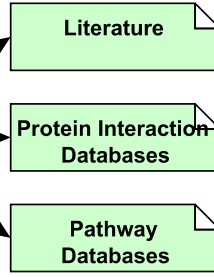


Knowledge driven pathway construction

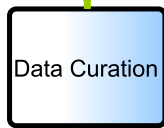


PubMed
Google Scholar

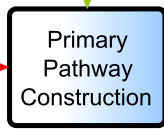
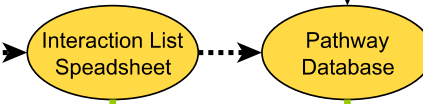
STRING
BIND

KEGG
Reactome
Ingenuity

Data driven pathway construction



Official HUGO and Entrez IDs
Nature of interaction
Interacting components
PubMed ID/ reference



Annotation: -Interaction source/ description
-Component IDs /url links
Interaction depiction
Layout optimisation

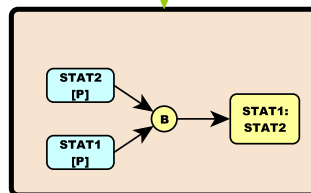
Pathway content/
notation ambiguous



Optimisation of content,
notation, logic and layout



Pathway 'expert' opinion



PATHWAY

Pathway knowledge
dissemination



Pathway structure analysis:
dependencies, relationships, unknowns

Mathematical modelling

Genomics/ biological
data analysis

