**Genetic and Transcriptomic Basis of Intestinal Epithelial Barrier Dysfunction in Inflammatory Bowel Disease**

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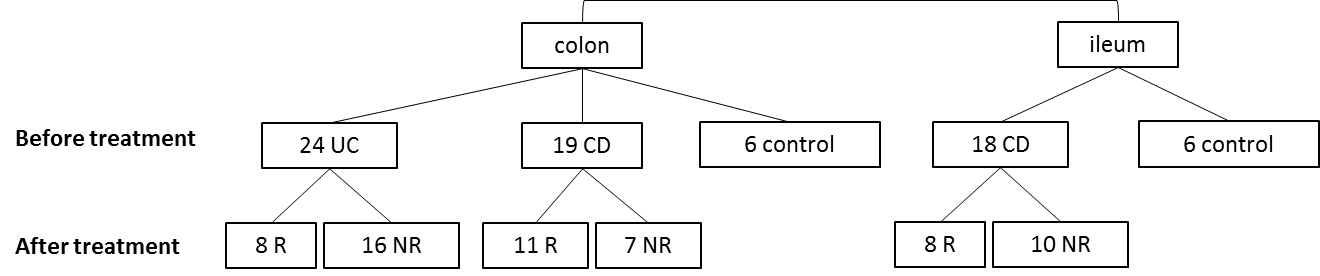
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**Supplementary Methods: Mucosal barrier gene expression of patients before and after first infliximab treatment**

The impact of infliximab therapy (anti-inflammatory agent) on mucosal barrier gene expression was investigated using microarray experiments in IBD patients and controls. The cohort and methodology has previously been described in detail by Arijs *et al.* (Mucosal Gene Expression of Antimicrobioal Peptides in Inflammatory Bowel Disease Before and After First Infliximab Treatment, Plos One, 2009).

Samples

The samples represent an independent cohort (no overlap with the samples from the main manuscript). An overview of the number of samples is shown in the flow chart. Before treatment, all UC and CD patients had active disease. The controls underwent endoscopy for polyp screening and had normal mucosa. A second endoscopy was performed with biopsies (“after treatment”) from the same patients within 4 to 6 weeks after their first infusion with infliximab. Biopsies from one CD patient after treatment were excluded because of poor technical quality. The patients were classified for response to infliximab based on endoscopic and histologic findings (R, responders; NR, non-responders).



Analysis

Total RNA was isolated and analyzed with Affymetrix Human Genome U133 Plus 2.0 Arrays. Supplementary Table 10 shows the comparisons between each of the groups for the 128 barrier genes that we selected, represented by 282 different gene probe sets. Gene probe sets with a >2-fold change (FC) and FDR<0.05, showing multiple testing correction for the entire array, were considered biologically significant.

**Supplementary Table 1: Baseline characteristics of individuals from gene expression study**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **COLON** | | | | | **ILEUM** | | |
|  | **UC** | | **CD** | | **Controls** | **CD** | | **Controls** |
|  | **Active  (n=74)** | **Inactive (n=23)** | **Active (n=8)** | **Inactive\* (n=26)** | **(n=11)** | **Active  (n=51)** | **Inactive (n=16)** | **(n=11)** |
| **Male/Female (%)** | 43/31 (58/42) | 12/11 (52/48) | 2/6 (25/75) | 14/12 (54/46) | 5/6 (45/55) | 20/31 (39/61) | 6/10 (38/62) | 6/5 (55/45) |
| **Median (IQR) age (years)** | 45 (32-54) | 43 (29-56) | 38 (34-44) | 38 (26-50) | 68 (62-73) | 41 (29-54) | 43 (26-52) | 59 (52-73) |
| **Median (IQR) duration of disease (years)** | 5 (3-14) | 9 (3-18) | 2 (0-4) | 13 (3-24) | NA | 12 (3-24) | 16 (3-32) | NA |
| **UC disease extent** |  |  |  |  |  |  |  |  |
| UC Left-sided colitis (%) | 35 (47) | 13 (57) | NA | NA | NA | NA | NA | NA |
| Pancolitis (%) | 39 (53) | 10 (44) | NA | NA | NA | NA | NA | NA |
| **CD disease location** |  |  |  |  |  |  |  |  |
| Ileocolon (%) | NA | NA | 3 (38) | 8 (31) | NA | 43 (84) | 10 (63) | NA |
| Ileum (%) | NA | NA | 0 (0) | 8 (31) | NA | 8 (16) | 6 (38) | NA |
| Colon (%) | NA | NA | 5 (63) | 10 (38) | NA | 0 (0) | 0 (0) | NA |
| **Medication use** |  |  |  |  |  |  |  |  |
| 5-Aminosalicylates (%) | 59 (80) | 22 (96) | 1 (13) | 7 (27) | NA | 11 (22) | 3 (19) | NA |
| Corticosteroids (%) | 31 (42) | 2 (9) | 2 (25) | 5 (19) | NA | 8 (16) | 0 (0) | NA |
| Azathioprine/6-Mercaptopurine (%) | 13 (18) | 10 (44) | 0 (0) | 12 (46) | NA | 8 (16) | 1 (6) | NA |
| Methotrexate (%) | 2 (3) | 0 (0) | 0 (0) | 0 (0) | NA | 1 (2) | 0 (0) | NA |
| Anti-TNF (%) | 0 (0) | 11 (48) | 0 (0) | 11 (42) | NA | 1 (2) | 1 (6) | NA |
| **Active smoking (%)** | 9 (12) | 3 (13) | 3 (38) | 8 (31) | 0 (0) | 20 (39) | 5 (31) | 2 (18) |

\*Only used for qRT-PCR analyses.

UC, ulcerative colitis; CD, Crohn's disease; n, number; IQR, interquartile range; NA, non-applicable.

**Supplementary Table 2: Primer and probe sequences (qRT-PCR)**

|  |  |  |
| --- | --- | --- |
| **Gene symbol** | **Forward primer (5’→3’) Reverse primer (5'→3')** | **Probe sequence (5’→3’)** |
|
| *MUC1* | F: CCTAGCAGTACCGATCGTAG | AGCAGCCTCTCTTACACAAACCCAGCAGT |
| R: AAGTTGGCAGAAGTGGCT |
| *MUC4* | F: ATGCCCACGCCTATCCT | TCGGGAGCAACACCTACCAAGCCATC |
| R: CAGGGCATAGGACCTGCT |
| *TFF1* | F: CCCTGGTGCTTCTATCCTAAT | ACACTCCTCTTCTGGAGGGACGTCGATG |
| R: GATCCCTGCAGAAGTGTCTA |
| *CLDN1* | F: GCAGATCCAGTGCAAAGTC | TGACTCCTTGCTGAATCTGAGCAGCACA |
| R: CTATCACTCCCAGGAGGATG |
| *CLDN8* | F: CTTAGGATGGACCACGGC | ACGCAGCAGAACAGAGCTCCTCCA |
| R: CGAGTATCTGTAGCTACTGCTCT |
| *OCLN* | F: TGGCAAAGTGAATGACAAGC | ATCCACGCCGGTTCCTGAAGTGGTTC |
| R: AGGCGAAGTTAATGGAAGCTC |
| *DSG3* | F: AAGTCCGTACTTTGACCAATTCT | TGACCGAGAGCAAGCTAGCAGCTATCGTC |
| R: TTGTCTGCACCACTCACAA |
| *MAGI1* | F: AGACCATAAGGGATAACCTTTACCG | ATGCTGTGCCTTGCACAACCCGATCT |
| R: CCAGGCACTTCTCCTTCTCT |
| *ACTB* | F: CCCAGCACAATGAAGATCAAGATC | CCTCCTGAGCGCAAGTACTCCGTGTG |
| R: CTGATCCACATCTGCTGGAAG |

F, forward; R, reverse; *ACTB*, beta-actin.

**Supplementary Table 3: Selection of intestinal epithelial barrier genes with specified category**

|  |  |  |
| --- | --- | --- |
| **Gene symbol(s)** | **Gene name(s)** | **Category** |
| *MUC1* | mucin 1 | mucus layer |
| *MUC2* | mucin 2 | mucus layer |
| *MUC3A/MUC3B* | mucin 3a/3b | mucus layer |
| *MUC4* | mucin 4 | mucus layer |
| *MUC5AC* | mucin 5ac | mucus layer |
| *MUC5B* | mucin 5b | mucus layer |
| *MUC6* | mucin 6 | mucus layer |
| *MUC7* | mucin 7 | mucus layer |
| *MUC8* | mucin 8 | mucus layer |
| *MUC9/OVGP1* | mucin 9/oviductal glycoprotein 1 | mucus layer |
| *MUC11/MUC12* | mucin 11/12 | mucus layer |
| *MUC13* | mucin 13 | mucus layer |
| *MUC14/EMCN* | mucin 14/endomucin | mucus layer |
| *MUC15* | mucin 15 | mucus layer |
| *MUC16* | mucin 16 | mucus layer |
| *MUC17* | mucin 17 | mucus layer |
| *MUC18/MCAM* | mucin 18/melanoma cell adhesion molecule | mucus layer |
| *MUC19* | mucin 19 | mucus layer |
| *MUC20* | mucin 20 | mucus layer |
| *MUC21* | mucin 21 | mucus layer |
| *MUC22* | mucin 22 | mucus layer |
| *TFF1* | trefoil factor 1 | mucus layer |
| *TFF2* | trefoil factor 2 | mucus layer |
| *TFF3* | trefoil factor 3 | mucus layer |
| *RETNLB/RELMB* | resistin-like beta | mucus layer |
| *CLDN1* | claudin 1 | tight junctions |
| *CLDN2* | claudin 2 | tight junctions |
| *CLDN3* | claudin 3 | tight junctions |
| *CLDN4* | claudin 4 | tight junctions |
| *CLDN5* | claudin 5 | tight junctions |
| *CLDN6* | claudin 6 | tight junctions |
| *CLDN7* | claudin 7 | tight junctions |
| *CLDN8* | claudin 8 | tight junctions |
| *CLDN9* | claudin 9 | tight junctions |
| *CLDN10* | claudin 10 | tight junctions |
| *CLDN11* | claudin 11 | tight junctions |
| *CLDN12* | claudin 12 | tight junctions |
| *CLDN14* | claudin 14 | tight junctions |
| *CLDN15* | claudin 15 | tight junctions |
| *CLDN16* | claudin 16 | tight junctions |
| *CLDN17* | claudin 17 | tight junctions |
| *CLDN18* | claudin 18 | tight junctions |
| *CLDN19* | claudin 19 | tight junctions |
| *CLDN20* | claudin 20 | tight junctions |
| *CLDN22* | claudin 22 | tight junctions |
| *CLDN23* | claudin 23 | tight junctions |
| *CLDN24* | claudin 24 | tight junctions |
| *TJP1/ZO1* | tight junction protein 1/zonula occludens 1 | tight junctions |
| *TJP2/ZO2* | tight junction protein 2/zonula occludens 2 | tight junctions |
| *TJP3/ZO3* | tight junction protein 3/zonula occludens 3 | tight junctions |
| *OCLN* | occludin | tight junctions |
| *MARVELD2* | MARVEL domain containing protein 2/tricellulin | tight junctions |
| *MARVELD3* | MARVEL domain containing protein 3 | tight junctions |
| *CGN* | cingulin | tight junctions |
| *CGNL1/JACOP* | paracingulin/junction-associated-coiled-coil protein | tight junctions |
| *JAMA/F11R* | junctional adhesion molecule A/F11 receptor | tight junctions |
| *JAMB/JAM2* | junctional adhesion molecule B/2 | tight junctions |
| *JAMC/JAM3* | junctional adhesion molecule C/3 | tight junctions |
| *JAM4/IGSF5* | junctional adhesion molecule 4/immunoglobulin superfamily 5 | tight junctions |
| *CDH1* | cadherin-1/E-cadherin | adherens junctions |
| *CTNND1* | catenin-delta1/p120-catenin | adherens junctions |
| *CTNNB1* | catenin-beta1/beta-catenin | adherens junctions |
| *CTNNA1* | catenin-alpha1/alpha-catenin | adherens junctions |
| *PLEKHA7* | pleckstrin homology domain-containing family A member 7 | adherens junctions |
| *DSC1* | desmocollin 1 | desmosomes |
| *DSC2* | desmocollin 2 | desmosomes |
| *DSC3* | desmocollin 3 | desmosomes |
| *DSG1* | desmoglein 1 | desmosomes |
| *DSG2* | desmoglein 2 | desmosomes |
| *DSG3* | desmoglein 3 | desmosomes |
| *DSG4* | desmoglein 4 | desmosomes |
| *DSP* | desmoplakin | desmosomes |
| *JUP* | plakoglobin | desmosomes |
| *PKP1* | plakophilin 1 | desmosomes |
| *PKP2* | plakophilin 2 | desmosomes |
| *PKP3* | plakophilin 3 | desmosomes |
| *PKP4* | plakophilin 4 | desmosomes |
| *PPL* | periplakin | desmosomes |
| *DST* | dystonin | hemidesmosomes |
| *PLEC* | plectin | hemidesmosomes |
| *ITGB4* | integrin beta4 | hemidesmosomes |
| *ITGA6* | integrin alpha6 | hemidesmosomes |
| *MYO9B* | myosin-9b | cytoskeleton |
| *MYLK/MLCK1* | myosin light chain kinase 1 (long isoform) | cytoskeleton |
| *MYL1* | myosin light chain 1 | cytoskeleton |
| *MYL2* | myosin light chain 2 | cytoskeleton |
| *MYL3* | myosin light chain 3 | cytoskeleton |
| *MYL4* | myosin light chain 4 | cytoskeleton |
| *MYL5* | myosin light chain 5 | cytoskeleton |
| *MYL6* | myosin light chain 6 | cytoskeleton |
| *MYL6B* | myosin light chain 6b | cytoskeleton |
| *MYL7* | myosin light chain 7 | cytoskeleton |
| *MYL9* | myosin light chain 9 | cytoskeleton |
| *MYL10* | myosin light chain 10 | cytoskeleton |
| *MYL12A* | myosin light chain 12a | cytoskeleton |
| *MYL12B* | myosin light chain 12b | cytoskeleton |
| *ROCK1* | rho-associated, coiled-coil containing protein kinase 1 | cytoskeleton |
| *ROCK2* | rho-associated, coiled-coil containing protein kinase 1 | cytoskeleton |
| *RHOA* | ras homolog family member A | cytoskeleton |
| *LAMA1* | laminin, alpha 1 | extracellular matrix proteins |
| *LAMA3* | laminin, alpha 3 | extracellular matrix proteins |
| *LAMA4* | laminin, alpha 4 | extracellular matrix proteins |
| *LAMA5* | laminin, alpha 5 | extracellular matrix proteins |
| *LAMB1* | laminin, beta 1 | extracellular matrix proteins |
| *LAMB2* | laminin, beta 2 | extracellular matrix proteins |
| *LAMC1* | laminin, gamma 1 | extracellular matrix proteins |
| *LAMC2* | laminin, gamma 2 | extracellular matrix proteins |
| *ECM1* | extracellular matrix protein 1 | extracellular matrix proteins |
| *CXADR* | coxsackie Virus And Adenovirus Receptor | regulating proteins |
| *MLLT4/AF6* | afadin | regulating proteins |
| *PARD3* | partitioning defective 3 homolog | regulating proteins |
| *GNA12* | guanine nucleotide-binding protein subunit alpha-12 | regulating proteins |
| *MAGI1* | membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1 | regulating proteins |
| *MAGI2* | membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2 | regulating proteins |
| *MAGI3* | membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3 | regulating proteins |
| *PTPN2* | tyrosine-protein phosphatase non-receptor type 2 | regulating proteins |
| *HNF4A* | hepatocyte nuclear factor 4 alpha | regulating proteins |
| *VDR* | vitamin D receptor | regulating proteins |
| *PTGER4* | prostaglandin E Receptor 4 | regulating proteins |
| *TCF4* | transcription factor 4 | regulating proteins |
| *MEP1A* | meprin A subunit alpha | regulating proteins |
| *AMOT* | angiomotin | regulating proteins |
| *AMOTL1* | angiomotin-like protein 1 | regulating proteins |
| *AMOTL2* | angiomotin-like protein 2 | regulating proteins |
| *MUPP1/MPDZ* | multi-PDZ domain protein 1 | regulating proteins |
| *SYMPK* | symplekin | regulating proteins |
| *F2RL2* | protease activated receptor 3 (PAR3) | regulating proteins |
| *MPP5/PALS1* | MAGUK p55 subfamily member 5 | regulating proteins |

**Supplementary Table 4: Nominally significant SNPs for association with CD and UC versus controls that were implemented in the barrier risk scores**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CHR** | **BP** | **SNP** | **Gene symbol** | **CD** | | | | | | | **UC** | | | | | | |
| **A1** | **OR** | **SE** | **L95** | **U95** | **STAT** | **P** | **A1** | **OR** | **SE** | **L95** | **U95** | **STAT** | **P** |
| 1 | 113891118 | rs9308261 | *MAGI3* |  |  |  |  |  |  |  | A | 0.84 | 0.07 | 0.73 | 0.97 | -2.36 | 1.84E-02 |
| 1 | 113896770 | rs116268269 | *MAGI3* | G | 2.53 | 0.45 | 1.05 | 6.10 | 2.07 | 3.88E-02 | G | 2.76 | 0.48 | 1.08 | 7.02 | 2.12 | 3.38E-02 |
| 1 | 113918206 | rs12406026 | *MAGI3* | C | 3.16 | 0.54 | 1.10 | 9.11 | 2.13 | 3.31E-02 | C | 4.04 | 0.55 | 1.38 | 11.85 | 2.54 | 1.10E-02 |
| 1 | 113922269 | rs72687906 | *MAGI3* | G | 0.67 | 0.17 | 0.48 | 0.92 | -2.44 | 1.49E-02 |  |  |  |  |  |  |  |
| 1 | 113944194 | rs9787276 | *MAGI3* | C | 1.99 | 0.33 | 1.05 | 3.77 | 2.11 | 3.50E-02 |  |  |  |  |  |  |  |
| 1 | 114050119 | rs77333360 | *MAGI3* | A | 0.59 | 0.27 | 0.35 | 1.00 | -1.96 | 4.96E-02 |  |  |  |  |  |  |  |
| 1 | 114051848 | rs28409906 | *MAGI3* |  |  |  |  |  |  |  | A | 0.76 | 0.12 | 0.60 | 0.97 | -2.25 | 2.46E-02 |
| 1 | 114053533 | rs77811171 | *MAGI3* | A | 0.46 | 0.35 | 0.23 | 0.91 | -2.24 | 2.50E-02 |  |  |  |  |  |  |  |
| 1 | 114086959 | rs115762022 | *MAGI3* | G | 3.04 | 0.48 | 1.18 | 7.87 | 2.29 | 2.18E-02 |  |  |  |  |  |  |  |
| 1 | 114123394 | rs142519412 | *MAGI3* | G | 0.62 | 0.24 | 0.39 | 0.99 | -1.98 | 4.73E-02 |  |  |  |  |  |  |  |
| 1 | 114154300 | rs115985944 | *MAGI3* | G | 0.55 | 0.27 | 0.32 | 0.94 | -2.18 | 2.91E-02 |  |  |  |  |  |  |  |
| 1 | 114172678 | rs143189518 | *MAGI3* | A | 2.03 | 0.36 | 1.01 | 4.07 | 1.98 | 4.73E-02 | A | 2.44 | 0.38 | 1.17 | 5.12 | 2.37 | 1.80E-02 |
| 1 | 155167786 | rs41264915 | *MUC1* |  |  |  |  |  |  |  | G | 1.25 | 0.11 | 1.02 | 1.54 | 2.12 | 3.37E-02 |
| 1 | 155201064 | rs3768566 | *MUC1* | A | 1.21 | 0.07 | 1.06 | 1.38 | 2.82 | 4.79E-03 | A | 1.22 | 0.07 | 1.05 | 1.40 | 2.66 | 7.91E-03 |
| 1 | 201288007 | rs1794868 | *PKP1* | G | 0.79 | 0.10 | 0.65 | 0.97 | -2.23 | 2.61E-02 |  |  |  |  |  |  |  |
| 3 | 49118055 | rs114471990 | *LAMB2* |  |  |  |  |  |  |  | A | 5.83 | 0.77 | 1.30 | 26.12 | 2.30 | 2.13E-02 |
| 3 | 49141714 | rs76331936 | *LAMB2* |  |  |  |  |  |  |  | A | 2.07 | 0.28 | 1.19 | 3.60 | 2.57 | 1.01E-02 |
| 3 | 49191225 | rs77813979 | *LAMB2* | A | 0.68 | 0.18 | 0.47 | 0.97 | -2.14 | 3.25E-02 |  |  |  |  |  |  |  |
| 3 | 49207849 | rs9814987 | *LAMB2* |  |  |  |  |  |  |  | G | 1.27 | 0.10 | 1.04 | 1.55 | 2.35 | 1.88E-02 |
| 3 | 49216295 | rs147118406 | *LAMB2* |  |  |  |  |  |  |  | A | 2.07 | 0.28 | 1.20 | 3.55 | 2.63 | 8.51E-03 |
| 3 | 49361791 | rs13078949 | *RHOA* | G | 0.84 | 0.06 | 0.74 | 0.94 | -3.03 | 2.47E-03 | G | 0.87 | 0.07 | 0.76 | 0.99 | -2.16 | 3.06E-02 |
| 3 | 49363772 | rs11707940 | *RHOA* |  |  |  |  |  |  |  | A | 1.19 | 0.08 | 1.02 | 1.40 | 2.15 | 3.13E-02 |
| 3 | 49365269 | rs6795772 | *RHOA* | G | 1.16 | 0.06 | 1.03 | 1.30 | 2.47 | 1.34E-02 |  |  |  |  |  |  |  |
| 3 | 49491983 | rs11711485 | *RHOA* | A | 1.16 | 0.06 | 1.03 | 1.31 | 2.36 | 1.85E-02 | A | 1.21 | 0.07 | 1.05 | 1.40 | 2.65 | 8.14E-03 |
| 3 | 49497883 | rs885592 | *RHOA* | C | 0.81 | 0.06 | 0.72 | 0.92 | -3.43 | 6.08E-04 | C | 0.84 | 0.07 | 0.74 | 0.96 | -2.51 | 1.19E-02 |
| 3 | 65543313 | rs1880524 | *MAGI1* |  |  |  |  |  |  |  | G | 0.86 | 0.07 | 0.76 | 0.99 | -2.17 | 3.03E-02 |
| 3 | 65584681 | rs1524962 | *MAGI1* | A | 1.19 | 0.07 | 1.04 | 1.37 | 2.58 | 9.75E-03 |  |  |  |  |  |  |  |
| 3 | 65688520 | rs9311952 | *MAGI1* | C | 0.79 | 0.08 | 0.68 | 0.93 | -2.90 | 3.77E-03 | C | 0.79 | 0.09 | 0.66 | 0.94 | -2.58 | 9.78E-03 |
| 3 | 170522227 | rs12485248 | *CLDN11* | G | 0.89 | 0.06 | 0.79 | 1.00 | -2.00 | 4.59E-02 | G | 0.83 | 0.07 | 0.73 | 0.95 | -2.76 | 5.74E-03 |
| 5 | 40646560 | rs7716982 | *PTGER4* | C | 0.86 | 0.06 | 0.76 | 0.97 | -2.37 | 1.80E-02 |  |  |  |  |  |  |  |
| 5 | 40648883 | rs10473209 | *PTGER4* | A | 1.19 | 0.06 | 1.06 | 1.34 | 2.91 | 3.58E-03 |  |  |  |  |  |  |  |
| 5 | 40658444 | rs76506460 | *PTGER4* |  |  |  |  |  |  |  | A | 1.68 | 0.21 | 1.12 | 2.53 | 2.48 | 1.32E-02 |
| 5 | 40661791 | rs62358797 | *PTGER4* | A | 1.19 | 0.08 | 1.02 | 1.38 | 2.20 | 2.76E-02 |  |  |  |  |  |  |  |
| 5 | 40675534 | rs10066459 | *PTGER4* | A | 1.19 | 0.06 | 1.06 | 1.34 | 2.89 | 3.82E-03 |  |  |  |  |  |  |  |
| 5 | 40678688 | rs45550437 | *PTGER4* | A | 0.61 | 0.25 | 0.37 | 0.99 | -1.99 | 4.66E-02 |  |  |  |  |  |  |  |
| 5 | 40682550 | rs4546432 | *PTGER4* | G | 0.87 | 0.06 | 0.77 | 0.98 | -2.33 | 1.96E-02 |  |  |  |  |  |  |  |
| 5 | 40713666 | rs1363847 | *PTGER4* | T | 1.16 | 0.06 | 1.03 | 1.30 | 2.39 | 1.68E-02 |  |  |  |  |  |  |  |
| 5 | 40715333 | rs62356506 | *PTGER4* | C | 0.59 | 0.26 | 0.35 | 0.99 | -2.00 | 4.54E-02 |  |  |  |  |  |  |  |
| 5 | 40717059 | rs62356507 | *PTGER4* | G | 1.22 | 0.08 | 1.03 | 1.44 | 2.36 | 1.84E-02 |  |  |  |  |  |  |  |
| 6 | 30955359 | rs2844677 | *MUC21* |  |  |  |  |  |  |  | A | 0.63 | 0.14 | 0.48 | 0.82 | -3.39 | 7.08E-04 |
| 6 | 30978717 | rs13191258 | *MUC21* |  |  |  |  |  |  |  | A | 0.71 | 0.15 | 0.53 | 0.96 | -2.20 | 2.78E-02 |
| 6 | 30993567 | rs4713420 | *MUC21* | A | 1.29 | 0.11 | 1.03 | 1.60 | 2.22 | 2.65E-02 |  |  |  |  |  |  |  |
| 6 | 30993590 | rs12179536 | *MUC21* |  |  |  |  |  |  |  | G | 0.80 | 0.09 | 0.68 | 0.95 | -2.53 | 1.15E-02 |
| 6 | 31002101 | rs7768644 | *MUC21* |  |  |  |  |  |  |  | A | 0.72 | 0.15 | 0.53 | 0.96 | -2.22 | 2.65E-02 |
| 6 | 31003701 | rs28894977 | *MUC21* |  |  |  |  |  |  |  | G | 0.70 | 0.15 | 0.52 | 0.95 | -2.32 | 2.05E-02 |
| 6 | 31005713 | rs9262556 | *MUC21* |  |  |  |  |  |  |  | A | 0.61 | 0.19 | 0.42 | 0.88 | -2.65 | 8.01E-03 |
| 6 | 31005726 | rs2844670 | *MUC21* |  |  |  |  |  |  |  | G | 1.29 | 0.09 | 1.08 | 1.53 | 2.81 | 5.03E-03 |
| 6 | 31015182 | rs2844645 | *MUC22* |  |  |  |  |  |  |  | A | 0.83 | 0.07 | 0.73 | 0.95 | -2.66 | 7.77E-03 |
| 6 | 31021630 | rs2523856 | *MUC22* |  |  |  |  |  |  |  | G | 1.16 | 0.07 | 1.01 | 1.33 | 2.11 | 3.49E-02 |
| 6 | 31024808 | rs9262632 | *MUC22* | G | 1.31 | 0.12 | 1.04 | 1.66 | 2.27 | 2.34E-02 |  |  |  |  |  |  |  |
| 6 | 31025848 | rs9262636 | *MUC22* | G | 1.18 | 0.07 | 1.03 | 1.35 | 2.31 | 2.08E-02 |  |  |  |  |  |  |  |
| 6 | 31026434 | rs2517523 | *MUC22* | G | 1.13 | 0.06 | 1.00 | 1.27 | 2.00 | 4.57E-02 |  |  |  |  |  |  |  |
| 6 | 31046494 | rs2517474 | *MUC22* | A | 1.14 | 0.06 | 1.01 | 1.28 | 2.15 | 3.14E-02 |  |  |  |  |  |  |  |
| 6 | 31047620 | rs3132564 | *MUC22* |  |  |  |  |  |  |  | A | 0.86 | 0.07 | 0.75 | 0.98 | -2.20 | 2.80E-02 |
| 6 | 31049222 | rs3901375 | *MUC22* |  |  |  |  |  |  |  | T | 0.75 | 0.13 | 0.58 | 0.96 | -2.32 | 2.04E-02 |
| 6 | 31049655 | rs9380215 | *MUC22* | A | 1.24 | 0.10 | 1.01 | 1.52 | 2.02 | 4.33E-02 |  |  |  |  |  |  |  |
| 6 | 46846043 | rs41273668 | *MEP1A* | T | 0.62 | 0.16 | 0.45 | 0.85 | -3.02 | 2.55E-03 | T | 0.65 | 0.18 | 0.45 | 0.93 | -2.37 | 1.79E-02 |
| 7 | 2827276 | rs2258960 | *GNA12* |  |  |  |  |  |  |  | A | 1.21 | 0.07 | 1.05 | 1.39 | 2.62 | 8.70E-03 |
| 7 | 2869985 | rs1182188 | *GNA12* |  |  |  |  |  |  |  | G | 0.78 | 0.08 | 0.67 | 0.91 | -3.28 | 1.05E-03 |
| 7 | 90102196 | rs177665 | *CLDN12* |  |  |  |  |  |  |  | G | 0.82 | 0.07 | 0.71 | 0.94 | -2.89 | 3.90E-03 |
| 7 | 100853173 | rs1468358 | *CLDN15* | G | 1.20 | 0.07 | 1.06 | 1.37 | 2.81 | 4.98E-03 |  |  |  |  |  |  |  |
| 7 | 107527692 | rs17496031 | *LAMB1* | C | 0.72 | 0.15 | 0.54 | 0.96 | -2.22 | 2.66E-02 |  |  |  |  |  |  |  |
| 7 | 107564539 | rs3213673 | *LAMB1* |  |  |  |  |  |  |  | G | 1.17 | 0.07 | 1.03 | 1.34 | 2.33 | 1.99E-02 |
| 7 | 107575605 | rs117733370 | *LAMB1* | G | 0.38 | 0.37 | 0.18 | 0.78 | -2.62 | 8.72E-03 |  |  |  |  |  |  |  |
| 7 | 107584780 | rs740287 | *LAMB1* | C | 1.14 | 0.06 | 1.02 | 1.27 | 2.23 | 2.57E-02 | C | 1.30 | 0.07 | 1.14 | 1.49 | 3.96 | 7.42E-05 |
| 7 | 107602624 | rs2528651 | *LAMB1* |  |  |  |  |  |  |  | A | 1.42 | 0.14 | 1.09 | 1.85 | 2.58 | 9.93E-03 |
| 9 | 13106598 | rs3264 | *MPDZ* | G | 1.20 | 0.06 | 1.06 | 1.36 | 2.84 | 4.58E-03 |  |  |  |  |  |  |  |
| 9 | 71883454 | rs1538580 | *TJP2* | A | 0.84 | 0.07 | 0.72 | 0.96 | -2.45 | 1.41E-02 |  |  |  |  |  |  |  |
| 10 | 35019863 | rs11009897 | *PARD3* |  |  |  |  |  |  |  | G | 0.85 | 0.08 | 0.72 | 1.00 | -2.00 | 4.53E-02 |
| 11 | 413324 | rs7948644 | *PKP3* |  |  |  |  |  |  |  | A | 1.17 | 0.08 | 1.01 | 1.37 | 2.02 | 4.35E-02 |
| 11 | 438804 | rs117931426 | *PKP3* | A | 0.12 | 1.07 | 0.01 | 0.95 | -2.01 | 4.49E-02 |  |  |  |  |  |  |  |
| 11 | 453593 | rs117196656 | *PKP3* | A | 0.60 | 0.25 | 0.37 | 0.98 | -2.06 | 3.99E-02 | A | 0.54 | 0.31 | 0.29 | 0.98 | -2.03 | 4.21E-02 |
| 11 | 94404315 | rs504847 | *AMOTL1* |  |  |  |  |  |  |  | A | 0.78 | 0.10 | 0.64 | 0.96 | -2.40 | 1.64E-02 |
| 11 | 134024427 | rs35858779 | *JAM3* | A | 1.21 | 0.08 | 1.04 | 1.40 | 2.47 | 1.35E-02 |  |  |  |  |  |  |  |
| 12 | 40738303 | rs10459265 | *MUC19* | G | 1.14 | 0.06 | 1.01 | 1.28 | 2.16 | 3.06E-02 |  |  |  |  |  |  |  |
| 12 | 40740365 | rs10784522 | *MUC19* | A | 0.86 | 0.06 | 0.76 | 0.97 | -2.39 | 1.69E-02 |  |  |  |  |  |  |  |
| 12 | 40744086 | rs4768235 | *MUC19* | A | 1.38 | 0.08 | 1.18 | 1.61 | 3.99 | 6.55E-05 | A | 1.22 | 0.09 | 1.02 | 1.46 | 2.22 | 2.67E-02 |
| 12 | 40756472 | rs4768236 | *MUC19* | C | 1.28 | 0.06 | 1.13 | 1.43 | 4.05 | 5.16E-05 |  |  |  |  |  |  |  |
| 12 | 40764769 | rs11609433 | *MUC19* | C | 0.87 | 0.06 | 0.77 | 0.99 | -2.18 | 2.91E-02 |  |  |  |  |  |  |  |
| 12 | 40772575 | rs117987337 | *MUC19* | C | 1.76 | 0.25 | 1.08 | 2.87 | 2.25 | 2.42E-02 |  |  |  |  |  |  |  |
| 12 | 40773282 | rs7955042 | *MUC19* | G | 1.28 | 0.09 | 1.06 | 1.54 | 2.61 | 9.01E-03 |  |  |  |  |  |  |  |
| 12 | 40808832 | rs994798 | *MUC19* | G | 0.87 | 0.06 | 0.77 | 0.98 | -2.23 | 2.60E-02 |  |  |  |  |  |  |  |
| 12 | 40824917 | rs7306163 | *MUC19* | C | 1.15 | 0.06 | 1.02 | 1.29 | 2.26 | 2.36E-02 |  |  |  |  |  |  |  |
| 12 | 40825845 | rs10431573 | *MUC19* | G | 0.87 | 0.07 | 0.77 | 0.99 | -2.05 | 4.02E-02 |  |  |  |  |  |  |  |
| 12 | 40830583 | rs11564168 | *MUC19* | G | 1.16 | 0.07 | 1.01 | 1.34 | 2.06 | 3.95E-02 |  |  |  |  |  |  |  |
| 12 | 48208368 | rs11168249 | *VDR* | G | 1.12 | 0.06 | 1.00 | 1.26 | 1.99 | 4.64E-02 | G | 1.16 | 0.07 | 1.02 | 1.33 | 2.20 | 2.76E-02 |
| 12 | 48252664 | rs2238140 | *VDR* | G | 0.88 | 0.06 | 0.78 | 0.99 | -2.11 | 3.52E-02 |  |  |  |  |  |  |  |
| 12 | 48273714 | rs2254210 | *VDR* |  |  |  |  |  |  |  | A | 1.20 | 0.07 | 1.04 | 1.38 | 2.54 | 1.11E-02 |
| 12 | 48277713 | rs2238136 | *VDR* | A | 0.86 | 0.07 | 0.75 | 0.98 | -2.27 | 2.32E-02 |  |  |  |  |  |  |  |
| 12 | 48278487 | rs2853564 | *VDR* | G | 1.15 | 0.06 | 1.02 | 1.30 | 2.35 | 1.89E-02 | G | 1.22 | 0.07 | 1.06 | 1.39 | 2.79 | 5.31E-03 |
| 12 | 48280665 | rs4760648 | *VDR* |  |  |  |  |  |  |  | A | 0.84 | 0.07 | 0.73 | 0.96 | -2.62 | 8.76E-03 |
| 12 | 56497641 | rs79335261 | *MYL6B* | A | 1.49 | 0.16 | 1.08 | 2.06 | 2.44 | 1.49E-02 |  |  |  |  |  |  |  |
| 12 | 56503127 | rs11171744 | *MYL6B* | C | 0.80 | 0.08 | 0.68 | 0.94 | -2.73 | 6.32E-03 |  |  |  |  |  |  |  |
| 12 | 56520092 | rs3809133 | *MYL6B* |  |  |  |  |  |  |  | G | 0.70 | 0.15 | 0.52 | 0.94 | -2.38 | 1.73E-02 |
| 13 | 96193889 | rs962320 | *CLDN10* |  |  |  |  |  |  |  | A | 1.24 | 0.09 | 1.03 | 1.48 | 2.31 | 2.08E-02 |
| 15 | 30197613 | rs785421 | *TJP1* | G | 0.88 | 0.06 | 0.78 | 0.99 | -2.07 | 3.81E-02 |  |  |  |  |  |  |  |
| 15 | 30290306 | rs939981 | *TJP1* |  |  |  |  |  |  |  | A | 1.31 | 0.11 | 1.05 | 1.62 | 2.42 | 1.57E-02 |
| 15 | 30290430 | rs939983 | *TJP1* | G | 1.20 | 0.08 | 1.03 | 1.40 | 2.36 | 1.82E-02 | G | 1.22 | 0.09 | 1.02 | 1.45 | 2.16 | 3.09E-02 |
| 15 | 57821410 | rs4774956 | *CGNL1* |  |  |  |  |  |  |  | G | 1.22 | 0.07 | 1.06 | 1.39 | 2.83 | 4.65E-03 |
| 16 | 4941397 | rs2660243 | *PPL* |  |  |  |  |  |  |  | A | 1.16 | 0.07 | 1.00 | 1.34 | 2.00 | 4.54E-02 |
| 16 | 68740371 | rs72785153 | *CDH1* | A | 0.78 | 0.12 | 0.61 | 1.00 | -1.98 | 4.74E-02 | A | 0.64 | 0.15 | 0.48 | 0.86 | -2.93 | 3.43E-03 |
| 18 | 12744692 | rs16939788 | *PTPN2* | A | 1.15 | 0.07 | 1.01 | 1.31 | 2.05 | 4.08E-02 |  |  |  |  |  |  |  |
| 18 | 12759976 | rs12457255 | *PTPN2* |  |  |  |  |  |  |  | A | 0.83 | 0.08 | 0.71 | 0.98 | -2.19 | 2.86E-02 |
| 18 | 12760231 | rs76970129 | *PTPN2* |  |  |  |  |  |  |  | A | 0.47 | 0.37 | 0.23 | 0.98 | -2.01 | 4.48E-02 |
| 18 | 12770851 | rs9960807 | *PTPN2* | G | 1.26 | 0.09 | 1.06 | 1.50 | 2.60 | 9.25E-03 |  |  |  |  |  |  |  |
| 18 | 12777573 | rs2542148 | *PTPN2* | G | 1.17 | 0.08 | 1.00 | 1.38 | 1.97 | 4.84E-02 |  |  |  |  |  |  |  |
| 18 | 12779300 | rs75243009 | *PTPN2* | A | 0.36 | 0.35 | 0.18 | 0.72 | -2.93 | 3.43E-03 |  |  |  |  |  |  |  |
| 18 | 12791658 | rs34250022 | *PTPN2* |  |  |  |  |  |  |  | D | 0.56 | 0.24 | 0.35 | 0.90 | -2.41 | 1.59E-02 |
| 18 | 12808467 | rs35153695 | *PTPN2* | D | 1.20 | 0.08 | 1.02 | 1.40 | 2.20 | 2.79E-02 |  |  |  |  |  |  |  |
| 18 | 12820057 | rs973767 | *PTPN2* | G | 0.84 | 0.08 | 0.72 | 0.98 | -2.17 | 3.02E-02 |  |  |  |  |  |  |  |
| 18 | 12833977 | rs62097818 | *PTPN2* | A | 2.53 | 0.45 | 1.05 | 6.10 | 2.07 | 3.88E-02 | A | 2.92 | 0.47 | 1.15 | 7.39 | 2.26 | 2.37E-02 |
| 18 | 12845245 | rs74366084 | *PTPN2* | A | 0.84 | 0.08 | 0.71 | 1.00 | -2.01 | 4.40E-02 |  |  |  |  |  |  |  |
| 18 | 12857758 | rs62097857 | *PTPN2* | A | 1.42 | 0.15 | 1.05 | 1.92 | 2.30 | 2.17E-02 |  |  |  |  |  |  |  |
| 18 | 12859014 | rs45569735 | *PTPN2* | A | 1.26 | 0.11 | 1.02 | 1.56 | 2.14 | 3.27E-02 |  |  |  |  |  |  |  |
| 18 | 12887750 | rs8096327 | *PTPN2* | G | 1.16 | 0.06 | 1.03 | 1.31 | 2.39 | 1.67E-02 |  |  |  |  |  |  |  |
| 18 | 12911423 | rs4797717 | *PTPN2* | A | 1.15 | 0.07 | 1.01 | 1.31 | 2.05 | 4.08E-02 |  |  |  |  |  |  |  |
| 18 | 29033481 | rs3911656 | *DSG3* |  |  |  |  |  |  |  | A | 1.19 | 0.09 | 1.00 | 1.41 | 2.00 | 4.55E-02 |
| 19 | 3731847 | rs1879039 | *TJP3* |  |  |  |  |  |  |  | A | 0.82 | 0.09 | 0.70 | 0.97 | -2.30 | 2.14E-02 |
| 19 | 9074950 | rs2591591 | *MUC16* | A | 0.86 | 0.07 | 0.76 | 0.98 | -2.31 | 2.08E-02 |  |  |  |  |  |  |  |
| 19 | 46320780 | rs10401439 | *SYMPK* |  |  |  |  |  |  |  | A | 1.22 | 0.09 | 1.02 | 1.45 | 2.17 | 2.97E-02 |
| 20 | 43065028 | rs6017342 | *HNF4A* |  |  |  |  |  |  |  | A | 0.82 | 0.08 | 0.70 | 0.97 | -2.38 | 1.72E-02 |
| 20 | 43065275 | rs6017343 | *HNF4A* |  |  |  |  |  |  |  | G | 0.76 | 0.07 | 0.67 | 0.87 | -3.98 | 6.95E-05 |
| 20 | 43068996 | rs4812833 | *HNF4A* |  |  |  |  |  |  |  | G | 0.81 | 0.07 | 0.71 | 0.93 | -3.01 | 2.59E-03 |
| 20 | 43075077 | rs911359 | *HNF4A* |  |  |  |  |  |  |  | A | 0.64 | 0.22 | 0.41 | 0.99 | -2.01 | 4.49E-02 |
| 20 | 43075280 | rs7267639 | *HNF4A* |  |  |  |  |  |  |  | G | 1.27 | 0.10 | 1.03 | 1.55 | 2.24 | 2.49E-02 |
| 20 | 43075437 | rs2093248 | *HNF4A* |  |  |  |  |  |  |  | G | 1.17 | 0.08 | 1.01 | 1.36 | 2.07 | 3.88E-02 |
| 20 | 43077520 | rs56115289 | *HNF4A* |  |  |  |  |  |  |  | A | 1.29 | 0.10 | 1.05 | 1.58 | 2.45 | 1.42E-02 |
| 21 | 31616034 | rs720901 | *CLDN8* |  |  |  |  |  |  |  | A | 1.17 | 0.07 | 1.02 | 1.35 | 2.26 | 2.40E-02 |
| 21 | 43814438 | rs117975552 | *TFF2* |  |  |  |  |  |  |  | A | 0.64 | 0.19 | 0.44 | 0.93 | -2.36 | 1.83E-02 |
| 21 | 43825475 | rs7282058 | *TFF1* | A | 0.84 | 0.07 | 0.74 | 0.96 | -2.54 | 1.11E-02 |  |  |  |  |  |  |  |
| 21 | 43831955 | rs9981704 | *TFF1* | A | 1.22 | 0.07 | 1.06 | 1.40 | 2.78 | 5.45E-03 |  |  |  |  |  |  |  |
| 21 | 43832918 | rs3761378 | *TFF1* | G | 1.14 | 0.06 | 1.02 | 1.29 | 2.20 | 2.78E-02 |  |  |  |  |  |  |  |
| 21 | 43835669 | rs7276630 | *TFF1* | A | 1.18 | 0.06 | 1.04 | 1.33 | 2.57 | 1.03E-02 |  |  |  |  |  |  |  |

CHR, chromosome number; BP, base pair coordinate; SNP, SNP identifier; CD, Crohn's disease; UC, ulcerative colitis; A1, allele 1; OR, odds ratio; SE, standard error of OR; L95, lower bound of 95% confidence interval for odds ratio; U95, upper bound of 95% confidence interval for odds ratio; STAT, statistic test value.

**Supplementary Table 5: Enrichment analysis of associated SNPs in epithelial barrier genes**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gene symbol** | **CD** | | | | **UC** | | | |
| **Significant n SNPs** | **Total n SNPs** | **% significant SNPs** | **P** | **Significant n SNPs** | **Total n SNPs** | **% significant SNPs** | **P** |
| *AMOTL1* | 0 | 3 | 0.00 | 1.00E+00 | 1 | 3 | 33.33 | 1.49E-01 |
| *CDH1* | 1 | 63 | 1.59 | 9.84E-01 | 1 | 63 | 1.59 | 9.69E-01 |
| *CGNL1* | 0 | 5 | 0.00 | 1.00E+00 | 1 | 5 | 20.00 | 2.36E-01 |
| *CLDN10* | 0 | 2 | 0.00 | 1.00E+00 | 1 | 2 | 50.00 | 1.02E-01 |
| *CLDN11* | 1 | 7 | 14.29 | 3.63E-01 | 1 | 7 | 14.29 | 3.14E-01 |
| *CLDN12* | 0 | 4 | 0.00 | 1.00E+00 | 1 | 4 | 25.00 | 1.94E-01 |
| *CLDN14* | 0 | 3 | 0.00 | 1.00E+00 | 0 | 3 | 0.00 | 1.00E+00 |
| *CLDN15* | 1 | 1 | 100.00 | 6.23E-02 | 0 | 1 | 0.00 | 1.00E+00 |
| *CLDN16* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *CLDN18* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *CLDN19* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *CLDN20* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *CLDN23* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *CLDN4* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *CLDN5* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *CLDN6* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *CLDN7* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *CLDN8* | 0 | 1 | 0.00 | 1.00E+00 | 1 | 1 | 100.00 | 5.24E-02 |
| *CTNNA1* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *CTNND1* | 0 | 2 | 0.00 | 1.00E+00 | 0 | 2 | 0.00 | 1.00E+00 |
| *CXADR* | 0 | 3 | 0.00 | 1.00E+00 | 0 | 3 | 0.00 | 1.00E+00 |
| *DSC1* | 0 | 2 | 0.00 | 1.00E+00 | 0 | 2 | 0.00 | 1.00E+00 |
| *DSC2* | 0 | 5 | 0.00 | 1.00E+00 | 0 | 5 | 0.00 | 1.00E+00 |
| *DSC3* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *DSG2* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *DSG3* | 0 | 2 | 0.00 | 1.00E+00 | 1 | 2 | 50.00 | 1.02E-01 |
| *EMCN* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *F11R* | 0 | 27 | 0.00 | 1.00E+00 | 0 | 27 | 0.00 | 1.00E+00 |
| *GNA12* | 0 | 3 | 0.00 | 1.00E+00 | 2 | 3 | 66.67 | **7.85E-03** |
| *HNF4A* | 0 | 43 | 0.00 | 1.00E+00 | 7 | 43 | 16.28 | **5.67E-03** |
| *IGSF5* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *ITGA6* | 0 | 6 | 0.00 | 1.00E+00 | 0 | 6 | 0.00 | 1.00E+00 |
| *ITGB4* | 0 | 3 | 0.00 | 1.00E+00 | 0 | 3 | 0.00 | 1.00E+00 |
| *JAM3* | 1 | 2 | 50.00 | 1.21E-01 | 0 | 2 | 0.00 | 1.00E+00 |
| *JUP* | 0 | 3 | 0.00 | 1.00E+00 | 0 | 3 | 0.00 | 1.00E+00 |
| *LAMA1* | 0 | 3 | 0.00 | 1.00E+00 | 0 | 3 | 0.00 | 1.00E+00 |
| *LAMA3* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *LAMA4* | 0 | 5 | 0.00 | 1.00E+00 | 0 | 5 | 0.00 | 1.00E+00 |
| *LAMA5* | 0 | 5 | 0.00 | 1.00E+00 | 0 | 5 | 0.00 | 1.00E+00 |
| *LAMB1* | 3 | 68 | 4.41 | 8.11E-01 | 3 | 68 | 4.41 | 7.05E-01 |
| *LAMB2* | 1 | 34 | 2.94 | 8.91E-01 | 4 | 34 | 11.76 | 9.78E-02 |
| *LAMC1* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *LAMC2* | 0 | 9 | 0.00 | 1.00E+00 | 0 | 9 | 0.00 | 1.00E+00 |
| *MAGI1* | 2 | 12 | 16.67 | 1.69E-01 | 2 | 12 | 16.67 | 1.27E-01 |
| *MAGI2* | 0 | 26 | 0.00 | 1.00E+00 | 0 | 26 | 0.00 | 1.00E+00 |
| *MAGI3* | 10 | 165 | 6.06 | 5.91E-01 | 5 | 165 | 3.03 | 9.48E-01 |
| *MARVELD3* | 0 | 3 | 0.00 | 1.00E+00 | 0 | 3 | 0.00 | 1.00E+00 |
| *MCAM* | 0 | 3 | 0.00 | 1.00E+00 | 0 | 3 | 0.00 | 1.00E+00 |
| *MEP1A* | 1 | 1 | 100.00 | 6.23E-02 | 1 | 1 | 100.00 | 5.24E-02 |
| *MLLT4* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *MPDZ* | 1 | 2 | 50.00 | 1.21E-01 | 0 | 2 | 0.00 | 1.00E+00 |
| *MPP5* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *MUC1* | 1 | 35 | 2.86 | 8.98E-01 | 2 | 35 | 5.71 | 5.57E-01 |
| *MUC13* | 0 | 3 | 0.00 | 1.00E+00 | 0 | 3 | 0.00 | 1.00E+00 |
| *MUC15* | 0 | 2 | 0.00 | 1.00E+00 | 0 | 2 | 0.00 | 1.00E+00 |
| *MUC16* | 1 | 1 | 100.00 | 6.23E-02 | 0 | 1 | 0.00 | 1.00E+00 |
| *MUC17* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *MUC19* | 11 | 101 | 10.89 | **4.30E-02** | 1 | 101 | 0.99 | 9.97E-01 |
| *MUC21* | 1 | 65 | 1.54 | 9.86E-01 | 7 | 65 | 10.77 | **4.87E-02** |
| *MUC22* | 5 | 22 | 22.73 | **9.41E-03** | 4 | 22 | 18.18 | **2.47E-02** |
| *MUC3A* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *MUC4* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *MUC5AC* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *MUC5B* | 0 | 3 | 0.00 | 1.00E+00 | 0 | 3 | 0.00 | 1.00E+00 |
| *MUC6* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *MUC7* | 0 | 2 | 0.00 | 1.00E+00 | 0 | 2 | 0.00 | 1.00E+00 |
| *MUC8* | 0 | 4 | 0.00 | 1.00E+00 | 0 | 4 | 0.00 | 1.00E+00 |
| *MYL12A* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *MYL2* | 0 | 2 | 0.00 | 1.00E+00 | 0 | 2 | 0.00 | 1.00E+00 |
| *MYL3* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *MYL5* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *MYL6* | 0 | 4 | 0.00 | 1.00E+00 | 0 | 4 | 0.00 | 1.00E+00 |
| *MYL6B* | 2 | 69 | 2.90 | 9.39E-01 | 1 | 69 | 1.45 | 9.78E-01 |
| *MYL7* | 0 | 4 | 0.00 | 1.00E+00 | 0 | 4 | 0.00 | 1.00E+00 |
| *MYLK* | 0 | 6 | 0.00 | 1.00E+00 | 0 | 6 | 0.00 | 1.00E+00 |
| *MYO9B* | 0 | 2 | 0.00 | 1.00E+00 | 0 | 2 | 0.00 | 1.00E+00 |
| *OVGP1* | 0 | 2 | 0.00 | 1.00E+00 | 0 | 2 | 0.00 | 1.00E+00 |
| *PARD3* | 0 | 6 | 0.00 | 1.00E+00 | 1 | 6 | 16.67 | 2.76E-01 |
| *PKP1* | 1 | 3 | 33.33 | 1.76E-01 | 0 | 3 | 0.00 | 1.00E+00 |
| *PKP3* | 2 | 38 | 5.26 | 6.98E-01 | 2 | 38 | 5.26 | 6.03E-01 |
| *PKP4* | 0 | 5 | 0.00 | 1.00E+00 | 0 | 5 | 0.00 | 1.00E+00 |
| *PLEC* | 0 | 4 | 0.00 | 1.00E+00 | 0 | 4 | 0.00 | 1.00E+00 |
| *PLEKHA7* | 0 | 7 | 0.00 | 1.00E+00 | 0 | 7 | 0.00 | 1.00E+00 |
| *PPL* | 0 | 5 | 0.00 | 1.00E+00 | 1 | 5 | 20.00 | 2.36E-01 |
| *PTGER4* | 9 | 43 | 20.93 | **8.94E-04** | 1 | 43 | 2.33 | 9.05E-01 |
| *PTPN2* | 12 | 167 | 7.19 | 3.41E-01 | 4 | 167 | 2.40 | 9.83E-01 |
| *RETNLB* | 0 | 3 | 0.00 | 1.00E+00 | 0 | 3 | 0.00 | 1.00E+00 |
| *RHOA* | 4 | 37 | 10.81 | 1.94E-01 | 4 | 37 | 10.81 | 1.24E-01 |
| *ROCK2* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *SYMPK* | 0 | 10 | 0.00 | 1.00E+00 | 1 | 10 | 10.00 | 4.17E-01 |
| *TCF4* | 0 | 11 | 0.00 | 1.00E+00 | 0 | 11 | 0.00 | 1.00E+00 |
| *TFF1* | 4 | 15 | 26.67 | **1.12E-02** | 0 | 15 | 0.00 | 1.00E+00 |
| *TFF2* | 0 | 22 | 0.00 | 1.00E+00 | 1 | 22 | 4.55 | 6.97E-01 |
| *TFF3* | 0 | 1 | 0.00 | 1.00E+00 | 0 | 1 | 0.00 | 1.00E+00 |
| *TJP1* | 2 | 8 | 25.00 | 8.40E-02 | 2 | 8 | 25.00 | 6.17E-02 |
| *TJP2* | 1 | 2 | 50.00 | 1.21E-01 | 0 | 2 | 0.00 | 1.00E+00 |
| *TJP3* | 0 | 2 | 0.00 | 1.00E+00 | 1 | 2 | 50.00 | 1.02E-01 |
| *VDR* | 4 | 48 | 8.33 | 3.50E-01 | 4 | 48 | 8.33 | 2.40E-01 |

Significant P are indicated in bold.

CD, Crohn's disease; UC, ulcerative colitis; n, number.

**Supplementary Table 6: Enrichment analysis of associated genes (≥1 SNP) in barrier components**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Barrier component** | **CD** | | | | **UC** | | | |
| **Significant n genes** | **Total n genes** | **% significant genes** | **P** | **Significant n genes** | **Total n genes** | **% significant genes** | **P** |
| Mucus layer | 6 | 22 | 27.27 | 5.15E-01 | 5 | 22 | 22.73 | 9.02E-01 |
| Tight junctions | 5 | 23 | 21.74 | 7.69E-01 | 7 | 23 | 30.43 | 6.49E-01 |
| Adherens junctions | 1 | 4 | 25.00 | 6.99E-01 | 1 | 4 | 25.00 | 7.88E-01 |
| Desmosomes | 2 | 10 | 20.00 | 7.82E-01 | 3 | 10 | 30.00 | 6.71E-01 |
| Hemidesmosomes | 0 | 3 | 0.00 | 1.00E+00 | 0 | 3 | 0.00 | 1.00E+00 |
| Cytoskeleton | 2 | 11 | 18.18 | 8.30E-01 | 2 | 11 | 18.18 | 9.20E-01 |
| Extracellular matrix | 2 | 8 | 25.00 | 6.56E-01 | 2 | 8 | 25.00 | 7.87E-01 |
| Regulating proteins | 7 | 17 | 41.18 | 9.57E-02 | 11 | 17 | 64.71 | **2.18E-03** |

Significant P are indicated in bold.

CD, Crohn's disease; UC, ulcerative colitis; n, number.

