

Table S6. Ratios of gene expression between patients with acute rejection treated with belatacept compared to patients treated with tacrolimus.
Positive ratio means higher expression in samples of patients treated with tacrolimus. Negative ratio means higher expression in samples of patients treated with belatacept. *FDR p-value was obtained from the adjusted p-value of FDR correction by Benjamini-Hochberg method.
FC fold change, FDRPV false discovery rate p-value, SE standard error

Probe	FC (log2)	SE (log2)	Lower confidence limit (log2)	Upper confidence limit (log2)	p-value	FDRPV*
EHD3-mRNA	-1.14	0.28	-1.70	-0.59	0.00121	1.00
SLC19A3-mRNA	-0.98	0.29	-1.54	-0.41	0.00448	1.00
ASB15-mRNA	-1.65	0.53	-2.68	-0.62	0.00727	1.00
VEGFA-mRNA	-1.44	0.46	-2.35	-0.54	0.00741	1.00
COL1A1-mRNA	-2.67	0.90	-4.43	-0.91	0.00994	1.00
KLF4-mRNA	0.83	0.29	0.27	1.39	0.0116	1.00
SLC25A15-mRNA	1.11	0.42	0.29	1.93	0.0189	1.00
IGHG3-mRNA	1.66	0.66	0.36	2.95	0.0249	1.00
CXCL11-mRNA	1.88	0.76	0.39	3.37	0.0269	1.00
TRAF4-mRNA	0.21	0.09	0.04	0.38	0.0285	1.00
TNF-mRNA	0.85	0.35	0.17	1.54	0.0288	1.00
PLA1A-mRNA	0.95	0.40	0.16	1.74	0.0328	1.00
CD8B-mRNA	-0.83	0.36	-1.52	-0.13	0.0355	1.00
PECAM1-mRNA	0.40	0.17	0.06	0.74	0.0356	1.00
TBX21-mRNA	0.59	0.26	0.09	1.09	0.0369	1.00
WARS-mRNA	1.03	0.45	0.15	1.92	0.0378	1.00
CXCL9-mRNA	1.42	0.62	0.20	2.64	0.0389	1.00
RPS6-mRNA	-0.25	0.11	-0.47	-0.04	0.039	1.00
RXRA-mRNA	-0.34	0.15	-0.64	-0.04	0.0434	1.00
IGKC-mRNA	1.72	0.80	0.15	3.30	0.0501	1.00
IGHG4-mRNA	1.84	0.87	0.13	3.55	0.0531	1.00
IDO1-mRNA	1.38	0.66	0.08	2.68	0.0559	1.00
IGHG1-mRNA	1.82	0.89	0.07	3.57	0.0609	1.00
SOX7-mRNA	0.39	0.19	0.01	0.78	0.0614	1.00
PSME2-mRNA	0.62	0.30	0.02	1.21	0.0615	1.00
VCAN-mRNA	-1.17	0.60	-2.34	0.002	0.0706	1.00
IGHG2-mRNA	1.93	1.00	-0.01	3.86	0.0716	1.00
COL3A1-mRNA	-1.24	0.65	-2.52	0.03	0.0769	1.00
ROBO4-mRNA	0.32	0.17	-0.02	0.66	0.0882	1.00
CXCL10-mRNA	1.33	0.74	-0.11	2.78	0.092	1.00
MRC1-mRNA	0.60	0.33	-0.05	1.25	0.0938	1.00
IL18BP-mRNA	0.77	0.43	-0.07	1.61	0.095	1.00
CCL4-mRNA	0.99	0.56	-0.11	2.09	0.0982	1.00
NOS2-mRNA	0.60	0.34	-0.07	1.28	0.101	1.00
TAP1-mRNA	0.61	0.35	-0.07	1.30	0.102	1.00
RAB40C-mRNA	-0.18	0.10	-0.38	0.03	0.112	1.00
LAIR1-mRNA	0.57	0.34	-0.10	1.24	0.116	1.00
TMEM178A-mRNA	-0.56	0.34	-1.22	0.11	0.122	1.00
