

Ensembl ID	Gene Symbol	0-1 nmol/L		0-10 nmol/L		0-100 nmol/L		0-1000 nmol/L	
		log2.FC	FDR	log2.FC	FDR	log2.FC	FDR	log2.FC	FDR
ENSG00000109576.13	AADAT	1.58718	0.000636	1.541	0.000328	1.51792	0.000317	1.53045	0.000306
ENSG00000115977.18	AAK1	0.54146	0.043126	1.01168	0.000328	0.99897	0.000317	1.09049	0.000306
ENSG00000008311.14	AASS	0.68006	0.000636	1.03797	0.000328	1.0648	0.000317	1.03627	0.000306
ENSG00000165029.15	ABCA1	-2.6249	0.000636	-4.3864	0.000328	-4.379	0.000317	-4.5402	0.000306
ENSG00000154265.15	ABCA5	0.89134	0.001724	1.86408	0.000328	1.67522	0.000317	1.56346	0.000306
ENSG00000004846.16	ABCB5	2.25382	0.006762	2.70577	0.000622	2.55181	0.000604	2.7624	0.000582
ENSG00000103222.18	ABCC1	0.97419	0.000636	1.67705	0.000328	1.71124	0.000317	1.72043	0.000306
ENSG00000125257.13	ABCC4	2.60244	0.000636	3.04362	0.000328	3.05018	0.000317	3.06818	0.000306
ENSG00000114770.16	ABCC5	-0.7154	0.000636	-0.7649	0.000328	-0.8481	0.000317	-0.8813	0.000306
ENSG00000160179.18	ABCG1	-1.2951	0.000636	-1.2925	0.000328	-1.2921	0.000317	-1.2123	0.000306
ENSG00000106077.18	ABHD11	0.38818	0.004109	0.48495	0.000328	0.46145	0.000317	0.41811	0.000582
ENSG00000164074.14	ABHD18	-0.7187	0.001203	-0.696	0.000906	-0.8319	0.000317	-0.7839	0.000582
ENSG00000140526.17	ABHD2	1.3814	0.000636	1.97389	0.000328	1.94144	0.000317	2.04412	0.000306
ENSG00000158201.9	ABHD3	0.49231	0.000636	1.16964	0.000328	1.2506	0.000317	1.24706	0.000306
ENSG00000166016.5	ABTB2	-0.7402	0.000636	-1.2996	0.000328	-1.34	0.000317	-1.3242	0.000306
ENSG00000242539.2	AC007620.3	1.53582	0.000636	1.62205	0.000328	1.23519	0.000317	1.63853	0.000306
ENSG00000276256.1	AC011043.1	-0.3723	0.00912	-0.9929	0.000328	-1.0268	0.000317	-1.1026	0.000306
ENSG00000224087.1	AC018804.3	Inf	0.000636	Inf	0.000328	Inf	0.000317	Inf	0.000306
ENSG00000229056.2	AC020571.3	2.88082	0.000636	3.28607	0.000328	3.0068	0.000317	3.33184	0.000306
ENSG00000237838.1	AC133680.1	2.34324	0.003189	2.44583	0.001694	2.652	0.000604	2.7222	0.001091
ENSG00000183889.12	AC138969.4	-0.5427	0.014931	-0.7481	0.000328	-0.6434	0.028526	-0.8481	0.000306
ENSG00000060971.17	ACAA1	0.83111	0.000636	1.36918	0.000328	1.40967	0.000317	1.48955	0.000306
ENSG00000278540.4	ACACA	0.50241	0.001203	0.69572	0.000328	0.74622	0.000317	0.735	0.000306
ENSG00000151498.11	ACAD8	0.32343	0.012136	1.36904	0.000328	1.39936	0.000317	1.46317	0.000306
ENSG000000196177.12	ACADSB	0.60435	0.025171	0.84815	0.001184	0.88293	0.000317	0.96957	0.000306
ENSG00000144476.5	ACKR3	-1.515	0.000636	-2.3073	0.000328	-2.4048	0.000317	-2.4751	0.000306
ENSG00000131473.16	ACLY	0.2671	0.018317	0.35489	0.000328	0.39916	0.000317	0.39062	0.000842
ENSG00000123130.16	ACOT9	0.63185	0.000636	0.93866	0.000328	0.94101	0.000317	0.94168	0.000306
ENSG00000087008.15	ACOX3	0.42846	0.009854	1.08756	0.000328	1.04905	0.000317	1.12286	0.000306
ENSG00000123983.13	ACSL3	2.91122	0.000636	3.94355	0.000328	3.97718	0.000317	4.0146	0.000306
ENSG00000107796.13	ACTA2	1.77046	0.000636	2.67795	0.000328	2.80425	0.000317	2.69926	0.000306
ENSG00000115091.11	ACTR3	0.38369	0.031008	0.57882	0.000622	0.63461	0.000317	0.6345	0.000306
ENSG00000184378.2	ACTRT3	-0.8903	0.000636	-0.4894	0.029599	-0.5918	0.007002	-0.7387	0.001815
ENSG00000243989.8	ACY1	0.40111	0.013202	0.54422	0.000328	0.56546	0.000317	0.5859	0.000306
ENSG00000042980.12	ADAM28	Inf	0.000636	Inf	0.000328	Inf	0.000317	Inf	0.000306
ENSG00000168615.11	ADAM9	0.75662	0.000636	1.35196	0.000328	1.36894	0.000317	1.42015	0.000306
ENSG00000154734.14	ADAMTS1	0.76304	0.009854	1.43526	0.000328	1.43735	0.000317	1.46374	0.000306
ENSG00000156218.12	ADAMTSL3	1.92053	0.000636	1.89339	0.000328	2.19293	0.000317	2.64261	0.000306
ENSG00000164742.14	ADCY1	-0.7983	0.000636	-1.5683	0.000328	-1.5788	0.000317	-1.6046	0.000306
ENSG00000020181.17	ADGRA2	-1.6741	0.001203	-2.6639	0.002183	-2.9663	0.000604	-2.7715	0.000842
ENSG00000121753.12	ADGRB2	-1.2088	0.000636	-2.1932	0.000328	-2.1973	0.000317	-2.3698	0.000306
ENSG00000112414.14	ADGRG6	-1.2942	0.000636	-1.6054	0.000328	-1.7798	0.000317	-2.0839	0.000306
ENSG00000248144.5	ADH1C	6.35198	0.000636	6.45083	0.000328	6.39528	0.000317	6.03696	0.000306
ENSG00000197894.10	ADH5	0.3888	0.00912	0.74539	0.000328	0.70531	0.000317	0.75785	0.000306
ENSG00000182551.13	ADI1	0.45105	0.000636	0.31481	0.002894	0.29833	0.006801	0.29755	0.007568
ENSG00000163485.16	ADORA1	-0.7293	0.014587	-2.3445	0.000328	-2.1067	0.000317	-2.6299	0.000306
ENSG00000159322.17	ADPGK	0.49446	0.00223	0.86523	0.000328	0.79219	0.000317	0.84803	0.000306
ENSG00000120907.17	ADRA1A	-0.8996	0.000636	-1.4174	0.000328	-1.3051	0.000317	-1.6395	0.000306
ENSG00000150594.6	ADRA2A	-0.447	0.005916	-0.9352	0.000328	-0.6566	0.000317	-0.7924	0.000306
ENSG00000184160.7	ADRA2C	-2.5818	0.000636	-3.6233	0.000328	-4.1559	0.000317	-3.1973	0.000306
ENSG00000043591.5	ADRB1	1.34351	0.000636	2.16147	0.000328	1.97115	0.000317	1.89645	0.000306
ENSG00000104964.14	AES	-0.4375	0.000636	-0.3034	0.009547	-0.3132	0.007388	-0.2911	0.012941
ENSG00000196526.10	AFAP1	-0.4484	0.000636	-0.416	0.002662	-0.4732	0.000317	-0.4636	0.001091
ENSG00000144218.18	AFF3	3.33916	0.000636	4.00064	0.000328	4.13964	0.000317	4.05878	0.000306
ENSG00000038002.8	AGA	-0.6586	0.001203	-0.7902	0.000328	-0.8038	0.000317	-0.6053	0.012941
ENSG00000230869.1	AGAP10P	1.00134	0.00223	0.8907	0.004476	0.85387	0.006397	1.01096	0.002488
ENSG00000164252.12	AGGF1	0.29949	0.006762	0.43703	0.000328	0.4303	0.000317	0.46085	0.000306
ENSG00000106541.11	AGR2	2.02062	0.000636	3.52768	0.000328	3.47169	0.000317	3.60323	0.000306
ENSG00000177674.15	AGTRAP	0.56394	0.000636	0.97869	0.000328	1.00357	0.000317	1.04917	0.000306
ENSG00000172482.4	AGXT	-2.0836	0.00223	-3.9331	0.000328	-4.5486	0.004776	-3.4694	0.002042
ENSG00000124942.13	AHNAK	1.39522	0.000636	2.03513	0.000328	2.1132	0.000317	2.1225	0.000306
ENSG00000186063.12	AIDA	-1.3977	0.000636	-1.6249	0.000328	-1.5622	0.000317	-1.6356	0.000306
ENSG00000126878.12	AIF1L	-0.4358	0.000636	-1.128	0.000328	-1.167	0.000317	-1.1965	0.000306
ENSG00000146416.17	AIG1	-0.4998	0.008725	-0.4352	0.019086	-0.5765	0.00188	-0.4963	0.006421
ENSG00000129474.15	AJUBA	-0.5036	0.011014	-1.1815	0.000328	-1.0716	0.000317	-1.2384	0.000306
ENSG00000162433.14	AK4	0.74568	0.000636	0.91102	0.000328	1.03097	0.000317	0.99574	0.000306
ENSG00000154027.18	AK5	1.66008	0.028433	1.47707	0.038704	2.41158	0.000317	1.48732	0.031799
ENSG00000121057.12	AKAP1	0.49726	0.000636	0.54177	0.000328	0.47157	0.000317	0.53269	0.000306
ENSG00000131016.16	AKAP12	4.62072	0.000636	6.38304	0.000328	6.50395	0.000317	6.60147	0.000306
ENSG00000106948.16	AKNA	-0.5243	0.031921	-0.686	0.009169	-0.9749	0.000317	-0.6847	0.021788
ENSG00000196139.13	AKR1C3	-2.6127	0.000636	-2.1866	0.000328	-1.9493	0.000317	-2.2104	0.000306
ENSG00000122787.14	AKR1D1	3.36245	0.012475	3.69395	0.003577	3.94538	0.002354	3.86822	0.003593
ENSG00000163631.16	ALB	-1.21	0.000636	-2.1509	0.000328	-2.0972	0.000317	-2.1415	0.000306
ENSG00000184254.16	ALDH1A3	2.00636	0.000636	2.79727	0.000328	2.6524	0.000317	2.76788	0.000306
ENSG00000111275.12	ALDH2	-0.6527	0.000636	-0.6768	0.000328	-0.6383	0.000317	-0.6359	0.000306
ENSG00000159423.16	ALDH4A1	0.90486	0.000636	1.61041	0.000328	1.6559	0.000317	1.70087	0.000306
ENSG00000119711.12	ALDH6A1	0.82577	0.000636	1.25738	0.000328	1.28651	0.000317	1.33512	0.000306
ENSG00000119523.9	ALG2	0.31341	0.015617	0.57798	0.000328	0.64564	0.000317	0.62215	0.000306
ENSG00000198796.6	ALPK2	3.36173	0.008346	4.34573	0.001694	4.24769	0.00114	4.30094	0.000842
ENSG00000136383.6	ALPK3	0.96381	0.016299	2.30161	0.000328	2.09207	0.000317	2.5488	0.000306

ENSG00000052850.5	ALX4	-1.0773	0.000636	-1.704	0.000328	-1.4634	0.000317	-1.6722	0.000306
ENSG00000123505.15	AMD1	0.63867	0.000636	0.96642	0.000328	0.98486	0.000317	0.97435	0.000306
ENSG00000181754.6	AMIGO1	-0.5369	0.000636	-0.6867	0.000328	-0.5943	0.000317	-0.6893	0.000306
ENSG00000139211.6	AMIGO2	-2.5917	0.000636	-4.6536	0.000328	-4.1751	0.000604	-4.8416	0.000306
ENSG00000187689.9	AMTN	2.84498	0.000636	3.02568	0.000328	2.88362	0.000317	3.20299	0.000306
ENSG00000214274.9	ANG	0.8577	0.000636	1.4623	0.000328	1.50335	0.000317	1.68711	0.000306
ENSG00000174606.13	ANGEL2	0.57689	0.00365	0.7515	0.000328	0.72609	0.000317	0.73959	0.000306
ENSG00000154122.12	ANKH	1.32051	0.000636	1.99595	0.000328	2.13424	0.000317	2.02468	0.000306
ENSG00000134461.15	ANKRD16	-0.4377	0.001203	-0.4656	0.000906	-0.5629	0.000317	-0.584	0.000306
ENSG00000154065.16	ANKRD29	0.95093	0.000636	1.5861	0.000328	1.63513	0.000317	1.60387	0.000306
ENSG00000145700.9	ANKRD31	-0.6017	0.021709	-0.9216	0.000622	-0.9348	0.000317	-0.5884	0.017437
ENSG00000186352.8	ANKRD37	0.97011	0.010243	2.04894	0.000328	2.11195	0.000317	2.07103	0.000306
ENSG00000151458.11	ANKRD50	-0.6268	0.000636	-0.7021	0.000328	-0.7301	0.000317	-0.7046	0.000306
ENSG00000169604.19	ANTXR1	-1.4919	0.000636	-2.0524	0.000328	-2.0462	0.000317	-2.3047	0.000306
ENSG00000163297.16	ANTXR2	0.60494	0.029881	0.79081	0.037376	0.88147	0.000317	0.82327	0.000842
ENSG00000135046.13	ANXA1	1.51812	0.016936	1.99976	0.002183	2.11061	0.00114	2.04789	0.001335
ENSG00000182718.16	ANXA2	2.05933	0.000636	2.31427	0.000328	2.64489	0.000317	2.33843	0.000306
ENSG00000196975.15	ANXA4	0.63345	0.04153	0.92253	0.000328	0.92288	0.000604	0.8269	0.002262
ENSG00000164111.14	ANXA5	0.56725	0.000636	0.90407	0.000328	0.92283	0.000317	0.99335	0.000306
ENSG00000143412.9	ANXA9	-1.2435	0.000636	-1.6055	0.000328	-1.701	0.000317	-1.5132	0.000306
ENSG00000106367.13	AP1S1	0.35187	0.001724	0.58914	0.000328	0.58655	0.000317	0.61583	0.000306
ENSG00000042753.11	AP2S1	0.53455	0.000636	1.04189	0.000328	1.06729	0.000317	1.06797	0.000306
ENSG00000081014.10	AP4E1	0.44005	0.00223	0.74835	0.000328	0.76965	0.000317	0.75573	0.000306
ENSG00000034053.14	APBA2	-0.437	0.047238	-0.9109	0.000328	-0.937	0.000317	-0.9615	0.000306
ENSG00000169188.4	APEX2	0.46172	0.00365	0.58339	0.000328	0.67111	0.000317	0.64438	0.000306
ENSG00000149089.12	APIP	1.22784	0.000636	1.2653	0.000328	1.26565	0.000317	1.30959	0.000306
ENSG00000169621.9	APLF	-2.2153	0.00223	-1.6819	0.011251	-3.4437	0.007199	-3.0452	0.000582
ENSG00000171388.11	APLN	1.20718	0.000636	0.99405	0.000328	1.12877	0.000317	1.14075	0.000306
ENSG00000084234.16	APLP2	0.51343	0.00223	0.8802	0.000328	0.91576	0.000317	0.95257	0.000306
ENSG00000101474.11	APMAP	0.35713	0.000636	0.44972	0.000328	0.46051	0.000317	0.43198	0.000306
ENSG00000189058.8	APOD	1.54961	0.000636	2.03605	0.000328	2.09311	0.000317	2.14274	0.000306
ENSG00000112379.8	ARFGEF3	0.41434	0.000636	0.48379	0.000328	0.55686	0.000317	0.51587	0.000306
ENSG00000132254.12	ARFIP2	0.38357	0.017291	0.73336	0.000328	0.77053	0.000317	0.81139	0.000306
ENSG00000175220.11	ARHGAP1	0.52154	0.000636	0.80188	0.000328	0.86644	0.000317	0.96579	0.000306
ENSG00000137727.12	ARHGAP20	-1.0456	0.000636	-2.2655	0.000328	-2.3672	0.000317	-1.7511	0.000306
ENSG00000128805.14	ARHGAP22	-1.1796	0.017586	-2.6919	0.000328	-2.4492	0.000317	-2.0507	0.000842
ENSG00000275832.4	ARHGAP23	-1.8423	0.000636	-2.9723	0.000328	-3.6001	0.000317	-3.3442	0.000306
ENSG00000088756.12	ARHGAP28	2.17969	0.000636	2.78927	0.000328	2.7696	0.000317	2.81396	0.000306
ENSG00000137962.12	ARHGAP29	-0.954	0.000636	-0.9911	0.000328	-1.0691	0.000317	-1.1117	0.000306
ENSG00000047648.21	ARHGAP6	0.48033	0.000636	0.53067	0.000328	0.60975	0.000317	0.61394	0.000306
ENSG00000132694.18	ARHGEF11	-0.3201	0.048735	-0.3593	0.013508	-0.3411	0.01256	-0.376	0.008139
ENSG00000110237.3	ARHGEF17	-1.1636	0.000636	-1.3016	0.000328	-1.3755	0.000317	-1.3557	0.000306
ENSG00000116584.17	ARHGEF2	-1.1729	0.000636	-1.4282	0.000328	-1.4321	0.000317	-1.351	0.000306
ENSG00000240771.6	ARHGEF25	-0.5723	0.012136	-0.4812	0.034308	-0.5758	0.002354	-0.4918	0.009067
ENSG00000183111.11	ARHGEF37	0.38508	0.001203	1.06963	0.000328	1.0504	0.000317	1.11967	0.000306
ENSG00000165801.9	ARHGEF40	-0.8891	0.001203	-0.9456	0.000906	-1.019	0.000604	-0.8655	0.009248
ENSG00000150347.14	ARD5B	0.42455	0.000636	0.98275	0.000328	1.00374	0.000317	1.02156	0.000306
ENSG00000169379.15	ARL13B	-0.6188	0.005022	-0.8596	0.000328	-0.9349	0.000317	-0.8491	0.000306
ENSG00000122644.12	ARL4A	0.67642	0.000636	0.84884	0.000328	0.75001	0.000317	0.88359	0.000306
ENSG00000175906.4	ARL4D	-0.7005	0.000636	-0.8867	0.000328	-0.6981	0.000317	-0.7996	0.000306
ENSG00000157343.8	ARMC12	0.78602	0.01178	1.62465	0.000328	1.4582	0.000317	1.51931	0.000306
ENSG00000172379.20	ARNT2	-0.6923	0.000636	-1.1033	0.000328	-1.1469	0.000317	-1.0867	0.000306
ENSG00000162704.15	ARPC5	0.42386	0.01178	0.68038	0.000328	0.65948	0.000317	0.65306	0.000306
ENSG00000113273.15	ARSB	-0.4847	0.001724	-0.4127	0.025406	-0.612	0.000317	-0.7221	0.000306
ENSG00000104763.18	ASAH1	0.61284	0.000636	1.06554	0.000328	1.11883	0.000317	1.15534	0.000306
ENSG00000196372.12	ASB13	0.37758	0.001203	0.35747	0.003805	0.34648	0.004776	0.33206	0.004424
ENSG00000100628.11	ASB2	-1.9465	0.001724	-2.0741	0.001184	-1.4568	0.015741	-1.9596	0.001815
ENSG00000112249.13	ASCC3	0.37474	0.00223	0.32773	0.007577	0.35291	0.003256	0.43267	0.000582
ENSG00000126522.16	ASL	0.53459	0.023343	1.00734	0.000328	1.05245	0.000317	1.08083	0.000306
ENSG00000070669.16	ASNS	-0.611	0.000636	-1.0138	0.000328	-1.0574	0.000317	-1.0067	0.000306
ENSG00000166183.15	ASPG	-10.03	0.000636	-7.8289	0.000328	-8.0411	0.000317	-7.1768	0.000306
ENSG00000198363.17	ASPH	-0.4256	0.000636	-0.814	0.000328	-0.8354	0.000317	-0.9034	0.000306
ENSG00000162174.12	ASRGL1	2.34168	0.000636	2.91263	0.000328	2.94716	0.000317	2.81788	0.000306
ENSG00000130707.17	ASS1	-1.0249	0.000636	-1.4644	0.000328	-1.4535	0.000317	-1.5046	0.000306
ENSG00000156802.12	ATAD2	0.921	0.000636	1.06683	0.000328	1.10524	0.000317	1.11921	0.000306
ENSG00000162772.16	ATF3	0.72966	0.000636	1.44153	0.000328	1.50144	0.000317	1.41931	0.000306
ENSG00000169136.10	ATF5	-0.9251	0.000636	-1.2328	0.000328	-1.1645	0.000317	-1.185	0.000306
ENSG00000170653.18	ATF7	0.53893	0.043126	0.75221	0.002425	0.81067	0.000317	0.87554	0.000306
ENSG00000123395.14	ATG101	0.51733	0.000636	1.49645	0.000328	1.49725	0.000317	1.59932	0.000306
ENSG00000168010.10	ATG16L2	-0.9158	0.005022	-0.7775	0.030221	-1.0772	0.01004	-1.0962	0.000842
ENSG00000144848.10	ATG3	-0.4578	0.007566	-0.5729	0.000328	-0.5099	0.001638	-0.4651	0.002711
ENSG00000166454.9	ATMIN	0.46708	0.025171	0.85409	0.000328	0.9112	0.000317	0.92427	0.000306
ENSG00000068650.18	ATP11A	-0.9015	0.000636	-1.0822	0.000328	-1.3631	0.000317	-1.3183	0.000306
ENSG00000163399.15	ATP1A1	0.70683	0.000636	1.73	0.000328	1.78779	0.000317	1.85433	0.000306
ENSG00000143153.12	ATP1B1	-1.6185	0.000636	-1.2508	0.000328	-1.207	0.000317	-1.2075	0.000306
ENSG00000070961.15	ATP2B1	-0.9864	0.000636	-1.0403	0.000328	-1.0453	0.000317	-1.1046	0.000306
ENSG00000159199.13	ATP5G1	0.57762	0.025171	0.69502	0.003577	0.66216	0.004565	0.68612	0.00401
ENSG00000143515.16	ATP8B2	1.0576	0.000636	1.22346	0.000328	1.30836	0.000317	1.49826	0.000306
ENSG00000107518.16	ATRNL1	0.88763	0.000636	2.38694	0.000328	2.55918	0.000317	2.60724	0.000306
ENSG00000162650.16	ATXN7L2	-0.4101	0.024569	-0.6718	0.000328	-0.7216	0.000317	-0.721	0.001335
ENSG00000253719.3	ATXN7L3B	-0.4365	0.000636	-0.5921	0.000328	-0.5445	0.000317	-0.5518	0.000306
ENSG00000148090.11	AUH	0.32007	0.020778	0.71449	0.000328	0.6383	0.000317	0.66022	0.000306

ENSG00000158321.15	AUTS2	-0.8552	0.002716	-1.3571	0.000328	-1.6498	0.000317	-1.5142	0.000306
ENSG00000119986.6	AVPI1	-0.6575	0.000636	-0.8114	0.000328	-0.8597	0.000317	-0.6821	0.000306
ENSG00000160862.12	AZGP1	2.3043	0.000636	3.12053	0.000328	3.1996	0.000317	3.21375	0.000306
ENSG00000214313.8	AZGP1P1	1.88137	0.000636	2.5515	0.000328	2.61967	0.000317	2.44084	0.000306
ENSG00000166710.17	B2M	1.01768	0.000636	1.77169	0.000328	1.7776	0.000317	1.82923	0.000306
ENSG00000149541.9	B3GAT3	0.3484	0.00716	0.82732	0.000328	0.84561	0.000317	0.85385	0.000306
ENSG00000135454.13	B4GALNT1	-1.174	0.000636	-1.3347	0.000622	-1.5534	0.000317	-1.5297	0.000306
ENSG00000175866.15	BAIAP2	0.6864	0.000636	1.27375	0.000328	1.32849	0.000317	1.39496	0.000306
ENSG00000030110.12	BAK1	0.30442	0.012136	0.58479	0.000328	0.57079	0.000317	0.63785	0.000306
ENSG00000095739.10	BAMBI	-0.4638	0.000636	-0.5136	0.000328	-0.5996	0.000317	-0.4299	0.000582
ENSG00000179941.6	BBS10	0.68396	0.000636	0.72858	0.000328	0.73696	0.000317	0.7282	0.000306
ENSG00000140463.13	BBS4	0.56474	0.021709	0.98511	0.000328	1.17073	0.000317	1.15998	0.000306
ENSG00000187244.10	BCAM	-0.8835	0.000636	-0.9524	0.000328	-1.0048	0.000317	-1.055	0.000306
ENSG00000137936.16	BCAR3	1.10842	0.000636	1.67177	0.000328	1.62968	0.000317	1.67865	0.000306
ENSG00000060982.14	BCAT1	-1.0393	0.001203	-2.4826	0.000328	-2.2903	0.000317	-2.504	0.000306
ENSG00000107949.16	BCCIP	0.59912	0.000636	0.75301	0.000328	0.70944	0.000317	0.75154	0.000306
ENSG00000114200.9	BCHE	-1.8075	0.000636	-3.0537	0.000328	-3.1317	0.000317	-3.3755	0.000306
ENSG00000083123.14	BCKDHB	0.36365	0.019278	0.57714	0.000328	0.53752	0.000604	0.61171	0.000306
ENSG00000171791.12	BCL2	-0.6701	0.000636	-2.0916	0.000328	-1.5642	0.000317	-2.4797	0.000306
ENSG00000113916.17	BCL6	-0.5591	0.000636	-0.6485	0.000328	-0.6273	0.000317	-0.6196	0.000306
ENSG00000110987.8	BCL7A	-0.4251	0.001203	-0.4626	0.000328	-0.516	0.000317	-0.4837	0.000306
ENSG00000186174.12	BCL9L	-0.643	0.015959	-0.6394	0.019564	-0.5756	0.028844	-0.5508	0.048112
ENSG00000183337.16	BCOR	-0.422	0.000636	-0.4432	0.000328	-0.4467	0.000317	-0.4781	0.000306
ENSG00000188848.15	BEND4	2.18785	0.000636	2.40284	0.000328	2.40919	0.000317	2.34525	0.000306
ENSG00000177951.17	BET1L	0.39898	0.002716	0.91871	0.000328	0.92018	0.000317	1.02117	0.000306
ENSG00000133169.5	BEX1	-0.3041	0.020495	-0.6142	0.000328	-0.7191	0.000317	-0.8612	0.000306
ENSG00000180535.3	BHLHA15	0.76679	0.000636	1.76132	0.000328	1.85977	0.000317	2.0131	0.000306
ENSG00000134107.4	BHLHE40	0.82177	0.000636	1.83836	0.000328	1.91702	0.000317	1.87764	0.000306
ENSG00000185963.13	BICD2	1.23015	0.000636	2.21663	0.000328	2.26342	0.000317	2.31322	0.000306
ENSG00000015475.18	BID	-1.2782	0.000636	-1.7916	0.000328	-2.0807	0.000317	-2.1165	0.000306
ENSG00000104164.10	BLOC1S6	-0.4391	0.00716	-0.6194	0.000328	-0.5912	0.000317	-0.6426	0.000306
ENSG00000090013.9	BLVRB	0.47062	0.000636	0.91389	0.000328	0.94571	0.000317	1.04678	0.000306
ENSG00000104081.13	BMF	-1.4724	0.000636	-2.0291	0.000328	-2.1662	0.000317	-2.0828	0.000306
ENSG00000168487.17	BMP1	-0.5591	0.000636	-0.9317	0.000328	-1.1253	0.000317	-1.0352	0.000306
ENSG00000153162.8	BMP6	-0.4686	0.035564	-2.0478	0.000328	-1.553	0.000317	-1.9035	0.000306
ENSG00000138696.10	BMPR1B	2.92474	0.000636	3.50382	0.000328	3.62842	0.000317	3.70135	0.000306
ENSG00000176171.11	BNIP3	0.44466	0.000636	0.89535	0.000328	0.95514	0.000317	1.05564	0.000306
ENSG00000178096.8	BOLA1	0.28877	0.042881	0.32426	0.01637	0.29655	0.032552	0.28044	0.040352
ENSG00000137274.12	BPHL	-0.323	0.033347	-0.4884	0.000328	-0.5981	0.000317	-0.5842	0.000306
ENSG00000125999.10	BP1FB1	0.94134	0.021069	1.58247	0.000328	1.70756	0.000317	1.25805	0.000842
ENSG00000078725.12	BRINP1	-1.0903	0.001724	-1.2588	0.001184	-1.3648	0.000317	-1.3978	0.000306
ENSG00000095564.13	BTAF1	0.49293	0.000636	0.79936	0.000328	0.8375	0.000317	0.81919	0.000306
ENSG00000174808.11	BTC	1.57556	0.002716	1.97215	0.000328	1.73949	0.000881	1.71884	0.000306
ENSG00000133639.4	BTG1	0.39392	0.000636	0.43744	0.000328	0.47109	0.000604	0.4578	0.000306
ENSG00000159388.5	BTG2	-0.5272	0.000636	-0.817	0.000328	-0.8754	0.000317	-0.842	0.000306
ENSG00000124508.16	BTN2A2	-0.6849	0.000636	-0.8252	0.000328	-0.8562	0.000317	-0.7327	0.000306
ENSG00000270689.1	BUD13P1	1.53773	0.001203	1.7895	0.000328	1.509	0.00114	1.8234	0.000306
ENSG00000223723.1	BX842568.2	-1.7851	0.000636	-3.2694	0.000328	-2.4015	0.000317	-2.5284	0.000306
ENSG00000180066.9	C10orf91	-0.89	0.003189	-0.8454	0.001694	-0.6336	0.027909	-0.7035	0.02816
ENSG00000188070.9	C11orf95	-1.4152	0.000636	-1.6756	0.000328	-2.2321	0.000317	-2.2369	0.000306
ENSG00000227051.6	C14orf132	-0.9316	0.000636	-1.0511	0.000622	-1.1497	0.000317	-1.3157	0.000306
ENSG00000166780.10	C16orf45	-2.3322	0.017944	-3.1221	0.001944	-2.6203	0.008971	-3.3451	0.000306
ENSG00000186665.9	C17orf58	0.62374	0.000636	0.80776	0.000328	0.80695	0.000317	0.63298	0.000306
ENSG00000167747.13	C19orf48	1.37707	0.000636	1.43728	0.000328	1.50471	0.000317	1.56136	0.000306
ENSG00000162817.6	C1orf115	-0.6135	0.000636	-0.7867	0.000328	-0.806	0.000317	-0.8374	0.000306
ENSG00000182795.12	C1orf116	2.23051	0.000636	2.63077	0.000328	2.64314	0.000317	2.70531	0.000306
ENSG00000116667.12	C1orf21	2.01131	0.000636	3.11312	0.000328	3.12638	0.000317	3.23828	0.000306
ENSG00000253313.5	C1orf210	0.36604	0.035034	0.97398	0.000328	0.87867	0.000317	0.97714	0.000306
ENSG00000203724.10	C1orf53	-1.1911	0.000636	-1.247	0.000328	-1.0525	0.000317	-1.0357	0.000306
ENSG00000131094.3	C1QL1	-0.7702	0.000636	-1.3385	0.000328	-1.7283	0.000317	-1.759	0.000306
ENSG00000186897.4	C1QL4	-1.0555	0.000636	-2.599	0.000328	-2.5117	0.000317	-2.4647	0.000306
ENSG00000133466.13	C1QTNF6	-1.0549	0.000636	-1.0915	0.000328	-1.2118	0.000317	-1.1393	0.000306
ENSG00000159403.15	C1R	-1.1848	0.000636	-1.5673	0.000328	-1.8481	0.000317	-1.7223	0.000306
ENSG00000166278.14	C2	1.97678	0.000636	2.44815	0.000328	2.26653	0.000317	2.69468	0.000306
ENSG00000101084.17	C20orf24	0.36999	0.035564	0.61728	0.000328	0.66263	0.000317	0.67403	0.000306
ENSG00000204128.5	C2orf72	1.42789	0.000636	1.25277	0.000906	1.22903	0.001638	1.51577	0.000306
ENSG00000186132.14	C2orf76	1.03748	0.000636	1.82434	0.000328	1.79385	0.000317	1.84587	0.000306
ENSG00000181744.8	C3orf58	1.98512	0.000636	2.8847	0.000328	2.9074	0.000317	3.02415	0.000306
ENSG00000187068.2	C3orf70	-1.3514	0.000636	-1.2226	0.000328	-2.0574	0.000317	-1.6851	0.000306
ENSG00000181751.9	C5orf30	-0.7293	0.000636	-1.4761	0.000328	-1.3594	0.000317	-1.5916	0.000306
ENSG00000205765.8	C5orf51	0.41517	0.001203	0.40307	0.000328	0.45342	0.000317	0.39568	0.000306
ENSG00000188112.8	C6orf132	0.55336	0.003189	0.89446	0.000328	0.98054	0.000317	0.97604	0.000306
ENSG00000204387.12	C6orf48	-0.4295	0.000636	-0.4354	0.000328	-0.4375	0.000317	-0.5088	0.000306
ENSG00000176731.11	C8orf59	0.39296	0.010622	0.52857	0.000622	0.44813	0.002116	0.47113	0.00422
ENSG00000188959.9	C9orf152	1.07375	0.000636	1.76568	0.000328	1.77292	0.000317	1.88409	0.000306
ENSG00000147894.14	C9orf72	0.60356	0.000636	1.24091	0.000328	1.20591	0.000317	1.22192	0.000306
ENSG00000155621.14	C9orf85	0.73165	0.000636	0.91007	0.000328	1.15092	0.000317	1.06041	0.000306
ENSG00000074410.13	CA12	-0.83	0.000636	-1.2666	0.000328	-1.3648	0.000317	-1.5873	0.000306
ENSG00000186312.10	CA5BP1	0.63276	0.039029	0.91773	0.001944	0.7135	0.018268	0.83317	0.003802
ENSG00000149679.11	CABLES2	-0.3797	0.00365	-0.7275	0.000328	-0.6448	0.000317	-0.6698	0.000306
ENSG00000158966.13	CACHD1	-1.615	0.000636	-2.527	0.000328	-2.3983	0.000317	-3.0612	0.000306
ENSG00000167535.7	CACNB3	-0.4369	0.02396	-0.5002	0.003124	-0.609	0.000317	-0.4112	0.036363

