

Supplementary Table 2. *P*-values of t-test compared the mean values of the number of synonymous SNVs at non-duplicated transcripts with heterozygous loci (the counts per kb), the proportion of non-synonymous SNVs to total SNVs on non-duplicated transcripts with heterozygous loci, the proportion of nonsense SNVs to total non-synonymous SNVs on non-duplicated transcripts with heterozygous loci, and the proportion of deleterious variations in non-synonymous SNVs on non-duplicated transcripts with heterozygous loci estimated by PROVEAN and SIFT between endangered island endemic [EIE] and non-endangered [NE] species.

<i>A. boninsimae</i> [EIE]		
<i>A. pygmaea</i> [NE]		
Synonymous SNV	0.511	
Nonsyn/Syn SNV	0.396	
Loss of function	0.315	
PROVEAN	<b>0.018</b>	
SIFT	0.447	
<i>A. shikotanensis</i> [NE]		
Synonymous SNV	< <b>0.001</b>	
Nonsyn/Syn SNV	< <b>0.001</b>	
Loss of function	<b>0.002</b>	
PROVEAN	< <b>0.001</b>	
SIFT	<b>0.005</b>	
<i>C. grandicollum</i> [EIE] <i>C. linguifolium</i> [EIE]		
<i>C. lanceolatum</i> [NE]		
Synonymous SNV	0.580	0.261
Nonsyn/Syn SNV	<b>0.003</b>	0.054
Loss of function	0.064	0.092
PROVEAN	<b>0.003</b>	<b>0.008</b>
SIFT	0.065	0.051
<i>C. hoshii</i> [EIE]		
<i>C. triplicata</i> [NE]		
Synonymous SNV	<b>0.010</b>	
Nonsyn/Syn SNV	<b>0.006</b>	
Loss of function	0.431	
PROVEAN	< <b>0.001</b>	
SIFT	<b>0.010</b>	
<i>M. tetramerum</i> [EIE]		
<i>M. candidum</i> [NE]		
Synonymous SNV	<b>0.005</b>	
Nonsyn/Syn SNV	<b>0.015</b>	
Loss of function	<b>0.030</b>	
PROVEAN	< <b>0.001</b>	
SIFT	<b>0.003</b>	