**Supplementary Table 7: Comparisons for all selected barrier genes** [groups: IBDc/UC/CDc/CDi/controls]

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Probeset ID** | **Gene symbol(s)** | **IBDc (n=105)  versus control colons (n=11)** | | | **Active IBDc (n=82) versus control colons (n=11)** | | | **Inactive IBDc (n=23) versus control colons (n=11)** | | | **Inactive IBDc (n=23) versus active IBDc (n=82)** | | |
|
|
| **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** |
| 8174576 | *AMOT* | 1.08 | 4.38E-01 | 6.05E-01 | 1.06 | 5.85E-01 | 7.05E-01 | 1.16 | 3.73E-02 | 1.63E-01 | 1.09 | 2.66E-01 | 3.76E-01 |
| 7943263 | *AMOTL1* | 1.24 | 2.08E-03 | 9.91E-03 | 1.27 | 7.68E-04 | 3.23E-03 | 1.15 | 5.04E-02 | 1.97E-01 | 0.91 | 6.63E-02 | 1.22E-01 |
| 8090852 | *AMOTL2* | 1.23 | 4.56E-05 | 4.18E-04 | 1.26 | 3.91E-06 | 3.04E-05 | 1.12 | 4.16E-02 | 1.75E-01 | 0.89 | 1.61E-03 | 5.12E-03 |
| 7996837 | *CDH1* | 0.76 | 7.54E-02 | 1.74E-01 | 0.72 | 5.10E-02 | 1.13E-01 | 0.93 | 1.13E-01 | 3.21E-01 | 1.29 | 2.71E-02 | 5.79E-02 |
| 7905406 | *CGN* | 0.57 | 3.76E-05 | 3.57E-04 | 0.55 | 2.81E-05 | 1.76E-04 | 0.69 | 4.23E-05 | 1.75E-03 | 1.26 | 2.27E-02 | 4.98E-02 |
| 7983867 | *CGNL1/JACOP* | 0.98 | 7.67E-01 | 8.59E-01 | 0.93 | 1.92E-01 | 3.17E-01 | 1.18 | 3.66E-02 | 1.61E-01 | 1.26 | 1.01E-07 | 1.01E-06 |
| 8092726 | *CLDN1* | 3.41 | 1.14E-06 | 2.01E-05 | 4.46 | 1.31E-12 | 5.45E-11 | 1.31 | 1.85E-01 | 4.29E-01 | 0.29 | 5.06E-14 | 2.57E-12 |
| 7969640 | *CLDN10* | 1.16 | 1.52E-02 | 5.05E-02 | 1.20 | 6.78E-03 | 2.13E-02 | 1.05 | 2.45E-01 | 5.02E-01 | 0.87 | 3.81E-03 | 1.08E-02 |
| 8083887 | *CLDN11* | 1.07 | 1.35E-01 | 2.68E-01 | 1.09 | 7.60E-02 | 1.54E-01 | 1.01 | 8.56E-01 | 9.36E-01 | 0.93 | 2.14E-02 | 4.74E-02 |
| 8134091 | *CLDN12* | 1.64 | 2.69E-05 | 2.70E-04 | 1.73 | 6.58E-06 | 4.82E-05 | 1.35 | 1.72E-03 | 2.15E-02 | 0.78 | 4.10E-03 | 1.15E-02 |
| 8070233 | *CLDN14* | 1.05 | 3.14E-01 | 4.85E-01 | 1.04 | 3.38E-01 | 4.79E-01 | 1.05 | 3.28E-01 | 5.88E-01 | 1.01 | 8.08E-01 | 8.65E-01 |
| 8141708 | *CLDN15* | 0.77 | 1.11E-04 | 8.83E-04 | 0.73 | 2.30E-07 | 2.43E-06 | 0.95 | 3.84E-01 | 6.37E-01 | 1.30 | 1.17E-08 | 1.50E-07 |
| 8084788 | *CLDN16* | 1.03 | 6.07E-01 | 7.44E-01 | 1.05 | 3.49E-01 | 4.90E-01 | 0.95 | 2.91E-01 | 5.51E-01 | 0.90 | 8.58E-03 | 2.18E-02 |
| 8069790 | *CLDN17* | 0.97 | 4.47E-01 | 6.13E-01 | 0.96 | 2.46E-01 | 3.80E-01 | 1.02 | 6.47E-01 | 8.26E-01 | 1.06 | 2.66E-02 | 5.70E-02 |
| 8082928 | *CLDN18* | 1.35 | 2.92E-02 | 8.48E-02 | 1.44 | 7.50E-03 | 2.32E-02 | 1.06 | 6.04E-01 | 8.00E-01 | 0.74 | 3.24E-03 | 9.37E-03 |
| 7915435 | *CLDN19* | 0.93 | 1.71E-01 | 3.18E-01 | 0.92 | 1.05E-01 | 1.99E-01 | 0.99 | 8.08E-01 | 9.12E-01 | 1.08 | 5.14E-02 | 9.90E-02 |
| 8169210 | *CLDN2* | 1.48 | 3.13E-05 | 3.08E-04 | 1.62 | 1.76E-08 | 2.50E-07 | 1.07 | 3.10E-01 | 5.70E-01 | 0.66 | 4.73E-11 | 1.11E-09 |
| 8122966 | *CLDN20* | 1.04 | 3.41E-01 | 5.12E-01 | 1.05 | 2.84E-01 | 4.22E-01 | 1.03 | 6.16E-01 | 8.07E-01 | 0.98 | 5.71E-01 | 6.74E-01 |
| 8103877 | *CLDN22* | 1.01 | 8.78E-01 | 9.30E-01 | 1.00 | 9.29E-01 | 9.56E-01 | 1.04 | 3.78E-01 | 6.30E-01 | 1.04 | 1.31E-01 | 2.15E-01 |
| 8144505 | *CLDN23* | 0.64 | 7.77E-07 | 1.48E-05 | 0.60 | 2.54E-09 | 4.53E-08 | 0.81 | 1.56E-02 | 9.40E-02 | 1.36 | 5.46E-07 | 4.50E-06 |
| 8103879 | *CLDN24* | 0.91 | 1.84E-02 | 5.87E-02 | 0.89 | 3.93E-03 | 1.33E-02 | 0.98 | 6.58E-01 | 8.32E-01 | 1.10 | 8.11E-04 | 2.82E-03 |
| 8140140 | *CLDN3* | 0.86 | 2.46E-01 | 4.09E-01 | 0.79 | 9.05E-02 | 1.77E-01 | 1.15 | 4.51E-03 | 4.14E-02 | 1.46 | 1.63E-04 | 6.84E-04 |
| 8133360 | *CLDN4* | 0.79 | 6.70E-02 | 1.60E-01 | 0.73 | 2.08E-02 | 5.44E-02 | 1.03 | 5.88E-01 | 7.89E-01 | 1.41 | 3.29E-04 | 1.27E-03 |
| 8074473 | *CLDN5* | 1.14 | 3.76E-03 | 1.63E-02 | 1.14 | 4.41E-03 | 1.47E-02 | 1.13 | 1.10E-02 | 7.49E-02 | 0.99 | 7.09E-01 | 7.88E-01 |
| 7998898 | *CLDN6* | 0.99 | 7.85E-01 | 8.71E-01 | 0.97 | 6.13E-01 | 7.28E-01 | 1.04 | 4.92E-01 | 7.22E-01 | 1.07 | 1.01E-01 | 1.74E-01 |
| 8012126 | *CLDN7* | 0.74 | 6.42E-02 | 1.55E-01 | 0.71 | 5.08E-02 | 1.13E-01 | 0.89 | 3.45E-03 | 3.47E-02 | 1.26 | 5.92E-02 | 1.11E-01 |
| 8069795 | *CLDN8* | 0.14 | 3.31E-05 | 3.21E-04 | 0.07 | 2.06E-15 | 1.82E-13 | 1.25 | 6.31E-01 | 8.17E-01 | 16.62 | 7.69E-25 | 1.02E-21 |
| 7992782 | *CLDN9* | 0.94 | 1.80E-01 | 3.29E-01 | 0.92 | 1.03E-01 | 1.96E-01 | 1.00 | 9.52E-01 | 9.81E-01 | 1.08 | 2.84E-02 | 6.04E-02 |
| 8108378 | *CTNNA1* | 1.00 | 9.60E-01 | 9.78E-01 | 1.02 | 7.08E-01 | 8.03E-01 | 0.91 | 1.04E-01 | 3.07E-01 | 0.89 | 1.01E-02 | 2.51E-02 |
| 8079021 | *CTNNB1* | 1.05 | 2.97E-01 | 4.66E-01 | 1.08 | 9.20E-02 | 1.80E-01 | 0.97 | 5.61E-01 | 7.72E-01 | 0.90 | 2.81E-03 | 8.27E-03 |
| 7940079 | *CTNND1* | 0.79 | 5.06E-04 | 3.11E-03 | 0.76 | 9.19E-05 | 5.02E-04 | 0.92 | 1.07E-02 | 7.36E-02 | 1.21 | 1.10E-04 | 4.84E-04 |
| 8067955 | *CXADR* | 0.67 | 1.72E-02 | 5.58E-02 | 0.63 | 9.69E-03 | 2.88E-02 | 0.87 | 4.36E-02 | 1.80E-01 | 1.38 | 1.03E-02 | 2.55E-02 |
| 8022728 | *DSC1* | 0.94 | 9.55E-02 | 2.08E-01 | 0.95 | 1.76E-01 | 2.96E-01 | 0.90 | 1.20E-02 | 7.94E-02 | 0.95 | 9.68E-02 | 1.67E-01 |
| 8022711 | *DSC2* | 0.75 | 3.92E-02 | 1.07E-01 | 0.74 | 4.51E-02 | 1.03E-01 | 0.82 | 5.60E-04 | 1.03E-02 | 1.11 | 3.26E-01 | 4.40E-01 |
| 8022692 | *DSC3* | 0.94 | 2.16E-01 | 3.74E-01 | 0.93 | 1.58E-01 | 2.73E-01 | 0.96 | 5.22E-01 | 7.43E-01 | 1.03 | 4.46E-01 | 5.60E-01 |
| 8020724 | *DSG1* | 0.95 | 1.86E-01 | 3.37E-01 | 0.95 | 1.65E-01 | 2.81E-01 | 0.97 | 4.42E-01 | 6.85E-01 | 1.02 | 4.91E-01 | 6.02E-01 |
| 8020779 | *DSG2* | 0.69 | 4.27E-02 | 1.14E-01 | 0.67 | 5.23E-02 | 1.15E-01 | 0.76 | 3.69E-08 | 2.48E-05 | 1.14 | 3.66E-01 | 4.82E-01 |
| 8020762 | *DSG3* | 3.09 | 1.09E-03 | 5.83E-03 | 4.13 | 1.92E-05 | 1.25E-04 | 1.09 | 6.63E-01 | 8.35E-01 | 0.26 | 5.38E-08 | 5.78E-07 |
| 8020740 | *DSG4* | 0.99 | 7.44E-01 | 8.45E-01 | 1.00 | 9.08E-01 | 9.43E-01 | 0.93 | 7.53E-02 | 2.52E-01 | 0.92 | 7.56E-03 | 1.95E-02 |
| 8116780 | *DSP* | 0.70 | 1.73E-02 | 5.61E-02 | 0.63 | 4.04E-03 | 1.36E-02 | 0.98 | 7.54E-01 | 8.85E-01 | 1.55 | 9.91E-05 | 4.43E-04 |
| 8127234 | *DST* | 0.79 | 4.02E-03 | 1.72E-02 | 0.80 | 7.66E-03 | 2.36E-02 | 0.76 | 1.47E-03 | 1.94E-02 | 0.96 | 4.75E-01 | 5.88E-01 |
| 7905220 | *ECM1* | 1.35 | 1.17E-03 | 6.21E-03 | 1.46 | 1.15E-05 | 7.93E-05 | 1.00 | 9.97E-01 | 9.99E-01 | 0.68 | 3.26E-09 | 4.82E-08 |
| 8112731 | *F2RL2* | 2.53 | 2.30E-06 | 3.53E-05 | 3.04 | 3.33E-10 | 7.46E-09 | 1.31 | 7.43E-02 | 2.49E-01 | 0.43 | 2.37E-10 | 4.71E-09 |
| 8137865 | *GNA12* | 1.12 | 1.45E-02 | 4.86E-02 | 1.16 | 1.78E-03 | 6.71E-03 | 0.99 | 8.61E-01 | 9.38E-01 | 0.86 | 5.27E-06 | 3.35E-05 |
| 8062823 | *HNF4A* | 0.58 | 1.77E-04 | 1.30E-03 | 0.51 | 1.69E-06 | 1.43E-05 | 0.93 | 1.43E-01 | 3.69E-01 | 1.83 | 3.27E-09 | 4.83E-08 |
| 8095680 | *IL8* | 5.15 | 2.05E-05 | 2.17E-04 | 8.08 | 3.31E-10 | 7.42E-09 | 1.04 | 8.29E-01 | 9.23E-01 | 0.13 | 3.06E-17 | 3.89E-15 |
| 8046380 | *ITGA6* | 1.42 | 1.28E-04 | 9.92E-04 | 1.52 | 3.21E-06 | 2.55E-05 | 1.14 | 1.11E-01 | 3.17E-01 | 0.75 | 1.79E-05 | 9.77E-05 |
| 8009951 | *ITGB4* | 1.39 | 1.23E-03 | 6.44E-03 | 1.44 | 7.03E-04 | 2.99E-03 | 1.22 | 9.41E-03 | 6.75E-02 | 0.85 | 3.15E-02 | 6.58E-02 |
| 8068644 | *JAM4/IGSF5* | 0.95 | 4.38E-01 | 6.05E-01 | 0.90 | 3.34E-02 | 8.05E-02 | 1.18 | 2.05E-02 | 1.12E-01 | 1.31 | 8.52E-12 | 2.41E-10 |
| 7921713 | *JAMA/JAM1/F11R* | 0.81 | 7.51E-03 | 2.86E-02 | 0.78 | 2.74E-03 | 9.74E-03 | 0.93 | 1.58E-01 | 3.92E-01 | 1.19 | 2.71E-03 | 8.00E-03 |
| 8068024 | *JAMB/JAM2* | 2.02 | 4.08E-07 | 8.75E-06 | 2.10 | 2.89E-07 | 2.96E-06 | 1.78 | 9.34E-05 | 3.11E-03 | 0.85 | 9.10E-02 | 1.59E-01 |
| 7945262 | *JAMC/JAM3* | 1.62 | 4.45E-05 | 4.10E-04 | 1.71 | 7.39E-06 | 5.34E-05 | 1.34 | 7.67E-03 | 5.91E-02 | 0.78 | 4.18E-03 | 1.17E-02 |
| 8015412 | *JUP* | 0.84 | 5.76E-02 | 1.43E-01 | 0.81 | 3.14E-02 | 7.65E-02 | 0.95 | 4.55E-01 | 6.96E-01 | 1.18 | 1.77E-02 | 4.03E-02 |
| 8022176 | *LAMA1* | 1.09 | 1.17E-01 | 2.43E-01 | 1.12 | 3.66E-02 | 8.66E-02 | 0.97 | 3.72E-01 | 6.26E-01 | 0.87 | 1.93E-04 | 7.95E-04 |
| 8020551 | *LAMA3* | 0.88 | 1.76E-01 | 3.24E-01 | 0.93 | 4.34E-01 | 5.73E-01 | 0.72 | 8.02E-04 | 1.29E-02 | 0.77 | 1.41E-04 | 6.03E-04 |
| 8128991 | *LAMA4* | 2.12 | 7.36E-06 | 9.33E-05 | 2.36 | 9.24E-08 | 1.07E-06 | 1.47 | 2.55E-02 | 1.29E-01 | 0.62 | 6.50E-05 | 3.04E-04 |
| 8067409 | *LAMA5* | 1.43 | 1.37E-05 | 1.55E-04 | 1.51 | 5.35E-07 | 5.09E-06 | 1.17 | 7.40E-03 | 5.77E-02 | 0.77 | 1.15E-05 | 6.62E-05 |
| 8142194 | *LAMB1* | 1.48 | 3.25E-05 | 3.17E-04 | 1.58 | 5.92E-07 | 5.59E-06 | 1.17 | 4.80E-02 | 1.91E-01 | 0.74 | 5.15E-06 | 3.28E-05 |
| 8087337 | *LAMB2* | 1.63 | 1.36E-06 | 2.32E-05 | 1.75 | 1.73E-08 | 2.47E-07 | 1.26 | 3.48E-03 | 3.49E-02 | 0.72 | 4.64E-06 | 3.00E-05 |
| 7908041 | *LAMC1* | 2.51 | 8.95E-08 | 2.54E-06 | 2.89 | 7.30E-11 | 1.96E-09 | 1.51 | 4.56E-03 | 4.17E-02 | 0.52 | 1.80E-08 | 2.19E-07 |
| 7908072 | *LAMC2* | 1.48 | 3.94E-02 | 1.07E-01 | 1.73 | 2.54E-03 | 9.14E-03 | 0.85 | 2.41E-01 | 4.98E-01 | 0.49 | 2.45E-07 | 2.20E-06 |
| 8088602 | *MAGI1* | 0.54 | 1.71E-11 | 2.03E-09 | 0.49 | 1.07E-19 | 2.59E-17 | 0.78 | 1.80E-05 | 9.60E-04 | 1.60 | 6.65E-18 | 1.08E-15 |
| 8140504 | *MAGI2* | 0.96 | 3.81E-01 | 5.52E-01 | 0.94 | 1.07E-01 | 2.01E-01 | 1.06 | 2.44E-01 | 5.01E-01 | 1.13 | 9.01E-05 | 4.07E-04 |
| 7904106 | *MAGI3* | 0.64 | 4.24E-05 | 3.94E-04 | 0.60 | 5.03E-06 | 3.81E-05 | 0.82 | 2.06E-03 | 2.43E-02 | 1.36 | 6.47E-05 | 3.03E-04 |
| 8105899 | *MARVELD2* | 0.57 | 5.85E-04 | 3.49E-03 | 0.52 | 2.37E-04 | 1.15E-03 | 0.77 | 2.31E-04 | 5.64E-03 | 1.47 | 1.62E-03 | 5.16E-03 |
| 8177498 | *MARVELD2* | 0.57 | 5.85E-04 | 3.49E-03 | 0.52 | 2.37E-04 | 1.15E-03 | 0.77 | 2.31E-04 | 5.64E-03 | 1.47 | 1.62E-03 | 5.16E-03 |
| 7997158 | *MARVELD3* | 0.55 | 5.01E-08 | 1.57E-06 | 0.52 | 1.77E-08 | 2.52E-07 | 0.68 | 6.99E-07 | 1.19E-04 | 1.30 | 6.38E-04 | 2.28E-03 |
| 8120088 | *MEP1A* | 0.27 | 2.49E-06 | 3.78E-05 | 0.22 | 7.42E-08 | 8.80E-07 | 0.58 | 1.35E-06 | 1.89E-04 | 2.64 | 5.40E-07 | 4.45E-06 |
| 8123407 | *MLLT4/AF6* | 0.81 | 3.65E-03 | 1.59E-02 | 0.77 | 2.58E-04 | 1.24E-03 | 0.99 | 7.98E-01 | 9.07E-01 | 1.28 | 7.53E-07 | 5.97E-06 |
| 7975203 | *MPP5/PALS1* | 0.52 | 5.85E-13 | 1.16E-10 | 0.51 | 1.50E-12 | 6.15E-11 | 0.59 | 3.04E-09 | 5.31E-06 | 1.16 | 1.61E-02 | 3.72E-02 |
| 7920642 | *MUC1* | 2.15 | 9.51E-07 | 1.74E-05 | 2.32 | 2.74E-07 | 2.83E-06 | 1.65 | 1.47E-04 | 4.17E-03 | 0.71 | 1.89E-03 | 5.87E-03 |
| 8135031 | *MUC11/MUC12* | 1.03 | 8.27E-01 | 8.97E-01 | 0.98 | 9.05E-01 | 9.41E-01 | 1.21 | 4.80E-03 | 4.29E-02 | 1.23 | 3.48E-02 | 7.15E-02 |
| 8135033 | *MUC11/MUC12* | 1.02 | 8.94E-01 | 9.39E-01 | 0.98 | 8.72E-01 | 9.19E-01 | 1.17 | 6.62E-03 | 5.35E-02 | 1.20 | 6.21E-02 | 1.16E-01 |
| 8135037 | *MUC11/MUC12* | 1.38 | 1.51E-01 | 2.91E-01 | 1.26 | 3.37E-01 | 4.78E-01 | 1.94 | 1.72E-03 | 2.14E-02 | 1.54 | 8.26E-03 | 2.11E-02 |
| 8090180 | *MUC13* | 1.01 | 9.77E-01 | 9.87E-01 | 1.02 | 9.42E-01 | 9.64E-01 | 0.97 | 6.24E-01 | 8.12E-01 | 0.96 | 7.57E-01 | 8.26E-01 |
| 8101957 | *MUC14/EMCN* | 1.85 | 7.15E-04 | 4.12E-03 | 2.04 | 9.72E-05 | 5.27E-04 | 1.29 | 8.47E-02 | 2.70E-01 | 0.63 | 6.07E-04 | 2.19E-03 |
| 7939024 | *MUC15* | 0.98 | 7.55E-01 | 8.52E-01 | 0.98 | 6.64E-01 | 7.69E-01 | 1.01 | 8.36E-01 | 9.26E-01 | 1.03 | 3.98E-01 | 5.13E-01 |
| 7947156 | *MUC15* | 0.96 | 3.28E-01 | 4.99E-01 | 0.94 | 1.45E-01 | 2.55E-01 | 1.02 | 7.01E-01 | 8.58E-01 | 1.08 | 1.33E-02 | 3.16E-02 |
| 8033674 | *MUC16* | 1.09 | 7.69E-02 | 1.77E-01 | 1.12 | 2.92E-02 | 7.22E-02 | 1.00 | 9.35E-01 | 9.74E-01 | 0.89 | 1.72E-03 | 5.41E-03 |
| 8135048 | *MUC17* | 1.53 | 1.27E-01 | 2.56E-01 | 1.48 | 1.74E-01 | 2.93E-01 | 1.72 | 4.30E-02 | 1.78E-01 | 1.16 | 4.86E-01 | 5.98E-01 |
| 7952205 | *MUC18/MCAM* | 2.51 | 5.20E-07 | 1.07E-05 | 2.91 | 1.38E-09 | 2.64E-08 | 1.48 | 3.62E-03 | 3.59E-02 | 0.51 | 8.48E-08 | 8.66E-07 |
| 7954864 | *MUC19* | 0.97 | 4.57E-01 | 6.22E-01 | 0.97 | 4.54E-01 | 5.93E-01 | 0.98 | 5.39E-01 | 7.55E-01 | 1.00 | 9.28E-01 | 9.50E-01 |
| 7937560 | *MUC2* | 1.22 | 3.30E-01 | 5.01E-01 | 1.18 | 4.59E-01 | 5.97E-01 | 1.37 | 6.17E-03 | 5.10E-02 | 1.16 | 3.53E-01 | 4.68E-01 |
| 8084895 | *MUC20* | 0.81 | 2.18E-01 | 3.76E-01 | 0.73 | 8.06E-02 | 1.62E-01 | 1.14 | 2.65E-01 | 5.24E-01 | 1.56 | 5.23E-04 | 1.92E-03 |
| 8118069 | *MUC21* | 1.05 | 3.49E-01 | 5.20E-01 | 1.06 | 3.01E-01 | 4.41E-01 | 1.02 | 6.53E-01 | 8.30E-01 | 0.97 | 3.95E-01 | 5.10E-01 |
| 8177931 | *MUC21* | 1.07 | 1.88E-01 | 3.39E-01 | 1.08 | 1.46E-01 | 2.56E-01 | 1.03 | 5.22E-01 | 7.43E-01 | 0.96 | 2.40E-01 | 3.47E-01 |
| 8179224 | *MUC21* | 1.06 | 3.11E-01 | 4.81E-01 | 1.07 | 2.25E-01 | 3.56E-01 | 1.01 | 9.14E-01 | 9.63E-01 | 0.94 | 1.21E-01 | 2.01E-01 |
| 8135015 | *MUC3A/MUC3B* | 1.17 | 3.37E-01 | 5.08E-01 | 1.12 | 5.20E-01 | 6.50E-01 | 1.35 | 3.52E-03 | 3.52E-02 | 1.21 | 1.18E-01 | 1.97E-01 |
| 8092978 | *MUC4* | 1.65 | 6.45E-03 | 2.53E-02 | 1.71 | 6.35E-03 | 2.01E-02 | 1.46 | 1.08E-02 | 7.41E-02 | 0.86 | 2.69E-01 | 3.80E-01 |
| 7937612 | *MUC5B* | 2.44 | 5.78E-06 | 7.60E-05 | 2.65 | 1.29E-06 | 1.13E-05 | 1.84 | 2.28E-03 | 2.62E-02 | 0.69 | 9.25E-03 | 2.32E-02 |
| 7945595 | *MUC6* | 1.06 | 5.46E-01 | 6.98E-01 | 1.06 | 5.78E-01 | 6.99E-01 | 1.06 | 4.11E-01 | 6.60E-01 | 1.00 | 9.83E-01 | 9.88E-01 |
| 8095504 | *MUC7* | 0.94 | 2.43E-01 | 4.06E-01 | 0.92 | 1.00E-01 | 1.92E-01 | 1.02 | 6.99E-01 | 8.57E-01 | 1.11 | 6.09E-03 | 1.62E-02 |
| 7918504 | *MUC9/OVGP1* | 0.93 | 1.31E-01 | 2.62E-01 | 0.90 | 1.45E-02 | 4.02E-02 | 1.06 | 2.71E-01 | 5.31E-01 | 1.17 | 6.21E-07 | 5.02E-06 |
| 8160088 | *MUPP1/MPDZ* | 1.67 | 1.50E-04 | 1.13E-03 | 1.79 | 1.11E-05 | 7.64E-05 | 1.29 | 5.07E-02 | 1.98E-01 | 0.72 | 8.12E-04 | 2.83E-03 |
| 8058604 | *MYL1* | 0.96 | 3.00E-01 | 4.69E-01 | 0.95 | 1.82E-01 | 3.04E-01 | 1.00 | 9.59E-01 | 9.83E-01 | 1.06 | 6.15E-02 | 1.15E-01 |
| 8141737 | *MYL10* | 0.90 | 1.04E-02 | 3.73E-02 | 0.89 | 2.48E-03 | 8.96E-03 | 0.95 | 3.42E-01 | 6.00E-01 | 1.07 | 1.55E-02 | 3.61E-02 |
| 8019924 | *MYL12A* | 0.83 | 4.72E-05 | 4.32E-04 | 0.82 | 3.47E-05 | 2.12E-04 | 0.85 | 1.87E-03 | 2.27E-02 | 1.03 | 3.22E-01 | 4.36E-01 |
| 8019930 | *MYL12B* | 0.84 | 3.09E-04 | 2.06E-03 | 0.83 | 1.87E-04 | 9.32E-04 | 0.85 | 5.44E-03 | 4.68E-02 | 1.03 | 5.00E-01 | 6.11E-01 |
| 7966379 | *MYL2* | 1.01 | 8.92E-01 | 9.38E-01 | 1.00 | 8.94E-01 | 9.34E-01 | 1.04 | 3.70E-01 | 6.24E-01 | 1.05 | 1.12E-01 | 1.88E-01 |
| 8086689 | *MYL3* | 0.93 | 9.96E-02 | 2.15E-01 | 0.93 | 7.39E-02 | 1.51E-01 | 0.96 | 3.27E-01 | 5.86E-01 | 1.03 | 3.44E-01 | 4.58E-01 |
| 8007921 | *MYL4* | 1.06 | 1.69E-01 | 3.15E-01 | 1.07 | 1.12E-01 | 2.10E-01 | 1.03 | 5.96E-01 | 7.95E-01 | 0.96 | 2.06E-01 | 3.08E-01 |
| 8093386 | *MYL5* | 0.86 | 4.10E-04 | 2.62E-03 | 0.83 | 1.26E-05 | 8.56E-05 | 0.95 | 3.02E-01 | 5.62E-01 | 1.15 | 6.69E-06 | 4.13E-05 |
| 7956211 | *MYL6* | 0.94 | 6.02E-02 | 1.47E-01 | 0.93 | 2.49E-02 | 6.33E-02 | 0.97 | 4.84E-01 | 7.17E-01 | 1.04 | 1.08E-01 | 1.83E-01 |
| 7956200 | *MYL6B* | 1.02 | 4.93E-01 | 6.54E-01 | 1.02 | 5.64E-01 | 6.88E-01 | 1.04 | 3.79E-01 | 6.31E-01 | 1.02 | 4.93E-01 | 6.05E-01 |
| 8139307 | *MYL7* | 0.93 | 5.68E-02 | 1.41E-01 | 0.93 | 5.78E-02 | 1.25E-01 | 0.93 | 9.37E-02 | 2.87E-01 | 1.00 | 9.95E-01 | 9.96E-01 |
| 8062312 | *MYL9* | 1.26 | 2.29E-02 | 7.00E-02 | 1.22 | 3.02E-02 | 7.41E-02 | 1.42 | 8.38E-03 | 6.26E-02 | 1.17 | 4.35E-02 | 8.61E-02 |
| 8090098 | *MYLK1/MLCK1* | 0.78 | 1.71E-02 | 5.55E-02 | 0.70 | 1.09E-04 | 5.83E-04 | 1.11 | 3.08E-01 | 5.68E-01 | 1.59 | 1.36E-10 | 2.86E-09 |
| 8026638 | *MYO9B* | 1.13 | 3.25E-02 | 9.22E-02 | 1.19 | 7.43E-04 | 3.13E-03 | 0.94 | 2.96E-01 | 5.56E-01 | 0.79 | 2.48E-08 | 2.92E-07 |
| 8105908 | *OCLN* | 0.51 | 2.08E-04 | 1.48E-03 | 0.46 | 6.04E-05 | 3.46E-04 | 0.74 | 1.23E-04 | 3.73E-03 | 1.59 | 4.40E-04 | 1.65E-03 |
| 7933010 | *PARD3* | 0.83 | 1.15E-02 | 4.04E-02 | 0.79 | 8.84E-04 | 3.66E-03 | 1.02 | 5.01E-01 | 7.28E-01 | 1.30 | 5.20E-07 | 4.30E-06 |
| 7908672 | *PKP1* | 0.94 | 1.50E-01 | 2.90E-01 | 0.93 | 1.59E-01 | 2.73E-01 | 0.94 | 2.27E-01 | 4.81E-01 | 1.01 | 7.40E-01 | 8.13E-01 |
| 7962212 | *PKP2* | 0.76 | 6.98E-02 | 1.65E-01 | 0.71 | 3.87E-02 | 9.05E-02 | 0.96 | 4.76E-01 | 7.11E-01 | 1.35 | 8.70E-03 | 2.21E-02 |
| 7937363 | *PKP3* | 0.96 | 5.85E-01 | 7.28E-01 | 0.95 | 5.55E-01 | 6.80E-01 | 0.98 | 7.55E-01 | 8.85E-01 | 1.03 | 5.93E-01 | 6.93E-01 |
| 8045860 | *PKP4* | 1.23 | 5.83E-05 | 5.14E-04 | 1.28 | 4.06E-07 | 3.99E-06 | 1.06 | 2.21E-01 | 4.74E-01 | 0.83 | 8.99E-08 | 9.13E-07 |
| 8153568 | *PLEC* | 1.23 | 2.82E-03 | 1.28E-02 | 1.27 | 4.61E-04 | 2.07E-03 | 1.11 | 1.85E-01 | 4.29E-01 | 0.87 | 7.54E-03 | 1.94E-02 |
| 7946781 | *PLEKHA7* | 0.76 | 9.28E-03 | 3.40E-02 | 0.74 | 6.91E-03 | 2.16E-02 | 0.85 | 2.07E-02 | 1.13E-01 | 1.15 | 7.46E-02 | 1.35E-01 |
| 7999253 | *PPL* | 1.03 | 5.80E-01 | 7.24E-01 | 1.01 | 8.12E-01 | 8.78E-01 | 1.09 | 1.19E-01 | 3.31E-01 | 1.07 | 5.75E-02 | 1.09E-01 |
| 8105067 | *PTGER4* | 0.98 | 8.21E-01 | 8.93E-01 | 0.90 | 1.53E-01 | 2.66E-01 | 1.33 | 4.99E-05 | 1.96E-03 | 1.48 | 2.33E-11 | 5.95E-10 |
| 8022393 | *PTPN2* | 1.12 | 9.87E-02 | 2.13E-01 | 1.18 | 1.68E-02 | 4.56E-02 | 0.94 | 3.07E-01 | 5.66E-01 | 0.80 | 1.67E-05 | 9.19E-05 |
| 8089394 | *RELMB/FIZZ2/RETNLB* | 0.60 | 1.11E-01 | 2.33E-01 | 0.45 | 7.46E-03 | 2.31E-02 | 1.73 | 8.83E-03 | 6.48E-02 | 3.87 | 1.36E-09 | 2.22E-08 |
| 8087409 | *RHOA* | 1.06 | 7.89E-02 | 1.81E-01 | 1.08 | 2.88E-03 | 1.02E-02 | 0.97 | 4.82E-01 | 7.15E-01 | 0.90 | 3.03E-06 | 2.05E-05 |
| 8020382 | *ROCK1* | 1.12 | 1.37E-01 | 2.71E-01 | 1.11 | 1.68E-01 | 2.85E-01 | 1.16 | 9.91E-02 | 2.98E-01 | 1.05 | 3.88E-01 | 5.04E-01 |
| 8022441 | *ROCK1* | 1.08 | 2.24E-01 | 3.83E-01 | 1.13 | 4.66E-02 | 1.05E-01 | 0.92 | 2.42E-01 | 4.99E-01 | 0.81 | 7.81E-06 | 4.74E-05 |
| 8050302 | *ROCK2* | 0.77 | 1.32E-06 | 2.26E-05 | 0.76 | 1.68E-06 | 1.42E-05 | 0.80 | 7.23E-05 | 2.58E-03 | 1.04 | 3.06E-01 | 4.19E-01 |
| 8037695 | *SYMPK* | 1.05 | 2.29E-01 | 3.89E-01 | 1.02 | 5.06E-01 | 6.39E-01 | 1.14 | 6.41E-03 | 5.23E-02 | 1.11 | 2.50E-04 | 9.98E-04 |
| 8023415 | *TCF4* | 2.59 | 6.08E-07 | 1.21E-05 | 2.98 | 1.94E-09 | 3.59E-08 | 1.59 | 2.08E-02 | 1.13E-01 | 0.53 | 9.25E-07 | 7.16E-06 |
| 8070579 | *TFF1* | 2.55 | 2.54E-05 | 2.58E-04 | 3.08 | 2.16E-08 | 3.01E-07 | 1.31 | 2.04E-01 | 4.54E-01 | 0.43 | 2.14E-08 | 2.56E-07 |
| 8070574 | *TFF2* | 1.42 | 1.09E-02 | 3.88E-02 | 1.54 | 1.99E-03 | 7.41E-03 | 1.06 | 5.30E-01 | 7.49E-01 | 0.69 | 2.57E-04 | 1.02E-03 |
| 8070567 | *TFF3* | 1.16 | 3.77E-01 | 5.49E-01 | 1.09 | 6.25E-01 | 7.38E-01 | 1.43 | 1.33E-03 | 1.80E-02 | 1.31 | 3.20E-02 | 6.67E-02 |
| 7986977 | *TJP1/ZO1* | 0.73 | 4.71E-10 | 3.33E-08 | 0.72 | 2.29E-11 | 7.03E-10 | 0.78 | 1.26E-04 | 3.79E-03 | 1.09 | 1.26E-02 | 3.01E-02 |
| 8155707 | *TJP2/ZO2* | 0.90 | 1.08E-01 | 2.28E-01 | 0.88 | 8.21E-02 | 1.64E-01 | 0.95 | 3.50E-01 | 6.07E-01 | 1.08 | 1.18E-01 | 1.97E-01 |
| 8024687 | *TJP3/ZO3* | 0.63 | 1.77E-04 | 1.29E-03 | 0.59 | 7.45E-05 | 4.16E-04 | 0.78 | 4.36E-04 | 8.68E-03 | 1.31 | 2.97E-03 | 8.67E-03 |
| 7962689 | *VDR* | 0.60 | 1.11E-06 | 1.98E-05 | 0.54 | 1.23E-10 | 3.09E-09 | 0.88 | 2.68E-02 | 1.33E-01 | 1.63 | 1.60E-12 | 5.49E-11 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Probeset ID** | **Gene symbol(s)** | **UC (n=97) versus control colons (n=11)** | | | **Active UC (n=74)  versus control colons (n=11)** | | | **Inactive UC (n=23) versus control colons (n=11)** | | | **UC inactive (n=23) versus UC active (n=74)** | | |
|
|
| **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** |
| 8174576 | *AMOT* | 1.08 | 4.79E-01 | 6.43E-01 | 1.05 | 6.52E-01 | 7.59E-01 | 1.16 | 3.73E-02 | 1.63E-01 | 1.10 | 2.38E-01 | 3.44E-01 |
| 7943263 | *AMOTL1* | 1.25 | 2.06E-03 | 9.99E-03 | 1.28 | 6.78E-04 | 2.87E-03 | 1.15 | 5.04E-02 | 1.97E-01 | 0.90 | 5.46E-02 | 1.04E-01 |
| 8090852 | *AMOTL2* | 1.23 | 4.46E-05 | 4.17E-04 | 1.27 | 2.74E-06 | 2.13E-05 | 1.12 | 4.16E-02 | 1.75E-01 | 0.89 | 9.57E-04 | 3.22E-03 |
| 7996837 | *CDH1* | 0.76 | 7.59E-02 | 1.77E-01 | 0.71 | 4.88E-02 | 1.09E-01 | 0.93 | 1.13E-01 | 3.21E-01 | 1.31 | 2.37E-02 | 5.15E-02 |
| 7905406 | *CGN* | 0.57 | 3.41E-05 | 3.36E-04 | 0.53 | 2.21E-05 | 1.37E-04 | 0.69 | 4.23E-05 | 1.75E-03 | 1.28 | 1.45E-02 | 3.38E-02 |
| 7983867 | *CGNL1/JACOP* | 0.99 | 8.40E-01 | 9.07E-01 | 0.93 | 2.10E-01 | 3.38E-01 | 1.18 | 3.66E-02 | 1.61E-01 | 1.26 | 2.31E-07 | 2.01E-06 |
| 8092726 | *CLDN1* | 3.47 | 1.35E-06 | 2.35E-05 | 4.69 | 1.92E-13 | 8.74E-12 | 1.31 | 1.85E-01 | 4.29E-01 | 0.28 | 8.51E-15 | 4.58E-13 |
| 7969640 | *CLDN10* | 1.17 | 1.22E-02 | 4.28E-02 | 1.21 | 4.44E-03 | 1.47E-02 | 1.05 | 2.45E-01 | 5.02E-01 | 0.86 | 1.91E-03 | 5.88E-03 |
| 8083887 | *CLDN11* | 1.06 | 1.75E-01 | 3.25E-01 | 1.08 | 1.05E-01 | 1.99E-01 | 1.01 | 8.56E-01 | 9.36E-01 | 0.93 | 3.73E-02 | 7.55E-02 |
| 8134091 | *CLDN12* | 1.66 | 3.22E-05 | 3.21E-04 | 1.77 | 6.70E-06 | 4.73E-05 | 1.35 | 1.72E-03 | 2.15E-02 | 0.77 | 2.78E-03 | 8.14E-03 |
| 8070233 | *CLDN14* | 1.05 | 2.61E-01 | 4.29E-01 | 1.05 | 2.69E-01 | 4.06E-01 | 1.05 | 3.28E-01 | 5.88E-01 | 1.00 | 9.58E-01 | 9.73E-01 |
| 8141708 | *CLDN15* | 0.77 | 1.42E-04 | 1.10E-03 | 0.72 | 1.87E-07 | 1.92E-06 | 0.95 | 3.84E-01 | 6.37E-01 | 1.31 | 9.63E-09 | 1.18E-07 |
| 8084788 | *CLDN16* | 1.03 | 5.59E-01 | 7.10E-01 | 1.06 | 2.88E-01 | 4.27E-01 | 0.95 | 2.91E-01 | 5.51E-01 | 0.89 | 6.00E-03 | 1.59E-02 |
| 8069790 | *CLDN17* | 0.98 | 5.14E-01 | 6.74E-01 | 0.96 | 2.79E-01 | 4.17E-01 | 1.02 | 6.47E-01 | 8.26E-01 | 1.06 | 3.47E-02 | 7.11E-02 |
| 8082928 | *CLDN18* | 1.37 | 2.43E-02 | 7.35E-02 | 1.48 | 4.72E-03 | 1.55E-02 | 1.06 | 6.04E-01 | 8.00E-01 | 0.72 | 1.67E-03 | 5.25E-03 |
| 7915435 | *CLDN19* | 0.94 | 1.89E-01 | 3.42E-01 | 0.92 | 1.16E-01 | 2.14E-01 | 0.99 | 8.08E-01 | 9.12E-01 | 1.07 | 6.04E-02 | 1.13E-01 |
| 8169210 | *CLDN2* | 1.50 | 1.77E-05 | 1.95E-04 | 1.66 | 7.96E-10 | 1.51E-08 | 1.07 | 3.10E-01 | 5.70E-01 | 0.64 | 9.43E-13 | 3.07E-11 |
| 8122966 | *CLDN20* | 1.04 | 3.27E-01 | 5.00E-01 | 1.05 | 2.62E-01 | 3.98E-01 | 1.03 | 6.16E-01 | 8.07E-01 | 0.98 | 5.24E-01 | 6.31E-01 |
| 8103877 | *CLDN22* | 1.01 | 8.48E-01 | 9.12E-01 | 1.00 | 9.50E-01 | 9.70E-01 | 1.04 | 3.78E-01 | 6.30E-01 | 1.04 | 1.49E-01 | 2.37E-01 |
| 8144505 | *CLDN23* | 0.64 | 1.08E-06 | 1.96E-05 | 0.59 | 2.32E-09 | 3.86E-08 | 0.81 | 1.56E-02 | 9.40E-02 | 1.37 | 4.26E-07 | 3.47E-06 |
| 8103879 | *CLDN24* | 0.91 | 1.85E-02 | 5.95E-02 | 0.89 | 3.26E-03 | 1.12E-02 | 0.98 | 6.58E-01 | 8.32E-01 | 1.10 | 6.74E-04 | 2.37E-03 |
| 8140140 | *CLDN3* | 0.85 | 2.51E-01 | 4.18E-01 | 0.78 | 8.58E-02 | 1.69E-01 | 1.15 | 4.51E-03 | 4.14E-02 | 1.48 | 1.81E-04 | 7.35E-04 |
| 8133360 | *CLDN4* | 0.79 | 7.81E-02 | 1.81E-01 | 0.73 | 2.38E-02 | 6.06E-02 | 1.03 | 5.88E-01 | 7.89E-01 | 1.42 | 4.62E-04 | 1.69E-03 |
| 8074473 | *CLDN5* | 1.14 | 3.81E-03 | 1.66E-02 | 1.14 | 4.55E-03 | 1.50E-02 | 1.13 | 1.10E-02 | 7.49E-02 | 0.99 | 7.10E-01 | 7.89E-01 |
| 7998898 | *CLDN6* | 0.99 | 8.28E-01 | 8.99E-01 | 0.97 | 6.45E-01 | 7.54E-01 | 1.04 | 4.92E-01 | 7.22E-01 | 1.07 | 1.18E-01 | 1.97E-01 |
| 8012126 | *CLDN7* | 0.74 | 6.43E-02 | 1.56E-01 | 0.69 | 4.87E-02 | 1.08E-01 | 0.89 | 3.45E-03 | 3.47E-02 | 1.28 | 5.14E-02 | 9.89E-02 |
| 8069795 | *CLDN8* | 0.14 | 4.22E-05 | 3.99E-04 | 0.07 | 2.50E-17 | 2.95E-15 | 1.25 | 6.31E-01 | 8.17E-01 | 17.90 | 1.56E-26 | 3.05E-23 |
| 7992782 | *CLDN9* | 0.94 | 1.69E-01 | 3.16E-01 | 0.92 | 8.80E-02 | 1.73E-01 | 1.00 | 9.52E-01 | 9.81E-01 | 1.09 | 2.22E-02 | 4.85E-02 |
| 8108378 | *CTNNA1* | 1.00 | 9.53E-01 | 9.74E-01 | 1.03 | 6.96E-01 | 7.93E-01 | 0.91 | 1.04E-01 | 3.07E-01 | 0.88 | 1.23E-02 | 2.94E-02 |
| 8079021 | *CTNNB1* | 1.06 | 2.25E-01 | 3.87E-01 | 1.09 | 4.31E-02 | 9.85E-02 | 0.97 | 5.61E-01 | 7.72E-01 | 0.89 | 8.64E-04 | 2.94E-03 |
| 7940079 | *CTNND1* | 0.79 | 4.67E-04 | 2.93E-03 | 0.75 | 6.23E-05 | 3.46E-04 | 0.92 | 1.07E-02 | 7.36E-02 | 1.22 | 5.53E-05 | 2.59E-04 |
| 8067955 | *CXADR* | 0.67 | 2.01E-02 | 6.36E-02 | 0.62 | 1.10E-02 | 3.17E-02 | 0.87 | 4.36E-02 | 1.80E-01 | 1.40 | 1.07E-02 | 2.60E-02 |
| 8022728 | *DSC1* | 0.94 | 1.09E-01 | 2.31E-01 | 0.95 | 2.12E-01 | 3.40E-01 | 0.90 | 1.20E-02 | 7.94E-02 | 0.95 | 8.69E-02 | 1.53E-01 |
| 8022711 | *DSC2* | 0.75 | 4.41E-02 | 1.17E-01 | 0.73 | 5.08E-02 | 1.12E-01 | 0.82 | 5.60E-04 | 1.03E-02 | 1.12 | 3.21E-01 | 4.34E-01 |
| 8022692 | *DSC3* | 0.94 | 2.82E-01 | 4.53E-01 | 0.94 | 2.27E-01 | 3.58E-01 | 0.96 | 5.22E-01 | 7.43E-01 | 1.02 | 6.06E-01 | 7.04E-01 |
| 8020724 | *DSG1* | 0.96 | 2.27E-01 | 3.90E-01 | 0.95 | 2.11E-01 | 3.39E-01 | 0.97 | 4.42E-01 | 6.85E-01 | 1.01 | 5.94E-01 | 6.93E-01 |
| 8020779 | *DSG2* | 0.68 | 4.62E-02 | 1.22E-01 | 0.66 | 5.60E-02 | 1.21E-01 | 0.76 | 3.69E-08 | 2.48E-05 | 1.15 | 3.43E-01 | 4.58E-01 |
| 8020762 | *DSG3* | 3.34 | 4.64E-04 | 2.92E-03 | 4.74 | 1.23E-06 | 1.04E-05 | 1.09 | 6.63E-01 | 8.35E-01 | 0.23 | 1.02E-09 | 1.60E-08 |
| 8020740 | *DSG4* | 0.99 | 8.71E-01 | 9.26E-01 | 1.02 | 6.94E-01 | 7.91E-01 | 0.93 | 7.53E-02 | 2.52E-01 | 0.91 | 2.41E-03 | 7.19E-03 |
| 8116780 | *DSP* | 0.69 | 1.82E-02 | 5.87E-02 | 0.62 | 3.71E-03 | 1.25E-02 | 0.98 | 7.54E-01 | 8.85E-01 | 1.58 | 8.48E-05 | 3.78E-04 |
| 8127234 | *DST* | 0.79 | 5.04E-03 | 2.09E-02 | 0.80 | 1.02E-02 | 2.97E-02 | 0.76 | 1.47E-03 | 1.94E-02 | 0.96 | 5.10E-01 | 6.18E-01 |
| 7905220 | *ECM1* | 1.35 | 9.71E-04 | 5.37E-03 | 1.49 | 3.51E-06 | 2.66E-05 | 1.00 | 9.97E-01 | 9.99E-01 | 0.67 | 5.88E-10 | 9.74E-09 |
| 8112731 | *F2RL2* | 2.58 | 1.88E-06 | 3.06E-05 | 3.18 | 3.84E-11 | 9.99E-10 | 1.31 | 7.43E-02 | 2.49E-01 | 0.41 | 2.49E-11 | 5.77E-10 |
| 8137865 | *GNA12* | 1.13 | 1.17E-02 | 4.11E-02 | 1.17 | 8.94E-04 | 3.65E-03 | 0.99 | 8.61E-01 | 9.38E-01 | 0.85 | 1.54E-06 | 1.10E-05 |
| 8062823 | *HNF4A* | 0.57 | 2.04E-04 | 1.48E-03 | 0.49 | 1.18E-06 | 1.00E-05 | 0.93 | 1.43E-01 | 3.69E-01 | 1.88 | 1.83E-09 | 2.69E-08 |
| 8095680 | *IL8* | 5.12 | 3.32E-05 | 3.30E-04 | 8.42 | 3.10E-10 | 6.54E-09 | 1.04 | 8.29E-01 | 9.23E-01 | 0.12 | 3.26E-17 | 3.52E-15 |
| 8046380 | *ITGA6* | 1.44 | 1.30E-04 | 1.02E-03 | 1.54 | 2.02E-06 | 1.63E-05 | 1.14 | 1.11E-01 | 3.17E-01 | 0.74 | 8.67E-06 | 5.05E-05 |
| 8009951 | *ITGB4* | 1.40 | 1.54E-03 | 7.79E-03 | 1.45 | 8.71E-04 | 3.57E-03 | 1.22 | 9.41E-03 | 6.75E-02 | 0.84 | 3.09E-02 | 6.46E-02 |
| 8068644 | *JAM4/IGSF5* | 0.96 | 4.97E-01 | 6.60E-01 | 0.90 | 3.48E-02 | 8.27E-02 | 1.18 | 2.05E-02 | 1.12E-01 | 1.31 | 1.54E-11 | 3.75E-10 |
| 7921713 | *JAMA/JAM1/F11R* | 0.81 | 9.70E-03 | 3.55E-02 | 0.78 | 3.54E-03 | 1.20E-02 | 0.93 | 1.58E-01 | 3.92E-01 | 1.19 | 3.37E-03 | 9.62E-03 |
| 8068024 | *JAMB/JAM2* | 2.02 | 7.71E-07 | 1.49E-05 | 2.10 | 6.12E-07 | 5.56E-06 | 1.78 | 9.34E-05 | 3.11E-03 | 0.85 | 9.87E-02 | 1.70E-01 |
| 7945262 | *JAMC/JAM3* | 1.63 | 4.60E-05 | 4.28E-04 | 1.74 | 6.10E-06 | 4.35E-05 | 1.34 | 7.67E-03 | 5.91E-02 | 0.77 | 2.90E-03 | 8.44E-03 |
| 8015412 | *JUP* | 0.84 | 6.47E-02 | 1.57E-01 | 0.80 | 3.46E-02 | 8.25E-02 | 0.95 | 4.55E-01 | 6.96E-01 | 1.19 | 1.93E-02 | 4.32E-02 |
| 8022176 | *LAMA1* | 1.08 | 1.43E-01 | 2.82E-01 | 1.12 | 4.59E-02 | 1.03E-01 | 0.97 | 3.72E-01 | 6.26E-01 | 0.87 | 3.66E-04 | 1.38E-03 |
| 8020551 | *LAMA3* | 0.89 | 2.26E-01 | 3.88E-01 | 0.96 | 5.96E-01 | 7.15E-01 | 0.72 | 8.02E-04 | 1.29E-02 | 0.75 | 4.47E-05 | 2.14E-04 |
| 8128991 | *LAMA4* | 2.11 | 8.52E-06 | 1.06E-04 | 2.37 | 7.07E-08 | 8.08E-07 | 1.47 | 2.55E-02 | 1.29E-01 | 0.62 | 5.94E-05 | 2.76E-04 |
| 8067409 | *LAMA5* | 1.43 | 2.34E-05 | 2.46E-04 | 1.52 | 9.21E-07 | 8.01E-06 | 1.17 | 7.40E-03 | 5.77E-02 | 0.77 | 1.64E-05 | 8.82E-05 |
| 8142194 | *LAMB1* | 1.47 | 5.46E-05 | 4.92E-04 | 1.58 | 1.03E-06 | 8.86E-06 | 1.17 | 4.80E-02 | 1.91E-01 | 0.74 | 9.61E-06 | 5.52E-05 |
| 8087337 | *LAMB2* | 1.62 | 1.63E-06 | 2.74E-05 | 1.76 | 1.41E-08 | 1.93E-07 | 1.26 | 3.48E-03 | 3.49E-02 | 0.72 | 3.79E-06 | 2.43E-05 |
| 7908041 | *LAMC1* | 2.51 | 1.12E-07 | 3.12E-06 | 2.94 | 4.35E-11 | 1.12E-09 | 1.51 | 4.56E-03 | 4.17E-02 | 0.51 | 9.77E-09 | 1.19E-07 |
| 7908072 | *LAMC2* | 1.52 | 3.15E-02 | 9.02E-02 | 1.82 | 1.05E-03 | 4.19E-03 | 0.85 | 2.41E-01 | 4.98E-01 | 0.47 | 5.47E-08 | 5.60E-07 |
| 8088602 | *MAGI1* | 0.54 | 3.33E-11 | 3.73E-09 | 0.48 | 2.36E-20 | 5.78E-18 | 0.78 | 1.80E-05 | 9.60E-04 | 1.62 | 8.41E-19 | 1.40E-16 |
| 8140504 | *MAGI2* | 0.96 | 3.93E-01 | 5.65E-01 | 0.93 | 1.00E-01 | 1.92E-01 | 1.06 | 2.44E-01 | 5.01E-01 | 1.14 | 1.05E-04 | 4.56E-04 |
| 7904106 | *MAGI3* | 0.64 | 3.90E-05 | 3.75E-04 | 0.59 | 3.06E-06 | 2.36E-05 | 0.82 | 2.06E-03 | 2.43E-02 | 1.39 | 2.73E-05 | 1.38E-04 |
| 8105899 | *MARVELD2* | 0.56 | 7.38E-04 | 4.28E-03 | 0.51 | 2.77E-04 | 1.29E-03 | 0.77 | 2.31E-04 | 5.64E-03 | 1.50 | 1.47E-03 | 4.70E-03 |
| 8177498 | *MARVELD2* | 0.56 | 7.38E-04 | 4.28E-03 | 0.51 | 2.77E-04 | 1.29E-03 | 0.77 | 2.31E-04 | 5.64E-03 | 1.50 | 1.47E-03 | 4.70E-03 |
| 7997158 | *MARVELD3* | 0.54 | 5.38E-08 | 1.71E-06 | 0.51 | 1.38E-08 | 1.89E-07 | 0.68 | 6.99E-07 | 1.19E-04 | 1.33 | 2.97E-04 | 1.14E-03 |
| 8120088 | *MEP1A* | 0.27 | 2.86E-06 | 4.28E-05 | 0.21 | 5.17E-08 | 6.11E-07 | 0.58 | 1.35E-06 | 1.89E-04 | 2.79 | 2.37E-07 | 2.05E-06 |
| 8123407 | *MLLT4/AF6* | 0.82 | 4.89E-03 | 2.04E-02 | 0.77 | 3.30E-04 | 1.51E-03 | 0.99 | 7.98E-01 | 9.07E-01 | 1.29 | 1.17E-06 | 8.58E-06 |
| 7975203 | *MPP5/PALS1* | 0.52 | 1.70E-12 | 2.94E-10 | 0.50 | 4.47E-12 | 1.45E-10 | 0.59 | 3.04E-09 | 5.31E-06 | 1.17 | 1.26E-02 | 3.00E-02 |
| 7920642 | *MUC1* | 2.12 | 2.90E-06 | 4.34E-05 | 2.30 | 1.10E-06 | 9.39E-06 | 1.65 | 1.47E-04 | 4.17E-03 | 0.72 | 3.75E-03 | 1.06E-02 |
| 8135031 | *MUC11/MUC12* | 1.03 | 8.21E-01 | 8.95E-01 | 0.98 | 8.98E-01 | 9.36E-01 | 1.21 | 4.80E-03 | 4.29E-02 | 1.24 | 4.21E-02 | 8.37E-02 |
| 8135033 | *MUC11/MUC12* | 1.02 | 8.90E-01 | 9.37E-01 | 0.98 | 8.65E-01 | 9.14E-01 | 1.17 | 6.62E-03 | 5.35E-02 | 1.20 | 7.18E-02 | 1.30E-01 |
| 8135037 | *MUC11/MUC12* | 1.40 | 1.48E-01 | 2.89E-01 | 1.27 | 3.45E-01 | 4.86E-01 | 1.94 | 1.72E-03 | 2.14E-02 | 1.53 | 1.20E-02 | 2.87E-02 |
| 8090180 | *MUC13* | 1.00 | 9.96E-01 | 9.98E-01 | 1.01 | 9.61E-01 | 9.77E-01 | 0.97 | 6.24E-01 | 8.12E-01 | 0.96 | 7.91E-01 | 8.52E-01 |
| 8101957 | *MUC14/EMCN* | 1.86 | 7.93E-04 | 4.54E-03 | 2.08 | 9.05E-05 | 4.83E-04 | 1.29 | 8.47E-02 | 2.70E-01 | 0.62 | 4.86E-04 | 1.77E-03 |
| 7939024 | *MUC15* | 0.99 | 7.93E-01 | 8.77E-01 | 0.98 | 7.02E-01 | 7.97E-01 | 1.01 | 8.36E-01 | 9.26E-01 | 1.03 | 4.43E-01 | 5.57E-01 |
| 7947156 | *MUC15* | 0.96 | 3.48E-01 | 5.22E-01 | 0.94 | 1.47E-01 | 2.58E-01 | 1.02 | 7.01E-01 | 8.58E-01 | 1.08 | 1.49E-02 | 3.46E-02 |
| 8033674 | *MUC16* | 1.10 | 5.77E-02 | 1.44E-01 | 1.14 | 1.64E-02 | 4.43E-02 | 1.00 | 9.35E-01 | 9.74E-01 | 0.88 | 6.13E-04 | 2.18E-03 |
| 8135048 | *MUC17* | 1.61 | 7.78E-02 | 1.80E-01 | 1.58 | 1.03E-01 | 1.96E-01 | 1.72 | 4.30E-02 | 1.78E-01 | 1.09 | 6.82E-01 | 7.67E-01 |
| 7952205 | *MUC18/MCAM* | 2.50 | 8.21E-07 | 1.58E-05 | 2.94 | 1.65E-09 | 2.87E-08 | 1.48 | 3.62E-03 | 3.59E-02 | 0.50 | 9.09E-08 | 8.80E-07 |
| 7954864 | *MUC19* | 0.98 | 5.28E-01 | 6.85E-01 | 0.98 | 5.46E-01 | 6.74E-01 | 0.98 | 5.39E-01 | 7.55E-01 | 1.00 | 9.19E-01 | 9.46E-01 |
| 7937560 | *MUC2* | 1.19 | 4.04E-01 | 5.76E-01 | 1.14 | 5.70E-01 | 6.94E-01 | 1.37 | 6.17E-03 | 5.10E-02 | 1.20 | 2.71E-01 | 3.81E-01 |
| 8084895 | *MUC20* | 0.81 | 2.30E-01 | 3.93E-01 | 0.73 | 8.03E-02 | 1.61E-01 | 1.14 | 2.65E-01 | 5.24E-01 | 1.58 | 6.05E-04 | 2.16E-03 |
| 8118069 | *MUC21* | 1.05 | 3.20E-01 | 4.92E-01 | 1.06 | 2.63E-01 | 3.99E-01 | 1.02 | 6.53E-01 | 8.30E-01 | 0.96 | 3.31E-01 | 4.45E-01 |
| 8177931 | *MUC21* | 1.07 | 1.73E-01 | 3.21E-01 | 1.08 | 1.26E-01 | 2.28E-01 | 1.03 | 5.22E-01 | 7.43E-01 | 0.95 | 1.99E-01 | 2.98E-01 |
| 8179224 | *MUC21* | 1.06 | 2.91E-01 | 4.62E-01 | 1.08 | 1.98E-01 | 3.24E-01 | 1.01 | 9.14E-01 | 9.63E-01 | 0.93 | 9.90E-02 | 1.70E-01 |
| 8135015 | *MUC3A/MUC3B* | 1.19 | 2.86E-01 | 4.56E-01 | 1.14 | 4.55E-01 | 5.93E-01 | 1.35 | 3.52E-03 | 3.52E-02 | 1.18 | 1.77E-01 | 2.72E-01 |
| 8092978 | *MUC4* | 1.64 | 9.36E-03 | 3.45E-02 | 1.69 | 9.80E-03 | 2.88E-02 | 1.46 | 1.08E-02 | 7.41E-02 | 0.87 | 3.17E-01 | 4.31E-01 |
| 7937612 | *MUC5B* | 2.44 | 7.94E-06 | 1.00E-04 | 2.66 | 1.73E-06 | 1.41E-05 | 1.84 | 2.28E-03 | 2.62E-02 | 0.69 | 9.61E-03 | 2.38E-02 |
| 7945595 | *MUC6* | 1.07 | 5.14E-01 | 6.74E-01 | 1.07 | 5.39E-01 | 6.68E-01 | 1.06 | 4.11E-01 | 6.60E-01 | 0.99 | 9.27E-01 | 9.51E-01 |
| 8095504 | *MUC7* | 0.94 | 2.59E-01 | 4.26E-01 | 0.92 | 1.00E-01 | 1.91E-01 | 1.02 | 6.99E-01 | 8.57E-01 | 1.11 | 6.56E-03 | 1.71E-02 |
| 7918504 | *MUC9/OVGP1* | 0.94 | 1.45E-01 | 2.84E-01 | 0.90 | 1.39E-02 | 3.87E-02 | 1.06 | 2.71E-01 | 5.31E-01 | 1.17 | 7.19E-07 | 5.53E-06 |
| 8160088 | *MUPP1/MPDZ* | 1.66 | 1.88E-04 | 1.38E-03 | 1.79 | 1.21E-05 | 7.99E-05 | 1.29 | 5.07E-02 | 1.98E-01 | 0.72 | 9.35E-04 | 3.16E-03 |
| 8058604 | *MYL1* | 0.96 | 3.32E-01 | 5.06E-01 | 0.95 | 2.04E-01 | 3.31E-01 | 1.00 | 9.59E-01 | 9.83E-01 | 1.05 | 7.58E-02 | 1.36E-01 |
| 8141737 | *MYL10* | 0.90 | 1.32E-02 | 4.55E-02 | 0.89 | 3.21E-03 | 1.11E-02 | 0.95 | 3.42E-01 | 6.00E-01 | 1.07 | 1.87E-02 | 4.20E-02 |
| 8019924 | *MYL12A* | 0.83 | 5.02E-05 | 4.60E-04 | 0.82 | 3.57E-05 | 2.11E-04 | 0.85 | 1.87E-03 | 2.27E-02 | 1.04 | 2.89E-01 | 4.01E-01 |
| 8019930 | *MYL12B* | 0.83 | 3.66E-04 | 2.40E-03 | 0.83 | 2.24E-04 | 1.07E-03 | 0.85 | 5.44E-03 | 4.68E-02 | 1.03 | 4.43E-01 | 5.57E-01 |
| 7966379 | *MYL2* | 1.01 | 8.66E-01 | 9.23E-01 | 1.00 | 9.02E-01 | 9.39E-01 | 1.04 | 3.70E-01 | 6.24E-01 | 1.05 | 1.14E-01 | 1.92E-01 |
| 8086689 | *MYL3* | 0.93 | 1.06E-01 | 2.27E-01 | 0.93 | 7.83E-02 | 1.58E-01 | 0.96 | 3.27E-01 | 5.86E-01 | 1.03 | 3.63E-01 | 4.78E-01 |
| 8007921 | *MYL4* | 1.07 | 1.59E-01 | 3.03E-01 | 1.08 | 9.86E-02 | 1.89E-01 | 1.03 | 5.96E-01 | 7.95E-01 | 0.95 | 1.72E-01 | 2.66E-01 |
| 8093386 | *MYL5* | 0.86 | 4.85E-04 | 3.03E-03 | 0.83 | 1.14E-05 | 7.63E-05 | 0.95 | 3.02E-01 | 5.62E-01 | 1.15 | 5.65E-06 | 3.46E-05 |
| 7956211 | *MYL6* | 0.94 | 6.70E-02 | 1.61E-01 | 0.93 | 2.70E-02 | 6.72E-02 | 0.97 | 4.84E-01 | 7.17E-01 | 1.04 | 1.19E-01 | 1.97E-01 |
| 7956200 | *MYL6B* | 1.02 | 5.10E-01 | 6.70E-01 | 1.02 | 5.94E-01 | 7.13E-01 | 1.04 | 3.79E-01 | 6.31E-01 | 1.02 | 4.81E-01 | 5.92E-01 |
| 8139307 | *MYL7* | 0.93 | 6.16E-02 | 1.51E-01 | 0.93 | 6.42E-02 | 1.35E-01 | 0.93 | 9.37E-02 | 2.87E-01 | 1.00 | 9.85E-01 | 9.91E-01 |
| 8062312 | *MYL9* | 1.27 | 2.01E-02 | 6.37E-02 | 1.22 | 2.61E-02 | 6.54E-02 | 1.42 | 8.38E-03 | 6.26E-02 | 1.16 | 5.20E-02 | 9.97E-02 |
| 8090098 | *MYLK1/MLCK1* | 0.77 | 1.63E-02 | 5.39E-02 | 0.69 | 4.51E-05 | 2.59E-04 | 1.11 | 3.08E-01 | 5.68E-01 | 1.62 | 4.26E-11 | 9.30E-10 |
| 8026638 | *MYO9B* | 1.13 | 3.99E-02 | 1.09E-01 | 1.20 | 8.65E-04 | 3.55E-03 | 0.94 | 2.96E-01 | 5.56E-01 | 0.79 | 4.95E-08 | 5.13E-07 |
| 8105908 | *OCLN* | 0.51 | 3.11E-04 | 2.10E-03 | 0.45 | 8.71E-05 | 4.67E-04 | 0.74 | 1.23E-04 | 3.73E-03 | 1.62 | 4.83E-04 | 1.76E-03 |
| 7933010 | *PARD3* | 0.83 | 1.38E-02 | 4.70E-02 | 0.78 | 9.46E-04 | 3.84E-03 | 1.02 | 5.01E-01 | 7.28E-01 | 1.31 | 6.74E-07 | 5.23E-06 |
| 7908672 | *PKP1* | 0.94 | 1.89E-01 | 3.43E-01 | 0.94 | 2.09E-01 | 3.37E-01 | 0.94 | 2.27E-01 | 4.81E-01 | 1.01 | 8.84E-01 | 9.21E-01 |
| 7962212 | *PKP2* | 0.76 | 7.04E-02 | 1.67E-01 | 0.70 | 3.65E-02 | 8.61E-02 | 0.96 | 4.76E-01 | 7.11E-01 | 1.37 | 7.61E-03 | 1.95E-02 |
| 7937363 | *PKP3* | 0.96 | 5.90E-01 | 7.34E-01 | 0.95 | 5.58E-01 | 6.84E-01 | 0.98 | 7.55E-01 | 8.85E-01 | 1.04 | 5.92E-01 | 6.92E-01 |
| 8045860 | *PKP4* | 1.23 | 8.89E-05 | 7.40E-04 | 1.28 | 5.52E-07 | 5.06E-06 | 1.06 | 2.21E-01 | 4.74E-01 | 0.83 | 1.28E-07 | 1.19E-06 |
| 8153568 | *PLEC* | 1.23 | 2.94E-03 | 1.34E-02 | 1.27 | 4.07E-04 | 1.82E-03 | 1.11 | 1.85E-01 | 4.29E-01 | 0.87 | 6.14E-03 | 1.62E-02 |
| 7946781 | *PLEKHA7* | 0.75 | 6.88E-03 | 2.69E-02 | 0.72 | 4.39E-03 | 1.45E-02 | 0.85 | 2.07E-02 | 1.13E-01 | 1.18 | 4.31E-02 | 8.53E-02 |
| 7999253 | *PPL* | 1.03 | 5.29E-01 | 6.86E-01 | 1.02 | 7.60E-01 | 8.40E-01 | 1.09 | 1.19E-01 | 3.31E-01 | 1.07 | 7.72E-02 | 1.38E-01 |
| 8105067 | *PTGER4* | 0.98 | 8.25E-01 | 8.97E-01 | 0.89 | 1.29E-01 | 2.33E-01 | 1.33 | 4.99E-05 | 1.96E-03 | 1.49 | 3.43E-11 | 7.64E-10 |
| 8022393 | *PTPN2* | 1.12 | 1.00E-01 | 2.18E-01 | 1.19 | 1.42E-02 | 3.93E-02 | 0.94 | 3.07E-01 | 5.66E-01 | 0.80 | 1.39E-05 | 7.62E-05 |
| 8089394 | *RELMB/FIZZ2/RETNLB* | 0.57 | 8.14E-02 | 1.87E-01 | 0.40 | 2.23E-03 | 8.10E-03 | 1.73 | 8.83E-03 | 6.48E-02 | 4.30 | 7.75E-11 | 1.60E-09 |
| 8087409 | *RHOA* | 1.06 | 7.88E-02 | 1.82E-01 | 1.09 | 2.03E-03 | 7.46E-03 | 0.97 | 4.82E-01 | 7.15E-01 | 0.89 | 2.53E-06 | 1.70E-05 |
| 8020382 | *ROCK1* | 1.12 | 1.50E-01 | 2.91E-01 | 1.10 | 1.92E-01 | 3.17E-01 | 1.16 | 9.91E-02 | 2.98E-01 | 1.05 | 3.70E-01 | 4.84E-01 |
| 8022441 | *ROCK1* | 1.08 | 2.13E-01 | 3.72E-01 | 1.14 | 3.18E-02 | 7.68E-02 | 0.92 | 2.42E-01 | 4.99E-01 | 0.81 | 2.74E-06 | 1.83E-05 |
| 8050302 | *ROCK2* | 0.77 | 2.11E-06 | 3.35E-05 | 0.76 | 2.86E-06 | 2.21E-05 | 0.80 | 7.23E-05 | 2.58E-03 | 1.04 | 2.80E-01 | 3.91E-01 |
| 8037695 | *SYMPK* | 1.04 | 2.80E-01 | 4.50E-01 | 1.02 | 6.55E-01 | 7.62E-01 | 1.14 | 6.41E-03 | 5.23E-02 | 1.12 | 1.34E-04 | 5.66E-04 |
| 8023415 | *TCF4* | 2.61 | 6.48E-07 | 1.29E-05 | 3.05 | 9.66E-10 | 1.79E-08 | 1.59 | 2.08E-02 | 1.13E-01 | 0.52 | 3.98E-07 | 3.27E-06 |
| 8070579 | *TFF1* | 2.61 | 2.50E-05 | 2.60E-04 | 3.23 | 7.10E-09 | 1.04E-07 | 1.31 | 2.04E-01 | 4.54E-01 | 0.41 | 6.07E-09 | 7.84E-08 |
| 8070574 | *TFF2* | 1.45 | 7.86E-03 | 3.00E-02 | 1.60 | 8.91E-04 | 3.64E-03 | 1.06 | 5.30E-01 | 7.49E-01 | 0.66 | 7.96E-05 | 3.58E-04 |
| 8070567 | *TFF3* | 1.14 | 4.59E-01 | 6.27E-01 | 1.06 | 7.67E-01 | 8.45E-01 | 1.43 | 1.33E-03 | 1.80E-02 | 1.36 | 2.08E-02 | 4.61E-02 |
| 7986977 | *TJP1/ZO1* | 0.74 | 1.46E-09 | 8.71E-08 | 0.72 | 9.77E-11 | 2.31E-09 | 0.78 | 1.26E-04 | 3.79E-03 | 1.08 | 1.92E-02 | 4.31E-02 |
| 8155707 | *TJP2/ZO2* | 0.90 | 1.29E-01 | 2.61E-01 | 0.88 | 1.00E-01 | 1.91E-01 | 0.95 | 3.50E-01 | 6.07E-01 | 1.08 | 1.46E-01 | 2.33E-01 |
| 8024687 | *TJP3/ZO3* | 0.62 | 1.63E-04 | 1.22E-03 | 0.58 | 5.63E-05 | 3.16E-04 | 0.78 | 4.36E-04 | 8.68E-03 | 1.34 | 1.78E-03 | 5.55E-03 |
| 7962689 | *VDR* | 0.60 | 1.27E-06 | 2.23E-05 | 0.53 | 4.04E-11 | 1.04E-09 | 0.88 | 2.68E-02 | 1.33E-01 | 1.65 | 4.06E-13 | 1.45E-11 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Probeset ID** | **Gene symbol(s)** | **Active CDc (n=8) versus control colons (n=11)** | | | **UC active (n=74) versus CDc active (n=8)** | | | **CDi (n=67) versus  control ileums (n=11)** | | | **CDi active (n=51) versus  control ileums (n=11)** | | |
|
|
| **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** |
| 8174576 | *AMOT* | 1.15 | 7.69E-02 | 2.15E-01 | 0.92 | 5.09E-01 | 9.41E-01 | 0.91 | 1.38E-01 | 3.21E-01 | 0.87 | 4.09E-02 | 1.36E-01 |
| 7943263 | *AMOTL1* | 1.19 | 2.18E-02 | 9.04E-02 | 1.07 | 3.92E-01 | 9.03E-01 | 1.14 | 1.75E-02 | 8.10E-02 | 1.16 | 1.36E-02 | 6.20E-02 |
| 8090852 | *AMOTL2* | 1.17 | 2.68E-02 | 1.05E-01 | 1.08 | 1.58E-01 | 7.60E-01 | 0.93 | 8.46E-02 | 2.36E-01 | 0.94 | 1.38E-01 | 3.10E-01 |
| 7996837 | *CDH1* | 0.85 | 1.52E-02 | 7.04E-02 | 0.83 | 3.72E-01 | 8.96E-01 | 0.93 | 5.76E-01 | 7.56E-01 | 0.89 | 4.32E-01 | 6.33E-01 |
| 7905406 | *CGN* | 0.67 | 1.30E-03 | 1.19E-02 | 0.80 | 1.80E-01 | 7.85E-01 | 0.81 | 7.84E-02 | 2.24E-01 | 0.77 | 4.37E-02 | 1.43E-01 |
| 7983867 | *CGNL1/JACOP* | 0.92 | 3.09E-01 | 5.21E-01 | 1.02 | 7.38E-01 | 9.72E-01 | 0.88 | 5.55E-04 | 6.81E-03 | 0.87 | 7.22E-04 | 7.00E-03 |
| 8092726 | *CLDN1* | 2.82 | 6.62E-05 | 1.52E-03 | 1.67 | 1.89E-02 | 4.27E-01 | 2.58 | 3.40E-05 | 8.45E-04 | 2.95 | 2.52E-06 | 8.78E-05 |
| 7969640 | *CLDN10* | 1.07 | 3.14E-01 | 5.26E-01 | 1.13 | 1.09E-01 | 6.91E-01 | 0.98 | 6.07E-01 | 7.77E-01 | 0.98 | 6.00E-01 | 7.64E-01 |
| 8083887 | *CLDN11* | 1.15 | 3.51E-02 | 1.26E-01 | 0.94 | 2.16E-01 | 8.16E-01 | 0.94 | 1.98E-01 | 4.00E-01 | 0.94 | 1.87E-01 | 3.78E-01 |
| 8134091 | *CLDN12* | 1.44 | 4.70E-05 | 1.22E-03 | 1.23 | 1.38E-01 | 7.33E-01 | 1.27 | 1.85E-02 | 8.45E-02 | 1.29 | 1.78E-02 | 7.53E-02 |
| 8070233 | *CLDN14* | 0.98 | 8.11E-01 | 8.98E-01 | 1.07 | 2.15E-01 | 8.16E-01 | 1.02 | 6.31E-01 | 7.93E-01 | 1.02 | 7.02E-01 | 8.36E-01 |
| 8141708 | *CLDN15* | 0.78 | 2.30E-03 | 1.78E-02 | 0.93 | 2.73E-01 | 8.55E-01 | 0.65 | 1.97E-03 | 1.75E-02 | 0.62 | 1.04E-03 | 9.28E-03 |
| 8084788 | *CLDN16* | 0.97 | 6.28E-01 | 7.82E-01 | 1.09 | 1.79E-01 | 7.84E-01 | 0.80 | 2.07E-03 | 1.80E-02 | 0.81 | 7.40E-03 | 3.97E-02 |
| 8069790 | *CLDN17* | 0.92 | 1.63E-01 | 3.50E-01 | 1.05 | 2.20E-01 | 8.19E-01 | 0.92 | 6.41E-02 | 1.97E-01 | 0.92 | 3.57E-02 | 1.24E-01 |
| 8082928 | *CLDN18* | 1.08 | 2.59E-01 | 4.67E-01 | 1.37 | 4.97E-02 | 5.72E-01 | 2.77 | 2.71E-04 | 4.02E-03 | 3.15 | 1.70E-04 | 2.27E-03 |
| 7915435 | *CLDN19* | 0.90 | 1.53E-01 | 3.36E-01 | 1.03 | 6.73E-01 | 9.65E-01 | 0.98 | 7.29E-01 | 8.56E-01 | 0.97 | 5.67E-01 | 7.41E-01 |
| 8169210 | *CLDN2* | 1.24 | 2.28E-02 | 9.36E-02 | 1.34 | 1.37E-03 | 1.68E-01 | 1.06 | 5.58E-01 | 7.43E-01 | 1.08 | 4.96E-01 | 6.86E-01 |
| 8122966 | *CLDN20* | 1.02 | 7.32E-01 | 8.51E-01 | 1.03 | 5.65E-01 | 9.48E-01 | 1.02 | 6.40E-01 | 8.00E-01 | 1.01 | 7.33E-01 | 8.54E-01 |
| 8103877 | *CLDN22* | 0.99 | 8.28E-01 | 9.08E-01 | 1.01 | 8.22E-01 | 9.85E-01 | 0.98 | 4.65E-01 | 6.70E-01 | 0.97 | 4.22E-01 | 6.24E-01 |
| 8144505 | *CLDN23* | 0.64 | 2.45E-04 | 3.64E-03 | 0.92 | 3.83E-01 | 9.00E-01 | 0.75 | 1.81E-05 | 5.19E-04 | 0.73 | 2.35E-05 | 4.90E-04 |
| 8103879 | *CLDN24* | 0.90 | 9.33E-02 | 2.43E-01 | 0.99 | 8.34E-01 | 9.86E-01 | 1.07 | 4.43E-02 | 1.53E-01 | 1.07 | 4.79E-02 | 1.52E-01 |
| 8140140 | *CLDN3* | 0.89 | 1.23E-01 | 2.91E-01 | 0.87 | 4.20E-01 | 9.15E-01 | 0.76 | 1.14E-02 | 6.02E-02 | 0.74 | 1.55E-02 | 6.83E-02 |
| 8133360 | *CLDN4* | 0.78 | 3.48E-03 | 2.41E-02 | 0.94 | 7.09E-01 | 9.69E-01 | 0.78 | 2.04E-02 | 9.04E-02 | 0.76 | 2.00E-02 | 8.21E-02 |
| 8074473 | *CLDN5* | 1.14 | 3.93E-02 | 1.36E-01 | 1.00 | 9.90E-01 | 1.00E+00 | 1.01 | 8.88E-01 | 9.44E-01 | 1.01 | 7.91E-01 | 8.88E-01 |
| 7998898 | *CLDN6* | 0.95 | 5.38E-01 | 7.17E-01 | 1.02 | 7.22E-01 | 9.71E-01 | 0.97 | 5.92E-01 | 7.66E-01 | 0.97 | 5.63E-01 | 7.38E-01 |
| 8012126 | *CLDN7* | 0.83 | 2.53E-02 | 1.00E-01 | 0.84 | 4.10E-01 | 9.10E-01 | 0.86 | 3.16E-01 | 5.31E-01 | 0.83 | 2.65E-01 | 4.71E-01 |
| 8069795 | *CLDN8* | 0.15 | 3.51E-03 | 2.42E-02 | 0.47 | 5.87E-03 | 2.84E-01 | 0.41 | 3.15E-08 | 4.70E-06 | 0.39 | 3.22E-08 | 2.84E-06 |
| 7992782 | *CLDN9* | 0.96 | 5.18E-01 | 7.03E-01 | 0.96 | 4.50E-01 | 9.24E-01 | 0.91 | 2.42E-02 | 1.02E-01 | 0.90 | 3.03E-02 | 1.10E-01 |
| 8108378 | *CTNNA1* | 1.00 | 9.28E-01 | 9.62E-01 | 1.02 | 7.86E-01 | 9.81E-01 | 1.16 | 7.24E-03 | 4.32E-02 | 1.15 | 2.27E-02 | 8.99E-02 |
| 8079021 | *CTNNB1* | 0.94 | 2.21E-01 | 4.22E-01 | 1.15 | 4.38E-03 | 2.55E-01 | 1.11 | 1.86E-02 | 8.50E-02 | 1.11 | 2.01E-02 | 8.26E-02 |
| 7940079 | *CTNND1* | 0.86 | 5.26E-03 | 3.25E-02 | 0.88 | 1.09E-01 | 6.91E-01 | 0.97 | 6.28E-01 | 7.91E-01 | 0.95 | 4.34E-01 | 6.34E-01 |
| 8067955 | *CXADR* | 0.72 | 1.63E-04 | 2.76E-03 | 0.87 | 5.05E-01 | 9.40E-01 | 0.72 | 2.86E-02 | 1.14E-01 | 0.69 | 2.57E-02 | 9.79E-02 |
| 8022728 | *DSC1* | 0.92 | 1.03E-01 | 2.59E-01 | 1.03 | 5.29E-01 | 9.44E-01 | 0.95 | 2.62E-01 | 4.75E-01 | 0.95 | 2.88E-01 | 4.95E-01 |
| 8022711 | *DSC2* | 0.78 | 1.37E-03 | 1.23E-02 | 0.94 | 7.39E-01 | 9.73E-01 | 0.82 | 9.86E-02 | 2.60E-01 | 0.77 | 5.73E-02 | 1.72E-01 |
| 8022692 | *DSC3* | 0.85 | 1.05E-02 | 5.41E-02 | 1.10 | 1.11E-01 | 6.92E-01 | 1.11 | 8.35E-02 | 2.34E-01 | 1.11 | 1.10E-01 | 2.66E-01 |
| 8020724 | *DSG1* | 0.92 | 1.24E-01 | 2.94E-01 | 1.04 | 3.76E-01 | 8.97E-01 | 0.98 | 4.43E-01 | 6.51E-01 | 0.97 | 2.66E-01 | 4.71E-01 |
| 8020779 | *DSG2* | 0.75 | 7.57E-05 | 1.66E-03 | 0.87 | 5.99E-01 | 9.54E-01 | 1.09 | 5.97E-01 | 7.70E-01 | 1.04 | 8.15E-01 | 9.01E-01 |
| 8020762 | *DSG3* | 1.17 | 4.48E-01 | 6.48E-01 | 4.05 | 1.74E-04 | 6.97E-02 | 1.01 | 9.59E-01 | 9.81E-01 | 1.01 | 9.72E-01 | 9.87E-01 |
| 8020740 | *DSG4* | 0.91 | 7.69E-02 | 2.15E-01 | 1.12 | 2.01E-02 | 4.30E-01 | 1.09 | 1.17E-02 | 6.13E-02 | 1.09 | 1.41E-02 | 6.36E-02 |
| 8116780 | *DSP* | 0.76 | 9.33E-03 | 4.97E-02 | 0.81 | 2.77E-01 | 8.56E-01 | 0.92 | 4.88E-01 | 6.89E-01 | 0.88 | 3.15E-01 | 5.23E-01 |
| 8127234 | *DST* | 0.81 | 8.66E-03 | 4.70E-02 | 0.98 | 8.75E-01 | 9.88E-01 | 0.95 | 4.66E-01 | 6.71E-01 | 0.91 | 2.05E-01 | 4.02E-01 |
| 7905220 | *ECM1* | 1.27 | 2.16E-02 | 8.99E-02 | 1.17 | 1.24E-01 | 7.16E-01 | 1.27 | 2.47E-03 | 2.03E-02 | 1.31 | 1.67E-03 | 1.32E-02 |
| 8112731 | *F2RL2* | 1.99 | 5.66E-04 | 6.63E-03 | 1.60 | 1.34E-02 | 3.81E-01 | 1.82 | 3.18E-03 | 2.42E-02 | 2.06 | 6.69E-04 | 6.61E-03 |
| 8137865 | *GNA12* | 1.06 | 2.90E-01 | 5.00E-01 | 1.10 | 7.93E-02 | 6.44E-01 | 1.14 | 1.86E-02 | 8.50E-02 | 1.17 | 1.13E-02 | 5.41E-02 |
| 8062823 | *HNF4A* | 0.64 | 6.21E-05 | 1.46E-03 | 0.77 | 1.05E-01 | 6.86E-01 | 0.74 | 1.13E-02 | 5.98E-02 | 0.70 | 6.28E-03 | 3.53E-02 |
| 8095680 | *IL8* | 5.52 | 3.46E-05 | 1.00E-03 | 1.53 | 2.36E-01 | 8.29E-01 | 4.20 | 2.33E-05 | 6.33E-04 | 5.29 | 1.66E-06 | 6.42E-05 |
| 8046380 | *ITGA6* | 1.27 | 2.79E-03 | 2.06E-02 | 1.22 | 5.00E-02 | 5.73E-01 | 1.21 | 1.69E-02 | 7.93E-02 | 1.23 | 1.95E-02 | 8.07E-02 |
| 8009951 | *ITGB4* | 1.36 | 1.13E-03 | 1.07E-02 | 1.07 | 5.95E-01 | 9.53E-01 | 1.14 | 1.59E-01 | 3.50E-01 | 1.13 | 2.30E-01 | 4.32E-01 |
| 8068644 | *JAM4/IGSF5* | 0.89 | 2.22E-01 | 4.23E-01 | 1.01 | 8.72E-01 | 9.88E-01 | 1.02 | 5.99E-01 | 7.71E-01 | 1.01 | 6.95E-01 | 8.32E-01 |
| 7921713 | *JAMA/JAM1/F11R* | 0.80 | 2.35E-03 | 1.80E-02 | 0.97 | 7.68E-01 | 9.78E-01 | 0.90 | 1.15E-01 | 2.86E-01 | 0.88 | 6.68E-02 | 1.91E-01 |
| 8068024 | *JAMB/JAM2* | 2.08 | 7.95E-05 | 1.70E-03 | 1.01 | 9.41E-01 | 9.93E-01 | 1.36 | 2.44E-02 | 1.02E-01 | 1.38 | 2.63E-02 | 9.96E-02 |
| 7945262 | *JAMC/JAM3* | 1.48 | 1.76E-03 | 1.47E-02 | 1.17 | 2.42E-01 | 8.34E-01 | 1.03 | 7.16E-01 | 8.49E-01 | 1.07 | 4.82E-01 | 6.74E-01 |
| 8015412 | *JUP* | 0.84 | 2.55E-02 | 1.01E-01 | 0.95 | 6.86E-01 | 9.67E-01 | 0.88 | 6.67E-02 | 2.02E-01 | 0.87 | 5.39E-02 | 1.65E-01 |
| 8022176 | *LAMA1* | 1.13 | 1.97E-02 | 8.45E-02 | 0.99 | 9.37E-01 | 9.93E-01 | 1.01 | 8.21E-01 | 9.07E-01 | 1.01 | 8.12E-01 | 8.99E-01 |
| 8020551 | *LAMA3* | 0.76 | 5.00E-03 | 3.13E-02 | 1.26 | 2.70E-02 | 4.73E-01 | 0.86 | 1.00E-01 | 2.62E-01 | 0.83 | 5.71E-02 | 1.72E-01 |
| 8128991 | *LAMA4* | 2.26 | 3.99E-04 | 5.18E-03 | 1.05 | 8.03E-01 | 9.82E-01 | 1.79 | 2.15E-04 | 3.42E-03 | 1.94 | 8.31E-05 | 1.31E-03 |
| 8067409 | *LAMA5* | 1.47 | 1.05E-05 | 4.62E-04 | 1.03 | 7.37E-01 | 9.72E-01 | 1.09 | 1.05E-01 | 2.70E-01 | 1.11 | 7.53E-02 | 2.07E-01 |
| 8142194 | *LAMB1* | 1.64 | 2.23E-05 | 7.38E-04 | 0.96 | 7.07E-01 | 9.69E-01 | 1.72 | 6.66E-10 | 2.52E-07 | 1.76 | 6.82E-10 | 1.41E-07 |
| 8087337 | *LAMB2* | 1.66 | 6.08E-05 | 1.44E-03 | 1.06 | 6.19E-01 | 9.55E-01 | 1.21 | 1.56E-02 | 7.50E-02 | 1.20 | 2.39E-02 | 9.31E-02 |
| 7908041 | *LAMC1* | 2.50 | 7.95E-05 | 1.70E-03 | 1.18 | 3.50E-01 | 8.87E-01 | 1.73 | 5.43E-05 | 1.20E-03 | 1.86 | 1.32E-05 | 3.19E-04 |
| 7908072 | *LAMC2* | 1.09 | 5.46E-01 | 7.24E-01 | 1.67 | 1.60E-02 | 4.02E-01 | 1.14 | 4.21E-01 | 6.32E-01 | 1.12 | 5.23E-01 | 7.08E-01 |
| 8088602 | *MAGI1* | 0.56 | 2.92E-07 | 5.03E-05 | 0.86 | 4.42E-02 | 5.54E-01 | 0.80 | 5.67E-03 | 3.65E-02 | 0.75 | 4.29E-04 | 4.70E-03 |
| 8140504 | *MAGI2* | 0.96 | 4.90E-01 | 6.81E-01 | 0.97 | 5.11E-01 | 9.41E-01 | 1.01 | 7.57E-01 | 8.71E-01 | 1.01 | 8.49E-01 | 9.21E-01 |
| 7904106 | *MAGI3* | 0.75 | 9.02E-04 | 9.23E-03 | 0.79 | 6.10E-02 | 6.03E-01 | 0.86 | 1.26E-01 | 3.04E-01 | 0.81 | 4.21E-02 | 1.39E-01 |
| 8105899 | *MARVELD2* | 0.63 | 1.70E-05 | 6.23E-04 | 0.82 | 3.32E-01 | 8.79E-01 | 0.82 | 1.48E-01 | 3.36E-01 | 0.78 | 1.01E-01 | 2.52E-01 |
| 8177498 | *MARVELD2* | 0.63 | 1.70E-05 | 6.23E-04 | 0.82 | 3.32E-01 | 8.79E-01 | 0.82 | 1.48E-01 | 3.36E-01 | 0.78 | 1.01E-01 | 2.52E-01 |
| 7997158 | *MARVELD3* | 0.64 | 6.61E-05 | 1.51E-03 | 0.80 | 7.75E-02 | 6.40E-01 | 0.71 | 1.52E-03 | 1.45E-02 | 0.67 | 7.80E-04 | 7.43E-03 |
| 8120088 | *MEP1A* | 0.37 | 2.07E-06 | 1.65E-04 | 0.57 | 7.37E-02 | 6.29E-01 | 0.56 | 2.45E-02 | 1.03E-01 | 0.50 | 1.37E-02 | 6.24E-02 |
| 8123407 | *MLLT4/AF6* | 0.79 | 2.68E-03 | 1.99E-02 | 0.97 | 7.15E-01 | 9.69E-01 | 0.87 | 7.27E-02 | 2.14E-01 | 0.83 | 1.55E-02 | 6.79E-02 |
| 7975203 | *MPP5/PALS1* | 0.56 | 8.75E-07 | 1.00E-04 | 0.90 | 2.82E-01 | 8.57E-01 | 0.68 | 1.33E-03 | 1.31E-02 | 0.63 | 1.23E-04 | 1.76E-03 |
| 7920642 | *MUC1* | 2.52 | 3.86E-07 | 6.05E-05 | 0.91 | 6.16E-01 | 9.55E-01 | 7.15 | 7.33E-12 | 7.86E-09 | 8.47 | 5.18E-14 | 8.19E-11 |
| 8135031 | *MUC11/MUC12* | 1.00 | 9.76E-01 | 9.87E-01 | 0.98 | 8.97E-01 | 9.91E-01 | 1.20 | 4.99E-01 | 6.98E-01 | 1.17 | 5.78E-01 | 7.49E-01 |
| 8135033 | *MUC11/MUC12* | 1.00 | 1.00E+00 | 1.00E+00 | 0.98 | 8.83E-01 | 9.90E-01 | 1.19 | 5.06E-01 | 7.03E-01 | 1.16 | 5.95E-01 | 7.61E-01 |
| 8135037 | *MUC11/MUC12* | 1.20 | 5.25E-01 | 7.08E-01 | 1.05 | 8.49E-01 | 9.86E-01 | 1.55 | 1.74E-01 | 3.71E-01 | 1.58 | 1.85E-01 | 3.76E-01 |
| 8090180 | *MUC13* | 1.06 | 3.92E-01 | 6.00E-01 | 0.95 | 8.56E-01 | 9.87E-01 | 0.92 | 6.85E-01 | 8.29E-01 | 0.89 | 5.94E-01 | 7.60E-01 |
| 8101957 | *MUC14/EMCN* | 1.69 | 3.65E-03 | 2.49E-02 | 1.23 | 3.21E-01 | 8.74E-01 | 1.54 | 3.10E-03 | 2.38E-02 | 1.55 | 5.46E-03 | 3.20E-02 |
| 7939024 | *MUC15* | 0.96 | 4.40E-01 | 6.41E-01 | 1.02 | 7.33E-01 | 9.72E-01 | 0.97 | 4.13E-01 | 6.24E-01 | 0.97 | 4.53E-01 | 6.50E-01 |
| 7947156 | *MUC15* | 0.95 | 3.25E-01 | 5.37E-01 | 1.00 | 9.58E-01 | 9.94E-01 | 1.02 | 5.50E-01 | 7.37E-01 | 1.01 | 7.09E-01 | 8.40E-01 |
| 8033674 | *MUC16* | 0.99 | 8.68E-01 | 9.30E-01 | 1.15 | 2.82E-02 | 4.77E-01 | 1.02 | 5.76E-01 | 7.56E-01 | 1.04 | 4.65E-01 | 6.60E-01 |
| 8135048 | *MUC17* | 0.83 | 6.12E-01 | 7.71E-01 | 1.91 | 5.93E-02 | 5.98E-01 | 0.71 | 1.30E-01 | 3.09E-01 | 0.67 | 8.71E-02 | 2.28E-01 |
| 7952205 | *MUC18/MCAM* | 2.66 | 5.35E-06 | 2.92E-04 | 1.11 | 6.07E-01 | 9.54E-01 | 1.50 | 4.39E-03 | 3.04E-02 | 1.59 | 2.10E-03 | 1.57E-02 |
| 7954864 | *MUC19* | 0.93 | 1.31E-01 | 3.04E-01 | 1.05 | 2.13E-01 | 8.14E-01 | 0.96 | 2.29E-01 | 4.38E-01 | 0.97 | 3.32E-01 | 5.41E-01 |
| 7937560 | *MUC2* | 1.62 | 8.61E-04 | 8.94E-03 | 0.70 | 2.02E-01 | 8.06E-01 | 1.24 | 2.00E-01 | 4.03E-01 | 1.27 | 2.11E-01 | 4.08E-01 |
| 8084895 | *MUC20* | 0.81 | 1.75E-01 | 3.65E-01 | 0.89 | 5.97E-01 | 9.53E-01 | 1.14 | 2.48E-01 | 4.60E-01 | 1.10 | 4.04E-01 | 6.09E-01 |
| 8118069 | *MUC21* | 1.00 | 9.54E-01 | 9.75E-01 | 1.06 | 3.71E-01 | 8.96E-01 | 1.08 | 1.17E-01 | 2.89E-01 | 1.09 | 6.89E-02 | 1.95E-01 |
| 8177931 | *MUC21* | 1.03 | 6.32E-01 | 7.85E-01 | 1.05 | 4.05E-01 | 9.08E-01 | 1.08 | 9.29E-02 | 2.50E-01 | 1.10 | 5.54E-02 | 1.68E-01 |
| 8179224 | *MUC21* | 1.02 | 8.19E-01 | 9.02E-01 | 1.06 | 3.74E-01 | 8.97E-01 | 1.13 | 2.02E-02 | 8.96E-02 | 1.15 | 1.05E-02 | 5.13E-02 |
| 8135015 | *MUC3A/MUC3B* | 0.92 | 5.26E-01 | 7.09E-01 | 1.25 | 2.94E-01 | 8.61E-01 | 0.69 | 4.58E-02 | 1.57E-01 | 0.63 | 1.80E-02 | 7.60E-02 |
| 8092978 | *MUC4* | 1.86 | 3.20E-04 | 4.40E-03 | 0.91 | 6.93E-01 | 9.68E-01 | 4.11 | 4.07E-07 | 3.21E-05 | 4.64 | 3.49E-08 | 3.02E-06 |
| 7937612 | *MUC5B* | 2.53 | 5.81E-04 | 6.76E-03 | 1.05 | 8.25E-01 | 9.85E-01 | 2.08 | 3.20E-02 | 1.23E-01 | 2.53 | 8.64E-03 | 4.45E-02 |
| 7945595 | *MUC6* | 0.98 | 7.62E-01 | 8.68E-01 | 1.10 | 4.79E-01 | 9.32E-01 | 3.10 | 7.68E-03 | 4.51E-02 | 3.88 | 2.67E-03 | 1.88E-02 |
| 8095504 | *MUC7* | 0.92 | 2.55E-01 | 4.62E-01 | 1.00 | 9.87E-01 | 1.00E+00 | 1.06 | 1.75E-01 | 3.72E-01 | 1.07 | 1.86E-01 | 3.76E-01 |
| 7918504 | *MUC9/OVGP1* | 0.92 | 1.93E-01 | 3.88E-01 | 0.98 | 7.43E-01 | 9.73E-01 | 0.95 | 1.83E-01 | 3.82E-01 | 0.95 | 2.50E-01 | 4.54E-01 |
| 8160088 | *MUPP1/MPDZ* | 1.81 | 7.80E-04 | 8.38E-03 | 0.99 | 9.50E-01 | 9.93E-01 | 1.41 | 4.54E-03 | 3.12E-02 | 1.49 | 2.26E-03 | 1.66E-02 |
| 8058604 | *MYL1* | 0.94 | 2.24E-01 | 4.26E-01 | 1.01 | 7.62E-01 | 9.77E-01 | 0.96 | 2.82E-01 | 4.97E-01 | 0.96 | 2.67E-01 | 4.73E-01 |
| 8141737 | *MYL10* | 0.89 | 5.11E-02 | 1.63E-01 | 1.00 | 9.57E-01 | 9.94E-01 | 0.93 | 1.94E-02 | 8.74E-02 | 0.93 | 3.07E-02 | 1.11E-01 |
| 8019924 | *MYL12A* | 0.85 | 6.92E-03 | 3.99E-02 | 0.97 | 5.50E-01 | 9.46E-01 | 0.99 | 8.24E-01 | 9.08E-01 | 1.00 | 9.05E-01 | 9.53E-01 |
| 8019930 | *MYL12B* | 0.87 | 3.63E-03 | 2.48E-02 | 0.95 | 4.17E-01 | 9.14E-01 | 0.97 | 4.55E-01 | 6.62E-01 | 0.96 | 3.93E-01 | 5.99E-01 |
| 7966379 | *MYL2* | 0.99 | 8.73E-01 | 9.33E-01 | 1.00 | 9.16E-01 | 9.92E-01 | 0.94 | 9.78E-02 | 2.58E-01 | 0.92 | 4.78E-02 | 1.52E-01 |
| 8086689 | *MYL3* | 0.92 | 1.48E-01 | 3.29E-01 | 1.01 | 8.52E-01 | 9.86E-01 | 0.95 | 1.44E-01 | 3.30E-01 | 0.96 | 1.97E-01 | 3.91E-01 |
| 8007921 | *MYL4* | 1.03 | 6.50E-01 | 7.97E-01 | 1.05 | 3.56E-01 | 8.89E-01 | 1.04 | 3.95E-01 | 6.08E-01 | 1.04 | 3.50E-01 | 5.59E-01 |
| 8093386 | *MYL5* | 0.86 | 1.99E-02 | 8.49E-02 | 0.96 | 4.30E-01 | 9.19E-01 | 0.96 | 3.37E-01 | 5.52E-01 | 0.93 | 9.14E-02 | 2.36E-01 |
| 7956211 | *MYL6* | 0.92 | 1.62E-01 | 3.48E-01 | 1.01 | 8.74E-01 | 9.88E-01 | 1.12 | 3.47E-04 | 4.84E-03 | 1.13 | 3.97E-05 | 7.32E-04 |
| 7956200 | *MYL6B* | 1.03 | 5.38E-01 | 7.18E-01 | 0.99 | 7.92E-01 | 9.81E-01 | 1.03 | 3.15E-01 | 5.31E-01 | 1.03 | 3.18E-01 | 5.26E-01 |
| 8139307 | *MYL7* | 0.93 | 1.14E-01 | 2.77E-01 | 1.00 | 9.34E-01 | 9.93E-01 | 0.98 | 7.29E-01 | 8.56E-01 | 1.00 | 9.99E-01 | 9.99E-01 |
| 8062312 | *MYL9* | 1.17 | 1.44E-01 | 3.23E-01 | 1.04 | 7.14E-01 | 9.69E-01 | 0.83 | 3.77E-02 | 1.38E-01 | 0.84 | 5.86E-02 | 1.75E-01 |
| 8090098 | *MYLK1/MLCK1* | 0.84 | 1.75E-01 | 3.65E-01 | 0.82 | 4.56E-02 | 5.58E-01 | 0.99 | 8.61E-01 | 9.29E-01 | 0.98 | 8.32E-01 | 9.11E-01 |
| 8026638 | *MYO9B* | 1.15 | 8.81E-03 | 4.76E-02 | 1.04 | 5.27E-01 | 9.44E-01 | 1.15 | 1.79E-02 | 8.28E-02 | 1.19 | 8.24E-03 | 4.28E-02 |
| 8105908 | *OCLN* | 0.55 | 2.34E-07 | 4.48E-05 | 0.83 | 4.07E-01 | 9.08E-01 | 0.80 | 9.17E-02 | 2.48E-01 | 0.76 | 5.96E-02 | 1.77E-01 |
| 7933010 | *PARD3* | 0.83 | 2.63E-03 | 1.96E-02 | 0.94 | 4.71E-01 | 9.29E-01 | 1.06 | 3.09E-01 | 5.24E-01 | 1.05 | 4.79E-01 | 6.72E-01 |
| 7908672 | *PKP1* | 0.88 | 5.38E-02 | 1.69E-01 | 1.07 | 2.58E-01 | 8.46E-01 | 0.91 | 2.29E-02 | 9.80E-02 | 0.91 | 2.17E-02 | 8.72E-02 |
| 7962212 | *PKP2* | 0.85 | 3.35E-02 | 1.22E-01 | 0.83 | 3.44E-01 | 8.85E-01 | 1.36 | 1.27E-02 | 6.47E-02 | 1.35 | 2.70E-02 | 1.02E-01 |
| 7937363 | *PKP3* | 0.96 | 5.81E-01 | 7.49E-01 | 0.99 | 9.13E-01 | 9.92E-01 | 0.98 | 7.37E-01 | 8.60E-01 | 0.97 | 6.27E-01 | 7.83E-01 |
| 8045860 | *PKP4* | 1.27 | 1.84E-03 | 1.52E-02 | 1.01 | 8.36E-01 | 9.86E-01 | 1.26 | 8.78E-05 | 1.75E-03 | 1.31 | 8.25E-06 | 2.20E-04 |
| 8153568 | *PLEC* | 1.19 | 3.36E-02 | 1.22E-01 | 1.07 | 3.54E-01 | 8.89E-01 | 0.97 | 5.02E-01 | 7.00E-01 | 0.97 | 4.99E-01 | 6.88E-01 |
| 7946781 | *PLEKHA7* | 0.91 | 2.42E-01 | 4.47E-01 | 0.80 | 8.93E-02 | 6.63E-01 | 0.90 | 2.57E-01 | 4.69E-01 | 0.86 | 1.42E-01 | 3.16E-01 |
| 7999253 | *PPL* | 0.98 | 7.43E-01 | 8.57E-01 | 1.04 | 5.30E-01 | 9.44E-01 | 0.78 | 2.85E-05 | 7.32E-04 | 0.77 | 1.99E-05 | 4.32E-04 |
| 8105067 | *PTGER4* | 0.98 | 8.05E-01 | 8.95E-01 | 0.91 | 2.75E-01 | 8.55E-01 | 1.12 | 6.09E-02 | 1.90E-01 | 1.14 | 2.44E-02 | 9.45E-02 |
| 8022393 | *PTPN2* | 1.11 | 1.69E-01 | 3.58E-01 | 1.07 | 4.05E-01 | 9.08E-01 | 1.24 | 1.88E-03 | 1.69E-02 | 1.26 | 2.92E-03 | 2.01E-02 |
| 8089394 | *RELMB/FIZZ2/RETNLB* | 1.19 | 5.15E-01 | 7.01E-01 | 0.34 | 1.43E-03 | 1.72E-01 | 1.00 | 9.84E-01 | 9.91E-01 | 0.97 | 9.11E-01 | 9.56E-01 |
| 8087409 | *RHOA* | 1.04 | 3.25E-01 | 5.38E-01 | 1.05 | 1.16E-01 | 7.01E-01 | 1.03 | 3.95E-01 | 6.08E-01 | 1.04 | 2.17E-01 | 4.16E-01 |
| 8020382 | *ROCK1* | 1.14 | 1.46E-01 | 3.26E-01 | 0.97 | 6.87E-01 | 9.67E-01 | 1.15 | 5.90E-02 | 1.86E-01 | 1.14 | 1.15E-01 | 2.74E-01 |
| 8022441 | *ROCK1* | 1.07 | 5.10E-01 | 6.97E-01 | 1.06 | 4.07E-01 | 9.08E-01 | 1.22 | 5.45E-03 | 3.55E-02 | 1.23 | 6.67E-03 | 3.69E-02 |
| 8050302 | *ROCK2* | 0.79 | 3.41E-04 | 4.61E-03 | 0.96 | 5.31E-01 | 9.44E-01 | 1.01 | 8.11E-01 | 9.01E-01 | 1.00 | 9.50E-01 | 9.76E-01 |
| 8037695 | *SYMPK* | 1.10 | 3.60E-02 | 1.28E-01 | 0.93 | 6.69E-02 | 6.18E-01 | 0.95 | 1.12E-01 | 2.81E-01 | 0.95 | 1.41E-01 | 3.15E-01 |
| 8023415 | *TCF4* | 2.36 | 2.16E-03 | 1.70E-02 | 1.30 | 1.68E-01 | 7.70E-01 | 1.10 | 6.09E-01 | 7.78E-01 | 1.20 | 3.41E-01 | 5.51E-01 |
| 8070579 | *TFF1* | 1.95 | 3.06E-03 | 2.20E-02 | 1.66 | 1.87E-02 | 4.27E-01 | 2.26 | 1.86E-04 | 3.06E-03 | 2.54 | 5.78E-05 | 9.86E-04 |
| 8070574 | *TFF2* | 1.12 | 2.82E-01 | 4.91E-01 | 1.43 | 3.27E-02 | 4.99E-01 | 1.56 | 5.50E-02 | 1.77E-01 | 1.72 | 3.40E-02 | 1.20E-01 |
| 8070567 | *TFF3* | 1.48 | 3.61E-03 | 2.47E-02 | 0.72 | 1.20E-01 | 7.10E-01 | 1.19 | 2.12E-01 | 4.18E-01 | 1.28 | 8.31E-02 | 2.21E-01 |
| 7986977 | *TJP1/ZO1* | 0.70 | 9.44E-06 | 4.29E-04 | 1.03 | 5.15E-01 | 9.43E-01 | 0.91 | 6.32E-02 | 1.95E-01 | 0.90 | 3.68E-02 | 1.27E-01 |
| 8155707 | *TJP2/ZO2* | 0.85 | 2.26E-02 | 9.30E-02 | 1.03 | 7.10E-01 | 9.69E-01 | 0.91 | 1.08E-01 | 2.76E-01 | 0.88 | 6.20E-02 | 1.82E-01 |
| 8024687 | *TJP3/ZO3* | 0.71 | 3.32E-03 | 2.33E-02 | 0.81 | 1.84E-01 | 7.89E-01 | 0.92 | 3.83E-01 | 5.98E-01 | 0.88 | 2.37E-01 | 4.39E-01 |
| 7962689 | *VDR* | 0.61 | 1.05E-04 | 2.06E-03 | 0.88 | 2.07E-01 | 8.11E-01 | 0.81 | 4.46E-03 | 3.07E-02 | 0.77 | 6.65E-04 | 6.57E-03 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Probeset ID** | **Gene symbol(s)** | **CDi inactive (n=16) versus  control ileums (n=11)** | | | **CDi inactive (n=16) versus  CDi active (n=51)** | | | **CDi active (n=51) versus  CDc active (n=8)** | | | **Control ileums (n=11) versus control colons (n=11)** | | |
|
|
| **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** |
| 8174576 | *AMOT* | 1.03 | 6.27E-01 | 8.36E-01 | 1.18 | 3.95E-03 | 6.16E-02 | 0.94 | 3.83E-01 | 6.71E-01 | 1.23 | 2.17E-03 | 1.17E-02 |
| 7943263 | *AMOTL1* | 1.09 | 1.38E-01 | 4.08E-01 | 0.94 | 1.84E-01 | 4.48E-01 | 0.91 | 1.76E-01 | 4.51E-01 | 0.93 | 2.46E-01 | 4.27E-01 |
| 8090852 | *AMOTL2* | 0.90 | 8.04E-02 | 3.12E-01 | 0.96 | 2.37E-01 | 5.11E-01 | 0.96 | 3.32E-01 | 6.27E-01 | 1.19 | 1.20E-02 | 4.56E-02 |
| 7996837 | *CDH1* | 1.06 | 1.11E-01 | 3.68E-01 | 1.19 | 1.45E-01 | 3.95E-01 | 0.94 | 7.23E-01 | 8.84E-01 | 0.90 | 3.20E-02 | 9.78E-02 |
| 7905406 | *CGN* | 0.97 | 6.29E-01 | 8.38E-01 | 1.26 | 3.07E-02 | 1.72E-01 | 1.01 | 9.50E-01 | 9.82E-01 | 0.88 | 1.38E-01 | 2.89E-01 |
| 7983867 | *CGNL1/JACOP* | 0.89 | 7.56E-03 | 9.05E-02 | 1.02 | 6.08E-01 | 8.16E-01 | 0.93 | 1.50E-01 | 4.15E-01 | 0.98 | 7.54E-01 | 8.59E-01 |
| 8092726 | *CLDN1* | 1.68 | 9.41E-03 | 1.02E-01 | 0.57 | 4.67E-03 | 6.59E-02 | 0.77 | 3.07E-01 | 6.04E-01 | 0.73 | 1.80E-02 | 6.28E-02 |
| 7969640 | *CLDN10* | 0.98 | 7.45E-01 | 8.99E-01 | 1.01 | 8.65E-01 | 9.47E-01 | 0.94 | 1.86E-01 | 4.65E-01 | 1.02 | 6.65E-01 | 7.99E-01 |
| 8083887 | *CLDN11* | 0.96 | 5.10E-01 | 7.67E-01 | 1.03 | 4.41E-01 | 7.00E-01 | 0.83 | 1.10E-03 | 1.67E-02 | 1.03 | 6.94E-01 | 8.19E-01 |
| 8134091 | *CLDN12* | 1.18 | 7.47E-02 | 3.02E-01 | 0.91 | 2.75E-01 | 5.50E-01 | 0.94 | 6.23E-01 | 8.33E-01 | 1.05 | 6.28E-01 | 7.72E-01 |
| 8070233 | *CLDN14* | 1.03 | 4.74E-01 | 7.43E-01 | 1.01 | 7.74E-01 | 9.06E-01 | 1.02 | 7.10E-01 | 8.78E-01 | 0.99 | 8.05E-01 | 8.91E-01 |
| 8141708 | *CLDN15* | 0.76 | 1.75E-02 | 1.42E-01 | 1.21 | 1.22E-01 | 3.62E-01 | 3.85 | 1.41E-11 | 1.56E-08 | 4.82 | 6.33E-19 | 3.83E-16 |
| 8084788 | *CLDN16* | 0.76 | 2.28E-02 | 1.64E-01 | 0.94 | 1.95E-01 | 4.61E-01 | 1.07 | 2.43E-01 | 5.35E-01 | 1.29 | 5.76E-02 | 1.53E-01 |
| 8069790 | *CLDN17* | 0.94 | 3.04E-01 | 6.05E-01 | 1.02 | 5.51E-01 | 7.80E-01 | 1.03 | 5.91E-01 | 8.15E-01 | 1.02 | 6.32E-01 | 7.75E-01 |
| 8082928 | *CLDN18* | 1.83 | 3.76E-05 | 5.68E-03 | 0.58 | 2.93E-02 | 1.68E-01 | 3.34 | 6.85E-04 | 1.18E-02 | 1.14 | 3.04E-02 | 9.41E-02 |
| 7915435 | *CLDN19* | 1.02 | 6.74E-01 | 8.62E-01 | 1.05 | 1.75E-01 | 4.35E-01 | 1.03 | 6.16E-01 | 8.29E-01 | 0.95 | 4.52E-01 | 6.33E-01 |
| 8169210 | *CLDN2* | 1.02 | 8.33E-01 | 9.35E-01 | 0.95 | 5.92E-01 | 8.07E-01 | 2.29 | 1.01E-08 | 2.48E-06 | 2.64 | 2.43E-12 | 2.45E-10 |
| 8122966 | *CLDN20* | 1.03 | 5.28E-01 | 7.80E-01 | 1.02 | 5.60E-01 | 7.86E-01 | 0.98 | 6.79E-01 | 8.61E-01 | 0.99 | 8.40E-01 | 9.13E-01 |
| 8103877 | *CLDN22* | 0.99 | 7.83E-01 | 9.15E-01 | 1.02 | 5.59E-01 | 7.85E-01 | 0.93 | 6.17E-02 | 2.51E-01 | 0.94 | 2.60E-01 | 4.44E-01 |
| 8144505 | *CLDN23* | 0.80 | 1.02E-02 | 1.07E-01 | 1.09 | 9.92E-02 | 3.25E-01 | 0.83 | 1.24E-02 | 9.11E-02 | 0.73 | 4.87E-03 | 2.24E-02 |
| 8103879 | *CLDN24* | 1.06 | 1.00E-01 | 3.49E-01 | 0.99 | 8.45E-01 | 9.39E-01 | 1.01 | 7.78E-01 | 9.11E-01 | 0.85 | 5.11E-04 | 3.63E-03 |
| 8140140 | *CLDN3* | 0.81 | 4.69E-04 | 1.97E-02 | 1.10 | 3.62E-01 | 6.36E-01 | 0.77 | 6.92E-02 | 2.70E-01 | 0.93 | 2.11E-01 | 3.87E-01 |
| 8133360 | *CLDN4* | 0.85 | 3.02E-02 | 1.89E-01 | 1.12 | 2.43E-01 | 5.17E-01 | 0.76 | 4.36E-02 | 2.05E-01 | 0.77 | 1.55E-03 | 8.89E-03 |
| 8074473 | *CLDN5* | 0.99 | 8.15E-01 | 9.28E-01 | 0.98 | 5.02E-01 | 7.46E-01 | 0.98 | 6.32E-01 | 8.38E-01 | 1.10 | 1.12E-01 | 2.50E-01 |
| 7998898 | *CLDN6* | 0.98 | 8.17E-01 | 9.29E-01 | 1.02 | 7.01E-01 | 8.71E-01 | 1.10 | 1.41E-01 | 4.02E-01 | 1.08 | 3.44E-01 | 5.33E-01 |
| 8012126 | *CLDN7* | 0.97 | 5.92E-01 | 8.18E-01 | 1.17 | 2.42E-01 | 5.16E-01 | 0.95 | 7.91E-01 | 9.16E-01 | 0.95 | 3.55E-01 | 5.42E-01 |
| 8069795 | *CLDN8* | 0.47 | 1.30E-03 | 3.44E-02 | 1.19 | 1.16E-01 | 3.52E-01 | 0.37 | 1.84E-05 | 7.56E-04 | 0.14 | 1.71E-04 | 1.45E-03 |
| 7992782 | *CLDN9* | 0.93 | 5.44E-02 | 2.56E-01 | 1.03 | 4.51E-01 | 7.09E-01 | 1.01 | 8.23E-01 | 9.31E-01 | 1.08 | 1.41E-01 | 2.94E-01 |
| 8108378 | *CTNNA1* | 1.20 | 2.37E-03 | 4.80E-02 | 1.04 | 3.64E-01 | 6.37E-01 | 0.80 | 9.99E-04 | 1.56E-02 | 0.70 | 1.25E-05 | 1.59E-04 |
| 8079021 | *CTNNB1* | 1.09 | 1.20E-01 | 3.81E-01 | 0.98 | 5.60E-01 | 7.86E-01 | 1.08 | 1.14E-01 | 3.58E-01 | 0.92 | 1.34E-01 | 2.84E-01 |
| 7940079 | *CTNND1* | 1.04 | 3.42E-01 | 6.38E-01 | 1.10 | 7.55E-02 | 2.80E-01 | 1.01 | 9.41E-01 | 9.79E-01 | 0.91 | 5.51E-02 | 1.48E-01 |
| 8067955 | *CXADR* | 0.83 | 3.19E-02 | 1.95E-01 | 1.20 | 1.85E-01 | 4.49E-01 | 0.95 | 7.93E-01 | 9.17E-01 | 0.99 | 8.76E-01 | 9.34E-01 |
| 8022728 | *DSC1* | 0.96 | 3.01E-01 | 6.02E-01 | 1.01 | 8.20E-01 | 9.28E-01 | 1.05 | 4.02E-01 | 6.85E-01 | 1.02 | 7.43E-01 | 8.52E-01 |
| 8022711 | *DSC2* | 0.97 | 6.26E-01 | 8.36E-01 | 1.25 | 4.29E-02 | 2.07E-01 | 0.77 | 8.96E-02 | 3.13E-01 | 0.77 | 2.81E-04 | 2.19E-03 |
| 8022692 | *DSC3* | 1.11 | 8.80E-02 | 3.28E-01 | 1.00 | 9.63E-01 | 9.87E-01 | 1.16 | 4.08E-02 | 1.97E-01 | 0.89 | 8.13E-02 | 1.98E-01 |
| 8020724 | *DSG1* | 1.01 | 8.19E-01 | 9.30E-01 | 1.04 | 7.98E-02 | 2.89E-01 | 1.05 | 9.35E-02 | 3.21E-01 | 1.00 | 9.90E-01 | 9.95E-01 |
| 8020779 | *DSG2* | 1.25 | 7.26E-03 | 8.82E-02 | 1.20 | 2.28E-01 | 5.00E-01 | 0.74 | 1.47E-01 | 4.12E-01 | 0.53 | 1.97E-09 | 8.74E-08 |
| 8020762 | *DSG3* | 1.02 | 9.19E-01 | 9.70E-01 | 1.01 | 9.47E-01 | 9.81E-01 | 2.97 | 6.77E-05 | 2.09E-03 | 3.45 | 5.84E-11 | 4.06E-09 |
| 8020740 | *DSG4* | 1.07 | 4.67E-02 | 2.37E-01 | 0.98 | 5.73E-01 | 7.94E-01 | 1.02 | 5.80E-01 | 8.08E-01 | 0.85 | 3.74E-04 | 2.80E-03 |
| 8116780 | *DSP* | 1.07 | 2.92E-01 | 5.94E-01 | 1.22 | 6.54E-02 | 2.59E-01 | 0.87 | 3.58E-01 | 6.51E-01 | 0.75 | 4.09E-04 | 3.02E-03 |
| 8127234 | *DST* | 1.09 | 2.84E-01 | 5.86E-01 | 1.20 | 5.09E-03 | 6.90E-02 | 0.86 | 8.25E-02 | 2.99E-01 | 0.77 | 6.14E-03 | 2.69E-02 |
| 7905220 | *ECM1* | 1.15 | 1.25E-02 | 1.18E-01 | 0.88 | 6.01E-02 | 2.47E-01 | 0.94 | 5.33E-01 | 7.78E-01 | 0.91 | 8.07E-02 | 1.97E-01 |
| 8112731 | *F2RL2* | 1.23 | 1.08E-01 | 3.62E-01 | 0.60 | 4.34E-03 | 6.40E-02 | 1.49 | 1.10E-01 | 3.52E-01 | 1.44 | 4.67E-04 | 3.37E-03 |
| 8137865 | *GNA12* | 1.07 | 1.86E-01 | 4.75E-01 | 0.91 | 7.50E-02 | 2.79E-01 | 0.92 | 2.24E-01 | 5.14E-01 | 0.84 | 1.49E-03 | 8.64E-03 |
| 8062823 | *HNF4A* | 0.89 | 3.73E-02 | 2.11E-01 | 1.27 | 2.38E-02 | 1.51E-01 | 1.05 | 7.57E-01 | 9.00E-01 | 0.96 | 5.01E-01 | 6.75E-01 |
| 8095680 | *IL8* | 2.02 | 3.00E-03 | 5.46E-02 | 0.38 | 9.57E-04 | 3.20E-02 | 0.83 | 6.20E-01 | 8.31E-01 | 0.86 | 4.53E-01 | 6.35E-01 |
| 8046380 | *ITGA6* | 1.17 | 3.38E-02 | 2.00E-01 | 0.95 | 4.88E-01 | 7.36E-01 | 0.92 | 3.92E-01 | 6.78E-01 | 0.95 | 4.84E-01 | 6.61E-01 |
| 8009951 | *ITGB4* | 1.16 | 1.44E-02 | 1.26E-01 | 1.03 | 7.50E-01 | 8.94E-01 | 1.00 | 9.79E-01 | 9.93E-01 | 1.20 | 1.23E-02 | 4.67E-02 |
| 8068644 | *JAM4/IGSF5* | 1.03 | 5.03E-01 | 7.62E-01 | 1.01 | 6.05E-01 | 8.14E-01 | 0.99 | 7.33E-01 | 8.88E-01 | 0.87 | 6.79E-02 | 1.73E-01 |
| 7921713 | *JAMA/JAM1/F11R* | 0.99 | 7.76E-01 | 9.12E-01 | 1.12 | 4.60E-02 | 2.15E-01 | 0.99 | 8.90E-01 | 9.58E-01 | 0.90 | 1.04E-01 | 2.36E-01 |
| 8068024 | *JAMB/JAM2* | 1.29 | 7.65E-02 | 3.05E-01 | 0.93 | 5.52E-01 | 7.81E-01 | 0.78 | 1.27E-01 | 3.81E-01 | 1.17 | 3.20E-01 | 5.08E-01 |
| 7945262 | *JAMC/JAM3* | 0.92 | 3.92E-01 | 6.82E-01 | 0.86 | 5.45E-02 | 2.35E-01 | 0.76 | 1.85E-02 | 1.19E-01 | 1.05 | 6.45E-01 | 7.85E-01 |
| 8015412 | *JUP* | 0.94 | 2.32E-01 | 5.30E-01 | 1.08 | 1.94E-01 | 4.60E-01 | 0.90 | 2.12E-01 | 4.99E-01 | 0.87 | 4.44E-02 | 1.26E-01 |
| 8022176 | *LAMA1* | 1.01 | 8.95E-01 | 9.60E-01 | 1.00 | 9.06E-01 | 9.64E-01 | 0.86 | 1.49E-03 | 2.10E-02 | 0.96 | 3.54E-01 | 5.41E-01 |
| 8020551 | *LAMA3* | 0.95 | 5.79E-01 | 8.11E-01 | 1.15 | 9.89E-02 | 3.24E-01 | 1.26 | 4.94E-02 | 2.21E-01 | 1.15 | 8.88E-02 | 2.11E-01 |
| 8128991 | *LAMA4* | 1.39 | 4.20E-03 | 6.61E-02 | 0.72 | 1.58E-02 | 1.22E-01 | 0.70 | 7.65E-02 | 2.86E-01 | 0.82 | 1.05E-01 | 2.38E-01 |
| 8067409 | *LAMA5* | 1.03 | 5.54E-01 | 7.96E-01 | 0.93 | 1.09E-01 | 3.42E-01 | 0.86 | 3.28E-02 | 1.72E-01 | 1.14 | 4.40E-02 | 1.25E-01 |
| 8142194 | *LAMB1* | 1.60 | 2.16E-06 | 1.58E-03 | 0.91 | 1.67E-01 | 4.26E-01 | 0.94 | 4.87E-01 | 7.49E-01 | 0.87 | 3.77E-02 | 1.11E-01 |
| 8087337 | *LAMB2* | 1.22 | 2.87E-02 | 1.85E-01 | 1.02 | 7.70E-01 | 9.04E-01 | 0.96 | 6.53E-01 | 8.49E-01 | 1.33 | 1.53E-03 | 8.83E-03 |
| 7908041 | *LAMC1* | 1.37 | 2.91E-03 | 5.36E-02 | 0.73 | 8.40E-03 | 8.80E-02 | 0.75 | 9.55E-02 | 3.25E-01 | 1.02 | 8.91E-01 | 9.42E-01 |
| 7908072 | *LAMC2* | 1.20 | 1.43E-01 | 4.16E-01 | 1.07 | 6.55E-01 | 8.44E-01 | 0.85 | 4.46E-01 | 7.20E-01 | 0.83 | 1.88E-01 | 3.57E-01 |
| 8088602 | *MAGI1* | 0.96 | 5.98E-01 | 8.21E-01 | 1.28 | 4.71E-04 | 2.51E-02 | 1.21 | 3.80E-02 | 1.88E-01 | 0.90 | 1.25E-01 | 2.70E-01 |
| 8140504 | *MAGI2* | 1.03 | 6.18E-01 | 8.31E-01 | 1.02 | 5.86E-01 | 8.02E-01 | 0.99 | 8.57E-01 | 9.45E-01 | 0.95 | 3.91E-01 | 5.77E-01 |
| 7904106 | *MAGI3* | 1.05 | 5.09E-01 | 7.65E-01 | 1.28 | 2.56E-03 | 5.01E-02 | 0.92 | 4.94E-01 | 7.54E-01 | 0.85 | 4.24E-02 | 1.22E-01 |
| 8105899 | *MARVELD2* | 0.96 | 6.16E-01 | 8.31E-01 | 1.24 | 9.88E-02 | 3.24E-01 | 1.04 | 8.26E-01 | 9.32E-01 | 0.84 | 4.16E-02 | 1.20E-01 |
| 8177498 | *MARVELD2* | 0.96 | 6.16E-01 | 8.31E-01 | 1.24 | 9.88E-02 | 3.24E-01 | 1.04 | 8.26E-01 | 9.32E-01 | 0.84 | 4.16E-02 | 1.20E-01 |
| 7997158 | *MARVELD3* | 0.84 | 1.22E-02 | 1.16E-01 | 1.26 | 1.74E-02 | 1.29E-01 | 1.12 | 4.09E-01 | 6.91E-01 | 1.07 | 4.39E-01 | 6.22E-01 |
| 8120088 | *MEP1A* | 0.81 | 5.92E-02 | 2.67E-01 | 1.62 | 4.09E-02 | 2.01E-01 | 2.55 | 5.88E-03 | 5.49E-02 | 1.88 | 7.94E-12 | 6.98E-10 |
| 8123407 | *MLLT4/AF6* | 1.03 | 5.92E-01 | 8.18E-01 | 1.24 | 8.02E-04 | 3.02E-02 | 1.17 | 7.93E-02 | 2.93E-01 | 1.11 | 1.03E-01 | 2.34E-01 |
| 7975203 | *MPP5/PALS1* | 0.87 | 2.03E-01 | 4.97E-01 | 1.38 | 1.72E-03 | 4.24E-02 | 1.25 | 9.21E-02 | 3.19E-01 | 1.11 | 2.67E-01 | 4.52E-01 |
| 7920642 | *MUC1* | 4.17 | 7.29E-06 | 2.42E-03 | 0.49 | 1.22E-03 | 3.52E-02 | 0.44 | 1.98E-03 | 2.55E-02 | 0.13 | 4.86E-12 | 4.60E-10 |
| 8135031 | *MUC11/MUC12* | 1.27 | 2.39E-01 | 5.39E-01 | 1.08 | 7.58E-01 | 8.98E-01 | 0.26 | 1.00E-04 | 2.79E-03 | 0.22 | 1.75E-09 | 7.88E-08 |
| 8135033 | *MUC11/MUC12* | 1.28 | 2.23E-01 | 5.20E-01 | 1.10 | 7.00E-01 | 8.70E-01 | 0.28 | 2.72E-04 | 5.97E-03 | 0.24 | 6.78E-09 | 2.54E-07 |
| 8135037 | *MUC11/MUC12* | 1.48 | 1.70E-01 | 4.55E-01 | 0.93 | 8.22E-01 | 9.29E-01 | 0.08 | 1.34E-08 | 2.99E-06 | 0.06 | 2.37E-10 | 1.36E-08 |
| 8090180 | *MUC13* | 1.05 | 4.82E-01 | 7.49E-01 | 1.18 | 3.71E-01 | 6.44E-01 | 0.88 | 6.31E-01 | 8.37E-01 | 1.05 | 5.33E-01 | 7.01E-01 |
| 8101957 | *MUC14/EMCN* | 1.50 | 6.55E-04 | 2.37E-02 | 0.97 | 7.95E-01 | 9.16E-01 | 0.89 | 5.28E-01 | 7.75E-01 | 0.97 | 7.49E-01 | 8.56E-01 |
| 7939024 | *MUC15* | 0.96 | 4.21E-01 | 7.05E-01 | 0.99 | 7.77E-01 | 9.07E-01 | 0.99 | 9.10E-01 | 9.67E-01 | 0.98 | 7.04E-01 | 8.25E-01 |
| 7947156 | *MUC15* | 1.04 | 2.69E-01 | 5.71E-01 | 1.03 | 3.39E-01 | 6.13E-01 | 1.03 | 4.63E-01 | 7.32E-01 | 0.96 | 4.19E-01 | 6.04E-01 |
| 8033674 | *MUC16* | 0.99 | 8.44E-01 | 9.40E-01 | 0.96 | 2.67E-01 | 5.42E-01 | 1.12 | 4.32E-02 | 2.04E-01 | 1.07 | 1.85E-01 | 3.53E-01 |
| 8135048 | *MUC17* | 0.85 | 4.33E-01 | 7.14E-01 | 1.28 | 2.44E-01 | 5.18E-01 | 13.50 | 6.54E-12 | 8.70E-09 | 16.69 | 1.70E-13 | 2.45E-11 |
| 7952205 | *MUC18/MCAM* | 1.24 | 8.44E-02 | 3.20E-01 | 0.78 | 4.47E-02 | 2.11E-01 | 0.71 | 5.97E-02 | 2.47E-01 | 1.19 | 1.24E-01 | 2.67E-01 |
| 7954864 | *MUC19* | 0.94 | 9.00E-02 | 3.31E-01 | 0.97 | 3.64E-01 | 6.37E-01 | 1.00 | 9.38E-01 | 9.78E-01 | 0.97 | 3.10E-01 | 4.98E-01 |
| 7937560 | *MUC2* | 1.17 | 6.98E-02 | 2.91E-01 | 0.92 | 6.00E-01 | 8.11E-01 | 1.05 | 8.34E-01 | 9.36E-01 | 1.34 | 1.07E-02 | 4.18E-02 |
| 8084895 | *MUC20* | 1.25 | 2.72E-02 | 1.79E-01 | 1.13 | 2.19E-01 | 4.90E-01 | 0.59 | 4.02E-04 | 7.93E-03 | 0.44 | 2.84E-07 | 6.38E-06 |
| 8118069 | *MUC21* | 1.02 | 6.86E-01 | 8.69E-01 | 0.93 | 8.80E-02 | 3.04E-01 | 1.01 | 8.60E-01 | 9.45E-01 | 0.93 | 1.61E-01 | 3.21E-01 |
| 8177931 | *MUC21* | 1.03 | 5.88E-01 | 8.16E-01 | 0.93 | 9.20E-02 | 3.11E-01 | 1.01 | 8.14E-01 | 9.27E-01 | 0.95 | 3.02E-01 | 4.89E-01 |
| 8179224 | *MUC21* | 1.06 | 2.49E-01 | 5.49E-01 | 0.92 | 7.79E-02 | 2.84E-01 | 1.01 | 9.18E-01 | 9.70E-01 | 0.89 | 5.27E-02 | 1.43E-01 |
| 8135015 | *MUC3A/MUC3B* | 0.92 | 5.23E-01 | 7.76E-01 | 1.46 | 2.53E-02 | 1.56E-01 | 3.12 | 4.73E-06 | 2.76E-04 | 4.54 | 1.45E-14 | 2.79E-12 |
| 8092978 | *MUC4* | 2.81 | 6.44E-04 | 2.35E-02 | 0.60 | 3.31E-02 | 1.79E-01 | 0.29 | 4.14E-05 | 1.43E-03 | 0.11 | 1.96E-13 | 2.76E-11 |
| 7937612 | *MUC5B* | 1.13 | 6.53E-01 | 8.52E-01 | 0.45 | 8.63E-03 | 8.91E-02 | 0.15 | 1.17E-05 | 5.38E-04 | 0.15 | 4.26E-09 | 1.70E-07 |
| 7945595 | *MUC6* | 1.50 | 8.00E-02 | 3.12E-01 | 0.39 | 1.36E-02 | 1.12E-01 | 4.02 | 8.17E-03 | 6.87E-02 | 1.01 | 8.80E-01 | 9.36E-01 |
| 8095504 | *MUC7* | 1.05 | 3.07E-01 | 6.09E-01 | 0.98 | 6.97E-01 | 8.68E-01 | 1.08 | 2.05E-01 | 4.90E-01 | 0.93 | 2.24E-01 | 4.01E-01 |
| 7918504 | *MUC9/OVGP1* | 0.94 | 1.61E-01 | 4.41E-01 | 0.98 | 5.60E-01 | 7.86E-01 | 0.99 | 7.89E-01 | 9.16E-01 | 0.95 | 3.73E-01 | 5.61E-01 |
| 8160088 | *MUPP1/MPDZ* | 1.19 | 7.03E-02 | 2.92E-01 | 0.80 | 3.51E-02 | 1.84E-01 | 0.81 | 1.65E-01 | 4.37E-01 | 0.98 | 8.59E-01 | 9.24E-01 |
| 8058604 | *MYL1* | 0.97 | 4.66E-01 | 7.38E-01 | 1.01 | 7.21E-01 | 8.80E-01 | 1.01 | 7.53E-01 | 8.97E-01 | 0.99 | 8.36E-01 | 9.10E-01 |
| 8141737 | *MYL10* | 0.91 | 4.10E-02 | 2.21E-01 | 0.98 | 4.36E-01 | 6.96E-01 | 1.05 | 1.58E-01 | 4.27E-01 | 1.01 | 8.68E-01 | 9.29E-01 |
| 8019924 | *MYL12A* | 0.95 | 2.48E-01 | 5.48E-01 | 0.94 | 9.26E-02 | 3.13E-01 | 0.95 | 3.13E-01 | 6.09E-01 | 0.80 | 2.34E-04 | 1.89E-03 |
| 8019930 | *MYL12B* | 0.99 | 8.15E-01 | 9.28E-01 | 1.03 | 4.73E-01 | 7.25E-01 | 0.98 | 6.25E-01 | 8.34E-01 | 0.88 | 6.48E-03 | 2.81E-02 |
| 7966379 | *MYL2* | 0.99 | 7.77E-01 | 9.13E-01 | 1.07 | 4.06E-02 | 2.00E-01 | 1.02 | 7.16E-01 | 8.80E-01 | 1.09 | 9.04E-02 | 2.14E-01 |
| 8086689 | *MYL3* | 0.93 | 1.11E-01 | 3.66E-01 | 0.97 | 3.65E-01 | 6.38E-01 | 1.10 | 2.07E-02 | 1.28E-01 | 1.06 | 1.70E-01 | 3.34E-01 |
| 8007921 | *MYL4* | 1.02 | 6.52E-01 | 8.51E-01 | 0.98 | 6.82E-01 | 8.59E-01 | 1.22 | 9.26E-05 | 2.65E-03 | 1.21 | 2.93E-03 | 1.49E-02 |
| 8093386 | *MYL5* | 1.06 | 2.68E-01 | 5.69E-01 | 1.14 | 7.17E-04 | 2.90E-02 | 1.03 | 5.67E-01 | 7.99E-01 | 0.95 | 4.18E-01 | 6.03E-01 |
| 7956211 | *MYL6* | 1.11 | 4.67E-02 | 2.37E-01 | 0.98 | 4.88E-01 | 7.36E-01 | 0.93 | 2.71E-02 | 1.53E-01 | 0.76 | 5.96E-06 | 8.62E-05 |
| 7956200 | *MYL6B* | 1.03 | 4.45E-01 | 7.24E-01 | 1.00 | 9.48E-01 | 9.81E-01 | 1.01 | 7.07E-01 | 8.76E-01 | 1.01 | 8.07E-01 | 8.92E-01 |
| 8139307 | *MYL7* | 0.93 | 1.16E-01 | 3.74E-01 | 0.93 | 1.07E-01 | 3.38E-01 | 1.03 | 6.61E-01 | 8.53E-01 | 0.95 | 3.12E-01 | 5.00E-01 |
| 8062312 | *MYL9* | 0.82 | 4.19E-02 | 2.24E-01 | 0.98 | 7.43E-01 | 8.91E-01 | 0.96 | 6.76E-01 | 8.61E-01 | 1.34 | 3.90E-03 | 1.88E-02 |
| 8090098 | *MYLK1/MLCK1* | 1.00 | 9.75E-01 | 9.91E-01 | 1.02 | 8.39E-01 | 9.37E-01 | 0.73 | 2.66E-03 | 3.18E-02 | 0.62 | 4.63E-05 | 4.89E-04 |
| 8026638 | *MYO9B* | 1.06 | 3.59E-01 | 6.55E-01 | 0.89 | 2.44E-02 | 1.53E-01 | 0.91 | 1.95E-01 | 4.77E-01 | 0.89 | 7.16E-02 | 1.80E-01 |
| 8105908 | *OCLN* | 0.93 | 4.59E-01 | 7.33E-01 | 1.23 | 9.67E-02 | 3.20E-01 | 1.01 | 9.34E-01 | 9.76E-01 | 0.73 | 2.89E-03 | 1.48E-02 |
| 7933010 | *PARD3* | 1.11 | 5.26E-02 | 2.52E-01 | 1.06 | 2.61E-01 | 5.36E-01 | 0.89 | 1.19E-01 | 3.67E-01 | 0.71 | 1.11E-06 | 2.02E-05 |
| 7908672 | *PKP1* | 0.93 | 1.40E-01 | 4.11E-01 | 1.03 | 4.28E-01 | 6.89E-01 | 1.06 | 2.27E-01 | 5.17E-01 | 1.03 | 6.32E-01 | 7.75E-01 |
| 7962212 | *PKP2* | 1.40 | 5.20E-04 | 2.09E-02 | 1.04 | 7.13E-01 | 8.76E-01 | 0.62 | 2.62E-03 | 3.14E-02 | 0.39 | 8.46E-13 | 9.81E-11 |
| 7937363 | *PKP3* | 1.02 | 7.85E-01 | 9.16E-01 | 1.05 | 3.67E-01 | 6.40E-01 | 0.84 | 4.03E-02 | 1.95E-01 | 0.84 | 1.75E-02 | 6.15E-02 |
| 8045860 | *PKP4* | 1.14 | 3.73E-02 | 2.11E-01 | 0.87 | 6.61E-03 | 7.76E-02 | 0.99 | 9.15E-01 | 9.68E-01 | 0.97 | 5.47E-01 | 7.11E-01 |
| 8153568 | *PLEC* | 0.97 | 6.04E-01 | 8.24E-01 | 1.00 | 9.43E-01 | 9.79E-01 | 0.89 | 4.41E-02 | 2.06E-01 | 1.09 | 1.64E-01 | 3.26E-01 |
| 7946781 | *PLEKHA7* | 1.04 | 5.11E-01 | 7.67E-01 | 1.20 | 2.90E-02 | 1.67E-01 | 1.14 | 2.59E-01 | 5.54E-01 | 1.20 | 5.97E-03 | 2.63E-02 |
| 7999253 | *PPL* | 0.83 | 1.48E-02 | 1.28E-01 | 1.07 | 1.12E-01 | 3.46E-01 | 1.04 | 5.02E-01 | 7.58E-01 | 1.33 | 1.77E-03 | 9.95E-03 |
| 8105067 | *PTGER4* | 1.06 | 4.43E-01 | 7.22E-01 | 0.93 | 1.80E-01 | 4.42E-01 | 1.05 | 4.77E-01 | 7.42E-01 | 0.90 | 1.34E-01 | 2.83E-01 |
| 8022393 | *PTPN2* | 1.18 | 6.43E-03 | 8.24E-02 | 0.94 | 3.21E-01 | 5.96E-01 | 0.83 | 2.85E-02 | 1.58E-01 | 0.73 | 9.18E-05 | 8.63E-04 |
| 8089394 | *RELMB/FIZZ2/RETNLB* | 1.07 | 7.67E-01 | 9.09E-01 | 1.10 | 6.38E-01 | 8.34E-01 | 0.44 | 4.19E-03 | 4.38E-02 | 0.54 | 3.89E-02 | 1.14E-01 |
| 8087409 | *RHOA* | 0.99 | 8.47E-01 | 9.41E-01 | 0.96 | 1.17E-01 | 3.55E-01 | 0.92 | 1.37E-02 | 9.75E-02 | 0.92 | 1.45E-02 | 5.30E-02 |
| 8020382 | *ROCK1* | 1.20 | 1.26E-02 | 1.18E-01 | 1.05 | 4.28E-01 | 6.89E-01 | 0.77 | 6.46E-03 | 5.85E-02 | 0.78 | 5.83E-03 | 2.59E-02 |
| 8022441 | *ROCK1* | 1.17 | 9.13E-02 | 3.34E-01 | 0.95 | 3.65E-01 | 6.38E-01 | 0.95 | 4.82E-01 | 7.46E-01 | 0.82 | 1.04E-01 | 2.36E-01 |
| 8050302 | *ROCK2* | 1.05 | 4.71E-01 | 7.42E-01 | 1.04 | 4.05E-01 | 6.72E-01 | 0.76 | 3.68E-04 | 7.42E-03 | 0.60 | 4.51E-07 | 9.31E-06 |
| 8037695 | *SYMPK* | 0.95 | 1.55E-01 | 4.33E-01 | 1.01 | 8.37E-01 | 9.36E-01 | 0.97 | 4.43E-01 | 7.17E-01 | 1.12 | 9.20E-03 | 3.70E-02 |
| 8023415 | *TCF4* | 0.82 | 2.65E-01 | 5.67E-01 | 0.69 | 1.25E-02 | 1.07E-01 | 0.76 | 2.09E-01 | 4.96E-01 | 1.50 | 9.68E-02 | 2.24E-01 |
| 8070579 | *TFF1* | 1.57 | 8.60E-03 | 9.68E-02 | 0.62 | 1.15E-02 | 1.03E-01 | 1.09 | 7.24E-01 | 8.84E-01 | 0.84 | 3.28E-01 | 5.17E-01 |
| 8070574 | *TFF2* | 1.15 | 1.51E-01 | 4.27E-01 | 0.67 | 5.78E-02 | 2.43E-01 | 1.34 | 3.21E-01 | 6.17E-01 | 0.88 | 3.32E-02 | 1.01E-01 |
| 8070567 | *TFF3* | 0.93 | 4.77E-01 | 7.45E-01 | 0.73 | 1.01E-02 | 9.60E-02 | 0.81 | 2.05E-01 | 4.91E-01 | 0.94 | 6.01E-01 | 7.52E-01 |
| 7986977 | *TJP1/ZO1* | 0.96 | 5.13E-01 | 7.69E-01 | 1.07 | 9.97E-02 | 3.26E-01 | 1.00 | 9.76E-01 | 9.92E-01 | 0.78 | 1.45E-03 | 8.41E-03 |
| 8155707 | *TJP2/ZO2* | 0.99 | 7.94E-01 | 9.20E-01 | 1.12 | 3.76E-02 | 1.92E-01 | 1.09 | 2.48E-01 | 5.41E-01 | 1.06 | 3.60E-01 | 5.48E-01 |
| 8024687 | *TJP3/ZO3* | 1.05 | 3.63E-01 | 6.58E-01 | 1.19 | 5.07E-02 | 2.26E-01 | 0.94 | 6.15E-01 | 8.28E-01 | 0.76 | 1.89E-04 | 1.58E-03 |
| 7962689 | *VDR* | 0.96 | 3.97E-01 | 6.86E-01 | 1.25 | 4.96E-04 | 2.58E-02 | 1.31 | 6.00E-03 | 5.57E-02 | 1.04 | 5.44E-01 | 7.09E-01 |

