

Supplemental Table 1. Autism vs GP

| Gene Number | Probeset ID | P-value | Fold Change | Genbank ID | Gene Symbol | Description |
|---------------------|--------------|---------|-------------|------------|-------------------------------------|---|
| Up-regulated | | | | | | |
| 1 | 1553177_at | 0.00605 | 2.389 | BC022407 | SH2D1B | SH2 domain containing 1B |
| 2 | 236988_x_at | 0.00548 | 2.232 | W68403 | ITGB2 | integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit) |
| 3 | 219529_at | 0.0217 | 2.222 | NM_004669 | CLIC3 | chloride intracellular channel 3 |
| 4 | 1553681_a_at | 0.00855 | 2.15 | NM_005041 | PRF1 | perforin 1 (pore forming protein) |
| 5 | 218638_s_at | 0.00962 | 2.113 | NM_012445 | SPON2 | spondin 2, extracellular matrix protein |
| 6 | 223836_at | 0.0213 | 2.108 | AB021123 | KSP37 | Ksp37 protein |
| 7 | 205495_s_at | 0.0316 | 2.099 | NM_006433 | GNLY | granulysin ; granulysin |
| 8 | 214617_at | 0.00962 | 2.062 | AI445650 | PRF1 | perforin 1 (pore forming protein) ; perforin 1 (pore forming protein) |
| 9 | 210164_at | 0.0213 | 2.014 | J03189 | GZMB | granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) ; granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) |
| 10 | 230464_at | 0.0181 | 1.991 | AI814092 | EDG8 | endothelial differentiation, sphingolipid G-protein-coupled receptor, 8 |
| 11 | 228854_at | 0.00962 | 1.989 | AI492388 | ZNF145 | Transcribed locus |
| 12 | 233713_at | 0.0217 | 1.974 | AK022181 | SMYD2 | SET and MYND domain containing 2 |
| 13 | 37145_at | 0.0244 | 1.913 | M85276 | GNLY | granulysin |
| 14 | 222912_at | 0.0495 | 1.91 | BE207758 | ARRB1 | arrestin, beta 1 |
| 15 | 215894_at | 0.0455 | 1.886 | AI460323 | PTGDR | prostaglandin D2 receptor (DP) |
| 16 | 207840_at | 0.0378 | 1.885 | NM_007053 | CD160 | CD160 antigen |
| 17 | 213915_at | 0.0363 | 1.815 | NM_005601 | NKG7 | natural killer cell group 7 sequence |
| 18 | 243495_s_at | 0.042 | 1.789 | AL036450 | | CDNA FLJ36515 fis, clone TRACH2001810 |
| 19 | 211597_s_at | 0.0213 | 1.782 | AB059408 | HOP | homeodomain-only protein ; homeodomain-only protein |
| 20 | 205291_at | 0.00168 | 1.782 | NM_000878 | IL2RB | interleukin 2 receptor, beta ; interleukin 2 receptor, beta |
| 21 | 202336_s_at | 0.0181 | 1.762 | NM_000919 | PAM | peptidylglycine alpha-amidating monooxygenase |
| 22 | 220684_at | 0.0307 | 1.755 | NM_013351 | TBX21 | T-box 21 |
| 23 | 205898_at | 0.017 | 1.749 | U20350 | CX3CR1 | chemokine (C-X3-C motif) receptor 1 |
| 24 | 202085_at | 0.00962 | 1.748 | NM_004817 | TJP2 | tight junction protein 2 (zona occludens 2) |
| 25 | 207351_s_at | 0.0495 | 1.723 | NM_003975 | SH2D2A | SH2 domain protein 2A |
| 26 | 217234_s_at | 0.0353 | 1.714 | AF199015 | VIL2 | villin 2 (ezrin) |
| 27 | 201163_s_at | 0.00962 | 1.699 | NM_001553 | IGFBP7 | insulin-like growth factor binding protein 7 |
| 28 | 214109_at | 0.0413 | 1.684 | AI659561 | LRBA | LPS-responsive vesicle trafficking, beach and anchor containing |
| 29 | 212070_at | 0.0213 | 1.678 | AL554008 | GPR56 | G protein-coupled receptor 56 |
| 30 | 240413_at | 0.0307 | 1.666 | AI827431 | PYHIN1 | pyrin and HIN domain family, member 1 |
| 31 | 204197_s_at | 0.0307 | 1.652 | NM_004350 | RUNX3 | runt-related transcription factor 3 |
| 32 | 217761_at | 0.0455 | 1.646 | NM_018269 | MTCBP-1 | membrane-type 1 matrix metalloproteinase cytoplasmic tail binding protein-1 |
| 33 | 204527_at | 0.0271 | 1.636 | NM_000259 | MYO5A | myosin VA (heavy polypeptide 12, myoxin) |
| 34 | 235060_at | 0.0378 | 1.606 | AL047052 | DKFZp547E087 | hypothetical gene LOC283846 |
| 35 | 201968_s_at | 0.0307 | 1.593 | NM_002633 | PGM1 | phosphoglucomutase 1 |
| 36 | 227093_at | 0.0307 | 1.59 | AU152298 | USP36 | Ubiquitin specific peptidase 36 |
| 37 | 216510_x_at | 0.0307 | 1.585 | AB035175 | IGHA1; IGHD; IGHG1; IGHM; LOC390714 | immunoglobulin heavy constant alpha 1 ; immunoglobulin heavy constant delta ; immunoglobulin heavy constant gamma 1 (G1m marker) ; immunoglobulin heavy constant mu ; similar to Ig heavy chain V-III region VH26 precursor |
| 38 | 207313_x_at | 0.00962 | 1.582 | L76666 | KIR3DL2 | killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2 |
| 39 | 203392_s_at | 0.0455 | 1.581 | NM_001328 | CTBP1 | C-terminal binding protein 1 |
| 40 | 229074_at | 0.0149 | 1.576 | AI692267 | EHD4 | EH-domain containing 4 |
| 41 | 210042_s_at | 0.0378 | 1.569 | AF073890 | CTSZ | cathepsin Z |
| 42 | 211685_s_at | 0.0131 | 1.54 | AF251061 | NCALD | neurocalcin delta ; neurocalcin delta |
| 43 | 238423_at | 0.00965 | 1.539 | AI674404 | SYTL3 | synaptotagmin-like 3 |
| 44 | 212009_s_at | 0.0415 | 1.533 | AL553320 | STIP1 | stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein) |

