

### Legend For Supplementary Figures 1-6

The charts display enriched GOIDs and their hierarchical relationships in "biological process", "cellular component" or "molecular function" GO categories. Boxes represent GO terms, labeled by its GOID, term definition and detail information (see below). Significantly enriched GO terms are marked yellow. The degree of color saturation of each node is positively correlated with the significance of enrichment of the corresponding GO term. Non-significant GO terms within the hierarchical tree are either shown as white boxes or drawn as points. Branches of the GO hierarchical tree without significant enriched GO terms are not shown. Edges stand for connections between different GO terms. Red edges stand for relationship between two enriched GO terms, black solid edges stand for relationship between enriched and unenriched terms, black dashed edges stand for relationship between two unenriched GO terms.

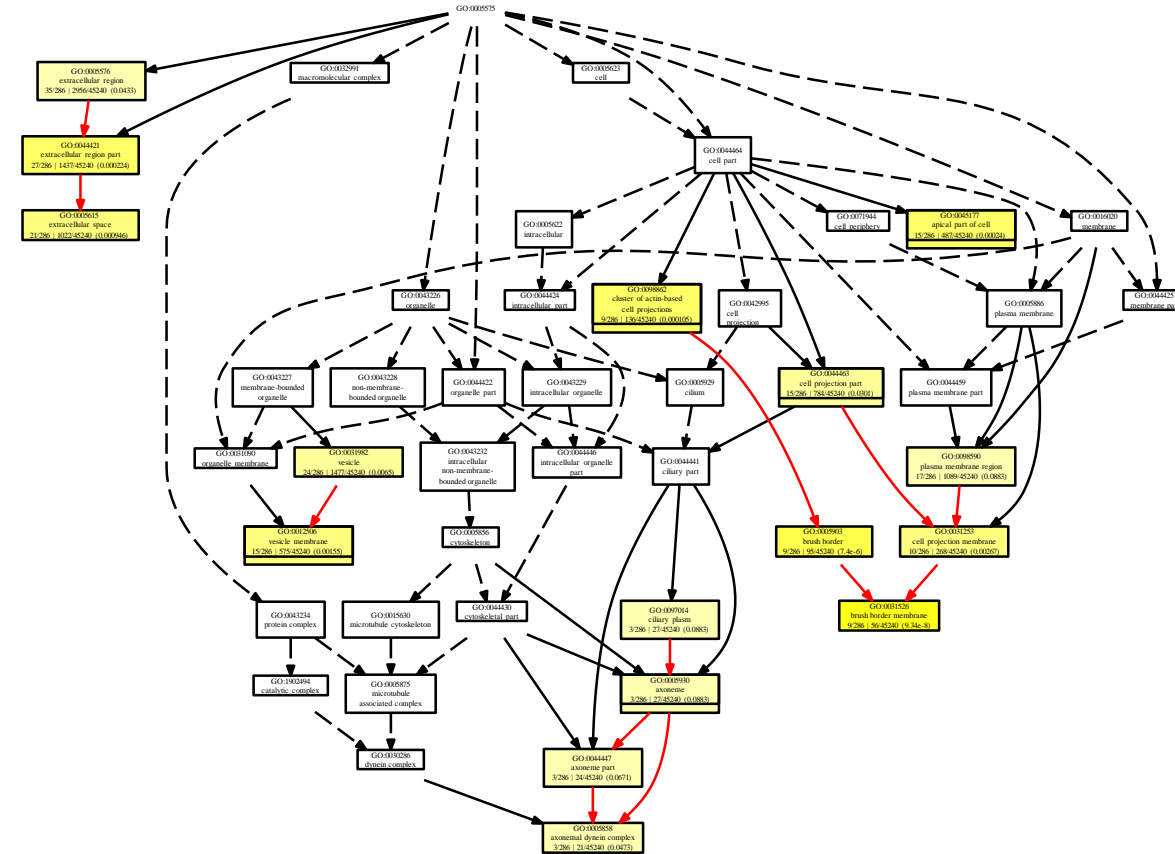
The detail information labeled in the enriched GO nodes are organized as

q/k = genes in the dataset associated with the GOID/total number of genes in the dataset

