Supplemental Table 3

**CCI 24 h Positive**

|  |  |
| --- | --- |
| Function | GO term |
| chromatin remodeling | nuclear heterochromatin (CC) |
|   | histone deubiquitination (BP) |
| cell proliferation | negative regulation of DNA-dependent DNA replication(BP) |
|   | regulation of DNA-dependent DNA replication initiation (BP) |
|   | cell proliferation in forebrain (BP) |
|   | Synapsis (BP) |
| cell differentiation | negative regulation of lymphocyte differentiation (BP) |
|   | negative regulation of T cell differentiation in thymus (BP) |
| microtubule anchoring | pericentriolar material(CC) |
| transcription | STAGA complex (CC) |
|   | transcription factor TFTC complex (CC) |
|   | negative regulation of NF-kappaB transcription factor activity (BP) |
|   | NF-kappaB binding (MF) |
| Nuclear transport | Nup107-160 complex (CC) |
|   | mRNA export from nucleus (BP) |
|   | nuclear export (BP) |
|   | nucleus localization (BP) |
|   | nucleocytoplasmic transporter activity (MF) |
| white blood cell apoptosis | positive regulation of lymphocyte apoptosis (BP) |
|   | positive regulation of thymocyte apoptosis (BP) |
|   | regulation of leukocyte apoptosis (BP) |
|   | regulation of T cell apoptosis (BP) |
| synaptic transmission | regulation of synaptic transmission, GABAergic (BP) |
| protein synthesis and processing | negative regulation of protein secretion (BP) |
|   | ribosome biogenesis (BP) |
|   | rRNA processing (BP) |
|   | signal peptide processing (BP) |

**CCI 24h Negative**

|  |  |
| --- | --- |
| Function | GO term |
| aerobic respiration | respiratory chain (CC) |
|   | mitochondrial respiratory chain complex I (CC) |
|   | NADH dehydrogenase complex (CC) |
|   | NADH dehydrogenase (ubiquinone) activity (MF) |
|   | NADH dehydrogenase activity (MF) |
|   | electron transport chain (BP) |
| protein maturation | chaperonin-containing T-complex (CC) |
|   | Golgi transport complex (CC) |
|   | ribosome binding (MF) |
| alternative splicing | Cajal body (CC) |
| androgen signaling | androgen receptor binding (MF) |
|   | estradiol 17-beta-dehydrogenase activity (MF) |
|   | steroid dehydrogenase activity (MF) |
| protein catabolism | ER-associated protein catabolic process (BP) |
|   | negative regulation of proteasomal ubiquitin-dependent protein catabolic process (BP) |
| intracellular signaling | regulation of Rac GTPase activity (BP) |
|   | positive regulation of transforming growth factor beta receptor signaling pathway (BP) |
|   | Roundabout binding (MF) |
|   | beta-amyloid binding (MF) |
| ribonucleoside metabolism | purine nucleoside biosynthetic process (BP) |
|   | purine nucleoside monophosphate biosynthetic process (BP) |
|   | purine ribonucleoside metabolic process (BP) |
|   | ribonucleoside biosynthetic process (BP) |
|   | ribonucleoside monophosphate biosynthetic process (BP) |

**CCI 7d Positive**

|  |  |
| --- | --- |
| Function | GO term |
| intracellular trafficking | mRNA export from nucleus (BP) |
|   | negative regulation of transcription factor import into nucleus (BP) |
|   | negative regulation of nucleocytoplasmic transport (BP) |
|   | negative regulation of transmembrane transport (BP) |
|   | negative regulation of intracellular protein transport (BP) |
|   | regulation of lipid transport (BP) |
| gene expression | PML body (CC) |
|   | positive regulation of protein complex assembly (BP) |
| signaling  | MAP kinase kinase kinase activity (MF) |
| cellular response to ROS | cellular response to reactive oxygen species (BP) |
|   | cellular response to superoxide (BP) |
|   | response to oxygen radical (BP) |
|   | superoxide metabolic process (BP) |
| lipid metabolism | negative regulation of lipid storage (BP) |
|   | long-chain fatty acid metabolic process (BP) |
| actin polymerization | positive regulation of actin filament polymerization (BP) |
| cell-matrix adhesion | regulation of cell-matrix adhesion (BP) |
|   | apoptotic cell clearance cd36,ITGAV, should be cell adhesion "cellular membrane organization" (BP) |

**CCI 7d Negative**

|  |  |
| --- | --- |
| Function | GO term |
| alternative splicing | Cajal body (CC) |
| actin depolymerization | actin filament capping (BP) |
|   | regulation of actin filament depolymerization (BP) |
| protein maturation | chaperonin-containing T-complex (CC) |
|   | ribosomal small subunit biogenesis (BP) |
|   | rRNA processing (BP) |
|   | ribosome binding (MF) |
| signaling | protein phosphatase inhibitor activity (MF) |
| DNA repair | nucleic acid phosphodiester bond hydrolysis (BP) |
|   | nucleotide-excision repair, DNA damage removal (BP) |
|   | nucleotide-excision repair, DNA incision, 3'-to lesion (BP) |
| nutrient metabolism | nucleoside diphosphate metabolic process (BP) |
|   | positive regulation of glucose import (BP) |
|   | positive regulation of glucose metabolic process (BP) |
|   | glutamine metabolic process (BP) |
|   | ER-associated protein catabolic process (BP) |
| RNA degradation | exosome (RNase complex) (CC) |
|   | 3'-5'-exoribonuclease activity (MF) |
|   | exonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters (MF) |
|   | exoribonuclease activity (MF) |
| synaptogenesis | plasma membrane enriched fraction (CC) |
|   | regulation of synaptogenesis (BP) |
|   | lamellipodium assembly (BP) |