ENSG00000075461.5	CACNG4	1.82045	0.000636	2.17355	0.000328	2.34533	0.000317	2.27741	0.000306
ENSG000000175161.13	CADM2	2.00279	0.000636	2.48124	0.000328	2.48863	0.000317	2.49808	0.000306
ENSG000000105767.2	CADM4	-0.6775	0.00223	-0.9255	0.000328	-0.7232	0.005597	-0.7621	0.000306
ENSG000000081803.15	CADPS2	1.3523	0.000636	2.41512	0.000328	2.11545	0.000317	2.3471	0.000306
ENSG000000160014.16	CALM3	0.36538	0.009854	0.641	0.000328	0.664	0.000317	0.72095	0.000306
ENSG000000128595.16	CALU	0.66919	0.000636	1.1232	0.000328	1.17378	0.000317	1.1728	0.000306
ENSG000000183049.12	CAMK1D	-2.7645	0.000636	-2.7632	0.000328	-2.7536	0.000317	-3.4283	0.000306
ENSG000000058404.19	CAMK2B	-0.6548	0.001203	-1.0975	0.000328	-1.3466	0.000317	-1.0566	0.000306
ENSG000000148660.20	CAMK2G	-0.3195	0.021069	-0.3517	0.007371	-0.4263	0.001638	-0.4737	0.000306
ENSG000000162545.5	CAMK2N1	-3.3791	0.000636	-4.8234	0.000328	-5.8554	0.000317	-4.8735	0.000306
ENSG000000004660.14	CAMKK1	-0.5454	0.000636	-1.1013	0.000328	-1.0609	0.000317	-1.2176	0.000306
ENSG000000110931.18	CAMKK2	0.90327	0.000636	1.36676	0.000328	1.3248	0.000317	1.34043	0.000306
ENSG000000171302.16	CANT1	0.6189	0.00223	0.98253	0.000328	1.03027	0.000317	1.09408	0.000306
ENSG000000112186.11	CAP2	0.46529	0.000636	1.15174	0.000328	1.20213	0.000317	1.164	0.000306
ENSG000000162949.16	CAPN13	1.09007	0.000636	1.32214	0.000328	1.45718	0.000317	1.46814	0.000306
ENSG000000162909.17	CAPN2	0.70168	0.000636	1.37361	0.000328	1.44225	0.000317	1.48067	0.000306
ENSG000000149260.15	CAPN5	0.34338	0.027007	0.51576	0.000328	0.59605	0.000317	0.58183	0.000306
ENSG000000077274.8	CAPN6	-0.6829	0.018963	-0.9768	0.000328	-1.1665	0.000317	-1.1269	0.000306
ENSG000000077549.17	CAPZB	0.77292	0.000636	1.71026	0.000328	1.76052	0.000317	1.78976	0.000306
ENSG000000079691.17	CARMIL1	0.67569	0.000636	1.40154	0.000328	1.46744	0.000317	1.4721	0.000306
ENSG000000110619.17	CARS	-0.3618	0.010243	-0.5863	0.000328	-0.5785	0.000317	-0.6044	0.000306
ENSG000000204682.5	CASC10	0.86615	0.001724	0.93545	0.001944	0.8358	0.003702	1.07507	0.000842
ENSG000000167971.15	CASKIN1	-1.5508	0.000636	-1.4704	0.000328	-1.6726	0.000317	-1.5856	0.000306
ENSG000000141668.9	CBLN2	-2.9947	0.000636	-5.2702	0.000328	-5.0882	0.000317	-5.3509	0.000306
ENSG000000172785.18	CBWD1	0.95704	0.000636	1.88428	0.000328	1.81322	0.000317	1.94951	0.000306
ENSG000000007080.10	CCDC124	0.28065	0.01178	0.41478	0.000328	0.41954	0.000317	0.47694	0.000306
ENSG000000163492.14	CCDC141	6.35014	0.002716	7.326	0.000622	7.34154	0.000604	7.47304	0.000306
ENSG000000153237.17	CCDC148	-1.811	0.000636	-1.6664	0.024885	-2.115	0.000317	-1.471	0.021491
ENSG000000198937.8	CCDC167	0.43881	0.000636	0.73819	0.000328	0.79754	0.000317	0.87256	0.000306
ENSG000000267909.2	CCDC177	-1.2413	0.003189	-2.7096	0.000328	-2.4265	0.000317	-2.7711	0.000306
ENSG000000177875.4	CCDC184	-1.5203	0.000636	-0.9511	0.000328	-1.4228	0.000317	-1.7236	0.000306
ENSG000000160050.14	CCDC28B	-0.4529	0.037817	-0.6399	0.003352	-0.7522	0.000317	-0.7453	0.000306
ENSG000000151468.10	CCDC3	-0.8203	0.038266	-1.9646	0.002425	-2.3458	0.001393	-2.0031	0.020828
ENSG000000133773.11	CCDC59	-1.2283	0.000636	-1.6389	0.000328	-1.7058	0.000317	-1.6929	0.000306
ENSG000000108091.10	CCDC6	0.34459	0.001724	0.37623	0.000328	0.41264	0.000317	0.43326	0.000306
ENSG000000091986.15	CCDC80	-2.8637	0.000636	-3.3862	0.000328	-3.7858	0.000317	-4.3261	0.000306
ENSG000000110104.11	CCDC86	0.41849	0.000636	0.44404	0.000328	0.44147	0.000317	0.46021	0.000306
ENSG000000138764.14	CCNG2	-1.031	0.000636	-1.2204	0.000328	-1.1018	0.000317	-1.2432	0.000306
ENSG000000135083.14	CCNJL	-1.1961	0.008346	-2.3455	0.000328	-2.749	0.000317	-2.2706	0.000306
ENSG000000152669.8	CCNO	-2.2504	0.000636	-1.9393	0.000328	-2.3651	0.000317	-2.734	0.000306
ENSG000000163249.11	CCNYL1	0.90285	0.002716	0.94235	0.000328	0.89506	0.000317	0.82189	0.000306
ENSG000000177697.17	CD151	0.38477	0.045138	0.94251	0.000328	0.96084	0.000317	0.99199	0.000306
ENSG000000135535.15	CD164	0.32559	0.002716	0.57898	0.000328	0.61388	0.000317	0.57476	0.000306
ENSG000000174950.10	CD164L2	1.0126	0.007566	1.32689	0.000328	1.29299	0.000317	1.56496	0.000306
ENSG000000272398.5	CD24	-1.3146	0.000636	-1.6591	0.000328	-1.6179	0.000317	-1.7011	0.000306
ENSG000000198087.7	CD2AP	0.46898	0.000636	0.55424	0.000328	0.56874	0.000317	0.55391	0.000306
ENSG000000167775.10	CD320	0.7088	0.001724	0.9568	0.000328	0.99293	0.000317	1.07082	0.000306
ENSG000000104894.11	CD37	-0.7995	0.023027	-1.0578	0.000622	-0.8877	0.030078	-1.1596	0.000306
ENSG000000196352.14	CD55	-0.6754	0.001724	-1.8493	0.000328	-1.8974	0.000317	-1.4385	0.000306
ENSG000000085117.11	CD82	-0.9001	0.000636	-0.9808	0.000328	-0.6669	0.000317	-0.49	0.015779
ENSG000000112149.9	CD83	-0.7221	0.000636	-1.9084	0.000328	-1.5243	0.000317	-1.8715	0.000306
ENSG00000010278.12	CD9	0.75623	0.000636	1.31412	0.000328	1.33753	0.000317	1.37923	0.000306
ENSG000000081377.16	CDC14B	0.74526	0.000636	1.53267	0.000328	1.46276	0.000317	1.59479	0.000306
ENSG000000105401.8	CDC37	0.40509	0.000636	0.6308	0.000328	0.61429	0.000317	0.63228	0.000306
ENSG000000128283.6	CDC42EP1	-0.5766	0.000636	-1.3418	0.000328	-1.4187	0.000317	-1.2599	0.000306
ENSG000000163171.7	CDC42EP3	1.06053	0.000636	1.70304	0.000328	1.83332	0.000317	1.82215	0.000306
ENSG000000179604.9	CDC42EP4	-0.4603	0.000636	-0.4941	0.000328	-0.5175	0.000604	-0.5526	0.000306
ENSG000000164649.19	CDC47L	-0.5959	0.000636	-1.7854	0.000328	-1.7027	0.000317	-1.7511	0.000306
ENSG000000145526.11	CDH18	-2.4454	0.000636	-2.0187	0.002894	-1.9797	0.000317	-2.8838	0.000306
ENSG000000139880.19	CDH24	-0.9248	0.000636	-1.4203	0.000328	-1.8559	0.000317	-1.591	0.000306
ENSG000000124215.16	CDH26	-1.7721	0.000636	-2.9784	0.000328	-2.8608	0.000317	-3.0883	0.000306
ENSG000000113361.12	CDH6	-1.4284	0.000636	-2.8272	0.000328	-3.5427	0.000317	-4.1274	0.000306
ENSG000000167797.7	CDK2AP2	0.41312	0.000636	0.82616	0.000328	0.84536	0.000317	0.92547	0.000306
ENSG000000105810.9	CDK6	1.70755	0.000636	1.41392	0.000622	1.69975	0.000317	1.91788	0.000306
ENSG000000132964.11	CDK8	-0.6057	0.000636	-0.663	0.000328	-0.7911	0.000317	-0.6887	0.000306
ENSG000000145996.11	CDKAL1	-0.4943	0.000636	-0.6021	0.000328	-0.5869	0.000317	-0.6889	0.000306
ENSG000000124762.13	CDKN1A	-0.6244	0.000636	-0.7405	0.000328	-0.7335	0.000317	-0.6453	0.000306
ENSG000000091527.15	CDV3	0.37314	0.013202	0.33735	0.016524	0.43715	0.001393	0.40328	0.006612
ENSG000000166446.14	CDYL2	1.41895	0.000636	2.34337	0.000328	2.47356	0.000317	2.31256	0.000306
ENSG0000000267296.2	CEBPA-AS1	-0.4902	0.001203	-0.7087	0.000328	-0.6523	0.000317	-0.6395	0.000306
ENSG000000172216.5	CEBPB	-0.5117	0.000636	-0.5848	0.000328	-0.7351	0.000317	-0.5084	0.000306
ENSG000000221869.4	CEBPD	1.54649	0.000636	2.17831	0.000328	2.11866	0.000317	2.29245	0.000306
ENSG000000153879.8	CEBPG	-0.4622	0.000636	-0.7021	0.000328	-0.6946	0.000317	-0.7505	0.000306
ENSG000000183307.3	CECR6	0.82732	0.001203	2.10783	0.000328	2.15287	0.000317	2.17759	0.000306
ENSG000000170835.14	CEL	-0.7723	0.000636	-1.8165	0.000328	-1.8344	0.000317	-1.9931	0.000306
ENSG000000143126.7	CELSR2	-0.7564	0.000636	-1.0211	0.000328	-1.038	0.000317	-0.9886	0.000306
ENSG000000184524.5	CEND1	-1.4724	0.001203	-1.4849	0.000622	-2.1281	0.000604	-1.8829	0.000306
ENSG000000166451.13	CENPN	1.65071	0.000636	2.57552	0.000328	2.6157	0.000317	2.72146	0.000306
ENSG000000169689.14	CENPX	0.63553	0.000636	0.63339	0.000328	0.67341	0.000317	0.67908	0.000306
ENSG000000141577.13	CEP131	-0.3811	0.028108	-0.6765	0.000328	-0.6178	0.002116	-0.5272	0.001091
ENSG000000100422.13	CERK	-2.3477	0.000636	-3.1688	0.000328	-3.37	0.000317	-2.8645	0.000306
ENSG000000090661.11	CERS4	-0.5124	0.001203	-0.3864	0.005344	-0.4452	0.002116	-0.2954	0.045401

ENSG00000172292.14	CERS6	0.54559	0.000636	0.55729	0.000328	0.62362	0.000317	0.5528	0.000306
ENSG00000172831.11	CES2	0.41703	0.011014	0.47004	0.002894	0.4653	0.003256	0.53718	0.000306
ENSG00000143375.14	CGN	0.29403	0.033864	0.643	0.000328	0.63494	0.000317	0.65559	0.000306
ENSG00000128849.10	CGNL1	-0.2834	0.04153	-0.7744	0.000328	-0.7314	0.000317	-0.695	0.000306
ENSG00000279278.1	CH17-264L24.1	-0.8565	0.000636	-0.9242	0.000328	-1.1751	0.000317	-1.6578	0.000306
ENSG00000275993.2	CH507-42P11.8	-0.6489	0.004109	-1.3861	0.000328	-1.1926	0.000317	-1.1671	0.000582
ENSG00000128965.11	CHAC1	-0.7688	0.000636	-0.8591	0.000328	-1.0176	0.000317	-1.0974	0.000306
ENSG00000110721.11	CHKA	1.05269	0.000636	1.57221	0.000328	1.6733	0.000317	1.58117	0.000306
ENSG000001188419.13	CHM	0.41039	0.012475	0.79637	0.000328	0.79995	0.000317	0.84511	0.000306
ENSG00000128656.13	CHN1	-1.8212	0.000636	-2.6229	0.000328	-1.6998	0.012206	-2.1923	0.000582
ENSG00000106069.21	CHN2	1.27759	0.018654	2.0584	0.000328	2.26957	0.000317	2.11047	0.000306
ENSG00000123989.13	CHPF	0.49463	0.000636	1.40166	0.000328	1.49838	0.000317	1.57783	0.000306
ENSG00000111666.10	CHPT1	0.48299	0.000636	0.88261	0.000328	0.88898	0.000317	0.88252	0.000306
ENSG00000120903.12	CHRNA2	5.49789	0.000636	6.39757	0.000328	6.42836	0.000317	6.47761	0.000306
ENSG00000159208.15	CIART	-0.4832	0.012475	-0.9473	0.000328	-1.1272	0.000317	-0.9755	0.000306
ENSG00000185043.10	CIB1	0.50759	0.000636	1.03219	0.000328	1.00905	0.000317	1.04825	0.000306
ENSG00000136026.13	CKAP4	0.4251	0.000636	0.85567	0.000328	0.91784	0.000317	0.98841	0.000306
ENSG00000189143.9	CLDN4	-0.4414	0.000636	-0.4342	0.000328	-0.4585	0.000317	-0.4458	0.000306
ENSG00000156284.5	CLDN8	0.62526	0.01426	0.66375	0.007577	1.10805	0.000317	0.92836	0.000306
ENSG00000153132.12	CLGN	0.68607	0.000636	0.8266	0.000328	0.78494	0.000317	0.81235	0.000306
ENSG00000171603.16	CLSTN1	-0.344	0.005916	-0.4661	0.000328	-0.444	0.000317	-0.4325	0.002488
ENSG00000139182.13	CLSTN3	-0.9112	0.000636	-0.8099	0.000328	-0.7694	0.000317	-0.6361	0.000306
ENSG00000122705.16	CLTA	0.29331	0.004576	0.59477	0.000328	0.56946	0.000317	0.64986	0.000306
ENSG00000103121.8	CMC2	1.22373	0.001203	1.51337	0.000328	1.56675	0.000317	1.57175	0.000306
ENSG00000153815.16	CMIP	-0.4594	0.000636	-0.586	0.000328	-0.5414	0.000317	-0.5427	0.000306
ENSG00000091317.7	CMTM6	0.37146	0.000636	0.50654	0.000328	0.48741	0.000317	0.50639	0.000306
ENSG00000170293.8	CMTM8	1.38539	0.000636	1.63627	0.000328	1.43854	0.000317	1.72219	0.000306
ENSG00000133313.14	CNDP2	0.43904	0.00949	0.91252	0.000328	0.94015	0.000317	0.96656	0.000306
ENSG00000105427.9	CNFN	0.39688	0.048491	0.79361	0.000328	0.90885	0.000317	0.97855	0.000306
ENSG00000153721.18	CNKSR3	-0.4954	0.00223	-0.9695	0.000328	-0.9766	0.000317	-1.0832	0.000306
ENSG00000064666.14	CNN2	0.37618	0.000636	0.87839	0.000328	0.92812	0.000317	0.99581	0.000306
ENSG00000137161.16	CNPY3	0.54389	0.000636	1.1411	0.000328	1.13874	0.000317	1.21037	0.000306
ENSG00000149972.10	CNTN5	-2.1369	0.000636	-3.2323	0.000328	-2.5251	0.000317	-2.7886	0.000306
ENSG00000181924.6	COA4	0.29927	0.034154	0.36796	0.006151	0.39691	0.002354	0.43121	0.000842
ENSG00000182871.14	COL18A1	-0.9069	0.001724	-1.2597	0.000328	-1.228	0.003256	-1.2249	0.000306
ENSG00000050767.15	COL23A1	2.49081	0.000636	3.10473	0.000328	3.0806	0.000317	3.14302	0.000306
ENSG00000196739.14	COL27A1	-2.3805	0.000636	-1.1847	0.036046	-2.8301	0.000317	-3.2495	0.000306
ENSG00000188153.12	COL4A5	0.71111	0.008346	0.79385	0.004026	0.75894	0.006397	0.6702	0.010319
ENSG00000197565.15	COL4A6	0.79541	0.030491	1.29409	0.000328	1.34565	0.000317	1.48091	0.000306
ENSG00000130635.15	COL5A1	-1.7467	0.000636	-2.6233	0.000328	-3.283	0.000317	-3.2744	0.000306
ENSG00000204262.11	COL5A2	-1.3319	0.000636	-1.507	0.000328	-1.1785	0.003256	-1.6656	0.000306
ENSG00000049089.13	COL9A2	-1.4602	0.000636	-2.2859	0.000328	-2.1645	0.000317	-1.9826	0.000306
ENSG00000092758.15	COL9A3	0.63861	0.021069	0.96335	0.000622	0.89904	0.000317	0.78569	0.002711
ENSG00000214290.8	COLCA2	-3.0926	0.015302	#NAME?	0.001944	-3.9828	0.00498	#NAME?	0.000582
ENSG00000158270.11	COLEC12	-2.13	0.000636	-2.7848	0.000328	-2.8566	0.000317	-2.9164	0.000306
ENSG00000169019.10	COMMD8	0.62647	0.000636	0.80612	0.000328	0.70565	0.000317	0.7401	0.000306
ENSG00000165644.10	COMTD1	0.48774	0.000636	0.49095	0.000622	0.48017	0.001638	0.56031	0.000306
ENSG00000181789.14	COPG1	0.37525	0.003189	0.93335	0.000328	0.99414	0.000317	1.04349	0.000306
ENSG00000172301.10	COPRS	0.42016	0.000636	0.63534	0.000328	0.6594	0.000317	0.65134	0.000306
ENSG00000135469.13	COQ10A	-0.3459	0.028108	-0.3508	0.02409	-0.4025	0.009337	-0.603	0.000306
ENSG00000163050.16	COQ8A	0.55212	0.000636	0.31763	0.006983	0.33895	0.002583	0.32967	0.002042
ENSG00000102879.15	CORO1A	-1.5976	0.000636	-2.8383	0.000328	-2.3442	0.000317	-2.5767	0.000306
ENSG00000106789.12	CORO2A	0.71783	0.000636	1.30898	0.000328	1.33978	0.000317	1.43906	0.000306
ENSG00000103187.7	COTL1	0.76655	0.000636	1.26127	0.000328	1.22541	0.000317	1.24107	0.000306
ENSG00000107864.14	CPEB3	1.23803	0.000636	1.83498	0.000328	1.76136	0.000317	1.85029	0.000306
ENSG00000140848.16	CPNE2	-0.4571	0.001203	-0.6851	0.000328	-0.6396	0.000317	-0.6518	0.000306
ENSG00000130038.9	CRACR2A	4.14042	0.00223	4.47089	0.009354	4.87511	0.005597	4.70528	0.006232
ENSG00000182158.14	CREB3L2	0.68705	0.008725	0.9503	0.000328	0.96703	0.000317	0.92876	0.000306
ENSG00000137504.13	CREBZF	-0.3432	0.005916	-0.4533	0.000328	-0.4904	0.000317	-0.5057	0.000306
ENSG00000143162.7	CREG1	0.27858	0.018963	0.34953	0.001694	0.42256	0.000317	0.39073	0.000306
ENSG00000103196.11	CRISPLD2	0.72449	0.000636	2.16703	0.000328	2.2321	0.000317	2.13982	0.000306
ENSG00000088766.11	CRLS1	0.75895	0.000636	1.28904	0.000328	1.31885	0.000317	1.35735	0.000306
ENSG00000005469.11	CROT	1.05193	0.000636	1.23594	0.000328	1.172	0.000317	1.04851	0.000306
ENSG00000105662.15	CRTC1	-0.3488	0.009854	-0.4637	0.000328	-0.4558	0.000317	-0.3599	0.007008
ENSG00000140577.15	CRTC3	-0.5465	0.001203	-0.6446	0.000328	-0.6733	0.000881	-0.6704	0.000306
ENSG00000109846.7	CRYAB	0.92668	0.033613	1.57784	0.000328	1.78711	0.000317	1.36624	0.000582
ENSG00000147408.14	CSGALNACT1	2.5	0.000636	3.88452	0.000328	3.98141	0.000317	4.21811	0.000306
ENSG00000169826.7	CSGALNACT2	0.42598	0.000636	0.59848	0.000328	0.52026	0.000317	0.51356	0.000306
ENSG00000151292.17	CSNK1G3	0.72469	0.000636	1.06824	0.000328	1.04276	0.000317	1.03302	0.000306
ENSG00000110925.6	CSNRNP2	-0.5632	0.002716	-0.5562	0.00144	-0.5454	0.00114	-0.7168	0.000306
ENSG00000177613.8	CSTF2T	0.29128	0.010622	0.48986	0.000328	0.51123	0.000317	0.57668	0.000306
ENSG00000269586.7	CT45A10	-0.5969	0.000636	-1.0298	0.000328	-1.0587	0.000317	-0.9506	0.000306
ENSG00000228836.8	CT45A5	-0.8612	0.02396	-1.1249	0.004026	-1.619	0.000881	-0.9796	0.010135
ENSG00000250237.1	CTC-498J12.1	0.76477	0.00365	0.61365	0.02409	0.62742	0.021919	0.57446	0.037291
ENSG00000277013.1	CTC-526N19.1	0.42972	0.037817	1.093	0.000328	1.11169	0.000317	1.09244	0.000306
ENSG00000270933.1	CTD-2227E11.1	0.74899	0.013889	1.21288	0.000328	1.0625	0.000317	0.94289	0.001815
ENSG00000259802.1	CTD-2256P15.2	0.29187	0.038756	0.6353	0.000328	0.52693	0.000317	0.55347	0.000306
ENSG00000266208.1	CTD-2267D19.3	-0.5008	0.005467	-0.6072	0.000906	-0.5657	0.003039	-0.4359	0.024026
ENSG00000258314.3	CTD-2314B22.1	2.64121	0.000636	3.24154	0.000328	3.11982	0.000317	3.34893	0.000306
ENSG00000255126.1	CTD-2531D15.5	3.26258	0.032799	4.2475	0.019896	4.15546	0.019453	4.06984	0.020516
ENSG00000260578.1	CTD-2541J13.1	-0.9444	0.001203	-0.9646	0.001694	-1.2052	0.000317	-1.0729	0.000842
ENSG00000279117.1	CTD-2562J17.6	0.55545	0.000636	0.7015	0.000328	0.71218	0.000317	0.75582	0.000306

ENSG00000232442.1	CTD-3184A7.4	0.65457	0.017586	0.8038	0.00144	0.54114	0.037654	0.88085	0.000842
ENSG00000066032.18	CTNNA2	5.11127	0.000636	6.04734	0.000328	6.16335	0.000317	6.20163	0.000306
ENSG00000103811.15	CTSH	-0.7408	0.000636	-1.0445	0.000328	-1.1458	0.000317	-1.0648	0.000306
ENSG00000256043.2	CTSO	1.15052	0.000636	1.61563	0.000328	1.64538	0.000317	1.64722	0.000306
ENSG00000178531.5	CTXN1	-0.5848	0.014587	-0.6991	0.001184	-0.7375	0.000317	-0.7501	0.001335
ENSG00000111249.13	CUX2	2.3667	0.000636	3.01437	0.000328	3.06477	0.000317	3.05775	0.000306
ENSG00000121966.6	CXCR4	3.41515	0.000636	4.9254	0.000328	5.209	0.000317	5.20373	0.000306
ENSG00000147231.13	CXorf57	-1.4319	0.000636	-1.7987	0.000328	-1.4183	0.002116	-1.4932	0.000842
ENSG00000171604.11	CXXC5	-0.9815	0.000636	-1.0698	0.000328	-1.1466	0.000317	-1.1711	0.000306
ENSG00000166347.18	CYB5A	0.68964	0.000636	1.02187	0.000328	1.04326	0.000317	1.07048	0.000306
ENSG00000055163.19	CYFIP2	-0.5647	0.000636	-1.0733	0.000328	-0.9756	0.000317	-1.0312	0.000306
ENSG00000140459.17	CYP11A1	3.86714	0.000636	4.32975	0.000328	4.14692	0.000317	4.28976	0.000306
ENSG00000155016.17	CYP2U1	0.3962	0.013889	1.83477	0.000328	1.9086	0.000317	2.00716	0.000306
ENSG00000106258.13	CYP3A5	1.45847	0.000636	2.74348	0.000328	2.6471	0.000317	2.58871	0.000306
ENSG00000001630.15	CYP51A1	0.29919	0.017291	0.36951	0.002183	0.38492	0.001638	0.39702	0.001578
ENSG00000108669.16	CYTH1	0.87372	0.000636	1.57939	0.000328	1.58083	0.000317	1.64694	0.000306
ENSG00000196730.12	DAPK1	-1.1207	0.002716	-2.1635	0.000328	-2.7686	0.000317	-2.1532	0.000306
ENSG00000115866.10	DARS	0.28219	0.013548	0.42345	0.000328	0.41582	0.000317	0.44617	0.000306
ENSG00000155368.16	DBI	1.70199	0.000636	2.5378	0.000328	2.51903	0.000317	2.55907	0.000306
ENSG00000113758.13	DBN1	-0.5825	0.000636	-0.5173	0.000328	-0.5433	0.000317	-0.49	0.000306
ENSG00000137992.14	DBT	0.48245	0.00912	0.58341	0.000906	0.66899	0.000317	0.6337	0.000582
ENSG00000119599.16	DCAF4	0.57768	0.01178	0.70025	0.001184	0.81685	0.000317	0.8663	0.000306
ENSG00000143164.15	DCAF6	0.92394	0.000636	1.36902	0.000328	1.41597	0.000317	1.39005	0.000306
ENSG00000169738.7	DCXR	0.49724	0.000636	0.60533	0.000328	0.63113	0.000317	0.64582	0.000306
ENSG00000132437.17	DDC	-3.2864	0.000636	-4.9034	0.000328	-5.5151	0.000317	-5.5965	0.000306
ENSG00000168209.4	DDIT4	-0.62	0.000636	-0.7978	0.000328	-0.8806	0.000317	-0.9097	0.000306
ENSG00000204580.13	DDR1	-0.8247	0.000636	-0.8319	0.000328	-0.8575	0.000317	-0.667	0.001335
ENSG00000099977.13	DDT	1.08962	0.000636	1.25021	0.000328	1.28401	0.000317	1.28578	0.000306
ENSG00000107201.9	DDX58	-0.6144	0.000636	-0.9182	0.000328	-0.8999	0.000317	-0.9424	0.000306
ENSG00000186458.4	DEFB132	0.82365	0.000636	1.15899	0.000328	0.92159	0.000317	1.12042	0.000306
ENSG00000143753.12	DEGS1	1.50922	0.000636	2.41456	0.000328	2.42468	0.000317	2.45202	0.000306
ENSG00000213047.12	DENND1B	-1.2859	0.000636	-1.2906	0.000328	-1.4009	0.000317	-1.3485	0.000306
ENSG00000155792.9	DEPTOR	-1.0213	0.000636	-1.0468	0.000328	-1.0758	0.000317	-0.8622	0.000306
ENSG00000023697.12	DERA	-0.3527	0.035335	-0.7463	0.000328	-0.566	0.000604	-0.7755	0.000306
ENSG00000165325.13	DEUP1	2.04159	0.00223	1.36006	0.027282	1.39382	0.029467	1.37574	0.030375
ENSG00000105928.13	DFNA5	-0.9816	0.000636	-1.0768	0.000328	-1.2577	0.000317	-1.3955	0.000306
ENSG00000102780.16	DGKH	-0.5756	0.040176	-1.4002	0.000328	-1.2812	0.000317	-1.3118	0.000306
ENSG00000116133.11	DHCR24	1.74558	0.000636	2.48462	0.000328	2.5525	0.000317	2.62074	0.000306
ENSG00000172893.15	DHCR7	0.34489	0.007968	0.40456	0.000328	0.34828	0.00188	0.39328	0.000306
ENSG00000102967.11	DHODH	0.50518	0.004109	0.50343	0.007371	0.61333	0.003702	0.62453	0.000306
ENSG00000157379.13	DHRS1	0.60225	0.005022	0.89339	0.000328	1.04961	0.000317	1.05301	0.000306
ENSG00000100867.14	DHRS2	0.69415	0.000636	0.65626	0.000328	0.68577	0.000317	0.73841	0.000306
ENSG00000100612.13	DHRS7	1.40844	0.000636	1.69868	0.000328	1.7483	0.000317	1.72118	0.000306
ENSG00000174953.13	DHX36	-0.4074	0.008725	-0.6225	0.000328	-0.6159	0.000317	-0.661	0.000306
ENSG00000197406.7	DIO3	-1.8827	0.000636	-3.6858	0.002183	-3.122	0.000317	-2.3595	0.000306
ENSG00000160305.17	DIP2A	0.41789	0.002716	0.67242	0.000328	0.65377	0.000317	0.71075	0.000306
ENSG00000150672.16	DLG2	2.68033	0.000636	2.52657	0.000328	2.33506	0.000317	2.47584	0.000306
ENSG00000082458.11	DLG3	-0.5424	0.004109	-0.6127	0.002425	-0.6495	0.000317	-0.6069	0.002938
ENSG00000144355.14	DLX1	2.4762	0.000636	2.44312	0.000328	2.58708	0.000317	2.70342	0.000306
ENSG00000064195.7	DLX3	-2.4183	0.000636	-3.2406	0.000328	-3.0162	0.000317	-3.1816	0.000306
ENSG00000197587.10	DMBX1	-0.5463	0.000636	-1.3265	0.000328	-1.7225	0.000317	-1.6324	0.000306
ENSG00000136770.10	DNAJC1	1.67965	0.000636	1.74597	0.000328	1.77917	0.000317	1.68277	0.000306
ENSG00000108176.14	DNAJC12	0.40128	0.017291	0.7024	0.000328	0.78862	0.000317	0.79172	0.000306
ENSG00000102580.14	DNAJC3	0.39901	0.000636	1.00525	0.000328	1.06766	0.000317	1.1351	0.000306
ENSG00000116675.15	DNAJC6	-0.9999	0.018654	-1.0089	0.009169	-0.8036	0.014495	-0.8835	0.017111
ENSG00000105612.8	DNASE2	-0.516	0.000636	-0.574	0.000328	-0.4724	0.000317	-0.4456	0.001815
ENSG00000087470.17	DNM1L	0.84679	0.000636	1.37543	0.000328	1.38576	0.000317	1.36962	0.000306
ENSG00000107554.16	DNMBP	-0.5799	0.000636	-0.8171	0.000328	-0.7539	0.000317	-0.9753	0.000306
ENSG00000112667.12	DNPH1	0.28204	0.045663	0.41649	0.00144	0.46732	0.000881	0.49661	0.000306
ENSG00000147251.15	DOCK11	3.54668	0.000636	4.1071	0.000328	4.15918	0.000317	4.25984	0.000306
ENSG00000088538.12	DOCK3	-0.2689	0.04337	-0.3476	0.00594	-0.3876	0.001393	-0.4079	0.000582
ENSG00000107099.15	DOCK8	4.30657	0.000636	4.88253	0.000328	5.06634	0.000317	5.3391	0.000306
ENSG00000179085.7	DPM3	0.68408	0.000636	1.0498	0.000328	1.0681	0.000317	1.04627	0.000306
ENSG00000092964.17	DPYSL2	-0.9322	0.000636	-1.1685	0.000328	-1.2003	0.000317	-1.141	0.000306
ENSG00000157851.16	DPYSL5	-0.6461	0.010243	-1.25	0.000328	-1.3511	0.000317	-1.3968	0.000306
ENSG00000134755.14	DSC2	0.35854	0.000636	0.3157	0.003805	0.34902	0.001393	0.35464	0.001335
ENSG00000266729.5	DSG1-AS1	1.70986	0.005916	1.31323	0.034606	1.77427	0.002116	1.4033	0.018272
ENSG00000046604.12	DSG2	0.70347	0.000636	0.8411	0.000328	0.87263	0.000317	0.86467	0.000306
ENSG00000138101.18	DTNB	-0.5215	0.000636	-0.5103	0.000328	-0.5327	0.000317	-0.3948	0.003593
ENSG00000178498.15	DTX3	-1.4994	0.000636	-1.6386	0.000328	-1.6451	0.000317	-1.3983	0.000306
ENSG00000243701.5	DUBR	1.00729	0.000636	1.62051	0.000328	1.7505	0.000317	1.63788	0.000306
ENSG00000137857.17	DUOX1	2.44921	0.000636	2.21311	0.000328	2.1207	0.000317	3.12952	0.000306
ENSG00000120129.5	DUSP1	-0.6909	0.000636	-0.5233	0.000328	-0.565	0.000317	-0.4968	0.000306
ENSG00000198842.9	DUSP27	0.68508	0.000636	0.6901	0.000328	0.63531	0.000604	0.85043	0.000306
ENSG00000120875.8	DUSP4	2.21366	0.000636	2.22846	0.000328	2.22987	0.000317	2.23722	0.000306
ENSG00000138166.5	DUSP5	-1.7833	0.000636	-1.6697	0.000328	-2.1132	0.000317	-1.7804	0.000306
ENSG00000235316.1	DUSP8P5	0.62739	0.049223	1.35096	0.000328	1.52964	0.000317	1.62514	0.000306
ENSG00000244306.10	DUXAP10	0.90293	0.000636	1.21703	0.000328	1.1726	0.000317	1.19408	0.000306
ENSG00000225210.9	DUXAP9	0.83092	0.000636	1.0504	0.000328	1.01572	0.000317	1.02864	0.000306
ENSG00000146425.10	DYNLT1	-0.47	0.000636	-0.4063	0.002425	-0.4127	0.00114	-0.5257	0.000306
ENSG00000143479.15	DYRK3	-0.9465	0.000636	-1.5552	0.000328	-2.002	0.000317	-1.5679	0.000306
ENSG00000112242.14	E2F3	-0.3534	0.003189	-0.7933	0.000328	-0.7951	0.000317	-0.8722	0.000306

