

SUPPLEMENTARY TABLES

Please browse Full Text version to see the data of Supplementary Tables 1 and 2.

Supplementary Table 1.

Supplementary Table 2.

Supplementary Table 3.

| ID | Description | GeneRatio | BgRatio | pvalue | p.adjust | qvalue | geneID | Count |
|----------|------------------------|-----------|----------|----------|----------|----------|------------------------------------------------------|-------|
| hsa05206 | MicroRNAs in cancer | 11841 | 299/7466 | 0.001473 | 0.117837 | 0.117837 | VEGFA/MIR25/ MIR200A/MIR135B/ MIR200B/MIR199A1 | 6 |
| hsa04931 | Insulin resistance | 11749 | 107/7466 | 0.010498 | 0.419906 | 0.419906 | MLXIPL/OGT/CPT1B | 3 |

Please browse Full Text version to see the data of Supplementary Table 4.

Supplementary Table 4.

Supplementary Table 5.

| ID | Description | GeneRatio | BgRatio | pvalue | p.adjust | qvalue | geneID | Count |
|----------|-----------------------------------|-----------|----------|----------|----------|----------|----------------------------------------|-------|
| hsa04926 | Relaxin signaling pathway | 26420 | 130/7466 | 0.008169 | 0.38588 | 0.365784 | RLN1/ADCY3/ PLCB4/RLN2/ GNG4 | 5 |
| hsa03022 | Basal transcription factors | 26359 | 45/7466 | 0.009133 | 0.38588 | 0.365784 | TAF4/GTF2F2/ GTF2IRD1 | 3 |
| hsa00510 | N-Glycan biosynthesis | 26359 | 49/7466 | 0.011538 | 0.38588 | 0.365784 | RPN2/ALG5/ MGAT5 | 3 |
| hsa05110 | Vibrio cholerae infection | 26359 | 50/7466 | 0.012191 | 0.38588 | 0.365784 | PLCG1/ADCY3/ ATP6V1C2 | 3 |
| hsa04713 | Circadian entrainment | 26390 | 96/7466 | 0.013566 | 0.38588 | 0.365784 | ADCY3/PLCB4/ CACNA1D/ GNG4 | 4 |
| hsa04310 | Wnt signaling pathway | 26420 | 149/7466 | 0.014186 | 0.38588 | 0.365784 | AXIN2/CSNK2A2/ TCF7/PLCB4/ NKD1 | 5 |
| hsa04916 | Melanogenesis | 26390 | 101/7466 | 0.016087 | 0.38588 | 0.365784 | ADCY3/TCF7/ PLCB4/ASIP | 4 |
| hsa04934 | Cushing syndrome | 26420 | 154/7466 | 0.016163 | 0.38588 | 0.365784 | ADCY3/AXIN2/ TCF7/PLCB4/ CACNA1D | 5 |

| | | | | | | | | |
|----------|----------------------------------|-------|----------|----------|----------|----------|---------------------------------------|---|
| hsa04725 | Cholinergic synapse | 26390 | 112/7466 | 0.02262 | 0.390425 | 0.370091 | ADCY3/PLCB4/ CACNA1D/GNG4 | 4 |
| hsa04927 | Cortisol synthesis and secretion | 26359 | 64/7466 | 0.023557 | 0.390425 | 0.370091 | ADCY3/PLCB4/ CACNA1D | 3 |
| hsa04724 | Glutamatergic synapse | 26390 | 114/7466 | 0.023959 | 0.390425 | 0.370091 | ADCY3/PLCB4/ CACNA1D/GNG4 | 4 |
| hsa04137 | Mitophagy - animal | 26359 | 65/7466 | 0.024529 | 0.390425 | 0.370091 | BCL2L1/ATG9B/ CSNK2A2 | 3 |
| hsa00562 | Inositol phosphate metabolism | 26359 | 74/7466 | 0.034249 | 0.487047 | 0.461681 | PLCG1/PLCB4/ INPP5D | 3 |
| hsa05016 | Huntington disease | 26420 | 193/7466 | 0.038044 | 0.487047 | 0.461681 | TAF4/SDHA/ PLCB4/ATP5A1/ DNAH14 | 5 |
| hsa04915 | Estrogen signaling pathway | 26390 | 137/7466 | 0.042819 | 0.487047 | 0.461681 | ADCY3/PLCB4/ KRT23/KRT39 | 4 |
| hsa04146 | Peroxisome DNA replication | 26359 | 83/7466 | 0.045682 | 0.487047 | 0.461681 | ECH1/PIPOX/ MPV17L | 3 |
| hsa03030 | TGF-beta signaling pathway | 26330 | 36/7466 | 0.046803 | 0.487047 | 0.461681 | RNASEH2B/RFC3 | 2 |
| hsa04350 | Insulin secretion | 26359 | 85/7466 | 0.04845 | 0.487047 | 0.461681 | TFDP1/TGIF2/ NODAL | 3 |
| hsa04911 | | 26359 | 85/7466 | 0.04845 | 0.487047 | 0.461681 | ADCY3/PLCB4/ CACNA1D | 3 |

Please browse Full Text version to see the data of Supplementary Tables 6–8.

Supplementary Table 6.

Supplementary Table 7.

Supplementary Table 8.