LAP3-mRNA	0.43	0.26	-0.09	0.94	0.125	1.00
TGFB1-mRNA	0.39	0.24	-0.08	0.86	0.127	1.00
GBP1-mRNA	0.80	0.49	-0.17	1.76	0.129	1.00
FGD2-mRNA	0.69	0.43	-0.15	1.54	0.131	1.00
COL4A4-mRNA	0.22	0.14	-0.05	0.50	0.133	1.00
FN1-mRNA	-0.95	0.60	-2.13	0.23	0.137	1.00
PDPN-mRNA	-0.89	0.57	-2.01	0.23	0.142	1.00
NPHS1-mRNA	-0.83	0.54	-1.88	0.22	0.145	1.00
IGLC1-mRNA	1.27	0.87	-0.43	2.97	0.165	1.00
IGHA1-mRNA	1.27	0.87	-0.43	2.98	0.165	1.00
PHEX-mRNA	-1.06	0.73	-2.48	0.36	0.167	1.00
COL4A3-mRNA	0.24	0.17	-0.09	0.56	0.174	1.00
CDH5-mRNA	0.27	0.19	-0.10	0.63	0.177	1.00
SPRY4-mRNA	-0.26	0.18	-0.62	0.10	0.181	1.00
HAVCR1-mRNA	0.60	0.43	-0.25	1.45	0.186	1.00
VMP1-mRNA	0.11	0.08	-0.05	0.28	0.192	1.00
SLC4A1-mRNA	-0.58	0.43	-1.41	0.26	0.195	1.00
PSMB10-mRNA	0.44	0.32	-0.19	1.07	0.196	1.00
RPS6KB1-mRNA	-0.09	0.07	-0.22	0.04	0.198	1.00
COL5A1-mRNA	-0.72	0.53	-1.77	0.33	0.199	1.00
NFKBIA-mRNA	0.36	0.27	-0.17	0.89	0.204	1.00
IGHM-mRNA	0.77	0.60	-0.41	1.94	0.22	1.00
LAG3-mRNA	-0.83	0.65	-2.09	0.44	0.223	1.00
TIGIT-mRNA	-0.56	0.45	-1.45	0.33	0.241	1.00
CD68-mRNA	-0.41	0.33	-1.06	0.25	0.244	1.00
SERINC5-mRNA	-0.15	0.13	-0.41	0.10	0.255	1.00
CTSS-mRNA	0.54	0.46	-0.36	1.45	0.26	1.00
CD274-mRNA	0.47	0.41	-0.32	1.27	0.263	1.00
RHOJ-mRNA	0.29	0.27	-0.23	0.82	0.294	1.00

IKZF2-mRNA	-0.26	0.24	-0.74	0.21	0.297	1.00
CDH13-mRNA	-0.41	0.38	-1.15	0.34	0.299	1.00
MIF-mRNA	-0.19	0.18	-0.54	0.16	0.305	1.00
CCR5-mRNA	0.33	0.31	-0.28	0.93	0.308	1.00
CD3D-mRNA	-0.41	0.38	-1.16	0.35	0.309	1.00
BCL2A1-mRNA	-0.54	0.52	-1.56	0.48	0.319	1.00
CHCHD10-mRNA	-0.23	0.22	-0.66	0.21	0.323	1.00
IFI30-mRNA	0.46	0.46	-0.43	1.35	0.33	1.00
CD84-mRNA	0.28	0.29	-0.28	0.86	0.341	1.00
CCR4-mRNA	0.38	0.39	-0.39	1.15	0.346	1.00
GZMB-mRNA	-0.72	0.75	-2.19	0.75	0.352	1.00
HAVCR2-mRNA	-0.29	0.24	-0.70	0.24	0.354	1.00
FJX1-mRNA	-0.21	0.23	-0.65	0.23	0.37	1.00
CCL5-mRNA	0.32	0.35	-0.36	1.00	0.374	1.00
CD28-mRNA	-0.42	0.46	-1.32	0.49	0.381	1.00
MS4A6A-mRNA	0.33	0.37	-0.39	1.05	0.385	1.00
RARRES3-mRNA	0.36	0.41	-0.44	1.16	0.389	1.00
RNF149-mRNA	-0.22	0.25	-0.71	0.27	0.389	1.00
SLAMF8-mRNA	0.44	0.50	-0.53	1.41	0.39	1.00
TEK-mRNA	-0.22	0.25	-0.71	0.27	0.392	1.00
CD8A-mRNA	-0.40	0.46	-1.29	0.50	0.401	1.00
CXCR6-mRNA	-0.45	0.52	-1.47	0.57	0.404	1.00
