.864601384	-1.946210041	0.051629514
POLR2J3	ENST00000487772.1	ENSG00000241754.1	0.830617814	1.864347299	0.062272949
POLR2J3	ENST00000498199.1	ENSG00000206573.4	-0.867204775	-1.919349876	0.05494007
POLR2J3	ENST00000500267.2	ENSG00000246323.2	0.95079978	2.117437325	0.034222749
POLR2J3	ENST00000504755.1	ENSG00000250252.1	0.823977978	1.84764192	0.064654161
POLR2J3	ENST00000508414.1	ENSG00000248173.1	0.835903232	1.878682488	0.06028786
POLR2J3	ENST00000519506.1	ENSG00000253103.1	0.804727951	1.78495658	0.07426836
POLR2J3	ENST00000519750.1	ENSG00000241956.5	0.906592998	2.064687335	0.038952594
POLR2J3	ENST00000535720.1	ENSG00000256364.1	0.866385514	1.921541818	0.054663436
POLR2J3	ENST00000535806.1	ENSG00000255817.1	0.87206933	1.924072109	0.054345546
POLR2J3	ENST00000536492.1	ENSG00000256237.1	-0.867963047	-1.929816736	0.053629549
POLR2J3	ENST00000549303.1	ENSG00000257180.1	-0.8555054	-1.908700196	0.056300778
POLR2J3	ENST00000554451.1	ENSG00000258683.1	0.923449301	2.048477531	0.040513232
POLR2J3	ENST00000558475.1	ENSG00000259604.1	0.826543624	1.833122705	0.066784325
POLR2J3	ENST00000558568.1	ENSG00000272639.1	0.849395329	1.891606246	0.058543463
POLR2J3	ENST00000559673.1	ENSG00000259604.1	0.829895756	1.854899658	0.063610557
POLR2J3	ENST00000562834.1	ENSG00000261116.1	0.800813658	1.781585531	0.074816846
POLR2J3	ENST00000562970.1	ENSG00000260145.1	0.84998319	1.895164246	0.058070645
POLR2J3	ENST00000577807.1	ENSG00000263427.1	0.829401569	1.856056775	0.063445466
POLR2J3	ENST00000583826.1	ENSG00000265148.1	0.880678842	1.966985333	0.049184902
POLR2J3	ENST00000583841.1	ENSG00000265148.1	0.834010352	1.875939155	0.060663635
POLR2J3	ENST00000585703.1	ENSG00000235779.3	0.851819469	1.879428809	0.060185966
POLR2J3	ENST00000588334.1	ENSG00000235779.3	0.867389123	1.953621943	0.050745944
POLR2J3	ENST00000590255.1	ENSG00000235779.3	0.805724209	1.814290327	0.06963304
POLR2J3	ENST00000590357.1	ENSG00000267175.1	-0.801860793	-1.781280792	0.074866591
POLR2J3	ENST00000591178.1	ENSG00000235779.3	0.84047714	1.896558588	0.057886221
POLR2J3	ENST00000598735.1	ENSG00000268093.1	0.857734068	1.901505913	0.057235779
POLR2J3	ENST00000599467.1	ENSG00000244513.2	0.818126773	1.858025097	0.06316545
POLR2J3	ENST00000600365.1	ENSG00000231898.4	0.817653465	1.815094115	0.069509447
POLR2J3	ENST00000601511.1	ENSG00000244513.2	0.82628139	1.835471621	0.06643584
POLR2J3	ENST00000608159.1	ENSG00000273093.1	-0.810780206	-1.832059071	0.06694262
POLR2J3	ENST00000608275.1	ENSG00000273343.1	0.969231798	2.188155424	0.028658283

POLR2J3	ENST00000608856.1	ENSG00000272600.1	-0.889220144	-1.990157641	0.046573573
POLR2J3	ENST00000609349.1	ENSG00000272861.1	0.820726548	1.871804098	0.061233711
POLR2J3	ENST00000609837.1	ENSG00000273106.1	0.800914204	1.813651543	0.06973139
POLR2J3	NR_120318.1	RORA-AS2	0.888227607	1.990481605	0.046537908
POLR2J3	NR_120566.1	LOC101928896	0.865885781	1.939641637	0.052423257
POLR2J3	NR_125839.1	LOC101927020	0.803229992	1.797573631	0.0722446
POLR2J3	NR_126389.1	LINC00428	0.859973248	1.921667173	0.05464765
POLR2J3	NR_126391.1	LINC01054	0.862294375	1.946500185	0.051594686
POLR2J3	NR_135274.1	LOC105370619	0.837267481	1.858055235	0.063161171
POLR2J3	NR_136407.1	LOC105371430	0.868602709	1.938561497	0.052554756
POLR2J3	NR_138419.1	ARHGEF9-IT1	0.866626691	1.933434556	0.053182688
PPP1R18	ENST00000415205.1	ENSG00000182057.4	0.902542733	2.017159888	0.043678831
PPP1R18	ENST00000417260.1	ENSG00000231734.4	-0.928428636	-2.049947268	0.040369577
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PPP1R18	ENST00000421207.1	ENSG00000231768.1	0.806760462	1.788084805	0.073762327
PPP1R18	ENST00000422763.1	ENSG00000231131.2	-0.821341632	-1.837295975	0.066166214
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PPP1R18	ENST00000562191.1	ENSG00000261292.1	-0.850059915	-1.893511068	0.058289938
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PPP1R18	ENST00000571660.1	ENSG00000262848.1	0.888541739	1.985375096	0.047102755
PPP1R18	ENST00000573315.1	ENSG00000270168.1	0.811595185	1.81819998	0.069033573
PPP1R18	ENST00000580622.1	ENSG00000264634.1	0.860148567	1.940162344	0.052359963
PPP1R18	ENST00000582044.1	ENSG00000263715.2	0.941909297	2.118797654	0.034107571
PPP1R18	ENST00000582558.1	ENSG00000264569.1	0.959108534	2.155366396	0.031133174
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PPP1R18	ENST00000585559.1	ENSG00000267117.1	0.849220278	1.919315022	0.054944478
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PPP1R18	ENST00000586694.1	ENSG00000267141.1	0.864839284	1.935349238	0.052947454
PPP1R18	ENST00000588380.1	ENSG00000266990.1	0.933129851	2.108081636	0.035023929
PPP1R18	ENST00000589395.1	ENSG00000267143.1	0.935784232	2.081843626	0.037356755
PPP1R18	ENST00000591174.1	ENSG00000267289.1	0.812096248	1.821175497	0.068580184
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PPP1R18	ENST00000592525.1	ENSG00000267214.1	0.862933029	1.939624079	0.052425392
PPP1R18	ENST00000593139.1	ENSG00000267042.1	0.81549025	1.82988197	0.06726759
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PPP1R18	ENST00000595478.1	ENSG00000237031.3	-0.860703529	-1.920749721	0.054763268
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PPP1R18	ENST00000597169.1	ENSG00000269720.1	0.882982386	1.986155537	0.047016056
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PPP1R18	ENST00000597906.1	ENSG00000268566.1	-0.858139352	-1.895895662	0.057973843
PPP1R18	ENST00000600726.1	ENSG00000267858.1	0.858012673	1.92783549	0.053875592
PPP1R18	ENST00000601735.1	ENSG00000244513.2	0.813440674	1.822337595	0.068403777
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PPP1R18	ENST00000604142.1	ENSG00000271308.1	0.957255451	2.137685963	0.03254224
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PPP1R18	ENST00000606277.1	ENSG00000272145.1	0.863429872	1.941073457	0.052249368
PPP1R18	ENST00000606377.1	ENSG00000272286.1	-0.880361393	-1.962910633	0.049656559
PPP1R18	ENST00000606441.1	ENSG00000272277.1	0.902091254	2.048316214	0.040529025
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PPP1R18	ENST00000606743.1	ENSG00000272221.1	0.974630308	2.167714947	0.030180381
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PPP1R18	ENST00000607148.1	ENSG00000272477.1	-0.81293866	-1.81769973	0.069110039
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PPP1R18	ENST00000607943.1	ENSG00000273188.1	0.930978729	2.047288827	0.040629734

PPP1R18	ENST00000608367.1	ENSG00000273361.1	0.844349297	1.883688286	0.059607152
PPP1R18	ENST00000608489.1	ENSG00000272716.1	0.846351207	1.891089559	0.05861239
PPP1R18	NR_003605.1	ZFAS1	0.845342309	1.89847141	0.057634011
PPP1R18	NR_026774.1	LINC00239	0.844680721	1.891234093	0.058593102
PPP1R18	NR_026802.1	FAM74A4	0.867800189	1.940576488	0.052309668
PPP1R18	NR_026951.1	LINC00324	0.83859189	1.833113695	0.066785665
PPP1R18	NR_027271.1	CIRBP-AS1	0.818403511	1.860390711	0.062830268
PPP1R18	NR_028324.1	LINC01002	0.85898476	1.914400407	0.055569014
PPP1R18	NR_036480.1	VPS9D1-AS1	0.802268746	1.806559057	0.070831058
PPP1R18	NR_037169.1	LOC100507547	0.994676979	2.220013432	0.026417856
PPP1R18	NR_037170.1	LOC100507547	0.984159539	2.22327229	0.026197445
PPP1R18	NR_038421.1	LINC01220	0.845730197	1.888452187	0.058965271
PPP1R18	NR_038923.1	SSSCA1-AS1	0.854866127	1.914520558	0.055553675
PPP1R18	NR_045114.1	PVRL3-AS1	-0.934505153	-2.073042345	0.038168339
PPP1R18	NR_072981.1	LINC00957	0.978298947	2.198713631	0.027898291
PPP1R18	NR_072982.1	LINC00957	0.978789746	2.174190399	0.029690839
PPP1R18	NR_105010.1	LINC01333	0.864849427	1.94019711	0.05235574
PPP1R18	NR_109885.1	RALY-AS1	0.957643236	2.103901694	0.035387023
PPP1R18	NR_109886.1	RALY-AS1	0.930460586	2.083119793	0.037240306
PPP1R18	NR_110245.1	LOC101929282	-0.902304969	-2.019191988	0.043467269
PPP1R18	NR_110630.1	LOC101927478	0.918253321	2.071827008	0.038281577
PPP1R18	NR_110941.1	MIR762HG	0.919462419	2.029676127	0.042389471
PPP1R18	NR_110998.1	FAM74A4	0.867800189	1.945810886	0.05167746
PPP1R18	NR_125957.1	LOC101928626	-0.913316251	-2.043214548	0.041031204
PPP1R18	NR_126522.1	EXOC3-AS1	0.874974888	1.946437774	0.051602176
PPP1R18	NR_134252.1	LOC105379030	0.842589427	1.85938209	0.062972999
PPP1R18	NR_134520.1	LOC727993	0.824295188	1.863482095	0.062394469
PPP1R18	NR_135024.1	LOC105369747	0.845920682	1.910955547	0.056010294
PPP1R18	NR_135097.1	LOC105369443	-0.824171192	-1.851049155	0.064162482
PPP1R18	NR_135584.1	LOC101927596	0.834895706	1.839199159	0.065885898
PPP1R18	NR_144459.1	ARSD-AS1	0.846436358	1.882763357	0.059732445
PPP1R27	ENST00000318291.4	ENSG00000177406.4	0.84614551	1.866379689	0.061988263
PPP1R27	ENST00000412085.1	ENSG00000233825.1	0.911880893	2.007015192	0.044748045
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PPP1R27	ENST00000412772.1	ENSG00000231507.1	0.844137113	1.888919269	0.058902647
PPP1R27	ENST00000414740.2	ENSG00000229646.2	0.860805153	1.883275508	0.059663041
PPP1R27	ENST00000415205.1	ENSG00000182057.4	0.809097449	1.799787261	0.071894236
PPP1R27	ENST00000419662.1	ENSG00000228265.1	0.803379721	1.795295445	0.07260664
PPP1R27	ENST00000426237.2	ENSG00000235527.2	0.862611252	1.911022848	0.056001645
PPP1R27	ENST00000426302.1	ENSG00000230454.1	0.814967783	1.830801235	0.067130216
PPP1R27	ENST00000426519.1	ENSG00000234142.1	0.863146027	1.938281807	0.052588851
PPP1R27	ENST00000428765.1	ENSG00000230107.1	0.857001322	1.962434252	0.049711948
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PPP1R27	ENST00000433876.2	ENSG00000228423.2	0.853068266	1.903139816	0.057022304
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PPP1R27	ENST00000435892.1	ENSG00000233635.2	0.838680066	1.877126392	0.060500773
PPP1R27	ENST00000438190.1	ENSG00000227214.2	0.933423549	2.092227472	0.036418172
PPP1R27	ENST00000442829.1	ENSG00000225284.1	0.805853551	1.782646581	0.074643852
PPP1R27	ENST00000447206.1	ENSG00000230839.1	0.803217788	1.793551144	0.07288484

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PPP1R27	ENST00000453051.1	ENSG00000229407.1	0.954632026	2.135837738	0.032692642
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PPP1R27	ENST00000490013.1	ENSG00000184115.12	0.898333062	2.016811912	0.043715145
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PPP1R27	ENST00000503723.1	ENSG00000250472.1	-0.907959742	-2.037991367	0.041550796
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PPP1R27	ENST00000520603.1	ENSG00000254001.1	-0.828817152	-1.873574196	0.060989137
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PPP1R27	ENST00000527086.1	ENSG00000255182.1	0.867696036	1.914548835	0.055550066
PPP1R27	ENST00000527757.1	ENSG00000255109.1	-0.801950767	-1.79281918	0.073001842
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PPP1R27	ENST00000543072.1	ENSG00000256092.2	-0.938001902	-2.121335675	0.033893564
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PPP1R27	ENST00000545177.3	ENSG00000230438.5	0.848731107	1.905030193	0.056776146
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PPP1R27	ENST00000551135.1	ENSG00000258294.1	-0.843521123	-1.887434555	0.059101901
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PPP1R27	ENST00000588182.2	ENSG00000267453.2	0.857173366	1.913033965	0.055743704
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PPP1R27	ENST00000606277.1	ENSG00000272145.1	0.838390114	1.882214759	0.059806863
PPP1R27	ENST00000607052.1	ENSG00000271870.1	-0.85771133	-1.918287909	0.055074515
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PPP1R27	ENST00000608677.1	ENSG00000273350.1	0.896150384	2.016285524	0.043770128
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PPP1R27	NR_003605.1	ZFAS1	0.847586962	1.92681668	0.05400248
PPP1R27	NR_003606.2	ZFAS1	0.904279606	2.008496475	0.04459056
PPP1R27	NR_026802.1	FAM74A4	0.901943437	2.002292978	0.045253231
PPP1R27	NR_026951.1	LINC00324	0.806117796	1.808606436	0.070512168
PPP1R27	NR_027052.1	THAP7-AS1	0.966357961	2.147845043	0.031726067
PPP1R27	NR_027271.1	CIRBP-AS1	0.939045036	2.103988694	0.035379433
PPP1R27	NR_027334.2	MZF1-AS1	0.83231639	1.842315762	0.065428976
PPP1R27	NR_036480.1	VPS9D1-AS1	0.830381425	1.860626532	0.062796935
PPP1R27	NR_036658.1	ZFAS1	0.902263918	2.047645345	0.040594763
PPP1R27	NR_038421.1	LINC01220	0.965078104	2.165340075	0.030361652
PPP1R27	NR_038923.1	SSSCA1-AS1	0.947762183	2.128018356	0.033335562
PPP1R27	NR_040096.1	LOC643339	0.879724418	2.004921127	0.04497148
PPP1R27	NR_045114.1	PVRL3-AS1	-0.866608366	-1.938904222	0.052513002
PPP1R27	NR_046871.1	LINC00333	-0.81861484	-1.812311135	0.069938135

