**Supplementary Table 8. IBD subtype-regulators of the pathological differences between CD and UC**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Gene Symbol** | **Entrez ID** | **CD vs Control** | ***P*-value** | **UC vs Control** | ***P*-value** | **CD vs UC** | ***P*-value** |
| **Foldchange** | **Foldchange** | **Foldchange** |
|  | 　 | 　 |
| GBP5 | 115362 | 8.2101 ↑ | 0.0013 \*\* | 3.8139 ↑ | 0.0002 \*\*\* | 2.1527 ↑ | 0.0315 \* |
| DEFB1 | 1672 | 0.5153 ↓ | 0.0949 | 0.1476 ↓ | 0.0000 \*\*\* | 3.4917 ↑ | 0.0137 \* |
| IFNG | 3458 | 7.6943 ↑ | 0.0004 \*\*\* | 2.8725 ↑ | 0.0062 \*\* | 2.6786 ↑ | 0.0013 \*\* |
| CXCL10 | 3627 | 16.8728 ↑ | 0.0001 \*\*\* | 6.7507 ↑ | 0.0004 \*\*\* | 2.4994 ↑ | 0.0213 \* |
| LTB | 4050 | 2.6664 ↑ | 0.0032 \*\* | 1.2567 ↑ | 0.2097 | 2.1217 ↑ | 0.0405 \* |
| PTGS2 | 5743 | 17.6607 ↑ | 0.0000 \*\*\* | 4.2036 ↑ | 0.0029 \*\* | 4.2014 ↑ | 0.0023 \*\* |
| SOCS3 | 9021 | 6.6900 ↑ | 0.0003 \*\*\* | 2.5505 ↑ | 0.0154 \* | 2.6230 ↑ | 0.0443 \* |
| CCL3 | 6348 | 8.8005 ↑ | 0.0001 \*\*\* | 2.3032 ↑ | 0.0090 \*\* | 3.8210 ↑ | 0.0421 \* |
| The arrows mean the up or down regulation of gene expressions. \* indicates that the gene is significant differentially expressed (|log2(FC)|>log2(2); FDR < 0.05). FC represents fold change. *P*-value was sorted by ascending. |
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