



Figure S1. The univariate and multivariate Cox regression analysis of risk score. Notes: (A) Univariate Cox regression analysis of the risk score and clinical features (gender, age, grade, stage, T and M classifications). (B) Multivariate Cox regression analysis of the risk score and clinical features (gender, age, grade, stage). (C) Multivariate Cox regression analysis of the risk score and clinical features (gender, age, grade, M classification). (D) Multivariate Cox regression analysis of the risk score and clinical features (gender, age, grade, N classification).

Table S1. The list of costimulatory molecules

CD27, CD274, CD276, CD28, CD40, CD40LG, CD70, CD80, CD86, CTLA4, EDA, EDA2R, EDAR, FAS, FASLG, HHLA2, ICOS, ICOSLG, LTA, LTβ, LTBR, NGFR, PDCD1, PDCD1LG2, RELT, TMIGD2, TNF, TNFRSF10A, TNFRSF10B, TNFRSF10C, TNFRSF10D, TNFRSF11A, TNFRSF11B, TNFRSF12A, TNFRSF13B, TNFRSF13C, TNFRSF14, TNFRSF17, TNFRSF18, TNFRSF19, TNFRSF1A, TNFRSF1B, TNFRSF21, TNFRSF25, TNFRSF4, TNFRSF8, TNFRSF9, TNFSF10, TNFSF11, TNFSF12, TNFSF13, TNFSF13B, TNFSF14, TNFSF15, TNFSF18, TNFSF4, TNFSF8, TNFSF9, VTCN1

Table S2. The identified 1736 costimulatory molecule-related lncRNAs.

costimulatory molecule	lncRNA	cor	pvalue	Regulation
TNFRSF1A	NNT-AS1	-0.53591	2.13E-41	negative
TNFRSF1B	LINC00426	0.500087	1.89E-35	postive
RELT	AC010247.1	0.5001	1.88E-35	postive
TNFRSF9	PSMB8-AS1	0.500178	1.83E-35	postive
TMIGD2	AC010319.4	0.500185	1.82E-35	postive
TNFRSF14	AC040977.1	0.500264	1.77E-35	postive
TMIGD2	AP001527.2	0.500278	1.76E-35	postive
TNFRSF25	AC005332.4	0.500397	1.69E-35	postive
TNFRSF25	C1RL-AS1	0.50051	1.62E-35	postive
TMIGD2	AC127070.2	0.500513	1.62E-35	postive
RELT	AC022182.2	0.500652	1.54E-35	postive
TNFRSF18	AC008105.3	0.500652	1.54E-35	postive
TNFSF14	ITGB2-AS1	0.500749	1.49E-35	postive
TNFRSF25	AC092171.4	0.500767	1.48E-35	postive

CD86	AC243829.4	0.501009	1.35E-35	postive
TMIGD2	Z86062.2	0.501022	1.35E-35	postive
CTLA4	AC007278.1	0.501141	1.29E-35	postive
PDCD1	AC021028.1	0.501146	1.29E-35	postive
TNFRSF25	AP000254.1	0.501297	1.22E-35	postive
TNFRSF25	AC087239.1	0.501378	1.18E-35	postive
TNFSF8	TSPOAP1-AS1	0.501382	1.18E-35	postive
PDCD1	LINC00881	0.501668	1.07E-35	postive
TNFRSF14	AC008735.2	0.501773	1.03E-35	postive
TNFRSF9	AL132642.1	0.501785	1.02E-35	postive
FASLG	ITGB2-AS1	0.502002	9.45E-36	postive
CD80	LINC00943	0.502109	9.09E-36	postive
TNFRSF25	LINC01138	0.502116	9.07E-36	postive
TNFRSF25	AL683813.1	0.502127	9.03E-36	postive
TMIGD2	AL512770.1	0.502208	8.77E-36	postive
RELT	LINC02422	0.502215	8.75E-36	postive
TNFSF14	AC127502.2	0.502222	8.72E-36	postive
TMIGD2	AC090844.2	0.502237	8.68E-36	postive
PDCD1	AL139352.1	0.502259	8.61E-36	postive
ICOS	LINC02328	0.502299	8.48E-36	postive
TNFRSF14	AC007406.2	0.502385	8.22E-36	postive
CD80	AL139125.1	0.502436	8.07E-36	postive
TNFRSF25	AC013356.2	0.502857	6.93E-36	postive
TNFRSF25	AC112722.1	0.503187	6.14E-36	postive
TNFRSF25	AC132872.3	0.503236	6.04E-36	postive
LTA	LINC02273	0.503325	5.84E-36	postive
TMIGD2	AL133553.1	0.503578	5.33E-36	postive
CD80	AC006033.2	0.50362	5.25E-36	postive
FAS	TNFRSF10A-AS1	0.503636	5.22E-36	postive
TNFRSF25	AL442128.2	0.503666	5.16E-36	postive
TNFRSF14	AL590822.1	0.504021	4.53E-36	postive
TNFRSF25	AL356356.1	0.504081	4.44E-36	postive
TNFRSF25	AP000692.1	0.504096	4.41E-36	postive
TNFRSF25	AC025171.4	0.504251	4.17E-36	postive
EDA	AL162171.1	0.504357	4.01E-36	postive
LTA	AC006033.2	0.504555	3.73E-36	postive
TNFRSF14	AC129510.1	0.504787	3.43E-36	postive
CD80	C5orf56	0.504829	3.38E-36	postive
TNFRSF25	MIR194-2HG	0.504902	3.29E-36	postive
TNFRSF25	AL354892.3	0.504936	3.25E-36	postive
TNFRSF14	PSMB8-AS1	0.50512	3.04E-36	postive
VTCN1	LINC02086	0.505232	2.91E-36	postive
TNFRSF25	AC136604.2	0.505316	2.82E-36	postive
TMIGD2	AC234778.2	0.505326	2.81E-36	postive
ICOS	FO393401.1	0.505345	2.79E-36	postive
RELT	AL135818.2	0.505411	2.73E-36	postive
TNFRSF25	AP001107.8	0.505496	2.64E-36	postive
TNFRSF25	NFYC-AS1	0.505672	2.48E-36	postive
TNFRSF9	LINC02416	0.505687	2.47E-36	postive
TNFRSF25	AC105020.1	0.505689	2.46E-36	postive
TMIGD2	AC005089.1	0.505743	2.41E-36	postive
TNFRSF25	AL450384.2	0.505815	2.35E-36	postive
TNFRSF18	LINC02362	0.50586	2.31E-36	postive
TMIGD2	AL354928.1	0.506189	2.05E-36	postive
TNFRSF9	AC079015.1	0.506254	2.00E-36	postive
ICOS	AC243829.1	0.506268	1.99E-36	postive
TNFRSF8	AC099066.2	0.506461	1.86E-36	postive

CD80	AC022211.1	0.506599	1.76E-36	postive
FASLG	LINC02422	0.506642	1.74E-36	postive
TNFSF13B	LINC02285	0.50665	1.73E-36	postive
TNFRSF25	AC008610.1	0.506658	1.73E-36	postive
TMIGD2	AC008759.2	0.506795	1.64E-36	postive
TNFRSF14	NFYC-AS1	0.506872	1.59E-36	postive
LTA	TNRC6C-AS1	0.506986	1.53E-36	postive
CD80	AC243960.1	0.507042	1.50E-36	postive
TNFRSF14	AC087500.2	0.507045	1.50E-36	postive
TNFRSF14	AC092118.2	0.507113	1.46E-36	postive
TNFRSF14	LENG8-AS1	0.507119	1.46E-36	postive
CD28	TSPOAP1-AS1	0.507146	1.44E-36	postive
CD28	AC006033.2	0.507203	1.41E-36	postive
TNFRSF14	AC012409.3	0.507404	1.31E-36	postive
TNFRSF25	AL662844.4	0.507407	1.31E-36	postive
CD40LG	AC243960.1	0.507492	1.27E-36	postive
TNFSF14	AC090164.2	0.507517	1.26E-36	postive
LTB	AL135818.2	0.507743	1.16E-36	postive
TNFRSF25	AP003096.1	0.507759	1.15E-36	postive
TNFRSF25	AC107081.2	0.507761	1.15E-36	postive
PDCD1	LINC02363	0.507774	1.14E-36	postive
TNFRSF14	PXN-AS1	0.507894	1.09E-36	postive
TNFRSF25	SNHG10	0.507917	1.08E-36	postive
RELT	AC004585.1	0.508074	1.02E-36	postive
TNFRSF14	AC118754.1	0.508737	8.01E-37	postive
TNFRSF9	AF127936.1	0.509011	7.23E-37	postive
TNFRSF14	AC132872.2	0.509163	6.84E-37	postive
TNFRSF14	AL355353.1	0.509191	6.77E-37	postive
RELT	AL139352.1	0.509217	6.70E-37	postive
CD80	AC116366.1	0.509355	6.37E-37	postive
TMIGD2	AC007613.1	0.509372	6.33E-37	postive
TNFRSF14	AL360181.2	0.509409	6.24E-37	postive
LTA	AC087318.1	0.5095	6.03E-37	postive
PDCD1LG2	AL596094.1	0.509618	5.78E-37	postive
TNFRSF25	LIX1L-AS1	0.509623	5.77E-37	postive
TNFSF14	AC145423.2	0.509652	5.70E-37	postive
TNFSF4	AC091057.1	0.50969	5.62E-37	postive
TNFRSF11A	LINC00900	0.509716	5.57E-37	postive
TNFRSF25	AC091185.1	0.50973	5.54E-37	postive
LTB	LINC00426	0.509796	5.40E-37	postive
TNFRSF13C	AL365361.1	0.510016	4.98E-37	postive
FASLG	AL365361.1	0.510168	4.71E-37	postive
TNFRSF14	DM1-AS	0.510176	4.69E-37	postive
CD80	LINC00861	0.510287	4.50E-37	postive
TNFRSF14	C9orf139	0.510332	4.43E-37	postive
TNFRSF25	AC136475.2	0.510426	4.28E-37	postive
CD80	AC090948.2	0.51051	4.14E-37	postive
CTLA4	AC091057.1	0.510549	4.08E-37	postive
TMIGD2	ZNF114-AS1	0.510588	4.02E-37	postive
CD40LG	LINC00861	0.51059	4.02E-37	postive
TNFRSF25	LINC02145	0.510657	3.92E-37	postive
TMIGD2	AC074011.1	0.510714	3.84E-37	postive
CD28	AC243960.1	0.510756	3.78E-37	postive
TNFRSF9	AC006369.1	0.510917	3.56E-37	postive
TMIGD2	AC107081.2	0.510993	3.46E-37	postive
PDCD1	AL135818.2	0.511034	3.41E-37	postive
LTB	AC011899.3	0.511036	3.41E-37	postive

CD80	AC073046.1	0.51118	3.23E-37	postive
TMIGD2	AL139260.1	0.511186	3.22E-37	postive
RELT	AC091057.1	0.511261	3.13E-37	postive
CD80	AC116158.1	0.511279	3.11E-37	postive
TNFSF15	AC073283.2	0.511289	3.10E-37	postive
TNFRSF17	AC022182.2	0.511132	3.06E-37	postive
TNFSF4	MIR155HG	0.511662	2.70E-37	postive
TNFRSF14	AC069281.2	0.511711	2.65E-37	postive
CD80	IFNG-AS1	0.511763	2.59E-37	postive
CD86	USP30-AS1	0.511895	2.47E-37	postive
TNFRSF14	AC132192.2	0.511905	2.46E-37	postive
TNFRSF25	ZFHX2-AS1	0.511191	2.46E-37	postive
CD80	LINC01146	0.512067	2.32E-37	postive
LTA	AC008105.3	0.512099	2.29E-37	postive
TNFRSF14	AC125494.2	0.512128	2.26E-37	postive
CD80	AC002091.2	0.512176	2.22E-37	postive
TNFRSF25	AC068620.2	0.512179	2.22E-37	postive
VTCN1	AC024022.1	0.512306	2.12E-37	postive
TNFRSF25	LINC02062	0.512311	2.11E-37	postive
RELT	AC008750.1	0.512323	2.10E-37	postive
TNFRSF25	LINC01011	0.51242	2.03E-37	postive
RELT	ITGB2-AS1	0.512421	2.03E-37	postive
RELT	AC009133.3	0.512435	2.02E-37	postive
TNFRSF9	AL390729.1	0.512599	1.90E-37	postive
TNFRSF14	AC093726.2	0.513047	1.60E-37	postive
CD80	AL365361.1	0.513047	1.60E-37	postive
TNFRSF25	AC018809.1	0.513062	1.59E-37	postive
TNFRSF25	VP59D1-AS1	0.513116	1.56E-37	postive
TNFRSF25	AC017104.1	0.513259	1.48E-37	postive
TNFRSF14	AL161452.1	0.513274	1.47E-37	postive
LTB	PSMB8-AS1	0.513351	1.43E-37	postive
CD80	AC010186.3	0.513388	1.41E-37	postive
TMIGD2	HLX-AS1	0.513417	1.40E-37	postive
CTLA4	AC004494.1	0.513526	1.34E-37	postive
CD28	AF127936.1	0.51356	1.32E-37	postive
RELT	TRG-AS1	0.513572	1.32E-37	postive
TNFRSF25	AL133215.1	0.513677	1.27E-37	postive
TNFRSF14	AL021707.6	0.513961	1.14E-37	postive
CD80	AL357060.1	0.513968	1.13E-37	postive
RELT	AC011899.2	0.513971	1.13E-37	postive
CD80	LINC02328	0.513981	1.13E-37	postive
TNFRSF25	AC005740.4	0.514003	1.12E-37	postive
TNFSF4	AC004585.1	0.514117	1.07E-37	postive
TNFRSF25	AC093726.2	0.514314	9.95E-38	postive
TNFRSF25	AC092301.1	0.514452	9.44E-38	postive
TNFRSF25	AC079807.1	0.514513	9.23E-38	postive
CD80	AC090559.1	0.514585	8.98E-38	postive
TNFRSF25	KMT2E-AS1	0.514738	8.48E-38	postive
TNFRSF14	LINC00342	0.51492	7.91E-38	postive
TNFRSF14	ARHGAP27P1-BPTFP1-KPNA2P3	0.515036	7.57E-38	postive
TNFRSF25	AL139089.1	0.515139	7.28E-38	postive
PDCD1	AC068196.1	0.515214	7.08E-38	postive
CD40LG	AL365361.1	0.515239	7.01E-38	postive
LTB	AC006369.1	0.515257	6.96E-38	postive
TMIGD2	AL592494.3	0.515302	6.85E-38	postive
TNFRSF25	AC084018.2	0.515361	6.70E-38	postive
PDCD1LG2	AF127936.1	0.515442	6.49E-38	postive

TNFRSF25	AC018638.7	0.515479	6.40E-38	postive
TNFRSF14	AC079906.1	0.515479	6.40E-38	postive
TNFRSF25	CACNA1C-AS2	0.515607	6.10E-38	postive
REL	AC243960.1	0.515645	6.01E-38	postive
CD28	AC006369.1	0.515693	5.90E-38	postive
TNFRSF14	AC015726.1	0.515948	5.36E-38	postive
LTA	LINC02363	0.516239	4.80E-38	postive
LTA	AC011899.3	0.516378	4.55E-38	postive
TMIGD2	AC092338.1	0.516491	4.36E-38	postive
TNFRSF14	AC017083.1	0.516531	4.29E-38	postive
TNFRSF25	MATN1-AS1	0.516571	4.23E-38	postive
TNFRSF25	AC118754.1	0.516637	4.13E-38	postive
CD28	AL591468.1	0.51683	3.83E-38	postive
ICOS	AL135818.2	0.516848	3.81E-38	postive
TNFRSF18	AC004865.2	0.517286	3.22E-38	postive
ICOS	LINC02422	0.517306	3.20E-38	postive
REL	AL731567.1	0.517331	3.17E-38	postive
PDCD1LG2	AC106786.1	0.517561	2.90E-38	postive
TNFSF8	LINC01150	0.517582	2.88E-38	postive
TNFRSF13C	AC109446.3	0.517645	2.81E-38	postive
TNFRSF25	AC007278.1	0.51776	2.69E-38	postive
CTLA4	AC010247.1	0.517769	2.68E-38	postive
TNFRSF14	AL353622.2	0.517865	2.58E-38	postive
CD80	AC022973.4	0.517903	2.55E-38	postive
CD86	TRG-AS1	0.517968	2.48E-38	postive
TNFSF4	AC007728.2	0.518023	2.43E-38	postive
TNFRSF25	AC015802.5	0.518029	2.43E-38	postive
LTA	LINC00528	0.518172	2.30E-38	postive
TMIGD2	AC026803.1	0.518183	2.29E-38	postive
TNFRSF25	AC132192.2	0.518389	2.11E-38	postive
TMIGD2	AC067750.1	0.518449	2.07E-38	postive
CD86	AL133264.2	0.518573	1.97E-38	postive
TNFRSF9	AC015911.3	0.518694	1.88E-38	postive
TNFRSF14	MMP25-AS1	0.518727	1.86E-38	postive
TNFRSF8	LINC02550	0.51876	1.84E-38	postive
TMIGD2	LINC01703	0.518867	1.76E-38	postive
TNFRSF14	LINC01786	0.518883	1.75E-38	postive
CD28	AC011899.2	0.518896	1.74E-38	postive
TNFRSF11A	AC016405.2	0.519107	1.61E-38	postive
TMIGD2	AL021937.1	0.519273	1.51E-38	postive
REL	AL590764.1	0.519332	1.47E-38	postive
VTCN1	AL121820.2	0.519521	1.37E-38	postive
TNFRSF14	AC135050.3	0.519602	1.33E-38	postive
TMIGD2	AC027449.1	0.519617	1.32E-38	postive
TNFRSF25	AL354733.3	0.519674	1.29E-38	postive
CTLA4	LINC00892	0.519782	1.24E-38	postive
TNFRSF25	AC009107.2	0.51993	1.17E-38	postive
CD80	AC074011.1	0.520101	1.10E-38	postive
ICOS	HCP5	0.5204	9.77E-39	postive
TMIGD2	Z83851.1	0.52062	8.98E-39	postive
TNFRSF14	LINC01144	0.521018	7.70E-39	postive
TMIGD2	AC093249.2	0.521019	7.70E-39	postive
TMIGD2	AC006273.1	0.521071	7.55E-39	postive
TMIGD2	AC009226.1	0.521084	7.51E-39	postive
TNFRSF1B	AL591468.1	0.52112	7.40E-39	postive
TNFRSF14	ERVK9-11	0.521256	7.02E-39	postive
TNFRSF25	AL031846.2	0.521282	6.95E-39	postive

