

RDF
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Validation Service

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Validation Results

Your RDF document validated successfully.

Triples of the Data Model

Number	Subject	Predicate	Object
1	https://um.es/diabetes/Type2Diabetes	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/Disease
2	https://um.es/diabetes/Type2Diabetes	http://www.w3.org/2000/01/rdf-schema#label	"Type 2 Diabetes Mellitus"
3	https://um.es/diabetes/Hyperglycemia	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/PhenotypicFeature
4	https://um.es/diabetes/Type2Diabetes	https://w3id.org/biolink/vocab/has_phenotype	https://um.es/diabetes/Hyperglycemia
5	https://um.es/diabetes/Hyperglycemia	http://www.w3.org/2000/01/rdf-schema#label	"Hyperglycemia"
6	https://um.es/diabetes/InsulinResistance	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/PhenotypicFeature
7	https://um.es/diabetes/Type2Diabetes	https://w3id.org/biolink/vocab/has_phenotype	https://um.es/diabetes/InsulinResistance
8	https://um.es/diabetes/InsulinResistance	http://www.w3.org/2000/01/rdf-schema#label	"Insulin resistance"
9	https://um.es/diabetes/BetaCellDysfunction	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/PhenotypicFeature
10	https://um.es/diabetes/Type2Diabetes	https://w3id.org/biolink/vocab/has_phenotype	https://um.es/diabetes/BetaCellDysfunction
11	https://um.es/diabetes/BetaCellDysfunction	http://www.w3.org/2000/01/rdf-schema#label	"Beta cell dysfunction"
12	https://um.es/diabetes/Type2Diabetes	https://um.es/diabetes/causadaPor	https://um.es/diabetes/Mut_INS_p_Arg65His
13	https://um.es/diabetes/Mut_INS_p_Arg65His	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://purl.obolibrary.org/obo/SO_0001583
14	https://um.es/diabetes/Mut_INS_p_Arg65His	http://www.w3.org/2000/01/rdf-schema#label	"INS p.Arg65His"
15	https://um.es/diabetes/Mut_INS_p_Arg65His	http://www.w3.org/2000/01/rdf-schema#comment	"Mutación missense en INS asociada a diabetes tipo 2"
16	https://um.es/diabetes/Mut_INS_p_Arg65His	https://um.es/diabetes/afectaGen	https://um.es/diabetes/INS
17	https://um.es/diabetes/Mut_INS_p_Arg65His	https://um.es/diabetes/reduce_expresion	http://purl.uniprot.org/uniprot/P01308
18	https://um.es/diabetes/Metformin	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/Drug
19	https://um.es/diabetes/Mut_INS_p_Arg65His	https://um.es/diabetes/tratadaCon	https://um.es/diabetes/Metformin
20	https://um.es/diabetes/Metformin	http://www.w3.org/2000/01/rdf-schema#label	"Metformin"
21	https://um.es/diabetes/Metformin	http://www.w3.org/2000/01/rdf-schema#comment	"Mejora la sensibilidad a la insulina"
22	https://um.es/diabetes/Type2Diabetes	https://um.es/diabetes/causadaPor	https://um.es/diabetes/Mut_INS_p_Gly24Asp
23	https://um.es/diabetes/Mut_INS_p_Gly24Asp	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://purl.obolibrary.org/obo/SO_0001583
24	https://um.es/diabetes/Mut_INS_p_Gly24Asp	http://www.w3.org/2000/01/rdf-schema#label	"INS p.Gly24Asp"
25	https://um.es/diabetes/Mut_INS_p_Gly24Asp	http://www.w3.org/2000/01/rdf-schema#comment	"Mutación missense que reduce la producción de insulina"
26	https://um.es/diabetes/Mut_INS_p_Gly24Asp	https://um.es/diabetes/afectaGen	https://um.es/diabetes/INS
27	https://um.es/diabetes/Mut_INS_p_Gly24Asp	https://um.es/diabetes/reduce_expresion	http://purl.uniprot.org/uniprot/P01308
28	https://um.es/diabetes/Sulfonylurea	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/Drug