ENSG00000145088.8	EAF2	1.27393	0.000636	2.70585	0.000328	2.82875	0.000317	2.91184	0.000306
ENSG00000221818.8	EBF2	0.59829	0.00912	0.75545	0.000906	0.93558	0.000317	0.99364	0.000306
ENSG00000108001.13	EBF3	-0.7892	0.000636	-1.7626	0.000328	-1.7365	0.000317	-1.4728	0.000306
ENSG00000147155.10	EBP	0.57333	0.000636	0.61074	0.000328	0.62989	0.000317	0.68622	0.000306
ENSG00000123179.13	EBPL	0.63454	0.000636	0.79181	0.000328	0.76882	0.000317	0.78541	0.000306
ENSG00000198721.12	ECI2	1.00691	0.000636	1.74801	0.000328	1.70964	0.000317	1.75954	0.000306
ENSG00000158813.17	EDA	0.57594	0.016936	0.52151	0.02298	0.56275	0.011821	0.56674	0.012941
ENSG00000088298.12	EDEM2	0.29381	0.022361	0.87032	0.000328	0.92221	0.000317	1.04375	0.000306
ENSG00000116406.18	EDEM3	0.97647	0.000636	1.57581	0.000328	1.60555	0.000317	1.63847	0.000306
ENSG00000127129.9	EDN2	-2.0757	0.000636	-2.4705	0.000328	-3.0176	0.000317	-2.6983	0.000306
ENSG00000101210.10	EEF1A2	-0.5247	0.000636	-0.5423	0.000328	-0.523	0.000317	-0.4809	0.000842
ENSG00000229715.4	EEF1DP3	1.97755	0.01426	1.88878	0.009729	2.28366	0.00114	1.78552	0.015281
ENSG00000103319.11	EEF2K	0.66442	0.000636	1.48151	0.000328	1.50339	0.000317	1.55886	0.000306
ENSG00000172771.11	EFCAB12	1.76547	0.000636	2.4243	0.000328	2.3998	0.000317	2.44683	0.000306
ENSG00000143590.13	EFNA3	-0.7606	0.000636	-0.697	0.000622	-0.6524	0.001393	-0.5113	0.01225
ENSG00000090776.5	EFNB1	-0.3741	0.001724	-0.3865	0.002183	-0.4982	0.000317	-0.3918	0.003802
ENSG00000108947.4	EFNB3	-0.6082	0.000636	-0.5268	0.001944	-0.6251	0.000317	-0.4154	0.019245
ENSG00000084710.13	EFR3B	-1.5889	0.000636	-2.7947	0.000328	-2.5739	0.000317	-2.5258	0.000306
ENSG00000172889.15	EGFL7	-0.5346	0.000636	-0.5721	0.000328	-0.5736	0.000317	-0.4717	0.000306
ENSG00000146648.17	EGFR	0.72738	0.000636	1.14872	0.000328	1.09825	0.000317	1.1369	0.000306
ENSG00000129521.13	EGLN3	-1.091	0.000636	-2.0237	0.000328	-2.0809	0.000317	-2.0082	0.000306
ENSG00000113790.10	EHHADH	-1.2949	0.000636	-1.1279	0.000328	-1.7593	0.000317	-1.0586	0.003157
ENSG00000204371.11	EHMT2	-0.3741	0.00365	-0.5146	0.000328	-0.5772	0.000317	-0.5032	0.000306
ENSG00000114784.3	EIF1B	-0.5198	0.000636	-0.5943	0.000328	-0.5368	0.000604	-0.5108	0.001091
ENSG00000128829.11	EIF2AK4	0.68808	0.000636	0.51331	0.000328	0.5239	0.000317	0.56282	0.000306
ENSG00000084623.11	EIF3I	0.28763	0.011014	0.46923	0.000328	0.51988	0.000317	0.52565	0.000306
ENSG00000163412.12	EIF4E3	-1.0428	0.000636	-1.3927	0.000328	-1.238	0.000317	-1.3699	0.000306
ENSG00000075151.20	EIF4G3	-0.49	0.000636	-0.3299	0.017254	-0.4099	0.00114	-0.3853	0.003802
ENSG00000163435.15	ELF3	-1.4426	0.000636	-1.7033	0.000328	-1.6835	0.000317	-1.7588	0.000306
ENSG00000166897.14	ELFN2	-0.7266	0.005467	-0.9902	0.000328	-1.0698	0.00188	-0.9388	0.016262
ENSG00000158711.13	ELK4	1.84825	0.000636	2.33029	0.000328	2.44162	0.000317	2.34463	0.000306
ENSG00000118985.15	ELL2	2.44681	0.000636	3.45139	0.000328	3.49967	0.000317	3.53157	0.000306
ENSG00000011007.12	ELOA	0.28542	0.025486	0.3362	0.004258	0.39842	0.000604	0.3638	0.000306
ENSG00000154582.16	ELOC	0.3239	0.042044	0.62694	0.000328	0.58171	0.000317	0.60624	0.000306
ENSG00000066322.14	ELOVL1	0.46149	0.000636	0.91003	0.000328	0.95987	0.000317	0.99417	0.000306
ENSG00000197977.3	ELOVL2	4.07301	0.000636	4.83091	0.000328	5.15163	0.000317	4.94899	0.000306
ENSG00000118402.5	ELOVL4	0.51986	0.00365	0.7158	0.000328	0.60123	0.000317	0.87156	0.000306
ENSG00000012660.13	ELOVL5	1.8593	0.000636	2.51522	0.000328	2.56219	0.000317	2.55439	0.000306
ENSG00000164181.13	ELOVL7	3.12585	0.000636	3.64219	0.000328	3.6888	0.000317	3.7595	0.000306
ENSG00000125037.12	EMC3	0.44601	0.045392	0.98651	0.000328	0.90855	0.000317	1.02586	0.000306
ENSG00000134153.9	EMC7	0.38502	0.000636	0.71367	0.000328	0.74712	0.000317	0.68015	0.000306
ENSG00000125746.16	EML2	0.54886	0.025171	1.09997	0.000328	1.13166	0.000317	1.12539	0.000306
ENSG00000134531.9	EMP1	6.22099	0.000636	7.00595	0.000328	7.18043	0.000317	7.12803	0.000306
ENSG00000213853.9	EMP2	0.75558	0.000636	0.53545	0.009354	0.63518	0.00114	0.59557	0.004819
ENSG00000135638.13	EMX1	-2.2533	0.00223	-2.0468	0.020229	-3.7903	0.006801	-2.4924	0.007008
ENSG00000171617.13	ENC1	-1.2118	0.035564	-1.9065	0.006356	-1.7846	0.006397	-2.0085	0.013783
ENSG00000149218.4	ENDOD1	2.00146	0.000636	2.52965	0.000328	2.57158	0.000317	2.61703	0.000306
ENSG00000111674.8	ENO2	-1.4901	0.004576	-1.8339	0.011069	-1.8815	0.00114	-1.8567	0.011393
ENSG00000168032.8	ENTPD3	-1.6214	0.000636	-0.9133	0.003577	-1.0926	0.000317	-1.1035	0.000306
ENSG00000163508.12	EOMES	-1.0665	0.004576	-0.954	0.015832	-0.8957	0.037974	-1.1247	0.007751
ENSG00000278921.2	EPB41L4A-AS2	-2.2648	0.000636	-3.9596	0.030083	-3.2644	0.006397	-2.6725	0.000582
ENSG00000095203.14	EPB41L4B	0.57822	0.000636	0.93605	0.000328	1.00344	0.000317	1.01709	0.000306
ENSG00000115109.13	EPB41L5	-0.2978	0.036133	-0.3932	0.003124	-0.3563	0.009337	-0.3273	0.014125
ENSG00000142627.12	EPHA2	-0.7416	0.000636	-1.2012	0.000328	-1.0528	0.000317	-0.9535	0.004424
ENSG00000135333.13	EPHA7	0.69379	0.000636	1.11579	0.000328	1.14534	0.000317	1.14618	0.000306
ENSG00000133216.16	EPHB2	-0.8908	0.000636	-0.9825	0.000328	-0.952	0.000317	-1.0475	0.000306
ENSG00000196411.9	EPHB4	-0.509	0.001203	-0.601	0.000328	-0.6186	0.000317	-0.553	0.001335
ENSG00000143819.12	EPHX1	-0.6944	0.000636	-0.9495	0.000328	-0.9526	0.000317	-0.924	0.000306
ENSG00000120915.13	EPHX2	0.92548	0.000636	1.61065	0.000328	1.61736	0.000317	1.65672	0.000306
ENSG00000273604.1	EPOP	-0.352	0.001203	-0.7159	0.000328	-0.8757	0.000317	-0.8303	0.000306
ENSG00000187266.13	EPOR	0.3686	0.026412	0.67097	0.000328	0.65293	0.000317	0.73922	0.000306
ENSG00000151491.12	EPS8	-0.9617	0.000636	-1.7573	0.000328	-2.0348	0.000317	-1.3713	0.000306
ENSG00000131037.14	EPS8L1	1.30305	0.003189	2.10755	0.000328	1.78555	0.000317	2.18745	0.000306
ENSG00000113719.15	ERGIC1	0.37675	0.000636	0.40811	0.000328	0.4462	0.000317	0.47309	0.000306
ENSG00000087502.17	ERGIC2	0.441	0.028108	0.72483	0.000328	0.70468	0.000317	0.74715	0.000306
ENSG00000104714.13	ERICH1	0.5574	0.00365	0.72201	0.000906	0.65679	0.000317	0.72216	0.000306
ENSG00000164010.13	ERMAP	-0.5527	0.003189	-0.4946	0.009729	-0.4573	0.021086	-0.3961	0.04388
ENSG00000178607.15	ERN1	0.88811	0.002716	1.83374	0.000328	1.883	0.000317	1.96987	0.000306
ENSG00000197930.12	ERO1A	0.40057	0.019278	0.84822	0.000328	0.94389	0.000317	1.02359	0.000306
ENSG00000023318.7	ERP44	0.47811	0.000636	0.90117	0.000328	0.9246	0.000317	0.96256	0.000306
ENSG00000116285.12	ERRFI1	1.53827	0.000636	3.50631	0.000328	3.47325	0.000317	3.62886	0.000306
ENSG00000164089.8	ETNPPL	-1.4385	0.000636	-2.673	0.000328	-2.0997	0.000317	-2.0329	0.000306
ENSG00000134954.14	ETS1	-0.8524	0.035335	-1.6728	0.001694	-1.3133	0.001638	-1.2859	0.011904
ENSG00000162694.13	EXTL2	1.44694	0.000636	1.58633	0.000328	1.50101	0.000317	1.48466	0.000306
ENSG00000164251.4	F2RL1	1.94431	0.000636	2.58369	0.000328	2.58788	0.000317	2.67639	0.000306
ENSG00000198734.10	F5	5.07023	0.000636	5.7307	0.000328	5.79342	0.000317	5.76876	0.000306
ENSG00000103089.8	FA2H	-1.4416	0.000636	-1.8897	0.000328	-1.6766	0.000317	-1.8472	0.000306
ENSG00000103876.11	FAH	0.28612	0.043906	0.28544	0.033372	0.33909	0.005184	0.3207	0.007197
ENSG00000158234.12	FAIM	-0.3427	0.02268	-0.6594	0.000328	-0.6938	0.000317	-0.6411	0.000306
ENSG00000167106.11	FAM102A	-0.8103	0.000636	-1.1153	0.000328	-1.0171	0.000317	-1.0126	0.000306
ENSG00000162636.15	FAM102B	-0.2852	0.036133	-0.8859	0.000328	-0.8872	0.000317	-1.028	0.000306
ENSG00000145569.5	FAM105A	2.91775	0.000636	4.18596	0.000328	4.22013	0.000317	4.30068	0.000306

ENSG00000169122.11	FAM110B	2.50414	0.000636	3.01752	0.000328	3.018	0.000317	3.14114	0.000306
ENSG00000138439.11	FAM117B	-0.7339	0.000636	-0.8281	0.000328	-0.7569	0.000317	-0.9295	0.000306
ENSG00000185519.8	FAM131C	-1.5165	0.000636	-2.3088	0.000328	-2.7435	0.000317	-4.3333	0.041314
ENSG00000154153.13	FAM134B	-0.3867	0.001203	-0.661	0.000328	-0.6942	0.000317	-0.5325	0.002262
ENSG00000138640.14	FAM13A	0.7716	0.000636	0.93293	0.000328	0.89683	0.000317	0.9372	0.000306
ENSG00000248019.2	FAM13A-AS1	3.72372	0.008346	4.81484	0.000906	4.72352	0.003039	4.67919	0.000306
ENSG00000114023.15	FAM162A	0.73785	0.000636	1.05519	0.000328	1.09508	0.000317	1.07518	0.000306
ENSG00000154319.14	FAM167A	-1.5496	0.000636	-2.0602	0.000328	-2.265	0.000317	-2.2887	0.000306
ENSG00000148468.16	FAM171A1	-0.3854	0.014931	-0.5652	0.00144	-0.5622	0.000317	-0.6035	0.000306
ENSG00000161682.14	FAM171A2	-0.8651	0.000636	-1.1258	0.000328	-1.468	0.000317	-1.3537	0.000306
ENSG00000185442.12	FAM174B	1.59889	0.026722	2.29343	0.000328	2.04424	0.000881	1.98528	0.001578
ENSG00000135063.17	FAM189A2	0.84201	0.015617	2.01786	0.000328	1.79991	0.000317	2.01188	0.000306
ENSG00000164125.15	FAM198B	-1.6801	0.014587	-3.1726	0.000328	-3.1648	0.000317	-3.6752	0.000306
ENSG00000198673.10	FAM19A2	-1.6279	0.031335	-2.3449	0.00144	-2.2841	0.00114	-1.7727	0.017931
ENSG00000177706.8	FAM20C	-0.6749	0.018963	-1.2015	0.000328	-1.3212	0.008599	-1.2204	0.000306
ENSG00000084444.13	FAM234B	-0.5542	0.000636	-0.8461	0.000328	-0.8961	0.000317	-0.8553	0.000306
ENSG00000185112.5	FAM43A	0.35413	0.001203	0.8655	0.000328	0.85618	0.000317	0.9351	0.000306
ENSG00000215374.5	FAM66B	-0.6079	0.001203	-0.6056	0.002662	-0.7248	0.000317	-0.5447	0.004819
ENSG00000162981.13	FAM84A	-2.4891	0.000636	-2.5038	0.000328	-2.6413	0.000317	-2.5829	0.000306
ENSG00000180178.10	FAR2P1	4.48619	0.000636	4.74181	0.000328	4.74367	0.000317	5.2486	0.000306
ENSG00000178162.8	FAR2P2	2.49227	0.000636	3.18745	0.000328	3.07183	0.000317	2.85939	0.000306
ENSG00000240253.5	FAR2P3	3.32897	0.002716	2.97929	0.002425	3.94503	0.000604	3.33465	0.002042
ENSG00000169710.8	FASN	0.54392	0.001724	0.91834	0.000328	0.91939	0.000317	1.94088	0.000306
ENSG00000083857.13	FAT1	0.64307	0.000636	1.01597	0.000328	1.10169	0.000317	1.03449	0.000306
ENSG00000146267.11	FAXC	-0.5989	0.030491	-1.1797	0.000328	-0.8207	0.002816	-1.2208	0.000306
ENSG00000163520.13	FBLN2	-0.7554	0.031661	-0.9303	0.000328	-1.0154	0.000317	-1.1021	0.000306
ENSG00000166147.13	FBN1	2.41985	0.000636	1.95508	0.000328	1.98937	0.000317	1.87369	0.000306
ENSG00000112234.8	FBXL4	0.42639	0.00716	0.71936	0.000328	0.70753	0.000317	0.78234	0.000306
ENSG00000118564.14	FBXL5	0.39668	0.024569	0.42941	0.01262	0.48695	0.006012	0.41527	0.011904
ENSG00000183580.9	FBXL7	-0.7766	0.000636	-0.9471	0.000328	-0.9986	0.000317	-1.2287	0.000306
ENSG00000135722.8	FBXL8	0.71768	0.018654	1.23904	0.000328	1.13637	0.000317	1.19271	0.000306
ENSG00000116661.9	FBXO2	-2.2072	0.000636	-2.1925	0.000328	-2.0075	0.000317	-2.0429	0.000306
ENSG00000143756.11	FBXO28	0.70044	0.000636	1.07731	0.000328	1.09659	0.000317	1.08175	0.000306
ENSG00000145868.16	FBXO38	1.11994	0.000636	1.81941	0.000328	1.84069	0.000317	1.78839	0.000306
ENSG00000119402.16	FBXW2	0.44356	0.018963	0.73445	0.000328	0.72142	0.000317	0.72555	0.000306
ENSG00000132004.12	FBXW9	0.42004	0.000636	0.36365	0.003577	0.46686	0.000317	0.45813	0.000306
ENSG00000162746.14	FCRLB	0.72462	0.024249	0.87749	0.004687	0.64248	0.038946	1.12493	0.000306
ENSG00000079459.12	FDFT1	0.76132	0.000636	1.17731	0.000328	1.17941	0.000317	1.22857	0.000306
ENSG00000160752.14	FDPS	0.52007	0.000636	0.49761	0.000328	0.48585	0.000317	0.53122	0.000306
ENSG00000137714.2	FDX1	-0.3994	0.001724	-0.5927	0.000328	-0.615	0.000317	-0.645	0.000306
ENSG00000066926.10	FECH	0.77085	0.000636	1.28063	0.000328	1.33603	0.000317	1.35112	0.000306
ENSG00000145780.7	FEM1C	0.40755	0.000636	0.5401	0.000328	0.56837	0.000317	0.525	0.000306
ENSG00000163497.2	FEV	1.73064	0.029881	1.56511	0.036812	1.47936	0.048178	1.86876	0.011572
ENSG00000149557.12	FEZ1	-0.9031	0.000636	-0.9687	0.000328	-1.1725	0.000317	-1.0417	0.000306
ENSG00000102302.7	FGD1	-0.7715	0.020236	-1.1229	0.00144	-1.1453	0.000881	-1.2325	0.000582
ENSG00000139132.14	FGD4	0.7352	0.000636	1.80645	0.000328	1.80596	0.000317	1.88817	0.000306
ENSG00000129682.15	FGF13	-1.1534	0.000636	-1.2947	0.000328	-1.6203	0.000317	-1.2536	0.000306
ENSG00000105550.8	FGF21	-1.2322	0.000636	-2.2189	0.000328	-2.1346	0.000317	-2.5991	0.000306
ENSG00000068078.17	FGFR3	1.0804	0.000636	1.28109	0.000328	1.46556	0.000317	1.27635	0.000306
ENSG00000172456.17	FGGY	0.50933	0.041763	0.66528	0.002425	0.8719	0.000317	0.74549	0.000306
ENSG00000137460.8	FHDC1	1.03132	0.000636	1.7871	0.000328	1.83436	0.000317	1.84292	0.000306
ENSG00000022267.16	FHL1	-2.069	0.000636	-3.2158	0.000328	-3.5378	0.000317	-2.4148	0.000306
ENSG00000132436.11	FIGLN1	-0.7815	0.000636	-1.4693	0.000328	-1.5305	0.000317	-1.5246	0.000306
ENSG00000088832.16	FKBP1A	0.4437	0.000636	0.64047	0.000328	0.71646	0.000317	0.69941	0.000306
ENSG00000173486.12	FKBP2	0.36743	0.003189	0.75211	0.000328	0.77058	0.000317	0.79338	0.000306
ENSG00000096060.14	FKBP5	3.33265	0.000636	4.54311	0.000328	4.58674	0.000317	4.6343	0.000306
ENSG00000037280.15	FLT4	-0.9311	0.00365	-2.6526	0.000328	-2.3998	0.000317	-2.1068	0.000306
ENSG00000157827.19	FMN12	0.54419	0.024865	0.89568	0.000328	0.906	0.000604	0.94678	0.000306
ENSG00000176988.8	FMR1NB	0.29276	0.02268	0.5615	0.000328	0.66521	0.000317	0.69192	0.000306
ENSG00000115414.18	FN1	-1.279	0.000636	-1.9791	0.000328	-2.0853	0.000317	-2.0905	0.000306
ENSG00000052795.12	FNIP2	1.25893	0.000636	0.96867	0.000328	1.07142	0.000317	0.9898	0.000306
ENSG00000086205.16	FOLH1	-0.4697	0.001724	-0.4066	0.009729	-0.4232	0.002116	-0.3929	0.020371
ENSG00000186564.5	FOX2	-1.4303	0.000636	-2.3416	0.000328	-1.4457	0.000317	-2.2532	0.000306
ENSG00000237424.1	FOX2-AS1	-1.2063	0.000636	-2.3869	0.000328	-1.8132	0.000317	-1.8773	0.000306
ENSG00000170122.5	FOX4	0.9048	0.000636	1.91233	0.000328	2.07785	0.000317	2.13676	0.000306
ENSG00000139445.17	FOXN4	-1.1835	0.035564	-1.4828	0.045076	-2.2659	0.014142	-1.4745	0.040219
ENSG00000150907.7	FOXO1	0.64117	0.006762	0.8891	0.000328	0.92499	0.000317	0.89032	0.000306
ENSG00000118689.14	FOXO3	0.39877	0.000636	1.19121	0.000328	1.28941	0.000317	1.33887	0.000306
ENSG00000204060.6	FOXO6	-0.9181	0.000636	-2.4636	0.000328	-2.6932	0.000317	-2.4318	0.000306
ENSG00000137166.14	FOXp4	-0.4238	0.000636	-0.3762	0.000622	-0.3806	0.000317	-0.3235	0.002938
ENSG00000138759.18	FRAS1	-1.7087	0.004109	-1.4872	0.037376	-2.3232	0.009337	-1.9704	0.000582
ENSG00000111816.7	FRK	0.66878	0.000636	1.06661	0.000328	1.16167	0.000317	1.11393	0.000306
ENSG00000171877.20	FRMD5	-1.0402	0.000636	-1.7802	0.000328	-1.2315	0.006204	-1.9933	0.000306
ENSG00000170324.20	FRMPD2	-0.6552	0.033347	-2.3194	0.000328	-1.7216	0.001638	-2.2431	0.000306
ENSG00000073910.19	FRY	1.38472	0.000636	1.89683	0.000328	1.85808	0.000317	1.84284	0.000306
ENSG00000075618.17	FSCN1	-1.0674	0.000636	-2.0493	0.000328	-1.8861	0.000317	-2.026	0.000306
ENSG00000105255.10	FSD1	-1.1404	0.000636	-2.1962	0.000328	-1.7479	0.000317	-1.9835	0.000306
ENSG00000167996.15	FTH1	-0.8704	0.000636	-0.7114	0.000328	-0.9193	0.000317	-0.6124	0.013954
ENSG00000174951.10	FUT1	-0.4683	0.00949	-0.4923	0.003352	-0.4857	0.003256	-0.5392	0.000842
ENSG00000033170.16	FUT8	-0.4968	0.004576	-0.5909	0.00144	-0.6303	0.000317	-0.5843	0.002262
ENSG00000089356.18	FXYD3	1.36842	0.000636	2.07644	0.000328	2.07689	0.000317	2.10689	0.000306
ENSG00000089327.14	FXYD5	-1.8277	0.000636	-2.2488	0.000328	-1.0464	0.003039	-1.5741	0.000306

ENSG00000137726.16	FXDYD6	-1.3711	0.000636	-2.2225	0.000328	-1.4231	0.00114	-1.0666	0.013608
ENSG00000010810.17	FYN	-1.4701	0.000636	-2.4551	0.000328	-2.2847	0.000317	-2.3347	0.000306
ENSG00000180340.6	FZD2	-1.0506	0.000636	-0.7218	0.000328	-0.7849	0.000317	-0.8311	0.000306
ENSG00000163251.3	FZD5	1.46057	0.000636	2.54939	0.000328	2.64338	0.000317	2.73515	0.000306
ENSG00000164930.11	FZD6	-0.4411	0.000636	-0.778	0.000328	-0.8135	0.000317	-0.8302	0.000306
ENSG00000155760.2	FZD7	-0.9966	0.000636	-1.2797	0.000328	-1.128	0.000317	-1.0295	0.000306
ENSG00000177283.7	FZD8	1.26629	0.000636	2.64665	0.000328	2.60587	0.000317	2.74401	0.000306
ENSG00000141349.8	G6PC3	0.48077	0.000636	0.70116	0.000328	0.59875	0.000317	0.66795	0.000306
ENSG00000166206.14	GABRB3	0.59067	0.000636	0.94404	0.000328	1.05101	0.000317	1.0821	0.000306
ENSG00000182256.12	GABRG3	1.01514	0.000636	1.27892	0.000328	1.31574	0.000317	1.26968	0.000306
ENSG00000116717.11	GADD45A	-0.4476	0.000636	-0.6162	0.000328	-0.6595	0.000317	-0.6486	0.000306
ENSG00000275113.1	GAGE2E	#NAME?	0.000636	-0.8308	0.016189	#NAME?	0.000317	#NAME?	0.000306
ENSG00000117308.14	GALE	0.45963	0.000636	0.91205	0.000328	0.92316	0.000317	0.93221	0.000306
ENSG00000158089.14	GALNT14	-1.2863	0.000636	-1.2372	0.010901	-2.2684	0.000317	-1.4251	0.005022
ENSG00000115339.13	GALNT3	-1.1936	0.000636	-1.552	0.000328	-1.4946	0.000317	-1.5004	0.000306
ENSG00000109586.11	GALNT7	1.08195	0.000636	1.16811	0.000328	1.21299	0.000317	1.22519	0.000306
ENSG00000106105.13	GARS	-0.3741	0.000636	-0.59	0.000622	-0.6668	0.000317	-0.6753	0.000306
ENSG00000180447.6	GAS1	1.60072	0.000636	1.87385	0.000328	1.89151	0.000317	1.92178	0.000582
ENSG00000183087.14	GAS6	-0.4954	0.041763	-0.835	0.000906	-0.8126	0.000317	-0.8193	0.000306
ENSG00000233695.2	GAS6-AS1	-0.6249	0.012847	-1.0498	0.000328	-1.2022	0.000317	-1.2956	0.000306
ENSG00000179348.11	GATA2	-0.9598	0.000636	-1.322	0.000328	-1.2028	0.000317	-1.2555	0.000306
ENSG00000244300.2	GATA2-AS1	-0.8399	0.00716	-0.9181	0.00144	-0.9676	0.000604	-0.9029	0.002938
ENSG00000141448.8	GATA6	-0.6101	0.000636	-0.9464	0.000328	-0.8952	0.000317	-0.8159	0.000306
ENSG00000274070.1	GATSL2	-1.0083	0.000636	-0.9191	0.000328	-1.0917	0.000317	-0.8019	0.000306
ENSG00000239282.7	GATSL3	0.58324	0.00223	1.50979	0.000328	1.51798	0.000317	1.53039	0.000306
ENSG00000114480.12	GBE1	0.52751	0.000636	0.50962	0.000328	0.50828	0.000317	0.57107	0.000306
ENSG00000117228.9	GBP1	2.10536	0.000636	2.75249	0.000328	2.8349	0.000317	3.06407	0.000306
ENSG00000001084.10	GCCLC	0.72624	0.016936	1.25623	0.000328	1.13714	0.000317	1.14143	0.000306
ENSG00000187210.12	GCNT1	1.00821	0.002716	0.79649	0.030083	0.79206	0.030514	0.6913	0.048112
ENSG00000111846.16	GCNT2	0.86899	0.04337	1.94465	0.000328	1.95911	0.000317	2.15997	0.000306
ENSG00000130513.6	GDF15	-0.6226	0.000636	-0.6596	0.000328	-0.6564	0.000317	-0.5868	0.000306
ENSG00000153982.10	GDPD1	-0.7323	0.000636	-0.9865	0.000328	-1.0912	0.000317	-1.1614	0.000306
ENSG00000046647.13	GEMIN8	0.48769	0.000636	0.39712	0.004687	0.39651	0.005597	0.47371	0.002042
ENSG00000168827.14	GFM1	0.97183	0.000636	1.78043	0.000328	1.81971	0.000317	1.86177	0.000306
ENSG00000137563.11	GGH	-0.3653	0.008346	-0.835	0.000328	-0.8527	0.000317	-0.906	0.000306
ENSG00000167925.15	GHDC	0.64891	0.004109	1.16766	0.000328	1.00275	0.000317	1.09663	0.000306
ENSG00000112964.13	GHR	0.6197	0.000636	1.20787	0.000328	1.24915	0.000317	1.3136	0.000306
ENSG00000106128.18	GHRHR	Inf	0.000636	Inf	0.000328	Inf	0.000317	Inf	0.000306
ENSG00000178445.9	GLDC	-0.7034	0.001203	-1.132	0.000328	-1.2956	0.000317	-1.2397	0.000306
ENSG00000074047.21	GLI2	-2.4308	0.026079	-3.7753	0.000328	-3.3238	0.000604	-4.5021	0.000306
ENSG00000122694.15	GLIPR2	0.74929	0.000636	1.07376	0.000328	1.1059	0.000317	1.0307	0.000306
ENSG00000126603.8	GLIS2	-1.4915	0.000636	-1.5938	0.000328	-1.7719	0.000317	-1.5675	0.000306
ENSG00000198715.11	GLMP	1.13549	0.000636	2.15399	0.000328	2.27165	0.000317	2.33518	0.000306
ENSG00000023572.8	GLRX2	1.21883	0.000636	1.31277	0.000328	1.36862	0.000317	1.37083	0.000306
ENSG00000135423.12	GLS2	-0.9553	0.000636	-1.1991	0.000328	-1.2375	0.009698	-1.5143	0.000582
ENSG00000139433.9	GLTP	-0.5235	0.000636	-0.4348	0.000328	-0.3728	0.001638	-0.3601	0.000842
ENSG00000105373.18	GLTSCR2	-0.3166	0.009854	-0.3393	0.003805	-0.3726	0.00114	-0.3603	0.001335
ENSG00000148672.8	GLUD1	1.06004	0.000636	1.64159	0.000328	1.6715	0.000317	1.69933	0.000306
ENSG00000166840.13	GLYATL1	0.57854	0.000636	0.53019	0.002183	0.55999	0.001393	0.57228	0.000582
ENSG00000101216.10	GMEB2	-0.2962	0.014587	-0.3855	0.000622	-0.2881	0.016405	-0.2792	0.0176
ENSG00000205835.8	GMNC	2.32984	0.000636	3.31109	0.000328	2.96371	0.000317	3.31041	0.000306
ENSG00000127955.15	GNAI1	0.71558	0.003189	1.02103	0.000328	0.99511	0.000317	0.95728	0.000306
ENSG00000065135.10	GNAI3	0.46079	0.001203	0.54641	0.000328	0.55041	0.000317	0.5737	0.000306
ENSG00000128266.8	GNAZ	-0.602	0.000636	-0.9351	0.000328	-0.8032	0.000317	-0.8765	0.000306
ENSG00000114450.9	GNB4	1.72198	0.000636	1.34803	0.000328	1.61898	0.000317	1.51003	0.000306
ENSG00000168243.10	GNG4	-0.4677	0.00365	-1.1457	0.000328	-1.167	0.000317	-1.1596	0.000306
ENSG00000124713.5	GNMT	3.58378	0.000636	5.28751	0.000328	5.33167	0.000317	5.41451	0.000306
ENSG00000147437.9	GNRH1	1.45779	0.010622	1.73635	0.001694	1.80392	0.000317	1.2858	0.019084
ENSG00000144674.16	GOLGA4	0.52905	0.000636	1.03022	0.000328	1.05731	0.000317	1.04285	0.000306
ENSG00000230373.8	GOLGA6L5P	-0.5268	0.017944	-0.465	0.036812	-0.7926	0.000881	-0.7844	0.000306
ENSG00000173230.15	GOLGB1	0.45355	0.000636	0.97294	0.000328	0.97862	0.000317	0.81688	0.000306
ENSG00000173905.8	GOLIM4	-0.3849	0.001203	-0.7141	0.000328	-0.6537	0.000317	-0.7695	0.000306
ENSG00000135052.16	GOLM1	0.51193	0.000636	0.65374	0.000328	0.69842	0.000317	0.71878	0.000306
ENSG00000113384.13	GOLPH3	0.35578	0.000636	0.86825	0.000328	0.85234	0.000317	0.90959	0.000306
ENSG00000125166.12	GOT2	0.46953	0.000636	0.77789	0.000328	0.83279	0.000317	0.84178	0.000306
ENSG00000213420.7	GPC2	-0.797	0.000636	-1.31	0.000328	-1.236	0.000317	-1.3156	0.000306
ENSG00000147257.13	GPC3	-0.6599	0.003189	-1.2207	0.000328	-1.1035	0.000317	-1.1705	0.000306
ENSG00000183098.10	GPC6	1.57167	0.000636	1.04931	0.009169	1.08787	0.003256	1.31815	0.000306
ENSG00000152642.10	GPD1L	0.66588	0.000636	0.73828	0.000328	0.81588	0.000317	0.96041	0.000306
ENSG00000151025.9	GPR158	2.08587	0.000636	2.33013	0.000328	2.3697	0.000317	2.35937	0.000306
ENSG00000173890.16	GPR160	-0.7712	0.000636	-1.0901	0.000328	-1.2	0.000317	-1.1447	0.000306
ENSG00000143147.14	GPR161	-0.605	0.000636	-0.7627	0.000328	-0.702	0.000317	-0.6572	0.000306
ENSG00000277399.4	GPR179	-3.2073	0.002716	-3.6127	0.000328	-3.0283	0.00188	-3.7562	0.001815
ENSG00000152749.7	GPR180	0.61983	0.000636	0.65474	0.000328	0.65001	0.000317	0.60092	0.000306
ENSG00000170775.2	GPR37	0.39002	0.005022	0.42027	0.003124	0.37707	0.013441	0.4954	0.001335
ENSG00000112218.8	GPR63	-0.91	0.000636	-1.4464	0.000328	-1.5935	0.000317	-1.4429	0.000306
ENSG00000188092.14	GPR89B	0.44168	0.037817	0.56999	0.000622	0.49983	0.004135	0.52315	0.003157
ENSG00000160360.12	GPSM1	-0.3027	0.024865	-0.3101	0.021685	-0.3585	0.004135	-0.3281	0.008891
ENSG00000106070.17	GRB10	-1.8889	0.000636	-1.9523	0.000328	-1.9787	0.000317	-1.936	0.000306
ENSG00000196208.13	GREB1	1.95549	0.000636	2.6062	0.000328	2.77215	0.000317	2.76774	0.000306
ENSG00000198873.11	GRK5	-1.2677	0.000636	-2.2162	0.000328	-1.6266	0.000317	-1.8077	0.000306
ENSG00000133937.4	GSC	-0.4641	0.019278	-1.2716	0.000328	-1.0408	0.000317	-1.2205	0.000306

ENSG00000131149.18	GSE1	-0.496	0.044388	-0.7177	0.001944	-0.6714	0.00114	-0.6422	0.007751
ENSG00000103342.12	GSPT1	0.31542	0.01426	0.4727	0.000328	0.49578	0.000317	0.51724	0.000306
ENSG00000104687.12	GSR	0.65969	0.000636	0.969	0.000328	0.98932	0.000317	1.01954	0.000306
ENSG00000243955.5	GSTA1	-0.857	0.000636	-1.3501	0.000328	-1.2735	0.000317	-1.1869	0.000306
ENSG00000170899.10	GSTA4	0.37525	0.00912	0.71028	0.000328	0.7362	0.000317	0.66036	0.000306
ENSG00000138780.14	GSTCD	0.92477	0.000636	0.64984	0.000328	0.78646	0.000317	0.77886	0.000306
ENSG00000197265.8	GTF2E2	0.66757	0.000636	1.26372	0.000328	1.3201	0.000317	1.32496	0.000306
ENSG00000226259.10	GTF2H2B	-0.4159	0.001203	-0.6019	0.000328	-0.6315	0.000317	-0.6164	0.000306
ENSG00000277053.4	GTF2IP1	-0.8332	0.000636	-0.7049	0.000328	-0.6585	0.000317	-0.7764	0.000306
ENSG00000233369.7	GTF2IP4	-1.0432	0.000636	-1.0955	0.000328	-0.9365	0.000317	-0.9926	0.000306
ENSG00000006704.10	GTF2IRD1	-0.4433	0.005022	-0.6564	0.000328	-0.7273	0.000317	-0.7277	0.000306
ENSG00000196275.13	GTF2IRD2	-1.2083	0.000636	-0.9716	0.002425	-0.9465	0.002583	-1.0475	0.006421
ENSG00000155115.6	GTF3C6	0.29435	0.00716	0.6259	0.000328	0.58384	0.000317	0.63342	0.000306
ENSG00000138867.16	GUCD1	0.59569	0.000636	0.91391	0.000328	0.92576	0.000317	1.00325	0.000306
ENSG00000164116.16	GUCY1A3	0.66744	0.000636	0.85207	0.000328	0.87317	0.000317	0.89608	0.000306
ENSG00000143774.16	GUK1	0.33497	0.012136	0.66577	0.000328	0.6918	0.000317	0.76214	0.000306
ENSG00000183666.16	GUSBP1	-1.9376	0.000636	-2.9194	0.000328	-2.682	0.000317	-2.9643	0.000306
ENSG00000241549.8	GUSBP2	-1.1574	0.000636	-1.5388	0.000328	-1.6192	0.000317	-1.4767	0.000306
ENSG00000253203.6	GUSBP3	-1.2663	0.000636	-1.7785	0.000328	-1.3977	0.000317	-1.7518	0.000306
ENSG00000215630.6	GUSBP9	-0.4673	0.04337	-0.5337	0.015125	-0.5384	0.011308	-0.7964	0.000306
ENSG00000104812.14	GYS1	0.34523	0.013202	0.74569	0.000328	0.75135	0.000317	0.91897	0.000306
ENSG00000099284.13	H2AFY2	-0.4628	0.000636	-0.8727	0.000328	-0.8496	0.000317	-0.8431	0.000306
ENSG00000163041.9	H3F3A	-0.3614	0.001203	-0.3972	0.000328	-0.4188	0.000317	-0.3792	0.001091
ENSG00000206527.9	HACD2	0.44036	0.000636	0.46765	0.000328	0.47503	0.000317	0.48664	0.000306
ENSG00000140511.11	HAPLN3	-0.8356	0.001724	-0.9919	0.000328	-1.2082	0.000317	-0.9082	0.002938
ENSG00000113070.7	HBEGF	-0.5358	0.000636	-0.5734	0.000328	-0.6005	0.000317	-0.5129	0.000306
ENSG00000051620.10	HEBP2	1.08907	0.000636	1.45625	0.000328	1.45815	0.000317	1.48306	0.000306
ENSG00000112406.4	HECA	-0.4931	0.000636	-0.3241	0.012443	-0.3874	0.003915	-0.3712	0.002938
ENSG00000173706.12	HEG1	-1.0558	0.000636	-0.9493	0.001944	-0.9968	0.000317	-1.385	0.000306
ENSG00000138641.15	HERC3	2.12237	0.000636	2.96253	0.000328	3.04765	0.000317	3.06902	0.000306
ENSG00000148634.15	HERC4	0.67679	0.001203	1.11531	0.000328	1.07778	0.000317	1.08668	0.000306
ENSG00000138646.8	HERC5	2.0333	0.000636	2.85592	0.000328	2.92092	0.000317	2.94722	0.000306
ENSG00000138642.14	HERC6	1.19661	0.000636	1.8331	0.000328	1.81938	0.000317	1.91693	0.000306
ENSG00000114315.3	HES1	1.22781	0.000636	1.57529	0.000328	1.31157	0.000317	1.63748	0.000306
ENSG00000144485.10	HES6	2.68966	0.000636	3.75955	0.000328	3.75033	0.000317	3.84704	0.000306
ENSG00000213614.9	HEXA	0.27771	0.045915	0.63738	0.000328	0.63929	0.000317	0.59034	0.000306
ENSG00000010704.18	HFE	-1.3577	0.004109	-1.1226	0.001184	-1.5046	0.000604	-1.636	0.000306
ENSG00000113924.11	HGD	0.85938	0.000636	1.52215	0.000328	1.40358	0.000317	1.80274	0.000306
ENSG00000198130.15	HIBCH	0.56853	0.000636	1.59173	0.000328	1.56953	0.000317	1.6174	0.000306
ENSG00000181061.13	HIGD1A	0.30445	0.00912	0.54816	0.000328	0.53501	0.000317	0.55623	0.000306
ENSG00000169567.11	HINT1	0.31833	0.016627	0.54594	0.000328	0.5338	0.000317	0.51707	0.000306
ENSG00000130787.13	HIP1R	-0.4864	0.000636	-0.5599	0.001694	-0.5619	0.000317	-0.5699	0.000306
ENSG00000064393.15	HIPK2	0.86762	0.000636	1.34307	0.000328	1.44105	0.000317	1.46759	0.000306
ENSG00000187837.3	HIST1H1C	0.88465	0.000636	1.50334	0.000328	1.55517	0.000317	1.55459	0.000306
ENSG00000197903.7	HIST1H2BK	0.4645	0.000636	0.73953	0.000328	0.91748	0.000317	1.14766	0.000306
ENSG00000282988.1	HIST1H3D	0.52482	0.015617	2.04659	0.000328	2.00958	0.000317	2.06426	0.000306
ENSG00000276180.1	HIST1H4I	1.09223	0.037052	1.41602	0.003352	1.35246	0.005184	1.95268	0.001091
ENSG00000095951.16	HIVEP1	0.87575	0.007968	0.75468	0.02138	0.74724	0.021086	0.72146	0.030971
ENSG00000156515.21	HK1	0.586	0.000636	1.07667	0.000328	1.1355	0.000317	1.1972	0.000306
ENSG00000159399.9	HK2	0.56408	0.000636	0.39906	0.000328	0.44346	0.000317	0.50671	0.000306
ENSG00000206503.12	HLA-A	-0.7272	0.000636	-0.9071	0.000328	-0.8873	0.000317	-0.8622	0.000306
ENSG00000204287.13	HLA-DRA	-2.2333	0.000636	-3.9167	0.000906	-3.2716	0.000604	-2.2303	0.000306
ENSG00000137309.19	HMGA1	-0.3332	0.010243	-0.4803	0.000328	-0.4886	0.000317	-0.4731	0.000306
ENSG00000113161.15	HMGCR	0.88533	0.000636	1.36311	0.000328	1.34597	0.000317	1.46338	0.000306
ENSG00000112972.14	HMGCS1	1.16815	0.000636	1.98664	0.000328	2.07736	0.000317	2.13873	0.000306
ENSG00000134240.11	HMGCS2	-1.4497	0.000636	-0.9739	0.000328	-0.9083	0.000317	-0.8516	0.000306
ENSG00000275410.4	HNF1B	-0.5129	0.000636	-0.4289	0.018584	-0.4052	0.015035	-0.4342	0.004819
ENSG00000236569.3	HNRNPA1P73	#NAME?	0.000636	#NAME?	0.000328	#NAME?	0.000317	#NAME?	0.000306
ENSG00000103942.12	HOMER2	1.33395	0.046669	2.1948	0.000328	2.18403	0.000317	2.42619	0.000306
ENSG00000253293.4	HOXA10	-0.9278	0.000636	-0.8808	0.000328	-1.2934	0.000317	-0.9421	0.000306
ENSG00000240990.9	HOXA11-AS	-0.9139	0.004576	-1.0542	0.01495	-1.4585	0.000317	-1.5699	0.000306
ENSG00000159184.7	HOXB13	-0.3427	0.001724	-0.3226	0.001694	-0.3364	0.000881	-0.2827	0.018091
ENSG00000108511.9	HOXB6	-0.7705	0.004109	-0.9873	0.000328	-0.7565	0.003915	-0.8898	0.003377
ENSG00000170689.9	HOXB9	-0.9689	0.000636	-1.7304	0.000328	-1.6803	0.000317	-1.6675	0.000306
ENSG00000123407.3	HOXC12	-0.9006	0.000636	-1.1661	0.000328	-1.1929	0.000317	-1.2919	0.000306
ENSG00000123364.4	HOXC13	-1.1367	0.000636	-0.9614	0.000328	-0.952	0.000317	-1.2114	0.000306
ENSG00000249641.2	HOXC13-AS	-1.945	0.000636	-1.6988	0.000328	-1.9169	0.000317	-1.8092	0.000306
ENSG00000180806.4	HOXC9	-1.5228	0.000636	-1.6358	0.00594	-1.784	0.000317	-1.837	0.000306
ENSG00000116983.12	HPCAL4	-1.0886	0.000636	-2.1513	0.000328	-2.1433	0.000317	-2.5256	0.000306
ENSG00000164120.13	HPGD	6.26284	0.000636	7.48106	0.000328	7.56646	0.000317	7.60128	0.000306
ENSG00000110169.10	HPX	1.20008	0.016299	1.93818	0.000328	2.3398	0.000317	1.53422	0.001091
ENSG00000168453.14	HR	-1.5337	0.020495	-3.1191	0.000328	-2.6598	0.000317	-2.826	0.000306
ENSG00000101180.15	HRH3	1.1957	0.021404	1.59802	0.000622	1.28963	0.006012	1.26966	0.01048
ENSG00000135116.9	HRK	-1.7537	0.000636	-2.9244	0.000328	-3.3851	0.000317	-3.0256	0.000306
ENSG00000171004.18	HS6ST2	-1.6114	0.000636	-1.9777	0.000328	-1.9223	0.000317	-1.9994	0.000306
ENSG00000176387.6	HSD11B2	-0.5102	0.005467	-1.0547	0.000328	-1.0917	0.000317	-1.0432	0.000306
ENSG00000198189.10	HSD17B11	1.1881	0.000636	2.33336	0.000328	2.31143	0.000317	2.4112	0.000306
ENSG00000204228.3	HSD17B8	0.35074	0.004109	0.5505	0.000328	0.48793	0.000317	0.58008	0.000306
ENSG00000164070.11	HSPA4L	-0.6295	0.000636	-1.3901	0.000328	-1.372	0.000317	-1.2586	0.000306
ENSG00000142798.17	HSPG2	-0.4878	0.025171	-1.0593	0.000328	-1.0411	0.000317	-1.1108	0.000306
ENSG00000166736.11	HTR3A	2.01371	0.000636	1.40495	0.000328	1.44968	0.000317	1.3665	0.000306
ENSG00000166033.11	HTRA1	-0.79	0.000636	-1.4389	0.000328	-1.4637	0.000317	-1.5887	0.000306

