## Genes gained in CYCO1 MF TreeMap

| adenylate kinase activity                                 |                                                                | monophosphate                                                                                     | gap junction hemi-channel activity                                                               |                                          | modified amino acid<br>transmembrane<br>transporter activity  |                                      | clathrin adaptor activity           |                |                                 |
|-----------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------|--------------------------------------|-------------------------------------|----------------|---------------------------------|
|                                                           | Killds                                                         | e activity                                                                                        |                                                                                                  |                                          |                                                               |                                      | modification-dependent              | ubiquiti       | in protein                      |
| oxidoroddoldoo dollvity, dollrig                          | on the CH-CH group                                             | of donors  oxidoreductase activity, acting on the CH–OH group of donors, NAD or NADP as acceptor  | group transmembrane transporter activity  monocarboxylic acid transmembrane transporter activity | entity transmembrane<br>channel activity | transporter activity symporter activity                       |                                      | protein binding<br>misfolded pro    | ligase binding |                                 |
| on the CH–CH group of donors                              |                                                                |                                                                                                   |                                                                                                  | salt transmemb<br>transporter ac         |                                                               |                                      | flavin adenine dinucleotide binding |                |                                 |
| S-adenosylmethionine-dependent methyltransferase activity | oxidoreductase<br>activity, acting on<br>CH–OH group of donors | oxidoreductase<br>activity, acting on<br>the CH–CH group of<br>donors, NAD or NADP<br>as acceptor |                                                                                                  |                                          |                                                               | secondary<br>active<br>transmembrane |                                     |                | misfolded<br>protein<br>binding |
|                                                           |                                                                |                                                                                                   |                                                                                                  |                                          | inorganic molecular entity transmembrane transporter activity |                                      | mRNA binding                        |                |                                 |