

Table SI. List of differentially expressed genes significantly associated with overall survival rate in patients with renal cell carcinoma.

A, Stromal scores			
Gene	Sensitivity	Specificity	P-value
PRR15	0.543	0.603	1.03x10 <sup>-14</sup>
TAGLN	0.632	0.521	1.56x10 <sup>-13</sup>
FNDC1	0.629	0.439	2.15x10 <sup>-13</sup>
LMTK3	0.54	0.643	3.42x10 <sup>-13</sup>
CCL19	0.631	0.465	4.77x10 <sup>-13</sup>
OGDHL	0.576	0.505	7.39x10 <sup>-13</sup>
DACT3	0.65	0.454	1.63x10 <sup>-12</sup>
PTHLH	0.582	0.587	2.15x10 <sup>-12</sup>
CLDN4	0.604	0.521	2.24x10 <sup>-12</sup>
CASP5	0.602	0.584	3.58x10 <sup>-12</sup>
IGFN1	0.643	0.503	4.01x10 <sup>-12</sup>
PRRX1	0.593	0.55	4.21x10 <sup>-12</sup>
IL21R	0.772	0.758	7.05x10 <sup>-12</sup>
UNC5D	0.596	0.721	8.46x10 <sup>-12</sup>
IGLL5	0.543	0.658	9.19x10 <sup>-12</sup>
CWH43	0.543	0.643	2.00x10 <sup>-11</sup>
PTPRN	0.479	0.653	4.72x10 <sup>-11</sup>
TGFBI	0.554	0.639	6.18x10 <sup>-11</sup>
IL1R2	0.643	0.548	8.54x10 <sup>-11</sup>
POSTN	0.632	0.553	1.05x10 <sup>-10</sup>
AKR1C1	0.453	0.687	1.21x10 <sup>-10</sup>
THRSP	0.498	0.659	1.31x10 <sup>-10</sup>
TEX15	0.544	0.648	1.43x10 <sup>-10</sup>
CPNE7	0.632	0.539	1.88x10 <sup>-10</sup>
HBG2	0.533	0.559	2.08x10 <sup>-10</sup>
UNC5C	0.596	0.675	2.33x10 <sup>-10</sup>
STK33	0.593	0.598	3.83x10 <sup>-10</sup>
MYH11	0.543	0.605	4.72x10 <sup>-10</sup>
SMIM5	0.525	0.646	6.13x10 <sup>-10</sup>
SLPI	0.543	0.636	7.41x10 <sup>-10</sup>
FA2H	0.556	0.547	1.06x10 <sup>-9</sup>
PSCA	0.543	0.649	1.31x10 <sup>-9</sup>
LZTS1	0.553	0.639	1.36x10 <sup>-9</sup>
ATP4B	0.587	0.653	1.47x10 <sup>-9</sup>
CD209	0.654	0.564	1.52x10 <sup>-9</sup>
OR2A4	0.665	0.643	1.84x10 <sup>-9</sup>
LY6D	0.643	0.572	2.28x10 <sup>-9</sup>
HAGHL	0.654	0.542	2.43x10 <sup>-9</sup>
TRPC4	0.543	0.605	2.89x10 <sup>-9</sup>
TSHR	0.546	0.587	3.18x10 <sup>-9</sup>
VSNL1	0.654	0.52	3.36x10 <sup>-9</sup>
PGF	0.597	0.557	5.49x10 <sup>-9</sup>
IYD	0.548	0.583	5.75x10 <sup>-9</sup>
MAL	0.546	0.653	6.04x10 <sup>-9</sup>
FAP	0.591	0.549	6.07x10 <sup>-9</sup>
SLN	0.683	0.694	7.23x10 <sup>-9</sup>
CKB	0.549	0.654	9.10x10 <sup>-9</sup>
NGF	0.604	0.582	9.23x10 <sup>-9</sup>
IL6	0.575	0.621	9.77x10 <sup>-9</sup>
F2R	0.537	0.604	1.02x10 <sup>-8</sup>
EPO	0.492	0.643	1.11x10 <sup>-8</sup>
TAT	0.505	0.549	1.12x10 <sup>-8</sup>
GRP	0.409	0.687	1.17x10 <sup>-8</sup>

Table SI. Continued.

A, Stromal scores			
Gene	Sensitivity	Specificity	P-value
PIP	0.632	0.498	1.51x10 <sup>-8</sup>
LOX	0.568	0.548	1.62x10 <sup>-8</sup>
OGN	0.492	0.689	1.73x10 <sup>-8</sup>
DES	0.549	0.644	1.87x10 <sup>-8</sup>
SFN	0.586	0.632	2.02x10 <sup>-8</sup>
F7	0.514	0.576	2.10x10 <sup>-8</sup>
PLN	0.643	0.543	2.12x10 <sup>-8</sup>
NTS	0.578	0.604	2.48x10 <sup>-8</sup>
LHB	0.645	0.543	3.16x10 <sup>-8</sup>
STC2	0.641	0.532	3.18x10 <sup>-8</sup>
XDH	0.588	0.563	3.20x10 <sup>-8</sup>
DPT	0.478	0.666	3.50x10 <sup>-8</sup>
NES	0.511	0.544	3.97x10 <sup>-8</sup>
MAG	0.538	0.539	4.55x10 <sup>-8</sup>
MYOC	0.535	0.598	4.64x10 <sup>-8</sup>
DRD1	0.496	0.626	5.08x10 <sup>-8</sup>
APLN	0.568	0.632	5.24x10 <sup>-8</sup>
GLRB	0.643	0.512	5.53x10 <sup>-8</sup>
GRM5	0.663	0.504	5.59x10 <sup>-8</sup>
DRC1	0.721	0.424	5.81x10 <sup>-8</sup>
DLL4	0.659	0.502	5.89x10 <sup>-8</sup>
DOK7	0.643	0.492	6.69x10 <sup>-8</sup>
BDH1	0.593	0.587	6.87x10 <sup>-8</sup>
HEYL	0.521	0.602	7.72x10 <sup>-8</sup>
TJP3	0.554	0.605	7.93x10 <sup>-8</sup>
LZTS3	0.654	0.498	8.25x10 <sup>-8</sup>
CDH11	0.592	0.557	8.81x10 <sup>-8</sup>
PRR16	0.55	0.563	8.82x10 <sup>-8</sup>
PRELP	0.532	0.592	9.02x10 <sup>-8</sup>
CHST1	0.53	0.588	9.39x10 <sup>-8</sup>
EPHA1	0.643	0.548	9.77x10 <sup>-8</sup>
CNTN3	0.508	0.659	1.08x10 <sup>-7</sup>
CXCL9	0.518	0.621	1.09x10 <sup>-7</sup>
ACTG2	0.549	0.654	1.10x10 <sup>-7</sup>
MAPK4	0.603	0.543	1.25x10 <sup>-7</sup>
ITGA5	0.702	0.426	1.34x10 <sup>-7</sup>
CHSY3	0.542	0.562	1.39x10 <sup>-7</sup>
FDCSP	0.498	0.647	1.53x10 <sup>-7</sup>
CD248	0.559	0.603	1.59x10 <sup>-7</sup>
Sep-04	0.539	0.653	1.66x10 <sup>-7</sup>
PREX2	0.635	0.598	1.70x10 <sup>-7</sup>
NR2E1	0.594	0.632	1.74x10 <sup>-7</sup>
TMC4	0.654	0.529	1.82x10 <sup>-7</sup>
NPTX2	0.598	0.603	2.00x10 <sup>-7</sup>
SNAI1	0.639	0.429	2.13x10 <sup>-7</sup>
FMO3	0.632	0.576	2.19x10 <sup>-7</sup>
MAFA	0.598	0.586	2.36x10 <sup>-7</sup>
ELN	0.639	0.532	2.37x10 <sup>-7</sup>
PPM1E	0.648	0.654	2.57x10 <sup>-7</sup>
NEGR1	0.638	0.646	2.72x10 <sup>-7</sup>
OMD	0.594	0.593	3.04x10 <sup>-7</sup>
RGS5	0.62	0.573	3.64x10 <sup>-7</sup>
PMEL	0.593	0.597	3.80x10 <sup>-7</sup>
DAW1	0.643	0.594	4.44x10 <sup>-7</sup>
JCAD	0.536	0.64	4.87x10 <sup>-7</sup>

