**Table S2**. The list of genes significantly repressed by Cadmium in Human Urothelial Cells.

|  |  |  |  |
| --- | --- | --- | --- |
| **Probe** | **Gene Symbol** | **Fold Change** | **FDR** |
| 200665\_s\_at | SPARC | 0.01 | 0.002819 |
| 204698\_at | ISG20 | 0.03 | 7.96E-05 |
| 242625\_at | RSAD2 | 0.03 | 0.002166 |
| 228575\_at | IL20RB | 0.03 | 3.34E-05 |
| 227361\_at | HS3ST3B1 | 0.04 | 0.00297 |
| 213797\_at | RSAD2 | 0.04 | 0.001929 |
| 213122\_at | TSPYL5 | 0.04 | 0.003928 |
| 205234\_at | SLC16A4 | 0.05 | 0.001912 |
| 204830\_x\_at | PSG5 | 0.05 | 0.000465 |
| 211794\_at | FYB | 0.05 | 0.002711 |
| 219593\_at | SLC15A3 | 0.06 | 0.000441 |
| 231925\_at | NA | 0.06 | 0.005368 |
| 202179\_at | BLMH | 0.07 | 0.004604 |
| 222829\_s\_at | IL20RA | 0.08 | 0.00488 |
| 1553333\_at | C1orf161 | 0.09 | 0.012253 |
| 1555854\_at | NA | 0.09 | 0.000745 |
| 222760\_at | ZNF703 | 0.10 | 0.000646 |
| 203980\_at | FABP4 | 0.10 | 0.007389 |
| 230563\_at | RASGEF1A | 0.10 | 0.00887 |
| 213240\_s\_at | KRT4 | 0.11 | 0.014056 |
| 225540\_at | MAP2 | 0.11 | 0.03518 |
| 226757\_at | IFIT2 | 0.11 | 0.002719 |
| 217502\_at | IFIT2 | 0.12 | 0.001194 |
| 204614\_at | SERPINB2 | 0.12 | 0.013541 |
| 204560\_at | FKBP5 | 0.12 | 0.008223 |
| 232693\_s\_at | NA | 0.13 | 0.008159 |
| 208087\_s\_at | ZBP1 | 0.13 | 0.01275 |
| 235696\_at | NA | 0.13 | 0.002396 |
| 219368\_at | NAP1L2 | 0.13 | 0.03883 |
| 211741\_x\_at | PSG3 | 0.14 | 0.003652 |
| 238584\_at | IQCA1 | 0.14 | 0.029904 |
| 235737\_at | TSLP | 0.14 | 0.010489 |
| 235411\_at | PGBD1 | 0.14 | 0.022129 |
| 204994\_at | MX2 | 0.15 | 0.006758 |
| 222909\_s\_at | BAG4 | 0.15 | 0.016824 |
| 205421\_at | SLC22A3 | 0.15 | 0.014939 |
| 226955\_at | AFAP1L1 | 0.16 | 0.017161 |
| 216244\_at | IL1RN | 0.16 | 0.048963 |
| 241871\_at | CAMK4 | 0.17 | 0.049739 |
| 224148\_at | FYB | 0.17 | 0.001001 |
| 203153\_at | IFIT1 | 0.18 | 0.024817 |
| 218694\_at | ARMCX1 | 0.18 | 0.000976 |
| 203888\_at | THBD | 0.18 | 0.0278 |
| 206136\_at | FZD5 | 0.18 | 0.014384 |
| 223741\_s\_at | TTYH2 | 0.18 | 0.017518 |
| 205285\_s\_at | FYB | 0.19 | 0.006528 |
| AFFX-HUMISGF3A/M97935\_5\_at | STAT1 | 0.19 | 0.011272 |
| 226702\_at | CMPK2 | 0.19 | 0.02493 |
| 1567013\_at | NFE2L2 | 0.20 | 0.00065 |
| 209699\_x\_at | AKR1C2 | 0.20 | 0.021386 |
| 202718\_at | IGFBP2 | 0.20 | 0.029372 |
| 39549\_at | NPAS2 | 0.20 | 0.036503 |
| 206133\_at | XAF1 | 0.20 | 0.020515 |
| 202345\_s\_at | FABP5 | 0.20 | 0.000359 |
| 229427\_at | SEMA5A | 0.20 | 0.007163 |
| 204747\_at | IFIT3 | 0.20 | 0.015806 |
| 207455\_at | P2RY1 | 0.20 | 0.00107 |
| 231867\_at | ODZ2 | 0.20 | 0.000945 |
| 207849\_at | IL2 | 0.21 | 0.0318 |
| 33304\_at | ISG20 | 0.21 | 0.002994 |
| 203963\_at | CA12 | 0.21 | 0.018751 |
| 209969\_s\_at | STAT1 | 0.21 | 0.007042 |
| 204533\_at | CXCL10 | 0.21 | 0.00087 |
| 216926\_s\_at | KIAA0892 | 0.21 | 0.021158 |
| 201348\_at | GPX3 | 0.22 | 0.03514 |
| 211653\_x\_at | AKR1C2 | 0.22 | 0.024072 |
| 219118\_at | FKBP11 | 0.22 | 0.002437 |
| 225664\_at | COL12A1 | 0.22 | 0.025647 |
| 223044\_at | SLC40A1 | 0.22 | 0.038029 |
| 211122\_s\_at | CXCL11 | 0.22 | 0.001371 |
