**Table S1.** Description of the length of the coding sequence in terms of translated amino acids (aa) and the number of intervening introns. Voucher codes refer to taxa listed in Table 2.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Arr2** | | **Iap2** | | **TPI** | | **UBA5** | | **PAPB1** | |
| Voucher | aa | introns | aa | introns | aa | introns | aa | introns | aa | introns |
|  |  |  |  |  |  |  |  |  |  |  |
| Antrib02 | 166 | 2 | 210 | 0 | 188 | 1 | - | - | 147 | 0 |
| Antrib03 | 166 | 0 | 210 | 0 | - | - | - | - | - | - |
| Antrib04 | - | - | 214 | 0 | - | - | 116 | 1 | 147 | 0 |
| AtApo01 | - | - | - | - | - | - | - | - | 95 | 1 |
| AtApo02 | 169 | 1 | - | - | - | - | - | - | - | - |
| BrApi01 | - | - | - | - | 188 | 3 | - | - | 147 | 0 |
| BrApi03 | - | - | - | - | - | - | - | - | 147 | 0 |
| BrBre01 | - | - | - | - | - | - | 116 | 1 | 147 | 0 |
| BrBre02 | 144 | 2 | - | - | 188 | 2 | - | - | - | - |
| BrBre03 | 165 | 2 | - | - | - | - | 116 | 1 | 147 | 0 |
| CdCod02 | - | - | 201 | 1 | 188 | 1 | 116 | 1 | - | - |
| CdMet01 | 166 | 1 | - | - | 188 | 1 | - | - | 147 | 0 |
| CdSpr01 | - | - | 225 | 1 | 188 | 2 | - | - | 147 | 0 |
| CdZyg01 | 166 | 3 | 186 | 1 | 188 | 1 | 116 | 1 | 147 | 0 |
| CeRhi01 | - | - | 215 | 1 | 188 | 1 | - | - | 147 | 0 |
| CeZac01 | - | - | 215 | 1 | 188 | 1 | 116 | 0 | 147 | 0 |
| ClLar01 | - | - | 216 | 1 | - | - | 116 | 1 | 147 | 0 |
| ClLix01 | 147 | 3 | 218 | 1 | - | - | 116 | 1 | - | - |
| CpCop01 | 163 | 1 | - | - | 188 | 2 | - | - | 147 | 0 |
| Crh\_Psx01 | - | - | - | - | - | - | - | - | 147 | 0 |
| Crh\_sp1 | - | - | - | - | 107 | 2 | 116 | 1 | 147 | 0 |
| Crh\_sp2 | - | - | 179 | 0 | 188 | 1 | 116 | 1 | 147 | 0 |
| CsAru01 | 163 | 3 | 216 | 1 | - | - | 116 | 1 | - | - |
| CsAru02 | 166 | 3 | 215 | 1 | - | - | 116 | 1 | 147 | 0 |
| CsCpt02 | - | - | - | - | 188 | 2 | 98 | 1 | 147 | 0 |
| CsMes01 | - | - | - | - | 59 | 2 | - | - | 147 | 0 |
| CsPsc01 | 166 | 3 | 216 | 1 | - | - | 116 | 1 | 147 | 0 |
| CsPse01 | 168 | 3 | 185 | - | 188 | 2 | 116 | 1 | 147 | 0 |
| CsRhy02 | - | - | 216 | 1 | - | - | 116 | 1 | - | - |
| CsXen01 | - | - | - | - | - | - | 116 | 1 | 147 | 0 |
| CsXxA01 |  | - | 216 | 1 | - | - | - | - | 147 | 0 |
| CsXxA02 | 144 | 3 | 216 | 1 | - | - | 116 | 1 | 147 | 0 |
