

### S3. Alignment of 10 full-length sequences of *PHYE*.

	10	20	30	40	50
<i>P.eburnea</i>	A T G G A G T T A G	A A A C C G A A T A	T G G T A A A A A C	T C G A C A G C C A	C A A A T C G A A A
<i>P.fimbrisejala</i>	A T G G A G T T A G	A A A C C G A A T A	T G G T A A A A A C	T C G A C A G C C A	C A A A T C G A A A
<i>P.heterotricha</i>	A T G G A A T T A G	A A A C C G A A A A	T G G T A A A A A C	C C G A C A G C C A	C A A A T C G A A A
<i>P.huaijiensis</i>	A T G G A G T T A G	A A A C C G A A T A	T G G T A A A A A C	T C G A C A G C C A	C A A A T C G A A A
<i>P.lutea</i>	A T G G A G T T A G	A A A C C G A A T A	T G G T A A A A A C	T C G A C A G C C A	C A A A T C G A A A
<i>P.pteropoda</i>	A T G G A G T T A G	A A A C C G A A A A	T G G T A A A A A C	C C G A C A G C C A	C A A A T C G A A A
<i>P.sinensis</i>	A T G G A G C T A G	A A A C C G A A T A	T G G T C A G A A C	T C G A C A G C C A	C A A A T C G A A A
<i>P.swinglei</i>	A T G G A G T T A G	A A A C C G A A A A	T G G T A A A A A C	C C G A C A G C C A	C A A A T C G A A A
<i>P.tabacum</i>	A T G G A G T T A G	A A A C C G A A T A	T G G T A A A A A C	T C G A C A G C C A	C A A A T C G A A A
<i>P.villosissima</i>	A T G G A G T T A G	A A A C C G A A T A	T G G T A A A A A C	T C G A C A G C C A	C A A A T C G A A A

  

	60	70	80	90	100
<i>P.eburnea</i>	A T T G G A C G A A	A G C A A G G G A A	A A A A T A A C G C	C G C C A A C A C T	G T T T T G T C A T
<i>P.fimbrisejala</i>	A T T G G A C G A A	A G C A C G G G A A	A A A A T A A C G C	C T C C A A C A C T	G T T T T G T C A T
<i>P.heterotricha</i>	A T T C G A C G A A	A G C A A G G G A A	A A A A T A A C G A	C G C C A A C A C T	G T T T T G T C A T
<i>P.huaijiensis</i>	A T T G G A C G A A	A G C A A G G G A A	A A A A T A A C G C	C G C C A A C A C T	G T T T T G T C A T
<i>P.lutea</i>	A T T G G A C G A A	A G C A A G G G A A	A A A A T A A C G C	C G C C A A C A C T	G T T T T G T C A T
<i>P.pteropoda</i>	A T T C G A C G A A	A G C A A G G G A A	A A A A T A A C G T	C G C C A A C A C T	G T T T T G T C A T
<i>P.sinensis</i>	A T T G C A C G A A	A G C A A G G G A A	A A A A T A A C G C	C A C C A A C A C T	G T T T T G T C A T
<i>P.swinglei</i>	A T T G G A C G A A	A G C A A G G G A A	A A A A T A G C G T	C G C C A A C A C T	G T T T T G T C A T
<i>P.tabacum</i>	A T T G G A C G A A	A G C A A G G G A A	A A A A T A A C G C	T A C C A A C G T	G T T T T G T C A T
<i>P.villosissima</i>	A T T A G A C G A A	A G C A A G G G A A	A A A A T A A C G C	C T C C A A C A C T	G T T T T G T C A T

  

	110	120	130	140	150
<i>P.eburnea</i>	C C T C T G C T G C	T A G C A A C A T G	A A C A A C A A C A	G A G C T A T G G C	T C A G T A C A A T
<i>P.fimbrisejala</i>	C C T C T G C T G C	T A G C A A C A T G	A A C A C C A A C A	G A G C T A T G G C	T C A A T A C A A T
<i>P.heterotricha</i>	C C T C T G C T G C	T A G C A A C A T G	A A C A C C A A C A	G A G C A T G G T	T C A G T A C A A T
<i>P.huaijiensis</i>	C C T C T G C T G C	T A G C A A C A T G	A A C A C C A A C A	G A G C T A T G G C	T C A G T A C A A T
<i>P.lutea</i>	T C T C T G C T G C	T A G C A A C A T G	A A C A C C A A C A	G A G C T A T G G C	T C A G T A C A A T
<i>P.pteropoda</i>	C C T C T G C T G C	T A G C A A C A T G	A A C A C C A A C A	G A A C C A T G G T	T C A G T A C A A T
<i>P.sinensis</i>	C C T C T G C T G C	T A G C A A C A T G	A A C A C C A A C A	G A G C T A T G G C	T C A G T A C A A T
<i>P.swinglei</i>	C C T C T G C T G C	A A G C A A C A T G	A A C A C C A A C A	G A G C T A T G G C	T C A G T A C A A T
<i>P.tabacum</i>	C C T C T G C T G C	T A G C A A C A T G	A A C A C C A A C A	G A G C T A T G G C	T C A G T A C A A T
<i>P.villosissima</i>	C C T C T G C T G C	T A G C A A C A T G	A A C A C C A A C A	G A G C T A T G G C	T C A G T A C A A T

  

