

Table S2 OS analysis results

Ensembl ID	symbol	HR	lower95	upper95	pValue
ENSG00000265972	TXNIP	0.168639	0.069007	0.412123	0.000201
ENSG00000186364	NUDT17	4.248549	1.63877	11.01446	0.000376
ENSG00000163006	CCDC138	4.148279	1.60713	10.70742	0.000574
ENSG00000167895	TMC8	0.238372	0.09552	0.594862	0.000647
ENSG00000198648	STK39	4.563758	1.86315	11.17886	0.000657
ENSG00000046889	PREX2	0.229985	0.091716	0.576703	0.000762
ENSG00000070756	PABPC1	3.894268	1.525344	9.94223	0.000838
ENSG00000136895	GARNL3	0.263255	0.099514	0.696421	0.000861
ENSG00000189337	KAZN	0.266667	0.10509	0.676671	0.001
ENSG00000164736	SOX17	0.273437	0.104175	0.717713	0.00101
ENSG00000127528	KLF2	0.255821	0.10014	0.653533	0.00102
ENSG00000073792	IGF2BP2	3.733853	1.41652	9.842193	0.00114
ENSG00000187513	GJA4	0.287497	0.110613	0.747245	0.00138
ENSG00000164741	DLC1	0.25922	0.104932	0.640367	0.00162
ENSG00000104341	LAPTM4B	3.586545	1.423014	9.039475	0.00163
ENSG00000113263	ITK	0.252608	0.101954	0.62588	0.00176
ENSG00000006638	TBXA2R	0.293655	0.113431	0.760227	0.00193
ENSG00000162062	C16orf59	3.827887	1.550853	9.448165	0.00203
ENSG00000211897	IGHG3	0.261903	0.106138	0.646261	0.0021
ENSG00000061918	GUCY1B3	0.245331	0.101066	0.595527	0.00214
ENSG00000205246	NA	3.46476	1.381495	8.689542	0.00225
ENSG00000131386	GALNT15	0.298538	0.115665	0.770541	0.00233
ENSG00000074370	ATP2A3	0.279411	0.110895	0.704004	0.00245
ENSG00000069974	RAB27A	0.199478	0.082892	0.480041	0.00278
ENSG00000196876	SCN8A	0.256487	0.105956	0.62088	0.00296
ENSG00000197747	S100A10	3.654597	1.487821	8.976937	0.00296
ENSG00000149090	PAMR1	0.199116	0.082745	0.479146	0.00306
ENSG00000100297	MCM5	3.467115	1.382304	8.69627	0.00313
ENSG00000156711	MAPK13	3.358239	1.300511	8.671803	0.00323
ENSG00000177432	NAP1L5	0.275891	0.112409	0.677135	0.00324
ENSG00000211895	IGHA1	0.311368	0.121532	0.797732	0.00342
ENSG00000115085	ZAP70	0.300765	0.120588	0.750152	0.00348
ENSG00000281162	AC005035.1	0.262803	0.10871	0.635319	0.00353
ENSG00000165171	METTL27	3.505223	1.395356	8.805346	0.00354
ENSG00000167984	NLRC3	0.276676	0.11276	0.678875	0.00366
ENSG00000137841	PLCB2	0.27918	0.113878	0.684428	0.00382
ENSG00000010327	STAB1	0.291838	0.116542	0.730808	0.00384
ENSG00000178033	FAM26E	0.259705	0.10736	0.628228	0.00391
ENSG00000254709	IGLL5	0.279819	0.114164	0.685847	0.00401
ENSG00000105650	PDE4C	3.319364	1.331144	8.277219	0.00414
ENSG00000063127	SLC6A16	0.310318	0.124909	0.77094	0.00426

ENSG00000124224	PPP4R1L	0.287696	0.117674	0.703374	0.00431
ENSG00000150403	TMCO3	3.349119	1.341519	8.361117	0.00439
ENSG00000116774	OLFML3	0.286693	0.117228	0.701137	0.00455
ENSG00000139289	PHLDA1	0.303418	0.124647	0.738583	0.00464
ENSG00000172167	MTBP	3.189727	1.246453	8.162645	0.00477
ENSG00000142347	MYO1F	0.289153	0.118323	0.706625	0.00491
ENSG00000089057	SLC23A2	0.300307	0.120381	0.749159	0.00503
ENSG00000183049	CAMK1D	0.290705	0.119012	0.710088	0.00507
ENSG00000183087	GAS6	0.30539	0.122681	0.760205	0.00519
ENSG00000125618	PAX8	3.30414	1.325823	8.234392	0.00519
ENSG00000100031	GGT1	3.441767	1.408968	8.407403	0.00527
ENSG00000123329	ARHGAP9	0.291143	0.119207	0.711067	0.00531
ENSG00000174567	GOLT1A	3.415012	1.398941	8.336526	0.00564
ENSG00000163479	SSR2	3.233706	1.301075	8.037089	0.00575
ENSG00000129467	ADCY4	0.29519	0.121004	0.72012	0.00576
ENSG00000124568	SLC17A1	3.436839	1.407123	8.394335	0.00583