Table SI. Continued.

A, Stromal scores			
Gene	Sensitivity	Specificity	P-value
NAT8L	0.558	0.653	4.91x10 <sup>-7</sup>
DAAM2	0.665	0.476	6.38x10 <sup>-7</sup>
AQP5	0.663	0.533	6.42x10 <sup>-7</sup>
SOX8	0.649	0.448	6.53x10 <sup>-7</sup>
DHRS2	0.654	0.53	6.79x10 <sup>-7</sup>
NDNF	0.604	0.537	7.26x10 <sup>-7</sup>
KRT20	0.692	0.527	7.28x10 <sup>-7</sup>
ENPP3	0.632	0.536	7.29x10 <sup>-7</sup>
CCL14	0.628	0.531	7.36x10 <sup>-7</sup>
HTR6	0.549	0.639	8.32x10 <sup>-7</sup>
GBP4	0.759	0.773	8.36x10 <sup>-7</sup>
CBLC	0.653	0.519	8.81x10 <sup>-7</sup>
AOC3	0.632	0.554	9.00x10 <sup>-7</sup>
GGT6	0.654	0.509	9.62x10 <sup>-7</sup>
EBF1	0.698	0.513	9.84x10 <sup>-7</sup>
ANO1	0.684	0.496	1.02x10 <sup>-6</sup>
DLX1	0.703	0.428	1.04x10 <sup>-6</sup>
COMP	0.657	0.51	1.21x10 <sup>-6</sup>
STC1	0.626	0.535	1.32x10 <sup>-6</sup>
DDR2	0.615	0.465	1.35x10 <sup>-6</sup>
LY6H	0.623	0.465	1.44x10 <sup>-6</sup>
LDB3	0.638	0.543	1.49x10 <sup>-6</sup>
FRZB	0.549	0.543	1.67x10 <sup>-6</sup>
CHL1	0.654	0.461	1.78x10 <sup>-6</sup>
CD3G	0.569	0.632	1.82x10 <sup>-6</sup>
IDO1	0.604	0.673	1.84x10 <sup>-6</sup>
CNN1	0.643	0.565	1.84x10 <sup>-6</sup>
TBX5	0.593	0.657	1.90x10 <sup>-6</sup>
NTF3	0.62	0.654	1.92x10 <sup>-6</sup>
RFX8	0.496	0.689	1.97x10 <sup>-6</sup>
LHX6	0.641	0.576	1.98x10 <sup>-6</sup>
PIGR	0.493	0.754	2.01x10 <sup>-6</sup>
IFNG	0.503	0.676	2.01x10 <sup>-6</sup>
PCP4	0.629	0.653	2.02x10 <sup>-6</sup>
MYL3	0.586	0.675	2.06x10 <sup>-6</sup>
GCKR	0.554	0.766	2.07x10 <sup>-6</sup>
HEPH	0.535	0.565	2.17x10 <sup>-6</sup>
FAXC	0.645	0.576	2.27x10 <sup>-6</sup>
PLK5	0.654	0.645	2.38x10 <sup>-6</sup>
TCF4	0.558	0.574	2.49x10 <sup>-6</sup>
GJB3	0.543	0.645	2.65x10 <sup>-6</sup>
LCN1	0.531	0.654	2.99x10 <sup>-6</sup>
GJC1	0.653	0.547	3.01x10 <sup>-6</sup>
EPYC	0.632	0.547	3.03x10 <sup>-6</sup>
GBP5	0.582	0.553	3.23x10 <sup>-6</sup>
EDAR	0.539	0.674	3.36x10 <sup>-6</sup>
ANOS5	0.536	0.636	3.67x10 <sup>-6</sup>
DLX5	0.586	0.674	3.79x10 <sup>-6</sup>
GLI2	0.503	0.636	3.80x10 <sup>-6</sup>
ST14	0.547	0.663	3.81x10 <sup>-6</sup>
LDHD	0.613	0.563	3.97x10 <sup>-6</sup>
FUT3	0.526	0.645	4.04x10 <sup>-6</sup>
SFRP2	0.654	0.535	4.15x10 <sup>-6</sup>
OXCT1	0.53	0.647	4.33x10 <sup>-6</sup>
PRKCG	0.542	0.636	4.34x10 <sup>-6</sup>

Table SI. Continued.

