

automated study of YER152C function

has text representation:

automated study: automated study of yer152c function

has domain of study: functional genomics

has investigator = robot scientist Adam

has goal: 'To test the
an enzyme with enz'

has organism of stu

has ncbi taxonom

has hypotheses-set

has research hyp

has negative hyp

encodes(yer152c,e

has cycle 1 of stud

has study result: the
encodes(yer152c,e

highest accu

proportion of

has study conclusio

has datalog representation:

```
a:automated_study(automated_study_of_yer152c_function).  
a:hypotheses-set(X) :- a:research_hypothesis(X).  
a:cycle_of_study(X) :- a:cycle_1_of_study_(X).  
a:hypotheses-set(X) :- a:negative_hypothesis(X).  
a:domain_of_study(Y) :-  
    domain_of_study(X,Y).  
a:investigator(Y) :- a: au  
investigator(X,Y).  
a:goal(Y) :- a: automated  
a:organism_of_study (Y)  
a:has_organism_of_stud  
a:hypotheses-set(Y) :- a:  
a:has_hypotheses-set(X)  
a:cycle_of_study(Y) :- a:  
a:has_cycle_of_study(X,  
a:study_result(Y) :- a: au  
a:has_study_result(X,Y).  
a:study_conclusion(Y) :-  
a:has_study_conclusion(X).  
a:domain_of_study(X) :-  
a: investigator(X) :- a:ada  
a:goal(X) :- a: to_test_the  
_encodes_an_enzyme_v  
a:organism_of_study(X)  
a:study_result(X) :-  
a:the_strength_of_eviden  
a:study_conclusion(X) :-
```

has OWL representation:

```
<?xml version="1.0"?>  
<rdf:RDF xmlns="http://www.owl-  
ontologies.com/Ontology1204198571.owl#">  
    <owl:Class rdf:ID="goal"/>  
    <owl:Class rdf:ID="study_result"/>  
    <owl:Class rdf:ID="ncbi_taxonomy_ID"/>  
    <owl:Class rdf:ID="cycle_of_study"/>  
    <owl:Class rdf:ID="negative_hypothesis">  
        <rdfs:subClassOf>  
            <owl:Class rdf:ID="hypotheses-set"/>  
        </rdfs:subClassOf>  
    </owl:Class>  
    <owl:Class rdf:ID="domain_of_study"/>  
    <owl:Class rdf:ID="organism_of_study"/>  
    <owl:Class rdf:ID="cycle_1_of_study_">  
        <rdfs:subClassOf rdf:resource="#cycle_of_study"/>  
    </owl:Class>  
    <owl:Class rdf:ID="automated_study">  
        <rdfs:subClassOf>  
            <owl:Restriction>  
                <owl:someValuesFrom rdf:resource="#goal"/>  
                <owl:onProperty>  
                    <owl:ObjectProperty rdf:ID="has_goal"/>  
                </owl:onProperty>  
            </owl:Restriction>  
        </rdfs:subClassOf>  
        <rdfs:subClassOf>  
            <owl:Restriction>  
                <owl:someValuesFrom rdf:resource=  
                    "#organism_of_study"/>  
                <owl:onProperty>  
                    <owl:ObjectProperty  
rdf:ID="has_organism_of_study"/>  
.....
```