|  |
| --- |
| **Supplementary Table 4.** Expression of the candidate genes included in this study. Values shown here correspond to the TPMs.  |
|  |  |  |  |  |  |  |  |  |
|  |  |  | **TPMs (transcripts per million)** |
| **Gene name** | **Contig** | **Gene Family** | **Limb S6** | **Limb S9** | **Tube S6** | **Tube S9** | **Utricle S6** | **Utricle S9** |
| *AfimCHS* | TRINITY\_DN9802\_c3\_g1\_i2 | [Chalcone/stilbene synthases family](https://www.uniprot.org/uniprot/?query=family:%22thiolase-like+superfamily.+Chalcone%2Fstilbene+synthases+family%22&sort=score)1 | 2533,3 | 23128,9 | 3429,0 | 12335,0 | 1731,2 | 1499,0 |
| *AfimCHI* | TRINITY\_DN10005\_c1\_g2\_i2 |  [Chalcone isomerase family](https://www.uniprot.org/uniprot/?query=family:%22chalcone+isomerase+family%22&sort=score) 1 | 395,2 | 222,7 | 544,9 | 419,3 | 335,1 | 3029,7 |
| *AfimANS* | TRINITY\_DN11096\_c1\_g3\_i1 |  [Iron/ascorbate-dependent oxidoreductase family](https://www.uniprot.org/uniprot/?query=family:%22iron%2Fascorbate-dependent+oxidoreductase+family%22&sort=score) 1 | 65,7 | 1713,1 | 559,0 | 5403,2 | 21,9 | 3837,7 |
| *AfimF3H* | TRINITY\_DN10618\_c3\_g5\_i1 |  [Iron/ascorbate-dependent oxidoreductase family](https://www.uniprot.org/uniprot/?query=family:%22iron%2Fascorbate-dependent+oxidoreductase+family%22&sort=score) 1 | 2369,1 | 4858,2 | 4876,6 | 10242,0 | 2158,9 | 7249,9 |
| *AfimBZ1* | TRINITY\_DN8920\_c2\_g6\_i4 | [UDP-glycosyltransferase family](https://www.uniprot.org/uniprot/?query=family:%22UDP-glycosyltransferase+family%22&sort=score) 1 | 179,6 | 155,1 | 133,9 | 137,0 | 148,7 | 288,3 |
| *AfimDFR* | TRINITY\_DN9918\_c0\_g1\_i8 |  [NAD(P)-dependent epimerase/dehydratase family](https://www.uniprot.org/uniprot/?query=family:%22NAD%28P%29-dependent+epimerase%2Fdehydratase+family%22&sort=score) 1 | 16,9 | 40,5 | 8,2 | 1815,9 | 25,5 | 1957,6 |
| *AfimMYB114-like* | TRINITY\_DN9480\_c1\_g5\_i2 | R2R3-MYB 2 | 664,2 | 231,5 | 590,8 | 321,6 | 613,0 | 154,8 |
| *AfimTT8* | TRINITY\_DN9239\_c2\_g1\_i10 | bHLH 2 | 0,0 | 7,9 | 24,1 | 6,0 | 6,7 | 3,2 |
| *AfimGL3* | TRINITY\_DN10530\_c1\_g1\_i16 | bHLH 2 | 41,6 | 21,1 | 61,2 | 0,0 | 14,1 | 30,7 |
| *AfimTTG1* | TRINITY\_DN11667\_c3\_g3\_i2 | WD-40 Repeat Protein 2 | 1257,4 | 1918,5 | 772,4 | 4067,0 | 900,3 | 2430,0 |

1 Classification from UniProt database.

2 Classification from TAIR database.