

Table SIV. The significant results of univariate Cox analysis for immune-related genes in The Cancer Genome Atlas-colon adenocarcinoma dataset.

ID	Hazard Ratio	HR.95L	HR.95H	P-value
CGB2	2.931158	1.627774	5.278183	0.000339
PTPN6	2.438062	1.494645	3.976962	0.000357
S100Z	52.28512	5.668783	482.2436	0.000482
UCN	1.437757	1.170998	1.765286	0.000525
HSPA1A	1.266135	1.105914	1.449567	0.00063
INSL3	2.129085	1.377235	3.291378	0.000674
PTH1R	2.184785	1.365464	3.495725	0.001119
NTF4	2.024441	1.324595	3.094048	0.001119
LHB	1.459555	1.161852	1.833538	0.001159
CRLF1	2.496746	1.436333	4.340039	0.00118
SEMA4C	1.503977	1.166097	1.939759	0.001669
TRAJ52	1.310899	1.1039	1.556712	0.00202
IRF7	1.443287	1.141648	1.824622	0.002159
IFI30	1.762026	1.226451	2.531477	0.002183
LTB4R	1.328694	1.107781	1.593661	0.002189

CRHR1	5.57E+19	6841820	4.54E+32	0.002721
CD1A	0.674375	0.520672	0.873452	0.002834
NR2E1	40.72849	3.308884	501.32	0.003801
NGF	9.957474	2.084627	47.56309	0.003968
NFATC1	1.881766	1.221052	2.899993	0.00417
RBP7	1.533859	1.142656	2.058995	0.004404
ROBO3	1.442921	1.120789	1.85764	0.004446
RN7SL1	0.841673	0.746799	0.948599	0.004732
PLXNA3	1.458778	1.119903	1.900194	0.005117
HAMP	1.412947	1.106208	1.80474	0.005635
SEMA6C	1.46276	1.117112	1.915357	0.00569
CD1B	0.602122	0.419241	0.864779	0.006023
ANGPTL4	1.26456	1.068682	1.496339	0.006265
LMBR1L	2.01558	1.212932	3.349373	0.006832
C8G	1.218214	1.055204	1.406406	0.007079
VEGFD	4.918923	1.533538	15.77776	0.007384
FABP4	1.146644	1.037203	1.267633	0.007503
CSH2	2.590225	1.285992	5.217192	0.007721

CD72	1.802334	1.16727	2.782909	0.007866
INHBB	1.165833	1.037319	1.310269	0.01003
TGFB2	1.79826	1.147772	2.817405	0.010419
TNFRSF19	1.394078	1.080781	1.798194	0.010524
GCGR	1.955731	1.169259	3.271203	0.010595
BACH2	10.08875	1.713057	59.41592	0.01062
HSPA1L	1.663168	1.121603	2.466226	0.011377
IFNL1	1.813686	1.141215	2.882417	0.011775
SHC2	1.308511	1.059828	1.615546	0.01241
XCL1	1.424674	1.079064	1.880978	0.012534
IL7	0.41735	0.207643	0.83885	0.014155
IGHV3-35	0.852897	0.750949	0.968686	0.014294
BCL10	0.733562	0.572107	0.940581	0.014568
NR1H2	1.794042	1.121273	2.870476	0.014798
LCN1	1.770837	1.115614	2.810886	0.015348
RARA	1.359568	1.060516	1.742949	0.01537
TRDD2	1.649512	1.100413	2.472607	0.015382
CX3CL1	1.230148	1.039506	1.455753	0.015911

