

1 **Supplementary Table 1.** Primer sequences and characteristics for cpDNA microsatellite loci isolated from *V. gigantea* (Vg) including
 2 locus name, location in the genome, primer sequences, repeat type, allele range, and no. of alleles.

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| Locus | Location | Primers (5'-3') | Repeat | Size (bp) | N° of alleles |
|-------|--------------------------------|---|----------|-----------|---------------|
| VgCP1 | ¹ psbA-trnH | TCTTCCTTTGTTTGATTCACATC GAATTCGCGCCTACTCTGAC | (T)10 | 137 | 3 |
| VgCP2 | ² trnD - trnT | TGCATAGGAGTTCATTCAGGA CCACTAGACGATAGGGGCATA | (T)11 | 230 | 2 |
| VgCP3 | ² trnL - trnF (e-f) | ACAAACGGATCCGAACAGAA TGAGCTATCCCGACCATTTT | (T)10 | 209 | 2 |
| VgCP4 | ³ pet G | ACCTACGACATCGGGTTTTG TTCTCCTATGGGCAGTAACGA | (A)5(T)9 | 185 | 5 |

4 ¹ Universal primers for DNA sequencing designed by Sang *et al* (1997); ² Universal primers designed by Taberlet *et al* (1991); ³ Universal primers designed by
 5 Hwang *et al* (2000).

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1 **Supplementary Table 2.** Multilocus estimates of F_{ST} (Below diagonal) between the sampled populations, using 10 nuclear microsatellite
 2 loci; *** p-values significantly greater than zero after Bonferroni adjustments, n.s. = p-values not significant (above diagonal).

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| F_{ST} -values/p-values | TMRS | ITRS | MARS | GASC | FLSC | VGSC | MBSC | PAPR | JASP | BESP | PTRJ | RIRJ | SLES |
|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
| TMRS | - | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| ITRS | 0.445550 | - | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| MARS | 0.357432 | 0.087436 | - | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| GASC | 0.582625 | 0.189081 | 0.141229 | - | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| FLSC | 0.569655 | 0.215920 | 0.141625 | 0.071460 | - | *** | *** | *** | *** | *** | *** | *** | *** |
| VGSC | 0.572400 | 0.143487 | 0.094497 | 0.031248 | 0.060979 | - | n.s. | n.s. | *** | *** | *** | *** | *** |
| MBSC | 0.439580 | 0.118686 | 0.062061 | 0.042006 | 0.052678 | 0.010966 | - | n.s. | *** | *** | *** | *** | *** |
| PAPR | 0.525734 | 0.176239 | 0.106035 | 0.046916 | 0.071795 | 0.022150 | 0.010678 | - | n.s. | *** | *** | *** | *** |
| JASP | 0.560763 | 0.200462 | 0.144268 | 0.055057 | 0.083948 | 0.038047 | 0.031550 | 0.025096 | - | n.s. | *** | *** | *** |
| BESP | 0.504622 | 0.181980 | 0.129229 | 0.048787 | 0.078302 | 0.035029 | 0.035100 | 0.035583 | 0.017780 | - | *** | *** | *** |
| PTRJ | 0.488399 | 0.207501 | 0.166533 | 0.138564 | 0.145245 | 0.119911 | 0.113542 | 0.125806 | 0.091959 | 0.088934 | - | *** | *** |
| RIRJ | 0.760746 | 0.282386 | 0.260714 | 0.199346 | 0.229672 | 0.140842 | 0.161451 | 0.178692 | 0.129409 | 0.144201 | 0.119354 | - | *** |
| SLES | 0.851334 | 0.488002 | 0.456751 | 0.449023 | 0.464177 | 0.438713 | 0.388472 | 0.420286 | 0.385971 | 0.363329 | 0.361559 | 0.505195 | - |

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Supplementary Figure 1.