|  |  |
| --- | --- |
|  | >2FC and FDR<0.05 |
|  | FDR<0.05 |

For UC patients, only colon tissue samples were used.

IBDc, colon from IBD patients; CDi, ileum from CD patients; CDc, colon from CD patients; n, number; FC, fold change; FDR, false discovery rate.

**Supplementary Table 8: Enrichment analysis of differentially expressed genes in barrier components**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Barrier component** | **Active colon IBD versus controls** | | | | **Active ileum CD versus controls** | | | | **Inactive ileum CD versus controls** | | | |
| **Significant n genes** | **Total n genes** | **% significant genes** | **P** | **Significant n genes** | **Total n genes** | **% significant genes** | **P** | **Significant n genes** | **Total n genes** | **% significant genes** | **P** |
| Mucus layer | 6 | 22 | 27.27 | **4.97E-02** | 5 | 22 | 22.73 | **8.54E-03** | 2 | 22 | 9.09 | 7.97E-02 |
| Tight junctions | 4 | 34 | 11.76 | 7.38E-01 | 3 | 34 | 8.82 | 4.63E-01 | 1 | 34 | 2.94 | 6.18E-01 |
| Adherens junctions | 0 | 5 | 0.00 | 1.00E+00 | 0 | 5 | 0.00 | 1.00E+00 | 0 | 5 | 0.00 | 1.00E+00 |
| Desmosomes | 1 | 14 | 7.14 | 8.86E-01 | 0 | 14 | 0.00 | 1.00E+00 | 0 | 14 | 0.00 | 1.00E+00 |
| Hemidesmosomes | 0 | 4 | 0.00 | 1.00E+00 | 0 | 4 | 0.00 | 1.00E+00 | 0 | 4 | 0.00 | 1.00E+00 |
| Cytoskeleton | 0 | 17 | 0.00 | 1.00E+00 | 0 | 17 | 0.00 | 1.00E+00 | 0 | 17 | 0.00 | 1.00E+00 |
| Extracellular matrix | 2 | 9 | 22.22 | 3.53E-01 | 0 | 9 | 0.00 | 1.00E+00 | 0 | 9 | 0.00 | 1.00E+00 |
| Regulating proteins | 4 | 20 | 20.00 | 2.76E-01 | 1 | 20 | 5.00 | 8.03E-01 | 0 | 20 | 0.00 | 1.00E+00 |

Significant P are indicated in bold.

IBD, inflammatory bowel disease; CD, Crohn's disease; n, number.

**Supplementary Table 9: Spearman's Rank Correlation tests between the dysregulated genes and the inflammatory marker *IL8***

|  |  |  |
| --- | --- | --- |
| **Upregulated genes colon (n=116)** | **Correlation coëfficient** | **P** |
| *MUC1*\_7920642 | 0.36 | **<0.001** |
| *MUC5B*\_7937612 | 0.29 | **0.002** |
| *EMCN*\_8101957 | 0.45 | **<0.001** |
| *MCAM*\_7952205 | 0.69 | **<0.001** |
| *TFF1*\_8070579 | 0.48 | **<0.001** |
| *CLDN1*\_8092726 | 0.63 | **<0.001** |
| *JAM2*\_8068024 | 0.31 | **0.001** |
| *DSG3*\_8020762 | 0.62 | **<0.001** |
| *LAMA4*\_8128991 | 0.49 | **<0.001** |
| *LAMC1*\_7908041 | 0.71 | **<0.001** |
| *TCF4*\_8023415 | 0.61 | **<0.001** |
| *F2RL2*\_8112731 | 0.54 | **<0.001** |
| **Upregulated genes ileum (n=78)** | **Correlation coëfficient** | **P** |
| *MUC1*\_7920642 | 0.68 | **<0.001** |
| *MUC4*\_8092978 | 0.57 | **<0.001** |
| *MUC5B*\_7937612 | 0.52 | **<0.001** |
| *MUC6*\_7945595 | 0.51 | **<0.001** |
| *TFF1*\_8070579 | 0.60 | **<0.001** |
| *CLDN1*\_8092726 | 0.70 | **<0.001** |
| *CLDN18*\_8082928 | 0.52 | **<0.001** |
| *F2RL2*\_8112731 | 0.58 | **<0.001** |
| **Downregulated genes colon (n=116)** | **Correlation coëfficient** | **P** |
| *RETNLB*\_8089394 | -0.73 | **<0.001** |
| *CLDN8*\_8069795 | -0.68 | **<0.001** |
| *OCLN*\_8105908 | -0.62 | **<0.001** |
| *MAGI1*\_8088602 | -0.82 | **<0.001** |
| *MEP1A*\_8120088 | -0.69 | **<0.001** |
| **Downregulated genes ileum (n=78)** | **Correlation coëfficient** | **P** |
| *CLDN8*\_8069795 | -0.54 | **<0.001** |

Each gene is indicated with its probeset identifier. Significant P are indicated in bold.

n, number.

**Supplementary Table 10: Comparisons for the selected barrier genes before and after treatment with infliximab**

[groups: IBDc/UC/CDc/CDi/controls and responders/non-responders]

