

# Additional file

**Additional file 4. Table S4. Sequences used to define the genetic variability among different populations each assigned to specific refugia (Balkan, Iberia, and Italy).**

| Specimen | No. ind. | Country | Location               | Pop. ID    | GenBank  | Source                  |
|----------|----------|---------|------------------------|------------|----------|-------------------------|
| ait072   | 1        | Greece  | Aitolokarmania, Greece | Balkan_001 | JF774186 | Alexandri et al. (2012) |
| ait440   | 1        | Greece  | Aitolokarmania, Greece | Balkan_002 | JF774182 | Alexandri et al. (2012) |
| ait305   | 1        | Greece  | Aitolokarmania, Greece | Balkan_003 | JF774289 | Alexandri et al. (2012) |
| ait297   | 1        | Greece  | Aitolokarmania, Greece | Balkan_004 | JF774312 | Alexandri et al. (2012) |
| ait286   | 1        | Greece  | Aitolokarmania, Greece | Balkan_005 | JF774290 | Alexandri et al. (2012) |
| ait278   | 1        | Greece  | Aitolokarmania, Greece | Balkan_006 | JF774317 | Alexandri et al. (2012) |
| ait400   | 1        | Greece  | Aitolokarmania, Greece | Balkan_007 | JF774351 | Alexandri et al. (2012) |
| ait261   | 1        | Greece  | Aitolokarmania, Greece | Balkan_008 | JF774308 | Alexandri et al. (2012) |
| ait126   | 1        | Greece  | Aitolokarmania, Greece | Balkan_009 | JF774350 | Alexandri et al. (2012) |
| ait127   | 1        | Greece  | Aitolokarmania, Greece | Balkan_010 | JF774320 | Alexandri et al. (2012) |
| ait500   | 1        | Greece  | Aitolokarmania, Greece | Balkan_011 | JF774348 | Alexandri et al. (2012) |
| ait049   | 1        | Greece  | Aitolokarmania, Greece | Balkan_012 | JF774294 | Alexandri et al. (2012) |
| ait109   | 1        | Greece  | Aitolokarmania, Greece | Balkan_013 | JF774359 | Alexandri et al. (2012) |
| dra012   | 1        | Greece  | Drama, Greece          | Balkan_014 | JF774228 | Alexandri et al. (2012) |
| dra035   | 1        | Greece  | Drama, Greece          | Balkan_015 | JF774229 | Alexandri et al. (2012) |
| dra046   | 1        | Greece  | Drama, Greece          | Balkan_016 | JF774236 | Alexandri et al. (2012) |
| Dra015   | 1        | Greece  | Drama, Greece          | Balkan_017 | JF774234 | Alexandri et al. (2012) |
| dra009   | 1        | Greece  | Drama, Greece          | Balkan_018 | JF774279 | Alexandri et al. (2012) |
| dra001   | 1        | Greece  | Drama, Greece          | Balkan_019 | JF774247 | Alexandri et al. (2012) |
| dra005   | 1        | Greece  | Drama, Greece          | Balkan_020 | JF774271 | Alexandri et al. (2012) |
| dra007   | 1        | Greece  | Drama, Greece          | Balkan_021 | JF774256 | Alexandri et al. (2012) |
| drm037   | 1        | Greece  | Drama, Greece          | Balkan_022 | JF774187 | Alexandri et al. (2012) |
| drm129   | 1        | Greece  | Drama, Greece          | Balkan_023 | JF774232 | Alexandri et al. (2012) |
| drm015   | 1        | Greece  | Drama, Greece          | Balkan_024 | JF774237 | Alexandri et al. (2012) |
| Ebr017   | 1        | Greece  | Ebros, Greece          | Balkan_025 | JF774188 | Alexandri et al. (2012) |
| Ebr020   | 1        | Greece  | Ebros, Greece          | Balkan_026 | JF774219 | Alexandri et al. (2012) |
| EbrT18   | 1        | Greece  | Ebros, Greece          | Balkan_027 | JF774253 | Alexandri et al. (2012) |
| EbrT22   | 1        | Greece  | Ebros, Greece          | Balkan_028 | JF774254 | Alexandri et al. (2012) |
| EbrT21   | 1        | Greece  | Ebros, Greece          | Balkan_029 | JF774207 | Alexandri et al. (2012) |
| Ebr003   | 1        | Greece  | Ebros, Greece          | Balkan_030 | JF774184 | Alexandri et al. (2012) |
| Ebr014   | 1        | Greece  | Ebros, Greece          | Balkan_031 | JF774214 | Alexandri et al. (2012) |
| Ebr008   | 1        | Greece  | Ebros, Greece          | Balkan_032 | JF774260 | Alexandri et al. (2012) |
| Ebr018   | 1        | Greece  | Ebros, Greece          | Balkan_033 | JF774261 | Alexandri et al. (2012) |
| Ebr022   | 1        | Greece  | Ebros, Greece          | Balkan_034 | JF774262 | Alexandri et al. (2012) |
| EbrT03   | 1        | Greece  | Ebros, Greece          | Balkan_035 | JF774281 | Alexandri et al. (2012) |
| EbrT04   | 1        | Greece  | Ebros, Greece          | Balkan_036 | JF774283 | Alexandri et al. (2012) |
| EbrT27   | 1        | Greece  | Ebros, Greece          | Balkan_037 | JF774280 | Alexandri et al. (2012) |
| EbrT05   | 1        | Greece  | Ebros, Greece          | Balkan_038 | JF774244 | Alexandri et al. (2012) |
| EbrT15   | 1        | Greece  | Ebros, Greece          | Balkan_039 | JF774248 | Alexandri et al. (2012) |
| Ebr025   | 1        | Greece  | Ebros, Greece          | Balkan_040 | JF774272 | Alexandri et al. (2012) |
| EbrT01   | 1        | Greece  | Ebros, Greece          | Balkan_041 | JF774252 | Alexandri et al. (2012) |
| EbrT11   | 1        | Greece  | Ebros, Greece          | Balkan_042 | JF774255 | Alexandri et al. (2012) |
| eur316   | 1        | Greece  | Evritania, Greece      | Balkan_043 | JF774307 | Alexandri et al. (2012) |
| eur312   | 1        | Greece  | Evritania, Greece      | Balkan_044 | JF774335 | Alexandri et al. (2012) |
| eur308   | 1        | Greece  | Evritania, Greece      | Balkan_045 | JF774333 | Alexandri et al. (2012) |
| eur307   | 1        | Greece  | Evritania, Greece      | Balkan_046 | JF774306 | Alexandri et al. (2012) |
| eur092   | 1        | Greece  | Evritania, Greece      | Balkan_047 | JF774336 | Alexandri et al. (2012) |
| eur062   | 1        | Greece  | Evritania, Greece      | Balkan_048 | JF774305 | Alexandri et al. (2012) |
| eur480   | 1        | Greece  | Evritania, Greece      | Balkan_049 | JF774334 | Alexandri et al. (2012) |
| eur492   | 1        | Greece  | Evritania, Greece      | Balkan_050 | JF774284 | Alexandri et al. (2012) |
| eur506   | 1        | Greece  | Evritania, Greece      | Balkan_051 | JF774285 | Alexandri et al. (2012) |
| eur310   | 1        | Greece  | Evritania, Greece      | Balkan_052 | JF774355 | Alexandri et al. (2012) |
| eur088   | 1        | Greece  | Evritania, Greece      | Balkan_053 | JF774332 | Alexandri et al. (2012) |

| Specimen | No. ind. | Country | Location          | Pop. ID    | GenBank  | Source                  |
|----------|----------|---------|-------------------|------------|----------|-------------------------|
| eur061   | 1        | Greece  | Evritania, Greece | Balkan_054 | JF774183 | Alexandri et al. (2012) |
| fok290   | 1        | Greece  | Fokida, Greece    | Balkan_055 | JF774324 | Alexandri et al. (2012) |
| fok064   | 1        | Greece  | Fokida, Greece    | Balkan_056 | JF774323 | Alexandri et al. (2012) |
| fok450   | 1        | Greece  | Fokida, Greece    | Balkan_057 | JF774329 | Alexandri et al. (2012) |
| fok116   | 1        | Greece  | Fokida, Greece    | Balkan_058 | JF774297 | Alexandri et al. (2012) |
| fok115   | 1        | Greece  | Fokida, Greece    | Balkan_059 | JF774345 | Alexandri et al. (2012) |