PPP1R27	NR_105010.1	LINC01333	0.87638477	1.951353448	0.051015015
PPP1R27	NR_108106.1	LINC01135	0.851941363	1.897343399	0.057782631
PPP1R27	NR_109831.1	RASSF1-AS1	0.825884132	1.802192944	0.071515054
PPP1R27	NR_109886.1	RALY-AS1	0.812370081	1.840314521	0.065722075
PPP1R27	NR_110245.1	LOC101929282	-0.834307082	-1.83278016	0.066835271
PPP1R27	NR_110556.1	LOC102724890	-0.856196441	-1.906886091	0.05653534
PPP1R27	NR_110630.1	LOC101927478	0.831164155	1.883705832	0.059604777
PPP1R27	NR_110941.1	MIR762HG	0.86604146	1.94448192	0.051837364
PPP1R27	NR_110998.1	FAM74A4	0.901943437	2.006274575	0.044826961
PPP1R27	NR_111951.1	LINC00869	0.944100003	2.119823663	0.034020919
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PPP1R27	NR_117097.1	LINC01353	0.844137113	1.865619551	0.062094612
PPP1R27	NR_117098.1	LINC01353	0.840287094	1.869714477	0.061523478
PPP1R27	NR_126522.1	EXOC3-AS1	0.882840238	1.977708666	0.047961582
PPP1R27	NR_130143.1	LOC104968399	0.955216786	2.144963144	0.031955794
PPP1R27	NR_135024.1	LOC105369747	0.868020938	1.936918024	0.052755365
PPP1R27	NR_135041.1	LOC101927038	0.863256076	1.908521432	0.056323856
PPP1R27	NR_135584.1	LOC101927596	0.865305834	1.94607142	0.051646161
PPP1R27	NR_136215.1	VCAN-AS1	-0.814153417	-1.806785477	0.070795734
PPP1R35	ENST00000318291.4	ENSG00000177406.4	0.831020049	1.861697282	0.062645772
PPP1R35	ENST00000417260.1	ENSG00000231734.4	-0.956768382	-2.156158577	0.031071285
PPP1R35	ENST00000418080.1	ENSG00000224091.1	0.854371377	1.890312953	0.058716117
PPP1R35	ENST00000419103.1	ENSG00000227014.1	0.823667887	1.837611441	0.066119682
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PPP1R35	ENST00000423428.1	ENSG00000224048.1	-0.912541102	-2.036160197	0.041734272
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PPP1R35	ENST00000425624.1	ENSG00000223779.4	0.817214577	1.828836895	0.067424046
PPP1R35	ENST00000431730.1	ENSG00000237401.2	0.853538711	1.902961043	0.057045629
PPP1R35	ENST00000435287.1	ENSG00000227220.1	0.875573989	1.963400806	0.04959962
PPP1R35	ENST00000438190.1	ENSG00000227214.2	0.832534326	1.853147484	0.063861222
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PPP1R35	ENST00000446816.1	ENSG00000204685.5	0.810065427	1.807542852	0.07067768
PPP1R35	ENST00000451507.1	ENSG00000229539.1	0.857644725	1.886855016	0.059179829
PPP1R35	ENST00000452176.1	ENSG00000223659.1	-0.92428337	-2.073056482	0.038167023
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PPP1R35	ENST00000489690.1	ENSG00000243944.1	-0.850974432	-1.900935489	0.057310463
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PPP1R35	ENST00000500496.2	ENSG00000245479.2	0.902155318	2.002829811	0.045195559
PPP1R35	ENST00000503723.1	ENSG00000250472.1	-0.804636917	-1.816839534	0.069241687
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PPP1R35	NR_037170.1	LOC100507547	0.961867346	2.140796479	0.032290454
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PPP1R35	NR_105010.1	LINC01333	0.810085641	1.800551369	0.07177362
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PRKACA	NR_144459.1	ARSD-AS1	0.896824313	2.005933019	0.044863395
PSMA3	ENST00000414098.2	ENSG00000234428.2	0.950746026	2.142319148	0.032167809
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PSMA3	ENST00000415106.1	ENSG00000226733.1	0.879875247	1.935723819	0.052901536
PSMA3	ENST00000415205.1	ENSG00000182057.4	-0.805344081	-1.816942488	0.06922592
PSMA3	ENST00000417260.1	ENSG00000231734.4	0.836070466	1.855510973	0.063523294
PSMA3	ENST00000419207.2	ENSG00000231248.2	-0.818836326	-1.82907825	0.067387887
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PSMA3	ENST00000421006.1	ENSG00000234548.1	0.886133222	1.996815966	0.045845178
PSMA3	ENST00000423428.1	ENSG00000224048.1	0.918815055	2.100845925	0.035654494
PSMA3	ENST00000423796.1	ENSG00000235146.2	0.826663704	1.837750604	0.066099163
PSMA3	ENST00000424274.1	ENSG00000232120.1	0.859419469	1.913271598	0.055713292
PSMA3	ENST00000424678.1	ENSG00000229600.1	0.850507529	1.888915281	0.058903181
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PSMA3	ENST00000435287.1	ENSG00000227220.1	-0.859825365	-1.900629522	0.057350556
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PSMA3	ENST00000504578.1	ENSG00000251513.1	0.83019459	1.852798977	0.063911177
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RPL3L	NR_109886.1	RALY-AS1	0.826825519	1.836327266	0.06630927
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RPL3L	NR_120371.1	LINC01585	0.823502715	1.814884525	0.069541657
RPL3L	NR_121188.1	PGM5P3-AS1	-0.906443371	-2.007023828	0.044747126
RPL3L	NR_121189.1	PGM5P3-AS1	-0.865576151	-1.933038278	0.053231483
RPL3L	NR_125957.1	LOC101928626	-0.945183435	-2.116569062	0.034296438
RPL3L	NR_126522.1	EXOC3-AS1	0.911774247	2.040914797	0.041259297
RPL3L	NR_134579.1	LOC105372179	0.865436176	1.896324618	0.057917133
RPL3L	NR_135024.1	LOC105369747	0.90711791	2.021407526	0.043237596
RPL3L	NR_138038.1	LINC00677	0.959375	2.139189453	0.032420328
RPL3L	NR_144459.1	ARSD-AS1	0.928755817	2.06995835	0.038456245
RPS17	ENST00000412085.1	ENSG00000233825.1	0.909684072	2.026574831	0.042705913
RPS17	ENST00000412759.1	ENSG00000236933.1	0.932404647	2.105521379	0.035245948
RPS17	ENST00000412772.1	ENSG00000231507.1	0.815731087	1.806718661	0.070806157
RPS17	ENST00000414740.2	ENSG00000229646.2	0.830518783	1.8829746	0.05970381
RPS17	ENST00000415205.1	ENSG00000182057.4	0.869473275	1.971484083	0.048668532
RPS17	ENST00000419662.1	ENSG00000228265.1	0.852892017	1.898739164	0.05759878
RPS17	ENST00000426237.2	ENSG00000235527.2	0.815279751	1.833086578	0.066789697
RPS17	ENST00000426475.1	ENSG00000239467.1	0.877411494	1.966911156	0.049193454
RPS17	ENST00000426519.1	ENSG00000234142.1	0.831125439	1.825787873	0.067882221
RPS17	ENST00000428765.1	ENSG00000230107.1	0.893302118	2.009957826	0.044435653
RPS17	ENST00000429080.1	ENSG00000233047.1	-0.866335737	-1.928648333	0.053774534
RPS17	ENST00000430920.1	ENSG00000234203.1	0.941928695	2.074197073	0.038061012
RPS17	ENST00000433905.2	ENSG00000229299.2	0.958368912	2.129765265	0.033190998
RPS17	ENST00000438190.1	ENSG00000227214.2	0.906349955	2.014948567	0.043910038
RPS17	ENST00000439184.1	ENSG00000233985.1	-0.830274427	-1.849478953	0.064388684
RPS17	ENST00000441592.2	ENSG00000224078.8	0.85269549	1.899597288	0.057485988
RPS17	ENST00000442829.1	ENSG00000225284.1	0.807835135	1.794459119	0.072739918
RPS17	ENST00000447343.2	ENSG00000229299.2	0.957031174	2.136162439	0.032666176
RPS17	ENST00000448570.1	ENSG00000224549.1	0.819035328	1.821043279	0.068600278
RPS17	ENST00000453051.1	ENSG00000229407.1	0.945479754	2.104436634	0.035340377
RPS17	ENST00000457253.1	ENSG00000225173.1	0.831595699	1.862252943	0.062567445
RPS17	ENST00000458194.1	ENSG00000226193.1	0.862048714	1.893507244	0.058290446
RPS17	ENST00000463255.1	ENSG00000243305.1	-0.835129937	-1.848358909	0.064550439
RPS17	ENST00000466431.2	ENSG00000254485.1	0.840969345	1.884430756	0.059506733
RPS17	ENST00000468165.1	ENSG00000239480.1	0.955151853	2.167252517	0.030215605
RPS17	ENST00000489077.1	ENSG00000244198.1	0.927919097	2.045057076	0.040849231

RPS17	ENST00000490013.1	ENSG00000184115.12	0.858375021	1.933826474	0.053134467
RPS17	ENST00000498358.1	ENSG00000184115.12	0.800650324	1.799223201	0.071983381
RPS17	ENST00000498693.1	ENSG00000244198.1	0.905997576	2.029759772	0.042380964
RPS17	ENST00000503723.1	ENSG00000250472.1	-0.933683644	-2.093860549	0.036272405
RPS17	ENST00000506394.1	ENSG00000251665.1	0.865595702	1.947772732	0.051442163
RPS17	ENST00000506791.1	ENSG00000251131.1	0.839782442	1.891887459	0.058505977
RPS17	ENST00000509036.1	ENSG00000251131.1	0.901695802	1.995296345	0.046010568
RPS17	ENST00000509192.1	ENSG00000250765.1	0.819221176	1.822475271	0.068382903
RPS17	ENST00000510570.1	ENSG00000250438.1	-0.863201137	-1.920518821	0.054792398
RPS17	ENST00000517846.1	ENSG00000254485.1	0.930752996	2.069234122	0.038524122
RPS17	ENST00000520603.1	ENSG00000254001.1	-0.850201469	-1.899719973	0.057469878
RPS17	ENST00000521653.1	ENSG00000253301.1	0.87101609	1.935862141	0.052884588
RPS17	ENST00000522547.1	ENSG00000253430.1	-0.800211337	-1.774565498	0.075969658
RPS17	ENST00000523806.1	ENSG00000253616.1	0.808274193	1.826272306	0.067809255
RPS17	ENST00000524942.1	ENSG00000255553.1	0.825614687	1.837291815	0.066166828
RPS17	ENST00000527086.1	ENSG00000255182.1	0.840058159	1.867752383	0.061796593
RPS17	ENST00000527757.1	ENSG00000255109.1	-0.830435997	-1.865861174	0.062060791
RPS17	ENST00000528000.1	ENSG00000254804.1	0.81993338	1.832316556	0.066904272
RPS17	ENST00000529247.1	ENSG00000254741.1	0.866158412	1.935635126	0.052912405
RPS17	ENST00000543072.1	ENSG00000256092.2	-0.872670166	-1.946783498	0.051560696
RPS17	ENST00000543275.1	ENSG00000256944.1	0.931936432	2.103604296	0.035412979
RPS17	ENST00000545177.3	ENSG00000230438.5	0.870139494	1.990500847	0.046535791
RPS17	ENST00000549806.1	ENSG00000257252.1	0.914639002	2.052215089	0.040148764
RPS17	ENST00000552525.1	ENSG00000257286.1	0.820137436	1.825783208	0.067882924
RPS17	ENST00000558575.1	ENSG00000259687.1	0.912912012	2.058992753	0.039494933
RPS17	ENST00000563018.1	ENSG00000260193.1	0.801534166	1.790505809	0.073372634
RPS17	ENST00000563611.1	ENSG00000261583.1	0.965284247	2.163607843	0.030494459
RPS17	ENST00000563806.1	ENSG00000238045.5	0.84700455	1.908281983	0.05635478
RPS17	ENST00000564809.1	ENSG00000261471.1	0.886781034	1.999299379	0.045575971
RPS17	ENST00000570843.1	ENSG00000261889.1	0.829232097	1.87696936	0.060522293
RPS17	ENST00000574460.1	ENSG00000263051.1	0.849600287	1.903304146	0.05700087
RPS17	ENST00000577853.1	ENSG00000264207.1	0.810520739	1.800986913	0.071704943
RPS17	ENST00000578800.1	ENSG00000264235.1	0.9717475	2.17436903	0.029677432
RPS17	ENST00000578936.1	ENSG00000265547.1	0.870284566	1.951929392	0.050946588
RPS17	ENST00000579154.1	ENSG00000265908.1	-0.804561617	-1.822155425	0.068431406
RPS17	ENST00000579775.1	ENSG00000264108.1	0.813549115	1.823750913	0.068189738
RPS17	ENST00000580622.1	ENSG00000264634.1	0.86640095	1.946093461	0.051643514
RPS17	ENST00000582044.1	ENSG00000263715.2	0.939277117	2.123587699	0.033704635
RPS17	ENST00000588182.2	ENSG00000267453.2	0.925303699	2.100827938	0.035656073
RPS17	ENST00000588290.1	ENSG00000267751.1	0.817393118	1.818373797	0.06900702
RPS17	ENST00000588380.1	ENSG00000266990.1	0.825746533	1.816887162	0.069234393
RPS17	ENST00000588402.1	ENSG00000267006.1	-0.850690759	-1.896220759	0.057930859
RPS17	ENST00000589673.1	ENSG00000267755.1	0.842232271	1.885597485	0.059349217
RPS17	ENST00000591174.1	ENSG00000267289.1	0.876655921	1.944449847	0.051841228
RPS17	ENST00000592413.1	ENSG00000266933.1	0.853309662	1.905429062	0.05672432
RPS17	ENST00000592498.1	ENSG00000267488.1	0.808365974	1.819838494	0.068783604
RPS17	ENST00000592518.1	ENSG00000267786.1	0.833574183	1.85358906	0.063797974
RPS17	ENST00000592525.1	ENSG00000267214.1	0.890173755	2.015288766	0.043874401
RPS17	ENST00000593139.1	ENSG00000267042.1	0.935329721	2.092055244	0.036433574
RPS17	ENST00000594590.2	ENSG00000268199.2	0.8759142	1.980357445	0.047663378
RPS17	ENST00000594850.1	ENSG00000268093.1	0.86881707	1.929033423	0.053726713

