

Identification and Validation of a T Cell Marker Gene-Based Signature to Predict Prognosis and Immunotherapy Response in Gastric Cancer

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Supplementary Table 1. 322 T-cell marker genes

gene	p_val	log2FC	pct.1	pct.2	p_val_adj
TNFRSF18	0	1.049575	0.228	0.142	0
HSPG2	0	-1.13126	0.014	0.18	0
C1QA	0	-2.01963	0.033	0.148	0
C1QC	0	-2.36517	0.037	0.15	0
C1QB	0	-2.29661	0.036	0.152	0
ID3	0	-1.22736	0.154	0.415	0
RUNX3	0	1.323282	0.429	0.13	0
CD52	0	1.807242	0.739	0.263	0
LCK	0	1.699983	0.527	0.063	0
CYR61	0	-1.57253	0.012	0.216	0
PTPN22	0	1.312587	0.385	0.092	0
CD2	0	2.006463	0.578	0.069	0
S100A11	0	-1.32161	0.543	0.755	0
S100A9	0	-1.78901	0.025	0.148	0
S100A8	0	-2.13936	0.025	0.122	0
S100A6	0	-1.53702	0.791	0.813	0
S100A4	0	1.060653	0.748	0.487	0
S100A13	0	-1.0731	0.028	0.301	0
RAB13	0	-1.01998	0.017	0.342	0
RPS27	0	1.095893	0.995	0.974	0
SH2D2A	0	1.695173	0.481	0.072	0
FCER1G	0	-1.59637	0.08	0.232	0
CD247	0	1.624449	0.435	0.046	0
XCL2	0	1.709226	0.169	0.016	0
XCL1	0	1.751977	0.147	0.015	0
CACYBP	0	1.217515	0.615	0.505	0
GLUL	0	-1.13733	0.19	0.417	0
RGS1	0	1.10413	0.63	0.403	0
PTPRC	0	1.819697	0.804	0.343	0
ELF3	0	-1.54586	0.038	0.17	0
G0S2	0	-1.69076	0.028	0.187	0
LINC01871	0	1.000674	0.211	0.018	0
YPEL5	0	1.156335	0.679	0.542	0
SRSF7	0	1.191637	0.762	0.638	0
ZFP36L2	0	1.64507	0.878	0.738	0
EFEMP1	0	-1.06028	0.005	0.113	0
GNLY	0	2.984374	0.222	0.032	0
CD8A	0	2.156177	0.428	0.046	0
CD8B	0	1.354343	0.278	0.03	0
IGKC	0	-3.95187	0.246	0.395	0
DUSP2	0	1.654692	0.785	0.459	0
ZAP70	0	1.195594	0.343	0.038	0
PDCL3	0	1.135251	0.394	0.218	0
IL1B	0	-2.78945	0.036	0.19	0
IL1RN	0	-1.19915	0.01	0.115	0
CXCR4	0	2.164958	0.796	0.318	0
CYTIP	0	1.234258	0.626	0.367	0
WIPF1	0	1.104385	0.501	0.294	0