| fok050   | 1        | Greece  | Fokida, Greece    | Balkan_060 | JF774298 | Alexandri et al. (2012) |
| fok430   | 1        | Greece  | Fokida, Greece    | Balkan_061 | JF774302 | Alexandri et al. (2012) |
| fok452   | 1        | Greece  | Fokida, Greece    | Balkan_062 | JF774339 | Alexandri et al. (2012) |
| fok046   | 1        | Greece  | Fokida, Greece    | Balkan_063 | JF774309 | Alexandri et al. (2012) |
| fok298   | 1        | Greece  | Fokida, Greece    | Balkan_064 | JF774358 | Alexandri et al. (2012) |
| fok055   | 1        | Greece  | Fokida, Greece    | Balkan_065 | JF774354 | Alexandri et al. (2012) |
| fth268   | 1        | Greece  | Fthiotida, Greece | Balkan_066 | JF774365 | Alexandri et al. (2012) |
| fth269   | 1        | Greece  | Fthiotida, Greece | Balkan_067 | JF774366 | Alexandri et al. (2012) |
| fth259   | 1        | Greece  | Fthiotida, Greece | Balkan_068 | JF774364 | Alexandri et al. (2012) |
| fth253   | 1        | Greece  | Fthiotida, Greece | Balkan_069 | JF774363 | Alexandri et al. (2012) |
| fth254   | 1        | Greece  | Fthiotida, Greece | Balkan_070 | JF774362 | Alexandri et al. (2012) |
| fth255   | 1        | Greece  | Fthiotida, Greece | Balkan_071 | JF774344 | Alexandri et al. (2012) |
| fth217   | 1        | Greece  | Fthiotida, Greece | Balkan_072 | JF774331 | Alexandri et al. (2012) |
| fth216   | 1        | Greece  | Fthiotida, Greece | Balkan_073 | JF774304 | Alexandri et al. (2012) |
| fth082   | 1        | Greece  | Fthiotida, Greece | Balkan_074 | JF774330 | Alexandri et al. (2012) |
| fth080   | 1        | Greece  | Fthiotida, Greece | Balkan_075 | JF774303 | Alexandri et al. (2012) |
| fth084   | 1        | Greece  | Fthiotida, Greece | Balkan_076 | JF774338 | Alexandri et al. (2012) |
| fth250   | 1        | Greece  | Fthiotida, Greece | Balkan_077 | JF774337 | Alexandri et al. (2012) |
| fth274   | 1        | Greece  | Fthiotida, Greece | Balkan_078 | JF774326 | Alexandri et al. (2012) |
| fth505   | 1        | Greece  | Fthiotida, Greece | Balkan_079 | JF774342 | Alexandri et al. (2012) |
| Hlk001   | 1        | Greece  | Halkidiki, Greece | Balkan_080 | JF774220 | Alexandri et al. (2012) |
| Hlk003   | 1        | Greece  | Halkidiki, Greece | Balkan_081 | JF774221 | Alexandri et al. (2012) |
| Hlk004   | 1        | Greece  | Halkidiki, Greece | Balkan_082 | JF774222 | Alexandri et al. (2012) |
| Hlk005   | 1        | Greece  | Halkidiki, Greece | Balkan_083 | JF774223 | Alexandri et al. (2012) |
| Hlk006   | 1        | Greece  | Halkidiki, Greece | Balkan_084 | JF774224 | Alexandri et al. (2012) |
| Hlk007   | 1        | Greece  | Halkidiki, Greece | Balkan_085 | JF774225 | Alexandri et al. (2012) |
| Hlk008   | 1        | Greece  | Halkidiki, Greece | Balkan_086 | JF774226 | Alexandri et al. (2012) |
| Hlk002   | 1        | Greece  | Halkidiki, Greece | Balkan_087 | JF774263 | Alexandri et al. (2012) |
| Hlk036   | 1        | Greece  | Halkidiki, Greece | Balkan_088 | JF774227 | Alexandri et al. (2012) |
| ioa319   | 1        | Greece  | Ioannina, Greece  | Balkan_089 | JF774193 | Alexandri et al. (2012) |
| ioa405   | 1        | Greece  | Ioannina, Greece  | Balkan_090 | JF774370 | Alexandri et al. (2012) |
| ioa320   | 1        | Greece  | Ioannina, Greece  | Balkan_091 | JF774371 | Alexandri et al. (2012) |
| ioa509   | 1        | Greece  | Ioannina, Greece  | Balkan_092 | JF774321 | Alexandri et al. (2012) |
| ioa212   | 1        | Greece  | Ioannina, Greece  | Balkan_093 | JF774347 | Alexandri et al. (2012) |
| ioa211   | 1        | Greece  | Ioannina, Greece  | Balkan_094 | JF774295 | Alexandri et al. (2012) |
| ioa322   | 1        | Greece  | Ioannina, Greece  | Balkan_095 | JF774369 | Alexandri et al. (2012) |
| ioa317   | 1        | Greece  | Ioannina, Greece  | Balkan_096 | JF774282 | Alexandri et al. (2012) |
| ioa507   | 1        | Greece  | Ioannina, Greece  | Balkan_097 | JF774257 | Alexandri et al. (2012) |
| ioa406   | 1        | Greece  | Ioannina, Greece  | Balkan_098 | JF774249 | Alexandri et al. (2012) |
| ioa208   | 1        | Greece  | Ioannina, Greece  | Balkan_099 | JF774368 | Alexandri et al. (2012) |
| thp408   | 1        | Greece  | Ioannina, Greece  | Balkan_100 | JF774367 | Alexandri et al. (2012) |
| thp407   | 1        | Greece  | Ioannina, Greece  | Balkan_101 | JF774372 | Alexandri et al. (2012) |
| Kbl002   | 1        | Greece  | Kavala, Greece    | Balkan_102 | JF774215 | Alexandri et al. (2012) |
| Kbl001   | 1        | Greece  | Kavala, Greece    | Balkan_103 | JF774264 | Alexandri et al. (2012) |
| Kbl004   | 1        | Greece  | Kavala, Greece    | Balkan_104 | JF774265 | Alexandri et al. (2012) |
| Kbl006   | 1        | Greece  | Kavala, Greece    | Balkan_105 | JF774266 | Alexandri et al. (2012) |
| Kbl007   | 1        | Greece  | Kavala, Greece    | Balkan_106 | JF774267 | Alexandri et al. (2012) |
| Kbl012   | 1        | Greece  | Kavala, Greece    | Balkan_107 | JF774241 | Alexandri et al. (2012) |
| Kbl026   | 1        | Greece  | Kavala, Greece    | Balkan_108 | JF774374 | Alexandri et al. (2012) |
| Kbl021   | 1        | Greece  | Kavala, Greece    | Balkan_109 | JF774379 | Alexandri et al. (2012) |
| Kbl023   | 1        | Greece  | Kavala, Greece    | Balkan_110 | JF774376 | Alexandri et al. (2012) |
| Kbl027   | 1        | Greece  | Kavala, Greece    | Balkan_111 | JF774377 | Alexandri et al. (2012) |
| Kbl030   | 1        | Greece  | Kavala, Greece    | Balkan_112 | JF774378 | Alexandri et al. (2012) |
| Kbl022   | 1        | Greece  | Kavala, Greece    | Balkan_113 | JF774380 | Alexandri et al. (2012) |
| Kbl025   | 1        | Greece  | Kavala, Greece    | Balkan_114 | JF774208 | Alexandri et al. (2012) |
| Kbl029   | 1        | Greece  | Kavala, Greece    | Balkan_115 | JF774209 | Alexandri et al. (2012) |
| Kbl028   | 1        | Greece  | Kavala, Greece    | Balkan_116 | JF774273 | Alexandri et al. (2012) |

| Specimen | No. ind. | Country  | Location             | Pop. ID    | GenBank  | Source                  |
|----------|----------|----------|----------------------|------------|----------|-------------------------|
| Kbl020   | 1        | Greece   | Kavala, Greece       | Balkan_117 | JF774408 | Alexandri et al. (2012) |
| lar225   | 1        | Greece   | Larisa, Greece       | Balkan_118 | JF774360 | Alexandri et al. (2012) |
| lar235   | 1        | Greece   | Larisa, Greece       | Balkan_119 | JF774361 | Alexandri et al. (2012) |
| lar224   | 1        | Greece   | Larisa, Greece       | Balkan_120 | JF774311 | Alexandri et al. (2012) |
| lar234   | 1        | Greece   | Larisa, Greece       | Balkan_121 | JF774293 | Alexandri et al. (2012) |
| lar228   | 1        | Greece   | Larisa, Greece       | Balkan_122 | JF774291 | Alexandri et al. (2012) |
| lar513   | 1        | Greece   | Larisa, Greece       | Balkan_123 | JF774322 | Alexandri et al. (2012) |
| lar232   | 1        | Greece   | Larisa, Greece       | Balkan_124 | JF774319 | Alexandri et al. (2012) |
| lar230   | 1        | Greece   | Larisa, Greece       | Balkan_125 | JF774318 | Alexandri et al. (2012) |
