**Table S2**. Gene Ontology Analysis of A549 cells and moDC in the presence or absence of *A. fumigatus* germ tubes. **GO Terms with mainly Up-regulated Genes**

|  |  |
| --- | --- |
| **Minus *A. fumigatus*** | **Plus *A. fumigatus*** |
| **Cell-cell signaling (p: 0.08)** | **Chemotaxis (p: 0.008)** |
| **Gene ID** | **Gene Annotation** | **Fold Change** | **Gene ID** | **Gene Annotation** | **Fold Change** |
| CCL13 CCL17 CCL18 CCL23 CCL4 TOLLIP  | Chemokine (C-C-Motif) Ligand 13Chemokine (C-C-Motif) Ligand 17Chemokine (C-C-Motif) Ligand 18Chemokine (C-C-Motif) Ligand 23Chemokine (C-C-Motif) Ligand 4Toll interacting protein  | 4.935.31.71.1-0.5 | CCL13CCL17CCL18CCL20CCL4CCL5CCR4CCR5CXCL2CXCL5 | Chemokine (C-C-Motif) Ligand 13Chemokine (C-C-Motif) Ligand 17Chemokine (C-C-Motif) Ligand 18Chemokine (C-C-Motif) Ligand 20Chemokine (C-C-Motif) Ligand 4Chemokine (C-C-Motif) Ligand 5Chemokine (C-C-Motif) Receptor 4Chemokine (C-C-Motif) Receptor 5Chemokine (C-X-C-Motif) Ligand 2Chemokine (C-X-C-Motif) Ligand 5 | 2.612.435.21-0.6-0.53.32.1 |
| **Chemotaxis (p: 0.008)** | **Immune response (p: 0.006)** |
| CCL13 CCL17 CCL18 CCL23 CCL4  | Chemokine (C-C-Motif) Ligand 13Chemokine (C-C-Motif) Ligand 17Chemokine (C-C-Motif) Ligand 18Chemokine (C-C-Motif) Ligand 23Chemokine (C-C-Motif) Ligand 4 | 4.935.31.71.1 | CCL13CCL17CCL18CCL19CCL20CCL4CCL5CCR4CCR5CSF2CXCL2CXCL3CXCL5IL10RBIL1BIL1R1IL8TLR2  | Chemokine (C-C-Motif) Ligand 13Chemokine (C-C-Motif) Ligand 17Chemokine (C-C-Motif) Ligand 18Chemokine (C-C-Motif) Ligand 19Chemokine (C-C-Motif) Ligand 20Chemokine (C-C-Motif) Ligand 4Chemokine (C-C-Motif) Ligand 5Chemokine (C-C-Motif) Receptor 4Chemokine (C-C-Motif) Receptor 5Colony stimulating factor 2 (granulocyte-macrophage)Chemokine (C-X-C-Motif) Ligand 2Chemokine (C-X-C-Motif) Ligand 3Chemokine (C-X-C-Motif) Ligand 5Interleukin-10 Receptor BInterleukin-1 betaInterleukin-1 Receptor 1Interleukin-8Toll-like Receptor 2 | 2.612.4-0.735.21-0.6-0.51.33.312.1-0.61.3-0.62.2-1.5 |
| **Immune response (p: 0.034)** | **Cell-cell signalling (p: 0.02)** |
| CCL13 CCL17 CCL18 CCL23 CCL4IL1R1IL23 TLR1TLR2 TNFRSF1B  | Chemokine (C-C-Motif) Ligand 13Chemokine (C-C-Motif) Ligand 17Chemokine (C-C-Motif) Ligand 18Chemokine (C-C-Motif) Ligand 23Chemokine (C-C-Motif) Ligand 4Interleukin-1 Receptor 1Interleukin-23Toll-like Receptor 1Toll-like Receptor 2Tumour necrosis factor-Receptor Superfamily 1B | 4.935.31.71.1-0.7-0.6-1.1-0.71.1 | CCL13CCL17CCL18CCL20CCL21CCL4CCL5CCR5CXCL5IL11IL1BTOLLIP | Chemokine (C-C-Motif) Ligand 13Chemokine (C-C-Motif) Ligand 17Chemokine (C-C-Motif) Ligand 18Chemokine (C-C-Motif) Ligand 20Chemokine (C-C-Motif) Ligand 21Chemokine (C-C-Motif) Ligand 4Chemokine (C-C-Motif) Ligand 5Chemokine (C-C-Motif) Receptor 5Chemokine (C-X-C-Motif) Ligand 5Interleukin-11Interleukin-1 betaToll interacting protein | 2.612.43-0.75.21-0.52.1-0.91.3-1.3 |
| **Inflammatory response (p: 0.05)** | **Inflammatory response (p: 0.039)** |
| CCL13 CCL17 CCL18 CCL23 CCL4 Dectin-1 CXCR4 IL23 TLR1TLR2TLR3TLR5TLR7TNFRSF1ATNFRSF1BTOLLIP | Chemokine (C-C-Motif) Ligand 13Chemokine (C-C-Motif) Ligand 17Chemokine (C-C-Motif) Ligand 18Chemokine (C-C-Motif) Ligand 23Chemokine (C-C-Motif) Ligand 4Dectin-1Chemokine (C-X-C-Motif) Receptor 4Interleukin-23Toll-like Receptor 1Toll-like Receptor 2Toll-like Receptor 3Toll-like Receptor 5Toll-like Receptor 7Tumour necrosis factor-Receptor Superfamily 1ATumour necrosis factor-Receptor Superfamily 1BToll interacting protein | 4.935.31.71.11.61.5-0.6-1.1-0.7-0.9-1.1-1.2-0.81.1-0.5 | CCL13CCL17CCL18 CCL19 CCL20 CCL21 CCL4 CCL5 CCR4 CCR5 CXCL2 CXCL3 CXCR4 IL10RB IL1B IL8 MIF MYD88 PTX3 TLR2 TNFRSF1A TOLLIP  | Chemokine (C-C-Motif) Ligand 13Chemokine (C-C-Motif) Ligand 17Chemokine (C-C-Motif) Ligand 18Chemokine (C-C-Motif) Ligand 19Chemokine (C-C-Motif) Ligand 20Chemokine (C-C-Motif) Ligand 21Chemokine (C-C-Motif) Ligand 4Chemokine (C-C-Motif) Ligand 5Chemokine (C-C-Motif) Receptor 4Chemokine (C-C-Motif) Receptor 5Chemokine (C-X-C-Motif) Ligand 2 Chemokine (C-X-C-Motif) Ligand 3Chemokine (C-X-C-Motif) Receptor 4Interleukin-10 Receptor BInterleukin-1 betaInterleukin-8Macrophage migration inhibitory factorMyeloid differentiation primary response gene (88)Pentraxin 3Toll-like Receptor 2Tumour necrosis factor-Receptor Superfamily 1AToll interacting protein | 2.612.4-0.73-0.75.21-0.6-0.53.311.8-0.61.32.2-1.4-1.31.3-1.5-2.6-1.3 |
|  | **Neutrophil chemotaxis (p: 0.05)** |
|  |  |  | CXCL3 IL1BIL8  | Chemokine (C-X-C-Motif) Ligand 3Interleukin-1 betaInterleukin-8 | 11.32.2 |