ENSG00000134871	COL4A2	0.30951	0.124544	0.769177	0.00588
ENSG00000069849	ATP1B3	3.601139	1.493423	8.683547	0.0059
ENSG00000186994	KANK3	0.335694	0.127903	0.881062	0.00597
ENSG00000140853	NLRC5	0.297603	0.122074	0.725525	0.006
ENSG00000185803	SLC52A2	3.333153	1.368103	8.120668	0.00601
ENSG00000182156	ENPP7	3.578614	1.484448	8.6271	0.00602
ENSG00000136383	ALPK3	3.189068	1.285284	7.912768	0.00616
ENSG00000110448	CD5	0.29365	0.12032	0.716672	0.00623
ENSG00000151067	CACNA1C	0.310542	0.12501	0.771427	0.00623
ENSG00000110799	VWF	0.335263	0.127705	0.880159	0.00623
ENSG00000088926	F11	0.303795	0.124814	0.739432	0.00662
ENSG00000170509	HSD17B13	0.281622	0.116854	0.678716	0.00666
ENSG00000021762	OSBPL5	0.314663	0.126871	0.780423	0.00676
ENSG00000120820	GLT8D2	0.283871	0.117821	0.683941	0.00687
ENSG00000161888	SPC24	3.789121	1.576631	9.106406	0.00689
ENSG00000169136	ATF5	0.257011	0.106966	0.617528	0.00691
ENSG00000274020	LINC01138	2.973772	1.175261	7.524557	0.00717
ENSG00000189184	PCDH18	0.282965	0.117432	0.681835	0.00726
ENSG00000128656	CHN1	0.321498	0.129952	0.795377	0.00727
ENSG00000072682	P4HA2	2.990239	1.180767	7.572642	0.00752
ENSG00000134817	APLNR	0.333323	0.131554	0.844554	0.00772
ENSG00000169604	ANTXR1	0.303344	0.124615	0.738416	0.00778
ENSG00000254726	MEX3A	2.895698	1.109507	7.557474	0.00789
ENSG00000160957	RECQL4	3.112338	1.257944	7.70038	0.00795
ENSG00000110237	ARHGEF17	0.321072	0.12976	0.794444	0.00797
ENSG00000105609	LILRB5	0.354222	0.130675	0.960188	0.00811
ENSG00000161544	CYGB	0.350685	0.129061	0.952884	0.00815

ENSG00000104368	PLAT	0.325033	0.131544	0.803131	0.00818
ENSG00000197363	ZNF517	3.272563	1.34512	7.961867	0.00825
ENSG00000261578	AP003119.3	3.428318	1.424178	8.252734	0.0084
ENSG00000106829	TLE4	0.312115	0.128485	0.758189	0.00848
ENSG00000030419	IKZF2	0.330454	0.130246	0.838415	0.00854
ENSG00000067840	PDZD4	0.344123	0.136473	0.867723	0.00856
ENSG00000172348	RCAN2	0.291847	0.12124	0.70253	0.00858
ENSG00000135439	AGAP2	0.324216	0.131176	0.801337	0.00879
ENSG00000048162	NOP16	3.396366	1.411278	8.173656	0.00909
ENSG00000091262	ABCC6	0.316414	0.130376	0.767915	0.00919
ENSG00000127241	MASP1	0.320026	0.131963	0.776105	0.00924
ENSG00000106804	C5	0.316278	0.130316	0.767607	0.00939
ENSG00000162739	SLAMF6	0.326733	0.132308	0.806862	0.00974
ENSG00000118762	PKD2	0.316814	0.130552	0.768822	0.00985
ENSG00000131773	KHDRBS3	2.918333	1.187693	7.170765	0.01
ENSG00000077984	CST7	0.360635	0.133605	0.97345	0.0101
ENSG00000089847	ANKRD24	0.330239	0.133884	0.814568	0.0101
ENSG00000163032	VSNL1	3.150775	1.298518	7.645165	0.0102
ENSG00000140030	GPR65	0.296837	0.12337	0.714212	0.0103
ENSG00000142303	ADAMTS10	0.302607	0.125825	0.727769	0.0104
ENSG00000006042	TMEM98	2.878884	1.143277	7.249314	0.0104
ENSG00000164128	NPY1R	0.339131	0.137874	0.834167	0.0105
ENSG00000251165	F11-AS1	0.338895	0.137768	0.833646	0.0106
ENSG00000128928	IVD	0.340518	0.138495	0.83723	0.0106
ENSG00000130201	NA	0.36585	0.135988	0.984249	0.0106
ENSG00000133740	E2F5	2.76908	1.070024	7.166014	0.0107
ENSG00000088827	SIGLEC1	0.332927	0.135091	0.820485	0.0107
ENSG00000130702	LAMA5	0.33047	0.133988	0.815076	0.0107
ENSG00000242125	SNHG3	3.018918	1.224319	7.44403	0.011
ENSG00000160949	TONSL	3.137071	1.29324	7.609739	0.011
ENSG00000185477	GPRIN3	0.321551	0.132631	0.779567	0.0111
