| Protein ID | Protein    | Protein descriptions                                | Genes  | Fold Change Ratio | P Value |
|-----------|------------|-----------------------------------------------------|--------|-------------------|---------|
| P00558    | PGK1       | Phosphoglycerate kinase 1                           | PGK1   | 1.010862          | 0.909051|
| P06733    | ENOA       | Alpha-enolase                                       | ENO1   | 1.052366          | 0.67941 |
| P04406    | G3P        | Glyceraldehyde-3-phosphate dehydrogenase            | GAPDH  | 0.947695          | 0.679475|
| P00338    | LDHA       | L-lactate dehydrogenase A chain                     | LDHA   | 0.984829          | 0.945883|
| P21695    | GPDA       | Glycerol-3-phosphate dehydrogenase [NAD(+)]        | GPD1   | 1.09059           | 0.560181|
| P46976    | GLYG       | Glycogenin-1                                        | GYG1   | 1.300340247       | 0.007447|
| P10809    | CH60       | 60 kDa heat shock protein                           | HSPD1  | 0.943623          | 0.65031 |
| P08559    | ODPA       | Pyruvate dehydrogenase E1 component subunit alpha   | PDHA1  | 0.905403          | 0.343616|
| O75390    | CISY       | Citrate synthase                                    | CS     | 0.920595          | 0.532728|
| P40939    | ECHA       | Trifunctional enzyme subunit alpha                  | HADHA  | 1.238323          | 0.018426|
| Q8IYU8    | MICU2      | Calcium uptake protein 2                            | MICU2  | 0                 | 0.000001|
| Q96EY7    | PTCD3      | Pentatricopeptide repeat domain-containing protein 3| PTCD3  | 0                 | 0.000001|
| Q8NE62    | CHDH       | Choline dehydrogenase                               | CHDH   | 0.329519729       | 0.028366|
| P11413    | G6PD       | Glucose-6-phosphate 1-dehydrogenase                 | G6PD   | 0.143321113       | 0.031176|
| P49908    | SEPP1      | Selenoprotein P                                     | SELENOP| 0                 | 0.000001|
| P04792    | HSPB1      | Heat shock protein beta-1                           | HSPB1  | 1.489312          | 0.0105384|
| P02511    | CRYAB      | Alpha-crystallin B chain                            | CRYAB  | 1.376931          | 0.0228972|
| P09601    | HMOX1      | Heme oxygenase 1                                    | HMOX1  | -                 | 0.000001|
| P00441    | SODC       | Superoxide dismutase [Cu-Zn]                        | SOD1   | 1.014766          | 0.940828|
| P04179    | SODM       | Superoxide dismutase [Mn]                           | SOD2   | 1.24379           | 0.546555|
| P06702    | S10A9      | Protein S100-A9                                     | S100A9 | 1.311881          | 0.04811 |

The second line showed the proteins of glycometabolism, the third line showed the proteins of mitochondrial structure, the fourth line showed the proteins of oxidative stress and antioxidant defense.