**Table S2:** 87 Differentially expressed probesets in ACR-Ped70 patients after MTX, Benjamini-Hochberg correction applied

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Probe ID** | **P-Value** | **Fold Change** | **Gene Symbol** | **Gene Name** |
| 1558678\_s\_at | 0.004 | 12.8 | MALAT1 | metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) |
| 229586\_at | 0.004 | 6.7 | CHD9 | chromodomain helicase DNA binding protein 9 |
| 228986\_at | 0.006 | 6.0 | OSBPL8 | oxysterol binding protein-like 8 |
| 1559566\_at | 0.006 | 3.3 | FBXO42 | F-box protein 42 |
| 223940\_x\_at | 0.006 | 7.8 | MALAT1 | metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) |
| 1561015\_at | 0.006 | 3.3 | KLF3 | Kruppel-like factor 3 (basic) |
| 235653\_s\_at | 0.008 | 3.8 | THAP6 | THAP domain containing 6 |
| 1559449\_a\_at | 0.008 | 3.5 | ZNF539 | Zinc finger protein 254 |
| 213957\_s\_at | 0.008 | 3.9 | CAP350 | centrosome-associated protein 350 |
| 235722\_at | 0.008 | 5.6 | SYNJ2BP | Synaptojanin 2 binding protein |
| 223578\_x\_at | 0.008 | 4.6 | MALAT1 | metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) |
| 212468\_at | 0.011 | 3.2 | SPAG9 | sperm associated antigen 9 |
| 207057\_at | 0.013 | 4.3 | SLC16A7 | solute carrier family 16 (monocarboxylic acid transporters), member 7 |
| 212758\_s\_at | 0.014 | 5.3 | TCF8 (ZEB1) | transcription factor 8 (zinc finger enhancer protein 1) |
| 224568\_x\_at | 0.014 | 7.7 | MALAT1 | metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) |
| 236390\_at | 0.022 | 11.5 | C20orf94 | chromosome 20 open reading frame 94 |
| 212587\_s\_at | 0.022 | 3.3 | PTPRC | protein tyrosine phosphatase, receptor type, C |
| 238130\_at | 0.022 | 2.6 | NFATC2IP | nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 interacting protein |
| 208859\_s\_at | 0.022 | 4.8 | ATRX | alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, S. cerevisiae) |
| 210461\_s\_at | 0.022 | 4.0 | ABLIM1 | actin binding LIM protein 1 |
| 1564378\_a\_at | 0.022 | 4.6 | EXT1 | Exostoses (multiple) 1 |
| 231735\_s\_at | 0.022 | 4.6 | PRO1073 | PRO1073 protein |
| 241955\_at | 0.022 | 3.1 | HECTD1 | HECT domain containing 1 |
| 213446\_s\_at | 0.022 | 5.8 | IQGAP1 | IQ motif containing GTPase activating protein 1 |
| 203479\_s\_at | 0.022 | 10.8 | OTUD4 | OTU domain containing 4 |
| 243149\_at | 0.022 | -1.8 | EIF4G3 | Eukaryotic translation initiation factor 4 gamma, 3 |
| 226643\_s\_at | 0.022 | -1.8 | LOC134492 | NudC domain containing 2 |
| 226675\_s\_at | 0.022 | 10.9 | MALAT1 | metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) |
| 237333\_at | 0.022 | 2.0 | SYNCOILIN | Syncoilin, intermediate filament 1 |
| 242429\_at | 0.022 | 2.0 | ZNF567 | zinc finger protein 567 |
| 1553107\_s\_at | 0.022 | 1.9 | FLJ37562 | hypothetical protein FLJ37562 |
| 1556204\_a\_at | 0.022 | 3.7 | ZNF587 | Zinc finger protein 587 |
| 241702\_at | 0.022 | 4.7 | HNRPD | Heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa) |
| 212384\_at | 0.024 | 3.8 | BAT1 | HLA-B associated transcript 1 |
| 1566032\_at | 0.024 | 2.7 |  | MRNA; cDNA DKFZp686J0929 (from clone DKFZp686J0929) |
| 241791\_at | 0.027 | 15.8 | TTN | titin |
| 228819\_at | 0.027 | 2.5 | TSPAN18 | tetraspanin 18 |
| 1558518\_at | 0.027 | 2.9 | TAB3 | TAK1-binding protein 3 |
| 209258\_s\_at | 0.027 | 4.8 | CSPG6 | chondroitin sulfate proteoglycan 6 (bamacan) |
| 1558173\_a\_at | 0.027 | 2.6 | LUZP1 | leucine zipper protein 1 |
| 200835\_s\_at | 0.027 | 7.4 | MAP4 | microtubule-associated protein 4 |