COL3A1	0	-2.72739	0.05	0.202	0
STAT4	0	1.08786	0.335	0.08	0
STK17B	0	1.435877	0.634	0.345	0
CTLA4	0	1.0141	0.193	0.024	0
ICOS	0	1.199326	0.247	0.029	0
FN1	0	-1.8707	0.017	0.198	0
IGFBP2	0	-1.1477	0.027	0.194	0
IGFBP5	0	-1.74102	0.012	0.119	0

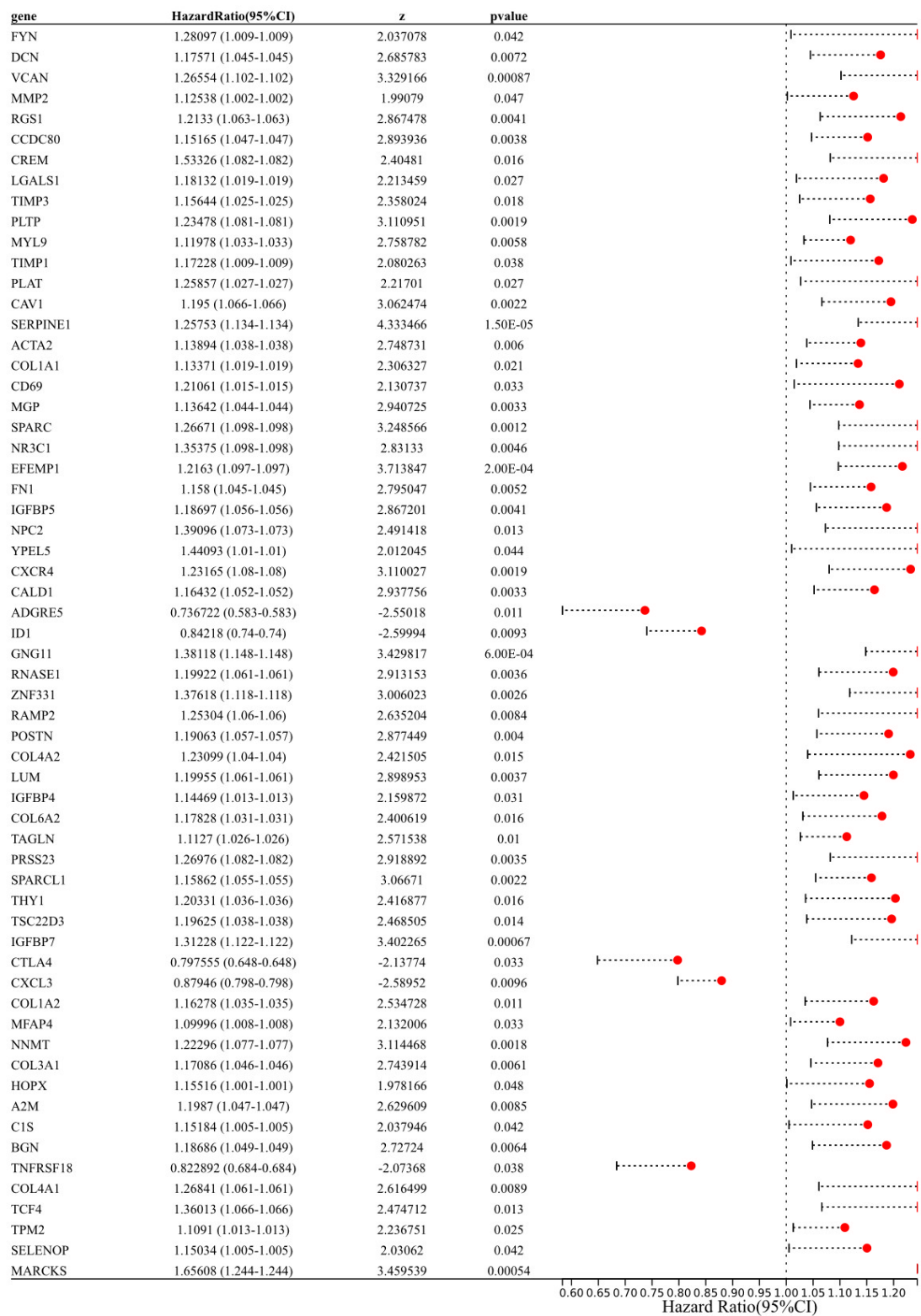
TUBA4A	0	1.688903	0.564	0.31	0
CXCR6	0	1.153407	0.235	0.023	0
CBLB	0	1.033874	0.336	0.136	0
CD96	0	1.317518	0.372	0.041	0
CCDC80	0	-1.36784	0.009	0.127	0
TIGIT	0	1.299954	0.273	0.032	0
TM4SF1	0	-1.62099	0.021	0.252	0
MBNL1	0	1.016487	0.563	0.427	0
PPP1R2	0	1.149805	0.534	0.414	0
S100P	0	-1.71504	0.075	0.179	0
RHOH	0	1.063563	0.5	0.268	0
HOPX	0	1.040142	0.255	0.073	0
IGFBP7	0	-3.40522	0.089	0.299	0
JCHAIN	0	-3.7193	0.17	0.406	0
CXCL8	0	-3.05429	0.054	0.264	0
CXCL1	0	-1.26731	0.019	0.13	0
CXCL3	0	-2.68258	0.038	0.246	0
CXCL2	0	-2.58924	0.04	0.277	0
G3BP2	0	1.280846	0.537	0.363	0
CNOT6L	0	1.279435	0.423	0.178	0
SPARCL1	0	-1.87959	0.018	0.193	0
SPP1	0	-3.33852	0.023	0.11	0
IL7R	0	2.20536	0.504	0.131	0
FYB1	0	1.418157	0.573	0.18	0
PTGER4	0	1.067065	0.348	0.143	0
SELENOP	0	-1.38958	0.023	0.247	0
EMB	0	1.040872	0.364	0.146	0
PARP8	0	1.102901	0.346	0.117	0
GZMK	0	1.802665	0.291	0.036	0
GZMA	0	2.827013	0.524	0.055	0
PDE4D	0	1.091293	0.358	0.142	0
PIK3R1	0	1.367462	0.418	0.209	0
VCAN	0	-1.24147	0.009	0.182	0
TGFBI	0	-1.02976	0.01	0.2	0
EGR1	0	-1.0087	0.278	0.58	0
MZB1	0	-1.86494	0.081	0.287	0
CYSTM1	0	-1.36104	0.153	0.439	0
CD14	0	-1.35274	0.008	0.156	0
NR3C1	0	1.068068	0.462	0.336	0
SPINK1	0	-1.6236	0.058	0.145	0
SPARC	0	-2.96517	0.06	0.277	0
ITK	0	1.042689	0.283	0.039	0
HLA-A	0	1.133087	0.975	0.897	0
IER3	0	-1.79563	0.153	0.53	0
HLA-B	0	1.069317	0.982	0.926	0
LTB	0	1.42981	0.357	0.107	0
AIF1	0	-1.48421	0.037	0.192	0
HLA-DRA	0	-2.42705	0.283	0.442	0
HLA-DQA1	0	-1.1357	0.196	0.33	0