TNFRSF14	AC015660.3	0.521488	6.42E-39	postive
TNFRSF4	HSPC324	0.521534	6.31E-39	postive
TNFRSF14	AC087289.2	0.52155	6.27E-39	postive
TNFSF4	AL591468.1	0.521617	6.11E-39	postive
FASLG	AC011899.2	0.521661	6.01E-39	postive
TNFRSF25	C3orf35	0.521719	5.87E-39	postive
PDCD1	AC087318.1	0.52175	5.80E-39	postive
TNFRSF14	ADORA2A-AS1	0.521943	5.39E-39	postive
TNFRSF25	AF111169.3	0.522102	5.06E-39	postive
TNFRSF14	AC124944.1	0.522226	4.83E-39	postive
TMIGD2	AL360091.2	0.52254	4.27E-39	postive
TNFRSF25	AC011498.6	0.522552	4.25E-39	postive
TMIGD2	RNF217-AS1	0.52262	4.14E-39	postive
RELT	LINC00426	0.522805	3.86E-39	postive
TNFRSF25	AP006621.4	0.522934	3.67E-39	postive
TNFRSF14	LINC00174	0.522974	3.61E-39	postive
TMIGD2	AL031727.2	0.523129	3.40E-39	postive
TNFSF4	PCED1B-AS1	0.523186	3.33E-39	postive
TMIGD2	LINC02569	0.523266	3.22E-39	postive
TNFRSF1B	AC018755.4	0.523292	3.19E-39	postive
CD80	AC008115.3	0.523329	3.15E-39	postive
TNFRSF25	LINC00861	0.523797	2.62E-39	postive
TNFRSF25	AC067945.3	0.523834	2.58E-39	postive
ICOS	LINC01934	0.523849	2.57E-39	postive
TNFRSF25	CAHM	0.523867	2.55E-39	postive
TNFRSF14	C1RL-AS1	0.524104	2.33E-39	postive
RELT	TNRC6C-AS1	0.524374	2.09E-39	postive
TNFRSF14	RAD51-AS1	0.524377	2.09E-39	postive
RELT	LINC00926	0.524452	2.03E-39	postive
TNFRSF25	AL162274.2	0.524716	1.83E-39	postive
ICOS	AC004494.1	0.524721	1.83E-39	postive
ICOS	AC011899.2	0.524784	1.78E-39	postive
TNFRSF25	AC078864.1	0.524861	1.73E-39	postive
TMIGD2	AL359878.2	0.524868	1.73E-39	postive
TNFRSF14	AC005332.5	0.524885	1.72E-39	postive
FASLG	AC015911.3	0.524885	1.71E-39	postive
TNFRSF13C	AC022182.2	0.52508	1.59E-39	postive
CD80	AC004585.1	0.525112	1.57E-39	postive
TNFRSF25	AC239803.3	0.525451	1.37E-39	postive
TNFRSF14	AC084125.2	0.525529	1.33E-39	postive
TMIGD2	LINC01593	0.525552	1.32E-39	postive
TNFRSF25	AC013731.1	0.525568	1.31E-39	postive
TNFRSF25	AC078909.2	0.525682	1.26E-39	postive
TNFRSF14	AL662844.4	0.525688	1.25E-39	postive
TNFRSF14	AC009283.1	0.525935	1.14E-39	postive
TMIGD2	AC107057.1	0.525945	1.13E-39	postive
TMIGD2	AL139158.2	0.525972	1.12E-39	postive
FASLG	AC006033.2	0.526029	1.10E-39	postive
TMIGD2	AC067747.1	0.526279	9.93E-40	postive
TNFRSF13C	FAM30A	0.526869	7.87E-40	postive
TNFRSF25	GEMIN7-AS1	0.52702	7.42E-40	postive
TNFRSF25	OGFR-AS1	0.52708	7.25E-40	postive
TNFRSF14	AC004253.1	0.52719	6.94E-40	postive
TNFRSF25	OBSCN-AS1	0.527371	6.46E-40	postive
CD28	AC009133.3	0.527474	6.20E-40	postive
TNFRSF25	HOTAIRM1	0.527511	6.12E-40	postive
TMIGD2	CATIP-AS2	0.527569	5.98E-40	postive

CD86	AC004921.1	0.527595	5.92E-40	postive
LTA	AC090152.1	0.527633	5.83E-40	postive
LTB	AC004687.1	0.527912	5.22E-40	postive
TNFRSF25	AC120053.1	0.527927	5.19E-40	postive
TMIGD2	AL162430.2	0.527959	5.13E-40	postive
TNFRSF14	AC004148.2	0.528051	4.94E-40	postive
CD86	AC098613.1	0.528064	4.92E-40	postive
FASLG	AC090152.1	0.528243	4.58E-40	postive
TNFRSF25	NDUFA6-DT	0.528246	4.58E-40	postive
TNFRSF4	BX255925.1	0.528393	4.32E-40	postive
TNFRSF25	AC027020.2	0.528824	3.64E-40	postive
CTLA4	LINC01943	0.528943	3.47E-40	postive
CTLA4	AP002807.1	0.529014	3.38E-40	postive
PDCD1LG2	AC099850.3	0.529093	3.27E-40	postive
TMIGD2	LINC02541	0.529193	3.14E-40	postive
CTLA4	AC069281.2	0.529197	3.14E-40	postive
TNFRSF17	AC243960.1	0.52932	2.99E-40	postive
TMIGD2	AC022211.1	0.529323	2.99E-40	postive
TNFRSF14	SNHG20	0.529458	2.83E-40	postive
TMIGD2	AC087645.2	0.529529	2.75E-40	postive
CD80	DLEU7-AS1	0.529587	2.69E-40	postive
TNFRSF14	AL161669.3	0.529622	2.65E-40	postive
TNFRSF25	LINC02019	0.529684	2.59E-40	postive
TNFRSF25	AGAP11	0.52983	2.44E-40	postive
TNFRSF25	AC012409.3	0.529928	2.35E-40	postive
CD40LG	LINC01215	0.529933	2.34E-40	postive
PDCD1	LINC02422	0.529961	2.32E-40	postive
TNFRSF13C	AL133467.1	0.530268	2.05E-40	postive
TNFRSF14	AC104809.2	0.530938	1.57E-40	postive
TNFRSF25	AC104758.2	0.531036	1.51E-40	postive
TMIGD2	AL121890.5	0.531058	1.50E-40	postive
TNFRSF25	AL359532.1	0.531461	1.27E-40	postive
TNFRSF25	AC104809.2	0.531597	1.21E-40	postive
TNFRSF14	HRAT92	0.531748	1.14E-40	postive
TNFRSF25	GARS-DT	0.531767	1.13E-40	postive
TNFRSF25	AL161935.1	0.532061	1.00E-40	postive
TNFRSF13C	AC008083.2	0.532161	9.63E-41	postive
TMIGD2	AL021707.2	0.532203	9.47E-41	postive
TNFRSF14	BCRP3	0.532341	8.96E-41	postive
TMIGD2	AL607028.1	0.532415	8.70E-41	postive
TNFRSF4	AL391845.2	0.532484	8.46E-41	postive
TNFRSF14	AL121992.3	0.532515	8.36E-41	postive
TMIGD2	AL139125.1	0.532776	7.53E-41	postive
RELT	AC069281.2	0.532783	7.51E-41	postive
CTLA4	LINC02195	0.532849	7.31E-41	postive
TNFRSF13B	AC243960.1	0.532942	7.04E-41	postive
TNFRSF25	AC016590.1	0.532995	6.89E-41	postive
TNFRSF25	UBE2Q1-AS1	0.533028	6.80E-41	postive
TNFRSF25	AL159169.2	0.533078	6.67E-41	postive
TNFRSF25	AL161669.3	0.533138	6.51E-41	postive
RELT	LINC01943	0.533178	6.41E-41	postive
RELT	AC004771.1	0.533236	6.26E-41	postive
TNFRSF25	AC015961.2	0.533245	6.24E-41	postive
TNFRSF25	AL355488.1	0.533289	6.13E-41	postive
TNFRSF25	AL451050.2	0.53342	5.81E-41	postive
TNFRSF25	U47924.3	0.53384	4.91E-41	postive
TMIGD2	AC005342.2	0.533965	4.67E-41	postive

TMIGD2	AC002128.2	0.534223	4.21E-41	postive
TNFRSF14	PRKCZ-AS1	0.534306	4.07E-41	postive
TMIGD2	AC104667.2	0.53431	4.06E-41	postive
CD80	AC035139.1	0.534441	3.85E-41	postive
TNFRSF25	AC009404.1	0.534529	3.72E-41	postive
TNFRSF1B	AC004865.2	0.534591	3.63E-41	postive
CTLA4	LINC02328	0.534856	3.26E-41	postive
TNFRSF14	PLA2G4C-AS1	0.534982	3.10E-41	postive
TNFRSF17	AC087752.3	0.535106	2.94E-41	postive
TNFRSF14	AL022322.1	0.535114	2.93E-41	postive
TNFRSF1B	AC010247.1	0.535127	2.92E-41	postive
CD40LG	AC006369.1	0.5352	2.84E-41	postive
TNFRSF14	HPN-AS1	0.535211	2.82E-41	postive
CD86	AC018755.4	0.535351	2.67E-41	postive
TMIGD2	AL138921.2	0.535369	2.65E-41	postive
TNFRSF25	AC099568.1	0.535428	2.59E-41	postive
TNFRSF25	AL133410.1	0.53553	2.48E-41	postive
LTA	AL365361.1	0.535749	2.27E-41	postive
TNFSF4	AL139352.1	0.535824	2.20E-41	postive
TMIGD2	AL391261.2	0.536105	1.96E-41	postive
TNFRSF9	AL139352.1	0.536164	1.92E-41	postive
TNFRSF25	AC016026.1	0.536387	1.75E-41	postive
TNFRSF25	AC087289.5	0.536398	1.74E-41	postive
TMIGD2	MIR583HG	0.536439	1.72E-41	postive
LTB	LINC01215	0.536471	1.69E-41	postive
TMIGD2	AC007036.2	0.536539	1.65E-41	postive
TNFRSF18	AC147067.1	0.536573	1.62E-41	postive
TNFSF4	AL135818.1	0.536682	1.55E-41	postive
TMIGD2	LINC01750	0.536864	1.44E-41	postive
TNFSF8	AL365361.1	0.536998	1.37E-41	postive
CTLA4	HLA-DQB1-AS1	0.537173	1.27E-41	postive
LTB	AC012645.3	0.537208	1.25E-41	postive
TNFRSF13C	LINC01215	0.537211	1.25E-41	postive
CTLA4	RRN3P2	0.537392	1.16E-41	postive
TNFRSF1B	AC004585.1	0.537423	1.15E-41	postive
TNFRSF25	AC048341.2	0.537586	1.08E-41	postive
CD274	CASC19	0.537628	1.06E-41	postive
TNFRSF25	BREA2	0.537741	1.01E-41	postive
FASLG	HCP5	0.537818	9.78E-42	postive
TNFRSF25	AC015726.1	0.537847	9.67E-42	postive
TMIGD2	AC008915.2	0.538012	9.04E-42	postive
LTA	LINC01943	0.538022	9.00E-42	postive
TNFRSF25	AC084117.1	0.538047	8.91E-42	postive
TNFRSF25	LINC00173	0.538064	8.85E-42	postive
TNFRSF8	AC124067.2	0.538378	7.78E-42	postive
TMIGD2	AL365295.1	0.538455	7.54E-42	postive
TMIGD2	AC092718.2	0.538806	6.53E-42	postive
TMIGD2	AP000346.1	0.539064	5.88E-42	postive
TNFRSF14	AL359504.2	0.539249	5.45E-42	postive
TMIGD2	AC021188.1	0.539259	5.43E-42	postive
TNFRSF25	IGBP1-AS1	0.539514	4.89E-42	postive
ICOS	AC012645.3	0.539701	4.52E-42	postive
TNFRSF13C	AC104971.3	0.539982	4.03E-42	postive
TNFSF13B	USP30-AS1	0.540028	3.96E-42	postive
TMIGD2	AC090907.2	0.540093	3.85E-42	postive
TMIGD2	RC3H1-IT1	0.540133	3.79E-42	postive
TNFRSF4	SENCR	0.54032	3.51E-42	postive

TNFRSF25	AC008105.1	0.540356	3.46E-42	postive
FASLG	AC010247.1	0.54038	3.42E-42	postive
TNFRSF14	Z69706.1	0.540422	3.36E-42	postive
TNFRSF25	INE1	0.54046	3.31E-42	postive
TNFSF13B	AC011899.3	0.540557	3.18E-42	postive
TNFRSF25	AL008582.1	0.540625	3.09E-42	postive
TMIGD2	AC023355.1	0.540817	2.86E-42	postive
TNFRSF14	AP006284.1	0.540834	2.84E-42	postive
TMIGD2	AL807757.2	0.540835	2.84E-42	postive
TMIGD2	AC015818.2	0.540856	2.81E-42	postive
TNFRSF25	AC044849.1	0.540957	2.70E-42	postive
TNFRSF25	AC090510.2	0.540996	2.66E-42	postive
TNFRSF25	AC087289.1	0.541175	2.47E-42	postive
RELT	AC025857.2	0.541179	2.46E-42	postive
LTB	LINC00528	0.541356	2.29E-42	postive
CTLA4	LINC00937	0.541372	2.27E-42	postive
TNFSF14	AL596223.2	0.541456	2.20E-42	postive
TNFRSF25	GATA6-AS1	0.541485	2.17E-42	postive
TNFRSF25	AL137784.2	0.541571	2.09E-42	postive
TNFRSF25	AC010326.3	0.541829	1.88E-42	postive
TNFRSF25	AC023908.3	0.541849	1.87E-42	postive
TMIGD2	AC145423.3	0.541981	1.77E-42	postive
CD80	BHLHE40-AS1	0.54219	1.62E-42	postive
TNFRSF25	MCCC1-AS1	0.542313	1.54E-42	postive
FASLG	AC243829.1	0.542375	1.50E-42	postive
CD28	AL590764.1	0.542436	1.46E-42	postive
CTLA4	AL158071.3	0.542514	1.42E-42	postive
TNFRSF25	LINC00685	0.542576	1.38E-42	postive
TNFRSF25	AP4B1-AS1	0.542616	1.36E-42	postive
TNFRSF25	ATP2C2-AS1	0.54301	1.15E-42	postive
TNFSF4	LINC00158	0.543012	1.15E-42	postive
LTB	TRG-AS1	0.543102	1.11E-42	postive
TNFSF8	TRG-AS1	0.54315	1.09E-42	postive
TNFRSF25	AL512791.1	0.543199	1.07E-42	postive
CD80	AC025857.2	0.543207	1.06E-42	postive
TMIGD2	AP001160.4	0.543293	1.03E-42	postive
TMIGD2	AC008731.1	0.543302	1.02E-42	postive
TMIGD2	AC124303.1	0.54331	1.02E-42	postive
CD40LG	PCED1B-AS1	0.543536	9.27E-43	postive
LTB	AL135818.1	0.543739	8.52E-43	postive
TNFRSF25	GRPEL2-AS1	0.543879	8.04E-43	postive
CTLA4	AC008750.1	0.543907	7.94E-43	postive
TMIGD2	AC048382.1	0.54405	7.48E-43	postive
TNFRSF25	AC092809.4	0.544278	6.80E-43	postive
TNFRSF25	AL731571.1	0.544573	6.02E-43	postive
TNFRSF14	AL121845.4	0.544601	5.95E-43	postive
TNFSF4	AC243829.4	0.544712	5.68E-43	postive
TNFRSF18	LINC01871	0.544957	5.12E-43	postive
TMIGD2	AC010149.1	0.54499	5.05E-43	postive
TNFRSF25	AL031282.2	0.545054	4.92E-43	postive
CD80	PCED1B-AS1	0.545147	4.73E-43	postive
TNFRSF25	AC139530.1	0.545147	4.73E-43	postive
TMIGD2	LIX1L-AS1	0.545176	4.68E-43	postive
TNFRSF25	MIR210HG	0.545301	4.44E-43	postive
TMIGD2	AL118511.1	0.545403	4.25E-43	postive
RELT	AC004865.2	0.545584	3.94E-43	postive
FASLG	AL135818.2	0.545612	3.90E-43	postive