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Probeset ID** | **Gene symbol** | **UC before therapy (n=24)  versus  control colons (n=6)** | | | **CDc before therapy (n=19)  versus control colons (n=6)** | | | **IBDc before therapy (n=43)  versus control colons (n=6)** | | | **CDi before therapy (n=18)  versus  control ileums (n=6)** | | |
|
|
| **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** |
| 209521\_s\_at | *AMOT* | 1.05 | 4.64E-01 | 6.44E-01 | 1.09 | 2.03E-01 | 3.96E-01 | 1.07 | 3.14E-01 | 4.99E-01 | 1.04 | 5.14E-01 | 7.74E-01 |
| 225450\_at | *AMOTL1* | 1.34 | 5.43E-02 | 1.47E-01 | 1.31 | 1.25E-01 | 2.88E-01 | 1.32 | 7.59E-02 | 1.86E-01 | 1.20 | 2.08E-01 | 5.16E-01 |
| 225459\_at | *AMOTL1* | 1.09 | 2.49E-01 | 4.27E-01 | 1.05 | 4.10E-01 | 6.13E-01 | 1.07 | 2.96E-01 | 4.81E-01 | 1.08 | 3.80E-01 | 6.77E-01 |
| 228840\_at | *AMOTL1* | 0.90 | 1.29E-01 | 2.72E-01 | 0.91 | 2.75E-01 | 4.80E-01 | 0.91 | 1.56E-01 | 3.11E-01 | 1.09 | 3.06E-01 | 6.14E-01 |
| 235277\_at | *AMOTL1* | 0.84 | 1.19E-03 | 8.13E-03 | 0.79 | 4.72E-04 | 5.56E-03 | 0.81 | 2.05E-04 | 2.05E-03 | 0.96 | 4.81E-01 | 7.53E-01 |
| 203002\_at | *AMOTL2* | 1.90 | 3.43E-04 | 3.07E-03 | 1.44 | 1.91E-02 | 7.79E-02 | 1.68 | 1.46E-03 | 9.44E-03 | 1.01 | 8.80E-01 | 9.57E-01 |
| 201130\_s\_at | *CDH1* | 0.44 | 1.45E-03 | 9.50E-03 | 0.36 | 5.65E-03 | 3.26E-02 | 0.41 | 2.23E-03 | 1.31E-02 | 0.83 | 5.47E-01 | 7.95E-01 |
| 201131\_s\_at | *CDH1* | 0.78 | 8.05E-03 | 3.53E-02 | 0.79 | 3.26E-03 | 2.20E-02 | 0.78 | 3.95E-03 | 2.03E-02 | 1.05 | 4.71E-01 | 7.45E-01 |
| 223232\_s\_at | *CGN* | 0.67 | 6.03E-02 | 1.58E-01 | 0.79 | 2.03E-01 | 3.96E-01 | 0.72 | 1.01E-01 | 2.28E-01 | 1.03 | 8.23E-01 | 9.33E-01 |
| 223233\_s\_at | *CGN* | 0.58 | 7.84E-04 | 5.88E-03 | 0.65 | 3.95E-03 | 2.51E-02 | 0.61 | 8.46E-04 | 6.21E-03 | 0.91 | 4.13E-01 | 7.04E-01 |
| 1569847\_at | *CGNL1* | 0.98 | 7.14E-01 | 8.32E-01 | 1.03 | 6.37E-01 | 7.89E-01 | 1.00 | 9.72E-01 | 9.85E-01 | 1.06 | 3.14E-01 | 6.21E-01 |
| 225817\_at | *CGNL1* | 1.19 | 3.49E-01 | 5.35E-01 | 1.22 | 2.79E-01 | 4.85E-01 | 1.20 | 2.95E-01 | 4.80E-01 | 0.94 | 5.58E-01 | 8.01E-01 |
| 218182\_s\_at | *CLDN1* | 2.20 | 3.38E-05 | 4.81E-04 | 1.79 | 3.69E-03 | 2.39E-02 | 2.01 | 2.51E-04 | 2.41E-03 | 1.21 | 4.11E-02 | 2.27E-01 |
| 222549\_at | *CLDN1* | 6.49 | 2.98E-09 | 2.79E-07 | 4.91 | 1.99E-07 | 2.53E-05 | 5.74 | 9.64E-10 | 1.03E-07 | 2.84 | 5.72E-05 | 4.47E-03 |
| 1556687\_a\_at | *CLDN10* | 1.01 | 7.86E-01 | 8.78E-01 | 0.99 | 7.68E-01 | 8.75E-01 | 1.00 | 9.71E-01 | 9.85E-01 | 1.10 | 1.60E-01 | 4.54E-01 |
| 205328\_at | *CLDN10* | 1.19 | 1.69E-02 | 6.17E-02 | 1.19 | 6.74E-02 | 1.88E-01 | 1.19 | 2.76E-02 | 8.85E-02 | 1.00 | 9.80E-01 | 9.92E-01 |
| 206908\_s\_at | *CLDN11* | 0.88 | 1.55E-01 | 3.09E-01 | 0.84 | 6.17E-02 | 1.77E-01 | 0.86 | 6.45E-02 | 1.66E-01 | 0.91 | 2.57E-01 | 5.70E-01 |
| 228335\_at | *CLDN11* | 1.37 | 2.34E-02 | 7.88E-02 | 1.33 | 1.19E-01 | 2.78E-01 | 1.35 | 5.57E-02 | 1.49E-01 | 1.15 | 4.96E-01 | 7.62E-01 |
| 223249\_at | *CLDN12* | 2.00 | 5.86E-06 | 1.17E-04 | 1.72 | 1.01E-04 | 1.83E-03 | 1.87 | 5.11E-06 | 1.07E-04 | 1.34 | 3.46E-02 | 2.07E-01 |
| 210689\_at | *CLDN14* | 1.48 | 3.28E-04 | 2.96E-03 | 1.29 | 1.84E-02 | 7.61E-02 | 1.39 | 1.65E-03 | 1.04E-02 | 1.02 | 7.59E-01 | 9.05E-01 |
| 1552845\_at | *CLDN15* | 0.97 | 7.02E-01 | 8.25E-01 | 0.99 | 9.54E-01 | 9.77E-01 | 0.98 | 8.26E-01 | 9.03E-01 | 0.76 | 1.14E-01 | 3.86E-01 |
| 219640\_at | *CLDN15* | 0.70 | 4.97E-04 | 4.12E-03 | 0.72 | 1.48E-04 | 2.41E-03 | 0.71 | 1.04E-04 | 1.21E-03 | 0.59 | 9.97E-02 | 3.62E-01 |
| 220332\_at | *CLDN16* | 1.01 | 9.03E-01 | 9.48E-01 | 1.05 | 5.88E-01 | 7.55E-01 | 1.03 | 7.53E-01 | 8.57E-01 | 1.02 | 6.95E-01 | 8.74E-01 |
| 221328\_at | *CLDN17* | 1.11 | 1.67E-01 | 3.24E-01 | 1.08 | 2.77E-01 | 4.82E-01 | 1.10 | 1.89E-01 | 3.55E-01 | 1.12 | 1.08E-01 | 3.76E-01 |
| 214135\_at | *CLDN18* | 1.78 | 4.59E-02 | 1.30E-01 | 1.89 | 1.11E-01 | 2.65E-01 | 1.83 | 7.58E-02 | 1.86E-01 | 5.48 | 1.68E-03 | 3.48E-02 |
| 221132\_at | *CLDN18* | 1.06 | 6.80E-01 | 8.10E-01 | 1.22 | 4.86E-01 | 6.78E-01 | 1.13 | 5.79E-01 | 7.36E-01 | 2.04 | 9.21E-02 | 3.47E-01 |
| 221133\_s\_at | *CLDN18* | 1.36 | 8.59E-02 | 2.04E-01 | 1.38 | 2.86E-01 | 4.92E-01 | 1.37 | 1.90E-01 | 3.57E-01 | 2.67 | 2.28E-02 | 1.65E-01 |
| 232578\_at | *CLDN18* | 1.55 | 1.40E-01 | 2.87E-01 | 1.73 | 2.22E-01 | 4.20E-01 | 1.63 | 1.90E-01 | 3.56E-01 | 5.27 | 9.30E-03 | 9.85E-02 |
| 1552535\_at | *CLDN19* | 1.01 | 8.02E-01 | 8.88E-01 | 1.00 | 9.91E-01 | 9.95E-01 | 1.01 | 9.08E-01 | 9.51E-01 | 1.15 | 4.14E-02 | 2.28E-01 |
| 1554804\_a\_at | *CLDN19* | 1.03 | 7.25E-01 | 8.40E-01 | 0.95 | 5.34E-01 | 7.15E-01 | 0.99 | 9.04E-01 | 9.48E-01 | 1.00 | 9.72E-01 | 9.90E-01 |
| 1554805\_at | *CLDN19* | 0.78 | 1.13E-02 | 4.55E-02 | 0.75 | 4.69E-04 | 5.54E-03 | 0.77 | 1.99E-03 | 1.20E-02 | 1.00 | 9.98E-01 | 9.99E-01 |
| 223509\_at | *CLDN2* | 2.95 | 1.70E-06 | 4.36E-05 | 2.10 | 4.90E-04 | 5.71E-03 | 2.54 | 1.93E-05 | 3.15E-04 | 1.11 | 7.16E-01 | 8.85E-01 |
| 1554812\_at | *CLDN20* | 1.03 | 4.98E-01 | 6.72E-01 | 1.08 | 2.00E-01 | 3.92E-01 | 1.06 | 3.12E-01 | 4.97E-01 | 0.96 | 4.62E-01 | 7.38E-01 |
| 222738\_at | *CLDN22* | 1.15 | 9.59E-02 | 2.21E-01 | 1.10 | 3.12E-01 | 5.19E-01 | 1.13 | 1.48E-01 | 3.00E-01 | 1.13 | 1.45E-01 | 4.33E-01 |
| 228704\_s\_at | *CLDN23* | 0.79 | 2.44E-02 | 8.12E-02 | 0.84 | 1.54E-01 | 3.31E-01 | 0.81 | 3.63E-02 | 1.09E-01 | 0.88 | 2.04E-01 | 5.11E-01 |
| 228706\_s\_at | *CLDN23* | 0.31 | 1.66E-06 | 4.28E-05 | 0.42 | 5.62E-04 | 6.30E-03 | 0.35 | 1.22E-05 | 2.17E-04 | 0.71 | 1.18E-01 | 3.92E-01 |
| 228707\_at | *CLDN23* | 0.42 | 2.18E-05 | 3.36E-04 | 0.52 | 1.10E-03 | 1.02E-02 | 0.46 | 7.03E-05 | 8.80E-04 | 0.81 | 2.81E-01 | 5.92E-01 |
| 203953\_s\_at | *CLDN3* | 0.56 | 6.01E-04 | 4.79E-03 | 0.57 | 5.20E-04 | 5.96E-03 | 0.57 | 2.74E-04 | 2.58E-03 | 0.81 | 2.02E-01 | 5.09E-01 |
| 203954\_x\_at | *CLDN3* | 0.68 | 6.85E-03 | 3.12E-02 | 0.70 | 6.05E-03 | 3.42E-02 | 0.69 | 4.52E-03 | 2.25E-02 | 0.93 | 5.86E-01 | 8.17E-01 |
| 1569421\_at | *CLDN4* | 0.91 | 1.67E-01 | 3.25E-01 | 0.92 | 3.87E-01 | 5.92E-01 | 0.92 | 2.50E-01 | 4.30E-01 | 1.14 | 4.52E-02 | 2.39E-01 |
| 201428\_at | *CLDN4* | 0.68 | 5.00E-03 | 2.45E-02 | 0.67 | 6.13E-03 | 3.45E-02 | 0.68 | 4.03E-03 | 2.06E-02 | 0.77 | 6.71E-02 | 2.95E-01 |
| 204482\_at | *CLDN5* | 1.12 | 3.53E-01 | 5.40E-01 | 1.11 | 2.97E-01 | 5.03E-01 | 1.12 | 3.23E-01 | 5.09E-01 | 1.31 | 1.49E-02 | 1.30E-01 |
| 208474\_at | *CLDN6* | 0.70 | 1.22E-04 | 1.35E-03 | 0.67 | 3.46E-07 | 3.75E-05 | 0.69 | 2.44E-06 | 5.81E-05 | 0.88 | 1.41E-01 | 4.28E-01 |
| 237810\_at | *CLDN6* | 0.99 | 8.34E-01 | 9.08E-01 | 0.96 | 5.39E-01 | 7.19E-01 | 0.98 | 6.78E-01 | 8.09E-01 | 1.02 | 6.66E-01 | 8.60E-01 |
| 202790\_at | *CLDN7* | 0.82 | 1.02E-01 | 2.30E-01 | 0.92 | 4.77E-01 | 6.70E-01 | 0.86 | 2.15E-01 | 3.87E-01 | 0.85 | 1.19E-01 | 3.94E-01 |
| 214598\_at | *CLDN8* | 0.04 | 4.81E-07 | 1.55E-05 | 0.14 | 9.68E-03 | 4.81E-02 | 0.07 | 6.40E-05 | 8.16E-04 | 0.28 | 9.30E-05 | 6.06E-03 |
| 214635\_at | *CLDN9* | 0.81 | 2.57E-02 | 8.43E-02 | 0.73 | 1.62E-04 | 2.57E-03 | 0.78 | 3.05E-03 | 1.67E-02 | 0.92 | 4.18E-01 | 7.08E-01 |
| 1558214\_s\_at | *CTNNA1* | 0.65 | 5.49E-02 | 1.48E-01 | 0.58 | 4.48E-02 | 1.41E-01 | 0.62 | 4.24E-02 | 1.22E-01 | 1.03 | 9.08E-01 | 9.67E-01 |
| 200764\_s\_at | *CTNNA1* | 0.88 | 1.85E-01 | 3.48E-01 | 0.85 | 5.84E-02 | 1.70E-01 | 0.87 | 9.97E-02 | 2.27E-01 | 1.13 | 1.41E-01 | 4.26E-01 |
| 200765\_x\_at | *CTNNA1* | 0.96 | 6.99E-01 | 8.23E-01 | 0.95 | 4.91E-01 | 6.82E-01 | 0.96 | 6.04E-01 | 7.56E-01 | 1.26 | 1.83E-03 | 3.66E-02 |
| 210844\_x\_at | *CTNNA1* | 0.98 | 8.43E-01 | 9.12E-01 | 0.95 | 5.23E-01 | 7.07E-01 | 0.97 | 7.06E-01 | 8.27E-01 | 1.21 | 1.93E-02 | 1.51E-01 |
| 215883\_at | *CTNNA1* | 1.03 | 7.04E-01 | 8.26E-01 | 1.06 | 6.57E-01 | 8.03E-01 | 1.04 | 6.89E-01 | 8.16E-01 | 1.13 | 1.97E-01 | 5.02E-01 |
| 1554411\_at | *CTNNB1* | 0.75 | 3.55E-01 | 5.42E-01 | 0.56 | 1.09E-01 | 2.62E-01 | 0.66 | 2.00E-01 | 3.69E-01 | 0.70 | 2.32E-01 | 5.43E-01 |
| 201533\_at | *CTNNB1* | 0.99 | 9.43E-01 | 9.69E-01 | 0.93 | 5.25E-01 | 7.09E-01 | 0.96 | 7.38E-01 | 8.48E-01 | 0.90 | 3.41E-01 | 6.45E-01 |
| 223679\_at | *CTNNB1* | 1.81 | 3.09E-04 | 2.82E-03 | 1.68 | 3.84E-03 | 2.46E-02 | 1.75 | 3.08E-04 | 2.82E-03 | 1.46 | 8.08E-03 | 9.04E-02 |
| 1557944\_s\_at | *CTNND1* | 0.80 | 5.56E-02 | 1.49E-01 | 0.87 | 2.20E-01 | 4.17E-01 | 0.83 | 9.54E-02 | 2.19E-01 | 0.97 | 8.26E-01 | 9.35E-01 |
| 208407\_s\_at | *CTNND1* | 0.56 | 3.03E-06 | 6.86E-05 | 0.70 | 3.20E-05 | 8.20E-04 | 0.62 | 1.21E-05 | 2.17E-04 | 1.04 | 5.97E-01 | 8.24E-01 |
| 208862\_s\_at | *CTNND1* | 0.77 | 2.48E-02 | 8.22E-02 | 0.82 | 2.76E-02 | 1.01E-01 | 0.79 | 2.15E-02 | 7.35E-02 | 0.96 | 7.31E-01 | 8.92E-01 |
| 211240\_x\_at | *CTNND1* | 0.73 | 2.81E-03 | 1.57E-02 | 0.78 | 7.72E-03 | 4.09E-02 | 0.75 | 3.00E-03 | 1.64E-02 | 1.01 | 8.95E-01 | 9.62E-01 |
| 1555716\_a\_at | *CXADR* | 0.56 | 3.66E-03 | 1.93E-02 | 0.49 | 3.47E-03 | 2.29E-02 | 0.53 | 2.77E-03 | 1.54E-02 | 0.39 | 6.79E-05 | 5.00E-03 |
| 203917\_at | *CXADR* | 0.78 | 1.25E-01 | 2.66E-01 | 0.77 | 1.44E-02 | 6.38E-02 | 0.77 | 6.14E-02 | 1.60E-01 | 0.92 | 5.01E-01 | 7.65E-01 |
| 207324\_s\_at | *DSC1* | 0.98 | 6.93E-01 | 8.19E-01 | 0.97 | 6.74E-01 | 8.14E-01 | 0.98 | 6.68E-01 | 8.02E-01 | 1.01 | 8.61E-01 | 9.50E-01 |
| 204750\_s\_at | *DSC2* | 1.04 | 8.09E-01 | 8.92E-01 | 1.01 | 9.33E-01 | 9.67E-01 | 1.03 | 8.58E-01 | 9.22E-01 | 0.91 | 5.07E-01 | 7.70E-01 |
| 204751\_x\_at | *DSC2* | 0.62 | 7.87E-03 | 3.47E-02 | 0.59 | 6.43E-03 | 3.57E-02 | 0.61 | 5.26E-03 | 2.52E-02 | 0.75 | 4.57E-02 | 2.40E-01 |
| 226817\_at | *DSC2* | 0.72 | 8.14E-03 | 3.56E-02 | 0.75 | 6.41E-03 | 3.57E-02 | 0.73 | 5.83E-03 | 2.73E-02 | 0.75 | 3.07E-03 | 5.03E-02 |
| 206032\_at | *DSC3* | 1.02 | 7.06E-01 | 8.27E-01 | 1.02 | 7.66E-01 | 8.73E-01 | 1.02 | 7.10E-01 | 8.29E-01 | 1.10 | 6.43E-02 | 2.88E-01 |
| 206033\_s\_at | *DSC3* | 0.98 | 6.74E-01 | 8.06E-01 | 0.93 | 1.55E-01 | 3.31E-01 | 0.96 | 3.66E-01 | 5.51E-01 | 1.10 | 9.98E-02 | 3.62E-01 |
| 206642\_at | *DSG1* | 1.08 | 1.15E-01 | 2.51E-01 | 1.05 | 3.43E-01 | 5.51E-01 | 1.07 | 1.71E-01 | 3.31E-01 | 1.01 | 8.78E-01 | 9.56E-01 |
| 1553105\_s\_at | *DSG2* | 0.99 | 9.20E-01 | 9.57E-01 | 0.93 | 6.14E-01 | 7.73E-01 | 0.96 | 7.79E-01 | 8.73E-01 | 1.44 | 1.11E-02 | 1.09E-01 |
| 217901\_at | *DSG2* | 0.88 | 3.11E-01 | 4.95E-01 | 0.90 | 1.67E-01 | 3.48E-01 | 0.89 | 2.62E-01 | 4.43E-01 | 0.97 | 6.94E-01 | 8.74E-01 |
| 205595\_at | *DSG3* | 4.87 | 5.44E-04 | 4.43E-03 | 1.90 | 8.29E-02 | 2.17E-01 | 3.21 | 9.62E-03 | 4.00E-02 | 1.17 | 5.40E-01 | 7.90E-01 |
| 235075\_at | *DSG3* | 8.27 | 2.97E-04 | 2.73E-03 | 2.57 | 5.54E-02 | 1.64E-01 | 4.93 | 5.80E-03 | 2.73E-02 | 1.00 | 9.93E-01 | 9.97E-01 |
| 1561330\_at | *DSG4* | 1.05 | 5.06E-01 | 6.79E-01 | 1.07 | 2.28E-01 | 4.27E-01 | 1.06 | 3.43E-01 | 5.29E-01 | 1.20 | 1.36E-02 | 1.23E-01 |
| 200606\_at | *DSP* | 0.68 | 6.91E-04 | 5.34E-03 | 0.73 | 1.07E-03 | 1.00E-02 | 0.70 | 5.28E-04 | 4.30E-03 | 0.99 | 9.25E-01 | 9.73E-01 |
| 215810\_x\_at | *DST* | 1.04 | 3.89E-01 | 5.76E-01 | 1.07 | 4.17E-01 | 6.20E-01 | 1.05 | 4.00E-01 | 5.84E-01 | 1.26 | 2.92E-02 | 1.88E-01 |
| 215814\_at | *DST* | 0.97 | 6.43E-01 | 7.85E-01 | 0.98 | 7.05E-01 | 8.34E-01 | 0.97 | 6.55E-01 | 7.93E-01 | 1.06 | 2.31E-01 | 5.42E-01 |
| 220154\_at | *DST* | 0.83 | 1.58E-02 | 5.87E-02 | 0.80 | 2.01E-02 | 8.10E-02 | 0.82 | 1.38E-02 | 5.26E-02 | 0.93 | 3.65E-01 | 6.65E-01 |
| 209365\_s\_at | *ECM1* | 1.45 | 2.40E-02 | 8.04E-02 | 1.34 | 7.44E-02 | 2.01E-01 | 1.40 | 3.61E-02 | 1.08E-01 | 1.50 | 9.87E-03 | 1.02E-01 |
| 219436\_s\_at | *EMCN* | 1.77 | 6.52E-03 | 3.00E-02 | 1.43 | 1.38E-01 | 3.07E-01 | 1.61 | 3.29E-02 | 1.01E-01 | 1.31 | 2.25E-01 | 5.36E-01 |
| 222885\_at | *EMCN* | 2.37 | 1.03E-04 | 1.17E-03 | 1.99 | 9.08E-03 | 4.59E-02 | 2.19 | 7.62E-04 | 5.73E-03 | 1.41 | 1.19E-01 | 3.94E-01 |
| 227874\_at | *EMCN* | 1.48 | 2.16E-02 | 7.42E-02 | 1.32 | 2.63E-01 | 4.66E-01 | 1.41 | 1.00E-01 | 2.27E-01 | 1.22 | 2.84E-01 | 5.94E-01 |
| 222354\_at | *F11R* | 0.63 | 4.54E-03 | 2.28E-02 | 0.69 | 1.78E-03 | 1.43E-02 | 0.66 | 2.23E-03 | 1.31E-02 | 0.73 | 7.48E-02 | 3.12E-01 |
| 223000\_s\_at | *F11R* | 0.91 | 2.75E-01 | 4.57E-01 | 0.89 | 1.68E-01 | 3.50E-01 | 0.90 | 2.09E-01 | 3.80E-01 | 0.97 | 6.50E-01 | 8.52E-01 |
| 224097\_s\_at | *F11R* | 1.07 | 6.38E-01 | 7.81E-01 | 0.91 | 5.72E-01 | 7.44E-01 | 0.99 | 9.69E-01 | 9.84E-01 | 1.01 | 9.61E-01 | 9.86E-01 |
| 221664\_s\_at | *F11R* | 1.08 | 4.34E-01 | 6.18E-01 | 1.00 | 9.72E-01 | 9.86E-01 | 1.04 | 6.48E-01 | 7.88E-01 | 1.01 | 9.20E-01 | 9.71E-01 |
| 206795\_at | *F2RL2* | 1.08 | 1.52E-01 | 3.04E-01 | 1.11 | 1.03E-01 | 2.53E-01 | 1.09 | 9.45E-02 | 2.18E-01 | 1.15 | 2.93E-02 | 1.88E-01 |
| 230147\_at | *F2RL2* | 1.74 | 3.09E-04 | 2.82E-03 | 1.62 | 3.54E-03 | 2.33E-02 | 1.69 | 6.31E-04 | 4.95E-03 | 1.33 | 2.65E-02 | 1.78E-01 |
| 221737\_at | *GNA12* | 1.17 | 5.51E-02 | 1.48E-01 | 1.13 | 1.65E-01 | 3.46E-01 | 1.15 | 7.77E-02 | 1.89E-01 | 0.94 | 3.58E-01 | 6.60E-01 |
| 224681\_at | *GNA12* | 1.24 | 6.18E-03 | 2.89E-02 | 1.14 | 2.04E-01 | 3.96E-01 | 1.20 | 4.18E-02 | 1.21E-01 | 1.06 | 5.64E-01 | 8.04E-01 |
| 231309\_at | *GNA12* | 0.92 | 2.20E-01 | 3.93E-01 | 0.89 | 1.40E-01 | 3.11E-01 | 0.91 | 1.36E-01 | 2.83E-01 | 1.00 | 9.51E-01 | 9.82E-01 |
| 208429\_x\_at | *HNF4A* | 0.62 | 1.23E-03 | 8.39E-03 | 0.59 | 1.25E-03 | 1.12E-02 | 0.61 | 6.20E-04 | 4.88E-03 | 0.92 | 6.39E-01 | 8.46E-01 |
| 214832\_at | *HNF4A* | 0.67 | 5.20E-04 | 4.27E-03 | 0.69 | 9.47E-04 | 9.19E-03 | 0.68 | 1.53E-04 | 1.63E-03 | 0.84 | 1.54E-01 | 4.45E-01 |
| 214851\_at | *HNF4A* | 0.89 | 2.15E-01 | 3.86E-01 | 0.85 | 1.52E-02 | 6.64E-02 | 0.87 | 8.17E-02 | 1.96E-01 | 0.90 | 1.58E-01 | 4.52E-01 |
| 216889\_s\_at | *HNF4A* | 0.66 | 4.79E-05 | 6.36E-04 | 0.66 | 2.33E-05 | 6.59E-04 | 0.66 | 4.99E-06 | 1.05E-04 | 0.83 | 3.05E-02 | 1.92E-01 |
| 230914\_at | *HNF4A* | 0.50 | 6.41E-05 | 8.02E-04 | 0.57 | 6.47E-05 | 1.34E-03 | 0.53 | 2.12E-05 | 3.38E-04 | 0.76 | 4.40E-02 | 2.36E-01 |
| 243027\_at | *IGSF5* | 0.94 | 3.61E-01 | 5.48E-01 | 0.94 | 4.55E-01 | 6.52E-01 | 0.94 | 3.54E-01 | 5.40E-01 | 1.05 | 3.54E-01 | 6.57E-01 |
| 201656\_at | *ITGA6* | 1.70 | 2.66E-05 | 3.94E-04 | 1.63 | 1.24E-03 | 1.11E-02 | 1.67 | 8.42E-05 | 1.02E-03 | 1.32 | 4.07E-03 | 6.01E-02 |
| 215177\_s\_at | *ITGA6* | 1.68 | 8.30E-03 | 3.61E-02 | 1.38 | 1.09E-01 | 2.62E-01 | 1.54 | 2.86E-02 | 9.10E-02 | 1.17 | 3.61E-01 | 6.62E-01 |
| 204989\_s\_at | *ITGB4* | 1.41 | 4.12E-02 | 1.20E-01 | 1.21 | 2.36E-01 | 4.36E-01 | 1.32 | 9.28E-02 | 2.15E-01 | 1.50 | 2.13E-02 | 1.59E-01 |
| 204990\_s\_at | *ITGB4* | 1.50 | 7.61E-03 | 3.38E-02 | 1.26 | 8.36E-02 | 2.18E-01 | 1.39 | 2.32E-02 | 7.78E-02 | 1.53 | 2.20E-04 | 1.02E-02 |
| 211905\_s\_at | *ITGB4* | 1.20 | 3.91E-01 | 5.77E-01 | 1.03 | 8.69E-01 | 9.32E-01 | 1.12 | 5.67E-01 | 7.27E-01 | 1.48 | 6.02E-02 | 2.78E-01 |
| 214292\_at | *ITGB4* | 0.94 | 3.76E-01 | 5.62E-01 | 0.90 | 1.07E-01 | 2.59E-01 | 0.92 | 1.97E-01 | 3.66E-01 | 1.01 | 9.34E-01 | 9.76E-01 |
| 230704\_s\_at | *ITGB4* | 0.75 | 4.46E-04 | 3.78E-03 | 0.71 | 6.79E-04 | 7.25E-03 | 0.73 | 1.73E-04 | 1.79E-03 | 0.98 | 8.37E-01 | 9.40E-01 |
| 219213\_at | *JAM2* | 2.41 | 4.56E-05 | 6.11E-04 | 2.23 | 1.65E-03 | 1.35E-02 | 2.33 | 1.26E-04 | 1.41E-03 | 1.65 | 2.01E-02 | 1.54E-01 |
| 212813\_at | *JAM3* | 1.75 | 6.23E-03 | 2.90E-02 | 1.53 | 3.50E-02 | 1.20E-01 | 1.65 | 1.23E-02 | 4.81E-02 | 1.15 | 3.80E-01 | 6.77E-01 |
| 231720\_s\_at | *JAM3* | 0.98 | 8.63E-01 | 9.25E-01 | 0.92 | 3.06E-01 | 5.14E-01 | 0.95 | 5.99E-01 | 7.52E-01 | 0.99 | 9.61E-01 | 9.86E-01 |
| 231721\_at | *JAM3* | 1.18 | 1.11E-01 | 2.45E-01 | 1.13 | 1.29E-01 | 2.93E-01 | 1.16 | 1.15E-01 | 2.51E-01 | 0.95 | 5.22E-01 | 7.79E-01 |
| 201015\_s\_at | *JUP* | 0.76 | 3.49E-02 | 1.06E-01 | 0.72 | 5.77E-03 | 3.31E-02 | 0.74 | 1.28E-02 | 4.95E-02 | 1.10 | 3.69E-01 | 6.68E-01 |
| 222346\_at | *LAMA1* | 0.86 | 8.30E-02 | 1.99E-01 | 0.79 | 7.42E-05 | 1.47E-03 | 0.83 | 1.06E-02 | 4.31E-02 | 1.01 | 9.03E-01 | 9.65E-01 |
| 227048\_at | *LAMA1* | 0.07 | 8.15E-11 | 1.72E-08 | 0.14 | 1.04E-09 | 8.02E-07 | 0.10 | 4.06E-11 | 8.50E-09 | 0.41 | 1.40E-02 | 1.26E-01 |
| 1560078\_at | *LAMA3* | 0.84 | 1.79E-02 | 6.44E-02 | 0.81 | 1.05E-02 | 5.09E-02 | 0.82 | 6.01E-03 | 2.80E-02 | 0.87 | 4.13E-02 | 2.28E-01 |
| 1563772\_a\_at | *LAMA3* | 0.99 | 8.53E-01 | 9.19E-01 | 0.94 | 3.61E-01 | 5.68E-01 | 0.97 | 6.16E-01 | 7.64E-01 | 0.89 | 1.41E-01 | 4.27E-01 |
| 1568879\_a\_at | *LAMA3* | 0.90 | 7.36E-02 | 1.83E-01 | 0.92 | 3.60E-01 | 5.67E-01 | 0.91 | 1.71E-01 | 3.31E-01 | 0.94 | 5.26E-01 | 7.81E-01 |
| 203726\_s\_at | *LAMA3* | 1.62 | 6.07E-03 | 2.85E-02 | 1.07 | 7.13E-01 | 8.39E-01 | 1.35 | 1.21E-01 | 2.61E-01 | 1.29 | 1.12E-01 | 3.84E-01 |
| 202202\_s\_at | *LAMA4* | 2.70 | 5.04E-04 | 4.17E-03 | 2.49 | 3.63E-03 | 2.36E-02 | 2.60 | 7.84E-04 | 5.86E-03 | 1.95 | 1.13E-02 | 1.10E-01 |
| 210089\_s\_at | *LAMA4* | 1.10 | 4.50E-01 | 6.32E-01 | 0.94 | 5.50E-01 | 7.28E-01 | 1.02 | 8.48E-01 | 9.16E-01 | 0.96 | 6.38E-01 | 8.46E-01 |
| 210989\_at | *LAMA4* | 1.08 | 2.15E-01 | 3.86E-01 | 1.09 | 1.23E-01 | 2.85E-01 | 1.08 | 1.50E-01 | 3.02E-01 | 1.03 | 5.52E-01 | 7.98E-01 |
| 210990\_s\_at | *LAMA4* | 1.18 | 7.03E-02 | 1.77E-01 | 1.09 | 2.91E-01 | 4.97E-01 | 1.14 | 1.13E-01 | 2.48E-01 | 1.07 | 3.98E-01 | 6.92E-01 |
| 210150\_s\_at | *LAMA5* | 1.54 | 6.25E-04 | 4.95E-03 | 1.28 | 1.00E-01 | 2.47E-01 | 1.42 | 1.05E-02 | 4.27E-02 | 1.32 | 2.55E-02 | 1.75E-01 |
| 201505\_at | *LAMB1* | 2.03 | 5.20E-04 | 4.27E-03 | 2.15 | 3.30E-04 | 4.28E-03 | 2.08 | 1.26E-04 | 1.40E-03 | 1.69 | 9.37E-04 | 2.46E-02 |
| 211651\_s\_at | *LAMB1* | 1.73 | 2.15E-03 | 1.29E-02 | 1.79 | 1.74E-03 | 1.40E-02 | 1.76 | 8.95E-04 | 6.48E-03 | 1.47 | 9.98E-03 | 1.03E-01 |
| 216264\_s\_at | *LAMB2* | 1.59 | 2.02E-04 | 2.02E-03 | 1.33 | 6.70E-02 | 1.87E-01 | 1.47 | 5.44E-03 | 2.59E-02 | 1.28 | 1.87E-02 | 1.48E-01 |
| 200770\_s\_at | *LAMC1* | 2.42 | 2.56E-05 | 3.82E-04 | 1.85 | 3.42E-03 | 2.27E-02 | 2.15 | 1.41E-04 | 1.53E-03 | 1.52 | 9.73E-03 | 1.01E-01 |
| 200771\_at | *LAMC1* | 3.40 | 1.22E-05 | 2.12E-04 | 2.73 | 1.55E-03 | 1.29E-02 | 3.08 | 3.06E-05 | 4.56E-04 | 1.76 | 1.74E-02 | 1.43E-01 |
| 202267\_at | *LAMC2* | 2.32 | 1.43E-06 | 3.77E-05 | 1.54 | 4.06E-02 | 1.32E-01 | 1.93 | 1.02E-03 | 7.14E-03 | 1.22 | 3.23E-01 | 6.29E-01 |
| 207517\_at | *LAMC2* | 2.18 | 2.38E-04 | 2.30E-03 | 1.46 | 2.26E-02 | 8.78E-02 | 1.83 | 2.82E-03 | 1.57E-02 | 1.24 | 1.12E-01 | 3.83E-01 |
| 1555262\_a\_at | *MAGI1* | 0.77 | 1.53E-04 | 1.62E-03 | 0.74 | 6.89E-04 | 7.33E-03 | 0.76 | 4.90E-05 | 6.57E-04 | 0.92 | 1.47E-01 | 4.35E-01 |
| 1559256\_at | *MAGI1* | 0.92 | 1.18E-01 | 2.55E-01 | 0.94 | 2.57E-01 | 4.60E-01 | 0.93 | 1.46E-01 | 2.97E-01 | 1.01 | 9.38E-01 | 9.78E-01 |
| 1559257\_a\_at | *MAGI1* | 0.96 | 4.39E-01 | 6.22E-01 | 1.02 | 7.30E-01 | 8.50E-01 | 0.98 | 7.90E-01 | 8.80E-01 | 0.98 | 7.73E-01 | 9.12E-01 |
| 206144\_at | *MAGI1* | 0.85 | 1.83E-02 | 6.54E-02 | 0.88 | 9.91E-02 | 2.46E-01 | 0.87 | 2.41E-02 | 8.00E-02 | 1.04 | 6.14E-01 | 8.33E-01 |
| 225465\_at | *MAGI1* | 0.78 | 2.68E-02 | 8.71E-02 | 0.88 | 1.82E-01 | 3.69E-01 | 0.82 | 6.28E-02 | 1.63E-01 | 1.03 | 8.04E-01 | 9.25E-01 |
| 232859\_s\_at | *MAGI1* | 0.63 | 1.50E-07 | 6.11E-06 | 0.62 | 2.48E-06 | 1.34E-04 | 0.62 | 3.96E-09 | 3.44E-07 | 0.95 | 5.43E-01 | 7.92E-01 |
| 207702\_s\_at | *MAGI2* | 0.79 | 2.09E-04 | 2.08E-03 | 0.80 | 2.39E-03 | 1.77E-02 | 0.79 | 1.97E-04 | 1.99E-03 | 0.99 | 9.47E-01 | 9.81E-01 |
| 209737\_at | *MAGI2* | 0.69 | 3.35E-03 | 1.80E-02 | 0.86 | 2.09E-01 | 4.03E-01 | 0.76 | 2.62E-02 | 8.52E-02 | 0.71 | 5.82E-03 | 7.43E-02 |
| 224307\_x\_at | *MAGI3* | 0.81 | 3.29E-03 | 1.78E-02 | 0.83 | 3.07E-02 | 1.09E-01 | 0.82 | 7.18E-03 | 3.21E-02 | 1.06 | 4.91E-01 | 7.59E-01 |
| 226770\_at | *MAGI3* | 0.52 | 8.74E-05 | 1.03E-03 | 0.65 | 7.10E-03 | 3.85E-02 | 0.57 | 5.97E-04 | 4.74E-03 | 0.95 | 6.42E-01 | 8.48E-01 |
| 235141\_at | *MARVELD2* | 0.67 | 1.25E-02 | 4.93E-02 | 0.74 | 1.77E-02 | 7.40E-02 | 0.70 | 1.29E-02 | 4.98E-02 | 0.81 | 3.65E-02 | 2.12E-01 |
| 235955\_at | *MARVELD2* | 0.77 | 1.80E-01 | 3.42E-01 | 0.85 | 2.28E-01 | 4.27E-01 | 0.80 | 1.98E-01 | 3.66E-01 | 0.95 | 7.06E-01 | 8.79E-01 |
| 233634\_at | *MARVELD3* | 0.61 | 3.01E-03 | 1.66E-02 | 0.68 | 2.49E-03 | 1.82E-02 | 0.64 | 1.40E-03 | 9.11E-03 | 0.74 | 3.32E-02 | 2.02E-01 |
| 239148\_at | *MARVELD3* | 0.39 | 1.54E-06 | 4.02E-05 | 0.47 | 1.26E-06 | 8.67E-05 | 0.42 | 3.32E-07 | 1.16E-05 | 0.62 | 5.11E-04 | 1.70E-02 |
| 239350\_at | *MARVELD3* | 0.60 | 2.83E-02 | 9.05E-02 | 0.76 | 1.25E-01 | 2.88E-01 | 0.67 | 4.52E-02 | 1.28E-01 | 0.74 | 6.33E-02 | 2.85E-01 |
| 209086\_x\_at | *MCAM* | 1.64 | 7.81E-06 | 1.47E-04 | 1.43 | 1.04E-02 | 5.08E-02 | 1.54 | 3.57E-04 | 3.17E-03 | 1.68 | 3.78E-04 | 1.44E-02 |
| 209087\_x\_at | *MCAM* | 2.07 | 4.09E-04 | 3.53E-03 | 1.95 | 1.40E-02 | 6.25E-02 | 2.02 | 2.08E-03 | 1.24E-02 | 1.75 | 1.08E-02 | 1.07E-01 |
| 210869\_s\_at | *MCAM* | 3.21 | 9.77E-07 | 2.78E-05 | 2.72 | 3.01E-04 | 4.00E-03 | 2.98 | 4.94E-06 | 1.05E-04 | 2.09 | 1.83E-03 | 3.67E-02 |
| 211042\_x\_at | *MCAM* | 1.12 | 8.49E-02 | 2.02E-01 | 1.10 | 2.47E-01 | 4.48E-01 | 1.11 | 1.31E-01 | 2.76E-01 | 1.10 | 1.52E-01 | 4.42E-01 |
| 211340\_s\_at | *MCAM* | 3.45 | 3.95E-06 | 8.47E-05 | 2.73 | 2.57E-03 | 1.86E-02 | 3.11 | 5.39E-05 | 7.08E-04 | 1.99 | 5.05E-03 | 6.84E-02 |
| 206000\_at | *MEP1A* | 0.25 | 3.80E-07 | 1.29E-05 | 0.32 | 1.37E-05 | 4.53E-04 | 0.28 | 4.81E-07 | 1.57E-05 | 0.52 | 3.43E-02 | 2.06E-01 |
| 214939\_x\_at | *MLLT4* | 0.80 | 3.37E-02 | 1.03E-01 | 0.76 | 2.10E-02 | 8.33E-02 | 0.78 | 1.97E-02 | 6.86E-02 | 0.77 | 3.60E-02 | 2.11E-01 |
| 215904\_at | *MLLT4* | 0.81 | 1.14E-03 | 7.89E-03 | 0.83 | 3.87E-03 | 2.48E-02 | 0.82 | 6.96E-04 | 5.34E-03 | 0.97 | 6.37E-01 | 8.45E-01 |
| 224685\_at | *MLLT4* | 0.80 | 4.87E-02 | 1.35E-01 | 0.88 | 1.51E-01 | 3.26E-01 | 0.83 | 6.45E-02 | 1.66E-01 | 0.87 | 1.20E-01 | 3.95E-01 |
| 229775\_s\_at | *MLLT4* | 1.40 | 4.68E-02 | 1.31E-01 | 1.48 | 1.51E-02 | 6.63E-02 | 1.44 | 1.73E-02 | 6.22E-02 | 0.84 | 4.51E-01 | 7.32E-01 |
| 230622\_at | *MLLT4* | 0.84 | 7.79E-03 | 3.44E-02 | 0.84 | 1.63E-02 | 6.97E-02 | 0.84 | 6.91E-03 | 3.11E-02 | 0.89 | 4.28E-02 | 2.32E-01 |
| 238871\_at | *MLLT4* | 0.90 | 7.65E-03 | 3.40E-02 | 0.93 | 1.91E-01 | 3.79E-01 | 0.91 | 3.55E-02 | 1.07E-01 | 0.98 | 6.26E-01 | 8.39E-01 |
| 205079\_s\_at | *MPDZ* | 1.41 | 4.80E-04 | 4.01E-03 | 1.33 | 2.12E-02 | 8.38E-02 | 1.37 | 2.52E-03 | 1.43E-02 | 1.15 | 1.72E-01 | 4.72E-01 |
| 213306\_at | *MPDZ* | 1.46 | 3.07E-03 | 1.69E-02 | 1.53 | 5.44E-02 | 1.62E-01 | 1.49 | 2.00E-02 | 6.95E-02 | 1.40 | 4.57E-02 | 2.40E-01 |
| 219321\_at | *MPP5* | 0.44 | 9.07E-07 | 2.62E-05 | 0.48 | 8.25E-05 | 1.59E-03 | 0.45 | 4.89E-07 | 1.59E-05 | 0.62 | 6.83E-05 | 5.01E-03 |
| 226092\_at | *MPP5* | 0.46 | 1.29E-07 | 5.40E-06 | 0.51 | 6.71E-07 | 5.70E-05 | 0.48 | 1.03E-08 | 7.32E-07 | 0.62 | 1.04E-04 | 6.54E-03 |
| 207847\_s\_at | *MUC1* | 2.88 | 8.98E-06 | 1.64E-04 | 2.75 | 6.58E-06 | 2.67E-04 | 2.82 | 3.50E-07 | 1.21E-05 | 12.49 | 8.83E-10 | 9.66E-06 |
| 211695\_x\_at | *MUC1* | 2.54 | 4.68E-06 | 9.70E-05 | 2.22 | 3.35E-05 | 8.48E-04 | 2.39 | 9.45E-07 | 2.66E-05 | 2.86 | 2.89E-05 | 2.97E-03 |
| 213693\_s\_at | *MUC1* | 2.54 | 1.14E-05 | 2.00E-04 | 2.47 | 1.09E-06 | 7.90E-05 | 2.51 | 3.24E-07 | 1.14E-05 | 10.10 | 7.69E-11 | 2.10E-06 |
| 1557906\_at | *MUC12* | 1.11 | 1.88E-01 | 3.52E-01 | 1.06 | 2.66E-01 | 4.70E-01 | 1.09 | 2.02E-01 | 3.72E-01 | 1.06 | 3.04E-01 | 6.14E-01 |
| 1557907\_x\_at | *MUC12* | 0.94 | 3.65E-01 | 5.51E-01 | 0.90 | 1.91E-01 | 3.80E-01 | 0.92 | 2.27E-01 | 4.03E-01 | 1.04 | 4.80E-01 | 7.52E-01 |
| 226654\_at | *MUC12* | 1.27 | 3.82E-01 | 5.68E-01 | 1.32 | 2.84E-01 | 4.90E-01 | 1.29 | 2.74E-01 | 4.56E-01 | 2.49 | 1.23E-01 | 4.00E-01 |
| 231814\_at | *MUC12* | 0.62 | 1.48E-01 | 2.99E-01 | 0.59 | 1.28E-01 | 2.92E-01 | 0.60 | 1.00E-01 | 2.28E-01 | 1.64 | 1.01E-01 | 3.65E-01 |
| 218687\_s\_at | *MUC13* | 1.51 | 4.45E-03 | 2.24E-02 | 1.38 | 1.18E-02 | 5.55E-02 | 1.45 | 5.17E-03 | 2.49E-02 | 0.83 | 2.09E-01 | 5.18E-01 |
| 222712\_s\_at | *MUC13* | 1.36 | 4.80E-02 | 1.34E-01 | 1.20 | 3.23E-01 | 5.31E-01 | 1.29 | 1.31E-01 | 2.75E-01 | 0.72 | 8.07E-02 | 3.24E-01 |
| 227238\_at | *MUC15* | 0.99 | 7.72E-01 | 8.70E-01 | 0.95 | 2.78E-01 | 4.83E-01 | 0.97 | 4.88E-01 | 6.65E-01 | 0.96 | 3.06E-01 | 6.14E-01 |
| 227241\_at | *MUC15* | 1.02 | 6.17E-01 | 7.65E-01 | 1.04 | 4.72E-01 | 6.66E-01 | 1.03 | 4.95E-01 | 6.71E-01 | 0.95 | 1.38E-01 | 4.22E-01 |
| 220196\_at | *MUC16* | 0.98 | 7.69E-01 | 8.68E-01 | 0.96 | 4.83E-01 | 6.76E-01 | 0.97 | 6.16E-01 | 7.65E-01 | 1.10 | 1.18E-01 | 3.93E-01 |
| 232321\_at | *MUC17* | 3.11 | 1.62E-02 | 5.99E-02 | 1.85 | 1.10E-01 | 2.64E-01 | 2.47 | 3.89E-02 | 1.15E-01 | 0.50 | 7.27E-02 | 3.07E-01 |
| 232407\_at | *MUC17* | 0.98 | 7.94E-01 | 8.83E-01 | 1.03 | 5.84E-01 | 7.52E-01 | 1.00 | 9.94E-01 | 9.97E-01 | 0.89 | 3.16E-02 | 1.96E-01 |
| 1553436\_at | *MUC19* | 0.87 | 2.31E-02 | 7.81E-02 | 0.89 | 7.23E-02 | 1.97E-01 | 0.88 | 1.91E-02 | 6.72E-02 | 1.14 | 2.08E-02 | 1.57E-01 |
| 204673\_at | *MUC2* | 1.76 | 2.33E-03 | 1.37E-02 | 1.91 | 2.10E-04 | 3.11E-03 | 1.82 | 3.37E-04 | 3.03E-03 | 2.28 | 9.92E-06 | 1.58E-03 |
| 226622\_at | *MUC20* | 0.76 | 3.40E-01 | 5.26E-01 | 0.72 | 2.27E-01 | 4.25E-01 | 0.74 | 2.64E-01 | 4.46E-01 | 2.60 | 2.47E-04 | 1.10E-02 |
| 230043\_at | *MUC20* | 0.42 | 7.92E-04 | 5.93E-03 | 0.42 | 6.31E-04 | 6.87E-03 | 0.42 | 2.08E-04 | 2.07E-03 | 1.05 | 7.12E-01 | 8.82E-01 |
| 231941\_s\_at | *MUC20* | 0.69 | 2.23E-01 | 3.96E-01 | 0.66 | 1.54E-01 | 3.30E-01 | 0.68 | 1.65E-01 | 3.22E-01 | 2.26 | 1.87E-03 | 3.70E-02 |
| 243774\_at | *MUC20* | 0.71 | 4.19E-03 | 2.14E-02 | 0.69 | 5.10E-04 | 5.87E-03 | 0.70 | 1.13E-03 | 7.72E-03 | 0.97 | 7.92E-01 | 9.20E-01 |
| 217117\_x\_at | *MUC3A* | 0.87 | 1.28E-01 | 2.71E-01 | 0.84 | 6.41E-02 | 1.82E-01 | 0.86 | 8.44E-02 | 2.01E-01 | 0.99 | 9.41E-01 | 9.79E-01 |
| 214676\_x\_at | *MUC3B* | 0.94 | 4.95E-01 | 6.70E-01 | 0.91 | 3.80E-01 | 5.86E-01 | 0.93 | 4.31E-01 | 6.13E-01 | 0.93 | 6.31E-01 | 8.42E-01 |
| 214898\_x\_at | *MUC3B* | 0.81 | 1.13E-01 | 2.48E-01 | 0.77 | 4.39E-02 | 1.40E-01 | 0.79 | 6.68E-02 | 1.70E-01 | 1.04 | 7.73E-01 | 9.11E-01 |
| 1561785\_at | *MUC4* | 1.47 | 7.55E-03 | 3.36E-02 | 1.53 | 3.04E-03 | 2.09E-02 | 1.49 | 3.12E-03 | 1.69E-02 | 1.32 | 3.43E-02 | 2.06E-01 |
| 204895\_x\_at | *MUC4* | 2.76 | 9.48E-06 | 1.71E-04 | 2.38 | 3.56E-04 | 4.52E-03 | 2.58 | 1.17E-05 | 2.10E-04 | 5.01 | 7.17E-04 | 2.10E-02 |
| 217109\_at | *MUC4* | 2.45 | 4.81E-05 | 6.37E-04 | 2.32 | 1.90E-04 | 2.89E-03 | 2.39 | 1.85E-05 | 3.04E-04 | 12.49 | 1.36E-05 | 1.90E-03 |
| 217110\_s\_at | *MUC4* | 2.97 | 8.41E-06 | 1.56E-04 | 2.68 | 2.37E-04 | 3.41E-03 | 2.84 | 9.25E-06 | 1.73E-04 | 7.45 | 3.13E-04 | 1.28E-02 |
| 235055\_x\_at | *MUC4* | 0.84 | 4.75E-02 | 1.33E-01 | 0.81 | 9.90E-03 | 4.89E-02 | 0.83 | 1.74E-02 | 6.26E-02 | 0.96 | 5.86E-01 | 8.17E-01 |
| 214303\_x\_at | *MUC5AC* | 1.93 | 7.20E-03 | 3.24E-02 | 1.36 | 1.13E-01 | 2.68E-01 | 1.65 | 2.82E-02 | 9.02E-02 | 2.15 | 3.64E-02 | 2.12E-01 |
| 214385\_s\_at | *MUC5AC* | 2.58 | 4.36E-03 | 2.21E-02 | 1.56 | 1.33E-01 | 3.00E-01 | 2.06 | 2.63E-02 | 8.53E-02 | 2.65 | 4.98E-02 | 2.51E-01 |
| 217182\_at | *MUC5AC* | 0.76 | 3.91E-02 | 1.15E-01 | 0.67 | 8.10E-04 | 8.25E-03 | 0.72 | 7.02E-03 | 3.15E-02 | 0.93 | 4.99E-01 | 7.64E-01 |
| 217187\_at | *MUC5AC* | 1.15 | 3.26E-01 | 5.11E-01 | 1.06 | 6.46E-01 | 7.95E-01 | 1.11 | 4.39E-01 | 6.20E-01 | 1.45 | 1.45E-01 | 4.33E-01 |
| 213432\_at | *MUC5B* | 2.42 | 1.37E-04 | 1.48E-03 | 2.33 | 1.28E-04 | 2.18E-03 | 2.38 | 3.22E-05 | 4.73E-04 | 3.83 | 1.55E-03 | 3.31E-02 |
| 222268\_x\_at | *MUC5B* | 1.05 | 7.99E-01 | 8.86E-01 | 0.95 | 7.38E-01 | 8.55E-01 | 1.00 | 9.92E-01 | 9.95E-01 | 1.04 | 6.46E-01 | 8.49E-01 |
| 1565666\_s\_at | *MUC6* | 0.92 | 4.88E-01 | 6.65E-01 | 0.92 | 2.85E-01 | 4.90E-01 | 0.92 | 4.11E-01 | 5.94E-01 | 1.66 | 8.14E-02 | 3.25E-01 |
| 214133\_at | *MUC6* | 0.90 | 2.47E-01 | 4.24E-01 | 0.77 | 7.39E-03 | 3.96E-02 | 0.84 | 6.10E-02 | 1.59E-01 | 1.96 | 1.78E-02 | 1.44E-01 |
| 216359\_at | *MUC7* | 1.03 | 6.45E-01 | 7.86E-01 | 1.04 | 5.20E-01 | 7.05E-01 | 1.03 | 5.43E-01 | 7.09E-01 | 0.97 | 7.00E-01 | 8.76E-01 |
| 217059\_at | *MUC7* | 0.95 | 2.33E-01 | 4.08E-01 | 0.98 | 6.68E-01 | 8.10E-01 | 0.96 | 3.65E-01 | 5.51E-01 | 0.99 | 8.12E-01 | 9.28E-01 |
| 216671\_x\_at | *MUC8* | 0.72 | 4.83E-05 | 6.40E-04 | 0.71 | 7.67E-05 | 1.50E-03 | 0.72 | 5.66E-06 | 1.17E-04 | 0.94 | 5.33E-01 | 7.86E-01 |
| 217295\_at | *MUC8* | 0.87 | 6.08E-02 | 1.59E-01 | 0.88 | 1.47E-01 | 3.20E-01 | 0.87 | 8.18E-02 | 1.96E-01 | 0.95 | 3.47E-01 | 6.50E-01 |
| 209888\_s\_at | *MYL1* | 0.89 | 6.29E-02 | 1.63E-01 | 0.91 | 1.89E-01 | 3.77E-01 | 0.90 | 9.37E-02 | 2.17E-01 | 1.01 | 8.28E-01 | 9.35E-01 |
| 209742\_s\_at | *MYL2* | 0.96 | 4.53E-01 | 6.34E-01 | 0.93 | 1.90E-01 | 3.78E-01 | 0.95 | 2.75E-01 | 4.57E-01 | 1.03 | 6.82E-01 | 8.68E-01 |
| 205589\_at | *MYL3* | 0.86 | 1.12E-01 | 2.46E-01 | 0.81 | 7.55E-03 | 4.03E-02 | 0.84 | 3.58E-02 | 1.08E-01 | 1.04 | 6.86E-01 | 8.70E-01 |
| 210088\_x\_at | *MYL4* | 0.87 | 6.45E-02 | 1.66E-01 | 0.87 | 2.44E-02 | 9.25E-02 | 0.87 | 3.21E-02 | 9.94E-02 | 1.21 | 9.43E-03 | 9.90E-02 |
| 210395\_x\_at | *MYL4* | 0.95 | 4.85E-01 | 6.62E-01 | 0.95 | 5.10E-01 | 6.97E-01 | 0.95 | 4.69E-01 | 6.48E-01 | 1.22 | 1.63E-02 | 1.37E-01 |
| 216054\_x\_at | *MYL4* | 0.84 | 1.38E-02 | 5.30E-02 | 0.85 | 4.04E-03 | 2.55E-02 | 0.85 | 4.91E-03 | 2.40E-02 | 1.28 | 1.23E-02 | 1.16E-01 |
| 217274\_x\_at | *MYL4* | 0.98 | 6.91E-01 | 8.17E-01 | 0.94 | 2.51E-01 | 4.53E-01 | 0.96 | 4.35E-01 | 6.16E-01 | 1.13 | 1.03E-01 | 3.67E-01 |
| 205145\_s\_at | *MYL5* | 0.62 | 2.45E-06 | 5.82E-05 | 0.62 | 2.92E-05 | 7.71E-04 | 0.62 | 7.26E-07 | 2.17E-05 | 0.60 | 8.80E-05 | 5.84E-03 |
| 212082\_s\_at | *MYL6* | 0.80 | 8.30E-05 | 9.88E-04 | 0.83 | 4.90E-03 | 2.95E-02 | 0.81 | 1.99E-04 | 2.00E-03 | 1.02 | 7.59E-01 | 9.05E-01 |
| 204173\_at | *MYL6B* | 1.29 | 1.61E-02 | 5.94E-02 | 1.19 | 1.18E-01 | 2.76E-01 | 1.25 | 4.01E-02 | 1.17E-01 | 1.04 | 6.92E-01 | 8.73E-01 |
| 219942\_at | *MYL7* | 0.81 | 7.48E-03 | 3.33E-02 | 0.79 | 1.99E-03 | 1.55E-02 | 0.80 | 2.36E-03 | 1.37E-02 | 0.91 | 2.02E-01 | 5.09E-01 |
| 201058\_s\_at | *MYL9* | 1.11 | 7.06E-01 | 8.27E-01 | 1.04 | 9.15E-01 | 9.57E-01 | 1.08 | 8.05E-01 | 8.90E-01 | 0.76 | 3.11E-01 | 6.20E-01 |
| 1563466\_at | *MYLK* | 0.81 | 6.21E-05 | 7.84E-04 | 0.83 | 3.10E-03 | 2.12E-02 | 0.82 | 7.13E-05 | 8.89E-04 | 0.96 | 5.20E-01 | 7.78E-01 |
| 1568770\_at | *MYLK* | 1.09 | 3.21E-01 | 5.06E-01 | 1.08 | 3.92E-01 | 5.97E-01 | 1.09 | 3.41E-01 | 5.27E-01 | 1.29 | 2.82E-02 | 1.84E-01 |
| 1569956\_at | *MYLK* | 0.94 | 1.77E-01 | 3.38E-01 | 0.96 | 3.15E-01 | 5.22E-01 | 0.95 | 1.88E-01 | 3.53E-01 | 0.98 | 5.80E-01 | 8.14E-01 |
| 202555\_s\_at | *MYLK* | 0.53 | 1.75E-03 | 1.10E-02 | 0.67 | 5.56E-02 | 1.64E-01 | 0.59 | 6.81E-03 | 3.08E-02 | 1.08 | 6.61E-01 | 8.58E-01 |
| 224823\_at | *MYLK* | 0.47 | 5.97E-04 | 4.77E-03 | 0.61 | 2.41E-02 | 9.16E-02 | 0.53 | 2.14E-03 | 1.27E-02 | 1.06 | 7.27E-01 | 8.90E-01 |
| 208452\_x\_at | *MYO9B* | 0.95 | 6.32E-01 | 7.76E-01 | 0.93 | 4.15E-01 | 6.17E-01 | 0.94 | 5.19E-01 | 6.90E-01 | 0.98 | 8.49E-01 | 9.45E-01 |
| 214780\_s\_at | *MYO9B* | 0.89 | 1.05E-01 | 2.35E-01 | 0.88 | 7.64E-02 | 2.04E-01 | 0.89 | 6.93E-02 | 1.75E-01 | 1.02 | 7.50E-01 | 9.01E-01 |
| 217297\_s\_at | *MYO9B* | 1.20 | 4.43E-02 | 1.26E-01 | 1.10 | 2.54E-01 | 4.56E-01 | 1.15 | 9.52E-02 | 2.19E-01 | 1.05 | 6.02E-01 | 8.26E-01 |
| 209925\_at | *OCLN* | 0.48 | 2.54E-05 | 3.80E-04 | 0.55 | 2.52E-03 | 1.84E-02 | 0.51 | 1.39E-04 | 1.52E-03 | 0.69 | 1.46E-02 | 1.29E-01 |
| 205432\_at | *OVGP1* | 0.95 | 4.67E-01 | 6.47E-01 | 1.01 | 9.04E-01 | 9.52E-01 | 0.98 | 7.67E-01 | 8.66E-01 | 1.08 | 4.55E-01 | 7.34E-01 |
| 210094\_s\_at | *PARD3* | 1.04 | 7.27E-01 | 8.41E-01 | 0.98 | 8.15E-01 | 9.02E-01 | 1.01 | 8.95E-01 | 9.42E-01 | 1.12 | 3.49E-01 | 6.53E-01 |
| 221280\_s\_at | *PARD3* | 0.82 | 1.47E-03 | 9.62E-03 | 0.80 | 6.56E-03 | 3.63E-02 | 0.81 | 1.68E-03 | 1.05E-02 | 1.02 | 8.20E-01 | 9.32E-01 |
| 221526\_x\_at | *PARD3* | 0.99 | 8.99E-01 | 9.46E-01 | 0.94 | 3.57E-01 | 5.65E-01 | 0.96 | 6.85E-01 | 8.13E-01 | 1.11 | 3.39E-01 | 6.44E-01 |
| 221527\_s\_at | *PARD3* | 0.66 | 3.32E-04 | 2.99E-03 | 0.74 | 9.34E-03 | 4.68E-02 | 0.69 | 9.41E-04 | 6.72E-03 | 1.02 | 8.15E-01 | 9.30E-01 |
| 205724\_at | *PKP1* | 0.93 | 3.21E-01 | 5.07E-01 | 0.94 | 4.71E-01 | 6.66E-01 | 0.94 | 3.76E-01 | 5.61E-01 | 1.09 | 2.89E-01 | 5.99E-01 |
| 221854\_at | *PKP1* | 0.81 | 1.32E-02 | 5.11E-02 | 0.81 | 5.55E-03 | 3.21E-02 | 0.81 | 4.20E-03 | 2.13E-02 | 1.05 | 4.60E-01 | 7.38E-01 |
| 207717\_s\_at | *PKP2* | 0.68 | 5.29E-03 | 2.56E-02 | 0.83 | 1.92E-01 | 3.81E-01 | 0.74 | 3.59E-02 | 1.08E-01 | 1.52 | 2.48E-02 | 1.73E-01 |
| 214154\_s\_at | *PKP2* | 0.69 | 4.36E-02 | 1.25E-01 | 0.68 | 7.79E-02 | 2.07E-01 | 0.68 | 4.42E-02 | 1.26E-01 | 1.31 | 2.43E-01 | 5.55E-01 |
| 209872\_s\_at | *PKP3* | 0.84 | 3.22E-01 | 5.07E-01 | 0.77 | 1.44E-01 | 3.17E-01 | 0.81 | 2.15E-01 | 3.88E-01 | 1.06 | 7.84E-01 | 9.16E-01 |
| 209873\_s\_at | *PKP3* | 0.88 | 3.32E-01 | 5.17E-01 | 0.79 | 3.02E-02 | 1.07E-01 | 0.84 | 1.33E-01 | 2.79E-01 | 1.13 | 2.45E-01 | 5.57E-01 |
| 201927\_s\_at | *PKP4* | 1.77 | 4.13E-05 | 5.65E-04 | 1.61 | 3.10E-05 | 8.04E-04 | 1.70 | 7.62E-06 | 1.49E-04 | 1.26 | 2.36E-02 | 1.68E-01 |
| 201928\_at | *PKP4* | 1.43 | 1.49E-03 | 9.73E-03 | 1.34 | 3.10E-02 | 1.09E-01 | 1.39 | 4.17E-03 | 2.12E-02 | 1.22 | 3.33E-02 | 2.02E-01 |
| 201929\_s\_at | *PKP4* | 1.33 | 1.50E-02 | 5.63E-02 | 1.21 | 1.97E-01 | 3.87E-01 | 1.27 | 4.97E-02 | 1.38E-01 | 1.23 | 3.91E-02 | 2.21E-01 |
| 214874\_at | *PKP4* | 1.27 | 6.48E-03 | 2.99E-02 | 1.24 | 7.84E-03 | 4.14E-02 | 1.26 | 4.87E-03 | 2.38E-02 | 1.22 | 7.54E-03 | 8.66E-02 |
| 201373\_at | *PLEC1* | 1.07 | 6.35E-01 | 7.79E-01 | 0.96 | 7.33E-01 | 8.52E-01 | 1.02 | 8.99E-01 | 9.45E-01 | 1.09 | 4.14E-01 | 7.04E-01 |
| 216971\_s\_at | *PLEC1* | 1.21 | 3.14E-01 | 4.99E-01 | 1.00 | 9.81E-01 | 9.91E-01 | 1.11 | 5.81E-01 | 7.38E-01 | 1.17 | 4.30E-01 | 7.17E-01 |
| 228450\_at | *PLEKHA7* | 0.77 | 7.09E-02 | 1.78E-01 | 0.85 | 2.14E-01 | 4.09E-01 | 0.80 | 1.11E-01 | 2.46E-01 | 1.05 | 6.02E-01 | 8.26E-01 |
| 203407\_at | *PPL* | 1.04 | 8.12E-01 | 8.94E-01 | 0.90 | 5.77E-01 | 7.47E-01 | 0.97 | 8.75E-01 | 9.31E-01 | 0.64 | 1.23E-03 | 2.89E-02 |
| 204896\_s\_at | *PTGER4* | 0.98 | 8.92E-01 | 9.42E-01 | 0.95 | 7.15E-01 | 8.41E-01 | 0.97 | 8.06E-01 | 8.91E-01 | 1.13 | 3.04E-01 | 6.14E-01 |
| 204897\_at | *PTGER4* | 1.04 | 8.03E-01 | 8.88E-01 | 1.15 | 3.09E-01 | 5.17E-01 | 1.09 | 5.54E-01 | 7.18E-01 | 1.33 | 1.16E-02 | 1.12E-01 |
| 204935\_at | *PTPN2* | 1.21 | 2.19E-02 | 7.50E-02 | 1.26 | 3.68E-02 | 1.24E-01 | 1.23 | 2.50E-02 | 8.23E-02 | 1.13 | 9.94E-02 | 3.61E-01 |
| 213136\_at | *PTPN2* | 0.96 | 5.98E-01 | 7.52E-01 | 0.96 | 6.14E-01 | 7.73E-01 | 0.96 | 5.91E-01 | 7.46E-01 | 0.91 | 3.15E-01 | 6.23E-01 |
| 213137\_s\_at | *PTPN2* | 1.02 | 7.83E-01 | 8.76E-01 | 1.10 | 4.22E-01 | 6.24E-01 | 1.06 | 5.84E-01 | 7.40E-01 | 0.87 | 2.06E-01 | 5.14E-01 |
| 241622\_at | *PTPN2* | 1.04 | 5.68E-01 | 7.28E-01 | 1.00 | 9.47E-01 | 9.74E-01 | 1.02 | 7.15E-01 | 8.33E-01 | 0.98 | 7.68E-01 | 9.09E-01 |
| 241623\_at | *PTPN2* | 1.12 | 1.69E-01 | 3.27E-01 | 1.12 | 3.54E-02 | 1.20E-01 | 1.12 | 9.85E-02 | 2.25E-01 | 1.09 | 1.90E-01 | 4.94E-01 |
| 241983\_at | *PTPN2* | 1.06 | 4.30E-01 | 6.14E-01 | 0.99 | 9.18E-01 | 9.59E-01 | 1.03 | 6.50E-01 | 7.90E-01 | 1.01 | 9.18E-01 | 9.71E-01 |
| 223969\_s\_at | *RETNLB* | 0.70 | 5.01E-01 | 6.75E-01 | 1.35 | 5.21E-01 | 7.06E-01 | 0.94 | 8.98E-01 | 9.44E-01 | 1.55 | 3.12E-01 | 6.20E-01 |
| 223970\_at | *RETNLB* | 0.83 | 6.58E-01 | 7.95E-01 | 1.37 | 4.30E-01 | 6.31E-01 | 1.04 | 9.29E-01 | 9.62E-01 | 1.47 | 3.73E-01 | 6.72E-01 |
| 1555814\_a\_at | *RHOA* | 0.94 | 5.80E-01 | 7.38E-01 | 0.83 | 2.29E-01 | 4.27E-01 | 0.89 | 3.77E-01 | 5.63E-01 | 0.88 | 3.76E-01 | 6.74E-01 |
| 200059\_s\_at | *RHOA* | 1.09 | 5.32E-02 | 1.44E-01 | 1.03 | 5.73E-01 | 7.44E-01 | 1.07 | 1.85E-01 | 3.50E-01 | 1.07 | 2.24E-01 | 5.35E-01 |
| 240337\_at | *RHOA* | 1.01 | 7.73E-01 | 8.70E-01 | 0.99 | 8.27E-01 | 9.09E-01 | 1.00 | 9.62E-01 | 9.79E-01 | 1.05 | 2.02E-01 | 5.09E-01 |
| 213044\_at | *ROCK1* | 1.30 | 5.46E-03 | 2.63E-02 | 1.27 | 9.52E-03 | 4.75E-02 | 1.29 | 4.22E-03 | 2.14E-02 | 0.86 | 1.42E-01 | 4.28E-01 |
| 214578\_s\_at | *ROCK1* | 1.27 | 3.15E-02 | 9.81E-02 | 1.16 | 2.17E-01 | 4.13E-01 | 1.22 | 7.59E-02 | 1.86E-01 | 0.80 | 6.40E-02 | 2.87E-01 |
| 230239\_at | *ROCK1* | 0.87 | 3.42E-02 | 1.04E-01 | 0.85 | 1.39E-02 | 6.22E-02 | 0.86 | 1.25E-02 | 4.88E-02 | 0.97 | 6.78E-01 | 8.66E-01 |
| 235854\_x\_at | *ROCK1* | 0.94 | 3.56E-01 | 5.43E-01 | 0.92 | 3.36E-01 | 5.45E-01 | 0.93 | 3.34E-01 | 5.21E-01 | 0.94 | 4.12E-01 | 7.03E-01 |
| 202762\_at | *ROCK2* | 0.71 | 6.47E-03 | 2.99E-02 | 0.74 | 3.34E-03 | 2.23E-02 | 0.72 | 2.50E-03 | 1.43E-02 | 0.82 | 3.36E-02 | 2.03E-01 |
| 211504\_x\_at | *ROCK2* | 0.87 | 6.03E-02 | 1.58E-01 | 0.86 | 3.90E-02 | 1.29E-01 | 0.87 | 3.89E-02 | 1.14E-01 | 1.00 | 9.96E-01 | 9.99E-01 |
| 1554595\_at | *SYMPK* | 1.10 | 3.48E-01 | 5.35E-01 | 1.08 | 5.13E-01 | 7.00E-01 | 1.09 | 4.18E-01 | 6.00E-01 | 1.10 | 3.07E-01 | 6.15E-01 |
| 202339\_at | *SYMPK* | 0.86 | 6.33E-02 | 1.64E-01 | 0.77 | 1.38E-03 | 1.20E-02 | 0.82 | 1.03E-02 | 4.20E-02 | 0.85 | 6.34E-02 | 2.85E-01 |
| 32402\_s\_at | *SYMPK* | 1.07 | 3.76E-01 | 5.62E-01 | 0.97 | 7.49E-01 | 8.63E-01 | 1.02 | 7.68E-01 | 8.67E-01 | 0.95 | 5.30E-01 | 7.84E-01 |
| 203753\_at | *TCF4* | 5.17 | 1.85E-06 | 4.67E-05 | 4.23 | 2.93E-05 | 7.73E-04 | 4.73 | 8.91E-07 | 2.56E-05 | 1.04 | 9.21E-01 | 9.72E-01 |
| 212382\_at | *TCF4* | 3.15 | 1.52E-05 | 2.51E-04 | 2.62 | 1.69E-04 | 2.66E-03 | 2.91 | 1.85E-05 | 3.05E-04 | 1.22 | 4.95E-01 | 7.61E-01 |
| 212385\_at | *TCF4* | 3.65 | 2.11E-05 | 3.27E-04 | 3.14 | 1.31E-04 | 2.21E-03 | 3.42 | 1.78E-05 | 2.95E-04 | 0.92 | 7.80E-01 | 9.15E-01 |
| 212386\_at | *TCF4* | 5.03 | 2.61E-07 | 9.52E-06 | 4.07 | 3.87E-05 | 9.30E-04 | 4.58 | 3.09E-07 | 1.10E-05 | 1.02 | 9.54E-01 | 9.83E-01 |
| 212387\_at | *TCF4* | 3.84 | 1.30E-06 | 3.51E-05 | 3.16 | 4.15E-05 | 9.76E-04 | 3.52 | 1.23E-06 | 3.30E-05 | 0.95 | 8.67E-01 | 9.52E-01 |
| 213891\_s\_at | *TCF4* | 4.98 | 6.68E-07 | 2.04E-05 | 3.91 | 8.31E-05 | 1.59E-03 | 4.47 | 1.12E-06 | 3.07E-05 | 1.02 | 9.47E-01 | 9.81E-01 |
| 222146\_s\_at | *TCF4* | 4.63 | 8.47E-06 | 1.57E-04 | 3.60 | 2.20E-04 | 3.21E-03 | 4.14 | 1.25E-05 | 2.22E-04 | 1.09 | 7.94E-01 | 9.21E-01 |
| 228837\_at | *TCF4* | 1.55 | 7.98E-04 | 5.97E-03 | 1.49 | 4.17E-03 | 2.62E-02 | 1.52 | 1.15E-03 | 7.85E-03 | 0.94 | 7.41E-01 | 8.97E-01 |
| 205009\_at | *TFF1* | 3.61 | 8.82E-08 | 4.01E-06 | 2.27 | 4.27E-03 | 2.66E-02 | 2.94 | 1.43E-05 | 2.49E-04 | 2.94 | 1.78E-04 | 8.94E-03 |
| 214476\_at | *TFF2* | 3.11 | 1.17E-04 | 1.31E-03 | 2.10 | 3.12E-02 | 1.10E-01 | 2.62 | 2.38E-03 | 1.38E-02 | 4.06 | 2.30E-02 | 1.65E-01 |
| 204623\_at | *TFF3* | 1.27 | 1.79E-01 | 3.40E-01 | 1.46 | 2.50E-02 | 9.42E-02 | 1.35 | 6.37E-02 | 1.64E-01 | 1.86 | 1.39E-05 | 1.93E-03 |
| 202011\_at | *TJP1* | 0.70 | 7.68E-06 | 1.45E-04 | 0.71 | 2.21E-04 | 3.23E-03 | 0.70 | 6.23E-06 | 1.26E-04 | 0.87 | 8.80E-02 | 3.39E-01 |
| 214168\_s\_at | *TJP1* | 0.64 | 1.65E-04 | 1.72E-03 | 0.58 | 2.29E-03 | 1.71E-02 | 0.62 | 3.40E-04 | 3.05E-03 | 0.72 | 2.34E-02 | 1.67E-01 |
| 202085\_at | *TJP2* | 0.98 | 8.31E-01 | 9.06E-01 | 1.02 | 8.55E-01 | 9.25E-01 | 0.99 | 9.57E-01 | 9.76E-01 | 0.89 | 1.35E-01 | 4.18E-01 |
| 232017\_at | *TJP2* | 0.92 | 6.64E-01 | 7.99E-01 | 1.05 | 7.59E-01 | 8.69E-01 | 0.97 | 8.78E-01 | 9.33E-01 | 0.99 | 9.71E-01 | 9.89E-01 |
| 237132\_at | *TJP2* | 1.18 | 4.88E-03 | 2.41E-02 | 1.18 | 3.63E-02 | 1.22E-01 | 1.18 | 1.02E-02 | 4.17E-02 | 1.04 | 5.67E-01 | 8.06E-01 |
| 242991\_at | *TJP2* | 0.96 | 4.38E-01 | 6.22E-01 | 0.99 | 8.69E-01 | 9.33E-01 | 0.97 | 6.07E-01 | 7.59E-01 | 1.05 | 4.13E-01 | 7.04E-01 |
| 213412\_at | *TJP3* | 0.59 | 5.88E-04 | 4.71E-03 | 0.63 | 1.20E-03 | 1.09E-02 | 0.61 | 4.12E-04 | 3.55E-03 | 1.10 | 3.48E-01 | 6.51E-01 |
| 35148\_at | *TJP3* | 0.55 | 1.91E-04 | 1.93E-03 | 0.60 | 5.82E-04 | 6.47E-03 | 0.57 | 1.51E-04 | 1.61E-03 | 1.05 | 6.74E-01 | 8.64E-01 |
| 204253\_s\_at | *VDR* | 0.81 | 1.35E-02 | 5.21E-02 | 0.85 | 1.09E-01 | 2.61E-01 | 0.83 | 2.96E-02 | 9.34E-02 | 0.79 | 1.60E-02 | 1.35E-01 |
| 204254\_s\_at | *VDR* | 0.51 | 1.92E-07 | 7.43E-06 | 0.63 | 7.31E-04 | 7.64E-03 | 0.56 | 8.88E-06 | 1.68E-04 | 0.72 | 4.27E-04 | 1.55E-02 |
| 204255\_s\_at | *VDR* | 0.67 | 1.28E-03 | 8.64E-03 | 0.75 | 3.53E-02 | 1.20E-01 | 0.70 | 5.06E-03 | 2.45E-02 | 0.77 | 2.03E-02 | 1.55E-01 |
| 213692\_s\_at | *VDR* | 0.82 | 7.07E-03 | 3.20E-02 | 0.84 | 4.08E-02 | 1.33E-01 | 0.83 | 6.47E-03 | 2.96E-02 | 0.84 | 7.65E-03 | 8.74E-02 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Probeset ID** | **Gene symbol** | **UC R after therapy (n=8)  versus  UC R before therapy (n=8)** | | | **CDc R after therapy (n=11)**  **versus CDc R before therapy (n=11)** | | | **IBDc R after therapy (n=19)  versus IBDc R before therapy (n=19)** | | | **CDi R after therapy (n=8)  versus CDi R before therapy (n=8)** | | |
|
|
| **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** |
| 209521\_s\_at | *AMOT* | 1.00 | 9.38E-01 | 9.84E-01 | 0.87 | 1.45E-02 | 1.97E-01 | 0.92 | 3.93E-02 | 1.82E-01 | 0.97 | 5.98E-01 | 9.11E-01 |
| 225450\_at | *AMOTL1* | 1.15 | 2.81E-01 | 6.38E-01 | 0.86 | 1.35E-01 | 5.65E-01 | 0.97 | 7.40E-01 | 9.01E-01 | 1.00 | 9.77E-01 | 9.97E-01 |
| 225459\_at | *AMOTL1* | 0.97 | 7.25E-01 | 9.12E-01 | 0.95 | 3.01E-01 | 7.45E-01 | 0.96 | 3.06E-01 | 6.11E-01 | 1.02 | 7.38E-01 | 9.46E-01 |
| 228840\_at | *AMOTL1* | 1.12 | 1.39E-01 | 4.57E-01 | 0.97 | 6.66E-01 | 9.24E-01 | 1.03 | 5.31E-01 | 7.88E-01 | 0.97 | 5.66E-01 | 9.01E-01 |
| 235277\_at | *AMOTL1* | 0.98 | 7.50E-01 | 9.21E-01 | 1.04 | 5.40E-01 | 8.81E-01 | 1.01 | 7.81E-01 | 9.19E-01 | 1.04 | 5.82E-01 | 9.06E-01 |
| 203002\_at | *AMOTL2* | 0.74 | 1.34E-02 | 1.13E-01 | 1.00 | 9.78E-01 | 9.96E-01 | 0.88 | 1.93E-01 | 4.79E-01 | 1.00 | 9.72E-01 | 9.95E-01 |
| 201130\_s\_at | *CDH1* | 0.89 | 3.19E-01 | 6.73E-01 | 1.04 | 7.77E-01 | 9.54E-01 | 0.98 | 8.23E-01 | 9.37E-01 | 0.70 | 4.24E-02 | 5.16E-01 |
| 201131\_s\_at | *CDH1* | 0.96 | 4.68E-01 | 7.85E-01 | 1.08 | 2.70E-01 | 7.21E-01 | 1.03 | 5.32E-01 | 7.89E-01 | 1.09 | 1.29E-01 | 6.65E-01 |
| 223232\_s\_at | *CGN* | 0.90 | 3.20E-01 | 6.73E-01 | 1.05 | 5.95E-01 | 9.03E-01 | 0.99 | 8.73E-01 | 9.56E-01 | 1.11 | 2.11E-01 | 7.40E-01 |
| 223233\_s\_at | *CGN* | 0.81 | 6.97E-03 | 7.52E-02 | 0.98 | 8.33E-01 | 9.68E-01 | 0.91 | 1.71E-01 | 4.49E-01 | 1.13 | 2.75E-02 | 4.62E-01 |
| 1569847\_at | *CGNL1* | 0.94 | 2.17E-01 | 5.69E-01 | 0.96 | 4.91E-01 | 8.61E-01 | 0.95 | 1.80E-01 | 4.62E-01 | 1.03 | 6.63E-01 | 9.28E-01 |
| 225817\_at | *CGNL1* | 1.28 | 3.76E-02 | 2.17E-01 | 0.87 | 6.72E-02 | 4.19E-01 | 1.03 | 7.32E-01 | 8.97E-01 | 0.90 | 2.64E-01 | 7.73E-01 |
| 218182\_s\_at | *CLDN1* | 0.55 | 2.03E-03 | 3.43E-02 | 0.72 | 2.99E-03 | 8.56E-02 | 0.64 | 7.44E-05 | 2.12E-03 | 0.95 | 3.54E-01 | 8.19E-01 |
| 222549\_at | *CLDN1* | 0.29 | 3.79E-05 | 3.29E-03 | 0.45 | 7.82E-04 | 4.22E-02 | 0.37 | 1.21E-06 | 1.36E-04 | 0.74 | 4.50E-02 | 5.21E-01 |
| 1556687\_a\_at | *CLDN10* | 1.02 | 8.59E-01 | 9.60E-01 | 1.08 | 1.28E-01 | 5.53E-01 | 1.06 | 3.09E-01 | 6.14E-01 | 0.98 | 8.36E-01 | 9.69E-01 |
| 205328\_at | *CLDN10* | 0.88 | 3.04E-01 | 6.60E-01 | 0.92 | 2.78E-01 | 7.28E-01 | 0.90 | 1.50E-01 | 4.16E-01 | 1.01 | 7.91E-01 | 9.60E-01 |
| 206908\_s\_at | *CLDN11* | 1.00 | 9.44E-01 | 9.85E-01 | 1.04 | 4.89E-01 | 8.61E-01 | 1.02 | 5.40E-01 | 7.93E-01 | 1.10 | 1.78E-01 | 7.10E-01 |
| 228335\_at | *CLDN11* | 1.03 | 7.58E-01 | 9.25E-01 | 0.99 | 8.20E-01 | 9.65E-01 | 1.01 | 9.12E-01 | 9.69E-01 | 1.02 | 7.26E-01 | 9.43E-01 |
| 223249\_at | *CLDN12* | 0.65 | 7.44E-04 | 1.84E-02 | 0.76 | 2.38E-02 | 2.55E-01 | 0.71 | 2.48E-04 | 5.00E-03 | 1.02 | 8.81E-01 | 9.78E-01 |
| 210689\_at | *CLDN14* | 0.72 | 5.28E-03 | 6.30E-02 | 0.81 | 5.14E-02 | 3.70E-01 | 0.77 | 1.68E-03 | 1.97E-02 | 1.09 | 2.72E-01 | 7.78E-01 |
| 1552845\_at | *CLDN15* | 1.11 | 1.55E-01 | 4.82E-01 | 0.92 | 3.56E-01 | 7.85E-01 | 1.00 | 9.54E-01 | 9.84E-01 | 1.33 | 2.15E-02 | 4.39E-01 |
| 219640\_at | *CLDN15* | 1.29 | 1.91E-03 | 3.30E-02 | 1.11 | 1.26E-01 | 5.50E-01 | 1.18 | 1.78E-03 | 2.06E-02 | 1.39 | 7.31E-02 | 5.84E-01 |
| 220332\_at | *CLDN16* | 0.92 | 3.02E-01 | 6.58E-01 | 1.02 | 7.46E-01 | 9.46E-01 | 0.98 | 6.59E-01 | 8.62E-01 | 0.98 | 8.06E-01 | 9.63E-01 |
| 221328\_at | *CLDN17* | 0.96 | 5.75E-01 | 8.47E-01 | 0.96 | 4.36E-01 | 8.34E-01 | 0.96 | 3.29E-01 | 6.32E-01 | 1.11 | 1.48E-01 | 6.84E-01 |
| 214135\_at | *CLDN18* | 0.59 | 8.01E-03 | 8.25E-02 | 0.79 | 1.34E-01 | 5.63E-01 | 0.70 | 6.72E-03 | 5.33E-02 | 1.16 | 6.03E-01 | 9.12E-01 |
| 221132\_at | *CLDN18* | 0.89 | 3.35E-01 | 6.87E-01 | 0.93 | 4.17E-01 | 8.22E-01 | 0.91 | 2.22E-01 | 5.16E-01 | 1.30 | 2.73E-01 | 7.78E-01 |
| 221133\_s\_at | *CLDN18* | 0.68 | 1.05E-02 | 9.79E-02 | 0.84 | 8.27E-02 | 4.62E-01 | 0.77 | 3.87E-03 | 3.58E-02 | 1.37 | 1.83E-01 | 7.16E-01 |
| 232578\_at | *CLDN18* | 0.68 | 1.00E-01 | 3.84E-01 | 0.81 | 1.57E-01 | 5.95E-01 | 0.75 | 4.09E-02 | 1.86E-01 | 1.18 | 6.94E-01 | 9.36E-01 |
| 1552535\_at | *CLDN19* | 0.97 | 6.91E-01 | 9.00E-01 | 0.90 | 8.98E-02 | 4.79E-01 | 0.93 | 1.10E-01 | 3.48E-01 | 1.09 | 9.98E-02 | 6.25E-01 |
| 1554804\_a\_at | *CLDN19* | 1.00 | 9.59E-01 | 9.89E-01 | 1.08 | 3.83E-01 | 8.04E-01 | 1.05 | 4.44E-01 | 7.29E-01 | 0.99 | 8.73E-01 | 9.77E-01 |
| 1554805\_at | *CLDN19* | 0.94 | 4.71E-01 | 7.86E-01 | 1.09 | 2.29E-01 | 6.83E-01 | 1.03 | 6.42E-01 | 8.53E-01 | 1.09 | 3.02E-01 | 7.94E-01 |
| 223509\_at | *CLDN2* | 0.39 | 1.14E-04 | 6.23E-03 | 0.70 | 1.03E-02 | 1.64E-01 | 0.55 | 4.73E-05 | 1.56E-03 | 1.23 | 1.56E-01 | 6.90E-01 |
| 1554812\_at | *CLDN20* | 1.07 | 2.85E-01 | 6.42E-01 | 1.05 | 3.11E-01 | 7.53E-01 | 1.05 | 1.08E-01 | 3.44E-01 | 1.08 | 2.12E-01 | 7.41E-01 |
| 222738\_at | *CLDN22* | 0.90 | 2.68E-01 | 6.25E-01 | 0.93 | 1.95E-01 | 6.44E-01 | 0.92 | 9.10E-02 | 3.10E-01 | 1.03 | 6.26E-01 | 9.18E-01 |
| 228704\_s\_at | *CLDN23* | 1.01 | 9.16E-01 | 9.77E-01 | 1.01 | 9.12E-01 | 9.83E-01 | 1.01 | 8.78E-01 | 9.58E-01 | 1.07 | 3.69E-01 | 8.25E-01 |
| 228706\_s\_at | *CLDN23* | 1.21 | 1.34E-01 | 4.48E-01 | 1.34 | 1.14E-01 | 5.31E-01 | 1.28 | 4.55E-02 | 2.00E-01 | 1.30 | 8.26E-02 | 6.01E-01 |
| 228707\_at | *CLDN23* | 1.06 | 6.63E-01 | 8.87E-01 | 1.34 | 6.97E-02 | 4.26E-01 | 1.22 | 9.44E-02 | 3.18E-01 | 1.26 | 1.52E-01 | 6.87E-01 |
| 203953\_s\_at | *CLDN3* | 1.13 | 1.37E-01 | 4.53E-01 | 1.20 | 1.48E-02 | 1.99E-01 | 1.17 | 4.64E-03 | 4.09E-02 | 0.91 | 4.41E-01 | 8.58E-01 |
| 203954\_x\_at | *CLDN3* | 1.14 | 7.37E-02 | 3.24E-01 | 1.19 | 1.34E-02 | 1.88E-01 | 1.17 | 1.97E-03 | 2.22E-02 | 0.96 | 6.65E-01 | 9.28E-01 |
| 1569421\_at | *CLDN4* | 1.11 | 1.77E-01 | 5.16E-01 | 0.98 | 7.50E-01 | 9.48E-01 | 1.03 | 5.32E-01 | 7.88E-01 | 1.05 | 4.74E-01 | 8.70E-01 |
| 201428\_at | *CLDN4* | 1.07 | 2.93E-01 | 6.49E-01 | 1.11 | 2.09E-01 | 6.59E-01 | 1.09 | 1.01E-01 | 3.31E-01 | 1.12 | 2.93E-01 | 7.90E-01 |
| 204482\_at | *CLDN5* | 0.90 | 2.19E-01 | 5.72E-01 | 0.92 | 2.56E-01 | 7.09E-01 | 0.91 | 9.61E-02 | 3.21E-01 | 0.91 | 2.39E-01 | 7.58E-01 |
| 208474\_at | *CLDN6* | 1.00 | 9.77E-01 | 9.94E-01 | 1.17 | 2.08E-02 | 2.38E-01 | 1.09 | 5.71E-02 | 2.31E-01 | 1.02 | 7.74E-01 | 9.56E-01 |
| 237810\_at | *CLDN6* | 0.94 | 4.53E-01 | 7.75E-01 | 0.99 | 8.69E-01 | 9.75E-01 | 0.97 | 5.05E-01 | 7.70E-01 | 1.09 | 1.28E-01 | 6.62E-01 |
| 202790\_at | *CLDN7* | 0.96 | 4.50E-01 | 7.73E-01 | 1.03 | 6.40E-01 | 9.16E-01 | 1.00 | 9.50E-01 | 9.83E-01 | 1.14 | 3.33E-02 | 4.82E-01 |
| 214598\_at | *CLDN8* | 10.32 | 9.75E-05 | 5.76E-03 | 3.18 | 2.53E-02 | 2.63E-01 | 5.22 | 1.25E-04 | 3.11E-03 | 1.06 | 6.94E-01 | 9.36E-01 |
| 214635\_at | *CLDN9* | 0.90 | 1.80E-01 | 5.20E-01 | 1.03 | 5.65E-01 | 8.91E-01 | 0.97 | 5.63E-01 | 8.08E-01 | 1.06 | 3.34E-01 | 8.10E-01 |
| 1558214\_s\_at | *CTNNA1* | 0.65 | 1.74E-03 | 3.13E-02 | 0.83 | 2.90E-01 | 7.37E-01 | 0.75 | 1.96E-02 | 1.13E-01 | 0.66 | 1.76E-02 | 4.27E-01 |
| 200764\_s\_at | *CTNNA1* | 0.80 | 9.22E-03 | 9.01E-02 | 0.89 | 1.24E-01 | 5.47E-01 | 0.85 | 4.93E-03 | 4.27E-02 | 0.97 | 6.31E-01 | 9.18E-01 |
| 200765\_x\_at | *CTNNA1* | 0.77 | 1.31E-03 | 2.62E-02 | 0.89 | 1.40E-01 | 5.70E-01 | 0.84 | 2.24E-03 | 2.43E-02 | 0.98 | 7.02E-01 | 9.38E-01 |
| 210844\_x\_at | *CTNNA1* | 0.78 | 3.21E-03 | 4.60E-02 | 0.90 | 1.90E-01 | 6.37E-01 | 0.85 | 6.19E-03 | 5.02E-02 | 1.02 | 7.99E-01 | 9.61E-01 |
| 215883\_at | *CTNNA1* | 1.02 | 7.54E-01 | 9.23E-01 | 0.98 | 8.67E-01 | 9.75E-01 | 1.00 | 9.87E-01 | 9.96E-01 | 1.06 | 2.89E-01 | 7.87E-01 |
| 1554411\_at | *CTNNB1* | 0.54 | 9.23E-04 | 2.09E-02 | 0.70 | 1.12E-02 | 1.71E-01 | 0.63 | 1.14E-04 | 2.91E-03 | 0.98 | 8.49E-01 | 9.72E-01 |
| 201533\_at | *CTNNB1* | 0.88 | 1.19E-01 | 4.21E-01 | 0.96 | 6.55E-01 | 9.21E-01 | 0.93 | 1.98E-01 | 4.86E-01 | 1.03 | 7.52E-01 | 9.50E-01 |
| 223679\_at | *CTNNB1* | 1.05 | 6.69E-01 | 8.90E-01 | 1.12 | 1.80E-01 | 6.25E-01 | 1.09 | 2.28E-01 | 5.24E-01 | 0.97 | 8.23E-01 | 9.66E-01 |
| 1557944\_s\_at | *CTNND1* | 1.07 | 4.92E-01 | 8.00E-01 | 0.99 | 9.05E-01 | 9.81E-01 | 1.02 | 6.65E-01 | 8.65E-01 | 0.91 | 3.68E-01 | 8.25E-01 |
| 208407\_s\_at | *CTNND1* | 1.34 | 4.06E-04 | 1.27E-02 | 1.20 | 9.96E-04 | 4.77E-02 | 1.26 | 1.22E-06 | 1.36E-04 | 1.01 | 9.05E-01 | 9.84E-01 |
| 208862\_s\_at | *CTNND1* | 0.88 | 1.20E-01 | 4.22E-01 | 1.00 | 9.17E-01 | 9.84E-01 | 0.95 | 2.50E-01 | 5.52E-01 | 1.08 | 3.25E-01 | 8.06E-01 |
| 211240\_x\_at | *CTNND1* | 0.92 | 2.12E-01 | 5.64E-01 | 1.07 | 2.86E-01 | 7.34E-01 | 1.00 | 9.55E-01 | 9.85E-01 | 1.07 | 3.23E-01 | 8.06E-01 |
| 1555716\_a\_at | *CXADR* | 0.87 | 2.09E-01 | 5.59E-01 | 0.96 | 7.83E-01 | 9.55E-01 | 0.92 | 4.35E-01 | 7.21E-01 | 0.90 | 4.54E-01 | 8.63E-01 |
| 203917\_at | *CXADR* | 0.95 | 3.62E-01 | 7.10E-01 | 1.02 | 7.45E-01 | 9.46E-01 | 0.99 | 8.17E-01 | 9.34E-01 | 1.08 | 2.87E-01 | 7.86E-01 |
| 207324\_s\_at | *DSC1* | 1.07 | 3.29E-01 | 6.82E-01 | 1.08 | 2.49E-01 | 7.03E-01 | 1.07 | 1.21E-01 | 3.69E-01 | 1.00 | 9.99E-01 | 1.00E+00 |
| 204750\_s\_at | *DSC2* | 0.83 | 1.52E-01 | 4.78E-01 | 1.05 | 5.69E-01 | 8.92E-01 | 0.95 | 5.55E-01 | 8.04E-01 | 1.49 | 5.72E-03 | 3.37E-01 |
| 204751\_x\_at | *DSC2* | 0.80 | 3.05E-02 | 1.91E-01 | 1.02 | 8.40E-01 | 9.69E-01 | 0.92 | 3.38E-01 | 6.41E-01 | 1.15 | 9.70E-02 | 6.22E-01 |
| 226817\_at | *DSC2* | 0.98 | 7.36E-01 | 9.16E-01 | 1.02 | 6.96E-01 | 9.32E-01 | 1.00 | 9.23E-01 | 9.73E-01 | 1.24 | 1.04E-02 | 3.78E-01 |
| 206032\_at | *DSC3* | 0.94 | 2.79E-01 | 6.36E-01 | 1.00 | 9.51E-01 | 9.91E-01 | 0.97 | 3.75E-01 | 6.73E-01 | 1.02 | 7.77E-01 | 9.56E-01 |
| 206033\_s\_at | *DSC3* | 1.16 | 1.11E-01 | 4.06E-01 | 1.05 | 3.25E-01 | 7.64E-01 | 1.10 | 6.38E-02 | 2.48E-01 | 0.95 | 4.32E-01 | 8.54E-01 |
| 206642\_at | *DSG1* | 0.98 | 7.93E-01 | 9.38E-01 | 0.99 | 8.38E-01 | 9.69E-01 | 0.99 | 7.24E-01 | 8.93E-01 | 0.95 | 3.53E-01 | 8.19E-01 |
| 1553105\_s\_at | *DSG2* | 0.86 | 4.76E-02 | 2.51E-01 | 1.08 | 3.65E-01 | 7.92E-01 | 0.98 | 7.63E-01 | 9.11E-01 | 0.90 | 3.68E-01 | 8.25E-01 |
| 217901\_at | *DSG2* | 0.87 | 3.34E-02 | 2.02E-01 | 1.04 | 4.91E-01 | 8.61E-01 | 0.97 | 4.27E-01 | 7.15E-01 | 1.13 | 2.50E-02 | 4.54E-01 |
| 205595\_at | *DSG3* | 0.21 | 4.40E-04 | 1.33E-02 | 0.72 | 4.85E-02 | 3.59E-01 | 0.43 | 6.79E-04 | 1.03E-02 | 1.10 | 5.73E-01 | 9.04E-01 |
| 235075\_at | *DSG3* | 0.19 | 1.63E-03 | 3.01E-02 | 0.81 | 3.18E-01 | 7.59E-01 | 0.44 | 5.75E-03 | 4.78E-02 | 1.12 | 4.05E-01 | 8.44E-01 |
| 1561330\_at | *DSG4* | 0.92 | 1.86E-01 | 5.28E-01 | 0.98 | 7.07E-01 | 9.35E-01 | 0.95 | 2.59E-01 | 5.61E-01 | 0.96 | 5.86E-01 | 9.07E-01 |
| 200606\_at | *DSP* | 1.27 | 4.75E-03 | 5.91E-02 | 1.23 | 4.55E-03 | 1.08E-01 | 1.24 | 6.21E-05 | 1.87E-03 | 1.01 | 9.04E-01 | 9.83E-01 |
| 215810\_x\_at | *DST* | 1.03 | 7.06E-01 | 9.06E-01 | 0.94 | 2.91E-01 | 7.37E-01 | 0.98 | 5.73E-01 | 8.13E-01 | 0.96 | 5.07E-01 | 8.83E-01 |
| 215814\_at | *DST* | 1.00 | 9.92E-01 | 9.98E-01 | 1.00 | 9.81E-01 | 9.97E-01 | 1.00 | 9.86E-01 | 9.95E-01 | 1.03 | 6.74E-01 | 9.31E-01 |
| 220154\_at | *DST* | 0.94 | 4.35E-01 | 7.64E-01 | 1.01 | 8.21E-01 | 9.66E-01 | 0.98 | 6.94E-01 | 8.80E-01 | 0.85 | 5.28E-02 | 5.41E-01 |
| 209365\_s\_at | *ECM1* | 0.79 | 3.58E-03 | 4.91E-02 | 0.87 | 7.31E-02 | 4.36E-01 | 0.83 | 1.75E-03 | 2.04E-02 | 0.86 | 3.92E-02 | 5.04E-01 |
| 219436\_s\_at | *EMCN* | 0.85 | 2.79E-01 | 6.36E-01 | 0.78 | 9.76E-03 | 1.60E-01 | 0.81 | 1.63E-02 | 9.95E-02 | 0.90 | 4.29E-01 | 8.52E-01 |
| 222885\_at | *EMCN* | 0.72 | 8.93E-02 | 3.61E-01 | 0.85 | 1.46E-01 | 5.79E-01 | 0.79 | 3.45E-02 | 1.66E-01 | 0.87 | 1.92E-01 | 7.26E-01 |
| 227874\_at | *EMCN* | 0.96 | 7.61E-01 | 9.26E-01 | 0.99 | 9.16E-01 | 9.84E-01 | 0.98 | 7.72E-01 | 9.15E-01 | 0.99 | 9.02E-01 | 9.83E-01 |
| 222354\_at | *F11R* | 0.91 | 4.35E-01 | 7.63E-01 | 1.13 | 1.78E-01 | 6.22E-01 | 1.03 | 6.52E-01 | 8.59E-01 | 1.28 | 3.91E-03 | 3.07E-01 |
| 223000\_s\_at | *F11R* | 0.86 | 1.43E-02 | 1.18E-01 | 1.01 | 8.83E-01 | 9.78E-01 | 0.95 | 2.31E-01 | 5.28E-01 | 1.13 | 4.27E-02 | 5.16E-01 |
| 224097\_s\_at | *F11R* | 0.56 | 3.58E-06 | 1.05E-03 | 0.82 | 1.96E-01 | 6.45E-01 | 0.70 | 1.72E-03 | 2.01E-02 | 1.20 | 1.22E-01 | 6.56E-01 |
| 221664\_s\_at | *F11R* | 0.76 | 3.63E-04 | 1.19E-02 | 0.96 | 6.70E-01 | 9.25E-01 | 0.87 | 3.29E-02 | 1.61E-01 | 1.09 | 1.29E-01 | 6.65E-01 |
| 206795\_at | *F2RL2* | 1.05 | 3.62E-01 | 7.10E-01 | 0.96 | 4.00E-01 | 8.13E-01 | 1.00 | 9.81E-01 | 9.94E-01 | 1.02 | 6.77E-01 | 9.32E-01 |
| 230147\_at | *F2RL2* | 0.82 | 4.28E-02 | 2.35E-01 | 0.87 | 2.27E-01 | 6.80E-01 | 0.85 | 4.33E-02 | 1.93E-01 | 0.88 | 2.08E-01 | 7.38E-01 |
| 221737\_at | *GNA12* | 0.92 | 2.34E-01 | 5.87E-01 | 0.97 | 6.23E-01 | 9.11E-01 | 0.95 | 2.65E-01 | 5.68E-01 | 1.04 | 5.12E-01 | 8.84E-01 |
| 224681\_at | *GNA12* | 0.79 | 1.24E-02 | 1.08E-01 | 0.94 | 2.59E-01 | 7.12E-01 | 0.87 | 1.04E-02 | 7.34E-02 | 0.96 | 6.41E-01 | 9.21E-01 |
| 231309\_at | *GNA12* | 1.00 | 9.58E-01 | 9.89E-01 | 0.99 | 7.54E-01 | 9.48E-01 | 0.99 | 8.96E-01 | 9.64E-01 | 0.96 | 5.38E-01 | 8.92E-01 |
| 208429\_x\_at | *HNF4A* | 0.98 | 8.01E-01 | 9.41E-01 | 1.20 | 2.07E-02 | 2.38E-01 | 1.10 | 9.39E-02 | 3.16E-01 | 0.90 | 3.95E-01 | 8.37E-01 |
| 214832\_at | *HNF4A* | 1.01 | 9.17E-01 | 9.77E-01 | 1.22 | 2.58E-02 | 2.66E-01 | 1.13 | 4.92E-02 | 2.10E-01 | 1.04 | 7.02E-01 | 9.38E-01 |
| 214851\_at | *HNF4A* | 1.13 | 2.59E-01 | 6.14E-01 | 1.04 | 4.21E-01 | 8.25E-01 | 1.08 | 1.69E-01 | 4.46E-01 | 1.08 | 2.98E-01 | 7.93E-01 |
| 216889\_s\_at | *HNF4A* | 1.04 | 6.23E-01 | 8.70E-01 | 1.02 | 7.86E-01 | 9.56E-01 | 1.03 | 6.23E-01 | 8.42E-01 | 1.08 | 2.47E-01 | 7.63E-01 |
| 230914\_at | *HNF4A* | 1.00 | 9.53E-01 | 9.88E-01 | 1.21 | 5.73E-02 | 3.89E-01 | 1.12 | 9.73E-02 | 3.24E-01 | 1.06 | 5.70E-01 | 9.03E-01 |
| 243027\_at | *IGSF5* | 1.08 | 1.85E-01 | 5.27E-01 | 1.01 | 9.22E-01 | 9.85E-01 | 1.04 | 5.00E-01 | 7.66E-01 | 1.10 | 1.65E-01 | 6.99E-01 |
| 201656\_at | *ITGA6* | 0.80 | 5.04E-02 | 2.60E-01 | 0.92 | 4.77E-01 | 8.54E-01 | 0.87 | 1.06E-01 | 3.42E-01 | 1.22 | 4.04E-02 | 5.08E-01 |
| 215177\_s\_at | *ITGA6* | 0.64 | 1.84E-03 | 3.24E-02 | 0.78 | 4.96E-02 | 3.64E-01 | 0.72 | 9.23E-04 | 1.27E-02 | 1.05 | 6.54E-01 | 9.26E-01 |
| 204989\_s\_at | *ITGB4* | 0.64 | 8.10E-06 | 1.55E-03 | 0.89 | 3.44E-01 | 7.77E-01 | 0.78 | 5.98E-03 | 4.91E-02 | 0.82 | 1.66E-01 | 6.99E-01 |
| 204990\_s\_at | *ITGB4* | 0.60 | 2.95E-06 | 9.60E-04 | 0.86 | 1.54E-01 | 5.90E-01 | 0.74 | 4.73E-04 | 7.93E-03 | 1.06 | 4.99E-01 | 8.80E-01 |
| 211905\_s\_at | *ITGB4* | 0.78 | 1.12E-01 | 4.07E-01 | 0.93 | 5.07E-01 | 8.68E-01 | 0.86 | 1.23E-01 | 3.73E-01 | 0.85 | 3.03E-01 | 7.95E-01 |
| 214292\_at | *ITGB4* | 0.99 | 8.77E-01 | 9.65E-01 | 1.00 | 9.96E-01 | 9.99E-01 | 1.00 | 9.35E-01 | 9.78E-01 | 0.82 | 1.20E-02 | 3.88E-01 |
| 230704\_s\_at | *ITGB4* | 1.01 | 9.45E-01 | 9.86E-01 | 1.11 | 5.27E-02 | 3.74E-01 | 1.06 | 2.27E-01 | 5.22E-01 | 1.06 | 5.12E-01 | 8.84E-01 |
| 219213\_at | *JAM2* | 1.11 | 5.46E-01 | 8.32E-01 | 0.84 | 1.01E-01 | 5.05E-01 | 0.94 | 5.59E-01 | 8.06E-01 | 0.83 | 7.60E-02 | 5.90E-01 |
| 212813\_at | *JAM3* | 0.89 | 2.97E-01 | 6.53E-01 | 0.83 | 2.44E-02 | 2.58E-01 | 0.86 | 2.24E-02 | 1.24E-01 | 0.74 | 3.60E-02 | 4.93E-01 |
| 231720\_s\_at | *JAM3* | 0.92 | 3.45E-01 | 6.97E-01 | 0.95 | 3.97E-01 | 8.12E-01 | 0.94 | 2.03E-01 | 4.92E-01 | 0.97 | 7.29E-01 | 9.44E-01 |
| 231721\_at | *JAM3* | 1.11 | 3.20E-01 | 6.74E-01 | 0.98 | 6.79E-01 | 9.28E-01 | 1.03 | 5.67E-01 | 8.10E-01 | 1.04 | 4.52E-01 | 8.62E-01 |
| 201015\_s\_at | *JUP* | 0.81 | 1.08E-02 | 9.93E-02 | 1.07 | 4.15E-01 | 8.21E-01 | 0.95 | 4.40E-01 | 7.25E-01 | 1.04 | 6.47E-01 | 9.23E-01 |
| 222346\_at | *LAMA1* | 1.03 | 7.73E-01 | 9.30E-01 | 0.98 | 6.38E-01 | 9.15E-01 | 1.00 | 9.85E-01 | 9.95E-01 | 1.12 | 8.59E-02 | 6.05E-01 |
| 227048\_at | *LAMA1* | 2.35 | 1.11E-02 | 1.01E-01 | 1.81 | 2.11E-02 | 2.40E-01 | 2.02 | 1.29E-03 | 1.64E-02 | 1.30 | 3.37E-01 | 8.11E-01 |
| 1560078\_at | *LAMA3* | 0.94 | 4.03E-01 | 7.41E-01 | 0.99 | 9.17E-01 | 9.84E-01 | 0.97 | 4.91E-01 | 7.60E-01 | 1.11 | 6.14E-02 | 5.61E-01 |