HLA-DQB1	0	-1.05246	0.137	0.286	0
CD24	0	-1.03165	0.036	0.169	0
FYN	0	1.615582	0.523	0.131	0
MARCKS	0	-1.06967	0.021	0.384	0
CTGF	0	-1.59664	0.012	0.203	0
SGK1	0	-1.20555	0.099	0.393	0
TNFAIP3	0	1.624405	0.809	0.513	0
SYTL3	0	1.544981	0.468	0.116	0
TAGAP	0	1.200982	0.474	0.263	0

SOD2	0	-1.56835	0.304	0.535	0
AGR2	0	-2.04454	0.124	0.233	0
STK17A	0	1.344867	0.578	0.296	0
IGFBP3	0	-1.51899	0.051	0.147	0
CLDN4	0	-1.35073	0.032	0.126	0
GNG11	0	-1.0982	0.009	0.177	0
COL1A2	0	-2.68571	0.046	0.199	0
SERPINE1	0	-1.1974	0.017	0.159	0
CAV1	0	-1.26274	0.012	0.23	0
AC016831.7	0	1.269376	0.5	0.254	0
CALD1	0	-2.01757	0.026	0.237	0
TRBC1	0	1.613151	0.361	0.045	0
TRBC2	0	1.812718	0.526	0.09	0
RARRES2	0	-1.95126	0.009	0.169	0
TMEM176B	0	-1.65078	0.012	0.295	0
TMEM176A	0	-1.57828	0.012	0.283	0
PRDX4	0	-1.14235	0.084	0.516	0
TIMP1	0	-3.75607	0.176	0.652	0
ITM2A	0	1.106389	0.391	0.181	0
TSC22D3	0	1.159186	0.795	0.657	0
BGN	0	-1.71707	0.021	0.168	0
SSR4	0	-1.37672	0.617	0.816	0
CTSB	0	-2.10961	0.167	0.526	0
DOK2	0	1.246003	0.393	0.122	0
CLU	0	-1.22856	0.037	0.198	0
DUSP4	0	1.758261	0.446	0.211	0
SARAF	0	1.647161	0.908	0.75	0
LEPROTL1	0	1.562024	0.616	0.319	0
PLAT	0	-1.19721	0.01	0.14	0
SLA	0	1.115666	0.336	0.112	0
DNAJA1	0	1.186825	0.844	0.774	0
TPM2	0	-1.4037	0.022	0.217	0
ANXA1	0	1.174684	0.564	0.465	0
CTSL	0	-1.73878	0.037	0.308	0
KLF4	0	-1.30473	0.036	0.341	0
GSN	0	-1.7637	0.039	0.4	0
IFITM1	0	1.060733	0.79	0.485	0
IFITM3	0	-2.68261	0.205	0.555	0
CD151	0	-1.12511	0.101	0.43	0
PHLDA2	0	-1.0496	0.083	0.32	0
MDK	0	-1.42005	0.038	0.284	0
SERPING1	0	-1.42582	0.01	0.243	0
CD6	0	1.254176	0.346	0.041	0
RARRES3	0	1.302777	0.571	0.337	0
NEAT1	0	-1.09638	0.601	0.808	0
CTSW	0	1.163836	0.251	0.046	0
PTPRCAP	0	1.928874	0.758	0.291	0
GSTP1	0	-1.10666	0.475	0.794	0