TNFRSF25	AP001458.1	0.545654	3.83E-43	postive
TMIGD2	AC012360.2	0.545677	3.79E-43	postive
TNFRSF14	AC004918.1	0.545696	3.76E-43	postive
LTB	LINC02422	0.545749	3.68E-43	postive
TNFRSF25	Z84485.1	0.545847	3.53E-43	postive
TNFRSF18	AC012236.1	0.545983	3.33E-43	postive
TNFRSF14	AL136304.1	0.546091	3.19E-43	postive
TMIGD2	DAPK1-IT1	0.546219	3.02E-43	postive
TNFRSF1B	TRG-AS1	0.546377	2.83E-43	postive
TNFRSF25	AC092119.2	0.546388	2.81E-43	postive
TNFSF8	PCED1B-AS1	0.546816	2.35E-43	postive
LTB	LINC02084	0.546833	2.33E-43	postive
TMIGD2	LINC02084	0.54728	1.93E-43	postive
TNFRSF14	ZNF213-AS1	0.547539	1.73E-43	postive
TNFRSF9	MIR155HG	0.5476	1.69E-43	postive
TNFRSF14	AC024337.2	0.547667	1.64E-43	postive
TNFRSF25	AC087500.1	0.547924	1.47E-43	postive
TNFRSF4	AL355803.1	0.54829	1.26E-43	postive
TNFRSF25	AC087481.3	0.548361	1.22E-43	postive
TMIGD2	AP001010.1	0.548668	1.08E-43	postive
TNFRSF25	AC073611.1	0.548731	1.05E-43	postive
TNFRSF25	AC010245.2	0.548811	1.01E-43	postive
FASLG	AL132642.1	0.549009	9.31E-44	postive
TMIGD2	AC087501.4	0.549092	8.99E-44	postive
TNFRSF25	AC024060.1	0.549341	8.09E-44	postive
TMIGD2	AC006270.1	0.549384	7.94E-44	postive
LTB	AL391069.3	0.549491	7.59E-44	postive
TMIGD2	AC073592.1	0.549499	7.56E-44	postive
ICOS	PSMB8-AS1	0.549501	7.56E-44	postive
LTB	AC022182.2	0.549567	7.35E-44	postive
TNFRSF14	AC078864.1	0.549602	7.24E-44	postive
TNFRSF17	LINC02422	0.549809	6.63E-44	postive
TNFRSF14	AC012615.6	0.549851	6.51E-44	postive
TMIGD2	AL161909.2	0.549896	6.39E-44	postive
TNFRSF8	AC099786.1	0.549916	6.34E-44	postive
TNFRSF25	AC007566.1	0.549932	6.29E-44	postive
TNFRSF25	AC127521.1	0.549953	6.24E-44	postive
TNFRSF25	AP000892.2	0.549987	6.15E-44	postive
TMIGD2	AP001029.1	0.550096	5.87E-44	postive
TNFRSF25	AL109741.1	0.550141	5.76E-44	postive
TMIGD2	AC100861.1	0.550163	5.70E-44	postive
CD80	LINC01934	0.550221	5.56E-44	postive
TNFRSF25	AL022238.3	0.550294	5.39E-44	postive
TNFRSF25	AL138921.1	0.550392	5.17E-44	postive
PDCD1	PSMB8-AS1	0.550392	5.17E-44	postive
TNFRSF13C	AC243960.1	0.550397	5.16E-44	postive
TMIGD2	AL031848.1	0.550408	5.14E-44	postive
CD28	AC007728.2	0.550568	4.80E-44	postive
TNFRSF25	AC104463.2	0.550887	4.19E-44	postive
TMIGD2	LINC00299	0.550919	4.13E-44	postive
TNFRSF25	AL121852.1	0.550983	4.02E-44	postive
TMIGD2	AL133243.1	0.551035	3.93E-44	postive
RELT	LINC00528	0.551119	3.79E-44	postive
TNFRSF25	AC104964.3	0.551125	3.78E-44	postive
TNFRSF25	AC012645.3	0.551152	3.74E-44	postive
TMIGD2	AC078962.1	0.551568	3.13E-44	postive
TNFRSF25	Z97832.2	0.55157	3.13E-44	postive

ICOS	AL139352.1	0.551633	3.05E-44	postive
TNFRSF25	MIR3936HG	0.551819	2.81E-44	postive
TNFRSF25	AL592211.1	0.551921	2.69E-44	postive
TNFRSF25	AL021707.1	0.552055	2.54E-44	postive
TMIGD2	PGM5P4-AS1	0.552101	2.49E-44	postive
LTA	ITGB2-AS1	0.552189	2.40E-44	postive
CTLA4	LINC02363	0.552223	2.37E-44	postive
TNFSF8	AC243829.4	0.552381	2.21E-44	postive
TNFRSF25	AL133406.2	0.552387	2.21E-44	postive
TNFSF13B	AL365361.1	0.552468	2.13E-44	postive
TNFRSF25	AL354760.1	0.552543	2.06E-44	postive
TNFRSF9	HCP5	0.552557	2.05E-44	postive
CTLA4	AL365361.1	0.552649	1.97E-44	postive
TNFRSF4	AL359853.1	0.55273	1.90E-44	postive
TNFRSF25	AC024337.2	0.552739	1.90E-44	postive
RELT	AP002807.1	0.552758	1.88E-44	postive
TNFSF13B	AC004585.1	0.552922	1.75E-44	postive
TMIGD2	AC084357.2	0.553136	1.60E-44	postive
CD80	RRN3P2	0.553141	1.60E-44	postive
LTB	LINC00892	0.553184	1.57E-44	postive
TNFRSF14	MHENCN	0.553241	1.53E-44	postive
TNFRSF13C	LINC02422	0.553482	1.38E-44	postive
TMIGD2	AC009630.1	0.553544	1.34E-44	postive
TMIGD2	AL358472.3	0.553713	1.25E-44	postive
TNFSF8	AL591468.1	0.553846	1.18E-44	postive
TNFRSF1B	AC007728.2	0.553889	1.16E-44	postive
CD86	AC007728.2	0.554031	1.09E-44	postive
CD28	AL135818.1	0.554057	1.08E-44	postive
TMIGD2	AC011481.2	0.554166	1.03E-44	postive
LTB	ITGB2-AS1	0.554247	9.91E-45	postive
TNFRSF25	AC106782.6	0.554488	8.93E-45	postive
TMIGD2	LINC01786	0.554523	8.80E-45	postive
TNFRSF25	AL096701.3	0.554585	8.57E-45	postive
TNFRSF25	LINC01311	0.554655	8.31E-45	postive
TNFRSF14	LINC01569	0.555036	7.05E-45	postive
TMIGD2	FLVCR1-DT	0.555089	6.89E-45	postive
TNFRSF25	AC020558.2	0.555123	6.79E-45	postive
TMIGD2	CDKN2B-AS1	0.555464	5.86E-45	postive
TMIGD2	AC055713.1	0.555754	5.17E-45	postive
TNFRSF25	AC017083.1	0.556029	4.59E-45	postive
TNFRSF14	AC245052.4	0.556088	4.47E-45	postive
TMIGD2	AC145343.1	0.556179	4.30E-45	postive
FASLG	LINC00861	0.556182	4.29E-45	postive
TNFRSF25	AC005840.2	0.556399	3.90E-45	postive
CD80	AL133371.2	0.556455	3.81E-45	postive
TNFRSF25	KDM4A-AS1	0.556527	3.69E-45	postive
CD80	CELF2-AS1	0.55654	3.67E-45	postive
LTA	AC079015.1	0.556544	3.67E-45	postive
FASLG	AC006369.1	0.55671	3.41E-45	postive
TNFRSF25	AC018653.3	0.556776	3.31E-45	postive
TMIGD2	AC078883.2	0.55684	3.22E-45	postive
TNFRSF25	AC034236.2	0.556913	3.12E-45	postive
TMIGD2	AC091212.1	0.556955	3.07E-45	postive
LTA	LINC00861	0.556966	3.05E-45	postive
TNFRSF25	AP001453.1	0.557213	2.74E-45	postive
TNFRSF25	AC244197.2	0.557257	2.69E-45	postive
TMIGD2	AL136295.2	0.557294	2.64E-45	postive

TMIGD2	AL078587.1	0.557429	2.49E-45	postive
TMIGD2	AC011978.2	0.557549	2.37E-45	postive
TNFRSF25	AC004832.6	0.557594	2.32E-45	postive
TNFRSF25	UTAT33	0.557596	2.32E-45	postive
TMIGD2	PRR7-AS1	0.557604	2.31E-45	postive
TMIGD2	AC084809.1	0.557855	2.07E-45	postive
TNFRSF13C	IFNG-AS1	0.557953	1.98E-45	postive
TNFRSF25	AL671710.1	0.557989	1.95E-45	postive
TNFRSF25	AP006621.2	0.558044	1.91E-45	postive
TMIGD2	AC011479.2	0.558047	1.90E-45	postive
TNFRSF25	AP002490.1	0.558534	1.54E-45	postive
LTA	LINC02422	0.558714	1.42E-45	postive
CTLA4	AC004687.1	0.558811	1.36E-45	postive
TMIGD2	AC005759.1	0.558817	1.36E-45	postive
TNFRSF25	PXN-AS1	0.55882	1.36E-45	postive
TNFRSF25	AC073842.2	0.558867	1.33E-45	postive
TMIGD2	WWTR1-IT1	0.558889	1.32E-45	postive
TNFSF4	TRG-AS1	0.558928	1.30E-45	postive
CD80	AC138207.5	0.559096	1.20E-45	postive
TNFRSF25	AC010542.5	0.559108	1.20E-45	postive
TMIGD2	SLC16A1-AS1	0.559325	1.09E-45	postive
VTCN1	AC004846.1	0.559408	1.05E-45	postive
TNFRSF25	AC010761.1	0.55954	9.90E-46	postive
TNFRSF14	U62317.2	0.559643	9.46E-46	postive
CD86	AL133371.2	0.559884	8.51E-46	postive
TNFRSF25	PHKA2-AS1	0.560036	7.96E-46	postive
TNFRSF25	AC005899.6	0.560069	7.85E-46	postive
CTLA4	FO393401.1	0.560111	7.70E-46	postive
TNFSF8	AL590764.1	0.560177	7.48E-46	postive
TNFRSF25	Z99916.1	0.560217	7.35E-46	postive
TNFRSF25	AC127024.6	0.560359	6.90E-46	postive
LTB	AC147067.1	0.560474	6.56E-46	postive
TNFRSF25	AL031709.1	0.560793	5.70E-46	postive
LTB	LINC01871	0.560829	5.61E-46	postive
PDCD1LG2	AC004816.2	0.560911	5.41E-46	postive
LTA	AC068196.1	0.561003	5.20E-46	postive
TNFRSF11A	AC010247.2	0.561232	4.70E-46	postive
VTCN1	ERVE-1	0.561236	4.69E-46	postive
TNFRSF25	AL096865.1	0.56125	4.66E-46	postive
TMIGD2	AC015689.1	0.561251	4.66E-46	postive
TNFRSF25	NALT1	0.561387	4.39E-46	postive
CD86	AC145098.1	0.561498	4.18E-46	postive
TNFRSF25	AL359921.1	0.561553	4.08E-46	postive
TMIGD2	AC106028.3	0.561558	4.07E-46	postive
RELT	AC012645.3	0.561719	3.79E-46	postive
TMIGD2	AC244021.1	0.562238	3.01E-46	postive
TNFRSF14	AP000345.2	0.562396	2.81E-46	postive
TMIGD2	AL049539.1	0.562426	2.77E-46	postive
VTCN1	LINC00686	0.562546	2.63E-46	postive
TNFRSF9	AC243960.1	0.562608	2.55E-46	postive
TNFRSF25	AC145285.6	0.56265	2.51E-46	postive
RELT	AC007728.2	0.562706	2.45E-46	postive
TNFRSF25	AC008735.1	0.56278	2.37E-46	postive
CD80	AL135818.1	0.562829	2.32E-46	postive
TNFSF8	LINC00426	0.563203	1.96E-46	postive
TNFRSF14	AC009974.1	0.563291	1.89E-46	postive
TNFRSF25	AC002059.1	0.563578	1.66E-46	postive

CD80	AC011899.2	0.563932	1.42E-46	postive
TMIGD2	AC114980.1	0.563981	1.39E-46	postive
TNFRSF25	AC124944.1	0.564005	1.37E-46	postive
TMIGD2	AL158825.2	0.564009	1.37E-46	postive
TMIGD2	AC104463.2	0.564245	1.23E-46	postive
TNFRSF25	AP001010.1	0.564322	1.19E-46	postive
TNFRSF25	AC024075.2	0.564504	1.10E-46	postive
TNFRSF25	AL049840.4	0.564536	1.08E-46	postive
LTA	LINC01871	0.5646	1.05E-46	postive
TNFSF13B	AC018755.4	0.565144	8.25E-47	postive
TNFRSF25	AL158212.2	0.565177	8.13E-47	postive
TMIGD2	AP003419.3	0.565239	7.91E-47	postive
TNFRSF25	AC055713.1	0.565251	7.86E-47	postive
TNFSF8	AC007728.2	0.565355	7.50E-47	postive
TNFRSF25	AC008735.4	0.56557	6.82E-47	postive
TMIGD2	AC116348.1	0.565587	6.77E-47	postive
TMIGD2	AC026741.1	0.565596	6.74E-47	postive
TNFRSF25	CAPN10-DT	0.565764	6.25E-47	postive
TNFRSF25	LINC00487	0.565782	6.20E-47	postive
TNFRSF25	AC100793.3	0.56597	5.70E-47	postive
TNFRSF1B	AC090559.1	0.566027	5.55E-47	postive
TNFRSF14	AC004846.2	0.566072	5.44E-47	postive
CD86	LINC01150	0.566082	5.42E-47	postive
ICOS	AC006369.1	0.566178	5.19E-47	postive
TNFRSF17	IFNG-AS1	0.566571	4.35E-47	postive
TNFRSF14	AL139287.1	0.566593	4.31E-47	postive
TNFRSF14	AC022144.1	0.566727	4.05E-47	postive
PDCD1	LINC00539	0.56681	3.91E-47	postive
TNFRSF14	AC105020.6	0.566825	3.88E-47	postive
CD80	FO393401.1	0.56683	3.87E-47	postive
TNFSF13B	AC007728.2	0.567028	3.54E-47	postive
TMIGD2	LINC01376	0.567288	3.15E-47	postive
TMIGD2	LINC02487	0.567409	2.98E-47	postive
TNFRSF25	AC084876.1	0.567497	2.87E-47	postive
CD80	AC091057.1	0.567512	2.85E-47	postive
TNFRSF25	AC002553.1	0.567621	2.71E-47	postive
CTLA4	U62317.2	0.567663	2.66E-47	postive
TNFRSF25	AP003352.1	0.567672	2.65E-47	postive
LTA	AL135818.2	0.567705	2.61E-47	postive
PDCD1	AC012645.3	0.567776	2.53E-47	postive
TMIGD2	AC114956.2	0.567811	2.49E-47	postive
TMIGD2	AL731569.1	0.567875	2.42E-47	postive
TNFRSF25	AC006064.3	0.567976	2.31E-47	postive
FASLG	AC087318.1	0.567999	2.28E-47	postive
LTB	LINC01943	0.568033	2.25E-47	postive
CD80	AC007000.3	0.568174	2.11E-47	postive
TNFRSF25	Z82188.2	0.568229	2.06E-47	postive
TNFRSF8	LINC01686	0.568236	2.05E-47	postive
TMIGD2	AC024941.2	0.568273	2.02E-47	postive
TMIGD2	AC137932.3	0.56836	1.94E-47	postive
LTA	MIR155HG	0.568475	1.84E-47	postive
PDCD1LG2	AC004825.2	0.568575	1.76E-47	postive
TMIGD2	AC127024.2	0.568642	1.71E-47	postive
TNFRSF25	AC004951.4	0.568682	1.68E-47	postive
TNFRSF1B	AC011899.3	0.569135	1.37E-47	postive
TNFRSF14	STAG3L5P-PVRIG2P-PILRB	0.569146	1.36E-47	postive
TNFRSF25	AL008729.2	0.569199	1.33E-47	postive