A, Stromal scores			
Gene	Sensitivity	Specificity	P-value
CORO6	0.514	0.635	4.35x10 <sup>-6</sup>
ACKR3	0.632	0.563	4.35x10 <sup>-6</sup>
ACTA2	0.558	0.602	4.54x10 <sup>-6</sup>
HTR1F	0.549	0.644	4.86x10 <sup>-6</sup>
SMOC2	0.604	0.563	4.90x10 <sup>-6</sup>
ESRP1	0.656	0.566	5.03x10 <sup>-6</sup>
TRAT1	0.679	0.564	5.08x10 <sup>-6</sup>
PRRG2	0.654	0.549	5.08x10 <sup>-6</sup>
PACRG	0.587	0.604	5.12x10 <sup>-6</sup>
PDE3A	0.589	0.569	5.49x10 <sup>-6</sup>
INHBA	0.563	0.633	5.87x10 <sup>-6</sup>
EDNRA	0.623	0.563	5.91x10 <sup>-6</sup>
S1PR3	0.643	0.594	5.92x10 <sup>-6</sup>
SLIT3	0.563	0.64	6.06x10 <sup>-6</sup>
FBXO2	0.534	0.645	6.64x10 <sup>-6</sup>
NFASC	0.604	0.563	6.65x10 <sup>-6</sup>
ECSCR	0.665	0.575	7.08x10 <sup>-6</sup>
ADAM7	0.639	0.565	7.42x10 <sup>-6</sup>
GABRD	0.617	0.573	7.73x10 <sup>-6</sup>
NR0B2	0.625	0.565	8.00x10 <sup>-6</sup>
CFAP61	0.581	0.556	8.49x10 <sup>-6</sup>
MMRN1	0.623	0.547	8.57x10 <sup>-6</sup>
PRDM1	0.548	0.632	8.89x10 <sup>-6</sup>
KCNJ11	0.589	0.537	8.92x10 <sup>-6</sup>
MYOCD	0.559	0.648	9.18x10 <sup>-6</sup>
CHRM1	0.563	0.574	9.24x10 <sup>-6</sup>
CD36	0.592	0.647	1.06x10 <sup>-5</sup>
GPR20	0.634	0.543	1.11x10 <sup>-5</sup>
HCN2	0.618	0.537	1.12x10 <sup>-5</sup>
SCN2A	0.625	0.564	1.23x10 <sup>-5</sup>
KRT7	0.613	0.535	1.26x10 <sup>-5</sup>
IBSP	0.622	0.576	1.26x10 <sup>-5</sup>
SCIN	0.539	0.638	1.28x10 <sup>-5</sup>
LHX8	0.648	0.576	1.29x10 <sup>-5</sup>
GBP1	0.808	0.775	1.36x10 <sup>-5</sup>
MFAP5	0.637	0.585	1.39x10 <sup>-5</sup>
SYT10	0.527	0.574	1.40x10 <sup>-5</sup>
UPK1B	0.603	0.585	1.49x10 <sup>-5</sup>
GPR143	0.568	0.656	1.60x10 <sup>-5</sup>
TRIM50	0.62	0.534	1.62x10 <sup>-5</sup>
CAMK2B	0.536	0.663	1.62x10 <sup>-5</sup>
CCDC13	0.573	0.634	1.76x10 <sup>-5</sup>
WNT7B	0.631	0.586	1.83x10 <sup>-5</sup>
TUNAR	0.594	0.653	1.93x10 <sup>-5</sup>
NMRK2	0.53	0.588	1.94x10 <sup>-5</sup>
DLGAP1	0.679	0.564	1.96x10 <sup>-5</sup>
RHOJ	0.581	0.586	1.99x10 <sup>-5</sup>
CALHM5	0.574	0.643	2.00x10 <sup>-5</sup>
SORCS3	0.632	0.547	2.25x10 <sup>-5</sup>
SYNGR3	0.569	0.639	2.28x10 <sup>-5</sup>
COL4A1	0.642	0.546	2.35x10 <sup>-5</sup>
SYNP02	0.574	0.625	2.46x10 <sup>-5</sup>
AHSP	0.603	0.645	2.48x10 <sup>-5</sup>
VSTM2A	0.563	0.576	2.61x10 <sup>-5</sup>
STEAP4	0.546	0.645	2.72x10 <sup>-5</sup>

Table SI. Continued.

A, Stromal scores			
Gene	Sensitivity	Specificity	P-value
WFDC12	0.563	0.62	2.72x10 <sup>-5</sup>
TUBB4A	0.632	0.574	2.83x10 <sup>-5</sup>
PCSK1N	0.564	0.644	2.91x10 <sup>-5</sup>
GRIN2A	0.624	0.553	3.09x10 <sup>-5</sup>
CYP1A2	0.496	0.685	3.22x10 <sup>-5</sup>
GIMAP4	0.534	0.654	3.84x10 <sup>-5</sup>
MFSD6L	0.625	0.594	3.86x10 <sup>-5</sup>
STK32A	0.564	0.64	3.88x10 <sup>-5</sup>
RGS7BP	0.479	0.675	3.97x10 <sup>-5</sup>
LEMD1	0.645	0.563	4.06x10 <sup>-5</sup>
HGFAC	0.652	0.504	4.14x10 <sup>-5</sup>
SVOPL	0.563	0.579	4.24x10 <sup>-5</sup>
ALKAL1	0.64	0.509	4.38x10 <sup>-5</sup>
KCNAB1	0.541	0.636	4.51x10 <sup>-5</sup>
OPCML	0.549	0.645	4.74x10 <sup>-5</sup>
ADAM18	0.552	0.536	4.87x10 <sup>-5</sup>
GPR174	0.477	0.698	5.23x10 <sup>-5</sup>
FAM162B	0.534	0.646	5.42x10 <sup>-5</sup>
AKR1B10	0.509	0.603	5.66x10 <sup>-5</sup>
SLC52A1	0.528	0.586	5.81x10 <sup>-5</sup>
CCDC151	0.603	0.558	5.96x10 <sup>-5</sup>
EOMES	0.543	0.606	6.08x10 <sup>-5</sup>
ITGA4	0.583	0.632	6.20x10 <sup>-5</sup>
CDCA2	0.632	0.508	6.22x10 <sup>-5</sup>
CADM4	0.589	0.549	6.41x10 <sup>-5</sup>
CSPG4	0.653	0.555	6.42x10 <sup>-5</sup>
CCDC3	0.589	0.593	7.06x10 <sup>-5</sup>
FOXC2	0.546	0.643	7.48x10 <sup>-5</sup>
HPSE2	0.565	0.534	7.67x10 <sup>-5</sup>
NRARP	0.604	0.521	8.05x10 <sup>-5</sup>
KCNE4	0.535	0.605	8.14x10 <sup>-5</sup>
SYNE4	0.556	534	8.22x10 <sup>-5</sup>
KCNH3	0.622	0.503	8.45x10 <sup>-5</sup>
MCCD1	0.595	0.602	8.54x10 <sup>-5</sup>
FABP7	0.642	0.509	9.29x10 <sup>-5</sup>
INHBB	0.574	0.598	9.70x10 <sup>-5</sup>
DTHD1	0.563	0.603	1.02x10 <sup>-4</sup>
LMOD1	0.504	0.598	1.06x10 <sup>-4</sup>
TRPM8	0.532	0.643	1.07x10 <sup>-4</sup>
UNC5B	0.549	0.605	1.07x10 <sup>-4</sup>
RXFP1	0.503	0.589	1.08x10 <sup>-4</sup>
DCLK3	0.542	0.594	1.13x10 <sup>-4</sup>
CLDN3	0.509	0.632	1.13x10 <sup>-4</sup>
RFLNB	0.643	0.502	1.16x10 <sup>-4</sup>
MEF2C	0.605	0.564	1.22x10 <sup>-4</sup>
RXFP4	0.594	0.559	1.21x10 <sup>-4</sup>
DAPL1	0.608	0.503	1.29x10 <sup>-4</sup>
FRMD5	0.526	0.598	1.31x10 <sup>-4</sup>
GFRA2	0.543	0.594	1.38x10 <sup>-4</sup>
CLDN6	0.645	0.658	1.48x10 <sup>-4</sup>
PCSK6	0.576	0.549	1.49x10 <sup>-4</sup>
ADCY4	0.479	0.563	1.53x10 <sup>-4</sup>
NUPR2	0.765	0.646	1.58x10 <sup>-4</sup>
LRRN1	0.653	0.605	1.61x10 <sup>-4</sup>
TNNC2	0.762	0.778	1.61x10 <sup>-4</sup>