ENSG00000137726	FXVD6	0.364077	0.140896	0.940781	0.0111
ENSG00000147604	RPL7	2.990257	1.213927	7.365875	0.0111
ENSG00000183615	FAM167B	0.365435	0.135798	0.98339	0.0111
ENSG00000178562	CD28	0.324594	0.133965	0.786483	0.0112
ENSG00000188643	S100A16	3.077131	1.270071	7.455278	0.0113
ENSG00000205362	MT1A	0.363828	0.140782	0.940256	0.0116
ENSG00000188820	FAM26F	0.333207	0.135217	0.821101	0.0117
ENSG00000118804	STBD1	0.327683	0.135317	0.793517	0.0117
ENSG00000182195	LDOC1	0.342541	0.139401	0.841703	0.0119
ENSG00000182022	CHST15	0.335514	0.136252	0.826185	0.0119
ENSG00000155016	CYP2U1	0.348093	0.138279	0.876262	0.012
ENSG00000133816	MICAL2	0.347955	0.138216	0.875966	0.012

ENSG00000204682	CASC10	2.85396	1.16402	6.997377	0.0121
ENSG00000172543	CTSW	0.362314	0.140089	0.937056	0.0122
ENSG00000077943	ITGA8	0.344658	0.140348	0.846386	0.0125
ENSG00000241388	HNF1A-AS1	2.9424	1.196497	7.235892	0.0125
ENSG00000179041	RRS1	3.05236	1.260458	7.391681	0.0127
ENSG00000128285	MCHR1	3.021367	1.248397	7.312304	0.0129
ENSG00000109819	PPARGC1A	0.364435	0.141059	0.941537	0.0129
ENSG00000080986	NDC80	2.826478	1.125424	7.09864	0.0129
ENSG00000160883	HK3	0.342685	0.139466	0.84202	0.013
ENSG00000204444	APOM	3.220442	1.339699	7.741474	0.0131
ENSG00000133561	GIMAP6	0.338847	0.140187	0.819034	0.0131
ENSG00000133574	GIMAP4	0.330146	0.136393	0.799133	0.0131
ENSG00000058866	DGKG	2.882225	1.174437	7.073364	0.0132
ENSG00000005108	THSD7A	0.327348	0.13517	0.792753	0.0133
ENSG00000177989	ODF3B	0.374011	0.14544	0.961801	0.0134
ENSG00000158352	SHROOM4	0.331473	0.136973	0.802163	0.0134
ENSG00000166147	FBN1	0.328999	0.135892	0.796517	0.0136
ENSG00000261572	AC097639.1	0.348779	0.142191	0.855518	0.0136
ENSG00000121210	TMEM131L	0.333845	0.138008	0.807583	0.0136
ENSG00000168016	TRANK1	0.345646	0.140791	0.848574	0.0142
ENSG00000113594	LIFR	0.352333	0.143778	0.863404	0.0143
ENSG00000153283	CD96	0.345761	0.140842	0.848829	0.0145
ENSG00000166762	CATSPER2	0.338453	0.140015	0.818131	0.0146
ENSG00000134954	ETS1	0.335641	0.138791	0.811691	0.0146
ENSG00000160219	GAB3	0.330798	0.136678	0.800621	0.0147
ENSG00000260238	PMF1- BGLAP	3.14034	1.306797	7.54649	0.0147
ENSG00000269936	NA	0.334603	0.138338	0.809316	0.015
ENSG00000136052	SLC41A2	0.31639	0.131651	0.760362	0.0151
ENSG00000163453	IGFBP7	0.34889	0.142241	0.855764	0.0154
ENSG00000135414	GDF11	0.337882	0.139766	0.816821	0.0155
ENSG00000069431	ABCC9	0.362129	0.144655	0.906552	0.0159
ENSG00000126759	CFP	0.383097	0.149593	0.981081	0.0159
ENSG00000279970	AC023024.2	0.341603	0.141385	0.825356	0.016
ENSG00000150961	SEC24D	0.325864	0.135626	0.782942	0.016
ENSG00000080573	COL5A3	2.937736	1.215672	7.099194	0.0161
ENSG00000104419	NDRG1	2.659499	1.067625	6.624924	0.0162
ENSG00000157483	MYO1E	0.319009	0.132752	0.76659	0.0162
ENSG00000115163	CENPA	2.697083	1.080757	6.730703	0.0164
ENSG00000166780	C16orf45	0.368002	0.142692	0.94908	0.0164
ENSG00000109861	CTSC	2.792778	1.113872	7.002253	0.0164
ENSG00000228486	LINC01125	0.353684	0.144381	0.866407	0.0164
ENSG00000071242	RPS6KA2	0.386286	0.151051	0.987861	0.0165

ENSG00000139946	PELI2	0.354409	0.144704	0.868017	0.0166
ENSG00000182704	TSKU	3.067835	1.276848	7.370971	0.0167
ENSG00000072952	MRVI1	0.352105	0.143676	0.862899	0.0169
ENSG00000196950	SLC39A10	2.597944	1.015274	6.647775	0.0169
ENSG00000124243	BCAS4	2.90916	1.20443	7.026739	0.0172