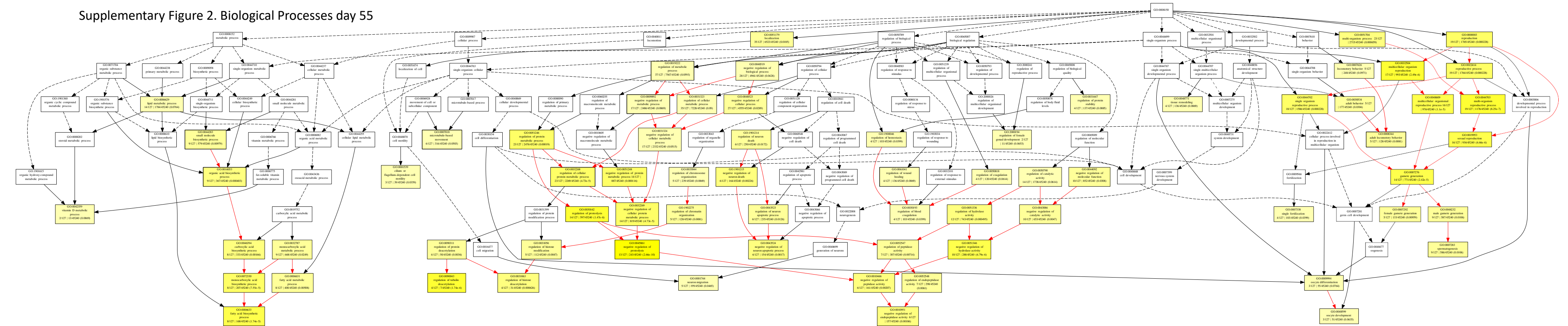
m/t = genes associated with the GOID/total number of genes (based on UniProtKB –GOA, Human database)

(p-value)= multiple test adjusted (Yekutieli) p value of the significance for the enrichment

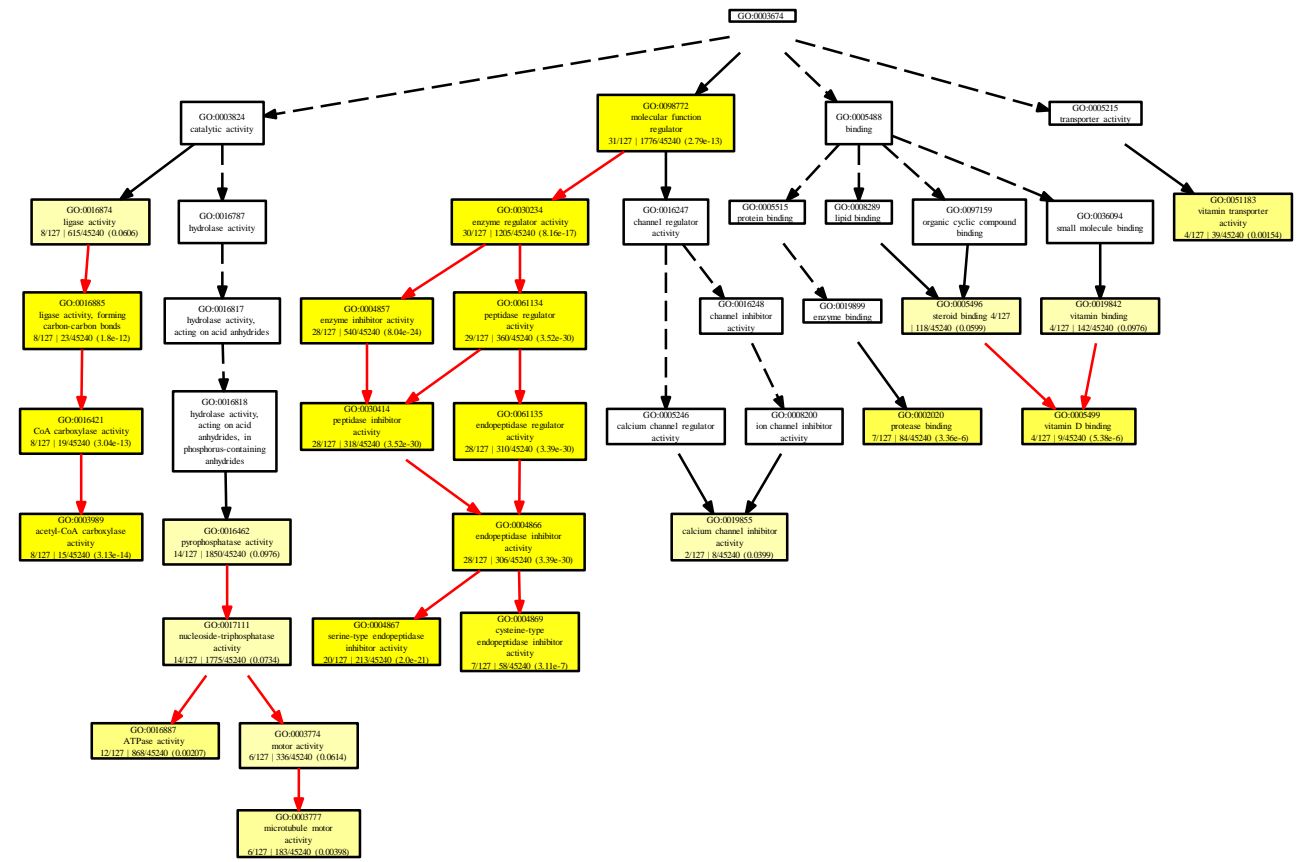
Supplementary Figure 1. Cellular Component day 55



