**Table S2**.

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| --- | --- | --- | --- |
| *Unigen* | *Symbol* | *Description* | *Fold Change* |
|  |  |  | *SK-N-JD (OHT/control)* |
| Hs.95120 | *CYGB* | Cytoglobin | 9.43 |
| Hs.502823 | *PRDX5* | Peroxiredoxin 5 | 0.92 |
| Hs.502917 | *CCS* | Copper chaperone for superoxide dismutase | 0.94 |
| Hs.728817 | *TXNRD1* | Thioredoxin reductase 1 | 0.96 |
| Hs.134602 | *TTN* | Titin | 1.23 |
| Hs.443430 | *TXNRD2* | Thioredoxin reductase 2 | 1.06 |
| Hs.251386 | *PRG3* | Proteoglycan 3 | 0.22 |
| Hs.234742 | *LPO* | Lactoperoxidase | 0.24 |
| Hs.631770 | *DGKK* | Diacylglycerol kinase, kappa | 2.67 |
| Hs.239 | *FOXM1* | Forkhead box M1 | 1.10 |
| Hs.146559 | *ANGPTL7* | Angiopoietin-like 7 | 0.72 |
| Hs.654439 | *APOE* | Apolipoprotein E | 1.71 |
| Hs.128856 | *SCARA3* | Scavenger receptor class A, member 3 | 1.28 |
| Hs.180909 | *PRDX1* | Peroxiredoxin 1 | 0.96 |
| Hs.467554 | *TPO* | Thyroid peroxidase | 1.38 |
| *Genes upregulated* |  |  |
| Hs.333358 | *GPR156* | G protein-coupled receptor 156 | 1.34 |
| Hs.71377 | *DUOX2* | Dual oxidase 2 | 0.81 |