AMH	1.14891	1.026204	1.286288	0.016004
VAV2	1.431275	1.068177	1.917797	0.016318
ANGPT4	98.26197	2.283518	4228.307	0.016841
CCL22	0.80453	0.673001	0.961764	0.01694
NFATC4	1.340455	1.053735	1.705191	0.017023
TPM2	1.198376	1.031839	1.391792	0.017763
LEP	1.42525	1.062659	1.911562	0.017996
LCN8	1.413437	1.060085	1.884569	0.018398
RORC	0.806248	0.673821	0.964702	0.018647
PROK1	1.98352	1.113322	3.533886	0.020111
AVPR2	1.260362	1.036356	1.532786	0.020469
GRP	1.289886	1.039863	1.600024	0.020584
UTS2	1.293078	1.039489	1.608533	0.021016
FABP9	2.672353	1.155844	6.178575	0.021525
CLEC11A	1.276618	1.036548	1.57229	0.02158
NOS2	0.860635	0.755746	0.980081	0.023612
IL13	0.393956	0.175831	0.882673	0.023625
MCHR1	1.351836	1.041056	1.755393	0.023707

SPAG11B	74.41128	1.751992	3160.425	0.024251
IL1RL2	1.532743	1.056425	2.223822	0.02451
SCT	1.153688	1.018127	1.307298	0.024984
IL11RA	1.382669	1.039827	1.838549	0.025842
PLCG2	1.693249	1.064718	2.692817	0.026089
BDNF	2.985779	1.138323	7.83159	0.026196
JAG2	1.273074	1.026741	1.578507	0.027773
HSPA1B	1.253269	1.024529	1.533078	0.028117
PLXNB3	1.221679	1.020888	1.461963	0.028843
LTBP3	1.234867	1.020206	1.494696	0.030366
TNFRSF25	1.257162	1.021553	1.547111	0.030668
UTS2B	2.080814	1.067519	4.055932	0.03141
QRFP	1.402559	1.02995	1.909968	0.031771
CXCL1	0.860317	0.74989	0.987007	0.031829
TRBV6-8	1.506489	1.03545	2.191807	0.032188
EPOR	1.328918	1.024185	1.724321	0.032372
VEGFC	1.86674	1.053259	3.308508	0.032544
FLT4	1.371111	1.026306	1.831759	0.032707

SLC11A1	1.189606	1.01431	1.395197	0.032789
SEMA4D	1.69335	1.043249	2.748561	0.033065
FABP7	1.471482	1.030579	2.101013	0.033526
EPO	1.877684	1.050234	3.357061	0.033562
TXK	2.656488	1.077218	6.55107	0.033882
GAST	1.46036	1.028643	2.073267	0.034183
IGF1	2.518837	1.070808	5.924999	0.034283
MAP3K14	1.410818	1.023108	1.945451	0.035789
ULBP2	1.196714	1.011493	1.415851	0.036334
DAXX	1.602002	1.029508	2.492852	0.03672
CTF1	1.237874	1.013128	1.512478	0.036838
IGLV1-50	0.86288	0.750893	0.991569	0.037587
LTB4R2	1.33864	1.016656	1.7626	0.037743
ADIPOQ	1.191493	1.009634	1.40611	0.038132
PDIA2	1.160914	1.007641	1.337503	0.038892
NR1D1	1.291738	1.012725	1.647621	0.039226
ACTG1	0.667371	0.453874	0.981294	0.039786
IGKV2D-29	0.913335	0.837485	0.996055	0.04043

NGFR	1.218668	1.008453	1.472703	0.040648
SEMA5B	3.339125	1.048344	10.63559	0.041366
LRSAM1	1.599423	1.018166	2.512511	0.041541
S100A5	1.317857	1.01055	1.718617	0.041607
CRH	1.886819	1.022893	3.48041	0.042111
NMB	1.348119	1.010621	1.798326	0.042171
PAK6	1.415398	1.011437	1.980696	0.042735
APOD	1.135396	1.003266	1.284928	0.04426
IGLV7-43	0.92312	0.853818	0.998047	0.04453
OXTR	1.313206	1.006627	1.713157	0.044573
SEMA3E	3.374843	1.029779	11.06021	0.044599
FLT1	1.405076	1.008141	1.958296	0.044661
TYK2	1.507897	1.009083	2.253289	0.045061
CCRL2	0.762186	0.584189	0.994418	0.045369
IGKV2-24	0.919568	0.847018	0.998332	0.045523
MANF	0.711395	0.509432	0.993426	0.045643
GPHA2	1.385328	1.005958	1.907767	0.045896
NOX5	3.128511	1.020832	9.587852	0.045929

