**\*\* ONLY TEXT AND IMAGES APPEARING INSIDE THE RED BOXES WILL BE GRADED\*\***

1. Go the KEGG Genes database (<https://www.genome.jp/kegg/genes.html>), enter the 6-phosphofructokinase in the search genes box, and press ‘Go’

A screenshot of a computer

Description automatically generated

Click on the second entry

A screenshot of a computer

Description automatically generated

1. Scroll down to the nucleotide sequence (‘NT seq’) box. This is the DNA gene encoding the protein
2. In the ‘NT seq’ box, just above the sequence, is a hyperlinked icon with ‘NT seq’ in blue text . Click the ‘NT Seq’ link and paste the resulting DNA sequence, including the header, into the box below.

|  |
| --- |
| INSERT HERE |

1. What is the sequence of the mRNA transcript of the DNA sequence?

|  |
| --- |
| INSERT HERE |

e) In what pathway is this enzyme. Insert the image of the pathway?

|  |
| --- |
| INSERT HERE |