|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Transporter Name | Short Name | Molecular Weight (kDa) | Protein ID | Locus Tag | Peptide Antigen (Epitope) | Antigen Concentration | pAB Stock Concentration | Immunoblot Dilution | Pre-immune Serum Dilution | Immunolocalization Dilution |
| Putative ammonium transporter 1 | AMT1 | 51 | KXJ28516.1 | AIPGENE17420 | SLGRTNHGALDEKL | 2 mg/ml | 3.40 mg/ml | 1/2000 – 1/5000 | 1/500 | 1/500 – 1/1000 |
| V - type proton ATPase subunit B | VHAB | 55 | KXJ14631.1 | AIPGENE19317 | MSSYAEALREVSAAREEVPGRRGFPG YMYTDLATIYERAGRVEGRNGSITQ | NA | 0.5 mg/ml | 1/500 – 1/1000 | NA | 1/100 – 1/500 |
| Facilitated glucose transporter member 8 | GLUT8 | 55 | KXJ23301.1 | AIPGENE6170 | FLPETKGKSLEEIEL | 2 mg/ml | 0.69 mg/ml | 1/5000 – 1/10000 | 1/500 | 1/200 – 1/1000 |
| Aquaporin - 3 | AQP3 | 22 | KXJ09068.1 | AIPGENE7920 | AVVGRISWKKVPLYS | 2 mg/ml | 1.71 mg/ml | 1/1000 – 1/2000 | 1/500 | 1/125 – 1/200 |

Table S4.1. List of candidate protein transporters, Protein IDs and locus tags, Peptide antigens, Primary antibody (pAB) stock concentrations, Pre-immune serum, Immunoblot and Immunolocalization dilutions.

Table S4.2. List of number of z-stacks per candidate protein transporters for  
 different symbiosis/symbiont states

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | *B. minutum* | *D. trenchii* | *S. microadriaticum* | Aposymbiotic |
| AMT1 | 19 | 20 | 20 | NA |
| VHAB | 20 | 20 | 14 | NA |
| GLUT8 | 20 | 20 | 14 | 20 |
| AQP | 20 | 20 | 14 | 19 |