| 217626\_at | NA | 0.23 | 0.004204 |
| 204948\_s\_at | FST | 0.23 | 0.000521 |
| 201367\_s\_at | ZFP36L2 | 0.23 | 0.007163 |
| 214091\_s\_at | GPX3 | 0.23 | 0.030455 |
| 203887\_s\_at | THBD | 0.23 | 0.006232 |
| 230275\_at | ARSI | 0.23 | 0.00567 |
| 228620\_at | NA | 0.23 | 0.023915 |
| 211795\_s\_at | FYB | 0.23 | 0.010222 |
| 1557924\_s\_at | ALPL | 0.23 | 0.018369 |
| 226847\_at | FST | 0.23 | 0.000874 |
| 1562250\_at | NA | 0.23 | 0.038256 |
| 210086\_at | HR | 0.23 | 0.010415 |
| 209720\_s\_at | SERPINB3 | 0.24 | 0.018081 |
| 242277\_at | NA | 0.24 | 0.001852 |
| 230036\_at | SAMD9L | 0.24 | 0.017649 |
| 231577\_s\_at | GBP1 | 0.24 | 0.0229 |
| 205352\_at | SERPINI1 | 0.24 | 0.018842 |
| 1553808\_a\_at | NKX2-3 | 0.24 | 0.039711 |
| 202869\_at | OAS1 | 0.24 | 0.011381 |
| 229450\_at | IFIT3 | 0.25 | 0.014563 |
| 209594\_x\_at | PSG9 | 0.25 | 0.000338 |
| 219209\_at | IFIH1 | 0.25 | 0.008353 |
| 223316\_at | CCDC3 | 0.25 | 0.009125 |
| 219684\_at | RTP4 | 0.25 | 0.007669 |
| 231766\_s\_at | COL12A1 | 0.25 | 0.04092 |
| 216594\_x\_at | AKR1C1 | 0.25 | 0.037893 |
| 219352\_at | HERC6 | 0.25 | 0.017573 |
| 210786\_s\_at | FLI1 | 0.25 | 0.026588 |
| 227266\_s\_at | FYB | 0.25 | 0.014319 |
| 203851\_at | IGFBP6 | 0.26 | 0.013419 |
| 210505\_at | ADH7 | 0.26 | 0.000107 |
| 1555464\_at | IFIH1 | 0.26 | 0.029056 |
| 207345\_at | FST | 0.26 | 0.001294 |
| 227662\_at | SYNPO2 | 0.26 | 0.039678 |
| 225895\_at | SYNPO2 | 0.26 | 0.008864 |
| 224724\_at | SULF2 | 0.26 | 0.005424 |
| 204151\_x\_at | AKR1C1 | 0.26 | 0.028652 |
| 228439\_at | BATF2 | 0.26 | 0.046101 |
| 210015\_s\_at | MAP2 | 0.26 | 0.025096 |
| 209792\_s\_at | KLK10 | 0.26 | 0.000882 |
| 1559776\_at | GM2A | 0.26 | 0.002574 |
| 209719\_x\_at | SERPINB3 | 0.27 | 0.009403 |
| 228714\_at | NA | 0.27 | 0.002913 |
| 227016\_at | ERICH1 | 0.27 | 0.001205 |
| 205660\_at | OASL | 0.27 | 0.0218 |
| 201481\_s\_at | PYGB | 0.27 | 0.025085 |
| AFFX-HUMISGF3A/M97935\_MA\_at | STAT1 | 0.27 | 0.010969 |
| 209587\_at | PITX1 | 0.27 | 0.004034 |
| AFFX-HUMISGF3A/M97935\_MB\_at | STAT1 | 0.27 | 0.008638 |
| 224013\_s\_at | SOX7 | 0.27 | 0.002434 |
| 210163\_at | CXCL11 | 0.27 | 0.007467 |
| 202270\_at | GBP1 | 0.27 | 0.042986 |
| 202269\_x\_at | GBP1 | 0.27 | 0.018792 |
| 210655\_s\_at | NA | 0.28 | 0.011321 |
| 223468\_s\_at | RGMA | 0.28 | 0.002592 |
| 232958\_at | NA | 0.28 | 0.027325 |
| 213169\_at | SEMA5A | 0.28 | 0.001194 |
| 222895\_s\_at | BCL11B | 0.28 | 0.001431 |
| 227188\_at | C21orf63 | 0.28 | 0.008404 |
| 233565\_s\_at | SDCBP2 | 0.28 | 0.003276 |
| 222717\_at | SDPR | 0.28 | 0.002348 |
| 226625\_at | TGFBR3 | 0.28 | 0.000881 |
| 229065\_at | SLC35F3 | 0.28 | 0.023161 |
| 209488\_s\_at | RBPMS | 0.28 | 0.000984 |
| 209921\_at | SLC7A11 | 0.29 | 0.001128 |
| 214422\_at | RAD23B | 0.29 | 0.047923 |
| 218454\_at | PLBD1 | 0.29 | 0.007404 |
| 1552648\_a\_at | TNFRSF10A | 0.29 | 0.016355 |
| 204070\_at | RARRES3 | 0.29 | 0.001203 |
| 214059\_at | IFI44 | 0.29 | 0.039547 |
| 1554703\_at | ARHGEF10 | 0.30 | 0.039762 |
| 231775\_at | TNFRSF10A | 0.30 | 0.000483 |