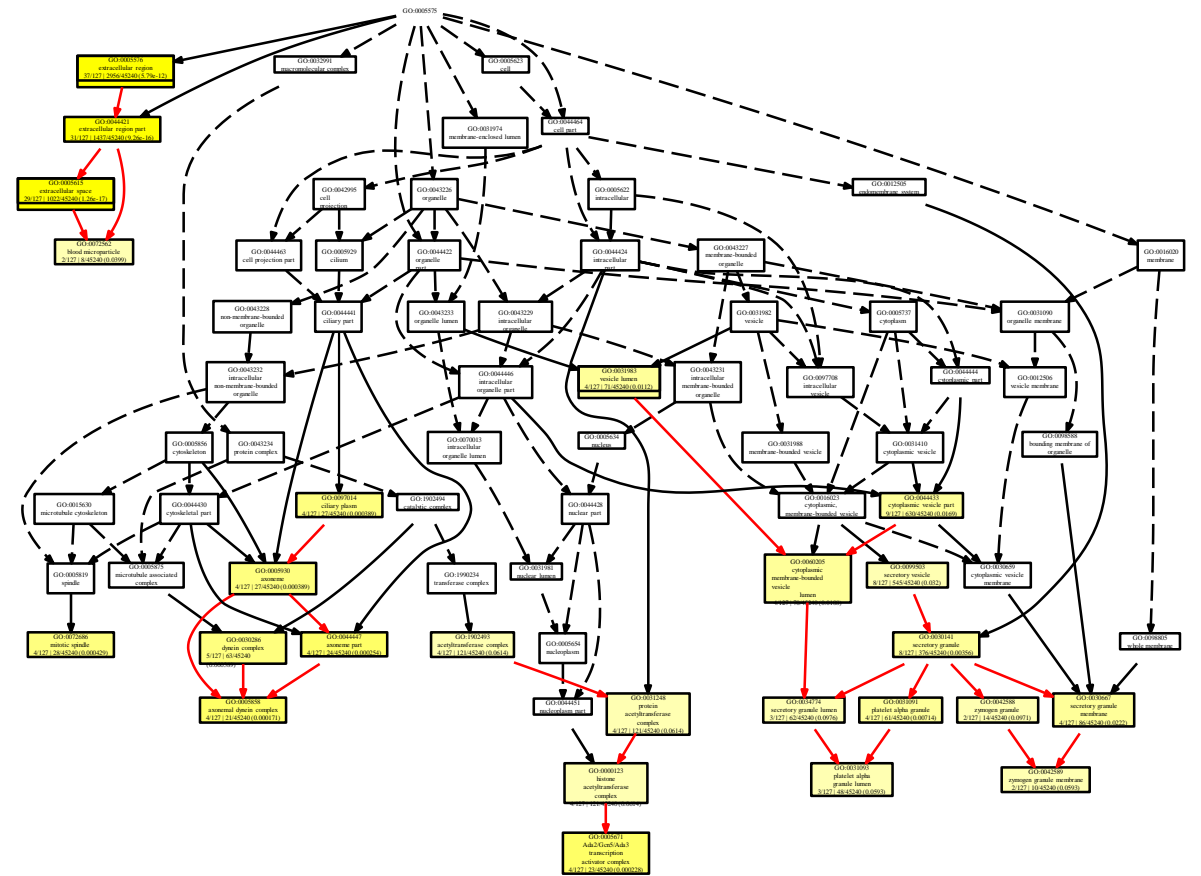
Supplementary Figure 2. Biological Processes day 55



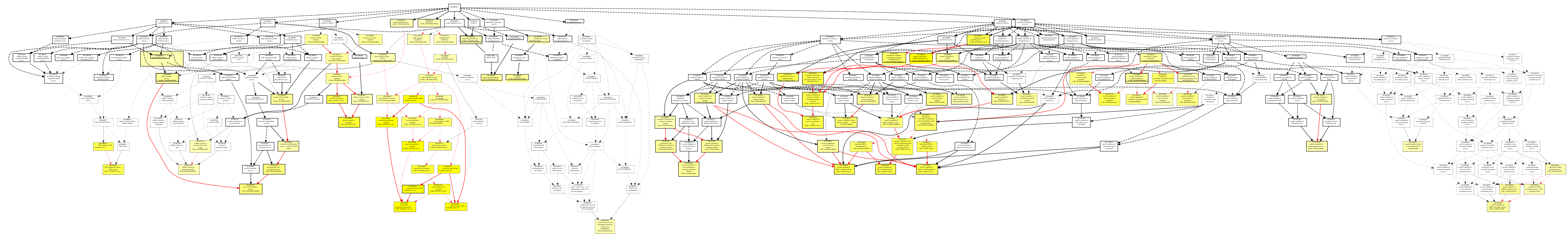
Supplementary Figure 3. Molecular Function day 55



Supplementary Figure 4. Cellular Component day 55



Supplementary Figure 5. Biological Processes day 75



Supplementary Figure 6. Molecular Function day 75

