**Table S2**: Gene-sets of innate and adaptive immune cells (AcIc)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene-Set** | **Genes** | **Affymetrix Probe-sets** | **Description** | **Ref.** |
| Th1 | 260 | 408 | upregulated genes in in-vitro polarized Th1 cells compared to Th2 (n=5 each) (Affymetrix Hu6800: n=157 ProbeIDs, n=145 annotated Entrez\_IDs; fc>2, p<0.05; ); pathway data of Th1 differentiation (n= 70 genes; SABioscience) | *[*[*1*](#_ENREF_1)*]* |
| Th2 | 133 | 242 | upregulated genes in in-vitro polarized Th2 cells and compared to Th1 cells (n=5 each) (Affymetrix Hu6800: n=58 ProbeIDs, n=52 annotated Entrez\_IDs; fc>2, p<0.05; ); pathway data of Th2 differentiation (n= 81 genes; SABioscience) | *[*[*1*](#_ENREF_1)*]* |
| Th17 | 192 | 323 | upregulated genes in in-vitro activated Th17 cells vs. non-activated Th17 cells (n=3 each), (n=140 genes, fc 1.5; GSE11553; ABI Human Genome Survey Microarray v2.0); pathway data of Th17 differentiation (n=52 genes, SABiosciences) | *[*[*2*](#_ENREF_2)*]* |
| Treg | 192 | 2400 | upregulated genes in activated Treg vs. non-activated (fc>2) and not regulated in Th-cells (mRNAseq data; Illumina GAII) | *[*[*3*](#_ENREF_3)*]* |
| γδ-Tcells | 1078 | 1895 | upregulated genes (SAM, FDR 5%) in-vitro stimulated γΔTcells (vs. non-stimulated; n=3 each)(E-MEXP-1601, Affy U133plus2.0) | *Array Express: E-MEXP-1601* |
| NK | 16 | 27 | upregulated genes in IL15/IL12 stimulated NK cells (n=11) vs. non-stimulated (n=2) | *[*[*4*](#_ENREF_4)*]* |
| DC | 74 | 82 | upregulated genes in LPS activated vs. resting cells (n=6 each) | *[*[*4*](#_ENREF_4)*]* |
| Monocytes | 58 | 140 | freshly isolated cells (n=12)  | *[*[*4*](#_ENREF_4)*]* |
| Neutrophils | 23 | 55 | freshly isolated cells (n=5) | *[*[*4*](#_ENREF_4)*]* |

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