29	https://um.es/diabetes/Mut_INS_p_Gly24Asp	https://um.es/diabetes/tratadaCon	https://um.es/diabetes/Sulfonylurea
30	https://um.es/diabetes/Sulfonylurea	http://www.w3.org/2000/01/rdf-schema#label	"Sulfonylurea"
31	https://um.es/diabetes/Sulfonylurea	http://www.w3.org/2000/01/rdf-schema#comment	"Estimula la secreción de insulina"
32	https://um.es/diabetes/GlucoseMetabolism	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/BiologicalProcess
33	https://um.es/diabetes/GlucoseMetabolism	http://www.w3.org/2000/01/rdf-schema#label	"Glucose metabolism"
34	https://um.es/diabetes/GlucoseMetabolism	https://w3id.org/biolink/vocab/related_to	https://um.es/diabetes/Type2Diabetes
35	https://um.es/diabetes/InsulinSignaling	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/BiologicalProcess
36	https://um.es/diabetes/InsulinSignaling	http://www.w3.org/2000/01/rdf-schema#label	"Insulin signaling pathway"
37	https://um.es/diabetes/InsulinSignaling	https://w3id.org/biolink/vocab/related_to	https://um.es/diabetes/Type2Diabetes
38	https://um.es/diabetes/PancreaticBetaCell	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/CellularComponent
39	https://um.es/diabetes/PancreaticBetaCell	http://www.w3.org/2000/01/rdf-schema#label	"Pancreatic beta cell"
40	https://um.es/diabetes/AdiposeTissue	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/AnatomicalEntity
41	https://um.es/diabetes/AdiposeTissue	http://www.w3.org/2000/01/rdf-schema#label	"Adipose tissue"
42	http://purl.obolibrary.org/obo/NCBITaxon_9606	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/Organism
43	http://purl.obolibrary.org/obo/NCBITaxon_9606	http://www.w3.org/2000/01/rdf-schema#label	"Homo sapiens"
44	https://um.es/diabetes/INS	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/Gene
45	https://um.es/diabetes/INS	http://www.w3.org/2000/01/rdf-schema#label	"INS gene"
46	https://um.es/diabetes/INS	https://w3id.org/biolink/vocab/in_taxon	http://purl.obolibrary.org/obo/NCBITaxon_9606
47	https://um.es/diabetes/INS	https://w3id.org/biolink/vocab/expressed_in	https://um.es/diabetes/PancreaticBetaCell
48	https://um.es/diabetes/INSR	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/Gene
49	https://um.es/diabetes/INSR	http://www.w3.org/2000/01/rdf-schema#label	"INSR gene"
50	https://um.es/diabetes/INSR	https://w3id.org/biolink/vocab/in_taxon	http://purl.obolibrary.org/obo/NCBITaxon_9606
51	https://um.es/diabetes/SLC2A4	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/Gene
52	https://um.es/diabetes/SLC2A4	http://www.w3.org/2000/01/rdf-schema#label	"SLC2A4 gene"
53	https://um.es/diabetes/SLC2A4	https://w3id.org/biolink/vocab/in_taxon	http://purl.obolibrary.org/obo/NCBITaxon_9606
54	https://um.es/diabetes/SLC2A4	https://w3id.org/biolink/vocab/expressed_in	https://um.es/diabetes/AdiposeTissue
55	https://um.es/diabetes/AKT1	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/Gene
56	https://um.es/diabetes/AKT1	http://www.w3.org/2000/01/rdf-schema#label	"AKT1 gene"
57	<a href="https://um.es/d		

58	https://um.es/diabetes/AKT1	https://w3id.org/biolink/vocab/expressed_in	https://um.es/diabetes/AdiposeTissue
59	http://purl.uniprot.org/uniprot/P01308	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/Protein
60	http://purl.uniprot.org/uniprot/P01308	http://www.w3.org/2000/01/rdf-schema#label	"Insulin"
61	http://purl.uniprot.org/uniprot/P01308	https://w3id.org/biolink/vocab/encoded_by	https://um.es/diabetes/INS
62	http://purl.uniprot.org/uniprot/P01308	https://w3id.org/biolink/vocab/associated_with	https://um.es/diabetes/Type2Diabetes