RPS17	ENST00000595955.1	ENSG00000268401.1	0.887461283	2.007029938	0.044746475
RPS17	ENST00000596887.1	ENSG00000237031.3	-0.950862476	-2.082999181	0.037251298
RPS17	ENST00000597169.1	ENSG00000269720.1	0.828918986	1.86065505	0.062792905
RPS17	ENST00000597256.1	ENSG00000267986.1	0.962446156	2.172338293	0.029830156
RPS17	ENST00000598092.1	ENSG00000228065.6	-0.821248173	-1.812142451	0.069964189
RPS17	ENST00000599352.1	ENSG00000240401.4	-0.889517311	-1.994240652	0.046125761
RPS17	ENST00000600242.1	ENSG00000269583.1	0.92285248	2.074992938	0.037987189
RPS17	ENST00000600726.1	ENSG00000267858.1	0.887692913	1.997365134	0.045785533
RPS17	ENST00000601033.1	ENSG00000268401.1	0.916251473	2.042551096	0.041096896
RPS17	ENST00000602532.1	ENSG00000270091.1	0.833080541	1.844829111	0.065062401
RPS17	ENST00000604142.1	ENSG00000271308.1	0.921551093	2.060151379	0.039384071
RPS17	ENST00000604183.1	ENSG00000271185.1	0.90482233	2.034131843	0.041938304
RPS17	ENST00000606277.1	ENSG00000272145.1	0.867639798	1.952200517	0.050914403
RPS17	ENST00000606909.1	ENSG00000271821.1	0.81588351	1.813272633	0.069789782
RPS17	ENST00000607052.1	ENSG00000271870.1	-0.855532621	-1.943004774	0.052015582
RPS17	ENST00000607224.1	ENSG00000272521.1	0.907085689	2.022110087	0.04316498
RPS17	ENST00000607476.1	ENSG00000272540.1	0.95875966	2.153180186	0.03130452
RPS17	ENST00000607943.1	ENSG00000273188.1	0.922423393	2.074499156	0.038032977
RPS17	ENST00000608367.1	ENSG00000273361.1	0.845328234	1.911138665	0.055986763
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RPS17	ENST00000610270.1	ENSG00000272576.1	-0.824998043	-1.857030216	0.063306855
RPS17	NR_003604.2	ZFAS1	0.852031102	1.912921686	0.055758079
RPS17	NR_003606.2	ZFAS1	0.851618497	1.900845368	0.05732227
RPS17	NR_026802.1	FAM74A4	0.915754258	2.030084722	0.042347928
RPS17	NR_026813.1	LINC00597	-0.876678824	-1.940443895	0.052325766
RPS17	NR_026951.1	LINC00324	0.867037909	1.937729315	0.052656255
RPS17	NR_027052.1	THAP7-AS1	0.979079577	2.185574545	0.028846747
RPS17	NR_027271.1	CIRBP-AS1	0.902726362	2.009089385	0.044527655
RPS17	NR_036658.1	ZFAS1	0.850687963	1.888661686	0.058937176
RPS17	NR_038421.1	LINC01220	0.93767491	2.089350649	0.03667617
RPS17	NR_038923.1	SSSCA1-AS1	0.97621466	2.163067574	0.030535983
RPS17	NR_040096.1	LOC643339	0.880260323	1.980082638	0.047694244
RPS17	NR_045114.1	PVRL3-AS1	-0.865371558	-1.923575732	0.054407785
RPS17	NR_046871.1	LINC00333	-0.848475864	-1.910161544	0.056112417
RPS17	NR_047116.1	HIF1A-AS1	-0.881231101	-1.979059348	0.047809325
RPS17	NR_072981.1	LINC00957	0.803868128	1.791244766	0.073254025
RPS17	NR_105010.1	LINC01333	0.851610271	1.895645655	0.058006916
RPS17	NR_108106.1	LINC01135	0.910009212	2.009975398	0.044433793
RPS17	NR_109831.1	RASSF1-AS1	0.893941156	1.989504848	0.046645507
RPS17	NR_109886.1	RALY-AS1	0.849993188	1.894628827	0.058141593
RPS17	NR_110245.1	LOC101929282	-0.84460223	-1.896525497	0.057890592
RPS17	NR_110556.1	LOC102724890	-0.818772273	-1.848650221	0.064508336
RPS17	NR_110630.1	LOC101927478	0.836338162	1.881006314	0.05997106
RPS17	NR_110941.1	MIR762HG	0.923571267	2.060880815	0.039314412
RPS17	NR_110998.1	FAM74A4	0.915754258	2.049183811	0.040444144
RPS17	NR_111951.1	LINC00869	0.947637076	2.091548934	0.036478885
RPS17	NR_111952.1	LINC00869	0.959399963	2.161566215	0.030651628
RPS17	NR_111953.1	LINC00869	0.945102716	2.132716004	0.03294803
RPS17	NR_117097.1	LINC01353	0.815731087	1.826238441	0.067814353

RPS17	NR_125849.1	LOC101928140	-0.824546308	-1.849205609	0.064428129
RPS17	NR_126522.1	EXOC3-AS1	0.9045725	1.999256114	0.04558065
RPS17	NR_130143.1	LOC104968399	0.964503742	2.173401218	0.029750133
RPS17	NR_134520.1	LOC727993	0.804593038	1.791850784	0.073156871
RPS17	NR_135024.1	LOC105369747	0.902709162	2.031797669	0.042174143
RPS17	NR_135041.1	LOC101927038	0.862660379	1.92886225	0.053747965
RPS17	NR_135584.1	LOC101927596	0.826635882	1.85402261	0.063735925
RPS17	NR_136215.1	VCAN-AS1	-0.890800999	-2.024058959	0.042964086
RTP4	ENST00000412348.1	ENSG00000228959.1	-0.806482564	-1.804939465	0.071084155
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RTP4	ENST00000422807.1	ENSG00000227683.1	-0.869662319	-1.966958577	0.049187986
RTP4	ENST00000424342.1	ENSG00000234988.1	0.83977609	1.879799189	0.060135451
RTP4	ENST00000428391.1	ENSG00000224691.1	0.918436238	2.055468114	0.039833812
RTP4	ENST00000432265.1	ENSG00000231170.1	0.872187346	1.938898913	0.052513648
RTP4	ENST00000433550.1	ENSG00000232227.1	-0.835290343	-1.857142715	0.063290852
RTP4	ENST00000438623.1	ENSG00000224521.1	-0.804221408	-1.821592943	0.068516773
RTP4	ENST00000439072.1	ENSG00000224516.1	0.803376848	1.802381186	0.071485453
RTP4	ENST00000442435.2	ENSG00000237781.2	0.818705027	1.838781681	0.065947304
RTP4	ENST00000443066.2	ENSG00000237633.2	-0.842327852	-1.897478011	0.057764878
RTP4	ENST00000449154.1	ENSG00000226969.1	0.936521347	2.08569991	0.037005815
RTP4	ENST00000456499.1	ENSG00000237640.1	0.83775266	1.875434802	0.060732931
RTP4	ENST00000457043.1	ENSG00000231365.1	-0.803530834	-1.784217241	0.074388372
RTP4	ENST00000473329.1	ENSG00000243849.1	0.865883144	1.931053405	0.053476448
RTP4	ENST00000486285.1	ENSG00000241818.1	-0.815938018	-1.844121092	0.065165495
RTP4	ENST00000503987.1	ENSG00000250075.1	-0.81485479	-1.807954086	0.070613647
RTP4	ENST00000504765.1	ENSG00000249638.1	-0.953121609	-2.135196705	0.032744946
RTP4	ENST00000505978.1	ENSG00000249982.1	0.856824971	1.933447342	0.053181114
RTP4	ENST00000508687.1	ENSG00000250538.1	-0.803854229	-1.790830815	0.073320449
RTP4	ENST00000508925.2	ENSG00000249196.2	0.872700682	1.953210773	0.050794625
RTP4	ENST00000512882.2	ENSG00000251575.2	-0.925999671	-2.075085504	0.037978611
RTP4	ENST00000521403.1	ENSG00000253603.1	0.821886125	1.843061137	0.065320085
RTP4	ENST00000522390.1	ENSG00000254262.1	-0.816295784	-1.830129354	0.067230599
RTP4	ENST00000524808.1	ENSG00000254812.1	0.960056136	2.151443525	0.031441209
RTP4	ENST00000537492.1	ENSG00000256637.2	-0.850064269	-1.920103257	0.054844858
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RTP4	ENST00000545357.1	ENSG00000256862.1	0.82522984	1.831796154	0.066981797
RTP4	ENST00000549683.1	ENSG00000257953.1	0.809517137	1.791690496	0.073182558
RTP4	ENST00000553075.1	ENSG00000257258.1	-0.901523675	-2.015462214	0.043856241
RTP4	ENST00000559041.1	ENSG00000259713.1	-0.879930628	-1.959815267	0.050017386
RTP4	ENST00000561039.1	ENSG00000259536.1	0.960909132	2.151441419	0.031441375
RTP4	ENST00000561254.1	ENSG00000259554.1	-0.933606019	-2.099798342	0.035746584
RTP4	ENST00000565441.1	ENSG00000261013.1	-0.911007788	-2.038997475	0.04145028
RTP4	ENST00000565667.1	ENSG00000261253.1	0.910443935	2.040062037	0.041344147
RTP4	ENST00000566390.1	ENSG00000260213.1	-0.899810518	-2.003884162	0.04508247
RTP4	ENST00000567261.1	ENSG00000261320.1	-0.933865056	-2.103783619	0.035397326
RTP4	ENST00000570022.1	ENSG00000261399.1	-0.943516607	-2.1220426	0.033834161
RTP4	ENST00000573260.1	ENSG00000262482.1	-0.830260981	-1.850717808	0.064210161
RTP4	ENST00000576632.1	ENSG00000262172.1	0.820352733	1.831340164	0.067049786
RTP4	ENST00000578443.1	ENSG00000265204.1	0.845371714	1.871188153	0.061319006
RTP4	ENST00000580729.1	ENSG00000266176.1	0.923379697	2.071462293	0.038315615
RTP4	ENST00000597357.1	ENSG00000268309.1	0.840844182	1.892526016	0.058420931



RTP4	ENST00000600007.1	ENSG00000268655.1	0.899892359	2.003646103	0.045107984
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RTP4	NR_027067.1	LINC00114	0.821340575	1.846203793	0.064862621
RTP4	NR_027425.1	FAM66D	0.837094863	1.892355344	0.058443652
RTP4	NR_073552.1	LOC101059948	0.899892359	2.0082899	0.044612495
RTP4	NR_102738.1	LINC00911	0.845709404	1.884595825	0.059484426
RTP4	NR_110702.1	SEMA3B-AS1	0.866668655	1.932233993	0.053330631
RTP4	NR_110731.1	LINC01232	0.880812128	1.98916427	0.046683074
RTP4	NR_121577.1	NALT1	0.850052601	1.901778501	0.057200118
RTP4	NR_125759.1	PKNOX2-AS1	0.825947484	1.832438875	0.066886061
RTP4	NR_126409.1	LINC00376	-0.831411726	-1.866419809	0.061982654
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SIGLEC14	ENST00000446562.1	ENSG00000233896.1	0.829357491	1.867312114	0.061858015
SIGLEC14	ENST00000446816.1	ENSG00000204685.5	0.821784387	1.849230743	0.064424501
SIGLEC14	ENST00000448858.1	ENSG00000237734.1	-0.920002405	-2.043362684	0.041016549
SIGLEC14	ENST00000451034.1	ENSG00000229805.1	-0.859181578	-1.913638044	0.05566642
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SIGLEC14	ENST00000451507.1	ENSG00000229539.1	0.865105616	1.924292417	0.054317941
SIGLEC14	ENST00000452176.1	ENSG00000223659.1	-0.916998873	-2.044825833	0.040872032
SIGLEC14	ENST00000455373.1	ENSG00000226097.1	-0.855453159	-1.878506292	0.060311937
SIGLEC14	ENST00000457371.1	ENSG00000237401.2	0.826662365	1.837312072	0.066163839
SIGLEC14	ENST00000458154.1	ENSG00000235578.1	0.855698406	1.917410631	0.055185785
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SIGLEC14	ENST00000488310.1	ENSG00000240449.1	0.808569723	1.820958489	0.068613167
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SIGLEC14	ENST00000503505.1	ENSG00000248629.1	-0.867086233	-1.907263125	0.056486523
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SIGLEC14	ENST00000509192.1	ENSG00000250765.1	0.908263327	2.045421987	0.040813273
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SIGLEC14	ENST00000515128.1	ENSG00000248215.1	-0.955564086	-2.133151867	0.03291227
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SIGLEC14	ENST00000527086.1	ENSG00000255182.1	0.822522859	1.861081751	0.062732633
SIGLEC14	ENST00000529247.1	ENSG00000254741.1	0.885405535	1.983037389	0.047363253
SIGLEC14	ENST00000534178.1	ENSG00000255120.1	0.894328497	2.006599148	0.044792362
SIGLEC14	ENST00000537032.1	ENSG00000255933.1	0.854641375	1.918663094	0.055026985
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SIGLEC14	ENST00000543275.1	ENSG00000256944.1	0.875720479	1.951172058	0.051036582
SIGLEC14	ENST00000543403.1	ENSG00000256684.1	-0.8889304	-1.975390811	0.048223815
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SIGLEC14	ENST00000548722.2	ENSG00000257194.2	-0.806198945	-1.789486199	0.073536548
SIGLEC14	ENST00000549683.1	ENSG00000257953.1	0.838336362	1.874212675	0.060901118
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SIGLEC14	ENST00000550263.1	ENSG00000257605.1	0.903733817	2.024143896	0.042955348
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SIGLEC14	ENST00000560963.1	ENSG00000259370.1	0.834729618	1.868161009	0.061739632
SIGLEC14	ENST00000562191.1	ENSG00000261292.1	-0.891981948	-2.010773039	0.044349435
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SIGLEC14	ENST00000563018.1	ENSG00000260193.1	0.818352507	1.840263433	0.065729571
SIGLEC14	ENST00000563610.1	ENSG00000260051.1	0.943742391	2.132496804	0.032966027
SIGLEC14	ENST00000563611.1	ENSG00000261583.1	0.935903826	2.094486524	0.036216662
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SIGLEC14	ENST00000565735.1	ENSG00000261213.1	-0.836046032	-1.841869849	0.06549419
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SIGLEC14	ENST00000577853.1	ENSG00000264207.1	0.939351954	2.11448806	0.034473604
SIGLEC14	ENST00000578800.1	ENSG00000264235.1	0.807167082	1.809770504	0.070331384
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SIGLEC14	ENST00000582044.1	ENSG00000263715.2	0.903037233	2.034053725	0.041946179
SIGLEC14	ENST00000585559.1	ENSG00000267117.1	0.861090902	1.924943006	0.054236489