Table SI. Continued.

A, Stromal scores			
Gene	Sensitivity	Specificity	P-value
LCN2	0.604	0.568	1.65x10 <sup>-4</sup>
TFPI2	0.654	0.674	1.66x10 <sup>-4</sup>
DACT2	0.656	0.575	1.73x10 <sup>-4</sup>
PRSS2	0.587	0.668	1.73x10 <sup>-4</sup>
F13A1	0.614	0.689	1.73x10 <sup>-4</sup>
RIMS2	0.537	0.645	1.77x10 <sup>-4</sup>
FOXE1	0.633	0.574	1.77x10 <sup>-4</sup>
MEOX1	0.588	0.694	1.79x10 <sup>-4</sup>
WFDC2	0.648	0.548	1.83x10 <sup>-4</sup>
CYP3A4	0.576	0.539	1.89x10 <sup>-4</sup>
LINGO1	0.664	0.568	1.89x10 <sup>-4</sup>
GSG1L2	0.682	0.648	1.90x10 <sup>-4</sup>
ADGRF1	0.608	0.576	1.90x10 <sup>-4</sup>
DCAF12L2	0.596	0.592	1.94x10 <sup>-4</sup>
C1orf116	0.637	0.617	2.17x10 <sup>-4</sup>
C7orf57	0.586	0.575	2.19x10 <sup>-4</sup>
SLC47A2	0.645	0.648	2.21x10 <sup>-4</sup>
GADD45G	0.599	0.586	2.29x10 <sup>-4</sup>
LYPD6B	0.632	0.685	2.33x10 <sup>-4</sup>
SLC13A2	0.554	0.574	2.33x10 <sup>-4</sup>
C3orf70	0.648	0.657	2.38x10 <sup>-4</sup>
TACSTD2	0.582	0.543	2.51x10 <sup>-4</sup>
TRPC6	0.654	0.638	2.67x10 <sup>-4</sup>
SLC6A20	0.584	0.645	2.69x10 <sup>-4</sup>
SPTBN2	0.637	0.517	2.73x10 <sup>-4</sup>
C6orf222	0.577	0.624	2.73x10 <sup>-4</sup>
GAL3ST3	0.63	0.587	2.75x10 <sup>-4</sup>
LRRC43	0.547	0.588	2.75x10 <sup>-4</sup>
TAF7L	0.655	0.664	2.77x10 <sup>-4</sup>
SLC6A15	0.587	0.648	3.05x10 <sup>-4</sup>
RUNX1T1	0.668	0.574	3.05x10 <sup>-4</sup>
RAP1GAP	0.584	0.657	3.16x10 <sup>-4</sup>
OLFML2A	0.684	0.583	3.21x10 <sup>-4</sup>
SLC29A2	0.547	0.645	3.37x10 <sup>-4</sup>
LRRC10B	0.643	0.575	3.48x10 <sup>-4</sup>
SOSTDC1	0.564	0.658	3.56x10 <sup>-4</sup>
ST8SIA4	0.609	0.654	3.63x10 <sup>-4</sup>
FAM163A	0.537	0.528	3.91x10 <sup>-4</sup>
FCRL3	0.612	0.526	4.01x10 <sup>-4</sup>
PEAR1	0.532	0.648	4.65x10 <sup>-4</sup>
CPED1	0.564	0.639	4.96x10 <sup>-4</sup>
P2RY1	0.617	0.584	5.31x10 <sup>-4</sup>
CXCL10	0.546	0.684	5.39x10 <sup>-4</sup>
TSPAN2	0.635	0.584	5.39x10 <sup>-4</sup>
ATP1B2	0.543	0.587	5.53x10 <sup>-4</sup>
TBXA2R	0.577	0.598	5.67x10 <sup>-4</sup>
PLA2G5	0.633	0.653	6.18x10 <sup>-4</sup>
CTNNA2	0.564	0.648	6.30x10 <sup>-4</sup>
ADGRL3	0.611	0.674	6.36x10 <sup>-4</sup>
CKMT1B	0.586	0.683	6.44x10 <sup>-4</sup>
NOTCH3	0.643	0.586	6.45x10 <sup>-4</sup>
INPP5J	0.576	0.654	6.56x10 <sup>-4</sup>
LHFPL6	0.573	0.673	6.87x10 <sup>-4</sup>
ITGBL1	0.654	0.563	6.91x10 <sup>-4</sup>
PRIMA1	0.556	0.648	6.99x10 <sup>-4</sup>

Table SI. Continued.