ENSG00000197122	SRC	2.718382	1.053973	7.011188	0.0173
ENSG00000137834	SMAD6	0.362444	0.144798	0.907234	0.0173
ENSG00000129993	CBFA2T3	0.368082	0.147355	0.919445	0.0175
ENSG00000261236	BOP1	2.889405	1.19664	6.976756	0.0176
ENSG00000090006	LTBP4	0.347442	0.143918	0.838782	0.0177
ENSG00000197496	SLC2A10	0.34654	0.143527	0.836704	0.0177
ENSG00000100100	PIK3IP1	0.343639	0.142269	0.830031	0.0177
ENSG00000073111	MCM2	2.730094	1.092233	6.824018	0.0178
ENSG00000176788	BASP1	0.342245	0.141663	0.826829	0.0179
ENSG00000274922	AL139384.1	2.658804	1.067382	6.622973	0.0179
ENSG00000175130	MARCKSL1	2.812954	1.148845	6.887534	0.0179
ENSG00000139734	DIAPH3	2.709752	1.085168	6.76647	0.018
ENSG00000183763	TRAIP	2.699844	1.081719	6.738493	0.0181
ENSG00000187479	C11orf96	0.38623	0.155565	0.958917	0.0182
ENSG00000277494	GPIHBP1	0.368904	0.147727	0.921227	0.0182
ENSG00000168386	FILIP1L	0.326939	0.136075	0.785512	0.0183
ENSG00000117154	IGSF21	0.383574	0.144095	1.02106	0.0183
ENSG00000145555	MYO10	0.34518	0.142938	0.833576	0.0184
ENSG00000223865	HLA-DPB1	0.358643	0.146591	0.877438	0.0185
ENSG00000101447	FAM83D	2.777747	1.135756	6.793605	0.0185
ENSG00000105383	CD33	0.360247	0.147305	0.881013	0.0188
ENSG00000136457	CHAD	0.367608	0.150578	0.897444	0.0189
ENSG00000125266	EFNB2	0.360059	0.147222	0.880594	0.0189
ENSG00000104549	SQLE	3.039074	1.264924	7.301603	0.019
ENSG00000236675	MTX1P1	2.622663	1.054684	6.521727	0.0191
ENSG00000110723	EXPH5	0.354424	0.146939	0.854891	0.0192
ENSG00000204681	GABBR1	0.346754	0.14362	0.837197	0.0192
ENSG00000196756	SNHG17	3.036363	1.263799	7.295071	0.0192
ENSG00000143195	ILDR2	2.876261	1.191448	6.943548	0.0193
ENSG00000198826	ARHGAP11A	2.680741	1.075056	6.684649	0.0193
ENSG00000106258	CYP3A5	0.329846	0.13729	0.792476	0.0198
ENSG00000171608	PIK3CD	0.359465	0.146957	0.879271	0.0198
ENSG00000243244	STON1	0.347988	0.144155	0.840038	0.0198
ENSG00000204338	CYP21A1P	2.639807	1.083936	6.428962	0.02
ENSG00000134278	SPIRE1	0.34836	0.144316	0.840895	0.0202
ENSG00000106701	FSD1L	2.810589	1.165412	6.778214	0.0202
ENSG00000166123	GPT2	0.369603	0.151464	0.901908	0.0204
ENSG00000220842	RPL21P16	2.957876	1.231123	7.106543	0.0204

ENSG00000167874	TMEM88	0.405467	0.154116	1.06675	0.0205
ENSG00000138587	MNS1	2.677331	1.073865	6.675051	0.0209
ENSG00000106823	ECM2	0.378896	0.152251	0.942936	0.0213
ENSG00000211677	IGLC2	0.367123	0.150363	0.89636	0.0216
ENSG00000135476	ESPL1	2.63785	1.060028	6.564215	0.0216
ENSG00000152402	GUCY1A2	0.352913	0.146286	0.851398	0.0216
ENSG00000182612	TSPAN10	2.687612	1.101992	6.554727	0.0216
ENSG00000112964	GHR	0.373395	0.153146	0.910399	0.0218
ENSG00000249751	ECSCR	0.397461	0.156153	1.011667	0.0219
ENSG00000037280	FLT4	0.380792	0.153108	0.947062	0.0222
ENSG00000103241	FOXF1	0.378463	0.152055	0.941993	0.0223
ENSG00000165810	BTNL9	0.394098	0.154618	1.004495	0.0223
ENSG00000117020	AKT3	0.336689	0.140138	0.808914	0.0224
ENSG00000203747	FCGR3A	0.337805	0.140601	0.811603	0.0227
ENSG00000204872	NAT8B	2.572282	1.006923	6.57114	0.0229
ENSG00000173276	ZBTB21	0.376171	0.154375	0.916625	0.0229
ENSG00000151623	NR3C2	0.378481	0.155398	0.921813	0.023
ENSG00000149591	TAGLN	0.374849	0.15379	0.91366	0.0232
ENSG00000154258	ABCA9	0.372773	0.15287	0.909006	0.0233
ENSG00000156398	SFXN2	0.394888	0.159471	0.977839	0.0233
ENSG00000182541	LIMK2	0.339217	0.141187	0.815007	0.0234