| 1563772\_a\_at | *LAMA3* | 0.89 | 1.84E-01 | 5.25E-01 | 0.94 | 3.49E-01 | 7.80E-01 | 0.92 | 1.07E-01 | 3.42E-01 | 1.01 | 9.10E-01 | 9.85E-01 |
| 1568879\_a\_at | *LAMA3* | 1.11 | 1.17E-01 | 4.19E-01 | 0.99 | 8.89E-01 | 9.79E-01 | 1.04 | 4.55E-01 | 7.36E-01 | 1.06 | 4.39E-01 | 8.57E-01 |
| 203726\_s\_at | *LAMA3* | 0.49 | 2.25E-04 | 9.04E-03 | 0.67 | 2.03E-02 | 2.35E-01 | 0.58 | 1.26E-04 | 3.11E-03 | 1.08 | 5.08E-01 | 8.83E-01 |
| 202202\_s\_at | *LAMA4* | 0.82 | 4.09E-01 | 7.46E-01 | 0.61 | 1.82E-03 | 6.48E-02 | 0.69 | 1.22E-02 | 8.15E-02 | 0.66 | 1.59E-02 | 4.18E-01 |
| 210089\_s\_at | *LAMA4* | 0.94 | 4.50E-01 | 7.73E-01 | 1.04 | 6.16E-01 | 9.09E-01 | 0.99 | 8.87E-01 | 9.61E-01 | 0.93 | 3.70E-01 | 8.25E-01 |
| 210989\_at | *LAMA4* | 1.06 | 3.44E-01 | 6.96E-01 | 0.99 | 8.46E-01 | 9.70E-01 | 1.02 | 7.14E-01 | 8.90E-01 | 1.01 | 8.30E-01 | 9.68E-01 |
| 210990\_s\_at | *LAMA4* | 0.87 | 6.40E-02 | 2.99E-01 | 0.88 | 1.87E-02 | 2.25E-01 | 0.88 | 1.99E-03 | 2.24E-02 | 1.01 | 9.13E-01 | 9.85E-01 |
| 210150\_s\_at | *LAMA5* | 0.69 | 3.46E-04 | 1.17E-02 | 0.84 | 9.61E-02 | 4.92E-01 | 0.78 | 1.05E-03 | 1.40E-02 | 0.94 | 3.33E-01 | 8.10E-01 |
| 201505\_at | *LAMB1* | 0.84 | 3.45E-01 | 6.97E-01 | 0.72 | 8.71E-03 | 1.51E-01 | 0.76 | 1.86E-02 | 1.09E-01 | 0.85 | 9.75E-02 | 6.22E-01 |
| 211651\_s\_at | *LAMB1* | 0.90 | 4.66E-01 | 7.83E-01 | 0.78 | 2.30E-02 | 2.52E-01 | 0.83 | 4.20E-02 | 1.89E-01 | 0.75 | 1.36E-02 | 4.00E-01 |
| 216264\_s\_at | *LAMB2* | 0.76 | 1.38E-02 | 1.15E-01 | 0.83 | 1.21E-02 | 1.79E-01 | 0.80 | 6.39E-04 | 9.83E-03 | 1.08 | 2.52E-01 | 7.67E-01 |
| 200770\_s\_at | *LAMC1* | 0.64 | 3.91E-05 | 3.32E-03 | 0.81 | 1.40E-02 | 1.93E-01 | 0.73 | 2.05E-05 | 8.71E-04 | 0.92 | 4.05E-01 | 8.44E-01 |
| 200771\_at | *LAMC1* | 0.66 | 3.03E-02 | 1.91E-01 | 0.57 | 1.06E-03 | 4.93E-02 | 0.61 | 2.11E-04 | 4.48E-03 | 0.78 | 6.26E-02 | 5.64E-01 |
| 202267\_at | *LAMC2* | 0.49 | 2.32E-05 | 2.43E-03 | 0.70 | 2.66E-02 | 2.70E-01 | 0.60 | 7.72E-05 | 2.17E-03 | 1.30 | 7.92E-02 | 5.96E-01 |
| 207517\_at | *LAMC2* | 0.64 | 1.35E-02 | 1.14E-01 | 0.86 | 2.85E-01 | 7.33E-01 | 0.76 | 2.11E-02 | 1.19E-01 | 1.02 | 7.98E-01 | 9.61E-01 |
| 1555262\_a\_at | *MAGI1* | 1.05 | 5.40E-01 | 8.29E-01 | 1.02 | 8.03E-01 | 9.62E-01 | 1.03 | 5.43E-01 | 7.96E-01 | 1.11 | 1.05E-01 | 6.34E-01 |
| 1559256\_at | *MAGI1* | 0.93 | 2.29E-01 | 5.82E-01 | 1.00 | 9.66E-01 | 9.94E-01 | 0.97 | 4.44E-01 | 7.28E-01 | 1.12 | 1.78E-01 | 7.10E-01 |
| 1559257\_a\_at | *MAGI1* | 1.03 | 6.53E-01 | 8.83E-01 | 1.02 | 7.22E-01 | 9.40E-01 | 1.03 | 5.56E-01 | 8.04E-01 | 1.02 | 7.09E-01 | 9.39E-01 |
| 206144\_at | *MAGI1* | 1.08 | 3.07E-01 | 6.62E-01 | 1.06 | 4.05E-01 | 8.17E-01 | 1.07 | 1.97E-01 | 4.84E-01 | 1.12 | 1.21E-01 | 6.55E-01 |
| 225465\_at | *MAGI1* | 1.27 | 1.53E-02 | 1.23E-01 | 1.21 | 6.87E-03 | 1.32E-01 | 1.24 | 3.29E-04 | 6.12E-03 | 1.14 | 9.09E-02 | 6.12E-01 |
| 232859\_s\_at | *MAGI1* | 1.09 | 3.24E-01 | 6.77E-01 | 1.15 | 3.28E-02 | 2.99E-01 | 1.13 | 2.60E-02 | 1.38E-01 | 1.05 | 6.10E-01 | 9.14E-01 |
| 207702\_s\_at | *MAGI2* | 1.11 | 9.97E-02 | 3.83E-01 | 1.06 | 3.88E-01 | 8.07E-01 | 1.08 | 8.74E-02 | 3.02E-01 | 1.00 | 9.99E-01 | 1.00E+00 |
| 209737\_at | *MAGI2* | 1.48 | 1.29E-03 | 2.59E-02 | 1.19 | 6.41E-02 | 4.10E-01 | 1.31 | 8.29E-04 | 1.18E-02 | 1.09 | 3.35E-01 | 8.10E-01 |
| 224307\_x\_at | *MAGI3* | 1.07 | 3.24E-01 | 6.77E-01 | 1.15 | 3.42E-02 | 3.05E-01 | 1.12 | 1.88E-02 | 1.10E-01 | 0.95 | 5.75E-01 | 9.04E-01 |
| 226770\_at | *MAGI3* | 1.22 | 2.64E-02 | 1.75E-01 | 1.12 | 1.74E-01 | 6.17E-01 | 1.16 | 1.60E-02 | 9.83E-02 | 0.96 | 5.59E-01 | 8.99E-01 |
| 235141\_at | *MARVELD2* | 1.08 | 1.51E-01 | 4.76E-01 | 1.10 | 8.87E-02 | 4.76E-01 | 1.09 | 1.79E-02 | 1.06E-01 | 1.20 | 3.02E-03 | 2.97E-01 |
| 235955\_at | *MARVELD2* | 1.19 | 2.81E-02 | 1.82E-01 | 1.27 | 2.16E-03 | 7.14E-02 | 1.24 | 1.66E-04 | 3.75E-03 | 1.35 | 7.15E-03 | 3.54E-01 |
| 233634\_at | *MARVELD3* | 1.08 | 4.25E-01 | 7.57E-01 | 1.05 | 5.28E-01 | 8.76E-01 | 1.06 | 3.17E-01 | 6.22E-01 | 1.10 | 2.21E-01 | 7.47E-01 |
| 239148\_at | *MARVELD3* | 1.00 | 9.95E-01 | 9.99E-01 | 1.06 | 4.33E-01 | 8.32E-01 | 1.04 | 5.65E-01 | 8.09E-01 | 1.13 | 1.32E-01 | 6.67E-01 |
| 239350\_at | *MARVELD3* | 0.95 | 6.52E-01 | 8.83E-01 | 0.97 | 7.34E-01 | 9.44E-01 | 0.96 | 5.88E-01 | 8.22E-01 | 1.34 | 6.31E-03 | 3.46E-01 |
| 209086\_x\_at | *MCAM* | 0.83 | 1.21E-01 | 4.25E-01 | 0.86 | 1.49E-02 | 2.00E-01 | 0.84 | 9.09E-03 | 6.63E-02 | 0.87 | 6.63E-02 | 5.71E-01 |
| 209087\_x\_at | *MCAM* | 0.79 | 1.22E-01 | 4.27E-01 | 0.68 | 4.77E-03 | 1.10E-01 | 0.73 | 2.54E-03 | 2.66E-02 | 0.64 | 4.22E-03 | 3.14E-01 |
| 210869\_s\_at | *MCAM* | 0.74 | 4.60E-02 | 2.46E-01 | 0.72 | 2.82E-03 | 8.29E-02 | 0.73 | 7.30E-04 | 1.08E-02 | 0.74 | 3.89E-02 | 5.03E-01 |
| 211042\_x\_at | *MCAM* | 0.93 | 4.04E-01 | 7.42E-01 | 0.90 | 2.60E-01 | 7.14E-01 | 0.91 | 1.68E-01 | 4.44E-01 | 0.87 | 4.93E-02 | 5.33E-01 |
| 211340\_s\_at | *MCAM* | 0.69 | 1.11E-01 | 4.05E-01 | 0.65 | 1.18E-03 | 5.21E-02 | 0.66 | 1.99E-03 | 2.23E-02 | 0.77 | 4.59E-02 | 5.24E-01 |
| 206000\_at | *MEP1A* | 1.49 | 1.04E-03 | 2.26E-02 | 1.29 | 2.59E-02 | 2.67E-01 | 1.37 | 3.13E-04 | 5.92E-03 | 1.28 | 5.87E-02 | 5.53E-01 |
| 214939\_x\_at | *MLLT4* | 0.97 | 6.85E-01 | 8.97E-01 | 1.00 | 9.71E-01 | 9.94E-01 | 0.99 | 8.04E-01 | 9.28E-01 | 0.99 | 9.00E-01 | 9.83E-01 |
| 215904\_at | *MLLT4* | 1.23 | 1.99E-02 | 1.45E-01 | 1.11 | 1.09E-01 | 5.20E-01 | 1.16 | 5.96E-03 | 4.90E-02 | 1.07 | 3.07E-01 | 7.97E-01 |
| 224685\_at | *MLLT4* | 1.07 | 3.75E-01 | 7.21E-01 | 1.08 | 1.03E-01 | 5.09E-01 | 1.08 | 7.50E-02 | 2.75E-01 | 1.14 | 2.83E-02 | 4.64E-01 |
| 229775\_s\_at | *MLLT4* | 1.02 | 8.45E-01 | 9.55E-01 | 0.98 | 8.24E-01 | 9.66E-01 | 1.00 | 9.81E-01 | 9.94E-01 | 1.32 | 6.19E-02 | 5.62E-01 |
| 230622\_at | *MLLT4* | 1.22 | 1.03E-02 | 9.69E-02 | 1.01 | 8.37E-01 | 9.69E-01 | 1.09 | 4.10E-02 | 1.86E-01 | 1.05 | 4.24E-01 | 8.51E-01 |
| 238871\_at | *MLLT4* | 1.08 | 1.44E-01 | 4.65E-01 | 1.00 | 9.85E-01 | 9.97E-01 | 1.03 | 3.77E-01 | 6.75E-01 | 1.07 | 2.71E-01 | 7.77E-01 |
| 205079\_s\_at | *MPDZ* | 0.96 | 5.66E-01 | 8.43E-01 | 0.97 | 6.14E-01 | 9.08E-01 | 0.97 | 4.38E-01 | 7.23E-01 | 0.90 | 2.08E-01 | 7.38E-01 |
| 213306\_at | *MPDZ* | 1.07 | 3.97E-01 | 7.37E-01 | 0.95 | 3.55E-01 | 7.85E-01 | 1.00 | 9.40E-01 | 9.79E-01 | 0.83 | 1.67E-01 | 7.00E-01 |
| 219321\_at | *MPP5* | 0.92 | 3.77E-01 | 7.23E-01 | 1.09 | 4.05E-01 | 8.17E-01 | 1.02 | 8.44E-01 | 9.46E-01 | 1.09 | 2.15E-01 | 7.43E-01 |
| 226092\_at | *MPP5* | 1.01 | 9.39E-01 | 9.84E-01 | 1.16 | 5.43E-02 | 3.79E-01 | 1.09 | 1.20E-01 | 3.68E-01 | 1.32 | 4.07E-03 | 3.10E-01 |
| 207847\_s\_at | *MUC1* | 0.56 | 4.00E-05 | 3.37E-03 | 0.77 | 4.43E-02 | 3.43E-01 | 0.67 | 1.53E-04 | 3.56E-03 | 0.59 | 4.33E-02 | 5.18E-01 |
| 211695\_x\_at | *MUC1* | 0.58 | 5.24E-05 | 3.99E-03 | 0.82 | 9.43E-02 | 4.89E-01 | 0.71 | 4.47E-04 | 7.61E-03 | 0.75 | 6.22E-02 | 5.63E-01 |
| 213693\_s\_at | *MUC1* | 0.62 | 7.04E-04 | 1.78E-02 | 0.83 | 1.12E-01 | 5.27E-01 | 0.74 | 1.56E-03 | 1.88E-02 | 0.66 | 3.25E-02 | 4.78E-01 |
| 1557906\_at | *MUC12* | 0.95 | 4.62E-01 | 7.81E-01 | 0.93 | 2.31E-01 | 6.85E-01 | 0.94 | 1.54E-01 | 4.23E-01 | 1.03 | 6.37E-01 | 9.21E-01 |
| 1557907\_x\_at | *MUC12* | 0.99 | 8.17E-01 | 9.46E-01 | 1.01 | 8.13E-01 | 9.64E-01 | 1.00 | 9.50E-01 | 9.83E-01 | 1.02 | 8.26E-01 | 9.67E-01 |
| 226654\_at | *MUC12* | 1.22 | 2.05E-01 | 5.54E-01 | 1.12 | 4.57E-01 | 8.44E-01 | 1.16 | 1.96E-01 | 4.83E-01 | 0.89 | 2.14E-01 | 7.42E-01 |
| 231814\_at | *MUC12* | 1.06 | 6.99E-01 | 9.02E-01 | 1.13 | 5.41E-01 | 8.81E-01 | 1.10 | 4.88E-01 | 7.59E-01 | 1.24 | 2.38E-01 | 7.57E-01 |
| 218687\_s\_at | *MUC13* | 0.55 | 1.05E-05 | 1.73E-03 | 0.69 | 7.63E-04 | 4.17E-02 | 0.63 | 3.84E-07 | 7.42E-05 | 1.20 | 9.30E-02 | 6.15E-01 |
| 222712\_s\_at | *MUC13* | 0.53 | 2.48E-05 | 2.55E-03 | 0.69 | 4.15E-03 | 1.02E-01 | 0.62 | 5.20E-06 | 3.53E-04 | 1.01 | 9.09E-01 | 9.84E-01 |
| 227238\_at | *MUC15* | 0.97 | 5.92E-01 | 8.55E-01 | 1.02 | 6.65E-01 | 9.24E-01 | 1.00 | 9.79E-01 | 9.93E-01 | 0.99 | 8.73E-01 | 9.77E-01 |
| 227241\_at | *MUC15* | 1.01 | 8.99E-01 | 9.72E-01 | 0.98 | 7.49E-01 | 9.47E-01 | 0.99 | 8.69E-01 | 9.55E-01 | 1.10 | 1.69E-01 | 7.03E-01 |
| 220196\_at | *MUC16* | 0.89 | 1.52E-01 | 4.78E-01 | 1.01 | 8.36E-01 | 9.69E-01 | 0.96 | 4.04E-01 | 6.97E-01 | 1.09 | 2.60E-01 | 7.71E-01 |
| 232321\_at | *MUC17* | 0.54 | 8.52E-02 | 3.51E-01 | 0.84 | 3.67E-01 | 7.94E-01 | 0.70 | 7.50E-02 | 2.75E-01 | 1.67 | 5.89E-02 | 5.53E-01 |
| 232407\_at | *MUC17* | 0.81 | 4.88E-03 | 5.99E-02 | 0.93 | 2.77E-01 | 7.28E-01 | 0.88 | 9.92E-03 | 7.06E-02 | 1.07 | 4.02E-01 | 8.42E-01 |
| 1553436\_at | *MUC19* | 1.08 | 3.08E-01 | 6.63E-01 | 1.00 | 9.96E-01 | 9.99E-01 | 1.03 | 4.68E-01 | 7.45E-01 | 1.03 | 5.89E-01 | 9.09E-01 |
| 204673\_at | *MUC2* | 0.91 | 5.22E-01 | 8.18E-01 | 0.74 | 9.72E-02 | 4.95E-01 | 0.81 | 9.63E-02 | 3.22E-01 | 0.67 | 6.53E-02 | 5.70E-01 |
| 226622\_at | *MUC20* | 1.07 | 5.47E-01 | 8.32E-01 | 1.44 | 3.61E-02 | 3.13E-01 | 1.27 | 4.11E-02 | 1.87E-01 | 1.01 | 9.51E-01 | 9.90E-01 |
| 230043\_at | *MUC20* | 1.35 | 5.01E-02 | 2.59E-01 | 1.47 | 2.53E-02 | 2.63E-01 | 1.42 | 4.78E-03 | 4.18E-02 | 0.98 | 8.59E-01 | 9.74E-01 |
| 231941\_s\_at | *MUC20* | 1.05 | 7.00E-01 | 9.03E-01 | 1.47 | 4.30E-02 | 3.39E-01 | 1.28 | 6.27E-02 | 2.46E-01 | 0.91 | 5.08E-01 | 8.83E-01 |
| 243774\_at | *MUC20* | 1.11 | 2.55E-01 | 6.11E-01 | 1.09 | 2.64E-01 | 7.17E-01 | 1.10 | 1.14E-01 | 3.57E-01 | 1.11 | 9.93E-02 | 6.24E-01 |
| 217117\_x\_at | *MUC3A* | 0.90 | 2.99E-01 | 6.55E-01 | 1.11 | 1.56E-01 | 5.93E-01 | 1.02 | 7.50E-01 | 9.06E-01 | 1.28 | 1.09E-02 | 3.80E-01 |
| 214676\_x\_at | *MUC3B* | 0.98 | 7.30E-01 | 9.14E-01 | 1.13 | 5.36E-02 | 3.77E-01 | 1.06 | 1.99E-01 | 4.87E-01 | 1.20 | 1.79E-01 | 7.10E-01 |
| 214898\_x\_at | *MUC3B* | 1.01 | 8.80E-01 | 9.66E-01 | 1.31 | 3.70E-03 | 9.63E-02 | 1.18 | 1.75E-02 | 1.04E-01 | 1.08 | 4.55E-01 | 8.63E-01 |
| 1561785\_at | *MUC4* | 1.23 | 1.10E-01 | 4.04E-01 | 1.02 | 8.15E-01 | 9.64E-01 | 1.11 | 2.26E-01 | 5.22E-01 | 1.09 | 3.12E-01 | 8.00E-01 |
| 204895\_x\_at | *MUC4* | 0.64 | 1.68E-03 | 3.06E-02 | 0.87 | 1.93E-01 | 6.41E-01 | 0.77 | 3.91E-03 | 3.61E-02 | 0.50 | 9.13E-03 | 3.68E-01 |
| 217109\_at | *MUC4* | 0.73 | 1.10E-02 | 1.01E-01 | 0.90 | 2.69E-01 | 7.21E-01 | 0.83 | 1.52E-02 | 9.46E-02 | 0.47 | 1.56E-02 | 4.16E-01 |
| 217110\_s\_at | *MUC4* | 0.64 | 4.76E-03 | 5.91E-02 | 0.84 | 1.47E-01 | 5.81E-01 | 0.75 | 4.93E-03 | 4.28E-02 | 0.52 | 5.17E-02 | 5.40E-01 |
| 235055\_x\_at | *MUC4* | 0.89 | 1.65E-01 | 4.98E-01 | 0.97 | 5.35E-01 | 8.79E-01 | 0.93 | 1.46E-01 | 4.11E-01 | 1.02 | 7.76E-01 | 9.56E-01 |
| 214303\_x\_at | *MUC5AC* | 0.77 | 2.40E-01 | 5.94E-01 | 1.05 | 7.53E-01 | 9.48E-01 | 0.92 | 5.44E-01 | 7.96E-01 | 1.39 | 4.86E-02 | 5.33E-01 |
| 214385\_s\_at | *MUC5AC* | 0.69 | 2.83E-01 | 6.40E-01 | 0.83 | 4.28E-01 | 8.29E-01 | 0.77 | 2.12E-01 | 5.04E-01 | 1.36 | 1.58E-01 | 6.94E-01 |
| 217182\_at | *MUC5AC* | 0.96 | 5.39E-01 | 8.28E-01 | 1.02 | 7.36E-01 | 9.44E-01 | 0.99 | 8.98E-01 | 9.65E-01 | 1.12 | 2.57E-01 | 7.69E-01 |
| 217187\_at | *MUC5AC* | 0.96 | 7.53E-01 | 9.23E-01 | 1.04 | 5.88E-01 | 9.00E-01 | 1.01 | 9.17E-01 | 9.71E-01 | 1.04 | 6.80E-01 | 9.33E-01 |
| 213432\_at | *MUC5B* | 0.60 | 5.70E-04 | 1.57E-02 | 0.82 | 2.26E-01 | 6.79E-01 | 0.72 | 7.38E-03 | 5.69E-02 | 0.87 | 5.47E-01 | 8.95E-01 |
| 222268\_x\_at | *MUC5B* | 0.77 | 2.85E-02 | 1.83E-01 | 1.03 | 8.16E-01 | 9.64E-01 | 0.91 | 3.33E-01 | 6.36E-01 | 0.96 | 5.92E-01 | 9.09E-01 |
| 1565666\_s\_at | *MUC6* | 1.00 | 9.94E-01 | 9.98E-01 | 1.11 | 2.11E-01 | 6.61E-01 | 1.06 | 3.35E-01 | 6.37E-01 | 1.06 | 4.40E-01 | 8.58E-01 |
| 214133\_at | *MUC6* | 0.89 | 6.02E-02 | 2.90E-01 | 1.06 | 3.55E-01 | 7.85E-01 | 0.99 | 7.94E-01 | 9.24E-01 | 1.19 | 1.16E-01 | 6.49E-01 |
| 216359\_at | *MUC7* | 1.02 | 8.12E-01 | 9.44E-01 | 1.00 | 9.96E-01 | 9.99E-01 | 1.01 | 8.55E-01 | 9.49E-01 | 1.02 | 7.42E-01 | 9.47E-01 |
| 217059\_at | *MUC7* | 0.97 | 5.02E-01 | 8.06E-01 | 1.02 | 6.36E-01 | 9.15E-01 | 1.00 | 9.33E-01 | 9.77E-01 | 1.01 | 8.74E-01 | 9.77E-01 |
| 216671\_x\_at | *MUC8* | 0.96 | 5.16E-01 | 8.14E-01 | 1.07 | 2.36E-01 | 6.90E-01 | 1.02 | 5.65E-01 | 8.09E-01 | 1.08 | 2.76E-01 | 7.80E-01 |
| 217295\_at | *MUC8* | 0.96 | 6.99E-01 | 9.03E-01 | 0.99 | 8.37E-01 | 9.69E-01 | 0.98 | 6.76E-01 | 8.71E-01 | 1.05 | 4.46E-01 | 8.60E-01 |
| 209888\_s\_at | *MYL1* | 1.00 | 9.70E-01 | 9.93E-01 | 1.06 | 2.83E-01 | 7.32E-01 | 1.03 | 3.57E-01 | 6.58E-01 | 1.04 | 6.64E-01 | 9.28E-01 |
| 209742\_s\_at | *MYL2* | 1.02 | 7.62E-01 | 9.27E-01 | 0.97 | 7.12E-01 | 9.37E-01 | 0.99 | 9.06E-01 | 9.67E-01 | 1.07 | 3.00E-01 | 7.94E-01 |
| 205589\_at | *MYL3* | 0.94 | 4.26E-01 | 7.58E-01 | 0.99 | 8.60E-01 | 9.73E-01 | 0.97 | 4.77E-01 | 7.51E-01 | 1.07 | 4.03E-01 | 8.42E-01 |
| 210088\_x\_at | *MYL4* | 1.01 | 8.95E-01 | 9.71E-01 | 1.00 | 9.84E-01 | 9.97E-01 | 1.01 | 9.12E-01 | 9.69E-01 | 1.04 | 5.48E-01 | 8.95E-01 |
| 210395\_x\_at | *MYL4* | 0.92 | 2.31E-01 | 5.84E-01 | 0.94 | 3.55E-01 | 7.85E-01 | 0.93 | 1.37E-01 | 3.96E-01 | 1.11 | 3.97E-02 | 5.07E-01 |
| 216054\_x\_at | *MYL4* | 0.98 | 6.77E-01 | 8.94E-01 | 0.99 | 7.96E-01 | 9.60E-01 | 0.98 | 6.16E-01 | 8.37E-01 | 1.09 | 1.23E-01 | 6.57E-01 |
| 217274\_x\_at | *MYL4* | 0.92 | 1.35E-01 | 4.49E-01 | 1.03 | 5.97E-01 | 9.03E-01 | 0.98 | 6.06E-01 | 8.32E-01 | 1.10 | 8.06E-02 | 5.98E-01 |
| 205145\_s\_at | *MYL5* | 1.21 | 2.70E-02 | 1.77E-01 | 1.23 | 3.41E-03 | 9.26E-02 | 1.22 | 2.33E-04 | 4.79E-03 | 1.21 | 2.10E-02 | 4.36E-01 |
| 212082\_s\_at | *MYL6* | 1.07 | 2.40E-01 | 5.94E-01 | 1.08 | 1.41E-01 | 5.73E-01 | 1.08 | 4.40E-02 | 1.95E-01 | 1.07 | 1.79E-01 | 7.10E-01 |
| 204173\_at | *MYL6B* | 0.75 | 3.79E-03 | 5.10E-02 | 0.84 | 4.35E-02 | 3.41E-01 | 0.80 | 9.00E-04 | 1.25E-02 | 0.88 | 4.15E-02 | 5.11E-01 |
| 219942\_at | *MYL7* | 1.02 | 7.69E-01 | 9.29E-01 | 1.02 | 8.04E-01 | 9.62E-01 | 1.02 | 7.10E-01 | 8.88E-01 | 1.07 | 3.24E-01 | 8.06E-01 |
| 201058\_s\_at | *MYL9* | 2.07 | 2.22E-02 | 1.57E-01 | 0.92 | 6.39E-01 | 9.15E-01 | 1.29 | 1.90E-01 | 4.77E-01 | 0.91 | 7.06E-01 | 9.39E-01 |
| 1563466\_at | *MYLK* | 1.03 | 6.15E-01 | 8.67E-01 | 1.01 | 9.04E-01 | 9.81E-01 | 1.02 | 6.76E-01 | 8.71E-01 | 1.00 | 9.69E-01 | 9.95E-01 |
| 1568770\_at | *MYLK* | 0.93 | 4.50E-01 | 7.73E-01 | 1.04 | 5.93E-01 | 9.02E-01 | 0.99 | 8.87E-01 | 9.61E-01 | 1.00 | 9.93E-01 | 9.99E-01 |
| 1569956\_at | *MYLK* | 1.08 | 2.14E-01 | 5.66E-01 | 1.03 | 5.94E-01 | 9.02E-01 | 1.05 | 1.93E-01 | 4.80E-01 | 1.01 | 9.23E-01 | 9.87E-01 |
| 202555\_s\_at | *MYLK* | 1.81 | 1.38E-02 | 1.15E-01 | 1.03 | 7.80E-01 | 9.55E-01 | 1.31 | 4.81E-02 | 2.07E-01 | 0.83 | 2.94E-01 | 7.91E-01 |
| 224823\_at | *MYLK* | 1.93 | 1.99E-02 | 1.45E-01 | 1.12 | 3.54E-01 | 7.85E-01 | 1.41 | 2.55E-02 | 1.36E-01 | 0.75 | 1.21E-01 | 6.54E-01 |
| 208452\_x\_at | *MYO9B* | 0.93 | 1.94E-01 | 5.39E-01 | 0.95 | 4.71E-01 | 8.51E-01 | 0.94 | 2.00E-01 | 4.88E-01 | 0.88 | 1.73E-01 | 7.07E-01 |
| 214780\_s\_at | *MYO9B* | 0.94 | 3.39E-01 | 6.92E-01 | 0.99 | 8.85E-01 | 9.78E-01 | 0.97 | 4.69E-01 | 7.45E-01 | 1.06 | 3.13E-01 | 8.00E-01 |
| 217297\_s\_at | *MYO9B* | 0.89 | 1.11E-01 | 4.06E-01 | 1.01 | 9.15E-01 | 9.84E-01 | 0.96 | 2.98E-01 | 6.02E-01 | 0.93 | 3.74E-01 | 8.28E-01 |
| 209925\_at | *OCLN* | 1.04 | 6.44E-01 | 8.79E-01 | 1.20 | 1.39E-01 | 5.69E-01 | 1.13 | 1.41E-01 | 4.03E-01 | 0.94 | 3.26E-01 | 8.06E-01 |
| 205432\_at | *OVGP1* | 1.09 | 2.20E-01 | 5.72E-01 | 1.05 | 5.90E-01 | 9.01E-01 | 1.07 | 2.90E-01 | 5.95E-01 | 1.03 | 6.87E-01 | 9.35E-01 |
| 210094\_s\_at | *PARD3* | 0.98 | 7.71E-01 | 9.30E-01 | 1.10 | 1.48E-01 | 5.82E-01 | 1.05 | 3.66E-01 | 6.66E-01 | 1.02 | 7.18E-01 | 9.41E-01 |
| 221280\_s\_at | *PARD3* | 1.17 | 8.67E-02 | 3.55E-01 | 1.00 | 9.61E-01 | 9.93E-01 | 1.07 | 1.93E-01 | 4.80E-01 | 0.89 | 2.57E-01 | 7.69E-01 |
| 221526\_x\_at | *PARD3* | 0.99 | 8.66E-01 | 9.62E-01 | 1.12 | 2.08E-02 | 2.39E-01 | 1.06 | 1.22E-01 | 3.70E-01 | 0.99 | 8.55E-01 | 9.73E-01 |
| 221527\_s\_at | *PARD3* | 1.28 | 6.19E-03 | 6.97E-02 | 1.07 | 4.33E-01 | 8.32E-01 | 1.15 | 2.65E-02 | 1.39E-01 | 1.05 | 5.04E-01 | 8.82E-01 |
| 205724\_at | *PKP1* | 1.06 | 6.81E-01 | 8.95E-01 | 0.94 | 4.57E-01 | 8.44E-01 | 0.99 | 8.72E-01 | 9.56E-01 | 1.13 | 1.28E-01 | 6.62E-01 |
| 221854\_at | *PKP1* | 0.94 | 4.39E-01 | 7.66E-01 | 1.08 | 2.60E-01 | 7.13E-01 | 1.02 | 7.21E-01 | 8.92E-01 | 1.12 | 1.74E-01 | 7.08E-01 |
| 207717\_s\_at | *PKP2* | 1.24 | 5.19E-03 | 6.23E-02 | 1.11 | 1.71E-01 | 6.14E-01 | 1.16 | 6.58E-03 | 5.25E-02 | 0.84 | 4.99E-02 | 5.34E-01 |
| 214154\_s\_at | *PKP2* | 1.04 | 7.87E-01 | 9.36E-01 | 0.91 | 3.51E-01 | 7.83E-01 | 0.96 | 6.92E-01 | 8.79E-01 | 0.81 | 4.10E-02 | 5.09E-01 |
| 209872\_s\_at | *PKP3* | 0.74 | 2.14E-03 | 3.54E-02 | 0.93 | 4.85E-01 | 8.59E-01 | 0.85 | 2.95E-02 | 1.50E-01 | 0.86 | 2.18E-01 | 7.45E-01 |
| 209873\_s\_at | *PKP3* | 0.71 | 2.59E-05 | 2.63E-03 | 1.01 | 9.42E-01 | 9.89E-01 | 0.87 | 3.45E-02 | 1.67E-01 | 0.98 | 8.40E-01 | 9.69E-01 |
| 201927\_s\_at | *PKP4* | 0.64 | 1.67E-04 | 7.65E-03 | 0.86 | 2.42E-01 | 6.96E-01 | 0.76 | 4.20E-03 | 3.80E-02 | 0.99 | 8.86E-01 | 9.79E-01 |
| 201928\_at | *PKP4* | 0.80 | 1.04E-01 | 3.92E-01 | 0.93 | 4.83E-01 | 8.57E-01 | 0.87 | 1.22E-01 | 3.71E-01 | 0.84 | 5.11E-02 | 5.38E-01 |
| 201929\_s\_at | *PKP4* | 0.73 | 2.58E-02 | 1.72E-01 | 0.90 | 2.54E-01 | 7.08E-01 | 0.82 | 2.24E-02 | 1.24E-01 | 0.76 | 1.10E-02 | 3.80E-01 |
| 214874\_at | *PKP4* | 0.85 | 2.73E-02 | 1.78E-01 | 0.96 | 5.85E-01 | 8.99E-01 | 0.91 | 8.49E-02 | 2.97E-01 | 0.93 | 2.61E-01 | 7.71E-01 |
| 201373\_at | *PLEC1* | 0.76 | 2.88E-03 | 4.29E-02 | 0.99 | 9.14E-01 | 9.83E-01 | 0.89 | 8.80E-02 | 3.04E-01 | 1.00 | 9.88E-01 | 9.98E-01 |
| 216971\_s\_at | *PLEC1* | 0.70 | 1.18E-04 | 6.33E-03 | 0.94 | 6.41E-01 | 9.16E-01 | 0.83 | 4.19E-02 | 1.89E-01 | 0.89 | 3.41E-01 | 8.13E-01 |
| 228450\_at | *PLEKHA7* | 0.76 | 2.71E-03 | 4.11E-02 | 0.82 | 1.61E-01 | 6.02E-01 | 0.79 | 1.40E-02 | 8.92E-02 | 1.02 | 8.70E-01 | 9.76E-01 |
| 203407\_at | *PPL* | 1.06 | 6.51E-01 | 8.82E-01 | 1.06 | 4.32E-01 | 8.31E-01 | 1.06 | 4.12E-01 | 7.03E-01 | 1.06 | 6.53E-01 | 9.25E-01 |
| 204896\_s\_at | *PTGER4* | 1.12 | 4.56E-01 | 7.77E-01 | 1.05 | 6.20E-01 | 9.09E-01 | 1.07 | 3.92E-01 | 6.87E-01 | 0.84 | 2.35E-02 | 4.49E-01 |
| 204897\_at | *PTGER4* | 1.18 | 1.65E-01 | 4.98E-01 | 0.93 | 2.69E-01 | 7.21E-01 | 1.03 | 6.74E-01 | 8.70E-01 | 0.89 | 4.18E-01 | 8.49E-01 |
| 204935\_at | *PTPN2* | 1.02 | 7.70E-01 | 9.29E-01 | 0.90 | 2.87E-01 | 7.35E-01 | 0.95 | 3.91E-01 | 6.87E-01 | 1.01 | 8.27E-01 | 9.67E-01 |
| 213136\_at | *PTPN2* | 0.91 | 2.11E-01 | 5.62E-01 | 0.93 | 2.30E-01 | 6.84E-01 | 0.92 | 7.90E-02 | 2.84E-01 | 0.79 | 1.01E-03 | 2.30E-01 |
| 213137\_s\_at | *PTPN2* | 0.85 | 2.48E-01 | 6.03E-01 | 0.89 | 1.65E-01 | 6.05E-01 | 0.87 | 8.64E-02 | 3.00E-01 | 0.88 | 1.50E-01 | 6.84E-01 |
| 241622\_at | *PTPN2* | 0.99 | 8.76E-01 | 9.65E-01 | 1.00 | 9.83E-01 | 9.97E-01 | 1.00 | 9.09E-01 | 9.68E-01 | 1.13 | 4.37E-02 | 5.18E-01 |
| 241623\_at | *PTPN2* | 1.15 | 8.41E-02 | 3.48E-01 | 0.99 | 9.04E-01 | 9.81E-01 | 1.06 | 2.26E-01 | 5.21E-01 | 0.96 | 4.82E-01 | 8.73E-01 |
| 241983\_at | *PTPN2* | 1.01 | 9.35E-01 | 9.83E-01 | 1.04 | 4.38E-01 | 8.35E-01 | 1.03 | 5.16E-01 | 7.77E-01 | 1.05 | 4.31E-01 | 8.53E-01 |
| 223969\_s\_at | *RETNLB* | 2.38 | 5.08E-03 | 6.15E-02 | 1.09 | 5.35E-01 | 8.79E-01 | 1.51 | 1.73E-02 | 1.04E-01 | 0.91 | 5.10E-01 | 8.83E-01 |
| 223970\_at | *RETNLB* | 2.02 | 2.29E-02 | 1.59E-01 | 0.98 | 8.66E-01 | 9.75E-01 | 1.32 | 1.08E-01 | 3.44E-01 | 0.98 | 9.07E-01 | 9.84E-01 |
| 1555814\_a\_at | *RHOA* | 0.86 | 4.76E-02 | 2.51E-01 | 0.97 | 7.88E-01 | 9.57E-01 | 0.92 | 2.73E-01 | 5.77E-01 | 0.80 | 2.91E-02 | 4.68E-01 |
| 200059\_s\_at | *RHOA* | 0.88 | 3.92E-02 | 2.23E-01 | 0.96 | 4.72E-01 | 8.52E-01 | 0.92 | 5.74E-02 | 2.32E-01 | 0.92 | 9.23E-02 | 6.15E-01 |
| 240337\_at | *RHOA* | 1.00 | 9.85E-01 | 9.96E-01 | 1.07 | 1.56E-01 | 5.93E-01 | 1.04 | 2.26E-01 | 5.21E-01 | 0.99 | 8.77E-01 | 9.77E-01 |
| 213044\_at | *ROCK1* | 0.91 | 2.33E-01 | 5.86E-01 | 0.93 | 3.68E-01 | 7.95E-01 | 0.92 | 1.54E-01 | 4.23E-01 | 0.88 | 1.35E-01 | 6.69E-01 |
| 214578\_s\_at | *ROCK1* | 0.87 | 1.39E-01 | 4.56E-01 | 0.97 | 7.37E-01 | 9.45E-01 | 0.93 | 2.22E-01 | 5.17E-01 | 0.86 | 6.87E-02 | 5.76E-01 |
| 230239\_at | *ROCK1* | 0.95 | 4.28E-01 | 7.59E-01 | 0.97 | 6.27E-01 | 9.12E-01 | 0.96 | 3.63E-01 | 6.63E-01 | 1.12 | 5.13E-02 | 5.38E-01 |
| 235854\_x\_at | *ROCK1* | 1.08 | 4.24E-01 | 7.56E-01 | 0.99 | 9.02E-01 | 9.81E-01 | 1.03 | 6.07E-01 | 8.32E-01 | 1.15 | 6.97E-02 | 5.78E-01 |
| 202762\_at | *ROCK2* | 1.02 | 7.03E-01 | 9.04E-01 | 1.14 | 4.16E-02 | 3.35E-01 | 1.09 | 5.60E-02 | 2.29E-01 | 0.97 | 6.61E-01 | 9.27E-01 |
| 211504\_x\_at | *ROCK2* | 0.98 | 8.64E-01 | 9.61E-01 | 1.09 | 1.72E-01 | 6.15E-01 | 1.04 | 4.34E-01 | 7.20E-01 | 0.94 | 3.03E-01 | 7.95E-01 |
| 1554595\_at | *SYMPK* | 0.95 | 5.53E-01 | 8.36E-01 | 0.99 | 8.81E-01 | 9.78E-01 | 0.97 | 6.33E-01 | 8.48E-01 | 0.96 | 6.54E-01 | 9.26E-01 |
| 202339\_at | *SYMPK* | 0.94 | 3.85E-01 | 7.29E-01 | 1.19 | 3.71E-03 | 9.65E-02 | 1.08 | 1.23E-01 | 3.71E-01 | 1.03 | 6.61E-01 | 9.27E-01 |
| 32402\_s\_at | *SYMPK* | 0.96 | 6.12E-01 | 8.66E-01 | 1.02 | 8.29E-01 | 9.67E-01 | 0.99 | 8.51E-01 | 9.48E-01 | 0.98 | 7.37E-01 | 9.46E-01 |
| 203753\_at | *TCF4* | 0.51 | 1.73E-02 | 1.33E-01 | 0.50 | 3.12E-03 | 8.80E-02 | 0.50 | 3.27E-04 | 6.09E-03 | 0.66 | 6.74E-02 | 5.73E-01 |
| 212382\_at | *TCF4* | 0.62 | 3.36E-03 | 4.72E-02 | 0.62 | 7.20E-03 | 1.36E-01 | 0.62 | 2.15E-04 | 4.53E-03 | 0.73 | 9.12E-02 | 6.12E-01 |
| 212385\_at | *TCF4* | 0.70 | 5.10E-02 | 2.62E-01 | 0.63 | 4.67E-03 | 1.09E-01 | 0.66 | 1.11E-03 | 1.45E-02 | 0.64 | 7.09E-03 | 3.53E-01 |
| 212386\_at | *TCF4* | 0.53 | 1.06E-02 | 9.84E-02 | 0.58 | 1.82E-02 | 2.23E-01 | 0.56 | 1.13E-03 | 1.48E-02 | 0.68 | 3.87E-02 | 5.02E-01 |
| 212387\_at | *TCF4* | 0.57 | 1.76E-02 | 1.34E-01 | 0.54 | 3.50E-03 | 9.38E-02 | 0.55 | 3.50E-04 | 6.40E-03 | 0.61 | 2.43E-02 | 4.51E-01 |
| 213891\_s\_at | *TCF4* | 0.56 | 2.31E-02 | 1.60E-01 | 0.62 | 1.21E-02 | 1.79E-01 | 0.59 | 1.35E-03 | 1.69E-02 | 0.65 | 1.35E-02 | 3.99E-01 |
| 222146\_s\_at | *TCF4* | 0.54 | 2.88E-02 | 1.85E-01 | 0.61 | 1.76E-02 | 2.19E-01 | 0.58 | 2.29E-03 | 2.48E-02 | 0.51 | 2.20E-03 | 2.84E-01 |
| 228837\_at | *TCF4* | 0.92 | 3.57E-01 | 7.06E-01 | 0.80 | 1.35E-02 | 1.89E-01 | 0.85 | 1.36E-02 | 8.74E-02 | 0.90 | 3.27E-01 | 8.07E-01 |
| 205009\_at | *TFF1* | 0.44 | 4.59E-06 | 1.16E-03 | 0.79 | 2.63E-01 | 7.16E-01 | 0.61 | 2.91E-03 | 2.93E-02 | 0.95 | 8.29E-01 | 9.67E-01 |
| 214476\_at | *TFF2* | 0.37 | 2.50E-04 | 9.62E-03 | 0.80 | 2.60E-01 | 7.13E-01 | 0.58 | 3.03E-03 | 3.02E-02 | 1.31 | 3.44E-01 | 8.14E-01 |
| 204623\_at | *TFF3* | 1.01 | 9.11E-01 | 9.75E-01 | 0.82 | 7.95E-02 | 4.53E-01 | 0.90 | 2.07E-01 | 4.98E-01 | 0.79 | 6.57E-02 | 5.70E-01 |
| 202011\_at | *TJP1* | 0.94 | 4.24E-01 | 7.56E-01 | 1.02 | 8.24E-01 | 9.66E-01 | 0.98 | 7.63E-01 | 9.11E-01 | 1.02 | 7.61E-01 | 9.52E-01 |
| 214168\_s\_at | *TJP1* | 0.74 | 5.17E-03 | 6.21E-02 | 1.00 | 9.90E-01 | 9.98E-01 | 0.88 | 1.61E-01 | 4.34E-01 | 1.18 | 1.06E-01 | 6.35E-01 |
| 202085\_at | *TJP2* | 0.88 | 4.10E-02 | 2.29E-01 | 0.92 | 3.18E-01 | 7.59E-01 | 0.91 | 5.89E-02 | 2.36E-01 | 1.06 | 3.20E-01 | 8.03E-01 |
| 232017\_at | *TJP2* | 0.89 | 3.53E-01 | 7.04E-01 | 0.99 | 9.56E-01 | 9.92E-01 | 0.95 | 5.61E-01 | 8.07E-01 | 1.23 | 2.06E-01 | 7.37E-01 |
| 237132\_at | *TJP2* | 0.88 | 6.16E-02 | 2.93E-01 | 0.94 | 2.69E-01 | 7.21E-01 | 0.91 | 3.62E-02 | 1.72E-01 | 1.05 | 4.76E-01 | 8.70E-01 |
| 242991\_at | *TJP2* | 1.02 | 7.11E-01 | 9.07E-01 | 0.93 | 1.44E-01 | 5.76E-01 | 0.96 | 3.18E-01 | 6.22E-01 | 1.03 | 6.88E-01 | 9.35E-01 |
| 213412\_at | *TJP3* | 0.81 | 2.04E-02 | 1.48E-01 | 1.06 | 4.62E-01 | 8.47E-01 | 0.94 | 3.45E-01 | 6.47E-01 | 1.06 | 5.00E-01 | 8.80E-01 |
| 35148\_at | *TJP3* | 0.91 | 2.18E-01 | 5.70E-01 | 1.09 | 3.19E-01 | 7.60E-01 | 1.01 | 8.24E-01 | 9.38E-01 | 1.13 | 1.85E-01 | 7.18E-01 |
| 204253\_s\_at | *VDR* | 1.05 | 4.62E-01 | 7.81E-01 | 1.03 | 7.14E-01 | 9.37E-01 | 1.04 | 4.85E-01 | 7.56E-01 | 1.11 | 2.47E-01 | 7.63E-01 |
| 204254\_s\_at | *VDR* | 1.26 | 2.47E-03 | 3.87E-02 | 1.21 | 5.78E-03 | 1.21E-01 | 1.23 | 4.19E-05 | 1.43E-03 | 1.25 | 5.19E-03 | 3.23E-01 |
| 204255\_s\_at | *VDR* | 1.25 | 1.39E-02 | 1.16E-01 | 1.22 | 2.36E-02 | 2.55E-01 | 1.23 | 1.13E-03 | 1.48E-02 | 1.26 | 8.56E-02 | 6.05E-01 |
| 213692\_s\_at | *VDR* | 1.07 | 3.52E-01 | 7.02E-01 | 1.03 | 6.17E-01 | 9.09E-01 | 1.05 | 3.16E-01 | 6.20E-01 | 1.15 | 1.90E-02 | 4.29E-01 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Probeset ID** | **Gene symbol** | **UC R after therapy (n=8)  versus control colons (n=6)** | | | **CDc R after therapy (n=11)  versus  control colons (n=6)** | | | **IBDc R after therapy (n=19)  versus control colons (n=6)** | | | **CDi R after therapy (n=8) versus  control ileums (n=6)** | | |
|
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| **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** |
| 209521\_s\_at | *AMOT* | 1.04 | 5.82E-01 | 8.90E-01 | 1.05 | 3.46E-01 | 6.82E-01 | 1.05 | 4.14E-01 | 7.75E-01 | 1.05 | 3.83E-01 | 6.86E-01 |
| 225450\_at | *AMOTL1* | 1.18 | 2.28E-01 | 6.92E-01 | 0.93 | 5.49E-01 | 8.15E-01 | 1.03 | 8.15E-01 | 9.52E-01 | 0.98 | 8.86E-01 | 9.59E-01 |
| 225459\_at | *AMOTL1* | 0.95 | 5.84E-01 | 8.91E-01 | 0.92 | 1.73E-01 | 5.18E-01 | 0.93 | 3.18E-01 | 7.08E-01 | 1.09 | 3.97E-01 | 6.96E-01 |
| 228840\_at | *AMOTL1* | 1.02 | 8.59E-01 | 9.69E-01 | 0.91 | 2.41E-01 | 5.92E-01 | 0.96 | 6.63E-01 | 9.00E-01 | 1.04 | 5.79E-01 | 8.14E-01 |
| 235277\_at | *AMOTL1* | 0.86 | 1.85E-01 | 6.50E-01 | 0.79 | 7.84E-03 | 1.45E-01 | 0.82 | 3.30E-02 | 2.91E-01 | 0.97 | 7.27E-01 | 8.89E-01 |
| 203002\_at | *AMOTL2* | 1.11 | 5.96E-01 | 8.96E-01 | 1.25 | 2.26E-01 | 5.77E-01 | 1.19 | 3.14E-01 | 7.05E-01 | 1.02 | 8.81E-01 | 9.57E-01 |
| 201130\_s\_at | *CDH1* | 0.43 | 1.01E-02 | 2.59E-01 | 0.38 | 6.84E-03 | 1.37E-01 | 0.40 | 4.17E-03 | 1.18E-01 | 0.75 | 4.57E-01 | 7.37E-01 |
| 201131\_s\_at | *CDH1* | 0.84 | 1.44E-02 | 2.92E-01 | 0.88 | 5.94E-02 | 3.31E-01 | 0.86 | 1.92E-02 | 2.31E-01 | 1.24 | 3.02E-03 | 1.26E-01 |
| 223232\_s\_at | *CGN* | 0.76 | 1.38E-01 | 6.01E-01 | 0.96 | 8.28E-01 | 9.42E-01 | 0.87 | 4.44E-01 | 7.92E-01 | 1.30 | 8.18E-02 | 3.63E-01 |
| 223233\_s\_at | *CGN* | 0.59 | 5.54E-04 | 1.16E-01 | 0.69 | 1.63E-02 | 1.94E-01 | 0.65 | 1.50E-03 | 7.46E-02 | 1.08 | 5.32E-01 | 7.85E-01 |
| 1569847\_at | *CGNL1* | 0.93 | 3.09E-01 | 7.55E-01 | 1.03 | 6.57E-01 | 8.70E-01 | 0.99 | 8.21E-01 | 9.54E-01 | 1.08 | 2.63E-01 | 5.83E-01 |
| 225817\_at | *CGNL1* | 1.50 | 5.35E-02 | 4.42E-01 | 1.23 | 2.38E-01 | 5.89E-01 | 1.34 | 9.57E-02 | 4.50E-01 | 0.84 | 1.12E-01 | 4.09E-01 |
| 218182\_s\_at | *CLDN1* | 1.11 | 1.60E-01 | 6.25E-01 | 1.12 | 1.19E-01 | 4.42E-01 | 1.12 | 8.84E-02 | 4.35E-01 | 1.07 | 3.39E-01 | 6.51E-01 |
| 222549\_at | *CLDN1* | 1.54 | 5.64E-02 | 4.51E-01 | 1.96 | 7.56E-04 | 6.23E-02 | 1.77 | 4.20E-03 | 1.18E-01 | 1.73 | 1.23E-02 | 1.93E-01 |
| 1556687\_a\_at | *CLDN10* | 1.05 | 7.21E-01 | 9.33E-01 | 1.08 | 1.54E-01 | 4.94E-01 | 1.07 | 4.90E-01 | 8.19E-01 | 1.04 | 7.06E-01 | 8.80E-01 |
| 205328\_at | *CLDN10* | 1.07 | 6.22E-01 | 9.05E-01 | 1.12 | 9.99E-02 | 4.12E-01 | 1.10 | 3.18E-01 | 7.08E-01 | 1.05 | 3.89E-01 | 6.89E-01 |
| 206908\_s\_at | *CLDN11* | 0.97 | 8.09E-01 | 9.57E-01 | 0.87 | 1.60E-01 | 5.02E-01 | 0.91 | 2.95E-01 | 6.89E-01 | 0.94 | 4.42E-01 | 7.27E-01 |
| 228335\_at | *CLDN11* | 1.11 | 2.23E-01 | 6.89E-01 | 1.07 | 1.63E-01 | 5.07E-01 | 1.09 | 1.68E-01 | 5.59E-01 | 0.98 | 7.31E-01 | 8.92E-01 |
| 223249\_at | *CLDN12* | 1.36 | 1.98E-02 | 3.22E-01 | 1.30 | 6.58E-02 | 3.46E-01 | 1.33 | 2.37E-02 | 2.53E-01 | 1.30 | 1.28E-01 | 4.34E-01 |
| 210689\_at | *CLDN14* | 1.03 | 7.50E-01 | 9.42E-01 | 1.09 | 4.72E-01 | 7.70E-01 | 1.06 | 5.33E-01 | 8.42E-01 | 1.09 | 4.11E-01 | 7.07E-01 |
| 1552845\_at | *CLDN15* | 1.11 | 4.02E-01 | 8.13E-01 | 0.95 | 5.71E-01 | 8.27E-01 | 1.02 | 8.69E-01 | 9.68E-01 | 1.06 | 7.20E-01 | 8.86E-01 |
| 219640\_at | *CLDN15* | 0.92 | 4.13E-01 | 8.18E-01 | 0.80 | 2.96E-02 | 2.48E-01 | 0.85 | 9.39E-02 | 4.46E-01 | 0.96 | 7.59E-01 | 9.04E-01 |
| 220332\_at | *CLDN16* | 1.06 | 6.91E-01 | 9.25E-01 | 1.04 | 6.19E-01 | 8.51E-01 | 1.05 | 6.65E-01 | 9.00E-01 | 1.01 | 9.12E-01 | 9.69E-01 |
| 221328\_at | *CLDN17* | 1.10 | 4.27E-01 | 8.25E-01 | 1.08 | 2.25E-01 | 5.76E-01 | 1.09 | 3.16E-01 | 7.06E-01 | 1.30 | 8.05E-04 | 8.89E-02 |
| 214135\_at | *CLDN18* | 1.15 | 2.00E-01 | 6.66E-01 | 1.23 | 5.36E-02 | 3.17E-01 | 1.19 | 8.60E-02 | 4.31E-01 | 2.57 | 1.79E-02 | 2.13E-01 |
| 221132\_at | *CLDN18* | 0.92 | 4.40E-01 | 8.31E-01 | 0.98 | 8.42E-01 | 9.47E-01 | 0.96 | 5.84E-01 | 8.66E-01 | 1.49 | 1.97E-01 | 5.17E-01 |
| 221133\_s\_at | *CLDN18* | 0.96 | 6.17E-01 | 9.03E-01 | 1.02 | 8.31E-01 | 9.43E-01 | 0.99 | 9.07E-01 | 9.78E-01 | 1.88 | 3.79E-02 | 2.73E-01 |
| 232578\_at | *CLDN18* | 1.04 | 4.55E-01 | 8.37E-01 | 1.07 | 2.35E-01 | 5.86E-01 | 1.05 | 2.49E-01 | 6.49E-01 | 2.15 | 1.37E-01 | 4.45E-01 |
| 1552535\_at | *CLDN19* | 1.00 | 9.83E-01 | 9.96E-01 | 0.94 | 3.51E-01 | 6.86E-01 | 0.97 | 6.08E-01 | 8.76E-01 | 1.22 | 9.07E-03 | 1.79E-01 |
| 1554804\_a\_at | *CLDN19* | 1.10 | 4.35E-01 | 8.29E-01 | 1.07 | 2.51E-01 | 6.01E-01 | 1.08 | 3.66E-01 | 7.43E-01 | 1.02 | 7.82E-01 | 9.14E-01 |
| 1554805\_at | *CLDN19* | 0.82 | 4.20E-02 | 4.09E-01 | 0.85 | 4.71E-02 | 3.02E-01 | 0.84 | 2.48E-02 | 2.57E-01 | 1.12 | 2.59E-01 | 5.80E-01 |
| 223509\_at | *CLDN2* | 1.20 | 3.70E-01 | 7.95E-01 | 1.29 | 1.99E-01 | 5.48E-01 | 1.25 | 2.54E-01 | 6.53E-01 | 1.44 | 1.91E-01 | 5.11E-01 |
| 1554812\_at | *CLDN20* | 1.14 | 8.00E-02 | 5.08E-01 | 1.15 | 1.34E-01 | 4.67E-01 | 1.14 | 9.24E-02 | 4.43E-01 | 1.06 | 4.09E-01 | 7.05E-01 |
| 222738\_at | *CLDN22* | 0.98 | 8.25E-01 | 9.62E-01 | 0.95 | 5.05E-01 | 7.90E-01 | 0.96 | 6.02E-01 | 8.73E-01 | 1.04 | 5.51E-01 | 7.96E-01 |
| 228704\_s\_at | *CLDN23* | 0.86 | 2.97E-01 | 7.48E-01 | 0.95 | 7.20E-01 | 8.99E-01 | 0.91 | 4.29E-01 | 7.84E-01 | 0.92 | 5.26E-01 | 7.81E-01 |
| 228706\_s\_at | *CLDN23* | 0.47 | 3.73E-03 | 1.83E-01 | 0.67 | 1.16E-01 | 4.38E-01 | 0.58 | 2.68E-02 | 2.65E-01 | 0.89 | 6.38E-01 | 8.46E-01 |
| 228707\_at | *CLDN23* | 0.59 | 1.29E-02 | 2.82E-01 | 0.81 | 2.73E-01 | 6.22E-01 | 0.71 | 8.30E-02 | 4.24E-01 | 0.97 | 8.83E-01 | 9.57E-01 |
| 203953\_s\_at | *CLDN3* | 0.81 | 1.09E-01 | 5.56E-01 | 0.73 | 5.44E-02 | 3.19E-01 | 0.76 | 5.93E-02 | 3.69E-01 | 0.80 | 2.16E-01 | 5.37E-01 |
| 203954\_x\_at | *CLDN3* | 0.94 | 5.32E-01 | 8.71E-01 | 0.91 | 3.66E-01 | 6.97E-01 | 0.92 | 3.88E-01 | 7.58E-01 | 0.94 | 6.63E-01 | 8.59E-01 |
| 1569421\_at | *CLDN4* | 1.08 | 5.25E-01 | 8.69E-01 | 0.95 | 4.63E-01 | 7.64E-01 | 1.00 | 9.65E-01 | 9.92E-01 | 1.26 | 9.94E-03 | 1.83E-01 |
| 201428\_at | *CLDN4* | 0.84 | 1.84E-01 | 6.50E-01 | 0.79 | 7.60E-02 | 3.68E-01 | 0.81 | 9.99E-02 | 4.57E-01 | 0.86 | 3.78E-01 | 6.82E-01 |
| 204482\_at | *CLDN5* | 0.95 | 5.45E-01 | 8.77E-01 | 0.94 | 4.10E-01 | 7.28E-01 | 0.94 | 4.19E-01 | 7.79E-01 | 1.08 | 5.89E-01 | 8.20E-01 |
| 208474\_at | *CLDN6* | 0.72 | 1.29E-02 | 2.82E-01 | 0.79 | 2.26E-03 | 9.18E-02 | 0.76 | 4.90E-03 | 1.28E-01 | 0.85 | 6.39E-02 | 3.30E-01 |
| 237810\_at | *CLDN6* | 0.99 | 8.87E-01 | 9.75E-01 | 0.97 | 5.41E-01 | 8.10E-01 | 0.98 | 7.09E-01 | 9.17E-01 | 1.08 | 2.62E-01 | 5.83E-01 |
| 202790\_at | *CLDN7* | 0.96 | 5.82E-01 | 8.90E-01 | 1.02 | 8.11E-01 | 9.35E-01 | 1.00 | 9.78E-01 | 9.95E-01 | 0.99 | 9.57E-01 | 9.86E-01 |
| 214598\_at | *CLDN8* | 0.65 | 6.02E-01 | 8.98E-01 | 0.88 | 8.78E-01 | 9.60E-01 | 0.77 | 7.39E-01 | 9.28E-01 | 0.32 | 9.03E-03 | 1.79E-01 |
| 214635\_at | *CLDN9* | 0.83 | 2.83E-01 | 7.36E-01 | 0.79 | 3.66E-03 | 1.09E-01 | 0.81 | 8.14E-02 | 4.22E-01 | 0.95 | 6.48E-01 | 8.52E-01 |
| 1558214\_s\_at | *CTNNA1* | 0.43 | 1.28E-02 | 2.81E-01 | 0.45 | 1.27E-02 | 1.76E-01 | 0.44 | 7.36E-03 | 1.55E-01 | 0.80 | 4.61E-01 | 7.39E-01 |
| 200764\_s\_at | *CTNNA1* | 0.76 | 2.48E-02 | 3.45E-01 | 0.78 | 2.05E-02 | 2.13E-01 | 0.77 | 1.11E-02 | 1.84E-01 | 1.10 | 2.17E-01 | 5.37E-01 |
| 200765\_x\_at | *CTNNA1* | 0.79 | 3.92E-02 | 3.99E-01 | 0.87 | 1.96E-01 | 5.45E-01 | 0.84 | 8.20E-02 | 4.23E-01 | 1.21 | 1.82E-02 | 2.14E-01 |
| 210844\_x\_at | *CTNNA1* | 0.83 | 7.13E-02 | 4.90E-01 | 0.87 | 2.05E-01 | 5.55E-01 | 0.85 | 1.06E-01 | 4.67E-01 | 1.21 | 4.19E-02 | 2.84E-01 |
| 215883\_at | *CTNNA1* | 1.12 | 2.15E-01 | 6.81E-01 | 1.05 | 4.51E-01 | 7.56E-01 | 1.08 | 3.05E-01 | 6.98E-01 | 1.21 | 2.98E-02 | 2.51E-01 |
| 1554411\_at | *CTNNB1* | 0.39 | 1.54E-02 | 2.97E-01 | 0.45 | 1.43E-02 | 1.85E-01 | 0.43 | 6.75E-03 | 1.48E-01 | 0.59 | 1.52E-01 | 4.64E-01 |
| 201533\_at | *CTNNB1* | 0.89 | 2.68E-01 | 7.27E-01 | 0.92 | 2.50E-01 | 6.00E-01 | 0.91 | 2.43E-01 | 6.43E-01 | 0.98 | 8.52E-01 | 9.44E-01 |
| 223679\_at | *CTNNB1* | 2.08 | 7.74E-03 | 2.35E-01 | 1.96 | 6.65E-03 | 1.36E-01 | 2.01 | 3.01E-03 | 1.01E-01 | 1.46 | 6.10E-02 | 3.25E-01 |
| 1557944\_s\_at | *CTNND1* | 0.91 | 4.08E-01 | 8.16E-01 | 0.95 | 6.70E-01 | 8.76E-01 | 0.93 | 5.36E-01 | 8.43E-01 | 0.93 | 6.70E-01 | 8.62E-01 |
| 208407\_s\_at | *CTNND1* | 0.84 | 5.13E-02 | 4.37E-01 | 0.93 | 1.49E-01 | 4.87E-01 | 0.89 | 6.80E-02 | 3.88E-01 | 1.07 | 4.89E-01 | 7.57E-01 |
| 208862\_s\_at | *CTNND1* | 0.81 | 3.99E-02 | 4.01E-01 | 0.90 | 2.42E-01 | 5.93E-01 | 0.86 | 9.12E-02 | 4.41E-01 | 1.04 | 7.68E-01 | 9.08E-01 |
| 211240\_x\_at | *CTNND1* | 0.78 | 1.60E-02 | 3.03E-01 | 0.91 | 1.53E-01 | 4.93E-01 | 0.85 | 4.69E-02 | 3.36E-01 | 1.11 | 3.93E-01 | 6.93E-01 |
| 1555716\_a\_at | *CXADR* | 0.53 | 2.75E-03 | 1.69E-01 | 0.47 | 1.78E-04 | 3.55E-02 | 0.49 | 2.14E-04 | 3.10E-02 | 0.43 | 6.60E-03 | 1.64E-01 |
| 203917\_at | *CXADR* | 0.88 | 1.88E-01 | 6.55E-01 | 0.86 | 1.27E-01 | 4.56E-01 | 0.87 | 1.03E-01 | 4.61E-01 | 1.04 | 8.05E-01 | 9.25E-01 |
| 207324\_s\_at | *DSC1* | 1.07 | 5.26E-01 | 8.69E-01 | 1.07 | 3.92E-01 | 7.17E-01 | 1.07 | 4.23E-01 | 7.81E-01 | 0.98 | 6.93E-01 | 8.73E-01 |
| 204750\_s\_at | *DSC2* | 0.92 | 6.63E-01 | 9.18E-01 | 1.23 | 9.72E-02 | 4.07E-01 | 1.09 | 5.75E-01 | 8.62E-01 | 1.38 | 3.00E-02 | 2.51E-01 |
| 204751\_x\_at | *DSC2* | 0.54 | 4.38E-03 | 1.91E-01 | 0.63 | 4.08E-03 | 1.14E-01 | 0.59 | 2.42E-03 | 9.18E-02 | 0.91 | 5.20E-01 | 7.78E-01 |
| 226817\_at | *DSC2* | 0.77 | 8.30E-03 | 2.41E-01 | 0.87 | 1.10E-01 | 4.27E-01 | 0.82 | 2.99E-02 | 2.79E-01 | 0.93 | 3.66E-01 | 6.73E-01 |
| 206032\_at | *DSC3* | 1.00 | 9.82E-01 | 9.96E-01 | 1.00 | 9.44E-01 | 9.82E-01 | 1.00 | 9.52E-01 | 9.89E-01 | 1.12 | 8.39E-02 | 3.67E-01 |
| 206033\_s\_at | *DSC3* | 1.11 | 3.07E-01 | 7.54E-01 | 0.98 | 7.02E-01 | 8.91E-01 | 1.03 | 6.68E-01 | 9.01E-01 | 1.06 | 3.49E-01 | 6.59E-01 |
| 206642\_at | *DSG1* | 1.03 | 6.41E-01 | 9.11E-01 | 1.05 | 2.77E-01 | 6.27E-01 | 1.04 | 4.28E-01 | 7.84E-01 | 0.95 | 4.07E-01 | 7.04E-01 |
| 1553105\_s\_at | *DSG2* | 0.94 | 4.09E-01 | 8.17E-01 | 1.06 | 6.05E-01 | 8.44E-01 | 1.01 | 9.24E-01 | 9.82E-01 | 1.38 | 8.59E-02 | 3.70E-01 |
| 217901\_at | *DSG2* | 0.86 | 3.90E-02 | 3.98E-01 | 0.99 | 8.98E-01 | 9.68E-01 | 0.94 | 3.07E-01 | 6.99E-01 | 1.15 | 1.37E-01 | 4.46E-01 |
| 205595\_at | *DSG3* | 0.87 | 2.29E-01 | 6.94E-01 | 0.95 | 7.22E-01 | 9.00E-01 | 0.92 | 5.10E-01 | 8.30E-01 | 0.96 | 8.21E-01 | 9.32E-01 |
| 235075\_at | *DSG3* | 1.16 | 1.72E-01 | 6.40E-01 | 1.26 | 1.49E-01 | 4.87E-01 | 1.21 | 1.49E-01 | 5.34E-01 | 0.77 | 3.17E-01 | 6.32E-01 |
| 1561330\_at | *DSG4* | 0.98 | 7.83E-01 | 9.49E-01 | 1.05 | 5.77E-01 | 8.29E-01 | 1.02 | 7.80E-01 | 9.40E-01 | 1.15 | 5.03E-02 | 3.03E-01 |
| 200606\_at | *DSP* | 1.00 | 9.86E-01 | 9.96E-01 | 0.97 | 6.93E-01 | 8.88E-01 | 0.98 | 8.26E-01 | 9.56E-01 | 1.08 | 2.73E-01 | 5.92E-01 |
| 215810\_x\_at | *DST* | 1.06 | 4.37E-01 | 8.30E-01 | 1.01 | 8.44E-01 | 9.48E-01 | 1.03 | 6.14E-01 | 8.79E-01 | 1.22 | 2.17E-02 | 2.27E-01 |
| 215814\_at | *DST* | 1.01 | 8.21E-01 | 9.62E-01 | 1.00 | 9.65E-01 | 9.88E-01 | 1.00 | 9.45E-01 | 9.88E-01 | 1.10 | 1.33E-01 | 4.40E-01 |
| 220154\_at | *DST* | 0.79 | 1.37E-02 | 2.89E-01 | 0.85 | 6.54E-02 | 3.46E-01 | 0.82 | 2.39E-02 | 2.54E-01 | 0.80 | 2.00E-02 | 2.21E-01 |
| 209365\_s\_at | *ECM1* | 0.93 | 6.11E-01 | 9.01E-01 | 0.89 | 2.87E-01 | 6.35E-01 | 0.91 | 3.98E-01 | 7.64E-01 | 1.05 | 5.35E-01 | 7.86E-01 |
| 219436\_s\_at | *EMCN* | 1.21 | 3.28E-01 | 7.69E-01 | 0.90 | 4.20E-01 | 7.35E-01 | 1.02 | 9.08E-01 | 9.79E-01 | 0.97 | 7.60E-01 | 9.05E-01 |
| 222885\_at | *EMCN* | 1.36 | 2.23E-01 | 6.90E-01 | 1.28 | 1.34E-01 | 4.66E-01 | 1.31 | 1.69E-01 | 5.60E-01 | 1.03 | 7.72E-01 | 9.10E-01 |
| 227874\_at | *EMCN* | 1.29 | 9.79E-02 | 5.39E-01 | 1.02 | 9.02E-01 | 9.68E-01 | 1.12 | 4.11E-01 | 7.73E-01 | 1.03 | 8.03E-01 | 9.24E-01 |
| 222354\_at | *F11R* | 0.72 | 7.16E-02 | 4.90E-01 | 0.82 | 1.34E-01 | 4.66E-01 | 0.77 | 8.42E-02 | 4.27E-01 | 0.94 | 7.47E-01 | 8.99E-01 |
| 223000\_s\_at | *F11R* | 0.87 | 8.88E-02 | 5.23E-01 | 0.93 | 2.88E-01 | 6.36E-01 | 0.90 | 1.38E-01 | 5.19E-01 | 1.11 | 2.91E-01 | 6.09E-01 |
| 224097\_s\_at | *F11R* | 0.63 | 1.25E-02 | 2.79E-01 | 0.79 | 1.23E-01 | 4.50E-01 | 0.72 | 3.36E-02 | 2.93E-01 | 1.21 | 3.29E-01 | 6.42E-01 |
| 221664\_s\_at | *F11R* | 0.90 | 2.76E-01 | 7.32E-01 | 1.00 | 9.99E-01 | 1.00E+00 | 0.96 | 6.83E-01 | 9.08E-01 | 1.13 | 2.92E-01 | 6.11E-01 |
| 206795\_at | *F2RL2* | 1.09 | 3.37E-01 | 7.74E-01 | 1.09 | 1.56E-01 | 4.96E-01 | 1.09 | 1.81E-01 | 5.75E-01 | 1.12 | 1.16E-01 | 4.15E-01 |
| 230147\_at | *F2RL2* | 1.30 | 3.11E-02 | 3.69E-01 | 1.29 | 3.81E-02 | 2.76E-01 | 1.30 | 2.57E-02 | 2.61E-01 | 1.03 | 7.49E-01 | 9.00E-01 |
| 221737\_at | *GNA12* | 1.01 | 8.90E-01 | 9.75E-01 | 1.03 | 6.88E-01 | 8.85E-01 | 1.02 | 7.33E-01 | 9.26E-01 | 0.95 | 4.47E-01 | 7.30E-01 |
| 224681\_at | *GNA12* | 0.90 | 3.86E-01 | 8.05E-01 | 0.94 | 4.56E-01 | 7.59E-01 | 0.92 | 3.89E-01 | 7.59E-01 | 0.94 | 5.00E-01 | 7.64E-01 |
| 231309\_at | *GNA12* | 0.99 | 9.27E-01 | 9.85E-01 | 0.89 | 1.21E-01 | 4.47E-01 | 0.93 | 5.14E-01 | 8.31E-01 | 0.99 | 8.34E-01 | 9.37E-01 |
| 208429\_x\_at | *HNF4A* | 0.64 | 9.20E-03 | 2.50E-01 | 0.76 | 5.26E-02 | 3.14E-01 | 0.71 | 1.71E-02 | 2.20E-01 | 0.87 | 4.20E-01 | 7.13E-01 |
| 214832\_at | *HNF4A* | 0.71 | 1.18E-02 | 2.73E-01 | 0.90 | 3.41E-01 | 6.78E-01 | 0.81 | 6.84E-02 | 3.89E-01 | 0.97 | 8.35E-01 | 9.37E-01 |
| 214851\_at | *HNF4A* | 1.07 | 7.28E-01 | 9.35E-01 | 0.91 | 1.32E-01 | 4.64E-01 | 0.97 | 8.51E-01 | 9.63E-01 | 1.01 | 8.55E-01 | 9.45E-01 |
| 216889\_s\_at | *HNF4A* | 0.72 | 1.50E-02 | 2.96E-01 | 0.71 | 5.14E-03 | 1.23E-01 | 0.71 | 3.95E-03 | 1.15E-01 | 0.88 | 1.33E-01 | 4.41E-01 |
| 230914\_at | *HNF4A* | 0.64 | 2.82E-03 | 1.71E-01 | 0.76 | 2.10E-02 | 2.14E-01 | 0.71 | 3.62E-03 | 1.11E-01 | 0.95 | 6.28E-01 | 8.42E-01 |
| 243027\_at | *IGSF5* | 1.06 | 5.79E-01 | 8.89E-01 | 1.02 | 8.60E-01 | 9.53E-01 | 1.03 | 7.16E-01 | 9.20E-01 | 1.16 | 5.08E-02 | 3.04E-01 |
| 201656\_at | *ITGA6* | 1.33 | 2.05E-03 | 1.54E-01 | 1.46 | 6.03E-03 | 1.31E-01 | 1.40 | 2.51E-03 | 9.26E-02 | 1.58 | 8.78E-05 | 4.75E-02 |
| 215177\_s\_at | *ITGA6* | 1.08 | 6.33E-01 | 9.08E-01 | 1.10 | 5.74E-01 | 8.28E-01 | 1.09 | 5.82E-01 | 8.64E-01 | 1.16 | 4.64E-01 | 7.42E-01 |
| 204989\_s\_at | *ITGB4* | 0.96 | 7.29E-01 | 9.35E-01 | 1.05 | 7.90E-01 | 9.26E-01 | 1.01 | 9.45E-01 | 9.88E-01 | 1.23 | 2.06E-01 | 5.25E-01 |
| 204990\_s\_at | *ITGB4* | 1.03 | 7.35E-01 | 9.37E-01 | 1.10 | 5.09E-01 | 7.92E-01 | 1.07 | 5.76E-01 | 8.62E-01 | 1.52 | 3.81E-03 | 1.36E-01 |
| 211905\_s\_at | *ITGB4* | 0.90 | 5.49E-01 | 8.78E-01 | 0.95 | 7.68E-01 | 9.19E-01 | 0.93 | 6.66E-01 | 9.01E-01 | 1.26 | 2.79E-01 | 5.99E-01 |
| 214292\_at | *ITGB4* | 0.98 | 8.37E-01 | 9.65E-01 | 0.92 | 3.27E-01 | 6.68E-01 | 0.94 | 5.16E-01 | 8.33E-01 | 0.89 | 1.39E-01 | 4.48E-01 |
| 230704\_s\_at | *ITGB4* | 0.84 | 2.31E-01 | 6.96E-01 | 0.83 | 3.54E-02 | 2.68E-01 | 0.83 | 9.05E-02 | 4.40E-01 | 1.09 | 4.38E-01 | 7.24E-01 |
| 219213\_at | *JAM2* | 2.12 | 3.18E-04 | 1.04E-01 | 1.44 | 9.54E-03 | 1.58E-01 | 1.70 | 1.48E-03 | 7.44E-02 | 1.12 | 3.25E-01 | 6.39E-01 |
| 212813\_at | *JAM3* | 1.19 | 1.35E-01 | 5.96E-01 | 0.95 | 6.26E-01 | 8.55E-01 | 1.05 | 6.73E-01 | 9.03E-01 | 0.77 | 1.38E-01 | 4.47E-01 |
| 231720\_s\_at | *JAM3* | 0.84 | 8.00E-02 | 5.08E-01 | 0.89 | 2.56E-01 | 6.07E-01 | 0.87 | 1.39E-01 | 5.21E-01 | 0.98 | 8.52E-01 | 9.44E-01 |
| 231721\_at | *JAM3* | 1.21 | 1.07E-01 | 5.54E-01 | 1.03 | 6.31E-01 | 8.57E-01 | 1.10 | 2.75E-01 | 6.72E-01 | 0.92 | 2.93E-01 | 6.11E-01 |
| 201015\_s\_at | *JUP* | 0.71 | 9.62E-03 | 2.55E-01 | 0.78 | 5.21E-02 | 3.13E-01 | 0.75 | 1.66E-02 | 2.18E-01 | 1.14 | 1.94E-01 | 5.14E-01 |
| 222346\_at | *LAMA1* | 0.97 | 8.26E-01 | 9.62E-01 | 0.76 | 7.98E-05 | 2.71E-02 | 0.84 | 1.06E-01 | 4.67E-01 | 1.10 | 3.80E-01 | 6.83E-01 |
| 227048\_at | *LAMA1* | 0.23 | 2.05E-07 | 5.61E-03 | 0.30 | 4.67E-03 | 1.19E-01 | 0.27 | 1.78E-04 | 2.90E-02 | 0.67 | 1.71E-01 | 4.89E-01 |
| 1560078\_at | *LAMA3* | 0.85 | 1.52E-01 | 6.17E-01 | 0.85 | 5.23E-02 | 3.14E-01 | 0.85 | 4.81E-02 | 3.40E-01 | 1.01 | 8.64E-01 | 9.50E-01 |
| 1563772\_a\_at | *LAMA3* | 0.95 | 6.18E-01 | 9.04E-01 | 0.89 | 1.89E-01 | 5.37E-01 | 0.91 | 3.22E-01 | 7.11E-01 | 0.92 | 3.89E-01 | 6.89E-01 |
| 1568879\_a\_at | *LAMA3* | 1.00 | 9.92E-01 | 9.98E-01 | 0.95 | 4.05E-01 | 7.25E-01 | 0.97 | 6.84E-01 | 9.08E-01 | 0.99 | 9.19E-01 | 9.72E-01 |
| 203726\_s\_at | *LAMA3* | 0.65 | 8.74E-02 | 5.21E-01 | 0.69 | 9.92E-02 | 4.10E-01 | 0.67 | 8.56E-02 | 4.30E-01 | 1.27 | 1.25E-01 | 4.29E-01 |
| 202202\_s\_at | *LAMA4* | 1.58 | 1.56E-01 | 6.21E-01 | 1.00 | 9.78E-01 | 9.93E-01 | 1.21 | 4.30E-01 | 7.85E-01 | 1.01 | 9.06E-01 | 9.67E-01 |
| 210089\_s\_at | *LAMA4* | 0.98 | 8.73E-01 | 9.71E-01 | 0.90 | 3.27E-01 | 6.67E-01 | 0.93 | 4.82E-01 | 8.16E-01 | 0.85 | 1.49E-01 | 4.61E-01 |
| 210989\_at | *LAMA4* | 1.10 | 8.61E-02 | 5.19E-01 | 1.06 | 3.15E-01 | 6.59E-01 | 1.08 | 1.44E-01 | 5.27E-01 | 1.01 | 8.98E-01 | 9.63E-01 |
| 210990\_s\_at | *LAMA4* | 1.00 | 9.97E-01 | 9.99E-01 | 0.92 | 3.03E-01 | 6.49E-01 | 0.95 | 5.54E-01 | 8.52E-01 | 1.13 | 1.84E-01 | 5.04E-01 |
| 210150\_s\_at | *LAMA5* | 0.97 | 8.02E-01 | 9.56E-01 | 0.93 | 4.88E-01 | 7.79E-01 | 0.95 | 5.84E-01 | 8.66E-01 | 1.04 | 6.75E-01 | 8.65E-01 |
| 201505\_at | *LAMB1* | 1.34 | 2.30E-01 | 6.95E-01 | 1.25 | 1.95E-01 | 5.43E-01 | 1.29 | 1.74E-01 | 5.66E-01 | 1.35 | 4.77E-02 | 2.97E-01 |
| 211651\_s\_at | *LAMB1* | 1.25 | 3.40E-01 | 7.76E-01 | 1.17 | 2.26E-01 | 5.77E-01 | 1.20 | 2.69E-01 | 6.66E-01 | 1.05 | 6.95E-01 | 8.74E-01 |
| 216264\_s\_at | *LAMB2* | 1.12 | 2.59E-01 | 7.20E-01 | 0.92 | 3.58E-01 | 6.91E-01 | 1.00 | 9.65E-01 | 9.92E-01 | 1.22 | 2.44E-02 | 2.35E-01 |
| 200770\_s\_at | *LAMC1* | 1.24 | 2.38E-01 | 7.02E-01 | 1.16 | 3.24E-01 | 6.66E-01 | 1.19 | 2.13E-01 | 6.12E-01 | 1.12 | 4.48E-01 | 7.31E-01 |
| 200771\_at | *LAMC1* | 1.57 | 1.99E-01 | 6.65E-01 | 1.11 | 6.61E-01 | 8.72E-01 | 1.28 | 3.37E-01 | 7.23E-01 | 0.98 | 8.80E-01 | 9.56E-01 |
| 202267\_at | *LAMC2* | 0.90 | 4.42E-01 | 8.32E-01 | 1.02 | 9.01E-01 | 9.68E-01 | 0.97 | 8.56E-01 | 9.64E-01 | 1.30 | 2.37E-01 | 5.58E-01 |
| 207517\_at | *LAMC2* | 1.13 | 3.23E-01 | 7.66E-01 | 1.23 | 2.63E-01 | 6.15E-01 | 1.19 | 2.76E-01 | 6.72E-01 | 1.11 | 4.83E-01 | 7.54E-01 |
| 1555262\_a\_at | *MAGI1* | 0.83 | 7.97E-02 | 5.08E-01 | 0.81 | 1.00E-02 | 1.61E-01 | 0.82 | 1.03E-02 | 1.78E-01 | 1.08 | 2.82E-01 | 6.00E-01 |
| 1559256\_at | *MAGI1* | 0.89 | 3.98E-02 | 4.00E-01 | 0.98 | 6.92E-01 | 8.87E-01 | 0.94 | 2.09E-01 | 6.06E-01 | 1.13 | 2.54E-01 | 5.75E-01 |
| 1559257\_a\_at | *MAGI1* | 0.98 | 8.58E-01 | 9.69E-01 | 1.10 | 2.26E-01 | 5.77E-01 | 1.05 | 5.72E-01 | 8.60E-01 | 1.03 | 7.27E-01 | 8.89E-01 |
| 206144\_at | *MAGI1* | 1.02 | 8.58E-01 | 9.69E-01 | 0.96 | 7.10E-01 | 8.95E-01 | 0.98 | 8.61E-01 | 9.66E-01 | 1.16 | 2.00E-01 | 5.20E-01 |
| 225465\_at | *MAGI1* | 1.11 | 3.29E-01 | 7.69E-01 | 1.15 | 1.10E-01 | 4.27E-01 | 1.13 | 1.66E-01 | 5.57E-01 | 1.21 | 1.19E-01 | 4.21E-01 |
| 232859\_s\_at | *MAGI1* | 0.72 | 8.60E-03 | 2.44E-01 | 0.75 | 1.17E-02 | 1.70E-01 | 0.74 | 3.15E-03 | 1.03E-01 | 0.95 | 6.34E-01 | 8.45E-01 |
| 207702\_s\_at | *MAGI2* | 0.91 | 3.19E-01 | 7.63E-01 | 0.88 | 4.88E-02 | 3.05E-01 | 0.89 | 1.05E-01 | 4.65E-01 | 1.10 | 3.86E-01 | 6.87E-01 |
| 209737\_at | *MAGI2* | 0.97 | 8.59E-01 | 9.69E-01 | 1.10 | 4.10E-01 | 7.28E-01 | 1.04 | 7.54E-01 | 9.32E-01 | 0.83 | 1.69E-01 | 4.87E-01 |
| 224307\_x\_at | *MAGI3* | 0.91 | 2.67E-01 | 7.26E-01 | 0.99 | 8.76E-01 | 9.60E-01 | 0.96 | 5.43E-01 | 8.47E-01 | 1.13 | 2.89E-01 | 6.07E-01 |
| 226770\_at | *MAGI3* | 0.76 | 1.68E-02 | 3.07E-01 | 0.82 | 4.87E-02 | 3.05E-01 | 0.79 | 1.79E-02 | 2.25E-01 | 1.01 | 9.38E-01 | 9.79E-01 |
| 235141\_at | *MARVELD2* | 0.86 | 8.28E-02 | 5.13E-01 | 0.95 | 4.64E-01 | 7.64E-01 | 0.91 | 1.85E-01 | 5.80E-01 | 1.03 | 7.83E-01 | 9.15E-01 |
| 235955\_at | *MARVELD2* | 1.05 | 6.72E-01 | 9.21E-01 | 1.22 | 3.51E-02 | 2.67E-01 | 1.15 | 1.68E-01 | 5.59E-01 | 1.40 | 1.86E-02 | 2.16E-01 |
| 233634\_at | *MARVELD3* | 0.84 | 2.58E-01 | 7.19E-01 | 0.81 | 1.83E-01 | 5.29E-01 | 0.82 | 1.57E-01 | 5.45E-01 | 0.99 | 9.50E-01 | 9.83E-01 |
| 239148\_at | *MARVELD3* | 0.53 | 7.81E-04 | 1.20E-01 | 0.53 | 6.44E-05 | 2.67E-02 | 0.53 | 3.28E-05 | 1.61E-02 | 0.79 | 1.46E-02 | 2.02E-01 |
| 239350\_at | *MARVELD3* | 0.80 | 2.00E-01 | 6.66E-01 | 0.84 | 3.84E-01 | 7.11E-01 | 0.82 | 2.25E-01 | 6.25E-01 | 1.08 | 6.54E-01 | 8.55E-01 |
| 209086\_x\_at | *MCAM* | 1.20 | 2.60E-01 | 7.21E-01 | 1.05 | 5.81E-01 | 8.31E-01 | 1.11 | 3.98E-01 | 7.64E-01 | 1.20 | 3.26E-03 | 1.29E-01 |
| 209087\_x\_at | *MCAM* | 1.24 | 1.55E-01 | 6.21E-01 | 0.91 | 5.86E-01 | 8.34E-01 | 1.04 | 8.06E-01 | 9.49E-01 | 0.87 | 3.50E-01 | 6.61E-01 |
| 210869\_s\_at | *MCAM* | 1.73 | 8.64E-03 | 2.45E-01 | 1.41 | 9.08E-02 | 3.95E-01 | 1.53 | 2.45E-02 | 2.56E-01 | 1.22 | 1.66E-01 | 4.82E-01 |
| 211042\_x\_at | *MCAM* | 1.04 | 7.55E-01 | 9.43E-01 | 1.03 | 8.13E-01 | 9.36E-01 | 1.03 | 7.79E-01 | 9.40E-01 | 0.95 | 5.40E-01 | 7.89E-01 |
| 211340\_s\_at | *MCAM* | 1.65 | 7.18E-02 | 4.90E-01 | 1.13 | 5.46E-01 | 8.13E-01 | 1.33 | 2.07E-01 | 6.05E-01 | 1.04 | 7.07E-01 | 8.80E-01 |
| 206000\_at | *MEP1A* | 0.56 | 7.77E-05 | 8.23E-02 | 0.46 | 2.73E-05 | 1.88E-02 | 0.50 | 1.22E-05 | 1.03E-02 | 0.88 | 2.02E-01 | 5.22E-01 |
| 214939\_x\_at | *MLLT4* | 0.82 | 1.32E-01 | 5.93E-01 | 0.79 | 2.71E-02 | 2.40E-01 | 0.80 | 3.62E-02 | 3.02E-01 | 0.84 | 1.71E-01 | 4.90E-01 |
| 215904\_at | *MLLT4* | 1.02 | 8.05E-01 | 9.56E-01 | 0.91 | 2.25E-01 | 5.76E-01 | 0.96 | 5.40E-01 | 8.46E-01 | 1.06 | 4.65E-01 | 7.42E-01 |
| 224685\_at | *MLLT4* | 0.94 | 6.46E-01 | 9.12E-01 | 1.02 | 8.06E-01 | 9.33E-01 | 0.99 | 8.91E-01 | 9.74E-01 | 1.07 | 4.20E-01 | 7.12E-01 |
| 229775\_s\_at | *MLLT4* | 1.55 | 2.93E-02 | 3.63E-01 | 1.59 | 2.15E-02 | 2.17E-01 | 1.57 | 9.12E-03 | 1.69E-01 | 1.20 | 5.66E-01 | 8.06E-01 |
| 230622\_at | *MLLT4* | 0.99 | 9.14E-01 | 9.81E-01 | 0.90 | 1.61E-01 | 5.03E-01 | 0.94 | 3.55E-01 | 7.34E-01 | 0.92 | 1.84E-01 | 5.04E-01 |
| 238871\_at | *MLLT4* | 0.97 | 5.96E-01 | 8.96E-01 | 0.97 | 5.48E-01 | 8.14E-01 | 0.97 | 5.16E-01 | 8.33E-01 | 1.06 | 3.31E-01 | 6.44E-01 |
| 205079\_s\_at | *MPDZ* | 1.20 | 2.45E-02 | 3.44E-01 | 1.11 | 1.93E-01 | 5.41E-01 | 1.14 | 5.43E-02 | 3.57E-01 | 0.91 | 3.15E-01 | 6.31E-01 |
| 213306\_at | *MPDZ* | 1.30 | 1.84E-02 | 3.15E-01 | 1.08 | 2.37E-01 | 5.88E-01 | 1.17 | 7.23E-02 | 3.99E-01 | 1.04 | 6.46E-01 | 8.51E-01 |
| 219321\_at | *MPP5* | 0.43 | 1.68E-03 | 1.45E-01 | 0.53 | 1.99E-03 | 8.73E-02 | 0.49 | 5.46E-04 | 4.66E-02 | 0.79 | 4.21E-02 | 2.84E-01 |
| 226092\_at | *MPP5* | 0.53 | 4.04E-04 | 1.10E-01 | 0.61 | 3.57E-04 | 4.60E-02 | 0.58 | 6.87E-05 | 2.12E-02 | 0.91 | 2.76E-01 | 5.95E-01 |
| 207847\_s\_at | *MUC1* | 2.04 | 4.81E-03 | 1.94E-01 | 2.33 | 3.45E-04 | 4.50E-02 | 2.20 | 9.54E-05 | 2.30E-02 | 6.09 | 1.72E-05 | 2.75E-02 |
| 211695\_x\_at | *MUC1* | 1.78 | 6.11E-03 | 2.12E-01 | 1.99 | 4.46E-04 | 5.12E-02 | 1.90 | 1.64E-04 | 2.81E-02 | 1.84 | 2.51E-03 | 1.20E-01 |
| 213693\_s\_at | *MUC1* | 1.93 | 1.39E-03 | 1.36E-01 | 2.20 | 6.97E-05 | 2.70E-02 | 2.08 | 2.24E-05 | 1.35E-02 | 5.83 | 1.47E-06 | 6.75E-03 |
| 1557906\_at | *MUC12* | 1.12 | 5.19E-01 | 8.66E-01 | 1.04 | 5.15E-01 | 7.96E-01 | 1.07 | 5.62E-01 | 8.55E-01 | 1.09 | 1.72E-01 | 4.90E-01 |
| 1557907\_x\_at | *MUC12* | 0.98 | 8.62E-01 | 9.69E-01 | 0.94 | 4.35E-01 | 7.45E-01 | 0.96 | 5.76E-01 | 8.62E-01 | 1.02 | 7.54E-01 | 9.02E-01 |
| 226654\_at | *MUC12* | 1.93 | 9.70E-02 | 5.37E-01 | 1.68 | 1.32E-01 | 4.64E-01 | 1.78 | 6.17E-02 | 3.74E-01 | 2.01 | 1.29E-01 | 4.35E-01 |
| 231814\_at | *MUC12* | 0.68 | 3.93E-01 | 8.08E-01 | 0.73 | 4.64E-01 | 7.65E-01 | 0.71 | 3.69E-01 | 7.46E-01 | 1.60 | 9.40E-03 | 1.80E-01 |
| 218687\_s\_at | *MUC13* | 0.98 | 8.84E-01 | 9.74E-01 | 1.03 | 8.04E-01 | 9.32E-01 | 1.01 | 9.31E-01 | 9.84E-01 | 1.07 | 7.42E-01 | 8.97E-01 |
| 222712\_s\_at | *MUC13* | 0.83 | 3.90E-01 | 8.07E-01 | 0.86 | 3.32E-01 | 6.71E-01 | 0.84 | 3.48E-01 | 7.30E-01 | 0.82 | 4.04E-01 | 7.01E-01 |
| 227238\_at | *MUC15* | 0.98 | 7.58E-01 | 9.44E-01 | 0.97 | 6.87E-01 | 8.85E-01 | 0.98 | 6.76E-01 | 9.05E-01 | 0.94 | 2.70E-01 | 5.90E-01 |
| 227241\_at | *MUC15* | 1.06 | 5.17E-01 | 8.65E-01 | 1.04 | 5.32E-01 | 8.05E-01 | 1.05 | 4.93E-01 | 8.21E-01 | 1.03 | 6.68E-01 | 8.61E-01 |
| 220196\_at | *MUC16* | 0.92 | 2.41E-01 | 7.05E-01 | 1.01 | 8.26E-01 | 9.41E-01 | 0.98 | 7.00E-01 | 9.13E-01 | 1.16 | 1.69E-01 | 4.87E-01 |
| 232321\_at | *MUC17* | 2.15 | 3.91E-02 | 3.98E-01 | 1.32 | 2.28E-01 | 5.79E-01 | 1.62 | 9.71E-02 | 4.52E-01 | 1.05 | 7.42E-01 | 8.97E-01 |
| 232407\_at | *MUC17* | 0.87 | 1.35E-01 | 5.97E-01 | 0.99 | 9.12E-01 | 9.71E-01 | 0.94 | 4.93E-01 | 8.21E-01 | 0.99 | 9.51E-01 | 9.83E-01 |
| 1553436\_at | *MUC19* | 0.97 | 7.59E-01 | 9.44E-01 | 0.90 | 1.34E-01 | 4.67E-01 | 0.93 | 3.59E-01 | 7.38E-01 | 1.17 | 3.86E-02 | 2.75E-01 |
| 204673\_at | *MUC2* | 1.81 | 8.68E-03 | 2.45E-01 | 1.46 | 1.34E-01 | 4.67E-01 | 1.60 | 4.07E-02 | 3.17E-01 | 1.49 | 7.81E-02 | 3.56E-01 |
| 226622\_at | *MUC20* | 1.08 | 7.23E-01 | 9.34E-01 | 1.06 | 8.37E-01 | 9.45E-01 | 1.07 | 7.71E-01 | 9.38E-01 | 2.62 | 5.22E-04 | 7.73E-02 |
| 230043\_at | *MUC20* | 0.68 | 6.45E-02 | 4.73E-01 | 0.68 | 1.57E-01 | 4.98E-01 | 0.68 | 7.43E-02 | 4.04E-01 | 1.13 | 4.25E-01 | 7.15E-01 |
| 231941\_s\_at | *MUC20* | 0.95 | 8.24E-01 | 9.62E-01 | 0.95 | 8.87E-01 | 9.64E-01 | 0.95 | 8.46E-01 | 9.62E-01 | 2.11 | 1.40E-02 | 2.00E-01 |
| 243774\_at | *MUC20* | 0.86 | 2.06E-01 | 6.71E-01 | 0.80 | 1.01E-01 | 4.13E-01 | 0.82 | 1.26E-01 | 4.99E-01 | 1.12 | 2.18E-01 | 5.38E-01 |
| 217117\_x\_at | *MUC3A* | 0.91 | 3.24E-01 | 7.66E-01 | 0.99 | 9.37E-01 | 9.80E-01 | 0.96 | 6.57E-01 | 8.97E-01 | 1.34 | 1.51E-02 | 2.04E-01 |
| 214676\_x\_at | *MUC3B* | 1.08 | 4.18E-01 | 8.20E-01 | 1.10 | 1.54E-01 | 4.93E-01 | 1.09 | 2.39E-01 | 6.39E-01 | 1.17 | 2.53E-01 | 5.74E-01 |
| 214898\_x\_at | *MUC3B* | 1.01 | 9.45E-01 | 9.88E-01 | 1.03 | 7.87E-01 | 9.26E-01 | 1.02 | 8.36E-01 | 9.59E-01 | 1.14 | 2.34E-01 | 5.55E-01 |
| 1561785\_at | *MUC4* | 2.06 | 4.62E-03 | 1.94E-01 | 1.81 | 3.23E-03 | 1.05E-01 | 1.91 | 2.27E-03 | 8.93E-02 | 1.34 | 3.55E-02 | 2.66E-01 |
| 204895\_x\_at | *MUC4* | 2.44 | 9.67E-04 | 1.26E-01 | 2.39 | 5.60E-05 | 2.49E-02 | 2.41 | 1.92E-05 | 1.28E-02 | 2.27 | 5.03E-02 | 3.03E-01 |
| 217109\_at | *MUC4* | 2.36 | 4.42E-04 | 1.11E-01 | 2.44 | 3.01E-05 | 1.97E-02 | 2.40 | 4.90E-06 | 7.21E-03 | 5.06 | 5.39E-03 | 1.52E-01 |
| 217110\_s\_at | *MUC4* | 2.60 | 5.48E-04 | 1.16E-01 | 2.72 | 7.53E-05 | 2.70E-02 | 2.67 | 1.96E-05 | 1.29E-02 | 3.20 | 1.91E-02 | 2.17E-01 |
| 235055\_x\_at | *MUC4* | 0.83 | 1.50E-01 | 6.15E-01 | 0.84 | 8.35E-02 | 3.81E-01 | 0.83 | 8.72E-02 | 4.33E-01 | 1.02 | 8.46E-01 | 9.42E-01 |
| 214303\_x\_at | *MUC5AC* | 1.61 | 7.36E-02 | 4.94E-01 | 1.38 | 9.01E-02 | 3.94E-01 | 1.47 | 7.91E-02 | 4.16E-01 | 1.51 | 7.54E-02 | 3.52E-01 |
| 214385\_s\_at | *MUC5AC* | 1.83 | 1.26E-01 | 5.84E-01 | 1.28 | 3.18E-01 | 6.62E-01 | 1.49 | 2.15E-01 | 6.13E-01 | 1.42 | 2.35E-01 | 5.56E-01 |
| 217182\_at | *MUC5AC* | 0.77 | 1.06E-01 | 5.53E-01 | 0.71 | 2.35E-02 | 2.26E-01 | 0.73 | 3.46E-02 | 2.96E-01 | 1.03 | 8.21E-01 | 9.31E-01 |
| 217187\_at | *MUC5AC* | 1.13 | 5.90E-01 | 8.94E-01 | 1.11 | 3.72E-01 | 7.02E-01 | 1.12 | 5.03E-01 | 8.26E-01 | 1.27 | 7.26E-02 | 3.47E-01 |
| 213432\_at | *MUC5B* | 1.94 | 3.41E-03 | 1.82E-01 | 1.85 | 3.87E-03 | 1.12E-01 | 1.89 | 8.83E-04 | 5.88E-02 | 2.22 | 8.90E-03 | 1.79E-01 |
| 222268\_x\_at | *MUC5B* | 0.90 | 5.58E-01 | 8.81E-01 | 0.99 | 9.64E-01 | 9.88E-01 | 0.95 | 7.60E-01 | 9.35E-01 | 1.03 | 8.05E-01 | 9.25E-01 |
| 1565666\_s\_at | *MUC6* | 0.99 | 9.40E-01 | 9.87E-01 | 0.99 | 8.92E-01 | 9.65E-01 | 0.99 | 9.14E-01 | 9.80E-01 | 1.20 | 1.11E-01 | 4.08E-01 |
| 214133\_at | *MUC6* | 0.88 | 2.07E-01 | 6.73E-01 | 0.86 | 1.24E-01 | 4.50E-01 | 0.87 | 1.12E-01 | 4.76E-01 | 1.64 | 9.24E-03 | 1.80E-01 |
| 216359\_at | *MUC7* | 1.06 | 5.98E-01 | 8.97E-01 | 1.05 | 4.76E-01 | 7.72E-01 | 1.05 | 5.26E-01 | 8.38E-01 | 0.99 | 8.77E-01 | 9.55E-01 |
| 217059\_at | *MUC7* | 0.92 | 1.81E-01 | 6.48E-01 | 1.00 | 9.21E-01 | 9.74E-01 | 0.97 | 4.94E-01 | 8.22E-01 | 1.00 | 9.84E-01 | 9.95E-01 |
| 216671\_x\_at | *MUC8* | 0.71 | 3.09E-03 | 1.75E-01 | 0.79 | 8.08E-03 | 1.47E-01 | 0.75 | 1.74E-03 | 7.94E-02 | 1.04 | 7.03E-01 | 8.78E-01 |
| 217295\_at | *MUC8* | 0.91 | 4.15E-01 | 8.19E-01 | 0.93 | 3.20E-01 | 6.63E-01 | 0.93 | 3.51E-01 | 7.32E-01 | 0.98 | 8.25E-01 | 9.33E-01 |
| 209888\_s\_at | *MYL1* | 0.91 | 1.85E-01 | 6.50E-01 | 0.98 | 6.91E-01 | 8.87E-01 | 0.95 | 3.49E-01 | 7.31E-01 | 1.08 | 3.89E-01 | 6.89E-01 |
| 209742\_s\_at | *MYL2* | 0.98 | 7.82E-01 | 9.49E-01 | 0.92 | 3.17E-01 | 6.61E-01 | 0.95 | 4.37E-01 | 7.89E-01 | 1.07 | 4.65E-01 | 7.42E-01 |
| 205589\_at | *MYL3* | 0.82 | 7.40E-02 | 4.95E-01 | 0.84 | 3.13E-02 | 2.54E-01 | 0.83 | 3.45E-02 | 2.96E-01 | 1.09 | 3.52E-01 | 6.62E-01 |
| 210088\_x\_at | *MYL4* | 0.90 | 1.40E-01 | 6.03E-01 | 0.87 | 7.92E-02 | 3.73E-01 | 0.88 | 6.67E-02 | 3.85E-01 | 1.23 | 5.95E-03 | 1.58E-01 |
| 210395\_x\_at | *MYL4* | 0.92 | 4.10E-01 | 8.17E-01 | 0.89 | 1.24E-01 | 4.51E-01 | 0.91 | 1.83E-01 | 5.77E-01 | 1.31 | 2.13E-03 | 1.15E-01 |
| 216054\_x\_at | *MYL4* | 0.87 | 7.81E-02 | 5.04E-01 | 0.86 | 2.23E-02 | 2.20E-01 | 0.86 | 2.30E-02 | 2.49E-01 | 1.36 | 5.82E-03 | 1.57E-01 |
| 217274\_x\_at | *MYL4* | 0.90 | 2.10E-01 | 6.75E-01 | 0.99 | 8.79E-01 | 9.61E-01 | 0.95 | 4.62E-01 | 8.03E-01 | 1.21 | 1.53E-02 | 2.05E-01 |
| 205145\_s\_at | *MYL5* | 0.82 | 7.41E-02 | 4.95E-01 | 0.82 | 2.12E-02 | 2.16E-01 | 0.82 | 1.98E-02 | 2.34E-01 | 0.78 | 4.10E-02 | 2.81E-01 |
| 212082\_s\_at | *MYL6* | 0.89 | 9.14E-02 | 5.26E-01 | 0.87 | 1.87E-02 | 2.05E-01 | 0.88 | 1.59E-02 | 2.14E-01 | 1.11 | 1.13E-01 | 4.11E-01 |
| 204173\_at | *MYL6B* | 0.90 | 2.52E-01 | 7.15E-01 | 0.90 | 3.03E-01 | 6.50E-01 | 0.90 | 2.64E-01 | 6.61E-01 | 0.89 | 1.48E-01 | 4.60E-01 |
| 219942\_at | *MYL7* | 0.86 | 8.24E-02 | 5.13E-01 | 0.80 | 6.14E-03 | 1.32E-01 | 0.82 | 1.30E-02 | 1.95E-01 | 0.98 | 7.97E-01 | 9.22E-01 |
| 201058\_s\_at | *MYL9* | 1.60 | 1.86E-01 | 6.53E-01 | 0.66 | 1.38E-01 | 4.73E-01 | 0.96 | 8.93E-01 | 9.75E-01 | 0.50 | 3.08E-02 | 2.54E-01 |
| 1563466\_at | *MYLK* | 0.83 | 1.09E-02 | 2.66E-01 | 0.84 | 8.71E-03 | 1.52E-01 | 0.84 | 1.81E-03 | 8.02E-02 | 0.97 | 7.02E-01 | 8.77E-01 |
| 1568770\_at | *MYLK* | 1.10 | 3.92E-01 | 8.08E-01 | 1.17 | 1.01E-01 | 4.13E-01 | 1.14 | 1.85E-01 | 5.80E-01 | 1.28 | 1.44E-02 | 2.02E-01 |
| 1569956\_at | *MYLK* | 1.04 | 5.35E-01 | 8.72E-01 | 0.98 | 6.88E-01 | 8.85E-01 | 1.00 | 9.48E-01 | 9.88E-01 | 1.01 | 8.34E-01 | 9.37E-01 |
| 202555\_s\_at | *MYLK* | 0.95 | 8.02E-01 | 9.56E-01 | 0.61 | 2.85E-02 | 2.45E-01 | 0.73 | 1.53E-01 | 5.39E-01 | 0.80 | 1.91E-01 | 5.11E-01 |
| 224823\_at | *MYLK* | 0.83 | 5.62E-01 | 8.82E-01 | 0.59 | 1.99E-02 | 2.10E-01 | 0.68 | 1.32E-01 | 5.09E-01 | 0.70 | 4.92E-02 | 3.00E-01 |
| 208452\_x\_at | *MYO9B* | 0.94 | 5.96E-01 | 8.96E-01 | 0.90 | 1.64E-01 | 5.08E-01 | 0.92 | 3.30E-01 | 7.18E-01 | 0.86 | 1.06E-01 | 4.01E-01 |
| 214780\_s\_at | *MYO9B* | 0.89 | 1.07E-01 | 5.55E-01 | 0.87 | 4.71E-02 | 3.02E-01 | 0.88 | 2.88E-02 | 2.74E-01 | 1.05 | 5.06E-01 | 7.68E-01 |
| 217297\_s\_at | *MYO9B* | 0.97 | 6.79E-01 | 9.23E-01 | 1.02 | 7.53E-01 | 9.13E-01 | 1.00 | 9.91E-01 | 9.98E-01 | 0.93 | 3.63E-01 | 6.70E-01 |
| 209925\_at | *OCLN* | 0.53 | 6.13E-03 | 2.13E-01 | 0.67 | 1.45E-02 | 1.86E-01 | 0.60 | 7.89E-03 | 1.59E-01 | 0.75 | 5.04E-02 | 3.03E-01 |
| 205432\_at | *OVGP1* | 1.03 | 7.14E-01 | 9.31E-01 | 1.12 | 2.69E-01 | 6.19E-01 | 1.08 | 3.96E-01 | 7.63E-01 | 1.14 | 1.70E-01 | 4.87E-01 |
| 210094\_s\_at | *PARD3* | 1.11 | 2.61E-01 | 7.22E-01 | 1.13 | 1.75E-01 | 5.21E-01 | 1.12 | 1.68E-01 | 5.59E-01 | 1.14 | 3.41E-01 | 6.52E-01 |
| 221280\_s\_at | *PARD3* | 1.02 | 8.24E-01 | 9.62E-01 | 0.85 | 4.58E-02 | 2.99E-01 | 0.92 | 3.83E-01 | 7.55E-01 | 0.89 | 1.92E-01 | 5.12E-01 |
| 221526\_x\_at | *PARD3* | 1.10 | 1.52E-01 | 6.18E-01 | 1.10 | 1.09E-01 | 4.27E-01 | 1.10 | 8.65E-02 | 4.32E-01 | 1.10 | 4.39E-01 | 7.25E-01 |
| 221527\_s\_at | *PARD3* | 0.89 | 3.08E-01 | 7.54E-01 | 0.88 | 3.84E-01 | 7.11E-01 | 0.88 | 3.26E-01 | 7.15E-01 | 1.02 | 8.20E-01 | 9.31E-01 |
| 205724\_at | *PKP1* | 1.01 | 9.56E-01 | 9.91E-01 | 0.95 | 5.94E-01 | 8.38E-01 | 0.98 | 8.29E-01 | 9.56E-01 | 1.23 | 5.36E-02 | 3.10E-01 |