CXCR5	3.596762	1.021415	12.66546	0.046266
DEFB104B	2.29E+11	1.496259	3.51E+22	0.046522
CXCL3	0.86257	0.745586	0.99791	0.0468
DUOX1	1.326026	1.003915	1.751487	0.046869
CCL28	0.836309	0.7011	0.997593	0.04695
FAS	0.722344	0.523655	0.996423	0.047502
BST2	1.130824	1.000996	1.277491	0.04816
TNFRSF11A	0.807329	0.652615	0.99872	0.048637
DHX58	1.33482	1.001668	1.778776	0.048685
IGKV6-21	0.908755	0.826117	0.999659	0.049185
VEGFA	1.302478	1.00007	1.696329	0.049939

HR.95L, lower limit of the 95% confidence interval; HR.95H, upper limit of the 95% confidence interval.

Table SV. Significant results of univariate Cox analysis for programmed cell death-related genes in The Cancer Genome Atlas-colon adenocarcinoma dataset.

ID	Hazard Ratio	HR.95L	HR.95H	P-value
ATP2A1	2.017898	1.408795	2.890353	0.000128
NOG	1.607583	1.256109	2.057404	0.000162
POU4F2	4.883139	2.120984	11.24245	0.000194
NOL3	1.818154	1.326937	2.491213	0.000199
TERT	2.017393	1.382175	2.944544	0.000275
MIR210	1.234663	1.097791	1.388601	0.000438
POU4F1	1.478306	1.182735	1.847741	0.000593
HSPA1A	1.266135	1.105914	1.449567	0.00063
STK25	2.194921	1.38456	3.479574	0.000826
ALOX12	2.189268	1.368297	3.502818	0.001085
GPSM1	1.541347	1.188769	1.998496	0.001095
CTSD	1.661081	1.212772	2.275109	0.001567
FDFT1	0.65831	0.502696	0.862096	0.002379
DAPK1	1.491437	1.14929	1.935443	0.002643
GALNS	1.710297	1.194552	2.448712	0.003381

CDKN2A	1.274168	1.082925	1.499182	0.003499
TRAF1	1.592039	1.163839	2.177783	0.003624
IDUA	1.464726	1.130997	1.896929	0.003815
SLC39A8	0.697992	0.546896	0.890833	0.003868
NGF	9.957474	2.084627	47.56309	0.003968
FASTK	1.83129	1.211494	2.768172	0.004104
RRAGB	1.704576	1.180705	2.460883	0.004419
EEF1A2	1.285519	1.080295	1.529729	0.00465
TRAF2	1.952241	1.227691	3.104399	0.004702
MID2	1.800475	1.197343	2.707421	0.004724
FES	1.394134	1.099758	1.767307	0.006038
PLA2G15	1.768913	1.171513	2.670949	0.00667
TMEM150A	1.647981	1.148495	2.364695	0.006699
DLAT	0.641748	0.465012	0.885655	0.00696
ASAH1	0.650294	0.47544	0.889456	0.007079
ATP6V1C2	1.450558	1.103382	1.906973	0.007703
PIDD1	1.51861	1.113559	2.070997	0.008303
WIPI2	1.873531	1.162402	3.019712	0.009941

