**Table S4**. Expression level of unigenes of *Aeginetia indica* in the photosynthesis pathway based on transcriptome analysis*.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Unigene** | **Annotation** | **Function** | **Length** | **TPM** |
| TRINITY\_DN777\_c0\_g1\_i1 | PSII 6.1 kDa protein | Photosystem II | 765 | 3.15 |
| TRINITY\_DN6763\_c0\_g1\_i1 | Ferredoxin III | Photosynthetic electron transport | 907 | 91.59 |
| TRINITY\_DN2565\_c0\_g1\_i2 | Ferredoxin III | 954 | 4.08 |
| TRINITY\_DN2565\_c0\_g1\_i3 | Ferredoxin III | 978 | 9.99 |
| TRINITY\_DN469\_c1\_g1\_i1 | Ferredoxin C 2 | 837 | 19.36 |
| TRINITY\_DN6623\_c0\_g1\_i6 | Ferredoxin III | 1162 | 149.82 |
| TRINITY\_DN6623\_c0\_g1\_i3 | Ferredoxin III | 955 | 17.17 |
| TRINITY\_DN2800\_c0\_g1\_i4 | Ferredoxin--NADP reductase, root-type isozyme | 1849 | 16.32 |
| TRINITY\_DN63111\_c0\_g1\_i1 | ATPase subunit II | F-type ATPase | 792 | 4.74 |
| TRINITY\_DN16764\_c0\_g2\_i1 | F-ATPase subunit alpha | 3727 | 1.38 |
| TRINITY\_DN86782\_c0\_g1\_i1 | F-ATPase gamma subunit 1 | 1384 | 4.07 |
| TRINITY\_DN76240\_c0\_g1\_i2 | F-ATPase delta chain | 1295 | 1.85 |
| TRINITY\_DN6616\_c0\_g2\_i1 | Cytochrome c oxidase polypeptide III | 6136 | 4.34 |
| TRINITY\_DN6616\_c0\_g2\_i2 | Cytochrome c oxidase polypeptide III | 3072 | 0.22 |

\*TPM = Transcripts Per Million reads