| 212739\_s\_at | NME4 | 0.30 | 0.019002 |
| 211319\_at | RAE1 | 0.30 | 0.039869 |
| 218954\_s\_at | BRF2 | 0.30 | 0.010475 |
| 205552\_s\_at | OAS1 | 0.30 | 0.032728 |
| 206504\_at | CYP24A1 | 0.30 | 0.018716 |
| 232654\_s\_at | NA | 0.30 | 0.004957 |
| 206237\_s\_at | NRG1 | 0.30 | 0.022039 |
| 204879\_at | PDPN | 0.30 | 0.011519 |
| 222487\_s\_at | RPS27L | 0.30 | 0.002951 |
| 219091\_s\_at | MMRN2 | 0.30 | 0.001843 |
| 219277\_s\_at | OGDHL | 0.30 | 0.013896 |
| 238716\_at | NA | 0.30 | 0.043646 |
| 1555330\_at | GCLC | 0.31 | 0.030733 |
| 223360\_at | C21orf56 | 0.31 | 0.031906 |
| 208891\_at | DUSP6 | 0.31 | 0.000638 |
| 218943\_s\_at | DDX58 | 0.31 | 0.008863 |
| 206553\_at | OAS2 | 0.31 | 0.005964 |
| 203343\_at | UGDH | 0.31 | 0.006055 |
| 232417\_x\_at | ZDHHC11 | 0.31 | 0.049547 |
| 209738\_x\_at | PSG6 | 0.31 | 0.000748 |
| 209939\_x\_at | CFLAR | 0.31 | 0.001852 |
| 203009\_at | BCAM | 0.31 | 0.020025 |
| 211317\_s\_at | CFLAR | 0.31 | 0.003573 |
| 212659\_s\_at | IL1RN | 0.31 | 0.012767 |
| 233555\_s\_at | SULF2 | 0.31 | 0.004719 |
| 203399\_x\_at | PSG3 | 0.31 | 0.010246 |
| 219269\_at | HMBOX1 | 0.31 | 0.017053 |
| 219115\_s\_at | IL20RA | 0.32 | 0.000503 |
| 204972\_at | OAS2 | 0.32 | 0.023963 |
| 208596\_s\_at | NA | 0.32 | 0.032178 |
| 202008\_s\_at | NID1 | 0.32 | 0.035744 |
| 212845\_at | SAMD4A | 0.32 | 0.009693 |
| 221245\_s\_at | FZD5 | 0.32 | 0.001946 |
| 227062\_at | NEAT1 | 0.32 | 0.028518 |
| 204952\_at | LYPD3 | 0.32 | 0.001136 |
| 224225\_s\_at | ETV7 | 0.32 | 0.007931 |
| 231259\_s\_at | CCND2 | 0.33 | 0.010489 |
| 206094\_x\_at | NA | 0.33 | 0.01035 |
| 211834\_s\_at | TP63 | 0.33 | 0.004195 |
| 219301\_s\_at | CNTNAP2 | 0.33 | 0.017158 |
| 204047\_s\_at | PHACTR2 | 0.33 | 0.000775 |
| 227917\_at | FAM85A | 0.33 | 0.000457 |
| 219117\_s\_at | FKBP11 | 0.33 | 0.00221 |
| 211588\_s\_at | NA | 0.33 | 0.005348 |
| 210754\_s\_at | LYN | 0.33 | 0.000507 |
| 204048\_s\_at | PHACTR2 | 0.33 | 0.000651 |
| 219856\_at | C1orf116 | 0.33 | 0.003446 |
| 233504\_at | C9orf84 | 0.33 | 0.001429 |
| 207126\_x\_at | NA | 0.33 | 0.01787 |
| 203585\_at | ZNF185 | 0.33 | 0.019757 |
| 217199\_s\_at | STAT2 | 0.33 | 0.024076 |
| 232517\_s\_at | PRIC285 | 0.33 | 0.005358 |
| 211862\_x\_at | CFLAR | 0.34 | 0.002752 |
| 238692\_at | BTBD11 | 0.34 | 0.008732 |
| 226279\_at | PRSS23 | 0.34 | 0.001708 |
| 201369\_s\_at | ZFP36L2 | 0.34 | 0.004622 |
| 203596\_s\_at | IFIT5 | 0.34 | 0.033493 |
| 1552546\_a\_at | LETM2 | 0.34 | 0.005414 |
| 208502\_s\_at | PITX1 | 0.34 | 0.001886 |
| 228010\_at | PPP2R2C | 0.34 | 0.000567 |
| 221187\_s\_at | FUZ | 0.34 | 0.015486 |
| 210797\_s\_at | OASL | 0.34 | 0.020728 |
| 203147\_s\_at | TRIM14 | 0.34 | 0.002128 |
| 207717\_s\_at | PKP2 | 0.34 | 0.001873 |
| 207836\_s\_at | RBPMS | 0.35 | 0.017592 |
| 238105\_x\_at | WNT7B | 0.35 | 0.009542 |
| 211883\_x\_at | CEACAM1 | 0.35 | 0.005396 |
| 212923\_s\_at | C6orf145 | 0.35 | 0.003464 |
| 40093\_at | BCAM | 0.35 | 0.014345 |
| 215891\_s\_at | GM2A | 0.35 | 0.003912 |
| 216243\_s\_at | IL1RN | 0.35 | 0.014918 |
| 242961\_x\_at | DDX58 | 0.35 | 0.002882 |
| 241371\_at | NA | 0.35 | 0.003602 |