CD4-mRNA	0.25	0.30	-0.33	0.83	0.418	1.00
EEF1A1-mRNA	-0.12	0.15	-0.41	0.17	0.422	1.00
EPO-mRNA	-0.59	0.71	-1.98	0.81	0.424	1.00
ST8SIA4-mRNA	-0.28	0.34	-0.94	0.39	0.43	1.00
CTLA4-mRNA	-0.59	0.73	-2.01	0.84	0.433	1.00
PDCD1-mRNA	-0.42	0.53	-1.46	0.62	0.439	1.00
MEGF11-mRNA	0.41	0.51	-0.60	1.42	0.441	1.00
ATXN3-mRNA	0.06	0.07	-0.08	0.20	0.449	1.00
ACKR1-mRNA	0.44	0.58	-0.70	1.57	0.465	1.00
CX3CR1-mRNA	0.33	0.44	-0.54	1.20	0.473	1.00
NPHS2-mRNA	-0.38	0.52	-1.39	0.63	0.474	1.00
TNFAIP3-mRNA	0.33	0.45	-0.56	1.22	0.475	1.00
CD163-mRNA	0.46	0.64	-0.79	1.71	0.482	1.00
SOD2-mRNA	0.35	0.49	-0.62	1.32	0.489	1.00
BCL6-mRNA	-0.29	0.41	-1.08	0.51	0.494	1.00
TRIB1-mRNA	0.18	0.26	-0.33	0.69	0.504	1.00
ANKRD22-mRNA	0.37	0.54	-0.69	1.43	0.506	1.00
EZH2-mRNA	0.14	0.21	-0.26	0.54	0.507	1.00
FGFBP2-mRNA	0.81	1.21	-1.57	3.18	0.518	1.00
SIRPG-mRNA	-0.32	0.49	-1.28	0.64	0.525	1.00
ADAMDEC1-mRNA	0.41	0.63	-0.82	1.63	0.526	1.00
APOL2-mRNA	0.19	0.29	-0.39	0.77	0.527	1.00
SP140-mRNA	-0.23	0.35	-0.91	0.46	0.531	1.00
LTBR-mRNA	-0.10	0.16	-0.41	0.21	0.534	1.00
LCN2-mRNA	0.48	0.77	-1.04	1.99	0.548	1.00
CITED4-mRNA	-0.08	0.14	-0.35	0.18	0.55	1.00
CCL21-mRNA	0.32	0.54	-0.74	1.39	0.562	1.00
TNFRSF18-mRNA	-0.32	0.54	-1.38	0.75	0.567	1.00
FCER1A-mRNA	-0.50	0.87	-2.21	1.20	0.572	1.00
SLA-mRNA	-0.25	0.43	-1.08	0.59	0.574	1.00
MYBL1-mRNA	-0.13	0.22	-0.56	0.31	0.585	1.00
FAM26F-mRNA	0.28	0.52	-0.74	1.31	0.598	1.00
ITGAX-mRNA	0.24	0.49	-0.71	1.20	0.625	1.00
APOL1-mRNA	0.21	0.42	-0.62	1.04	0.626	1.00
NNMT-mRNA	-0.23	0.47	-1.15	0.69	0.628	1.00
MS4A4A-mRNA	0.24	0.48	-0.71	1.18	0.631	1.00
BCL2-mRNA	0.08	0.16	-0.24	0.40	0.632	1.00
AIM2-mRNA	-0.19	0.40	-0.97	0.58	0.633	1.00
KLRF1-mRNA	0.69	1.42	-2.09	3.47	0.634	1.00
CD96-mRNA	-0.17	0.34	-0.84	0.51	0.639	1.00
GBP5-mRNA	0.28	0.61	-0.90	1.47	0.646	1.00
CD72-mRNA	-0.25	0.54	-1.31	0.81	0.646	1.00
IL21R-mRNA	-0.17	0.35	-0.86	0.53	0.647	1.00
LTF-mRNA	0.32	0.69	-1.04	1.68	0.652	1.00
TNFSF8-mRNA	-0.16	0.34	-0.83	0.52	0.653	1.00
VWF-mRNA	0.24	0.52	-0.78	1.26	0.653	1.00
SLC22A2-mRNA	-0.21	0.47	-1.13	0.71	0.665	1.00
COL4A1-mRNA	0.16	0.38	-0.59	0.91	0.679	1.00
KLHL13-mRNA	0.07	0.19	-0.30	0.44	0.703	1.00
GEMIN7-mRNA	-0.03	0.09	-0.21	0.14	0.708	1.00
ICOS-mRNA	-0.17	0.45	-1.05	0.71	0.71	1.00

OSMR-mRNA	-0.11	0.30	-0.71	0.49	0.722	1.00
