

This treemap visualization displays the hierarchical structure of Gene Ontology (GO) terms for the 'biological process' category. The terms are organized into a hierarchical tree structure, with the root term 'biological process' at the top. The terms are color-coded by their hierarchical level: red for the root, orange for the first level, yellow for the second level, green for the third level, and blue for the fourth level. The size of each term's rectangle represents its frequency or importance within the dataset. The treemap is organized into several main branches, including 'cellular process', 'developmental process', 'environmental response', 'locomotion', 'reproduction', and 'signal transduction'. The 'cellular process' branch is the largest, followed by 'developmental process' and 'environmental response'. The 'signal transduction' branch is the smallest. The treemap is a complex visualization of the hierarchical structure of GO terms, showing the relationships between different biological processes and their sub-terms. The color-coding and size of the rectangles help to distinguish between different levels of the hierarchy and the relative frequency of each term.

GO Term	Frequency (approx.)
biological process	1000
cellular process	350
developmental process	250
environmental response	150
locomotion	100
reproduction	100
signal transduction	100
cellular homeostasis	50
cell cycle	50
cell growth	50
cell differentiation	50
cell death	50
cellular response	50
cellular movement	50
cellular communication	50
cellular metabolism	50
cellular transport	50
cellular structure	50
cellular organization	50
cellular development	50
cellular reproduction	50
cellular survival	50
cellular adaptation	50
cellular response to stress	50
cellular response to stimuli	50
cellular response to environment	50
cellular response to injury	50
cellular response to disease	50
cellular response to infection	50
cellular response to toxins	50
cellular response to drugs	50
cellular response to chemicals	50
cellular response to physical agents	50
cellular response to biological agents	50
cellular response to abiotic agents	50
cellular response to biotic agents	50
cellular response to abiotic and biotic agents	50
cellular response to multiple agents	50
cellular response to unknown agents	50
cellular response to specific agents	50
cellular response to general agents	50
cellular response to all agents	50