

**Supplementary Table 1:** Modulation over the first 48h of septic shock for selected genes highlighted by the functional analysis.

genes	H0	H24	H48
CD247	-5.46	-6.55	-5.55
CD3D	-2.64	-2.56	-2.08
CD3E	-4.01	-4.21	-3.47
CD3G	-3.51	-3.20	-2.45
CD74	-2.24	-4.0	-2.27
CIITA	-2.38	-2.51	-2.33
CIITA	-2.38	-2.51	-2.33
HLA-DMA	-3.61	-3.14	-2.58
HLA-DMB	-4.43	-3.14	-2.88
HLA-DOA	-2.75	-2.67	-2.28
HLA-DOB	-2.62	-2.61	-2.17
HLA-DPA1	-4.54	-4.96	-4.16
HLA-DPB1	-4.17	-4.21	-3.73
HLA-DQA1	-3.45	-5.19	-3.14
HLA-DRA	-2.49	-2.96	-2.44
HLA-DRB1	-2.81	-3.35	-2.40
IFNGR1	2.21	2.68	2.3
IL10	2.41	1.99	1.61
IL18	1.85	2.17	2.25
IL18RAP	4.53	4.91	4.05
IL1R1	3.52	6.16	4.74
IL1R2	9.84	17.06	9.54
IL1RAP	2.173	NA	NA
IL1RN	2.09	1.56	1.76
IL4R	2.25	1.81	1.89
IRAK3	6.12	7.73	6.62
JAK2	2.46	2.32	2.07
JAK3	2.36	1.43	1.4
LY96	2.43	2.99	3.11
MAP2K6	2.79	2.9	2.33
MAPK1	-1.19	2.0	1.41
MAPK14	3.64	3.49	2.91
MMP9	8.2	7.51	6.75
NFKBIA	1.78	2.01	1.89
S100A8	2.26	2.24	2.11
SOCS3	2.73	3.25	2.57
TAP2	-2.28	-2.21	-2.10
TGFBR1	2.15	2.06	1.38