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SIGLEC14	ENST00000588380.1	ENSG00000266990.1	0.909236496	2.021592856	0.043218431
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SIGLEC14	ENST00000592525.1	ENSG00000267214.1	0.848710174	1.892400109	0.058437692
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SIGLEC14	ENST00000593139.1	ENSG00000267042.1	0.80747578	1.79536906	0.072594919
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SIGLEC14	ENST00000598092.1	ENSG00000228065.6	-0.936306389	-2.07826642	0.037684828
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SIGLEC14	ENST00000600716.1	ENSG00000269487.1	0.883101272	1.988106232	0.046799942
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SIGLEC14	ENST00000602949.1	ENSG00000270030.1	0.807259286	1.809965717	0.070301104
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SIGLEC14	ENST00000606743.1	ENSG00000272221.1	0.853826043	1.908112376	0.056376693
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SIGLEC14	ENST00000607148.1	ENSG00000272477.1	-0.84331952	-1.891807169	0.058516678
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SIGLEC14	ENST00000608489.1	ENSG00000272716.1	0.943762979	2.090865169	0.036540152
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SIGLEC14	NR_003604.2	ZFAS1	0.806473481	1.797143186	0.072312891
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SIGLEC14	NR_026802.1	FAM74A4	0.867221036	1.913784377	0.055647713
SIGLEC14	NR_026951.1	LINC00324	0.856454155	1.913970994	0.055623862
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SIGLEC14	NR_027271.1	CIRBP-AS1	0.836984751	1.864959922	0.062187022
SIGLEC14	NR_036480.1	VPS9D1-AS1	0.90779043	2.019463084	0.043439111
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SIGLEC14	NR_038421.1	LINC01220	0.952023849	2.114761057	0.034450318
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SIGLEC14	NR_045114.1	PVRL3-AS1	-0.83894438	-1.867001006	0.061901447
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SIGLEC14	NR_109831.1	RASSF1-AS1	0.830264261	1.885814233	0.059319992
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SULT1A1	NR_024491.1	LOC100128573	-0.867784774	-1.930897156	0.053495772
SULT1A1	NR_046571.1	POTEH-AS1	0.95041741	2.139291751	0.032412047
SULT1A1	NR_073552.1	LOC101059948	0.981024171	2.185023704	0.028887109
SULT1A1	NR_134566.1	LOC105372695	-0.820155054	-1.844446357	0.065118117
SULT1A1	NR_135040.1	LOC101927038	0.824553793	1.827221962	0.067666403

SULT1A1	NR_135041.1	LOC101927038	0.81855565	1.842459867	0.065407912
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SULT1A3	ENST00000426929.1	ENSG00000230184.1	-0.86324714	-1.947119647	0.051520392
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SULT1A3	ENST00000430247.1	ENSG00000232855.2	0.804867971	1.799395262	0.071956179
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SULT1A3	ENST00000446816.1	ENSG00000204685.5	-0.842426242	-1.87170904	0.061246868
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SULT1A3	ENST00000545572.1	ENSG00000255680.1	-0.873179432	-1.961558264	0.049813935
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SULT1A3	NR_047498.1	LINC00853	-0.808839374	-1.803144114	0.071365585
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SULT1A3	NR_110702.1	SEMA3B-AS1	-0.867166587	-1.955075673	0.050574139
SULT1A3	NR_110846.1	LOC101928674	-0.853501402	-1.916823347	0.055260378
SULT1A3	NR_126370.1	GACAT1	-0.839857357	-1.900428736	0.057376879
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SULT1A3	NR_133907.1	HLA-DQB1-AS1	0.939695661	2.095776261	0.036102043
SULT1A3	NR_134576.1	LOC105372672	-0.886889587	-1.977266666	0.048011495
SULT1A3	NR_134910.1	LOC102725254	0.911880781	2.016193321	0.043779765
SULT1A3	NR_135251.1	LOC101928143	-0.940687029	-2.108956711	0.034948318
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TAS2R1	NR_033371.1	CDRT7	-0.912294499	-2.061763899	0.03923022
TAS2R1	NR_044996.1	HCG23	-0.905206554	-2.060458289	0.039354749
TAS2R1	NR_110480.1	LOC101927079	-0.865904374	-1.942796764	0.052040719
TAS2R1	NR_120335.1	LOC101928414	-0.947280822	-2.104184782	0.035362331
TAS2R1	NR_120655.1	KCNMA1-AS1	-0.945250597	-2.089271003	0.036683335
TAS2R1	NR_126166.1	FAM74A7	-0.973046657	-2.140325216	0.032328494
TAS2R1	NR_134265.1	LINC02103	-0.837011092	-1.895780033	0.057989137
TAS2R1	NR_134325.1	LOC102723672	-0.839877041	-1.8560397	0.0634479
TAS2R1	NR_134597.1	LOC105378068	-0.919251571	-2.055781527	0.039803579
TAS2R1	NR_135108.1	LOC105369509	-0.832481571	-1.865508853	0.062110112
TAS2R1	NR_135258.1	LOC105370489	-0.908970737	-2.083016074	0.037249758
TAS2R1	NR_138084.1	HCG24	-0.872155907	-1.979395768	0.047771465
TAS2R14	ENST00000398777.3	ENSG00000240152.2	0.860543407	1.914717022	0.055528602
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TAS2R14	NR_040049.1	SDCBP2-AS1	-0.842333087	-1.863174027	0.062437786
TAS2R14	NR_046845.1	DNM3-IT1	0.863019527	1.9193464	0.05494051
TAS2R14	NR_102703.1	MAGEA8-AS1	0.850355035	1.884991159	0.059431031
TAS2R14	NR_104620.1	LINC01672	0.824171941	1.842158375	0.065451987
TAS2R14	NR_104998.1	LOC102467225	0.80937805	1.783587496	0.074490719
TAS2R14	NR_108046.1	LINC00844	0.867772111	1.962057135	0.049755833
TAS2R14	NR_110370.1	STAM-AS1	-0.879486921	-1.936123051	0.052852632
TAS2R14	NR_110480.1	LOC101927079	0.804219492	1.784526903	0.074338087
TAS2R14	NR_110803.1	LOC101927018	-0.869941701	-1.9301297	0.053590769
TAS2R14	NR_110824.1	LINC01986	0.861984915	1.889305398	0.058850919
TAS2R14	NR_110879.1	LOC101929064	0.835741381	1.849835426	0.064337273
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TAS2R14	NR_131243.1	SMCR2	-0.803479805	-1.78346711	0.074510297
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TAS2R14	NR_135549.1	LOC101929411	0.841622859	1.891257463	0.058589984
TAS2R14	NR_135840.1	LOC105376114	0.815551241	1.837268723	0.066170235
TAS2R14	NR_136320.1	LOC105373656	-0.869617139	-1.971238402	0.048696613
TAS2R40	ENST00000390540.2	ENSG00000254140.1	0.852187906	1.869047705	0.061616178
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TAS2R40	ENST00000422763.1	ENSG00000231131.2	-0.810428574	-1.816333188	0.069319277
TAS2R40	ENST00000426213.1	ENSG00000223660.1	0.850289263	1.906661846	0.056564391
TAS2R40	ENST00000426475.1	ENSG00000239467.1	0.860530546	1.932652234	0.053279053
TAS2R40	ENST00000431727.2	ENSG00000234938.2	0.832050294	1.859764742	0.062918818
TAS2R40	ENST00000432431.1	ENSG00000234940.1	-0.944844424	-2.086863845	0.036900444
TAS2R40	ENST00000432699.1	ENSG00000233334.2	0.843076883	1.907757449	0.056422573
TAS2R40	ENST00000435832.1	ENSG00000229201.1	-0.857672827	-1.920126895	0.054841873
TAS2R40	ENST00000437680.1	ENSG00000237133.1	0.877460986	1.954081408	0.05069159
TAS2R40	ENST00000439455.1	ENSG00000233482.1	0.803354511	1.804511756	0.071151118
TAS2R40	ENST00000441866.1	ENSG00000236743.1	-0.862060124	-1.93503273	0.052986279
TAS2R40	ENST00000448570.1	ENSG00000224549.1	0.874174808	1.964459893	0.049476783
TAS2R40	ENST00000448674.1	ENSG00000235119.1	0.808620774	1.809793483	0.070327819
TAS2R40	ENST00000450365.1	ENSG00000224404.1	-0.822563492	-1.847805267	0.064630519
TAS2R40	ENST00000451575.2	ENSG00000224251.2	-0.894510019	-1.984435735	0.047207286
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TAS2R40	ENST00000504017.1	ENSG00000248388.1	-0.89193311	-2.015222604	0.04388133
TAS2R40	ENST00000506058.1	ENSG00000248261.1	0.924645261	2.050294857	0.040335666
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TAS2R40	ENST00000508936.1	ENSG00000250582.1	-0.897257727	-2.011078364	0.04431718
TAS2R40	ENST00000511631.1	ENSG00000250402.1	0.825619872	1.851414895	0.064109888
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TAS2R40	ENST00000527100.1	ENSG00000255015.1	-0.805449826	-1.797422007	0.07226865
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TAS2R40	ENST00000535315.1	ENSG00000250748.2	-0.917647214	-2.033978367	0.041953777
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TAS2R40	ENST00000557368.1	ENSG00000258444.1	0.846207651	1.890216472	0.058729015
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TAS2R40	ENST00000572417.1	ENSG00000263171.1	-0.814418691	-1.811002012	0.07014054
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TAS2R40	ENST00000588384.1	ENSG00000236172.2	0.814580669	1.823074668	0.068292083
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TAS2R40	ENST00000609270.1	ENSG00000273073.1	-0.847439758	-1.879242685	0.060211364
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TAS2R40	NR_026813.1	LINC00597	-0.81971013	-1.809207323	0.0704188
TAS2R40	NR_040049.1	SDCBP2-AS1	0.813433462	1.795474483	0.072578135
TAS2R40	NR_040061.1	SRP14-AS1	0.8263554	1.839258181	0.065877221
TAS2R40	NR_046224.1	LINC00659	0.9135674	2.038055256	0.041544407
TAS2R40	NR_103776.1	CHRM3-AS2	-0.880313682	-1.965302861	0.049379195
TAS2R40	NR_108046.1	LINC00844	-0.858794887	-1.930354915	0.053562877
TAS2R40	NR_108077.1	SMAD1-AS2	-0.894721145	-2.001018385	0.045390409
TAS2R40	NR_108106.1	LINC01135	0.826975985	1.837216213	0.066177983
TAS2R40	NR_109831.1	RASSF1-AS1	0.824813635	1.841760768	0.065510151
TAS2R40	NR_110803.1	LOC101927018	0.869567842	1.954937502	0.050590447
TAS2R40	NR_110824.1	LINC01986	-0.871781848	-1.971039028	0.048719412
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TAS2R40	NR_135108.1	LOC105369509	-0.846174548	-1.887026149	0.059156809
TAS2R40	NR_136215.1	VCAN-AS1	-0.86148502	-1.935715264	0.052902584
TAS2R40	NR_136320.1	LOC105373656	0.918347368	2.046529759	0.040704278
TAS2R43	ENST00000411804.1	ENSG00000227415.1	0.8672037	1.973122469	0.048481611
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TAS2R43	ENST00000451575.2	ENSG00000224251.2	0.818455341	1.848782519	0.064489223
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TAS2R43	ENST00000565735.1	ENSG00000261213.1	0.820957238	1.834335828	0.066604159
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TAS2R43	NR_033914.1	LINC00254	0.842914312	1.88158843	0.059891918
TAS2R43	NR_046845.1	DNM3-IT1	0.826219268	1.855152612	0.063574436
TAS2R43	NR_046871.1	LINC00333	0.82040329	1.814939783	0.069533164
TAS2R43	NR_103776.1	CHRM3-AS2	0.941198776	2.126063138	0.033498003
TAS2R43	NR_110123.1	GRM7-AS3	0.849831624	1.901351301	0.057256014
TAS2R43	NR_110556.1	LOC102724890	0.804570487	1.790140344	0.073431353
TAS2R43	NR_110824.1	LINC01986	0.881487157	1.963595827	0.049576982
TAS2R43	NR_120502.1	JARID2-AS1	-0.867296693	-1.934789239	0.053016164
TAS2R43	NR_133930.1	LOC105375556	0.983296961	2.191715651	0.028400045
TAS2R43	NR_135041.1	LOC101927038	-0.910848589	-2.032819486	0.042070764
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TCTEX1D4	ENST00000569981.1	ENSG00000238045.5	0.856042181	1.912168802	0.055854546
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TCTEX1D4	ENST00000570493.2	ENSG00000261898.2	0.866866066	1.940083252	0.052369573
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TCTEX1D4	ENST00000577807.1	ENSG00000263427.1	0.875932761	1.932591765	0.053286508
TCTEX1D4	ENST00000580311.1	ENSG00000266803.1	-0.818344458	-1.842789967	0.065359682
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TCTEX1D4	ENST00000585559.1	ENSG00000267117.1	0.828850898	1.86786814	0.061780453
TCTEX1D4	ENST00000596643.1	ENSG00000269439.1	0.841347234	1.890067712	0.058748905
TCTEX1D4	ENST00000599259.1	ENSG00000269352.1	0.822832033	1.841764407	0.065509618
TCTEX1D4	ENST00000599467.1	ENSG00000244513.2	0.880892923	1.972556187	0.048546149
TCTEX1D4	ENST00000600716.1	ENSG00000269487.1	0.813073497	1.826636861	0.067754387
TCTEX1D4	ENST00000602809.1	ENSG00000270105.1	-0.807561463	-1.802313788	0.07149605
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TCTEX1D4	NR_028324.1	LINC01002	0.831617874	1.884841388	0.059451255
TCTEX1D4	NR_036480.1	VPS9D1-AS1	0.820971186	1.856264705	0.063415837
TCTEX1D4	NR_047498.1	LINC00853	0.872580928	1.96708982	0.049172857
TCTEX1D4	NR_110846.1	LOC101928674	0.813648055	1.822097601	0.068440178
TCTEX1D4	NR_120371.1	LINC01585	0.955164458	2.159046767	0.030846539
TCTEX1D4	NR_125957.1	LOC101928626	-0.825423364	-1.828441411	0.067483331
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TCTEX1D4	NR_134576.1	LOC105372672	0.930554954	2.058493052	0.039542828
TCTEX1D4	NR_138038.1	LINC00677	0.869456759	1.945983942	0.051656669
TCTEX1D4	NR_144459.1	ARSD-AS1	0.87026043	1.938753446	0.052531367
TFPT	ENST00000318291.4	ENSG00000177406.4	0.907919357	2.051693154	0.040199492
TFPT	ENST00000411694.1	ENSG00000225331.1	0.890673083	1.968422736	0.049019418
TFPT	ENST00000412085.1	ENSG00000233825.1	0.902428678	2.027076335	0.042654607