TNFRSF14	AL353622.1	0.569313	1.26E-47	postive
TMIGD2	SUCLA2-AS1	0.569453	1.18E-47	postive
TMIGD2	AC004921.1	0.569454	1.18E-47	postive
TNFSF4	AC022126.1	0.569492	1.16E-47	postive
TNFRSF25	AC007292.1	0.569589	1.11E-47	postive
LTA	AC011899.2	0.569696	1.06E-47	postive
TNFRSF25	AC084824.5	0.569765	1.03E-47	postive
CD80	LINC00158	0.569803	1.01E-47	postive
TMIGD2	WNT5A-AS1	0.569897	9.66E-48	postive
TNFRSF25	AL121987.2	0.57001	9.18E-48	postive
LTA	LINC00539	0.570371	7.78E-48	postive
CD40LG	LINC02273	0.570467	7.45E-48	postive
TNFRSF25	AC012360.3	0.570746	6.56E-48	postive
TNFSF4	LINC00426	0.571083	5.62E-48	postive
TMIGD2	AC009950.1	0.571392	4.88E-48	postive
TNFRSF25	HCG27	0.571421	4.82E-48	postive
CD80	AC243829.4	0.571532	4.58E-48	postive
CD28	AC243829.4	0.571882	3.90E-48	postive
TNFRSF25	AC004034.1	0.572183	3.40E-48	postive
TNFRSF25	HPN-AS1	0.572275	3.26E-48	postive
TMIGD2	AC008514.1	0.572432	3.03E-48	postive
PDCD1	TSPOAP1-AS1	0.572574	2.84E-48	postive
TNFRSF25	AC116914.2	0.572624	2.78E-48	postive
TMIGD2	AC002059.1	0.572726	2.65E-48	postive
CTLA4	TNRC6C-AS1	0.572779	2.59E-48	postive
TMIGD2	AC132192.1	0.572863	2.49E-48	postive
TMIGD2	PRC1-AS1	0.573001	2.33E-48	postive
TMIGD2	AC074032.1	0.573164	2.17E-48	postive
TNFRSF25	PLA2G4C-AS1	0.57335	1.99E-48	postive
TMIGD2	AC018557.2	0.573667	1.72E-48	postive
TNFRSF25	AC015813.1	0.573777	1.63E-48	postive
TNFRSF25	TPT1-AS1	0.573952	1.51E-48	postive
TNFRSF25	AP001107.4	0.574049	1.44E-48	postive
TMIGD2	AC022613.2	0.574217	1.33E-48	postive
TNFRSF14	AC040162.3	0.574261	1.31E-48	postive
TNFRSF12A	AC093673.1	0.574389	1.23E-48	postive
CD80	AC087318.1	0.574457	1.19E-48	postive
TMIGD2	Z93241.1	0.575001	9.28E-49	postive
CD80	TRG-AS1	0.575208	8.43E-49	postive
TMIGD2	LINC01934	0.5753	8.08E-49	postive
TNFRSF25	ZNF32-AS1	0.575387	7.76E-49	postive
CD28	LINC00426	0.575412	7.67E-49	postive
TMIGD2	AC022154.1	0.575474	7.45E-49	postive
TNFRSF25	AC009133.1	0.575794	6.42E-49	postive
TNFRSF9	AC090152.1	0.575876	6.18E-49	postive
TMIGD2	AC105339.2	0.575942	6.00E-49	postive
TNFRSF25	AC015660.3	0.576157	5.43E-49	postive
TMIGD2	AP000688.1	0.576509	4.61E-49	postive
LTA	AC010247.1	0.576546	4.53E-49	postive
TNFRSF25	LINC00921	0.576688	4.24E-49	postive
TNFRSF25	AC008870.2	0.57693	3.79E-49	postive
CTLA4	LINC01871	0.577052	3.58E-49	postive
PDCD1LG2	AC004816.1	0.577092	3.51E-49	postive
TMIGD2	AL121890.4	0.577131	3.45E-49	postive
TMIGD2	AC037198.2	0.577141	3.43E-49	postive
TNFRSF14	AC139530.1	0.577218	3.31E-49	postive
TNFRSF14	AL022328.1	0.5777	2.64E-49	postive

TNFRSF25	NARF-IT1	0.577798	2.53E-49	postive
PDCD1	MIR155HG	0.57781	2.51E-49	postive
TNFSF13B	LINC00426	0.577828	2.49E-49	postive
TNFRSF17	AC109446.3	0.577857	2.46E-49	postive
CD28	TRG-AS1	0.577885	2.43E-49	postive
TNFRSF13C	LINC02362	0.578658	1.69E-49	postive
TNFRSF25	AL136304.1	0.578663	1.68E-49	postive
TNFRSF25	AL390066.1	0.578695	1.66E-49	postive
ICOS	AC079015.1	0.578841	1.55E-49	postive
RELT	AC008105.3	0.578902	1.51E-49	postive
TNFRSF14	RUSC1-AS1	0.578918	1.49E-49	postive
TNFRSF25	LINC01355	0.579086	1.38E-49	postive
TNFRSF25	FAM13A-AS1	0.579087	1.38E-49	postive
TNFRSF25	AC008760.1	0.579262	1.27E-49	postive
TNFSF8	AL161785.1	0.579307	1.25E-49	postive
CTLA4	AC067945.3	0.579432	1.17E-49	postive
TMIGD2	AP000229.1	0.579503	1.14E-49	postive
TNFRSF25	AP001029.1	0.579511	1.13E-49	postive
TNFRSF25	AC093752.3	0.579641	1.06E-49	postive
CD86	AC002091.2	0.579733	1.02E-49	postive
TNFRSF25	ASB16-AS1	0.579785	9.95E-50	postive
TMIGD2	AC074029.3	0.580164	8.32E-50	postive
TMIGD2	AC060766.6	0.580524	7.02E-50	postive
TNFRSF9	AL158071.3	0.580552	6.93E-50	postive
TMIGD2	AC012676.4	0.580851	6.02E-50	postive
TNFRSF25	AC116667.1	0.580892	5.90E-50	postive
TNFRSF25	RNF139-AS1	0.580955	5.73E-50	postive
PDCD1	AL591468.1	0.581028	5.53E-50	postive
TMIGD2	AL583856.2	0.581094	5.36E-50	postive
VTCN1	LINC00092	0.581333	4.79E-50	postive
TNFRSF25	DM1-AS	0.581335	4.79E-50	postive
TNFRSF18	AC109446.3	0.581403	4.63E-50	postive
TNFRSF25	LINC00106	0.581457	4.52E-50	postive
TMIGD2	AC004951.1	0.581927	3.61E-50	postive
TNFRSF14	AC109460.3	0.582217	3.15E-50	postive
TNFRSF25	AC073575.2	0.582441	2.83E-50	postive
TMIGD2	AC025682.1	0.582826	2.36E-50	postive
TNFSF13B	TRG-AS1	0.582985	2.19E-50	postive
TNFRSF25	AL606760.2	0.583037	2.13E-50	postive
TNFRSF25	AP006284.1	0.583088	2.08E-50	postive
PDCD1LG2	PICSAR	0.583127	2.04E-50	postive
TMIGD2	AC137630.1	0.583267	1.91E-50	postive
TNFRSF25	AL390728.6	0.583281	1.90E-50	postive
EDAR	UCA1	0.583445	1.76E-50	postive
TNFRSF25	AC095057.3	0.583453	1.75E-50	postive
TNFRSF14	HCG27	0.583573	1.65E-50	postive
TNFRSF25	AL117379.1	0.583692	1.56E-50	postive
TNFRSF25	AC009690.2	0.583764	1.51E-50	postive
TNFRSF25	AP006623.1	0.5839	1.41E-50	postive
ICOS	AL158071.3	0.583987	1.36E-50	postive
TNFRSF25	AL158834.2	0.584186	1.23E-50	postive
CD80	AL590764.1	0.584333	1.15E-50	postive
TNFRSF13C	AC007569.1	0.584406	1.11E-50	postive
TMIGD2	AC022211.3	0.584466	1.08E-50	postive
TNFRSF13C	AC104699.1	0.584901	8.76E-51	postive
TNFRSF17	PCED1B-AS1	0.585178	7.67E-51	postive
TNFRSF14	AC027601.1	0.585351	7.06E-51	postive

TMIGD2	STK32A-AS1	0.58536	7.03E-51	postive
TMIGD2	LINC00862	0.585366	7.01E-51	postive
TNFRSF25	AL359504.2	0.585481	6.63E-51	postive
TNFRSF9	AC009133.3	0.585535	6.46E-51	postive
TMIGD2	AC016027.2	0.585705	5.96E-51	postive
CD80	TSPOAP1-AS1	0.585778	5.75E-51	postive
TMIGD2	AC025871.2	0.585935	5.33E-51	postive
CD80	AC083949.1	0.586389	4.28E-51	postive
TNFRSF25	AC105020.6	0.586392	4.28E-51	postive
TNFRSF14	CR559946.2	0.586789	3.53E-51	postive
TMIGD2	AL121999.1	0.587081	3.07E-51	postive
TNFRSF25	AC010327.5	0.587105	3.03E-51	postive
ICOS	AC068196.1	0.58727	2.80E-51	postive
TNFRSF25	AC109460.2	0.587535	2.47E-51	postive
TNFRSF1B	AC145098.1	0.587726	2.25E-51	postive
TNFRSF25	ZEB2-AS1	0.587796	2.17E-51	postive
TNFRSF13C	AC007384.1	0.587948	2.02E-51	postive
TMIGD2	AL121944.1	0.588098	1.88E-51	postive
TMIGD2	AP001628.1	0.588143	1.84E-51	postive
VTCN1	LINC00511	0.588294	1.71E-51	postive
TMIGD2	AC005324.5	0.588506	1.54E-51	postive
TMIGD2	AC103923.1	0.58866	1.43E-51	postive
LTB	USP30-AS1	0.588948	1.24E-51	postive
TMIGD2	AC026495.1	0.588951	1.24E-51	postive
CTLA4	AL683807.1	0.588979	1.22E-51	postive
TNFRSF14	AC104964.3	0.589075	1.17E-51	postive
VTCN1	AL357033.2	0.589194	1.10E-51	postive
TNFRSF9	LINC00539	0.589228	1.08E-51	postive
CD80	AC004494.1	0.589633	8.91E-52	postive
TNFRSF25	PSMA3-AS1	0.590116	7.04E-52	postive
TMIGD2	AL354892.3	0.590236	6.64E-52	postive
TNFRSF25	CCDC18-AS1	0.590443	6.00E-52	postive
LTB	AC009133.3	0.590502	5.83E-52	postive
TMIGD2	AC096733.2	0.59065	5.42E-52	postive
CD80	LINC01094	0.591308	3.93E-52	postive
CTLA4	AC015911.3	0.591924	2.90E-52	postive
TNFRSF13	LINC02038	0.591961	2.85E-52	postive
CTLA4	AC109446.3	0.592009	2.79E-52	postive
PDCD1LG2	LINC00941	0.592101	2.66E-52	postive
TNFRSF14	AC005306.1	0.592521	2.17E-52	postive
TNFRSF25	AC073655.2	0.592705	1.98E-52	postive
CTLA4	AL139352.1	0.592747	1.94E-52	postive
VTCN1	AC241644.2	0.593056	1.66E-52	postive
TMIGD2	RHOA-IT1	0.593111	1.62E-52	postive
FASLG	AC068196.1	0.593111	1.62E-52	postive
TNFRSF25	LINC01772	0.593211	1.54E-52	postive
TMIGD2	ATP2B1-AS1	0.593558	1.30E-52	postive
TMIGD2	USP2-AS1	0.593721	1.20E-52	postive
TMIGD2	AP001107.1	0.593751	1.18E-52	postive
TMIGD2	AC099778.1	0.593824	1.14E-52	postive
CTLA4	AC068196.1	0.594097	9.95E-53	postive
TMIGD2	LINC02273	0.594504	8.14E-53	postive
TMIGD2	LINC02081	0.594916	6.64E-53	postive
TNFRSF25	AC010973.2	0.595103	6.05E-53	postive
TNFRSF25	AC092375.2	0.595143	5.93E-53	postive
TNFRSF25	AL021707.8	0.595483	5.01E-53	postive
PDCD1	AL158071.3	0.595896	4.08E-53	postive

TNFRSF25	AC022144.1	0.596077	3.72E-53	postive
TMIGD2	FAM66C	0.596101	3.68E-53	postive
TMIGD2	Z84484.1	0.596186	3.53E-53	postive
TNFRSF25	RFPL3S	0.596198	3.51E-53	postive
TNFRSF25	AC012617.1	0.596201	3.50E-53	postive
TNFRSF25	HOXB-AS1	0.59631	3.32E-53	postive
TNFRSF25	AC087500.2	0.59668	2.76E-53	postive
TNFRSF25	AC026471.4	0.596984	2.37E-53	postive
TNFRSF25	AL590666.1	0.597495	1.83E-53	postive
TNFRSF25	AC074117.1	0.59756	1.78E-53	postive
TNFRSF25	AC004846.2	0.597742	1.62E-53	postive
REL1	PCED1B-AS1	0.597807	1.57E-53	postive
TMIGD2	AL391095.1	0.597912	1.49E-53	postive
VTCN1	AC023669.1	0.598018	1.41E-53	postive
TNFRSF25	AL031186.1	0.598037	1.40E-53	postive
TNFRSF8	AC112721.2	0.598074	1.37E-53	postive
TNFRSF25	AL139123.1	0.598148	1.32E-53	postive
CTLA4	AC079015.1	0.598303	1.22E-53	postive
TNFRSF1B	AC002091.1	0.598367	1.18E-53	postive
TMIGD2	AP002812.5	0.598404	1.16E-53	postive
CD28	AC004585.1	0.598499	1.11E-53	postive
TNFRSF13C	LINC00926	0.598572	1.07E-53	postive
TNFRSF25	AL353622.1	0.598631	1.04E-53	postive
TNFRSF8	AC006033.2	0.598798	9.54E-54	postive
TMIGD2	AC040977.1	0.598816	9.46E-54	postive
TNFRSF25	AL590096.1	0.598895	9.09E-54	postive
TNFRSF14	KMT2E-AS1	0.598925	8.95E-54	postive
TNFRSF25	TTC28-AS1	0.598979	8.71E-54	postive
TNFRSF25	AL662797.1	0.599088	8.25E-54	postive
PDCD1	AC009133.3	0.599096	8.21E-54	postive
TNFRSF25	YEATS2-AS1	0.599131	8.07E-54	postive
ICOS	AL365361.1	0.59917	7.91E-54	postive
TMIGD2	AL008726.1	0.599422	6.97E-54	postive
LTA	AC006369.1	0.599491	6.73E-54	postive
TNFRSF25	ZKSCAN2-DT	0.599611	6.33E-54	postive
TNFRSF25	AC135178.1	0.599638	6.25E-54	postive
TNFRSF25	LINC01786	0.599645	6.23E-54	postive
TNFRSF25	AC010319.4	0.600279	4.52E-54	postive
TMIGD2	LINC02416	0.60029	4.50E-54	postive
LTB	AC243960.1	0.600468	4.11E-54	postive
TNFRSF25	AC103691.1	0.600597	3.85E-54	postive
LTA	AC243829.2	0.600641	3.76E-54	postive
TMIGD2	AC007216.2	0.600681	3.69E-54	postive
TNFRSF14	AC254562.3	0.600864	3.36E-54	postive
TMIGD2	AC016257.1	0.601204	2.83E-54	postive
TNFRSF25	ASMTL-AS1	0.601215	2.81E-54	postive
FASLG	AL158071.3	0.60126	2.75E-54	postive
CD28	PCED1B-AS1	0.601627	2.28E-54	postive
TMIGD2	AC063943.1	0.601737	2.16E-54	postive
CTLA4	AC004771.1	0.601791	2.10E-54	postive
TNFRSF14	AL136295.7	0.602217	1.69E-54	postive
TMIGD2	AC025171.3	0.602512	1.46E-54	postive
PDCD1	LINC00158	0.60272	1.31E-54	postive
TNFRSF13C	LINC00582	0.602752	1.29E-54	postive
FASLG	AL139352.1	0.60283	1.24E-54	postive
TNFRSF25	AC234582.1	0.602843	1.23E-54	postive
TNFRSF25	AC048341.1	0.603101	1.08E-54	postive