PRSS23	0	-1.17074	0.022	0.196	0
NNMT	0	-1.20898	0.01	0.206	0
TAGLN	0	-1.9259	0.03	0.171	0
CD3E	0	2.636054	0.813	0.1	0
CD3D	0	2.382393	0.689	0.082	0
CD3G	0	1.508843	0.428	0.045	0
THY1	0	-1.11054	0.01	0.153	0
HSPA8	0	1.241454	0.964	0.9	0
ETS1	0	1.07553	0.399	0.17	0
CREM	0	1.857344	0.757	0.408	0

PRF1	0	1.69527	0.351	0.036	0
PSAP	0	-1.73664	0.322	0.73	0
SPOCK2	0	1.726639	0.501	0.09	0
ADIRF	0	-1.05194	0.016	0.189	0
PDLIM1	0	-1.26964	0.044	0.364	0
PDCD4	0	1.214728	0.536	0.359	0
CD9	0	-1.32638	0.078	0.385	0
LAG3	0	1.34948	0.288	0.061	0
C1S	0	-1.38112	0.007	0.168	0
A2M	0	-1.67903	0.014	0.238	0
KLRB1	0	2.050533	0.373	0.043	0
CLEC2D	0	1.03041	0.308	0.068	0
CD69	0	1.461721	0.683	0.272	0
CLEC2B	0	1.34758	0.527	0.316	0
KLRD1	0	1.439882	0.261	0.025	0
MGP	0	-2.39526	0.039	0.194	0
ARHGDIB	0	1.500328	0.847	0.528	0
KRT8	0	-2.05796	0.118	0.33	0
KRT18	0	-1.96361	0.1	0.335	0
CD63	0	-1.38865	0.329	0.733	0
ARHGAP9	0	1.176256	0.382	0.11	0
IFNG	0	1.876021	0.214	0.022	0
LYZ	0	-2.7881	0.111	0.35	0
TSPAN8	0	-1.03652	0.034	0.146	0
LUM	0	-2.25604	0.014	0.134	0
DCN	0	-2.21802	0.017	0.165	0
BTG1	0	1.705278	0.964	0.799	0
HSP90B1	0	-1.13234	0.473	0.784	0
POSTN	0	-2.02121	0.007	0.112	0
ELF1	0	1.225516	0.627	0.449	0
RGCC	0	1.482993	0.64	0.398	0
LCP1	0	1.149302	0.575	0.25	0
COL4A1	0	-1.3358	0.018	0.156	0
COL4A2	0	-1.31511	0.012	0.181	0
RNASE1	0	-1.74172	0.032	0.213	0
GZMH	0	1.726238	0.31	0.032	0
GZMB	0	2.378687	0.406	0.046	0
FAM177A1	0	1.019656	0.484	0.41	0
RPS29	0	1.050539	0.94	0.884	0
GNG2	0	1.480823	0.534	0.202	0
LGALS3	0	-1.0049	0.363	0.608	0
PRKCH	0	1.012282	0.323	0.082	0
NPC2	0	-1.83734	0.151	0.647	0
BATF	0	1.409395	0.303	0.11	0
GPR65	0	1.115459	0.368	0.131	0
LGMN	0	-1.0505	0.029	0.319	0
IFI27	0	-2.21616	0.099	0.388	0
SERPINA1	0	-1.53293	0.027	0.208	0
EVL	0	1.691506	0.592	0.186	0