	160	170	180	190	200
<i>P.eburnea</i>	G C C G A T G C G A	G G C T G A T G G C	T G A A T T T G A G	C A G T C C G G T A	A G T C T G G T A A
<i>P.fimbrisejala</i>	G C C G A T G C G A	G G C T G A T G G C	T G A A T T T G A G	C A G T C C G G T A	A G T C T G G T A A
<i>P.heterotricha</i>	G C C G A T G C G A	G G C T G A T G G C	T G A A T T T G A G	C A G T C C G G T A	A G T C G G T A A
<i>P.huaijiensis</i>	G C C G A T G C G A	G G C T G A T G G C	T G A A T T T G A G	C A G T C C G G T A	A G T C T G G T A A
<i>P.lutea</i>	G C C G A T G C G A	G G C T G A T G G C	T G A A T T T G A G	C A G T C T G G T A	A G T C T G G T A A
<i>P.pteropoda</i>	G C C G A T G C G A	G G C T G A T G G C	T G A A T T T G A G	C A G T C C G G T A	A G T C G G G T A A
<i>P.sinensis</i>	G C C G A T G C G A	G G C T G A T G G C	T G A A T T T G A G	C A G T C C G G T A	A G T C T G G T A A
<i>P.swinglei</i>	G C C G A T G C G A	G G C T G A T G G C	T G A A T T T G A G	C A G T C C G G T A	A G T C A G G T A A
<i>P.tabacum</i>	G C C G A T G C G A	G G C T G A T G G C	T G A A T T T G A G	C A G T C T G G T A	A G T C T G G T A A
<i>P.villosissima</i>	G C C G A T G C G A	G G C T G A T G G C	T G A A T T T G A G	C A G T C C G G T A	A G T C T G G T A A

  

	210	220	230	240	250
<i>P.eburnea</i>	G T T C T T T A A C	T A C T C A A A G T	C A G T T T C T C A	T G C T C C G A A T	A C T T T G A G C A
<i>P.fimbrisejala</i>	G T T C T T T A A C	T A C T C A A A G T	C A G T T T C T C A	T G C T C C G A A T	A C T T T G A G C A
<i>P.heterotricha</i>	G T T C T T T A A C	T A C T C G A A G T	C A G T T T C T C A	T G C T C C G A A T	A C T T T G A G C A
<i>P.huaijiensis</i>	G T T C T T T A A C	T A C T C A A A G T	C A G T T T C T C A	T G C T C C G A A T	A C T T T G A G C A
<i>P.lutea</i>	G T T C T T T A A C	T A C T C A A A G T	C A G T T T C T C A	T G C T C C G A A T	A C T T T G A G C A
<i>P.pteropoda</i>	G T T C T T T A A C	T A C T C A A A G T	C A G T T T C T C A	T G C T C C G A A T	A C T T T G A G C A
<i>P.sinensis</i>	G T T C T T T A A C	T A C T C T A A G T	C A G T T T C T C A	T G C T C C G A A T	A C T T T G A G C A
<i>P.swinglei</i>	G T T C T T T A A C	T A C T C G A A G T	C A G T T T C T C A	T G C T C C C A A T	A C T T T G A G C A
<i>P.tabacum</i>	G T T C T T T A A C	T A C T C A A A G T	C A G T T T C T C A	T G C T C C G A A T	A C T T T G A G C A
<i>P.villosissima</i>	G T T C T T T A A C	T A C T C A A A G T	C A G T T T C T C A	T G C T C C G A A T	A C T T T G A G C A

  

	260	270	280	290	300
<i>P.eburnea</i>	C T G A G G A G G A	G A T G A C T G C T	T A T T T G T C G A	A A A T C C A G A G	G G G G A G T C T T
<i>P.fimbrisejala</i>	C T G A G G A G G A	G A T G A T T G C T	T A T T T G T C G A	A A A T C C A G A G	G G G G A G T C T T
<i>P.heterotricha</i>	C T G A G G A G G A	G A T G A C T G C T	T A T T T G T C G A	A A A T C C A G A G	G G G G A G T C T T
<i>P.huaijiensis</i>	C T G A G G A G G A	G A T G A C T G C T	T A T T T G T C G A	A A A T C C A G A G	G G G G A G T C T T
<i>P.lutea</i>	C T G A G G A G G A	G A T G A C T G C T	T A T T T G T C G A	A A A T C C A G A G	G G G G A G T C T T
<i>P.pteropoda</i>	C T G A G G A G G A	G A T G A C T G C T	T A T T T G T C G A	A A A T C C A G A G	G G G G A G T C T T
<i>P.sinensis</i>	C T G A G G A G G A	G A T G A C T G C T	T A T T T G T C G A	A A A T C C A G A G	G G G G A G T C T T
<i>P.swinglei</i>	C T G A G G A G G A	G A T G A C T G C T	T A T T T G T C G A	A A A T C C A G A G	G G G A A G T C T T
<i>P.tabacum</i>	C T G A G G A G G A	G A T G A C T G C T	T A T T T G T C G A	A A A T C C A G A G	G G G G A G T C T T
<i>P.villosissima</i>	C T G A G G A G G A	G A T G A T T G C T	T A T T T G T C G A	A A A T C C A G A G	G G G G A G T C T T