ENSG00000186642	PDE2A	0.384635	0.154844	0.955439	0.0236
ENSG00000117399	CDC20	2.683088	1.100288	6.542798	0.0239
ENSG00000088826	SMOX	2.625721	1.055761	6.530277	0.0239
ENSG00000163995	ABLIM2	0.380066	0.156099	0.925375	0.0239
ENSG00000185924	RTN4RL1	0.393797	0.158979	0.97545	0.024
ENSG00000237550	RPL9P9	2.635683	1.082373	6.418144	0.024
ENSG00000184428	TOP1MT	2.666576	1.094059	6.499305	0.024
ENSG00000104147	OIP5	2.54274	0.997264	6.483267	0.0242
ENSG00000118407	FILIP1	0.386641	0.15575	0.959813	0.0243
ENSG00000175591	P2RY2	2.577259	1.060152	6.265387	0.0243
ENSG00000090659	CD209	0.394097	0.154618	1.004492	0.0246
ENSG00000213928	IRF9	0.359565	0.149156	0.866789	0.0246
ENSG00000147684	NDUFB9	2.885497	1.200825	6.933646	0.025
ENSG00000100162	CENPM	2.659295	1.091309	6.480152	0.0251
ENSG00000166432	ZMAT1	0.347176	0.144478	0.834252	0.0254
ENSG00000127824	TUBA4A	2.655881	1.090019	6.471179	0.0255
ENSG00000172215	CXCR6	0.392809	0.158533	0.97329	0.0256
ENSG00000090889	KIF4A	2.559608	1.032369	6.346175	0.0257
ENSG00000133401	PDZD2	0.373512	0.153198	0.910662	0.0257
ENSG00000186198	SLC51B	2.901034	1.207342	6.970683	0.0258
ENSG00000071246	VASH1	0.393792	0.158977	0.97544	0.0258
ENSG00000111671	SPSB2	2.883089	1.199814	6.927909	0.0259

ENSG00000233461	AL445524.1	2.905436	1.209187	6.981183	0.026
ENSG00000168546	GFRA2	0.405086	0.153942	1.065953	0.0262
ENSG00000204388	HSPA1B	2.654361	1.089444	6.467183	0.0263
ENSG00000235568	NFAM1	0.377261	0.154858	0.919073	0.0265
ENSG00000140479	PCSK6	0.367805	0.152699	0.88593	0.0266
ENSG00000147676	MAL2	2.514012	0.987822	6.398171	0.0266
ENSG00000021488	SLC7A9	2.748715	1.14073	6.623333	0.0266
ENSG00000177943	MAMDC4	0.386039	0.158738	0.938818	0.0268
ENSG00000105497	ZNF175	0.389938	0.157238	0.967013	0.0268
ENSG00000117643	MAN1C1	0.394135	0.159131	0.97619	0.0269
ENSG00000173546	CSPG4	0.365718	0.151803	0.881076	0.0269
ENSG00000156170	NDUFAF6	2.644155	1.085582	6.440375	0.0269
ENSG00000157399	ARSE	2.73942	1.137009	6.600139	0.0272
ENSG00000007314	SCN4A	0.379237	0.155732	0.92351	0.0273
ENSG00000182963	GJC1	0.352822	0.146802	0.847965	0.0275
ENSG00000164116	GUCY1A3	0.382463	0.157159	0.930766	0.0278
ENSG00000166851	PLK1	2.604576	1.070561	6.336691	0.0279
ENSG00000130508	PXDN	0.367369	0.152512	0.884915	0.0279
ENSG00000181638	ZFP41	2.628155	1.079519	6.398406	0.028
ENSG00000265107	GJA5	0.386776	0.159063	0.94048	0.0282
ENSG00000114790	ARHGEF26	0.380761	0.156407	0.926938	0.0282
ENSG00000253669	AP003356.1	2.685644	1.11542	6.466343	0.0283
ENSG00000164342	TLR3	0.397697	0.156261	1.012171	0.0283
ENSG00000064687	ABCA7	0.36798	0.152774	0.886337	0.0285
ENSG00000117586	TNFSF4	2.518464	1.017696	6.232369	0.0288
ENSG00000105137	SYDE1	0.388597	0.159866	0.944586	0.0288
ENSG00000164649	CDCA7L	2.58295	1.062324	6.280225	0.0291
ENSG00000164199	ADGRV1	2.581667	1.061834	6.276877	0.0292
ENSG00000178999	AURKB	2.521224	1.018683	6.239984	0.0294
ENSG00000169241	SLC50A1	2.383387	0.968896	5.862894	0.0295
ENSG00000151470	C4orf33	0.373022	0.154934	0.898091	0.0295
ENSG00000163815	CLEC3B	0.417483	0.159618	1.091932	0.0296
ENSG00000235162	C12orf75	2.488879	1.007091	6.150901	0.0297
ENSG00000214435	AS3MT	0.330334	0.136328	0.800429	0.0297
ENSG00000183018	SPNS2	0.399961	0.161756	0.988952	0.0298
ENSG00000260244	AC104083.1	0.385135	0.158339	0.936783	0.0301
ENSG00000150656	CNDP1	0.375919	0.156173	0.904859	0.0303
