

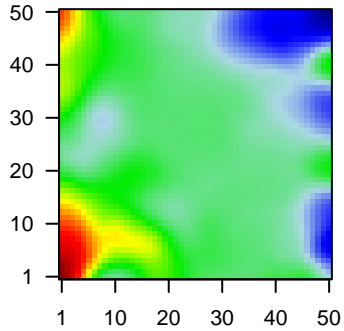
# MPI-122

## Global Summary

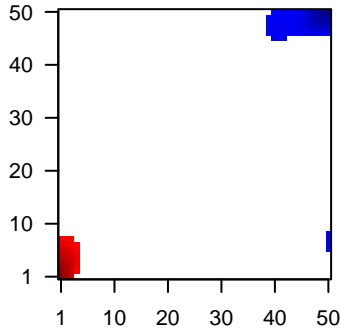
%DE = 0.05  
 # genes with fdr < 0.2 = 685 ( 466 + / 219 - )  
 # genes with fdr < 0.1 = 442 ( 315 + / 127 - )  
 # genes with fdr < 0.05 = 308 ( 229 + / 79 - )  
 # genes with fdr < 0.01 = 166 ( 116 + / 50 - )  
  
 # genes in genesets = 13152

<FC> = 0  
 <t-score> = 0.07  
 <p-value> = 0.26  
 <fdr> = 0.95

Portrait



Regulated Metagenes



## Global Genelist

| Rank | ID          | log(FC) | fdr   | p-value | Description  |
|------|-------------|---------|-------|---------|--|
| 1    | 202003_s_at | -1.94   | 2e-16 | 9e-13   | 34 x 49 acetyl-CoA acyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:10000]                           |
| 2    | 209278_s_at | 2.27    | 2e-16 | 9e-13   | 14 x 6 tissue factor pathway inhibitor 2 [Source:HGNC Symbol;Acc:HGNC:10000]                       |
| 3    | 211597_s_at | 2.37    | 2e-16 | 9e-13   | 6 x 3 HOP homeobox [Source:HGNC Symbol;Acc:HGNC:24961]   |
| 4    | 213831_at   | -1.52   | 2e-16 | 9e-13   | 49 x 16 major histocompatibility complex, class II, DQ alpha 1 [Source:HGNC Symbol;Acc:HGNC:10000] |
| 5    | 221123_x_at | -1.87   | 2e-16 | 9e-13   | 47 x 42 F-box protein 16 [Source:HGNC Symbol;Acc:HGNC:13618]                                       |
| 6    | 206310_at   | 2.07    | 7e-16 | 7e-12   | 17 x 6 serine peptidase inhibitor, Kazal type 2 [Source:HGNC Symbol;Acc:HGNC:10000]                |
| 7    | 203290_at   | 1.81    | 9e-16 | 3e-11   | 7 x 0 major histocompatibility complex, class II, DQ alpha 2 [Source:HGNC Symbol;Acc:HGNC:10000]   |
| 8    | 217022_s_at | 1.36    | 2e-15 | 3e-11   | 0 x 2 immunoglobulin heavy constant alpha 2 (A2m marker) [Source:HGNC Symbol;Acc:HGNC:10000]       |
| 9    | 206140_at   | 2.02    | 3e-15 | 3e-11   | 5 x 12 LIM homeobox 2 [Source:HGNC Symbol;Acc:HGNC:6594]   |
| 10   | 211828_s_at | 2.01    | 4e-15 | 5e-11   | 12 x 19 TRAF2 and NCK interacting kinase [Source:HGNC Symbol;Acc:HGNC:10000]                       |
| 11   | 220049_s_at | 2       | 7e-15 | 5e-11   | 8 x 12 programmed cell death 1 ligand 2 [Source:HGNC Symbol;Acc:HGNC:10000]                        |
| 12   | 39318_at    | -1.04   | 1e-14 | 2e-09   | 46 x 49 T cell leukemia/lymphoma 1A [Source:HGNC Symbol;Acc:HGNC:10000]                            |
| 13   | 213938_at   | 1.88    | 3e-13 | 2e-09   | 27 x 6 ELKS/RAB6-interacting/CAST family member 2 [Source:HGNC Symbol;Acc:HGNC:10000]              |
| 14   | 201744_s_at | -1.29   | 3e-13 | 2e-09   | 8 x 0 lumican [Source:HGNC Symbol;Acc:HGNC:6724]   |
| 15   | 216905_s_at | -1.52   | 3e-13 | 2e-09   | 43 x 49 suppression of tumorigenicity 14 [Source:HGNC Symbol;Acc:HGNC:10000]                       |
| 16   | 202005_at   | -1.18   | 4e-13 | 2e-09   | 43 x 47 suppression of tumorigenicity 14 [Source:HGNC Symbol;Acc:HGNC:10000]                       |
| 17   | 218149_s_at | -1.31   | 5e-13 | 4e-09   | 47 x 42 zinc finger protein 395 [Source:HGNC Symbol;Acc:HGNC:18000]                                |
| 18   | 203029_s_at | 1.84    | 7e-13 | 2e-08   | 17 x 20 protein tyrosine phosphatase, receptor type N2 [Source:HGNC Symbol;Acc:HGNC:10000]         |
| 19   | 208791_at   | 1.24    | 1e-12 | 2e-08   | 0 x 3 clusterin [Source:HGNC Symbol;Acc:HGNC:2095]   |
| 20   | 205484_at   | -1.02   | 3e-12 | 2e-08   | 43 x 44 signaling threshold regulating transmembrane adaptor 1 [Source:HGNC Symbol;Acc:HGNC:10000] |