| 221854\_at | *PKP1* | 0.82 | 5.65E-02 | 4.51E-01 | 0.92 | 3.41E-01 | 6.78E-01 | 0.88 | 1.26E-01 | 5.00E-01 | 1.17 | 1.59E-01 | 4.73E-01 |
| 207717\_s\_at | *PKP2* | 0.90 | 3.55E-01 | 7.86E-01 | 1.00 | 9.78E-01 | 9.93E-01 | 0.96 | 6.85E-01 | 9.08E-01 | 1.27 | 2.11E-01 | 5.31E-01 |
| 214154\_s\_at | *PKP2* | 0.74 | 2.26E-01 | 6.91E-01 | 0.65 | 1.07E-01 | 4.24E-01 | 0.69 | 1.18E-01 | 4.86E-01 | 1.03 | 8.60E-01 | 9.48E-01 |
| 209872\_s\_at | *PKP3* | 0.71 | 7.40E-02 | 4.95E-01 | 0.70 | 5.59E-02 | 3.22E-01 | 0.70 | 4.35E-02 | 3.25E-01 | 0.91 | 5.79E-01 | 8.14E-01 |
| 209873\_s\_at | *PKP3* | 0.75 | 3.04E-02 | 3.66E-01 | 0.82 | 1.05E-01 | 4.19E-01 | 0.79 | 3.91E-02 | 3.12E-01 | 1.10 | 3.47E-01 | 6.58E-01 |
| 201927\_s\_at | *PKP4* | 1.20 | 2.49E-01 | 7.12E-01 | 1.42 | 1.76E-02 | 1.99E-01 | 1.32 | 5.08E-02 | 3.47E-01 | 1.21 | 1.46E-01 | 4.57E-01 |
| 201928\_at | *PKP4* | 1.15 | 4.67E-01 | 8.43E-01 | 1.22 | 5.58E-02 | 3.22E-01 | 1.19 | 1.99E-01 | 5.96E-01 | 0.98 | 8.02E-01 | 9.24E-01 |
| 201929\_s\_at | *PKP4* | 0.95 | 8.27E-01 | 9.63E-01 | 1.10 | 4.14E-01 | 7.31E-01 | 1.04 | 8.27E-01 | 9.56E-01 | 0.94 | 5.49E-01 | 7.95E-01 |
| 214874\_at | *PKP4* | 1.10 | 2.08E-01 | 6.73E-01 | 1.22 | 1.56E-02 | 1.90E-01 | 1.17 | 4.15E-02 | 3.19E-01 | 1.14 | 1.43E-01 | 4.54E-01 |
| 201373\_at | *PLEC1* | 0.89 | 3.91E-01 | 8.08E-01 | 0.92 | 5.11E-01 | 7.93E-01 | 0.90 | 4.00E-01 | 7.66E-01 | 1.01 | 9.39E-01 | 9.79E-01 |
| 216971\_s\_at | *PLEC1* | 0.87 | 4.35E-01 | 8.30E-01 | 0.82 | 2.91E-01 | 6.39E-01 | 0.84 | 3.15E-01 | 7.06E-01 | 1.04 | 8.46E-01 | 9.42E-01 |
| 228450\_at | *PLEKHA7* | 0.64 | 1.80E-03 | 1.49E-01 | 0.73 | 7.80E-02 | 3.71E-01 | 0.69 | 1.85E-02 | 2.27E-01 | 1.01 | 9.41E-01 | 9.80E-01 |
| 203407\_at | *PPL* | 1.08 | 5.24E-01 | 8.68E-01 | 0.83 | 1.94E-01 | 5.42E-01 | 0.93 | 5.74E-01 | 8.61E-01 | 0.75 | 1.01E-01 | 3.93E-01 |
| 204896\_s\_at | *PTGER4* | 1.28 | 1.79E-01 | 6.46E-01 | 1.07 | 6.76E-01 | 8.79E-01 | 1.15 | 3.75E-01 | 7.49E-01 | 0.96 | 6.64E-01 | 8.59E-01 |
| 204897\_at | *PTGER4* | 1.47 | 2.46E-02 | 3.44E-01 | 1.21 | 1.48E-01 | 4.86E-01 | 1.31 | 4.14E-02 | 3.19E-01 | 1.10 | 6.51E-01 | 8.53E-01 |
| 204935\_at | *PTPN2* | 1.04 | 5.71E-01 | 8.86E-01 | 1.08 | 2.04E-01 | 5.54E-01 | 1.06 | 2.99E-01 | 6.93E-01 | 1.08 | 2.66E-01 | 5.86E-01 |
| 213136\_at | *PTPN2* | 0.77 | 3.55E-02 | 3.87E-01 | 0.82 | 2.65E-02 | 2.38E-01 | 0.80 | 2.04E-02 | 2.37E-01 | 0.70 | 1.29E-03 | 1.01E-01 |
| 213137\_s\_at | *PTPN2* | 0.74 | 1.36E-01 | 5.98E-01 | 0.92 | 4.10E-01 | 7.28E-01 | 0.84 | 2.50E-01 | 6.49E-01 | 0.74 | 1.83E-03 | 1.11E-01 |
| 241622\_at | *PTPN2* | 1.00 | 9.68E-01 | 9.93E-01 | 0.98 | 6.49E-01 | 8.66E-01 | 0.98 | 7.43E-01 | 9.29E-01 | 1.07 | 2.32E-01 | 5.53E-01 |
| 241623\_at | *PTPN2* | 1.26 | 1.64E-01 | 6.29E-01 | 1.11 | 4.64E-02 | 3.00E-01 | 1.17 | 1.60E-01 | 5.48E-01 | 1.09 | 2.37E-01 | 5.58E-01 |
| 241983\_at | *PTPN2* | 1.13 | 1.68E-01 | 6.34E-01 | 1.04 | 5.30E-01 | 8.03E-01 | 1.08 | 2.75E-01 | 6.71E-01 | 1.04 | 5.60E-01 | 8.03E-01 |
| 223969\_s\_at | *RETNLB* | 3.22 | 1.11E-02 | 2.67E-01 | 2.19 | 4.05E-02 | 2.83E-01 | 2.58 | 6.76E-03 | 1.48E-01 | 1.49 | 4.12E-01 | 7.07E-01 |
| 223970\_at | *RETNLB* | 2.89 | 7.84E-03 | 2.36E-01 | 2.01 | 1.57E-02 | 1.91E-01 | 2.34 | 6.24E-03 | 1.43E-01 | 1.41 | 4.42E-01 | 7.27E-01 |
| 1555814\_a\_at | *RHOA* | 0.76 | 7.18E-02 | 4.90E-01 | 0.73 | 3.74E-02 | 2.74E-01 | 0.75 | 3.89E-02 | 3.11E-01 | 0.71 | 4.09E-02 | 2.81E-01 |
| 200059\_s\_at | *RHOA* | 0.96 | 6.52E-01 | 9.14E-01 | 0.95 | 5.47E-01 | 8.14E-01 | 0.96 | 5.57E-01 | 8.53E-01 | 0.95 | 4.47E-01 | 7.30E-01 |
| 240337\_at | *RHOA* | 1.00 | 9.93E-01 | 9.98E-01 | 1.07 | 2.14E-01 | 5.65E-01 | 1.04 | 4.25E-01 | 7.82E-01 | 1.05 | 3.92E-01 | 6.92E-01 |
| 213044\_at | *ROCK1* | 1.09 | 4.78E-01 | 8.48E-01 | 1.06 | 5.69E-01 | 8.26E-01 | 1.07 | 5.05E-01 | 8.27E-01 | 0.74 | 6.02E-03 | 1.59E-01 |
| 214578\_s\_at | *ROCK1* | 0.94 | 7.36E-01 | 9.37E-01 | 1.05 | 6.86E-01 | 8.84E-01 | 1.01 | 9.70E-01 | 9.93E-01 | 0.68 | 5.10E-03 | 1.49E-01 |
| 230239\_at | *ROCK1* | 0.86 | 7.32E-02 | 4.93E-01 | 0.88 | 1.75E-01 | 5.20E-01 | 0.87 | 9.15E-02 | 4.42E-01 | 1.11 | 2.14E-01 | 5.34E-01 |
| 235854\_x\_at | *ROCK1* | 1.01 | 9.36E-01 | 9.86E-01 | 0.94 | 5.05E-01 | 7.91E-01 | 0.97 | 7.73E-01 | 9.38E-01 | 1.04 | 6.30E-01 | 8.42E-01 |
| 202762\_at | *ROCK2* | 0.76 | 3.41E-02 | 3.84E-01 | 0.86 | 1.27E-01 | 4.56E-01 | 0.82 | 3.82E-02 | 3.10E-01 | 0.81 | 5.68E-02 | 3.16E-01 |
| 211504\_x\_at | *ROCK2* | 0.92 | 3.71E-01 | 7.96E-01 | 0.97 | 7.04E-01 | 8.93E-01 | 0.95 | 5.09E-01 | 8.29E-01 | 1.01 | 9.22E-01 | 9.73E-01 |
| 1554595\_at | *SYMPK* | 1.19 | 7.82E-02 | 5.04E-01 | 1.12 | 3.36E-01 | 6.75E-01 | 1.15 | 1.89E-01 | 5.86E-01 | 1.15 | 2.27E-01 | 5.47E-01 |
| 202339\_at | *SYMPK* | 0.85 | 1.53E-01 | 6.18E-01 | 0.87 | 8.61E-02 | 3.87E-01 | 0.86 | 8.42E-02 | 4.27E-01 | 0.87 | 8.58E-02 | 3.70E-01 |
| 32402\_s\_at | *SYMPK* | 1.04 | 6.54E-01 | 9.15E-01 | 1.00 | 9.92E-01 | 9.98E-01 | 1.02 | 8.68E-01 | 9.68E-01 | 0.91 | 3.71E-01 | 6.76E-01 |
| 203753\_at | *TCF4* | 1.75 | 1.65E-01 | 6.30E-01 | 1.44 | 2.01E-01 | 5.50E-01 | 1.56 | 1.61E-01 | 5.50E-01 | 0.54 | 1.42E-01 | 4.52E-01 |
| 212382\_at | *TCF4* | 1.35 | 2.57E-01 | 7.19E-01 | 1.27 | 2.05E-01 | 5.55E-01 | 1.31 | 2.27E-01 | 6.27E-01 | 0.78 | 3.80E-01 | 6.82E-01 |
| 212385\_at | *TCF4* | 1.59 | 3.92E-02 | 3.99E-01 | 1.33 | 1.11E-01 | 4.29E-01 | 1.43 | 6.04E-02 | 3.71E-01 | 0.52 | 4.86E-02 | 2.99E-01 |
| 212386\_at | *TCF4* | 1.86 | 9.29E-02 | 5.29E-01 | 1.65 | 4.54E-02 | 2.98E-01 | 1.74 | 4.82E-02 | 3.40E-01 | 0.59 | 1.55E-01 | 4.68E-01 |
| 212387\_at | *TCF4* | 1.54 | 1.30E-01 | 5.91E-01 | 1.23 | 3.05E-01 | 6.52E-01 | 1.35 | 1.89E-01 | 5.85E-01 | 0.48 | 3.50E-02 | 2.65E-01 |
| 213891\_s\_at | *TCF4* | 1.87 | 9.68E-02 | 5.36E-01 | 1.62 | 3.30E-02 | 2.60E-01 | 1.72 | 4.75E-02 | 3.38E-01 | 0.52 | 7.03E-02 | 3.42E-01 |
| 222146\_s\_at | *TCF4* | 1.53 | 2.43E-01 | 7.07E-01 | 1.42 | 1.42E-01 | 4.80E-01 | 1.46 | 1.77E-01 | 5.68E-01 | 0.44 | 2.29E-02 | 2.31E-01 |
| 228837\_at | *TCF4* | 1.16 | 1.27E-01 | 5.86E-01 | 1.03 | 6.45E-01 | 8.64E-01 | 1.08 | 3.09E-01 | 7.01E-01 | 0.76 | 7.56E-02 | 3.52E-01 |
| 205009\_at | *TFF1* | 1.69 | 6.59E-02 | 4.76E-01 | 1.54 | 2.16E-01 | 5.67E-01 | 1.60 | 1.05E-01 | 4.65E-01 | 2.03 | 2.49E-02 | 2.37E-01 |
| 214476\_at | *TFF2* | 1.17 | 2.20E-01 | 6.87E-01 | 1.41 | 1.29E-01 | 4.59E-01 | 1.30 | 1.50E-01 | 5.36E-01 | 2.29 | 5.57E-02 | 3.14E-01 |
| 204623\_at | *TFF3* | 1.52 | 2.38E-02 | 3.42E-01 | 1.24 | 2.40E-01 | 5.91E-01 | 1.35 | 5.70E-02 | 3.64E-01 | 1.48 | 1.18E-02 | 1.92E-01 |
| 202011\_at | *TJP1* | 0.67 | 6.87E-03 | 2.24E-01 | 0.73 | 1.95E-03 | 8.69E-02 | 0.71 | 2.05E-03 | 8.50E-02 | 0.89 | 3.24E-01 | 6.38E-01 |
| 214168\_s\_at | *TJP1* | 0.49 | 5.09E-04 | 1.15E-01 | 0.62 | 1.33E-03 | 7.73E-02 | 0.56 | 2.30E-04 | 3.16E-02 | 0.82 | 2.58E-01 | 5.79E-01 |
| 202085\_at | *TJP2* | 0.93 | 4.06E-01 | 8.15E-01 | 0.97 | 7.50E-01 | 9.12E-01 | 0.95 | 5.58E-01 | 8.53E-01 | 0.97 | 7.21E-01 | 8.87E-01 |
| 232017\_at | *TJP2* | 0.96 | 8.19E-01 | 9.61E-01 | 1.12 | 5.71E-01 | 8.27E-01 | 1.05 | 8.08E-01 | 9.50E-01 | 1.36 | 1.35E-01 | 4.43E-01 |
| 237132\_at | *TJP2* | 1.11 | 2.85E-01 | 7.38E-01 | 1.14 | 1.53E-01 | 4.93E-01 | 1.13 | 1.80E-01 | 5.74E-01 | 1.10 | 3.44E-01 | 6.55E-01 |
| 242991\_at | *TJP2* | 0.96 | 5.43E-01 | 8.76E-01 | 0.95 | 3.67E-01 | 6.98E-01 | 0.96 | 3.58E-01 | 7.38E-01 | 1.08 | 3.66E-01 | 6.73E-01 |
| 213412\_at | *TJP3* | 0.60 | 5.66E-04 | 1.16E-01 | 0.68 | 1.57E-02 | 1.91E-01 | 0.65 | 2.27E-03 | 8.93E-02 | 1.24 | 1.09E-01 | 4.06E-01 |
| 35148\_at | *TJP3* | 0.64 | 2.69E-04 | 1.00E-01 | 0.71 | 1.27E-02 | 1.76E-01 | 0.68 | 1.48E-03 | 7.44E-02 | 1.28 | 5.65E-02 | 3.15E-01 |
| 204253\_s\_at | *VDR* | 0.92 | 3.87E-01 | 8.05E-01 | 0.93 | 3.24E-01 | 6.66E-01 | 0.92 | 2.75E-01 | 6.71E-01 | 0.83 | 9.57E-02 | 3.86E-01 |
| 204254\_s\_at | *VDR* | 0.75 | 2.01E-03 | 1.54E-01 | 0.85 | 1.11E-02 | 1.67E-01 | 0.81 | 1.99E-03 | 8.36E-02 | 0.92 | 3.81E-01 | 6.83E-01 |
| 204255\_s\_at | *VDR* | 0.91 | 4.07E-01 | 8.16E-01 | 1.00 | 9.95E-01 | 9.99E-01 | 0.96 | 6.45E-01 | 8.92E-01 | 0.88 | 1.96E-01 | 5.16E-01 |
| 213692\_s\_at | *VDR* | 0.98 | 8.33E-01 | 9.64E-01 | 0.90 | 2.68E-01 | 6.18E-01 | 0.93 | 4.04E-01 | 7.69E-01 | 0.97 | 7.08E-01 | 8.81E-01 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Probeset ID** | **Gene symbol** | **UC before therapy (n=24) versus CDc before therapy (n=19)** | | | **UC R after therapy (n=8) versus  CDc R after therapy (n=11)** | | | **UC NR after therapy (n=16)  versus  UC NR before therapy (n=16)** | | | **CDc NR after therapy (n=7)  versus CDc NR before therapy (n=7)** | | |
|
|
| **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** |
| 209521\_s\_at | *AMOT* | 0.96 | 3.86E-01 | 9.05E-01 | 0.99 | 8.57E-01 | 1.00E+00 | 0.97 | 5.52E-01 | 8.38E-01 | 1.02 | 7.46E-01 | 9.99E-01 |
| 225450\_at | *AMOTL1* | 1.02 | 8.43E-01 | 9.84E-01 | 1.27 | 6.96E-02 | 1.00E+00 | 0.86 | 2.42E-01 | 6.31E-01 | 0.96 | 7.88E-01 | 9.99E-01 |
| 225459\_at | *AMOTL1* | 1.03 | 5.09E-01 | 9.33E-01 | 1.04 | 6.29E-01 | 1.00E+00 | 0.88 | 5.54E-02 | 3.66E-01 | 0.86 | 1.93E-02 | 9.99E-01 |
| 228840\_at | *AMOTL1* | 0.99 | 8.21E-01 | 9.81E-01 | 1.12 | 2.59E-01 | 1.00E+00 | 0.94 | 3.38E-01 | 7.13E-01 | 0.95 | 5.12E-01 | 9.99E-01 |
| 235277\_at | *AMOTL1* | 1.06 | 9.09E-02 | 7.05E-01 | 1.09 | 3.98E-01 | 1.00E+00 | 0.96 | 2.83E-01 | 6.70E-01 | 1.06 | 3.65E-01 | 9.99E-01 |
| 203002\_at | *AMOTL2* | 1.32 | 7.92E-03 | 3.53E-01 | 0.89 | 4.98E-01 | 1.00E+00 | 0.81 | 1.01E-01 | 4.56E-01 | 0.86 | 3.10E-01 | 9.99E-01 |
| 201130\_s\_at | *CDH1* | 1.22 | 3.34E-01 | 8.87E-01 | 1.13 | 6.87E-01 | 1.00E+00 | 0.93 | 5.73E-01 | 8.48E-01 | 0.66 | 2.72E-01 | 9.99E-01 |
| 201131\_s\_at | *CDH1* | 0.98 | 7.87E-01 | 9.77E-01 | 0.96 | 5.14E-01 | 1.00E+00 | 1.08 | 2.51E-01 | 6.41E-01 | 0.96 | 6.95E-01 | 9.99E-01 |
| 223232\_s\_at | *CGN* | 0.85 | 2.61E-01 | 8.52E-01 | 0.79 | 2.24E-01 | 1.00E+00 | 1.10 | 4.73E-01 | 7.99E-01 | 0.91 | 5.08E-01 | 9.99E-01 |
| 223233\_s\_at | *CGN* | 0.89 | 2.46E-01 | 8.44E-01 | 0.85 | 1.87E-01 | 1.00E+00 | 1.09 | 4.07E-01 | 7.63E-01 | 0.98 | 8.74E-01 | 9.99E-01 |
| 1569847\_at | *CGNL1* | 0.95 | 2.59E-01 | 8.51E-01 | 0.90 | 1.56E-01 | 1.00E+00 | 0.98 | 5.65E-01 | 8.44E-01 | 0.99 | 8.83E-01 | 9.99E-01 |
| 225817\_at | *CGNL1* | 0.97 | 8.34E-01 | 9.83E-01 | 1.21 | 2.54E-01 | 1.00E+00 | 1.05 | 4.87E-01 | 8.06E-01 | 1.13 | 6.80E-02 | 9.99E-01 |
| 218182\_s\_at | *CLDN1* | 1.23 | 1.17E-01 | 7.44E-01 | 0.99 | 8.86E-01 | 1.00E+00 | 0.70 | 4.07E-04 | 9.55E-02 | 0.85 | 4.38E-01 | 9.99E-01 |
| 222549\_at | *CLDN1* | 1.32 | 1.03E-01 | 7.25E-01 | 0.79 | 2.12E-01 | 1.00E+00 | 0.65 | 2.34E-03 | 1.42E-01 | 0.93 | 7.82E-01 | 9.99E-01 |
| 1556687\_a\_at | *CLDN10* | 1.03 | 4.12E-01 | 9.12E-01 | 0.97 | 7.91E-01 | 1.00E+00 | 0.99 | 8.01E-01 | 9.40E-01 | 0.98 | 6.71E-01 | 9.99E-01 |
| 205328\_at | *CLDN10* | 1.00 | 9.76E-01 | 9.98E-01 | 0.95 | 6.10E-01 | 1.00E+00 | 0.92 | 5.17E-02 | 3.59E-01 | 0.93 | 3.82E-01 | 9.99E-01 |
| 206908\_s\_at | *CLDN11* | 1.05 | 2.99E-01 | 8.72E-01 | 1.12 | 1.23E-01 | 1.00E+00 | 1.02 | 7.84E-01 | 9.34E-01 | 0.91 | 2.36E-01 | 9.99E-01 |
| 228335\_at | *CLDN11* | 1.03 | 8.12E-01 | 9.80E-01 | 1.04 | 5.98E-01 | 1.00E+00 | 0.98 | 8.62E-01 | 9.59E-01 | 0.87 | 4.83E-01 | 9.99E-01 |
| 223249\_at | *CLDN12* | 1.17 | 8.04E-02 | 6.88E-01 | 1.05 | 7.19E-01 | 1.00E+00 | 1.07 | 3.83E-01 | 7.46E-01 | 0.92 | 5.62E-01 | 9.99E-01 |
| 210689\_at | *CLDN14* | 1.14 | 6.30E-02 | 6.50E-01 | 0.95 | 5.78E-01 | 1.00E+00 | 0.86 | 2.31E-02 | 2.76E-01 | 0.94 | 4.52E-01 | 9.99E-01 |
| 1552845\_at | *CLDN15* | 0.97 | 7.09E-01 | 9.68E-01 | 1.17 | 1.02E-01 | 1.00E+00 | 0.93 | 2.05E-01 | 5.94E-01 | 1.02 | 8.04E-01 | 9.99E-01 |
| 219640\_at | *CLDN15* | 0.97 | 5.99E-01 | 9.51E-01 | 1.14 | 1.78E-01 | 1.00E+00 | 1.01 | 7.58E-01 | 9.26E-01 | 1.14 | 3.66E-01 | 9.99E-01 |
| 220332\_at | *CLDN16* | 0.97 | 5.63E-01 | 9.44E-01 | 1.02 | 8.49E-01 | 1.00E+00 | 1.09 | 4.96E-02 | 3.54E-01 | 1.06 | 3.97E-01 | 9.99E-01 |
| 221328\_at | *CLDN17* | 1.04 | 4.90E-01 | 9.30E-01 | 1.01 | 8.93E-01 | 1.00E+00 | 0.96 | 3.36E-01 | 7.12E-01 | 1.07 | 4.18E-01 | 9.99E-01 |
| 214135\_at | *CLDN18* | 0.94 | 8.10E-01 | 9.80E-01 | 0.93 | 5.38E-01 | 1.00E+00 | 0.81 | 1.91E-01 | 5.79E-01 | 0.74 | 2.43E-01 | 9.99E-01 |
| 221132\_at | *CLDN18* | 0.87 | 4.01E-01 | 9.10E-01 | 0.93 | 3.90E-01 | 1.00E+00 | 0.92 | 4.41E-01 | 7.82E-01 | 0.73 | 1.42E-01 | 9.99E-01 |
| 221133\_s\_at | *CLDN18* | 0.98 | 9.19E-01 | 9.91E-01 | 0.94 | 3.52E-01 | 1.00E+00 | 0.86 | 1.65E-01 | 5.48E-01 | 0.86 | 5.75E-01 | 9.99E-01 |
| 232578\_at | *CLDN18* | 0.90 | 6.90E-01 | 9.64E-01 | 0.97 | 6.03E-01 | 1.00E+00 | 0.82 | 2.47E-01 | 6.37E-01 | 0.62 | 1.27E-01 | 9.99E-01 |
| 1552535\_at | *CLDN19* | 1.01 | 7.54E-01 | 9.73E-01 | 1.06 | 4.48E-01 | 1.00E+00 | 0.93 | 3.13E-02 | 3.03E-01 | 1.00 | 9.87E-01 | 9.99E-01 |
| 1554804\_a\_at | *CLDN19* | 1.08 | 1.76E-01 | 7.99E-01 | 1.03 | 7.74E-01 | 1.00E+00 | 0.99 | 7.45E-01 | 9.22E-01 | 1.06 | 3.91E-01 | 9.99E-01 |
| 1554805\_at | *CLDN19* | 1.03 | 5.86E-01 | 9.49E-01 | 0.97 | 7.09E-01 | 1.00E+00 | 1.10 | 6.22E-02 | 3.81E-01 | 1.01 | 8.16E-01 | 9.99E-01 |
| 223509\_at | *CLDN2* | 1.41 | 1.68E-02 | 4.51E-01 | 0.92 | 7.17E-01 | 1.00E+00 | 0.90 | 4.59E-01 | 7.91E-01 | 0.91 | 5.34E-01 | 9.99E-01 |
| 1554812\_at | *CLDN20* | 0.95 | 2.29E-01 | 8.34E-01 | 0.99 | 9.45E-01 | 1.00E+00 | 1.03 | 3.41E-01 | 7.16E-01 | 0.98 | 7.68E-01 | 9.99E-01 |
| 222738\_at | *CLDN22* | 1.05 | 3.96E-01 | 9.08E-01 | 1.03 | 6.74E-01 | 1.00E+00 | 0.98 | 7.23E-01 | 9.14E-01 | 0.82 | 5.26E-02 | 9.99E-01 |
| 228704\_s\_at | *CLDN23* | 0.94 | 3.36E-01 | 8.87E-01 | 0.90 | 2.86E-01 | 1.00E+00 | 1.02 | 7.41E-01 | 9.21E-01 | 0.90 | 2.25E-01 | 9.99E-01 |
| 228706\_s\_at | *CLDN23* | 0.74 | 4.71E-02 | 6.06E-01 | 0.70 | 1.53E-01 | 1.00E+00 | 1.41 | 2.29E-02 | 2.76E-01 | 0.88 | 3.33E-01 | 9.99E-01 |
| 228707\_at | *CLDN23* | 0.81 | 1.05E-01 | 7.29E-01 | 0.73 | 1.31E-01 | 1.00E+00 | 1.27 | 1.08E-01 | 4.67E-01 | 0.93 | 6.06E-01 | 9.99E-01 |
| 203953\_s\_at | *CLDN3* | 0.98 | 8.39E-01 | 9.84E-01 | 1.10 | 5.38E-01 | 1.00E+00 | 1.15 | 3.19E-01 | 6.99E-01 | 0.99 | 9.31E-01 | 9.99E-01 |
| 203954\_x\_at | *CLDN3* | 0.97 | 7.80E-01 | 9.77E-01 | 1.04 | 7.01E-01 | 1.00E+00 | 1.18 | 1.80E-01 | 5.68E-01 | 1.03 | 8.28E-01 | 9.99E-01 |
| 1569421\_at | *CLDN4* | 0.98 | 7.69E-01 | 9.76E-01 | 1.14 | 2.03E-01 | 1.00E+00 | 1.09 | 2.80E-02 | 2.94E-01 | 1.09 | 1.43E-01 | 9.99E-01 |
| 201428\_at | *CLDN4* | 1.02 | 8.22E-01 | 9.81E-01 | 1.06 | 6.70E-01 | 1.00E+00 | 1.17 | 6.52E-02 | 3.88E-01 | 0.96 | 8.04E-01 | 9.99E-01 |
| 204482\_at | *CLDN5* | 1.01 | 9.01E-01 | 9.90E-01 | 1.02 | 8.07E-01 | 1.00E+00 | 1.00 | 9.85E-01 | 9.96E-01 | 0.97 | 8.53E-01 | 9.99E-01 |
| 208474\_at | *CLDN6* | 1.05 | 3.83E-01 | 9.04E-01 | 0.91 | 3.35E-01 | 1.00E+00 | 1.02 | 7.94E-01 | 9.38E-01 | 1.06 | 5.34E-01 | 9.99E-01 |
| 237810\_at | *CLDN6* | 1.03 | 5.25E-01 | 9.38E-01 | 1.02 | 7.82E-01 | 1.00E+00 | 0.96 | 4.08E-01 | 7.63E-01 | 0.99 | 9.31E-01 | 9.99E-01 |
| 202790\_at | *CLDN7* | 0.89 | 1.73E-01 | 7.97E-01 | 0.94 | 4.98E-01 | 1.00E+00 | 1.10 | 3.23E-01 | 7.03E-01 | 0.96 | 7.77E-01 | 9.99E-01 |
| 214598\_at | *CLDN8* | 0.32 | 4.69E-03 | 2.96E-01 | 0.74 | 7.00E-01 | 1.00E+00 | 2.09 | 4.52E-02 | 3.42E-01 | 0.94 | 8.56E-01 | 9.99E-01 |
| 214635\_at | *CLDN9* | 1.12 | 6.38E-02 | 6.53E-01 | 1.05 | 7.09E-01 | 1.00E+00 | 0.99 | 8.56E-01 | 9.57E-01 | 1.09 | 2.44E-01 | 9.99E-01 |
| 1558214\_s\_at | *CTNNA1* | 1.14 | 4.50E-01 | 9.20E-01 | 0.95 | 8.73E-01 | 1.00E+00 | 0.90 | 2.85E-01 | 6.71E-01 | 0.61 | 6.44E-02 | 9.99E-01 |
| 200764\_s\_at | *CTNNA1* | 1.03 | 6.32E-01 | 9.57E-01 | 0.97 | 7.71E-01 | 1.00E+00 | 1.01 | 7.90E-01 | 9.36E-01 | 0.90 | 3.46E-01 | 9.99E-01 |
| 200765\_x\_at | *CTNNA1* | 1.01 | 8.19E-01 | 9.80E-01 | 0.91 | 3.84E-01 | 1.00E+00 | 1.00 | 9.91E-01 | 9.98E-01 | 0.92 | 3.60E-01 | 9.99E-01 |
| 210844\_x\_at | *CTNNA1* | 1.03 | 6.48E-01 | 9.59E-01 | 0.96 | 6.74E-01 | 1.00E+00 | 1.01 | 8.28E-01 | 9.49E-01 | 0.92 | 3.51E-01 | 9.99E-01 |
| 215883\_at | *CTNNA1* | 0.97 | 6.69E-01 | 9.61E-01 | 1.06 | 4.74E-01 | 1.00E+00 | 1.00 | 9.33E-01 | 9.80E-01 | 1.05 | 3.77E-01 | 9.99E-01 |
| 1554411\_at | *CTNNB1* | 1.34 | 1.94E-01 | 8.12E-01 | 0.86 | 6.17E-01 | 1.00E+00 | 0.83 | 3.25E-02 | 3.06E-01 | 0.86 | 5.47E-01 | 9.99E-01 |
| 201533\_at | *CTNNB1* | 1.07 | 4.22E-01 | 9.15E-01 | 0.97 | 7.08E-01 | 1.00E+00 | 1.08 | 2.41E-01 | 6.31E-01 | 0.94 | 3.42E-01 | 9.99E-01 |
| 223679\_at | *CTNNB1* | 1.08 | 4.62E-01 | 9.24E-01 | 1.06 | 7.86E-01 | 1.00E+00 | 1.29 | 2.71E-02 | 2.91E-01 | 1.26 | 1.71E-02 | 9.99E-01 |
| 1557944\_s\_at | *CTNND1* | 0.92 | 2.95E-01 | 8.70E-01 | 0.97 | 7.79E-01 | 1.00E+00 | 1.06 | 5.13E-01 | 8.20E-01 | 0.97 | 7.68E-01 | 9.99E-01 |
| 208407\_s\_at | *CTNND1* | 0.80 | 1.22E-03 | 1.92E-01 | 0.91 | 1.51E-01 | 1.00E+00 | 1.29 | 1.32E-02 | 2.30E-01 | 0.97 | 8.11E-01 | 9.99E-01 |
| 208862\_s\_at | *CTNND1* | 0.94 | 4.34E-01 | 9.18E-01 | 0.90 | 2.42E-01 | 1.00E+00 | 1.17 | 5.86E-02 | 3.73E-01 | 0.98 | 8.60E-01 | 9.99E-01 |
| 211240\_x\_at | *CTNND1* | 0.93 | 3.20E-01 | 8.82E-01 | 0.86 | 6.32E-02 | 1.00E+00 | 1.15 | 6.12E-02 | 3.79E-01 | 0.98 | 8.10E-01 | 9.99E-01 |
| 1555716\_a\_at | *CXADR* | 1.15 | 3.51E-01 | 8.95E-01 | 1.12 | 5.17E-01 | 1.00E+00 | 0.88 | 2.28E-01 | 6.17E-01 | 0.76 | 1.28E-01 | 9.99E-01 |
| 203917\_at | *CXADR* | 1.01 | 9.01E-01 | 9.90E-01 | 1.03 | 7.76E-01 | 1.00E+00 | 1.12 | 2.35E-01 | 6.25E-01 | 0.88 | 2.56E-01 | 9.99E-01 |
| 207324\_s\_at | *DSC1* | 1.01 | 8.06E-01 | 9.79E-01 | 1.00 | 9.90E-01 | 1.00E+00 | 0.98 | 5.93E-01 | 8.58E-01 | 1.09 | 2.39E-01 | 9.99E-01 |
| 204750\_s\_at | *DSC2* | 1.03 | 8.13E-01 | 9.80E-01 | 0.75 | 5.53E-02 | 1.00E+00 | 0.99 | 9.12E-01 | 9.74E-01 | 0.89 | 5.71E-01 | 9.99E-01 |
| 204751\_x\_at | *DSC2* | 1.06 | 6.37E-01 | 9.58E-01 | 0.86 | 3.66E-01 | 1.00E+00 | 1.08 | 4.44E-01 | 7.84E-01 | 0.91 | 5.87E-01 | 9.99E-01 |
| 226817\_at | *DSC2* | 0.95 | 5.18E-01 | 9.35E-01 | 0.89 | 1.91E-01 | 1.00E+00 | 1.16 | 1.27E-01 | 4.97E-01 | 0.96 | 7.27E-01 | 9.99E-01 |
| 206032\_at | *DSC3* | 1.01 | 8.61E-01 | 9.85E-01 | 1.00 | 9.54E-01 | 1.00E+00 | 1.01 | 7.69E-01 | 9.30E-01 | 0.97 | 5.99E-01 | 9.99E-01 |
| 206033\_s\_at | *DSC3* | 1.05 | 1.53E-01 | 7.79E-01 | 1.13 | 1.37E-01 | 1.00E+00 | 0.99 | 7.77E-01 | 9.33E-01 | 0.98 | 6.63E-01 | 9.99E-01 |
| 206642\_at | *DSG1* | 1.03 | 3.64E-01 | 8.98E-01 | 0.99 | 8.40E-01 | 1.00E+00 | 0.96 | 1.77E-01 | 5.63E-01 | 0.96 | 5.38E-01 | 9.99E-01 |
| 1553105\_s\_at | *DSG2* | 1.06 | 5.85E-01 | 9.49E-01 | 0.88 | 2.41E-01 | 1.00E+00 | 1.03 | 7.26E-01 | 9.15E-01 | 0.91 | 5.97E-01 | 9.99E-01 |
| 217901\_at | *DSG2* | 0.98 | 7.87E-01 | 9.77E-01 | 0.87 | 4.23E-02 | 1.00E+00 | 1.11 | 2.60E-01 | 6.49E-01 | 0.92 | 4.21E-01 | 9.99E-01 |
| 205595\_at | *DSG3* | 2.57 | 2.41E-03 | 2.38E-01 | 0.92 | 5.88E-01 | 1.00E+00 | 0.53 | 3.31E-03 | 1.58E-01 | 0.87 | 6.35E-01 | 9.99E-01 |
| 235075\_at | *DSG3* | 3.22 | 3.36E-03 | 2.64E-01 | 0.92 | 5.61E-01 | 1.00E+00 | 0.51 | 7.82E-03 | 1.99E-01 | 0.77 | 4.86E-01 | 9.99E-01 |
| 1561330\_at | *DSG4* | 0.97 | 5.45E-01 | 9.40E-01 | 0.94 | 3.72E-01 | 1.00E+00 | 1.06 | 2.39E-01 | 6.29E-01 | 0.92 | 2.49E-01 | 9.99E-01 |
| 200606\_at | *DSP* | 0.93 | 2.92E-01 | 8.68E-01 | 1.03 | 7.12E-01 | 1.00E+00 | 1.21 | 5.24E-02 | 3.60E-01 | 1.02 | 8.56E-01 | 9.99E-01 |
| 215810\_x\_at | *DST* | 0.98 | 5.72E-01 | 9.47E-01 | 1.05 | 5.08E-01 | 1.00E+00 | 1.07 | 9.15E-02 | 4.39E-01 | 0.97 | 5.31E-01 | 9.99E-01 |
| 215814\_at | *DST* | 0.99 | 9.05E-01 | 9.91E-01 | 1.02 | 7.97E-01 | 1.00E+00 | 1.03 | 5.44E-01 | 8.36E-01 | 1.08 | 2.48E-01 | 9.99E-01 |
| 220154\_at | *DST* | 1.03 | 5.97E-01 | 9.51E-01 | 0.93 | 4.41E-01 | 1.00E+00 | 0.99 | 7.70E-01 | 9.30E-01 | 1.01 | 9.50E-01 | 9.99E-01 |
| 209365\_s\_at | *ECM1* | 1.08 | 5.16E-01 | 9.35E-01 | 1.05 | 7.09E-01 | 1.00E+00 | 0.81 | 9.25E-02 | 4.40E-01 | 0.93 | 5.46E-01 | 9.99E-01 |
| 219436\_s\_at | *EMCN* | 1.23 | 1.93E-01 | 8.12E-01 | 1.34 | 8.47E-02 | 1.00E+00 | 0.91 | 5.19E-01 | 8.23E-01 | 1.23 | 5.22E-01 | 9.99E-01 |
| 222885\_at | *EMCN* | 1.19 | 2.88E-01 | 8.65E-01 | 1.06 | 7.68E-01 | 1.00E+00 | 0.91 | 5.85E-01 | 8.55E-01 | 1.21 | 5.24E-01 | 9.99E-01 |
| 227874\_at | *EMCN* | 1.12 | 4.54E-01 | 9.21E-01 | 1.27 | 1.18E-01 | 1.00E+00 | 1.15 | 3.34E-01 | 7.10E-01 | 1.30 | 4.34E-01 | 9.99E-01 |
| 222354\_at | *F11R* | 0.92 | 3.57E-01 | 8.96E-01 | 0.88 | 3.98E-01 | 1.00E+00 | 1.10 | 2.07E-01 | 5.97E-01 | 0.98 | 8.80E-01 | 9.99E-01 |
| 223000\_s\_at | *F11R* | 1.02 | 7.04E-01 | 9.67E-01 | 0.95 | 4.31E-01 | 1.00E+00 | 1.07 | 1.73E-01 | 5.59E-01 | 0.97 | 7.52E-01 | 9.99E-01 |
| 224097\_s\_at | *F11R* | 1.18 | 1.35E-01 | 7.64E-01 | 0.81 | 1.50E-01 | 1.00E+00 | 0.92 | 3.02E-01 | 6.87E-01 | 1.00 | 9.78E-01 | 9.99E-01 |
| 221664\_s\_at | *F11R* | 1.08 | 2.35E-01 | 8.38E-01 | 0.90 | 3.77E-01 | 1.00E+00 | 0.97 | 6.13E-01 | 8.67E-01 | 0.98 | 8.52E-01 | 9.99E-01 |
| 206795\_at | *F2RL2* | 0.98 | 5.42E-01 | 9.40E-01 | 1.00 | 9.82E-01 | 1.00E+00 | 0.95 | 2.66E-01 | 6.54E-01 | 1.02 | 7.26E-01 | 9.99E-01 |
| 230147\_at | *F2RL2* | 1.07 | 5.01E-01 | 9.31E-01 | 1.01 | 9.51E-01 | 1.00E+00 | 0.90 | 1.63E-01 | 5.46E-01 | 1.27 | 1.32E-01 | 9.99E-01 |
| 221737\_at | *GNA12* | 1.03 | 5.50E-01 | 9.41E-01 | 0.98 | 7.71E-01 | 1.00E+00 | 0.93 | 2.42E-01 | 6.31E-01 | 1.08 | 4.56E-01 | 9.99E-01 |
| 224681\_at | *GNA12* | 1.08 | 2.04E-01 | 8.19E-01 | 0.96 | 6.96E-01 | 1.00E+00 | 0.89 | 1.11E-01 | 4.73E-01 | 0.91 | 3.05E-01 | 9.99E-01 |
| 231309\_at | *GNA12* | 1.02 | 5.87E-01 | 9.49E-01 | 1.10 | 3.88E-01 | 1.00E+00 | 0.95 | 1.82E-01 | 5.70E-01 | 0.98 | 7.55E-01 | 9.99E-01 |
| 208429\_x\_at | *HNF4A* | 1.05 | 6.23E-01 | 9.55E-01 | 0.85 | 2.47E-01 | 1.00E+00 | 0.96 | 7.43E-01 | 9.21E-01 | 1.00 | 9.90E-01 | 1.00E+00 |
| 214832\_at | *HNF4A* | 0.97 | 6.16E-01 | 9.53E-01 | 0.79 | 1.97E-02 | 1.00E+00 | 1.06 | 3.98E-01 | 7.56E-01 | 1.08 | 4.68E-01 | 9.99E-01 |
| 214851\_at | *HNF4A* | 1.04 | 4.25E-01 | 9.16E-01 | 1.19 | 2.70E-01 | 1.00E+00 | 1.08 | 1.40E-01 | 5.16E-01 | 0.97 | 6.58E-01 | 9.99E-01 |
| 216889\_s\_at | *HNF4A* | 1.00 | 9.84E-01 | 9.98E-01 | 1.02 | 8.37E-01 | 1.00E+00 | 1.05 | 4.19E-01 | 7.70E-01 | 1.06 | 5.84E-01 | 9.99E-01 |
| 230914\_at | *HNF4A* | 0.88 | 1.90E-01 | 8.10E-01 | 0.84 | 8.89E-02 | 1.00E+00 | 1.14 | 2.84E-01 | 6.70E-01 | 1.01 | 8.92E-01 | 9.99E-01 |
| 243027\_at | *IGSF5* | 0.99 | 8.71E-01 | 9.87E-01 | 1.04 | 7.15E-01 | 1.00E+00 | 1.02 | 7.62E-01 | 9.27E-01 | 1.07 | 2.33E-01 | 9.99E-01 |
| 201656\_at | *ITGA6* | 1.04 | 6.34E-01 | 9.57E-01 | 0.92 | 4.37E-01 | 1.00E+00 | 1.16 | 1.29E-02 | 2.29E-01 | 1.01 | 9.09E-01 | 9.99E-01 |
| 215177\_s\_at | *ITGA6* | 1.22 | 1.64E-01 | 7.89E-01 | 0.98 | 9.08E-01 | 1.00E+00 | 1.05 | 5.03E-01 | 8.14E-01 | 0.95 | 7.58E-01 | 9.99E-01 |
| 204989\_s\_at | *ITGB4* | 1.16 | 2.06E-01 | 8.20E-01 | 0.91 | 5.97E-01 | 1.00E+00 | 0.89 | 2.32E-01 | 6.22E-01 | 0.88 | 4.54E-01 | 9.99E-01 |
| 204990\_s\_at | *ITGB4* | 1.19 | 9.77E-02 | 7.17E-01 | 0.93 | 6.12E-01 | 1.00E+00 | 0.91 | 3.25E-01 | 7.05E-01 | 0.95 | 7.16E-01 | 9.99E-01 |
| 211905\_s\_at | *ITGB4* | 1.16 | 3.08E-01 | 8.76E-01 | 0.95 | 8.08E-01 | 1.00E+00 | 0.92 | 3.41E-01 | 7.16E-01 | 0.86 | 2.69E-01 | 9.99E-01 |
| 214292\_at | *ITGB4* | 1.04 | 3.89E-01 | 9.06E-01 | 1.07 | 5.15E-01 | 1.00E+00 | 0.98 | 7.61E-01 | 9.27E-01 | 1.03 | 6.54E-01 | 9.99E-01 |
| 230704\_s\_at | *ITGB4* | 1.06 | 3.27E-01 | 8.85E-01 | 1.01 | 9.19E-01 | 1.00E+00 | 1.05 | 4.46E-01 | 7.85E-01 | 1.04 | 6.76E-01 | 9.99E-01 |
| 219213\_at | *JAM2* | 1.08 | 6.01E-01 | 9.51E-01 | 1.47 | 6.96E-03 | 1.00E+00 | 0.86 | 2.88E-01 | 6.74E-01 | 0.97 | 9.03E-01 | 9.99E-01 |
| 212813\_at | *JAM3* | 1.14 | 3.52E-01 | 8.95E-01 | 1.25 | 4.07E-02 | 1.00E+00 | 0.79 | 1.75E-01 | 5.61E-01 | 0.82 | 3.08E-01 | 9.99E-01 |
| 231720\_s\_at | *JAM3* | 1.07 | 2.96E-01 | 8.70E-01 | 0.95 | 6.22E-01 | 1.00E+00 | 0.94 | 4.37E-01 | 7.80E-01 | 1.13 | 6.84E-02 | 9.99E-01 |
| 231721\_at | *JAM3* | 1.05 | 4.62E-01 | 9.24E-01 | 1.18 | 7.80E-02 | 1.00E+00 | 0.86 | 2.92E-02 | 2.98E-01 | 0.94 | 4.81E-01 | 9.99E-01 |
| 201015\_s\_at | *JUP* | 1.06 | 4.79E-01 | 9.28E-01 | 0.91 | 4.46E-01 | 1.00E+00 | 1.06 | 5.21E-01 | 8.24E-01 | 0.91 | 5.78E-01 | 9.99E-01 |
| 222346\_at | *LAMA1* | 1.09 | 8.77E-02 | 6.99E-01 | 1.28 | 2.42E-02 | 1.00E+00 | 1.01 | 7.67E-01 | 9.29E-01 | 1.11 | 2.03E-01 | 9.99E-01 |
| 227048\_at | *LAMA1* | 0.52 | 6.88E-04 | 1.67E-01 | 0.78 | 4.57E-01 | 1.00E+00 | 1.24 | 1.46E-01 | 5.23E-01 | 0.76 | 1.52E-01 | 9.99E-01 |
| 1560078\_at | *LAMA3* | 1.04 | 4.23E-01 | 9.15E-01 | 1.01 | 8.83E-01 | 1.00E+00 | 1.02 | 6.15E-01 | 8.68E-01 | 1.11 | 1.09E-01 | 9.99E-01 |
| 1563772\_a\_at | *LAMA3* | 1.04 | 3.56E-01 | 8.96E-01 | 1.06 | 5.38E-01 | 1.00E+00 | 1.00 | 9.73E-01 | 9.93E-01 | 0.93 | 2.70E-01 | 9.99E-01 |
| 1568879\_a\_at | *LAMA3* | 0.97 | 5.55E-01 | 9.43E-01 | 1.06 | 5.03E-01 | 1.00E+00 | 1.01 | 8.00E-01 | 9.40E-01 | 1.02 | 8.58E-01 | 9.99E-01 |
| 203726\_s\_at | *LAMA3* | 1.52 | 2.07E-03 | 2.22E-01 | 0.95 | 8.53E-01 | 1.00E+00 | 0.73 | 1.08E-02 | 2.18E-01 | 0.90 | 4.92E-01 | 9.99E-01 |
| 202202\_s\_at | *LAMA4* | 1.08 | 6.92E-01 | 9.65E-01 | 1.57 | 7.81E-02 | 1.00E+00 | 0.79 | 2.73E-01 | 6.59E-01 | 0.89 | 6.83E-01 | 9.99E-01 |
| 210089\_s\_at | *LAMA4* | 1.17 | 4.32E-02 | 5.93E-01 | 1.09 | 3.39E-01 | 1.00E+00 | 0.95 | 4.45E-01 | 7.84E-01 | 1.02 | 7.68E-01 | 9.99E-01 |
| 210989\_at | *LAMA4* | 0.99 | 7.30E-01 | 9.71E-01 | 1.04 | 4.66E-01 | 1.00E+00 | 0.96 | 3.22E-01 | 7.02E-01 | 0.92 | 2.02E-01 | 9.99E-01 |
| 210990\_s\_at | *LAMA4* | 1.08 | 1.89E-01 | 8.09E-01 | 1.09 | 2.92E-01 | 1.00E+00 | 0.88 | 5.02E-02 | 3.55E-01 | 0.86 | 2.08E-02 | 9.99E-01 |
| 210150\_s\_at | *LAMA5* | 1.20 | 5.66E-02 | 6.32E-01 | 1.05 | 6.58E-01 | 1.00E+00 | 0.81 | 2.15E-02 | 2.70E-01 | 0.90 | 4.46E-01 | 9.99E-01 |
| 201505\_at | *LAMB1* | 0.94 | 6.48E-01 | 9.59E-01 | 1.08 | 6.77E-01 | 1.00E+00 | 0.94 | 6.73E-01 | 8.94E-01 | 0.76 | 7.78E-02 | 9.99E-01 |
| 211651\_s\_at | *LAMB1* | 0.96 | 7.57E-01 | 9.74E-01 | 1.08 | 6.69E-01 | 1.00E+00 | 0.89 | 3.64E-01 | 7.32E-01 | 0.80 | 1.60E-01 | 9.99E-01 |
| 216264\_s\_at | *LAMB2* | 1.19 | 7.09E-02 | 6.71E-01 | 1.22 | 4.10E-02 | 1.00E+00 | 0.90 | 3.05E-01 | 6.88E-01 | 0.96 | 7.20E-01 | 9.99E-01 |
| 200770\_s\_at | *LAMC1* | 1.30 | 4.27E-02 | 5.90E-01 | 1.07 | 5.92E-01 | 1.00E+00 | 0.69 | 1.59E-02 | 2.44E-01 | 0.74 | 2.52E-02 | 9.99E-01 |
| 200771\_at | *LAMC1* | 1.24 | 1.98E-01 | 8.15E-01 | 1.41 | 1.47E-01 | 1.00E+00 | 0.70 | 8.06E-02 | 4.18E-01 | 0.77 | 3.00E-01 | 9.99E-01 |
| 202267\_at | *LAMC2* | 1.51 | 2.37E-03 | 2.36E-01 | 0.87 | 4.97E-01 | 1.00E+00 | 0.61 | 1.47E-04 | 7.48E-02 | 0.76 | 2.89E-01 | 9.99E-01 |
| 207517\_at | *LAMC2* | 1.50 | 3.21E-03 | 2.62E-01 | 0.92 | 6.44E-01 | 1.00E+00 | 0.88 | 3.90E-01 | 7.51E-01 | 1.11 | 5.71E-01 | 9.99E-01 |
| 1555262\_a\_at | *MAGI1* | 1.04 | 3.74E-01 | 9.01E-01 | 1.03 | 6.62E-01 | 1.00E+00 | 0.98 | 7.21E-01 | 9.13E-01 | 1.20 | 5.29E-02 | 9.99E-01 |
| 1559256\_at | *MAGI1* | 0.98 | 6.17E-01 | 9.53E-01 | 0.90 | 5.29E-02 | 1.00E+00 | 1.00 | 9.45E-01 | 9.84E-01 | 1.07 | 3.41E-01 | 9.99E-01 |
| 1559257\_a\_at | *MAGI1* | 0.94 | 1.10E-01 | 7.36E-01 | 0.90 | 2.16E-01 | 1.00E+00 | 1.01 | 7.52E-01 | 9.24E-01 | 0.99 | 9.24E-01 | 9.99E-01 |
| 206144\_at | *MAGI1* | 0.97 | 4.90E-01 | 9.29E-01 | 1.06 | 5.41E-01 | 1.00E+00 | 1.05 | 2.11E-01 | 6.00E-01 | 1.03 | 6.21E-01 | 9.99E-01 |
| 225465\_at | *MAGI1* | 0.89 | 1.41E-01 | 7.69E-01 | 0.97 | 7.20E-01 | 1.00E+00 | 1.07 | 2.09E-01 | 5.98E-01 | 1.00 | 9.68E-01 | 9.99E-01 |
| 232859\_s\_at | *MAGI1* | 1.01 | 8.98E-01 | 9.90E-01 | 0.97 | 7.45E-01 | 1.00E+00 | 0.98 | 6.89E-01 | 9.00E-01 | 1.03 | 5.75E-01 | 9.99E-01 |
| 207702\_s\_at | *MAGI2* | 0.98 | 6.09E-01 | 9.53E-01 | 1.04 | 5.76E-01 | 1.00E+00 | 0.96 | 3.75E-01 | 7.40E-01 | 1.08 | 2.72E-01 | 9.99E-01 |
| 209737\_at | *MAGI2* | 0.80 | 6.63E-03 | 3.30E-01 | 0.88 | 3.60E-01 | 1.00E+00 | 0.95 | 4.62E-01 | 7.93E-01 | 1.08 | 3.75E-01 | 9.99E-01 |
| 224307\_x\_at | *MAGI3* | 0.98 | 6.52E-01 | 9.59E-01 | 0.92 | 3.30E-01 | 1.00E+00 | 1.00 | 9.54E-01 | 9.87E-01 | 0.91 | 4.04E-01 | 9.99E-01 |
| 226770\_at | *MAGI3* | 0.81 | 5.35E-02 | 6.25E-01 | 0.93 | 4.75E-01 | 1.00E+00 | 1.15 | 2.42E-01 | 6.31E-01 | 0.97 | 8.29E-01 | 9.99E-01 |
| 235141\_at | *MARVELD2* | 0.90 | 3.19E-01 | 8.82E-01 | 0.91 | 1.90E-01 | 1.00E+00 | 1.22 | 1.04E-01 | 4.61E-01 | 1.02 | 8.95E-01 | 9.99E-01 |
| 235955\_at | *MARVELD2* | 0.91 | 4.48E-01 | 9.20E-01 | 0.86 | 1.32E-01 | 1.00E+00 | 1.15 | 2.46E-01 | 6.36E-01 | 0.94 | 7.22E-01 | 9.99E-01 |
| 233634\_at | *MARVELD3* | 0.90 | 2.33E-01 | 8.38E-01 | 1.04 | 7.87E-01 | 1.00E+00 | 1.17 | 1.29E-01 | 5.01E-01 | 0.95 | 6.88E-01 | 9.99E-01 |
| 239148\_at | *MARVELD3* | 0.82 | 5.52E-02 | 6.30E-01 | 0.99 | 9.64E-01 | 1.00E+00 | 1.15 | 1.43E-01 | 5.21E-01 | 0.83 | 2.74E-01 | 9.99E-01 |
| 239350\_at | *MARVELD3* | 0.79 | 9.82E-02 | 7.18E-01 | 0.95 | 7.00E-01 | 1.00E+00 | 1.08 | 4.91E-01 | 8.08E-01 | 0.91 | 6.18E-01 | 9.99E-01 |
| 209086\_x\_at | *MCAM* | 1.15 | 1.01E-01 | 7.24E-01 | 1.14 | 3.36E-01 | 1.00E+00 | 0.80 | 7.04E-03 | 1.92E-01 | 0.87 | 3.76E-01 | 9.99E-01 |
| 209087\_x\_at | *MCAM* | 1.06 | 6.99E-01 | 9.66E-01 | 1.36 | 5.69E-02 | 1.00E+00 | 0.86 | 3.91E-01 | 7.51E-01 | 0.78 | 4.45E-01 | 9.99E-01 |
| 210869\_s\_at | *MCAM* | 1.18 | 2.82E-01 | 8.63E-01 | 1.23 | 2.77E-01 | 1.00E+00 | 0.77 | 8.06E-02 | 4.18E-01 | 0.86 | 5.66E-01 | 9.99E-01 |
| 211042\_x\_at | *MCAM* | 1.01 | 7.83E-01 | 9.77E-01 | 1.01 | 9.44E-01 | 1.00E+00 | 1.05 | 2.03E-01 | 5.92E-01 | 0.96 | 4.73E-01 | 9.99E-01 |
| 211340\_s\_at | *MCAM* | 1.27 | 2.04E-01 | 8.19E-01 | 1.45 | 7.97E-02 | 1.00E+00 | 0.72 | 1.40E-01 | 5.16E-01 | 0.78 | 4.40E-01 | 9.99E-01 |
| 206000\_at | *MEP1A* | 0.79 | 1.47E-01 | 7.73E-01 | 1.21 | 1.85E-01 | 1.00E+00 | 1.08 | 6.90E-01 | 9.01E-01 | 1.19 | 5.52E-01 | 9.99E-01 |
| 214939\_x\_at | *MLLT4* | 1.06 | 4.40E-01 | 9.19E-01 | 1.05 | 6.68E-01 | 1.00E+00 | 0.93 | 2.35E-01 | 6.25E-01 | 0.87 | 5.91E-02 | 9.99E-01 |
| 215904\_at | *MLLT4* | 0.98 | 5.68E-01 | 9.46E-01 | 1.12 | 1.50E-01 | 1.00E+00 | 0.99 | 9.20E-01 | 9.77E-01 | 0.94 | 4.78E-01 | 9.99E-01 |
| 224685\_at | *MLLT4* | 0.91 | 1.91E-01 | 8.10E-01 | 0.92 | 3.98E-01 | 1.00E+00 | 1.16 | 3.37E-02 | 3.10E-01 | 0.95 | 3.78E-01 | 9.99E-01 |
| 229775\_s\_at | *MLLT4* | 0.95 | 6.04E-01 | 9.52E-01 | 0.97 | 8.54E-01 | 1.00E+00 | 1.06 | 6.11E-01 | 8.66E-01 | 0.96 | 6.60E-01 | 9.99E-01 |
| 230622\_at | *MLLT4* | 0.99 | 8.49E-01 | 9.84E-01 | 1.11 | 1.92E-01 | 1.00E+00 | 1.05 | 2.97E-01 | 6.81E-01 | 1.03 | 6.55E-01 | 9.99E-01 |
| 238871\_at | *MLLT4* | 0.96 | 2.45E-01 | 8.43E-01 | 1.00 | 9.75E-01 | 1.00E+00 | 1.03 | 4.30E-01 | 7.76E-01 | 1.02 | 7.69E-01 | 9.99E-01 |
| 205079\_s\_at | *MPDZ* | 1.06 | 3.94E-01 | 9.07E-01 | 1.08 | 2.68E-01 | 1.00E+00 | 0.92 | 2.57E-01 | 6.46E-01 | 1.00 | 9.80E-01 | 9.99E-01 |
| 213306\_at | *MPDZ* | 0.95 | 7.09E-01 | 9.68E-01 | 1.20 | 3.69E-02 | 1.00E+00 | 0.95 | 6.62E-01 | 8.88E-01 | 0.84 | 4.24E-01 | 9.99E-01 |
| 219321\_at | *MPP5* | 0.92 | 3.50E-01 | 8.94E-01 | 0.80 | 2.30E-01 | 1.00E+00 | 1.04 | 6.19E-01 | 8.70E-01 | 0.82 | 1.88E-01 | 9.99E-01 |
| 226092\_at | *MPP5* | 0.89 | 1.12E-01 | 7.38E-01 | 0.87 | 2.29E-01 | 1.00E+00 | 1.07 | 3.81E-01 | 7.45E-01 | 0.88 | 1.91E-01 | 9.99E-01 |
| 207847\_s\_at | *MUC1* | 1.05 | 6.87E-01 | 9.64E-01 | 0.87 | 3.60E-01 | 1.00E+00 | 1.02 | 8.55E-01 | 9.57E-01 | 0.99 | 9.06E-01 | 9.99E-01 |
| 211695\_x\_at | *MUC1* | 1.15 | 2.07E-01 | 8.20E-01 | 0.89 | 3.82E-01 | 1.00E+00 | 1.00 | 9.90E-01 | 9.97E-01 | 0.96 | 7.80E-01 | 9.99E-01 |
| 213693\_s\_at | *MUC1* | 1.03 | 7.87E-01 | 9.77E-01 | 0.88 | 3.29E-01 | 1.00E+00 | 1.08 | 4.74E-01 | 7.99E-01 | 0.97 | 7.78E-01 | 9.99E-01 |
| 1557906\_at | *MUC12* | 1.04 | 4.04E-01 | 9.10E-01 | 1.08 | 5.69E-01 | 1.00E+00 | 0.96 | 2.70E-01 | 6.58E-01 | 1.03 | 6.34E-01 | 9.99E-01 |
| 1557907\_x\_at | *MUC12* | 1.04 | 4.36E-01 | 9.18E-01 | 1.05 | 5.54E-01 | 1.00E+00 | 1.06 | 1.46E-01 | 5.24E-01 | 1.05 | 4.35E-01 | 9.99E-01 |
| 226654\_at | *MUC12* | 0.97 | 8.12E-01 | 9.80E-01 | 1.15 | 5.81E-01 | 1.00E+00 | 1.49 | 2.48E-02 | 2.82E-01 | 1.07 | 6.43E-01 | 9.99E-01 |
| 231814\_at | *MUC12* | 1.05 | 8.06E-01 | 9.79E-01 | 0.93 | 8.49E-01 | 1.00E+00 | 1.19 | 3.62E-01 | 7.31E-01 | 0.81 | 4.79E-01 | 9.99E-01 |
| 218687\_s\_at | *MUC13* | 1.10 | 3.34E-01 | 8.87E-01 | 0.95 | 7.05E-01 | 1.00E+00 | 1.02 | 8.48E-01 | 9.55E-01 | 0.94 | 6.46E-01 | 9.99E-01 |
| 222712\_s\_at | *MUC13* | 1.13 | 3.07E-01 | 8.75E-01 | 0.97 | 8.64E-01 | 1.00E+00 | 0.95 | 5.66E-01 | 8.45E-01 | 0.82 | 1.81E-01 | 9.99E-01 |
| 227238\_at | *MUC15* | 1.04 | 2.35E-01 | 8.38E-01 | 1.01 | 9.13E-01 | 1.00E+00 | 1.00 | 9.06E-01 | 9.73E-01 | 1.00 | 9.74E-01 | 9.99E-01 |
| 227241\_at | *MUC15* | 0.99 | 6.27E-01 | 9.56E-01 | 1.03 | 7.33E-01 | 1.00E+00 | 0.98 | 6.44E-01 | 8.81E-01 | 0.94 | 2.35E-01 | 9.99E-01 |
| 220196\_at | *MUC16* | 1.03 | 5.29E-01 | 9.38E-01 | 0.91 | 1.72E-01 | 1.00E+00 | 1.00 | 9.20E-01 | 9.77E-01 | 0.93 | 2.68E-01 | 9.99E-01 |
| 232321\_at | *MUC17* | 1.68 | 9.66E-02 | 7.14E-01 | 1.63 | 9.42E-02 | 1.00E+00 | 0.99 | 9.52E-01 | 9.86E-01 | 1.55 | 1.91E-01 | 9.99E-01 |
| 232407\_at | *MUC17* | 0.95 | 3.14E-01 | 8.79E-01 | 0.88 | 2.09E-01 | 1.00E+00 | 1.10 | 4.70E-02 | 3.47E-01 | 0.99 | 9.19E-01 | 9.99E-01 |
| 1553436\_at | *MUC19* | 0.98 | 5.07E-01 | 9.32E-01 | 1.07 | 4.05E-01 | 1.00E+00 | 1.02 | 6.45E-01 | 8.81E-01 | 0.91 | 8.49E-02 | 9.99E-01 |
| 204673\_at | *MUC2* | 0.92 | 4.65E-01 | 9.24E-01 | 1.24 | 3.59E-01 | 1.00E+00 | 1.04 | 7.74E-01 | 9.31E-01 | 0.95 | 7.57E-01 | 9.99E-01 |
| 226622\_at | *MUC20* | 1.06 | 7.74E-01 | 9.77E-01 | 1.02 | 9.45E-01 | 1.00E+00 | 1.42 | 1.89E-02 | 2.58E-01 | 1.09 | 6.03E-01 | 9.99E-01 |
| 230043\_at | *MUC20* | 1.01 | 9.31E-01 | 9.94E-01 | 1.01 | 9.79E-01 | 1.00E+00 | 1.29 | 4.39E-02 | 3.39E-01 | 0.95 | 7.33E-01 | 9.99E-01 |
| 231941\_s\_at | *MUC20* | 1.05 | 8.09E-01 | 9.80E-01 | 0.99 | 9.73E-01 | 1.00E+00 | 1.40 | 4.01E-02 | 3.27E-01 | 1.02 | 9.15E-01 | 9.99E-01 |
| 243774\_at | *MUC20* | 1.03 | 7.22E-01 | 9.70E-01 | 1.07 | 6.11E-01 | 1.00E+00 | 1.06 | 1.74E-01 | 5.60E-01 | 1.05 | 5.13E-01 | 9.99E-01 |
| 217117\_x\_at | *MUC3A* | 1.03 | 6.07E-01 | 9.53E-01 | 0.92 | 4.40E-01 | 1.00E+00 | 1.06 | 2.63E-01 | 6.52E-01 | 1.02 | 8.94E-01 | 9.99E-01 |
| 214676\_x\_at | *MUC3B* | 1.03 | 6.91E-01 | 9.65E-01 | 0.98 | 8.40E-01 | 1.00E+00 | 1.05 | 3.69E-01 | 7.36E-01 | 1.05 | 6.56E-01 | 9.99E-01 |
| 214898\_x\_at | *MUC3B* | 1.04 | 6.34E-01 | 9.57E-01 | 0.98 | 8.23E-01 | 1.00E+00 | 1.11 | 2.37E-01 | 6.27E-01 | 0.95 | 7.58E-01 | 9.99E-01 |
| 1561785\_at | *MUC4* | 0.96 | 6.48E-01 | 9.59E-01 | 1.14 | 5.38E-01 | 1.00E+00 | 1.29 | 2.01E-02 | 2.63E-01 | 1.12 | 3.68E-01 | 9.99E-01 |
| 204895\_x\_at | *MUC4* | 1.16 | 2.90E-01 | 8.67E-01 | 1.02 | 9.03E-01 | 1.00E+00 | 1.30 | 2.96E-02 | 2.99E-01 | 1.08 | 5.68E-01 | 9.99E-01 |
| 217109\_at | *MUC4* | 1.06 | 6.64E-01 | 9.60E-01 | 0.97 | 8.20E-01 | 1.00E+00 | 1.35 | 1.04E-02 | 2.16E-01 | 1.05 | 6.48E-01 | 9.99E-01 |
| 217110\_s\_at | *MUC4* | 1.11 | 5.10E-01 | 9.33E-01 | 0.96 | 8.12E-01 | 1.00E+00 | 1.32 | 4.45E-02 | 3.41E-01 | 1.15 | 2.83E-01 | 9.99E-01 |
| 235055\_x\_at | *MUC4* | 1.03 | 6.20E-01 | 9.54E-01 | 0.99 | 9.50E-01 | 1.00E+00 | 1.11 | 9.82E-02 | 4.50E-01 | 1.17 | 5.63E-02 | 9.99E-01 |
| 214303\_x\_at | *MUC5AC* | 1.42 | 3.23E-02 | 5.42E-01 | 1.17 | 5.11E-01 | 1.00E+00 | 0.78 | 7.40E-02 | 4.06E-01 | 0.90 | 3.75E-01 | 9.99E-01 |
| 214385\_s\_at | *MUC5AC* | 1.65 | 3.12E-02 | 5.37E-01 | 1.42 | 3.13E-01 | 1.00E+00 | 0.68 | 2.83E-02 | 2.95E-01 | 0.91 | 5.84E-01 | 9.99E-01 |
| 217182\_at | *MUC5AC* | 1.13 | 1.43E-01 | 7.70E-01 | 1.08 | 5.93E-01 | 1.00E+00 | 1.08 | 1.97E-01 | 5.86E-01 | 1.17 | 7.93E-02 | 9.99E-01 |
| 217187\_at | *MUC5AC* | 1.09 | 3.84E-01 | 9.05E-01 | 1.01 | 9.45E-01 | 1.00E+00 | 0.79 | 5.80E-02 | 3.72E-01 | 0.81 | 2.02E-01 | 9.99E-01 |
| 213432\_at | *MUC5B* | 1.04 | 7.81E-01 | 9.77E-01 | 1.05 | 7.70E-01 | 1.00E+00 | 1.03 | 7.96E-01 | 9.38E-01 | 0.80 | 8.58E-02 | 9.99E-01 |
| 222268\_x\_at | *MUC5B* | 1.10 | 4.17E-01 | 9.14E-01 | 0.90 | 5.57E-01 | 1.00E+00 | 0.91 | 3.37E-01 | 7.13E-01 | 0.89 | 3.12E-01 | 9.99E-01 |
| 1565666\_s\_at | *MUC6* | 1.00 | 9.97E-01 | 1.00E+00 | 1.00 | 9.79E-01 | 1.00E+00 | 0.95 | 3.70E-01 | 7.37E-01 | 0.81 | 4.35E-02 | 9.99E-01 |
| 214133\_at | *MUC6* | 1.17 | 1.31E-02 | 4.18E-01 | 1.02 | 8.17E-01 | 1.00E+00 | 0.88 | 4.66E-02 | 3.46E-01 | 1.04 | 7.62E-01 | 9.99E-01 |
| 216359\_at | *MUC7* | 0.99 | 7.27E-01 | 9.71E-01 | 1.02 | 8.54E-01 | 1.00E+00 | 0.94 | 1.87E-01 | 5.74E-01 | 1.04 | 5.14E-01 | 9.99E-01 |
| 217059\_at | *MUC7* | 0.97 | 2.86E-01 | 8.64E-01 | 0.92 | 9.46E-02 | 1.00E+00 | 1.01 | 6.36E-01 | 8.77E-01 | 0.99 | 8.52E-01 | 9.99E-01 |
| 216671\_x\_at | *MUC8* | 1.02 | 6.69E-01 | 9.61E-01 | 0.90 | 1.93E-01 | 1.00E+00 | 0.94 | 3.45E-01 | 7.19E-01 | 1.02 | 6.91E-01 | 9.99E-01 |
| 217295\_at | *MUC8* | 0.98 | 7.38E-01 | 9.72E-01 | 0.98 | 8.27E-01 | 1.00E+00 | 0.98 | 6.53E-01 | 8.85E-01 | 1.08 | 2.23E-01 | 9.99E-01 |
| 209888\_s\_at | *MYL1* | 0.98 | 7.29E-01 | 9.71E-01 | 0.93 | 2.34E-01 | 1.00E+00 | 1.02 | 5.41E-01 | 8.34E-01 | 0.94 | 4.34E-01 | 9.99E-01 |
| 209742\_s\_at | *MYL2* | 1.03 | 4.05E-01 | 9.10E-01 | 1.06 | 4.30E-01 | 1.00E+00 | 0.99 | 7.30E-01 | 9.16E-01 | 1.00 | 9.98E-01 | 1.00E+00 |
| 205589\_at | *MYL3* | 1.07 | 2.57E-01 | 8.50E-01 | 0.97 | 7.71E-01 | 1.00E+00 | 0.98 | 6.48E-01 | 8.82E-01 | 1.04 | 5.92E-01 | 9.99E-01 |
| 210088\_x\_at | *MYL4* | 1.01 | 8.60E-01 | 9.85E-01 | 1.04 | 6.15E-01 | 1.00E+00 | 0.97 | 5.50E-01 | 8.37E-01 | 0.96 | 4.85E-01 | 9.99E-01 |
| 210395\_x\_at | *MYL4* | 1.00 | 1.00E+00 | 1.00E+00 | 1.03 | 6.63E-01 | 1.00E+00 | 1.03 | 3.59E-01 | 7.28E-01 | 0.96 | 5.95E-01 | 9.99E-01 |
| 216054\_x\_at | *MYL4* | 1.00 | 9.30E-01 | 9.94E-01 | 1.02 | 8.12E-01 | 1.00E+00 | 1.06 | 1.61E-01 | 5.43E-01 | 1.05 | 5.94E-01 | 9.99E-01 |
| 217274\_x\_at | *MYL4* | 1.04 | 2.69E-01 | 8.56E-01 | 0.91 | 1.87E-01 | 1.00E+00 | 0.98 | 6.50E-01 | 8.83E-01 | 0.93 | 3.24E-01 | 9.99E-01 |
| 205145\_s\_at | *MYL5* | 0.99 | 8.78E-01 | 9.88E-01 | 1.01 | 9.46E-01 | 1.00E+00 | 0.94 | 3.46E-01 | 7.19E-01 | 1.14 | 1.14E-01 | 9.99E-01 |
| 212082\_s\_at | *MYL6* | 0.97 | 4.14E-01 | 9.13E-01 | 1.02 | 7.03E-01 | 1.00E+00 | 1.05 | 1.59E-01 | 5.40E-01 | 0.98 | 7.20E-01 | 9.99E-01 |
| 204173\_at | *MYL6B* | 1.09 | 2.83E-01 | 8.63E-01 | 1.00 | 9.75E-01 | 1.00E+00 | 0.86 | 8.13E-02 | 4.19E-01 | 0.99 | 9.58E-01 | 9.99E-01 |
| 219942\_at | *MYL7* | 1.03 | 5.97E-01 | 9.51E-01 | 1.07 | 3.90E-01 | 1.00E+00 | 1.01 | 7.84E-01 | 9.35E-01 | 1.00 | 9.96E-01 | 1.00E+00 |
| 201058\_s\_at | *MYL9* | 1.07 | 7.63E-01 | 9.75E-01 | 2.42 | 6.35E-03 | 1.00E+00 | 0.79 | 2.36E-01 | 6.26E-01 | 0.90 | 7.39E-01 | 9.99E-01 |
| 1563466\_at | *MYLK* | 0.97 | 3.45E-01 | 8.91E-01 | 0.99 | 8.76E-01 | 1.00E+00 | 1.03 | 4.43E-01 | 7.83E-01 | 0.92 | 2.41E-01 | 9.99E-01 |
| 1568770\_at | *MYLK* | 1.00 | 9.39E-01 | 9.94E-01 | 0.94 | 5.86E-01 | 1.00E+00 | 0.96 | 4.32E-01 | 7.78E-01 | 0.97 | 6.95E-01 | 9.99E-01 |
| 1569956\_at | *MYLK* | 0.98 | 4.94E-01 | 9.30E-01 | 1.06 | 2.83E-01 | 1.00E+00 | 1.05 | 1.93E-01 | 5.81E-01 | 1.05 | 4.13E-01 | 9.99E-01 |
| 202555\_s\_at | *MYLK* | 0.79 | 6.60E-02 | 6.59E-01 | 1.55 | 3.11E-02 | 1.00E+00 | 1.13 | 2.37E-01 | 6.27E-01 | 1.06 | 8.02E-01 | 9.99E-01 |
| 224823\_at | *MYLK* | 0.77 | 5.19E-02 | 6.20E-01 | 1.41 | 1.71E-01 | 1.00E+00 | 1.12 | 2.85E-01 | 6.71E-01 | 0.99 | 9.63E-01 | 9.99E-01 |
| 208452\_x\_at | *MYO9B* | 1.03 | 6.62E-01 | 9.60E-01 | 1.04 | 6.83E-01 | 1.00E+00 | 0.92 | 1.64E-01 | 5.47E-01 | 0.96 | 5.60E-01 | 9.99E-01 |
| 214780\_s\_at | *MYO9B* | 1.01 | 9.12E-01 | 9.91E-01 | 1.02 | 6.71E-01 | 1.00E+00 | 0.99 | 8.74E-01 | 9.63E-01 | 1.12 | 1.09E-01 | 9.99E-01 |
| 217297\_s\_at | *MYO9B* | 1.09 | 1.49E-01 | 7.76E-01 | 0.95 | 4.65E-01 | 1.00E+00 | 0.86 | 4.47E-03 | 1.75E-01 | 1.09 | 2.88E-01 | 9.99E-01 |
| 209925\_at | *OCLN* | 0.87 | 2.55E-01 | 8.49E-01 | 0.79 | 2.14E-01 | 1.00E+00 | 1.19 | 7.34E-02 | 4.05E-01 | 0.68 | 1.14E-01 | 9.99E-01 |
| 205432\_at | *OVGP1* | 0.94 | 2.93E-01 | 8.68E-01 | 0.92 | 4.29E-01 | 1.00E+00 | 0.96 | 5.40E-01 | 8.34E-01 | 1.02 | 8.06E-01 | 9.99E-01 |
| 210094\_s\_at | *PARD3* | 1.06 | 4.18E-01 | 9.14E-01 | 0.99 | 8.83E-01 | 1.00E+00 | 1.08 | 3.27E-01 | 7.06E-01 | 1.03 | 7.49E-01 | 9.99E-01 |
| 221280\_s\_at | *PARD3* | 1.02 | 6.66E-01 | 9.61E-01 | 1.21 | 6.57E-02 | 1.00E+00 | 1.00 | 9.71E-01 | 9.92E-01 | 1.13 | 7.65E-02 | 9.99E-01 |
| 221526\_x\_at | *PARD3* | 1.05 | 4.32E-01 | 9.17E-01 | 1.00 | 9.63E-01 | 1.00E+00 | 1.06 | 4.31E-01 | 7.77E-01 | 1.01 | 9.10E-01 | 9.99E-01 |
| 221527\_s\_at | *PARD3* | 0.89 | 1.12E-01 | 7.38E-01 | 1.01 | 9.69E-01 | 1.00E+00 | 1.04 | 5.56E-01 | 8.40E-01 | 1.00 | 9.94E-01 | 1.00E+00 |
| 205724\_at | *PKP1* | 0.99 | 8.65E-01 | 9.86E-01 | 1.06 | 6.57E-01 | 1.00E+00 | 0.87 | 3.12E-02 | 3.03E-01 | 0.92 | 3.28E-01 | 9.99E-01 |
| 221854\_at | *PKP1* | 1.00 | 9.52E-01 | 9.96E-01 | 0.89 | 1.88E-01 | 1.00E+00 | 1.05 | 4.23E-01 | 7.73E-01 | 1.12 | 3.92E-01 | 9.99E-01 |
| 207717\_s\_at | *PKP2* | 0.82 | 4.98E-02 | 6.17E-01 | 0.90 | 4.08E-01 | 1.00E+00 | 1.32 | 6.45E-03 | 1.89E-01 | 0.85 | 2.49E-01 | 9.99E-01 |
| 214154\_s\_at | *PKP2* | 1.02 | 8.86E-01 | 9.89E-01 | 1.15 | 5.59E-01 | 1.00E+00 | 0.96 | 6.61E-01 | 8.88E-01 | 0.82 | 2.99E-01 | 9.99E-01 |
| 209872\_s\_at | *PKP3* | 1.09 | 4.76E-01 | 9.27E-01 | 1.01 | 9.63E-01 | 1.00E+00 | 0.99 | 8.82E-01 | 9.65E-01 | 0.83 | 3.86E-01 | 9.99E-01 |
| 209873\_s\_at | *PKP3* | 1.12 | 1.62E-01 | 7.87E-01 | 0.91 | 3.97E-01 | 1.00E+00 | 1.07 | 4.29E-01 | 7.76E-01 | 1.00 | 9.78E-01 | 9.99E-01 |
| 201927\_s\_at | *PKP4* | 1.10 | 2.05E-01 | 8.19E-01 | 0.84 | 2.25E-01 | 1.00E+00 | 1.01 | 9.40E-01 | 9.82E-01 | 0.89 | 4.24E-01 | 9.99E-01 |
| 201928\_at | *PKP4* | 1.06 | 4.26E-01 | 9.16E-01 | 0.94 | 6.60E-01 | 1.00E+00 | 1.17 | 2.82E-02 | 2.95E-01 | 1.03 | 7.10E-01 | 9.99E-01 |
| 201929\_s\_at | *PKP4* | 1.10 | 2.67E-01 | 8.56E-01 | 0.86 | 3.84E-01 | 1.00E+00 | 1.07 | 2.15E-01 | 6.05E-01 | 1.04 | 6.50E-01 | 9.99E-01 |
| 214874\_at | *PKP4* | 1.03 | 6.58E-01 | 9.60E-01 | 0.90 | 2.06E-01 | 1.00E+00 | 1.07 | 2.77E-01 | 6.64E-01 | 0.97 | 7.44E-01 | 9.99E-01 |
| 201373\_at | *PLEC1* | 1.12 | 2.35E-01 | 8.38E-01 | 0.96 | 7.51E-01 | 1.00E+00 | 0.96 | 5.73E-01 | 8.48E-01 | 0.94 | 4.86E-01 | 9.99E-01 |
| 216971\_s\_at | *PLEC1* | 1.22 | 1.54E-01 | 7.80E-01 | 1.05 | 7.71E-01 | 1.00E+00 | 0.88 | 1.33E-01 | 5.07E-01 | 0.79 | 1.83E-01 | 9.99E-01 |
| 228450\_at | *PLEKHA7* | 0.91 | 3.46E-01 | 8.92E-01 | 0.88 | 4.33E-01 | 1.00E+00 | 1.03 | 7.31E-01 | 9.17E-01 | 0.93 | 6.59E-01 | 9.99E-01 |
| 203407\_at | *PPL* | 1.16 | 2.48E-01 | 8.45E-01 | 1.31 | 4.33E-02 | 1.00E+00 | 0.93 | 3.58E-01 | 7.28E-01 | 0.79 | 1.66E-01 | 9.99E-01 |
| 204896\_s\_at | *PTGER4* | 1.03 | 7.54E-01 | 9.73E-01 | 1.19 | 2.83E-01 | 1.00E+00 | 1.14 | 1.46E-01 | 5.23E-01 | 1.06 | 6.98E-01 | 9.99E-01 |
| 204897\_at | *PTGER4* | 0.91 | 3.08E-01 | 8.76E-01 | 1.22 | 1.02E-01 | 1.00E+00 | 1.30 | 1.47E-02 | 2.38E-01 | 1.15 | 3.43E-01 | 9.99E-01 |
| 204935\_at | *PTPN2* | 0.97 | 6.22E-01 | 9.55E-01 | 0.96 | 5.77E-01 | 1.00E+00 | 0.89 | 1.02E-01 | 4.57E-01 | 1.00 | 9.74E-01 | 9.99E-01 |
| 213136\_at | *PTPN2* | 1.00 | 9.76E-01 | 9.98E-01 | 0.94 | 5.23E-01 | 1.00E+00 | 0.97 | 5.82E-01 | 8.53E-01 | 0.94 | 5.54E-01 | 9.99E-01 |
| 213137\_s\_at | *PTPN2* | 0.93 | 3.48E-01 | 8.93E-01 | 0.80 | 1.77E-01 | 1.00E+00 | 0.92 | 1.74E-01 | 5.60E-01 | 0.91 | 3.34E-01 | 9.99E-01 |
| 241622\_at | *PTPN2* | 1.03 | 4.65E-01 | 9.24E-01 | 1.02 | 6.31E-01 | 1.00E+00 | 0.96 | 4.34E-01 | 7.78E-01 | 0.94 | 2.15E-01 | 9.99E-01 |
| 241623\_at | *PTPN2* | 1.00 | 9.89E-01 | 9.99E-01 | 1.13 | 3.22E-01 | 1.00E+00 | 0.94 | 2.30E-01 | 6.20E-01 | 1.03 | 6.45E-01 | 9.99E-01 |
| 241983\_at | *PTPN2* | 1.07 | 1.69E-01 | 7.93E-01 | 1.08 | 2.71E-01 | 1.00E+00 | 1.02 | 6.43E-01 | 8.80E-01 | 0.99 | 9.10E-01 | 9.99E-01 |
| 223969\_s\_at | *RETNLB* | 0.52 | 6.19E-02 | 6.48E-01 | 1.47 | 1.45E-01 | 1.00E+00 | 1.87 | 9.23E-03 | 2.10E-01 | 1.75 | 2.64E-03 | 9.99E-01 |
| 223970\_at | *RETNLB* | 0.61 | 9.48E-02 | 7.10E-01 | 1.44 | 2.10E-01 | 1.00E+00 | 1.55 | 3.28E-02 | 3.06E-01 | 1.43 | 5.01E-02 | 9.99E-01 |
| 1555814\_a\_at | *RHOA* | 1.14 | 2.01E-01 | 8.17E-01 | 1.04 | 8.15E-01 | 1.00E+00 | 0.87 | 2.19E-03 | 1.40E-01 | 0.89 | 6.50E-02 | 9.99E-01 |
| 200059\_s\_at | *RHOA* | 1.06 | 1.05E-01 | 7.28E-01 | 1.01 | 9.16E-01 | 1.00E+00 | 0.92 | 4.03E-02 | 3.28E-01 | 0.95 | 2.85E-01 | 9.99E-01 |
| 240337\_at | *RHOA* | 1.03 | 4.63E-01 | 9.24E-01 | 0.93 | 2.05E-01 | 1.00E+00 | 0.98 | 6.50E-01 | 8.83E-01 | 1.03 | 5.97E-01 | 9.99E-01 |
| 213044\_at | *ROCK1* | 1.03 | 6.17E-01 | 9.53E-01 | 1.02 | 8.63E-01 | 1.00E+00 | 0.99 | 9.40E-01 | 9.82E-01 | 0.91 | 2.27E-01 | 9.99E-01 |
| 214578\_s\_at | *ROCK1* | 1.09 | 2.63E-01 | 8.53E-01 | 0.90 | 4.81E-01 | 1.00E+00 | 0.92 | 4.12E-02 | 3.30E-01 | 0.90 | 1.46E-01 | 9.99E-01 |
| 230239\_at | *ROCK1* | 1.03 | 4.48E-01 | 9.20E-01 | 0.98 | 7.75E-01 | 1.00E+00 | 0.95 | 1.54E-01 | 5.35E-01 | 1.09 | 1.73E-01 | 9.99E-01 |
| 235854\_x\_at | *ROCK1* | 1.02 | 6.92E-01 | 9.65E-01 | 1.07 | 5.49E-01 | 1.00E+00 | 0.95 | 1.85E-01 | 5.72E-01 | 1.05 | 5.45E-01 | 9.99E-01 |
| 202762\_at | *ROCK2* | 0.96 | 5.78E-01 | 9.47E-01 | 0.89 | 1.93E-01 | 1.00E+00 | 1.16 | 3.33E-02 | 3.09E-01 | 1.02 | 7.38E-01 | 9.99E-01 |
| 211504\_x\_at | *ROCK2* | 1.02 | 7.60E-01 | 9.74E-01 | 0.94 | 5.14E-01 | 1.00E+00 | 1.00 | 9.64E-01 | 9.90E-01 | 0.89 | 2.21E-01 | 9.99E-01 |
| 1554595\_at | *SYMPK* | 1.02 | 8.43E-01 | 9.84E-01 | 1.06 | 6.04E-01 | 1.00E+00 | 1.14 | 9.95E-03 | 2.13E-01 | 1.16 | 4.22E-02 | 9.99E-01 |
| 202339\_at | *SYMPK* | 1.11 | 4.22E-02 | 5.89E-01 | 0.97 | 7.57E-01 | 1.00E+00 | 1.03 | 5.32E-01 | 8.30E-01 | 0.95 | 5.31E-01 | 9.99E-01 |
| 32402\_s\_at | *SYMPK* | 1.10 | 1.02E-01 | 7.24E-01 | 1.04 | 6.97E-01 | 1.00E+00 | 1.01 | 8.03E-01 | 9.41E-01 | 1.06 | 2.78E-01 | 9.99E-01 |
| 203753\_at | *TCF4* | 1.22 | 3.18E-01 | 8.81E-01 | 1.21 | 5.60E-01 | 1.00E+00 | 0.73 | 2.15E-01 | 6.05E-01 | 0.87 | 6.23E-01 | 9.99E-01 |
| 212382\_at | *TCF4* | 1.20 | 2.74E-01 | 8.59E-01 | 1.06 | 8.07E-01 | 1.00E+00 | 0.76 | 1.75E-01 | 5.62E-01 | 0.90 | 7.00E-01 | 9.99E-01 |
| 212385\_at | *TCF4* | 1.16 | 4.35E-01 | 9.18E-01 | 1.20 | 3.64E-01 | 1.00E+00 | 0.72 | 1.32E-01 | 5.04E-01 | 0.78 | 3.50E-01 | 9.99E-01 |
| 212386\_at | *TCF4* | 1.24 | 2.49E-01 | 8.45E-01 | 1.13 | 6.57E-01 | 1.00E+00 | 0.76 | 1.86E-01 | 5.73E-01 | 0.85 | 5.52E-01 | 9.99E-01 |
| 212387\_at | *TCF4* | 1.22 | 2.41E-01 | 8.42E-01 | 1.25 | 3.57E-01 | 1.00E+00 | 0.76 | 2.12E-01 | 6.02E-01 | 0.91 | 7.56E-01 | 9.99E-01 |
| 213891\_s\_at | *TCF4* | 1.27 | 2.12E-01 | 8.24E-01 | 1.16 | 5.83E-01 | 1.00E+00 | 0.73 | 1.69E-01 | 5.53E-01 | 0.91 | 7.28E-01 | 9.99E-01 |
| 222146\_s\_at | *TCF4* | 1.29 | 2.40E-01 | 8.42E-01 | 1.08 | 7.90E-01 | 1.00E+00 | 0.69 | 1.30E-01 | 5.02E-01 | 0.75 | 3.96E-01 | 9.99E-01 |
| 228837\_at | *TCF4* | 1.04 | 6.72E-01 | 9.61E-01 | 1.13 | 1.70E-01 | 1.00E+00 | 0.88 | 2.26E-01 | 6.15E-01 | 1.18 | 4.27E-01 | 9.99E-01 |
| 205009\_at | *TFF1* | 1.59 | 1.42E-03 | 2.00E-01 | 1.10 | 7.42E-01 | 1.00E+00 | 0.78 | 1.42E-02 | 2.34E-01 | 0.71 | 1.20E-01 | 9.99E-01 |
| 214476\_at | *TFF2* | 1.48 | 7.64E-02 | 6.83E-01 | 0.83 | 3.32E-01 | 1.00E+00 | 0.61 | 9.32E-03 | 2.10E-01 | 0.72 | 2.89E-01 | 9.99E-01 |
| 204623\_at | *TFF3* | 0.88 | 2.23E-01 | 8.31E-01 | 1.22 | 1.34E-01 | 1.00E+00 | 1.05 | 6.84E-01 | 8.98E-01 | 0.93 | 6.24E-01 | 9.99E-01 |
| 202011\_at | *TJP1* | 0.98 | 6.23E-01 | 9.55E-01 | 0.92 | 4.74E-01 | 1.00E+00 | 1.08 | 1.13E-01 | 4.76E-01 | 0.88 | 2.88E-02 | 9.99E-01 |
| 214168\_s\_at | *TJP1* | 1.10 | 2.81E-01 | 8.62E-01 | 0.80 | 9.78E-02 | 1.00E+00 | 0.98 | 7.70E-01 | 9.30E-01 | 0.89 | 1.56E-01 | 9.99E-01 |
| 202085\_at | *TJP2* | 0.96 | 5.88E-01 | 9.49E-01 | 0.95 | 5.85E-01 | 1.00E+00 | 1.13 | 1.24E-01 | 4.93E-01 | 0.87 | 2.91E-01 | 9.99E-01 |
| 232017\_at | *TJP2* | 0.88 | 3.04E-01 | 8.73E-01 | 0.85 | 4.48E-01 | 1.00E+00 | 1.27 | 1.19E-02 | 2.24E-01 | 1.00 | 9.55E-01 | 9.99E-01 |
| 237132\_at | *TJP2* | 1.00 | 9.90E-01 | 9.99E-01 | 0.97 | 7.73E-01 | 1.00E+00 | 0.99 | 8.43E-01 | 9.54E-01 | 0.98 | 8.64E-01 | 9.99E-01 |
| 242991\_at | *TJP2* | 0.97 | 4.19E-01 | 9.15E-01 | 1.01 | 7.97E-01 | 1.00E+00 | 0.99 | 8.02E-01 | 9.40E-01 | 0.97 | 4.85E-01 | 9.99E-01 |
| 213412\_at | *TJP3* | 0.93 | 4.32E-01 | 9.17E-01 | 0.88 | 3.42E-01 | 1.00E+00 | 1.08 | 4.12E-01 | 7.66E-01 | 0.84 | 2.70E-01 | 9.99E-01 |
| 35148\_at | *TJP3* | 0.92 | 3.97E-01 | 9.08E-01 | 0.90 | 4.02E-01 | 1.00E+00 | 1.10 | 4.00E-01 | 7.57E-01 | 0.92 | 5.67E-01 | 9.99E-01 |
| 204253\_s\_at | *VDR* | 0.96 | 4.98E-01 | 9.30E-01 | 0.99 | 8.87E-01 | 1.00E+00 | 0.98 | 6.31E-01 | 8.75E-01 | 0.98 | 8.00E-01 | 9.99E-01 |
| 204254\_s\_at | *VDR* | 0.80 | 9.49E-03 | 3.76E-01 | 0.89 | 5.66E-02 | 1.00E+00 | 1.25 | 1.37E-02 | 2.33E-01 | 1.09 | 2.37E-01 | 9.99E-01 |
| 204255\_s\_at | *VDR* | 0.90 | 2.20E-01 | 8.30E-01 | 0.91 | 2.54E-01 | 1.00E+00 | 1.14 | 8.73E-02 | 4.30E-01 | 1.05 | 5.56E-01 | 9.99E-01 |
| 213692\_s\_at | *VDR* | 0.98 | 6.60E-01 | 9.60E-01 | 1.09 | 2.77E-01 | 1.00E+00 | 1.03 | 3.59E-01 | 7.29E-01 | 0.97 | 6.71E-01 | 9.99E-01 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Probeset ID** | **Gene symbol** | **IBDc NR after therapy (n=23) versus  IBDc NR before therapy (n=23)** | | | **CDi NR after therapy (n=10)  versus**  **CDi NR before therapy (n=10)** | | | **UC R before therapy (n=8)  versus  UC NR before therapy (n=16)** | | | **CDc R before therapy (n=12) versus  CDc NR before therapy (n=7)** | | |
|
|
| **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** | **FC** | **P** | **FDR** |
| 209521\_s\_at | *AMOT* | 0.99 | 7.12E-01 | 9.11E-01 | 0.96 | 4.84E-01 | 8.98E-01 | 0.99 | 9.17E-01 | 9.75E-01 | 1.21 | 9.48E-03 | 1.71E-01 |
| 225450\_at | *AMOTL1* | 0.89 | 2.67E-01 | 6.47E-01 | 1.02 | 8.78E-01 | 9.85E-01 | 0.68 | 4.94E-03 | 2.08E-01 | 0.62 | 5.65E-03 | 1.28E-01 |
| 225459\_at | *AMOTL1* | 0.87 | 6.26E-03 | 1.53E-01 | 1.07 | 3.44E-01 | 8.48E-01 | 0.85 | 2.75E-02 | 3.22E-01 | 0.81 | 6.79E-04 | 3.59E-02 |
| 228840\_at | *AMOTL1* | 0.95 | 2.42E-01 | 6.23E-01 | 0.96 | 7.07E-01 | 9.53E-01 | 1.02 | 7.52E-01 | 9.18E-01 | 1.02 | 8.50E-01 | 9.57E-01 |
| 235277\_at | *AMOTL1* | 0.99 | 7.14E-01 | 9.12E-01 | 0.97 | 6.69E-01 | 9.46E-01 | 1.08 | 1.19E-01 | 5.01E-01 | 0.91 | 1.10E-01 | 5.17E-01 |
| 203002\_at | *AMOTL2* | 0.82 | 6.05E-02 | 3.63E-01 | 1.20 | 2.09E-02 | 5.04E-01 | 0.70 | 1.32E-02 | 2.59E-01 | 0.72 | 1.05E-02 | 1.80E-01 |
| 201130\_s\_at | *CDH1* | 0.84 | 2.57E-01 | 6.38E-01 | 0.93 | 7.53E-01 | 9.63E-01 | 1.14 | 5.77E-01 | 8.41E-01 | 0.87 | 7.10E-01 | 9.09E-01 |
| 201131\_s\_at | *CDH1* | 1.04 | 4.68E-01 | 7.93E-01 | 1.02 | 8.45E-01 | 9.79E-01 | 1.19 | 5.94E-02 | 4.04E-01 | 1.10 | 2.35E-01 | 6.59E-01 |
| 223232\_s\_at | *CGN* | 1.04 | 7.33E-01 | 9.19E-01 | 1.25 | 6.55E-02 | 6.36E-01 | 1.40 | 1.03E-01 | 4.81E-01 | 1.51 | 2.93E-02 | 3.03E-01 |
| 223233\_s\_at | *CGN* | 1.06 | 5.22E-01 | 8.22E-01 | 1.04 | 7.03E-01 | 9.52E-01 | 1.39 | 1.78E-02 | 2.83E-01 | 1.31 | 4.74E-02 | 3.77E-01 |
| 1569847\_at | *CGNL1* | 0.98 | 5.57E-01 | 8.42E-01 | 1.01 | 8.50E-01 | 9.80E-01 | 1.02 | 8.05E-01 | 9.38E-01 | 1.16 | 1.02E-02 | 1.77E-01 |
| 225817\_at | *CGNL1* | 1.07 | 1.75E-01 | 5.53E-01 | 0.90 | 3.31E-01 | 8.42E-01 | 0.97 | 8.78E-01 | 9.63E-01 | 1.54 | 1.25E-02 | 1.98E-01 |
| 218182\_s\_at | *CLDN1* | 0.74 | 3.35E-03 | 1.22E-01 | 0.83 | 5.38E-02 | 6.11E-01 | 0.89 | 4.89E-01 | 7.96E-01 | 0.68 | 5.57E-02 | 4.01E-01 |
| 222549\_at | *CLDN1* | 0.73 | 1.50E-02 | 2.11E-01 | 0.56 | 2.31E-03 | 2.57E-01 | 0.75 | 2.16E-01 | 6.05E-01 | 0.75 | 2.58E-01 | 6.79E-01 |
| 1556687\_a\_at | *CLDN10* | 0.99 | 6.44E-01 | 8.82E-01 | 0.89 | 5.70E-02 | 6.20E-01 | 1.02 | 6.60E-01 | 8.79E-01 | 1.01 | 8.01E-01 | 9.41E-01 |
| 205328\_at | *CLDN10* | 0.93 | 3.54E-02 | 2.95E-01 | 1.17 | 3.31E-02 | 5.56E-01 | 1.03 | 6.31E-01 | 8.66E-01 | 1.02 | 8.25E-01 | 9.49E-01 |
| 206908\_s\_at | *CLDN11* | 0.98 | 6.99E-01 | 9.06E-01 | 0.99 | 9.08E-01 | 9.89E-01 | 1.15 | 4.56E-02 | 3.74E-01 | 1.02 | 7.79E-01 | 9.34E-01 |
| 228335\_at | *CLDN11* | 0.95 | 5.79E-01 | 8.54E-01 | 1.00 | 9.81E-01 | 9.98E-01 | 0.70 | 6.09E-03 | 2.15E-01 | 0.56 | 1.41E-03 | 5.57E-02 |
| 223249\_at | *CLDN12* | 1.02 | 7.42E-01 | 9.23E-01 | 0.83 | 8.33E-02 | 6.66E-01 | 1.07 | 5.77E-01 | 8.41E-01 | 1.00 | 9.90E-01 | 9.97E-01 |
| 210689\_at | *CLDN14* | 0.88 | 1.89E-02 | 2.31E-01 | 1.01 | 8.38E-01 | 9.78E-01 | 0.95 | 5.96E-01 | 8.50E-01 | 1.02 | 8.40E-01 | 9.54E-01 |
| 1552845\_at | *CLDN15* | 0.96 | 3.44E-01 | 7.12E-01 | 1.48 | 3.56E-03 | 3.04E-01 | 1.06 | 4.34E-01 | 7.62E-01 | 1.16 | 2.47E-01 | 6.69E-01 |
| 219640\_at | *CLDN15* | 1.05 | 3.84E-01 | 7.41E-01 | 1.31 | 2.69E-02 | 5.26E-01 | 1.03 | 7.24E-01 | 9.06E-01 | 1.02 | 8.34E-01 | 9.52E-01 |
| 220332\_at | *CLDN16* | 1.08 | 3.15E-02 | 2.82E-01 | 0.95 | 5.05E-01 | 9.04E-01 | 1.21 | 2.09E-02 | 2.97E-01 | 1.01 | 9.04E-01 | 9.74E-01 |
| 221328\_at | *CLDN17* | 0.99 | 7.75E-01 | 9.35E-01 | 1.09 | 2.45E-01 | 8.01E-01 | 1.04 | 5.95E-01 | 8.49E-01 | 1.15 | 4.02E-02 | 3.53E-01 |
| 214135\_at | *CLDN18* | 0.79 | 9.36E-02 | 4.31E-01 | 0.57 | 3.57E-02 | 5.66E-01 | 1.14 | 6.64E-01 | 8.81E-01 | 0.57 | 2.09E-01 | 6.35E-01 |
| 221132\_at | *CLDN18* | 0.86 | 1.40E-01 | 5.05E-01 | 0.68 | 1.73E-02 | 4.83E-01 | 0.96 | 7.72E-01 | 9.26E-01 | 0.66 | 1.91E-01 | 6.18E-01 |
| 221133\_s\_at | *CLDN18* | 0.86 | 1.93E-01 | 5.75E-01 | 0.68 | 5.31E-03 | 3.45E-01 | 1.05 | 7.73E-01 | 9.26E-01 | 0.68 | 2.63E-01 | 6.82E-01 |
| 232578\_at | *CLDN18* | 0.75 | 7.66E-02 | 3.98E-01 | 0.45 | 1.84E-02 | 4.91E-01 | 0.98 | 9.57E-01 | 9.87E-01 | 0.49 | 1.50E-01 | 5.73E-01 |
| 1552535\_at | *CLDN19* | 0.95 | 9.64E-02 | 4.35E-01 | 0.93 | 3.36E-01 | 8.45E-01 | 1.02 | 6.84E-01 | 8.89E-01 | 1.13 | 1.07E-01 | 5.13E-01 |
| 1554804\_a\_at | *CLDN19* | 1.01 | 8.07E-01 | 9.46E-01 | 1.06 | 3.64E-01 | 8.55E-01 | 1.10 | 1.91E-01 | 5.82E-01 | 1.10 | 3.41E-01 | 7.33E-01 |
| 1554805\_at | *CLDN19* | 1.07 | 7.42E-02 | 3.94E-01 | 0.99 | 8.75E-01 | 9.84E-01 | 1.18 | 6.67E-02 | 4.20E-01 | 1.01 | 8.82E-01 | 9.67E-01 |
| 223509\_at | *CLDN2* | 0.90 | 3.62E-01 | 7.26E-01 | 0.99 | 9.22E-01 | 9.90E-01 | 1.05 | 7.94E-01 | 9.34E-01 | 0.77 | 2.06E-01 | 6.33E-01 |
| 1554812\_at | *CLDN20* | 1.02 | 5.08E-01 | 8.15E-01 | 0.92 | 1.31E-01 | 7.17E-01 | 1.05 | 3.47E-01 | 7.06E-01 | 1.05 | 4.61E-01 | 8.02E-01 |
| 222738\_at | *CLDN22* | 0.93 | 1.60E-01 | 5.32E-01 | 0.91 | 1.35E-01 | 7.21E-01 | 0.91 | 2.57E-01 | 6.42E-01 | 0.80 | 1.17E-02 | 1.91E-01 |
| 228704\_s\_at | *CLDN23* | 0.98 | 7.51E-01 | 9.26E-01 | 0.96 | 5.88E-01 | 9.26E-01 | 1.11 | 1.71E-01 | 5.63E-01 | 1.23 | 4.35E-02 | 3.64E-01 |
| 228706\_s\_at | *CLDN23* | 1.22 | 9.19E-02 | 4.27E-01 | 1.03 | 8.42E-01 | 9.78E-01 | 1.42 | 7.38E-02 | 4.30E-01 | 1.40 | 1.61E-01 | 5.86E-01 |
| 228707\_at | *CLDN23* | 1.15 | 2.21E-01 | 6.03E-01 | 1.04 | 7.63E-01 | 9.64E-01 | 1.54 | 1.03E-02 | 2.43E-01 | 1.35 | 1.23E-01 | 5.36E-01 |
| 203953\_s\_at | *CLDN3* | 1.10 | 4.07E-01 | 7.56E-01 | 0.78 | 2.75E-01 | 8.14E-01 | 1.44 | 1.47E-02 | 2.68E-01 | 1.15 | 3.86E-01 | 7.61E-01 |
| 203954\_x\_at | *CLDN3* | 1.13 | 2.00E-01 | 5.81E-01 | 0.93 | 5.66E-01 | 9.22E-01 | 1.34 | 2.50E-02 | 3.14E-01 | 1.23 | 1.18E-01 | 5.28E-01 |
| 1569421\_at | *CLDN4* | 1.09 | 4.80E-03 | 1.39E-01 | 1.08 | 2.17E-01 | 7.83E-01 | 1.11 | 1.38E-01 | 5.26E-01 | 1.20 | 6.81E-02 | 4.34E-01 |
| 201428\_at | *CLDN4* | 1.10 | 2.14E-01 | 5.96E-01 | 0.89 | 4.13E-01 | 8.76E-01 | 1.23 | 1.14E-01 | 4.95E-01 | 1.09 | 5.94E-01 | 8.66E-01 |
| 204482\_at | *CLDN5* | 0.99 | 9.03E-01 | 9.75E-01 | 1.04 | 6.71E-01 | 9.46E-01 | 0.92 | 4.96E-01 | 7.99E-01 | 0.80 | 3.05E-02 | 3.09E-01 |
| 208474\_at | *CLDN6* | 1.03 | 5.93E-01 | 8.60E-01 | 0.98 | 7.22E-01 | 9.57E-01 | 1.04 | 6.22E-01 | 8.62E-01 | 1.01 | 8.49E-01 | 9.57E-01 |
| 237810\_at | *CLDN6* | 0.97 | 4.58E-01 | 7.87E-01 | 1.00 | 9.66E-01 | 9.96E-01 | 1.09 | 1.51E-01 | 5.41E-01 | 1.05 | 4.99E-01 | 8.22E-01 |
| 202790\_at | *CLDN7* | 1.06 | 5.12E-01 | 8.18E-01 | 0.98 | 8.21E-01 | 9.76E-01 | 1.35 | 8.97E-03 | 2.33E-01 | 1.23 | 9.85E-02 | 4.99E-01 |
| 214598\_at | *CLDN8* | 1.64 | 9.05E-02 | 4.24E-01 | 0.97 | 7.79E-01 | 9.68E-01 | 1.70 | 1.76E-01 | 5.68E-01 | 4.09 | 3.98E-02 | 3.51E-01 |
| 214635\_at | *CLDN9* | 1.02 | 6.60E-01 | 8.89E-01 | 1.07 | 3.32E-01 | 8.43E-01 | 1.20 | 3.25E-02 | 3.36E-01 | 1.08 | 3.12E-01 | 7.15E-01 |
| 1558214\_s\_at | *CTNNA1* | 0.80 | 5.22E-02 | 3.43E-01 | 0.88 | 6.30E-01 | 9.37E-01 | 1.03 | 8.99E-01 | 9.70E-01 | 0.79 | 4.08E-01 | 7.74E-01 |
| 200764\_s\_at | *CTNNA1* | 0.98 | 6.58E-01 | 8.88E-01 | 0.88 | 3.13E-01 | 8.33E-01 | 1.11 | 2.58E-01 | 6.43E-01 | 1.09 | 3.15E-01 | 7.17E-01 |
| 200765\_x\_at | *CTNNA1* | 0.97 | 6.02E-01 | 8.64E-01 | 0.92 | 1.94E-01 | 7.68E-01 | 1.11 | 2.80E-01 | 6.60E-01 | 1.10 | 1.97E-01 | 6.25E-01 |
| 210844\_x\_at | *CTNNA1* | 0.98 | 7.49E-01 | 9.26E-01 | 0.95 | 5.34E-01 | 9.12E-01 | 1.13 | 2.14E-01 | 6.03E-01 | 1.08 | 3.41E-01 | 7.33E-01 |
| 215883\_at | *CTNNA1* | 1.02 | 5.15E-01 | 8.19E-01 | 1.08 | 4.79E-01 | 8.97E-01 | 1.10 | 1.69E-01 | 5.60E-01 | 1.12 | 4.46E-01 | 7.95E-01 |