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|-----------------------|-------------|---------|-------|-----------|------------|---|
| 45 | 202581_at | 0.00331 | 1.516 | NM_005346 | HSPA1B | heat shock 70kDa protein 1B |
| Down-regulated | | | | | | |
| 1 | 213831_at | 0.00548 | 0.186 | X00452 | HLA-DQA1 | major histocompatibility complex, class II, DQ alpha 1 |
| 2 | 209480_at | 0.00962 | 0.267 | M16276 | HLA-DQB1 | Major histocompatibility complex, class II, DQ beta 1 ; Major histocompatibility complex, class II, DQ beta 1 |
| 3 | 236203_at | 0.017 | 0.329 | AI377755 | HLA-DQA1 | Major histocompatibility complex, class II, DQ alpha 1 |
| 4 | 212999_x_at | 0.0428 | 0.541 | AW276186 | HLA-DQB1 | Major histocompatibility complex, class II, DQ beta 1 ; Major histocompatibility complex, class II, DQ beta 1 |
| 5 | 231597_x_at | 0.0378 | 0.603 | AI371550 | | ta51a07.x2 NCI_CGAP_Lu25 Homo sapiens cDNA clone IMAGE:2047572 3', mRNA sequence |
| 6 | 204419_x_at | 0.0182 | 0.631 | NM_000184 | HBG1; HBG2 | hemoglobin, gamma A ; hemoglobin, gamma A ; hemoglobin, gamma G ; hemoglobin, gamma G |
| 7 | 233866_at | 0.0099 | 0.632 | AK001836 | KLHL5 | kelch-like 5 (Drosophila) |
| 8 | 204848_x_at | 0.0181 | 0.635 | NM_000559 | HBG1 | hemoglobin, gamma A ; hemoglobin, gamma A |
| 9 | 213515_x_at | 0.0181 | 0.653 | AI133353 | HBG1; HBG2 | hemoglobin, gamma A ; hemoglobin, gamma A ; hemoglobin, gamma G ; hemoglobin, gamma G |
| 10 | 212739_s_at | 0.0201 | 0.666 | AL523860 | NME4 | non-metastatic cells 4, protein expressed in |