

Level 4? Generic Entities

Generic Entities

- Many different notions of generic:
 - Generic across organisms
 - E.g. KEGG, WIT pathways
 - Means either: we know the pathway is the same across species
 - or: we want to represent the set of all possible pathways
 - Generic physical entities
 - Wnt isoforms (PATIKA e.g.) – functionally identical/similar
 - R-groups on small molecules (a class of small molecules)
 - DNA – class of all DNA molecules
 - Kinases – generic in function (GO term)
 - Pools/bulk e.g. all free amino acids in cytoplasm (SBML)

Generic Entities

- Many different notions of generic (cont.):
 - Generic biochemical reactions
 - Alcohol dehydrogenase (E.C. numbers)
 - Generic Transport
 - Membrane transport (T.C. numbers)
 - Any process e.g. pheromone signaling