**Table S2.** LC–MS/MS based detection of H. exemplaris AOX protein.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Accession | Description | Coverage [%] | # PSMs | # Unique Peptides | # Amino acids | MW [kDa] | calc. pI | Abundance |
| OWA52662.1 | Alternative oxidase, mitochondrial  [*Hypsibius exemplaris*] | 14 | 5 | 4 | 361 | 41.3 | 8.48 | 5274690.875 |

|  |  |  |  |
| --- | --- | --- | --- |
| Annotated Sequence | # Missed Cleavages | Theo.MH+ [Da] | Positions in Protein |
| [K].VDWLAYIAVQTLR.[K] | 0 | 1547,85804 | [160-172] |
| [K].SFDLISGYTFGR.[K] | 0 | 1362,66884 | [174-185] |
| [R].DHGWIHTLLEEAENER.[M] | 0 | 1948,91478 | [224-239] |
| [R].FVGYLEEEAVK.[T] | 0 | 1283,65179 | [284-294] |