TNFRSF25	AC009120.2	0.603188	1.03E-54	postive
TNFRSF25	AL021707.3	0.603313	9.67E-55	postive
FASLG	AC079015.1	0.603525	8.68E-55	postive
TMIGD2	AC114956.1	0.603605	8.33E-55	postive
LTB	AC109446.3	0.603637	8.20E-55	postive
TNFRSF25	ZNF213-AS1	0.603833	7.41E-55	postive
ICOS	LINC00861	0.603851	7.35E-55	postive
TMIGD2	AC010336.2	0.60389	7.20E-55	postive
TNFRSF25	BACE1-AS	0.603998	6.81E-55	postive
TMIGD2	AC073517.1	0.604004	6.79E-55	postive
TNFRSF25	MIR503HG	0.604264	5.94E-55	postive
CTLA4	AL591468.1	0.604335	5.73E-55	postive
TMIGD2	AC135178.5	0.604458	5.38E-55	postive
CTLA4	AC006369.1	0.604469	5.35E-55	postive
TNFRSF25	LINC00528	0.604507	5.25E-55	postive
TMIGD2	AP003086.2	0.605129	3.81E-55	postive
TMIGD2	AL356299.2	0.605205	3.67E-55	postive
TMIGD2	LINC00843	0.605339	3.42E-55	postive
TNFRSF25	AC005674.2	0.605484	3.18E-55	postive
TNFRSF25	AL136295.2	0.60569	2.86E-55	postive
TMIGD2	AL139289.2	0.605717	2.82E-55	postive
TNFRSF25	AC010976.2	0.605821	2.67E-55	postive
TMIGD2	AC005096.1	0.606073	2.34E-55	postive
TNFRSF14	ZEB2-AS1	0.606182	2.22E-55	postive
TNFRSF14	AC114730.3	0.606533	1.85E-55	postive
TNFRSF25	AC004466.1	0.606577	1.81E-55	postive
TNFRSF14	AL513320.1	0.606917	1.52E-55	postive
TNFRSF25	AC005253.1	0.60693	1.50E-55	postive
TMIGD2	AL591845.1	0.607042	1.42E-55	postive
TMIGD2	AC022400.1	0.60716	1.34E-55	postive
TMIGD2	AC108134.2	0.60729	1.25E-55	postive
TNFRSF14	AC087741.1	0.607506	1.12E-55	postive
TNFRSF25	AC004687.1	0.607512	1.11E-55	postive
TMIGD2	MZF1-AS1	0.6076	1.06E-55	postive
TNFRSF25	AC104564.3	0.607829	9.44E-56	postive
TNFRSF25	PTOV1-AS1	0.608118	8.13E-56	postive
TNFRSF25	AC022167.2	0.608161	7.95E-56	postive
PDCD1	AL590764.1	0.608278	7.48E-56	postive
TMIGD2	AC034102.5	0.608353	7.19E-56	postive
TNFRSF25	AC245884.8	0.608782	5.75E-56	postive
TMIGD2	AL359541.1	0.608837	5.59E-56	postive
TNFRSF25	AC016957.2	0.608963	5.23E-56	postive
TNFRSF25	IBA57-DT	0.609062	4.97E-56	postive
TNFRSF14	AC009133.1	0.609454	4.05E-56	postive
TMIGD2	AC245884.9	0.609465	4.03E-56	postive
TNFRSF25	AC092143.3	0.6096	3.75E-56	postive
TMIGD2	LINC01976	0.609621	3.71E-56	postive
VTCN1	AC104072.1	0.609686	3.59E-56	postive
PDCD1LG2	AP005019.1	0.609767	3.44E-56	postive
TNFSF13B	AC006033.2	0.61012	2.86E-56	postive
CD80	AC008957.1	0.610386	2.49E-56	postive
FASLG	AC012645.3	0.610531	2.31E-56	postive
TNFRSF14	LINC01176	0.610653	2.16E-56	postive
TNFRSF25	AC005519.1	0.610914	1.89E-56	postive
TMIGD2	AL390729.1	0.610923	1.88E-56	postive
TMIGD2	AL445490.1	0.611093	1.72E-56	postive
CD86	AC011899.3	0.611214	1.61E-56	postive

TNFRSF25	AC132872.1	0.611384	1.47E-56	postive
TNFRSF25	AC110285.2	0.611538	1.36E-56	postive
TMIGD2	HDHD5-AS1	0.611562	1.34E-56	postive
TMIGD2	AC079210.1	0.611693	1.25E-56	postive
TNFRSF14	AL135999.1	0.611783	1.19E-56	postive
TNFRSF25	AL117209.1	0.611193	1.11E-56	postive
CD86	AC006033.2	0.611988	1.07E-56	postive
TNFRSF25	AC233728.1	0.612153	9.83E-57	postive
TNFSF8	LINC02285	0.612266	9.26E-57	postive
LTA	AC012645.3	0.612365	8.79E-57	postive
TMIGD2	AC010422.4	0.613036	6.16E-57	postive
FASLG	LINC00539	0.613432	5.00E-57	postive
TNFRSF1B	LINC02285	0.613779	4.16E-57	postive
TMIGD2	AC022431.1	0.613791	4.13E-57	postive
LTA	PSMB8-AS1	0.613803	4.11E-57	postive
TNFRSF14	PTOV1-AS2	0.614086	3.53E-57	postive
TMIGD2	AC105105.4	0.614133	3.45E-57	postive
ICOS	AL132642.1	0.61414	3.43E-57	postive
TMIGD2	RNF216-IT1	0.614254	3.23E-57	postive
TMIGD2	AC231981.1	0.614257	3.23E-57	postive
TMIGD2	AC007619.1	0.614294	3.16E-57	postive
ICOS	LINC02084	0.614723	2.52E-57	postive
PDCD1LG2	AF196972.1	0.614724	2.52E-57	postive
TMIGD2	AP000763.3	0.614789	2.43E-57	postive
TMIGD2	AC015914.1	0.614828	2.38E-57	postive
TNFRSF25	AC010809.2	0.615211	1.94E-57	postive
TMIGD2	AC010463.3	0.615311	1.84E-57	postive
FASLG	LINC02363	0.615392	1.76E-57	postive
FASLG	MIR155HG	0.615498	1.67E-57	postive
TNFRSF14	AL049795.1	0.615692	1.50E-57	postive
TMIGD2	AC007098.1	0.616001	1.27E-57	postive
TNFRSF14	AC010883.1	0.616008	1.27E-57	postive
TNFRSF25	AC022150.2	0.6164	1.03E-57	postive
TMIGD2	Z69666.1	0.616475	9.89E-58	postive
TNFRSF18	PCED1B-AS1	0.616528	9.61E-58	postive
CD28	AL365361.1	0.616763	8.47E-58	postive
TNFRSF25	COL4A2-AS1	0.616877	7.97E-58	postive
TMIGD2	AC084757.3	0.616906	7.84E-58	postive
TNFRSF25	AC005104.1	0.617172	6.80E-58	postive
TNFRSF13C	LINC02576	0.617506	5.68E-58	postive
TMIGD2	AC073896.3	0.618112	4.10E-58	postive
TMIGD2	AL355432.1	0.618405	3.50E-58	postive
TMIGD2	AC008403.3	0.618471	3.38E-58	postive
TNFRSF25	AL354836.1	0.61851	3.31E-58	postive
TNFRSF25	AL356481.3	0.618521	3.29E-58	postive
TNFRSF9	AL590764.1	0.618769	2.88E-58	postive
TNFRSF25	AL161452.1	0.619037	2.49E-58	postive
TNFRSF25	AC008105.3	0.619335	2.12E-58	postive
TMIGD2	LINC01842	0.619567	1.87E-58	postive
TNFRSF25	AC010883.1	0.61977	1.68E-58	postive
TMIGD2	AC103810.5	0.619893	1.57E-58	postive
TMIGD2	AC103769.1	0.619929	1.54E-58	postive
TNFRSF25	AL391244.3	0.620128	1.38E-58	postive
ICOS	LINC02363	0.620322	1.24E-58	postive
TNFRSF9	AC087318.1	0.620444	1.16E-58	postive
TMIGD2	AC018766.1	0.620524	1.11E-58	postive
ICOS	AC004865.2	0.620748	9.85E-59	postive

TNFRSF25	AC016773.1	0.620759	9.79E-59	postive
TMIGD2	AC022146.2	0.620897	9.08E-59	postive
CTLA4	LINC00528	0.620976	8.70E-59	postive
TNFRSF25	AL359921.2	0.621113	8.07E-59	postive
TNFRSF25	AL031705.1	0.621262	7.44E-59	postive
TMIGD2	LINC02289	0.621522	6.46E-59	postive
ICOS	AF127936.1	0.621548	6.37E-59	postive
VTCN1	AC023669.2	0.621698	5.87E-59	postive
TNFSF13B	AL590764.1	0.622143	4.60E-59	postive
TMIGD2	LINC01012	0.622167	4.54E-59	postive
TNFRSF25	AL096870.2	0.62239	4.02E-59	postive
TMIGD2	AC008050.1	0.622759	3.28E-59	postive
TMIGD2	AC024267.3	0.622809	3.20E-59	postive
TNFRSF25	ITGB2-AS1	0.622958	2.95E-59	postive
TMIGD2	AC106738.1	0.623175	2.62E-59	postive
TNFRSF25	AL035563.1	0.623324	2.41E-59	postive
TMIGD2	AP001381.1	0.623378	2.34E-59	postive
ICOS	MIR155HG	0.623558	2.12E-59	postive
TNFRSF25	AC254562.3	0.623571	2.10E-59	postive
TNFRSF1B	AL590764.1	0.624155	1.53E-59	postive
TNFRSF25	AL022328.1	0.62417	1.51E-59	postive
TNFRSF14	AL109811.3	0.624579	1.21E-59	postive
TNFRSF25	SEMA3F-AS1	0.624598	1.20E-59	postive
TNFRSF25	AC012368.1	0.624953	9.83E-60	postive
TNFRSF9	AC068196.1	0.624992	9.62E-60	postive
CTLA4	AC087318.1	0.625098	9.07E-60	postive
TNFRSF25	AC009118.3	0.625113	9.00E-60	postive
TNFRSF25	AL360181.2	0.625454	7.45E-60	postive
TMIGD2	AC005546.1	0.625717	6.44E-60	postive
TMIGD2	AC113383.1	0.62587	5.92E-60	postive
TMIGD2	AC124242.1	0.625882	5.88E-60	postive
TNFRSF25	AL645940.1	0.625948	5.67E-60	postive
TMIGD2	AC092802.2	0.626091	5.23E-60	postive
TMIGD2	AP000873.4	0.626472	4.24E-60	postive
TMIGD2	AC008083.2	0.626496	4.18E-60	postive
TMIGD2	AC124248.1	0.626538	4.08E-60	postive
TNFRSF25	DPP9-AS1	0.626784	3.56E-60	postive
TMIGD2	DENND5B-AS1	0.626822	3.49E-60	postive
TMIGD2	AL359265.3	0.62694	3.27E-60	postive
PDCD1	AC007728.2	0.626965	3.22E-60	postive
PDCD1	AC243829.2	0.627052	3.07E-60	postive
TMIGD2	AC104971.3	0.627198	2.83E-60	postive
TNFRSF25	HM13-IT1	0.62764	2.21E-60	postive
LTA	AL139352.1	0.627677	2.17E-60	postive
TNFRSF25	CTBP1-AS	0.628098	1.71E-60	postive
TNFSF4	BHLHE40-AS1	0.628295	1.53E-60	postive
TNFRSF25	PDXDC2P-NPIP14P	0.628444	1.41E-60	postive
FASLG	PSMB8-AS1	0.629565	7.53E-61	postive
TMIGD2	AC027279.1	0.62993	6.14E-61	postive
TNFRSF25	PRKCZ-AS1	0.630019	5.84E-61	postive
TMIGD2	AC106820.4	0.630253	5.12E-61	postive
TNFRSF25	ZNF32-AS2	0.630635	4.13E-61	postive
TMIGD2	JARID2-AS1	0.63088	3.59E-61	postive
TNFRSF25	ZNF436-AS1	0.631174	3.04E-61	postive
TMIGD2	AP003170.3	0.631196	3.01E-61	postive
TMIGD2	AC091965.1	0.631429	2.63E-61	postive
CTLA4	PSMB8-AS1	0.631866	2.06E-61	postive

TNFRSF14	MIR210HG	0.63198	1.93E-61	postive
TNFRSF25	AP000347.2	0.632639	1.33E-61	postive
TNFRSF25	CACTIN-AS1	0.632679	1.30E-61	postive
TNFRSF8	AL139393.2	0.632802	1.21E-61	postive
CD86	PCED1B-AS1	0.632891	1.15E-61	postive
TMIGD2	AL450384.2	0.632973	1.10E-61	postive
CTLA4	AC243829.2	0.633042	1.06E-61	postive
TMIGD2	AC027319.1	0.633219	9.54E-62	postive
TNFRSF25	AC138028.4	0.633506	8.10E-62	postive
CD80	AC015911.3	0.633837	6.71E-62	postive
TMIGD2	AC004039.1	0.634161	5.58E-62	postive
PDCD1	USP30-AS1	0.634238	5.34E-62	postive
CD80	LINC00539	0.634517	4.55E-62	postive
TMIGD2	AL158847.1	0.634676	4.15E-62	postive
LTB	AC004585.1	0.634866	3.73E-62	postive
TMIGD2	AL139021.1	0.635045	3.36E-62	postive
TMIGD2	AP001269.2	0.635172	3.13E-62	postive
TMIGD2	AC100830.1	0.635894	2.07E-62	postive
TNFRSF25	AC004771.1	0.636031	1.91E-62	postive
PDCD1LG2	AC083967.1	0.636065	1.87E-62	postive
TNFRSF25	AL021707.6	0.636116	1.82E-62	postive
TMIGD2	AL359697.1	0.63623	1.70E-62	postive
TNFSF13B	AC011899.2	0.636247	1.69E-62	postive
TNFRSF13C	AC012236.1	0.636418	1.53E-62	postive
CD86	AF127936.1	0.636468	1.49E-62	postive
VTCN1	LINC01896	0.636525	1.44E-62	postive
TNFRSF17	AL365361.1	0.636737	1.27E-62	postive
TNFRSF4	AC007998.3	0.636936	1.13E-62	postive
TNFRSF25	LINC00893	0.636992	1.10E-62	postive
TMIGD2	AC008667.1	0.637053	1.06E-62	postive
TMIGD2	AL354809.1	0.637496	8.20E-63	postive
ICOS	AC243960.1	0.63784	6.72E-63	postive
TNFRSF25	AC132872.2	0.638147	5.63E-63	postive
TNFRSF25	MHENCN	0.638712	4.05E-63	postive
CTLA4	USP30-AS1	0.638746	3.98E-63	postive
CD80	AC007728.2	0.639232	3.00E-63	postive
TMIGD2	AC114271.1	0.639248	2.97E-63	postive
TNFRSF25	AC107375.1	0.639574	2.46E-63	postive
TMIGD2	LINC02544	0.640217	1.69E-63	postive
TMIGD2	AC008870.4	0.640599	1.35E-63	postive
TNFRSF25	U62317.2	0.640647	1.31E-63	postive
TNFRSF25	RAD51-AS1	0.64072	1.26E-63	postive
ICOS	AC009133.3	0.640759	1.23E-63	postive
TNFRSF25	AC008764.8	0.641109	1.00E-63	postive
TNFSF13B	AF127936.1	0.641125	9.92E-64	postive
TMIGD2	FAM222A-AS1	0.641156	9.74E-64	postive
TNFRSF25	AL049780.1	0.641442	8.24E-64	postive
TMIGD2	AL137779.1	0.641883	6.36E-64	postive
TMIGD2	BMPR1B-DT	0.641894	6.31E-64	postive
TMIGD2	AL355512.1	0.642028	5.84E-64	postive
TMIGD2	AL139274.2	0.642577	4.23E-64	postive
TNFRSF8	RNF144A-AS1	0.642774	3.76E-64	postive
TNFRSF25	AL512770.1	0.642958	3.38E-64	postive
ICOS	LINC00539	0.643021	3.25E-64	postive
TNFSF8	AC011899.2	0.643137	3.04E-64	postive
TNFRSF25	AC024361.3	0.643236	2.86E-64	postive
TNFRSF1B	AC011899.2	0.643658	2.23E-64	postive

TMIGD2	AC004000.1	0.64378	2.08E-64	postive
TMIGD2	AC113143.1	0.644208	1.61E-64	postive
TMIGD2	AC104653.1	0.644328	1.50E-64	postive
TNFRSF25	AC232271.1	0.644493	1.36E-64	postive
TNFRSF25	AC011462.4	0.644699	1.20E-64	postive
TMIGD2	LINC02550	0.645013	9.99E-65	postive
PDCD1	AL135818.1	0.645159	9.16E-65	postive
TMIGD2	AL512274.1	0.645229	8.79E-65	postive
PDCD1LG2	AC005291.2	0.645838	6.11E-65	postive
TMIGD2	AL354872.2	0.646055	5.37E-65	postive
TNFRSF25	AL513218.1	0.646309	4.61E-65	postive
CD86	AC090559.1	0.64646	4.21E-65	postive
TNFRSF25	AC127502.2	0.646752	3.54E-65	postive
TNFRSF25	AC016737.1	0.646793	3.45E-65	postive
ICOS	AC087318.1	0.647059	2.95E-65	postive
CTLA4	LINC00539	0.647087	2.90E-65	postive
CD86	AL590764.1	0.647141	2.80E-65	postive
CTLA4	ITGB2-AS1	0.647328	2.51E-65	postive
TNFRSF25	AL513320.1	0.647653	2.06E-65	postive
TNFRSF14	AL022328.2	0.647935	1.74E-65	postive
TNFRSF25	AC084018.1	0.648059	1.62E-65	postive
TNFRSF14	AL365330.1	0.648216	1.47E-65	postive
TMIGD2	AC092112.1	0.648628	1.15E-65	postive
TNFRSF25	AC100803.3	0.64919	8.17E-66	postive
TNFRSF25	GUSBP11	0.64944	7.02E-66	postive
TNFRSF9	AC004865.2	0.649723	5.92E-66	postive
TMIGD2	AC023389.1	0.64973	5.89E-66	postive
TNFSF8	LINC01094	0.64995	5.16E-66	postive
TNFRSF25	AL109659.2	0.649957	5.14E-66	postive
LTA	LINC00158	0.650226	4.37E-66	postive
TNFRSF9	PCED1B-AS1	0.650423	3.87E-66	postive
TNFRSF25	AC090589.3	0.650455	3.80E-66	postive
TNFRSF25	Z69706.1	0.650754	3.17E-66	postive
TNFRSF25	AC005332.5	0.650852	2.98E-66	postive
TMIGD2	LINC01252	0.650863	2.96E-66	postive
TMIGD2	AC011481.1	0.651292	2.28E-66	postive
TNFSF8	AL133371.2	0.651471	2.05E-66	postive
TNFRSF25	AC109460.3	0.651653	1.83E-66	postive
TNFRSF25	AC108134.3	0.652888	8.61E-67	postive
LTB	AC004865.2	0.65316	7.29E-67	postive
TNFRSF25	AC073335.2	0.65318	7.21E-67	postive
PDCD1	AC243960.1	0.653225	7.01E-67	postive
CTLA4	LINC00861	0.653322	6.60E-67	postive
TMIGD2	AC067930.3	0.653739	5.11E-67	postive
TNFSF13B	PCED1B-AS1	0.654213	3.82E-67	postive
FASLG	LINC00158	0.654264	3.70E-67	postive
TMIGD2	AL136418.1	0.654372	3.46E-67	postive
ICOS	USP30-AS1	0.655135	2.16E-67	postive
TMIGD2	AC116914.2	0.655485	1.74E-67	postive
TMIGD2	AC092919.1	0.655697	1.53E-67	postive
TNFRSF25	AL022328.3	0.655934	1.32E-67	postive
TNFRSF17	OSTN-AS1	0.6561	1.19E-67	postive
TMIGD2	AC026471.5	0.656244	1.09E-67	postive
CTLA4	TSPOAP1-AS1	0.656522	9.16E-68	postive
TMIGD2	AC015849.4	0.657287	5.69E-68	postive
VTGN1	AC005082.1	0.657294	5.67E-68	postive
TNFRSF25	TNRC6C-AS1	0.657557	4.81E-68	postive

