

Supplementary Table 1 Univariate cox regression analysis of the 1317 differential expressed genes

Gene symbol	Hazard ratio	95%CI-low	95%CI-high	P value
<i>IGJ</i>	0.885414	0.833433	0.940637	8.06E-05
<i>USP41</i>	1.439924	1.179311	1.758129	0.000345
<i>WT1</i>	1.187622	1.075705	1.311183	0.000662
<i>PXDNL</i>	1.181671	1.071518	1.303149	0.000827
<i>SPDYC</i>	1.131026	1.052181	1.215779	0.000839
<i>NGB</i>	1.385887	1.134441	1.693066	0.001399
<i>PAX7</i>	1.197146	1.071033	1.338109	0.001534
<i>PIGR</i>	0.886295	0.82204	0.955574	0.00167
<i>TP53AIP1</i>	0.576119	0.406984	0.815544	0.001872
<i>SHCBP1</i>	1.273408	1.092538	1.48422	0.001986
<i>TSLP</i>	0.508036	0.327419	0.788289	0.002517
<i>CACNA1H</i>	1.14139	1.046377	1.24503	0.002861
<i>SUSD3</i>	0.893465	0.829425	0.96245	0.002992
<i>SAA2.SAA4</i>	0.852102	0.766329	0.947476	0.00311
<i>KCNK9</i>	1.40742	1.117642	1.77233	0.003666
<i>TNFRSF18</i>	0.843822	0.752081	0.946752	0.003831
<i>FOXJ1</i>	0.860801	0.776621	0.954105	0.004307
<i>S100B</i>	0.873337	0.79563	0.958634	0.004393
<i>HSD11B1</i>	0.803015	0.690482	0.933888	0.004401
<i>KLHDC7B</i>	0.871305	0.790025	0.960947	0.005829
<i>TEX19</i>	1.270052	1.071128	1.50592	0.005949
<i>MEOX1</i>	0.848498	0.753762	0.955142	0.006533
<i>LTB</i>	0.871824	0.789567	0.96265	0.006672
<i>CEMIP</i>	1.170143	1.044451	1.310962	0.006726
<i>ITPRIPL1</i>	0.726829	0.576643	0.91613	0.006899
<i>TUBA3D</i>	0.873549	0.791728	0.963826	0.007055
<i>PSCA</i>	1.106717	1.02785	1.191636	0.007184
<i>SPIB</i>	0.83658	0.734403	0.952972	0.007259

<i>TP63</i>	0.857212	0.766009	0.959273	0.007266
<i>RDH16</i>	1.197485	1.049607	1.366197	0.007364
<i>MLIP</i>	1.635199	1.140199	2.345096	0.007514
<i>FREM1</i>	0.722107	0.568411	0.917362	0.007668
<i>SAA1</i>	0.910725	0.850207	0.975551	0.007687
<i>GABRQ</i>	1.185455	1.043416	1.34683	0.008985
<i>COL17A1</i>	0.896589	0.825875	0.973359	0.00921
<i>IL33</i>	0.873938	0.789653	0.96722	0.009212
<i>SAA4</i>	0.767815	0.629144	0.937052	0.00933
<i>LYZL2</i>	1.328393	1.071953	1.64618	0.009462
<i>C2orf40</i>	0.867943	0.779223	0.966764	0.010043
<i>IL12B</i>	0.588477	0.392403	0.882526	0.010337
<i>EGR3</i>	0.877948	0.794639	0.96999	0.010498
<i>SLC7A3</i>	0.743259	0.591222	0.934393	0.01105
<i>HOXC13</i>	1.138662	1.030115	1.258647	0.011072
<i>RHBDL1</i>	0.840243	0.734604	0.961073	0.011112
<i>VGF</i>	1.185031	1.039253	1.351259	0.01125
<i>SORBS1</i>	0.828307	0.715468	0.958943	0.011701
<i>SIM2</i>	1.159641	1.032553	1.302373	0.012389
<i>HMGB3</i>	1.200505	1.040216	1.385493	0.012448
<i>LCN1</i>	1.747278	1.127843	2.706921	0.012468
<i>CFB</i>	0.894063	0.8188	0.976244	0.012566
<i>CXCL2</i>	0.852928	0.752532	0.966718	0.012784
<i>SNTN</i>	0.524053	0.313572	0.875818	0.013663
<i>GRM8</i>	1.618198	1.102208	2.375743	0.014023
<i>TH</i>	1.262714	1.048245	1.521063	0.014047
<i>IGFALS</i>	0.869941	0.778393	0.972257	0.014054
<i>ERCC6L</i>	1.23628	1.042737	1.465747	0.014618
<i>CFAP99</i>	0.551504	0.341921	0.889554	0.014696
<i>ACTL8</i>	1.096303	1.018207	1.18039	0.014749
<i>KLF15</i>	0.789891	0.653455	0.954813	0.014773