ENSG00000136273.11	HUS1	0.7151	0.000636	1.06843	0.000328	1.18034	0.000317	1.1049	0.000306
ENSG00000114378.16	HYAL1	1.32203	0.000636	2.21138	0.000328	2.16777	0.000317	2.21668	0.000306
ENSG00000067704.9	IARS2	0.39034	0.000636	0.40727	0.000328	0.41242	0.000317	0.39688	0.000582
ENSG00000163596.16	ICA1L	-1.0837	0.001203	-1.0879	0.011658	-1.0332	0.006397	-1.3829	0.000306
ENSG00000117318.8	ID3	-1.25	0.000636	-1.6029	0.000328	-1.4434	0.000317	-1.5558	0.000306
ENSG00000172201.11	ID4	0.64957	0.003189	1.00545	0.000328	1.11358	0.000317	1.15669	0.000306
ENSG00000067064.10	ID11	0.64479	0.00223	1.03955	0.000328	0.96961	0.000317	1.01867	0.000306
ENSG00000160888.6	IER2	-0.4162	0.00223	-0.6631	0.000328	-0.6004	0.000317	-0.5607	0.000306
ENSG00000162783.10	IER5	-0.3626	0.000346	-1.0445	0.000328	-1.1507	0.000317	-1.1974	0.000306
ENSG00000188483.7	IER5L	-1.9924	0.000636	-1.8037	0.000328	-2.1934	0.000317	-1.9521	0.000306
ENSG00000165948.10	IFI27L1	0.81191	0.001203	0.94206	0.000328	0.81619	0.00188	0.9206	0.000306
ENSG00000119632.3	IFI27L2	-2.7715	0.000636	-2.5062	0.000328	-2.5011	0.000317	-2.6809	0.000306
ENSG00000068079.7	IFI35	-0.5832	0.000636	-0.7462	0.000328	-0.7047	0.000317	-0.5783	0.00422
ENSG00000137965.10	IFI44	-0.6995	0.000636	-0.9007	0.000328	-1.3101	0.000317	-1.0238	0.000306
ENSG00000119922.9	IFIT2	-0.7811	0.033613	-1.5217	0.00144	-1.874	0.000317	-1.6121	0.000842
ENSG00000152778.8	IFIT5	-0.5744	0.000636	-1.0794	0.000328	-1.1073	0.000317	-1.1352	0.000306
ENSG00000185201.16	IFITM2	1.82641	0.001724	1.99451	0.000622	2.11188	0.000317	2.21546	0.000582
ENSG00000027697.13	IFNGR1	0.36336	0.007968	0.59852	0.000328	0.67188	0.000317	0.59043	0.000306
ENSG00000114446.4	IFT57	0.41288	0.038065	0.35369	0.044263	0.3815	0.029311	0.38202	0.04376
ENSG00000122970.15	IFT81	-0.4247	0.005467	-0.7978	0.000328	-0.7081	0.000317	-0.6615	0.000306
ENSG00000140443.13	IGF1R	2.44313	0.000636	3.03889	0.000328	3.41511	0.000317	3.43288	0.000306
ENSG00000146674.14	IGFBP3	-1.0039	0.000636	-0.3902	0.013343	-0.4375	0.003256	-0.3411	0.030239
ENSG00000115461.4	IGFBP5	-1.6962	0.000636	-2.0969	0.000328	-2.3873	0.000317	-2.1806	0.000306
ENSG00000182700.4	IGIP	-0.3399	0.016299	-0.342	0.014065	-0.4884	0.000317	-0.4005	0.003377
ENSG00000085552.16	IGSF9	-0.753	0.000636	-1.5215	0.000328	-1.5281	0.000317	-1.6402	0.000306
ENSG00000243646.9	IL10RB	0.71734	0.001203	1.28941	0.000328	1.33804	0.000317	1.36392	0.000306
ENSG00000115594.11	IL1R1	0.47728	0.014587	0.62177	0.000328	0.62445	0.000317	0.68306	0.000306
ENSG00000136689.18	IL1RN	-1.4788	0.000636	-2.4695	0.000328	-2.1723	0.000317	-2.2015	0.000306
ENSG00000104998.3	IL27RA	-1.4865	0.000636	-2.7485	0.000328	-2.9603	0.000317	-2.85	0.000306
ENSG00000077238.13	IL4R	-0.772	0.00365	-0.9118	0.000328	-0.8065	0.000604	-0.9723	0.000306
ENSG00000160712.12	IL6R	0.83675	0.000636	1.42973	0.000328	1.4078	0.000317	1.57758	0.000306
ENSG00000141401.11	IMPA2	0.54676	0.000636	0.46938	0.000328	0.43573	0.000317	0.52038	0.000306
ENSG00000106348.16	IMPDH1	0.56899	0.000636	1.01171	0.000328	1.07272	0.000317	1.1121	0.000306
ENSG00000111653.19	ING4	0.36003	0.016627	0.85174	0.000328	0.95157	0.000317	1.04883	0.000306
ENSG00000139269.2	INHBE	-1.5022	0.002716	-2.3459	0.000328	-2.8645	0.000317	-2.3095	0.001091
ENSG00000109452.12	INPP4B	3.15563	0.000636	3.68841	0.000328	3.68335	0.000317	3.78477	0.000306
ENSG00000068383.18	INPP5A	-0.456	0.000636	-0.4958	0.000328	-0.4483	0.003256	-0.4039	0.005022
ENSG00000185133.13	INPP5J	-0.9944	0.000636	-1.0653	0.000328	-1.1675	0.000317	-1.3454	0.000306
ENSG00000186480.12	INSIG1	0.68625	0.000636	0.99512	0.000328	0.94221	0.000317	1.04948	0.000306
ENSG00000104613.11	INTS10	0.58518	0.004109	0.88582	0.000328	1.5241	0.016084	1.07996	0.000306
ENSG00000138785.14	INTS12	0.72012	0.001724	0.91129	0.000328	0.91953	0.000317	0.94517	0.000306
ENSG00000161896.11	IP6K3	1.11987	0.000636	1.74053	0.000328	1.80472	0.000317	1.95051	0.000306
ENSG00000145703.15	IQGAP2	3.09115	0.000636	3.87466	0.000328	3.87271	0.000317	3.91355	0.000306
ENSG00000168264.10	IRF2BP2	-0.7873	0.000636	-1.1044	0.000328	-1.0202	0.000317	-1.0059	0.000306
ENSG00000119669.4	IRF2BPL	-0.593	0.000636	-0.6644	0.000328	-0.7047	0.000317	-0.7171	0.000306
ENSG00000128604.19	IRF5	-0.5637	0.002716	-0.6056	0.000622	-0.5647	0.000317	-0.4754	0.040896
ENSG00000169047.5	IRS1	0.95062	0.000636	1.41285	0.000328	1.40805	0.000317	1.35482	0.000306
ENSG00000185950.8	IRS2	1.46989	0.000636	2.33642	0.000328	2.25879	0.000317	2.39978	0.000306
ENSG00000170561.12	IRX2	-0.5497	0.001203	-0.9501	0.000328	-0.6478	0.000604	-0.5596	0.002262
ENSG00000177508.11	IRX3	-0.758	0.000636	-1.0008	0.000328	-1.0928	0.000317	-0.9005	0.000306
ENSG00000176842.14	IRX5	-0.9845	0.000636	-1.4426	0.000328	-1.3474	0.000317	-1.4109	0.000306
ENSG00000135070.14	ISCA1	0.39072	0.000636	0.38127	0.000906	0.45305	0.000317	0.43691	0.000306
ENSG00000159556.9	ISL2	-0.9039	0.000636	-0.7027	0.00877	-0.9351	0.000317	-0.6968	0.000582
ENSG00000063241.7	ISOC2	0.61745	0.000636	0.7678	0.000328	0.71488	0.000317	0.76555	0.000306
ENSG00000175329.12	ISX	0.56299	0.019278	0.61848	0.008572	0.84766	0.000317	0.71609	0.001578
ENSG00000005884.17	ITGA3	-0.7598	0.007566	-1.0465	0.000328	-1.0932	0.000317	-0.6969	0.022831
ENSG00000005844.17	ITGAL	1.56896	0.000636	2.05789	0.000328	1.91998	0.000317	1.97185	0.000306
ENSG00000138448.11	ITGAV	0.51054	0.020236	1.32247	0.000328	1.46113	0.000317	1.44123	0.000306
ENSG00000132470.13	ITGB4	-1.789	0.000636	-1.7128	0.031725	-1.9408	0.00188	-2.6708	0.000306
ENSG00000100605.16	ITPK1	-0.5667	0.00223	-0.5039	0.010713	-0.4989	0.006801	-0.4016	0.041314
ENSG00000143772.9	ITPKB	-0.3008	0.019937	-0.478	0.000328	-0.4921	0.000317	-0.441	0.000306
ENSG00000101384.11	JAG1	1.08789	0.000636	1.47615	0.000328	1.5398	0.000317	1.52884	0.000306
ENSG00000096968.13	JAK2	-0.5891	0.000636	-0.472	0.017254	-0.4694	0.020434	-0.5428	0.001335
ENSG00000152969.17	JAKMIP1	-0.9576	0.000636	-1.3096	0.000328	-1.2482	0.000317	-1.0834	0.000306
ENSG00000008083.13	JARID2	-0.3689	0.001203	-0.3983	0.000328	-0.3906	0.000317	-0.3216	0.005232
ENSG00000070495.14	JMJD6	0.28593	0.044388	0.65129	0.000328	0.63133	0.000317	0.68741	0.000306
ENSG00000160145.15	KALRN	-0.6528	0.030162	-0.9752	0.009354	-1.1395	0.000317	-0.8511	0.007008
ENSG00000144445.16	KANSL1L	1.26643	0.000636	1.87217	0.000328	1.74122	0.000317	1.77701	0.000306
ENSG00000170852.10	KBTBD2	-0.5085	0.00223	-0.5831	0.000328	-0.6907	0.000317	-0.6699	0.002262
ENSG00000069424.14	KCNAB2	-0.4557	0.036133	-0.8487	0.000328	-0.7896	0.000317	-0.7486	0.004819
ENSG00000184408.9	KCND2	2.07496	0.000636	2.0193	0.000328	1.7209	0.000317	2.12117	0.000306
ENSG00000026559.13	KCNG1	-0.6373	0.000636	-0.6623	0.000328	-0.7775	0.000317	-0.6683	0.000306
ENSG00000115041.12	KCNIP3	-0.919	0.001724	-1.0275	0.000328	-1.019	0.000317	-0.9835	0.000306
ENSG00000164626.8	KCNK5	-0.4729	0.00912	-1.4373	0.000328	-1.128	0.000317	-1.752	0.000306
ENSG00000156113.22	KCNMA1	1.50713	0.000636	2.05011	0.000328	2.08813	0.000317	2.1093	0.000306
ENSG00000236467.8	KCNMA1-AS1	2.26272	0.029599	2.82695	0.004687	2.00644	0.049576	2.36243	0.017437
ENSG00000080709.14	KCNN2	2.75418	0.000636	3.06366	0.000328	3.11236	0.000317	3.06008	0.000306
ENSG00000170745.11	KCNS3	-0.4575	0.001724	-1.0166	0.000328	-0.8799	0.000317	-0.9738	0.000306
ENSG00000178695.5	KCTD12	-1.9379	0.000636	-3.0247	0.000328	-2.9391	0.000317	-3.3312	0.000306
ENSG00000136636.12	KCTD3	0.57376	0.000636	1.39738	0.000328	1.39621	0.000317	1.40919	0.000306
ENSG00000136240.9	KDEL2	0.38075	0.000636	0.75391	0.000328	0.80534	0.000317	0.80417	0.000306
ENSG00000066135.12	KDM4A	-0.3562	0.044147	-0.5297	0.000328	-0.4732	0.005184	-0.3977	0.025103

ENSG00000127663.14	KDM4B	0.44104	0.000636	0.8702	0.000328	0.9372	0.000317	1.01077	0.000306
ENSG00000147050.14	KDM6A	-0.6675	0.000636	-0.6841	0.000328	-0.6781	0.000317	-0.7194	0.000582
ENSG00000138030.12	KHK	-0.5175	0.038266	-1.1955	0.000328	-1.2538	0.000317	-1.1559	0.000306
ENSG00000164976.8	KIAA1161	0.30865	0.016627	0.65836	0.000328	0.75302	0.000317	0.80935	0.001091
ENSG00000109265.13	KIAA1211	-0.6874	0.00949	-1.2995	0.000328	-1.3083	0.000317	-1.2456	0.000306
ENSG00000164659.14	KIAA1324L	0.4675	0.044866	0.84855	0.000328	0.69969	0.001393	0.81561	0.000306
ENSG00000165757.8	KIAA1462	-0.5467	0.008725	-0.8921	0.000328	-0.9218	0.000317	-1.0681	0.000306
ENSG00000122778.9	KIAA1549	-0.5155	0.000636	-0.7038	0.000328	-0.7511	0.000317	-0.6622	0.000306
ENSG00000197892.12	KIF13B	1.37051	0.000636	1.62966	0.000328	1.73598	0.000317	1.69802	0.000306
ENSG00000054523.17	KIF1B	-0.3125	0.00634	-0.4221	0.000328	-0.3763	0.000881	-0.4153	0.000582
ENSG00000066735.14	KIF26A	-0.5477	0.000636	-1.5857	0.000328	-1.3726	0.000317	-1.5702	0.000306
ENSG00000170759.10	KIF5B	-0.3042	0.004109	-0.2828	0.009354	-0.2659	0.013262	-0.2857	0.019884
ENSG00000183853.17	KIRREL	-1.3586	0.000636	-3.1733	0.000328	-3.2073	0.000317	-2.6035	0.000306
ENSG00000155090.14	KLF10	-0.3485	0.004109	-0.5599	0.000328	-0.5064	0.000317	-0.6919	0.000306
ENSG00000163884.3	KLF15	1.12837	0.000636	1.39221	0.000328	1.46643	0.000317	1.58252	0.000306
ENSG00000136826.14	KLF4	1.10523	0.000636	1.93534	0.000328	1.88087	0.000317	2.19078	0.000306
ENSG00000102554.13	KLF5	1.49403	0.000636	2.25625	0.000328	2.18705	0.000317	2.15823	0.000306
ENSG00000067082.14	KLF6	0.69411	0.000636	1.33139	0.000328	1.27641	0.000317	1.27249	0.000306
ENSG00000130487.5	KLHDC7B	-1.5413	0.000636	-2.2075	0.000328	-2.1091	0.000317	-2.1774	0.000306
ENSG00000150361.11	KLHL1	-2.0194	0.000636	-3.4736	0.000328	-3.638	0.000317	-3.5881	0.000306
ENSG00000183655.12	KLHL25	-0.3577	0.005022	-0.4347	0.00144	-0.3909	0.00188	-0.3845	0.008707
ENSG00000119771.14	KLHL29	1.01335	0.000636	1.64007	0.000328	1.60655	0.000317	1.64704	0.000306
ENSG00000135686.12	KLHL36	0.49	0.001724	1.12605	0.000328	1.18117	0.000317	1.25814	0.000306
ENSG00000109790.16	KLHL5	-0.4552	0.000636	-0.4134	0.00144	-0.5543	0.000317	-0.4195	0.003157
ENSG00000167751.12	KLK2	4.87384	0.000636	5.75032	0.000328	5.73564	0.000317	5.76512	0.000306
ENSG00000142515.14	KLK3	3.72614	0.000636	4.51281	0.000328	4.66178	0.000317	4.73694	0.000306
ENSG00000167749.11	KLK4	2.80761	0.000636	3.43512	0.000328	3.44769	0.000317	3.62384	0.000306
ENSG00000197588.9	KLKP1	2.75256	0.000636	3.01408	0.000328	2.95506	0.000317	3.21454	0.000306
ENSG00000133247.13	KMT5C	-0.4347	0.010243	-0.5217	0.001694	-0.6787	0.000317	-0.5194	0.004424
ENSG00000128944.13	KNSTRN	0.42926	0.000636	0.36965	0.00144	0.33217	0.004355	0.28449	0.014629
ENSG00000111057.10	KRT18	0.54907	0.000636	1.59914	0.000328	1.65362	0.000317	1.7302	0.000306
ENSG00000171345.13	KRT19	2.76781	0.000636	3.91422	0.000328	3.83908	0.000317	3.69029	0.000306
ENSG00000170465.9	KRT6C	2.28987	0.000636	2.95707	0.000328	3.18695	0.000317	2.8838	0.000306
ENSG00000170421.12	KRT8	0.44714	0.000636	1.87993	0.000328	1.9576	0.000317	2.06156	0.000306
ENSG00000167767.13	KRT80	-1.0999	0.000636	-1.3016	0.000328	-1.2665	0.000317	-1.3851	0.000306
ENSG00000157992.12	KRTCAP3	0.57314	0.000636	0.96569	0.000328	0.97748	0.000317	0.97281	0.000306
ENSG00000171435.13	KSR2	-0.6894	0.000636	-1.027	0.000328	-1.3931	0.000317	-1.418	0.000306
ENSG00000198945.7	L3MBTL3	0.62691	0.00949	0.9575	0.000328	0.9515	0.000317	0.86356	0.000306
ENSG00000272079.2	LA16c-380H5.5	-0.8598	0.018654	-1.0179	0.006564	-1.071	0.00498	-1.4928	0.001335
ENSG00000147592.8	LACTB2	0.63185	0.000636	1.00247	0.000328	0.91356	0.000317	1.02179	0.000306
ENSG00000101680.14	LAMA1	0.81397	0.037613	1.10231	0.000906	1.00814	0.002116	0.94636	0.004424
ENSG00000053747.15	LAMA3	0.63523	0.000636	1.03543	0.000328	1.08151	0.000317	1.04286	0.000306
ENSG00000135862.5	LAMC1	0.67593	0.008725	1.06076	0.000328	1.1315	0.000317	1.22272	0.000306
ENSG00000188186.10	LAMTOR4	0.45406	0.001203	0.58611	0.000328	0.59864	0.000317	0.58437	0.000306
ENSG00000104341.16	LAPTM4B	-0.9247	0.000636	-0.9813	0.000328	-1.3058	0.000317	-1.1171	0.000306
ENSG00000002834.17	LASP1	-0.7845	0.000636	-0.6874	0.000328	-0.6028	0.000317	-0.5477	0.000306
ENSG000000086730.16	LAT2	1.83184	0.000636	2.92977	0.000328	2.86979	0.000317	3.00837	0.000306
ENSG00000136167.13	LCP1	1.64089	0.000636	1.96969	0.000328	1.88425	0.000317	1.97002	0.000306
ENSG00000198728.10	LDB1	-0.3421	0.001724	-0.3696	0.000622	-0.3277	0.001638	-0.3575	0.002042
ENSG00000166816.13	LDHD	0.68272	0.000636	1.51506	0.000328	1.50825	0.000317	1.66571	0.000306
ENSG00000130164.13	LDLR	0.65449	0.000636	1.07864	0.000328	1.06689	0.000317	1.06721	0.000306
ENSG00000179241.12	LDLRAD3	1.03518	0.000636	1.51363	0.000328	1.57872	0.000317	1.59178	0.000306
ENSG00000138795.9	LEF1	-1.3115	0.000636	-2.2982	0.000328	-1.9181	0.000317	-2.104	0.000306
ENSG00000106003.12	LFNG	-0.8674	0.000636	-1.7623	0.000328	-1.8377	0.000317	-1.3641	0.000306
ENSG00000100097.11	LGALS1	0.9185	0.000636	1.30149	0.000328	1.1605	0.000317	1.34557	0.000306
ENSG00000108679.12	LGALS3BP	-0.437	0.000636	-0.5778	0.000328	-0.6324	0.000317	-0.6271	0.000306
ENSG00000168481.8	LG13	-0.6725	0.023657	-1.3401	0.005134	-1.3548	0.006599	-1.3555	0.005639
ENSG00000205213.13	LGR4	0.49777	0.001203	0.79888	0.000328	0.68965	0.000317	0.70372	0.000306
ENSG00000128342.4	LIF	-0.9802	0.045392	-2.0246	0.000328	-1.5719	0.004135	-1.9117	0.000582
ENSG00000113594.9	LIFR	1.4729	0.000636	3.32179	0.000328	3.4055	0.000317	3.48408	0.000306
ENSG00000050405.13	LIMA1	-0.3989	0.00365	-0.5451	0.000328	-0.4956	0.002354	-0.5921	0.000306
ENSG00000064042.17	LIMCH1	0.70572	0.00223	1.18409	0.000328	1.27395	0.000317	1.334	0.000306
ENSG00000169756.16	LIMS1	0.87801	0.000636	1.37409	0.000328	1.35387	0.000317	1.33021	0.000306
ENSG00000111052.7	LIN7A	-0.7158	0.000636	-1.2382	0.000328	-1.3284	0.000317	-1.239	0.000306
ENSG00000104863.11	LIN7B	0.82239	0.001203	2.02596	0.000328	2.07537	0.000317	2.18273	0.000306
ENSG00000229214.1	LINC00242	-0.6674	0.011014	-0.9008	0.000622	-0.7116	0.003915	-1.1537	0.000306
ENSG00000227036.6	LINC00511	-1.5964	0.000636	-1.7848	0.000328	-1.2299	0.009698	-3.404	0.000306
ENSG00000215190.9	LINC00680	-1.03	0.000636	-1.3792	0.000328	-1.4252	0.000317	-1.4561	0.000306
ENSG00000214194.8	LINC00998	0.29803	0.009854	0.48756	0.000328	0.4802	0.000317	0.4864	0.000306
ENSG00000224259.6	LINC01133	-1.8768	0.000636	-2.7675	0.000328	-2.7968	0.000317	-0.3677	0.000306
ENSG00000245937.7	LINC01184	-0.655	0.000636	-0.878	0.000906	-1.1161	0.000317	-0.8388	0.000306
ENSG00000225255.6	LINC01297	1.91676	0.006762	0.73701	0.000328	0.60368	0.004565	1.70541	0.007008
ENSG00000244128.5	LINC01322	#NAME?	0.000636	#NAME?	0.000328	#NAME?	0.000317	#NAME?	0.000306
ENSG00000231422.2	LINC01516	2.15245	0.005467	2.40481	0.001944	2.29418	0.004776	2.1593	0.008139
ENSG00000273033.2	LINC02035	-0.4936	0.000636	-0.6124	0.000328	-0.5394	0.00114	-0.7243	0.000306
ENSG00000250387.2	LINC02197	-0.3343	0.008725	-0.4682	0.000328	-0.3676	0.003256	-0.4535	0.000306
ENSG00000107798.17	LIPA	0.39219	0.001724	0.54366	0.000328	0.60074	0.000317	0.58127	0.000306
ENSG00000272872.1	LL22NC03-N14H11.1	1.01815	0.00223	1.19722	0.000328	1.18244	0.000317	1.24707	0.000306
ENSG00000073350.13	LLGL2	-0.6542	0.000636	-0.4732	0.005552	-0.5243	0.000604	-0.4527	0.009787
ENSG00000139233.6	LLPH	0.40751	0.048735	0.52405	0.007577	0.61692	0.000604	0.55994	0.005022
ENSG00000074695.5	LMAN1	0.4384	0.001203	0.84129	0.000328	0.8476	0.000317	0.88528	0.000306
ENSG00000140506.16	LMAN1L	1.45932	0.021404	2.78536	0.000328	2.36022	0.000317	2.11469	0.003593

ENSG00000100258.17	LMF2	0.42106	0.001203	0.52894	0.000328	0.5627	0.000317	0.5711	0.000306
ENSG00000136944.17	LMX1B	-1.1362	0.000636	-1.6211	0.000328	-1.7964	0.000317	-1.854	0.000306
ENSG00000113441.15	LNPEP	0.7803	0.000636	0.79943	0.000328	0.88514	0.000317	0.79854	0.000306
ENSG00000154359.12	LONRF1	0.81094	0.000636	1.74725	0.000328	1.76283	0.000317	1.76305	0.000306
ENSG00000170500.12	LONRF2	-0.7394	0.000636	-1.5358	0.000328	-1.3609	0.000317	-1.6802	0.000306
ENSG00000113083.13	LOX	2.07696	0.000636	2.76969	0.000328	2.49911	0.000317	2.58011	0.000306
ENSG00000213071.11	LPAL2	-0.8372	0.003189	-0.7797	0.010323	-0.799	0.013262	-0.7673	0.006421
ENSG00000198121.13	LPAR1	1.30012	0.003189	1.38845	0.000328	1.65531	0.000317	1.8622	0.000306
ENSG00000171517.5	LPAR3	1.86565	0.000636	2.62983	0.000328	2.65195	0.000317	2.7162	0.000306
ENSG00000134324.11	LPIN1	0.59456	0.00365	1.15526	0.000328	1.15588	0.000317	1.07599	0.000306
ENSG00000110031.12	LPXN	1.11598	0.000636	1.05362	0.000328	1.39978	0.000317	1.14994	0.000306
ENSG00000136141.14	LRCH1	0.53314	0.001203	0.93551	0.000328	0.95196	0.000317	1.06152	0.000306
ENSG00000171236.9	LRG1	1.27201	0.030731	1.73838	0.00144	1.80552	0.000604	1.48182	0.007385
ENSG00000144749.13	LRIG1	0.81448	0.000636	1.80818	0.000328	1.82145	0.000317	1.93467	0.000306
ENSG00000123384.13	LRP1	-0.7015	0.000636	-0.7914	0.000328	-0.7756	0.000317	-0.8581	0.000306
ENSG00000134569.9	LRP4	-1.8899	0.014587	-1.6312	0.030377	-1.3755	0.049297	-1.7956	0.021953
ENSG00000114248.9	LRRC31	-3.5764	0.000636	-4.5778	0.000328	-4.9284	0.000604	-4.743	0.000306
ENSG00000271013.1	LRRC37A9P	-0.3603	0.032219	-1.2034	0.000328	-1.1203	0.000317	-1.5521	0.000306
ENSG00000116212.14	LRRC42	-0.2744	0.039921	-0.2796	0.027916	-0.2868	0.024792	-0.2782	0.025563
ENSG00000108829.9	LRRC59	0.4644	0.000636	0.76276	0.000328	0.80663	0.000317	0.88967	0.000306
ENSG00000093167.17	LRRFIP2	0.9912	0.005916	1.8767	0.000328	1.80913	0.000317	1.86993	0.000306
ENSG00000175928.5	LRRN1	-2.2924	0.000636	-3.3925	0.000328	-3.5132	0.000317	-3.5746	0.000306
ENSG00000162951.10	LRRTM1	-2.7361	0.044866	-2.6851	0.036046	#NAME?	0.001638	#NAME?	0.001815
ENSG00000148356.13	LRSAM1	0.27872	0.035877	0.64168	0.000328	0.70634	0.000317	0.75374	0.000306
ENSG00000155858.5	LSM11	-0.312	0.029881	-0.4935	0.000328	-0.5986	0.000317	-0.5818	0.000306
ENSG00000160285.14	LSS	0.74835	0.000636	1.14796	0.000328	1.09616	0.000317	1.16595	0.000306
ENSG00000111144.9	LTA4H	-0.4032	0.000636	-0.6347	0.000328	-0.6115	0.000317	-0.6367	0.000306
ENSG00000139329.4	LUM	-1.6174	0.044147	-2.8712	0.001694	-4.5371	0.003915	-3.1467	0.003593
ENSG00000187398.11	LUZP2	-1.2363	0.000636	-2.0397	0.000328	-2.311	0.000317	-2.0613	0.000306
ENSG00000150556.16	LYPD6B	-1.7024	0.000636	-2.4114	0.000328	-1.9647	0.000317	-2.4464	0.000306
ENSG00000011009.10	LYPLA2	0.31309	0.038527	0.77477	0.000328	0.83658	0.000317	0.87209	0.000306
ENSG00000143353.11	LYPLAL1	0.57306	0.021404	1.0277	0.000328	1.12176	0.000317	1.02197	0.000306
ENSG00000061337.15	LZTS1	-0.838	0.002716	-1.582	0.000328	-1.4675	0.000317	-1.8835	0.000306
ENSG00000178573.6	MAF	4.90405	0.000636	6.19872	0.000328	6.20942	0.000317	6.31388	0.000306
ENSG00000198517.9	MAFK	0.5354	0.042587	1.03343	0.001694	1.17105	0.000317	1.22555	0.000842
ENSG00000102316.16	MAGED2	0.45304	0.000636	1.05866	0.000328	1.04472	0.000317	1.14714	0.000306
ENSG00000111837.11	MAK	3.74436	0.000636	4.41077	0.000328	4.39566	0.000317	4.44259	0.000306
ENSG00000172175.12	MALT1	1.65501	0.000636	2.64932	0.000328	2.64687	0.000317	2.68107	0.000306
ENSG00000013619.13	MAMLD1	-1.3372	0.000636	-1.3508	0.000328	-1.7718	0.000317	-1.2203	0.000306
ENSG00000111885.6	MAN1A1	-1.7309	0.000636	-3.0395	0.000328	-3.191	0.000317	-3.2119	0.000306
ENSG00000117643.14	MAN1C1	-1.0826	0.01426	-1.2223	0.000328	-0.7255	0.026087	-0.8875	0.045275
ENSG00000196547.14	MAN2A2	-0.7196	0.000636	-0.851	0.000328	-0.6966	0.002583	-0.8823	0.000306
ENSG00000172469.15	MANEA	-0.6773	0.000636	-0.8553	0.000328	-0.7957	0.000317	-0.9653	0.000306
ENSG00000185090.14	MANEAL	0.51969	0.000636	0.79216	0.000328	0.81972	0.000317	0.90226	0.000306
ENSG00000189221.9	MAOA	1.7398	0.000636	2.32157	0.000328	2.35621	0.000317	2.36964	0.000306
ENSG00000166963.12	MAP1A	-1.2236	0.000636	-2.1168	0.000328	-2.2399	0.000317	-2.5723	0.000306
ENSG00000131711.14	MAP1B	0.46733	0.000636	0.80566	0.000328	0.93238	0.000317	0.87158	0.000306
ENSG00000078018.19	MAP2	0.64455	0.000636	0.65642	0.001184	0.63461	0.000317	0.59336	0.002488
ENSG00000107968.9	MAP3K8	-1.0123	0.000636	-1.661	0.000328	-1.7567	0.000317	-1.568	0.000306
ENSG00000184368.15	MAP7D2	1.48478	0.00634	1.60781	0.001184	1.38418	0.006801	1.57695	0.000842
ENSG00000129680.15	MAP7D3	-0.4073	0.01178	-0.8095	0.000328	-0.7394	0.000317	-0.7273	0.000306
ENSG00000164114.18	MAP9	1.47054	0.000636	2.21052	0.000328	2.30263	0.000317	2.28649	0.000306
ENSG00000185386.14	MAPK11	0.60422	0.000636	1.29613	0.000328	1.34796	0.000317	1.46476	0.000306
ENSG00000181085.14	MAPK15	0.99271	0.000636	1.28727	0.000328	1.47851	0.000317	1.40747	0.000306
ENSG00000141639.11	MAPK4	-1.2612	0.000636	-1.5382	0.000906	-1.6162	0.000317	-0.9488	0.018599
ENSG00000008735.13	MAPK8IP2	0.59144	0.012475	1.1132	0.000328	1.0715	0.000317	1.23312	0.000306
ENSG00000114738.10	MAPKAPK3	-0.2802	0.04234	-0.4438	0.000328	-0.4095	0.000604	-0.394	0.002262
ENSG00000186868.15	MAPT	-0.9721	0.007968	-1.4392	0.021685	-1.7812	0.000317	-1.9702	0.000306
ENSG00000175130.6	MARCKSL1	-0.4123	0.000636	-0.416	0.000328	-0.4112	0.000317	-0.3885	0.001091
ENSG00000155254.12	MARVELD1	0.43658	0.001724	0.51343	0.000328	0.51293	0.000317	0.58252	0.000306
ENSG00000152939.14	MARVELD2	-0.3611	0.016936	-0.4406	0.002425	-0.393	0.005399	-0.4191	0.002262
ENSG00000099308.10	MAST3	-0.3718	0.022041	-0.3608	0.021062	-0.4556	0.002816	-0.3852	0.007948
ENSG00000069020.18	MAST4	-1.0652	0.012847	-1.4031	0.000328	-1.4348	0.000881	-1.0046	0.007751
ENSG00000132561.13	MATN2	-2.1504	0.019609	-3.1485	0.000328	-3.1824	0.000317	-4.6566	0.000306
ENSG00000143797.11	MBOAT2	2.72926	0.000636	3.42251	0.000328	3.4738	0.000317	3.46819	0.000306
ENSG00000011258.15	MBTD1	-0.2846	0.040414	-0.5836	0.000328	-0.5835	0.000317	-0.7104	0.000306
ENSG00000012174.11	MBTPS2	0.34762	0.001724	0.55886	0.000328	0.61136	0.000317	0.63713	0.000306
ENSG00000076706.16	MCAM	-1.4391	0.034154	-2.3005	0.002894	-2.3249	0.000317	-2.6091	0.000306
ENSG00000171444.17	MCC	-1.2672	0.000636	-1.5997	0.000328	-1.7204	0.000317	-1.7703	0.000306
ENSG00000131844.15	MCCC2	1.10397	0.000636	1.11785	0.000328	1.1085	0.000317	1.15489	0.000306
ENSG00000124370.10	MCEE	0.49212	0.02396	0.81636	0.000328	0.82319	0.000317	0.71796	0.000582
ENSG00000126217.20	MCF2L	-0.3872	0.005022	-0.4825	0.000328	-0.5841	0.000317	-0.5233	0.000306
ENSG00000112139.14	MDGA1	-1.7111	0.039921	-1.8308	0.024885	-2.8997	0.00114	-2.1946	0.015626
ENSG00000008212.12	ME2	-0.3241	0.001724	-0.5729	0.000328	-0.5253	0.000317	-0.5727	0.000306
ENSG00000163875.15	MEAF6	0.39757	0.014931	1.2301	0.000328	1.24769	0.000317	1.29562	0.000306
ENSG00000085276.17	MECOM	-1.798	0.000636	-1.9678	0.004258	-3.657	0.000317	-3.3874	0.000306
ENSG00000133398.3	MED10	0.35022	0.005467	0.60611	0.000328	0.542	0.000317	0.65085	0.000306
ENSG00000106780.8	MEGF9	0.29233	0.017586	0.80961	0.000328	0.84821	0.000317	0.83266	0.000306
ENSG00000143995.19	MEIS1	1.31812	0.000636	1.7551	0.000328	1.74151	0.000317	1.63498	0.000306
ENSG00000153208.16	MERTK	0.78472	0.000636	3.11723	0.000328	3.0424	0.000317	3.15855	0.000306
ENSG00000140406.3	MESDC1	0.31899	0.00912	0.41747	0.000622	0.38023	0.00114	0.42467	0.000842
ENSG00000117899.10	MESDC2	0.27904	0.020778	0.40734	0.000328	0.49449	0.000317	0.39427	0.001091