MAP1LC3C	2.008499	1.181364	3.414754	0.01001
INHBB	1.165833	1.037319	1.310269	0.01003
TRADD	1.668738	1.129179	2.466117	0.010181
TMC8	1.308966	1.065432	1.608167	0.010365
TGFB2	1.79826	1.147772	2.817405	0.010419
HSPB1	1.295949	1.062199	1.58114	0.010632
ING5	1.645734	1.118041	2.422487	0.011549
BOK	1.408705	1.079586	1.838159	0.011602
CTNNA1	0.608489	0.413218	0.89604	0.011873
ZNF385A	1.280991	1.053632	1.557412	0.012991
RBCK1	1.481519	1.082299	2.027995	0.014141
BCL10	0.733562	0.572107	0.940581	0.014568
TRIM8	1.59693	1.093359	2.332432	0.015446
MAPK15	1.184836	1.032547	1.359587	0.015681
CX3CL1	1.230148	1.039506	1.455753	0.015911
ATP6AP1	1.644025	1.096765	2.464355	0.016076
SIAH2	1.784907	1.111541	2.866195	0.016504
SEPTIN4	1.509673	1.077816	2.114565	0.016582

NFATC4	1.340455	1.053735	1.705191	0.017023
PCGF2	1.460947	1.070004	1.994727	0.017042
WASHC1	1.682703	1.09651	2.582275	0.017237
CD24	0.826255	0.705589	0.967556	0.017815
LEP	1.42525	1.062659	1.911562	0.017996
PLEKHF1	1.391432	1.05738	1.83102	0.01836
SUPT5H	1.692209	1.08637	2.635907	0.020001
BORCS6	1.523293	1.062724	2.183465	0.021955
IL13	0.393956	0.175831	0.882673	0.023625
FBH1	1.817785	1.080039	3.059465	0.02446
ATG13	1.733339	1.073332	2.799195	0.02449
SFRP2	1.095895	1.011393	1.187456	0.025308
LZTS1	1.39792	1.042088	1.875254	0.025415
ATP6V1G2	1.459282	1.046832	2.034235	0.025746
BDNF	2.985779	1.138323	7.83159	0.026196
MIR26B	1.20185	1.019778	1.416428	0.028262
ZDHHC3	0.621312	0.406076	0.950632	0.028287
VDAC3	0.702498	0.511756	0.964334	0.028914

TNFRSF25	1.257162	1.021553	1.547111	0.030668
STXBP2	1.507081	1.036638	2.191018	0.031679
EPO	1.877684	1.050234	3.357061	0.033562
IGF1	2.518837	1.070808	5.924999	0.034283
YBX3	1.614338	1.035293	2.517248	0.034602
TRIM32	1.723371	1.039019	2.858473	0.035011
HYAL1	0.854499	0.737705	0.989783	0.036001
CRYAB	1.192925	1.011202	1.407307	0.036432
DAXX	1.602002	1.029508	2.492852	0.03672
GPR137	1.546307	1.026111	2.330222	0.037237
ATP6V0A4	2.846027	1.061896	7.627743	0.037584
PIP4K2B	1.469848	1.022205	2.11352	0.037665
DEDD2	1.574782	1.024968	2.419528	0.038218
DEF8	1.637511	1.023	2.621155	0.039908
NGFR	1.218668	1.008453	1.472703	0.040648
SLC39A14	0.743413	0.559582	0.987634	0.040774
GATA2	1.254881	1.008882	1.560863	0.041411
LRSAM1	1.599423	1.018166	2.512511	0.041541

CRH	1.886819	1.022893	3.48041	0.042111
TBC1D25	1.581361	1.012093	2.470823	0.04414
TYK2	1.507897	1.009083	2.253289	0.045061
GATA1	0.288878	0.08566	0.974208	0.045275
DDIT3	1.262394	1.0044	1.586656	0.04576
PHKG2	1.46507	1.006102	2.133412	0.046405
TPD52L1	1.430326	1.005292	2.035063	0.046668
XBP1	0.745622	0.557885	0.996537	0.047322
FAS	0.722344	0.523655	0.996423	0.047502
ATG101	1.435472	1.002156	2.056147	0.048643
TSC1	1.482885	1.002063	2.19442	0.048807
PJVK	1.468745	1.001688	2.153576	0.048999
MADD	1.498472	1.001359	2.242369	0.049233
GPX4	1.402058	1.00073	1.964332	0.049506

HR.95L, Lower limit of the 95% confidence interval; HR.95H, Upper limit of the 95% confidence interval.