| lar223   | 1        | Greece   | Larisa, Greece       | Balkan_126 | JF774288 | Alexandri et al. (2012) |
| lar231   | 1        | Greece   | Larisa, Greece       | Balkan_127 | JF774292 | Alexandri et al. (2012) |
| lar233   | 1        | Greece   | Larisa, Greece       | Balkan_128 | JF774349 | Alexandri et al. (2012) |
| lar226   | 1        | Greece   | Larisa, Greece       | Balkan_129 | JF774258 | Alexandri et al. (2012) |
| mag524   | 1        | Greece   | Magnisia, Greece     | Balkan_130 | JF774315 | Alexandri et al. (2012) |
| mag518   | 1        | Greece   | Magnisia, Greece     | Balkan_131 | JF774346 | Alexandri et al. (2012) |
| mag227   | 1        | Greece   | Magnisia, Greece     | Balkan_132 | JF774316 | Alexandri et al. (2012) |
| mag222   | 1        | Greece   | Magnisia, Greece     | Balkan_133 | JF774296 | Alexandri et al. (2012) |
| mag229   | 1        | Greece   | Magnisia, Greece     | Balkan_134 | JF774313 | Alexandri et al. (2012) |
| mag523   | 1        | Greece   | Magnisia, Greece     | Balkan_135 | JF774353 | Alexandri et al. (2012) |
| pel355   | 1        | Greece   | Pella, Greece        | Balkan_136 | JF774204 | Alexandri et al. (2012) |
| pel352   | 1        | Greece   | Pella, Greece        | Balkan_137 | JF774230 | Alexandri et al. (2012) |
| pel351   | 1        | Greece   | Pella, Greece        | Balkan_138 | JF774373 | Alexandri et al. (2012) |
| pel353   | 1        | Greece   | Pella, Greece        | Balkan_139 | JF774210 | Alexandri et al. (2012) |
| pel350   | 1        | Greece   | Pella, Greece        | Balkan_140 | JF774213 | Alexandri et al. (2012) |
| pel354   | 1        | Greece   | Pella, Greece        | Balkan_141 | JF774352 | Alexandri et al. (2012) |
| Rod001   | 1        | Greece   | Rodopi, Greece       | Balkan_142 | JF774205 | Alexandri et al. (2012) |
| Rod012   | 1        | Greece   | Rodopi, Greece       | Balkan_143 | JF774185 | Alexandri et al. (2012) |
| Rod008   | 1        | Greece   | Rodopi, Greece       | Balkan_144 | JF774216 | Alexandri et al. (2012) |
| Rod010   | 1        | Greece   | Rodopi, Greece       | Balkan_145 | JF774217 | Alexandri et al. (2012) |
| Rod017   | 1        | Greece   | Rodopi, Greece       | Balkan_146 | JF774218 | Alexandri et al. (2012) |
| RodT08   | 1        | Greece   | Rodopi, Greece       | Balkan_147 | JF774240 | Alexandri et al. (2012) |
| Rod002   | 1        | Greece   | Rodopi, Greece       | Balkan_148 | JF774238 | Alexandri et al. (2012) |
| Rod003   | 1        | Greece   | Rodopi, Greece       | Balkan_149 | JF774239 | Alexandri et al. (2012) |
| RodT10   | 1        | Greece   | Rodopi, Greece       | Balkan_150 | JF774246 | Alexandri et al. (2012) |
| RodT09   | 1        | Greece   | Rodopi, Greece       | Balkan_151 | JF774245 | Alexandri et al. (2012) |
| Rod007   | 1        | Greece   | Rodopi, Greece       | Balkan_152 | JF774274 | Alexandri et al. (2012) |
| Rod006   | 1        | Greece   | Rodopi, Greece       | Balkan_153 | JF774250 | Alexandri et al. (2012) |
| Rod015   | 1        | Greece   | Rodopi, Greece       | Balkan_154 | JF774277 | Alexandri et al. (2012) |
| ths128   | 1        | Greece   | Thessaloniki, Greece | Balkan_155 | JF774192 | Alexandri et al. (2012) |
| Ths001   | 1        | Greece   | Thessaloniki, Greece | Balkan_156 | JF774268 | Alexandri et al. (2012) |
| Ths002   | 1        | Greece   | Thessaloniki, Greece | Balkan_157 | JF774269 | Alexandri et al. (2012) |
| Ths003   | 1        | Greece   | Thessaloniki, Greece | Balkan_158 | JF774198 | Alexandri et al. (2012) |
| Ths004   | 1        | Greece   | Thessaloniki, Greece | Balkan_159 | JF774270 | Alexandri et al. (2012) |
| tri360   | 1        | Greece   | Trikala, Greece      | Balkan_160 | JF774299 | Alexandri et al. (2012) |
| tri514   | 1        | Greece   | Trikala, Greece      | Balkan_161 | JF774259 | Alexandri et al. (2012) |
| tri357   | 1        | Greece   | Trikala, Greece      | Balkan_162 | JF774251 | Alexandri et al. (2012) |
| tri359   | 1        | Greece   | Trikala, Greece      | Balkan_163 | JF774275 | Alexandri et al. (2012) |
| voi014   | 1        | Greece   | Voiotia, Greece      | Balkan_164 | JF774286 | Alexandri et al. (2012) |
| voi236   | 1        | Greece   | Voiotia, Greece      | Balkan_165 | JF774300 | Alexandri et al. (2012) |
| voi306   | 1        | Greece   | Voiotia, Greece      | Balkan_166 | JF774301 | Alexandri et al. (2012) |
| voi264   | 1        | Greece   | Voiotia, Greece      | Balkan_167 | JF774341 | Alexandri et al. (2012) |
| voi422   | 1        | Greece   | Voiotia, Greece      | Balkan_168 | JF774328 | Alexandri et al. (2012) |
| voi237   | 1        | Greece   | Voiotia, Greece      | Balkan_169 | JF774327 | Alexandri et al. (2012) |
| voi423   | 1        | Greece   | Voiotia, Greece      | Balkan_170 | JF774340 | Alexandri et al. (2012) |
| voi445   | 1        | Greece   | Voiotia, Greece      | Balkan_171 | JF774287 | Alexandri et al. (2012) |
| voi003   | 1        | Greece   | Voiotia, Greece      | Balkan_172 | JF774314 | Alexandri et al. (2012) |
| voi011   | 1        | Greece   | Voiotia, Greece      | Balkan_173 | JF774325 | Alexandri et al. (2012) |
| voi056   | 1        | Greece   | Voiotia, Greece      | Balkan_174 | JF774356 | Alexandri et al. (2012) |
| voi242   | 1        | Greece   | Voiotia, Greece      | Balkan_175 | JF774357 | Alexandri et al. (2012) |
| voi013   | 1        | Greece   | Voiotia, Greece      | Balkan_176 | JF774343 | Alexandri et al. (2012) |
| GL222    | 1        | Portugal | Estremadra           | Iberia_001 | AY884698 | Larson et al. (2005)    |
| Jav01Ses | 1        | Portugal | Serra da Estrela     | Iberia_002 | HM747208 | Alves et al. (2010)     |

| Specimen | No. ind. | Country  | Location                     | Pop. ID    | GenBank  | Source               |
|----------|----------|----------|------------------------------|------------|----------|----------------------|
| Jav14Ses | 1        | Portugal | Serra da Estrela             | Iberia_003 | HM747208 | Alves et al. (2010)  |
| Jav15Ses | 1        | Portugal | Serra da Estrela             | Iberia_004 | HM747209 | Alves et al. (2010)  |
| Jav21Ses | 1        | Portugal | Serra da Estrela             | Iberia_005 | HM747208 | Alves et al. (2010)  |
| Jav27Ses | 1        | Portugal | Serra da Estrela             | Iberia_006 | HM747208 | Alves et al. (2010)  |
| Jav28Ses | 1        | Portugal | Serra da Estrela             | Iberia_007 | HM747208 | Alves et al. (2010)  |
| Jav29Ses | 1        | Portugal | Serra da Estrela             | Iberia_008 | HM747202 | Alves et al. (2010)  |
| Jav30Ses | 1        | Portugal | Serra da Estrela             | Iberia_009 | HM747208 | Alves et al. (2010)  |
| Jav31Ses | 1        | Portugal | Serra da Estrela             | Iberia_010 | HM747202 | Alves et al. (2010)  |
| Jav33Ses | 1        | Portugal | Serra da Estrela             | Iberia_011 | HM747208 | Alves et al. (2010)  |
| Jav34Ses | 1        | Portugal | Serra da Estrela             | Iberia_012 | HM747209 | Alves et al. (2010)  |
| Jav35Ses | 1        | Portugal | Serra da Estrela             | Iberia_013 | HM747208 | Alves et al. (2010)  |
| Jav36Cer | 1        | Portugal | Cercal                       | Iberia_014 | HM747205 | Alves et al. (2010)  |
| Jav37Cer | 1        | Portugal | Cercal                       | Iberia_015 | HM747205 | Alves et al. (2010)  |
| Jav38Cer | 1        | Portugal | Cercal                       | Iberia_016 | HM747205 | Alves et al. (2010)  |
| Jav39Cer | 1        | Portugal | Cercal                       | Iberia_017 | HM747205 | Alves et al. (2010)  |
| Jav40Cer | 1        | Portugal | Cercal                       | Iberia_018 | HM747205 | Alves et al. (2010)  |
| Jav41Rmo | 1        | Portugal | Reguengos de Monsaraz        | Iberia_019 | HM747205 | Alves et al. (2010)  |
| Jav42Rmo | 1        | Portugal | Reguengos de Monsaraz        | Iberia_020 | HM747205 | Alves et al. (2010)  |
| Jav43Rmo | 1        | Portugal | Reguengos de Monsaraz        | Iberia_021 | HM747205 | Alves et al. (2010)  |
| Jav44Rmo | 1        | Portugal | Reguengos de Monsaraz        | Iberia_022 | HM747205 | Alves et al. (2010)  |
| Jav45Rmo | 1        | Portugal | Reguengos de Monsaraz        | Iberia_023 | HM747205 | Alves et al. (2010)  |
| Jav47Vgu | 1        | Portugal | Serpa, Vale do Guadiana      | Iberia_024 | HM747205 | Alves et al. (2010)  |
| Jav50Vgu | 1        | Portugal | Serpa, Vale do Guadiana      | Iberia_025 | HM747205 | Alves et al. (2010)  |
| Jav54Vgu | 1        | Portugal | Mértola, Vale do Guadiana    | Iberia_026 | HM747205 | Alves et al. (2010)  |
| Jav56Vgu | 1        | Portugal | Mértola, Vale do Guadiana    | Iberia_027 | HM747205 | Alves et al. (2010)  |
| Jav59Alg | 1        | Portugal | Aljezur, Algarve             | Iberia_028 | HM747198 | Alves et al. (2010)  |
| Jav61Alg | 1        | Portugal | Aljezur, Algarve             | Iberia_029 | HM747198 | Alves et al. (2010)  |
| Jav65Alg | 1        | Portugal | Vila do Bispo, Algarve       | Iberia_030 | HM747198 | Alves et al. (2010)  |
| Jav67Alg | 1        | Portugal | Vila do Bispo, Algarve       | Iberia_031 | HM747198 | Alves et al. (2010)  |
| Jav83Bra | 1        | Portugal | Bragança                     | Iberia_032 | HM747201 | Alves et al. (2010)  |
| Jav84Bra | 1        | Portugal | Bragança                     | Iberia_033 | HM747202 | Alves et al. (2010)  |
| Jav85Bra | 1        | Portugal | Bragança                     | Iberia_034 | HM747203 | Alves et al. (2010)  |
| Jav86Bra | 1        | Portugal | Bragança                     | Iberia_035 | HM747204 | Alves et al. (2010)  |
| Jav87Bra | 1        | Portugal | Bragança                     | Iberia_036 | HM747204 | Alves et al. (2010)  |
| Jav89Bra | 1        | Portugal | Bragança                     | Iberia_037 | HM747204 | Alves et al. (2010)  |
| PT01     | 1        | Portugal | Serra da Lousã, Lousã        | Iberia_038 | HM747208 | Vilaça et al. (2014) |
| PT04     | 1        | Portugal | Serra da Lousã, Lousã        | Iberia_039 | HM747208 | Vilaça et al. (2014) |
| PT05     | 1        | Portugal | Morais, Macedo de Cavaleiros | Iberia_040 | HM747204 | Vilaça et al. (2014) |
| PT06     | 1        | Portugal | Morais, Macedo de Cavaleiros | Iberia_041 | HM747204 | Vilaça et al. (2014) |
| PT07     | 1        | Portugal | Morais, Macedo de Cavaleiros | Iberia_042 | HM747204 | Vilaça et al. (2014) |
| PT08     | 1        | Portugal | Morais, Macedo de Cavaleiros | Iberia_043 | HM747204 | Vilaça et al. (2014) |
| PT09     | 1        | Portugal | Morais, Macedo de Cavaleiros | Iberia_044 | HM747204 | Vilaça et al. (2014) |
| PT10     | 1        | Portugal | Junqueira, Vimioso           | Iberia_045 | HM747204 | Vilaça et al. (2014) |
| PT11     | 1        | Portugal | Junqueira, Vimioso           | Iberia_046 | HM747204 | Vilaça et al. (2014) |
| PT13     | 1        | Portugal | Junqueira, Vimioso           | Iberia_047 | HM747204 | Vilaça et al. (2014) |
| PT14     | 1        | Portugal | Junqueira, Vimioso           | Iberia_048 | HM747204 | Vilaça et al. (2014) |
| PT21     | 1        | Portugal | Quintela, Bragança           | Iberia_049 | HM747208 | Vilaça et al. (2014) |
| PT26     | 1        | Portugal | Alvaredos, Vinhais           | Iberia_050 | HM747204 | Vilaça et al. (2014) |
| PT28     | 1        | Portugal | Palaçoulo, Miranda do Douro  | Iberia_051 | HM747204 | Vilaça et al. (2014) |

| Specimen  | No. ind. | Country  | Location                      | Pop. ID    | GenBank  | Source               |
|-----------|----------|----------|-------------------------------|------------|----------|----------------------|
| PT31      | 1        | Portugal | Palaçoulo, Miranda do Douro   | Iberia_052 | HM747204 | Vilaça et al. (2014) |
| PT32      | 1        | Portugal | Palaçoulo, Miranda do Douro   | Iberia_053 | HM747204 | Vilaça et al. (2014) |
| D82       | 1        | Spain    | Lugar Nuevo                   | Iberia_054 | HM747211 | Vilaça et al. (2014) |
| D83       | 1        | Spain    | Lugar Nuevo                   | Iberia_055 | HM747211 | Vilaça et al. (2014) |
| D84       | 1        | Spain    | Lugar Nuevo                   | Iberia_056 | HM747211 | Vilaça et al. (2014) |
| GL221     | 1        | Spain    | Asturias                      | Iberia_057 | AY884697 | Larson et al. (2005) |
| GL242     | 1        | Spain    | Aragon                        | Iberia_058 | AY884714 | Larson et al. (2005) |
| GL52      | 1        | Spain    | Burgos, Palacios de la Sierra | Iberia_059 | AY884616 | Larson et al. (2005) |
| Jve01Jae  | 1        | Spain    | Jaén                          | Iberia_060 | HM747211 | Alves et al. (2010)  |
| Jve02Jae  | 1        | Spain    | Jaén                          | Iberia_061 | HM747211 | Alves et al. (2010)  |
| Jve102Pyr | 1        | Spain    | Pyrenees                      | Iberia_062 | HM747201 | Alves et al. (2010)  |
| Jve104Pyr | 1        | Spain    | Pyrenees                      | Iberia_063 | HM747199 | Alves et al. (2010)  |
| Jve105Pyr | 1        | Spain    | Pyrenees                      | Iberia_064 | HM747201 | Alves et al. (2010)  |
| Jve106Pyr | 1        | Spain    | Pyrenees                      | Iberia_065 | HM747201 | Alves et al. (2010)  |
| Jve110Pyr | 1        | Spain    | Pyrenees                      | Iberia_066 | HM747201 | Alves et al. (2010)  |
| Jve111Pyr | 1        | Spain    | Pyrenees                      | Iberia_067 | HM747201 | Alves et al. (2010)  |
| Jve112Pyr | 1        | Spain    | Pyrenees                      | Iberia_068 | HM747201 | Alves et al. (2010)  |
| Jve115Veb | 1        | Spain    | Valle del Ebro                | Iberia_069 | HM747201 | Alves et al. (2010)  |
| Jve116Veb | 1        | Spain    | Valle del Ebro                | Iberia_070 | HM747201 | Alves et al. (2010)  |
| Jve117Veb | 1        | Spain    | Valle del Ebro                | Iberia_071 | HM747201 | Alves et al. (2010)  |
| Jve119Veb | 1        | Spain    | Valle del Ebro                | Iberia_072 | HM747201 | Alves et al. (2010)  |
| Jve11Cre  | 1        | Spain    | Ciudad Real                   | Iberia_073 | HM747211 | Alves et al. (2010)  |
| Jve120Veb | 1        | Spain    | Valle del Ebro                | Iberia_074 | HM747206 | Alves et al. (2010)  |
| Jve124Veb | 1        | Spain    | Valle del Ebro                | Iberia_075 | HM747206 | Alves et al. (2010)  |
| Jve125Veb | 1        | Spain    | Valle del Ebro                | Iberia_076 | HM747206 | Alves et al. (2010)  |
| Jve127Veb | 1        | Spain    | Valle del Ebro                | Iberia_077 | HM747201 | Alves et al. (2010)  |
| Jve128Mun | 1        | Spain    | Montes Universales            | Iberia_078 | HM747201 | Alves et al. (2010)  |
| Jve129Mun | 1        | Spain    | Montes Universales            | Iberia_079 | HM747201 | Alves et al. (2010)  |
| Jve12Cre  | 1        | Spain    | Ciudad Real                   | Iberia_080 | HM747211 | Alves et al. (2010)  |
| Jve131Mun | 1        | Spain    | Montes Universales            | Iberia_081 | HM747201 | Alves et al. (2010)  |
| Jve132Mun | 1        | Spain    | Montes Universales            | Iberia_082 | HM747201 | Alves et al. (2010)  |
| Jve133Mun | 1        | Spain    | Montes Universales            | Iberia_083 | HM747201 | Alves et al. (2010)  |
| Jve134Bur | 1        | Spain    | Burgos                        | Iberia_084 | HM747204 | Alves et al. (2010)  |
| Jve135Bur | 1        | Spain    | Burgos                        | Iberia_085 | HM747204 | Alves et al. (2010)  |
| Jve136Bur | 1        | Spain    | Burgos                        | Iberia_086 | HM747201 | Alves et al. (2010)  |
| Jve138Bur | 1        | Spain    | Burgos                        | Iberia_087 | HM747204 | Alves et al. (2010)  |
| Jve13Cre  | 1        | Spain    | Ciudad Real                   | Iberia_088 | HM747211 | Alves et al. (2010)  |
| Jve140Bur | 1        | Spain    | Burgos                        | Iberia_089 | HM747204 | Alves et al. (2010)  |
| Jve141Bur | 1        | Spain    | Burgos                        | Iberia_090 | HM747201 | Alves et al. (2010)  |
| Jve143Gua | 1        | Spain    | Guadalajara                   | Iberia_091 | HM747204 | Alves et al. (2010)  |
| Jve144Gua | 1        | Spain    | Guadalajara                   | Iberia_092 | HM747204 | Alves et al. (2010)  |
| Jve145Gua | 1        | Spain    | Guadalajara                   | Iberia_093 | HM747204 | Alves et al. (2010)  |
| Jve146Gua | 1        | Spain    | Guadalajara                   | Iberia_094 | HM747204 | Alves et al. (2010)  |
| Jve147Gua | 1        | Spain    | Guadalajara                   | Iberia_095 | HM747204 | Alves et al. (2010)  |
| Jve148Alb | 1        | Spain    | Albacete                      | Iberia_096 | HM747202 | Alves et al. (2010)  |
| Jve14Cre  | 1        | Spain    | Ciudad Real                   | Iberia_097 | HM747211 | Alves et al. (2010)  |
| Jve151Alb | 1        | Spain    | Albacete                      | Iberia_098 | HM747207 | Alves et al. (2010)  |
| Jve155Alb | 1        | Spain    | Albacete                      | Iberia_099 | HM747204 | Alves et al. (2010)  |
| Jve157Alb | 1        | Spain    | Albacete                      | Iberia_100 | HM747207 | Alves et al. (2010)  |

| Specimen  | No. ind. | Country | Location    | Pop. ID    | GenBank  | Source              |
|-----------|----------|---------|-------------|------------|----------|---------------------|
| Jve159Alb | 1        | Spain   | Albacete    | Iberia_101 | HM747202 | Alves et al. (2010) |
| Jve15Cre  | 1        | Spain   | Ciudad Real | Iberia_102 | HM747211 | Alves et al. (2010) |
| Jve16Tol  | 1        | Spain   | Toledo      | Iberia_103 | HM747210 | Alves et al. (2010) |
| Jve17Tol  | 1        | Spain   | Toledo      | Iberia_104 | HM747210 | Alves et al. (2010) |
| Jve18Tol  | 1        | Spain   | Toledo      | Iberia_105 | HM747210 | Alves et al. (2010) |
| Jve19Tol  | 1        | Spain   | Toledo      | Iberia_106 | HM747210 | Alves et al. (2010) |
| Jve20Tol  | 1        | Spain   | Toledo      | Iberia_107 | HM747210 | Alves et al. (2010) |
| Jve21Tol  | 1        | Spain   | Toledo      | Iberia_108 | HM747211 | Alves et al. (2010) |
| Jve22Tol  | 1        | Spain   | Toledo      | Iberia_109 | HM747210 | Alves et al. (2010) |
| Jve23Tol  | 1        | Spain   | Toledo      | Iberia_110 | HM747211 | Alves et al. (2010) |
| Jve24Tol  | 1        | Spain   | Toledo      | Iberia_111 | HM747210 | Alves et al. (2010) |
| Jve25Tol  | 1        | Spain   | Toledo      | Iberia_112 | HM747202 | Alves et al. (2010) |
| Jve26Tol  | 1        | Spain   | Toledo      | Iberia_113 | HM747212 | Alves et al. (2010) |
| Jve34Cre  | 1        | Spain   | Ciudad Real | Iberia_114 | HM747211 | Alves et al. (2010) |
| Jve35Cre  | 1        | Spain   | Ciudad Real | Iberia_115 | HM747210 | Alves et al. (2010) |
| Jve36Cre  | 1        | Spain   | Ciudad Real | Iberia_116 | HM747210 | Alves et al. (2010) |
| Jve37Cre  | 1        | Spain   | Ciudad Real | Iberia_117 | HM747210 | Alves et al. (2010) |
| Jve38Cre  | 1        | Spain   | Ciudad Real | Iberia_118 | HM747212 | Alves et al. (2010) |
| Jve39Cre  | 1        | Spain   | Ciudad Real | Iberia_119 | HM747210 | Alves et al. (2010) |
| Jve40Cre  | 1        | Spain   | Ciudad Real | Iberia_120 | HM747212 | Alves et al. (2010) |
| Jve46Jae  | 1        | Spain   | Jaén        | Iberia_121 | HM747211 | Alves et al. (2010) |
| Jve47Jae  | 1        | Spain   | Jaén        | Iberia_122 | HM747211 | Alves et al. (2010) |
| Jve48Jae  | 1        | Spain   | Jaén        | Iberia_123 | HM747202 | Alves et al. (2010) |
| Jve49Jae  | 1        | Spain   | Jaén        | Iberia_124 | HM747215 | Alves et al. (2010) |
| Jve50Jae  | 1        | Spain   | Jaén        | Iberia_125 | HM747215 | Alves et al. (2010) |
| Jve66Jae  | 1        | Spain   | Jaén        | Iberia_126 | HM747215 | Alves et al. (2010) |
| Jve67Jae  | 1        | Spain   | Jaén        | Iberia_127 | HM747211 | Alves et al. (2010) |
| Jve68Jae  | 1        | Spain   | Jaén        | Iberia_128 | HM747211 | Alves et al. (2010) |
| Jve69Jae  | 1        | Spain   | Jaén        | Iberia_129 | HM747211 | Alves et al. (2010) |
| Jve70Jae  | 1        | Spain   | Jaén        | Iberia_130 | HM747211 | Alves et al. (2010) |
| Jve71Jae  | 1        | Spain   | Jaén        | Iberia_131 | HM747202 | Alves et al. (2010) |
| Jve72Jae  | 1        | Spain   | Jaén        | Iberia_132 | HM747202 | Alves et al. (2010) |
| Jve73Jae  | 1        | Spain   | Jaén        | Iberia_133 | HM747202 | Alves et al. (2010) |
| Jve74Jae  | 1        | Spain   | Jaén        | Iberia_134 | HM747202 | Alves et al. (2010) |
| Jve76Sev  | 1        | Spain   | Sevilla     | Iberia_135 | HM747213 | Alves et al. (2010) |
| Jve77Sev  | 1        | Spain   | Sevilla     | Iberia_136 | HM747213 | Alves et al. (2010) |
| Jve78Sev  | 1        | Spain   | Sevilla     | Iberia_137 | HM747213 | Alves et al. (2010) |
| Jve79Sev  | 1        | Spain   | Sevilla     | Iberia_138 | HM747213 | Alves et al. (2010) |
