**Supplementary Table 1.** Gene set enrichment analysis of downregulated pathways in response to high sFlt-1. The normalized enrichment score (NES) and the false discovery rate FDR with adjusted p value (or q-value) FDR-q val are indicated in the table.

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** | **SIZE** | **NES** | **FDR q-val** |
| OLFACTORY.SIGNALING.PATHWAY | 285 | -2.395.588 | <0.000001 |
| ACTIVATION.OF.G.PROTEIN.GATED.POTASSIUM.CHANNELS | 22 | -19.603.674 | 0.025346 |
| CLASS.C.3.METABOTROPIC.GLUTAMATE.PHEROMONE.RECEPTORS. | 31 | -19.539.561 | 0.018251 |
| INHIBITION.OF.VOLTAGE.GATED.CA2.CHANNELS.VIA.GBETA.GAMMA.SUBUNITS | 22 | -19.166.493 | 0.022355 |
| POTASSIUM.CHANNELS | 92 | -18.999.729 | 0.021133 |
| G.PROTEIN.GATED.POTASSIUM.CHANNELS | 22 | -18.962.557 | 0.018315 |
| INWARDLY.RECTIFYING.K.CHANNELS | 28 | -17.933.321 | 0.047358 |
| WP473.GPCRS.CLASS.A.RHODOPSIN.LIKE | 222 | -1.744.559 | 0.066928 |
| SIRT1.NEGATIVELY.REGULATES.RRNA.EXPRESSION | 26 | -1.669.726 | 0.116847 |
| AMINE.DERIVED.HORMONES | 15 | -16.543.319 | 0.120041 |