PPP2R5C	0	1.062745	0.408	0.244	0
CRIP2	0	-1.22391	0.028	0.232	0
IGHA2	0	-3.61901	0.099	0.263	0
IGHA1	0	-3.86454	0.27	0.442	0
C15orf48	0	-1.73316	0.034	0.223	0
ANXA2	0	-1.2124	0.295	0.593	0
RORA	0	1.211627	0.363	0.136	0
TPM1	0	-1.39002	0.055	0.318	0
BCL2A1	0	-1.41953	0.115	0.227	0

IL32	0	2.291676	0.88	0.367	0
SOCS1	0	1.075391	0.458	0.272	0
NUPR1	0	-1.02081	0.012	0.204	0
LAT	0	1.089483	0.359	0.088	0
CORO1A	0	1.772127	0.769	0.339	0
1-Sep	0	1.360113	0.498	0.178	0
MMP2	0	-1.12231	0.004	0.152	0
MT1G	0	-1.19754	0.031	0.124	0
SLC7A5	0	1.021622	0.427	0.277	0
ACAP1	0	1.168906	0.42	0.149	0
CD68	0	-1.55611	0.028	0.273	0
MFAP4	0	-1.3048	0.003	0.111	0
CCL2	0	-1.71557	0.007	0.163	0
CCL5	0	3.279779	0.717	0.152	0
CCL4	0	1.015692	0.483	0.244	0
IGFBP4	0	-1.82236	0.049	0.27	0
KRT19	0	-1.87134	0.088	0.267	0
RAMP2	0	-1.02381	0.008	0.128	0
GRN	0	-1.39534	0.069	0.491	0
SKAP1	0	1.077976	0.341	0.09	0
COL1A1	0	-3.07987	0.055	0.21	0
LIMD2	0	1.137016	0.523	0.287	0
LGALS3BP	0	-1.09404	0.047	0.311	0
CD7	0	2.805947	0.744	0.132	0
LDLRAD4	0	1.206753	0.354	0.149	0
RNF125	0	1.005767	0.283	0.067	0
TCF4	0	-1.03465	0.019	0.328	0
CST3	0	-3.29574	0.126	0.632	0
CST7	0	2.285314	0.617	0.107	0
ID1	0	-1.20885	0.082	0.33	0
MYL9	0	-1.68305	0.025	0.24	0
SLA2	0	1.21625	0.289	0.032	0
MAFB	0	-1.142	0.013	0.217	0
STK4	0	1.044995	0.505	0.327	0
SLPI	0	-1.20566	0.012	0.116	0
PLTP	0	-1.37953	0.011	0.23	0
GZMM	0	1.34917	0.361	0.04	0
CFD	0	-1.72011	0.019	0.202	0
C3	0	-1.00025	0.009	0.116	0
ADGRE5	0	1.188873	0.488	0.298	0
HCST	0	1.647268	0.657	0.231	0
TYROBP	0	-1.45434	0.146	0.273	0
SPINT2	0	-1.05374	0.06	0.322	0
LGALS4	0	-1.07736	0.038	0.146	0
CD79A	0	-1.29514	0.043	0.295	0
ARHGEF1	0	1.100244	0.466	0.257	0
PLAUR	0	-1.94953	0.062	0.361	0
APOE	0	-2.90662	0.063	0.257	0
APOC1	0	-1.93193	0.04	0.21	0