| 204858\_s\_at | TYMP | 0.35 | 0.003427 |
| 227725\_at | ST6GALNAC1 | 0.35 | 0.012243 |
| 218999\_at | TMEM140 | 0.35 | 0.015937 |
| 221870\_at | EHD2 | 0.35 | 0.006171 |
| 227475\_at | FOXQ1 | 0.35 | 0.026411 |
| 228421\_s\_at | EFEMP1 | 0.35 | 0.009904 |
| 227642\_at | TFCP2L1 | 0.35 | 0.048701 |
| 215783\_s\_at | ALPL | 0.36 | 0.01707 |
| 205623\_at | ALDH3A1 | 0.36 | 0.006978 |
| 209611\_s\_at | SLC1A4 | 0.36 | 0.005227 |
| 221770\_at | RPE | 0.36 | 0.001988 |
| 207788\_s\_at | SORBS3 | 0.36 | 0.023972 |
| 218149\_s\_at | ZNF395 | 0.36 | 0.000906 |
| 211195\_s\_at | TP63 | 0.36 | 0.003894 |
| 204731\_at | TGFBR3 | 0.36 | 0.003525 |
| 212831\_at | MEGF9 | 0.36 | 0.041423 |
| 239247\_at | LOC401577 | 0.36 | 0.043643 |
| 204537\_s\_at | GABRE | 0.36 | 0.029451 |
| 219011\_at | PLEKHA4 | 0.36 | 0.008006 |
| 232746\_at | CXCR7 | 0.36 | 0.001313 |
| 209610\_s\_at | SLC1A4 | 0.36 | 0.001866 |
| 206424\_at | CYP26A1 | 0.36 | 0.031399 |
| 205375\_at | MDFI | 0.36 | 0.001058 |
| 244774\_at | PHACTR2 | 0.36 | 0.010692 |
| 208485\_x\_at | CFLAR | 0.36 | 0.002181 |
| 215867\_x\_at | CA12 | 0.36 | 0.008119 |
| 223216\_x\_at | ZNF395 | 0.36 | 0.002773 |
| 219691\_at | SAMD9 | 0.36 | 0.014107 |
| 223912\_s\_at | CLN8 | 0.36 | 0.004402 |
| 208230\_s\_at | NRG1 | 0.36 | 0.006876 |
| 205206\_at | KAL1 | 0.37 | 0.003652 |
| 224996\_at | ASPH | 0.37 | 0.003229 |
| 209556\_at | NCDN | 0.37 | 0.004373 |
| 221898\_at | PDPN | 0.37 | 0.022571 |
| 227070\_at | GLT8D2 | 0.37 | 0.021584 |
| 223298\_s\_at | NT5C3 | 0.37 | 0.00538 |
| 219962\_at | ACE2 | 0.37 | 0.009875 |
| 205241\_at | SCO2 | 0.37 | 0.002103 |
| 203725\_at | GADD45A | 0.37 | 0.004003 |
| 219211\_at | USP18 | 0.37 | 0.022227 |
| 226109\_at | C21orf91 | 0.37 | 0.000668 |
| 221123\_x\_at | ZNF395 | 0.37 | 0.004107 |
| 225076\_s\_at | ZNFX1 | 0.37 | 0.004703 |
| 202625\_at | LYN | 0.37 | 0.002931 |
| 207043\_s\_at | SLC6A9 | 0.37 | 0.006221 |
| AFFX-HUMISGF3A/M97935\_3\_at | STAT1 | 0.37 | 0.012624 |
| 208012\_x\_at | SP110 | 0.37 | 0.002113 |
| 202626\_s\_at | LYN | 0.37 | 0.002024 |
| 204532\_x\_at | NA | 0.37 | 0.016727 |
| 222874\_s\_at | CLN8 | 0.37 | 0.000853 |
| 200887\_s\_at | STAT1 | 0.37 | 0.017096 |
| 225008\_at | ASPH | 0.37 | 0.003471 |
| 205569\_at | LAMP3 | 0.37 | 0.006538 |
| 208961\_s\_at | KLF6 | 0.37 | 0.001372 |
| 205170\_at | STAT2 | 0.37 | 0.001355 |
| 205770\_at | GSR | 0.38 | 0.00122 |
| 218400\_at | OAS3 | 0.38 | 0.013539 |
| 209294\_x\_at | TNFRSF10B | 0.38 | 0.005627 |
| 214154\_s\_at | PKP2 | 0.38 | 0.014302 |
| 222793\_at | DDX58 | 0.38 | 0.007367 |
| 215125\_s\_at | NA | 0.38 | 0.038822 |
| 227974\_at | NA | 0.38 | 0.002948 |
| 208892\_s\_at | DUSP6 | 0.38 | 0.002578 |
| 204141\_at | TUBB2A | 0.38 | 0.018486 |
| 237690\_at | GPR115 | 0.38 | 0.018052 |
| 224989\_at | NA | 0.38 | 0.026231 |
| 212657\_s\_at | IL1RN | 0.38 | 0.029248 |
| 236619\_at | NA | 0.38 | 0.03805 |
| 212810\_s\_at | SLC1A4 | 0.38 | 0.001095 |
| 1552378\_s\_at | RDH10 | 0.38 | 0.023653 |
| 204049\_s\_at | PHACTR2 | 0.38 | 0.002145 |
| 209761\_s\_at | SP110 | 0.38 | 0.009399 |
| 209487\_at | RBPMS | 0.38 | 0.002659 |
| 229303\_at | NA | 0.38 | 0.002156 |
| 229638\_at | IRX3 | 0.38 | 0.011101 |
| 225609\_at | GSR | 0.38 | 0.00212 |
| 211552\_s\_at | ALDH4A1 | 0.38 | 0.00245 |
| 231274\_s\_at | NA | 0.38 | 0.007503 |
| 1562102\_at | AKR1C1 | 0.38 | 0.0137 |
| 227102\_at | TRIM35 | 0.39 | 0.005451 |
| 201957\_at | PPP1R12B | 0.39 | 0.008755 |
| 209079\_x\_at | NA | 0.39 | 0.003381 |
| 201752\_s\_at | ADD3 | 0.39 | 0.003655 |
| 227816\_at | NTN1 | 0.39 | 0.021679 |
| 1557236\_at | APOL6 | 0.39 | 0.026497 |
| 201753\_s\_at | ADD3 | 0.39 | 0.006379 |
| 33646\_g\_at | GM2A | 0.39 | 0.002023 |
| 209385\_s\_at | PROSC | 0.39 | 0.00305 |
| 211929\_at | HNRNPA3 | 0.39 | 0.004873 |
| 209135\_at | ASPH | 0.39 | 0.000674 |
| 207713\_s\_at | RBCK1 | 0.39 | 0.000637 |
| 204249\_s\_at | LMO2 | 0.39 | 0.01001 |
| 238460\_at | FAM83A | 0.39 | 0.02191 |
| 227947\_at | PHACTR2 | 0.39 | 0.000734 |
| 223218\_s\_at | NFKBIZ | 0.39 | 0.006458 |
| 232666\_at | OAS3 | 0.39 | 0.007316 |
| 223217\_s\_at | NFKBIZ | 0.39 | 0.009001 |
| 227899\_at | VIT | 0.39 | 0.000548 |
| 205467\_at | CASP10 | 0.39 | 0.015802 |
| 213274\_s\_at | CTSB | 0.40 | 0.0184 |
| 202755\_s\_at | GPC1 | 0.40 | 0.01953 |
| 223093\_at | ANKH | 0.40 | 0.001197 |
| 239899\_at | RNF145 | 0.40 | 0.042303 |
| 220941\_s\_at | C21orf91 | 0.40 | 0.000368 |
| 217681\_at | WNT7B | 0.40 | 0.010572 |
| 203236\_s\_at | LGALS9 | 0.40 | 0.001878 |
| 237105\_at | NA | 0.40 | 0.001881 |
| 227931\_at | INO80D | 0.40 | 0.000695 |
| 202864\_s\_at | SP100 | 0.40 | 0.028605 |
| 209508\_x\_at | CFLAR | 0.40 | 0.010716 |
| 1553956\_at | ALS2CR4 | 0.40 | 0.004559 |
| 213457\_at | MFHAS1 | 0.40 | 0.01179 |
| 232375\_at | NA | 0.40 | 0.00478 |
| 203595\_s\_at | IFIT5 | 0.40 | 0.035411 |
| 210735\_s\_at | CA12 | 0.40 | 0.017672 |
| 225040\_s\_at | RPE | 0.40 | 0.00414 |
| 212811\_x\_at | SLC1A4 | 0.40 | 0.000899 |
| 223094\_s\_at | ANKH | 0.40 | 0.001975 |
| 231034\_s\_at | NHSL1 | 0.40 | 0.00239 |
| 211316\_x\_at | CFLAR | 0.40 | 0.001312 |
| 216574\_s\_at | NA | 0.40 | 0.002613 |
| 224261\_at | NA | 0.41 | 0.00667 |
| 218887\_at | MRPL2 | 0.41 | 0.013111 |
| 203722\_at | ALDH4A1 | 0.41 | 0.013383 |
| 220076\_at | ANKH | 0.41 | 0.004286 |
| 206035\_at | REL | 0.41 | 0.033621 |
| 225239\_at | NA | 0.41 | 0.006502 |
| 201034\_at | ADD3 | 0.41 | 0.004093 |
| 200879\_s\_at | EPAS1 | 0.41 | 0.016214 |
| 210218\_s\_at | SP100 | 0.41 | 0.046938 |
| 202067\_s\_at | LDLR | 0.41 | 0.00348 |
| 212876\_at | B4GALT4 | 0.41 | 0.005374 |
| 208711\_s\_at | CCND1 | 0.41 | 0.009422 |
| 228607\_at | OAS2 | 0.41 | 0.009458 |
| 221960\_s\_at | RAB2A | 0.41 | 0.013506 |
| 221920\_s\_at | SLC25A37 | 0.41 | 0.005991 |
| 1552727\_s\_at | ADAMTS17 | 0.41 | 0.012362 |
| 230314\_at | NA | 0.41 | 0.008155 |
| 209365\_s\_at | ECM1 | 0.41 | 0.003818 |
| 242363\_at | NA | 0.41 | 0.011928 |
| 213568\_at | OSR2 | 0.41 | 0.010469 |
| 205882\_x\_at | ADD3 | 0.41 | 0.010049 |
| 208427\_s\_at | ELAVL2 | 0.41 | 0.004693 |
| 1558775\_s\_at | NSMAF | 0.41 | 0.017218 |
| 225510\_at | OAF | 0.42 | 0.006705 |
| 210540\_s\_at | B4GALT4 | 0.42 | 0.000975 |
| 205574\_x\_at | BMP1 | 0.42 | 0.014342 |
| 235678\_at | GM2A | 0.42 | 0.002956 |
| 210896\_s\_at | ASPH | 0.42 | 0.003693 |
| 209640\_at | PML | 0.42 | 0.041129 |
| 201375\_s\_at | PPP2CB | 0.42 | 0.000349 |
| 217299\_s\_at | NBN | 0.42 | 0.002592 |
| 203110\_at | PTK2B | 0.42 | 0.013579 |
| 202124\_s\_at | TRAK2 | 0.42 | 0.00947 |
| 228230\_at | PRIC285 | 0.42 | 0.009405 |
| 214313\_s\_at | EIF5B | 0.42 | 0.011859 |
| 239067\_s\_at | PANX2 | 0.42 | 0.013252 |
| 39402\_at | IL1B | 0.42 | 0.006668 |
| 218017\_s\_at | HGSNAT | 0.42 | 0.005184 |
| 222758\_s\_at | TMEM132A | 0.42 | 0.014281 |
| 223843\_at | SCARA3 | 0.42 | 0.011997 |
| 211825\_s\_at | NA | 0.42 | 0.031766 |
| 211194\_s\_at | TP63 | 0.42 | 0.00675 |
| 225039\_at | RPE | 0.42 | 0.000458 |
| 241869\_at | APOL6 | 0.42 | 0.012751 |
| 209727\_at | GM2A | 0.42 | 0.001584 |
| 220038\_at | NA | 0.43 | 0.00853 |
| 242944\_at | FAM83A | 0.43 | 0.015635 |
| 207595\_s\_at | BMP1 | 0.43 | 0.017658 |
| 206503\_x\_at | PML | 0.43 | 0.032458 |
| 205097\_at | SLC26A2 | 0.43 | 0.021804 |
| 203180\_at | ALDH1A3 | 0.43 | 0.013695 |
| 243271\_at | NA | 0.43 | 0.027106 |
| 1556190\_s\_at | PRNP | 0.43 | 0.004797 |
| 225912\_at | TP53INP1 | 0.43 | 0.003424 |
| 208436\_s\_at | IRF7 | 0.43 | 0.020263 |
| 209417\_s\_at | IFI35 | 0.43 | 0.016174 |
| 210563\_x\_at | CFLAR | 0.43 | 0.000668 |
| 243880\_at | GOSR2 | 0.43 | 0.006586 |
| 228698\_at | SOX7 | 0.43 | 0.000999 |
| 226863\_at | FAM110C | 0.43 | 0.005459 |
| 207827\_x\_at | SNCA | 0.43 | 0.001183 |
| 210564\_x\_at | CFLAR | 0.43 | 0.037672 |
| 227963\_at | NA | 0.43 | 0.025799 |
| 225840\_at | TEF | 0.43 | 0.021633 |
| 221748\_s\_at | TNS1 | 0.43 | 0.011751 |
| 222699\_s\_at | PLEKHF2 | 0.43 | 0.000642 |
| 202922\_at | GCLC | 0.43 | 0.007687 |
| 226275\_at | MXD1 | 0.43 | 0.000956 |
| 228865\_at | C1orf116 | 0.43 | 0.009125 |
| 224567\_x\_at | MALAT1 | 0.43 | 0.035944 |
| 223652\_at | AS3MT | 0.43 | 0.014322 |
| 204466\_s\_at | SNCA | 0.43 | 0.014951 |
| 53720\_at | C19orf66 | 0.43 | 0.008685 |
| 226778\_at | C8orf42 | 0.43 | 0.027927 |
| 208106\_x\_at | PSG6 | 0.44 | 0.012288 |
| 211066\_x\_at | NA | 0.44 | 0.007123 |
| 201433\_s\_at | PTDSS1 | 0.44 | 0.000473 |
| 202350\_s\_at | MATN2 | 0.44 | 0.002726 |
| 1568592\_at | TRIM69 | 0.44 | 0.049406 |
| 205732\_s\_at | NCOA2 | 0.44 | 0.002991 |
| 221087\_s\_at | APOL3 | 0.44 | 0.026359 |
| 204804\_at | TRIM21 | 0.44 | 0.004416 |
| 225291\_at | PNPT1 | 0.44 | 0.000758 |
| 1569157\_s\_at | ZNF846 | 0.44 | 0.014519 |
| 202827\_s\_at | MMP14 | 0.44 | 0.017327 |
| 224413\_s\_at | TM2D2 | 0.44 | 0.000454 |
| 209762\_x\_at | SP110 | 0.44 | 0.012604 |
| 1556026\_at | NA | 0.44 | 0.04287 |
| 221447\_s\_at | GLT8D2 | 0.44 | 0.031564 |
| 202458\_at | PRSS23 | 0.44 | 0.004105 |
| 225869\_s\_at | UNC93B1 | 0.44 | 0.001996 |
| 232263\_at | SLC6A15 | 0.44 | 0.001834 |
| 210138\_at | RGS20 | 0.44 | 0.00386 |
| 202895\_s\_at | SIRPA | 0.44 | 0.019196 |
| 226603\_at | SAMD9L | 0.44 | 0.030941 |
| 224606\_at | KLF6 | 0.44 | 0.004626 |
| 239370\_at | NA | 0.44 | 0.034739 |
| 242387\_at | C8orf42 | 0.44 | 0.023286 |