ENSG00000174175	SELP	0.391468	0.161132	0.95107	0.0303
ENSG00000161405	IKZF3	0.385119	0.158332	0.936745	0.0303
ENSG00000099998	GGT5	0.418927	0.165939	1.057617	0.0306
ENSG00000143369	ECM1	0.415226	0.164253	1.049673	0.0308
ENSG00000113739	STC2	2.628924	1.092527	6.325926	0.0308
ENSG00000069122	ADGRF5	0.386625	0.158997	0.940141	0.0309

ENSG00000157303	SUSD3	2.668375	1.108463	6.423514	0.031
ENSG00000138180	CEP55	2.354869	0.934649	5.933146	0.0314
ENSG00000184702	5-Sep	2.509949	1.014649	6.20889	0.0315
ENSG00000088325	TPX2	2.434936	0.961587	6.165755	0.0316
ENSG00000237649	KIFC1	2.434936	0.961587	6.165755	0.0316
ENSG00000106819	ASPN	0.379445	0.157679	0.913111	0.0318
ENSG00000182578	CSF1R	0.400214	0.16187	0.989507	0.0319
ENSG00000147251	DOCK11	0.388942	0.160019	0.945366	0.0319
ENSG00000069966	GNB5	0.378957	0.157471	0.911968	0.0319
ENSG00000186854	TRABD2A	2.506122	1.032884	6.080691	0.032
ENSG00000134285	FKBP11	2.531189	1.042519	6.145612	0.032
ENSG00000105894	PTN	0.422526	0.167577	1.065349	0.0322
ENSG00000132465	JCHAIN	0.392762	0.161701	0.953992	0.0325
ENSG00000124491	F13A1	0.404398	0.159318	1.026484	0.0326
ENSG00000067113	PLPP1	0.407479	0.160723	1.033075	0.0326
ENSG00000174137	FAM53A	2.637414	1.095961	6.346898	0.0327
ENSG00000121068	TBX2	0.417741	0.165399	1.055071	0.0327
ENSG00000129173	E2F8	2.452699	0.994058	6.051688	0.0329
ENSG00000148123	PLPPR1	2.541706	1.046553	6.172901	0.033
ENSG00000136371	MTHFS	0.381077	0.158375	0.916934	0.033
ENSG00000112877	CEP72	2.543297	1.047163	6.177031	0.0333
ENSG00000197043	ANXA6	2.999854	1.237328	7.273027	0.0333
ENSG00000175793	SFN	2.551133	1.050165	6.197389	0.0335
ENSG00000170775	GPR37	0.381761	0.158667	0.918538	0.0335
ENSG00000204536	CCHCR1	2.626992	1.091744	6.321155	0.0336
ENSG00000149212	SESN3	0.395128	0.162743	0.959344	0.034
ENSG00000174600	CMKLR1	0.413481	0.163458	1.045931	0.0343
ENSG00000167900	TK1	2.607751	1.083949	6.273695	0.0346
ENSG00000123416	TUBA1B	2.400814	0.950154	6.066292	0.0346
ENSG00000166803	PCLAF	2.452324	0.993923	6.050663	0.0347
ENSG00000234949	AC104667.2	2.479778	1.003819	6.125903	0.0347
ENSG00000100985	MMP9	2.459068	0.996358	6.069121	0.0348
ENSG00000228253	MT-ATP8	0.381084	0.158378	0.916951	0.0348
ENSG00000153551	CMTM7	2.760067	1.147942	6.636196	0.0348
ENSG00000178860	MSC	2.712533	1.127777	6.524193	0.035
ENSG00000165828	PRAP1	2.515303	1.036416	6.104449	0.0352
ENSG00000196584	XRCC2	2.290273	0.883228	5.938842	0.0352
ENSG00000138075	ABCG5	0.386061	0.160497	0.928634	0.0353
ENSG00000198795	ZNF521	0.406849	0.164854	1.004076	0.0356
ENSG00000123485	HJURP	2.377736	0.910407	6.210003	0.0358
ENSG00000171503	ETFDH	0.389518	0.161966	0.936767	0.0358
ENSG00000174804	FZD4	0.406361	0.164635	1.003002	0.0361
ENSG00000159216	RUNX1	0.396876	0.163511	0.963299	0.0361

ENSG00000104408	EIF3E	2.468322	0.999695	6.094474	0.0361
ENSG00000164061	BSN	2.437149	0.988436	6.009188	0.0362
ENSG00000167601	AXL	0.402473	0.16597	0.975989	0.0363
ENSG00000137033	IL33	0.41043	0.166463	1.011952	0.0364
ENSG00000145390	USP53	0.408754	0.165711	1.008265	0.0364
ENSG00000085741	WNT11	0.414584	0.163961	1.048296	0.0366
ENSG00000204161	C10orf128	0.396708	0.163437	0.962919	0.0367
ENSG00000272502	AC104958.2	2.571092	1.069056	6.183504	0.0368
ENSG00000275718	CCL15	2.444754	0.991187	6.029964	0.0368
ENSG00000104889	RNASEH2A	2.506454	1.033011	6.081549	0.0369