A, Stromal scores			
Gene	Sensitivity	Specificity	P-value
PRR15L	0.622	0.683	7.02x10 <sup>-4</sup>
COL6A3	0.566	0.684	7.08x10 <sup>-4</sup>
COL5A2	0.535	0.654	7.11x10 <sup>-4</sup>
COL5A1	0.654	0.575	7.15x10 <sup>-4</sup>
COL3A1	0.585	0.643	7.59x10 <sup>-4</sup>
PLXDC1	0.655	0.564	7.76x10 <sup>-4</sup>
INSYN1	0.637	0.654	8.08x10 <sup>-4</sup>
CLCNKB	0.573	0.564	8.12x10 <sup>-4</sup>
DPYSL3	0.609	0.664	8.27x10 <sup>-4</sup>
ADAM33	0.624	0.654	9.04x10 <sup>-4</sup>
SH3GL2	0.574	0.654	9.08x10 <sup>-4</sup>
CKMT1A	0.665	0.643	9.11x10 <sup>-4</sup>
ERVV-2	0.598	0.689	9.24x10 <sup>-4</sup>
ADGRA2	0.637	0.665	9.77x10 <sup>-4</sup>
HS3ST1	0.573	0.675	9.94x10 <sup>-4</sup>
TUBA3E	0.545	0.644	9.95x10 <sup>-4</sup>
SCNN1A	0.62	0.557	1.06x10 <sup>-3</sup>
COL5A3	0.546	0.648	1.08x10 <sup>-3</sup>
PDGFRB	0.675	0.656	1.08x10 <sup>-3</sup>
ABHD11	0.676	0.564	1.09x10 <sup>-3</sup>
PLPPR1	0.645	0.549	1.15x10 <sup>-3</sup>
CXCL11	0.576	0.646	1.18x10 <sup>-3</sup>
TMEM61	0.643	0.643	1.19x10 <sup>-3</sup>
OR51E1	0.638	0.548	1.19x10 <sup>-3</sup>
P2RY14	0.576	0.621	1.21x10 <sup>-3</sup>
OR51E2	0.639	0.654	1.24x10 <sup>-3</sup>
P2RY10	0.734	0.729	1.24x10 <sup>-3</sup>
TM7SF2	0.533	0.638	1.31x10 <sup>-3</sup>
ANGPT2	0.635	0.591	1.32x10 <sup>-3</sup>
HAPLN1	0.574	0.647	1.32x10 <sup>-3</sup>
SHISA2	0.538	0.584	1.34x10 <sup>-3</sup>
DNAAF3	0.562	0.632	1.34x10 <sup>-3</sup>
KCNK17	0.649	0.589	1.35x10 <sup>-3</sup>
DUSP15	0.624	0.569	1.42x10 <sup>-3</sup>
CDC42BPG	0.644	0.685	1.42x10 <sup>-3</sup>
C5orf46	0.524	0.596	1.47x10 <sup>-3</sup>
ATP6V1C2	0.801	0.712	1.48x10 <sup>-3</sup>
HIST1H1B	0.625	0.622	1.49x10 <sup>-3</sup>
SLC44A4	0.547	0.685	1.51x10 <sup>-3</sup>
KLHDC8A	0.636	0.564	1.54x10 <sup>-3</sup>
HIST1H4C	0.528	0.653	1.57x10 <sup>-3</sup>
ATP6V0A4	0.633	0.544	1.57x10 <sup>-3</sup>
ATP6V0D2	0.575	0.568	1.58x10 <sup>-3</sup>
SLC16A11	0.643	0.684	1.61x10 <sup>-3</sup>
ADAMTS16	0.575	0.639	1.61x10 <sup>-3</sup>
B4GALNT2	0.574	0.648	1.61x10 <sup>-3</sup>
FAM155B	0.546	0.603	1.69x10 <sup>-3</sup>
TPD52L1	0.621	0.568	1.73x10 <sup>-3</sup>
ZNF385B	0.547	0.634	1.79x10 <sup>-3</sup>
PPDPFL	0.648	0.567	1.81x10 <sup>-3</sup>
OLFML2B	0.554	0.684	1.81x10 <sup>-3</sup>
ADAMTS4	0.568	0.638	1.85x10 <sup>-3</sup>
SCGB3A2	0.645	0.568	1.94x10 <sup>-3</sup>
TFCP2L1	0.565	0.649	2.08x10 <sup>-3</sup>
TMEM38A	0.649	0.565	2.09x10 <sup>-3</sup>

Table SI. Continued.