TFPT	ENST00000412759.1	ENSG00000236933.1	0.937164976	2.094363604	0.036227602
TFPT	ENST00000412772.1	ENSG00000231507.1	0.821908453	1.826169376	0.067824753
TFPT	ENST00000414740.2	ENSG00000229646.2	0.901117077	2.011745437	0.044246778
TFPT	ENST00000419662.1	ENSG00000228265.1	0.862672882	1.93299417	0.053236916
TFPT	ENST00000420315.1	ENSG00000228072.1	0.821090548	1.829865004	0.067270128
TFPT	ENST00000420981.2	ENSG00000230438.5	0.934292443	2.12167502	0.033865038
TFPT	ENST00000421020.1	ENSG00000231407.1	0.917745752	2.044935417	0.040861226
TFPT	ENST00000424181.1	ENSG00000224977.1	0.851772681	1.881432304	0.059913136
TFPT	ENST00000426519.1	ENSG00000234142.1	0.924369056	2.064601029	0.038960766
TFPT	ENST00000429608.1	ENSG00000237480.1	0.826849778	1.843569795	0.065245861
TFPT	ENST00000430920.1	ENSG00000234203.1	0.882268172	1.956220483	0.050439187
TFPT	ENST00000433036.1	ENSG00000228989.1	0.833866504	1.871893756	0.061221304
TFPT	ENST00000434627.1	ENSG00000230074.1	0.907388847	2.019201009	0.043466332
TFPT	ENST00000435434.1	ENSG00000231233.1	0.814005934	1.820383292	0.068700655
TFPT	ENST00000435733.1	ENSG00000226377.1	0.864528385	1.90506934	0.056771058
TFPT	ENST00000435892.1	ENSG00000233635.2	0.834711138	1.854912553	0.063608715
TFPT	ENST00000438190.1	ENSG00000227214.2	0.893445992	2.007878089	0.044656248
TFPT	ENST00000439184.1	ENSG00000233985.1	-0.80248431	-1.765781059	0.077432587
TFPT	ENST00000442069.1	ENSG00000225655.1	-0.870541764	-1.940854604	0.052275916
TFPT	ENST00000442829.1	ENSG00000225284.1	0.83649797	1.871749349	0.061241289
TFPT	ENST00000442850.1	ENSG00000232600.2	-0.802520763	-1.79771354	0.072222415
TFPT	ENST00000447206.1	ENSG00000230839.1	0.823259596	1.841622052	0.065530453
TFPT	ENST00000452176.1	ENSG00000223659.1	-0.877057708	-1.935421453	0.052938599
TFPT	ENST00000453051.1	ENSG00000229407.1	0.951342765	2.150167234	0.031541989
TFPT	ENST00000454530.1	ENSG00000226649.1	-0.883783198	-1.967445682	0.049131852
TFPT	ENST00000457115.1	ENSG00000227245.1	0.914315101	2.063627712	0.039053028
TFPT	ENST00000457253.1	ENSG00000225173.1	0.943958362	2.086492393	0.036934044
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TFPT	ENST00000458194.1	ENSG00000226193.1	0.963796382	2.164416318	0.030432413
TFPT	ENST00000458364.1	ENSG00000225655.1	-0.862143961	-1.956683416	0.050384701
TFPT	ENST00000459985.1	ENSG00000273066.1	0.909494536	2.045047102	0.040850215
TFPT	ENST00000463255.1	ENSG00000243305.1	-0.854458756	-1.905462722	0.056719949
TFPT	ENST00000466431.2	ENSG00000254485.1	0.952669681	2.144319359	0.032007307
TFPT	ENST00000489077.1	ENSG00000244198.1	0.841845798	1.873359915	0.061018701
TFPT	ENST00000490013.1	ENSG00000184115.12	0.856154009	1.923056387	0.054472969
TFPT	ENST00000493123.1	ENSG00000242428.1	0.809819476	1.82708884	0.067686413
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TFPT	ENST00000498693.1	ENSG00000244198.1	0.911680395	2.059373277	0.039458494
TFPT	ENST00000505196.1	ENSG00000248131.1	0.82941856	1.856704248	0.063353243
TFPT	ENST00000505556.1	ENSG00000249409.1	0.862716078	1.927335379	0.053937847
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TFPT	ENST00000522600.1	ENSG00000246582.2	0.902817996	2.020398203	0.0433421
TFPT	ENST00000526154.1	ENSG00000254511.1	0.941787163	2.111860566	0.034698411
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TFPT	ENST00000529247.1	ENSG00000254741.1	0.847838745	1.885853543	0.059314693
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TFPT	ENST00000537269.1	ENSG00000257084.1	0.852989152	1.905603242	0.056701701
TFPT	ENST00000543072.1	ENSG00000256092.2	-0.907238942	-2.027391775	0.042622362
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TFPT	ENST00000543494.1	ENSG00000256514.1	0.800930037	1.764738765	0.07760768
TFPT	ENST00000545177.3	ENSG00000230438.5	0.975598693	2.138695739	0.032460318
TFPT	ENST00000548722.2	ENSG00000257194.2	-0.901169144	-2.013413692	0.044071126
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TFPT	ENST00000549878.1	ENSG00000257284.1	0.845039986	1.907859537	0.056409373
TFPT	ENST00000552525.1	ENSG00000257286.1	0.895550977	1.987993507	0.046812408
TFPT	ENST00000558515.1	ENSG00000259182.1	0.876600164	1.965084777	0.049404426
TFPT	ENST00000558575.1	ENSG00000259687.1	0.83893747	1.870796512	0.061373291
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TFPT	ENST00000563044.1	ENSG00000260978.1	0.875091602	1.95463904	0.05062569
TFPT	ENST00000563611.1	ENSG00000261583.1	0.830088397	1.858592066	0.063084983
TFPT	ENST00000563806.1	ENSG00000238045.5	0.945212035	2.11547989	0.034389067
TFPT	ENST00000565823.1	ENSG00000260686.1	-0.925096836	-2.057175567	0.039669341
TFPT	ENST00000565829.1	ENSG00000260148.1	0.89948362	2.029306693	0.042427062
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TFPT	ENST00000570493.2	ENSG00000261898.2	0.81630072	1.813477681	0.069758178
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TFPT	ENST00000570929.1	ENSG00000262223.2	0.887165132	1.995860821	0.045949074
TFPT	ENST00000570974.1	ENSG00000263300.1	0.800116247	1.768233593	0.07702186
TFPT	ENST00000574460.1	ENSG00000263051.1	0.823563992	1.827785196	0.067581796
TFPT	ENST00000577064.1	ENSG00000262823.1	0.800929443	1.755099002	0.079242375
TFPT	ENST00000578757.1	ENSG00000175061.13	0.815144604	1.817805327	0.069093892
TFPT	ENST00000578800.1	ENSG00000264235.1	0.941239091	2.120928835	0.033927792
TFPT	ENST00000578936.1	ENSG00000265547.1	0.945184622	2.109898977	0.034867058
TFPT	ENST00000586694.1	ENSG00000267141.1	0.827764004	1.88453515	0.059492625
TFPT	ENST00000588182.2	ENSG00000267453.2	0.806838495	1.781348287	0.074855571
TFPT	ENST00000588290.1	ENSG00000267751.1	0.85458938	1.919584529	0.0549104
TFPT	ENST00000588380.1	ENSG00000266990.1	0.857388865	1.919552175	0.05491449
TFPT	ENST00000588402.1	ENSG00000267006.1	-0.80424844	-1.817137599	0.069196047
TFPT	ENST00000589817.1	ENSG00000231616.4	0.883973881	1.961198296	0.049855896
TFPT	ENST00000590813.1	ENSG00000231616.4	0.82883414	1.834170203	0.066628733
TFPT	ENST00000591174.1	ENSG00000267289.1	0.951040304	2.118875453	0.034100994
TFPT	ENST00000593632.1	ENSG00000180279.5	0.877745742	1.951052669	0.051050781
TFPT	ENST00000593642.1	ENSG00000267858.1	0.928467985	2.091183409	0.036511626
TFPT	ENST00000594492.1	ENSG00000250910.3	0.833968276	1.865959266	0.062047065
TFPT	ENST00000594590.2	ENSG00000268199.2	0.868347613	1.930018903	0.053604496
TFPT	ENST00000595955.1	ENSG00000268401.1	0.9014384	2.003672508	0.045105153
TFPT	ENST00000596887.1	ENSG00000237031.3	-0.878094838	-1.955461018	0.05052868
TFPT	ENST00000597169.1	ENSG00000269720.1	0.851454856	1.899081575	0.057553751
TFPT	ENST00000597256.1	ENSG00000267986.1	0.846086543	1.871662141	0.06125336



TFPT	ENST00000599259.1	ENSG00000269352.1	0.893397759	1.989239102	0.046674818
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TFPT	ENST00000600534.1	ENSG00000267858.1	0.89235455	1.979142874	0.047799922
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TFPT	ENST00000602532.1	ENSG00000270091.1	0.904778334	2.023154425	0.043057229
TFPT	ENST00000604142.1	ENSG00000271308.1	0.876436659	1.901600789	0.057223365
TFPT	ENST00000606277.1	ENSG00000272145.1	0.842249136	1.879704593	0.060148349
TFPT	ENST00000606470.1	ENSG00000271913.1	0.808502383	1.804475955	0.071156725
TFPT	ENST00000607476.1	ENSG00000272540.1	0.887910753	1.976183625	0.048133984
TFPT	ENST00000607943.1	ENSG00000273188.1	0.87715623	1.962606305	0.049691938
TFPT	ENST00000608367.1	ENSG00000273361.1	0.871627225	1.94566971	0.051694427
TFPT	ENST00000608677.1	ENSG00000273350.1	0.867729484	1.945824149	0.051675867
TFPT	ENST00000608940.1	ENSG00000272763.1	0.927427579	2.101956484	0.035557088
TFPT	ENST00000609113.1	ENSG00000272827.1	0.849913914	1.905053332	0.056773139
TFPT	ENST00000610145.1	ENSG00000273175.1	0.826180072	1.836199858	0.066328104
TFPT	NR_003604.2	ZFAS1	0.941886978	2.089923289	0.036624691
TFPT	NR_003605.1	ZFAS1	0.899194637	2.016505281	0.043747167
TFPT	NR_003606.2	ZFAS1	0.926685453	2.088329163	0.036768153
TFPT	NR_026802.1	FAM74A4	0.964852685	2.191110876	0.02844377
TFPT	NR_026951.1	LINC00324	0.917547635	2.058566283	0.039535805
TFPT	NR_027052.1	THAP7-AS1	0.918149026	2.04929749	0.040433034
TFPT	NR_027271.1	CIRBP-AS1	0.940231078	2.120952933	0.033925764
TFPT	NR_027334.2	MZF1-AS1	0.885741404	1.99249013	0.046317307
TFPT	NR_036480.1	VPS9D1-AS1	0.945969701	2.093400232	0.036313442
TFPT	NR_036658.1	ZFAS1	0.927738068	2.084935207	0.037075182
TFPT	NR_038421.1	LINC01220	0.84606291	1.875191726	0.060766352
TFPT	NR_038923.1	SSSCA1-AS1	0.861326575	1.898985107	0.057566434
TFPT	NR_040096.1	LOC643339	0.874022336	1.960799692	0.049902394
TFPT	NR_046839.1	AGBL4-IT1	-0.802218116	-1.803358526	0.071331927
TFPT	NR_103790.1	LINC00581	-0.871391286	-1.96568476	0.049335036
TFPT	NR_104158.1	NRG1-IT1	0.850739891	1.891094687	0.058611706
TFPT	NR_105010.1	LINC01333	0.898674853	2.021035527	0.043276088
TFPT	NR_108036.1	CFAP58-AS1	0.828018888	1.832276395	0.066910252
TFPT	NR_109886.1	RALY-AS1	0.869060722	1.93177915	0.053386771
TFPT	NR_110998.1	FAM74A4	0.964852685	2.145212325	0.031935875
TFPT	NR_111951.1	LINC00869	0.907173838	2.041009266	0.041249906
TFPT	NR_111952.1	LINC00869	0.921939544	2.077914138	0.037717268
TFPT	NR_111953.1	LINC00869	0.900364463	2.012480238	0.044169338
TFPT	NR_117097.1	LINC01353	0.821908453	1.850181695	0.064287366
TFPT	NR_117098.1	LINC01353	0.858548286	1.916930254	0.055246793
TFPT	NR_121188.1	PGM5P3-AS1	-0.889729546	-1.971460156	0.048671266
TFPT	NR_121189.1	PGM5P3-AS1	-0.89582603	-1.993724014	0.046182224
TFPT	NR_121661.1	ZBTB20-AS5	-0.810402804	-1.807888946	0.070623786
TFPT	NR_125957.1	LOC101928626	-0.877057708	-1.975896474	0.048166504
TFPT	NR_126522.1	EXOC3-AS1	0.964631543	2.166199229	0.030295966
TFPT	NR_130143.1	LOC104968399	0.942546634	2.096102364	0.036073111
TFPT	NR_134579.1	LOC105372179	0.909878011	2.042842721	0.04106801
TFPT	NR_135024.1	LOC105369747	0.954071027	2.151017127	0.031474848