| CsXxA03 | 129 | 3 | 216 | 1 | - | - | 116 | 1 | 147 | 0 |
| CtMic03 | 166 | 1 | 214 | 1 | 110 | 2 | 116 | 0 | 147 | 0 |
| CuSib01 | - | - | - | - | - | - | - | - | 147 | 0 |
| DrDry02 | 156 | 0 | 220 | 1 | 188 | 0 | 116 | 0 | - | - |
| Dryoph01 | - | - | - | - | 178 | 1 | 116 | 1 | 147 | 0 |
| Dryoph02 | - | - | - | - | - | - | 95 | 1 | 147 | 0 |
| Dryoph04 | - | - | 215 | 0 | 49 | 0 | 116 | 1 | 147 | 0 |
| Dryoph05 | - | - | 217 | 1 | 171 | 2 | - | - | 147 | 0 |
| Dryoph06 | - | - | - | - | - | - | 116 | 1 | - | - |
| EnChl01 | - | - | 222 | 1 | - | - | 116 | 1 | 147 | 0 |
| EnOti01 | - | - | - | - | - | - | - | - | 147 | 0 |
| EnOti02 | - | - | 209 | 1 | - | - | - | - | 147 | 0 |
| EnPol01 | - | - | - | - | - | - | - | - | - | - |
| EnSit01 | - | - | - | - | - | - | - | - | - | - |
| ErHim01 | - | - | - | - | - | - | - | - | 147 | 0 |
| HlDac01 | - | - | 194 | 1 | - | - | - | - | - | - |
| HlHyl02 | 165 | 2 | - | - | 119 | 2 | 116 | 1 | - | - |
| HlPhb02 | - | - | - | - | 188 | 2 | - | - | - | - |
| MeMec01 | 134 | 0 | - | - | - | - | - | - | 147 | 0 |
| MoAmo01 | - | - | 219 | 1 | 188 | 2 | 116 | 1 | 147 | 0 |
| MoHyl01 | - | - | 188 | 0 | - | - | 116 | 1 | 147 | 0 |
| MoPor01 | 166 | 3 | 219 | 1 | 188 | 2 | 116 | 1 | 147 | 0 |
| MoXxx01 | - | - | 216 | 1 | 188 | 2 | 116 | 1 | 147 | 0 |
| PlPla07 | - | - | 217 | 1 | 188 | 2 | 105 | 1 | 135 | 0 |
| PlTel01 | 165 | 3 | - | - | - | - | 116 | 1 | 147 | 0 |
| PlTel02 | - | - | - | - | - | - | 116 | 1 | 147 | 0 |
| PlTri02 | 165 | 3 | - | - | 182 | 2 | 116 | 1 | 147 | 0 |
| ScCam02 | 166 | 3 | 157 | 1 | - | - | 114 | 1 | 147 | 0 |
| ScCne01 | 166 | 3 | - | - | - | - | 116 | 1 | 147 | 0 |
| ScScl02 | 166 | 3 | 218 | 1 | - | - | 116 | 1 | 147 | 0 |
| ToDen01 | - | - | - | - | - | - | - | - | - | - |
| ToTom01 | 165 | 3 | - | - | 188 | 1 | 116 | 1 | 147 | 0 |
| TsCen01 | 165 | 2 | - | - | - | - | 116 | 1 | 146 | 0 |
| TsCha02 | 165 | 3 | - | - | - | - | - | - | 147 | 0 |
| TsDia01 | - | - | 208 | 1 | 188 | 2 | 116 | 1 | 147 | 0 |
| TsDia02 | - | - | 181 | 1 | 188 | 2 | 117 | 1 | 147 | 0 |
| TsGen02 | 147 | 3 | 206 | 1 | - | - | - | - | 147 | 0 |
| TsNot01 | - | - | - | - | - | - | 116 | 1 | - | - |
| TsSpa01 | 132 | 3 | 216 | 1 | 165 | 2 | 116 | 1 | 147 | 0 |
| TsTes01 | 149 | 2 | 216 | 1 | 163 | 2 | 116 | 1 | 146 | 0 |