ENSG00000109881	CCDC34	2.490143	1.026726	6.039402	0.037
ENSG00000106003	LFNG	0.40648	0.167726	0.98509	0.0372
ENSG00000245910	SNHG6	2.463018	1.016246	5.969477	0.0373
ENSG00000213203	GIMAP1	0.41881	0.165886	1.057366	0.0374
ENSG00000117394	SLC2A1	2.502221	1.031382	6.070605	0.0375
ENSG00000179954	SSC5D	0.413346	0.167772	1.018373	0.0376
ENSG00000101003	GIN51	2.361993	0.937061	5.953731	0.0376
ENSG00000023839	ABCC2	2.43935	1.007074	5.90863	0.0376
ENSG00000228146	CASP16P	2.497845	1.029695	6.059294	0.0377
ENSG00000082196	C1QTNF3	2.501212	1.030993	6.067996	0.0378
ENSG00000136997	MYC	2.436252	1.005871	5.900679	0.0381
ENSG00000178896	EXOSC4	2.538716	1.055861	6.104102	0.0381
ENSG00000180964	TCEAL8	2.433012	0.986938	5.997895	0.0383
ENSG00000106991	ENG	0.438125	0.174669	1.098957	0.0383
ENSG00000170390	DCLK2	0.388303	0.16145	0.933905	0.0388
ENSG00000197442	MAP3K5	0.402022	0.165772	0.974964	0.0389
ENSG00000134369	NAV1	0.391773	0.162923	0.942077	0.0391
ENSG00000109805	NCAPG	2.380965	0.943471	6.008659	0.0392
ENSG00000153563	CD8A	0.416775	0.169311	1.025932	0.0393
ENSG00000175265	GOLGA8A	0.403592	0.166461	0.978528	0.0394
ENSG00000144857	BOC	0.414488	0.168285	1.020889	0.0395
ENSG00000102934	PLL2	2.566802	1.06731	6.172969	0.0395
ENSG00000184792	OSBP2	2.384805	0.944765	6.019796	0.0396
ENSG00000279611	AC012313.10	0.391589	0.162845	0.941644	0.0397
ENSG00000154556	SORBS2	0.420552	0.166679	1.061107	0.0397
ENSG00000225200	AC246787.1	2.499139	1.039674	6.007358	0.0398
ENSG00000127914	AKAP9	0.396256	0.164822	0.952659	0.0398
ENSG00000186185	KIF18B	2.339288	0.929362	5.888198	0.04
ENSG00000107864	CPEB3	0.40998	0.169259	0.993055	0.0401
ENSG00000116824	CD2	0.416384	0.169136	1.02507	0.0402
ENSG00000110077	MS4A6A	0.41574	0.168847	1.02365	0.0402
ENSG00000035499	DEPDC1B	2.322122	0.893182	6.037122	0.0403
ENSG00000099337	KCNK6	0.418962	0.170291	1.030758	0.0403

ENSG00000104728	ARHGEF10	0.394334	0.164008	0.948119	0.0405
ENSG00000196159	FAT4	0.41981	0.170671	1.03263	0.0407
ENSG00000164283	ESM1	0.37575	0.156152	0.904171	0.0408
ENSG00000137970	RPL7P9	2.645479	1.099215	6.366872	0.0408
ENSG00000119922	IFIT2	0.375142	0.155906	0.902671	0.0408
ENSG00000204650	LINC02210	2.388234	0.945921	6.029747	0.041
ENSG00000171848	RRM2	2.364389	0.937872	5.960661	0.041
ENSG00000069869	NEDD4	0.378191	0.157139	0.910204	0.041
ENSG00000103150	MLYCD	0.42917	0.174861	1.053334	0.0411
ENSG00000160336	ZNF761	2.338061	0.860024	6.356251	0.0411
ENSG00000182853	VMO1	0.421318	0.171347	1.035962	0.0413
ENSG00000261716	AC239868.2	2.303483	0.917158	5.7853	0.0416
ENSG00000079337	RAPGEF3	0.410016	0.169275	0.993137	0.0416
ENSG00000101825	MXRA5	0.396367	0.164868	0.95292	0.0417
ENSG00000169744	LDB2	0.426694	0.169473	1.074313	0.0417
ENSG00000204291	COL15A1	0.414929	0.168483	1.021862	0.0418
ENSG00000113356	POLR3G	2.385428	0.96964	5.868431	0.042
ENSG00000144199	FAHD2B	2.517778	1.047305	6.052876	0.0422
ENSG00000125848	FLRT3	0.416767	0.172225	1.008532	0.0422
ENSG00000179144	GIMAP7	0.418192	0.169946	1.029059	0.0422
ENSG00000104814	MAP4K1	0.421429	0.171397	1.036207	0.0423
ENSG00000211598	IGKV4-1	0.402406	0.16742	0.967213	0.0427
ENSG00000122966	CIT	2.351725	0.957315	5.777211	0.0427
ENSG00000206535	LNP1	0.434926	0.167603	1.128619	0.0428
ENSG00000102098	SCML2	2.254535	0.871979	5.82919	0.0429
ENSG00000135424	ITGA7	0.425483	0.168923	1.071709	0.0429