TFPT	NR_135032.1	LOC105369635	0.852989152	1.928041273	0.053849993
TFPT	NR_135644.1	LOC105371506	-0.81516821	-1.825991352	0.067851565
TFPT	NR_138038.1	LINC00677	0.868528006	1.946518115	0.051592534
TFPT	NR_144459.1	ARSD-AS1	0.803336633	1.799902265	0.071876072
TMEM27	ENST00000414377.1	ENSG00000230470.1	0.832218412	1.866923567	0.061912262
TMEM27	ENST00000416002.1	ENSG00000230233.1	-0.805406537	-1.825338185	0.067950011
TMEM27	ENST00000418621.1	ENSG00000224731.1	0.842028968	1.862179581	0.062577782
TMEM27	ENST00000420828.1	ENSG00000227718.1	0.830163591	1.851045559	0.064162999
TMEM27	ENST00000423193.1	ENSG00000224239.1	0.864674376	1.929186714	0.053707687
TMEM27	ENST00000426302.1	ENSG00000230454.1	-0.877316294	-1.96409908	0.049518603
TMEM27	ENST00000427524.1	ENSG00000236065.2	-0.931827856	-2.077345002	0.037769728
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TNFAIP8L2	NR_040047.1	SDCBP2-AS1	0.828032273	1.858092573	0.063155869
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TPGS1	ENST00000412772.1	ENSG00000231507.1	0.940866143	2.086206462	0.036959925



TPGS1	ENST00000414740.2	ENSG00000229646.2	0.885067419	1.995351391	0.046004569
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TYROBP	ENST00000594590.2	ENSG00000268199.2	0.958696691	2.144000876	0.032032817
TYROBP	ENST00000595955.1	ENSG00000268401.1	0.923791068	2.040575328	0.041293057
TYROBP	ENST00000597169.1	ENSG00000269720.1	0.868699746	1.936843892	0.052764429
TYROBP	ENST00000597309.1	ENSG00000232098.2	-0.893626702	-2.001690486	0.04531803
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TYROBP	ENST00000600234.1	ENSG00000268078.1	0.910189815	2.048933157	0.040468652
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TYROBP	NR_027334.2	MZF1-AS1	0.974369435	2.181762393	0.029127073
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U2AF2	NR_135097.1	LOC105369443	-0.888636465	-1.996312437	0.045899925
U2AF2	NR_135626.1	LOC100505585	0.905541239	2.043262818	0.041026428
U2AF2	NR_144459.1	ARSD-AS1	0.817435261	1.83035441	0.06719696
UBE2M	ENST00000415448.1	ENSG00000228329.1	0.933541127	2.101449838	0.035601497
UBE2M	ENST00000420828.1	ENSG00000227718.1	-0.808476171	-1.812845954	0.069855584
UBE2M	ENST00000432743.1	ENSG00000189229.10	-0.886789594	-1.996090229	0.045924102
UBE2M	ENST00000433550.1	ENSG00000232227.1	-0.80192825	-1.807935284	0.070616573
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UBE2M	ENST00000462300.1	ENSG00000241912.1	0.89652655	1.985421649	0.047097579
UBE2M	ENST00000508925.2	ENSG00000249196.2	0.831778178	1.86758186	0.061820377



UBE2M	ENST00000518044.1	ENSG00000254275.2	0.811349339	1.815574714	0.069435635
UBE2M	ENST00000525097.1	ENSG00000254530.1	-0.913155913	-2.016578015	0.043739569
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UBE2M	ENST00000557817.1	ENSG00000259176.1	-0.851773304	-1.878553407	0.060305498
UBE2M	ENST00000559026.1	ENSG00000259732.1	-0.868764467	-1.956012015	0.050463739
UBE2M	ENST00000565441.1	ENSG00000261013.1	-0.843297737	-1.903307094	0.057000486
UBE2M	ENST00000566390.1	ENSG00000260213.1	-0.905260456	-2.027425399	0.042618927
UBE2M	ENST00000567261.1	ENSG00000261320.1	-0.811281498	-1.8190875	0.068898082
UBE2M	ENST00000568414.1	ENSG00000260986.1	-0.975130412	-2.162872995	0.030550949
UBE2M	ENST00000572193.1	ENSG00000261872.1	-0.835532846	-1.868656213	0.06167066
UBE2M	ENST00000573953.1	ENSG00000261971.2	-0.803947206	-1.812433885	0.069919181
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UBE2M	ENST00000587693.1	ENSG00000267373.1	0.853593223	1.925448633	0.054173256
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UBE2M	ENST00000606899.1	ENSG00000272426.1	0.901328317	2.020543514	0.043327041
UBE2M	ENST00000609428.1	ENSG00000273096.1	-0.879677399	-1.960656663	0.049919088
UBE2M	NR_024491.1	LOC100128573	-0.816244528	-1.815434086	0.069457227
UBE2M	NR_047115.1	PPP2R2B-IT1	-0.839797935	-1.864814659	0.062207388
UFSP1	ENST00000390540.2	ENSG00000254140.1	0.824321202	1.842601244	0.065387252
UFSP1	ENST00000414992.1	ENSG00000233613.1	0.857269384	1.931515623	0.053419319
UFSP1	ENST00000421006.1	ENSG00000234548.1	-0.861249305	-1.893838662	0.058246428
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UFSP1	ENST00000423925.1	ENSG00000223536.1	0.814048317	1.805639904	0.070974605
UFSP1	ENST00000425881.1	ENSG00000239636.1	0.896151092	2.014000177	0.044009515
UFSP1	ENST00000426213.1	ENSG00000223660.1	0.859541646	1.88862475	0.058942128
UFSP1	ENST00000427132.1	ENSG00000232121.1	0.973436434	2.167692542	0.030182087
UFSP1	ENST00000428440.1	ENSG00000232827.2	0.840975145	1.87621575	0.06062566
UFSP1	ENST00000429878.1	ENSG00000224184.1	0.877399892	1.938986033	0.052503039
UFSP1	ENST00000432431.1	ENSG00000234940.1	-0.821864972	-1.834268927	0.066614084
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UFSP1	ENST00000434250.1	ENSG00000234055.1	0.933066636	2.102290686	0.03552782
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UFSP1	ENST00000437680.1	ENSG00000237133.1	0.835472464	1.872137266	0.061187616
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UFSP1	ENST00000445617.2	ENSG00000225751.2	-0.925602219	-2.046454656	0.040711659
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UFSP1	ENST00000456091.1	ENSG00000226985.1	0.816976103	1.816796941	0.069248211
UFSP1	ENST00000457632.1	ENSG00000234248.1	-0.829256835	-1.844200674	0.0651539
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UFSP1	ENST00000488310.1	ENSG00000240449.1	0.875014543	1.939982192	0.052381854
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UFSP1	ENST00000508081.1	ENSG00000248254.1	0.810753071	1.821612612	0.068513786
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UFSP1	ENST00000524309.1	ENSG00000240915.2	0.840678905	1.858388781	0.063113824
UFSP1	ENST00000525855.1	ENSG00000254746.1	0.829617363	1.861911644	0.062615546
UFSP1	ENST00000528869.1	ENSG00000255443.1	-0.814128341	-1.790049358	0.073445977
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UFSP1	ENST00000585761.1	ENSG00000267198.1	0.887982932	1.979171526	0.047796698
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UFSP1	ENST00000602507.1	ENSG00000270069.1	-0.834147489	-1.859963697	0.062890662
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UFSP1	NR_131243.1	SMCR2	0.82852106	1.851527781	0.064093662
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UGT2B17	ENST00000413311.1	ENSG00000226276.1	-0.872623854	-1.951856124	0.050955289
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UGT2B17	NR_026713.1	FAM182A	0.900518209	1.993405949	0.046217013
UGT2B17	NR_046224.1	LINC00659	0.865688869	1.935249726	0.052959658
UGT2B17	NR_110702.1	SEMA3B-AS1	-0.930002782	-2.091193382	0.036510732
UGT2B17	NR_110846.1	LOC101928674	-0.820181366	-1.850777469	0.064201574
UGT2B17	NR_121577.1	NALT1	-0.807309341	-1.80479812	0.071106279
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UGT2B17	NR_135251.1	LOC101928143	-0.822012128	-1.845514885	0.064962675
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UGT2B28	NR_102703.1	MAGEA8-AS1	0.831881353	1.85120694	0.064139788
UGT2B28	NR_103830.1	LINC00587	0.832115439	1.851169881	0.064145117
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UGT2B28	NR_131963.1	LVCAT5	0.88828918	1.985402232	0.047099738
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USP17L10	ENST00000412085.1	ENSG00000233825.1	0.960952324	2.178381737	0.029377628
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USP17L10	ENST00000466431.2	ENSG00000254485.1	0.895795222	2.004324462	0.045035315
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USP17L10	ENST00000503034.1	ENSG00000248936.1	0.87664137	1.964813861	0.049435785
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USP17L10	ENST00000532249.1	ENSG00000234899.5	0.801004053	1.810432132	0.0702288
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USP17L10	ENST00000545177.3	ENSG00000230438.5	0.808909843	1.803277419	0.071344657
USP17L10	ENST00000549806.1	ENSG00000257252.1	0.803600742	1.80600727	0.070917204
USP17L10	ENST00000552525.1	ENSG00000257286.1	0.884294863	1.966635061	0.049225298
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USP17L10	ENST00000558575.1	ENSG00000259687.1	0.89929476	2.018459712	0.043543406
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USP17L10	ENST00000563806.1	ENSG00000238045.5	0.905782527	2.028410546	0.042518365
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USP17L10	ENST00000583916.1	ENSG00000264196.1	0.841935049	1.883615787	0.059616965
USP17L10	ENST00000586051.1	ENSG00000267576.1	0.800786858	1.797797597	0.072209088
USP17L10	ENST00000586503.1	ENSG00000267205.1	-0.818763279	-1.844020696	0.065180124
USP17L10	ENST00000588182.2	ENSG00000267453.2	0.92019678	2.04048735	0.04130181
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USP17L10	ENST00000591836.1	ENSG00000267776.1	0.817908675	1.811783166	0.070019707
USP17L10	ENST00000592413.1	ENSG00000266933.1	0.948276438	2.119214969	0.034072304
USP17L10	ENST00000592518.1	ENSG00000267786.1	0.879730489	1.970712131	0.048756812

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USP17L10	ENST00000595955.1	ENSG00000268401.1	0.981829872	2.185071892	0.028883576
USP17L10	ENST00000596887.1	ENSG00000237031.3	-0.849780822	-1.918800657	0.055009567
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USP17L10	ENST00000601033.1	ENSG00000268401.1	0.937487622	2.070967981	0.038361788
USP17L10	ENST00000602532.1	ENSG00000270091.1	0.902400058	1.99506467	0.046035827
USP17L10	ENST00000606068.1	ENSG00000272342.1	0.874299136	1.920649558	0.054775903
USP17L10	ENST00000607052.1	ENSG00000271870.1	-0.938775489	-2.145807947	0.031888304
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USP17L10	ENST00000608677.1	ENSG00000273350.1	0.88494783	1.990642095	0.046520249
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USP17L10	ENST00000609113.1	ENSG00000272827.1	0.816482272	1.846636681	0.064799814
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USP17L10	NR_040096.1	LOC643339	0.991084293	2.2529857	0.024260051
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USP17L10	NR_046571.1	POTEH-AS1	0.805033946	1.82698547	0.067701954
USP17L10	NR_103841.1	LINC00539	0.832696862	1.847747795	0.064638836
USP17L10	NR_103851.1	TAT-AS1	0.811849535	1.79494198	0.072662945
USP17L10	NR_104158.1	NRG1-IT1	0.815682137	1.811882822	0.070004304
USP17L10	NR_108106.1	LINC01135	0.84514928	1.887745828	0.059060081
USP17L10	NR_110318.1	MACROD2-AS1	0.809803539	1.848009486	0.064600971
USP17L10	NR_110635.1	LINC00687	0.846304504	1.90193423	0.057179753
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USP17L10	NR_117097.1	LINC01353	0.991746756	2.167387234	0.03020534
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USP17L10	NR_120502.1	JARID2-AS1	0.811754237	1.806457516	0.070846904
USP17L10	NR_130143.1	LOC104968399	0.92382621	2.055232985	0.039856507
USP17L10	NR_133930.1	LOC105375556	-0.808864634	-1.806783829	0.070795991
USP17L10	NR_135041.1	LOC101927038	0.846126086	1.888127559	0.059008828
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USP17L13	ENST00000412085.1	ENSG00000233825.1	0.941525065	2.061737997	0.039232687
USP17L13	ENST00000412759.1	ENSG00000236933.1	0.8534841	1.955461314	0.050528645
USP17L13	ENST00000412772.1	ENSG00000231507.1	0.988057211	2.183889326	0.028970382
USP17L13	ENST00000414740.2	ENSG00000229646.2	0.936834044	2.079204006	0.037598604
USP17L13	ENST00000421617.1	ENSG00000237342.1	0.840083259	1.883791801	0.059593143
USP17L13	ENST00000421866.1	ENSG00000233875.1	-0.866789056	-1.929534065	0.053664595
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USP17L13	ENST00000433036.1	ENSG00000228989.1	0.854094748	1.944930989	0.051783285
USP17L13	ENST00000433876.2	ENSG00000228423.2	0.931543505	2.052412989	0.040129543
USP17L13	ENST00000434627.1	ENSG00000230074.1	0.877489051	2.018632025	0.04352548