63	http://purl.uniprot.org/uniprot/P01308	https://w3id.org/biolink/vocab/participates_in	https://um.es/diabetes/GlucoseMetabolism
64	http://purl.uniprot.org/uniprot/P01308	https://w3id.org/biolink/vocab/participates_in	https://um.es/diabetes/InsulinSignaling
65	http://purl.uniprot.org/uniprot/P01308	https://w3id.org/biolink/vocab/located_in	https://um.es/diabetes/PancreaticBetaCell
66	http://purl.uniprot.org/uniprot/P01308	https://w3id.org/biolink/vocab/in_taxon	http://purl.obolibrary.org/obo/NCBITaxon_9606
67	http://purl.uniprot.org/uniprot/P06213	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/Protein
68	http://purl.uniprot.org/uniprot/P06213	http://www.w3.org/2000/01/rdf-schema#label	"Insulin receptor"
69	http://purl.uniprot.org/uniprot/P06213	https://w3id.org/biolink/vocab/encoded_by	https://um.es/diabetes/INSR
70	http://purl.uniprot.org/uniprot/P06213	https://w3id.org/biolink/vocab/associated_with	https://um.es/diabetes/Type2Diabetes
71	http://purl.uniprot.org/uniprot/P06213	https://w3id.org/biolink/vocab/participates_in	https://um.es/diabetes/InsulinSignaling
72	http://purl.uniprot.org/uniprot/P06213	https://w3id.org/biolink/vocab/located_in	https://um.es/diabetes/PancreaticBetaCell
73	http://purl.uniprot.org/uniprot/P06213	https://w3id.org/biolink/vocab/in_taxon	http://purl.obolibrary.org/obo/NCBITaxon_9606
74	http://purl.uniprot.org/uniprot/P14672	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/Protein
75	http://purl.uniprot.org/uniprot/P14672	http://www.w3.org/2000/01/rdf-schema#label	"GLUT4 glucose transporter"
76	http://purl.uniprot.org/uniprot/P14672	https://w3id.org/biolink/vocab/encoded_by	https://um.es/diabetes/SLC2A4
77	http://purl.uniprot.org/uniprot/P14672	https://w3id.org/biolink/vocab/associated_with	https://um.es/diabetes/Type2Diabetes
78	http://purl.uniprot.org/uniprot/P14672	https://w3id.org/biolink/vocab/participates_in	https://um.es/diabetes/GlucoseMetabolism
79	http://purl.uniprot.org/uniprot/P14672	https://w3id.org/biolink/vocab/participates_in	https://um.es/diabetes/InsulinSignaling
80	http://purl.uniprot.org/uniprot/P14672	https://w3id.org/biolink/vocab/located_in	https://um.es/diabetes/PancreaticBetaCell
81	http://purl.uniprot.org/uniprot/P14672	https://w3id.org/biolink/vocab/located_in	https://um.es/diabetes/AdiposeTissue
82	http://purl.uniprot.org/uniprot/P14672	https://w3id.org/biolink/vocab/in_taxon	http://purl.obolibrary.org/obo/NCBITaxon_9606
83	http://purl.uniprot.org/uniprot/P31749	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://w3id.org/biolink/vocab/Protein
84	http://purl.uniprot.org/uniprot/P31749	http://www.w3.org/2000/01/rdf-schema#label	"AKT serine/threonine kinase 1"
85	http://purl.uniprot.org/uniprot/P31749	https://w3id.org/biolink/vocab/encoded_by	https://um.es/diabetes/AKT1
86	http://purl.uniprot.org/uniprot/P31749	https://w3id.org/biolink/vocab/associated_with	https://um.es/diabetes/Type2Diabetes
87	http://purl.uniprot.org/uniprot/P31749	https://w3id.org/biolink/vocab/participates_in	https://um.es/diabetes/InsulinSignaling
88	http://purl.uniprot.org/uniprot/P31749	https://w3id.org/biolink/vocab/participates_in	https://um.es/diabetes/GlucoseMetabolism
89	http://purl.uniprot.org/uniprot/P31749	https://w3id.org/biolink/vocab/located_in	https://um.es/diabetes/PancreaticBetaCell
90	http://purl.uniprot.org/uniprot/P31749	https://w3id.org/biolink/vocab/in_taxon	http://purl.obolibrary.org/obo/NCBITaxon_9606

The original RDF/XML document

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1: <?xml version="1.0" encoding="utf-8" ?>
