Project No. 1.

You need to send me (grolmusz@pitgroup.org) an email, and also hand me in on paper, by ~~**October 20**~~, **October 23**, Wednesday, the following data:

A, (0 point) **My protein's name, UniProt accession number**:
B, (10 points) In several lines: **What is the function of this protein** (you can copy this part from the internet)
C, (70 points) **What is the EXACT nucleotide sequence in Dr. Craig Venter's genome of the gene of this protein** (perfect answer: 70 points; any non-perfect answer: at most 20 points).
D, (20 points) **How did I find this sequence in point C:** (please write it down with your own words, do not use other people's text for this, if I find two very similar description, then both students get 0 points for this section).

My protein is No. .....

1, Q9ULG1 INO80_HUMAN DNA helicase INO80

2, P33316 DUT_HUMAN Deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial

3, P04818 TYSY_HUMAN Thymidylate synthase

4, P13807 GYS1_HUMAN Glycogen [starch] synthase, muscle

5, P08397 HEM3_HUMAN Porphobilinogen deaminase

6, P49366 DHYS_HUMAN Deoxyhypusine synthase

7, O95271 TNKS1_HUMAN Tankyrase-1

8, P37837 TALDO_HUMAN Transaldolase

9, P00491 PNPH_HUMAN Purine nucleoside phosphorylase

10, P29401 TKT_HUMAN Transketolase

11, O15169 AXIN1_HUMAN Axin-1

12, Q9H477 RBSK_HUMAN Ribokinase

13, Q16831 UPP1_HUMAN Uridine phosphorylase 1

14, Q06203 PUR1_HUMAN Amidophosphoribosyltransferase

15, P07477 TRY1_HUMAN Trypsin-1

16, P20160 CAP7_HUMAN Azurocidin