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USP17L13	NR_104158.1	NRG1-IT1	0.857638207	1.921924092	0.05461531
USP17L13	NR_110318.1	MACROD2-AS1	0.883689258	1.997401415	0.045781594
USP17L13	NR_110568.1	LOC101927661	0.816759477	1.844523378	0.065106902
USP17L13	NR_110635.1	LINC00687	0.897799417	1.986120916	0.047019899
USP17L13	NR_111951.1	LINC00869	0.814528109	1.823300263	0.068257927
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USP17L2	ENST00000591137.1	ENSG00000267405.1	-0.814783684	-1.835107628	0.066489744
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USP17L2	NR_002765.2	ASAP1-IT1	-0.850438101	-1.883412216	0.059644526
USP17L2	NR_024470.1	SLCO4A1-AS1	0.812631666	1.808897522	0.070466925
USP17L2	NR_027067.1	LINC00114	0.843732292	1.890048162	0.058751519
USP17L2	NR_027425.1	FAM66D	0.836360607	1.846485963	0.064821676
USP17L2	NR_027440.1	LOC100272217	0.81560379	1.840962341	0.065627078
USP17L2	NR_046556.1	RBMS3-AS1	-0.937630093	-2.087764543	0.036819079
USP17L2	NR_046748.1	ARHGAP31-AS1	-0.890972227	-2.000732676	0.045421206
USP17L2	NR_046783.1	KCND3-IT1	0.812651385	1.822963545	0.068308912
USP17L2	NR_047040.1	LINC00424	-0.836557082	-1.895884003	0.057975385
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USP17L2	NR_109975.1	ARNTL2-AS1	0.832703203	1.872315153	0.061163016
USP17L2	NR_110007.1	ADNP-AS1	-0.93358276	-2.097141345	0.035981065
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USP17L2	NR_110284.1	LOC101927907	-0.907757278	-2.038008235	0.041549109
USP17L2	NR_110504.1	LOC101929572	0.82511928	1.844791694	0.065067846
USP17L2	NR_120330.1	LOC101928227	0.801976059	1.78793064	0.073787199
USP17L2	NR_120466.1	LINC01489	-0.871248238	-1.968286399	0.049035094
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USP17L2	NR_126354.1	LINC01331	0.923565974	2.082287569	0.037316211
USP17L2	NR_126370.1	GACAT1	0.883070364	1.98948313	0.046647902
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USP17L2	NR_130916.1	LOC105274304	0.833557926	1.888494869	0.058959546
USP17L2	NR_133907.1	HLA-DQB1-AS1	-0.872242212	-1.934755691	0.053020283
USP17L2	NR_134245.1	LOC105379194	-0.802702317	-1.80988395	0.070313786
USP17L2	NR_134610.1	LOC105375014	0.881001841	2.001393817	0.045349967
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USP17L22	ENST00000588177.1	ENSG00000234899.5	-0.886534737	-2.002019583	0.045282625
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USP17L22	ENST00000592431.1	ENSG00000267475.1	0.848817132	1.888104763	0.059011888
USP17L22	ENST00000592523.1	ENSG00000226994.3	-0.883457872	-1.991014579	0.046479284
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USP17L22	ENST00000598356.1	ENSG00000269640.1	-0.967417107	-2.176876063	0.029489816
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USP17L22	ENST00000600489.1	ENSG00000231898.4	-0.822033352	-1.827307083	0.067653611
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USP17L22	ENST00000601420.1	ENSG00000269560.1	0.875608154	1.995689228	0.04596776
USP17L22	ENST00000602592.1	ENSG00000270049.1	-0.956298346	-2.136503738	0.032638377
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USP17L22	ENST00000602872.1	ENSG00000270067.1	-0.907057088	-2.007370359	0.044710243
USP17L22	ENST00000602900.1	ENSG00000270179.1	0.803613413	1.793965744	0.072818637
USP17L22	ENST00000602954.1	ENSG00000269906.1	-0.951270883	-2.126159337	0.033489995
USP17L22	ENST00000603612.1	ENSG00000270996.1	-0.860851402	-1.913605288	0.055670609
USP17L22	ENST00000605021.1	ENSG00000271401.1	-0.879331007	-1.957404243	0.05029996
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USP17L22	ENST00000606457.1	ENSG00000271830.1	-0.906094723	-2.045200638	0.040835082
USP17L22	ENST00000607594.1	ENSG00000271766.1	-0.955340513	-2.158782569	0.030867039
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USP17L22	ENST00000608085.1	ENSG00000231898.4	-0.811539528	-1.819248733	0.068873491
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USP17L22	ENST00000609725.1	ENSG00000231898.4	-0.856936034	-1.932810987	0.053259486
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USP17L22	NR_046742.2	ZNF630-AS1	0.807895653	1.809929725	0.070306686
USP17L22	NR_047115.1	PPP2R2B-IT1	-0.845256612	-1.917793084	0.055137253
USP17L22	NR_102703.1	MAGEA8-AS1	-0.802391844	-1.782506741	0.074666633
USP17L22	NR_110160.1	LOC100996249	0.805836959	1.814788852	0.069556364
USP17L22	NR_110370.1	STAM-AS1	0.922931232	2.051274277	0.040240244
USP17L22	NR_110480.1	LOC101927079	-0.958763342	-2.149348943	0.031606749
USP17L22	NR_110481.1	LOC101927079	-0.95133642	-2.142621501	0.032143503
USP17L22	NR_120335.1	LOC101928414	-0.862186201	-1.929761156	0.053636439
USP17L22	NR_120466.1	LINC01489	-0.839604207	-1.885641803	0.05934324
USP17L22	NR_120655.1	KCNMA1-AS1	-0.838283092	-1.876255351	0.060620225
USP17L22	NR_130916.1	LOC105274304	0.842932864	1.929408501	0.053680169
USP17L22	NR_131963.1	LVCAT5	-0.861116869	-1.922853741	0.054498421
USP17L22	NR_134597.1	LOC105378068	-0.828217409	-1.867426408	0.061842065
USP17L22	NR_134664.1	LOC105374366	-0.939040647	-2.099631777	0.035761245
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USP17L4	ENST00000426475.1	ENSG00000239467.1	0.83323809	1.869016273	0.06162055
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USP17L4	ENST00000433905.2	ENSG00000229299.2	0.801255426	1.775051525	0.07588938
USP17L4	ENST00000435832.1	ENSG00000229201.1	-0.85758917	-1.931733006	0.053392469
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USP17L4	ENST00000438969.2	ENSG00000228031.2	-0.800139039	-1.758906491	0.078593393
USP17L4	ENST00000441809.2	ENSG00000237445.2	0.877409913	1.944600223	0.051823112
USP17L4	ENST00000442829.1	ENSG00000225284.1	0.839505744	1.894593726	0.058146247
USP17L4	ENST00000446562.1	ENSG00000233896.1	0.840878671	1.888570497	0.058949403
USP17L4	ENST00000448431.1	ENSG00000232548.1	-0.864555885	-1.902397274	0.057119237
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USP17L4	ENST00000503723.1	ENSG00000250472.1	-0.852587593	-1.895397357	0.058039779
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USP17L4	ENST00000511631.1	ENSG00000250402.1	0.883435589	1.995586341	0.045978968
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USP17L4	ENST00000523806.1	ENSG00000253616.1	0.969115948	2.16177615	0.030635435
USP17L4	ENST00000524942.1	ENSG00000255553.1	0.863331695	1.941095107	0.052246742
USP17L4	ENST00000527086.1	ENSG00000255182.1	0.924127944	2.092243395	0.036416748
USP17L4	ENST00000527274.2	ENSG00000255517.2	0.84075278	1.874306112	0.060888246
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USP17L4	ENST00000527727.1	ENSG00000255227.1	-0.838254554	-1.883523664	0.059629436
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USP17L4	ENST00000549616.1	ENSG00000258168.1	-0.823193209	-1.810166523	0.070269967
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USP17L4	ENST00000550279.1	ENSG00000258338.1	-0.898283162	-2.026509547	0.042712595
USP17L4	ENST00000551135.1	ENSG00000258294.1	-0.83451639	-1.871755798	0.061240396
USP17L4	ENST00000552525.1	ENSG00000257286.1	0.846472421	1.888757973	0.058924267
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USP17L4	ENST00000558221.1	ENSG00000259704.1	0.882366947	1.97690889	0.04805193
USP17L4	ENST00000558575.1	ENSG00000259687.1	0.861110945	1.934431878	0.05306005
USP17L4	ENST00000561653.1	ENSG00000260095.1	0.832316366	1.841675921	0.065522568
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USP17L4	ENST00000563611.1	ENSG00000261583.1	0.860324702	1.915429507	0.055437751
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USP17L4	ENST00000571775.1	ENSG00000262456.1	0.802289701	1.788391196	0.073712916
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USP17L4	ENST00000582044.1	ENSG00000263715.2	0.844121374	1.884376733	0.059514035
USP17L4	ENST00000588182.2	ENSG00000267453.2	0.887627012	2.006637069	0.044788321
USP17L4	ENST00000588402.1	ENSG00000267006.1	-0.918761521	-2.043805137	0.040972802
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USP17L4	ENST00000591621.1	ENSG00000232116.2	-0.821908904	-1.826660716	0.067750798
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USP17L4	ENST00000592498.1	ENSG00000267488.1	0.912999566	2.011994348	0.044220533
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USP17L4	ENST00000600242.1	ENSG00000269583.1	0.965204168	2.144318315	0.03200739
USP17L4	ENST00000602507.1	ENSG00000270069.1	-0.833658953	-1.869405407	0.061566433
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USP17L4	ENST00000608677.1	ENSG00000273350.1	0.800408992	1.77955012	0.075149616
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USP17L4	NR_027052.1	THAP7-AS1	0.918741015	2.064780645	0.03894376
USP17L4	NR_038421.1	LINC01220	0.854321312	1.90605886	0.056642569
USP17L4	NR_038923.1	SSSCA1-AS1	0.933252215	2.08775967	0.036819519
USP17L4	NR_040049.1	SDCBP2-AS1	0.856002281	1.901442438	0.057244085
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USP17L4	NR_103776.1	CHRM3-AS2	-0.968457103	-2.136251248	0.03265894
USP17L4	NR_103841.1	LINC00539	0.866555132	1.932806409	0.053260051
USP17L4	NR_108106.1	LINC01135	0.981108627	2.178532127	0.029366443
USP17L4	NR_109831.1	RASSF1-AS1	0.972980014	2.188258737	0.028650761