	610	620	630	640	650
<i>P.eburnea</i>	GAGCCAGCTC	GTGCTTGTGA	TCCTGCTATG	TTGCATGCTA	GTGCTGTGCA
<i>P.fimbrisejala</i>	GAGCCAGCTC	GTGCTTGTGA	TCCTGCTATG	TTGCATGCTA	GTGCTGTGCA
<i>P.heterotricha</i>	GAGCCAGCTC	GTGCTTGTGA	TCCTGCTATG	TTGCATGCTA	GTGCTGTGCA
<i>P.huaijiensis</i>	GAGCCAGCTC	GTGCTTGTGA	TCCTGCTATG	TTGCATGCTA	GTGCTGTGCA
<i>P.lutea</i>	GAGCCAGCTC	GTGCTTGTGA	TCCTGCTATG	TTGCATGCTA	GTGCTGTGCA
<i>P.pteropoda</i>	GAGCCAGCTC	GTGCTTGTGA	TCCTGCTATG	TTGCATGCTA	GTGCTGTGCA
<i>P.sinensis</i>	GAGCCAGCTC	GTGCTTGTGA	TCCTGCTATG	TTGCATGCTA	GTGCTGTACA
<i>P.swinglei</i>	GAGCCAGCTC	GTGCTTGTGA	TCCTTCTATG	TTGCATGCTA	GTGCTGTGCA
<i>P.tabacum</i>	GAGCCAGCTC	GTGCTTGTGA	TCCTGCTATG	TTGCATGCTA	GTGCTGTGCA
<i>P.villosissima</i>	GAGCCAGCTC	GTGCTTGTGA	TCCTGCTATG	TTGCATGCTA	GTGCTGTGCA

	660	670	680	690	700
<i>P.eburnea</i>	ATCGCAGAAA	CTAGCTGTGA	GAGCCATATC	TAGGCTGCAG	TCTCTTCCCTG
<i>P.fimbrisejala</i>	ATCGCAGAAA	CTAGCTGTGA	GAGCCATATC	TAGGCTGCAG	TCTCTTCCCTG
<i>P.heterotricha</i>	ATCGCAGAAA	CTAGCCGTGA	GAGCCATATC	TAGGCTGCAG	TCTCTTCCCTG
<i>P.huaijiensis</i>	ATCGCAGAAA	CTAGCTGTGA	GAGCCATATC	TAGGCTGCAG	GCTCTTCCCTG
<i>P.lutea</i>	ATCGCAGAAA	CTAGCTGTGA	GAGCCATATC	TAGGCTGCAG	TCTCTTCCCTG
<i>P.pteropoda</i>	ATCGCAGAAA	CTAGCCGTGA	GAGCCATATC	TAGGCTGCAG	TCTCTTCCCTG
<i>P.sinensis</i>	ATCGCAGAAA	CTAGCTGTGA	GAGCCATATC	TAGGCTGCAG	TCTCTTCCCTG
<i>P.swinglei</i>	ATCGCAGAAA	CTAGCTGTGA	GAGCCATATC	TAGGCTGCAG	TCTCTTCCCTG
<i>P.tabacum</i>	ATCGCAGAAA	CTAGCTGTGA	GAGCCATATC	TAGGCTGCAG	TCTCTTCCCTG
<i>P.villosissima</i>	ATCGCAGAAA	CTAGCTGTGA	GAGCCATATC	TAGGCTGCAG	TCTCTTCCCTG

	710	720	730	740	750
<i>P.eburnea</i>	GGGGCGATGT	AGGAGTTTTG	TGTGATACAG	TCGTAGAAGA	TGTCCAAAAA
<i>P.fimbrisejala</i>	GGGGCGATGT	TGGAGTTTTG	TGTGATACAG	TCGTAGAAGA	TGTCCAAAAA
<i>P.heterotricha</i>	GGGGCGATGT	AGGAGTTTTG	TGTGATACAG	TCGTAGAAGA	TATCCAAAAA
<i>P.huaijiensis</i>	GGGGCGATGT	AGGAGTTTTG	TGTGATACAG	TCGTAGAAGA	TGTCCAAAAA
<i>P.lutea</i>	GGGGCGATGT	AGGAGTTTTG	TGTGATACAG	TCGTAGAAGA	TGTCCAAAAA
<i>P.pteropoda</i>	GGGGCGATGT	AGGAGTTTTG	TGTGATACAG	TCGTAGAAGA	TATCCAAAAA
<i>P.sinensis</i>	GGGGCGATGT	AGGAGTTTTG	TGTGATACAG	TCGTAGAAGA	TGTCCAAAAA
<i>P.swinglei</i>	GGGGCGATGT	AGGAGTTTTG	TGTGATACAG	TCGTAGAAGA	TGTCCAAAAA
<i>P.tabacum</i>	GGGGCGATGT	AGGAGTTTTG	TGTGATACAG	TCGTAGAAGA	TGTCCAAAAA
<i>P.villosissima</i>	GGGGCGATGT	AGGAGTTTTG	TGTGATACAG	TCGTAGAAGA	TGTCCAAAAA

	760	770	780	790	800
<i>P.eburnea</i>	CTTACTGGTT	ATGATAGGGT	TATGGTGTAT	AAGTTCCATG	AAGATAATCA
<i>P.fimbrisejala</i>	CTTACTGGTT	ATGATAGGGT	TATGGTGTAT	AAGTTCCATG	AAGATAATCA
<i>P.heterotricha</i>	CTTACTGGTT	ATGATAGGGT	TATGGTGTAT	AAGTTCCATG	AAGATAATCA
<i>P.huaijiensis</i>	CTTACTGGTT	ATGATAGGGT	TATGGTGTAT	AAGTTCCATG	AAGATAATCA
<i>P.lutea</i>	CTTACTGGTT	ATGATAGGGT	TATGGTGTAT	AAGTTCCATG	AAGATAATCA
<i>P.pteropoda</i>	CTTACTGGTT	ATGATAGGGT	TATGGTGTAT	AAGTTCCATG	AAGATAATCA
<i>P.sinensis</i>	CTTACTGGTT	ATGATAGGGT	TATGGTGTAT	AAGTTCCATG	AAGATAATCA
<i>P.swinglei</i>	CTTACTGGTT	ATGACAGGGT	TATGGTGTAT	AAGTTCCATG	AAGATAATCA
<i>P.tabacum</i>	CTTACTGGTT	ATGATAGGGT	TATGGTGTAT	AAGTTCCATG	AAGATAATCA
<i>P.villosissima</i>	CTTACTGGTT	ATGATAGGGT	TATGGTGTAT	AAGTTCCATG	AAGATAATCA

	810	820	830	840	850
<i>P.eburnea</i>	TGGAGAGGTA	GTGTCAGAAA	TTAGAAGGTC	CGACTTAGAA	CCTTATTTGG
<i>P.fimbrisejala</i>	TGGAGAGGTA	GTGTCAGAAA	TTAGAAGGTC	CGACTTAGAG	CCTTATTTGG
<i>P.heterotricha</i>	TGGAGAGGTA	GTGTCAGAAA	TTAGAAGGTC	CGACTTAGAA	CCTTATTTGG
<i>P.huaijiensis</i>	TGGAGAGGTA	GTGTCAGAAA	TTAGAAGGTC	CGACTTAGAA	CCTTATTTGG
<i>P.lutea</i>	TGGAGAGGTA	GTGTCAGAAA	TTAGAAGGTC	CGACTTAGAA	CCTTATTTGG
<i>P.pteropoda</i>	TGGAGAGGTA	GTGTCAGAAA	TTAGAAGGTC	CGACTTAGAA	CCTTATTTGG
<i>P.sinensis</i>	TGGAGAGGTA	GTGTCAGAAA	TTAGAAGGTC	CGACTTAGAA	CCTTATTTGG
<i>P.swinglei</i>	TGGAGAGGTA	GTGTCAGAGA	TTAGAAGGTC	CGACTTAGAA	CCTTATTTGG
<i>P.tabacum</i>	TGGAGAGGTA	GTGTCAGAAA	TTAGAAGGTC	CGACTTAGAA	CCTTATTTGG
<i>P.villosissima</i>	TGGAGAGGTA	GTGTCAGAAA	TTAGAAGGTC	CGACTTAGAA	CCTTATTTGG

	860	870	880	890	900
<i>P.eburnea</i>	GGCTGCACTA	TCCATCTACT	GATATCCCTC	AAGCAGCCCG	TTTCTTGTTC
<i>P.fimbrisejala</i>	GGCTGCACTA	TCCATCTACT	GATATCCCTC	AAGCAGCCCG	TTTCTTGTTC
<i>P.heterotricha</i>	GACTGCACTA	TCCATCTACT	GATATCCCTC	AAACAGCCCG	TTTCTTGTTC
<i>P.huaijiensis</i>	GGCTGCACTA	TCCATCTACT	GATATCCCTC	AAGCAGCCCG	TTTCTTGTTC
<i>P.lutea</i>	GGCTGCACTA	TCCATCTACT	GATATCCCTC	AAGCAGCCCG	TTTCTTGTTC
<i>P.pteropoda</i>	GACTGCACTA	TCCATCTACT	GATATCCCTC	AAACAGCCCG	TTTCTTGTTC
<i>P.sinensis</i>	GGCTGCACTA	TCCATCTACT	GATATCCCTC	AAGCAGCCCG	TTTCTTGTTC
<i>P.swinglei</i>	GGCTGCACTA	TCCATCTACT	GATATCCCTC	AAGCAGCCCG	TTTCTTGTTC
<i>P.tabacum</i>	GGCTGCACTA	TCCATCTACT	GATATCCCTC	AAGCAGCCCG	TTTCTTGTTC
<i>P.villosissima</i>	GGCTGCACTA	TCCATCTACT	GATATCCCTC	AAGCAGCCCG	TTTCTTGTTC



	1210	1220	1230	1240	1250
<i>P.eburnea</i>	CAGCTTAATA	TGGAGCTTCA	ATTAGCATCA	CAGTTGGTGG	AAAAGAAAAAC
<i>P.fimbrisejala</i>	CAGCTTAATA	TGGAGCTTCA	ATTAGCATCA	CAGTTGGTGG	AAAAGAAAAAC
<i>P.heterotricha</i>	CAGCTTAATA	TGGAGCTTCA	ATTAGCATCA	CAGTTGGTGG	AAAAGAAAAAC
<i>P.huaijiensis</i>	CAGCTTAATA	TGGAGCTTCA	ATTAGCATCA	CAGTTGGTGG	AAAAGAAAAAC
<i>P.lutea</i>	CAGCTTAATA	TGGAGCTTCA	ATTAGCATCA	CAGTTGGTGG	AAAAGAAAAAC
<i>P.pteropoda</i>	CAGCTTAATA	TGGAGCTTCA	ATTAGCATCA	CAGTTGGTGG	AAAAGAAAAAC
<i>P.sinensis</i>	CAGCTTAACA	TGGAGCTTCA	ATTAGCATCA	CAGTTGGTGG	AAAAGAAAAAC
<i>P.swinglei</i>	CAGCTTAATA	TGGAGCTTCA	ATTAGCATCA	CAGTTGGTGG	AAAAGAAAAAC
<i>P.tabacum</i>	CAGCTTAATA	TGGAGCTTCA	ATTAGCATCA	CAGTTGGTGG	AAAAGAAAAAC
<i>P.villosissima</i>	CAGCTTAATA	TGGAGCTTCA	ATTAGCATCA	CAGTTGGTGG	AAAAGAAAAAC

	1260	1270	1280	1290	1300
<i>P.eburnea</i>	CCTTTCGGATG	CAAAACCTTAT	TGTGCGAGAT	GCTTCTTCGC	GGAGCTCCGT
<i>P.fimbrisejala</i>	CCTTTCGGATG	CAAAACCTTAT	TGTGCGAGAT	GCTTCTTCGC	GGAGCTCCGT
<i>P.heterotricha</i>	CCTTTCGGATG	CAAAACCTTAT	TGTGCGAGAT	GCTTCTTCGC	GGAGCTCCGT
<i>P.huaijiensis</i>	CCTTTCGGATG	CAAAACCTTAT	TGTGCGAGAT	GCTTCTTCGC	GGAGCTCCGT
<i>P.lutea</i>	CCTTTCGGATG	CAAAACCTTAT	TGTGCGAGAT	GCTTCTTCGC	GGAGCTCCGT
<i>P.pteropoda</i>	CCTTTCGGATG	CAAAACCTTAT	TGTGCGAGAT	GCTTCTTCGC	GGAGCTCCGT
<i>P.sinensis</i>	CCTTTCGGATG	CAAAACCTTAT	TGTGCGAGAT	GCTTCTTCGC	GGAGCTCCGT
<i>P.swinglei</i>	CCTTTCGGATG	CAAAACCTTAT	TGTGCGAGAT	GCTTCTTCGC	GGAGCTCCGT
<i>P.tabacum</i>	CCTTTCGGATG	CAAAACCTTAT	TGTGCGAGAT	GCTTCTTCGC	GGAGCTCCGT
<i>P.villosissima</i>	CCTTTCGGATG	CAAAACCTTAT	TGTGCGAGAT	GCTTCTTCGC	GGAGCTCCGT

	1310	1320	1330	1340	1350
<i>P.eburnea</i>	TTGGGATTGT	GAAATCAGTCT	CCCAATATCA	TGGATCTTGT	AAATTTGTGAC
<i>P.fimbrisejala</i>	TTGGGATTGT	GAAATCAGTCT	CCCAATATCA	TGGATCTTGT	AAATTTGTGAC
<i>P.heterotricha</i>	TTGGGATTGT	GAAATCAGTCT	CCCAATATCA	TGGATCTTGT	AAATTTGTGAC
<i>P.huaijiensis</i>	TTGGGATTGT	GAAATCAGTCT	CCCAATATCA	TGGATCTTGT	AAATTTGTGAC
<i>P.lutea</i>	TTGGGATTGT	GAAATCAGTCT	CCCAATATTA	TGGATCTTGT	AAATTTGTGAC
<i>P.pteropoda</i>	TTGGGATTGT	GAAATCAGTCT	CCCAATATCA	TGGATCTTGT	AAATTTGTGAC
<i>P.sinensis</i>	TTGGGATTGT	GAAATCAGTCT	CCCAATATTA	TGGATCTTGT	AAATTTGTGAC
<i>P.swinglei</i>	TTGGGATTGT	GAAATCAGTCT	CCCAATATCA	TGGATCTTGT	AAATTTGTGAC
<i>P.tabacum</i>	TTGGGATTGT	GAAATCAGTCT	CCCAATATCA	TGGATCTTGT	AAATTTGTGAC
<i>P.villosissima</i>	TTGGGATTGT	GAAATCAGTCT	CCCAATATCA	TGGATCTTGT	AAATTTGTGAC

	1360	1370	1380	1390	1400
<i>P.eburnea</i>	GGGGCTGCAC	TATATTTACTG	TGGGAAATGT	TGGTTTCTTG	GTGTCACACC
<i>P.fimbrisejala</i>	GGGGCTGCAT	TATATTTACTG	TGGGAAATGT	TGGTTTCTTG	GTGTCACACC
<i>P.heterotricha</i>	GGGGCAGCAT	TATATTTACTG	TGGGAAATGT	TGGTTTCTTG	GTGTCACACC
<i>P.huaijiensis</i>	GGGGCTGCAT	TATATTTACTG	TGGGAAATGT	TGGTTTCTTG	GTGTCACACC
<i>P.lutea</i>	GGGGCTGCAT	TATATTTACTG	TGGGAAATGT	TGGTTTCTTG	GTGTCACACC
<i>P.pteropoda</i>	GGGGCAGCAT	TATATTTACTG	TGGGAAATGT	TGGTTTCTTG	GTGTCACACC
<i>P.sinensis</i>	GGGGCTGCAT	TATATTTACTG	TGGTAAATGT	TGGTTTCTTG	GTGTCACACC
<i>P.swinglei</i>	GGGGCTGCAT	TATATTTACTG	TGGGAAATGT	TGGTTTCTTG	GTGTCACACC
<i>P.tabacum</i>	GGGGCTGCAT	TATATTTACTG	TGGGAAATGT	TGGTTTCTTG	GTGTCACACC
<i>P.villosissima</i>	GGGGCTGCAT	TATATTTACTG	TGGGAAATGT	TGGTTTCTTG	GTGTCACACC

	1410	1420	1430	1440	1450
<i>P.eburnea</i>	GACTGAGGCA	CAAAATGAGAG	ATAATTGCTGA	ATGGCTACTA	AACAGCCTTG
<i>P.fimbrisejala</i>	GACTGAGGCA	CAAGTGAGAG	ATAATTGCTGA	ATGGCTACTA	AACAGCCTTG
<i>P.heterotricha</i>	GACTGAGGCA	CAAAATGAGAG	ATAATTGCTGA	ATGGCTACTA	AACAGCCTTG
<i>P.huaijiensis</i>	GACTGAGGCA	CAAAATGAGAG	ATAATTGCTGA	ATGGCTACTA	AACAGCCTTG
<i>P.lutea</i>	GACTGAGGCA	CAAAATGAGAG	ATAATTGCTGA	ATGGCTACTA	AACAGCCTTG
<i>P.pteropoda</i>	GACTGAGGCA	CAAAATGAGAG	ATAATTGCTGA	ATGGCTACTA	AACAGCCTTG
<i>P.sinensis</i>	GACTGAGGCA	CAAAATGAGAG	ATAATTGCTGA	ATGGCTACTA	AACAGCCTTG
<i>P.swinglei</i>	GACTGAGGCA	CAACTGAGAG	ATAATTGCTGA	ATGGCTACTA	AACAGCCTTG
<i>P.tabacum</i>	GACCGAGGCA	CAAAATGAGAG	ATAATTGCTGA	ATGGCTACTA	AACAGCCTTG
<i>P.villosissima</i>	GACTGAGGCA	CAAAATGAGAG	ATAATTGCTGA	ATGGCTACTA	AACAGCCTTG