| Jve80Sev  | 1        | Spain   | Sevilla     | Iberia_139 | HM747213 | Alves et al. (2010) |
| Jve82Cre  | 1        | Spain   | Ciudad Real | Iberia_140 | HM747203 | Alves et al. (2010) |
| Jve83Cre  | 1        | Spain   | Ciudad Real | Iberia_141 | HM747203 | Alves et al. (2010) |
| Jve84Cre  | 1        | Spain   | Ciudad Real | Iberia_142 | HM747203 | Alves et al. (2010) |
| Jve85Cre  | 1        | Spain   | Ciudad Real | Iberia_143 | HM747203 | Alves et al. (2010) |
| Jve86Ast  | 1        | Spain   | Asturias    | Iberia_144 | HM747204 | Alves et al. (2010) |
| Jve87Ast  | 1        | Spain   | Asturias    | Iberia_145 | HM747204 | Alves et al. (2010) |
| Jve88Ast  | 1        | Spain   | Asturias    | Iberia_146 | HM747209 | Alves et al. (2010) |
| Jve89Ast  | 1        | Spain   | Asturias    | Iberia_147 | HM747209 | Alves et al. (2010) |
| Jve90Ast  | 1        | Spain   | Asturias    | Iberia_148 | HM747209 | Alves et al. (2010) |
| Jve91Ast  | 1        | Spain   | Asturias    | Iberia_149 | HM747206 | Alves et al. (2010) |

| Specimen   | No. ind. | Country | Location                      | Pop. ID         | GenBank  | Source              |
|------------|----------|---------|-------------------------------|-----------------|----------|---------------------|
| Jve92Ast   | 1        | Spain   | Asturias                      | Iberia_150      | HM747214 | Alves et al. (2010) |
| Jve94Ast   | 1        | Spain   | Asturias                      | Iberia_151      | HM747206 | Alves et al. (2010) |
| Jve95Ast   | 1        | Spain   | Asturias                      | Iberia_152      | HM747206 | Alves et al. (2010) |
| SWB1       | 1        | Spain   |                               | Iberia_153      | AY232868 | Alves et al. (2003) |
| SWB2       | 1        | Spain   |                               | Iberia_154      | AY232869 | Alves et al. (2003) |
| SWB3       | 1        | Spain   |                               | Iberia_155      | AY232870 | Alves et al. (2003) |
| SWB4       | 1        | Spain   |                               | Iberia_156      | AY232871 | Alves et al. (2003) |
| SWB5       | 1        | Spain   |                               | Iberia_157      | AY232872 | Alves et al. (2003) |
| SWB6       | 1        | Spain   |                               | Iberia_158      | AY232873 | Alves et al. (2003) |
| SWB7       | 1        | Spain   |                               | Iberia_159      | AY232874 | Alves et al. (2003) |
| BAS_40     | 1        | Italy   | Basilicata                    | South_Italy_001 | HM051196 | this study          |
| BAS_41     | 1        | Italy   | Basilicata                    | South_Italy_002 | HM051197 | this study          |
| BAS_42     | 1        | Italy   | Basilicata                    | South_Italy_003 | HM051198 | this study          |
| BAS_96     | 1        | Italy   | Basilicata                    | South_Italy_004 | HM051199 | this study          |
| BAS_97     | 1        | Italy   | Basilicata                    | South_Italy_005 | HM051199 | this study          |
| POLL_60    | 1        | Italy   | Pollino area                  | South_Italy_006 | KF873479 | this study          |
| POLL_61    | 1        | Italy   | Pollino area                  | South_Italy_007 | KF873479 | this study          |
| POLL_62    | 1        | Italy   | Pollino area                  | South_Italy_008 | KF873479 | this study          |
| POLL_63    | 1        | Italy   | Pollino area                  | South_Italy_009 | KF873479 | this study          |
| POLL_64    | 1        | Italy   | Pollino area                  | South_Italy_010 | KF873479 | this study          |
| PCH_56     | 1        | Italy   | Pugno Chiuso                  | South_Italy_011 | HM051201 | this study          |
| PCH_55     | 1        | Italy   | Pugno Chiuso                  | South_Italy_012 | KF873480 | this study          |
| CP_46      | 1        | Italy   | Castelporziano                | South_Italy_013 | KF873473 | this study          |
| CP_47      | 1        | Italy   | Castelporziano                | South_Italy_014 | HM051194 | this study          |
| CP_48      | 1        | Italy   | Castelporziano                | South_Italy_015 | HM051194 | this study          |
| SIC01      | 1        | Italy   | Siena province                | South_Italy_016 | HM051194 | this study          |
| CAS_GIU2   | 1        | Italy   | Caserta province              | South_Italy_017 | HM051201 | this study          |
| CAS_GIU13  | 1        | Italy   | Caserta province              | South_Italy_018 | HM051193 | this study          |
| CAS_GIU1   | 1        | Italy   | Caserta province              | South_Italy_019 | HM051193 | this study          |
| CAS_GIU17  | 1        | Italy   | Caserta province              | South_Italy_020 | HM051193 | this study          |
| CAS_GIU19  | 1        | Italy   | Caserta province              | South_Italy_021 | HM051193 | this study          |
| CAS_GIU20  | 1        | Italy   | Caserta province              | South_Italy_022 | HM051193 | this study          |
| ALB_90     | 1        | Italy   | Salerno province, Alburni     | South_Italy_023 | HM051194 | this study          |
| ALB_91     | 1        | Italy   | Salerno province, Alburni     | South_Italy_024 | HM051194 | this study          |
| ALB_92     | 1        | Italy   | Salerno province, Alburni     | South_Italy_025 | HM051195 | this study          |
| ALB_S17_10 | 1        | Italy   | Salerno province, Alburni     | South_Italy_026 | KF873478 | this study          |
| CAS_S19_02 | 1        | Italy   | Salerno province, Casalvelino | South_Italy_027 | HM051193 | this study          |
| CAS_S19_03 | 1        | Italy   | Salerno province, Casalvelino | South_Italy_028 | HM051193 | this study          |
| CAS_S19_04 | 1        | Italy   | Salerno province, Casalvelino | South_Italy_029 | HM051193 | this study          |
| CAS_S19_05 | 1        | Italy   | Salerno province, Casalvelino | South_Italy_030 | HM51200  | this study          |
| CAS_S20_01 | 1        | Italy   | Salerno province, Casalvelino | South_Italy_031 | HM51200  | this study          |
| CAS_S20_02 | 1        | Italy   | Salerno province, Casalvelino | South_Italy_032 | HM051193 | this study          |
| CAS_S20_03 | 1        | Italy   | Salerno province, Casalvelino | South_Italy_033 | HM051193 | this study          |
| CAS_S20_04 | 1        | Italy   | Salerno province, Casalvelino | South_Italy_034 | HM51200  | this study          |
| CAS_S20_05 | 1        | Italy   | Salerno province, Casalvelino | South_Italy_035 | HM51200  | this study          |
| CAS_CPL02  | 1        | Italy   | Salerno province, Casalvelino | South_Italy_036 | KF873497 | this study          |
| CAS_CPL03  | 1        | Italy   | Salerno province, Casalvelino | South_Italy_037 | KF873497 | this study          |
| CAS_CPL04  | 1        | Italy   | Salerno province, Casalvelino | South_Italy_038 | KF873497 | this study          |
| CAS_CPL05  | 1        | Italy   | Salerno province, Casalvelino | South_Italy_039 | KF873501 | this study          |