| 219165\_at | PDLIM2 | 0.44 | 0.018483 |
| 227514\_at | ITPRIPL2 | 0.45 | 0.029535 |
| 226144\_at | REXO1 | 0.45 | 0.015361 |
| 230206\_at | DOCK5 | 0.45 | 0.014746 |
| 216972\_at | SPAM1 | 0.45 | 0.029134 |
| 217678\_at | SLC7A11 | 0.45 | 0.005585 |
| 217437\_s\_at | TACC1 | 0.45 | 0.015092 |
| 212575\_at | C19orf6 | 0.45 | 0.049636 |
| 210846\_x\_at | TRIM14 | 0.45 | 0.003323 |
| 202600\_s\_at | NRIP1 | 0.45 | 0.020905 |
| 1555832\_s\_at | KLF6 | 0.45 | 0.003342 |
| 230977\_at | NPM2 | 0.45 | 0.01026 |
| 202906\_s\_at | NBN | 0.45 | 0.003178 |
| 202923\_s\_at | GCLC | 0.45 | 0.003435 |
| 201368\_at | ZFP36L2 | 0.45 | 0.002447 |
| 234987\_at | NA | 0.45 | 0.033273 |
| 1553322\_s\_at | TEAD1 | 0.45 | 0.045805 |
| 204451\_at | FZD1 | 0.45 | 0.002648 |
| 224963\_at | SLC26A2 | 0.45 | 0.005434 |
| 235638\_at | RASSF6 | 0.45 | 0.01425 |
| 211889\_x\_at | CEACAM1 | 0.45 | 0.022843 |
| 201843\_s\_at | EFEMP1 | 0.45 | 0.006873 |
| 239151\_at | RP11-144G6.7 | 0.45 | 0.014505 |
| 211013\_x\_at | PML | 0.45 | 0.018568 |
| 217173\_s\_at | LDLR | 0.45 | 0.012395 |
| 202701\_at | BMP1 | 0.45 | 0.004874 |
| 218589\_at | LPAR6 | 0.45 | 0.030741 |
| 205157\_s\_at | KRT17 | 0.46 | 0.012629 |
| 235292\_at | FLJ32255 | 0.46 | 0.019448 |
| 204502\_at | SAMHD1 | 0.46 | 0.011434 |
| 240201\_at | NA | 0.46 | 0.048268 |
| 213976\_at | CIZ1 | 0.46 | 0.003731 |
| 215046\_at | C2orf67 | 0.46 | 0.03906 |
| 221542\_s\_at | ERLIN2 | 0.46 | 0.001545 |
| 202558\_s\_at | HSPA13 | 0.46 | 0.011914 |
| 204452\_s\_at | FZD1 | 0.46 | 0.005421 |
| 1564308\_a\_at | MPP7 | 0.46 | 0.004047 |
| 238346\_s\_at | TGS1 | 0.46 | 0.003071 |
| 210001\_s\_at | SOCS1 | 0.46 | 0.013763 |
| 200762\_at | DPYSL2 | 0.46 | 0.009066 |
| 201668\_x\_at | MARCKS | 0.46 | 0.004301 |
| 221646\_s\_at | ZDHHC11 | 0.46 | 0.006581 |
| 203148\_s\_at | TRIM14 | 0.46 | 0.00925 |
| 218935\_at | EHD3 | 0.46 | 0.000748 |
| 1552609\_s\_at | NA | 0.46 | 0.022032 |
| 207485\_x\_at | BTN3A1 | 0.46 | 0.024016 |
| 221045\_s\_at | PER3 | 0.46 | 0.008424 |
| 241418\_at | LOC344887 | 0.46 | 0.001667 |
| 225046\_at | NA | 0.47 | 0.010489 |
| 223980\_s\_at | SP110 | 0.47 | 0.002975 |
| 204467\_s\_at | SNCA | 0.47 | 0.035745 |
| 212093\_s\_at | MTUS1 | 0.47 | 0.00058 |
| 230193\_at | WDR66 | 0.47 | 0.010716 |
| 1552283\_s\_at | ZDHHC11 | 0.47 | 0.011559 |
| 225062\_at | LOC389831 | 0.47 | 0.0115 |
| 202907\_s\_at | NBN | 0.47 | 0.000525 |
| 226021\_at | RDH10 | 0.47 | 0.021342 |
| 203410\_at | AP3M2 | 0.47 | 0.007678 |
| 223577\_x\_at | MALAT1 | 0.47 | 0.010407 |
| 242953\_at | ZNF234 | 0.47 | 0.022447 |
| 211272\_s\_at | DGKA | 0.47 | 0.005226 |
| 223385\_at | CYP2S1 | 0.47 | 0.009923 |
| 233375\_at | EFCAB2 | 0.47 | 0.023075 |
| 203790\_s\_at | HRSP12 | 0.47 | 0.000904 |
| 217279\_x\_at | MMP14 | 0.47 | 0.047858 |
| 227732\_at | ATXN7L1 | 0.47 | 0.049033 |
| 209920\_at | BMPR2 | 0.47 | 0.002287 |
| 219678\_x\_at | DCLRE1C | 0.47 | 0.003967 |
| 208712\_at | CCND1 | 0.47 | 0.007124 |
| 1568868\_at | CYP27C1 | 0.47 | 0.024152 |
| 224428\_s\_at | CDCA7 | 0.47 | 0.001837 |
| 204999\_s\_at | ATF5 | 0.47 | 0.042416 |
| 238451\_at | MPP7 | 0.47 | 0.007819 |
