

Phenio-Biolink Model slot mappings

Phenio Term	Candidate Biolink Model term	Remark
"alternative_term"	biolink:synonym	is a node property
"broadMatch"	biolink:broad_match	
"category"	biolink:category	
"closeMatch"	biolink:close_match	
"contributor"	biolink:contributor	
"created_by"	biolink:provider	
"creator"	biolink:author	
"database_cross_reference"	biolink:xref	
"definition"	linkml:description	Biolink doesn't really have a separate 'definition slot'. Not sure how the 'meta' slot from LinkML would be used here.
"deprecated"	biolink:deprecated	
"exactMatch"	biolink:exact_match	
"has_broad_synonym"	biolink:broad_synonym	Restrictive subclass of the biolink:synonym node property
"has_exact_synonym"	biolink:exact_synonym	Restrictive subclass of the biolink:synonym node property
"has_narrow_synonym"	biolink:narrow_synonym	Restrictive subclass of the biolink:synonym node property
"has_obsolescence_reason"	?	interesting that Biolink doesn't really have a field within which to document a 'reason' except using biolink:has_evidence, and that doesn't really target obsolescence
"has_related_synonym"	biolink:related_synonym	Restrictive subclass of the biolink:synonym node property
"in_subset"	linkml:in_subset	Biolink doesn't really have a separate 'in_subset' slot. Not sure how the 'meta' slot from LinkML would be used here.
"label"	biolink:name	
"narrowMatch"	biolink:narrow_match	
"never_in_taxon"	biolink:negated (association property), biolink:in_taxon (predicate), biolink:OrganismTaxon (object of association edge)	Biolink can perhaps represent this as a full 'association' edge with negation, pointing to a taxon; Biolink needs a specific association like " biolink:EntityToOrganismTaxonAssociation " (it has the inverse, biolink:OrganismTaxonToEntityAssociation)
"term_replaced_by"	biolink:deprecated	Biolink may not have a suitable term mapping; deprecated terms, as full nodes, could point to their replacment?
"term_tracker_item"	?	Biolink may not have a suitable term mapping. Unsure , though, of the definition of this Phenio property.