A, Stromal scores			
Gene	Sensitivity	Specificity	P-value
TMEM252	0.537	0.684	2.13x10 <sup>-3</sup>
TMEM213	0.634	0.644	2.27x10 <sup>-3</sup>
CACNA1C	0.567	0.657	2.34x10 <sup>-3</sup>
TMEM45A	0.643	0.564	2.58x10 <sup>-3</sup>
COL14A1	0.576	0.656	2.61x10 <sup>-3</sup>
IL13RA2	0.503	0.653	2.64x10 <sup>-3</sup>
AKR1B15	0.636	0.573	2.66x10 <sup>-3</sup>
PLEKHB1	0.548	0.587	2.66x10 <sup>-3</sup>
CD164L2	0.663	0.576	2.75x10 <sup>-3</sup>
SCGB2A1	0.537	0.575	2.79x10 <sup>-3</sup>
SLC4A11	0.638	0.636	2.82x10 <sup>-3</sup>
CYP17A1	0.532	0.564	2.91x10 <sup>-3</sup>
TMPRSS2	0.665	0.646	2.98x10 <sup>-3</sup>
SLCO1C1	0.594	0.695	2.98x10 <sup>-3</sup>
FAM180A	0.583	0.564	3.08x10 <sup>-3</sup>
DNAH11	0.574	0.554	3.12x10 <sup>-3</sup>
THEMIS	0.633	0.645	3.12x10 <sup>-3</sup>
GRIK5	0.564	0.549	3.31x10 <sup>-3</sup>
B, Immune scores			
Gene	Sensitivity	Specificity	P-value
SIRPG	0.675	0.513	2.15x10 <sup>-12</sup>
THRSP	0.676	0.588	8.46x10 <sup>-12</sup>
PTPRC	0.732	0.482	7.77x10 <sup>-11</sup>
NR0B2	0.547	0.629	1.36x10 <sup>-10</sup>
SVOPL	0.678	0.574	6.13x10 <sup>-10</sup>
ANO5	0.646	0.563	8.13x10 <sup>-10</sup>
DMRT2	0.656	0.532	2.13x10 <sup>-9</sup>
DUSP9	0.649	0.592	2.90x10 <sup>-9</sup>
MS4A1	0.584	0.652	3.36x10 <sup>-9</sup>
OXCT1	0.668	0.577	5.75x10 <sup>-9</sup>
FASLG	0.597	0.602	1.06x10 <sup>-8</sup>
CXCL9	0.658	0.582	1.55x10 <sup>-8</sup>
HGFAC	0.662	0.583	3.71x10 <sup>-8</sup>
MYRIP	0.598	0.639	7.75x10 <sup>-8</sup>
CCL19	0.645	0.642	8.25x10 <sup>-8</sup>
CNTN3	0.649	0.599	1.03x10 <sup>-7</sup>
MAPK4	0.537	0.663	1.33x10 <sup>-7</sup>
PDCD1	0.694	0.587	1.34x10 <sup>-7</sup>
FDCSP	0.594	0.621	2.07x10 <sup>-7</sup>
FCRL5	0.577	0.633	3.97x10 <sup>-7</sup>
PPM1E	0.653	0.496	5.13x10 <sup>-7</sup>
FREM1	0.683	0.599	5.38x10 <sup>-7</sup>
ITGAL	0.584	0.611	5.89x10 <sup>-7</sup>
OGDHL	0.643	0.526	7.03x10 <sup>-7</sup>
CXCR6	0.595	0.639	8.36x10 <sup>-7</sup>
KCTD8	0.649	0.583	9.04x10 <sup>-7</sup>
IGLL5	0.548	0.628	9.83x10 <sup>-7</sup>
UNC5D	0.632	0.591	1.10x10 <sup>-6</sup>
IL2RG	0.573	0.638	1.32x10 <sup>-6</sup>
CD247	0.637	0.539	1.46x10 <sup>-6</sup>
NKG7	0.533	0.637	1.65x10 <sup>-6</sup>
CXCR3	0.654	0.649	1.67x10 <sup>-6</sup>

Table SI. Continued.

B, Immune scores			
Gene	Sensitivity	Specificity	P-value
ICOS	0.665	0.598	2.52x10 <sup>-6</sup>
ESRP1	0.675	0.517	3.33x10 <sup>-6</sup>
TIGIT	0.643	0.628	3.81x10 <sup>-6</sup>
TPSG1	0.546	0.651	6.01x10 <sup>-6</sup>
CHL1	0.533	0.592	6.56x10 <sup>-6</sup>
SYNE4	0.563	0.614	7.67x10 <sup>-6</sup>
HBG2	0.587	0.629	8.49x10 <sup>-6</sup>
TGFBI	0.643	0.574	1.01x10 <sup>-5</sup>
TRAT1	0.546	0.641	1.05x10 <sup>-5</sup>
PACRG	0.653	0.429	1.12x10 <sup>-5</sup>
RHOH	0.549	0.675	1.23x10 <sup>-5</sup>
GZMH	0.643	0.449	1.26x10 <sup>-5</sup>
FBXO2	0.654	0.593	1.43x10 <sup>-5</sup>
CD79A	0.63	0.539	1.44x10 <sup>-5</sup>
CLDN6	0.594	0.691	1.82x10 <sup>-5</sup>
TNNC2	0.762	0.778	2.01x10 <sup>-5</sup>
CASP5	0.653	0.539	2.42x10 <sup>-5</sup>
NUPR2	0.599	0.61	3.16x10 <sup>-5</sup>
DTHD1	0.584	0.602	3.42x10 <sup>-5</sup>
TTC24	0.564	0.632	3.86x10 <sup>-5</sup>
ATP4B	0.554	0.629	4.34x10 <sup>-5</sup>
CHRM1	0.569	0.648	4.73x10 <sup>-5</sup>
SMIM5	0.654	0.564	5.15x10 <sup>-5</sup>
MMP12	0.668	0.618	5.34x10 <sup>-5</sup>
SALL3	0.589	0.638	5.42x10 <sup>-5</sup>
RIMS2	0.638	0.584	5.70x10 <sup>-5</sup>
EOMES	0.584	0.643	6.75x10 <sup>-5</sup>
SYT10	0.692	0.694	6.90x10 <sup>-5</sup>
GRIK5	0.527	0.682	7.48x10 <sup>-5</sup>
FCRL3	0.539	0.638	9.70x10 <sup>-5</sup>
DHRS2	0.683	0.585	1.02x10 <sup>-4</sup>
KLRC4	0.693	0.538	1.20x10 <sup>-4</sup>
MCCD1	0.584	0.628	1.53x10 <sup>-4</sup>
WNT7B	0.617	0.527	1.63x10 <sup>-4</sup>
TUNAR	0.682	0.516	1.64x10 <sup>-4</sup>
NAT8L	0.593	0.629	1.88x10 <sup>-4</sup>
NMRK2	0.623	0.584	1.94x10 <sup>-4</sup>
IKZF3	0.584	0.649	2.01x10 <sup>-4</sup>
TAF7L	0.637	0.583	2.02x10 <sup>-4</sup>
CTLA4	0.584	0.637	2.38x10 <sup>-4</sup>
ERVV-2	0.584	0.648	2.78x10 <sup>-4</sup>
CKMT1A	0.489	0.698	2.90x10 <sup>-4</sup>
CYP1A2	0.649	0.594	3.92x10 <sup>-4</sup>
INSYN1	0.642	0.548	5.23x10 <sup>-4</sup>
CLCNKB	0.748	0.337	5.31x10 <sup>-4</sup>
CD2	0.623	0.643	5.66x10 <sup>-4</sup>
MAG	0.694	0.437	5.67x10 <sup>-4</sup>
MAL	0.648	0.394	5.97x10 <sup>-4</sup>
LBP	0.539	0.578	7.41x10 <sup>-4</sup>
LTA	0.617	0.538	7.71x10 <sup>-4</sup>
CD5	0.538	0.693	7.89x10 <sup>-4</sup>
LCK	0.662	0.539	9.03x10 <sup>-4</sup>
UBD	0.648	0.571	1.05x10 <sup>-3</sup>
LHB	0.564	0.568	1.08x10 <sup>-3</sup>
CKB	0.645	0.559	1.12x10 <sup>-3</sup>

Table SI. Continued.

