**Table S1:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gene symbol** | **Affymetrix ID** | **6-OHDA: STN-HFS-effect** | | | | | **Vehicle: STN-HFS-effect** | | | | | **Lesion-effect** |
|  |  | **slr** | **signal stim** | | **signal no-stim** | | **slr** | **signal stim** | | **signal no-stim** | | **slr** |
|  |  | **mean** | **MA1** | **MA2** | **MA1** | **MA2** | **mean** | **MA1** | **MA2** | **MA1** | **MA2** | **mean** |
| RT1-Db1 | 1370383\_s\_at | -2.7 | 49.7 | 318.5 | 1004.4 | 623.3 | - | 173.9 | 363 | 199.7 | 272.4 | 1.9 |
| RT1-Da | 1370883\_at | -2.7 | 193.3 | 1157.9 | 4215.7 | 2001.5 | - | 721.5 | 1072.8 | 1007.1 | 915.3 | 1.5 |
| RT1-Bb | 1371033\_at | -2.6 | 52.9 | 266.5 | 938.4 | 627.8 | - | 159.9 | 305.3 | 260 | 255.9 | 1.5 |
| Cd74 | 1367679\_at | -2.4 | 402 | 2180.5 | 6785.3 | 3795.2 | - | 1769.4 | 2225.8 | 2479.7 | 1765.6 | 1.2 |
| RT1-Ba | 1381593\_x\_at | -2.4 | 315.1 | 1824.3 | 4493 | 3368.4 | - | 1339.3 | 2039.5 | 1874.4 | 1792.9 | 1.2 |