

SM-Table 7: Genes Significantly Downregulated (>2 fold, p<0.05) in HTM Cells Phagocytically Challenged to E. coli Under Oxidative Stress Conditions

| Gene Title | Gene Symbol | UniGene ID | Fold | PValue | Chromosomal Location |
|---|-------------|------------|------|----------|----------------------|
| tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain | TNFRSF10D | Hs.213467 | 4.11 | 2.13E-06 | chr8p21 |
| endothelin 3 | EDN3 | Hs.1408 | 4.04 | 2.59E-05 | chr20q13.2-q13.3 |
| ribosomal protein L27a | RPL27A | Hs.523463 | 3.08 | 2.97E-04 | chr11p15 |
| | | Hs.26766 | 2.76 | 6.94E-05 | |
| ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation) | CLN8 | Hs.127675 | 2.68 | 1.29E-05 | chr8p23 |
| sclerostin domain containing 1 | SOSTDC1 | Hs.648106 | 2.65 | 3.88E-05 | chr7p21.1 |
| AF4/FMR2 family, member 3 | AFF3 | Hs.444414 | 2.64 | 1.05E-04 | chr2q11.2-q12 |
| C1q and tumor necrosis factor related protein 7 | C1QTNF7 | Hs.153714 | 2.57 | 6.13E-05 | chr4p16-p15 |
| Fibroblast growth factor 18 | FGF18 | Hs.87191 | 2.57 | 2.61E-06 | chr5q34 |
| nanos homolog 1 (Drosophila) | NANOS1 | Hs.591918 | 2.52 | 2.21E-04 | chr10q26.11 |
| aldehyde dehydrogenase 1 family, member A1 | ALDH1A1 | Hs.76392 | 2.47 | 9.83E-04 | chr9q21.13 |
| aquaporin 1 (Colton blood group) | AQP1 | Hs.76152 | 2.46 | 1.45E-03 | chr7p14 |
| | | Hs.554052 | 2.41 | 1.39E-02 | |
| DIRAS family, GTP-binding RAS-like 2 | DIRAS2 | Hs.165636 | 2.31 | 1.37E-04 | chr9q22.2 |
| 5'-nucleotidase domain containing 2 | NT5DC2 | Hs.84753 | 2.27 | 5.56E-05 | chr3p21.1 |
| interleukin 17 receptor D | IL17RD | Hs.150725 | 2.27 | 9.36E-04 | chr3p14.3 |
| cyclin-dependent kinase inhibitor 1C (p57, Kip2) | CDKN1C | Hs.106070 | 2.23 | 5.05E-06 | chr11p15.5 |
| odd-skipped related 2 (Drosophila) | OSR2 | Hs.253247 | 2.22 | 8.40E-06 | chr8q22.2 |
| nuclear transcription factor Y, alpha | NFYA | Hs.10441 | 2.19 | 6.62E-04 | chr6p21.3 |
| EPH receptor A3 | EPHA3 | Hs.123642 | 2.18 | 7.27E-06 | chr3p11.2 |
| potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2 | KCNN2 | Hs.98280 | 2.12 | 5.53E-04 | chr5q22.3 |
| H19, imprinted maternally expressed transcript (non-protein coding) | H19 | Hs.533566 | 2.08 | 2.21E-06 | chr11p15.5 |
| melanocortin 2 receptor accessory protein 2 | MRAP2 | Hs.370055 | 2.07 | 2.44E-04 | chr6q14.3 |
| family with sequence similarity 172, member A | FAM172A | Hs.600086 | 2.06 | 3.20E-05 | chr5q15 |
| small nuclear ribonucleoprotein polypeptide N | SNRPN | Hs.592473 | 2.05 | 2.34E-02 | chr15q11.2 |
| secretogranin II (chromogranin C) | SCG2 | Hs.516726 | 2.05 | 5.20E-06 | chr2q35-q36 |
| G protein-coupled receptor 37 (endothelin receptor type B-like) | GPR37 | Hs.406094 | 2.03 | 1.34E-04 | chr7q31 |
| carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6 | CHST6 | Hs.655622 | 2.02 | 2.35E-04 | chr16q22 |
| | | Hs.534221 | 2.01 | 1.48E-04 | |
| hydroxysteroid (17-beta) dehydrogenase 6 homolog (mouse) | HSD17B6 | Hs.524513 | 2.01 | 1.58E-03 | chr12q13 |