2: <rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
3:           xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
4:           xmlns:ns0="https://w3id.org/biolink/vocab/"
5:           xmlns:ns1="https://um.es/diabetes/">
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7:   <rdf:Description rdf:about="https://um.es/diabetes/Type2Diabetes">
8:     <rdf:type rdf:resource="https://w3id.org/biolink/vocab/Disease"/>
9:     <rdfs:label>Type 2 Diabetes Mellitus</rdfs:label>
10:    <ns0:has_phenotype>
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12:        <rdfs:label>Hyperglycemia</rdfs:label>
13:      </ns0:PhenotypicFeature>
14:    </ns0:has_phenotype>
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16:    <ns0:has_phenotype>
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18:        <rdfs:label>Insulin resistance</rdfs:label>
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20:    </ns0:has_phenotype>
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22:    <ns0:has_phenotype>
23:      <ns0:PhenotypicFeature rdf:about="https://um.es/diabetes/BetaCellDysfunction">
24:        <rdfs:label>Beta cell dysfunction</rdfs:label>
25:      </ns0:PhenotypicFeature>
26:    </ns0:has_phenotype>
27:
28:   <ns1:causadaPor>
29:     <rdf:Description rdf:about="https://um.es/diabetes/Mut_INS_p_Arg65His">
30:       <rdf:type rdf:resource="http://purl.obolibrary.org/obo/SO_0001583"/>
31:       <rdfs:label>INS p.Arg65His</rdfs:label>
32:       <rdfs:comment>Mutación missense en INS asociada a diabetes tipo 2</rdfs:comment>
33:       <ns1:afectaGen rdf:resource="https://um.es/diabetes/INS"/>
34:       <ns1:reduce_expcion rdf:resource="http://purl.uniprot.org/uniprot/P01308"/>
35:       <ns1:tratadaCon>
36:         <ns0:Drug rdf:about="https://um.es/diabetes/Metformin">
37:           <rdfs:label>Metformin</rdfs:label>
38:           <rdfs:comment>Mejora la sensibilidad a la insulina</rdfs:comment>
39:         </ns0:Drug>
40:       </ns1:tratadaCon>
41:
42:     </rdf:Description>
43:   </ns1:causadaPor>
44:
45:   <ns1:causadaPor>
46:     <rdf:Description rdf:about="https://um.es/diabetes/Mut_INS_p_Gly24Asp">
47:       <rdf:type rdf:resource="http://purl.obolibrary.org/obo/SO_0001583"/>
48:       <rdfs:label>INS p.Gly24Asp</rdfs:label>
49:       <rdfs:comment>Mutación missense que reduce la producción de insulina</rdfs:comment>
50:       <ns1:afectaGen rdf:resource="https://um.es/diabetes/INS"/>
51:       <ns1:reduce_expcion rdf:resource="http://purl.uniprot.org/uniprot/P01308"/>
52:       <ns1:tratadaCon>
53:         <ns0:Drug rdf:about="https://um.es/diabetes/Sulfonylurea">
54:           <rdfs:label>Sulfonylurea</rdfs:label>
55:           <rdfs:comment>Estimula la secreción de insulina</rdfs:comment>
56:         </ns0:Drug>
57:       </ns1:tratadaCon>
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60:   </ns1:causadaPor>
61:
62: </rdf:Description>
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64:   <ns0:BiologicalProcess rdf:about="https://um.es/diabetes/GlucoseMetabolism">
65:     <rdfs:label>Glucose metabolism</rdfs:label>
66:     <ns0:related_to rdf:resource="https://um.es/diabetes/Type2Diabetes"/>
67:   </ns0:BiologicalProcess>
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69:   <ns0:BiologicalProcess rdf:about="https://um.es/diabetes/InsulinSignaling">
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72:   </ns0:BiologicalProcess>
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74:   <ns0:CellularComponent rdf:about="https://um.es/diabetes/PancreaticBetaCell">