	1460	1470	1480	1490	1500
<i>P.eburnea</i>	AAGATTCCAC	AGGGTTAAGT	ACAGATAGTTC	TTGCTGATGC	TGGCTATCCA
<i>P.fimbrisejala</i>	AAGATTCCAC	AGGGTTAAGT	ACAGATAGTTC	TTGCTGATGC	TGGCTATCCA
<i>P.heterotricha</i>	AAGATTCCAC	AGGGTTAAGT	ACAGATAGTTC	TTGCTGATGC	TGGCTATCCA
<i>P.huaijiensis</i>	AAGATTCCAC	AGGGTTAAGT	ACAGATAGTTC	TTGCTGGTGC	TGGCTATCCA
<i>P.lutea</i>	AAGATTCCAC	AGGGTTAAGT	ACAGATAGTTC	TTGCTGATGC	TGGCTATCCA
<i>P.pteropoda</i>	AAGATTCCAC	AGGGTTAAGT	ACAGATAGTTC	TTGCTGATGC	TGGCTATCCA
<i>P.sinensis</i>	AAGATTCCAC	AGGGTTAAGT	ACAGATAGTTC	TTGCTGATGC	TGGCTATCCA
<i>P.swinglei</i>	AAGATTCCAC	AGGGTTAAGT	ACAGATAGTTC	TTGCTGATGC	TGGCTATCCA
<i>P.tabacum</i>	AAGATTCCAC	AGGGTTAAGT	ACAGATAGTTC	TTGCTGACGC	TGGCTATCCA
<i>P.villosissima</i>	AAGATTCCAC	AGGGTTAAGT	ACAGATAGTTC	TTGCTGATGC	TGGCTATCCA

	1510	1520	1530	1540	1550
<i>P.eburnea</i>	GGTGCACCCAC	TGCTTGGTGA	CGCAGTTTGT	GGTATGATTG	CTGCAAAAAT
<i>P.fimbrisepala</i>	GGTGCAGCAC	TGCTTGGTGA	CGCAGTTTGT	GGCATGATTG	CTGCAAAAAT
<i>P.heterotricha</i>	GGTGCAGCAC	TGCTTGGTGA	CGCAGTTTGT	GGCATGATTG	CTGCAGAAT
<i>P.huaijiensis</i>	GGTGCAGCAC	TGCTTGGTGA	CGCAGTTTGT	GGCATGATTG	CTGCAAAAAT
<i>P.lutea</i>	GGTGCAGCAC	TGCTTGGTGA	CGCAGTTTGT	GGCATGATTG	CTGCAAAAAT
<i>P.pteropoda</i>	GGTGCAGCAC	TGCTTGGTGA	CGCAGTTTGT	GGCATGATTG	CTGCAGAAT
<i>P.sinensis</i>	GGTGCAGCAC	TGCTTGGTGA	CGCAGTTTGT	GGCATGATTG	CTGCAAAAAT
<i>P.swinglei</i>	GGTGCAGCAC	TGCTTGGTGA	CGCAGTTTGT	GGCATGATTG	CGGCAAGAAT
<i>P.tabacum</i>	GGTGCAGCAC	TGCTTGGTGA	CACAGTTTGT	GGCATGATTG	CTGCAGAAT
<i>P.villosissima</i>	GGTGCAGCAC	TGCTTGGTGA	CGCAGTTTGT	GGCATGATTG	CTGCAAAAAT

	1560	1570	1580	1590	1600
<i>P.eburnea</i>	TACATCCACC	GATTTTCTAT	TTTGGTTTAG	GTCCTCACACG	GCAAAGGAAA
<i>P.fimbrisepala</i>	TACATCCACC	GATTTTCTAT	TTTGGTTTAG	ATCTCACACG	GCAAAGGAAA
<i>P.heterotricha</i>	TACATCCACC	GATTTTCTAT	TTTGGTTTAG	GTCCTCACACG	GCAAAGGAAAG
<i>P.huaijiensis</i>	TACATCCACC	GATTTTCTAT	TTTGGTTTAG	GTCCTCACACG	GCAAAGGAAA
<i>P.lutea</i>	TACATCCACC	GATTTTCTAT	TTTGGTTTAG	GTCCTCACACG	GCAAAGGAAA
<i>P.pteropoda</i>	TACATCCACC	GATTTTCTAT	TTTGGTTTAG	GTCCTCACACG	GCAAAGGAAAG
<i>P.sinensis</i>	TACATCCACC	GATTTTCTAT	TTTGGTTTAG	GTCCTCACACG	GCAAAGGAAAG
<i>P.swinglei</i>	TACATCCACC	GATTTTCTAT	TTTGGTTTAG	GTCCTCACACG	GCAAAGGAAAG
<i>P.tabacum</i>	TACATCCACC	GATTTTCTAT	TTTGGTTTAG	GTCCTCACACG	GCAAAGGAAA
<i>P.villosissima</i>	TACATCCACC	GATTTTCTAT	TTTGGTTTAG	GTCCTCACACG	GCAAAGGAAA