TGIF1-mRNA	-0.07	0.19	-0.43	0.30	0.724	1.00
MYB-mRNA	0.36	1.00	-1.61	2.33	0.727	1.00
MET-mRNA	0.07	0.21	-0.34	0.49	0.731	1.00
GIMAP5-mRNA	0.09	0.27	-0.43	0.61	0.735	1.00
IFNG-mRNA	0.32	0.93	-1.5	2.13	0.739	1.00
DUSP2-mRNA	0.13	0.39	-0.62	0.89	0.739	1.00
CD74-mRNA	0.10	0.30	-0.49	0.69	0.741	1.00
THBD-mRNA	-0.10	0.29	-0.67	0.48	0.75	1.00
NFKBIZ-mRNA	0.11	0.32	-0.53	0.74	0.75	1.00
CAV1-mRNA	0.13	0.40	-0.66	0.91	0.759	1.00
PTPN7-mRNA	0.11	0.35	-0.59	0.80	0.763	1.00
SH2D1B-mRNA	0.21	0.70	-1.17	1.59	0.771	1.00
LTB-mRNA	-0.11	0.37	-0.83	0.62	0.773	1.00
BTLA-mRNA	-0.15	0.52	-1.16	0.87	0.777	1.00
FOXP3-mRNA	-0.28	1.01	-2.26	1.7	0.784	1.00
SLPI-mRNA	-0.27	0.97	-2.17	1.63	0.785	1.00
LCP2-mRNA	0.09	0.32	-0.53	0.71	0.786	1.00
IL21-mRNA	-0.59	2.16	-4.82	3.63	0.788	1.00
CPA3-mRNA	0.16	0.57	-0.97	1.28	0.79	1.00
ITGB6-mRNA	0.14	0.53	-0.90	1.19	0.793	1.00
MS4A7-mRNA	0.07	0.31	-0.53	0.68	0.818	1.00
FCGR1B-mRNA	0.12	0.53	-0.91	1.15	0.82	1.00
PALMD-mRNA	0.08	0.34	-0.60	0.75	0.829	1.00
CD34-mRNA	-0.06	0.27	-0.58	0.47	0.831	1.00
CDKN2A-mRNA	0.40	2.01	-3.54	4.34	0.844	1.00
IL1RL1-mRNA	-0.12	0.59	-1.26	1.03	0.846	1.00
B3GAT1-mRNA	0.37	1.98	-3.50	4.24	0.855	1.00
COL4A5-mRNA	-0.04	0.23	-0.50	0.41	0.855	1.00
ST5-mRNA	0.03	0.17	-0.31	0.37	0.858	1.00
AOAH-mRNA	0.06	0.36	-0.64	0.76	0.866	1.00
BKV-mRNA	-0.26	1.58	-3.36	2.84	0.871	1.00
RARRES1-mRNA	0.08	0.49	-0.88	1.03	0.876	1.00
IL10-mRNA	0.13	0.96	-1.75	2.01	0.894	1.00
CD244-mRNA	0.26	1.91	-3.49	4.01	0.895	1.00
EOMES-mRNA	0.29	2.25	-4.11	4.69	0.9	1.00
CD86-mRNA	0.05	0.49	-0.91	1.02	0.918	1.00
PSTPIP1-mRNA	0.03	0.31	-0.58	0.64	0.918	1.00
LGALS3-mRNA	-0.01	0.12	-0.24	0.22	0.927	1.00
MS4A1-mRNA	0.02	0.22	-0.42	0.46	0.932	1.00
PLAT-mRNA	-0.03	0.40	-0.82	0.75	0.934	1.00
PDCD1LG2-mRNA	0.03	0.41	-0.77	0.83	0.945	1.00
SELE-mRNA	0.03	0.43	-0.81	0.86	0.949	1.00
GNLY-mRNA	0.04	0.66	-1.25	1.33	0.952	1.00
LTA-mRNA	0.12	2.25	-4.28	4.52	0.958	1.00
PRDM1-mRNA	0.02	0.37	-0.70	0.74	0.96	1.00
SHROOM3-mRNA	-0.006	0.12	-0.23	0.22	0.96	1.00
FCGR3A-mRNA	-0.03	0.59	-1.18	1.13	0.963	1.00
SH2D1A-mRNA	-0.009	0.30	-0.60	0.58	0.977	1.00
GATA3-mRNA	-0.003	0.23	-0.46	0.45	0.989	1.00
CCR7-mRNA	-0.005	0.41	-0.81	0.80	0.991	1.00
EDA-mRNA	0.002	0.15	-0.29	0.29	0.992	1.00
NFATC1-mRNA	0.001	0.19	-0.38	0.38	0.996	1.00