75:     <rdfs:label>Pancreatic beta cell</rdfs:label>
76:   </ns0:CellularComponent>
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78:   <ns0:AnatomicalEntity rdf:about="https://um.es/diabetes/AdiposeTissue">
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81: <ns0:Organism rdf:about="http://purl.obolibrary.org/obo/NCBITaxon_9606">
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83: </ns0:Organism>
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87:   <rdfs:label>INS gene</rdfs:label>
88:   <ns0:in_taxon rdf:resource="http://purl.obolibrary.org/obo/NCBITaxon_9606"/>
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92: <ns0:Gene rdf:about="https://um.es/diabetes/INSR">
93:   <rdfs:label>INSR gene</rdfs:label>
94:   <ns0:in_taxon rdf:resource="http://purl.obolibrary.org/obo/NCBITaxon_9606"/>
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98:   <rdfs:label>SLC2A4 gene</rdfs:label>
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100:  <ns0:expressed_in rdf:resource="https://um.es/diabetes/AdiposeTissue"/>
101: </ns0:Gene>
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107: </ns0:Gene>
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109: <ns0:Protein rdf:about="http://purl.uniprot.org/uniprot/P01308">
110:   <rdfs:label>Insulin</rdfs:label>
111:   <ns0:encoded_by rdf:resource="https://um.es/diabetes/INS"/>
112:   <ns0:associated_with rdf:resource="https://um.es/diabetes/Type2Diabetes"/>
113:   <ns0:participates_in rdf:resource="https://um.es/diabetes/GlucoseMetabolism"/>
114:   <ns0:participates_in rdf:resource="https://um.es/diabetes/InsulinSignaling"/>
115:   <ns0:located_in rdf:resource="https://um.es/diabetes/PancreaticBetaCell"/>
116:   <ns0:in_taxon rdf:resource="http://purl.obolibrary.org/obo/NCBITaxon_9606"/>
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123:   <ns0:participates_in rdf:resource="https://um.es/diabetes/InsulinSignaling"/>
124:   <ns0:located_in rdf:resource="https://um.es/diabetes/PancreaticBetaCell"/>
125:   <ns0:in_taxon rdf:resource="http://purl.obolibrary.org/obo/NCBITaxon_9606"/>
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131:   <ns0:associated_with rdf:resource="https://um.es/diabetes/Type2Diabetes"/>
132:   <ns0:participates_in rdf:resource="https://um.es/diabetes/GlucoseMetabolism"/>
133:   <ns0:participates_in rdf:resource="https://um.es/diabetes/InsulinSignaling"/>
134:   <ns0:located_in rdf:resource="https://um.es/diabetes/PancreaticBetaCell"/>
135:   <ns0:located_in rdf:resource="https://um.es/diabetes/AdiposeTissue"/>
136:   <ns0:in_taxon rdf:resource="http://purl.obolibrary.org/obo/NCBITaxon_9606"/>
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139: <ns0:Protein rdf:about="http://purl.uniprot.org/uniprot/P31749">
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143:   <ns0:participates_in rdf:resource="https://um.es/diabetes/InsulinSignaling"/>
144:   <ns0:participates_in rdf:resource="https://um.es/diabetes/GlucoseMetabolism"/>
145:   <ns0:located_in rdf:resource="https://um.es/diabetes/PancreaticBetaCell"/>
146:   <ns0:in_taxon rdf:resource="http://purl.obolibrary.org/obo/NCBITaxon_9606"/>
147: </ns0:Protein>
148:
149: </rdf:RDF>

```

Feedback

If you suspect the parser is in error, please enter an explanation below and then press the **Submit problem report** button, to mail the report (and listing) to www-rdf-validator@w3.org

Please provide an explanation for the validation error:
