**Supplementary Table 1.** Parsimony infomative sites in the deduced ATPSα intron haplotypes. Each accession is separated into the two haplotypes suggested by Phase analysis. The variable sites in the alignment of the sequences are listed above the table. The parsimony-informative sites are in bold font.

Variable sites: 22 25 **82** 87 89 **94 97 99** 104 **107 118** 120 **121 132 139 144** 170 **181** 203 208 209 **222** 223 224 225 **231** 246 **255 258** **270** 279 281 **287** 310 **312**

|  |  |
| --- | --- |
|  | ....|....|....|... |
| MH221531-a | ```CAAGTCATAGAAGTAGAC |
| MH221531-b | .................. |
| MH221534-a | ..G..........A.... |
| MH221546-a | .............A.... |
| MH221544-b | .............A.... |
| MH221530-a | .............A.... |
| MH221544-a | .............A.... |
| MH221530-b | .............A..T. |
| MH221528-a | .............A..T. |
| MH221528-b | .............A..T. |
| MH221553-b | .............A..-- |
| MH221546-b | .T...........A.... |
| MH221539-a | .C..........AA.A.T |
| MH221553-a | ....C........A.A.. |
| MH221532-b | .T..........CA.... |
| MH221533-a | ............CA.... |
| MH221540-a | T...........CAG..T |
| MH221542-b | T...........CAG..T |
| MH221550-a | TC...A..C...CAG... |
| MH221547-a | TC......C...CAG..T |
| MH221549-a | TC......C...CAG..T |
| MH221549-b | TC......C...CAG..T |
| MH221551-a | TC......C...CAG..T |
| MH221551-b | TC......C...CAG..T |
| MH221537-a | TC......C...CAG..T |
| MH221550-b | TC...A..C.G.CAG... |
| MH221542-b | TT....C.C.G.CAG... |
| MH221554-a | TC......C.G.CAG... |
| MH221554-b | TC......C.G.CAG... |
| MH221547-b | TC......C.G.CAG..T |
| MH221552-a | TC......C.G.CAG..T |
| MH221552-b | TC......C.G.CAG..T |
| MH221537-b | TC......C.G.CAG..T |
| MH221556-a | TC................ |
| MH221548-a | TC......CT..CAG..T |
| MH221548-b | TC......CT..CAG..T |
| MH221543-b | TC......G...CAG..T |
| MH221542-a | TC.A.....C..CAG... |
| MH221536-a | TC.A.....C..CAG..T |
| MH221541-a | TC.A....C...CAG..T |
| MH221541-b | TC.A....C...CAG..T |
| MH221539-b | TC.A....C...CAG..T |
| MH221540-b | TC..........CAG..T |
| MH221542-a | ........C...CAG..T |
| MH221538-b | T..A....C...CAG..T |
| MH221555-a | T.......C...CAG..T |
| MH221555-b | T.......C...C.GA.. |
| MH221556-b | TT..A............. |
| MH221538-a | ............C.GA.. |
| MH221527-b | ......G......AG.T. |
| MH221527-a | ...........TCAG.T. |
| MH221533-b | .T....GA.C.TCAG... |
| MH221535-a | .T....GA.C.TCAG... |
| MH221545-a | .T....GA.C.TCAG... |
| MH221545-b | .T....GA.C.TCAG... |
| MH221536-b | TT....GA.C.TCAG..T |
| MH221543-a | .T....GA.C.TCAG..T |
| MH221534-b | .TG.C.GA.C..CAG... |
| MH221532-a | .T.....A.C.TCAG... |
| MH221535-b | .T....GA.C.T.A.... |