	1610	1620	1630	1640	1650
<i>P.eburnea</i>	TCAAATGGGG	AGGAGCTAAG	CATCATCCGG	AGGACAAAGA	TGACGGTGGG
<i>P.fimbrisepala</i>	TCAAATGGGG	AGGAGCTAAG	CATCATCCGG	AGGACAAAGA	TGACGGTGGG
<i>P.heterotricha</i>	TCAAATGGGG	AGGAGCTAAG	CATCACCCGG	AGGACAAAGA	TGATGGTGGG
<i>P.huaijiensis</i>	TCAAATGGGG	AGGAGCTAAG	CATCATCCGG	AGGACAAAGA	TGACGGCGGG
<i>P.lutea</i>	TCAAATGGGG	AGGAGCTAAG	CATCATCCAG	AGGACAAAGA	TGACGGTGGG
<i>P.pteropoda</i>	TCAAATGGGG	AGGAGCTAAG	CATCACCCGG	AGGACAAAGA	TGATGGTGGG
<i>P.sinensis</i>	TCAAATGGGG	AGGAGCTAAG	CATCATCCGG	AGGACAAAGA	TGACGGTGGG
<i>P.swinglei</i>	TCAAATGGGG	AGGAGCTAAG	CATCATCCGG	AGGACAAAGA	TGACGGTGGG
<i>P.tabacum</i>	TCAAATGGGG	AGGAGCTAAG	CATCATCCGG	AGGACAAAGA	TGACGGTGGG
<i>P.villosissima</i>	TCAAATGGGG	AGGAGCTAAG	CATCATCCGG	AGGACAAAGA	TGACGGTGGG

	1660	1670	1680	1690	1700
<i>P.eburnea</i>	AAAAATGCACC	CCAGATCTTC	ATTCAATACC	TTTCTTGAAAG	TAGTAAAAAG
<i>P.fimbrisepala</i>	AAAAATGCACC	CTAGATCTTC	ATTCAATACC	TTTCTTGAAAG	TAGTAAAAAG
<i>P.heterotricha</i>	AAAAATGCACC	CTAGATCTTC	ATTCAATACC	TTTCTTGAAAG	TAGTAAAAAG
<i>P.huaijiensis</i>	AAAAATGCACC	CTAGATCTTC	ATTCAATACC	TTTCTTGAAAG	TAGTAAAAAG
<i>P.lutea</i>	AAAAATGCACC	CTAGATCTTC	ATTCAATACC	TTTCTTGAAAG	TAGTAAAAAG
<i>P.pteropoda</i>	AAAAATGCACC	CTAGATCTTC	ATTCAATACC	TTTCTTGAAAG	TAGTAAAAAG
<i>P.sinensis</i>	AAAAATGCACC	CTAGATCTTC	ATTCAATACC	TTTCTTGAAAG	TAGTAAAAAG
<i>P.swinglei</i>	AAAAATGCACC	CTAGATCTTC	ATTCAATACC	TTTCTTGAAAG	TAGTAAAAAG
<i>P.tabacum</i>	AAAAATGCACC	CTAGATCTTC	ATTCAATACC	TTTCTTGAAAG	TAGTAAAAAG
<i>P.villosissima</i>	AAAAATGCACC	CTAGATCTTC	ATTCAACACC	TTTCTTGAAAG	TAGTAAAAAG

	1710	1720	1730	1740	1750
<i>P.eburnea</i>	CCGGAGTTTG	CAGTGGGAGG	TTGCAGAGAT	TAAATGCAATT	CATTCTCTCC
<i>P.fimbrisepala</i>	CCGGAGTTTG	CAGTGGGAGG	TTGCAGAGAT	TAAATGCAATT	CATTCTCTCC
<i>P.heterotricha</i>	CCGGAGTTTG	CAGTGGGAGG	TTGCAGAGAT	TAAATGCAATT	CATTCTCTCC
<i>P.huaijiensis</i>	CCGGAGTTTG	CAGTGGGAGG	TTGCAGAGAT	TAAATGCAATT	CATTCTCTCC
<i>P.lutea</i>	CCGGAGTTTG	CAGTGGGAGG	TTGCAGAGAT	TAAATGCAATT	CATTCTCTCC
<i>P.pteropoda</i>	CCGGAGTTTG	CAGTGGGAGG	TTGCAGAGAT	TAAATGCAATT	CATTCTCTCC
<i>P.sinensis</i>	CCGGAGTTTG	CAGTGGGAGG	TTGCAGAGAT	TAAATGCAATT	CATTCTCTCC
<i>P.swinglei</i>	CCGGAGTTTG	CAGTGGGAGG	TTGCAGAGAT	TAAATGCAATT	CATTCTCTCC
<i>P.tabacum</i>	CCGGAGTTTG	CATTGGGAGG	TTGCAGAGAT	TAAATGCAATT	CATTCTCTCC
<i>P.villosissima</i>	CCGGAGTTTG	CAGTGGGAGG	TTGCAGAGAT	TAAATGCAATT	CATTCTCTCC