| 235388\_at | 0.027 | 6.7 | CHD9 | chromodomain helicase DNA binding protein 9 |
| 210807\_s\_at | 0.027 | 2.5 | SLC16A7 | solute carrier family 16 (monocarboxylic acid transporters), member 7 |
| 1552788\_a\_at | 0.027 | 2.8 | HELB | helicase (DNA) B |
| 237554\_at | 0.031 | 17.3 |  | Transcribed locus |
| 201182\_s\_at | 0.031 | 2.9 | CHD4 | chromodomain helicase DNA binding protein 4 |
| 208930\_s\_at | 0.031 | 2.6 | ILF3 | interleukin enhancer binding factor 3, 90kDa |
| 209127\_s\_at | 0.031 | 3.5 | SART3 | squamous cell carcinoma antigen recognised by T cells 3 |
| 211022\_s\_at | 0.031 | 2.9 | ATRX | alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, S. cerevisiae) |
| 211310\_at | 0.031 | 7.7 | EZH1 | enhancer of zeste homolog 1 (Drosophila) |
| 241620\_at | 0.031 | 12.8 | SMCHD1 | structural maintenance of chromosomes flexible hinge domain containing 1 |
| 1552787\_at | 0.031 | 3.4 | HELB | helicase (DNA) B |
| 238848\_at | 0.031 | 3.4 | OTUD4 | OTU domain containing 4 |
| 230014\_at | 0.031 | 4.4 | YPEL5 | Yippee-like 5 (Drosophila) |
| 213650\_at | 0.031 | 3.8 | GOLGA8A ; GOLGA8B | golgi autoantigen, golgin subfamily a, 8A ; golgi autoantigen, golgin subfamily a, 8B |
| 222873\_s\_at | 0.031 | 2.2 | EHMT1 | euchromatic histone-lysine N-methyltransferase 1 |
| 1562650\_at | 0.031 | 8.1 | LOC285527 | hypothetical protein LOC285527 |
| 214235\_at | 0.031 | 3.9 | CYP3A5 | cytochrome P450, family 3, subfamily A, polypeptide 5 |
| 213350\_at | 0.031 | -1.8 | RPS11 | Ribosomal protein S11 |
| 221276\_s\_at | 0.031 | 1.8 | SYNC1 | syncoilin, intermediate filament 1 ; syncoilin, intermediate filament 1 |
| 213922\_at | 0.031 | 2.7 | TTBK2 | tau tubulin kinase 2 |
| 224567\_x\_at | 0.031 | 12.8 | MALAT1 | metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) |
| 221917\_s\_at | 0.034 | -1.7 | GRSF1 | G-rich RNA sequence binding factor 1 |
| 236969\_at | 0.035 | 2.6 | GART | Phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase |
| 236862\_at | 0.036 | 1.8 | GOPC | Golgi associated PDZ and coiled-coil motif containing |
| 1556323\_at | 0.036 | 3.4 | CUGBP2 | CUG triplet repeat, RNA binding protein 2 |
| 242916\_at | 0.036 | 3.8 | CEP1 | centrosomal protein 1 |
| 224254\_x\_at | 0.036 | 2.4 |  |  |
| 228735\_s\_at | 0.036 | -1.9 | PANK2 | Pantothenate kinase 2 (Hallervorden-Spatz syndrome) |
| 240960\_at | 0.038 | 2.4 | MSN | Moesin |
| 243282\_at | 0.041 | 10.1 | FLJ10996 | Hypothetical protein FLJ10996 |
| 221705\_s\_at | 0.041 | 2.4 | FLJ21168 | hypothetical protein FLJ21168 ; hypothetical protein FLJ21168 |
| 240500\_at | 0.041 | -4.6 |  |  |
| 239645\_at | 0.041 | 9.0 | CCM2 | Cerebral cavernous malformation 2 |
| 236620\_at | 0.041 | 3.5 | RIF1 | RAP1 interacting factor homolog (yeast) |
| 232309\_at | 0.041 | 1.8 | LOC202181 | hypothetical protein LOC202181 |
| 208624\_s\_at | 0.041 | 2.8 | EIF4G1 | eukaryotic translation initiation factor 4 gamma, 1 |
| 201085\_s\_at | 0.041 | 5.5 | SON | SON DNA binding protein |
| 209257\_s\_at | 0.041 | 4.8 | CSPG6 | chondroitin sulfate proteoglycan 6 (bamacan) |
| 238430\_x\_at | 0.043 | 2.6 | MGC19764 | likely ortholog of mouse schlafen 5 |
| 227355\_at | 0.043 | 6.8 | C13orf10 | chromosome 13 open reading frame 10 |
| 227931\_at | 0.043 | 3.2 |  | MRNA; cDNA DKFZp686D22106 |
| 227152\_at | 0.043 | 2.6 | FLJ10652 | hypothetical protein FLJ10652 |
| 227454\_at | 0.043 | 3.5 | TAOK1 | TAO kinase 1 |
| 240265\_at | 0.046 | 2.4 | TRAF3IP3 | TRAF3 interacting protein 3 |
| 233105\_at | 0.049 | 2.2 |  | CDNA: FLJ22627 fis, clone HSI06152 |
| 240246\_at | 0.049 | 2.4 |  |  |