USP17L4	NR_110556.1	LOC102724890	-0.821843492	-1.851776399	0.064057938
USP17L4	NR_110803.1	LOC101927018	0.910874518	2.053960987	0.039979468
USP17L4	NR_110824.1	LINC01986	-0.912243771	-2.0335839	0.041993566
USP17L4	NR_111951.1	LINC00869	0.930228767	2.078356665	0.037676521
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USP17L4	NR_120502.1	JARID2-AS1	0.851665189	1.889083786	0.058880603
USP17L4	NR_125849.1	LOC101928140	-0.960221944	-2.156597089	0.031037072
USP17L4	NR_131204.1	XACT	0.821900989	1.812469133	0.069913739
USP17L4	NR_133930.1	LOC105375556	-0.943624332	-2.095679334	0.036110646
USP17L4	NR_134520.1	LOC727993	0.846119301	1.88693239	0.05916942
USP17L4	NR_135040.1	LOC101927038	0.865592716	1.943865829	0.051911633
USP17L4	NR_135041.1	LOC101927038	0.97362231	2.176794388	0.029495912
USP17L4	NR_135097.1	LOC105369443	-0.822612746	-1.841720811	0.065515998
USP17L4	NR_136215.1	VCAN-AS1	-0.921649718	-2.033733842	0.041978438
USP17L4	NR_136320.1	LOC105373656	0.830169753	1.849467634	0.064390317
USP17L7	ENST00000362684.1	ENSG00000228549.2	0.895735546	2.004084904	0.045060966
USP17L7	ENST00000416002.1	ENSG00000230233.1	0.841322387	1.854146756	0.063718167
USP17L7	ENST00000417315.1	ENSG00000242486.1	0.855232286	1.916354754	0.055319956
USP17L7	ENST00000418621.1	ENSG00000224731.1	-0.803709312	-1.782930998	0.074597536
USP17L7	ENST00000421597.1	ENSG00000227851.1	-0.855845619	-1.937854477	0.052640979
USP17L7	ENST00000422807.1	ENSG00000227683.1	-0.937624475	-2.121879432	0.033847864
USP17L7	ENST00000423193.1	ENSG00000224239.1	-0.845156221	-1.898744947	0.057598019
USP17L7	ENST00000424342.1	ENSG00000234988.1	0.956656431	2.145146096	0.031941168
USP17L7	ENST00000425058.1	ENSG00000226771.1	-0.878464392	-1.956693374	0.050383529
USP17L7	ENST00000426125.1	ENSG00000223653.1	-0.843060188	-1.862081024	0.06259167
USP17L7	ENST00000430247.1	ENSG00000232855.2	-0.901852075	-2.028150388	0.042544902
USP17L7	ENST00000432265.1	ENSG00000231170.1	0.843435918	1.88714772	0.05914046
USP17L7	ENST00000434292.1	ENSG00000229796.1	-0.838958356	-1.871735204	0.061243247
USP17L7	ENST00000435271.1	ENSG00000231132.1	0.825107773	1.823468398	0.068232479
USP17L7	ENST00000435828.1	ENSG00000235612.1	-0.839104327	-1.887897008	0.059039778
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USP17L7	ENST00000442017.1	ENSG00000229660.1	0.844574912	1.871286108	0.061305435
USP17L7	ENST00000442852.1	ENSG00000237923.1	0.897467316	2.032299201	0.042123375
USP17L7	ENST00000443066.2	ENSG00000237633.2	-0.902706221	-2.027165868	0.042645453
USP17L7	ENST00000443162.1	ENSG00000234183.1	-0.872151648	-1.931081213	0.05347301
USP17L7	ENST00000445178.1	ENSG00000234653.1	-0.813156461	-1.835553687	0.066423692
USP17L7	ENST00000445233.1	ENSG00000233928.1	-0.864413946	-1.932702981	0.053272798
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USP17L7	NR_027440.1	LOC100272217	0.891337943	1.99359368	0.046196477
USP17L7	NR_046748.1	ARHGAP31-AS1	-0.962838427	-2.145445728	0.031917226
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USP17L8	ENST00000518620.1	ENSG00000253892.1	0.971744042	2.168227661	0.030141369
USP17L8	ENST00000518894.1	ENSG00000204758.3	-0.881824324	-1.966259919	0.049268594
USP17L8	ENST00000519038.2	ENSG00000254054.2	0.908894239	2.017866064	0.043605212
USP17L8	ENST00000519375.1	ENSG00000253980.1	-0.932451539	-2.107400084	0.035082914
USP17L8	ENST00000519660.1	ENSG00000253416.1	-0.922787153	-2.083463125	0.037209029
USP17L8	ENST00000519844.1	ENSG00000253824.1	0.956440925	2.142900547	0.032121085
USP17L8	ENST00000521378.1	ENSG00000254222.1	0.822461888	1.833256023	0.066764506
USP17L8	ENST00000521490.1	ENSG00000253407.1	0.905968664	2.033311685	0.042021043
USP17L8	ENST00000522190.1	ENSG00000254165.1	-0.833302204	-1.86961405	0.061537433
USP17L8	ENST00000522408.1	ENSG00000253484.1	-0.815384129	-1.814056101	0.069669089
USP17L8	ENST00000524133.1	ENSG00000253174.2	0.911684612	2.027198781	0.042642088
USP17L8	ENST00000524309.1	ENSG00000240915.2	0.829199002	1.860700871	0.062786431
USP17L8	ENST00000525855.1	ENSG00000254746.1	0.851378757	1.909608315	0.056183664
USP17L8	ENST00000528818.1	ENSG00000232995.3	-0.807445005	-1.814410153	0.069614604
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USP17L8	ENST00000531071.1	ENSG00000255248.2	0.94769004	2.090103204	0.03660853
USP17L8	ENST00000533938.1	ENSG00000255142.1	0.97954709	2.203602503	0.027552311
USP17L8	ENST00000535324.1	ENSG00000255968.1	-0.86442827	-1.919589422	0.054909781
USP17L8	ENST00000538294.1	ENSG00000250748.2	0.997092391	2.224669843	0.02610341
USP17L8	ENST00000544089.1	ENSG00000256273.1	-0.801765887	-1.793433185	0.072903685
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USP17L8	ENST00000548748.1	ENSG00000258252.1	0.951496996	2.124803287	0.03360303
USP17L8	ENST00000549756.1	ENSG00000257769.1	0.88209409	1.988990693	0.04670223
USP17L8	ENST00000550805.1	ENSG00000244306.5	0.84910775	1.882457439	0.059773933
USP17L8	ENST00000553464.1	ENSG00000258418.1	-0.802557385	-1.780565786	0.074983413
USP17L8	ENST00000553668.1	ENSG00000258733.1	-0.972115147	-2.184281023	0.028941604
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USP17L8	ENST00000565623.1	ENSG00000261118.1	0.913090798	2.012596699	0.044157075
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USP17L8	ENST00000586010.1	ENSG00000267606.1	-0.823154473	-1.834768476	0.066540001
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USP17L8	ENST00000587049.1	ENSG00000235535.3	0.947359429	2.119712483	0.0340303
USP17L8	ENST00000588177.1	ENSG00000234899.5	-0.878972591	-1.980595814	0.047636619
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USP17L8	ENST00000591103.1	ENSG00000272895.1	-0.801726149	-1.790294362	0.073406602
USP17L8	ENST00000591137.1	ENSG00000267405.1	-0.877255912	-1.977611346	0.047972568
USP17L8	ENST00000592431.1	ENSG00000267475.1	0.864163143	1.923002679	0.054479713
USP17L8	ENST00000592523.1	ENSG00000226994.3	-0.873859978	-1.963028129	0.049642906
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USP17L8	ENST00000598131.1	ENSG00000269043.1	-0.819598713	-1.818000855	0.069064002
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USP17L8	ENST00000606898.1	ENSG00000272094.1	0.844716165	1.876639463	0.060567525
USP17L8	ENST00000606921.1	ENSG00000272402.1	0.924506911	2.074351632	0.038046666
USP17L8	ENST00000606938.1	ENSG00000272198.1	0.83567165	1.87710882	0.060503181
USP17L8	ENST00000607594.1	ENSG00000271766.1	-0.853907453	-1.906670929	0.056563214
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USP17L8	NR_002765.2	ASAP1-IT1	-0.805961136	-1.795615678	0.072555661
USP17L8	NR_022011.1	PWARSN	-0.853206177	-1.909796089	0.056159473
USP17L8	NR_026932.1	PDCD4-AS1	0.858757186	1.937139692	0.05272827
USP17L8	NR_034111.1	TRAF3IP2-AS1	-0.826964982	-1.863559287	0.06238362
USP17L8	NR_046556.1	RBMS3-AS1	-0.846458092	-1.901578871	0.057226232
USP17L8	NR_102746.1	ROPN1L-AS1	0.819984625	1.840637846	0.065674648
USP17L8	NR_109870.1	LINC01723	-0.843272433	-1.878959821	0.06024998
USP17L8	NR_110284.1	LOC101927907	-0.907222105	-2.057813393	0.03960805
USP17L8	NR_110370.1	STAM-AS1	0.963449374	2.15590752	0.031090887
USP17L8	NR_110504.1	LOC101929572	0.943983427	2.108915319	0.034951892
USP17L8	NR_120466.1	LINC01489	-0.808042866	-1.795152954	0.072629334

USP17L8	NR_125407.1	LOC102724604	-0.872084945	-1.942842533	0.052035187
USP17L8	NR_125925.1	LOC101929448	-0.926696409	-2.075291276	0.037959548
USP17L8	NR_126041.1	LOC101930071	0.952223521	2.12811395	0.033327637
USP17L8	NR_126412.1	SCEL-AS1	0.804154016	1.784956691	0.074268342
USP17L8	NR_130916.1	LOC105274304	0.895761629	1.984440545	0.04720675
USP17L8	NR_131243.1	SMCR2	0.865042461	1.95215548	0.050919748
USP17L8	NR_133658.1	HTR3E-AS1	0.824318049	1.836123732	0.066339359
USP17L8	NR_133942.1	LOC105377247	-0.851694609	-1.925265656	0.054196132
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VEGFB	ENST00000318291.4	ENSG00000177406.4	0.919530365	2.058268606	0.039564356
VEGFB	ENST00000381106.4	ENSG00000205663.5	-0.801486031	-1.800418124	0.071794641
VEGFB	ENST00000412759.1	ENSG00000236933.1	0.882397255	1.996538019	0.045875392
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VEGFB	ENST00000421207.1	ENSG00000231768.1	0.907985638	2.044114583	0.040942229
VEGFB	ENST00000423667.1	ENSG00000225970.1	0.820699833	1.814520477	0.069597633
VEGFB	ENST00000424735.1	ENSG00000237457.2	-0.831983816	-1.862401217	0.062546558
VEGFB	ENST00000425624.1	ENSG00000223779.4	0.849032855	1.892294547	0.058451747
VEGFB	ENST00000426237.2	ENSG00000235527.2	0.946672431	2.113272774	0.034577428
VEGFB	ENST00000426519.1	ENSG00000234142.1	0.876964083	1.96995818	0.048843164
VEGFB	ENST00000426699.1	ENSG00000229308.1	0.882625506	1.981288271	0.047558955
VEGFB	ENST00000433344.1	ENSG00000234083.1	-0.848493587	-1.905359883	0.056733306
VEGFB	ENST00000433614.1	ENSG00000228534.1	-0.825951963	-1.840235857	0.065733618
VEGFB	ENST00000435434.1	ENSG00000231233.1	0.958186658	2.167495424	0.030197098
VEGFB	ENST00000435892.1	ENSG00000233635.2	0.891071348	2.001922449	0.045293073
VEGFB	ENST00000435992.2	ENSG00000232675.3	0.824704708	1.853862325	0.063758859
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VEGFB	ENST00000438107.1	ENSG00000234449.2	0.881630701	1.972565301	0.04854511
VEGFB	ENST00000438190.1	ENSG00000227214.2	0.934618202	2.07963549	0.037558979
VEGFB	ENST00000439186.1	ENSG00000237076.1	0.831622016	1.850440539	0.064250081
VEGFB	ENST00000440714.1	ENSG00000237609.1	0.814320174	1.811989145	0.069987874
VEGFB	ENST00000441875.1	ENSG00000239203.1	0.893127517	1.97747044	0.047988479
VEGFB	ENST00000442069.1	ENSG00000225655.1	-0.804756358	-1.816602351	0.069278023
VEGFB	ENST00000447206.1	ENSG00000230839.1	0.881452527	1.967252931	0.049154059
VEGFB	ENST00000456715.1	ENSG00000224893.1	0.868683019	1.927877687	0.053870342
VEGFB	ENST00000458154.1	ENSG00000235578.1	0.884906065	1.979481173	0.047761857
VEGFB	ENST00000458194.1	ENSG00000226193.1	0.847388226	1.901211049	0.057274374
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VEGFB	ENST00000484413.1	ENSG00000271853.1	0.841457207	1.884517961	0.059494948
VEGFB	ENST00000489077.1	ENSG00000244198.1	0.84758494	1.907608388	0.05644185
VEGFB	ENST00000489557.2	ENSG00000257045.1	0.92958449	2.089218124	0.036688093
VEGFB	ENST00000498693.1	ENSG00000244198.1	0.938854516	2.109006413	0.034944028
VEGFB	ENST00000505498.1	ENSG00000250908.1	0.853578951	1.914367406	0.055573227
VEGFB	ENST00000505556.1	ENSG00000249409.1	0.909183002	2.029617589	0.042395426
VEGFB	ENST00000506100.1	ENSG00000249409.1	0.913783395	2.028845367	0.042474043
VEGFB	ENST00000506791.1	ENSG00000251131.1	0.874223656	1.939050402	0.052495201
VEGFB	ENST00000508083.1	ENSG00000249343.1	0.964295367	2.168697938	0.030105624
VEGFB	ENST00000509036.1	ENSG00000251131.1	0.843377426	1.904779422	0.05680875
VEGFB	ENST00000509192.1	ENSG00000250765.1	0.906169356	2.014770098	0.043928744
VEGFB	ENST00000510941.1	ENSG00000251339.1	-0.804923654	-1.787837736	0.073802191



VEGFB	ENST00000515128.1	ENSG00000248215.1	-0.831813676	-1.849220052	0.064426044
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VEGFB	ENST00000524818.1	ENSG00000254473.1	0.828739524	1.848452818	0.064536864
VEGFB	ENST00000526186.1	ENSG00000254510.1	0.825519475	1.832724832	0.066843502
VEGFB	ENST00000526611.1	ENSG00000246982.2	0.864750254	1.945978581	0.051657312
VEGFB	ENST00000528887.1	ENSG00000254501.1	0.920041545	2.04066955	0.041283684
VEGFB	ENST00000543072.1	ENSG00000256092.2	-0.893941318	-1.993556812	0.046200509
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VEGFB	ENST00000547834.1	ENSG00000258325.1	0.805780799	1.784976957	0.074265055
VEGFB	ENST00000549878.1	ENSG00000257284.1	0.813165613	1.819432452	0.06884548
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VEGFB	ENST00000564038.1	ENSG00000261760.2	0.848760283	1.894894183	0.058106422
VEGFB	ENST00000565823.1	ENSG00000260686.1	-0.86307357	-1.92726425	0.053946707
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VEGFB	ENST00000566170.1	ENSG00000261071.1	0.820869749	1.818903005	0.068926229
VEGFB	ENST00000569981.1	ENSG00000238045.5	0.819609709	1.837062866	0.066200615
VEGFB	ENST00000570493.2	ENSG00000261898.2	0.818828559	1.840468616	0.065699468
VEGFB	ENST00000570512.1	ENSG00000262768.1	0.819395592	1.830787102	0.067132326
VEGFB	ENST00000570843.1	ENSG00000261889.1	0.933590527	2.076538499	0.037844174
VEGFB	ENST00000570929.1	ENSG00000262223.2	0.9557428	2.150247892	0.031535612
VEGFB	ENST00000575139.1	ENSG00000263072.1	0.831576722	1.833864732	0.066674076
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VEGFB	ENST00000577698.1	ENSG00000265100.1	0.813943994	1.830939421	0.067109586
VEGFB	ENST00000582558.1	ENSG00000264569.1	0.825770542	1.857638088	0.063220426
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VEGFB	ENST00000595478.1	ENSG00000237031.3	-0.861992209	-1.941691526	0.052174455
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VEGFB	ENST00000606277.1	ENSG00000272145.1	0.815236148	1.806358815	0.07086231
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VEGFB	ENST00000607224.1	ENSG00000272521.1	0.840314942	1.859666943	0.062932662
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VEGFB	ENST00000607476.1	ENSG00000272540.1	0.85999398	1.960904151	0.049890205
VEGFB	ENST00000607943.1	ENSG00000273188.1	0.858507976	1.907462944	0.056460665
VEGFB	ENST00000609281.1	ENSG00000273320.1	0.830592101	1.864508772	0.062250291
VEGFB	ENST00000609972.1	ENSG00000230651.3	0.883498037	1.979343781	0.047777314
VEGFB	ENST00000610145.1	ENSG00000273175.1	0.905486997	2.021960608	0.043180422
VEGFB	NR_003604.2	ZFAS1	0.921588452	2.049202351	0.040442332
VEGFB	NR_003605.1	ZFAS1	0.93732067	2.092254006	0.0364158
VEGFB	NR_003606.2	ZFAS1	0.926307284	2.076113634	0.037883442
VEGFB	NR_027271.1	CIRBP-AS1	0.915972653	2.056201208	0.039763126
VEGFB	NR_027334.2	MZF1-AS1	0.914996066	2.01795793	0.043595643
VEGFB	NR_036480.1	VPS9D1-AS1	0.815000469	1.822855888	0.068325221
VEGFB	NR_036658.1	ZFAS1	0.928280717	2.03280291	0.042072439
VEGFB	NR_044996.1	HCG23	0.909319624	2.029152107	0.0424428
VEGFB	NR_045114.1	PVRL3-AS1	-0.875108787	-1.963475976	0.049590893
VEGFB	NR_072981.1	LINC00957	0.850950994	1.883232141	0.059668915
VEGFB	NR_072982.1	LINC00957	0.850849464	1.896008683	0.057958896
VEGFB	NR_105010.1	LINC01333	0.927137028	2.062803774	0.039131275
VEGFB	NR_108036.1	CFAP58-AS1	0.95616831	2.133258376	0.032903537
VEGFB	NR_110919.1	LOC101928530	0.812043157	1.821929653	0.06846566
VEGFB	NR_120335.1	LOC101928414	0.813424793	1.814682158	0.069572768
VEGFB	NR_121188.1	PGM5P3-AS1	-0.811101485	-1.837936358	0.066071784
VEGFB	NR_121189.1	PGM5P3-AS1	-0.888869705	-1.970223889	0.048812717
VEGFB	NR_126166.1	FAM74A7	0.804150853	1.810899625	0.070156391
VEGFB	NR_135584.1	LOC101927596	0.829483575	1.848044051	0.06459597

Gene1: Differential gene, Differential lncRNA, Gene2: Differential gene for lncRNA