

Table 1 Functional enrichment analysis for genes related with bona fide c-DMSs

| Term | Genes |
|---|--|
| Cell-cell signaling | <i>EREG, HTR2A, GRIA4, CCL20, KCNIP1</i> |
| Defense response | <i>DEFA1, DEFA6, ITGB6, CCL20, TNFRSF4</i> |
| Cell adhesion | <i>PGM5, DEFA6, ICAM4, MSLN, SIGLEC10</i> |
| Biological adhesion | <i>PGM5, ITGB6, ICAM4, MSLN, SIGLEC10</i> |
| Cell proliferation | <i>PDZK1, MT3, EREG, TNFRSF4, CCL20</i> |
| Response to wounding | <i>EREG, ITGB6, CCL20, TNFRSF4</i> |
| Digestion | <i>CAPN9, CAPN9, TFF2</i> |
| Defense response to bacterium | <i>DEFA1, DEFA6, CCL20</i> |
| Response to bacterium | <i>DEFA1, DEFA6, CCL20</i> |
| Negative regulation of cell differentiation | <i>MT3, EREG, DLL3</i> |
| Positive regulation of multicellular organismal process | <i>EREG, HTR2A, GRIA4</i> |
| Defense response to fungus | <i>DEFA1, DEFA6</i> |
| Killing of cells of another organism | <i>DEFA1, DEFA6</i> |
| Regulation of synaptic transmission, glutamatergic | <i>HTR2A, GRIA4</i> |
| Cell killing | <i>DEFA1, DEFA6</i> |
| Response to fungus | <i>DEFA1, DEFA6</i> |
| Negative regulation of neurogenesis | <i>MT3, DLL3</i> |
| Negative regulation of cell development | <i>MT3, DLL3</i> |

Note: Only annotations with p value < 0.05 for GO in all levels are listed here