ENSG00000175329	ISX	2.359255	0.960074	5.797557	0.0431
ENSG00000164611	PTTG1	2.437817	1.006479	5.904697	0.0431
ENSG00000257698	AC084033.3	2.477016	1.0306	5.953436	0.0434
ENSG00000146205	ANO7	2.276907	0.908049	5.709279	0.0434
ENSG00000120254	MTHFD1L	2.385953	0.969832	5.869855	0.0434
ENSG00000237424	FOXD2-AS1	2.49459	1.03781	5.996261	0.0437
ENSG00000130176	CNN1	0.420817	0.171122	1.034854	0.0438
ENSG00000161016	RPL8	2.395647	0.990068	5.796698	0.0438
ENSG00000128274	A4GALT	0.42561	0.16898	1.071981	0.0438
ENSG00000100479	POLE2	2.345525	0.955041	5.760472	0.0438
ENSG00000134222	PSRC1	2.433582	1.004835	5.893828	0.0439
ENSG00000134013	LOXL2	0.416033	0.171905	1.006856	0.0439
ENSG00000122787	AKR1D1	0.415818	0.171811	1.006365	0.0442
ENSG00000144668	ITGA9	0.444315	0.177478	1.112335	0.0443
ENSG00000178202	KDELC2	0.423125	0.172156	1.039955	0.0443
ENSG00000154839	SKA1	2.390304	0.987983	5.783051	0.045
ENSG00000124406	ATP8A1	0.401996	0.167247	0.966242	0.0454

ENSG00000197859	ADAMTSL2	0.423115	0.174993	1.023048	0.0456
ENSG00000170498	KISS1	2.428987	1.003049	5.88204	0.0457
ENSG00000196227	FAM217B	2.35304	0.957797	5.780763	0.0462
ENSG00000173267	SNCG	2.480659	1.032095	5.962308	0.0463
ENSG00000142279	WTIP	0.413871	0.17096	1.001922	0.0463
ENSG00000149925	ALDOA	2.378449	0.983351	5.752799	0.0464
ENSG00000187498	COL4A1	0.414897	0.171409	1.004264	0.0466
ENSG00000105374	NKG7	0.448537	0.166841	1.205846	0.0472
ENSG00000157111	TMEM171	2.340858	0.953328	5.747882	0.0474
ENSG00000134690	CDCA8	2.264038	0.903623	5.672574	0.0475
ENSG00000151468	CCDC3	0.459987	0.184581	1.146316	0.0476
ENSG00000132639	SNAP25	0.403407	0.167842	0.969587	0.0477
ENSG00000104738	MCM4	2.296396	0.914733	5.764998	0.0478
ENSG00000164687	FABP5	2.342948	0.969441	5.662443	0.0479
ENSG00000115232	ITGA4	0.396098	0.16433	0.954748	0.048
ENSG00000198771	RCSD1	0.396098	0.16433	0.954748	0.048
ENSG00000197696	NMB	2.36391	0.977662	5.715752	0.0481
ENSG00000113532	ST8SIA4	0.416123	0.171944	1.007061	0.0482
ENSG00000003989	SLC7A2	0.389582	0.161723	0.938481	0.0483
ENSG00000165457	FOLR2	0.439836	0.169851	1.138976	0.0483
ENSG00000142149	HUNK	2.274328	0.878219	5.889837	0.0484
ENSG00000182985	CADM1	0.424885	0.175764	1.027102	0.0484
ENSG00000181847	TIGIT	0.418209	0.172855	1.011826	0.0485
ENSG00000198821	CD247	0.436755	0.174047	1.095999	0.0485
ENSG00000143507	DUSP10	0.407523	0.169575	0.979358	0.0486
ENSG00000269352	PTOV1-AS2	0.422824	0.174866	1.022381	0.0487
ENSG00000149554	CHEK1	2.28109	0.909486	5.721223	0.0488
ENSG00000164695	CHMP4C	2.238428	0.866881	5.779987	0.0488
ENSG00000120907	ADRA1A	0.433804	0.176932	1.06361	0.049
ENSG00000134240	HMGCS2	0.407941	0.169751	0.980352	0.049
ENSG00000234432	AC092171.3	0.426308	0.176383	1.030365	0.049
ENSG00000101265	RASSF2	0.417424	0.172512	1.010032	0.049
ENSG00000187193	MT1X	0.43768	0.178661	1.072217	0.0492
ENSG00000162367	TAL1	0.420228	0.173735	1.016441	0.0492
ENSG00000111275	ALDH2	0.44478	0.181826	1.088015	0.0493
ENSG00000142530	FAM71E1	2.339243	0.952735	5.743528	0.0493
ENSG00000178977	LINC00324	0.429062	0.17758	1.036683	0.0494
ENSG00000151790	TDO2	2.328562	0.948808	5.714748	0.0496
ENSG00000125810	CD93	0.429595	0.175051	1.054277	0.0496
ENSG00000168672	FAM84B	2.327378	0.948373	5.71156	0.0497
ENSG00000162769	FLVCR1	2.227622	0.863451	5.747054	0.0497
ENSG00000179271	GADD45GIP1	2.509465	1.040865	6.050175	0.0498