| 1554411\_at | *CTNNB1* | 0.84 | 8.25E-02 | 4.10E-01 | 0.95 | 5.88E-01 | 9.26E-01 | 0.94 | 8.25E-01 | 9.45E-01 | 1.10 | 8.03E-01 | 9.41E-01 |
| 201533\_at | *CTNNB1* | 1.04 | 4.84E-01 | 8.02E-01 | 0.93 | 6.26E-01 | 9.36E-01 | 1.04 | 7.41E-01 | 9.14E-01 | 1.03 | 8.50E-01 | 9.57E-01 |
| 223679\_at | *CTNNB1* | 1.28 | 4.08E-03 | 1.32E-01 | 1.17 | 4.72E-02 | 5.94E-01 | 1.14 | 3.21E-01 | 6.89E-01 | 1.20 | 2.65E-01 | 6.84E-01 |
| 1557944\_s\_at | *CTNND1* | 1.03 | 6.86E-01 | 9.00E-01 | 1.02 | 8.62E-01 | 9.82E-01 | 1.11 | 3.51E-01 | 7.10E-01 | 1.28 | 3.40E-02 | 3.26E-01 |
| 208407\_s\_at | *CTNND1* | 1.18 | 5.26E-02 | 3.44E-01 | 1.03 | 6.81E-01 | 9.49E-01 | 1.19 | 9.16E-02 | 4.63E-01 | 1.26 | 1.15E-03 | 4.90E-02 |
| 208862\_s\_at | *CTNND1* | 1.11 | 1.25E-01 | 4.84E-01 | 1.10 | 2.49E-01 | 8.02E-01 | 1.30 | 1.67E-02 | 2.79E-01 | 1.27 | 5.87E-03 | 1.31E-01 |
| 211240\_x\_at | *CTNND1* | 1.10 | 1.28E-01 | 4.88E-01 | 1.08 | 2.71E-01 | 8.12E-01 | 1.26 | 1.74E-02 | 2.80E-01 | 1.24 | 1.75E-02 | 2.36E-01 |
| 1555716\_a\_at | *CXADR* | 0.84 | 7.00E-02 | 3.85E-01 | 1.04 | 7.89E-01 | 9.70E-01 | 1.12 | 5.40E-01 | 8.22E-01 | 0.94 | 8.10E-01 | 9.44E-01 |
| 203917\_at | *CXADR* | 1.04 | 6.30E-01 | 8.76E-01 | 1.04 | 6.39E-01 | 9.40E-01 | 1.31 | 9.85E-02 | 4.73E-01 | 1.23 | 4.37E-02 | 3.64E-01 |
| 207324\_s\_at | *DSC1* | 1.01 | 6.73E-01 | 8.95E-01 | 0.97 | 6.18E-01 | 9.33E-01 | 1.03 | 5.46E-01 | 8.25E-01 | 1.04 | 6.21E-01 | 8.76E-01 |
| 204750\_s\_at | *DSC2* | 0.96 | 6.84E-01 | 8.99E-01 | 1.22 | 8.80E-02 | 6.73E-01 | 1.10 | 5.68E-01 | 8.37E-01 | 1.26 | 1.76E-01 | 6.03E-01 |
| 204751\_x\_at | *DSC2* | 1.02 | 8.13E-01 | 9.48E-01 | 1.02 | 8.92E-01 | 9.86E-01 | 1.13 | 4.63E-01 | 7.80E-01 | 1.05 | 8.09E-01 | 9.44E-01 |
| 226817\_at | *DSC2* | 1.09 | 2.59E-01 | 6.40E-01 | 1.07 | 3.58E-01 | 8.52E-01 | 1.15 | 2.63E-01 | 6.47E-01 | 1.22 | 5.46E-02 | 3.99E-01 |
| 206032\_at | *DSC3* | 1.00 | 9.94E-01 | 9.98E-01 | 0.98 | 6.75E-01 | 9.48E-01 | 1.07 | 2.52E-01 | 6.37E-01 | 1.00 | 9.41E-01 | 9.84E-01 |
| 206033\_s\_at | *DSC3* | 0.98 | 6.27E-01 | 8.75E-01 | 0.99 | 9.09E-01 | 9.89E-01 | 0.96 | 3.92E-01 | 7.35E-01 | 0.97 | 6.32E-01 | 8.81E-01 |
| 206642\_at | *DSG1* | 0.96 | 1.22E-01 | 4.79E-01 | 0.95 | 2.73E-01 | 8.13E-01 | 0.96 | 4.29E-01 | 7.60E-01 | 1.01 | 9.12E-01 | 9.76E-01 |
| 1553105\_s\_at | *DSG2* | 0.99 | 9.43E-01 | 9.85E-01 | 0.83 | 3.45E-01 | 8.48E-01 | 1.17 | 2.76E-01 | 6.56E-01 | 1.24 | 1.54E-01 | 5.77E-01 |
| 217901\_at | *DSG2* | 1.05 | 5.23E-01 | 8.23E-01 | 0.94 | 5.79E-01 | 9.24E-01 | 1.20 | 1.55E-01 | 5.45E-01 | 1.17 | 5.63E-02 | 4.03E-01 |
| 205595\_at | *DSG3* | 0.61 | 8.87E-03 | 1.73E-01 | 0.88 | 3.43E-01 | 8.48E-01 | 0.78 | 5.67E-01 | 8.36E-01 | 0.38 | 1.12E-02 | 1.85E-01 |
| 235075\_at | *DSG3* | 0.58 | 1.25E-02 | 1.94E-01 | 0.96 | 8.19E-01 | 9.75E-01 | 0.65 | 4.38E-01 | 7.65E-01 | 0.24 | 3.65E-03 | 9.98E-02 |
| 1561330\_at | *DSG4* | 1.02 | 6.86E-01 | 9.00E-01 | 1.03 | 7.22E-01 | 9.57E-01 | 1.03 | 6.69E-01 | 8.83E-01 | 1.04 | 5.37E-01 | 8.40E-01 |
| 200606\_at | *DSP* | 1.15 | 7.94E-02 | 4.03E-01 | 0.97 | 6.80E-01 | 9.49E-01 | 1.25 | 3.12E-02 | 3.32E-01 | 1.29 | 4.33E-03 | 1.10E-01 |
| 215810\_x\_at | *DST* | 1.04 | 2.30E-01 | 6.12E-01 | 0.97 | 6.03E-01 | 9.30E-01 | 0.99 | 8.51E-01 | 9.54E-01 | 1.02 | 8.07E-01 | 9.43E-01 |
| 215814\_at | *DST* | 1.04 | 2.35E-01 | 6.17E-01 | 1.08 | 2.43E-01 | 8.01E-01 | 1.06 | 3.22E-01 | 6.89E-01 | 1.05 | 4.93E-01 | 8.19E-01 |
| 220154\_at | *DST* | 0.99 | 8.56E-01 | 9.62E-01 | 0.96 | 6.04E-01 | 9.31E-01 | 1.02 | 8.28E-01 | 9.46E-01 | 1.03 | 8.04E-01 | 9.42E-01 |
| 209365\_s\_at | *ECM1* | 0.85 | 8.02E-02 | 4.05E-01 | 0.81 | 3.40E-02 | 5.58E-01 | 0.74 | 4.93E-02 | 3.83E-01 | 0.59 | 8.40E-04 | 4.05E-02 |
| 219436\_s\_at | *EMCN* | 0.99 | 9.70E-01 | 9.93E-01 | 1.02 | 8.80E-01 | 9.85E-01 | 0.72 | 9.87E-02 | 4.74E-01 | 0.57 | 2.73E-02 | 2.92E-01 |
| 222885\_at | *EMCN* | 0.99 | 9.53E-01 | 9.88E-01 | 0.93 | 5.29E-01 | 9.10E-01 | 0.71 | 8.16E-02 | 4.46E-01 | 0.53 | 1.43E-02 | 2.14E-01 |
| 227874\_at | *EMCN* | 1.20 | 2.41E-01 | 6.22E-01 | 1.12 | 4.52E-01 | 8.88E-01 | 0.86 | 3.86E-01 | 7.32E-01 | 0.56 | 3.01E-02 | 3.07E-01 |
| 222354\_at | *F11R* | 1.06 | 3.38E-01 | 7.07E-01 | 1.21 | 2.72E-02 | 5.27E-01 | 1.39 | 2.55E-02 | 3.16E-01 | 1.12 | 3.02E-01 | 7.08E-01 |
| 223000\_s\_at | *F11R* | 1.04 | 4.25E-01 | 7.66E-01 | 0.98 | 8.59E-01 | 9.82E-01 | 1.17 | 6.19E-02 | 4.10E-01 | 1.04 | 7.03E-01 | 9.06E-01 |
| 224097\_s\_at | *F11R* | 0.95 | 4.48E-01 | 7.80E-01 | 0.94 | 5.79E-01 | 9.24E-01 | 1.10 | 4.84E-01 | 7.92E-01 | 1.06 | 7.42E-01 | 9.20E-01 |
| 221664\_s\_at | *F11R* | 0.97 | 6.20E-01 | 8.72E-01 | 0.98 | 7.72E-01 | 9.66E-01 | 1.16 | 1.45E-01 | 5.35E-01 | 1.09 | 3.60E-01 | 7.45E-01 |
| 206795\_at | *F2RL2* | 0.97 | 4.16E-01 | 7.61E-01 | 0.95 | 4.74E-01 | 8.95E-01 | 0.93 | 1.44E-01 | 5.34E-01 | 1.04 | 5.02E-01 | 8.24E-01 |
| 230147\_at | *F2RL2* | 1.00 | 9.78E-01 | 9.95E-01 | 0.83 | 7.84E-02 | 6.58E-01 | 0.87 | 3.38E-01 | 6.99E-01 | 0.86 | 3.80E-01 | 7.57E-01 |
| 221737\_at | *GNA12* | 0.97 | 6.33E-01 | 8.77E-01 | 1.02 | 7.29E-01 | 9.58E-01 | 0.91 | 1.99E-01 | 5.90E-01 | 0.84 | 5.98E-02 | 4.15E-01 |
| 224681\_at | *GNA12* | 0.90 | 6.03E-02 | 3.63E-01 | 0.96 | 4.35E-01 | 8.82E-01 | 0.87 | 4.89E-02 | 3.82E-01 | 0.73 | 2.06E-03 | 7.06E-02 |
| 231309\_at | *GNA12* | 0.96 | 1.97E-01 | 5.78E-01 | 0.96 | 4.86E-01 | 8.98E-01 | 1.11 | 9.82E-02 | 4.73E-01 | 1.04 | 5.87E-01 | 8.63E-01 |
| 208429\_x\_at | *HNF4A* | 0.98 | 8.00E-01 | 9.44E-01 | 1.08 | 3.69E-01 | 8.58E-01 | 1.07 | 6.14E-01 | 8.58E-01 | 1.09 | 5.76E-01 | 8.58E-01 |
| 214832\_at | *HNF4A* | 1.06 | 2.71E-01 | 6.51E-01 | 1.10 | 6.57E-02 | 6.36E-01 | 1.09 | 3.67E-01 | 7.20E-01 | 1.22 | 3.20E-02 | 3.16E-01 |
| 214851\_at | *HNF4A* | 1.04 | 3.06E-01 | 6.82E-01 | 1.13 | 4.92E-02 | 6.00E-01 | 1.11 | 2.56E-01 | 6.42E-01 | 1.00 | 9.64E-01 | 9.91E-01 |
| 216889\_s\_at | *HNF4A* | 1.05 | 3.33E-01 | 7.02E-01 | 1.02 | 6.88E-01 | 9.49E-01 | 1.10 | 2.99E-01 | 6.72E-01 | 1.10 | 2.67E-01 | 6.86E-01 |
| 230914\_at | *HNF4A* | 1.10 | 3.00E-01 | 6.76E-01 | 1.18 | 3.41E-02 | 5.58E-01 | 1.43 | 1.18E-02 | 2.52E-01 | 1.25 | 6.13E-02 | 4.18E-01 |
| 243027\_at | *IGSF5* | 1.03 | 4.07E-01 | 7.56E-01 | 1.02 | 7.44E-01 | 9.61E-01 | 1.06 | 3.61E-01 | 7.17E-01 | 1.15 | 4.70E-02 | 3.75E-01 |
| 201656\_at | *ITGA6* | 1.11 | 3.25E-02 | 2.85E-01 | 0.94 | 6.11E-01 | 9.32E-01 | 0.97 | 7.68E-01 | 9.24E-01 | 0.96 | 7.66E-01 | 9.28E-01 |
| 215177\_s\_at | *ITGA6* | 1.02 | 8.11E-01 | 9.47E-01 | 0.85 | 2.15E-01 | 7.82E-01 | 1.01 | 9.55E-01 | 9.86E-01 | 0.90 | 6.36E-01 | 8.82E-01 |
| 204989\_s\_at | *ITGB4* | 0.89 | 1.75E-01 | 5.53E-01 | 0.90 | 6.09E-01 | 9.32E-01 | 1.08 | 6.66E-01 | 8.81E-01 | 1.04 | 8.15E-01 | 9.46E-01 |
| 204990\_s\_at | *ITGB4* | 0.92 | 3.19E-01 | 6.92E-01 | 1.03 | 6.96E-01 | 9.51E-01 | 1.23 | 1.60E-01 | 5.51E-01 | 1.13 | 4.15E-01 | 7.79E-01 |
| 211905\_s\_at | *ITGB4* | 0.90 | 1.67E-01 | 5.42E-01 | 0.91 | 5.48E-01 | 9.17E-01 | 0.95 | 8.25E-01 | 9.45E-01 | 0.97 | 8.69E-01 | 9.63E-01 |
| 214292\_at | *ITGB4* | 1.00 | 9.56E-01 | 9.89E-01 | 1.16 | 2.96E-02 | 5.41E-01 | 1.08 | 2.78E-01 | 6.58E-01 | 1.04 | 4.73E-01 | 8.08E-01 |
| 230704\_s\_at | *ITGB4* | 1.05 | 3.90E-01 | 7.44E-01 | 1.18 | 1.05E-02 | 4.28E-01 | 1.18 | 1.53E-02 | 2.71E-01 | 1.15 | 1.42E-01 | 5.61E-01 |
| 219213\_at | *JAM2* | 0.89 | 3.88E-01 | 7.43E-01 | 0.99 | 9.25E-01 | 9.91E-01 | 0.71 | 5.82E-02 | 4.00E-01 | 0.54 | 9.60E-03 | 1.72E-01 |
| 212813\_at | *JAM3* | 0.80 | 1.04E-01 | 4.49E-01 | 0.94 | 5.15E-01 | 9.07E-01 | 0.66 | 3.32E-02 | 3.38E-01 | 0.49 | 1.05E-04 | 1.12E-02 |
| 231720\_s\_at | *JAM3* | 1.00 | 9.54E-01 | 9.89E-01 | 0.90 | 6.34E-02 | 6.32E-01 | 0.91 | 3.16E-01 | 6.85E-01 | 1.05 | 5.83E-01 | 8.62E-01 |
| 231721\_at | *JAM3* | 0.88 | 2.56E-02 | 2.58E-01 | 0.99 | 7.77E-01 | 9.67E-01 | 0.89 | 2.61E-01 | 6.46E-01 | 0.81 | 6.72E-03 | 1.41E-01 |
| 201015\_s\_at | *JUP* | 1.01 | 8.72E-01 | 9.66E-01 | 1.04 | 6.48E-01 | 9.42E-01 | 1.23 | 9.00E-02 | 4.60E-01 | 1.11 | 3.84E-01 | 7.59E-01 |
| 222346\_at | *LAMA1* | 1.04 | 3.02E-01 | 6.78E-01 | 1.03 | 6.52E-01 | 9.42E-01 | 1.14 | 1.16E-01 | 4.96E-01 | 0.97 | 6.23E-01 | 8.77E-01 |
| 227048\_at | *LAMA1* | 1.07 | 6.13E-01 | 8.69E-01 | 1.24 | 3.02E-01 | 8.28E-01 | 1.61 | 8.21E-02 | 4.47E-01 | 1.63 | 2.69E-02 | 2.90E-01 |
| 1560078\_at | *LAMA3* | 1.05 | 1.55E-01 | 5.27E-01 | 1.11 | 1.23E-01 | 7.11E-01 | 1.13 | 4.92E-02 | 3.82E-01 | 1.12 | 1.12E-01 | 5.19E-01 |
| 1563772\_a\_at | *LAMA3* | 0.98 | 6.09E-01 | 8.67E-01 | 1.04 | 5.05E-01 | 9.04E-01 | 1.12 | 1.13E-01 | 4.93E-01 | 0.99 | 8.33E-01 | 9.52E-01 |
| 1568879\_a\_at | *LAMA3* | 1.01 | 7.55E-01 | 9.28E-01 | 0.98 | 7.73E-01 | 9.66E-01 | 1.01 | 8.35E-01 | 9.48E-01 | 1.15 | 1.27E-01 | 5.40E-01 |
| 203726\_s\_at | *LAMA3* | 0.78 | 1.30E-02 | 1.98E-01 | 0.86 | 2.40E-01 | 8.00E-01 | 0.75 | 8.84E-02 | 4.58E-01 | 0.89 | 5.69E-01 | 8.56E-01 |
| 202202\_s\_at | *LAMA4* | 0.82 | 2.63E-01 | 6.44E-01 | 0.86 | 2.01E-01 | 7.72E-01 | 0.61 | 4.91E-02 | 3.82E-01 | 0.39 | 7.64E-04 | 3.83E-02 |
| 210089\_s\_at | *LAMA4* | 0.98 | 6.13E-01 | 8.69E-01 | 0.90 | 2.29E-01 | 7.92E-01 | 0.93 | 5.44E-01 | 8.24E-01 | 0.80 | 2.93E-02 | 3.02E-01 |
| 210989\_at | *LAMA4* | 0.94 | 1.13E-01 | 4.66E-01 | 0.97 | 5.31E-01 | 9.11E-01 | 0.95 | 4.39E-01 | 7.65E-01 | 0.96 | 4.87E-01 | 8.16E-01 |
| 210990\_s\_at | *LAMA4* | 0.88 | 5.42E-03 | 1.46E-01 | 1.01 | 9.22E-01 | 9.90E-01 | 0.96 | 6.16E-01 | 8.59E-01 | 0.87 | 8.85E-02 | 4.79E-01 |
| 210150\_s\_at | *LAMA5* | 0.84 | 2.40E-02 | 2.53E-01 | 0.84 | 3.82E-02 | 5.76E-01 | 0.87 | 2.15E-01 | 6.04E-01 | 0.70 | 2.05E-02 | 2.56E-01 |
| 201505\_at | *LAMB1* | 0.88 | 2.62E-01 | 6.43E-01 | 0.84 | 1.89E-01 | 7.64E-01 | 0.70 | 3.77E-02 | 3.52E-01 | 0.60 | 3.17E-03 | 9.17E-02 |
| 211651\_s\_at | *LAMB1* | 0.86 | 1.49E-01 | 5.18E-01 | 0.73 | 6.11E-02 | 6.27E-01 | 0.73 | 4.02E-02 | 3.60E-01 | 0.65 | 9.17E-03 | 1.68E-01 |
| 216264\_s\_at | *LAMB2* | 0.91 | 2.87E-01 | 6.66E-01 | 1.04 | 6.81E-01 | 9.49E-01 | 0.90 | 3.34E-01 | 6.97E-01 | 0.61 | 8.80E-04 | 4.16E-02 |
| 200770\_s\_at | *LAMC1* | 0.70 | 2.76E-03 | 1.15E-01 | 0.88 | 1.81E-01 | 7.58E-01 | 0.71 | 4.60E-02 | 3.75E-01 | 0.50 | 2.82E-05 | 4.92E-03 |
| 200771\_at | *LAMC1* | 0.72 | 4.89E-02 | 3.36E-01 | 0.82 | 5.33E-02 | 6.10E-01 | 0.59 | 7.26E-03 | 2.25E-01 | 0.42 | 3.69E-04 | 2.50E-02 |
| 202267\_at | *LAMC2* | 0.65 | 7.49E-04 | 7.63E-02 | 0.90 | 4.36E-01 | 8.83E-01 | 0.70 | 1.00E-02 | 2.40E-01 | 0.88 | 5.84E-01 | 8.62E-01 |
| 207517\_at | *LAMC2* | 0.95 | 6.47E-01 | 8.83E-01 | 0.84 | 8.32E-02 | 6.66E-01 | 0.74 | 1.14E-01 | 4.94E-01 | 0.95 | 7.64E-01 | 9.27E-01 |
| 1555262\_a\_at | *MAGI1* | 1.04 | 3.48E-01 | 7.15E-01 | 1.09 | 1.78E-01 | 7.57E-01 | 1.05 | 3.98E-01 | 7.40E-01 | 1.20 | 1.55E-02 | 2.23E-01 |
| 1559256\_at | *MAGI1* | 1.02 | 5.37E-01 | 8.32E-01 | 1.02 | 7.48E-01 | 9.62E-01 | 1.05 | 3.73E-01 | 7.23E-01 | 1.14 | 3.52E-02 | 3.32E-01 |
| 1559257\_a\_at | *MAGI1* | 1.01 | 8.23E-01 | 9.51E-01 | 1.08 | 2.62E-01 | 8.09E-01 | 0.99 | 8.76E-01 | 9.62E-01 | 1.14 | 4.03E-02 | 3.53E-01 |
| 206144\_at | *MAGI1* | 1.04 | 1.64E-01 | 5.39E-01 | 0.92 | 2.59E-01 | 8.08E-01 | 1.16 | 3.77E-03 | 1.96E-01 | 1.10 | 1.90E-01 | 6.18E-01 |
| 225465\_at | *MAGI1* | 1.05 | 2.77E-01 | 6.56E-01 | 1.18 | 5.69E-02 | 6.20E-01 | 1.18 | 1.29E-01 | 5.15E-01 | 1.25 | 3.48E-02 | 3.30E-01 |
| 232859\_s\_at | *MAGI1* | 1.00 | 9.31E-01 | 9.81E-01 | 1.01 | 8.40E-01 | 9.78E-01 | 1.09 | 1.35E-01 | 5.22E-01 | 1.13 | 9.87E-02 | 4.99E-01 |
| 207702\_s\_at | *MAGI2* | 1.00 | 9.13E-01 | 9.77E-01 | 1.14 | 1.99E-01 | 7.71E-01 | 1.07 | 2.30E-01 | 6.18E-01 | 1.06 | 4.32E-01 | 7.88E-01 |
| 209737\_at | *MAGI2* | 0.99 | 8.53E-01 | 9.61E-01 | 1.24 | 4.99E-02 | 6.01E-01 | 0.92 | 4.57E-01 | 7.77E-01 | 1.24 | 5.51E-02 | 4.00E-01 |
| 224307\_x\_at | *MAGI3* | 0.97 | 5.17E-01 | 8.20E-01 | 0.98 | 7.69E-01 | 9.65E-01 | 1.09 | 2.09E-01 | 5.99E-01 | 1.08 | 3.87E-01 | 7.61E-01 |
| 226770\_at | *MAGI3* | 1.09 | 3.61E-01 | 7.25E-01 | 0.97 | 7.40E-01 | 9.60E-01 | 1.32 | 5.75E-02 | 3.98E-01 | 1.30 | 1.16E-01 | 5.26E-01 |
| 235141\_at | *MARVELD2* | 1.15 | 1.45E-01 | 5.12E-01 | 1.13 | 1.17E-01 | 7.08E-01 | 1.32 | 7.76E-02 | 4.38E-01 | 1.36 | 1.41E-02 | 2.12E-01 |
| 235955\_at | *MARVELD2* | 1.08 | 4.40E-01 | 7.76E-01 | 1.13 | 1.70E-01 | 7.51E-01 | 1.24 | 2.85E-01 | 6.62E-01 | 1.29 | 8.55E-02 | 4.72E-01 |
| 233634\_at | *MARVELD3* | 1.10 | 2.87E-01 | 6.65E-01 | 1.27 | 1.76E-03 | 2.38E-01 | 1.42 | 1.09E-02 | 2.46E-01 | 1.42 | 7.76E-05 | 9.23E-03 |
| 239148\_at | *MARVELD3* | 1.04 | 6.31E-01 | 8.76E-01 | 1.02 | 8.21E-01 | 9.76E-01 | 1.59 | 2.11E-03 | 1.74E-01 | 1.10 | 4.34E-01 | 7.89E-01 |
| 239350\_at | *MARVELD3* | 1.03 | 8.10E-01 | 9.47E-01 | 1.13 | 1.81E-01 | 7.58E-01 | 1.64 | 1.55E-02 | 2.72E-01 | 1.53 | 6.16E-03 | 1.34E-01 |
| 209086\_x\_at | *MCAM* | 0.82 | 1.09E-02 | 1.86E-01 | 0.98 | 8.77E-01 | 9.84E-01 | 0.84 | 6.03E-02 | 4.06E-01 | 0.68 | 5.19E-03 | 1.22E-01 |
| 209087\_x\_at | *MCAM* | 0.83 | 2.72E-01 | 6.51E-01 | 0.86 | 2.47E-01 | 8.02E-01 | 0.66 | 1.95E-02 | 2.90E-01 | 0.41 | 3.62E-04 | 2.47E-02 |
| 210869\_s\_at | *MCAM* | 0.79 | 9.83E-02 | 4.39E-01 | 0.89 | 4.09E-01 | 8.75E-01 | 0.62 | 8.14E-03 | 2.32E-01 | 0.50 | 3.93E-03 | 1.04E-01 |
| 211042\_x\_at | *MCAM* | 1.02 | 4.50E-01 | 7.82E-01 | 0.96 | 6.22E-01 | 9.35E-01 | 1.01 | 9.25E-01 | 9.77E-01 | 1.06 | 4.89E-01 | 8.16E-01 |
| 211340\_s\_at | *MCAM* | 0.74 | 1.10E-01 | 4.59E-01 | 0.85 | 3.09E-01 | 8.31E-01 | 0.57 | 5.30E-03 | 2.10E-01 | 0.36 | 2.99E-04 | 2.18E-02 |
| 206000\_at | *MEP1A* | 1.11 | 5.22E-01 | 8.23E-01 | 1.43 | 2.83E-02 | 5.34E-01 | 1.82 | 4.33E-03 | 2.03E-01 | 1.45 | 1.23E-01 | 5.35E-01 |
| 214939\_x\_at | *MLLT4* | 0.91 | 5.09E-02 | 3.40E-01 | 1.06 | 5.04E-01 | 9.04E-01 | 1.09 | 3.58E-01 | 7.15E-01 | 1.05 | 6.95E-01 | 9.03E-01 |
| 215904\_at | *MLLT4* | 0.98 | 6.48E-01 | 8.83E-01 | 1.09 | 1.46E-01 | 7.29E-01 | 1.03 | 5.86E-01 | 8.45E-01 | 0.98 | 7.36E-01 | 9.18E-01 |
| 224685\_at | *MLLT4* | 1.09 | 9.10E-02 | 4.26E-01 | 1.06 | 4.50E-01 | 8.88E-01 | 1.14 | 2.06E-01 | 5.96E-01 | 1.26 | 5.30E-03 | 1.23E-01 |
| 229775\_s\_at | *MLLT4* | 1.02 | 7.67E-01 | 9.33E-01 | 1.17 | 2.23E-01 | 7.88E-01 | 1.12 | 4.63E-01 | 7.80E-01 | 1.14 | 3.41E-01 | 7.33E-01 |
| 230622\_at | *MLLT4* | 1.05 | 2.54E-01 | 6.35E-01 | 1.08 | 3.14E-01 | 8.33E-01 | 0.96 | 5.09E-01 | 8.06E-01 | 1.10 | 1.79E-01 | 6.08E-01 |
| 238871\_at | *MLLT4* | 1.02 | 3.65E-01 | 7.27E-01 | 1.08 | 1.33E-01 | 7.19E-01 | 1.00 | 9.48E-01 | 9.83E-01 | 1.07 | 2.68E-01 | 6.87E-01 |
| 205079\_s\_at | *MPDZ* | 0.94 | 3.57E-01 | 7.22E-01 | 1.03 | 7.27E-01 | 9.57E-01 | 0.83 | 2.56E-02 | 3.16E-01 | 0.72 | 4.74E-03 | 1.16E-01 |
| 213306\_at | *MPDZ* | 0.91 | 4.24E-01 | 7.66E-01 | 0.95 | 4.62E-01 | 8.91E-01 | 0.76 | 1.79E-02 | 2.83E-01 | 0.51 | 1.86E-03 | 6.63E-02 |
| 219321\_at | *MPP5* | 0.97 | 6.97E-01 | 9.05E-01 | 1.09 | 3.46E-01 | 8.48E-01 | 1.11 | 3.73E-01 | 7.23E-01 | 0.99 | 9.66E-01 | 9.91E-01 |
| 226092\_at | *MPP5* | 1.01 | 8.83E-01 | 9.69E-01 | 1.14 | 6.06E-02 | 6.27E-01 | 1.24 | 4.92E-02 | 3.82E-01 | 1.07 | 5.05E-01 | 8.25E-01 |
| 207847\_s\_at | *MUC1* | 1.01 | 9.13E-01 | 9.77E-01 | 0.62 | 4.66E-03 | 3.27E-01 | 1.43 | 4.15E-02 | 3.64E-01 | 1.26 | 1.50E-01 | 5.73E-01 |
| 211695\_x\_at | *MUC1* | 0.99 | 8.66E-01 | 9.65E-01 | 0.81 | 1.12E-01 | 7.03E-01 | 1.33 | 6.47E-02 | 4.15E-01 | 1.20 | 2.16E-01 | 6.42E-01 |
| 213693\_s\_at | *MUC1* | 1.04 | 6.04E-01 | 8.65E-01 | 0.69 | 9.76E-03 | 4.19E-01 | 1.33 | 9.17E-02 | 4.63E-01 | 1.19 | 1.98E-01 | 6.26E-01 |
| 1557906\_at | *MUC12* | 0.98 | 4.62E-01 | 7.89E-01 | 1.00 | 9.63E-01 | 9.95E-01 | 1.10 | 2.29E-01 | 6.17E-01 | 1.10 | 9.26E-02 | 4.87E-01 |
| 1557907\_x\_at | *MUC12* | 1.06 | 8.58E-02 | 4.16E-01 | 0.99 | 9.21E-01 | 9.90E-01 | 1.09 | 1.63E-01 | 5.54E-01 | 1.07 | 3.52E-01 | 7.40E-01 |
| 226654\_at | *MUC12* | 1.35 | 2.80E-02 | 2.69E-01 | 0.62 | 1.85E-01 | 7.62E-01 | 1.38 | 1.39E-01 | 5.27E-01 | 1.31 | 1.44E-01 | 5.65E-01 |
| 231814\_at | *MUC12* | 1.06 | 7.22E-01 | 9.15E-01 | 0.82 | 1.40E-01 | 7.24E-01 | 1.06 | 8.38E-01 | 9.50E-01 | 1.12 | 7.20E-01 | 9.12E-01 |
| 218687\_s\_at | *MUC13* | 1.00 | 9.48E-01 | 9.87E-01 | 1.01 | 9.43E-01 | 9.93E-01 | 1.28 | 6.56E-02 | 4.17E-01 | 1.17 | 2.27E-01 | 6.52E-01 |
| 222712\_s\_at | *MUC13* | 0.91 | 2.20E-01 | 6.02E-01 | 0.94 | 7.47E-01 | 9.62E-01 | 1.21 | 2.00E-01 | 5.90E-01 | 0.97 | 8.87E-01 | 9.69E-01 |
| 227238\_at | *MUC15* | 1.00 | 8.95E-01 | 9.73E-01 | 1.00 | 9.70E-01 | 9.96E-01 | 1.04 | 3.88E-01 | 7.33E-01 | 1.03 | 5.21E-01 | 8.33E-01 |
| 227241\_at | *MUC15* | 0.97 | 2.56E-01 | 6.37E-01 | 1.10 | 1.44E-01 | 7.28E-01 | 1.05 | 2.53E-01 | 6.39E-01 | 1.05 | 3.51E-01 | 7.39E-01 |
| 220196\_at | *MUC16* | 0.98 | 6.06E-01 | 8.66E-01 | 0.98 | 6.91E-01 | 9.50E-01 | 1.08 | 1.88E-01 | 5.79E-01 | 1.07 | 3.76E-01 | 7.55E-01 |
| 232321\_at | *MUC17* | 1.13 | 5.24E-01 | 8.23E-01 | 1.79 | 8.86E-03 | 4.06E-01 | 1.46 | 4.13E-01 | 7.50E-01 | 0.77 | 5.34E-01 | 8.39E-01 |
| 232407\_at | *MUC17* | 1.07 | 8.80E-02 | 4.19E-01 | 1.10 | 8.81E-02 | 6.73E-01 | 1.15 | 1.19E-01 | 5.00E-01 | 1.07 | 2.32E-01 | 6.56E-01 |
| 1553436\_at | *MUC19* | 0.98 | 6.34E-01 | 8.77E-01 | 1.01 | 9.30E-01 | 9.91E-01 | 1.03 | 5.24E-01 | 8.14E-01 | 1.02 | 7.06E-01 | 9.07E-01 |
| 204673\_at | *MUC2* | 1.02 | 8.98E-01 | 9.74E-01 | 0.77 | 1.06E-01 | 6.96E-01 | 1.21 | 2.47E-01 | 6.33E-01 | 1.10 | 5.16E-01 | 8.30E-01 |
| 226622\_at | *MUC20* | 1.31 | 2.41E-02 | 2.53E-01 | 1.00 | 9.95E-01 | 1.00E+00 | 1.55 | 1.13E-01 | 4.93E-01 | 1.28 | 3.62E-01 | 7.46E-01 |
| 230043\_at | *MUC20* | 1.17 | 1.14E-01 | 4.66E-01 | 1.00 | 9.74E-01 | 9.96E-01 | 1.29 | 2.39E-01 | 6.27E-01 | 1.35 | 1.72E-01 | 5.97E-01 |
| 231941\_s\_at | *MUC20* | 1.27 | 6.38E-02 | 3.71E-01 | 0.95 | 8.23E-01 | 9.76E-01 | 1.49 | 1.56E-01 | 5.46E-01 | 1.17 | 5.78E-01 | 8.60E-01 |
| 243774\_at | *MUC20* | 1.06 | 1.26E-01 | 4.85E-01 | 1.16 | 1.05E-01 | 6.95E-01 | 1.14 | 2.59E-01 | 6.44E-01 | 1.13 | 2.66E-01 | 6.85E-01 |
| 217117\_x\_at | *MUC3A* | 1.04 | 4.10E-01 | 7.57E-01 | 1.24 | 5.66E-02 | 6.20E-01 | 1.24 | 1.22E-02 | 2.55E-01 | 1.16 | 1.29E-01 | 5.43E-01 |
| 214676\_x\_at | *MUC3B* | 1.05 | 3.31E-01 | 7.01E-01 | 1.34 | 8.52E-03 | 4.02E-01 | 1.28 | 4.86E-03 | 2.08E-01 | 1.25 | 4.66E-02 | 3.74E-01 |
| 214898\_x\_at | *MUC3B* | 1.06 | 4.80E-01 | 7.99E-01 | 1.30 | 1.01E-03 | 1.94E-01 | 1.37 | 1.31E-02 | 2.58E-01 | 1.03 | 8.45E-01 | 9.55E-01 |
| 1561785\_at | *MUC4* | 1.23 | 1.53E-02 | 2.13E-01 | 0.94 | 4.21E-01 | 8.78E-01 | 1.23 | 1.25E-01 | 5.10E-01 | 1.47 | 2.45E-03 | 7.83E-02 |
| 204895\_x\_at | *MUC4* | 1.23 | 3.30E-02 | 2.87E-01 | 0.55 | 2.04E-02 | 5.02E-01 | 1.61 | 5.64E-03 | 2.15E-01 | 1.48 | 6.66E-02 | 4.30E-01 |
| 217109\_at | *MUC4* | 1.25 | 1.39E-02 | 2.04E-01 | 0.64 | 4.68E-02 | 5.93E-01 | 1.51 | 1.85E-02 | 2.86E-01 | 1.51 | 2.95E-02 | 3.04E-01 |
| 217110\_s\_at | *MUC4* | 1.27 | 2.66E-02 | 2.63E-01 | 0.58 | 2.99E-02 | 5.43E-01 | 1.60 | 1.38E-02 | 2.63E-01 | 1.72 | 2.04E-02 | 2.56E-01 |
| 235055\_x\_at | *MUC4* | 1.13 | 1.71E-02 | 2.23E-01 | 0.97 | 6.24E-01 | 9.35E-01 | 1.19 | 3.98E-02 | 3.59E-01 | 1.20 | 1.35E-02 | 2.07E-01 |
| 214303\_x\_at | *MUC5AC* | 0.82 | 5.16E-02 | 3.42E-01 | 0.84 | 2.47E-01 | 8.02E-01 | 1.13 | 6.16E-01 | 8.59E-01 | 0.80 | 2.87E-01 | 6.99E-01 |
| 214385\_s\_at | *MUC5AC* | 0.74 | 3.03E-02 | 2.77E-01 | 0.83 | 4.32E-01 | 8.82E-01 | 1.03 | 9.25E-01 | 9.77E-01 | 0.85 | 6.29E-01 | 8.80E-01 |
| 217182\_at | *MUC5AC* | 1.11 | 4.26E-02 | 3.18E-01 | 0.92 | 1.88E-01 | 7.64E-01 | 1.09 | 5.16E-01 | 8.10E-01 | 1.04 | 7.19E-01 | 9.12E-01 |
| 217187\_at | *MUC5AC* | 0.79 | 2.64E-02 | 2.62E-01 | 1.03 | 8.34E-01 | 9.77E-01 | 1.03 | 8.63E-01 | 9.58E-01 | 1.01 | 9.48E-01 | 9.86E-01 |
| 213432\_at | *MUC5B* | 0.95 | 6.11E-01 | 8.69E-01 | 0.54 | 2.51E-02 | 5.20E-01 | 1.54 | 2.38E-02 | 3.10E-01 | 0.98 | 9.35E-01 | 9.82E-01 |
| 222268\_x\_at | *MUC5B* | 0.90 | 1.98E-01 | 5.80E-01 | 1.06 | 3.24E-01 | 8.39E-01 | 1.18 | 3.65E-01 | 7.19E-01 | 0.99 | 9.43E-01 | 9.85E-01 |
| 1565666\_s\_at | *MUC6* | 0.91 | 5.50E-02 | 3.50E-01 | 0.71 | 9.07E-02 | 6.77E-01 | 1.12 | 3.67E-01 | 7.20E-01 | 0.93 | 3.67E-01 | 7.49E-01 |
| 214133\_at | *MUC6* | 0.93 | 2.09E-01 | 5.91E-01 | 0.75 | 2.32E-01 | 7.94E-01 | 1.14 | 1.16E-01 | 4.96E-01 | 1.06 | 5.61E-01 | 8.52E-01 |
| 216359\_at | *MUC7* | 0.97 | 3.79E-01 | 7.37E-01 | 1.04 | 5.21E-01 | 9.08E-01 | 1.03 | 6.20E-01 | 8.60E-01 | 1.03 | 6.68E-01 | 8.94E-01 |
| 217059\_at | *MUC7* | 1.01 | 7.84E-01 | 9.38E-01 | 1.09 | 2.49E-01 | 8.03E-01 | 1.01 | 9.11E-01 | 9.73E-01 | 1.03 | 5.73E-01 | 8.58E-01 |
| 216671\_x\_at | *MUC8* | 0.97 | 4.72E-01 | 7.95E-01 | 1.03 | 6.70E-01 | 9.46E-01 | 1.03 | 6.82E-01 | 8.88E-01 | 1.07 | 3.45E-01 | 7.36E-01 |
| 217295\_at | *MUC8* | 1.01 | 7.94E-01 | 9.41E-01 | 1.04 | 4.97E-01 | 9.02E-01 | 1.14 | 6.54E-02 | 4.17E-01 | 1.17 | 8.61E-02 | 4.73E-01 |
| 209888\_s\_at | *MYL1* | 1.00 | 9.00E-01 | 9.74E-01 | 1.04 | 5.85E-01 | 9.25E-01 | 1.04 | 5.21E-01 | 8.12E-01 | 1.00 | 9.67E-01 | 9.91E-01 |
| 209742\_s\_at | *MYL2* | 0.99 | 7.59E-01 | 9.30E-01 | 0.93 | 2.31E-01 | 7.94E-01 | 1.00 | 9.86E-01 | 9.96E-01 | 1.05 | 4.17E-01 | 7.80E-01 |
| 205589\_at | *MYL3* | 0.99 | 9.01E-01 | 9.74E-01 | 1.00 | 9.24E-01 | 9.90E-01 | 1.02 | 8.32E-01 | 9.47E-01 | 1.15 | 8.13E-02 | 4.63E-01 |
| 210088\_x\_at | *MYL4* | 0.97 | 3.60E-01 | 7.24E-01 | 1.03 | 5.67E-01 | 9.22E-01 | 1.03 | 6.71E-01 | 8.84E-01 | 1.00 | 9.56E-01 | 9.88E-01 |
| 210395\_x\_at | *MYL4* | 1.01 | 7.89E-01 | 9.40E-01 | 1.06 | 3.74E-01 | 8.60E-01 | 1.08 | 2.93E-01 | 6.68E-01 | 1.04 | 6.37E-01 | 8.82E-01 |
| 216054\_x\_at | *MYL4* | 1.06 | 1.68E-01 | 5.44E-01 | 0.99 | 8.10E-01 | 9.74E-01 | 1.08 | 2.36E-01 | 6.23E-01 | 1.06 | 3.56E-01 | 7.42E-01 |
| 217274\_x\_at | *MYL4* | 0.96 | 3.17E-01 | 6.90E-01 | 1.05 | 4.64E-01 | 8.92E-01 | 1.00 | 9.55E-01 | 9.86E-01 | 1.05 | 3.81E-01 | 7.58E-01 |
| 205145\_s\_at | *MYL5* | 1.00 | 9.41E-01 | 9.85E-01 | 1.18 | 1.16E-02 | 4.40E-01 | 1.17 | 5.46E-02 | 3.91E-01 | 1.23 | 3.40E-02 | 3.26E-01 |
| 212082\_s\_at | *MYL6* | 1.03 | 3.19E-01 | 6.92E-01 | 0.94 | 4.50E-01 | 8.88E-01 | 1.05 | 2.65E-01 | 6.49E-01 | 0.95 | 4.86E-01 | 8.15E-01 |
| 204173\_at | *MYL6B* | 0.90 | 1.31E-01 | 4.92E-01 | 1.01 | 9.38E-01 | 9.93E-01 | 0.89 | 2.63E-01 | 6.47E-01 | 0.81 | 7.29E-02 | 4.46E-01 |
| 219942\_at | *MYL7* | 1.01 | 8.15E-01 | 9.49E-01 | 1.01 | 8.36E-01 | 9.78E-01 | 1.04 | 5.60E-01 | 8.32E-01 | 0.94 | 3.94E-01 | 7.65E-01 |
| 201058\_s\_at | *MYL9* | 0.82 | 2.60E-01 | 6.41E-01 | 0.73 | 2.13E-01 | 7.80E-01 | 0.58 | 3.17E-02 | 3.33E-01 | 0.45 | 2.12E-02 | 2.61E-01 |
| 1563466\_at | *MYLK* | 0.99 | 8.25E-01 | 9.52E-01 | 1.03 | 6.32E-01 | 9.37E-01 | 1.00 | 9.26E-01 | 9.77E-01 | 0.99 | 8.22E-01 | 9.48E-01 |
| 1568770\_at | *MYLK* | 0.96 | 3.78E-01 | 7.37E-01 | 1.06 | 6.48E-01 | 9.42E-01 | 1.14 | 1.24E-01 | 5.08E-01 | 1.16 | 1.57E-01 | 5.80E-01 |
| 1569956\_at | *MYLK* | 1.05 | 9.93E-02 | 4.41E-01 | 1.01 | 8.99E-01 | 9.87E-01 | 1.04 | 3.68E-01 | 7.20E-01 | 1.00 | 9.90E-01 | 9.97E-01 |
| 202555\_s\_at | *MYLK* | 1.11 | 3.29E-01 | 7.00E-01 | 0.78 | 1.08E-01 | 6.98E-01 | 0.98 | 9.02E-01 | 9.71E-01 | 0.78 | 2.11E-01 | 6.37E-01 |
| 224823\_at | *MYLK* | 1.08 | 4.26E-01 | 7.67E-01 | 0.63 | 2.06E-02 | 5.03E-01 | 0.88 | 4.95E-01 | 7.99E-01 | 0.69 | 5.57E-02 | 4.01E-01 |
| 208452\_x\_at | *MYO9B* | 0.93 | 1.29E-01 | 4.88E-01 | 1.10 | 2.28E-01 | 7.92E-01 | 1.09 | 3.73E-01 | 7.23E-01 | 1.04 | 6.94E-01 | 9.03E-01 |
| 214780\_s\_at | *MYO9B* | 1.03 | 4.77E-01 | 7.98E-01 | 1.00 | 9.51E-01 | 9.93E-01 | 1.10 | 1.56E-01 | 5.46E-01 | 1.02 | 7.98E-01 | 9.40E-01 |
| 217297\_s\_at | *MYO9B* | 0.92 | 8.52E-02 | 4.14E-01 | 1.00 | 9.62E-01 | 9.95E-01 | 0.87 | 1.05E-01 | 4.83E-01 | 0.89 | 1.65E-01 | 5.90E-01 |
| 209925\_at | *OCLN* | 1.00 | 9.95E-01 | 9.99E-01 | 0.96 | 8.00E-01 | 9.72E-01 | 1.08 | 5.99E-01 | 8.51E-01 | 0.98 | 9.35E-01 | 9.82E-01 |
| 205432\_at | *OVGP1* | 0.98 | 7.08E-01 | 9.10E-01 | 1.00 | 9.67E-01 | 9.96E-01 | 1.00 | 9.50E-01 | 9.84E-01 | 1.13 | 2.28E-01 | 6.53E-01 |
| 210094\_s\_at | *PARD3* | 1.06 | 3.20E-01 | 6.93E-01 | 0.96 | 4.84E-01 | 8.98E-01 | 1.14 | 2.48E-01 | 6.34E-01 | 1.15 | 1.29E-01 | 5.44E-01 |
| 221280\_s\_at | *PARD3* | 1.04 | 3.61E-01 | 7.24E-01 | 0.96 | 4.52E-01 | 8.88E-01 | 1.11 | 6.53E-02 | 4.16E-01 | 1.18 | 4.03E-02 | 3.53E-01 |
| 221526\_x\_at | *PARD3* | 1.05 | 4.86E-01 | 8.02E-01 | 0.95 | 4.56E-01 | 8.89E-01 | 1.20 | 7.50E-02 | 4.33E-01 | 1.12 | 1.32E-01 | 5.48E-01 |
| 221527\_s\_at | *PARD3* | 1.03 | 6.28E-01 | 8.75E-01 | 0.91 | 9.98E-02 | 6.87E-01 | 1.08 | 4.50E-01 | 7.73E-01 | 1.28 | 2.21E-02 | 2.66E-01 |
| 205724\_at | *PKP1* | 0.89 | 1.91E-02 | 2.32E-01 | 1.02 | 8.81E-01 | 9.85E-01 | 1.04 | 6.03E-01 | 8.53E-01 | 1.17 | 9.80E-02 | 4.98E-01 |
| 221854\_at | *PKP1* | 1.07 | 2.55E-01 | 6.35E-01 | 0.91 | 2.22E-01 | 7.87E-01 | 1.10 | 1.82E-01 | 5.74E-01 | 1.15 | 3.15E-02 | 3.14E-01 |
| 207717\_s\_at | *PKP2* | 1.16 | 1.08E-01 | 4.56E-01 | 0.75 | 1.16E-01 | 7.07E-01 | 1.12 | 4.13E-01 | 7.50E-01 | 1.15 | 3.84E-01 | 7.59E-01 |
| 214154\_s\_at | *PKP2* | 0.91 | 3.28E-01 | 6.99E-01 | 0.80 | 5.45E-02 | 6.14E-01 | 1.05 | 7.72E-01 | 9.26E-01 | 0.94 | 7.65E-01 | 9.28E-01 |
| 209872\_s\_at | *PKP3* | 0.93 | 4.99E-01 | 8.10E-01 | 0.97 | 8.39E-01 | 9.78E-01 | 1.20 | 2.87E-01 | 6.64E-01 | 0.95 | 7.93E-01 | 9.38E-01 |
| 209873\_s\_at | *PKP3* | 1.05 | 5.28E-01 | 8.26E-01 | 1.00 | 9.60E-01 | 9.95E-01 | 1.29 | 3.37E-02 | 3.39E-01 | 1.16 | 1.64E-01 | 5.89E-01 |
| 201927\_s\_at | *PKP4* | 0.97 | 6.43E-01 | 8.81E-01 | 1.00 | 9.37E-01 | 9.93E-01 | 1.08 | 5.23E-01 | 8.13E-01 | 1.02 | 8.55E-01 | 9.59E-01 |
| 201928\_at | *PKP4* | 1.13 | 3.49E-02 | 2.94E-01 | 0.94 | 5.07E-01 | 9.04E-01 | 1.02 | 8.45E-01 | 9.52E-01 | 0.95 | 6.99E-01 | 9.05E-01 |
| 201929\_s\_at | *PKP4* | 1.06 | 2.10E-01 | 5.93E-01 | 0.86 | 1.19E-01 | 7.09E-01 | 0.98 | 8.16E-01 | 9.42E-01 | 0.98 | 9.00E-01 | 9.73E-01 |
| 214874\_at | *PKP4* | 1.04 | 4.54E-01 | 7.84E-01 | 1.04 | 5.51E-01 | 9.18E-01 | 1.04 | 6.79E-01 | 8.87E-01 | 1.02 | 7.78E-01 | 9.33E-01 |
| 201373\_at | *PLEC1* | 0.95 | 4.09E-01 | 7.56E-01 | 1.04 | 6.25E-01 | 9.35E-01 | 1.14 | 3.13E-01 | 6.83E-01 | 1.01 | 9.58E-01 | 9.89E-01 |
| 216971\_s\_at | *PLEC1* | 0.85 | 5.49E-02 | 3.50E-01 | 1.04 | 8.52E-01 | 9.80E-01 | 1.02 | 9.12E-01 | 9.74E-01 | 0.77 | 2.11E-01 | 6.37E-01 |
| 228450\_at | *PLEKHA7* | 1.00 | 9.92E-01 | 9.98E-01 | 0.95 | 6.43E-01 | 9.41E-01 | 1.17 | 2.84E-01 | 6.62E-01 | 1.12 | 4.35E-01 | 7.89E-01 |
| 203407\_at | *PPL* | 0.88 | 1.23E-01 | 4.80E-01 | 1.12 | 1.11E-01 | 7.02E-01 | 0.98 | 8.75E-01 | 9.62E-01 | 0.70 | 8.35E-02 | 4.68E-01 |
| 204896\_s\_at | *PTGER4* | 1.11 | 1.76E-01 | 5.53E-01 | 0.90 | 1.96E-01 | 7.69E-01 | 1.26 | 9.40E-02 | 4.67E-01 | 1.11 | 4.43E-01 | 7.94E-01 |
| 204897\_at | *PTGER4* | 1.25 | 1.19E-02 | 1.91E-01 | 0.83 | 7.28E-02 | 6.48E-01 | 1.32 | 5.29E-02 | 3.88E-01 | 1.32 | 2.82E-02 | 2.96E-01 |
| 204935\_at | *PTPN2* | 0.92 | 1.29E-01 | 4.88E-01 | 0.94 | 3.14E-01 | 8.33E-01 | 0.77 | 7.67E-04 | 1.54E-01 | 0.84 | 1.31E-01 | 5.45E-01 |
| 213136\_at | *PTPN2* | 0.96 | 4.31E-01 | 7.70E-01 | 0.88 | 4.12E-02 | 5.83E-01 | 0.84 | 4.44E-02 | 3.72E-01 | 0.78 | 3.47E-03 | 9.70E-02 |
| 213137\_s\_at | *PTPN2* | 0.92 | 9.60E-02 | 4.34E-01 | 0.78 | 1.48E-03 | 2.26E-01 | 0.79 | 3.94E-03 | 1.98E-01 | 0.84 | 1.77E-01 | 6.04E-01 |
| 241622\_at | *PTPN2* | 0.96 | 1.93E-01 | 5.75E-01 | 0.99 | 8.00E-01 | 9.72E-01 | 0.96 | 4.78E-01 | 7.89E-01 | 0.98 | 7.59E-01 | 9.26E-01 |
| 241623\_at | *PTPN2* | 0.97 | 4.06E-01 | 7.55E-01 | 0.99 | 9.15E-01 | 9.89E-01 | 0.96 | 6.46E-01 | 8.73E-01 | 1.05 | 4.25E-01 | 7.84E-01 |
| 241983\_at | *PTPN2* | 1.01 | 7.59E-01 | 9.30E-01 | 1.01 | 8.56E-01 | 9.81E-01 | 1.09 | 2.40E-01 | 6.28E-01 | 1.01 | 8.72E-01 | 9.64E-01 |
| 223969\_s\_at | *RETNLB* | 1.83 | 7.86E-04 | 7.75E-02 | 0.76 | 1.26E-01 | 7.14E-01 | 2.69 | 4.56E-02 | 3.74E-01 | 3.31 | 6.35E-03 | 1.36E-01 |
| 223970\_at | *RETNLB* | 1.51 | 8.24E-03 | 1.70E-01 | 0.75 | 1.84E-01 | 7.61E-01 | 2.26 | 4.36E-02 | 3.69E-01 | 3.18 | 3.17E-03 | 9.17E-02 |
| 1555814\_a\_at | *RHOA* | 0.88 | 2.04E-04 | 6.33E-02 | 0.72 | 1.46E-01 | 7.29E-01 | 0.92 | 4.57E-01 | 7.77E-01 | 0.76 | 1.20E-01 | 5.31E-01 |
| 200059\_s\_at | *RHOA* | 0.93 | 1.36E-02 | 2.02E-01 | 0.86 | 6.09E-02 | 6.27E-01 | 1.00 | 9.29E-01 | 9.78E-01 | 0.90 | 8.93E-02 | 4.80E-01 |
| 240337\_at | *RHOA* | 1.00 | 9.48E-01 | 9.87E-01 | 1.00 | 9.63E-01 | 9.95E-01 | 0.98 | 7.06E-01 | 8.99E-01 | 1.01 | 9.28E-01 | 9.80E-01 |
| 213044\_at | *ROCK1* | 0.97 | 5.52E-01 | 8.40E-01 | 0.89 | 1.26E-01 | 7.14E-01 | 0.88 | 1.53E-01 | 5.44E-01 | 0.76 | 6.49E-04 | 3.48E-02 |
| 214578\_s\_at | *ROCK1* | 0.91 | 9.49E-03 | 1.77E-01 | 0.84 | 6.71E-02 | 6.38E-01 | 0.79 | 2.48E-02 | 3.13E-01 | 0.78 | 4.72E-02 | 3.76E-01 |
| 230239\_at | *ROCK1* | 0.99 | 7.38E-01 | 9.21E-01 | 1.06 | 2.69E-01 | 8.11E-01 | 1.05 | 4.54E-01 | 7.75E-01 | 1.13 | 5.89E-02 | 4.11E-01 |
| 235854\_x\_at | *ROCK1* | 0.98 | 5.58E-01 | 8.43E-01 | 0.94 | 1.70E-01 | 7.51E-01 | 0.99 | 8.97E-01 | 9.70E-01 | 1.09 | 3.79E-01 | 7.56E-01 |
| 202762\_at | *ROCK2* | 1.11 | 3.35E-02 | 2.89E-01 | 1.03 | 7.05E-01 | 9.53E-01 | 1.08 | 5.01E-01 | 8.02E-01 | 1.02 | 8.55E-01 | 9.59E-01 |
| 211504\_x\_at | *ROCK2* | 0.97 | 5.12E-01 | 8.18E-01 | 1.09 | 4.13E-01 | 8.76E-01 | 1.11 | 1.49E-01 | 5.39E-01 | 1.04 | 6.51E-01 | 8.88E-01 |
| 1554595\_at | *SYMPK* | 1.15 | 8.58E-04 | 7.85E-02 | 1.24 | 2.25E-02 | 5.10E-01 | 1.21 | 5.03E-02 | 3.84E-01 | 1.20 | 1.65E-01 | 5.90E-01 |
| 202339\_at | *SYMPK* | 1.01 | 8.56E-01 | 9.62E-01 | 1.08 | 3.03E-01 | 8.28E-01 | 1.08 | 3.23E-01 | 6.90E-01 | 0.87 | 5.00E-02 | 3.86E-01 |
| 32402\_s\_at | *SYMPK* | 1.03 | 4.46E-01 | 7.80E-01 | 0.94 | 3.56E-01 | 8.52E-01 | 1.03 | 6.66E-01 | 8.82E-01 | 1.03 | 8.03E-01 | 9.41E-01 |
| 203753\_at | *TCF4* | 0.77 | 1.97E-01 | 5.78E-01 | 0.89 | 4.70E-01 | 8.94E-01 | 0.54 | 1.84E-02 | 2.85E-01 | 0.43 | 2.04E-03 | 7.03E-02 |
| 212382\_at | *TCF4* | 0.80 | 1.86E-01 | 5.66E-01 | 0.86 | 3.54E-01 | 8.51E-01 | 0.57 | 1.24E-02 | 2.56E-01 | 0.55 | 1.08E-02 | 1.82E-01 |
| 212385\_at | *TCF4* | 0.74 | 8.59E-02 | 4.16E-01 | 0.82 | 1.90E-01 | 7.65E-01 | 0.49 | 5.04E-03 | 2.08E-01 | 0.38 | 6.21E-05 | 8.08E-03 |
| 212386\_at | *TCF4* | 0.78 | 1.63E-01 | 5.35E-01 | 0.86 | 2.27E-01 | 7.91E-01 | 0.58 | 1.54E-02 | 2.72E-01 | 0.46 | 4.71E-03 | 1.16E-01 |
| 212387\_at | *TCF4* | 0.80 | 2.33E-01 | 6.14E-01 | 0.86 | 1.68E-01 | 7.49E-01 | 0.59 | 1.34E-02 | 2.60E-01 | 0.48 | 1.17E-03 | 4.99E-02 |
| 213891\_s\_at | *TCF4* | 0.78 | 1.83E-01 | 5.62E-01 | 0.79 | 6.85E-02 | 6.41E-01 | 0.55 | 1.24E-02 | 2.55E-01 | 0.41 | 1.69E-03 | 6.21E-02 |
| 222146\_s\_at | *TCF4* | 0.71 | 9.33E-02 | 4.30E-01 | 0.88 | 3.52E-01 | 8.50E-01 | 0.47 | 6.30E-03 | 2.17E-01 | 0.38 | 8.61E-04 | 4.10E-02 |
| 228837\_at | *TCF4* | 0.97 | 7.28E-01 | 9.17E-01 | 0.94 | 3.68E-01 | 8.57E-01 | 0.74 | 9.00E-03 | 2.34E-01 | 0.75 | 4.23E-02 | 3.60E-01 |
| 205009\_at | *TFF1* | 0.76 | 6.64E-03 | 1.56E-01 | 0.83 | 1.42E-01 | 7.26E-01 | 1.12 | 4.58E-01 | 7.78E-01 | 0.64 | 7.68E-02 | 4.55E-01 |
| 214476\_at | *TFF2* | 0.64 | 8.72E-03 | 1.72E-01 | 0.66 | 1.07E-01 | 6.97E-01 | 1.02 | 9.53E-01 | 9.86E-01 | 0.59 | 1.44E-01 | 5.65E-01 |
| 204623\_at | *TFF3* | 1.01 | 9.33E-01 | 9.82E-01 | 0.86 | 7.97E-02 | 6.60E-01 | 1.27 | 1.32E-01 | 5.19E-01 | 1.17 | 2.70E-01 | 6.88E-01 |
| 202011\_at | *TJP1* | 1.01 | 7.07E-01 | 9.09E-01 | 0.99 | 8.88E-01 | 9.85E-01 | 1.05 | 4.74E-01 | 7.86E-01 | 0.95 | 5.74E-01 | 8.58E-01 |
| 214168\_s\_at | *TJP1* | 0.95 | 3.09E-01 | 6.84E-01 | 0.95 | 6.35E-01 | 9.38E-01 | 1.05 | 6.09E-01 | 8.55E-01 | 1.00 | 9.83E-01 | 9.95E-01 |
| 202085\_at | *TJP2* | 1.04 | 5.42E-01 | 8.35E-01 | 0.96 | 6.82E-01 | 9.49E-01 | 1.12 | 3.58E-01 | 7.15E-01 | 1.02 | 8.34E-01 | 9.52E-01 |
| 232017\_at | *TJP2* | 1.18 | 2.41E-02 | 2.53E-01 | 1.11 | 2.62E-01 | 8.09E-01 | 1.25 | 2.39E-01 | 6.26E-01 | 1.28 | 1.02E-01 | 5.04E-01 |
| 237132\_at | *TJP2* | 0.99 | 7.95E-01 | 9.42E-01 | 1.10 | 2.41E-01 | 8.00E-01 | 1.09 | 1.16E-01 | 4.96E-01 | 1.12 | 1.94E-01 | 6.21E-01 |
| 242991\_at | *TJP2* | 0.98 | 5.74E-01 | 8.52E-01 | 1.03 | 6.43E-01 | 9.41E-01 | 0.98 | 6.83E-01 | 8.88E-01 | 1.09 | 2.28E-01 | 6.53E-01 |
| 213412\_at | *TJP3* | 1.00 | 9.98E-01 | 9.99E-01 | 1.08 | 4.50E-01 | 8.88E-01 | 1.43 | 7.92E-03 | 2.30E-01 | 1.13 | 3.85E-01 | 7.60E-01 |
| 35148\_at | *TJP3* | 1.04 | 6.90E-01 | 9.02E-01 | 1.10 | 3.76E-01 | 8.61E-01 | 1.43 | 9.65E-03 | 2.37E-01 | 1.31 | 5.37E-02 | 3.96E-01 |
| 204253\_s\_at | *VDR* | 0.98 | 5.79E-01 | 8.54E-01 | 1.03 | 7.77E-01 | 9.67E-01 | 1.12 | 1.19E-01 | 5.01E-01 | 1.18 | 1.08E-01 | 5.14E-01 |
| 204254\_s\_at | *VDR* | 1.20 | 7.16E-03 | 1.61E-01 | 1.14 | 4.08E-02 | 5.83E-01 | 1.29 | 1.04E-02 | 2.43E-01 | 1.30 | 4.43E-02 | 3.66E-01 |
| 204255\_s\_at | *VDR* | 1.11 | 7.49E-02 | 3.95E-01 | 1.12 | 1.42E-01 | 7.26E-01 | 1.13 | 2.64E-01 | 6.48E-01 | 1.23 | 1.40E-01 | 5.60E-01 |
| 213692\_s\_at | *VDR* | 1.01 | 7.16E-01 | 9.13E-01 | 1.10 | 1.99E-01 | 7.72E-01 | 1.17 | 1.96E-03 | 1.70E-01 | 1.09 | 2.57E-01 | 6.78E-01 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Probeset ID** | **Gene symbol** | **IBDc R before therapy (n=20) versus  IBDc NR before therapy (n=23)** | | | **CDi R before therapy (n=8) versus  CDi NR before therapy (n=10)** | | |
|
|
| **FC** | **P** | **FDR** | **FC** | **P** | **FDR** |
| 209521\_s\_at | *AMOT* | 1.09 | 6.53E-02 | 2.56E-01 | 1.07 | 2.91E-01 | 1.00E+00 |
| 225450\_at | *AMOTL1* | 0.67 | 1.44E-04 | 5.42E-03 | 0.70 | 1.45E-02 | 1.00E+00 |
| 225459\_at | *AMOTL1* | 0.84 | 1.02E-04 | 4.30E-03 | 0.98 | 8.04E-01 | 1.00E+00 |
| 228840\_at | *AMOTL1* | 1.02 | 6.82E-01 | 8.39E-01 | 0.99 | 9.08E-01 | 1.00E+00 |
| 235277\_at | *AMOTL1* | 0.98 | 5.33E-01 | 7.47E-01 | 0.96 | 5.26E-01 | 1.00E+00 |
| 203002\_at | *AMOTL2* | 0.67 | 6.73E-05 | 3.19E-03 | 1.02 | 8.06E-01 | 1.00E+00 |
| 201130\_s\_at | *CDH1* | 0.95 | 7.98E-01 | 9.04E-01 | 1.60 | 1.38E-01 | 1.00E+00 |
| 201131\_s\_at | *CDH1* | 1.14 | 2.62E-02 | 1.54E-01 | 1.14 | 9.67E-02 | 1.00E+00 |
| 223232\_s\_at | *CGN* | 1.47 | 4.93E-03 | 5.66E-02 | 1.25 | 1.53E-01 | 1.00E+00 |
| 223233\_s\_at | *CGN* | 1.37 | 1.01E-03 | 2.01E-02 | 1.11 | 2.98E-01 | 1.00E+00 |
| 1569847\_at | *CGNL1* | 1.09 | 5.19E-02 | 2.25E-01 | 0.99 | 8.14E-01 | 1.00E+00 |
| 225817\_at | *CGNL1* | 1.19 | 1.55E-01 | 3.99E-01 | 0.98 | 8.21E-01 | 1.00E+00 |
| 218182\_s\_at | *CLDN1* | 0.76 | 2.99E-02 | 1.66E-01 | 0.88 | 1.97E-01 | 1.00E+00 |
| 222549\_at | *CLDN1* | 0.71 | 4.08E-02 | 1.98E-01 | 0.71 | 1.54E-01 | 1.00E+00 |
| 1556687\_a\_at | *CLDN10* | 1.01 | 7.98E-01 | 9.04E-01 | 0.94 | 3.34E-01 | 1.00E+00 |
| 205328\_at | *CLDN10* | 1.03 | 6.38E-01 | 8.13E-01 | 1.06 | 1.33E-01 | 1.00E+00 |
| 206908\_s\_at | *CLDN11* | 1.06 | 2.13E-01 | 4.70E-01 | 0.89 | 1.61E-01 | 1.00E+00 |
| 228335\_at | *CLDN11* | 0.65 | 5.25E-05 | 2.67E-03 | 0.72 | 1.50E-01 | 1.00E+00 |
| 223249\_at | *CLDN12* | 0.99 | 9.04E-01 | 9.57E-01 | 0.93 | 5.05E-01 | 1.00E+00 |
| 210689\_at | *CLDN14* | 0.95 | 4.42E-01 | 6.80E-01 | 0.96 | 5.42E-01 | 1.00E+00 |
| 1552845\_at | *CLDN15* | 1.10 | 1.45E-01 | 3.85E-01 | 1.09 | 6.07E-01 | 1.00E+00 |
| 219640\_at | *CLDN15* | 1.03 | 5.82E-01 | 7.78E-01 | 1.35 | 4.08E-01 | 1.00E+00 |
| 220332\_at | *CLDN16* | 1.12 | 6.19E-02 | 2.49E-01 | 1.00 | 9.80E-01 | 1.00E+00 |
| 221328\_at | *CLDN17* | 1.07 | 1.72E-01 | 4.22E-01 | 1.09 | 2.91E-01 | 1.00E+00 |
| 214135\_at | *CLDN18* | 0.86 | 5.54E-01 | 7.60E-01 | 0.20 | 8.03E-04 | 1.00E+00 |
| 221132\_at | *CLDN18* | 0.86 | 3.44E-01 | 5.99E-01 | 0.36 | 2.04E-02 | 1.00E+00 |
| 221133\_s\_at | *CLDN18* | 0.88 | 4.76E-01 | 7.05E-01 | 0.30 | 5.27E-03 | 1.00E+00 |
| 232578\_at | *CLDN18* | 0.76 | 3.20E-01 | 5.78E-01 | 0.15 | 1.63E-03 | 1.00E+00 |
| 1552535\_at | *CLDN19* | 1.06 | 1.62E-01 | 4.08E-01 | 0.95 | 4.26E-01 | 1.00E+00 |
| 1554804\_a\_at | *CLDN19* | 1.07 | 2.72E-01 | 5.33E-01 | 1.06 | 3.55E-01 | 1.00E+00 |
| 1554805\_at | *CLDN19* | 1.08 | 1.75E-01 | 4.26E-01 | 1.05 | 5.85E-01 | 1.00E+00 |
| 223509\_at | *CLDN2* | 0.83 | 2.03E-01 | 4.58E-01 | 1.11 | 7.34E-01 | 1.00E+00 |
| 1554812\_at | *CLDN20* | 1.06 | 1.30E-01 | 3.65E-01 | 1.05 | 4.61E-01 | 1.00E+00 |
| 222738\_at | *CLDN22* | 0.86 | 6.97E-03 | 7.01E-02 | 0.81 | 1.72E-02 | 1.00E+00 |
| 228704\_s\_at | *CLDN23* | 1.17 | 8.88E-03 | 8.15E-02 | 0.95 | 4.96E-01 | 1.00E+00 |
| 228706\_s\_at | *CLDN23* | 1.50 | 7.48E-03 | 7.34E-02 | 0.94 | 7.66E-01 | 1.00E+00 |
| 228707\_at | *CLDN23* | 1.49 | 1.27E-03 | 2.32E-02 | 0.92 | 6.21E-01 | 1.00E+00 |
| 203953\_s\_at | *CLDN3* | 1.28 | 1.95E-02 | 1.30E-01 | 1.18 | 3.36E-01 | 1.00E+00 |
| 203954\_x\_at | *CLDN3* | 1.27 | 7.32E-03 | 7.24E-02 | 1.10 | 4.33E-01 | 1.00E+00 |
| 1569421\_at | *CLDN4* | 1.14 | 1.77E-02 | 1.23E-01 | 1.10 | 1.68E-01 | 1.00E+00 |
| 201428\_at | *CLDN4* | 1.14 | 1.75E-01 | 4.26E-01 | 1.00 | 9.94E-01 | 1.00E+00 |
| 204482\_at | *CLDN5* | 0.87 | 8.26E-02 | 2.89E-01 | 0.83 | 7.26E-02 | 1.00E+00 |
| 208474\_at | *CLDN6* | 1.01 | 8.11E-01 | 9.10E-01 | 0.91 | 2.65E-01 | 1.00E+00 |
| 237810\_at | *CLDN6* | 1.06 | 2.06E-01 | 4.62E-01 | 0.94 | 2.98E-01 | 1.00E+00 |
| 202790\_at | *CLDN7* | 1.31 | 9.39E-04 | 1.92E-02 | 1.04 | 6.68E-01 | 1.00E+00 |
| 214598\_at | *CLDN8* | 3.25 | 2.70E-03 | 3.87E-02 | 1.15 | 3.66E-01 | 1.00E+00 |
| 214635\_at | *CLDN9* | 1.10 | 1.18E-01 | 3.48E-01 | 0.95 | 6.31E-01 | 1.00E+00 |
| 1558214\_s\_at | *CTNNA1* | 0.89 | 4.67E-01 | 6.99E-01 | 1.36 | 3.12E-01 | 1.00E+00 |
| 200764\_s\_at | *CTNNA1* | 1.08 | 1.93E-01 | 4.46E-01 | 1.02 | 8.61E-01 | 1.00E+00 |
| 200765\_x\_at | *CTNNA1* | 1.09 | 1.39E-01 | 3.77E-01 | 0.97 | 6.50E-01 | 1.00E+00 |
| 210844\_x\_at | *CTNNA1* | 1.09 | 1.74E-01 | 4.24E-01 | 0.96 | 6.21E-01 | 1.00E+00 |
| 215883\_at | *CTNNA1* | 1.11 | 1.54E-01 | 3.98E-01 | 1.02 | 8.34E-01 | 1.00E+00 |
| 1554411\_at | *CTNNB1* | 0.92 | 7.22E-01 | 8.63E-01 | 0.78 | 3.72E-01 | 1.00E+00 |
| 201533\_at | *CTNNB1* | 1.01 | 9.11E-01 | 9.61E-01 | 1.09 | 4.39E-01 | 1.00E+00 |
| 223679\_at | *CTNNB1* | 1.12 | 2.35E-01 | 4.94E-01 | 1.07 | 6.02E-01 | 1.00E+00 |
| 1557944\_s\_at | *CTNND1* | 1.20 | 2.20E-02 | 1.39E-01 | 1.11 | 4.47E-01 | 1.00E+00 |
| 208407\_s\_at | *CTNND1* | 1.28 | 2.76E-04 | 8.40E-03 | 1.03 | 7.35E-01 | 1.00E+00 |
| 208862\_s\_at | *CTNND1* | 1.28 | 2.95E-04 | 8.81E-03 | 1.00 | 9.97E-01 | 1.00E+00 |
| 211240\_x\_at | *CTNND1* | 1.25 | 4.37E-04 | 1.15E-02 | 1.04 | 7.29E-01 | 1.00E+00 |
| 1555716\_a\_at | *CXADR* | 0.99 | 9.53E-01 | 9.80E-01 | 1.43 | 5.24E-02 | 1.00E+00 |
| 203917\_at | *CXADR* | 1.24 | 2.52E-02 | 1.50E-01 | 1.07 | 4.81E-01 | 1.00E+00 |
| 207324\_s\_at | *DSC1* | 1.03 | 4.97E-01 | 7.21E-01 | 0.94 | 3.32E-01 | 1.00E+00 |
| 204750\_s\_at | *DSC2* | 1.14 | 2.46E-01 | 5.05E-01 | 1.03 | 8.56E-01 | 1.00E+00 |
| 204751\_x\_at | *DSC2* | 1.07 | 6.06E-01 | 7.93E-01 | 1.12 | 4.54E-01 | 1.00E+00 |
| 226817\_at | *DSC2* | 1.18 | 3.38E-02 | 1.78E-01 | 1.01 | 9.54E-01 | 1.00E+00 |
| 206032\_at | *DSC3* | 1.03 | 4.28E-01 | 6.68E-01 | 1.00 | 9.54E-01 | 1.00E+00 |
| 206033\_s\_at | *DSC3* | 0.95 | 1.69E-01 | 4.18E-01 | 1.01 | 8.62E-01 | 1.00E+00 |
| 206642\_at | *DSG1* | 0.97 | 4.39E-01 | 6.77E-01 | 0.98 | 6.75E-01 | 1.00E+00 |
| 1553105\_s\_at | *DSG2* | 1.16 | 1.33E-01 | 3.69E-01 | 1.12 | 4.47E-01 | 1.00E+00 |
| 217901\_at | *DSG2* | 1.17 | 3.25E-02 | 1.74E-01 | 1.09 | 3.52E-01 | 1.00E+00 |
| 205595\_at | *DSG3* | 0.45 | 1.03E-02 | 8.83E-02 | 0.59 | 5.54E-02 | 1.00E+00 |
| 235075\_at | *DSG3* | 0.32 | 3.65E-03 | 4.68E-02 | 0.51 | 4.34E-02 | 1.00E+00 |
| 1561330\_at | *DSG4* | 1.04 | 3.79E-01 | 6.29E-01 | 1.00 | 9.86E-01 | 1.00E+00 |
| 200606\_at | *DSP* | 1.27 | 3.29E-04 | 9.53E-03 | 1.15 | 1.70E-01 | 1.00E+00 |
| 215810\_x\_at | *DST* | 1.01 | 7.83E-01 | 8.97E-01 | 1.02 | 8.90E-01 | 1.00E+00 |
| 215814\_at | *DST* | 1.05 | 2.23E-01 | 4.81E-01 | 1.03 | 5.92E-01 | 1.00E+00 |
| 220154\_at | *DST* | 1.01 | 8.71E-01 | 9.41E-01 | 1.03 | 7.20E-01 | 1.00E+00 |
| 209365\_s\_at | *ECM1* | 0.68 | 2.67E-04 | 8.17E-03 | 0.70 | 2.54E-02 | 1.00E+00 |
| 219436\_s\_at | *EMCN* | 0.63 | 2.98E-03 | 4.16E-02 | 0.71 | 1.53E-01 | 1.00E+00 |
| 222885\_at | *EMCN* | 0.62 | 1.71E-03 | 2.83E-02 | 0.72 | 1.77E-01 | 1.00E+00 |
| 227874\_at | *EMCN* | 0.71 | 1.94E-02 | 1.30E-01 | 0.75 | 1.65E-01 | 1.00E+00 |
| 222354\_at | *F11R* | 1.27 | 9.88E-03 | 8.63E-02 | 1.01 | 9.30E-01 | 1.00E+00 |
| 223000\_s\_at | *F11R* | 1.09 | 1.46E-01 | 3.87E-01 | 1.02 | 7.45E-01 | 1.00E+00 |
| 224097\_s\_at | *F11R* | 1.02 | 8.24E-01 | 9.17E-01 | 1.00 | 9.77E-01 | 1.00E+00 |
| 221664\_s\_at | *F11R* | 1.09 | 2.10E-01 | 4.67E-01 | 1.06 | 4.62E-01 | 1.00E+00 |
| 206795\_at | *F2RL2* | 0.99 | 7.34E-01 | 8.69E-01 | 0.92 | 2.38E-01 | 1.00E+00 |
| 230147\_at | *F2RL2* | 0.86 | 1.51E-01 | 3.93E-01 | 0.80 | 8.12E-02 | 1.00E+00 |
| 221737\_at | *GNA12* | 0.88 | 1.92E-02 | 1.29E-01 | 0.95 | 4.70E-01 | 1.00E+00 |
| 224681\_at | *GNA12* | 0.80 | 1.16E-04 | 4.68E-03 | 0.86 | 1.47E-01 | 1.00E+00 |
| 231309\_at | *GNA12* | 1.06 | 1.70E-01 | 4.19E-01 | 1.06 | 3.85E-01 | 1.00E+00 |
| 208429\_x\_at | *HNF4A* | 1.06 | 5.69E-01 | 7.70E-01 | 1.10 | 6.25E-01 | 1.00E+00 |
| 214832\_at | *HNF4A* | 1.14 | 3.58E-02 | 1.84E-01 | 1.22 | 1.04E-01 | 1.00E+00 |
| 214851\_at | *HNF4A* | 1.04 | 4.92E-01 | 7.17E-01 | 1.08 | 2.66E-01 | 1.00E+00 |
| 216889\_s\_at | *HNF4A* | 1.09 | 1.44E-01 | 3.84E-01 | 0.96 | 6.65E-01 | 1.00E+00 |
| 230914\_at | *HNF4A* | 1.36 | 7.82E-04 | 1.70E-02 | 1.34 | 3.62E-02 | 1.00E+00 |
| 243027\_at | *IGSF5* | 1.09 | 4.22E-02 | 2.01E-01 | 1.02 | 7.43E-01 | 1.00E+00 |
| 201656\_at | *ITGA6* | 0.95 | 5.89E-01 | 7.82E-01 | 0.97 | 7.57E-01 | 1.00E+00 |
| 215177\_s\_at | *ITGA6* | 0.91 | 4.98E-01 | 7.22E-01 | 0.91 | 6.00E-01 | 1.00E+00 |
| 204989\_s\_at | *ITGB4* | 1.01 | 9.41E-01 | 9.75E-01 | 1.01 | 9.49E-01 | 1.00E+00 |
| 204990\_s\_at | *ITGB4* | 1.11 | 3.29E-01 | 5.86E-01 | 0.88 | 2.34E-01 | 1.00E+00 |
| 211905\_s\_at | *ITGB4* | 0.92 | 5.75E-01 | 7.74E-01 | 0.99 | 9.76E-01 | 1.00E+00 |
| 214292\_at | *ITGB4* | 1.05 | 3.15E-01 | 5.73E-01 | 1.13 | 8.15E-02 | 1.00E+00 |
| 230704\_s\_at | *ITGB4* | 1.13 | 2.31E-02 | 1.43E-01 | 1.10 | 3.13E-01 | 1.00E+00 |
| 219213\_at | *JAM2* | 0.64 | 1.51E-03 | 2.60E-02 | 0.70 | 1.01E-01 | 1.00E+00 |
| 212813\_at | *JAM3* | 0.58 | 3.85E-05 | 2.22E-03 | 0.83 | 1.74E-01 | 1.00E+00 |
| 231720\_s\_at | *JAM3* | 0.95 | 4.51E-01 | 6.87E-01 | 1.02 | 8.37E-01 | 1.00E+00 |
| 231721\_at | *JAM3* | 0.85 | 1.25E-02 | 1.00E-01 | 0.87 | 3.88E-02 | 1.00E+00 |
| 201015\_s\_at | *JUP* | 1.14 | 1.22E-01 | 3.54E-01 | 0.98 | 8.67E-01 | 1.00E+00 |
| 222346\_at | *LAMA1* | 1.03 | 5.84E-01 | 7.79E-01 | 0.96 | 5.77E-01 | 1.00E+00 |
| 227048\_at | *LAMA1* | 1.88 | 1.09E-03 | 2.10E-02 | 1.50 | 2.47E-01 | 1.00E+00 |
| 1560078\_at | *LAMA3* | 1.10 | 2.82E-02 | 1.60E-01 | 1.08 | 2.82E-01 | 1.00E+00 |
| 1563772\_a\_at | *LAMA3* | 1.04 | 3.96E-01 | 6.43E-01 | 1.05 | 5.54E-01 | 1.00E+00 |
| 1568879\_a\_at | *LAMA3* | 1.08 | 1.40E-01 | 3.79E-01 | 0.99 | 8.69E-01 | 1.00E+00 |
| 203726\_s\_at | *LAMA3* | 0.73 | 2.28E-02 | 1.42E-01 | 0.85 | 3.12E-01 | 1.00E+00 |
| 202202\_s\_at | *LAMA4* | 0.51 | 3.02E-04 | 8.93E-03 | 0.65 | 1.04E-01 | 1.00E+00 |
| 210089\_s\_at | *LAMA4* | 0.84 | 2.47E-02 | 1.49E-01 | 0.92 | 3.32E-01 | 1.00E+00 |
| 210989\_at | *LAMA4* | 0.96 | 3.55E-01 | 6.08E-01 | 0.93 | 2.33E-01 | 1.00E+00 |
| 210990\_s\_at | *LAMA4* | 0.91 | 7.54E-02 | 2.75E-01 | 1.07 | 4.60E-01 | 1.00E+00 |
| 210150\_s\_at | *LAMA5* | 0.76 | 3.29E-03 | 4.38E-02 | 0.74 | 6.97E-03 | 1.00E+00 |
| 201505\_at | *LAMB1* | 0.69 | 1.81E-03 | 2.94E-02 | 0.90 | 4.95E-01 | 1.00E+00 |
| 211651\_s\_at | *LAMB1* | 0.72 | 2.95E-03 | 4.12E-02 | 0.92 | 6.18E-01 | 1.00E+00 |
| 216264\_s\_at | *LAMB2* | 0.73 | 6.99E-04 | 1.59E-02 | 0.80 | 2.73E-02 | 1.00E+00 |
| 200770\_s\_at | *LAMC1* | 0.59 | 8.50E-06 | 8.00E-04 | 0.67 | 9.43E-03 | 1.00E+00 |
| 200771\_at | *LAMC1* | 0.50 | 5.26E-06 | 5.70E-04 | 0.55 | 7.52E-03 | 1.00E+00 |
| 202267\_at | *LAMC2* | 0.70 | 9.43E-03 | 8.42E-02 | 0.71 | 6.61E-02 | 1.00E+00 |
| 207517\_at | *LAMC2* | 0.75 | 3.54E-02 | 1.83E-01 | 0.79 | 9.81E-02 | 1.00E+00 |
| 1555262\_a\_at | *MAGI1* | 1.09 | 4.35E-02 | 2.05E-01 | 1.10 | 1.09E-01 | 1.00E+00 |
| 1559256\_at | *MAGI1* | 1.09 | 2.56E-02 | 1.52E-01 | 1.01 | 8.21E-01 | 1.00E+00 |
| 1559257\_a\_at | *MAGI1* | 1.07 | 8.76E-02 | 2.98E-01 | 1.06 | 3.31E-01 | 1.00E+00 |
| 206144\_at | *MAGI1* | 1.13 | 2.20E-03 | 3.35E-02 | 0.99 | 8.82E-01 | 1.00E+00 |
| 225465\_at | *MAGI1* | 1.23 | 4.82E-03 | 5.58E-02 | 1.04 | 7.11E-01 | 1.00E+00 |
| 232859\_s\_at | *MAGI1* | 1.10 | 3.14E-02 | 1.71E-01 | 0.93 | 4.80E-01 | 1.00E+00 |
| 207702\_s\_at | *MAGI2* | 1.07 | 1.24E-01 | 3.57E-01 | 1.20 | 1.14E-01 | 1.00E+00 |
| 209737\_at | *MAGI2* | 1.12 | 1.76E-01 | 4.26E-01 | 1.14 | 2.07E-01 | 1.00E+00 |
| 224307\_x\_at | *MAGI3* | 1.09 | 1.14E-01 | 3.42E-01 | 1.22 | 2.67E-02 | 1.00E+00 |
| 226770\_at | *MAGI3* | 1.36 | 4.18E-03 | 5.12E-02 | 1.20 | 5.94E-02 | 1.00E+00 |
| 235141\_at | *MARVELD2* | 1.34 | 2.80E-03 | 3.98E-02 | 1.10 | 2.86E-01 | 1.00E+00 |
| 235955\_at | *MARVELD2* | 1.27 | 5.23E-02 | 2.26E-01 | 1.16 | 2.86E-01 | 1.00E+00 |
| 233634\_at | *MARVELD3* | 1.42 | 2.13E-05 | 1.48E-03 | 1.42 | 8.82E-03 | 1.00E+00 |
| 239148\_at | *MARVELD3* | 1.39 | 1.02E-03 | 2.02E-02 | 1.24 | 8.40E-02 | 1.00E+00 |
| 239350\_at | *MARVELD3* | 1.64 | 1.51E-04 | 5.60E-03 | 1.17 | 3.26E-01 | 1.00E+00 |
| 209086\_x\_at | *MCAM* | 0.75 | 2.68E-04 | 8.19E-03 | 0.71 | 9.40E-03 | 1.00E+00 |
| 209087\_x\_at | *MCAM* | 0.55 | 4.96E-05 | 2.58E-03 | 0.62 | 3.16E-02 | 1.00E+00 |
| 210869\_s\_at | *MCAM* | 0.56 | 5.47E-05 | 2.75E-03 | 0.65 | 5.96E-02 | 1.00E+00 |
| 211042\_x\_at | *MCAM* | 1.02 | 6.17E-01 | 8.00E-01 | 0.99 | 8.40E-01 | 1.00E+00 |
| 211340\_s\_at | *MCAM* | 0.46 | 3.16E-06 | 4.01E-04 | 0.51 | 2.93E-03 | 1.00E+00 |
| 206000\_at | *MEP1A* | 1.69 | 7.30E-04 | 1.63E-02 | 1.63 | 1.35E-01 | 1.00E+00 |
| 214939\_x\_at | *MLLT4* | 1.05 | 5.18E-01 | 7.36E-01 | 1.18 | 2.08E-01 | 1.00E+00 |
| 215904\_at | *MLLT4* | 1.01 | 7.31E-01 | 8.68E-01 | 1.05 | 5.69E-01 | 1.00E+00 |
| 224685\_at | *MLLT4* | 1.21 | 4.48E-03 | 5.35E-02 | 1.16 | 8.42E-02 | 1.00E+00 |
| 229775\_s\_at | *MLLT4* | 1.13 | 2.07E-01 | 4.64E-01 | 1.14 | 5.22E-01 | 1.00E+00 |
| 230622\_at | *MLLT4* | 1.02 | 6.30E-01 | 8.08E-01 | 0.96 | 5.50E-01 | 1.00E+00 |
| 238871\_at | *MLLT4* | 1.04 | 2.04E-01 | 4.60E-01 | 1.03 | 5.64E-01 | 1.00E+00 |
| 205079\_s\_at | *MPDZ* | 0.78 | 2.11E-04 | 7.00E-03 | 0.79 | 3.45E-02 | 1.00E+00 |
| 213306\_at | *MPDZ* | 0.67 | 4.89E-04 | 1.25E-02 | 0.82 | 2.69E-01 | 1.00E+00 |
| 219321\_at | *MPP5* | 1.08 | 4.14E-01 | 6.57E-01 | 1.31 | 7.41E-03 | 1.00E+00 |
| 226092\_at | *MPP5* | 1.19 | 2.08E-02 | 1.35E-01 | 1.21 | 8.03E-02 | 1.00E+00 |
| 207847\_s\_at | *MUC1* | 1.30 | 2.61E-02 | 1.54E-01 | 0.71 | 2.36E-01 | 1.00E+00 |
| 211695\_x\_at | *MUC1* | 1.19 | 9.54E-02 | 3.11E-01 | 0.76 | 2.44E-01 | 1.00E+00 |
| 213693\_s\_at | *MUC1* | 1.23 | 5.50E-02 | 2.33E-01 | 0.79 | 3.41E-01 | 1.00E+00 |
| 1557906\_at | *MUC12* | 1.08 | 1.11E-01 | 3.38E-01 | 1.00 | 9.41E-01 | 1.00E+00 |
| 1557907\_x\_at | *MUC12* | 1.06 | 1.68E-01 | 4.17E-01 | 0.95 | 3.01E-01 | 1.00E+00 |
| 226654\_at | *MUC12* | 1.33 | 4.40E-02 | 2.06E-01 | 0.85 | 7.99E-01 | 1.00E+00 |
| 231814\_at | *MUC12* | 1.06 | 7.65E-01 | 8.87E-01 | 0.65 | 1.84E-01 | 1.00E+00 |
| 218687\_s\_at | *MUC13* | 1.18 | 7.88E-02 | 2.82E-01 | 1.15 | 1.95E-01 | 1.00E+00 |
| 222712\_s\_at | *MUC13* | 1.05 | 6.95E-01 | 8.47E-01 | 1.21 | 1.92E-01 | 1.00E+00 |
| 227238\_at | *MUC15* | 1.02 | 4.68E-01 | 7.00E-01 | 0.98 | 6.04E-01 | 1.00E+00 |
| 227241\_at | *MUC15* | 1.05 | 9.56E-02 | 3.11E-01 | 0.98 | 6.47E-01 | 1.00E+00 |
| 220196\_at | *MUC16* | 1.06 | 1.81E-01 | 4.32E-01 | 0.93 | 2.57E-01 | 1.00E+00 |
| 232321\_at | *MUC17* | 0.93 | 8.21E-01 | 9.15E-01 | 1.51 | 3.30E-01 | 1.00E+00 |
| 232407\_at | *MUC17* | 1.12 | 3.00E-02 | 1.66E-01 | 1.07 | 1.85E-01 | 1.00E+00 |
| 1553436\_at | *MUC19* | 1.03 | 3.56E-01 | 6.09E-01 | 1.00 | 9.41E-01 | 1.00E+00 |
| 204673\_at | *MUC2* | 1.17 | 1.43E-01 | 3.83E-01 | 0.94 | 6.91E-01 | 1.00E+00 |
| 226622\_at | *MUC20* | 1.36 | 1.07E-01 | 3.30E-01 | 1.00 | 9.95E-01 | 1.00E+00 |
| 230043\_at | *MUC20* | 1.28 | 9.67E-02 | 3.14E-01 | 1.18 | 2.65E-01 | 1.00E+00 |
| 231941\_s\_at | *MUC20* | 1.28 | 1.97E-01 | 4.52E-01 | 1.05 | 8.53E-01 | 1.00E+00 |
| 243774\_at | *MUC20* | 1.11 | 1.63E-01 | 4.10E-01 | 1.08 | 5.31E-01 | 1.00E+00 |
| 217117\_x\_at | *MUC3A* | 1.17 | 1.00E-02 | 8.71E-02 | 1.10 | 4.98E-01 | 1.00E+00 |
| 214676\_x\_at | *MUC3B* | 1.23 | 1.94E-03 | 3.09E-02 | 1.08 | 6.16E-01 | 1.00E+00 |
| 214898\_x\_at | *MUC3B* | 1.17 | 8.56E-02 | 2.95E-01 | 1.03 | 8.45E-01 | 1.00E+00 |
| 1561785\_at | *MUC4* | 1.32 | 2.18E-03 | 3.33E-02 | 0.89 | 4.04E-01 | 1.00E+00 |
| 204895\_x\_at | *MUC4* | 1.43 | 7.67E-03 | 7.46E-02 | 0.84 | 7.23E-01 | 1.00E+00 |
| 217109\_at | *MUC4* | 1.43 | 4.01E-03 | 4.99E-02 | 0.76 | 6.03E-01 | 1.00E+00 |
| 217110\_s\_at | *MUC4* | 1.53 | 3.22E-03 | 4.34E-02 | 0.70 | 5.26E-01 | 1.00E+00 |
| 235055\_x\_at | *MUC4* | 1.16 | 4.67E-03 | 5.48E-02 | 1.08 | 3.23E-01 | 1.00E+00 |
| 214303\_x\_at | *MUC5AC* | 0.87 | 4.09E-01 | 6.54E-01 | 0.29 | 3.32E-04 | 1.00E+00 |
| 214385\_s\_at | *MUC5AC* | 0.82 | 4.00E-01 | 6.46E-01 | 0.19 | 3.44E-04 | 1.00E+00 |
| 217182\_at | *MUC5AC* | 1.02 | 7.99E-01 | 9.04E-01 | 0.96 | 6.79E-01 | 1.00E+00 |
| 217187\_at | *MUC5AC* | 0.99 | 9.28E-01 | 9.69E-01 | 0.73 | 2.64E-01 | 1.00E+00 |
| 213432\_at | *MUC5B* | 1.22 | 1.41E-01 | 3.81E-01 | 0.48 | 8.03E-02 | 1.00E+00 |
| 222268\_x\_at | *MUC5B* | 1.05 | 7.01E-01 | 8.50E-01 | 1.05 | 6.28E-01 | 1.00E+00 |
| 1565666\_s\_at | *MUC6* | 1.02 | 7.48E-01 | 8.77E-01 | 0.50 | 2.33E-02 | 1.00E+00 |
| 214133\_at | *MUC6* | 1.04 | 5.09E-01 | 7.30E-01 | 0.53 | 2.69E-02 | 1.00E+00 |
| 216359\_at | *MUC7* | 1.03 | 4.44E-01 | 6.81E-01 | 1.00 | 9.54E-01 | 1.00E+00 |
| 217059\_at | *MUC7* | 1.02 | 4.30E-01 | 6.70E-01 | 1.01 | 8.38E-01 | 1.00E+00 |
| 216671\_x\_at | *MUC8* | 1.04 | 4.24E-01 | 6.65E-01 | 1.04 | 7.26E-01 | 1.00E+00 |
| 217295\_at | *MUC8* | 1.15 | 1.08E-02 | 9.14E-02 | 0.96 | 3.90E-01 | 1.00E+00 |
| 209888\_s\_at | *MYL1* | 1.02 | 6.25E-01 | 8.05E-01 | 1.04 | 5.61E-01 | 1.00E+00 |
| 209742\_s\_at | *MYL2* | 1.01 | 7.96E-01 | 9.03E-01 | 0.95 | 5.40E-01 | 1.00E+00 |
| 205589\_at | *MYL3* | 1.05 | 4.35E-01 | 6.74E-01 | 0.96 | 6.79E-01 | 1.00E+00 |
| 210088\_x\_at | *MYL4* | 1.01 | 7.55E-01 | 8.81E-01 | 0.97 | 6.39E-01 | 1.00E+00 |
| 210395\_x\_at | *MYL4* | 1.05 | 2.90E-01 | 5.50E-01 | 0.93 | 3.62E-01 | 1.00E+00 |
| 216054\_x\_at | *MYL4* | 1.06 | 1.31E-01 | 3.68E-01 | 0.96 | 6.96E-01 | 1.00E+00 |
| 217274\_x\_at | *MYL4* | 1.01 | 7.72E-01 | 8.91E-01 | 0.95 | 5.12E-01 | 1.00E+00 |
| 205145\_s\_at | *MYL5* | 1.18 | 4.97E-03 | 5.69E-02 | 1.14 | 2.34E-01 | 1.00E+00 |
| 212082\_s\_at | *MYL6* | 1.02 | 6.69E-01 | 8.31E-01 | 1.04 | 5.07E-01 | 1.00E+00 |
| 204173\_at | *MYL6B* | 0.84 | 2.32E-02 | 1.44E-01 | 0.95 | 5.55E-01 | 1.00E+00 |
| 219942\_at | *MYL7* | 0.99 | 7.98E-01 | 9.04E-01 | 1.00 | 9.71E-01 | 1.00E+00 |
| 201058\_s\_at | *MYL9* | 0.54 | 2.14E-03 | 3.29E-02 | 0.55 | 3.11E-02 | 1.00E+00 |
| 1563466\_at | *MYLK* | 1.01 | 8.64E-01 | 9.38E-01 | 1.02 | 7.26E-01 | 1.00E+00 |
| 1568770\_at | *MYLK* | 1.13 | 4.65E-02 | 2.12E-01 | 0.99 | 9.41E-01 | 1.00E+00 |
| 1569956\_at | *MYLK* | 1.03 | 3.58E-01 | 6.12E-01 | 1.06 | 2.20E-01 | 1.00E+00 |
| 202555\_s\_at | *MYLK* | 0.96 | 7.50E-01 | 8.78E-01 | 0.81 | 2.74E-01 | 1.00E+00 |
| 224823\_at | *MYLK* | 0.87 | 3.06E-01 | 5.65E-01 | 0.80 | 2.40E-01 | 1.00E+00 |
| 208452\_x\_at | *MYO9B* | 1.05 | 4.45E-01 | 6.82E-01 | 1.00 | 9.87E-01 | 1.00E+00 |
| 214780\_s\_at | *MYO9B* | 1.06 | 2.36E-01 | 4.95E-01 | 0.95 | 4.34E-01 | 1.00E+00 |
| 217297\_s\_at | *MYO9B* | 0.86 | 1.35E-02 | 1.05E-01 | 0.91 | 3.08E-01 | 1.00E+00 |
| 209925\_at | *OCLN* | 1.08 | 5.40E-01 | 7.51E-01 | 1.30 | 6.22E-02 | 1.00E+00 |
| 205432\_at | *OVGP1* | 1.07 | 2.47E-01 | 5.07E-01 | 1.05 | 6.96E-01 | 1.00E+00 |
| 210094\_s\_at | *PARD3* | 1.11 | 1.45E-01 | 3.85E-01 | 0.99 | 9.36E-01 | 1.00E+00 |
| 221280\_s\_at | *PARD3* | 1.12 | 1.07E-02 | 9.09E-02 | 0.98 | 7.93E-01 | 1.00E+00 |
| 221526\_x\_at | *PARD3* | 1.13 | 5.21E-02 | 2.26E-01 | 1.00 | 9.96E-01 | 1.00E+00 |
| 221527\_s\_at | *PARD3* | 1.19 | 1.56E-02 | 1.14E-01 | 0.92 | 3.18E-01 | 1.00E+00 |
| 205724\_at | *PKP1* | 1.09 | 1.19E-01 | 3.50E-01 | 0.99 | 9.22E-01 | 1.00E+00 |
| 221854\_at | *PKP1* | 1.11 | 2.36E-02 | 1.45E-01 | 0.97 | 6.54E-01 | 1.00E+00 |
| 207717\_s\_at | *PKP2* | 1.19 | 9.30E-02 | 3.07E-01 | 1.00 | 9.83E-01 | 1.00E+00 |
| 214154\_s\_at | *PKP2* | 0.99 | 9.44E-01 | 9.76E-01 | 0.95 | 8.36E-01 | 1.00E+00 |
| 209872\_s\_at | *PKP3* | 1.04 | 7.17E-01 | 8.60E-01 | 0.99 | 9.69E-01 | 1.00E+00 |
| 209873\_s\_at | *PKP3* | 1.17 | 5.59E-02 | 2.35E-01 | 0.98 | 8.79E-01 | 1.00E+00 |
| 201927\_s\_at | *PKP4* | 1.02 | 8.26E-01 | 9.18E-01 | 0.95 | 6.29E-01 | 1.00E+00 |
| 201928\_at | *PKP4* | 0.97 | 6.91E-01 | 8.45E-01 | 0.93 | 4.29E-01 | 1.00E+00 |
| 201929\_s\_at | *PKP4* | 0.95 | 5.76E-01 | 7.74E-01 | 1.00 | 1.00E+00 | 1.00E+00 |
| 214874\_at | *PKP4* | 1.02 | 7.26E-01 | 8.65E-01 | 1.03 | 6.91E-01 | 1.00E+00 |
| 201373\_at | *PLEC1* | 1.04 | 6.88E-01 | 8.43E-01 | 0.88 | 2.35E-01 | 1.00E+00 |
| 216971\_s\_at | *PLEC1* | 0.86 | 2.63E-01 | 5.24E-01 | 1.00 | 9.96E-01 | 1.00E+00 |
| 228450\_at | *PLEKHA7* | 1.16 | 1.25E-01 | 3.58E-01 | 0.90 | 2.95E-01 | 1.00E+00 |
| 203407\_at | *PPL* | 0.82 | 1.01E-01 | 3.21E-01 | 1.21 | 9.10E-02 | 1.00E+00 |
| 204896\_s\_at | *PTGER4* | 1.16 | 1.11E-01 | 3.38E-01 | 1.03 | 8.40E-01 | 1.00E+00 |
| 204897\_at | *PTGER4* | 1.32 | 2.47E-03 | 3.65E-02 | 0.87 | 1.97E-01 | 1.00E+00 |
| 204935\_at | *PTPN2* | 0.83 | 3.13E-03 | 4.27E-02 | 0.90 | 2.01E-01 | 1.00E+00 |
| 213136\_at | *PTPN2* | 0.83 | 1.06E-03 | 2.06E-02 | 0.97 | 7.31E-01 | 1.00E+00 |
| 213137\_s\_at | *PTPN2* | 0.84 | 1.68E-02 | 1.19E-01 | 0.94 | 6.27E-01 | 1.00E+00 |
| 241622\_at | *PTPN2* | 0.96 | 3.51E-01 | 6.05E-01 | 0.94 | 2.27E-01 | 1.00E+00 |
| 241623\_at | *PTPN2* | 1.00 | 9.92E-01 | 9.96E-01 | 1.07 | 3.82E-01 | 1.00E+00 |
| 241983\_at | *PTPN2* | 1.03 | 5.57E-01 | 7.62E-01 | 0.97 | 5.53E-01 | 1.00E+00 |
| 223969\_s\_at | *RETNLB* | 3.27 | 3.82E-04 | 1.05E-02 | 1.10 | 8.21E-01 | 1.00E+00 |
| 223970\_at | *RETNLB* | 2.81 | 2.22E-04 | 7.23E-03 | 0.97 | 9.39E-01 | 1.00E+00 |
| 1555814\_a\_at | *RHOA* | 0.82 | 5.01E-02 | 2.21E-01 | 1.03 | 8.48E-01 | 1.00E+00 |
| 200059\_s\_at | *RHOA* | 0.94 | 8.59E-02 | 2.95E-01 | 0.96 | 4.56E-01 | 1.00E+00 |
| 240337\_at | *RHOA* | 0.99 | 6.82E-01 | 8.39E-01 | 1.01 | 8.44E-01 | 1.00E+00 |
| 213044\_at | *ROCK1* | 0.83 | 1.38E-03 | 2.46E-02 | 0.95 | 6.39E-01 | 1.00E+00 |
| 214578\_s\_at | *ROCK1* | 0.78 | 1.37E-03 | 2.45E-02 | 0.99 | 9.47E-01 | 1.00E+00 |
| 230239\_at | *ROCK1* | 1.06 | 1.22E-01 | 3.55E-01 | 1.02 | 7.28E-01 | 1.00E+00 |
| 235854\_x\_at | *ROCK1* | 1.02 | 6.53E-01 | 8.22E-01 | 0.94 | 4.27E-01 | 1.00E+00 |
| 202762\_at | *ROCK2* | 1.06 | 4.25E-01 | 6.66E-01 | 1.03 | 7.39E-01 | 1.00E+00 |
| 211504\_x\_at | *ROCK2* | 1.06 | 2.16E-01 | 4.73E-01 | 1.13 | 6.07E-02 | 1.00E+00 |
| 1554595\_at | *SYMPK* | 1.18 | 2.90E-02 | 1.63E-01 | 1.18 | 7.21E-02 | 1.00E+00 |
| 202339\_at | *SYMPK* | 0.95 | 3.32E-01 | 5.88E-01 | 1.01 | 9.35E-01 | 1.00E+00 |
| 32402\_s\_at | *SYMPK* | 1.00 | 9.72E-01 | 9.88E-01 | 0.96 | 6.62E-01 | 1.00E+00 |
| 203753\_at | *TCF4* | 0.49 | 9.97E-05 | 4.25E-03 | 0.65 | 1.62E-01 | 1.00E+00 |
| 212382\_at | *TCF4* | 0.56 | 2.12E-04 | 7.02E-03 | 0.78 | 3.64E-01 | 1.00E+00 |
| 212385\_at | *TCF4* | 0.45 | 3.23E-06 | 4.04E-04 | 0.80 | 3.60E-01 | 1.00E+00 |
| 212386\_at | *TCF4* | 0.52 | 1.14E-04 | 4.64E-03 | 0.75 | 2.96E-01 | 1.00E+00 |
| 212387\_at | *TCF4* | 0.53 | 3.58E-05 | 2.11E-03 | 0.72 | 2.27E-01 | 1.00E+00 |
| 213891\_s\_at | *TCF4* | 0.48 | 3.56E-05 | 2.10E-03 | 0.65 | 1.01E-01 | 1.00E+00 |
| 222146\_s\_at | *TCF4* | 0.43 | 1.22E-05 | 1.03E-03 | 0.67 | 1.33E-01 | 1.00E+00 |
| 228837\_at | *TCF4* | 0.75 | 1.08E-03 | 2.08E-02 | 0.83 | 3.15E-01 | 1.00E+00 |
| 205009\_at | *TFF1* | 0.77 | 7.80E-02 | 2.81E-01 | 0.56 | 1.61E-02 | 1.00E+00 |
| 214476\_at | *TFF2* | 0.72 | 1.37E-01 | 3.75E-01 | 0.22 | 1.57E-02 | 1.00E+00 |
| 204623\_at | *TFF3* | 1.25 | 3.37E-02 | 1.78E-01 | 1.01 | 9.48E-01 | 1.00E+00 |
| 202011\_at | *TJP1* | 1.01 | 8.23E-01 | 9.16E-01 | 1.01 | 9.10E-01 | 1.00E+00 |
| 214168\_s\_at | *TJP1* | 0.99 | 9.43E-01 | 9.76E-01 | 0.93 | 6.29E-01 | 1.00E+00 |
| 202085\_at | *TJP2* | 1.08 | 3.28E-01 | 5.85E-01 | 1.05 | 5.34E-01 | 1.00E+00 |
| 232017\_at | *TJP2* | 1.29 | 3.67E-02 | 1.87E-01 | 1.22 | 3.07E-01 | 1.00E+00 |
| 237132\_at | *TJP2* | 1.09 | 5.02E-02 | 2.21E-01 | 1.01 | 8.51E-01 | 1.00E+00 |
| 242991\_at | *TJP2* | 1.03 | 4.18E-01 | 6.60E-01 | 0.99 | 9.17E-01 | 1.00E+00 |
| 213412\_at | *TJP3* | 1.28 | 7.42E-03 | 7.30E-02 | 1.12 | 2.74E-01 | 1.00E+00 |
| 35148\_at | *TJP3* | 1.37 | 8.81E-04 | 1.85E-02 | 1.15 | 2.83E-01 | 1.00E+00 |
| 204253\_s\_at | *VDR* | 1.15 | 1.77E-02 | 1.23E-01 | 0.90 | 2.35E-01 | 1.00E+00 |
| 204254\_s\_at | *VDR* | 1.35 | 2.02E-04 | 6.83E-03 | 1.05 | 5.29E-01 | 1.00E+00 |
| 204255\_s\_at | *VDR* | 1.20 | 3.48E-02 | 1.81E-01 | 0.83 | 1.11E-01 | 1.00E+00 |
| 213692\_s\_at | *VDR* | 1.13 | 3.44E-03 | 4.50E-02 | 1.01 | 8.46E-01 | 1.00E+00 |

