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<RBAProteins>
  <listOfComponents>
    <component id="A" name="" type="amino_acid" weight="1"/>
    <component id="C" name="" type="amino_acid" weight="1"/>
    <component id="D" name="" type="amino_acid" weight="1"/>
    <component id="E" name="" type="amino_acid" weight="1"/>
    <component id="F" name="" type="amino_acid" weight="1"/>
    <component id="G" name="" type="amino_acid" weight="1"/>
    <component id="H" name="" type="amino_acid" weight="1"/>
    <component id="I" name="" type="amino_acid" weight="1"/>
    <component id="K" name="" type="amino_acid" weight="1"/>
    <component id="L" name="" type="amino_acid" weight="1"/>
    <component id="M" name="" type="amino_acid" weight="1"/>
    <component id="N" name="" type="amino_acid" weight="1"/>
    <component id="P" name="" type="amino_acid" weight="1"/>
    <component id="Q" name="" type="amino_acid" weight="1"/>
    <component id="R" name="" type="amino_acid" weight="1"/>
    <component id="S" name="" type="amino_acid" weight="1"/>
    <component id="T" name="" type="amino_acid" weight="1"/>
    <component id="V" name="" type="amino_acid" weight="1"/>
    <component id="W" name="" type="amino_acid" weight="1"/>
    <component id="Y" name="" type="amino_acid" weight="1"/>
    <component id="CHEBI:18420" name="Mg(2+)" type="cofactor" weight="0"/>
    <component id="CHEBI:49601" name="[2Fe-2S] cluster" type="cofactor" weight="0"/>
    <component id="CHEBI:49883" name="[4Fe-4S] cluster" type="cofactor" weight="0"/>
    <component id="CHEBI:57586" name="biotin" type="cofactor" weight="0"/>
    <component id="CHEBI:29105" name="Zn(2+)" type="cofactor" weight="0"/>
    .
    .
    .
    <component id="CHEBI:57783" name="NADPH" type="cofactor" weight="0"/>
  </listOfComponents>
  <listOfMacromolecules>
    <macromolecule id="BSU29470" compartment="Cytoplasm">
      <composition>
        <componentReference component="A" stoichiometry="32"/>
        <componentReference component="D" stoichiometry="19"/>
        <componentReference component="L" stoichiometry="33"/>
        <componentReference component="G" stoichiometry="34"/>
        <componentReference component="N" stoichiometry="16"/>
        <componentReference component="V" stoichiometry="32"/>
        <componentReference component="P" stoichiometry="16"/>
        <componentReference component="E" stoichiometry="34"/>
        <componentReference component="S" stoichiometry="28"/>
        <componentReference component="H" stoichiometry="10"/>
        <componentReference component="M" stoichiometry="11"/>
        <componentReference component="C" stoichiometry="1"/>
        <componentReference component="W" stoichiometry="1"/>
        <componentReference component="I" stoichiometry="34"/>
        <componentReference component="Q" stoichiometry="4"/>
        <componentReference component="F" stoichiometry="16"/>
        <componentReference component="R" stoichiometry="17"/>
        <componentReference component="K" stoichiometry="23"/>
        <componentReference component="Y" stoichiometry="12"/>
        <componentReference component="T" stoichiometry="22"/>
        <componentReference component="CHEBI:18420" stoichiometry="1.0"/>
      </composition>
    </macromolecule>
  </listOfMacromolecules>
</RBAProteins>

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  <macromolecule id="P17631" compartment="Cytoplasm">
    <composition>
      <componentReference component="A" stoichiometry="20"/>
      <componentReference component="D" stoichiometry="28"/>
      <componentReference component="L" stoichiometry="16"/>
      <componentReference component="G" stoichiometry="51"/>
      <componentReference component="N" stoichiometry="13"/>
      <componentReference component="V" stoichiometry="23"/>
      <componentReference component="P" stoichiometry="16"/>
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      <componentReference component="S" stoichiometry="16"/>
      <componentReference component="H" stoichiometry="10"/>
      <componentReference component="M" stoichiometry="4"/>
      <componentReference component="C" stoichiometry="9"/>
      <componentReference component="W" stoichiometry="0"/>
      <componentReference component="I" stoichiometry="17"/>
      <componentReference component="CHEBI:29105" stoichiometry="2"/>
      <componentReference component="Q" stoichiometry="17"/>
      <componentReference component="F" stoichiometry="22"/>
      <componentReference component="R" stoichiometry="20"/>
      <componentReference component="K" stoichiometry="36"/>
      <componentReference component="Y" stoichiometry="9"/>
      <componentReference component="T" stoichiometry="22"/>
    </composition>
  </macromolecule>
</listOfMacromolecules>
</RBAProteins>

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