ENSG00000164024.11	METAP1	0.31566	0.036741	0.47229	0.000328	0.47086	0.001393	0.49473	0.000306
ENSG00000103260.8	METRN	-0.7673	0.000636	-0.8828	0.000328	-0.8251	0.000317	-1.0978	0.000306
ENSG00000176845.12	METRNL	-0.8744	0.000636	-0.7152	0.000328	-0.8483	0.000317	-0.84	0.000306
ENSG00000127720.7	METTL25	-1.0717	0.000636	-1.2638	0.000328	-1.4471	0.000317	-1.102	0.011744
ENSG00000185432.11	METTL7A	0.6765	0.000636	0.46494	0.016015	0.42802	0.026861	0.42603	0.026596
ENSG00000254726.2	MEX3A	-0.7322	0.000636	-1.2139	0.000328	-1.1283	0.000317	-1.1411	0.000306
ENSG00000183496.5	MEX3B	-0.3991	0.000636	-0.777	0.000328	-0.7336	0.000317	-0.6825	0.000306
ENSG00000176624.10	MEX3C	-0.4819	0.003189	-0.6091	0.000328	-0.624	0.000317	-0.6472	0.000306
ENSG00000181588.16	MEX3D	-0.3148	0.012847	-0.5382	0.000328	-0.5338	0.000317	-0.5857	0.000306
ENSG00000171109.18	MFN1	0.33147	0.020778	0.63141	0.000328	0.66559	0.000317	0.62916	0.000306
ENSG00000118855.18	MFSD1	0.39442	0.000636	0.83832	0.000328	0.90116	0.000317	0.88539	0.000306
ENSG00000156875.13	MFSD14A	0.35607	0.04128	0.41069	0.01298	0.45005	0.003702	0.46976	0.00422
ENSG00000151690.14	MFSD6	-1.1745	0.000636	-0.6629	0.000328	-0.5638	0.020924	-0.5752	0.001578
ENSG00000143198.12	MGST3	0.38278	0.002716	0.74611	0.000328	0.70725	0.000317	0.69431	0.000306
ENSG00000154305.16	MIA3	0.45436	0.00223	1.17013	0.000328	1.24531	0.000317	1.3023	0.000306
ENSG00000135596.17	MICAL1	1.80903	0.000636	3.24942	0.000328	3.22556	0.000317	3.30302	0.000306
ENSG00000253716.5	MINCR	0.69867	0.017586	1.05986	0.000328	0.90878	0.000317	1.04822	0.000306
ENSG00000173436.13	MINOS1	0.90682	0.007968	1.64173	0.000328	1.35696	0.000317	1.36185	0.000306
ENSG00000027001.9	MIPEP	1.18242	0.000636	1.51708	0.000328	1.44889	0.000317	1.50596	0.000306
ENSG00000270069.1	MIR222HG	-1.6616	0.000636	-2.8795	0.000328	-2.1478	0.000317	-2.4857	0.000306
ENSG00000228526.6	MIR34AHG	-0.7446	0.000636	-0.9635	0.000328	-1.0789	0.000317	-1.2747	0.000306
ENSG00000115648.13	MLPH	1.20726	0.000636	2.09998	0.000328	2.14028	0.000317	2.21786	0.000306
ENSG00000151611.13	MMAA	0.93752	0.000636	1.45624	0.000328	1.43581	0.000317	1.49541	0.000306
ENSG00000168288.12	MMADHC	0.40805	0.000636	0.38612	0.000328	0.39204	0.000317	0.40403	0.000306
ENSG00000156103.15	MMP16	-1.6884	0.000636	-4.0072	0.000328	-4.0302	0.000317	-4.1389	0.000306
ENSG00000130675.14	MNX1	-0.8027	0.004109	-1.0516	0.000328	-1.4854	0.000317	-1.7031	0.000306
ENSG00000243479.3	MNX1-AS1	-0.3505	0.010243	-0.8066	0.000328	-0.8599	0.000317	-0.8972	0.000306
ENSG00000172081.13	MOB3A	0.61429	0.001203	1.08063	0.000328	1.08413	0.000317	1.13486	0.000306
ENSG00000166391.14	MOGAT2	4.11426	0.000636	5.87229	0.000328	5.86625	0.000317	5.96907	0.000306
ENSG00000133131.14	MORC4	0.49264	0.000636	1.10298	0.000328	1.15486	0.000317	1.17461	0.000306
ENSG00000073146.15	MOV10L1	-1.3927	0.000636	-2.0997	0.000328	-2.3223	0.000317	-2.7001	0.000306
ENSG00000143158.10	MPC2	1.80454	0.000636	2.31474	0.000328	2.28634	0.000317	2.31738	0.000306
ENSG00000124383.8	MPHOSPH10	0.29251	0.018963	0.31467	0.005344	0.36568	0.000881	0.36457	0.000306
ENSG00000051825.14	MPHOSPH9	0.92812	0.012475	1.36562	0.000328	1.35784	0.000317	1.38955	0.000306
ENSG00000115204.14	MPV17	0.30937	0.022361	0.56697	0.000328	0.6354	0.000317	0.68042	0.000306
ENSG00000278619.4	MRM1	0.37231	0.027268	0.35061	0.038133	0.51	0.00188	0.45292	0.006421
ENSG00000128626.11	MRPS12	0.3504	0.01178	0.37732	0.004476	0.34189	0.010945	0.34272	0.006818
ENSG00000096080.11	MRPS18A	0.62749	0.000636	1.22404	0.000328	1.18327	0.000317	1.26678	0.000306
ENSG00000061794.12	MRPS35	0.28229	0.020778	0.46224	0.000328	0.47551	0.000317	0.50794	0.000306
ENSG00000188895.11	MSL1	-0.2892	0.036741	-0.349	0.007577	-0.3301	0.009154	-0.2893	0.030239
ENSG00000052802.12	MSMO1	0.60816	0.000636	0.8415	0.000328	0.86184	0.000317	0.82612	0.000306
ENSG00000120149.8	MSX2	-0.7332	0.001724	-1.0367	0.000328	-0.9245	0.000317	-0.9129	0.000306
ENSG00000125144.13	MT1G	-0.6492	0.000636	-1.1596	0.000328	-1.1739	0.000317	-1.2296	0.000306
ENSG00000125148.6	MT2A	-0.6367	0.000636	-1.1916	0.000328	-1.24	0.000317	-1.1783	0.000306
ENSG00000182979.17	MTA1	-0.4448	0.024865	-0.6236	0.000622	-0.6765	0.000317	-0.5739	0.008891
ENSG00000139505.11	MTMR6	0.27126	0.029881	0.36942	0.00144	0.46801	0.000317	0.43336	0.000306
ENSG00000104643.9	MTMR9	1.37267	0.000636	2.29646	0.000328	2.39432	0.000317	2.4212	0.000306
ENSG00000198793.12	MTOR	0.88311	0.000636	1.52749	0.000328	1.56573	0.000317	1.56235	0.000306
ENSG00000196814.14	MVB12B	-0.7311	0.000636	-0.9988	0.000328	-0.9972	0.000317	-1.1411	0.000306
ENSG00000167508.11	MVD	0.60243	0.000636	1.39218	0.000328	1.31282	0.000317	1.09324	0.000306
ENSG00000157601.13	MX1	-0.9161	0.005467	-0.9968	0.004258	-1.0858	0.035129	-1.1401	0.004633
ENSG00000119950.20	MXI1	-0.5453	0.001203	-0.7464	0.000328	-0.7224	0.000317	-0.7239	0.000306
ENSG00000118513.18	MYB	-0.3911	0.033864	-1.7383	0.000328	-1.4712	0.000317	-1.7863	0.000306
ENSG00000185697.16	MYBL1	0.84396	0.000636	0.82785	0.000328	0.80989	0.000317	0.82915	0.000306
ENSG00000196091.13	MYBPC1	4.93823	0.000636	6.52935	0.000328	6.40825	0.000317	6.67971	0.000306
ENSG00000074842.7	MYDGF	0.34317	0.013202	0.82529	0.000328	0.79482	0.000317	0.88031	0.000306
ENSG00000104177.17	MYEF2	-0.6228	0.000636	-0.9062	0.000328	-0.8305	0.000317	-0.881	0.000306
ENSG00000101608.12	MYL12A	0.76687	0.000636	1.25658	0.000328	1.22315	0.000317	1.25625	0.000306
ENSG00000118680.12	MYL12B	0.38563	0.000636	0.84117	0.000328	0.83828	0.000317	0.83956	0.000306
ENSG00000085274.15	MYNN	-0.7109	0.000636	-0.9442	0.000328	-0.8932	0.000317	-0.8506	0.000306
ENSG00000128641.18	MYO1B	1.42256	0.000636	1.55973	0.000328	1.59025	0.000317	1.6058	0.000306
ENSG00000128833.12	MYO5C	0.49705	0.000636	0.50293	0.000328	0.4957	0.000317	0.47397	0.000582
ENSG00000138119.16	MYOF	1.62168	0.015959	2.44499	0.000328	2.40589	0.000317	2.51574	0.000306
ENSG00000036448.9	MYOM2	-0.9024	0.000636	-1.0127	0.000328	-1.0817	0.000317	-0.6625	0.008891
ENSG00000170011.13	MYRIP	-0.547	0.000636	-0.7964	0.000328	-0.7796	0.000317	-0.8976	0.000306
ENSG00000196132.11	MYT1	-1.1081	0.000636	-1.5199	0.000328	-1.8369	0.000317	-1.5626	0.000306
ENSG00000145911.5	N4BP3	-0.6024	0.000636	-0.7808	0.000328	-0.6674	0.000317	-0.7255	0.000306
ENSG00000173418.11	NAA20	0.2659	0.019609	0.37245	0.000622	0.357	0.00114	0.34882	0.000842
ENSG00000138744.14	NAAA	0.56681	0.029881	1.01245	0.000328	1.11141	0.000317	1.31653	0.000306
ENSG00000198951.11	NAGA	0.39663	0.001203	0.49796	0.000328	0.52256	0.000317	0.52466	0.000306
ENSG00000249437.7	NAIP	-1.1908	0.000636	-1.5876	0.000328	-1.081	0.000317	-1.5755	0.000306
ENSG00000105835.11	NAMPT	1.02124	0.000636	1.91	0.000328	1.99714	0.000317	2.06444	0.000306
ENSG00000095380.10	NANS	0.45616	0.000636	0.82111	0.000328	0.81716	0.000317	0.88146	0.000306
ENSG00000161048.11	NAPEPLD	-0.7755	0.000636	-0.8345	0.000328	-1.0373	0.000317	-0.7844	0.000306
ENSG00000103245.13	NARFL	0.63875	0.000636	0.74871	0.000328	0.761	0.000317	0.74029	0.000842
ENSG00000171428.13	NAT1	0.4365	0.027007	1.65549	0.000328	1.56638	0.000317	1.71584	0.000306
ENSG00000185818.7	NAT8L	-0.4566	0.000636	-1.1296	0.000328	-1.1069	0.000317	-1.0847	0.000306
ENSG00000274180.1	NATD1	-1.8379	0.000636	-0.7437	0.000328	-0.6503	0.000317	-0.6054	0.000306
ENSG00000154654.14	NCAM2	-0.5433	0.047769	-0.953	0.000328	-0.92	0.000317	-0.9476	0.000306
ENSG00000151503.12	NCAPD3	0.69875	0.000636	2.02564	0.000328	2.11343	0.000317	2.22026	0.000306
ENSG00000071051.13	NCK2	-0.5331	0.000636	-0.8384	0.000328	-0.8127	0.000317	-0.7734	0.000306
ENSG00000167566.16	NCKAP5L	-1.3236	0.000636	-0.8965	0.000328	-0.8289	0.000317	-0.8223	0.000306

ENSG00000125912.10	NCLN	0.28409	0.04153	0.43063	0.000622	0.44748	0.000604	0.47404	0.000306
ENSG00000084676.15	NCOA1	0.34596	0.006762	0.49108	0.000328	0.53754	0.000317	0.57571	0.000306
ENSG00000141027.20	NCOR1	0.78028	0.007968	0.97553	0.000328	1.07522	0.000317	1.02988	0.000306
ENSG00000131507.10	NDFIP1	0.29421	0.008346	0.55065	0.000328	0.56931	0.000317	0.5836	0.000306
ENSG00000102471.13	NDFIP2	0.86219	0.000636	1.65468	0.000328	1.64119	0.000317	1.65057	0.000306
ENSG00000104419.14	NDRG1	3.66271	0.000636	6.25262	0.000328	6.35762	0.000317	6.50858	0.000306
ENSG00000123545.5	NDUFAF4	-0.5009	0.022361	-0.8318	0.000328	-0.8267	0.000317	-0.9437	0.000306
ENSG00000136521.12	NDUFB5	0.29318	0.013889	0.3145	0.009919	0.3517	0.00188	0.34522	0.002262
ENSG00000099795.6	NDUFB7	0.29727	0.010243	0.45353	0.000328	0.48401	0.000317	0.49571	0.000306
ENSG00000151366.12	NDUFC2	0.34127	0.00365	0.75111	0.000328	0.7986	0.000317	0.78278	0.000306
ENSG00000078114.18	NEBL	-1.2852	0.000636	-1.1065	0.000328	-1.1216	0.000317	-1.1156	0.000306
ENSG00000143217.8	NECTIN4	-0.7192	0.000636	-1.5093	0.000328	-1.4921	0.000317	-1.3803	0.000306
ENSG00000111859.16	NEDD9	0.78617	0.000636	0.81821	0.000328	0.91397	0.000317	0.91619	0.000306
ENSG00000277586.2	NEFL	0.77532	0.001724	0.54389	0.023141	0.80728	0.000317	0.61177	0.01225
ENSG00000132688.10	NES	-0.4294	0.027007	-1.6623	0.000328	-1.2828	0.000317	-1.5959	0.000306
ENSG00000109320.11	NFKB1	-0.4043	0.001203	-0.781	0.000328	-0.7167	0.000317	-0.7406	0.000306
ENSG00000100906.10	NFKBIA	0.64266	0.000636	1.22056	0.000328	1.23453	0.000317	1.22973	0.000306
ENSG00000144802.11	NFKBIZ	-0.8196	0.003189	-0.9448	0.007171	-1.2999	0.000317	-1.2384	0.000306
ENSG00000151092.16	NGLY1	0.42139	0.003189	0.59812	0.000328	0.5882	0.000317	0.62147	0.000306
ENSG00000136783.9	NIPSNAP3A	-1.3267	0.000636	-1.1621	0.000328	-1.141	0.000317	-1.0938	0.000306
ENSG00000145506.13	NKD2	-1.2053	0.000636	-1.4982	0.000328	-1.6403	0.000317	-2.1087	0.000306
ENSG00000278709.1	NKILA	1.3002	0.038266	1.94654	0.000328	2.20468	0.000604	2.11097	0.001335
ENSG00000167034.9	NKX3-1	3.35993	0.000636	3.87532	0.000328	3.93039	0.000317	3.9851	0.000306
ENSG00000163623.9	NKX6-1	-0.5916	0.029019	-0.9653	0.000328	-1.1873	0.000317	-0.7612	0.004819
ENSG00000169760.17	NLGN1	-1.5391	0.000636	-1.9099	0.000328	-2.3262	0.000317	-2.0281	0.000306
ENSG00000140853.15	NLRC5	-1.1597	0.005467	-2.5521	0.000328	-1.5556	0.002116	-2.2833	0.000306
ENSG00000091592.15	NLRP1	-1.1411	0.000636	-1.1878	0.000328	-1.5496	0.000317	-1.4987	0.000306
ENSG00000197696.9	NLRP	-0.8257	0.021709	-1.3413	0.000622	-0.856	0.011821	-1.4971	0.000842
ENSG00000169251.12	NMD3	0.63989	0.003189	0.76787	0.000328	0.65744	0.002816	0.69441	0.001091
ENSG00000112981.4	NME5	-0.4439	0.016936	-0.6752	0.000328	-0.5761	0.000317	-0.7636	0.000306
ENSG00000166741.7	NNMT	3.22379	0.00716	3.98094	0.00144	3.76029	0.001393	3.82747	0.001335
ENSG00000112992.16	NNT	7.30623	0.000636	7.93061	0.000328	8.16542	0.000317	8.01521	0.000306
ENSG00000148400.9	NOTCH1	-0.4581	0.000636	-1.0019	0.000328	-1.0692	0.000317	-1.0812	0.000306
ENSG00000074181.8	NOTCH3	-1.4164	0.000636	-1.927	0.000328	-1.8146	0.000317	-1.8505	0.000306
ENSG00000136999.4	NOV	-1.5224	0.020236	-3.2973	0.000328	-3.688	0.000317	-2.5369	0.045501
ENSG00000141458.12	NP1	1.05098	0.000636	1.68467	0.000328	1.63077	0.000317	1.7628	0.000306
ENSG00000107281.9	NPDC1	0.7084	0.004576	1.23769	0.000328	1.30927	0.000317	1.385	0.000306
ENSG00000183793.13	NPIPA5	-0.5235	0.010622	-0.5816	0.00144	-1.0066	0.000317	-0.853	0.000306
ENSG00000163273.3	NPPC	2.44439	0.01426	3.63257	0.00144	3.62291	0.001393	3.72303	0.000842
ENSG00000106236.3	NPTX2	-0.5243	0.000636	-1.5227	0.000328	-1.5025	0.000317	-1.6235	0.000306
ENSG00000221890.3	NPTXR	-0.4233	0.000636	-0.3898	0.001184	-0.3772	0.000881	-0.298	0.011213
ENSG00000181019.12	NQO1	-1.1383	0.000636	-1.3563	0.000328	-1.1792	0.000317	-1.3804	0.000306
ENSG00000175745.11	NR2F1	-1.5292	0.000636	-2.5904	0.000328	-2.2386	0.000317	-2.3255	0.000306
ENSG00000237187.8	NR2F1-AS1	-1.5445	0.001724	-2.345	0.000328	-1.6938	0.008003	-2.0999	0.000306
ENSG00000123358.19	NR4A1	0.79108	0.000636	2.07814	0.000328	2.10469	0.000317	2.25529	0.000306
ENSG00000185189.17	NRBP2	0.52934	0.00223	1.3581	0.000328	1.18635	0.000317	1.42419	0.000306
ENSG00000106459.14	NRF1	-0.4721	0.029328	-0.7465	0.00144	-0.8779	0.000317	-0.8949	0.000306
ENSG00000169752.16	NRG4	1.35222	0.008725	1.4789	0.002894	1.492	0.000881	1.53114	0.015936
ENSG00000180530.10	NRIP1	0.42351	0.018963	0.59202	0.000328	0.66028	0.000317	0.59202	0.000306
ENSG00000124785.8	NRN1	0.51556	0.000636	0.58262	0.000328	0.5571	0.000317	0.61459	0.000306
ENSG00000171119.2	NRTN	-0.7211	0.03304	-1.0901	0.002183	-0.6637	0.03613	-1.661	0.000306
ENSG00000179915.22	NRXN1	-0.967	0.031661	-1.2982	0.000906	-1.0446	0.009698	-1.2035	0.003377
ENSG00000110076.18	NRXN2	-1.8578	0.000636	-2.7023	0.000328	-3.2026	0.000317	-1.8212	0.001578
ENSG00000021645.18	NRXN3	1.02567	0.000636	0.5634	0.026146	0.50504	0.048459	0.57677	0.021953
ENSG00000147383.10	NSDHL	0.33358	0.017291	0.86666	0.000328	0.92633	0.000317	0.93092	0.000306
ENSG00000168824.14	NSG1	-0.9082	0.049016	-0.955	0.04265	-1.0833	0.013616	-1.1371	0.016262
ENSG00000125458.6	NT5C	0.74719	0.000636	1.18967	0.000328	1.1663	0.000317	1.26118	0.000306
ENSG00000111696.11	NT5DC3	1.63033	0.000636	1.97211	0.000328	2.01882	0.000317	2.36442	0.000306
ENSG00000065320.8	NTN1	-0.5911	0.019609	-1.3585	0.000328	-1.0021	0.000604	-1.569	0.000306
ENSG00000163545.8	NUAK2	-0.3359	0.012136	-1.2605	0.000328	-1.3052	0.000317	-1.3509	0.000306
ENSG00000196368.4	NUDT11	-0.7502	0.000636	-1.0816	0.000328	-0.9762	0.000317	-0.901	0.000306
ENSG00000275074.1	NUDT18	0.41589	0.001203	0.95906	0.000328	1.06446	0.000317	1.10603	0.000306
ENSG00000167799.9	NUDT8	0.63549	0.000636	0.5997	0.000328	0.58276	0.000317	0.64336	0.000306
ENSG00000170502.12	NUDT9	0.54906	0.000636	1.45331	0.000328	1.47932	0.000317	1.54894	0.000306
ENSG00000153989.7	NUS1	0.27437	0.015617	0.27856	0.010713	0.2688	0.016084	0.30901	0.005022
ENSG00000143748.17	NVL	0.58114	0.02268	0.65678	0.000328	0.6488	0.000317	0.63091	0.000306
ENSG00000182379.9	NXPH4	-0.4816	0.000636	-0.7902	0.000328	-0.7585	0.000317	-0.7581	0.000306
ENSG00000224367.6	OACYLP	1.64765	0.000636	1.85763	0.000328	1.64306	0.000317	1.9083	0.000306
ENSG00000135114.12	OASL	-1.4095	0.000636	-3.0957	0.000328	-2.7809	0.000317	-2.8957	0.000306
ENSG00000197822.10	OCLN	-1.5029	0.000636	-2.1377	0.000328	-2.0329	0.000317	-2.1547	0.000306
ENSG00000119900.7	OGFRL1	-0.5709	0.000636	-0.7645	0.000328	-0.8574	0.000317	-0.8855	0.000306
ENSG00000105088.8	OLFM2	-1.2496	0.000636	-1.5072	0.000328	-1.6017	0.000317	-1.5487	0.000306
ENSG00000235823.1	OLMALINC	-0.8376	0.000636	-0.7698	0.000328	-0.8635	0.000317	-0.9585	0.000306
ENSG00000082556.10	OPRK1	-1.5049	0.000636	-2.2409	0.000328	-2.2535	0.000317	-2.2396	0.000306
ENSG00000172365.2	OR5B2	Inf	0.000636	Inf	0.000328	Inf	0.000317	Inf	0.000306
ENSG00000183444.10	OR7E38P	0.4027	0.004576	0.63492	0.000328	0.63188	0.000317	0.52588	0.000306
ENSG00000164815.10	ORC5	1.30838	0.000636	1.70863	0.000328	1.72014	0.000317	1.70919	0.000306
ENSG00000229314.5	ORM1	Inf	0.000636	Inf	0.000328	Inf	0.000317	Inf	0.000306
ENSG00000021762.19	OSBPL5	0.47405	0.002716	0.41979	0.016524	0.38944	0.015907	0.51951	0.014285
ENSG00000164920.9	OSR2	-0.943	0.001203	-1.4775	0.000328	-1.134	0.00188	-1.7862	0.000306
ENSG00000198856.12	OSTC	0.28395	0.020236	0.63456	0.000328	0.61318	0.000317	0.65263	0.000306
ENSG00000154124.4	OTULIN	1.10812	0.000636	1.42066	0.000328	1.35538	0.000317	1.43525	0.000306

ENSG00000115507.9	OTX1	0.70035	0.000636	0.71153	0.000328	0.83086	0.000317	0.88087	0.000306
ENSG00000172818.9	OVOL1	-0.9899	0.000636	-1.1187	0.000328	-1.4451	0.000317	-1.5526	0.000306
ENSG00000175591.11	P2RY2	-1.4442	0.000636	-2.6546	0.000328	-2.5838	0.000317	-2.275	0.000306
ENSG00000090530.9	P3H2	1.26275	0.007566	1.40128	0.001694	1.68844	0.000317	1.57135	0.000306
ENSG00000122884.12	P4HA1	0.65808	0.000636	1.26954	0.000328	1.33056	0.000317	1.33099	0.000306
ENSG00000175115.11	PACS1	0.71529	0.000636	1.75876	0.000328	1.80869	0.000317	1.90588	0.000306
ENSG00000117115.12	PAD12	-1.0983	0.000636	-1.7555	0.000328	-1.9308	0.000317	-1.5303	0.000306
ENSG00000172239.13	PAIP1	-0.3528	0.00949	-0.3446	0.009547	-0.3238	0.013789	-0.3051	0.02463
ENSG00000149269.9	PAK1	-0.9276	0.00365	-1.6424	0.000328	-1.2931	0.000317	-1.4577	0.000306
ENSG00000111845.4	PAK1IP1	1.59631	0.000636	2.95106	0.000328	2.98348	0.000317	3.03244	0.000306
ENSG00000137843.11	PAK6	-1.9038	0.019937	#NAME?	0.000328	-2.9245	0.000317	-11.994	0.000306
ENSG00000107719.8	PALD1	-0.9609	0.000636	-1.9249	0.000328	-1.8466	0.000317	-1.7563	0.000306
ENSG00000138801.8	PAPSS1	-1.0315	0.000636	-0.7508	0.000328	-0.7162	0.000317	-0.7287	0.000306
ENSG00000102981.9	PARD6A	-0.5226	0.000636	-0.6158	0.000328	-0.6317	0.000317	-0.5202	0.000306
ENSG00000178184.15	PARD6G	-0.5989	0.00223	-1.1948	0.000328	-0.8564	0.000317	-1.1915	0.000306
ENSG00000116288.12	PARK7	0.31918	0.00634	0.62951	0.000328	0.62381	0.000317	0.58539	0.000306
ENSG00000169116.11	PARM1	1.82725	0.000636	2.84621	0.000328	2.85402	0.000317	3.04746	0.000306
ENSG00000152931.7	PART1	1.27412	0.028433	2.46879	0.000328	2.55791	0.000317	2.63492	0.000306
ENSG00000138964.16	PARVG	-1.7725	0.017586	-2.0623	0.00817	-3.2648	0.00114	-3.7912	0.000582
ENSG00000100105.17	PATZ1	-0.4973	0.000636	-0.701	0.000328	-0.6901	0.000317	-0.6168	0.000306
ENSG00000185630.18	PBX1	-0.9765	0.000636	-1.2064	0.000328	-1.3579	0.000317	-1.3745	0.000306
ENSG00000280623.1	PCAT14	1.4546	0.018317	2.13158	0.000328	2.13817	0.000317	2.41568	0.000306
ENSG00000102290.22	PCDH11X	-1.5222	0.000636	-1.3749	0.000328	-1.5461	0.000317	-1.5282	0.000306
ENSG00000118946.11	PCDH17	2.47262	0.000636	2.32839	0.000328	2.28223	0.000317	2.11416	0.000306
ENSG00000189184.11	PCDH18	-0.8212	0.043126	-2.087	0.000328	-1.535	0.000317	-1.7468	0.000306
ENSG00000280165.1	PCDH20	2.08535	0.000636	2.69136	0.000328	2.73104	0.000317	2.76464	0.000306
ENSG00000184226.14	PCDH9	-2.7734	0.000636	-4.7651	0.000328	-5.2011	0.000317	-4.4999	0.000306
ENSG00000120324.8	PCDHB10	-1.5272	0.027596	-2.0042	0.044398	-1.6083	0.014142	-1.9485	0.019572
ENSG00000187372.11	PCDHB13	-0.852	0.010622	-0.8339	0.011251	-0.7558	0.020097	-0.6928	0.028772
ENSG00000276547.1	PCDHGB5	-0.6861	0.005022	-0.5077	0.031404	-0.5539	0.022234	-0.5836	0.026014
ENSG00000277258.4	PCGF2	-0.7086	0.000636	-0.7317	0.000328	-0.64	0.000881	-0.631	0.001091
ENSG00000100889.11	PKC2	-0.43	0.000636	-0.6907	0.000328	-0.7051	0.000317	-0.687	0.000306
ENSG00000120265.16	PCMT1	0.44585	0.018963	0.67579	0.000328	0.69118	0.000317	0.63109	0.000306
ENSG00000126773.12	PCNX4	0.64741	0.000636	0.54604	0.017079	0.54879	0.028055	0.63618	0.029541
ENSG00000141179.13	PCTP	0.88183	0.000636	1.31293	0.000328	1.23404	0.000317	1.24036	0.000306
ENSG00000145882.10	PCYOX1L	0.404	0.000636	0.45293	0.000328	0.48074	0.000317	0.45092	0.000306
ENSG00000185813.10	PCYT2	0.86175	0.000636	1.06868	0.000328	1.14518	0.000317	1.16999	0.000306
ENSG00000115252.18	PDE1A	-1.0626	0.038065	-1.838	0.000622	-1.239	0.01775	-2.1486	0.000582
ENSG00000160191.17	PDE9A	1.00048	0.000636	1.13796	0.000328	1.15786	0.000317	1.16225	0.000306
ENSG00000197461.13	PDGFA	-0.6997	0.005467	-0.9404	0.000328	-1.1749	0.000317	-1.1249	0.000306
ENSG00000145431.10	PDGFC	-2.016	0.000636	-2.4848	0.000328	-2.8341	0.000317	-4.054	0.000306
ENSG00000113721.13	PDGFRB	-1.5327	0.005022	-1.8765	0.005747	-2.0813	0.000881	-2.1826	0.003377
ENSG00000110435.11	PDHX	0.9126	0.000636	1.1048	0.000328	1.11175	0.000317	1.1095	0.000306
ENSG00000185615.15	PDIA2	0.57163	0.007968	1.06572	0.000328	1.13446	0.000317	1.07204	0.000306
ENSG00000065485.19	PDIA5	0.83948	0.000636	1.1703	0.000328	1.22279	0.000317	1.19539	0.000306
ENSG00000175087.9	PDIK1L	-0.5067	0.000636	-0.6363	0.000328	-0.5786	0.000317	-0.6259	0.000306
ENSG00000120913.23	PDLIM2	-0.564	0.001203	-0.5921	0.000328	-0.6513	0.000317	-0.5495	0.001091
ENSG00000163110.14	PDLIM5	1.44691	0.000636	1.99114	0.000328	2.18367	0.000317	2.21313	0.000306
ENSG00000067840.12	PDZD4	-0.4808	0.004109	-0.8741	0.000328	-0.7233	0.000317	-0.5706	0.001091
ENSG00000121440.14	PZRN3	0.75378	0.000636	1.21813	0.000328	1.15493	0.000317	1.31326	0.000306
ENSG00000242265.5	PEG10	1.08546	0.000636	1.59112	0.000328	1.66557	0.000317	1.68385	0.000306
ENSG00000152684.10	PELO	0.37155	0.00223	0.54666	0.000328	0.59	0.000317	0.60596	0.000306
ENSG00000179094.15	PER1	1.57883	0.000636	2.40563	0.000328	2.16065	0.000317	2.2404	0.000306
ENSG00000112378.11	PERP	0.65565	0.000636	0.79364	0.000328	0.80049	0.000317	0.87269	0.000306
ENSG00000157911.9	PXP10	1.83773	0.000636	2.60229	0.000328	2.67643	0.000317	2.75976	0.000306
ENSG00000123836.14	PFKFB2	1.03079	0.009854	2.05951	0.000328	2.01033	0.000317	1.89386	0.000306
ENSG00000171314.8	PGAM1	0.35512	0.000636	0.51465	0.000328	0.53335	0.000317	0.55363	0.000306
ENSG00000182405.5	PGBD4	0.42684	0.000636	0.44756	0.00144	0.31707	0.028055	0.40384	0.003157
ENSG00000096088.16	PGC	7.23608	0.007566	7.94292	0.003805	8.1219	0.003702	7.98597	0.003593
ENSG00000119630.13	PGF	-0.8542	0.00949	-1.7107	0.000328	-2.1309	0.000317	-2.0951	0.000306
ENSG00000079739.15	PGM1	0.30825	0.023657	0.6687	0.000328	0.68819	0.000317	0.74721	0.000306
ENSG00000169299.13	PGM2	0.94455	0.000636	1.43319	0.000328	1.43593	0.000317	1.43269	0.000306
ENSG00000165434.7	PGM2L1	-0.8619	0.000636	-1.1914	0.000328	-1.3628	0.000317	-1.3328	0.000306
ENSG0000013375.15	PGM3	0.60111	0.037817	1.42122	0.000328	1.42979	0.000317	1.47821	0.000306
ENSG00000184207.8	PGP	0.45993	0.000636	0.34018	0.009729	0.35309	0.005184	0.45089	0.000582
ENSG00000167085.11	PHB	0.40038	0.005022	0.42668	0.003352	0.46312	0.000604	0.43518	0.002262
ENSG00000197724.10	PHF2	-0.3061	0.015959	-0.4246	0.000328	-0.4607	0.000317	-0.476	0.000306
ENSG00000135365.15	PHF21A	-0.507	0.048281	-0.8226	0.000328	-0.5557	0.016241	-0.6361	0.002262
ENSG00000118482.11	PHF3	-0.3352	0.011178	-0.5754	0.000328	-0.4758	0.000317	-0.6357	0.000306
ENSG00000172943.19	PHF8	0.7488	0.000636	1.00948	0.000328	1.11129	0.000317	1.16611	0.000306
ENSG00000092621.11	PHGDH	-0.5576	0.000636	-1.1369	0.000328	-1.2079	0.000317	-1.2363	0.000306
ENSG00000144824.20	PHLDB2	3.33224	0.000636	4.6454	0.000328	4.75776	0.000317	4.8649	0.000306
ENSG00000107537.13	PHYH	-0.5167	0.000636	-0.3678	0.00144	-0.3661	0.000881	-0.335	0.003157
ENSG00000100564.8	PIGH	0.6264	0.033864	0.67476	0.010901	0.72893	0.004355	0.73803	0.005022
ENSG00000185808.13	PIGP	0.41186	0.011014	0.50173	0.002183	0.43007	0.006204	0.51852	0.001091
ENSG00000119227.7	PIGZ	-1.0876	0.000636	-0.9438	0.000328	-1.1536	0.000317	-0.9807	0.000306
ENSG00000155629.14	PIK3AP1	2.2577	0.000636	2.59181	0.000328	2.53966	0.000317	2.60664	0.000306
ENSG00000100100.12	PIK3IP1	-1.2822	0.004576	-1.3179	0.019244	-1.4121	0.005184	-1.2812	0.015779
ENSG00000145675.14	PIK3R1	-0.3971	0.038266	-0.4611	0.007979	-0.3948	0.013262	-0.4721	0.001335
ENSG00000117461.14	PIK3R3	-0.8338	0.000636	-1.1027	0.000328	-1.129	0.000317	-1.2379	0.000306
ENSG00000057757.9	PITHD1	0.59602	0.000636	0.80723	0.000328	0.78293	0.000317	0.78659	0.000306
ENSG00000154217.14	PITPNC1	-0.8763	0.000636	-0.7057	0.001184	-1.0182	0.000317	-0.9228	0.000306

ENSG00000069011.15	PITX1	-1.0841	0.001203	-1.2778	0.000328	-1.3192	0.000317	-1.2303	0.000306
ENSG00000198961.9	PJA2	0.32865	0.00223	0.7667	0.000328	0.82514	0.000317	0.80345	0.000306
ENSG00000171033.12	PKIA	-1.123	0.000636	-1.793	0.000328	-2.0895	0.000317	-1.9353	0.000306
ENSG00000168734.13	PKIG	-0.6961	0.000636	-0.6208	0.000328	-0.8032	0.000317	-0.7709	0.000306
ENSG00000165495.15	PKNOX2	-0.8259	0.001203	-1.4269	0.000328	-1.3788	0.000317	-1.4246	0.000306
ENSG00000057294.14	PKP2	0.62401	0.004109	1.03877	0.000328	1.14747	0.000317	1.28221	0.000306
ENSG00000144837.8	PLA1A	2.19123	0.000636	2.18523	0.000328	1.96879	0.000317	1.97214	0.000306
ENSG00000188257.10	PLA2G2A	-1.4388	0.000636	-2.4622	0.000328	-2.253	0.000317	-1.6737	0.000306
ENSG00000127472.10	PLA2G5	4.44487	0.000636	3.96315	0.000906	4.28891	0.000881	4.31572	0.001091
ENSG00000151176.7	PLBD2	0.34016	0.00949	0.66821	0.000328	0.74273	0.000317	0.76571	0.000306
ENSG00000182621.17	PLCB1	1.12918	0.000636	1.11771	0.000328	0.83416	0.005597	0.91242	0.002711
ENSG00000101333.16	PLCB4	-0.8998	0.001203	-1.0774	0.003805	-1.0561	0.000317	-1.1755	0.000306
ENSG00000114805.16	PLCH1	-1.6675	0.000636	-2.4083	0.000328	-2.7906	0.000317	-2.4553	0.000306
ENSG00000154822.17	PLCL2	-0.8901	0.00634	-1.5558	0.000328	-1.4243	0.000317	-1.4421	0.003157
ENSG00000075651.15	PLD1	-2.7492	0.000636	-3.1544	0.000328	-3.1445	0.000317	-4.8166	0.000306
ENSG00000166689.15	PLEKHA7	-0.4377	0.000636	-0.6597	0.000328	-0.6477	0.002816	-0.7205	0.000306
ENSG00000021300.13	PLEKHB1	-0.6989	0.000636	-0.4113	0.024885	-0.3995	0.030514	-0.3899	0.031666
ENSG00000115762.16	PLEKHB2	0.54642	0.000636	0.99798	0.000328	1.0675	0.000317	1.09036	0.000306
ENSG00000175985.9	PLEKHD1	-0.6142	0.000636	-0.7314	0.000328	-0.8099	0.000317	-0.8162	0.000306
ENSG00000166289.5	PLEKHF1	0.52125	0.028433	0.5474	0.006356	0.67456	0.000881	0.60256	0.002938
ENSG00000175895.3	PLEKHF2	-0.4669	0.00223	-0.7248	0.000328	-0.6149	0.000317	-0.6927	0.000306
ENSG00000187583.10	PLEKHN1	0.45014	0.043906	0.465	0.009729	0.47057	0.005597	0.46545	0.006818
ENSG00000023902.13	PLEKHO1	-0.7809	0.002716	-1.0823	0.000328	-1.1108	0.000317	-1.0949	0.000306
ENSG00000173846.12	PLK3	-0.5819	0.007566	-0.9401	0.000328	-1.0046	0.000317	-1.2258	0.000306
ENSG00000083444.16	PLOD1	0.41046	0.007968	0.69749	0.000328	0.7496	0.000317	0.74138	0.000306
ENSG00000141934.9	PLPP2	-1.1984	0.000636	-1.3857	0.000328	-1.0047	0.000317	-1.4539	0.000306
ENSG00000147535.16	PLPP5	0.90152	0.000636	1.49108	0.000328	1.54428	0.000317	1.58905	0.000306
ENSG000000205808.5	PLPP6	0.72862	0.000636	1.51311	0.000328	1.59961	0.000317	1.69495	0.000306
ENSG00000120594.16	PLXDC2	-1.1986	0.000636	-1.0124	0.000328	-0.9794	0.000317	-0.8384	0.000306
ENSG00000164050.12	PLXNB1	-0.6363	0.011014	-0.6677	0.003352	-0.9019	0.000317	-0.7159	0.019411
ENSG00000141682.11	PMAIP1	-0.3	0.01178	-1.1604	0.000328	-1.2742	0.000317	-1.3409	0.000306
ENSG00000124225.15	PMEPA1	2.36837	0.000636	3.33304	0.000328	3.36766	0.000317	3.47149	0.000306
ENSG00000140650.11	PMM2	0.42385	0.033864	0.66616	0.000328	0.69539	0.000317	0.70303	0.000306
ENSG00000127838.13	PNKD	0.91186	0.000636	1.49965	0.000328	1.54947	0.000317	1.61996	0.000306
ENSG000000203837.4	PNLIPRP3	3.20745	0.000636	3.51055	0.000328	3.13939	0.000317	3.34644	0.000306
ENSG00000176903.4	PNMA1	1.04093	0.000636	1.68465	0.000328	1.69893	0.000317	1.7781	0.000306
ENSG00000168002.11	POLR2G	0.38669	0.00223	0.66075	0.000328	0.68116	0.000317	0.68827	0.000306
ENSG00000104356.10	POP1	0.58463	0.000636	0.63379	0.002183	0.50996	0.001393	0.54551	0.000842
ENSG00000196834.11	POTEI	2.39155	0.000636	3.13218	0.000328	2.93908	0.000317	2.92598	0.000306
ENSG00000112033.13	PPARD	-0.4926	0.000636	-0.3863	0.000622	-0.5167	0.000317	-0.4187	0.000306
ENSG00000139220.16	PPFIA2	-2.1848	0.000636	-3.7701	0.000328	-3.8582	0.000317	-3.5671	0.000306
ENSG00000177380.13	PPFIA3	0.5438	0.001724	1.01143	0.000328	1.07394	0.000317	1.06639	0.000306
ENSG00000110841.13	PPFIBP1	1.32218	0.000636	1.85181	0.000328	1.90729	0.000317	1.95281	0.000306
ENSG00000166387.11	PPFIBP2	1.76742	0.000636	2.57403	0.000328	2.62198	0.000317	2.61111	0.000306
ENSG00000166794.4	PPIB	0.31939	0.00365	0.6924	0.000328	0.70415	0.000317	0.73457	0.000306
ENSG00000100614.17	PPM1A	1.6109	0.000636	2.52411	0.000328	2.5679	0.000317	2.61003	0.000306
ENSG00000163644.14	PPM1K	0.89539	0.000636	2.07322	0.000328	2.09868	0.000317	2.10873	0.000306
ENSG00000164088.17	PPM1M	-0.5685	0.000636	-0.7487	0.000328	-0.8701	0.000317	-1.0309	0.000306
ENSG00000198729.4	PPP1R14C	-0.8716	0.000636	-2.2697	0.000328	-2.2164	0.000317	-2.5132	0.000306
ENSG00000146112.11	PPP1R18	-0.796	0.000636	-0.9371	0.000328	-0.9857	0.000317	-0.7839	0.000306
ENSG00000104695.12	PPP2C2B	0.63069	0.000636	1.29201	0.000328	1.3288	0.000317	1.39407	0.000306
ENSG00000221914.9	PPP2R2A	-0.5052	0.000636	-0.4124	0.023311	-0.4722	0.00498	-0.522	0.000842
ENSG00000074211.13	PPP2R2C	-0.5369	0.000636	-0.6461	0.000328	-0.6895	0.000317	-0.5861	0.000306
ENSG00000159182.4	PRAC1	-0.876	0.000636	-1.0361	0.000328	-1.0721	0.000317	-0.9902	0.000306
ENSG00000135617.3	PRADC1	0.51642	0.000636	0.46347	0.001184	0.34104	0.024501	0.52167	0.000306
ENSG00000275342.4	PRAG1	3.16777	0.000636	3.54526	0.000328	3.5962	0.000317	3.55557	0.000306
ENSG00000116726.4	PRAMEF12	-1.4242	0.015302	-1.3335	0.017593	-1.4652	0.009861	-1.9372	0.005842
ENSG00000110851.11	PRDM4	0.34496	0.027268	0.91212	0.000328	0.88562	0.000317	0.96682	0.000306
ENSG00000117450.13	PRDX1	-0.2935	0.008346	-0.452	0.000328	-0.4729	0.000317	-0.4875	0.000306
ENSG00000123131.12	PRDX4	0.7274	0.000636	0.88545	0.000328	0.9193	0.000317	0.93638	0.000306
ENSG00000117592.8	PRDX6	0.5018	0.000636	0.72111	0.000328	0.70961	0.000317	0.73671	0.000306
ENSG00000175785.12	PRIMA1	-1.2679	0.000636	-2.8666	0.000328	-2.435	0.000317	-2.7953	0.000306
ENSG00000106617.13	PRKAG2	-0.6076	0.000636	-1.0254	0.000328	-1.1282	0.000317	-1.1761	0.000306
ENSG00000188191.14	PRKAR1B	-1.0751	0.001203	-1.5706	0.002662	-1.4717	0.000317	-1.4502	0.002488
ENSG00000027075.14	PRKCK	1.52501	0.000636	2.25128	0.000328	2.20412	0.000317	1.90396	0.000306
ENSG000000237943.6	PRKCQ-AS1	-1.1747	0.00365	-1.6559	0.000328	-2.496	0.000317	-1.8075	0.000842
ENSG00000184304.14	PRKD1	-1.2829	0.000636	-2.0224	0.000328	-2.0164	0.000317	-2.1468	0.000306
ENSG00000160310.17	PRMT2	0.3469	0.033613	0.75366	0.000328	0.76498	0.000317	0.75249	0.000306
ENSG00000228672.3	PROB1	0.3911	0.001203	0.83569	0.000328	0.82408	0.000317	0.98417	0.000306
ENSG00000147224.10	PRPS1	0.79794	0.000636	1.73226	0.000328	1.32315	0.000317	1.40376	0.000306
ENSG00000184838.14	PRR16	2.87098	0.000636	3.20302	0.000328	2.95157	0.000317	2.38099	0.000842
ENSG00000183248.11	PRR36	-0.632	0.000636	-0.8755	0.000328	-0.7468	0.000317	-0.6976	0.000306
ENSG00000204983.13	PRSS1	-1.9471	0.000636	-2.7432	0.000328	-3.0985	0.000317	-3.047	0.000306
ENSG00000172382.9	PRSS27	-0.9259	0.000636	-0.6792	0.000328	-0.7454	0.000317	-0.748	0.000306
ENSG00000135069.13	PSAT1	-0.4073	0.000636	-1.0263	0.000328	-1.0819	0.000317	-1.1612	0.000306
ENSG00000156011.16	PSD3	1.20615	0.000636	1.48131	0.000328	1.40716	0.000317	1.48244	0.000306
ENSG00000109002.10	PSMA6	0.38433	0.036741	0.70578	0.000328	0.69901	0.000317	0.72497	0.000306
ENSG00000099341.11	PSMD8	0.3526	0.003189	0.75231	0.000328	0.7952	0.000317	0.88143	0.000306
ENSG00000092010.14	PSME1	-0.4026	0.000636	-0.3141	0.013889	-0.3281	0.009698	-0.3093	0.015125
ENSG00000146733.13	PSPH	-0.6281	0.000636	-1.0531	0.000328	-1.1628	0.000317	-1.1824	0.000306
ENSG00000171611.9	PTCRA	Inf	0.000636	Inf	0.000328	Inf	0.000317	Inf	0.000306
ENSG00000171522.5	PTGER4	2.72917	0.000636	4.48273	0.000328	4.52946	0.000317	4.23231	0.000306

ENSG00000148344.10	PTGES	-1.1837	0.000636	-2.2461	0.000328	-2.1618	0.000317	-1.8554	0.000306
ENSG00000122420.9	PTGFR	-0.5807	0.000636	-0.9205	0.000328	-0.9354	0.000317	-1.0331	0.000306
ENSG00000196396.9	PTPN1	0.31272	0.004576	0.60384	0.000328	0.64402	0.000317	0.64285	0.000306
ENSG00000163629.12	PTPN13	-0.2645	0.020495	-0.4786	0.000328	-0.3985	0.000317	-0.5091	0.000306
ENSG00000072135.12	PTPN18	0.59505	0.001724	0.64524	0.000328	0.61456	0.000881	0.57883	0.002488
ENSG00000070778.12	PTPN21	2.35085	0.000636	3.90795	0.000328	3.86769	0.000317	4.03864	0.000306
ENSG00000149177.12	PTPRJ	0.65126	0.000636	0.68358	0.000328	0.69171	0.000317	0.67468	0.000306
ENSG00000173482.16	PTPRM	1.56768	0.000636	2.54514	0.000328	2.56822	0.000317	2.69411	0.000306
ENSG00000155093.17	PTPRN2	0.45534	0.000636	1.47547	0.000328	1.49222	0.000317	1.62447	0.000306
ENSG00000153233.12	PTPRR	-1.3109	0.000636	-0.9903	0.014599	-1.4548	0.001638	-1.6244	0.000306
ENSG00000177469.12	PTRF	-0.7509	0.000636	-1.1313	0.000328	-0.9924	0.000317	-1.2871	0.000306
ENSG00000130021.13	PUDP	0.37292	0.042044	0.54731	0.006151	0.56691	0.00188	0.76543	0.000306
ENSG00000073008.14	PVR	0.33424	0.020236	0.43505	0.000622	0.48352	0.00758	0.53388	0.000306
ENSG00000168297.15	PXK	-0.3318	0.016627	-0.6772	0.000328	-0.5632	0.000317	-0.5336	0.000306
ENSG00000104524.13	PYCRL	0.58136	0.000636	0.46906	0.000906	0.5337	0.000317	0.62828	0.000306
ENSG00000100994.11	PYGB	0.29713	0.024249	0.92348	0.000328	0.95893	0.000317	1.05023	0.000306
ENSG00000100504.16	PYGL	0.64311	0.000636	0.7922	0.000328	0.8192	0.000317	0.76259	0.000306
ENSG00000139832.4	RAB20	0.37515	0.00716	0.75405	0.000328	0.80293	0.000317	0.79042	0.000306
ENSG00000132698.14	RAB25	-0.5906	0.000636	-0.701	0.000328	-0.7222	0.000317	-0.7094	0.000306
ENSG00000167964.12	RAB26	0.56186	0.000636	1.0845	0.000328	1.0011	0.000317	1.06516	0.000306
ENSG00000117280.12	RAB29	0.59917	0.000636	0.84582	0.000328	0.93958	0.000317	0.86608	0.000306
ENSG00000118508.4	RAB32	0.61461	0.000636	0.92421	0.000328	0.89076	0.000317	0.89111	0.000306
ENSG00000100228.12	RAB36	-0.627	0.000636	-0.8133	0.000328	-0.6659	0.002354	-0.7866	0.000306
ENSG00000169213.6	RAB3B	1.80898	0.000636	2.59619	0.000328	2.68862	0.000317	2.69897	0.000306
ENSG00000105514.7	RAB3D	0.49675	0.007566	0.85222	0.000328	0.92091	0.000317	0.95344	0.000306
ENSG00000168118.11	RAB4A	0.88107	0.000636	1.81095	0.000328	1.73184	0.000317	1.96638	0.000306
ENSG00000222014.5	RAB6C	0.8829	0.000636	1.18202	0.000328	1.15028	0.000317	1.29844	0.000306
ENSG00000225449.3	RAB6C-AS1	1.71497	0.000636	2.53834	0.000328	2.5559	0.000317	2.44869	0.000306
ENSG00000105404.10	RABAC1	0.36216	0.004576	1.19409	0.000328	1.18298	0.000317	1.16084	0.000306
ENSG00000169750.8	RAC3	-0.384	0.001203	-0.3914	0.000328	-0.3302	0.006012	-0.3181	0.006421
ENSG00000164520.11	RAET1E	3.58938	0.008346	3.49024	0.00594	3.41984	0.012392	3.81489	0.004819
ENSG00000131831.17	RAI2	-0.8481	0.00912	-0.7049	0.004476	-0.6001	0.009154	-0.5468	0.022678
ENSG00000170471.14	RALGAPB	0.36019	0.015617	0.48912	0.000328	0.58759	0.000317	0.55662	0.000306
ENSG00000184672.11	RALYL	1.09326	0.000636	1.18559	0.000328	1.17419	0.000317	1.10641	0.000306
ENSG00000132329.10	RAMP1	0.61232	0.000636	0.51316	0.000328	0.49879	0.000317	0.53786	0.000306
ENSG00000153201.15	RANBP2	0.37783	0.005467	0.82549	0.000328	0.88276	0.000317	0.86087	0.000306
ENSG00000127314.17	RAP1B	0.39701	0.007968	0.59944	0.000328	0.63901	0.000317	0.57436	0.000306
ENSG00000125249.6	RAP2A	-0.3848	0.010622	-0.6109	0.000328	-0.5462	0.000317	-0.5924	0.000306
ENSG00000181467.4	RAP2B	-1.3811	0.000636	-1.7444	0.000328	-1.7749	0.000317	-1.8176	0.000306
ENSG00000136237.18	RAPGEF5	0.43365	0.016627	0.59689	0.000328	0.50417	0.003256	0.53097	0.001815
ENSG00000131759.17	RARA	-0.819	0.000636	-0.8121	0.000328	-0.7598	0.000317	-0.6457	0.000306
ENSG00000133321.10	RARRS3	-2.2562	0.000636	-2.8495	0.000328	-2.4717	0.000317	-3.0758	0.000306
ENSG00000113643.8	RARS	0.27454	0.034154	0.51178	0.000328	0.49317	0.000317	0.50937	0.000306
ENSG00000146282.17	RARS2	0.3975	0.004109	0.90265	0.000328	0.88544	0.000317	1.00714	0.000306
ENSG00000108551.4	RASD1	0.5156	0.00716	1.23876	0.000328	1.24005	0.000317	1.33284	0.000306
ENSG00000100302.6	RASD2	-0.8083	0.026079	-1.0347	0.004258	-1.5422	0.000317	-1.3047	0.001815
ENSG00000172575.11	RASGRP1	-1.2039	0.000636	-1.9594	0.000328	-2.2243	0.000317	-1.9383	0.000306
ENSG00000101265.15	RASSF2	-0.5527	0.000636	-1.1123	0.000328	-1.2201	0.000317	-1.016	0.000306
ENSG00000153179.12	RASSF3	1.55357	0.000636	1.59914	0.000328	1.63103	0.000317	1.64096	0.000306
ENSG00000266094.7	RASSF5	-0.8278	0.000636	-1.1778	0.000328	-1.035	0.000317	-1.2885	0.000306
ENSG00000162437.14	RAVER2	-0.3136	0.046954	-0.7989	0.000328	-0.7773	0.000317	-0.7317	0.000306
ENSG00000130701.3	RBBP8NL	-0.316	0.027268	-0.6399	0.000328	-0.4485	0.00114	-0.6646	0.000306
ENSG00000112183.14	RBM24	-0.5567	0.000636	-0.5529	0.000328	-0.3753	0.007388	-0.4174	0.002042
ENSG00000132819.16	RBM38	-0.3924	0.000636	-0.6674	0.000328	-0.7399	0.000317	-0.6966	0.000306
ENSG00000144642.21	RBMS3	-0.9507	0.000636	-2.0561	0.000328	-2.2196	0.000317	-2.5497	0.000306
ENSG00000139194.7	RBP5	-1.8748	0.000636	-2.3732	0.000328	-2.225	0.000317	-2.0802	0.000306
ENSG00000172348.14	RCAN2	-1.3141	0.000636	-1.5087	0.000328	-1.1208	0.000317	-1.2678	0.000306
ENSG00000179051.13	RCC2	-0.3534	0.000636	-0.9299	0.000328	-0.9135	0.000317	-0.9093	0.000306
ENSG00000167771.5	RCOR2	-1.361	0.000636	-1.521	0.000328	-1.611	0.000317	-1.9188	0.000306
ENSG00000121039.9	RDH10	-2.1939	0.001203	-2.7648	0.001944	-2.5926	0.003484	-2.6181	0.030818
ENSG00000240857.1	RDH14	0.43305	0.01426	0.64989	0.000328	0.51544	0.000604	0.4583	0.008139
ENSG00000068615.17	REEP1	-1.8367	0.000636	-3.9119	0.000328	-2.8904	0.000317	-3.2746	0.000306
ENSG00000132563.15	REEP2	-0.9766	0.000636	-0.8281	0.000328	-0.9259	0.000317	-1.1332	0.000306
ENSG00000129625.12	REEP5	0.41521	0.012475	0.90491	0.000328	0.93006	0.000317	0.92594	0.000306
ENSG00000181826.9	RELL1	-0.4223	0.00634	-0.8267	0.000328	-0.8739	0.000317	-0.8819	0.000306
ENSG00000174236.3	REP15	2.80025	0.00365	3.83072	0.000328	3.84567	0.000317	3.79632	0.000582
ENSG00000080298.15	RFX3	-0.85	0.001724	-1.5384	0.000328	-1.2633	0.000317	-1.696	0.000306
ENSG00000143344.15	RGL1	-0.7094	0.000636	-0.7016	0.000328	-0.8688	0.000317	-0.8338	0.000306
ENSG00000182175.13	RGMA	-1.1647	0.002716	-2.7548	0.000328	-2.1878	0.000317	-2.4056	0.000306
ENSG00000148908.14	RGS10	-0.545	0.000636	-1.1017	0.000328	-1.1371	0.000317	-0.9661	0.000306
ENSG00000171700.13	RGS19	-0.7755	0.000636	-0.5661	0.007371	-0.6746	0.000604	-0.3909	0.047875
ENSG00000108370.16	RGS9	-0.4741	0.01178	-0.9763	0.000328	-1.0301	0.000317	-0.9396	0.000306
ENSG00000132677.12	RHBG	-0.9363	0.013889	-1.3765	0.000906	-1.2339	0.000317	-1.2504	0.001335
ENSG00000116574.5	RHO	3.47656	0.000636	4.56049	0.000328	4.56996	0.000317	4.63892	0.000306
ENSG00000104140.6	RHOV	-0.3316	0.013889	-0.4615	0.000622	-0.4635	0.000317	-0.4119	0.001335
ENSG00000254389.3	RHPN1-AS1	-0.4192	0.013548	-0.4135	0.018405	-0.548	0.001393	-0.5149	0.00422
ENSG00000131941.7	RHPN2	0.37575	0.041763	0.63388	0.000328	0.67963	0.000317	0.66416	0.000306
ENSG00000150977.10	RILPL2	-1.1118	0.000636	-1.2119	0.000328	-1.2062	0.000317	-1.2518	0.000306
ENSG00000101098.12	RIMS4	-1.2126	0.000636	-1.9907	0.000328	-1.8177	0.000317	-1.931	0.000306
ENSG00000174791.10	RIN1	-3.6367	0.027007	-3.1742	0.029763	-3.3377	0.024792	-2.8451	0.015281
ENSG00000058729.10	RIOK2	0.36241	0.027853	0.45202	0.005344	0.39663	0.011308	0.54338	0.013954
ENSG00000101782.14	RIOK3	0.35304	0.037348	0.74631	0.000328	0.86254	0.000317	0.92646	0.000306

ENSG00000258818.3	RNASE4	0.66285	0.001724	1.39816	0.000328	1.42164	0.000317	1.48542	0.000306
ENSG00000115963.13	RND3	2.00671	0.000636	1.65138	0.000328	1.59687	0.000317	1.61271	0.000306
ENSG00000113269.13	RNF130	-0.4879	0.000636	-0.8003	0.000328	-0.9243	0.000317	-0.8922	0.000306
ENSG00000141622.13	RNF165	-0.9904	0.00634	-2.2756	0.000328	-2.0345	0.000317	-1.9977	0.000306
ENSG00000180537.12	RNF182	-0.9512	0.035335	-1.6201	0.000328	-1.6095	0.000317	-1.2319	0.004424
ENSG00000121481.10	RNF2	0.67196	0.012847	0.70872	0.003124	0.80231	0.000317	0.86941	0.000306
ENSG00000212864.3	RNF208	-0.8427	0.000636	-0.6827	0.000328	-0.8726	0.000317	-0.777	0.000306
ENSG00000146373.16	RNF217	-2.2033	0.000636	-2.1798	0.000328	-2.1835	0.000317	-1.229	0.031799
ENSG00000101236.16	RNF24	-1.0854	0.000636	-1.3511	0.000328	-1.2613	0.000317	-1.4409	0.000306
ENSG00000108375.12	RNF43	-1.1712	0.000636	-1.5733	0.000622	-1.4117	0.00188	-1.8127	0.000306
ENSG00000184719.11	RNLS	-1.86	0.000636	-3.0605	0.000328	-3.9921	0.000317	-3.7332	0.000842
ENSG00000185483.11	ROR1	0.71431	0.00365	1.362	0.000328	1.45105	0.000317	1.37445	0.000306
ENSG00000215158.9	RP11-1023L17.1	-1.3505	0.000636	-1.6593	0.000328	-1.4513	0.000317	-1.7241	0.000306
ENSG00000262877.4	RP11-1055B8.4	-0.7965	0.000636	-0.7877	0.000328	-0.7033	0.001393	-0.8082	0.000582
ENSG00000233728.1	RP11-109P14.9	0.96546	0.048034	1.02453	0.036506	1.13819	0.013262	1.03231	0.0311
ENSG00000271327.1	RP11-1109F11.3	-0.9615	0.029599	-1.759	0.002894	-1.2967	0.003702	-2.7782	0.002262
ENSG00000282944.1	RP11-1216L17.1	2.03615	0.00716	2.61523	0.000622	2.54018	0.000604	2.35694	0.001091
ENSG00000234432.4	RP11-1275H24.1	-0.6578	0.000636	-0.9209	0.000328	-0.8699	0.000317	-0.839	0.000306
ENSG00000251634.2	RP11-1280N14.3	-1.2717	0.000636	-1.5663	0.000328	-1.3714	0.000317	-1.5042	0.000306
ENSG00000179978.11	RP11-1319K7.1	-0.7997	0.003189	-0.9539	0.00144	-1.4919	0.000317	-1.2632	0.000306
ENSG00000230847.4	RP11-195E2.1	-2.7581	0.000636	-3.0407	0.000328	-2.8087	0.000317	-3.9508	0.000306
ENSG00000264207.1	RP11-196G18.23	-0.408	0.023657	-0.7604	0.000328	-0.7829	0.000317	-0.8157	0.000306
ENSG00000273270.1	RP11-212P7.2	-0.5832	0.000636	-0.4693	0.000328	-0.4955	0.000317	-0.4491	0.000306
ENSG00000261578.1	RP11-21L23.2	1.44672	0.000636	2.94711	0.000328	2.99809	0.000317	2.96549	0.000306
ENSG00000261437.1	RP11-22C11.2	-0.5277	0.017944	-1.1008	0.000328	-0.8749	0.000317	-0.6296	0.00422
ENSG00000116883.8	RP11-268J15.5	1.5661	0.008725	3.60303	0.000328	3.52417	0.000317	3.74457	0.000306
ENSG00000203644.3	RP11-332M2.1	0.70656	0.014931	0.9972	0.000328	1.07558	0.000317	1.0414	0.000306
ENSG00000238009.6	RP11-34P13.7	0.98334	0.003189	1.04094	0.000328	1.12297	0.000317	1.23069	0.000306
ENSG00000270074.1	RP11-351I21.11	-0.6682	0.000636	-1.1508	0.000328	-1.2097	0.000317	-1.1437	0.000306
ENSG00000273015.2	RP11-352M15.2	-0.4932	0.000636	-0.2675	0.030514	-0.3778	0.001393	-0.3248	0.006035
ENSG00000272631.1	RP11-359E3.4	0.74559	0.00365	1.3384	0.000328	1.21148	0.000317	1.24722	0.000306
ENSG00000269984.1	RP11-362K14.5	-0.724	0.001203	-0.893	0.000328	-0.9591	0.000317	-0.7297	0.000582
ENSG00000231527.5	RP11-374M1.2	-1.1574	0.012475	-1.2064	0.005552	-0.871	0.032688	-1.1289	0.005639
ENSG00000255353.1	RP11-382M14.1	3.20217	0.00223	2.17212	0.011251	2.11707	0.011821	2.28137	0.009417
ENSG00000260337.3	RP11-386M24.6	1.67249	0.031921	1.59435	0.02584	1.54076	0.030078	1.55962	0.026287
ENSG00000261292.2	RP11-389G6.3	-0.5823	0.029019	-0.7805	0.002662	-0.7123	0.006012	-0.5624	0.033126
ENSG00000278952.1	RP11-399J13.2	-1.0521	0.000636	-0.9454	0.000328	-1.3466	0.000317	-1.0439	0.000306
ENSG00000278965.1	RP11-39H3.2	1.82185	0.000636	2.00881	0.000328	1.91827	0.000317	2.07268	0.000306
ENSG00000272419.6	RP11-403I13.8	0.69991	0.002716	0.99088	0.000328	1.34631	0.000317	0.99668	0.000306
ENSG00000250386.1	RP11-432M8.11	#NAME?	0.005467	#NAME?	0.005134	#NAME?	0.004355	#NAME?	0.004819
ENSG00000277559.1	RP11-434E6.4	-0.943	0.000636	-1.1951	0.000328	-1.3136	0.000317	-1.5838	0.000306
ENSG00000215246.5	RP11-43F13.3	1.04429	0.000636	1.30674	0.000328	1.40456	0.000317	1.35886	0.000306
ENSG00000269926.1	RP11-442H21.2	-0.5337	0.017944	-0.7789	0.000328	-0.8932	0.000317	-0.9599	0.000306
ENSG00000273329.1	RP11-448A19.1	-0.3197	0.047769	-0.6006	0.000328	-0.7649	0.000317	-0.7716	0.000306
ENSG00000228106.5	RP11-452F19.3	-5.3673	0.000636	-4.5074	0.000328	-5.3208	0.000317	-5.07	0.000306
ENSG00000267414.1	RP11-456K23.1	0.78931	0.03304	1.49658	0.000328	1.50585	0.000317	1.17568	0.000306
ENSG00000214796.8	RP11-480I12.5	-0.6935	0.000636	-0.887	0.000328	-1	0.000317	-0.9547	0.000306
ENSG00000254162.1	RP11-48B3.3	0.99752	0.007968	1.44865	0.000328	1.64094	0.000317	1.23334	0.000842
ENSG00000260317.1	RP11-48B3.4	1.27056	0.000636	1.48593	0.000328	1.42201	0.000317	1.33015	0.000306
ENSG00000279561.2	RP11-4L24.4	-0.5085	0.00949	-0.7029	0.000328	-0.3994	0.046674	-0.5999	0.002262
ENSG00000227141.2	RP11-545A16.3	1.43178	0.003189	1.41324	0.002894	1.45816	0.00114	1.59829	0.000842
ENSG00000257951.2	RP11-554D14.4	-2.2483	0.000636	-3.0498	0.000328	-2.5088	0.000317	-3.2629	0.000306
ENSG00000246465.1	RP11-57A19.2	-0.5781	0.000636	-1.499	0.000328	-1.3451	0.000317	-1.6204	0.000306
ENSG00000260244.1	RP11-588K22.2	0.48887	0.000636	0.68626	0.000328	0.6074	0.000317	0.56878	0.000306
ENSG00000260285.1	RP11-600F24.7	0.63959	0.000636	0.83966	0.000328	0.65902	0.000317	0.84701	0.000306
ENSG00000261220.2	RP11-629O1.2	-0.6182	0.049223	-1.1963	0.000328	-1.2138	0.000317	-1.0764	0.001335
ENSG00000258377.1	RP11-649E7.5	0.30234	0.015959	0.49511	0.000328	0.50569	0.000317	0.52573	0.000306
ENSG00000259583.2	RP11-66B24.4	2.06741	0.000636	2.6183	0.000328	2.68474	0.000317	2.72833	0.000306
ENSG00000278058.1	RP11-70D24.2	2.44586	0.021069	3.63309	0.001184	3.41811	0.002816	3.74268	0.001091
ENSG00000269226.7	RP11-722G7.1	-0.9967	0.000636	-2.439	0.000328	-2.2601	0.000317	-2.2747	0.000306
ENSG00000249392.1	RP11-725D20.1	-2.1699	0.001724	-3.2823	0.005747	-3.6811	0.004135	-3.6298	0.013281
ENSG00000272769.1	RP11-725P16.2	-1.1315	0.039921	-1.1515	0.027761	-1.2708	0.020434	-1.2495	0.020035
ENSG00000258819.1	RP11-7F17.3	2.07	0.033347	2.85822	0.000906	2.41311	0.003915	2.21818	0.010831
ENSG00000261068.2	RP11-7K24.3	0.67788	0.000636	1.14239	0.000328	1.22756	0.000317	1.10901	0.000306
ENSG00000261554.1	RP11-810K23.10	-0.4049	0.00949	-0.566	0.000622	-0.6972	0.000317	-0.6477	0.000306
ENSG00000280254.1	RP11-81A22.4	-0.4303	0.027596	-0.3908	0.04	-0.5434	0.004135	-0.4787	0.010831
ENSG00000250138.4	RP11-848G14.5	-1.132	0.000636	-1.2051	0.000328	-1.0445	0.000317	-1.0715	0.000306
ENSG00000267026.5	RP11-92C4.3	2.40508	0.000636	2.63641	0.000328	2.92013	0.000317	2.14407	0.000306
ENSG00000183458.13	RP11-958N24.1	-0.4503	0.00912	-0.5536	0.000622	-0.6295	0.000317	-0.5316	0.001578
ENSG00000198237.8	RP11-98J23.2	-1.5156	0.000636	-1.5487	0.000328	-1.416	0.000317	-1.7982	0.000306
ENSG00000260920.2	RP1-228H13.5	-0.3982	0.008346	-0.5317	0.000906	-0.6344	0.000317	-0.4982	0.000582
ENSG00000279314.1	RP1-257C22.2	1.90229	0.026079	2.59756	0.003352	2.27493	0.005597	2.22054	0.007197
ENSG00000256943.1	RP13-895J2.2	-1.3017	0.042881	-1.9099	0.009169	-2.2039	0.008971	-1.9497	0.024487
ENSG00000278872.1	RP13-895J2.4	-1.1329	0.011425	-1.6948	0.009919	-1.6084	0.008393	-2.3474	0.005639
ENSG00000259943.1	RP1-39G22.7	-0.3224	0.041763	-0.3621	0.016015	-0.4112	0.005809	-0.3204	0.03706
ENSG00000272189.1	RP3-325F22.5	0.93807	0.040414	1.51579	0.000328	1.66912	0.000317	1.90947	0.000306
ENSG00000228830.1	RP4-781K5.2	-0.6566	0.001724	-0.935	0.000328	-1.0346	0.000317	-1.0942	0.000306
ENSG00000254610.2	RP5-903G2.2	-1.5174	0.048735	-1.6574	0.029308	-1.6653	0.030379	-1.7566	0.024946
ENSG00000164610.8	RP9	-0.406	0.019609	-0.451	0.009919	-0.5384	0.00114	-0.4945	0.006612
ENSG00000163584.17	RPL22L1	0.38427	0.00716	0.42503	0.004687	0.45441	0.00114	0.43648	0.003593
ENSG00000118705.16	RPN2	0.31934	0.002716	0.56805	0.000328	0.59647	0.000317	0.62669	0.000306
ENSG00000148688.13	RPP30	0.52378	0.000636	0.61766	0.000328	0.69	0.000317	0.62939	0.000306

ENSG00000072133.10	RPS6KA6	0.35847	0.021709	0.72653	0.000328	0.75905	0.000317	0.75187	0.000306
ENSG000000136643.11	RPS6KC1	0.92398	0.000636	1.32561	0.000328	1.38727	0.000317	1.44679	0.000306
ENSG000000126458.3	RRAS	0.91592	0.000636	1.87128	0.000328	1.77503	0.000317	2.04007	0.000306
ENSG000000125844.15	RRBP1	0.49795	0.000636	0.9053	0.000328	1.02679	0.000317	1.11327	0.000306
ENSG000000137876.9	RSL24D1	-0.4269	0.000636	-0.8607	0.000328	-0.9034	0.000317	-0.9492	0.000306
ENSG000000137996.12	RTCA	0.3499	0.008725	0.65206	0.000328	0.68545	0.000317	0.72884	0.000306
ENSG000000139970.16	RTN1	0.49151	0.001724	0.90094	0.000328	1.07271	0.000317	0.94163	0.000306
ENSG00000040608.13	RTN4R	-0.7056	0.000636	-1.0933	0.000328	-0.9895	0.000317	-1.2258	0.000306
ENSG000000185924.6	RTN4RL1	-1.5188	0.000636	-1.7315	0.000328	-1.7888	0.000317	-1.842	0.000306
ENSG000000198863.7	RUNDC1	0.3325	0.006762	0.44945	0.000328	0.48843	0.000317	0.53048	0.000306
ENSG000000111832.12	RWDD1	0.39502	0.017586	0.47239	0.007782	0.39587	0.014859	0.34323	0.032077
ENSG000000186350.9	RXRA	-0.4444	0.001203	-0.6464	0.000328	-0.5009	0.000317	-0.4914	0.001335
ENSG000000163191.5	S100A11	0.94349	0.000636	1.36169	0.000328	1.36808	0.000317	1.41408	0.000306
ENSG000000189334.8	S100A14	-1.2628	0.000636	-2.1745	0.000328	-2.2427	0.000317	-2.2433	0.000306
ENSG000000188643.10	S100A16	-0.8674	0.030162	-1.3039	0.005552	-1.0096	0.01004	-0.7824	0.043367
ENSG000000163993.6	S100P	1.10212	0.02396	2.37763	0.000328	2.47931	0.000317	2.41891	0.000306
ENSG000000213694.3	S1PR3	-0.3582	0.031008	-1.0603	0.000328	-1.046	0.000317	-1.3025	0.000306
ENSG000000151835.14	SACS	1.03439	0.000636	1.07447	0.000328	1.08047	0.000317	0.97727	0.000306
ENSG000000020577.13	SAMD4A	-1.4844	0.000636	-1.5959	0.000328	-1.2845	0.000317	-1.3918	0.001335
ENSG000000203727.3	SAMD5	-0.7823	0.007566	-1.4382	0.000328	-1.4737	0.000317	-1.8115	0.000306
ENSG000000101347.8	SAMHD1	-0.8262	0.000636	-1.3999	0.000328	-1.4528	0.000317	-1.4574	0.000306
ENSG000000133872.13	SARAF	0.35823	0.000636	0.79609	0.000328	0.79609	0.000317	0.82669	0.000306
ENSG000000031698.12	SARS	-0.2902	0.020778	-0.4085	0.000328	-0.4378	0.000317	-0.4407	0.000306
ENSG000000111961.17	SASH1	0.87824	0.000636	1.5964	0.000328	1.61954	0.000317	1.68836	0.000306
ENSG000000130066.16	SAT1	1.82634	0.000636	3.26478	0.000328	3.29045	0.000317	3.37387	0.000306
ENSG000000126524.9	SBDS	0.35699	0.024249	0.52848	0.000328	0.60647	0.000317	0.61784	0.000306
ENSG000000188322.4	SBK1	-0.9326	0.000636	-1.141	0.000328	-1.1762	0.000317	-1.1763	0.000306
ENSG000000109929.9	SC5D	0.80353	0.000636	1.49092	0.000328	1.46086	0.000317	1.488	0.000306
ENSG000000114650.18	SCAP	0.55695	0.000636	1.43118	0.000328	1.37518	0.000317	1.55246	0.000306
ENSG000000099194.5	SCD	0.44776	0.000636	0.78466	0.000328	0.81327	0.000317	0.85452	0.000306
ENSG000000145284.11	SCD5	-1.4735	0.000636	-2.0667	0.000328	-2.1902	0.000317	-2.134	0.000306
ENSG0000000281131.1	SCHLAP1	0.68998	0.000636	1.05915	0.000328	1.05267	0.000317	1.11304	0.000306
ENSG000000177098.8	SCN4B	-1.7549	0.000636	-2.7059	0.000328	-3.5492	0.000317	-3.6865	0.000306
ENSG000000153130.17	SCOC	0.40658	0.000636	0.62526	0.000328	0.6093	0.000317	0.6042	0.000306
ENSG000000115884.10	SDC1	-0.5397	0.00223	-0.6306	0.000328	-0.8605	0.000317	-0.5817	0.009602
ENSG000000169439.11	SDC2	-1.432	0.000636	-1.7383	0.000328	-1.7251	0.000317	-1.7153	0.000306
ENSG000000124145.6	SDC4	-1.265	0.000636	-1.602	0.000328	-1.6519	0.000317	-1.7039	0.000306
ENSG000000137575.11	SDCBP	0.49271	0.000636	0.84928	0.000328	0.86037	0.000317	0.89485	0.000306
ENSG000000146555.18	SDK1	2.40039	0.001724	3.42768	0.000328	3.54599	0.000317	3.59125	0.000306
ENSG000000166562.8	SEC11C	0.81732	0.000636	1.49197	0.000328	1.50752	0.000317	1.55161	0.000306
ENSG000000150961.14	SEC24D	0.47992	0.000636	1.18998	0.000328	1.23669	0.000317	1.24237	0.000306
ENSG000000106803.9	SEC61B	0.49188	0.000636	0.90175	0.000328	0.92741	0.000317	0.93814	0.000306
ENSG000000132432.13	SEC61G	0.53772	0.000636	1.00264	0.000328	0.97879	0.000317	1.01489	0.000306
ENSG000000143416.20	SELENBP1	-1.2715	0.000636	-1.1375	0.000328	-1.0982	0.000317	-1.0429	0.000306
ENSG000000250722.5	SELENOP	0.87888	0.000636	1.7583	0.000328	1.77242	0.000317	1.82366	0.000306
ENSG000000131871.14	SELENOS	0.40799	0.00223	1.10718	0.000328	1.08887	0.000317	1.15249	0.000306
ENSG000000012171.19	SEMA3B	-0.4212	0.00634	-0.3298	0.04265	-0.5318	0.000317	-0.5428	0.000306
ENSG000000001617.11	SEMA3F	-0.8505	0.000636	-0.9826	0.000622	-0.974	0.000317	-0.9565	0.000842
ENSG000000168758.10	SEMA4C	-0.6291	0.000636	-0.7167	0.000328	-0.6586	0.000317	-0.7696	0.000306
ENSG000000092421.16	SEMA6A	-0.9997	0.000636	-0.8438	0.000328	-0.8283	0.000317	-0.9937	0.000306
ENSG000000167680.15	SEMA6B	-3.2273	0.000636	-4.4719	0.000328	-4.2821	0.000317	-4.4673	0.000306
ENSG000000137872.16	SEMA6D	5.44234	0.000636	6.45482	0.000328	6.7417	0.000317	6.41249	0.000306
ENSG000000138758.11	SEPTIN11	-0.4148	0.006762	-0.8547	0.000328	-0.6878	0.002116	-0.7243	0.000582
ENSG000000100167.19	SEPTIN3	-0.7039	0.000636	-1.2109	0.000328	-1.1122	0.000317	-1.0967	0.000306
ENSG000000184702.17	SEPTIN5	-0.2965	0.04337	-0.475	0.006774	-0.481	0.00188	-0.5855	0.000306
ENSG000000125354.22	SEPTIN6	-0.7461	0.000636	-0.9727	0.000328	-0.8548	0.000317	-0.8348	0.000306
ENSG000000164300.16	SERINC5	0.51012	0.000636	0.78388	0.000328	0.86626	0.000317	0.8665	0.000306
ENSG000000206075.13	SERPINEB5	-0.2904	0.02396	-0.3896	0.000328	-0.4542	0.000317	-0.3891	0.000306
ENSG000000135919.12	SERPINE2	0.40996	0.00223	0.44303	0.000622	0.34848	0.006204	0.38692	0.009067
ENSG000000163536.12	SERPINI1	-2.4316	0.000636	-3.5223	0.000328	-3.1544	0.000317	-3.0375	0.000306
ENSG000000080546.13	SESN1	-0.4992	0.000636	-0.847	0.000328	-0.8248	0.000317	-0.8811	0.000306
ENSG000000130766.4	SESN2	-0.6543	0.000636	-0.9415	0.000328	-0.9514	0.000317	-0.9467	0.000306
ENSG000000149212.11	SESN3	-0.7676	0.000636	-0.9237	0.000328	-0.9477	0.000317	-0.9495	0.000306
ENSG000000169976.6	SF3B5	0.28403	0.012136	0.54332	0.000328	0.59347	0.000317	0.60564	0.000306
ENSG000000115128.6	SF3B6	0.2816	0.014931	0.30978	0.00594	0.3173	0.005184	0.31183	0.003593
ENSG000000175793.11	SFN	0.75491	0.009854	0.8984	0.002183	1.10968	0.000317	1.28044	0.000306
ENSG000000198818.9	SFT2D1	0.30247	0.014587	0.49256	0.000328	0.54685	0.000317	0.52623	0.000306
ENSG000000156398.12	SFXN2	0.86252	0.000636	0.73636	0.002183	0.76231	0.002354	0.58958	0.019572
ENSG000000176476.8	SGF29	-0.5461	0.004109	-0.6281	0.000328	-0.7054	0.000317	-0.7657	0.000306
ENSG000000104205.12	SGK3	1.0429	0.000636	1.70747	0.000328	1.60981	0.000317	1.5344	0.000306
ENSG000000131171.12	SH3BGR1	0.97141	0.000636	1.66214	0.000328	1.73593	0.000317	1.72803	0.000306
ENSG000000198478.7	SH3BGR12	-0.3823	0.01178	-0.5417	0.000328	-0.7717	0.000317	-0.8953	0.000306
ENSG000000131370.15	SH3BP5	-0.6813	0.000636	-1.0482	0.000328	-1.1817	0.000317	-1.2341	0.000306
ENSG0000000214193.10	SH3D21	1.70319	0.000636	3.84649	0.000328	3.83305	0.000317	3.93661	0.000306
ENSG000000147010.17	SH3KBP1	-0.6739	0.00365	-0.9729	0.000328	-0.65	0.034243	-0.7448	0.000306
ENSG000000107957.16	SH3PXD2A	-0.4949	0.012136	-1.1313	0.000328	-1.0258	0.000317	-0.868	0.000306
ENSG000000154447.14	SH3RF1	-0.3947	0.000636	-0.7168	0.000328	-0.667	0.000317	-0.6315	0.000306
ENSG000000172985.10	SH3RF3	-0.5849	0.001724	-1.025	0.000328	-1.0758	0.000317	-1.1231	0.000306
ENSG000000237515.8	SHISA9	-1.1125	0.002716	-1.1637	0.000328	-0.9792	0.001638	-1.153	0.001091
ENSG000000182199.10	SHMT2	-0.2928	0.029599	-0.4985	0.000328	-0.5449	0.000317	-0.5341	0.000306
ENSG000000146950.12	SHROOM2	0.58403	0.000636	1.02782	0.000328	1.22041	0.000317	1.13725	0.000306
ENSG000000181788.3	SIAH2	0.2978	0.015617	0.68127	0.000328	0.71772	0.000317	0.71055	0.000306

ENSG00000149577.15	SIDT2	0.42132	0.012475	1.24507	0.000328	1.28402	0.000317	1.36342	0.000306
ENSG00000116991.10	SIPA1L2	0.40617	0.007566	0.61328	0.000328	0.61409	0.000317	0.50242	0.000306
ENSG00000198053.11	SIRPA	-0.4616	0.004576	-1.2883	0.000328	-1.3016	0.000317	-1.1919	0.000306
ENSG00000096717.11	SIRT1	0.42037	0.012136	0.73021	0.000328	0.8166	0.000317	0.86796	0.000306
ENSG00000100625.8	SIX4	0.58713	0.000636	0.50881	0.003577	0.51724	0.018784	0.52583	0.001091
ENSG00000064651.13	SLC12A2	-0.4099	0.00716	-0.4084	0.003352	-0.3981	0.006599	-0.3665	0.017275
ENSG00000113504.20	SLC12A7	-0.6613	0.000636	-0.7126	0.000328	-0.8072	0.000317	-0.8278	0.000306
ENSG00000163406.10	SLC15A2	3.39813	0.000636	4.35474	0.000328	4.17255	0.000317	4.3507	0.000306
ENSG00000147100.10	SLC16A2	-0.5493	0.000636	-0.4624	0.000328	-0.3408	0.022234	-0.3493	0.01048
ENSG00000108932.11	SLC16A6	1.08921	0.048281	1.35735	0.011251	1.42428	0.00498	1.58897	0.006612
ENSG00000146409.10	SLC18B1	-0.3969	0.000636	-0.9444	0.000328	-0.8807	0.000317	-0.9005	0.000306
ENSG00000117479.12	SLC19A2	0.60509	0.000636	0.85734	0.000328	0.88017	0.000317	0.86834	0.000306
ENSG00000110628.13	SLC22A18	0.41341	0.021069	1.25363	0.000328	1.26361	0.000317	1.37884	0.000306
ENSG00000146477.5	SLC22A3	-0.6568	0.000636	-0.6143	0.000328	-0.6382	0.000317	-0.6282	0.000306
ENSG00000259803.6	SLC22A31	0.56312	0.005022	1.09395	0.000328	1.13682	0.000317	1.34592	0.000306
ENSG00000185052.11	SLC24A3	-1.4482	0.000636	-1.4439	0.000328	-1.2074	0.000317	-1.3748	0.000306
ENSG00000100075.9	SLC25A1	0.34949	0.001203	0.55672	0.000328	0.55591	0.000317	0.67441	0.000306
ENSG00000171612.6	SLC25A33	0.69114	0.000636	0.73775	0.000328	0.74193	0.000317	0.74698	0.000306
ENSG00000147454.13	SLC25A37	0.67087	0.000636	0.73255	0.000328	0.74803	0.000317	0.74645	0.000306
ENSG00000145217.13	SLC26A1	1.00042	0.000636	1.00387	0.000328	0.99644	0.000317	0.96279	0.000306
ENSG00000155850.7	SLC26A2	0.53067	0.030731	0.77918	0.000906	0.80546	0.000604	0.7804	0.001815
ENSG00000167114.12	SLC27A4	0.28777	0.037052	0.29143	0.020056	0.28215	0.03213	0.37653	0.002262
ENSG00000174669.11	SLC29A2	1.00671	0.000636	1.24476	0.000328	1.23565	0.000317	1.22973	0.000306
ENSG00000146411.5	SLC2A12	2.0506	0.000636	3.16518	0.000328	3.16452	0.000317	3.21462	0.000306
ENSG00000151229.12	SLC2A13	-1.4571	0.000636	-1.7536	0.000328	-2.1752	0.000317	-1.9117	0.000306
ENSG00000059804.15	SLC2A3	3.52936	0.000636	5.42331	0.000328	5.27217	0.000317	5.55464	0.000306
ENSG00000181856.14	SLC2A4	1.0678	0.000636	1.74545	0.000328	1.69604	0.000317	1.6298	0.000306
ENSG00000115194.10	SLC30A3	-1.827	0.000636	-3.7906	0.000328	-2.9879	0.000317	-2.797	0.000306
ENSG00000104154.6	SLC30A4	-0.6315	0.000636	-0.5366	0.000328	-0.5491	0.000317	-0.5314	0.000582
ENSG00000162695.11	SLC30A7	0.65534	0.00365	1.03044	0.000328	1.0753	0.000317	1.11332	0.000306
ENSG00000102100.15	SLC35A2	0.31629	0.017586	0.58888	0.000328	0.65482	0.000317	0.72497	0.000306
ENSG00000205060.10	SLC35B4	0.4439	0.014931	0.4949	0.004476	0.52579	0.002816	0.41286	0.01208
ENSG00000080189.14	SLC35C2	0.34768	0.024865	0.64261	0.000328	0.68049	0.000317	0.7157	0.000306
ENSG00000110660.14	SLC35F2	1.56811	0.000636	2.70807	0.000328	2.7192	0.000317	2.77877	0.000306
ENSG00000115084.13	SLC35F5	0.42454	0.020495	0.51333	0.005747	0.52499	0.001638	0.48299	0.01048
ENSG00000123643.12	SLC36A1	0.83657	0.000636	1.0286	0.000328	0.97494	0.000317	1.02292	0.000306
ENSG00000134294.13	SLC38A2	0.60041	0.000636	1.66613	0.000328	1.71675	0.000317	1.74468	0.000306
ENSG00000188338.14	SLC38A3	-1.6306	0.000636	-1.7718	0.000328	-1.7986	0.000317	-1.6379	0.000306
ENSG00000139209.15	SLC38A4	6.06046	0.000636	6.36202	0.000328	6.29341	0.000317	6.31599	0.000306
ENSG00000147804.9	SLC39A4	0.63097	0.000636	0.79693	0.000328	0.75894	0.000317	0.81356	0.000306
ENSG00000141424.12	SLC39A6	0.63819	0.000636	0.72967	0.000328	0.74657	0.000317	0.7515	0.000306
ENSG00000112473.17	SLC39A7	0.3355	0.005467	0.8123	0.000328	0.85242	0.000317	0.89525	0.000306
ENSG00000138821.12	SLC39A8	-0.2642	0.046418	-0.7292	0.000328	-1.0407	0.000317	-1.1589	0.000306
ENSG00000138449.10	SLC40A1	-0.8664	0.040698	-0.9597	0.032946	-0.9521	0.014142	-0.9858	0.012941
ENSG00000133065.10	SLC41A1	1.53985	0.000636	2.70527	0.000328	2.71594	0.000317	2.76513	0.000306
ENSG00000149150.8	SLC43A1	1.28842	0.000636	1.49351	0.000328	1.47802	0.000317	1.52767	0.000306
ENSG00000070214.15	SLC44A1	-0.9922	0.000636	-1.5628	0.000328	-1.524	0.000317	-1.6378	0.000306
ENSG00000204385.10	SLC44A4	0.67373	0.000636	1.32829	0.000328	1.3656	0.000317	1.40151	0.000306
ENSG00000158715.5	SLC45A3	3.07514	0.000636	3.88917	0.000328	3.92042	0.000317	3.99596	0.000306
ENSG00000169241.17	SLC50A1	0.3131	0.015617	1.08999	0.000328	1.12779	0.000317	1.15547	0.000306
ENSG00000198743.6	SLC5A3	-0.3297	0.04153	-0.8104	0.000328	-0.7821	0.000317	-0.9373	0.000306
ENSG00000132164.9	SLC6A11	-0.7508	0.000636	-1.5781	0.000328	-1.2051	0.000317	-1.6667	0.000306
ENSG00000197106.6	SLC6A17	1.28472	0.000636	1.46644	0.000328	1.33312	0.000317	1.51912	0.000306
ENSG00000196517.11	SLC6A9	-0.5393	0.028108	-0.8963	0.001694	-0.8822	0.000881	-0.7419	0.005232
ENSG00000151012.13	SLC7A11	-0.5576	0.000636	-1.1089	0.000328	-1.173	0.000317	-1.2649	0.000306
ENSG00000103257.8	SLC7A5	-0.8813	0.000636	-1.589	0.000328	-1.7362	0.000317	-1.6555	0.000306
ENSG00000090020.10	SLC9A1	-0.46	0.002716	-0.4177	0.007171	-0.4371	0.003484	-0.3069	0.047603
ENSG00000109062.11	SLC9A3R1	-0.5064	0.000636	-0.4266	0.000328	-0.4136	0.000317	-0.3488	0.002042
ENSG00000065054.13	SLC9A3R2	0.48358	0.000636	0.82763	0.000328	0.81437	0.000317	0.86226	0.000306
ENSG00000137571.10	SLC05A1	-0.8487	0.000636	-1.2295	0.000328	-1.1902	0.000317	-1.558	0.000306
ENSG00000133302.12	SLF1	0.55683	0.027853	0.61446	0.019244	0.49925	0.039648	0.65454	0.004424
ENSG00000166750.9	SLFN5	-1.4026	0.000636	-1.2223	0.000328	-1.4975	0.000317	-1.4624	0.000306
ENSG00000165300.7	SLITRK5	-1.5251	0.000636	-2.801	0.000328	-3.0045	0.000317	-2.7888	0.000306
ENSG00000184564.8	SLITRK6	0.48562	0.028108	0.9218	0.000328	0.80041	0.000317	0.89589	0.000306
ENSG00000166949.15	SMAD3	-0.8459	0.020495	-1.166	0.000328	-0.8584	0.026087	-1.0829	0.00401
ENSG00000101665.8	SMAD7	-0.5716	0.005916	-0.9391	0.000622	-0.9736	0.000317	-0.9566	0.000306
ENSG00000080503.22	SMARCA2	1.02052	0.000636	0.97378	0.000328	0.96747	0.000317	1.08484	0.000306
ENSG00000082014.16	SMARCD3	-1.1906	0.000636	-1.3188	0.000328	-1.1599	0.000317	-1.1976	0.000306
ENSG00000101596.14	SMCHD1	0.67065	0.000636	0.93787	0.000328	0.9177	0.000317	0.9225	0.000306
ENSG00000198952.8	SMG5	0.31565	0.01178	0.48937	0.000328	0.52727	0.000317	0.5134	0.000306
ENSG00000178947.8	SMIM10L2A	-0.5098	0.001203	-0.5758	0.000328	-0.5481	0.000317	-0.4241	0.009957
ENSG00000196972.8	SMIM10L2B	0.47466	0.010622	0.70327	0.000328	0.72698	0.000317	0.78834	0.000306
ENSG00000224531.5	SMIM13	1.09474	0.000636	1.30628	0.000328	1.29885	0.000317	1.34095	0.000306
ENSG00000256235.1	SMIM3	-1.8033	0.000636	-3.3315	0.000328	-2.3806	0.000317	-3.3051	0.000306
ENSG00000112562.18	SMOC2	-0.4204	0.040414	-1.1714	0.000328	-1.3039	0.000317	-1.578	0.000306
ENSG00000088826.17	SMOX	-1.2654	0.000636	-0.8902	0.000328	-0.8168	0.000317	-0.9016	0.000306
ENSG00000135587.8	SMPD2	0.49507	0.005467	1.30914	0.000328	1.325	0.000317	1.29713	0.000306
ENSG00000136699.19	SMPD4	0.52046	0.017586	0.46468	0.028655	0.53435	0.006599	0.44411	0.022391
ENSG00000172594.12	SMPDL3A	1.26596	0.000636	1.21668	0.000328	1.25336	0.000317	1.01565	0.000306
ENSG00000130768.14	SMPDL3B	-0.3197	0.023343	-0.6356	0.000328	-0.6299	0.000317	-0.7303	0.000306
ENSG00000102172.15	SMS	1.58648	0.000636	2.77346	0.000328	2.83659	0.000317	2.89336	0.000306
ENSG00000143499.13	SMYD2	1.01617	0.000636	0.73493	0.000328	0.76968	0.000317	0.75141	0.000306

ENSG00000124216.3	SNAI1	-0.7518	0.000636	-1.3687	0.000328	-1.422	0.000317	-1.4521	0.000306
ENSG00000019549.9	SNAI2	4.56864	0.000636	5.84085	0.000328	5.89121	0.000317	5.98081	0.000306
ENSG00000104976.11	SNAPC2	0.62947	0.000636	1.23139	0.000328	1.24933	0.000317	1.33505	0.000306
ENSG00000173267.13	SNCG	0.53875	0.000636	1.01683	0.000328	1.16378	0.000317	1.18935	0.000306
ENSG00000197157.10	SND1	0.37519	0.034774	0.57669	0.000328	0.66984	0.000317	0.69099	0.000306
ENSG00000174365.19	SNHG11	0.46146	0.007566	0.95581	0.000328	0.91211	0.000317	0.97652	0.000306
ENSG00000163788.13	SNRK	-0.4736	0.021709	-0.5264	0.00817	-0.4951	0.016241	-0.6001	0.001578
ENSG00000131876.16	SNRPA1	0.48387	0.000636	0.59829	0.000328	0.51455	0.000317	0.5166	0.000306
ENSG00000100138.13	SNU13	0.46838	0.008725	0.53623	0.000328	0.52035	0.008599	0.53756	0.001578
ENSG00000109762.15	SNX25	0.91674	0.00223	1.7478	0.000328	1.78926	0.000317	1.80093	0.000306
ENSG00000162627.16	SNX7	0.82766	0.000636	0.62774	0.000328	0.56057	0.000317	0.73456	0.000306
ENSG00000057252.12	SOAT1	0.66481	0.026079	0.70207	0.010323	0.83559	0.002116	0.73664	0.004819
ENSG00000120833.13	SOCS2	2.04862	0.000636	3.24804	0.000328	3.29374	0.000317	3.27811	0.000306
ENSG00000109610.5	SOD3	0.73217	0.000636	1.10367	0.000328	1.04145	0.000317	1.16045	0.000306
ENSG00000095637.21	SORBS1	-1.0838	0.000636	-1.4826	0.000328	-1.7547	0.000317	-1.6382	0.000306
ENSG00000140263.13	SORD	1.37261	0.000636	2.36814	0.000328	2.41573	0.000317	2.47718	0.000306
ENSG00000259479.6	SORD2P	1.38677	0.000636	2.31418	0.000328	2.31643	0.000317	2.35152	0.000306
ENSG00000137642.12	SORL1	-0.5706	0.000636	-1.0954	0.000328	-1.1833	0.000317	-1.1803	0.000306
ENSG00000186212.3	SOWAHB	-1.0447	0.000636	-1.4712	0.000328	-1.4892	0.000317	-1.4714	0.000306
ENSG00000124766.6	SOX4	-0.9078	0.000636	-1.3451	0.000328	-1.4049	0.000317	-1.3832	0.000306
ENSG00000005513.9	SOX8	-0.9211	0.000636	-1.8104	0.000328	-1.4302	0.000317	-1.653	0.000306
ENSG00000067066.16	SP100	0.63159	0.014931	1.05169	0.000328	1.12229	0.000317	1.27451	0.000306
ENSG00000189120.4	SP6	-0.2977	0.032799	-0.5845	0.000328	-0.5297	0.000317	-0.4186	0.001091
ENSG00000164651.16	SP8	-0.4979	0.000636	-0.8981	0.000328	-0.9465	0.000317	-0.8755	0.000306
ENSG00000113140.10	SPARC	1.89482	0.014931	2.21041	0.004476	2.39787	0.002354	2.61143	0.001815
ENSG00000152583.12	SPARCL1	2.40086	0.000636	3.11585	0.000328	3.06868	0.000317	3.15855	0.000306
ENSG00000182957.15	SPATA13	0.96827	0.000636	1.45215	0.004026	1.53376	0.005809	1.37392	0.006421
ENSG00000158480.10	SPATA2	0.45764	0.000636	1.09906	0.000328	1.07104	0.000317	1.22053	0.000306
ENSG00000160284.14	SPATC1L	0.33766	0.006762	0.63428	0.000328	0.61494	0.000317	0.64866	0.000306
ENSG00000129128.12	SPCS3	0.65105	0.000636	1.10467	0.000328	1.11783	0.000317	1.18927	0.000306
ENSG00000124664.10	SPDEF	1.24274	0.000636	1.96588	0.000328	2.01316	0.000317	2.13502	0.000306
ENSG00000072195.14	SPEG	-1.9629	0.001203	-1.8577	0.001694	-2.0174	0.000317	-1.9445	0.001091
ENSG00000186787.8	SPIN2B	0.53032	0.021404	0.69693	0.000328	0.85853	0.000317	0.6444	0.001815
ENSG00000152377.13	SPOCK1	2.91329	0.000636	3.38767	0.000328	3.40405	0.000317	3.11321	0.000306
ENSG00000164056.10	SPRY1	-1.108	0.000636	-2.0273	0.000328	-2.0062	0.000317	-1.8628	0.000306
ENSG00000136158.11	SPRY2	0.52992	0.00365	0.84613	0.000328	0.74427	0.000317	0.80861	0.000306
ENSG00000123178.14	SPRYD7	0.95836	0.000636	2.01643	0.000328	1.56004	0.000317	1.81101	0.000306
ENSG00000171621.13	SPSB1	0.9576	0.000636	1.60299	0.000328	1.49134	0.000317	1.60474	0.000306
ENSG00000197694.15	SPTAN1	-0.5634	0.005022	-0.5212	0.001944	-0.4964	0.003039	-0.4121	0.0176
ENSG00000104549.11	SQLE	0.49206	0.000636	0.5203	0.000328	0.53761	0.000317	0.56671	0.000306
ENSG00000137767.13	SQRDL	-1.2614	0.00634	-1.5622	0.000622	-1.6927	0.000317	-1.6383	0.000842
ENSG00000277363.4	SRCIN1	-2.0164	0.000636	-2.0686	0.000328	-1.8005	0.000317	-1.9807	0.000306
ENSG00000075142.13	SRI	0.36834	0.022361	0.40256	0.015125	0.4769	0.003039	0.51368	0.004424
ENSG00000116649.9	SRM	0.32741	0.003189	0.27856	0.01316	0.32389	0.004565	0.37575	0.000582
ENSG00000100883.11	SRP54	1.4928	0.000636	0.55327	0.000328	0.56168	0.000317	0.64966	0.000306
ENSG00000157216.15	SSBP3	-0.6661	0.001203	-1.009	0.000328	-0.9038	0.000317	-0.9483	0.000306
ENSG00000124783.12	SSR1	0.44812	0.009854	0.7221	0.000328	0.77381	0.000317	0.74135	0.000306
ENSG00000114850.6	SSR3	0.7404	0.000636	1.21151	0.000328	1.23601	0.000317	1.2739	0.000306
ENSG00000162009.8	SSTR5	-0.9632	0.000636	-1.5338	0.000328	-1.645	0.000317	-1.6719	0.000306
ENSG00000261713.6	SSTR5-AS1	-1.2309	0.025171	-2.1765	0.000328	-1.634	0.00114	-2.0758	0.019084
ENSG00000008513.14	ST3GAL1	-0.7485	0.000636	-0.8515	0.000328	-0.7712	0.000317	-0.8037	0.000306
ENSG00000166444.18	ST5	-1.2416	0.038527	-1.5603	0.007577	-1.7808	0.000604	-1.7259	0.005434
ENSG00000070526.14	ST6GALNAC1	5.66944	0.000636	6.47827	0.000328	6.5293	0.000317	6.66084	0.000306
ENSG00000004866.20	ST7	-0.4659	0.002716	-0.5162	0.000328	-0.6034	0.000317	-0.5938	0.002042
ENSG00000106610.14	STAG3L4	0.57886	0.000636	0.77901	0.000328	0.76637	0.000317	0.83655	0.000306
ENSG00000178078.11	STAP2	-0.782	0.000636	-0.6529	0.000328	-0.6297	0.000317	-0.6905	0.000306
ENSG00000010270.13	STARD3NL	0.42815	0.000636	0.79591	0.000328	0.80614	0.000317	0.8089	0.000306
ENSG00000159167.11	STC1	-2.1761	0.000636	-3.8718	0.000328	-4.0094	0.000317	-3.717	0.000306
ENSG000000081320.10	STK17B	1.46727	0.000636	2.44604	0.000328	2.39919	0.000317	2.4785	0.000306
ENSG00000104375.15	STK3	-0.5715	0.000636	-0.5432	0.000622	-0.4685	0.003915	-0.5163	0.000842
ENSG00000198648.10	STK39	2.76938	0.000636	3.21394	0.000328	3.24122	0.000317	3.25126	0.000306
ENSG00000165730.14	STOX1	-1.3295	0.000636	-2.3535	0.000328	-2.2587	0.000317	-2.9963	0.000306
ENSG00000165209.18	STRBP	-0.4327	0.000636	-0.8388	0.000328	-0.7863	0.000317	-0.845	0.000306
ENSG00000101846.6	STS	0.47446	0.000636	0.72456	0.000328	0.68412	0.000317	0.77643	0.000306
ENSG00000136854.19	STXBP1	-0.4508	0.027853	-0.5698	0.000622	-0.642	0.000317	-0.5081	0.009067
ENSG00000198252.11	STYX	0.47417	0.000636	0.53454	0.000328	0.49131	0.000317	0.51225	0.000306
ENSG00000088002.11	SULT2B1	-1.7401	0.000636	-2.1865	0.000328	-2.5465	0.000317	-2.5191	0.000306
ENSG00000129103.17	SUMF2	0.53783	0.000636	0.79238	0.000328	0.8052	0.000317	0.856	0.000306
ENSG00000143502.14	SUSD4	-1.5106	0.000636	-2.3347	0.000328	-1.8526	0.000317	-2.5156	0.000306
ENSG00000173705.8	SUSD5	-1.1971	0.000636	-1.2779	0.000328	-1.315	0.000317	-1.253	0.006818
ENSG00000100647.7	SUSD6	-0.9336	0.000636	-1.2375	0.000328	-1.2505	0.000317	-1.3407	0.000306
ENSG00000197321.14	SVIL	-4.7448	0.000636	-4.0039	0.000328	-5.105	0.000317	-2.3328	0.009787
ENSG00000133789.14	SWAP70	0.56153	0.014931	0.47081	0.009354	0.55239	0.004135	0.56172	0.005639
ENSG00000116668.12	SWT1	1.65212	0.000636	2.3835	0.000328	2.60445	0.000317	2.66433	0.000306
ENSG00000147642.16	SYBU	-0.648	0.001724	-1.9171	0.000328	-1.6567	0.000317	-2.1916	0.000306
ENSG00000185666.14	SYN3	#NAME?	0.000636	-2.718	0.00144	#NAME?	0.000317	#NAME?	0.000306
ENSG00000108639.7	SYNGR2	0.45586	0.000636	0.8358	0.000328	0.88855	0.000317	0.92083	0.000306
ENSG00000159082.17	SYNJ1	0.81821	0.026412	1.73638	0.000328	1.7983	0.000317	1.64943	0.000306
ENSG00000171992.12	SYNPO	-1.6932	0.000636	-2.0475	0.000328	-2.3071	0.000317	-2.4582	0.000306
ENSG00000008282.8	SYPL1	0.26773	0.027268	0.36507	0.00144	0.33913	0.001638	0.34841	0.002262
ENSG00000132872.11	SYT4	1.067	0.000636	1.72381	0.000328	1.59407	0.000317	1.74417	0.000306
ENSG00000129990.14	SYT5	2.29481	0.020778	2.60232	0.002662	3.10733	0.000317	2.78566	0.001578

