Namespaces:
rdf:<http://www.w3.org/1999/02/22-rdf-syntax-ns#>
rdfs:<http://www.w3.org/2000/01/rdf-schema#>
owl:<http://www.w3.org/2002/07/owl#>
dcterms:<http://purl.org/dc/terms/>
skos:<http://www.w3.org/2004/02/skos/core#>
xsd:<http://www.w3.org/2001/XMLSchema#>
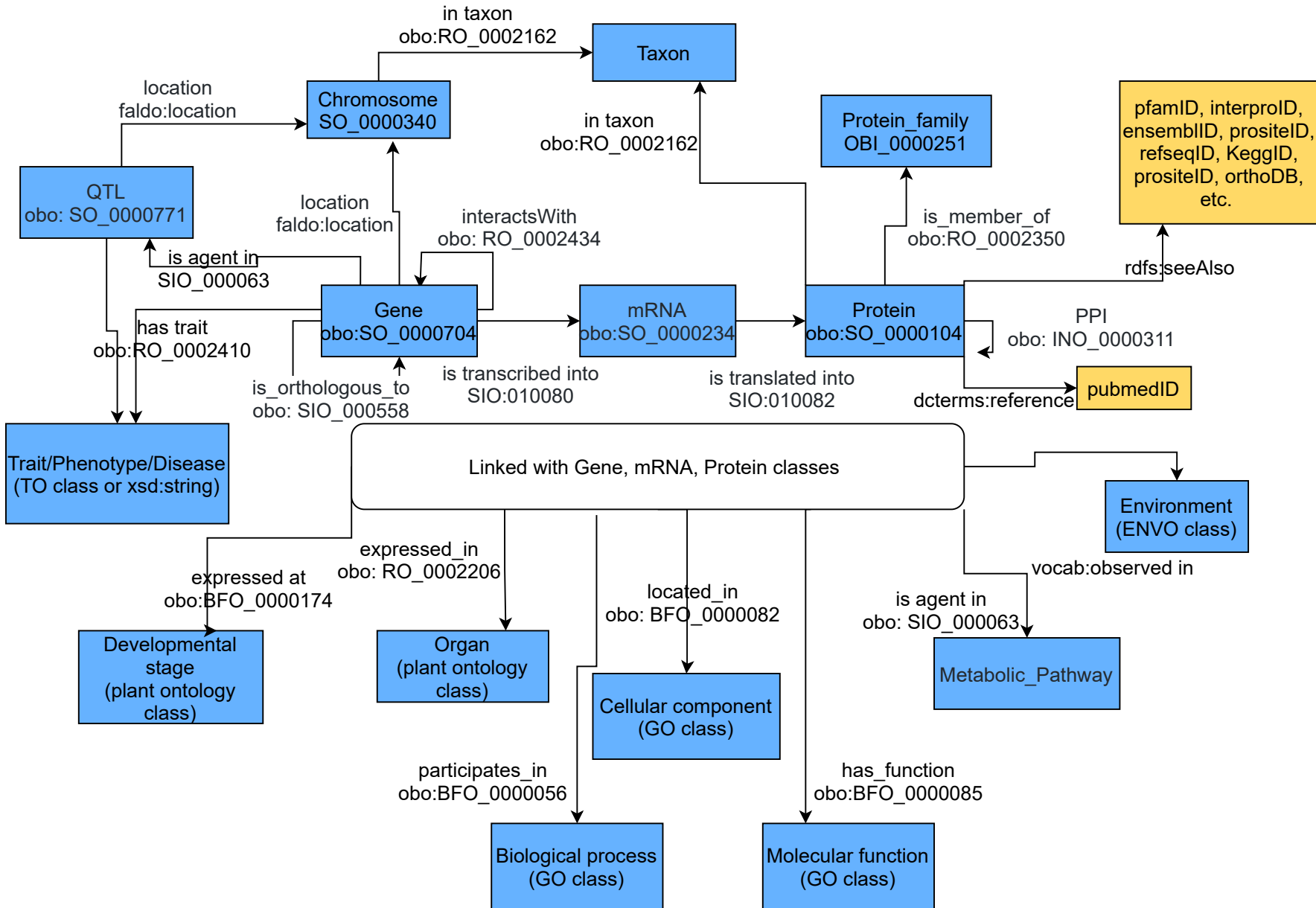obo:<http://purl.obolibrary.org/obo/>
faldo:<http://biohackathon.org/resource/faldo#>
sio:<http://semanticscience.org/resource/>
vocab:<http://www.southgreen.fr/agrold/vocabulary/>

Common description properties for the main concepts

rdfs:label ──────▶ xsd:string
rdfs:comment ──────▶ xsd:string
dcterms:description ──────▶ xsd:string
dcterms:identifier ──────▶ xsd:string

resource
link out
literal

in taxon
obo:RO_0002162

Taxon

Chromosome
SO_0000340

location
faldo:location

pfamID, interproID,
ensemblID, prositeID,
refseqID, KeggID,
prositeID, orthoDB,
etc.

QTL
obo: SO_0000771

in taxon
obo:RO_0002162

Protein_family
OBI_0000251

location
faldo:location

interactsWith
obo: RO_0002434

is_member_of
obo:RO_0002350

is agent in
SIO_000063

Gene
obo:SO_0000704

mRNA
obo:SO_0000234

Protein
obo:SO_0000104

rdfs:seeAlso

PPI
obo: INO_0000311

has trait
obo:RO_0002410

is_orthologous_to
obo: SIO_000558

is transcribed into
SIO:010080

is translated into
SIO:010082

dcterms:reference

pubmedID

Trait/Phenotype/Disease
(TO class or xsd:string)

Linked with Gene, mRNA, Protein classes

Environment
(ENVO class)

expressed at
obo:BFO_0000174

expressed_in
obo: RO_0002206

located_in
obo: BFO_0000082

is agent in
obo: SIO_000063

vocab:observed in

Developmental
stage
(plant ontology
class)

Organ
(plant ontology
class)

Cellular component
(GO class)

Metabolic_Pathway

participates_in
obo:BFO_0000056

has_function
obo:BFO_0000085

Biological process
(GO class)

Molecular function
(GO class)

Note: Some classes and properties have been omitted from the graph model or the sake of clarity