B, Immune scores			
Gene	Sensitivity	Specificity	P-value
TAT	0.564	0.643	1.17x10 <sup>-3</sup>
ITK	0.549	0.647	1.20x10 <sup>-3</sup>
LOX	0.634	0.543	1.32x10 <sup>-3</sup>
F7	0.504	0.557	1.42x10 <sup>-3</sup>
PIP	0.621	0.518	1.42x10 <sup>-3</sup>
MZB1	0.563	0.633	1.52x10 <sup>-3</sup>
SLA2	0.649	0.573	1.65x10 <sup>-3</sup>
CD3G	0.634	0.568	1.78x10 <sup>-3</sup>
CST7	0.564	0.643	2.01x10 <sup>-3</sup>
DOK7	0.599	0.688	2.04x10 <sup>-3</sup>
HCN2	0.604	0.547	2.05x10 <sup>-3</sup>
FAXC	0.62	0.544	2.58x10 <sup>-3</sup>
CD38	0.644	0.564	2.64x10 <sup>-3</sup>
PSCA	0.576	0.628	2.65x10 <sup>-3</sup>
FYB1	0.632	0.573	2.65x10 <sup>-3</sup>
CD3D	0.625	0.568	2.98x10 <sup>-3</sup>
CD96	0.592	0.658	3.08x10 <sup>-3</sup>
GZMK	0.639	0.479	3.61x10 <sup>-3</sup>
MAFA	0.529	0.693	3.64x10 <sup>-3</sup>
FA2H	0.526	0.626	3.87x10 <sup>-3</sup>
GBP5	0.639	0.544	4.72x10 <sup>-3</sup>
CCR8	0.589	0.616	5.01x10 <sup>-3</sup>
SCIN	0.689	0.512	5.03x10 <sup>-3</sup>
PCP4	0.527	0.649	5.10x10 <sup>-3</sup>
C1QB	0.538	0.61	5.23x10 <sup>-3</sup>
GZMA	0.64	0.532	5.59x10 <sup>-3</sup>
IRF4	0.543	0.694	5.76x10 <sup>-3</sup>
CCL5	0.639	0.544	6.38x10 <sup>-3</sup>
CCR2	0.549	0.654	6.59x10 <sup>-3</sup>
DRC1	0.643	0.655	6.83x10 <sup>-3</sup>
LCP1	0.599	0.554	6.85x10 <sup>-3</sup>
PURG	0.564	0.654	6.92x10 <sup>-3</sup>
SAA2	0.643	0.584	7.21x10 <sup>-3</sup>
LAX1	0.589	0.655	7.34x10 <sup>-3</sup>
PAEP	0.528	0.544	7.65x10 <sup>-3</sup>
LAG3	0.619	0.564	1.02x10 <sup>-3</sup>
PMCH	0.532	0.547	1.02x10 <sup>-3</sup>
GGT6	0.625	0.543	1.20x10 <sup>-3</sup>
AQP5	0.617	0.534	1.28x10 <sup>-3</sup>
AIM2	0.518	0.539	1.41x10 <sup>-3</sup>
EPYC	0.692	0.458	1.46x10 <sup>-3</sup>
CD27	0.612	0.643	1.52x10 <sup>-3</sup>
CPA4	0.577	0.583	1.53x10 <sup>-3</sup>
XCL2	0.625	0.632	1.78x10 <sup>-3</sup>
CD8A	0.549	0.638	1.85x10 <sup>-3</sup>
IBSP	0.612	0.578	1.86x10 <sup>-3</sup>
GBP1	0.808	0.775	1.93x10 <sup>-3</sup>
PLK5	0.565	0.684	2.25x10 <sup>-3</sup>
FPR3	0.644	0.538	2.31x10 <sup>-3</sup>
CCR5	0.568	0.613	2.03x10 <sup>-3</sup>
GBP4	0.759	0.773	2.51x10 <sup>-3</sup>
AOAH	0.631	0.533	2.52x10 <sup>-3</sup>
KRT7	0.587	0.683	2.58x10 <sup>-3</sup>
CCL4	0.568	0.678	2.67x10 <sup>-3</sup>
TJP3	0.649	0.633	2.68x10 <sup>-3</sup>
SIT1	0.665	0.539	2.86x10 <sup>-3</sup>
IFNG	0.588	0.639	2.88x10 <sup>-3</sup>
CTSW	0.657	0.489	2.91x10 <sup>-3</sup>
CD8B	0.584	0.543	2.94x10 <sup>-3</sup>
PRF1	0.613	0.537	2.94x10 <sup>-3</sup>
CD3E	0.615	0.684	3.11x10 <sup>-3</sup>
XCL1	0.656	0.539	3.24x10 <sup>-3</sup>

Table SI. Continued.

