Process network analysis report significantly altered proteins in ERO1 KO vs WT hypoxic condition (Wilcoxon Mann Whitney test, p<0.05).

| # | Networks                                                | Total | pValue     | p-value | FDR     | Min FDR | FDR     | In Data | Network Objects from Active Data                                                                 |
|---|---------------------------------------------------------|-------|------------|---------|---------|---------|---------|---------|------------------------------------------------------------------------------------------------|
| 1 | Protein folding, Response to unfolded proteins          | 71    | 1.962E-09  | 2.08E-07| 2.08E-07| 1.962E-09| 2.08E-07| 11      | Endoplasmin, HSP90 alpha, HSP90 beta, HSC70, GRP78, DNAJC3, HSP60, HYOU1, HSPA2, VCP, Hsp 2         |
| 2 | Protein folding, Folding in normal condition           | 119   | 4.751E-07  | 2.518E-05| 2.518E-05| 4.751E-07| 2.518E-05| 11      | Endoplasmin, HSP90 alpha, HSP90 beta, S91, HSC70, DNAJC3, HSP60, HYOU1, HSPA2, TCP1-beta, Hsp 2       |
| 3 | Protein folding, ER and cytoplasm                      | 44    | 2.395E-05  | 8.463E-04| 2.395E-05| 8.463E-04| 8.463E-04| 6       | UGCGL1, HSC70, GRP78, DNAJC3, HYOU1, VCP                                                          |
| 4 | Translation, Elongation-Termination                    | 233   | 6.212E-05  | 1.645E-03| 6.212E-05| 1.645E-03| 1.645E-03| 12      | DD1X1, RPL7A, eEF1D, SRP72, IfxRS, GilRS, DARS, TyrR5, ValRS2, RP40, RPL14, MARS                   |
| 5 | Cytoskeleton, Intermediate filaments                   | 81    | 1.001E-04  | 2.122E-03| 1.001E-04| 2.122E-03| 2.122E-03| 7       | TMPOA, Plectin 1, Vimentin, Keratin 18, Lamin B1, TMPOB, Lamin A/C                                 |
| 6 | Immune response, Phagosome in antigen presentation      | 243   | 3.957E-04  | 6.990E-03| 3.957E-04| 6.990E-03| 6.990E-03| 11      | Endoplasmin, PSMD14, HSP90 alpha, HSP90 beta, Profilin I, Gelsolin, CDC42, GRP78, NF-kB p65/p65, PSMD11, VCP |
| 7 | Transcription, mRNA processing                         | 160   | 1.353E-03  | 2.049E-02| 1.353E-03| 2.049E-02| 2.049E-02| 8       | eIF4A2, PpIl, DD1X1, SRP116, SF3A1, DD1X39, Mago nashi, SF3B1                                      |
| 8 | Immune response, Antigen presentation                   | 197   | 1.925E-03  | 6.526E-03| 1.925E-03| 6.526E-03| 6.526E-03| 8       | Endoplasmin, PSMD14, HSP90 alpha, HSP90 beta, ECM29, GRP78, NF-kB p65/p65, PSMD11                  |
| 9 | Protein folding, Protein folding nucleus                | 58    | 7.549E-03  | 7.790E-02| 7.549E-03| 7.790E-02| 7.790E-02| 4       | HSC70, GRP78, HYOU1, Dj-1                                                                       |
| 10| Cell adhesion, Integrin-mediated cell-matrix adhesion   | 214   | 8.021E-03  | 7.930E-02| 8.021E-03| 7.930E-02| 7.930E-02| 8       | TGM2, Filamin C, Profilin I, ITGA6, ITGB4, ITG2, CDC42, Cyrf1                                     |