<i>HHIPL2</i>	1.151536	1.027905	1.290038	0.014895
<i>WDR38</i>	0.721619	0.553985	0.939979	0.015569
<i>FOXD1</i>	1.157533	1.027371	1.304185	0.016233
<i>EGR2</i>	0.851635	0.747061	0.970847	0.016279
<i>TACR1</i>	0.816415	0.691585	0.963777	0.016586
<i>DTX1</i>	0.795829	0.66017	0.959365	0.016619
<i>SQLE</i>	1.190281	1.031666	1.373283	0.016977
<i>PRAME</i>	1.073365	1.012733	1.137625	0.017011
<i>B4GALNT2</i>	1.190416	1.030542	1.375091	0.017844
<i>SAA2</i>	0.889795	0.807843	0.98006	0.017859
<i>CLCA4</i>	0.645728	0.448396	0.929902	0.018747
<i>IL17B</i>	0.803029	0.668119	0.965181	0.019407
<i>POU3F2</i>	1.290933	1.040904	1.60102	0.020074
<i>SRD5A2</i>	0.615676	0.408004	0.929051	0.020859
<i>STAC2</i>	0.928206	0.871206	0.988935	0.021218
<i>NDRG2</i>	0.853901	0.746508	0.976743	0.021273
<i>CENPI</i>	1.214176	1.028642	1.433173	0.021805
<i>TFF1</i>	0.955547	0.919058	0.993484	0.022077
<i>NRG1</i>	0.794215	0.651849	0.967674	0.022255
<i>ALX4</i>	0.822017	0.694593	0.972817	0.022569
<i>SFRP1</i>	0.929593	0.873036	0.989813	0.022627
<i>PLK1</i>	1.163755	1.020875	1.326631	0.023263
<i>DOK7</i>	0.883764	0.794181	0.983452	0.023453
<i>ZBED2</i>	0.812761	0.679168	0.972632	0.023646
<i>RBP4</i>	0.901504	0.823777	0.986565	0.024197
<i>KCNE1</i>	0.321438	0.119487	0.864718	0.024586
<i>IVL</i>	1.137038	1.016483	1.27189	0.024713
<i>JPH3</i>	1.240784	1.027549	1.498269	0.024933
<i>RNF186</i>	0.663234	0.461856	0.952416	0.026147
<i>C1orf189</i>	0.79125	0.643285	0.97325	0.026646
<i>STAB2</i>	0.515791	0.28675	0.927777	0.027089

<i>NGFR</i>	0.88791	0.798852	0.986897	0.027486
<i>FAM72C</i>	1.370776	1.034054	1.817144	0.028322
<i>SLC27A6</i>	0.855595	0.743933	0.984016	0.02883
<i>AMH</i>	1.15517	1.01466	1.315139	0.029265
<i>ABCD2</i>	0.722217	0.538985	0.967739	0.029287
<i>CAMK2N2</i>	1.193024	1.017706	1.398542	0.029526
<i>TUBA3E</i>	0.869403	0.766283	0.9864	0.029815
<i>CCDC69</i>	0.850373	0.734402	0.984656	0.03026
<i>MT1M</i>	0.862159	0.753543	0.986431	0.030864
<i>CXCL9</i>	0.924823	0.86143	0.992881	0.030992
<i>SERPINA12</i>	0.803419	0.657861	0.981184	0.031855
<i>SLC7A5</i>	1.1192	1.009719	1.240551	0.032023
<i>SHISA9</i>	1.153074	1.01213	1.313646	0.032257
<i>CLDN11</i>	0.856264	0.742662	0.987243	0.032618
<i>KCNJ10</i>	0.732087	0.549947	0.97455	0.032632
<i>ANLN</i>	1.143306	1.011055	1.292856	0.03274
<i>XKR7</i>	1.193107	1.014509	1.403147	0.032837
<i>CLEC6A</i>	0.582053	0.35361	0.958076	0.033304
<i>MTRF2</i>	1.198198	1.014309	1.415425	0.033412
<i>HMP19</i>	1.12215	1.009041	1.247937	0.033503
<i>KIAA0319</i>	1.222461	1.015758	1.471229	0.033553
<i>FAM72D</i>	1.272447	1.018346	1.589953	0.034013
<i>HIST3H2BB</i>	0.854233	0.738179	0.988532	0.034448
<i>ULBP1</i>	1.176217	1.01141	1.367879	0.035094
<i>DMD</i>	0.831512	0.700088	0.987607	0.03555
<i>PAK7</i>	0.660909	0.449064	0.972692	0.035695
<i>SYPL2</i>	1.391292	1.021474	1.895001	0.036195
<i>LIFR</i>	0.860788	0.748124	0.990419	0.036218
<i>IGF2BP1</i>	1.374741	1.02006	1.852747	0.036581
<i>CSMD2</i>	1.33485	1.018079	1.750183	0.036654
<i>CST1</i>	0.933837	0.875501	0.996059	0.03753