## Global Geneset Analysis

| Rank                  | GSZ    | p-value | #all | Geneset  |
|-----------------------|--------|---------|------|--|
| <i>Overexpressed</i>  |        |         |      |  |
| 1                     | 20.66  | NULL    | 589  | Colon Cancer Lembecke_TCGA-expr_kmeans_E_CIMP_H_UP_Cluster4_DN |
| 2                     | 18.18  | NULL    | 166  | HM HALLMARK_INTERFERON_GAMMA_RESPONSE                          |
| 3                     | 17.84  | NULL    | 265  | GSEA C2WALLACE_PROSTATE_CANCER_RACE_UP                         |
| 4                     | 17.39  | NULL    | 317  | Cancer SPANG_BCL6-index2                                       |
| 5                     | 17.36  | NULL    | 355  | Reference Signature immune system                              |
| 6                     | 16.9   | NULL    | 85   | Lymphoma SHa_DLBCL_UP  |
| 7                     | 15.93  | NULL    | 255  | GSEA C2HELLER_SILENCED_BY_METHYLATION_UP                       |
| 8                     | 15.57  | NULL    | 102  | Reference Signature B-cells                                    |
| 9                     | 15.36  | NULL    | 213  | Lymphoma SPANG_IL21_DN   |
| 10                    | 14.78  | NULL    | 429  | GSEA C2SMID_BREAST_CANCER_NORMAL_LIKE_UP                       |
| 11                    | 14.46  | NULL    | 76   | HM HALLMARK_INTERFERON_ALPHA_RESPONSE                          |
| 12                    | 13.65  | NULL    | 62   | GSEA C2BROWNE_INTERFERON_RESPONSE_GENES                        |
| 13                    | 13.6   | NULL    | 90   | GSEA C2BASSO_CD40_SIGNALING_UP                                 |
| 14                    | 13.46  | NULL    | 40   | GSEA C2FARMER_BREAST_CANCER_CLUSTER_1                          |
| 15                    | 13.35  | NULL    | 72   | Reference Signature 3,1-Interferon-inducible                   |
| 16                    | 13.35  | NULL    | 229  | GSEA C2O1_PLASMACYTOMA_UP                                      |
| 17                    | 13.06  | NULL    | 447  | Glioma ScoV_0.999_Sturm_E4_Mesenchymal_RTK_I_PDGFR_A_DN        |
| 18                    | 12.93  | NULL    | 5404 | Lymphoma HOPP_Strong_enhancer                                  |
| 19                    | 12.68  | NULL    | 353  | Lymphoma SPANG_CD40_6hrs_DN                                    |
| 20                    | 12.33  | NULL    | 932  | Chromatin state peripheral blood_3_TxFlank                     |
| <i>Underexpressed</i> |        |         |      |  |
| 1                     | -11.75 | NULL    | 602  | Colon Cancer track_CRC_TCGA_corr_R_normal_DN                   |
| 2                     | -11.1  | NULL    | 575  | GSEA C2CAIRO_HEPATOBLASTOMA_CLASSES_UP                         |
| 3                     | -10.59 | NULL    | 561  | Colon Cancer track_CRC_TCGA_group.over_C_normal_DN             |
| 4                     | -9.5   | NULL    | 726  | GSEA C2PUJANA_CHEK2_PCC_NETWORK                                |
| 5                     | -9.32  | NULL    | 758  | GSEA C2NUYTEN_EZH2_TARGETS_DN                                  |
| 6                     | -9     | NULL    | 728  | GSEA C2KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_DN                    |
| 7                     | -8.61  | NULL    | 174  | GSEA C2GRAHAM_CML_DIVIDING_VS_NORMAL QUIESCENT_UP              |
| 8                     | -8.61  | NULL    | 669  | GSEA C2JOHNSTONE_PARVB_TARGETS_3_DN                            |
| 9                     | -8.59  | NULL    | 319  | Melanoma Berber_wt/wt_melanoma-cells-SpotA                     |
| 10                    | -8.53  | NULL    | 280  | GSEA C2MANALO_HYPOXIA_DN                                       |
| 11                    | -8.05  | NULL    | 703  | GSEA C2LEE_BMP2_TARGETS_DN                                     |
| 12                    | -7.86  | NULL    | 294  | GSEA C2WONG_EMBRYONIC_STEM_CELL_CORE                           |
| 13                    | -7.8   | NULL    | 72   | GSEA C2SCHUHMACHER_MYC_TARGETS_UP                              |
| 14                    | -7.6   | NULL    | 509  | GSEA C2RODRIGUES_THYROID_CARCINOMA_POORLY_DIFFERENTIAL         |
| 15                    | -7.48  | NULL    | 1527 | GSEA C2PUJANA_BRCA1_PCC_NETWORK                                |
| 16                    | -7.45  | NULL    | 340  | GSEA C2RHEIN_ALL_GLUCCORTICOID_THERAPY_DN                      |
| 17                    | -7.24  | NULL    | 651  | GSEA C2KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_DN                     |
| 18                    | -7.11  | NULL    | 616  | GSEA C2WEI_MYCN_TARGETS_WITH_E_BOX                             |
| 19                    | -7.03  | NULL    | 439  | GSEA C2SHEDDEN_LUNG_CANCER_POOR_SURVIVAL_A6                    |
| 20                    | -6.98  | NULL    | 409  | Cancer Lembecke_Normal vs Adenoma                              |

p-values

