

Table S8. Top 50 annotations of GSEA analysis.

| ID | Description* | Q value |
|-------------------|---|-----------------|
| GO:0007159 | leukocyte cell-cell adhesion | 0.000029 |
| GO:0050900 | leukocyte migration | 0.000199 |
| GO:0007229 | integrin-mediated signaling pathway | 0.000199 |
| GO:0051270 | regulation of cellular component movement | 0.000199 |
| GO:0002274 | myeloid leukocyte activation | 0.000266 |
| GO:0040012 | regulation of locomotion | 0.000266 |
| GO:0030334 | regulation of cell migration | 0.000270 |
| GO:0050865 | regulation of cell activation | 0.000270 |
| GO:2000145 | regulation of cell motility | 0.000366 |
| GO:0002521 | leukocyte differentiation | 0.000405 |
| GO:0002694 | regulation of leukocyte activation | 0.000470 |
| GO:0050867 | positive regulation of cell activation | 0.000594 |
| GO:0016337 | cell-cell adhesion | 0.001030 |
| GO:0002696 | positive regulation of leukocyte activation | 0.001135 |
| GO:0042110 | T cell activation | 0.001651 |
| GO:0051249 | regulation of lymphocyte activation | 0.002116 |
| GO:0046649 | lymphocyte activation | 0.002116 |
| GO:0002252 | immune effector process | 0.002218 |
| GO:0006954 | inflammatory response | 0.002663 |
| GO:0050852 | T cell receptor signaling pathway | 0.003578 |
| GO:0030098 | lymphocyte differentiation | 0.003905 |
| GO:0051251 | positive regulation of lymphocyte activation | 0.003905 |
| GO:0009617 | response to bacterium | 0.004720 |
| GO:0007160 | cell-matrix adhesion | 0.005231 |
| GO:0016044 | cellular membrane organization | 0.005231 |
| GO:0061024 | membrane organization | 0.005343 |
| GO:0042119 | neutrophil activation | 0.005619 |
| GO:0002444 | myeloid leukocyte mediated immunity | 0.006113 |
| GO:0007163 | establishment or maintenance of cell polarity | 0.006113 |
| GO:0002757 | immune response-activating signal transduction | 0.006335 |
| GO:0002764 | immune response-regulating signaling pathway | 0.006398 |
| GO:0050870 | positive regulation of T cell activation | 0.006468 |
| GO:0030099 | myeloid cell differentiation | 0.006607 |
| GO:0051607 | defense response to virus | 0.007301 |
| GO:0046631 | alpha-beta T cell activation | 0.007504 |
| GO:0051272 | positive regulation of cellular component movement | 0.007651 |
| GO:0031347 | regulation of defense response | 0.007942 |
| GO:0002573 | myeloid leukocyte differentiation | 0.008997 |
| GO:0001816 | cytokine production | 0.009114 |
| GO:0050863 | regulation of T cell activation | 0.010051 |
| GO:0030155 | regulation of cell adhesion | 0.010051 |
| GO:0032675 | regulation of interleukin-6 production | 0.012167 |
| GO:0042102 | positive regulation of T cell proliferation | 0.013117 |
| GO:0032635 | interleukin-6 production | 0.013117 |
| GO:0070661 | leukocyte proliferation | 0.013907 |
| GO:0030029 | actin filament-based process | 0.013908 |
| GO:0048872 | homeostasis of number of cells | 0.014327 |
| GO:0030217 | T cell differentiation | 0.014680 |
| GO:0002275 | myeloid cell activation involved in immune response | 0.017955 |
| GO:0030168 | platelet activation | 0.017955 |

* The descriptions written in bold are summarized in Figure 4B.