| Specimen   | No. ind. | Country | Location                              | Pop. ID         | GenBank  | Source     |
|------------|----------|---------|---------------------------------------|-----------------|----------|------------|
| CAS_CPL06  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_040 | HM51200  | this study |
| CAS_CPL16  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_041 | HM51200  | this study |
| CAS_CPL17  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_042 | HM51200  | this study |
| CAS_CPL20  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_043 | HM051193 | this study |
| CAS_CPL21  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_044 | KF873476 | this study |
| CAS_CPL22  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_045 | HM51200  | this study |
| CAS_CPL23  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_046 | HM51200  | this study |
| CAS_CPL24  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_047 | HM51200  | this study |
| CAS_CPL25  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_048 | HM51200  | this study |
| CAS_CPL26  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_049 | HM51200  | this study |
| CAS_CPL31  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_050 | HM51200  | this study |
| CAS_CPL32  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_051 | HM51200  | this study |
| CAS_CPL33  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_052 | HM51200  | this study |
| CAS_D079   | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_053 | HM51200  | this study |
| CAS_D080   | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_054 | HM51200  | this study |
| CAS_D084   | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_055 | KF873497 | this study |
| CAS_D087   | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_056 | KF873497 | this study |
| CAS_S03_11 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_057 | KF873477 | this study |
| CAS_S04_07 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_058 | HM051193 | this study |
| CAS_S05_01 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_059 | HM51200  | this study |
| CAS_S05_03 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_060 | HM51200  | this study |
| CAS_S05_07 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_061 | HM051193 | this study |
| CAS_S05_09 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_062 | HM051193 | this study |
| CAS_S05_14 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_063 | HM51200  | this study |
| CAS_S05_25 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_064 | HM51200  | this study |
| CAS_S05_27 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_065 | HM51200  | this study |
| CAS_S05_A  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_066 | HM51200  | this study |
| CAS_S05_B  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_067 | HM51200  | this study |
| CAS_S05_C  | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_068 | HM51200  | this study |
| CAS_S21_01 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_069 | HM51200  | this study |
| CAS_S21_02 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_070 | HM051193 | this study |
| CAS_S21_04 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_071 | HM051193 | this study |
| CAS_S21_05 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_072 | HM51200  | this study |
| CAS_S21_06 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_073 | HM051193 | this study |
| CAS_S03_01 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_074 | HM051193 | this study |
| CAS_S03_02 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_075 | HM051193 | this study |
| CAS_S03_07 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_076 | HM051193 | this study |
| CAS_S03_08 | 1        | Italy   | Salerno province, Casalvelino         | South_Italy_077 | HM051193 | this study |
| CNC_5d     | 1        | Italy   | Salerno province, Castelnuovo Cilento | South_Italy_078 | HM051193 | this study |
| CUC_S16_09 | 1        | Italy   | Salerno province, Cuccaro             | South_Italy_079 | HM051194 | this study |
| CUC_S10_02 | 1        | Italy   | Salerno province, Cuccaro             | South_Italy_080 | HM051193 | this study |
| CUC_S10_03 | 1        | Italy   | Salerno province, Cuccaro             | South_Italy_081 | HM051193 | this study |
| CUC_S10_04 | 1        | Italy   | Salerno province, Cuccaro             | South_Italy_082 | HM051194 | this study |
| CUC_S10_06 | 1        | Italy   | Salerno province, Cuccaro             | South_Italy_083 | HM051193 | this study |
| CUC_S10_10 | 1        | Italy   | Salerno province, Cuccaro             | South_Italy_084 | HM051193 | this study |
| CUC_S14_01 | 1        | Italy   | Salerno province, Cuccaro             | South_Italy_085 | KF873475 | this study |
| CUC_S14_02 | 1        | Italy   | Salerno province, Cuccaro             | South_Italy_086 | KF873475 | this study |
| CUC_S14_03 | 1        | Italy   | Salerno province, Cuccaro             | South_Italy_087 | HM051193 | this study |
| CUC_06     | 1        | Italy   | Salerno province, Cuccaro             | South_Italy_088 | HM051193 | this study |



| Specimen   | No. ind. | Country | Location                  | Pop. ID         | GenBank  | Source     |
|------------|----------|---------|---------------------------|-----------------|----------|------------|
| CUC_07     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_089 | HM051193 | this study |
| CUC_08     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_090 | HM051193 | this study |
| CUC_09     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_091 | KF873474 | this study |
| CUC_10     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_092 | KF873475 | this study |
| CUC_11     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_093 | HM051194 | this study |
| CUC_12     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_094 | HM051193 | this study |
| CUC_13     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_095 | HM051194 | this study |
| CUC_14     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_096 | HM051193 | this study |
| CUC_15     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_097 | HM051193 | this study |
| CUC_17     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_098 | KF873481 | this study |
| CUC_19     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_099 | KF873475 | this study |
| CUC_20     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_100 | HM051193 | this study |
| CUC_21     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_101 | HM051194 | this study |
| CUC_22     | 1        | Italy   | Salerno province, Cuccaro | South_Italy_102 | HM051194 | this study |
| LAU_S11_01 | 1        | Italy   | Salerno province, Laurino | South_Italy_103 | HM051193 | this study |
| LAU_S11_02 | 1        | Italy   | Salerno province, Laurino | South_Italy_104 | HM51199  | this study |
