

1 Supplementary Table S2. The common up-regulated proteins shared in three batches (DW, TR, and AO) versus FS identified by label-free  
2 analysis.

| Accession  | Description                                          | Organism                        | Coverage | Peptides | PSMs | Unique Peptides | AAs  | MW [kDa] | calc. pI | emPAI | Score  | Sequest HT |
|------------|------------------------------------------------------|---------------------------------|----------|----------|------|-----------------|------|----------|----------|-------|--------|------------|
| A0A0P4WLS0 | 60S acidic ribosomal protein P0                      | <i>Scylla olivacea</i>          | 7.64     | 2        | 11   | 2               | 314  | 34.3     | 5.35     | 0.194 | 26.25  |            |
| A0A0N7ZDR1 | Adenylosuccinate synthetase                          | <i>Scylla olivacea</i>          | 2.22     | 1        | 8    | 1               | 450  | 49.8     | 6.8      | 0.068 | 20.23  |            |
| G3C6M2     | Arginine kinase (Fragment)                           | <i>Propagurus obtusifrons</i>   | 42.86    | 10       | 444  | 1               | 210  | 23.8     | 8.32     | 9     | 473.7  |            |
| A0A068CE32 | Aspartate aminotransferase                           | <i>Fenneropenaeus chinensis</i> | 11.71    | 3        | 11   | 3               | 427  | 46.9     | 8.57     | 0.301 | 23.31  |            |
| H9LEP6     | ATP synthase subunit gamma                           | <i>Litopenaeus vannamei</i>     | 12.46    | 3        | 12   | 3               | 289  | 31.2     | 8.91     | 0.445 | 35.09  |            |
| A9XTM5     | Carbonic anhydrase I                                 | <i>Penaeus monodon</i>          | 21.11    | 3        | 9    | 3               | 270  | 29.4     | 5.53     | 1.31  | 16.38  |            |
| A0A0P4WHU5 | Citrate synthase                                     | <i>Scylla olivacea</i>          | 13.03    | 5        | 11   | 4               | 476  | 52.1     | 7.17     | 0.585 | 26.63  |            |
| A0A0C5BHN8 | Clathrin heavy chain                                 | <i>Penaeus monodon</i>          | 4.28     | 5        | 15   | 5               | 1684 | 192.4    | 5.78     | 0.115 | 21.55  |            |
| E3T0X0     | Elongation factor 2                                  | <i>Litopenaeus vannamei</i>     | 45.86    | 30       | 147  | 13              | 846  | 94.1     | 6.6      | 2.956 | 362.54 |            |
| A0A0P4WYM2 | Eukaryotic translation initiation factor 3 subunit E | <i>Scylla olivacea</i>          | 11.85    | 3        | 6    | 3               | 439  | 51       | 6.21     | 0.218 | 15.88  |            |
| M4QEH0     | Farnesoic acid O-methyltransferase                   | <i>Portunus trituberculatus</i> | 6.93     | 1        | 7    | 1               | 274  | 31.2     | 4.82     | 0.334 | 3.32   |            |
| Q95WL9     | Glucose-6-phosphate isomerase (Fragment)             | <i>Automate gardineri</i>       | 44.52    | 4        | 33   | 2               | 155  | 17.4     | 7.71     | 2.455 | 55.7   |            |
| A0A140AZ37 | Malate dehydrogenase                                 | <i>Macrobrachium nipponense</i> | 27.06    | 5        | 27   | 3               | 340  | 35.3     | 8.13     | 0.957 | 74.86  |            |
| H9LFA4     | Mitochondrial ATP synthase delta subunit             | <i>Litopenaeus vannamei</i>     | 9.49     | 1        | 13   | 1               | 158  | 16.5     | 4.74     | 0.52  | 18.45  |            |

|                |                                                  |                                     |       |    |    |    |     |      |       |       |        |
|----------------|--------------------------------------------------|-------------------------------------|-------|----|----|----|-----|------|-------|-------|--------|
| A0A2H4G<br>VH0 | Peroxiredoxin                                    | <i>Penaeus monodon</i>              | 19.63 | 3  | 13 | 3  | 219 | 24.2 | 5.87  | 0.668 | 39     |
| Q4VS19         | Ribosomal protein L23-like protein<br>(Fragment) | <i>Cherax quadricarinatus</i>       | 15.15 | 1  | 17 | 1  | 99  | 10.7 | 10.27 | 0.585 | 35.44  |
| G8XQS8         | Trehalose-6-phosphate synthase                   | <i>Fenneropenaeus<br/>chinensis</i> | 24.88 | 18 | 66 | 18 | 844 | 96   | 6.83  | 1.058 | 137.93 |
| A0A0S1S9<br>S6 | Ubiquitin carboxyl-terminal hydrolase            | <i>Penaeus monodon</i>              | 33.19 | 6  | 11 | 6  | 229 | 25   | 4.63  | 1.581 | 38.07  |