<i>ZMYND10</i>	0.896632	0.808902	0.993877	0.037814
<i>MS4A6E</i>	0.438822	0.20148	0.955752	0.038087
<i>ACSL1</i>	1.157193	1.008022	1.32844	0.038132
<i>UBE2T</i>	1.170309	1.007875	1.358923	0.039126
<i>PSD2</i>	1.331064	1.014357	1.746654	0.039133
<i>IDO1</i>	0.904029	0.821291	0.995101	0.039375
<i>RUFY4</i>	0.75858	0.58322	0.986668	0.039395
<i>LKAAEAR1</i>	0.715202	0.519827	0.984007	0.039494
<i>FGD3</i>	0.897326	0.809204	0.995045	0.039962
<i>MMP1</i>	1.073901	1.00307	1.149733	0.04056
<i>RGS2</i>	0.884349	0.786142	0.994824	0.04072
<i>C1orf194</i>	0.815754	0.670776	0.992067	0.041376
<i>TSPAN7</i>	0.872089	0.764578	0.994718	0.041464
<i>RAD51</i>	1.194154	1.006376	1.41697	0.042075
<i>SYNGR4</i>	1.257259	1.00801	1.56814	0.042282
<i>GSN</i>	0.824886	0.684706	0.993765	0.042787
<i>MYBPC1</i>	0.915451	0.840442	0.997155	0.042837
<i>CASP14</i>	1.064079	1.001943	1.130068	0.043052
<i>CXCL3</i>	0.741198	0.554521	0.990719	0.043078
<i>CCDC178</i>	0.646007	0.422848	0.986939	0.043304
<i>CCNB1</i>	1.187085	1.00516	1.401937	0.043321
<i>IGFBP6</i>	0.865203	0.751726	0.995809	0.043538
<i>ALDH1A1</i>	0.877033	0.772041	0.996304	0.043707
<i>SLC7A11</i>	1.155996	1.003839	1.331215	0.044096
<i>CD300LG</i>	0.847115	0.720729	0.995663	0.044147
<i>KCNH8</i>	0.707804	0.505342	0.991383	0.044399
<i>DACT2</i>	0.665759	0.44766	0.990114	0.044534
<i>ENSG00000260234</i>	0.501281	0.255435	0.983745	0.044685
<i>SPRY2</i>	0.853804	0.731388	0.996709	0.045315
<i>HCN2</i>	1.168823	1.002917	1.362175	0.045797
<i>CDC20B</i>	0.88373	0.782697	0.997804	0.045993

<i>TRDN</i>	1.248712	1.00388	1.553255	0.046071
<i>LHX1</i>	1.18446	1.002808	1.399018	0.046265
<i>TMEM92</i>	1.19578	1.002667	1.426085	0.046634
<i>D4S234E</i>	0.825399	0.683108	0.99733	0.046849
<i>ASCL1</i>	1.086042	1.001105	1.178184	0.046972
<i>ABCA10</i>	0.743467	0.554722	0.996434	0.04727
<i>SIX2</i>	1.104662	1.001042	1.219008	0.047626
<i>KIF4A</i>	1.144681	1.00106	1.308908	0.048218
<i>MAD2L1</i>	1.172772	1.000909	1.374146	0.048701
<i>NXPH4</i>	1.103903	1.000494	1.218	0.048861
<i>CLDN19</i>	0.778877	0.607191	0.999108	0.049185
<i>MAEL</i>	1.14808	1.000129	1.317919	0.049786
<i>LRRC2</i>	0.633663	0.401565	0.999909	0.049954
