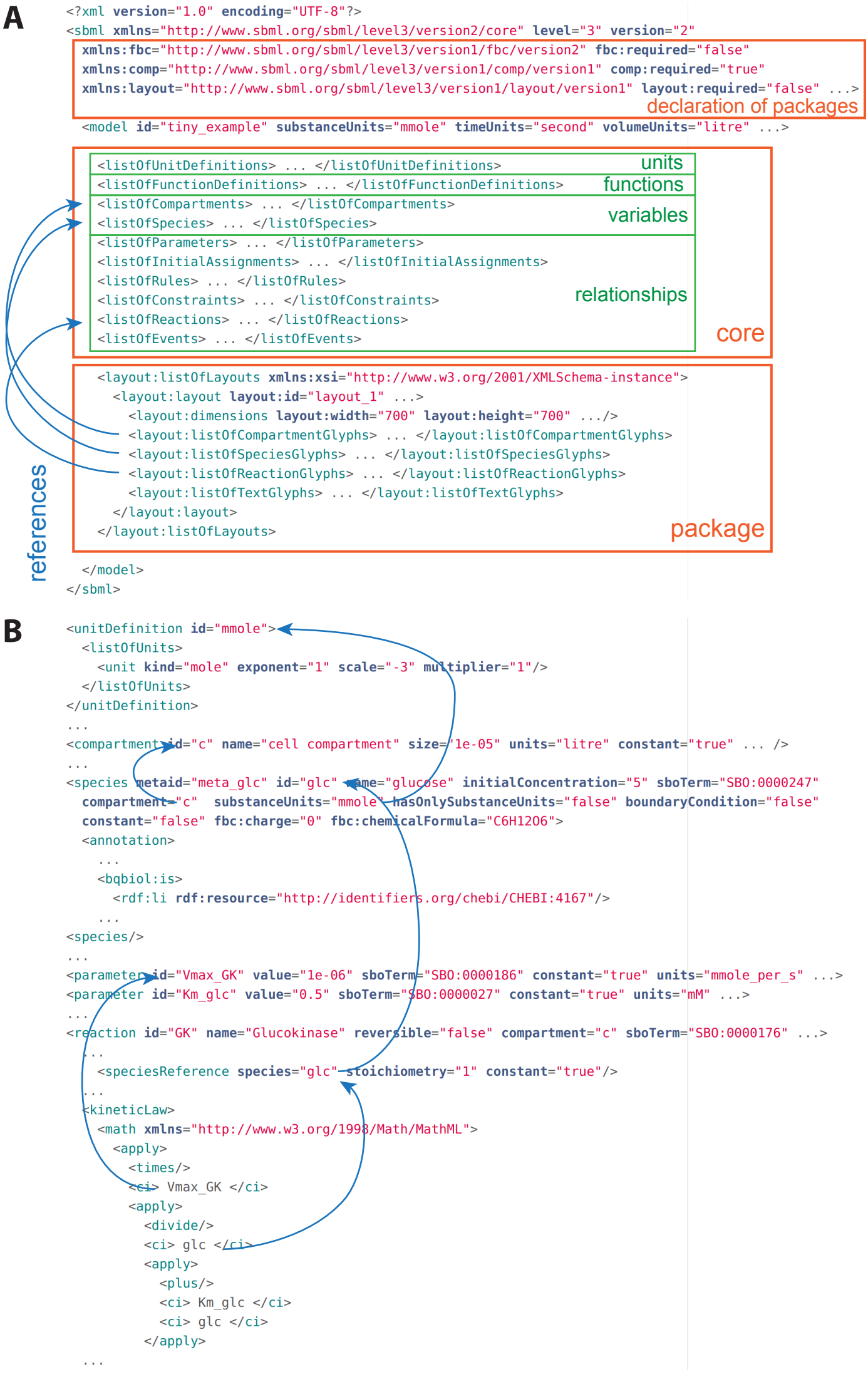
A
<?xml version="1.0" encoding="UTF-8"?>
<sbml xmlns="http://www.sbml.org/sbml/level3/version2/core" level="3" version="2"
xmlns:fbc="http://www.sbml.org/sbml/level3/version1/fbc/version2" fbc:required="false"
xmlns:comp="http://www.sbml.org/sbml/level3/version1/comp/version1" comp:required="true"
xmlns:layout="http://www.sbml.org/sbml/level3/version1/layout/version1" layout:required="false" ...>
declaration of packages
<model id="tiny_example" substanceUnits="mmole" timeUnits="second" volumeUnits="litre" ...>
<listOfUnitDefinitions> ... </listOfUnitDefinitions>
units
<listOfFunctionDefinitions> ... </listOfFunctionDefinitions>
functions
<listOfCompartments> ... </listOfCompartments>
<listOfSpecies> ... </listOfSpecies>
variables
<listOfParameters> ... </listOfParameters>
<listOfInitialAssignments> ... </listOfInitialAssignments>
<listOfRules> ... </listOfRules>
<listOfConstraints> ... </listOfConstraints>
<listOfReactions> ... </listOfReactions>
<listOfEvents> ... </listOfEvents>
relationships
core
<layout:listOfLayouts xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<layout:layout layout:id="layout_1" ...>
<layout:dimensions layout:width="700" layout:height="700" .../>
<layout:listOfCompartmentGlyphs> ... </layout:listOfCompartmentGlyphs>
<layout:listOfSpeciesGlyphs> ... </layout:listOfSpeciesGlyphs>
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<layout:listOfTextGlyphs> ... </layout:listOfTextGlyphs>
</layout:layout>
</layout:listOfLayouts>
package
references
</model>
</sbml>
B
<unitDefinition id="mmole">
<listOfUnits>
<unit kind="mole" exponent="1" scale="-3" multiplier="1"/>
</listOfUnits>
</unitDefinition>
...
<compartment id="c" name="cell compartment" size="1e-05" units="litre" constant="true" ... />
...
<species metaid="meta_glc" id="glc" name="glucose" initialConcentration="5" sboTerm="SBO:0000247"
compartment="c" substanceUnits="mmole" hasOnlySubstanceUnits="false" boundaryCondition="false"
constant="false" fbc:charge="0" fbc:chemicalFormula="C6H12O6">
<annotation>
...
<bqbiol:is>
<rdf:li rdf:resource="http://identifiers.org/chebi/CHEBI:4167"/>
...
<species/>
...
<parameter id="Vmax_GK" value="1e-06" sboTerm="SBO:0000186" constant="true" units="mmole_per_s" ...>
<parameter id="Km_glc" value="0.5" sboTerm="SBO:0000027" constant="true" units="mM" ...>
...
<reaction id="GK" name="Glucokinase" reversible="false" compartment="c" sboTerm="SBO:0000176" ...>
...
<speciesReference species="glc" stoichiometry="1" constant="true"/>
...
<kineticLaw>
<math xmlns="http://www.w3.org/1998/Math/MathML">
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<times/>
<ci> Vmax_GK </ci>
<apply>
<divide/>
<ci> glc </ci>
<apply>
<plus/>
<ci> Km_glc </ci>
<ci> glc </ci>
</apply>
...