| 222257\_s\_at | ACE2 | 0.47 | 0.02899 |
| 210405\_x\_at | TNFRSF10B | 0.47 | 0.005677 |
| 227105\_at | CSPP1 | 0.47 | 0.001992 |
| 234989\_at | NEAT1 | 0.47 | 0.00812 |
| 231068\_at | SLC47A2 | 0.47 | 0.038394 |
| 202752\_x\_at | SLC7A8 | 0.48 | 0.029712 |
| 227717\_at | FLJ41603 | 0.48 | 0.009489 |
| 207661\_s\_at | SH3PXD2A | 0.48 | 0.011018 |
| 226179\_at | SLC25A37 | 0.48 | 0.006767 |
| 235964\_x\_at | NA | 0.48 | 0.044537 |
| 213294\_at | EIF2AK2 | 0.48 | 0.025633 |
| 216674\_at | HES2 | 0.48 | 0.014738 |
| 209253\_at | SORBS3 | 0.48 | 0.010834 |
| 226936\_at | C6orf173 | 0.48 | 0.011221 |
| 211607\_x\_at | EGFR | 0.48 | 0.045598 |
| 204433\_s\_at | SPATA2 | 0.48 | 0.008812 |
| 228260\_at | ELAVL2 | 0.48 | 0.009024 |
| 218711\_s\_at | SDPR | 0.48 | 0.014693 |
| 217025\_s\_at | DBN1 | 0.48 | 0.013478 |
| 223167\_s\_at | USP25 | 0.48 | 0.014919 |
| 211546\_x\_at | SNCA | 0.48 | 0.01885 |
| 227829\_at | GYLTL1B | 0.48 | 0.027297 |
| 224916\_at | TMEM173 | 0.48 | 0.011208 |
| 235529\_x\_at | NA | 0.48 | 0.026904 |
| 238496\_at | NA | 0.49 | 0.013006 |
| 1554791\_a\_at | C2orf67 | 0.49 | 0.007108 |
| 209384\_at | PROSC | 0.49 | 0.002506 |
| 219468\_s\_at | CUEDC1 | 0.49 | 0.048061 |
| 230411\_at | NA | 0.49 | 0.001268 |
| 205470\_s\_at | KLK11 | 0.49 | 0.017006 |
| 218027\_at | MRPL15 | 0.49 | 0.000627 |
| 205717\_x\_at | NA | 0.49 | 0.002653 |
| 201469\_s\_at | SHC1 | 0.49 | 0.003867 |
| 226959\_at | LOC283070 | 0.49 | 0.005283 |
| 221978\_at | HLA-F | 0.49 | 0.04468 |
| 1553031\_at | GPR115 | 0.49 | 0.003405 |
| 207382\_at | TP63 | 0.49 | 0.004841 |
| 215836\_s\_at | NA | 0.49 | 0.014251 |
| 208003\_s\_at | NFAT5 | 0.49 | 0.03081 |
| 205667\_at | WRN | 0.49 | 0.001433 |
| 230207\_s\_at | DOCK5 | 0.49 | 0.019824 |
| 207722\_s\_at | BTBD2 | 0.49 | 0.040888 |
| 231874\_at | FAM126B | 0.49 | 0.007368 |
| 215983\_s\_at | UBXN8 | 0.49 | 0.009314 |
| 238741\_at | FAM83A | 0.49 | 0.009205 |
| 227627\_at | SGK3 | 0.49 | 0.007448 |
| 223110\_at | KIAA1429 | 0.49 | 0.005153 |
| 214545\_s\_at | PROSC | 0.49 | 0.004636 |
| 211051\_s\_at | EXTL3 | 0.49 | 0.007659 |
| 229283\_at | LOC728613 | 0.49 | 0.005103 |
| 219340\_s\_at | CLN8 | 0.49 | 0.008405 |
| 230903\_s\_at | C8orf42 | 0.49 | 0.02254 |
| 218250\_s\_at | CNOT7 | 0.49 | 0.002362 |
| 228168\_at | ATP5G3 | 0.49 | 0.019777 |
| 222233\_s\_at | DCLRE1C | 0.49 | 0.001889 |
| 225186\_at | RAPH1 | 0.49 | 0.044251 |
| 209750\_at | NR1D2 | 0.49 | 0.02022 |
| 232382\_s\_at | PCMTD1 | 0.49 | 0.026979 |
| 213243\_at | VPS13B | 0.49 | 0.01817 |
| 204505\_s\_at | EPB49 | 0.49 | 0.002373 |
| 214011\_s\_at | NOP16 | 0.49 | 0.012373 |
| 244838\_at | NA | 0.49 | 0.034822 |
| 210057\_at | SMG1 | 0.50 | 0.049166 |
| 210362\_x\_at | PML | 0.50 | 0.022747 |
| 1559477\_s\_at | MEIS1 | 0.50 | 0.022797 |
| 206008\_at | TGM1 | 0.50 | 0.029829 |
| 203173\_s\_at | C16orf62 | 0.50 | 0.016571 |
| 225902\_at | NA | 0.50 | 0.007012 |
| 235085\_at | PRAGMIN | 0.50 | 0.000774 |
| 209119\_x\_at | NR2F2 | 0.50 | 0.024227 |
| 229548\_at | NA | 0.50 | 0.023121 |
| 228007\_at | C6orf204 | 0.50 | 0.037166 |

FDR: false discovery rate