TMIGD2	AC245297.2	0.657607	4.66E-68	postive
ICOS	AC015911.3	0.657996	3.66E-68	postive
PDCD1LG2	LINC02154	0.658133	3.36E-68	postive
TMIGD2	AC133550.2	0.6583	3.02E-68	postive
TNFRSF25	AC027796.4	0.65831	3.01E-68	postive
FASLG	AC243960.1	0.65847	2.72E-68	postive
TMIGD2	AL050327.1	0.65859	2.52E-68	postive
TMIGD2	AC007216.3	0.659237	1.68E-68	postive
TMIGD2	AC000120.1	0.65933	1.59E-68	postive
TNFRSF25	LINC00926	0.659345	1.57E-68	postive
TNFRSF14	TNFRSF14-AS1	0.659397	1.52E-68	postive
CD86	AL591468.1	0.659683	1.27E-68	postive
TNFRSF25	AC129510.1	0.659696	1.26E-68	postive
TNFRSF14	AL139246.3	0.659863	1.13E-68	postive
TMIGD2	AL513477.2	0.660406	8.06E-69	postive
TNFRSF25	LENG8-AS1	0.660493	7.63E-69	postive
CTLA4	LINC00158	0.660533	7.44E-69	postive
TMIGD2	AC006238.1	0.660724	6.59E-69	postive
TNFRSF25	AC003070.1	0.661062	5.33E-69	postive
TNFRSF25	AL022322.1	0.66116	5.00E-69	postive
CTLA4	LINC02084	0.662509	2.13E-69	postive
TMIGD2	AC025576.2	0.662637	1.96E-69	postive
TNFRSF25	AC020931.1	0.662716	1.87E-69	postive
TMIGD2	ZFHX2-AS1	0.662829	1.74E-69	postive
PDCD1	AC243829.4	0.663025	1.53E-69	postive
LTB	AL590764.1	0.663074	1.49E-69	postive
TNFRSF25	SNHG20	0.663176	1.39E-69	postive
TMIGD2	AC012653.2	0.663381	1.22E-69	postive
PDCD1LG2	AC004817.3	0.664214	7.18E-70	postive
TMIGD2	AC005776.2	0.664382	6.45E-70	postive
TMIGD2	AC073311.1	0.664417	6.30E-70	postive
TNFRSF14	AC007292.1	0.664443	6.20E-70	postive
TMIGD2	AC136475.5	0.664525	5.88E-70	postive
CTLA4	LINC02422	0.664593	5.63E-70	postive
TMIGD2	NUCB1-AS1	0.664713	5.21E-70	postive
PDCD1	BHLHE40-AS1	0.664802	4.93E-70	postive
PDCD1LG2	AL365356.5	0.665222	3.76E-70	postive
TNFRSF25	STAG3L5P-PVRIG2P-PILRB	0.665417	3.32E-70	postive
TMIGD2	ASAP1-IT2	0.665655	2.85E-70	postive
TNFRSF25	AL928654.2	0.665697	2.77E-70	postive
TMIGD2	SAP30L-AS1	0.665971	2.32E-70	postive
TMIGD2	LINC01827	0.666286	1.90E-70	postive
PDCD1	AC010247.2	0.666849	1.32E-70	postive
TMIGD2	AL035461.2	0.666979	1.21E-70	postive
TMIGD2	ARF4-AS1	0.667009	1.19E-70	postive
ICOS	PCED1B-AS1	0.667027	1.17E-70	postive
TMIGD2	AC002116.2	0.66716	1.08E-70	postive
LTA	TSPOAP1-AS1	0.66721	1.04E-70	postive
TNFRSF25	AL162586.1	0.667242	1.02E-70	postive
TMIGD2	HCG25	0.668358	4.96E-71	postive
TNFRSF25	AL031658.1	0.668502	4.51E-71	postive
TNFRSF14	AP000347.2	0.668544	4.39E-71	postive
TNFRSF1B	PCED1B-AS1	0.668676	4.03E-71	postive
TNFRSF25	AC006435.2	0.668782	3.76E-71	postive
CD80	AL591468.1	0.669221	2.83E-71	postive
ICOS	AL590764.1	0.669732	2.02E-71	postive
TNFRSF25	AC005387.1	0.669845	1.88E-71	postive

TNFRSF25	AC069281.2	0.669874	1.84E-71	postive
TNFRSF25	AC005785.1	0.670303	1.39E-71	postive
TMIGD2	AC104806.2	0.670501	1.22E-71	postive
TMIGD2	SPIN4-AS1	0.670766	1.03E-71	postive
TNFRSF9	LINC02084	0.671342	7.04E-72	postive
TMIGD2	AL512306.2	0.671661	5.71E-72	postive
CTLA4	AL135818.2	0.671755	5.37E-72	postive
FASLG	TSPOAP1-AS1	0.672264	3.84E-72	postive
FASLG	AC009133.3	0.672441	3.41E-72	postive
TNFRSF25	CR559946.2	0.673118	2.18E-72	postive
TMIGD2	AC010524.1	0.673182	2.09E-72	postive
TMIGD2	FGF12-AS2	0.674047	1.18E-72	postive
TNFRSF25	AP001160.1	0.674153	1.10E-72	postive
TNFRSF25	AC004253.1	0.674406	9.27E-73	postive
TMIGD2	AL357874.1	0.67477	7.27E-73	postive
TNFRSF25	AC005264.1	0.674784	7.21E-73	postive
TNFRSF25	AL049795.1	0.674856	6.87E-73	postive
TNFRSF25	AC055855.1	0.675341	4.97E-73	postive
TMIGD2	LINC02572	0.675474	4.54E-73	postive
TMIGD2	AC008946.1	0.675611	4.15E-73	postive
TMIGD2	PCAT1	0.67566	4.02E-73	postive
TMIGD2	AC098487.1	0.675877	3.47E-73	postive
TMIGD2	DNAJC27-AS1	0.676172	2.85E-73	postive
TMIGD2	AL132639.2	0.676285	2.64E-73	postive
TNFRSF25	PKD1P6-NPIPP1	0.676349	2.53E-73	postive
PDCD1LG2	AC004817.2	0.676426	2.40E-73	postive
CTLA4	AL590764.1	0.676454	2.36E-73	postive
TMIGD2	AC115102.1	0.676501	2.28E-73	postive
TNFRSF9	TSPOAP1-AS1	0.677097	1.53E-73	postive
TMIGD2	AL109936.2	0.677124	1.50E-73	postive
TMIGD2	AC012485.2	0.677292	1.34E-73	postive
TMIGD2	LINC01715	0.67734	1.30E-73	postive
TNFRSF25	AC004918.1	0.677996	8.35E-74	postive
TMIGD2	AL360091.1	0.678006	8.30E-74	postive
TNFSF8	AC090559.1	0.678594	5.57E-74	postive
TMIGD2	AC096642.1	0.678818	4.79E-74	postive
TNFRSF25	MMP25-AS1	0.678899	4.53E-74	postive
PDCD1	AC004865.2	0.678958	4.36E-74	postive
TMIGD2	RAD21-AS1	0.679248	3.58E-74	postive
PDCD1	LINC02084	0.679463	3.09E-74	postive
PDCD1	TRG-AS1	0.679971	2.19E-74	postive
TMIGD2	AL024508.2	0.680412	1.62E-74	postive
LTA	AC243829.4	0.680749	1.29E-74	postive
TNFRSF9	LINC00158	0.680819	1.23E-74	postive
TNFSF8	AF127936.1	0.680855	1.20E-74	postive
TNFRSF25	AL031714.1	0.681593	7.23E-75	postive
TNFRSF25	LINC01160	0.682032	5.35E-75	postive
CTLA4	AC243829.4	0.682063	5.24E-75	postive
LTA	AC243960.1	0.682605	3.61E-75	postive
ICOS	LINC00158	0.683031	2.69E-75	postive
TMIGD2	AC005730.3	0.683142	2.49E-75	postive
TMIGD2	HNF4A-AS1	0.683592	1.83E-75	postive
TMIGD2	AC002398.1	0.683722	1.67E-75	postive
TMIGD2	AC051619.7	0.683758	1.63E-75	postive
TNFRSF25	AC009283.1	0.683792	1.59E-75	postive
RELT	AC145098.1	0.684052	1.33E-75	postive
TMIGD2	AL031722.1	0.684107	1.28E-75	postive

TNFRSF25	C9orf139	0.684198	1.20E-75	postive
CTLA4	AL135818.1	0.684371	1.07E-75	postive
CTLA4	AC012645.3	0.684609	9.05E-76	postive
TNFSF13B	LINC01094	0.684827	7.78E-76	postive
TMIGD2	AC106864.1	0.685252	5.79E-76	postive
TMIGD2	AC044840.1	0.685325	5.50E-76	postive
TMIGD2	AP000255.1	0.685719	4.18E-76	postive
TMIGD2	AC021491.4	0.685776	4.02E-76	postive
TNFRSF25	AC087289.2	0.686478	2.46E-76	postive
TMIGD2	AL592301.1	0.686514	2.40E-76	postive
CD86	AC002091.1	0.686596	2.27E-76	postive
TNFRSF25	AC135050.3	0.686619	2.23E-76	postive
FASLG	AL590764.1	0.686713	2.09E-76	postive
TMIGD2	LINC00336	0.686985	1.73E-76	postive
TMIGD2	IDH2-DT	0.688549	5.76E-77	postive
TNFRSF9	AC007728.2	0.688708	5.15E-77	postive
TMIGD2	AC002310.1	0.688726	5.09E-77	postive
TMIGD2	AC078785.1	0.688965	4.30E-77	postive
TMIGD2	AC135050.4	0.689468	3.01E-77	postive
CTLA4	MIR155HG	0.689741	2.48E-77	postive
FASLG	AC243829.2	0.68997	2.11E-77	postive
TMIGD2	AC079313.1	0.690171	1.83E-77	postive
TNFSF13B	AL591468.1	0.690686	1.27E-77	postive
CTLA4	AC004865.2	0.69075	1.21E-77	postive
TNFRSF25	LINC00115	0.690831	1.15E-77	postive
TMIGD2	AC079414.3	0.691065	9.70E-78	postive
LTA	LINC02084	0.691411	7.58E-78	postive
TMIGD2	AL034417.2	0.692495	3.50E-78	postive
PDCD1	LINC00426	0.69295	2.52E-78	postive
TMIGD2	AC023043.4	0.693193	2.12E-78	postive
TMIGD2	TOB1-AS1	0.693218	2.08E-78	postive
TMIGD2	AC074135.1	0.693382	1.85E-78	postive
TNFRSF25	AC008735.2	0.693473	1.73E-78	postive
TNFRSF25	LINC01176	0.693657	1.52E-78	postive
TNFRSF25	LINC00174	0.693664	1.51E-78	postive
TMIGD2	LINC01356	0.693769	1.40E-78	postive
ICOS	AC243829.2	0.693828	1.34E-78	postive
TNFRSF25	SH3BP5-AS1	0.694418	8.77E-79	postive
TMIGD2	AC020913.3	0.694744	6.93E-79	postive
TNFRSF25	AL365330.1	0.694776	6.77E-79	postive
CTLA4	AC008105.3	0.69478	6.76E-79	postive
TMIGD2	AC090515.5	0.695119	5.29E-79	postive
TNFRSF25	AL136295.7	0.695636	3.63E-79	postive
TMIGD2	AC092720.1	0.695638	3.63E-79	postive
TNFRSF25	AL139287.1	0.696029	2.73E-79	postive
CTLA4	BHLHE40-AS1	0.696089	2.62E-79	postive
TMIGD2	AC011477.4	0.696651	1.74E-79	postive
TMIGD2	AC114488.1	0.696701	1.68E-79	postive
TNFSF8	AC002091.2	0.696743	1.63E-79	postive
TMIGD2	AC026904.2	0.697066	1.28E-79	postive
TMIGD2	AL022311.1	0.697742	7.84E-80	postive
TMIGD2	AC005014.2	0.69782	7.40E-80	postive
TNFRSF9	LINC02363	0.698131	5.89E-80	postive
TMIGD2	AC009090.1	0.69833	5.09E-80	postive
FASLG	AC004865.2	0.698333	5.08E-80	postive
CD80	LINC00426	0.699047	3.01E-80	postive
TMIGD2	AL023881.1	0.699568	2.05E-80	postive

TMIGD2	AL731577.1	0.699749	1.79E-80	postive
TMIGD2	AL359643.2	0.700162	1.32E-80	postive
TMIGD2	AC008429.1	0.700219	1.27E-80	postive
CD80	AF127936.1	0.700669	9.09E-81	postive
TMIGD2	AC108471.2	0.700699	8.89E-81	postive
TMIGD2	AC018521.5	0.700753	8.54E-81	postive
TNFRSF9	USP30-AS1	0.701124	6.49E-81	postive
CD86	LINC02285	0.701162	6.31E-81	postive
LTA	AC009133.3	0.701805	3.91E-81	postive
TNFRSF25	AC092118.2	0.701985	3.42E-81	postive
TMIGD2	AC010519.1	0.702412	2.49E-81	postive
TMIGD2	AL157904.1	0.702503	2.33E-81	postive
TMIGD2	AC107959.1	0.702868	1.77E-81	postive
ICOS	TSPOAP1-AS1	0.703107	1.48E-81	postive
TNFRSF25	AC245052.4	0.703482	1.12E-81	postive
TMIGD2	AL022316.1	0.70388	8.30E-82	postive
TNFRSF25	LINC01089	0.703895	8.20E-82	postive
FASLG	LINC02084	0.703971	7.75E-82	postive
TMIGD2	AC079907.1	0.703994	7.62E-82	postive
TMIGD2	AC135178.3	0.704951	3.71E-82	postive
TMIGD2	SRD5A3-AS1	0.705749	2.03E-82	postive
TMIGD2	AP001207.3	0.705778	1.98E-82	postive
TNFRSF25	AP002807.1	0.706295	1.34E-82	postive
TMIGD2	AC010761.6	0.706528	1.12E-82	postive
TMIGD2	UBOX5-AS1	0.706582	1.08E-82	postive
TMIGD2	AC009509.4	0.706656	1.02E-82	postive
TMIGD2	AC131009.1	0.706677	1.00E-82	postive
TMIGD2	AC008663.1	0.707883	4.01E-83	postive
TMIGD2	AC109597.2	0.707937	3.85E-83	postive
TMIGD2	NAV2-AS3	0.708073	3.47E-83	postive
TMIGD2	AC112491.1	0.708082	3.44E-83	postive
TMIGD2	AC079336.5	0.708344	2.82E-83	postive
TNFRSF25	AC012615.6	0.708447	2.60E-83	postive
TNFRSF25	RUSC1-AS1	0.709509	1.15E-83	postive
PDCD1	PCED1B-AS1	0.709788	9.31E-84	postive
TNFRSF25	AC114730.3	0.710106	7.29E-84	postive
VTCN1	ZNF350-AS1	0.710254	6.50E-84	postive
TNFRSF8	AC117402.1	0.71047	5.50E-84	postive
TNFRSF9	LINC00426	0.710581	5.05E-84	postive
TMIGD2	AC010618.3	0.710732	4.49E-84	postive
TNFRSF9	TRG-AS1	0.711205	3.12E-84	postive
TMIGD2	MAFTRR	0.711528	2.43E-84	postive
TNFRSF8	CTD-2201I18.1	0.711768	2.01E-84	postive
TNFRSF25	AC087741.1	0.712118	1.54E-84	postive
PDCD1	AC004585.1	0.712543	1.10E-84	postive
TMIGD2	AC068888.2	0.712594	1.06E-84	postive
TMIGD2	AL356488.3	0.712785	9.14E-85	postive
TMIGD2	AC016876.3	0.713637	4.70E-85	postive
TMIGD2	AC006160.1	0.713725	4.39E-85	postive
TNFRSF14	GUSBP11	0.714026	3.47E-85	postive
TMIGD2	AC000068.1	0.714288	2.82E-85	postive
TMIGD2	AL163051.1	0.715706	9.24E-86	postive
TMIGD2	AP003555.3	0.716338	5.61E-86	postive
TNFRSF17	AC007384.1	0.71692	3.54E-86	postive
TNFRSF25	AL135999.1	0.71695	3.45E-86	postive
TNFRSF25	AC005387.2	0.717137	2.98E-86	postive
TMIGD2	AC009955.3	0.717307	2.60E-86	postive