| LAU_S11_03 | 1        | Italy   | Salerno province, Laurino | South_Italy_105 | HM51199  | this study |
| LAU_S11_04 | 1        | Italy   | Salerno province, Laurino | South_Italy_106 | HM051193 | this study |
| LAU_S11_05 | 1        | Italy   | Salerno province, Laurino | South_Italy_107 | KF873475 | this study |
| LAU_S11_06 | 1        | Italy   | Salerno province, Laurino | South_Italy_108 | HM51199  | this study |
| LAU_S11_07 | 1        | Italy   | Salerno province, Laurino | South_Italy_109 | HM051193 | this study |
| LAU_S11_08 | 1        | Italy   | Salerno province, Laurino | South_Italy_110 | HM051193 | this study |
| LAU_S11_09 | 1        | Italy   | Salerno province, Laurino | South_Italy_111 | HM051193 | this study |
| LAU_S11_11 | 1        | Italy   | Salerno province, Laurino | South_Italy_112 | HM51199  | this study |
| LAU_Stio38 | 1        | Italy   | Salerno province, Laurino | South_Italy_113 | KF873499 | this study |
| SAC_29     | 1        | Italy   | Salerno province, Sacco   | South_Italy_114 | KF873479 | this study |
| SAC_30     | 1        | Italy   | Salerno province, Sacco   | South_Italy_115 | KF873479 | this study |
| SAC_31     | 1        | Italy   | Salerno province, Sacco   | South_Italy_116 | KF873479 | this study |
| SAC_32     | 1        | Italy   | Salerno province, Sacco   | South_Italy_117 | KF873479 | this study |
| SAC_33     | 1        | Italy   | Salerno province, Sacco   | South_Italy_118 | KF873479 | this study |
| SAC_34     | 1        | Italy   | Salerno province, Sacco   | South_Italy_119 | KF873479 | this study |
| SAC_35     | 1        | Italy   | Salerno province, Sacco   | South_Italy_120 | KF873479 | this study |
| SAN_36d    | 1        | Italy   | Salerno province, Sanza   | South_Italy_121 | KF873481 | this study |
| SAN_37     | 1        | Italy   | Salerno province, Sanza   | South_Italy_122 | KF873481 | this study |
| SAN_ROF67d | 1        | Italy   | Salerno province, Sanza   | South_Italy_123 | HM51199  | this study |
| VM_SC102   | 1        | Italy   | Sardinia - Arzachena      | South_Italy_124 | KF873484 | this study |
| VM_SC103   | 1        | Italy   | Sardinia - Arzachena      | South_Italy_125 | KF873498 | this study |
| VM_SC152   | 1        | Italy   | Sardinia - Arzachena      | South_Italy_126 | KF873482 | this study |
| VM_SC132   | 1        | Italy   | Sardinia - Arzana         | South_Italy_127 | KF873483 | this study |
| VM_SC108   | 1        | Italy   | Sardinia - Benetutti      | South_Italy_128 | KF873489 | this study |
| VM_SC113   | 1        | Italy   | Sardinia - Escalaplano    | South_Italy_129 | KF873488 | this study |
| VM_SC105   | 1        | Italy   | Sardinia - Escalaplano    | South_Italy_130 | KF873496 | this study |
| VM_SC107   | 1        | Italy   | Sardinia - Escalaplano    | South_Italy_131 | KF873482 | this study |
| VM_SC109   | 1        | Italy   | Sardinia - Escalaplano    | South_Italy_132 | KF873487 | this study |
| VM_SC110   | 1        | Italy   | Sardinia - Escalaplano    | South_Italy_133 | KF873482 | this study |
| VM_SC111   | 1        | Italy   | Sardinia - Escalaplano    | South_Italy_134 | KF873485 | this study |
| VM_SC101   | 1        | Italy   | Sardinia - Escalaplano    | South_Italy_135 | KF873483 | this study |
| VM_106     | 1        | Italy   | Sardinia - Escalaplano    | South_Italy_136 | KF873494 | this study |
| VM_SC150   | 1        | Italy   | Sardinia - Fordongianus   | South_Italy_137 | KF873500 | this study |

| Specimen | No. ind. | Country | Location                  | Pop. ID         | GenBank  | Source               |
|----------|----------|---------|---------------------------|-----------------|----------|----------------------|
| VM_SC129 | 1        | Italy   | Sardinia - Golgo          | South_Italy_138 | HM51193  | this study           |
| VM_M11   | 1        | Italy   | Sardinia - Golgo          | South_Italy_139 | KF873491 | this study           |
| VM_M14   | 1        | Italy   | Sardinia - Golgo          | South_Italy_140 | KF873492 | this study           |
| VM_131   | 1        | Italy   | Sardinia - Golgo          | South_Italy_141 | HM51193  | this study           |
| VM_SC114 | 1        | Italy   | Sardinia - Jerzu          | South_Italy_142 | KF873482 | this study           |
| VM_SC051 | 1        | Italy   | Sardinia - Lanusei        | South_Italy_143 | KF873490 | this study           |
| VM_SC054 | 1        | Italy   | Sardinia - Lanusei        | South_Italy_144 | KF873484 | this study           |
| VM_SC057 | 1        | Italy   | Sardinia - Lanusei        | South_Italy_145 | KF873486 | this study           |
| VM_SC060 | 1        | Italy   | Sardinia - Lanusei        | South_Italy_146 | HM51199  | this study           |
| VM_SC069 | 1        | Italy   | Sardinia - Lanusei        | South_Italy_147 | KF873495 | this study           |
| VM_M10   | 1        | Italy   | Sardinia - Lanusei        | South_Italy_148 | KF873493 | this study           |
| VM_M13   | 1        | Italy   | Sardinia - Lanusei        | South_Italy_149 | KF873493 | this study           |
| VM_SC121 | 1        | Italy   | Sardinia - Motoline       | South_Italy_150 | HM51199  | this study           |
| VM_SC136 | 1        | Italy   | Sardinia - Ogliastra      | South_Italy_151 | KF873483 | this study           |
| VM_SC123 | 1        | Italy   | Sardinia - Ogliastra      | South_Italy_152 | HM51193  | this study           |
| VM_SC133 | 1        | Italy   | Sardinia - Ogliastra      | South_Italy_153 | KF873483 | this study           |
| VM_SC148 | 1        | Italy   | Sardinia - Ogliastra      | South_Italy_154 | KF873491 | this study           |
| VM_SC145 | 1        | Italy   | Sardinia - Oliena         | South_Italy_155 | KF873483 | this study           |
| VM_M12   | 1        | Italy   | Sardinia - Seui           | South_Italy_156 | HM51199  | this study           |
| VM_SC112 | 1        | Italy   | Sardinia - Seui           | South_Italy_157 | HM51193  | this study           |
| SS168    | 1        | Italy   | Sardinia                  | South_Italy_158 | AY884698 | Vilaça et al. (2014) |
| SS79     | 1        | Italy   | Sardinia                  | South_Italy_159 | AY884699 | Vilaça et al. (2014) |
| GL111    | 1        | Italy   | Sardinia                  | South_Italy_160 | AY884668 | Larson et al. (2005) |
| GL144    | 1        | Italy   | Sardinia, Tempio Pausania | South_Italy_161 | AY884682 | Larson et al. (2005) |
| GL190    | 1        | Italy   | Sardinia                  | South_Italy_162 | AY884690 | Larson et al. (2005) |
| GL65     | 1        | Italy   | Sardinia, Sinnai          | South_Italy_163 | AY884628 | Larson et al. (2005) |
| GL288    | 1        | Italy   | Sardinia                  | South_Italy_164 | AY884732 | Larson et al. (2005) |
| GL289    | 1        | Italy   | Sardinia, Urzulei         | South_Italy_165 | AY884733 | Larson et al. (2005) |
| LNSar88  | 1        | Italy   | Sardinia, Limbara         | South_Italy_166 | AY884795 | Larson et al. (2005) |