**Supplementary Table 9. Expression of *IFNG*, *GBP5* and *NLRP3* in transcriptome data and qRT-PCR validation**

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| **Gene Symbol** | **Entrez ID** |  | **CD vs Control** | ***P*-value** | **UC vs Control** | ***P*-value** | **CD vs UC** | ***P*-value** |
| **mRNA/Protein** | **Foldchange** | **Foldchange** | **Foldchange** |
|  |  | 　 | 　 |
| *IFNG* | 3458 | mRNA (discovery) | 7.6943 ↑ | 0.0004 \*\*\* | 2.8725 ↑ | 0.0062 \*\* | 2.6786 ↑ | 0.0013 \*\* |
| *IFNG* | 3458 | mRNA (validate) | 30.7315 ↑ | 0.0407 \* | 4.6399 ↑ | 0.6049 | 6.6231 ↑ | 0.0166 \* |
| *IFNG* | 3458 | Protein (PCR) | 9.6364 ↑ | 0.0001 \*\*\* | 2.2635 ↑ | 0.8861 | 4.2572 ↑ | 0.0189 \* |
| *GBP5* | 115362 | mRNA (discovery) | 8.2101 ↑ | 0.0013 \*\* | 3.8139 ↑ | 0.0002 \*\*\* | 2.1527 ↑ | 0.0315 \* |
| *GBP5* | 115362 | mRNA (validate) | 9.1559 ↑ | 0.0425 \* | 1.9832 ↑ | 0.85666 | 4.6166 ↑ | 0.0029 \*\* |
| *GBP5* | 115362 | Protein (PCR) | 20.9170↑ | <0.0001 \*\*\* | 4.0018↑ | 0.7375 | 5.2268↑ | 0.0052 \*\* |
| *NLRP3* | 114548 | mRNA (discovery) | 4.3757↑ | 0.0011 \*\*\* | 1.5864↑ | 0.1880 | 2.7583↑ | 0.0212 \* |
| *NLRP3* | 114548 | mRNA (validate) | 2.7519 ↑ | 0.0198 \* | 1.6082 ↑ | 0.8831 | 1.7111 ↑ | 0.0349 \* |
| *NLRP3* | 114548 | Protein (PCR) | 2.8261 ↑ | 0.0169 \* | 1.1633 ↑ | 0.9813 | 2.4293 ↑ | 0.1436 |

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.