B, Immune scores			
Gene	Sensitivity	Specificity	P-value
CCR4	0.548	0.648	3.24x10 <sup>-3</sup>
SAA1	0.616	0.538	3.26x10 <sup>-3</sup>
REG1B	0.599	0.598	3.55x10 <sup>-3</sup>
CAMK2B	0.639	0.459	4.11x10 <sup>-3</sup>
TUBA3E	0.599	0.493	4.16x10 <sup>-3</sup>
SH2D1A	0.596	0.639	4.35x10 <sup>-3</sup>
SLAMF6	0.63	0.529	4.35x10 <sup>-3</sup>
FCGR1A	0.579	0.638	4.46x10 <sup>-3</sup>
CXCL11	0.622	0.594	4.65x10 <sup>-3</sup>
DUSP15	0.629	0.593	4.72x10 <sup>-3</sup>
GPR174	0.478	0.693	4.77x10 <sup>-3</sup>
PLPPR1	0.682	0.594	4.93x10 <sup>-3</sup>
ADGRF1	0.482	0.739	5.10x10 <sup>-3</sup>
FCGR3A	0.594	0.593	5.16x10 <sup>-3</sup>
CRTAM	0.683	0.639	5.16x10 <sup>-3</sup>
GSG1L2	0.587	0.583	5.19x10 <sup>-3</sup>
SHISA2	0.638	0.548	5.19x10 <sup>-3</sup>
THEMIS	0.639	0.489	5.47x10 <sup>-3</sup>
CCDC151	0.593	0.649	5.96x10 <sup>-3</sup>
CLEC12A	0.653	0.632	6.07x10 <sup>-3</sup>
CARD17	0.549	0.661	6.15x10 <sup>-3</sup>
SLAMF8	0.537	0.639	6.19x10 <sup>-3</sup>
IGFBP1	0.622	0.527	6.24x10 <sup>-3</sup>
SCNN1A	0.593	0.545	9.41x10 <sup>-3</sup>
CWH43	0.633	0.624	9.82x10 <sup>-3</sup>
PTPRN	0.584	0.649	7.21x10 <sup>-3</sup>
PYHIN1	0.624	0.539	7.35x10 <sup>-3</sup>
WFDC12	0.546	0.689	7.45x10 <sup>-3</sup>
CKMT1B	0.644	0.639	8.07x10 <sup>-3</sup>
INPP5J	0.539	0.694	8.36x10 <sup>-3</sup>
NKX6-1	0.618	0.584	9.63x10 <sup>-3</sup>
LYPD6B	0.528	0.638	9.84x10 <sup>-3</sup>
CXCL10	0.539	0.643	2.69x10 <sup>-3</sup>
TMEM61	0.628	0.639	8.20x10 <sup>-3</sup>
ZNF831	0.683	0.549	1.32x10 <sup>-3</sup>
P2RY10	0.734	0.729	1.39x10 <sup>-3</sup>
OR2I1P	0.692	0.547	1.79x10 <sup>-3</sup>
CTNNA2	0.593	0.663	2.36x10 <sup>-3</sup>
SLAMF7	0.651	0.648	2.36x10 <sup>-3</sup>
SYNGR3	0.593	0.594	2.64x10 <sup>-3</sup>
ELAVL2	0.618	0.539	2.68x10 <sup>-3</sup>
ALKAL1	0.583	0.646	3.21x10 <sup>-3</sup>
TRIM50	0.618	0.543	3.56x10 <sup>-3</sup>
MFSD6L	0.582	0.649	4.03x10 <sup>-3</sup>
STK32A	0.612	0.546	4.28x10 <sup>-3</sup>
SLC2A4	0.598	0.629	4.45x10 <sup>-3</sup>
RNF223	0.623	0.649	5.11x10 <sup>-3</sup>
SPTBN2	0.691	0.548	5.49x10 <sup>-3</sup>
FAM155B	0.538	0.649	6.23x10 <sup>-3</sup>
SCN2A	0.628	0.546	6.40x10 <sup>-3</sup>
CD163	0.589	0.657	7.44x10 <sup>-3</sup>
RXFP4	0.538	0.632	8.66x10 <sup>-3</sup>
SLIT2	0.688	0.598	9.08x10 <sup>-3</sup>
HLA-DOB	0.543	0.695	9.66x10 <sup>-3</sup>
TFCP2L1	0.614	0.564	2.96x10 <sup>-3</sup>

Table SI. Continued.

B, Immune scores			
Gene	Sensitivity	Specificity	P-value
C7orf57	0.547	0.645	4.78x10 <sup>-3</sup>
SLC13A2	0.619	0.634	7.48x10 <sup>-3</sup>
TMEM155	0.547	0.654	1.21x10 <sup>-3</sup>
POU2AF1	0.682	0.585	8.44x10 <sup>-3</sup>
TACSTD2	0.567	0.658	3.78x10 <sup>-3</sup>
SLC6A15	0.632	0.564	1.37x10 <sup>-3</sup>
SOSTDC1	0.542	0.657	7.99x10 <sup>-3</sup>
GAL3ST3	0.498	0.754	5.59x10 <sup>-3</sup>
RANBP3L	0.512	0.667	1.79x10 <sup>-3</sup>
C5orf46	0.621	0.564	4.57x10 <sup>-3</sup>
JAKMIP1	0.538	0.657	5.86x10 <sup>-3</sup>
TNFRSF9	0.533	0.583	7.01x10 <sup>-3</sup>
SCGB3A2	0.632	0.646	1.06x10 <sup>-3</sup>
TMEM38A	0.584	0.554	1.28x10 <sup>-3</sup>
TMEM213	0.612	0.536	3.19x10 <sup>-3</sup>
SLFN12L	0.583	0.574	8.72x10 <sup>-3</sup>
UBASH3A	0.553	0.643	4.94x10 <sup>-3</sup>
CD200R1	0.56	0.546	2.41x10 <sup>-3</sup>
SCGB2A1	0.643	0.644	3.74x10 <sup>-3</sup>
CFAP61	0.594	0.564	2.39x10 <sup>-3</sup>
KCNJ11	0.533	0.654	7.78x10 <sup>-3</sup>
GPR141	0.642	0.547	1.04x10 <sup>-3</sup>
IL21R	0.772	0.758	5.32x10 <sup>-3</sup>
TNFSF13B	0.579	0.647	9.21x10 <sup>-3</sup>
ERVFRD-1	0.583	0.632	3.26x10 <sup>-3</sup>
AC136428	0.665	0.587	4.59x10 <sup>-3</sup>
SAA2-SAA4	0.578	0.539	1.75x10 <sup>-3</sup>
HIST1H1B	0.658	0.536	8.78x10 <sup>-3</sup>
HIST1H4C	0.589	0.547	9.36x10 <sup>-3</sup>
C6orf222	0.656	0.646	3.21x10 <sup>-3</sup>
ADAMDEC1	0.598	0.568	9.26x10 <sup>-3</sup>
ATP6V1C2	0.801	0.712	1.48x10 <sup>-3</sup>
FAM189A2	0.615	0.576	7.19x10 <sup>-3</sup>
HIST1H3B	0.547	0.653	4.97x10 <sup>-3</sup>
ATP6V0A4	0.632	0.654	5.25x10 <sup>-3</sup>
SLC16A11	0.544	0.537	7.22x10 <sup>-3</sup>
ATP6V0D2	0.592	0.636	7.75x10 <sup>-3</sup>
C11orf86	0.577	0.694	1.02x10 <sup>-3</sup>
B4GALNT2	0.639	0.664	7.46x10 <sup>-3</sup>
CYP17A1	0.635	0.563	5.82x10 <sup>-3</sup>
TMPRSS2	0.538	0.643	2.99x10 <sup>-3</sup>
RAP1GAP	0.633	0.632	3.38x10 <sup>-3</sup>
SLC29A2	0.558	0.678	2.08x10 <sup>-3</sup>
VSTM2A	0.654	0.553	4.54x10 <sup>-3</sup>
CXCL13	0.688	0.348	4.56x10 <sup>-3</sup>
TUBA3D	0.625	0.643	3.43x10 <sup>-3</sup>
CALHM6	0.558	0.567	1.84x10 <sup>-3</sup>