**NMV v Control microarray analysis**

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| Affymetrix ID | Gene Symbol | Gene | Fold Change |
| 228778\_at | MCPH1 | microcephalin 1 | 0.83123 |
| 1561323\_at | LOC339975 | uncharacterized LOC339975 | 0.83122 |
| 216920\_s\_at | TARP /// TRGC1 /// TRGC2 /// TRGV9 | TCR gamma alternate reading frame protein /// T cell receptor gamma constant 1 /// T cell receptor gamma constant 2 /// T cell receptor gamma variable 9 | 0.831089 |
| 204098\_at | RBMX2 | RNA binding motif protein, X-linked 2 | 0.83081 |
| 208424\_s\_at | CIAPIN1 | cytokine induced apoptosis inhibitor 1 | 0.830713 |
| 244721\_at | TP53INP1 | tumor protein p53 inducible nuclear protein 1 | 0.83013 |
| 53071\_s\_at | OGFOD3 | 2-oxoglutarate and iron-dependent oxygenase domain containing 3 | 0.829087 |
| 217857\_s\_at | RBM8A | RNA binding motif protein 8A | 0.827944 |
| 204370\_at | CLP1 | cleavage and polyadenylation factor I subunit 1 | 0.827192 |
| 240642\_at | ZMYM2 | zinc finger, MYM-type 2 | 0.826446 |
| 229632\_s\_at | INTS10 | integrator complex subunit 10 | 0.826002 |
| 224934\_at | YIPF5 | Yip1 domain family member 5 | 0.825652 |
| 214663\_at | DSTYK | dual serine/threonine and tyrosine protein kinase | 0.825621 |
| 1561732\_at | LOC101929181 | uncharacterized LOC101929181 | 0.825214 |
| 1560432\_at | CLRN1-AS1 | CLRN1 antisense RNA 1 | 0.824844 |
| 242545\_at | TTLL11 | tubulin tyrosine ligase-like family member 11 | 0.824822 |
| 203646\_at | FDX1 | ferredoxin 1 | 0.824635 |
| 219929\_s\_at | ZFYVE21 | zinc finger, FYVE domain containing 21 | 0.824218 |
| 224208\_at | PLEKHA8 | pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8 | 0.823823 |
| 216973\_s\_at | HOXB7 | homeobox B7 | 0.823507 |

**Top 20 downregulated genes in NMV treated hCMEC/D3 cells**

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| Affymetrix ID | Gene Symbol | Gene | Fold Change |
| 1559655\_at | MAMDC2-AS1 | MAMDC2 antisense RNA 1 | 2.22 |
| 210669\_at | TFAP2A | transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha) | 1.96 |
| 233753\_at | SCAF4 | SR-related CTD-associated factor 4 | 1.89 |
| 1563207\_at | IGF2BP2-AS1 | IGF2BP2 antisense RNA 1 | 1.79 |
| 208054\_at | HERC4 | HECT and RLD domain containing E3 ubiquitin protein ligase 4 | 1.78 |
| 217248\_s\_at | SLC7A8 | solute carrier family 7 (amino acid transporter light chain, L system), member 8 | 1.76 |
| 1565722\_at | LOC100128281 | uncharacterized LOC100128281 | 1.76 |
| 1563208\_s\_at | IGF2BP2-AS1 | IGF2BP2 antisense RNA 1 | 1.75 |
| 222254\_at | COX6CP2 | cytochrome c oxidase subunit VIc pseudogene 2 | 1.75 |
| 1568801\_at | VWA9 | von Willebrand factor A domain containing 9 | 1.74 |
| 1564907\_s\_at | MATR3 /// SNHG4 | matrin 3 /// small nucleolar RNA host gene 4 | 1.70 |
| 224166\_at | SLC25A2 | solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 2 | 1.69 |
| 1569617\_at | OSBP2 | oxysterol binding protein 2 | 1.68 |
| 241751\_at | OFD1 | oral-facial-digital syndrome 1 | 1.63 |
| 1568665\_at | RNF103 | ring finger protein 103 | 1.63 |
| 232727\_at | UCKL1 | uridine-cytidine kinase 1-like 1 | 1.60 |
| 232361\_s\_at | EHF | ets homologous factor | 1.59 |
| 207550\_at | MPL | MPL proto-oncogene, thrombopoietin receptor | 1.59 |
| 228632\_at | MEG9 | maternally expressed 9 (non-protein coding) | 1.56 |
| 222611\_s\_at | PSPC1 | paraspeckle component 1 | 1.55 |