FIL	0	-2.09316	0.939	0.973	0
FCGRT	0	-1.26982	0.05	0.454	0
NKG7	0	2.877995	0.59	0.091	0
ZNF331	0	1.022427	0.546	0.317	0
IGLV6-57	0	-2.94928	0.038	0.118	0
IGLV3-1	0	-3.00599	0.036	0.119	0
IGLL5	0	-1.78695	0.021	0.191	0
IGLC2	0	-3.81195	0.104	0.215	0
IGLC3	0	-3.27185	0.054	0.146	0

DERL3	0	-1.37541	0.026	0.267	0
TIMP3	0	-1.01219	0.006	0.168	0
IL2RB	0	1.262904	0.329	0.039	0
RAC2	0	1.496962	0.74	0.429	0
LGALS1	0	-1.62417	0.399	0.709	0
APOBEC3G	0	1.032054	0.305	0.126	0
SAMSN1	0	1.170239	0.569	0.28	0
APP	0	-1.06885	0.04	0.337	0
SOD1	0	1.069931	0.745	0.651	0
COL6A1	0	-1.21119	0.009	0.19	0
COL6A2	0	-1.45979	0.019	0.203	0
IGHM	3.97E-270	-2.8082	0.06	0.13	9.80E-266
TFF2	7.65E-265	-2.36693	0.078	0.153	1.89E-260
TFF1	1.93E-263	-2.79818	0.169	0.27	4.75E-259
ACTA2	1.72E-262	-1.53334	0.078	0.151	4.23E-258
PHGR1	4.13E-230	-1.08475	0.067	0.134	1.02E-225
IGKV3-11	1.25E-186	-3.16552	0.061	0.119	3.08E-182
HLA-DRB1	1.08E-164	-1.28311	0.415	0.469	2.67E-160
MUC5AC	3.79E-160	-1.9928	0.16	0.238	9.35E-156
HLA-DPA1	1.06E-155	-1.2338	0.386	0.462	2.61E-151
TNFRSF4	2.81E-139	1.036704	0.168	0.124	6.92E-135
IGKV1-5	7.71E-136	-3.08282	0.103	0.163	1.90E-131
CD74	1.17E-130	-1.42218	0.804	0.817	2.88E-126
IGKV3-15	1.06E-128	-3.40868	0.055	0.1	2.61E-124
IGKV4-1	1.00E-119	-3.39823	0.114	0.174	2.47E-115
CCL3	5.81E-119	-1.55721	0.144	0.197	1.43E-114
IGLV2-14	2.78E-110	-3.17218	0.08	0.129	6.86E-106
IGHG1	1.95E-100	-3.1225	0.139	0.194	4.80E-96
PGC	3.92E-86	-3.15031	0.136	0.187	9.65E-82
GKN1	6.90E-72	-1.88194	0.077	0.113	1.70E-67
IGLV1-40	8.42E-66	-2.86957	0.072	0.108	2.08E-61
IGKV3-20	2.40E-59	-3.70269	0.178	0.228	5.92E-55
HLA-DPB1	3.15E-50	-1.079	0.383	0.408	7.78E-4
CCL3L1	9.99E-50	-1.16219	0.08	0.108	2.46E-4



Supplementary Figure 1. 61 genes associated with overall survival.