Supplemental material table 3: KEGG Pathway of proteins.

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| **GO Function** | **Accession** | **Name** | **Abbreviation** | **CoA/control** | **Differential expression** | **KEGG Pathway** |
| antioxidant activity | P22352 | Glutathione peroxidase 3 | GPX3 | 3.27292507 | up | Glutathione metabolism; Amyotrophic lateral sclerosis; Arachidonic acid metabolism; Huntington's disease |
| structural molecule activity | P23142 | Fibulin-1 | FBLN1 | 3.631271894 | up | TGF-beta signaling pathway |
| viral reproduction | P06396 | Gelsolin | GELS | 0.434979305 | down | Regulation of actin cytoskeleton;Fc gamma R-mediated phagocytosis |
| viral reproduction & channel regulator activity | P02760 | Protein AMBP | AMBP | 0.285154383 | down | Complement and coagulation cascades |
| membrane-enclosed lumen | P04070 | Vitamin K-dependent protein C | PROC | 0.44522443 | down | Complement and coagulation cascades |
| membrane-enclosed lumen | P08709 | Coagulation factor VII | FA7 | 0.547668073 | down | Complement and coagulation cascades |
| membrane-enclosed lumen | P00488 | Coagulation factor XIII A | F13A | 0.43121218 | down | Complement and coagulation cascades |
| membrane-enclosed lumen | P35858 | Insulin-like growth factor-binding protein complex acid labile subunit | ALS | 0.239958978 | down | ECM-receptor interaction;Hematopoietic cell lineage |
| transporter activity | Q92496 | Complement factor H-related protein 4 | FHR4 | 0.235750256 | down | Complement and coagulation cascades;Staphylococcus aureus infection |
| transporter activity | P02730 | Band 3 anion transport protein | B3AT | 0.810951619 | down | Collecting duct acid secretion |

Note. GO: Gene Ontology; KEGG: Kyoto Encyclopedia of Genes and Genomes.