**Supplemental Table 4: Panther Biological Process Analysis**

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| --- | --- | --- | --- |
| **Biological Process** | **number** | **±** | **P value** |
| **DMSO vs. IDFP** |  |  |  |
| Cell adhesion | 175 | + | 0.00003 |
| Biological process unclassified | 2524 | - | 0.00005 |
| Cell structure and motility | 389 | + | 0.00181 |
| Homeostasis | 80 | + | 0.00315 |
| Lipid, fatty acid and steroid metabolism | 401 | + | 0.00354 |
| Extracellular matrix protein-mediated signaling | 30 | + | 0.00551 |
| Sulfur metabolism | 42 | + | 0.01200 |
| Cell communication | 318 | + | 0.01750 |
| Fatty acid metabolism | 109 | + | 0.04710 |
| Growth factor homeostasis | 7 | + | 0.04810 |
| **IDFP vs. IDFP/Am251** |  |  |  |
| rRNA metabolism | 45 | + | 0.00281 |
| Lipid, fatty acid and steriod metabolism | 401 | + | 0.00471 |