ENSG00000138162.18	TACC2	0.46764	0.04363	0.77283	0.000328	0.77227	0.000317	0.79715	0.000306
ENSG00000143498.17	TAF1A	0.58865	0.00223	0.54525	0.003577	0.67634	0.000317	0.44989	0.017765
ENSG00000177156.10	TALDO1	0.33112	0.002716	0.55528	0.000328	0.61272	0.000317	0.58871	0.000306
ENSG00000115183.14	TANC1	-0.3581	0.000636	-0.3791	0.000328	-0.4046	0.000317	-0.3866	0.000306
ENSG00000135090.13	TAKO3	0.7702	0.017291	0.9828	0.000622	0.80721	0.006204	0.88204	0.003802
ENSG00000185418.15	TARSL2	-0.4332	0.003189	-0.6617	0.000328	-0.504	0.000317	-0.6004	0.000306
ENSG00000065882.15	TBC1D1	1.07971	0.000636	1.77901	0.000328	1.81398	0.000317	1.82677	0.000306
ENSG00000121749.15	TBC1D15	0.28315	0.035564	0.33814	0.004687	0.32167	0.011656	0.32648	0.007197
ENSG00000136111.12	TBC1D4	1.32446	0.000636	1.96371	0.000328	2.03868	0.000317	2.02939	0.000306
ENSG00000183735.9	TBK1	0.39267	0.001203	0.71865	0.000328	0.67117	0.000317	0.63336	0.000306
ENSG00000154144.12	TBRG1	1.64652	0.000636	2.07285	0.000328	2.08135	0.000317	2.12108	0.000306
ENSG00000152284.4	TCF7L1	-1.7721	0.001203	-2.3623	0.000328	-2.5624	0.000317	-2.9053	0.000306
ENSG00000110719.9	TCIRG1	0.5339	0.038266	1.15145	0.000328	0.84907	0.000317	1.09027	0.000306
ENSG00000204091.7	TDRG1	2.16773	0.020495	2.41406	0.00817	2.22629	0.010216	2.17975	0.011572
ENSG00000074219.13	TEAD2	-0.6393	0.005022	-0.5924	0.023763	-0.7259	0.013099	-0.6507	0.03329
ENSG00000145934.16	TENM2	-1.7824	0.000636	-2.5327	0.000328	-2.2647	0.000317	-2.1202	0.001815
ENSG00000136478.7	TEX2	0.8141	0.000636	1.44292	0.000328	1.55596	0.000317	1.5413	0.000306
ENSG00000164081.12	TEX264	0.48122	0.032489	0.67749	0.00144	0.65652	0.000604	0.76434	0.000306
ENSG00000162851.7	TFB2M	0.27657	0.018963	0.2868	0.013343	0.29138	0.011481	0.27521	0.014451
ENSG00000112561.17	TFEB	0.89682	0.000636	1.46281	0.000328	1.32109	0.000317	1.25859	0.000306
ENSG00000003436.15	TFPI	1.82697	0.000636	1.62583	0.000328	1.57913	0.000317	1.57875	0.000306
ENSG00000163235.15	TGFA	-1.3929	0.00716	-1.3552	0.006983	-1.3108	0.004355	-1.8049	0.000306
ENSG00000163513.17	TGFBR2	1.24577	0.000636	1.80606	0.000328	1.88266	0.000317	1.73538	0.000306
ENSG00000092295.11	TGM1	-1.0087	0.018654	-1.2143	0.002183	-0.9624	0.022065	-1.1115	0.000582
ENSG00000113272.13	THG1L	-0.4747	0.013202	-0.6889	0.000328	-0.5839	0.001638	-0.6572	0.000306
ENSG00000151090.17	THRB	0.75371	0.043126	1.02688	0.000906	0.97442	0.004135	0.9673	0.002711
ENSG00000151500.14	THYN1	0.32211	0.007968	0.6695	0.000328	0.70541	0.000317	0.72601	0.000306
ENSG00000173825.6	TIGD3	-0.4071	0.020236	-0.6993	0.000328	-0.6454	0.000317	-0.452	0.011213
ENSG00000265354.3	TIMM23	0.27728	0.016936	0.5564	0.000328	0.58256	0.000317	0.60483	0.000306
ENSG00000035862.12	TIMP2	-0.7459	0.000636	-0.7584	0.000328	-0.7247	0.000317	-0.7915	0.000306
ENSG00000100234.11	TIMP3	-1.7892	0.000636	-2.5546	0.000328	-2.2893	0.000317	-2.6227	0.000306
ENSG00000142910.15	TINAGL1	-0.8401	0.032219	-1.3476	0.000622	-1.726	0.000317	-1.3798	0.001091
ENSG00000163659.12	TIPARP	0.881	0.000636	2.1381	0.000328	2.22041	0.000317	2.26331	0.000306
ENSG00000140332.15	TLE3	-1.1703	0.000636	-1.5972	0.000328	-1.5543	0.000317	-1.6184	0.000306
ENSG00000164342.12	TLR3	-0.7604	0.000636	-1.5842	0.000328	-1.8277	0.000317	-1.6535	0.000306
ENSG00000169490.16	TM2D2	0.53698	0.017586	1.46056	0.000328	1.39973	0.000317	1.37448	0.000306
ENSG00000169908.11	TM4SF1	1.55966	0.003189	1.1385	0.031572	1.07856	0.034535	1.11245	0.034954
ENSG00000163762.6	TM4SF18	7.62164	0.008346	7.25381	0.004476	7.05213	0.004565	7.37596	0.004819
ENSG00000135926.14	TMBIM1	0.63589	0.001724	1.30018	0.000328	1.38968	0.000317	1.43646	0.000306
ENSG00000271270.5	TMCC1-AS1	1.0386	0.040176	1.49925	0.000328	1.3293	0.003484	0.98392	0.037291
ENSG00000133069.15	TMCC2	-1.1412	0.000636	-1.6324	0.000328	-1.7765	0.000317	-1.9023	0.000306
ENSG00000057704.12	TMCC3	2.51815	0.000636	4.28287	0.000328	4.27671	0.000317	4.3768	0.000306
ENSG00000144339.11	TMEFF2	2.17264	0.000636	2.25003	0.000328	2.16012	0.000317	2.16038	0.000306
ENSG00000166292.11	TMEM100	3.2488	0.013889	3.7878	0.003805	4.16372	0.002816	4.28545	0.004424
ENSG00000091947.9	TMEM101	0.31543	0.024865	0.71844	0.000328	0.72787	0.000317	0.75157	0.000306
ENSG00000134291.11	TMEM106C	-0.4668	0.000636	-0.8046	0.000328	-0.8385	0.000317	-0.8012	0.000306
ENSG00000189077.10	TMEM120A	0.87707	0.005022	1.35513	0.000328	1.18552	0.000317	1.21224	0.000306
ENSG00000184986.10	TMEM121	-0.5672	0.000636	-0.7694	0.000328	-0.6725	0.000604	-0.6208	0.000306
ENSG00000006118.14	TMEM132A	-0.5243	0.000636	-0.6028	0.000622	-0.6657	0.000317	-0.5352	0.004633
ENSG00000170647.3	TMEM133	-1.4774	0.000636	-0.9724	0.009354	-2.2029	0.000317	-1.5036	0.000306
ENSG00000164124.10	TMEM144	-0.4965	0.027853	-0.9296	0.000328	-0.8864	0.000317	-0.9761	0.000306
ENSG00000137210.13	TMEM14B	0.57032	0.000636	0.97732	0.000328	0.96106	0.000317	0.9948	0.000306
ENSG00000111843.13	TMEM14C	0.67315	0.000636	1.47247	0.000328	1.45994	0.000317	1.54218	0.000306
ENSG00000249992.1	TMEM158	-1.5551	0.000636	-2.8403	0.000328	-1.762	0.000317	-2.8113	0.000306
ENSG00000157600.11	TMEM164	2.53386	0.000636	3.03095	0.000328	3.08424	0.000317	3.1942	0.000306
ENSG00000146433.8	TMEM181	-0.5964	0.000636	-0.8441	0.000328	-0.8198	0.000317	-0.87	0.000306
ENSG00000170088.13	TMEM192	0.48648	0.024569	0.61823	0.00144	0.61093	0.002116	0.59545	0.003157
ENSG00000168701.18	TMEM208	0.27725	0.029019	0.63464	0.000328	0.66558	0.000317	0.67234	0.000306
ENSG00000089063.14	TMEM230	0.31426	0.009854	0.579	0.000328	0.5989	0.000317	0.63057	0.000306
ENSG00000109133.12	TMEM33	0.51844	0.003189	0.55346	0.000906	0.67761	0.000317	0.67154	0.000306
ENSG00000072954.6	TMEM38A	-1.153	0.001203	-0.8326	0.008572	-0.9396	0.009698	-1.0593	0.002488
ENSG00000095209.11	TMEM38B	-0.8232	0.000636	-0.9843	0.000328	-1.0692	0.000317	-1.1644	0.000306
ENSG00000181458.10	TMEM45A	-0.9524	0.000636	-0.9899	0.002662	-1.309	0.000317	-1.2885	0.000306
ENSG00000147027.3	TMEM47	0.82175	0.000636	0.96096	0.000328	1.03607	0.000317	1.14316	0.000306
ENSG00000183726.10	TMEM50A	0.46445	0.033613	0.89255	0.000328	0.85914	0.000317	0.92272	0.000306
ENSG00000171729.13	TMEM51	-0.9936	0.000636	-1.8274	0.000328	-1.6433	0.000317	-1.5114	0.000306
ENSG00000135211.5	TMEM60	0.44031	0.000636	0.58515	0.000328	0.56572	0.000317	0.49775	0.000306
ENSG00000180694.13	TMEM64	0.47132	0.00716	0.47056	0.00817	0.49309	0.006204	0.47966	0.005434
ENSG00000164983.7	TMEM65	-0.4475	0.000636	-0.9417	0.000328	-0.93	0.000317	-0.9395	0.000306
ENSG00000163472.18	TMEM79	1.28968	0.000636	2.47973	0.000328	2.52099	0.000317	2.61927	0.000306
ENSG00000103978.15	TMEM87A	0.55962	0.000636	0.92586	0.000328	1.00208	0.000317	1.0297	0.000306
ENSG00000153214.9	TMEM87B	0.82829	0.000636	1.45438	0.000328	1.41821	0.000317	1.61708	0.000306
ENSG00000006042.11	TMEM98	-0.3513	0.016299	-0.3142	0.032345	-0.422	0.001638	-0.3839	0.003802
ENSG00000128872.9	TMOD2	-0.4558	0.00949	-1.0536	0.000328	-0.7073	0.000604	-0.9749	0.000306
ENSG00000137747.15	TMPRSS13	-1.0461	0.009854	-1.6533	0.000328	-1.5311	0.000317	-1.6872	0.000306
ENSG00000184012.11	TMPRSS2	3.26995	0.000636	4.01213	0.000328	4.1054	0.000317	4.17731	0.000306
ENSG00000158164.6	TMSB15A	-0.539	0.000636	-1.232	0.000328	-1.1605	0.000317	-1.3371	0.000306
ENSG00000179104.8	TMTC2	1.00909	0.000636	1.20783	0.000328	1.25774	0.000317	1.29922	0.000306
ENSG00000125827.8	TMX4	0.47766	0.000636	0.35302	0.000622	0.39324	0.000317	0.38647	0.000306
ENSG00000185215.8	TNFAIP2	-1.6644	0.000636	-2.8018	0.000328	-2.7965	0.000317	-3.0455	0.000306
ENSG00000118503.14	TNFAIP3	1.23789	0.00634	3.25094	0.000328	3.02816	0.000317	3.22387	0.000306
ENSG00000145779.7	TNFAIP8	1.98182	0.000636	2.69761	0.000328	2.73344	0.000317	2.7162	0.000306

ENSG00000173530.5	TNFRSF10D	-0.6342	0.000636	-0.415	0.000328	-0.4508	0.000317	-0.411	0.000306
ENSG00000127863.15	TNFRSF19	1.13051	0.000636	1.27962	0.000328	1.25759	0.000317	1.2716	0.000306
ENSG00000146072.6	TNFRSF21	-0.6431	0.000636	-1.2299	0.000328	-1.1911	0.000317	-1.281	0.000306
ENSG00000181634.7	TNFSF15	-1.1671	0.000636	-1.3442	0.000328	-1.3638	0.000317	-1.495	0.000306
ENSG00000168884.14	TNIP2	0.49332	0.001724	0.79381	0.000328	0.78176	0.000317	0.86472	0.000306
ENSG00000061938.16	TNK2	0.37676	0.027007	0.844	0.000328	0.82666	0.000317	0.9715	0.000306
ENSG00000159173.18	TNNI1	0.57068	0.031921	0.63176	0.010121	0.69967	0.004565	0.58721	0.022521
ENSG00000079308.16	TNS1	-1.4018	0.000636	-2.1407	0.000328	-2.2369	0.000317	-2.4928	0.000306
ENSG00000131746.12	TNS4	2.12989	0.000636	2.67921	0.000328	2.74148	0.000317	2.71983	0.000306
ENSG00000103460.16	TOX3	-1.7327	0.000636	-2.6426	0.000328	-2.7333	0.000317	-3.0202	0.000306
ENSG00000141510.16	TP53	-0.5478	0.018654	-0.9984	0.000328	-0.9147	0.000317	-0.9025	0.000306
ENSG00000164938.13	TP53INP1	-0.9498	0.000636	-1.459	0.000328	-1.4625	0.000317	-1.5571	0.000306
ENSG00000182165.17	TP53TG1	0.77601	0.000636	0.93608	0.000328	0.89856	0.000317	0.88249	0.000306
ENSG00000140416.19	TPM1	0.52879	0.000636	1.22164	0.000328	1.296	0.000317	1.25472	0.000306
ENSG00000171368.11	TPPP	-0.559	0.00223	-0.5787	0.000622	-0.5416	0.003484	-0.6817	0.000582
ENSG00000131323.14	TRAF3	-0.3077	0.048034	-0.6407	0.000328	-0.5911	0.000317	-0.6384	0.000306
ENSG00000067167.7	TRAM1	0.40411	0.000636	0.80521	0.000328	0.79935	0.000317	0.88102	0.000306
ENSG00000065308.4	TRAM2	0.39938	0.006762	0.57035	0.000328	0.57382	0.000317	0.57496	0.000306
ENSG00000124496.12	TRERF1	-0.3129	0.015959	-0.6811	0.000328	-0.7016	0.000317	-0.7213	0.000306
ENSG00000211689.7	TRGC1	6.61654	0.000636	7.56375	0.000622	7.6106	0.000317	7.58524	0.000306
ENSG00000227191.8	TRGC2	Inf	0.000636	Inf	0.000328	Inf	0.000317	Inf	0.000306
ENSG00000204977.9	TRIM13	0.73178	0.038527	1.2128	0.000622	1.1984	0.000317	1.14224	0.000306
ENSG00000122779.17	TRIM24	0.4248	0.000636	0.70128	0.000328	0.81212	0.000317	0.86684	0.000306
ENSG00000137699.16	TRIM29	-1.2971	0.000636	-1.7327	0.000328	-1.4576	0.000317	-1.4252	0.000306
ENSG00000110171.19	TRIM3	0.88904	0.000636	1.08971	0.000328	1.10936	0.000317	1.17692	0.000306
ENSG00000104228.12	TRIM35	0.5292	0.029328	0.61384	0.000328	0.85476	0.00879	0.74901	0.002262
ENSG00000152503.9	TRIM36	1.27384	0.000636	2.17333	0.000328	2.33521	0.000317	2.34188	0.000306
ENSG00000134253.9	TRIM45	-0.5895	0.000636	-1.1136	0.000328	-1.0227	0.000317	-1.0701	0.000306
ENSG00000145331.13	TRMT10A	0.88167	0.000636	0.60969	0.000328	0.4581	0.015221	0.5422	0.002711
ENSG00000089195.14	TRMT6	0.34962	0.002716	0.76063	0.000328	0.75838	0.000317	0.83051	0.000306
ENSG00000144935.14	TRPC1	-0.9187	0.026079	-1.5402	0.001184	-1.6129	0.000317	-1.0702	0.039961
ENSG00000142185.16	TRPM2	0.49287	0.000636	0.78944	0.000328	0.8317	0.000317	0.89876	0.000306
ENSG00000092439.13	TRPM7	0.46959	0.000636	1.13106	0.000328	1.07645	0.000317	1.09976	0.000306
ENSG00000144481.16	TRPM8	3.34492	0.000636	3.11045	0.000328	2.93329	0.000317	3.19575	0.000306
ENSG00000104447.12	TRPS1	-0.9707	0.000636	-1.4442	0.000328	-1.2362	0.000317	-1.2145	0.000306
ENSG00000165125.19	TRPV6	-0.8579	0.000636	-1.3006	0.000328	-1.2534	0.000317	-1.2947	0.000306
ENSG00000121297.6	TSHZ3	-1.7243	0.000636	-2.0641	0.000328	-2.597	0.000317	-2.7537	0.000306
ENSG00000182704.7	TSKU	1.20237	0.000636	2.43222	0.000328	2.52374	0.000317	2.6508	0.000306
ENSG00000106537.7	TSPAN13	0.59517	0.000636	1.09332	0.000328	1.10129	0.000317	1.17346	0.000306
ENSG00000099282.9	TSPAN15	-0.6648	0.000636	-1.0848	0.000328	-1.1445	0.000317	-1.2061	0.000306
ENSG00000134198.9	TSPAN2	-1.821	0.004109	-2.3425	0.010121	-4.0669	0.004135	-2.7723	0.004819
ENSG00000140391.14	TSPAN3	-0.5271	0.000636	-0.8133	0.000328	-0.9019	0.000317	-0.7984	0.000306
ENSG00000214063.10	TSPAN4	0.70268	0.000636	1.04467	0.000328	1.07002	0.000317	1.15688	0.000306
ENSG00000007520.3	TSR3	0.32413	0.039347	0.37324	0.011069	0.39487	0.007388	0.36231	0.01208
ENSG00000123607.14	TTC21B	0.38967	0.013548	0.52789	0.000622	0.5037	0.000604	0.51128	0.000842
ENSG00000155158.20	TTC39B	-0.3976	0.038756	-0.6961	0.002425	-0.6301	0.016084	-0.6801	0.000582
ENSG00000165533.18	TTC8	0.40996	0.013889	0.49663	0.000328	0.45313	0.008393	0.45498	0.002262
ENSG00000133985.2	TTC9	-1.1465	0.000636	-1.7458	0.000328	-1.7035	0.000317	-1.7424	0.000306
ENSG00000155657.26	TTN	3.12084	0.000636	3.79356	0.000328	3.39911	0.000317	3.53328	0.000306
ENSG00000137561.4	TTPA	-0.9168	0.00716	-2.5695	0.000328	-2.1295	0.000317	-2.6219	0.000306
ENSG00000136295.14	TTYH3	-0.4953	0.000636	-0.5085	0.000328	-0.4964	0.000317	-0.4875	0.000306
ENSG00000166402.8	TUB	-0.3265	0.034774	-0.9313	0.000328	-0.8802	0.000317	-1.0445	0.000306
ENSG00000167552.13	TUBA1A	-1.0105	0.000636	-0.6436	0.001694	-0.591	0.00188	-0.5869	0.013783
ENSG00000075886.10	TUBA3D	5.22958	0.000636	6.99021	0.000328	7.17886	0.000317	7.21122	0.000306
ENSG00000258947.6	TUBB3	-0.7138	0.000636	-0.5729	0.000622	-0.5507	0.000317	-0.4498	0.007008
ENSG00000104833.11	TUBB4A	-1.0789	0.000636	-0.8477	0.000328	-0.8591	0.000317	-0.7717	0.000306
ENSG00000130338.12	TULP4	-1.3937	0.00365	-1.8622	0.000328	-1.749	0.000317	-1.6994	0.000306
ENSG00000104723.20	TUSC3	0.71198	0.000636	0.83897	0.000328	0.83982	0.000317	0.90788	0.000306
ENSG00000247596.8	TWF2	-0.4324	0.000636	-0.3566	0.002425	-0.3124	0.006397	-0.2922	0.010831
ENSG00000105849.5	TWISTNB	0.6268	0.000636	0.56807	0.000328	0.51155	0.000317	0.53222	0.000306
ENSG00000131002.11	TXLNGY	0.56241	0.00223	0.67222	0.000328	0.64668	0.000317	0.53207	0.002488
ENSG00000087301.8	TXNDIC16	0.71083	0.000636	1.14466	0.000328	1.19258	0.000317	1.12857	0.000306
ENSG00000265972.5	TXNIP	-0.8832	0.000636	-1.4738	0.000328	-1.5391	0.000317	-1.5939	0.000306
ENSG00000277149.4	TYW1B	1.10554	0.000636	1.17008	0.000328	1.06733	0.000317	0.94407	0.000306
ENSG00000117143.13	UAP1	2.06766	0.000636	3.80687	0.000328	2.49894	0.000317	2.51881	0.000306
ENSG00000126261.12	UBA2	-1.1476	0.000636	-1.3122	0.000328	-1.3994	0.000317	-1.5396	0.000306
ENSG00000072401.14	UBE2D1	0.50519	0.000636	0.72104	0.000328	0.65089	0.000317	0.65922	0.000306
ENSG00000170142.11	UBE2E1	0.55502	0.000636	0.77571	0.000328	0.6917	0.000317	0.71156	0.000306
ENSG00000132388.12	UBE2G1	0.3329	0.030162	0.82953	0.000328	0.84454	0.000317	0.88534	0.000306
ENSG00000198833.6	UBE2J1	0.91259	0.000636	1.31634	0.000328	1.332	0.000317	1.38361	0.000306
ENSG00000156587.15	UBE2L6	-1.5148	0.000636	-2.182	0.000328	-2.0748	0.000317	-2.4648	0.000306
ENSG00000120942.13	UBIAD1	0.40328	0.005916	0.47063	0.001694	0.40568	0.006599	0.45717	0.001091
ENSG00000153560.11	UBP1	-0.3021	0.028108	-0.4967	0.000328	-0.5218	0.000317	-0.5369	0.000306
ENSG00000188021.8	UBQLN2	-0.3859	0.000636	-0.5756	0.000328	-0.5756	0.000317	-0.5154	0.000306
ENSG00000104691.14	UBXN8	0.42324	0.00716	0.73149	0.000328	0.6601	0.000317	0.59354	0.000306
ENSG00000154277.12	UCHL1	1.49575	0.000636	1.84722	0.000328	2.19773	0.000317	1.94618	0.000306
ENSG00000118939.17	UCHL3	0.3356	0.021709	0.48212	0.000328	0.43672	0.00188	0.38818	0.003802
ENSG00000109181.11	UGT2B10	-2.7655	0.000636	-2.3434	0.000328	-2.2536	0.000317	-2.3635	0.000306
ENSG00000213759.9	UGT2B11	0.37692	0.00716	2.41103	0.000328	2.51037	0.000317	2.59767	0.000306
ENSG00000196620.9	UGT2B15	-2.5855	0.000636	-3.0877	0.000328	-3.185	0.000317	-3.0864	0.000306
ENSG00000197888.2	UGT2B17	-2.2855	0.000636	-3.2229	0.000328	-2.9096	0.000317	-2.8165	0.000306
ENSG00000135226.17	UGT2B28	1.45283	0.000636	3.66657	0.000328	3.68573	0.000317	3.86395	0.000306

ENSG00000130477.15	UNC13A	2.69481	0.000636	2.08382	0.000328	2.52093	0.000317	2.68088	0.000306
ENSG00000107731.12	UNC5B	-1.3112	0.000636	-1.7559	0.000328	-1.7635	0.000317	-1.9436	0.000306
ENSG00000103194.15	USP10	0.6776	0.000636	0.85853	0.000328	0.92947	0.000317	0.91818	0.000306
ENSG00000101557.14	USP14	0.55911	0.000636	0.66372	0.000328	0.669	0.000317	0.65555	0.000306
ENSG00000036672.15	USP2	-0.4549	0.003189	-0.8162	0.000328	-0.7398	0.000317	-0.8494	0.000306
ENSG00000085982.13	USP40	-0.4548	0.012136	-0.4362	0.016015	-0.3864	0.030514	-0.4646	0.007568
ENSG00000138592.13	USP8	0.52562	0.010622	0.99775	0.000328	1.0221	0.000317	1.09792	0.000306
ENSG00000162738.5	VANGL2	-0.7599	0.000636	-1.0977	0.000328	-1.1966	0.000317	-1.1352	0.000306
ENSG00000168140.4	VASN	-0.5342	0.000636	-0.6399	0.000328	-0.6718	0.000317	-0.6499	0.000306
ENSG00000160293.16	VAV2	-0.3087	0.006762	-0.5689	0.000328	-0.5218	0.000317	-0.4851	0.000306
ENSG00000035403.17	VCL	0.57249	0.000636	1.06121	0.000328	1.11322	0.000317	1.1652	0.000306
ENSG00000111424.10	VDR	-0.8255	0.000636	-1.3823	0.000328	-1.5096	0.000317	-1.4579	0.000306
ENSG00000173511.9	VEGFB	0.62695	0.01178	0.98311	0.000328	1.09111	0.000317	0.93875	0.000306
ENSG00000128564.6	VGFB	2.08378	0.000636	2.70393	0.000328	2.61396	0.000317	2.74392	0.000306
ENSG00000144560.14	VGLL4	-0.9125	0.005467	-0.7609	0.011251	-0.7077	0.016576	-0.6722	0.020828
ENSG00000136059.14	VILL	1.6584	0.000636	1.94045	0.000622	2.14917	0.000317	1.65754	0.000582
ENSG00000026025.15	VIM	0.94528	0.000636	1.32121	0.000328	1.28589	0.000317	1.57881	0.000306
ENSG00000187650.3	VMAC	0.60354	0.011014	1.06117	0.000328	1.05168	0.000317	1.01371	0.000306
ENSG00000154978.12	VOPP1	-0.6465	0.000636	-1.2311	0.000328	-1.246	0.000317	-1.3041	0.000306
ENSG00000151502.10	VPS26B	0.70638	0.000636	1.92177	0.000328	1.92778	0.000317	2.06218	0.000306
ENSG00000176428.5	VPS37D	-1.5046	0.000636	-1.0164	0.000328	-1.3131	0.000317	-1.1339	0.000306
ENSG00000186806.5	VSIG10L	0.94612	0.000636	1.18269	0.000328	1.28998	0.000317	1.29834	0.000306
ENSG00000009844.15	VT1A	-0.8669	0.000636	-0.969	0.000328	-1.0047	0.000317	-1.0115	0.000306
ENSG00000165816.12	VWA2	-1.0937	0.000636	-1.6531	0.000328	-1.4523	0.000317	-1.3482	0.000306
ENSG00000110002.15	VWA5A	0.42002	0.00949	1.04483	0.000328	1.04283	0.000317	1.14903	0.000306
ENSG00000099290.15	WASHC2A	0.38008	0.00912	0.96936	0.000328	1.0289	0.000317	0.95412	0.000306
ENSG00000120860.10	WASHC3	0.43072	0.000636	1.17384	0.000328	1.21069	0.000317	1.19387	0.000306
ENSG000000071127.16	WDR1	0.38082	0.004109	0.71595	0.000328	0.83917	0.000317	0.81011	0.000306
ENSG00000148225.15	WDR31	-0.3604	0.031921	-0.9399	0.000328	-0.8699	0.000604	-0.9872	0.000306
ENSG00000005448.16	WDR54	-0.4253	0.016299	-0.6417	0.000328	-0.714	0.000317	-0.8413	0.000306
ENSG00000166415.14	WDR72	0.49255	0.038756	0.82652	0.00144	0.82026	0.001638	0.73186	0.005022
ENSG00000273812.1	WI2-87327B8.2	-1.5786	0.001724	-2.7595	0.000906	-2.2918	0.000317	-2.4183	0.000582
ENSG00000116729.13	WLS	-1.119	0.000636	-1.3436	0.000328	-1.7994	0.000317	-1.6504	0.000306
ENSG00000165238.16	WNK2	-0.7981	0.005916	-1.5741	0.000328	-1.7329	0.000317	-1.9949	0.000306
ENSG00000169884.13	WNT10B	-0.3445	0.03304	-1.164	0.000328	-1.4133	0.000317	-1.2806	0.000306
ENSG00000188064.9	WNT7B	0.64161	0.000636	1.12567	0.000328	1.21802	0.000317	1.27791	0.000306
ENSG00000176871.8	WSB2	0.50317	0.001203	0.83392	0.000328	0.88701	0.000317	0.93957	0.000306
ENSG00000179314.13	WSCD1	-1.982	0.000636	-2.1589	0.000622	-2.3968	0.000317	-1.9143	0.000842
ENSG00000233087.7	WTH3DI	0.98026	0.000636	1.53749	0.000328	1.49899	0.000317	1.59962	0.000306
ENSG00000113645.14	WWC1	0.71325	0.000636	1.19633	0.000328	1.21036	0.000317	1.32238	0.000306
ENSG00000123124.13	WWP1	0.40344	0.023343	1.08074	0.000328	1.16939	0.000317	1.29062	0.000306
ENSG00000018408.14	WWTR1	2.63762	0.001203	3.01583	0.000328	2.96928	0.000604	3.43667	0.000306
ENSG00000221947.7	XKR9	0.76565	0.007968	0.90171	0.001694	0.96744	0.000604	0.9852	0.000306
ENSG00000272316.1	XXbac-BPGBPG55C20.2	-0.3607	0.045663	-0.5718	0.00144	-0.6431	0.000317	-0.7409	0.000306
ENSG00000161179.13	YDJC	0.34964	0.001724	0.48266	0.000328	0.51834	0.000317	0.57691	0.000306
ENSG00000167645.16	YIF1B	0.27237	0.030731	0.60102	0.000328	0.63324	0.000317	0.69526	0.000306
ENSG00000058799.14	YIPF1	0.45351	0.000636	0.77139	0.000328	0.85436	0.000317	0.89056	0.000306
ENSG00000180667.10	YOD1	0.5156	0.001724	0.79495	0.000328	0.8576	0.000317	0.82816	0.000306
ENSG00000221886.3	ZBED8	-0.4102	0.000636	-0.473	0.000328	-0.5775	0.000317	-0.6415	0.000306
ENSG00000205189.11	ZBTB10	1.71048	0.000636	2.04763	0.000328	2.0349	0.000317	2.08532	0.000306
ENSG00000204366.3	ZBTB12	-0.6073	0.000636	-1.0429	0.000328	-1.1271	0.000317	-1.0904	0.000306
ENSG00000109906.13	ZBTB16	2.71654	0.000636	3.07043	0.000328	2.95771	0.000317	2.98652	0.000306
ENSG00000179456.10	ZBTB18	-0.5839	0.000636	-0.4085	0.004258	-0.3806	0.008599	-0.5706	0.000306
ENSG00000112365.4	ZBTB24	0.80116	0.000636	1.27205	0.000328	1.3085	0.000317	1.38732	0.000306
ENSG00000177485.6	ZBTB33	-0.2638	0.044628	-0.4736	0.000328	-0.4393	0.000317	-0.5102	0.000306
ENSG00000177125.5	ZBTB34	-0.5615	0.000636	-0.6092	0.000328	-0.5572	0.000317	-0.6163	0.000306
ENSG00000169155.9	ZBTB43	-0.7988	0.000636	-0.8753	0.000328	-0.9964	0.000317	-1.0135	0.000306
ENSG00000130584.10	ZBTB46	-0.7172	0.000636	-0.5809	0.003352	-0.4879	0.010403	-0.5467	0.003377
ENSG00000100722.18	ZC3H14	0.47621	0.000636	1.15347	0.000328	1.21641	0.000317	1.22684	0.000306
ENSG00000105939.12	ZC3HAV1	0.33443	0.005467	0.56098	0.000328	0.59625	0.000317	0.58918	0.000306
ENSG00000140948.11	ZCCHC14	-0.4308	0.016936	-0.5703	0.000622	-0.5637	0.002354	-0.5764	0.006035
ENSG00000121766.15	ZCCHC17	0.29513	0.016936	0.53932	0.000328	0.54665	0.000317	0.5882	0.000306
ENSG00000166707.10	ZCCHC18	-1.1665	0.044147	-1.8252	0.005552	-2.1276	0.000317	-3.3503	0.000306
ENSG00000141664.9	ZCCHC2	0.6356	0.000636	0.72553	0.000328	0.77654	0.000317	0.65337	0.000306
ENSG00000083223.17	ZCCHC6	1.01782	0.000636	1.89654	0.000328	1.97792	0.000317	1.9503	0.000306
ENSG00000033030.13	ZCCHC8	-0.2985	0.048491	-0.6604	0.000328	-0.7239	0.000317	-0.7014	0.000306
ENSG00000131732.11	ZCCHC9	0.33744	0.026722	0.37361	0.011069	0.38954	0.007388	0.44722	0.002488
ENSG00000139168.7	ZCRB1	0.44652	0.027853	0.49279	0.00837	0.53868	0.002583	0.47215	0.01208
ENSG00000206077.10	ZDHHC11B	-0.5289	0.020236	-0.8163	0.000328	-0.9379	0.000317	-0.8015	0.000306
ENSG00000160446.18	ZDHHC12	0.44525	0.000636	0.50596	0.000622	0.54475	0.000317	0.69068	0.000306
ENSG00000180776.15	ZDHHC20	0.41464	0.007566	0.43762	0.003352	0.55902	0.000317	0.52415	0.003802
ENSG00000133519.12	ZDHHC8P1	0.68184	0.022041	1.84759	0.000328	1.61796	0.000317	1.84863	0.000306
ENSG00000188706.12	ZDHHC9	0.50306	0.000636	0.98668	0.000328	1.06378	0.000317	1.07782	0.000306
ENSG00000196867.7	ZFP28	0.97019	0.001724	0.78758	0.000906	0.83281	0.00758	0.78632	0.000306
ENSG00000039319.16	ZFYVE16	0.59035	0.000636	0.7618	0.000328	0.79028	0.000317	0.92042	0.000306
ENSG00000157077.14	ZFYVE9	-0.4209	0.015302	-0.6251	0.001944	-0.6629	0.002116	-0.6045	0.000582
ENSG00000162078.11	ZG16B	0.84004	0.000636	1.50808	0.000328	1.62567	0.000317	1.59166	0.000306
ENSG00000043355.11	ZIC2	-1.3463	0.000636	-1.9153	0.000328	-1.9889	0.000317	-1.6492	0.000306
ENSG00000152926.14	ZNF117	-1.1195	0.001724	-1.2332	0.000328	-1.0761	0.018095	-1.2476	0.004633
ENSG00000154957.13	ZNF18	0.40952	0.04363	0.83074	0.000328	0.92751	0.000317	0.88673	0.000306
ENSG00000096654.15	ZNF184	-0.373	0.005916	-0.3646	0.009169	-0.5317	0.000317	-0.4079	0.002488
ENSG00000165804.15	ZNF219	-0.7115	0.026079	-1.238	0.000328	-1.1287	0.000881	-0.962	0.001815

ENSG00000256771.3	ZNF253	-0.4835	0.020236	-0.677	0.000328	-0.5871	0.010216	-0.7211	0.000306
ENSG00000137871.19	ZNF280D	-0.4404	0.026079	-0.5983	0.000328	-0.5169	0.000604	-0.5133	0.001091
ENSG00000170265.11	ZNF282	-0.5371	0.000636	-0.3923	0.001184	-0.413	0.001393	-0.4047	0.000582
ENSG00000197083.11	ZNF300P1	-0.5685	0.005022	-0.9507	0.000328	-0.6493	0.01432	-0.7742	0.000306
ENSG00000171467.15	ZNF318	-0.4478	0.000636	-0.6449	0.000328	-0.6241	0.000317	-0.6791	0.000306
ENSG00000113761.11	ZNF346	-0.3693	0.032219	-0.5015	0.004687	-0.7574	0.000317	-0.6192	0.000306
ENSG00000177932.6	ZNF354C	-0.3147	0.015959	-0.4422	0.000328	-0.4825	0.000881	-0.4745	0.000306
ENSG00000161642.17	ZNF385A	-0.7304	0.000636	-0.8067	0.000328	-0.9458	0.000317	-0.7767	0.000306
ENSG00000144331.18	ZNF385B	1.4455	0.000636	1.48519	0.000328	1.55033	0.000317	1.65765	0.000306
ENSG00000173275.12	ZNF449	0.68291	0.000636	1.2638	0.000328	1.22946	0.000317	1.21707	0.000306
ENSG00000197016.11	ZNF470	0.50514	0.000636	0.37151	0.006564	0.38036	0.007199	0.40854	0.001578
ENSG00000265763.3	ZNF488	-0.7885	0.009854	-2.1096	0.000328	-2.697	0.000317	-2.4333	0.000306
ENSG00000165655.16	ZNF503	-0.6058	0.000636	-0.7723	0.000328	-0.789	0.000317	-0.8271	0.000306
ENSG00000164048.13	ZNF589	0.85808	0.000636	0.9722	0.000328	0.98122	0.000317	0.89953	0.000306
ENSG00000142684.8	ZNF593	0.32449	0.016627	0.45409	0.000328	0.54744	0.000317	0.56346	0.000306
ENSG00000157657.14	ZNF618	-0.4949	0.007566	-0.8531	0.000328	-0.862	0.000317	-1.0306	0.000306
ENSG00000173545.4	ZNF622	0.30997	0.005022	0.52963	0.000328	0.62346	0.000317	0.61358	0.000306
ENSG00000102870.5	ZNF629	-1.0434	0.000636	-1.13	0.000328	-1.1401	0.000317	-1.016	0.000306
ENSG00000198740.8	ZNF652	0.60566	0.000636	1.33224	0.000328	1.32746	0.000317	1.30551	0.000306
ENSG00000197372.9	ZNF675	-0.4521	0.048281	-0.9232	0.000328	-0.5768	0.013099	-0.6761	0.010665
ENSG00000143067.4	ZNF697	0.52854	0.000636	0.34219	0.014757	0.4749	0.000604	0.38299	0.003157
ENSG00000183779.6	ZNF703	-2.0678	0.000636	-2.239	0.000328	-2.3301	0.000317	-2.0546	0.000306
ENSG00000147180.16	ZNF711	-0.9841	0.000636	-1.6814	0.000328	-1.9014	0.000317	-1.8602	0.000306
ENSG00000185252.18	ZNF74	-0.4453	0.001203	-0.5628	0.000328	-0.6788	0.000317	-0.6509	0.000306
ENSG00000196391.10	ZNF774	-1.1508	0.015617	-1.7433	0.000328	-1.6444	0.000317	-2.2435	0.000306
ENSG00000197362.14	ZNF786	-0.4367	0.000636	-0.5311	0.000328	-0.5964	0.000317	-0.581	0.000306
ENSG00000146757.13	ZNF92	-0.2928	0.017291	-0.7141	0.000328	-0.7362	0.000317	-0.792	0.000306
ENSG00000229956.10	ZRANB2-AS2	1.26615	0.000636	1.2079	0.000622	1.45138	0.000317	1.50087	0.000306
ENSG00000196812.4	ZSCAN16	-0.3858	0.017586	-0.5764	0.000328	-0.5757	0.000317	-0.6626	0.000306
ENSG00000162415.6	ZSWIM5	-1.0875	0.008725	-1.1771	0.005552	-1.5259	0.002116	-1.6363	0.002938
ENSG00000070476.14	ZXDC	-0.2849	0.024249	-0.4304	0.000328	-0.4619	0.000317	-0.461	0.000306