

Table 1. Characteristics of 26 cpSSR loci for PCR amplification in ancient *P. orientalis*.

| ID | Primer sequence (5'–3') | Repeat motif | Expected PCR product size (bp) | Location | Tm (°C) | Species | Amplification | Polymorphism |
|-----|--|--------------|-----------------------------------|----------------------|---------|-------------------------------|---------------|--------------|
| N1 | TTCTAGCTCGCACCCAACT TTGTTTCGCCGATATGTCA | (AC)6 | 209 | rbcl/accD IR | 56 | <i>Cupressus gigantea</i> | + | Yes |
| N2 | TGGTCATACCAATTGCTGTCA TGGGCTACTCTACGTGCTTT | (AT)5 | 388 | rps19/rp122 IR | 56 | <i>Cupressus gigantea</i> | + | Yes |
| N4 | TCGGAAGAAGAAGATGATATGTAG C CCCCAGATATGGAACCTTTTGG | (AAGGACAAA)5 | 138 | rps12 Exon1/clpP IR | 56 | <i>Cupressus gigantea</i> | + | No |
| N6 | GGGAACAACCAGAATTGGAA GCCACTTTTATGGCAGCACT | (TA)5 | 365 | ycf1 | 56 | <i>Cupressus gigantea</i> | + | Yes |
| N8 | GGGAAGCGAAAGCTATTTT GGTAATCCACAGCAGCCAAT | (AT)6 | 265 | rpoB | 56 | <i>Cupressus gigantea</i> | + | No |
| N9 | CAAATTTCTCGCCAAGCTGT TGATTTCATCGGGTCGAATA | (TA)12 | 210 | atpF Exon2/ atpA IR | 56 | <i>Cupressus gigantea</i> | + | No |
| N10 | TCGGGAACGAAAGAGAAAGA ACATAGATGTTATGGAGCAGAGC | (CA)5 | 290 | trnG-UCC intron | 56 | <i>Cupressus gigantea</i> | + | No |
| N11 | TCCAATCTAGAACATCTCATCCAG CAGTGCTCTACCTAATCTGAAAGC | (AT)6 | 226 | trnG-UCC/psaM IR | 56 | <i>Cupressus gigantea</i> | - | No |
| N13 | TCGCCGAATACTCCTAATC ATTCCGAAAAGATGGCTTCA | (AT)5 | 277 | rpl33/rps18 IR | 56 | <i>Cupressus sempervirens</i> | + | No |
| N14 | TCCATATCTGGTGGACAGGA GGGTTTIGGTCTTCTTCTCG | (AT)6 | 141 | rps12 Exon1/clpP IR | 56 | <i>Cupressus sempervirens</i> | + | No |
| N15 | CCAGGTCGAGACAAGTGGAT GAAACCAATGCCCTAAGCAA | (AT)6 | 350 | rrn16/trnI-GAU IR | 56 | <i>Cupressus sempervirens</i> | + | No |
| N16 | ATTCGATCCCTATCCGGTCT ACCAGAGCCATCAACCACTC | (AT)5 | 253 | psbZ/trnS-UGA IR | 56 | <i>Cupressus sempervirens</i> | - | No |
| N18 | AAAATCGCCGCAATACTCCT ATTCCGAAAAGATGGCTTCA | (AC)6 | 276 | rpl33/rps18 IR | 56 | <i>Juniperus bermudiana</i> | + | No |
| N19 | CGGACCTACCGACAGAAGCTC CCGAAGAAATAAGAAGCTGTATAGG | (AGA)6 | 369 | rps12 Exon1/ clpP IR | 56 | <i>Juniperus monosperma</i> | + | No |
| N20 | CTTGCTCCTAGCCATGAAAA TGATTTCATCGGGTCGAATAG | (AT)5 | 277 | atpF/atpA IR | 56 | <i>Juniperus monosperma</i> | + | No |
| N22 | CTGTGATGCCGTTGATATTGA TGCCCATTATCCCTCTGTTC | (CA)5 | 334 | psbI/psbK IR | 56 | <i>Juniperus monosperma</i> | + | No |
| N23 | TCCTCTGCGATCTTTATAGGG GGGAAGGATTGTTGGATTGA | (AT)6 | 270 | chlB/trnK-UUU IR | 56 | <i>Juniperus monosperma</i> | + | No |
| N25 | CCTCATACGGCTTCTCGTTC AAAATGAACCCGAAGGATT | (TA)5 | 271 | rps12/trnV-GAC IR | 56 | <i>Juniperus bermudiana</i> | + | No |
| N27 | TGATTTCATCGGGTCGAATA CAAATTTCTCGCCAAGCTGT | (AT)7 | 314 | aptA/aptF IR | 56 | <i>Juniperus bermudiana</i> | + | No |
| N28 | GAGATGAACGCAGAGCGTAA TGTTTGAGCGATTCTACCC | (AT)7 | 203 | psbM/trnD-GUC IR | 56 | <i>Juniperus bermudiana</i> | + | No |
| N29 | GCCATGGTAAGGCGTAAGTC TCAGTCAATGGGTTAGGTTCA | (TA)5 | 365 | trnT-GGU/ psbD IR | 56 | <i>Juniperus bermudiana</i> | - | No |
| N31 | GTAGCCAAGTGGTTCCAAGG CAATCTTACCGTCGATTACAGC | (AT)5 | 254 | trnH-GUG/chlL IR | 56 | <i>Juniperus bermudiana</i> | + | No |
| N32 | GGACGGGAAAGGAAAAGAA TGGTATTCTTCTGGGTTTGG | (AT)5 | 219 | rps12 Exon1/ clpP IR | 56 | <i>Juniperus scopulorum</i> | + | No |
| N33 | CTGTTCCCCTGTGCATCATA AGGAGGAAAATCCGTTGGTT | (TCT)5 | 400 | trnF-GAA/trnL-UAA IR | 56 | <i>Juniperus scopulorum</i> | + | Yes |

| | | | | | | | | |
|-----|---|--------|-----|------------------|----|-----------------------------|---|----|
| N34 | TCAGTCAATGGGTTAGGTICA GCCATGGTAAGGCGTAAGTC | (TCT)5 | 365 | PsbD/trnT-GGU IR | 56 | <i>Juniperus virginiana</i> | - | No |
| N35 | TGTTTGAGCGATTCTACCC GAGATGAACGCAGAGCGTAA | (AT)6 | 203 | tmD-GUC/ psbM IR | 56 | <i>Juniperus virginiana</i> | + | No |

Note: Successful amplification (+); Unsuccessful amplification (-); Presence polymorphism (Yes); Absence polymorphism (No)