TMIGD2	TCF4-AS2	0.717733	1.85E-86	postive
CTLA4	AC009133.3	0.717835	1.71E-86	postive
TMIGD2	GNA14-AS1	0.718437	1.06E-86	postive
LTA	AC007728.2	0.718901	7.30E-87	postive
TNFRSF10A	TNFRSF10A-AS1	0.718926	7.15E-87	postive
LTA	AL591468.1	0.719082	6.31E-87	postive
TMIGD2	AC245014.3	0.719411	4.85E-87	postive
TMIGD2	AP001372.1	0.719906	3.26E-87	postive
TMIGD2	AP001178.1	0.719937	3.18E-87	postive
FASLG	USP30-AS1	0.720178	2.62E-87	postive
TNFRSF9	AL135818.1	0.720525	1.98E-87	postive
TMIGD2	AC005911.1	0.720807	1.58E-87	postive
TNFRSF25	H1FX-AS1	0.721008	1.34E-87	postive
TNFRSF25	AC004148.2	0.721307	1.05E-87	postive
TMIGD2	SKAP1-AS1	0.721453	9.35E-88	postive
TMIGD2	RBM15-AS1	0.721839	6.84E-88	postive
TMIGD2	LINC00551	0.722073	5.66E-88	postive
TMIGD2	AL645728.1	0.722302	4.70E-88	postive
CTLA4	AC243960.1	0.72275	3.26E-88	postive
TMIGD2	AC007993.2	0.722755	3.25E-88	postive
LTA	AC004865.2	0.722822	3.08E-88	postive
TMIGD2	GTF3C2-AS1	0.72317	2.32E-88	postive
TNFRSF9	AC243829.2	0.723665	1.55E-88	postive
TNFRSF25	AL022328.2	0.723704	1.50E-88	postive
TMIGD2	AC087878.1	0.724074	1.11E-88	postive
ICOS	AC007728.2	0.724104	1.08E-88	postive
TMIGD2	AC130324.1	0.724252	9.57E-89	postive
FASLG	AL591468.1	0.724264	9.48E-89	postive
TNFRSF8	AC017076.1	0.72427	9.43E-89	postive
TMIGD2	F10-AS1	0.724634	7.00E-89	postive
TMIGD2	AC021755.2	0.724824	5.99E-89	postive
TNFRSF25	AC012645.4	0.725249	4.22E-89	postive
TMIGD2	AP000350.5	0.725359	3.86E-89	postive
TMIGD2	AC124017.1	0.725396	3.74E-89	postive
TMIGD2	AC090061.1	0.725461	3.54E-89	postive
CTLA4	AC007728.2	0.725603	3.15E-89	postive
TMIGD2	AC117490.2	0.725657	3.02E-89	postive
TMIGD2	AC006441.4	0.725942	2.38E-89	postive
TMIGD2	AL021707.7	0.726471	1.54E-89	postive
TNFRSF17	FAM30A	0.727086	9.25E-90	postive
TMIGD2	AL355001.1	0.727136	8.88E-90	postive
TMIGD2	AC140847.2	0.727397	7.15E-90	postive
TMIGD2	AC093752.2	0.727565	6.21E-90	postive
TMIGD2	AP001099.1	0.727986	4.38E-90	postive
TMIGD2	FALEC	0.728343	3.25E-90	postive
TMIGD2	AL133551.1	0.72889	2.06E-90	postive
TMIGD2	AC123768.2	0.729398	1.35E-90	postive
TNFRSF25	AC040162.3	0.731	3.49E-91	postive
ICOS	AC004585.1	0.731083	3.26E-91	postive
TNFRSF25	LINC00342	0.731511	2.27E-91	postive
FASLG	AC007728.2	0.732627	8.80E-92	postive
TNFRSF9	AC004585.1	0.732655	8.59E-92	postive
TMIGD2	AC010618.2	0.732868	7.17E-92	postive
TMIGD2	AP001972.4	0.733743	3.40E-92	postive
TMIGD2	MIS18A-AS1	0.734843	1.32E-92	postive
TMIGD2	AP002993.1	0.735081	1.08E-92	postive
TMIGD2	AC006111.2	0.735228	9.51E-93	postive

TMIGD2	AC005363.2	0.735775	5.93E-93	postive
TMIGD2	AC011825.4	0.736081	4.56E-93	postive
TNFRSF25	AL109811.3	0.737026	2.01E-93	postive
TMIGD2	AC079322.1	0.737171	1.77E-93	postive
TMIGD2	AP005264.1	0.737874	9.61E-94	postive
TNFRSF9	AL591468.1	0.737927	9.18E-94	postive
TMIGD2	AL391069.2	0.738217	7.13E-94	postive
FASLG	PCED1B-AS1	0.738275	6.78E-94	postive
LTB	PCED1B-AS1	0.73913	3.21E-94	postive
TMIGD2	AL356218.1	0.739735	1.89E-94	postive
TMIGD2	AL512791.2	0.739744	1.87E-94	postive
TMIGD2	LINC01336	0.739797	1.79E-94	postive
ICOS	AL591468.1	0.740209	1.24E-94	postive
TMIGD2	TUBA3FP	0.740264	1.18E-94	postive
TMIGD2	AC006960.2	0.740751	7.72E-95	postive
TMIGD2	SPON1-AS1	0.740927	6.60E-95	postive
TMIGD2	AC093001.1	0.741144	5.45E-95	postive
TMIGD2	SLC25A30-AS1	0.74155	3.81E-95	postive
TMIGD2	AL031733.2	0.742768	1.29E-95	postive
TMIGD2	AC107993.1	0.743208	8.70E-96	postive
TMIGD2	AC131571.1	0.74479	2.11E-96	postive
TMIGD2	AP001781.1	0.74499	1.76E-96	postive
CTLA4	PCED1B-AS1	0.745043	1.68E-96	postive
TMIGD2	C6orf99	0.74613	6.30E-97	postive
TMIGD2	AC244093.3	0.746598	4.12E-97	postive
TMIGD2	AC068831.1	0.746715	3.71E-97	postive
TMIGD2	AL022476.1	0.746729	3.66E-97	postive
TMIGD2	AC145285.3	0.747267	2.24E-97	postive
TMIGD2	AL391095.3	0.747385	2.02E-97	postive
TMIGD2	AC090559.2	0.747748	1.45E-97	postive
TMIGD2	AC012186.2	0.747961	1.19E-97	postive
TMIGD2	AC138207.7	0.748926	4.93E-98	postive
TMIGD2	AC002550.2	0.748971	4.73E-98	postive
TMIGD2	Z97200.1	0.749171	3.93E-98	postive
TMIGD2	AC011443.1	0.74919	3.87E-98	postive
TMIGD2	RN7SL832P	0.74925	3.66E-98	postive
TMIGD2	AC009831.3	0.750111	1.66E-98	postive
TNFSF8	AC002091.1	0.750118	1.65E-98	postive
TMIGD2	AC103719.1	0.750426	1.24E-98	postive
TMIGD2	AC007405.1	0.750815	8.65E-99	postive
TNFRSF25	AC027601.1	0.751104	6.61E-99	postive
TMIGD2	AC012360.1	0.751138	6.41E-99	postive
TNFRSF25	AC020907.4	0.751223	5.92E-99	postive
TMIGD2	AC024592.1	0.751368	5.18E-99	postive
TMIGD2	AL451085.1	0.751404	5.01E-99	postive
LTA	USP30-AS1	0.75193	3.07E-99	postive
LTA	AL590764.1	0.752525	1.76E-99	postive
TMIGD2	AC087164.1	0.752747	1.43E-99	postive
TMIGD2	AC008663.3	0.752865	1.28E-99	postive
CD86	LINC01094	0.753485	#####	postive
TMIGD2	AC010422.2	0.753866	#####	postive
TMIGD2	AC090115.1	0.754586	#####	postive
TMIGD2	AC005391.1	0.754987	#####	postive
CTLA4	TRG-AS1	0.755005	#####	postive
TMIGD2	LINC00471	0.75501	#####	postive
TMIGD2	ABCC5-AS1	0.755322	#####	postive
CD274	AL359076.1	0.755931	#####	postive

TMIGD2	LINC01422	0.755948	#####	postive
TMIGD2	AC005277.2	0.756516	#####	postive
FASLG	LINC00426	0.756728	#####	postive
TNFRSF25	AC005306.1	0.757099	#####	postive
TMIGD2	AD001527.1	0.757172	#####	postive
TMIGD2	AC004839.1	0.758171	#####	postive
ICOS	BHLHE40-AS1	0.758324	#####	postive
TMIGD2	AL109947.1	0.75834	#####	postive
ICOS	TRG-AS1	0.758358	#####	postive
TMIGD2	AC004233.4	0.759075	#####	postive
TMIGD2	FAM215A	0.759216	#####	postive
LTA	AL135818.1	0.759293	#####	postive
TMIGD2	LINC02585	0.75967	#####	postive
TMIGD2	AC023983.1	0.760219	#####	postive
TMIGD2	AC092756.1	0.760385	#####	postive
TMIGD2	AC009145.2	0.760481	#####	postive
TMIGD2	AC099518.1	0.761046	#####	postive
TMIGD2	FRY-AS1	0.76172	#####	postive
TMIGD2	AC008543.4	0.761821	#####	postive
TMIGD2	AC026474.1	0.761928	#####	postive
TMIGD2	AC005237.1	0.763073	#####	postive
TMIGD2	NDUFB2-AS1	0.763255	#####	postive
CD40LG	LINC00892	0.763343	#####	postive
TNFRSF25	AC011472.1	0.76338	#####	postive
TMIGD2	LINC01655	0.764032	#####	postive
TMIGD2	REV3L-IT1	0.764228	#####	postive
TMIGD2	AC067817.2	0.764275	#####	postive
TMIGD2	AC114939.1	0.764315	#####	postive
TMIGD2	AC008764.6	0.764545	#####	postive
TMIGD2	AC013553.3	0.764683	#####	postive
TMIGD2	AC015849.1	0.764946	#####	postive
TMIGD2	AC093462.1	0.76505	#####	postive
TMIGD2	AC005828.4	0.765212	#####	postive
LTA	LINC00426	0.765307	#####	postive
TMIGD2	AC004584.1	0.765726	#####	postive
TMIGD2	AC091180.2	0.765859	#####	postive
TMIGD2	AC005616.1	0.766597	#####	postive
TMIGD2	AL589739.1	0.76665	#####	postive
TMIGD2	AC022960.1	0.767081	#####	postive
TMIGD2	AC008443.5	0.767125	#####	postive
TMIGD2	AC003965.2	0.767516	#####	postive
TMIGD2	AC138230.1	0.767696	#####	postive
TMIGD2	AC007292.3	0.767906	#####	postive
TMIGD2	LINC01290	0.768115	#####	postive
TMIGD2	AC099521.1	0.768377	#####	postive
TMIGD2	AL121983.2	0.768509	#####	postive
TMIGD2	AC087301.1	0.769051	#####	postive
FASLG	AC243829.4	0.769619	#####	postive
TMIGD2	AC010463.2	0.769644	#####	postive
TMIGD2	AP000915.2	0.769813	#####	postive
ICOS	AL135818.1	0.769936	#####	postive
TMIGD2	AC005884.2	0.770183	#####	postive
CTLA4	AC004585.1	0.770307	#####	postive
TMIGD2	AL592071.1	0.770382	#####	postive
TMIGD2	AC090970.1	0.770804	#####	postive
TMIGD2	LINC02453	0.770939	#####	postive
TMIGD2	HMGA1P4	0.770971	#####	postive

TMIGD2	AL513329.1	0.771554	#####	postive
TMIGD2	AC137630.2	0.771781	#####	postive
TMIGD2	AL135790.1	0.771926	#####	postive
TMIGD2	AC100793.2	0.771961	#####	postive
TMIGD2	AC105020.5	0.772259	#####	postive
TMIGD2	AC096540.1	0.77229	#####	postive
TMIGD2	AC008543.3	0.773145	#####	postive
TMIGD2	AC138811.1	0.773236	#####	postive
TMIGD2	LINC01635	0.773719	#####	postive
TMIGD2	AL121890.2	0.77418	#####	postive
TMIGD2	AC083841.1	0.774299	#####	postive
TMIGD2	AP003555.2	0.774478	#####	postive
TMIGD2	AC090229.1	0.774635	#####	postive
TMIGD2	AL391832.2	0.774665	#####	postive
TMIGD2	LINC02435	0.77518	#####	postive
TMIGD2	AC007272.1	0.775363	#####	postive
TMIGD2	AL591178.1	0.77571	#####	postive
TMIGD2	AL161668.3	0.77583	#####	postive
TMIGD2	AL031289.1	0.775959	#####	postive
TMIGD2	UFL1-AS1	0.775989	#####	postive
TMIGD2	LINC01985	0.776543	#####	postive
TMIGD2	AC092718.6	0.776628	#####	postive
TMIGD2	AC005529.1	0.776993	#####	postive
TMIGD2	GK-IT1	0.777101	#####	postive
TMIGD2	AC013549.1	0.777723	#####	postive
TMIGD2	AC079384.1	0.777919	#####	postive
TMIGD2	AC124947.1	0.777999	#####	postive
TMIGD2	LINC02147	0.77823	#####	postive
TMIGD2	AL109955.1	0.778958	#####	postive
TMIGD2	AL591848.2	0.778998	#####	postive
TMIGD2	AC025176.1	0.779201	#####	postive
TMIGD2	AC004923.4	0.779989	#####	postive
TMIGD2	AC091180.4	0.780265	#####	postive
TMIGD2	AC017006.2	0.780484	#####	postive
TMIGD2	LINC00449	0.78096	#####	postive
TMIGD2	AC006111.3	0.781389	#####	postive
TMIGD2	BRWD1-AS1	0.781416	#####	postive
TMIGD2	AC005775.1	0.781519	#####	postive
FASLG	AL135818.1	0.781562	#####	postive
TMIGD2	AC010531.6	0.781745	#####	postive
TMIGD2	LIF-AS1	0.781755	#####	postive
TMIGD2	AL360182.2	0.782045	#####	postive
TMIGD2	AC008127.1	0.782217	#####	postive
TMIGD2	AC011603.2	0.782286	#####	postive
ICOS	AC243829.4	0.782546	#####	postive
TMIGD2	AC023813.3	0.782714	#####	postive
TMIGD2	AC011471.2	0.782844	#####	postive
TMIGD2	AC106870.1	0.783055	#####	postive
TMIGD2	AC010525.1	0.783103	#####	postive
TMIGD2	AL360157.1	0.783407	#####	postive
TMIGD2	AL732314.4	0.78366	#####	postive
TMIGD2	AL133371.3	0.784085	#####	postive
TMIGD2	AC136469.1	0.784247	#####	postive
TMIGD2	AC078777.1	0.784515	#####	postive
TMIGD2	FO393418.1	0.78459	#####	postive
TMIGD2	AC012363.2	0.784727	#####	postive
TMIGD2	AL359636.1	0.784783	#####	postive

TMIGD2	LINC002481	0.785462	#####	postive
FASLG	AC004585.1	0.785551	#####	postive
TMIGD2	LINC00618	0.7856	#####	postive
TMIGD2	MDS2	0.785773	#####	postive
TMIGD2	AP005203.1	0.785904	#####	postive
TMIGD2	AC022167.3	0.785999	#####	postive
TMIGD2	HCG14	0.786006	#####	postive
TMIGD2	AP000944.1	0.786287	#####	postive
TMIGD2	AC130469.1	0.786299	#####	postive
TMIGD2	AC105020.2	0.786637	#####	postive
TMIGD2	AC114321.1	0.786899	#####	postive
CD86	AC011899.2	0.786913	#####	postive
TMIGD2	AC007422.2	0.786917	#####	postive
TMIGD2	AC011498.1	0.786979	#####	postive
TMIGD2	AL358214.1	0.7871	#####	postive
TMIGD2	AC008115.1	0.787209	#####	postive
TMIGD2	AC084026.2	0.787239	#####	postive
LTA	TRG-AS1	0.787365	#####	postive
TMIGD2	LINC02345	0.787503	#####	postive
TMIGD2	AL023803.2	0.787558	#####	postive
TMIGD2	AC118755.1	0.78762	#####	postive
TMIGD2	AC020917.2	0.787917	#####	postive
TMIGD2	AL391097.2	0.787939	#####	postive
TMIGD2	AC012640.1	0.788027	#####	postive
ICOS	LINC00426	0.788032	#####	postive
TMIGD2	AC011462.3	0.788324	#####	postive
TMIGD2	AC078980.1	0.788454	#####	postive
TMIGD2	AC093206.1	0.788523	#####	postive
TMIGD2	LINC00337	0.788695	#####	postive
TMIGD2	AC119396.2	0.788766	#####	postive
TMIGD2	AC018761.1	0.78894	#####	postive
TMIGD2	AL357497.1	0.789278	#####	postive
TMIGD2	LINC01397	0.789379	#####	postive
TMIGD2	AC013724.1	0.790129	#####	postive
TMIGD2	AC005332.1	0.790319	#####	postive
TMIGD2	AC135050.1	0.790584	#####	postive
LTA	BHLHE40-AS1	0.790718	#####	postive
TMIGD2	LINC02356	0.790941	#####	postive
TMIGD2	AP003774.4	0.791641	#####	postive
TMIGD2	AC126773.1	0.791779	#####	postive
TMIGD2	USP12-AS2	0.7918	#####	postive
TMIGD2	AC009119.1	0.791872	#####	postive
TMIGD2	AC008747.1	0.791962	#####	postive
TMIGD2	LINC02340	0.792274	#####	postive
TMIGD2	LINC02255	0.792396	#####	postive
TNFRSF17	AC007569.1	0.793183	#####	postive
TMIGD2	AC092809.2	0.794936	#####	postive
TMIGD2	AC107294.1	0.795245	#####	postive
CTLA4	LINC00426	0.795253	#####	postive
TMIGD2	AC119428.2	0.799514	#####	postive
TMIGD2	LINC01841	0.799885	#####	postive
TMIGD2	AL355340.1	0.800486	#####	postive
TMIGD2	AC091180.5	0.800936	#####	postive
TMIGD2	MIR3945HG	0.801755	#####	postive
TNFRSF25	PTOV1-AS2	0.802602	#####	postive
TMIGD2	AC025048.4	0.80548	#####	postive
FASLG	TRG-AS1	0.807079	#####	postive