|  |  |
| --- | --- |
|  | >2FC and FDR<0.05 |
|  | FDR<0.05 |

For UC patients, only colon tissue samples were used. Response to infliximab was defined as endoscopic and histological healing. IBDc, colon from IBD patients; CDi, ileum from CD patients; CDc, colon from CD patients; n, number; R, responders; NR, non-responders; FC, fold change; FDR, false discovery rate.

**B**

**A**

**Supplementary Figure 1: Distribution of genetic barrier risk scores for CD and UC patients versus controls**

Both distributions were significantly different between cases and controls with Mann-Whitney U testing (p<2.2x10-16).

A, CD versus controls; B, UC versus controls.

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**Supplementary Figure 2: Heat map of the microarray barrier gene expression values in colonic mucosal biopsies of IBD patients and controls**

Unsupervised hierarchical clustering was performed on all selected barrier gene probe sets and colon samples from IBD patients and controls. The log2 expression values are shown, with higher levels in yellow and lower levels in blue as indicated by the colour key.

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**Supplementary Figure 3: Heat map of the microarray barrier gene expression values in ileal mucosal biopsies of CD patients and controls**

Unsupervised hierarchical clustering was performed on all selected barrier gene probe sets and ileum samples from CD patients and controls. The log2 expression values are shown, with higher levels in yellow and lower levels in blue as indicated by the colour key.

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**Supplementary Figure 4: Highest Spearman’s Rank Correlations between dysregulated genes in the colon or ileum, and the inflammatory marker *IL8***

Scatter plots of the highest correlations between *IL8* and four up- and downregulated genes in the colon (n=116; *LAMC1* (A) and *MAGI1* (C)) and ileum (n=78; *CLDN1* (B) and *CLDN8* (D)).