FASLG	BHLHE40-AS1	0.812391	#####	postive
TNFRSF25	ARHGAP27P1-BPTFP1-KPNA2P3	0.815483	#####	postive
LTA	PCED1B-AS1	0.820093	#####	postive
TNFRSF17	LINC02362	0.83749	#####	postive
TNFRSF17	AC104699.1	0.846235	#####	postive
LTA	AC004585.1	0.847165	#####	postive
TNFRSF17	AC012236.1	0.848246	#####	postive
TNFRSF9	BHLHE40-AS1	0.850568	#####	postive
TNFRSF9	AC243829.4	0.850662	#####	postive
TNFRSF17	LINC00582	0.862059	#####	postive
TNFRSF17	LINC02576	0.864258	#####	postive
TNFRSF17	AL133467.1	0.873801	#####	postive

Table S3. The identified 219 lncRNAs strongly associated with survival.

lncRNA	HR	pvalue	lower	upper
AC024060.1	1.341182	1.92E-14	1.244082	1.445861
AC016773.1	2.023985	5.12E-14	1.684586	2.431764
AL354760.1	4.191864	9.90E-12	2.774729	6.332773
BREA2	9.5322	8.94E-11	4.821666	18.84469
HOTAIRM1	1.171586	4.92E-10	1.114572	1.231516
AL513218.1	2.118174	6.40E-10	1.669508	2.687416
RFPL3S	10.08945	6.82E-10	4.841634	21.02535
AP003352.1	1.565176	1.12E-09	1.355078	1.807849
VPS9D1-AS1	1.889185	1.44E-09	1.537386	2.321485
AL451050.2	6.621224	1.49E-09	3.58749	12.22041
AL662797.1	4.879493	1.54E-09	2.917331	8.161383
U62317.2	1.086782	1.63E-09	1.057784	1.116574
AL137784.2	3.825858	2.10E-09	2.466316	5.934839
LINC00941	1.456101	3.53E-09	1.28536	1.649522
AL109741.1	1.117406	6.99E-09	1.076204	1.160187
AC069281.2	2.531581	7.91E-09	1.84662	3.470612
C3orf35	14.72375	8.27E-09	5.898949	36.7504
AP002807.1	1.522066	1.09E-08	1.317876	1.757892
AC095057.3	2.639981	1.86E-08	1.882282	3.702688
AL121852.1	19.29166	3.89E-08	6.713913	55.43236
AC004771.1	2.299699	5.10E-08	1.704316	3.103072
AL117379.1	1.570123	5.28E-08	1.334632	1.847165
AL139123.1	3.917873	6.18E-08	2.38964	6.423449
AC068620.2	2.779059	6.79E-08	1.917275	4.028203
PLA2G4C-AS1	9.109589	8.81E-08	4.054834	20.4656
AL671710.1	9.25265	1.02E-07	4.078679	20.99002
AL158834.2	8.099362	1.07E-07	3.744614	17.51841
CAHM	2.259953	1.11E-07	1.672447	3.053841
AC048341.2	1.129568	1.35E-07	1.07955	1.181902
AC093673.1	1.085291	1.39E-07	1.052729	1.118861
AC083967.1	1.072794	1.79E-07	1.044863	1.101473
LINC01943	1.893874	1.84E-07	1.48972	2.407672
AC025857.2	1.217365	1.95E-07	1.130448	1.310964
AC084824.5	1.563391	2.03E-07	1.320922	1.850367
U47924.3	1.928488	2.14E-07	1.504664	2.471691
AC147067.1	1.563475	2.50E-07	1.31928	1.852871
LINC01311	2.364779	2.59E-07	1.704363	3.281095
AC084876.1	1.600887	2.89E-07	1.337485	1.916163
AC087289.2	6.999414	3.19E-07	3.319279	14.75977
AC093726.2	1.708033	3.52E-07	1.390029	2.098788
AC127502.2	1.326144	3.77E-07	1.189308	1.478723

SNHG10	1.505653	3.86E-07	1.285585	1.763393
RRN3P2	2.799153	4.01E-07	1.880023	4.167639
AC244197.2	1.494974	4.08E-07	1.279548	1.74667
AL354836.1	1.082708	4.78E-07	1.049728	1.116723
AL355488.1	1.316321	6.00E-07	1.181656	1.466333
LINC01138	1.560393	6.62E-07	1.309379	1.859529
LINC01355	1.689177	6.89E-07	1.373373	2.0776
AL391244.3	1.821467	7.35E-07	1.436637	2.309381
AC034236.2	1.790241	7.71E-07	1.421078	2.255304
AC008870.2	2.435435	7.87E-07	1.710616	3.467375
LINC01089	1.228902	8.36E-07	1.132152	1.33392
AC078909.2	3.121222	8.43E-07	1.984282	4.909596
AC009283.1	1.227119	9.18E-07	1.13082	1.331618
AC027796.4	1.398539	9.87E-07	1.22275	1.5996
AC010973.2	1.495941	1.21E-06	1.271395	1.760144
AL731567.1	1.365812	1.24E-06	1.204099	1.549244
AL390728.6	1.093914	1.38E-06	1.054774	1.134507
ITGB2-AS1	1.224683	1.38E-06	1.127935	1.329729
AL365356.5	1.212274	1.38E-06	1.121145	1.310811
AC132192.2	1.717914	1.55E-06	1.377619	2.142268
AL021707.6	1.22262	1.56E-06	1.126341	1.327128
AC010245.2	2.261166	1.66E-06	1.619475	3.157118
AC092119.2	2.019064	1.68E-06	1.514457	2.691803
PTOV1-AS1	1.979176	1.69E-06	1.496625	2.617315
AL645940.1	2.204145	1.73E-06	1.594378	3.047115
AC016957.2	2.195277	2.06E-06	1.586761	3.037155
AL596094.1	1.450299	2.13E-06	1.243666	1.691264
AC104758.2	2.295796	2.15E-06	1.628024	3.237469
AC092143.3	4.44237	2.21E-06	2.395689	8.237568
AC092809.4	2.76864	2.56E-06	1.811166	4.232284
AC005291.2	1.186013	2.65E-06	1.10451	1.273531
AC005387.1	2.109825	2.66E-06	1.544883	2.881358
AF196972.1	2.673959	2.81E-06	1.771831	4.035406
LINC01160	6.3671	3.71E-06	2.906579	13.94766
LINC02154	1.078374	3.83E-06	1.044405	1.113447
AC073335.2	1.188252	4.26E-06	1.104026	1.278903
AC127024.6	3.564889	4.71E-06	2.068574	6.143571
AC100803.3	1.756522	4.80E-06	1.379769	2.236149
LINC00926	1.667517	4.97E-06	1.338904	2.076784
AC008105.1	10.94353	5.15E-06	3.911906	30.61448
AC020907.4	1.418561	5.63E-06	1.219815	1.64969
AC004034.1	4.329615	5.65E-06	2.299548	8.151848
LINC00115	2.050203	6.33E-06	1.501216	2.79995
MHENCN	1.073955	6.41E-06	1.041184	1.107758
RNF139-AS1	5.005759	6.50E-06	2.485687	10.08076
AC124067.2	1.323223	7.65E-06	1.170458	1.495927
AC120053.1	1.294781	9.20E-06	1.155085	1.451372
AC010326.3	1.128736	9.57E-06	1.069811	1.190907
AC020558.2	2.020305	9.77E-06	1.479286	2.75919
YEATS2-AS1	2.300027	1.08E-05	1.58727	3.332845
MIR155HG	1.09785	1.10E-05	1.053104	1.144497
AC002553.1	1.491395	1.11E-05	1.247887	1.78242
LINC01871	1.193474	1.30E-05	1.102255	1.292241
AL158212.2	1.965745	1.33E-05	1.450159	2.664641
ASMTL-AS1	1.057749	1.34E-05	1.031346	1.084828
AC015802.5	2.152651	1.35E-05	1.524148	3.040326
AL591845.1	0.631507	1.40E-05	0.513242	0.777023

AC073655.2	2.81892	1.49E-05	1.763482	4.506035
AC018809.1	3.852888	1.53E-05	2.090798	7.100041
AC087741.1	1.381383	1.54E-05	1.193135	1.599332
AL022328.3	1.926311	1.60E-05	1.430157	2.594591
AC109446.3	2.107993	1.73E-05	1.500158	2.962111
MCCC1-AS1	1.735534	1.78E-05	1.349205	2.232484
AL592211.1	3.329944	1.78E-05	1.922262	5.768478
AL359504.2	2.236264	1.92E-05	1.54606	3.234595
AC027601.1	4.823705	1.92E-05	2.344101	9.926248
ZKSCAN2-DT	1.74007	1.99E-05	1.349047	2.244432
AL035563.1	1.623795	2.13E-05	1.298559	2.03049
AL139089.1	1.836313	2.54E-05	1.383856	2.436702
AC005785.1	1.549768	2.71E-05	1.262991	1.901662
AC010542.5	1.303755	2.85E-05	1.151449	1.476207
AC010809.2	2.627525	2.86E-05	1.671218	4.131053
AP000229.1	0.112662	2.89E-05	0.040496	0.313431
ATP2C2-AS1	45.75301	2.97E-05	7.603491	275.3128
CASC19	2.600579	3.11E-05	1.658611	4.077514
CCDC18-AS1	1.173676	3.16E-05	1.08842	1.265611
AC132872.1	1.196977	3.20E-05	1.099733	1.302818
AC004951.4	19.4267	3.22E-05	4.797274	78.66901
AL135818.2	4.522664	3.22E-05	2.220156	9.213087
AC010327.5	6.389166	3.22E-05	2.66518	15.31658
AC109460.3	4.138246	3.38E-05	2.114688	8.098159
AC004825.2	1.203673	3.38E-05	1.102692	1.3139
AL139352.1	4.752135	3.57E-05	2.269611	9.95007
PICSAR	1.334036	3.63E-05	1.163505	1.529562
AL133410.1	1.867463	3.85E-05	1.387073	2.51423
AC015660.3	1.998448	3.87E-05	1.437076	2.779111
AC129510.1	1.622475	3.87E-05	1.288474	2.043058
AL442128.2	6.733813	3.96E-05	2.711792	16.72113
AC106786.1	3.680052	3.97E-05	1.976859	6.850659
LINC02019	2.89566	3.97E-05	1.743909	4.808075
AL096865.1	1.772026	4.17E-05	1.347814	2.329754
IGBP1-AS1	2.936462	4.18E-05	1.754005	4.916069
PTOV1-AS2	1.164799	4.18E-05	1.082832	1.25297
AC132872.3	1.236176	4.21E-05	1.116901	1.368188
AL596223.2	2.390392	4.49E-05	1.572834	3.632914
LINC00893	1.557917	4.66E-05	1.258557	1.928484
AC004817.3	1.109176	4.91E-05	1.055055	1.166073
AC067945.3	2.883401	5.10E-05	1.72736	4.813126
LINC02422	3.099021	5.71E-05	1.786469	5.375928
AC099850.3	1.130629	6.20E-05	1.064697	1.200644
ZNF436-AS1	1.393071	6.40E-05	1.184086	1.63894
LINC00342	1.15099	7.00E-05	1.073909	1.233603
AC048341.1	1.958167	7.04E-05	1.405854	2.727465
AL096701.3	2.847558	7.30E-05	1.697852	4.77579
AP001160.1	1.477487	7.33E-05	1.218247	1.791894
AC092118.2	2.183981	7.36E-05	1.484302	3.213477
PCED1B-AS1	1.130953	8.03E-05	1.063852	1.202286
AC008105.3	1.30019	8.26E-05	1.140894	1.481728
AL138921.1	8.739533	8.30E-05	2.969055	25.72517
AL161452.1	3.493929	8.49E-05	1.872275	6.520164
AC005306.1	2.438241	8.86E-05	1.561485	3.807284
AC008764.8	2.104685	8.98E-05	1.450292	3.054349
AC087239.1	1.704902	9.57E-05	1.304041	2.228986
AC018653.3	1.28845	9.60E-05	1.134383	1.463442

AC073611.1	1.173598	9.70E-05	1.082839	1.271963
AC022126.1	3.319327	9.83E-05	1.814884	6.070876
LINC02195	1.612093	1.00E-04	1.267401	2.050531
LINC02328	2.0932	0.000102	1.441998	3.038483
LINC01011	1.651318	0.000108	1.28111	2.128507
AC004148.2	1.284133	0.00011	1.131296	1.457618
AC008610.1	1.123074	0.00011	1.058918	1.191118
AC091057.1	3.310663	0.000117	1.800317	6.088089
AC004817.2	1.12738	0.00012	1.060551	1.19842
AC145285.6	6.35138	0.00013	2.463856	16.37272
AC020931.1	7.303697	0.000139	2.626665	20.30864
KMT2E-AS1	1.071451	0.000141	1.034036	1.110219
AC005332.5	1.429961	0.000146	1.188973	1.719793
AC022167.2	2.784666	0.000147	1.640999	4.725394
AL359532.1	26.97521	0.000152	4.904861	148.3553
PDXDC2P-NPIPB14P	1.759616	0.000154	1.313169	2.357845
AC009120.2	1.324227	0.000164	1.144308	1.532435
AC017083.1	3.258824	0.000169	1.760776	6.031393
AC074117.1	1.579307	0.000181	1.243335	2.006064
AL513320.1	1.383192	0.000182	1.167128	1.639255
LINC00174	1.266734	0.000186	1.119007	1.433963
AL021707.8	1.287487	0.000188	1.127579	1.470073
AP000254.1	1.263786	0.000195	1.117338	1.429428
ASB16-AS1	1.273903	0.000203	1.121169	1.447444
AL162171.1	0.323824	0.000205	0.178571	0.587229
AC092171.4	1.461305	0.000207	1.195936	1.785557
AC073575.2	3.105925	0.000209	1.706247	5.653797
CAPN10-DT	1.919864	0.000211	1.359732	2.710738
NALT1	1.396845	0.000246	1.168279	1.67013
ZNF32-AS1	2.210061	0.000263	1.443513	3.38367
AC044849.1	3.058156	0.0003	1.668243	5.60609
AC008735.2	1.101553	0.000317	1.045062	1.161098
AC004816.1	1.136354	0.000319	1.059948	1.218268
AC005840.2	1.563857	0.000346	1.224107	1.997905
AC011462.4	1.169802	0.000363	1.073177	1.275126
AC013731.1	2.582473	0.000366	1.532529	4.351738
AC090152.1	1.737255	0.000377	1.281258	2.35554
AC012645.4	1.895119	0.000405	1.32979	2.700785
DM1-AS	1.748512	0.000407	1.282719	2.383448
AC023908.3	6.111782	0.000422	2.234326	16.71818
AL159169.2	2.510509	0.000432	1.50371	4.191403
AC016737.1	2.622619	0.000432	1.533026	4.486636
AC040162.3	2.45467	0.000459	1.485395	4.056432
NARF-IT1	2.277602	0.000471	1.43585	3.612821
AL136295.7	1.290888	0.00051	1.11778	1.490805
AC234582.1	1.725495	0.000542	1.266683	2.350498
AC004585.1	1.296772	0.000608	1.117725	1.5045
AC017076.1	1.217268	0.000658	1.08708	1.363047
AC004865.2	2.068496	0.000667	1.360933	3.143928
INE1	1.302074	0.000694	1.117889	1.516606
AL360181.2	1.192535	0.000706	1.077012	1.320449
AC114730.3	1.876805	0.000752	1.301373	2.706677
AC004466.1	8.448773	0.000758	2.440029	29.25448
USP30-AS1	1.173883	0.000824	1.068621	1.289514
AC010883.1	1.259792	0.000829	1.10025	1.442469
OGFR-AS1	2.293901	0.00084	1.409066	3.734376
LINC02062	1.451611	0.000855	1.166041	1.807119

FO393401.1	2.695725	0.000896	1.501527	4.839696
LINC00551	0.001774	0.000897	4.22E-05	0.074556
AL683807.1	1.366256	0.000928	1.135841	1.643413
AC017104.1	1.97869	0.000933	1.320955	2.963927
AC009118.3	1.693563	0.000958	1.238835	2.315204
H1FX-AS1	1.889165	0.000983	1.294069	2.757923
AL135999.1	1.434679	0.000988	1.157399	1.778386