	1760	1770	1780	1790	1800
<i>P.eburnea</i>	AACTTATATT	GAGAAATTCA	TTCC TGGAGA	TTGAAGAAGG	CAGTCC TAAA
<i>P.fimbrisepala</i>	AACTTATATT	GAGAAATTCA	TTCC TGGAGA	TTGAAGAAGG	CGGCCCTAAA
<i>P.heterotricha</i>	AACTTATATT	GAGAAATTCA	TTCC TGGAGA	TTGAAGAAGG	CGGTCC TAAA
<i>P.huaijiensis</i>	AACTTATATT	GAGAAATTCA	TTCC TGGAGA	TTGAAGAAGG	CGGTCC TAAA
<i>P.lutea</i>	AACTTATATT	GAGAAATTCG	TTCC TGGAGA	TGAAGAAGG	CGGTCC TAAA
<i>P.pteropoda</i>	AACTTATATT	GAGAAATTCA	TTCC TGGAGA	TTGAAGAAGG	CGGTCC TAAA
<i>P.sinensis</i>	AACTTATATT	GAGAAATTCA	TTCC TGGAGA	TTGAAGAAGG	CGGTCC TAAA
<i>P.swinglei</i>	AACTTATATT	GAGAAATTCG	TTCC TGGAGA	TTGAAGAAA	CGGTCC TAAA
<i>P.tabacum</i>	AACTTATATT	GAGAAATTCG	TTCC TGGAGA	TTGAAGAAGG	CGGTCC TAAA
<i>P.villosissima</i>	AACTTATATT	GAGAAATTCG	TTCC TGGAGA	TTGAAGAAGG	CGGTCC TAAA

	1810	1820	1830	1840	1850
<i>P.eburnea</i>	CCTGATATAT	TTTCTCAACA	AAATGATTCT	GAGAACCCAC	AGCTGAAATGA
<i>P.fimbrisepala</i>	CCTGATATAT	TTTCTCAACA	AAATGATTCT	GACAAACCCAC	AGCTGAAATGA
<i>P.heterotricha</i>	CCTGATATAT	TTTCTCAACA	AAATGATTCT	GAGAAATCCAC	AGCTGGATGA
<i>P.huaijiensis</i>	CCTGATATAT	TTTCTCAACA	AAATGATTCT	GACAAACCCAC	AGCTGAAATGA
<i>P.lutea</i>	CCTGATATAT	TTTCTCAACA	AAATGATTCT	GACAAACCCAC	AGCTGAAATGA
<i>P.pteropoda</i>	CCTGATATAT	TTTCTCAACA	AAATGATTCT	GAGAAATCCAC	AGCTGGATGA
<i>P.sinensis</i>	CCTGATATAT	TTTCTCAACA	AAATGATTCT	GACAAACCCAC	AGCTGGATGA
<i>P.swinglei</i>	CCTGATATAT	TTTCTCAACA	AAATGATTCT	GACAAACCCAC	AGCTGGATGA
<i>P.tabacum</i>	CCTGATATAT	TTTCTCAACA	AAATGATTCT	GACAAACCCAC	AGCTGAAATGA
<i>P.villosissima</i>	CCTGATATAT	TTTCTCAACA	AAATGATTCT	GACAAACCCAC	AGCTGAAATGA

	1860	1870	1880	1890	1900
<i>P.eburnea</i>	ACTTACTTTCG	GCCGCTGCTG	AAATGGTCCG	GCTGATAGAA	ACAGCTACTG
<i>P.fimbrisepala</i>	ACTTACTTTC	GCTGCTGCTG	AAATGGTCCG	GCTGATAGAA	ACAGCTACTG
<i>P.heterotricha</i>	ACTTACTTTC	GCCGCTGCTG	AAATGGTCCG	GTTGATAGAA	ACAGCTACTG
<i>P.huaijiensis</i>	ACTTACTTTC	GCTGCTGCTG	AAATGGTCCG	GCTGATAGAA	ACAGCTACTG
<i>P.lutea</i>	ACTTACTTTCG	GCCGCTGCTG	AAATGGTCCG	GCTGATAGAA	ACAGCTACTG
<i>P.pteropoda</i>	ACTTACTTTC	GCCGCCGCTG	AAATGGTCCG	GTTGATAGAA	ACAGCTACTG
<i>P.sinensis</i>	ACTTACTTTC	GCCGCTGCTG	AAATGGTCCG	GCTGATAGAA	ACAGCTACTG
<i>P.swinglei</i>	ACTTACTTTC	GCCGCTGCTG	AAATGGTCCG	GCTGATAGAA	ACAGCTACTG
<i>P.tabacum</i>	ACTTACTTTC	GCCGCTGCTG	AAATGGTCCG	GCTGATAGAA	ACAGCTACTG
<i>P.villosissima</i>	ACTTACTTTC	GCTGCTGCTG	AAATGGTCCG	GCTGATAGAA	ACAGCTACTG

	1910	1920	1930	1940	1950
<i>P.eburnea</i>	TTCCAATTTTT	TGGAGTTCGAT	GCAATCCGGTT	GGATCAATGG	GTGGAAATGCT
<i>P.fimbrisepala</i>	TTCCAATTTTT	TGGAGTTCGAT	TCAATCCGGTT	GGATCAATGG	GTGGAAATGCT
<i>P.heterotricha</i>	TTCCAATTTTT	TGGAGTAGAT	TCAATCCGGTT	GGATCAATGG	GTGGAAATGCT
<i>P.huaijiensis</i>	TTCCAATTTTT	TGGAGTTCGAT	TCAATCCGGTT	GGATCAATGG	GTGGAAATGCT
<i>P.lutea</i>	TTCCAATTTTT	TGGAGTTCGAT	GCAATCCGGTT	GGATCAATGG	GTGGAAATGCT
<i>P.pteropoda</i>	TTCCAATTTTT	TGGAGTAGAT	TCAATCCGGTT	GGATCAATGG	GTGGAAATGCT
<i>P.sinensis</i>	TTCCAATTTTT	TGGAGTTCGAT	TCAATCCGGTT	GGATCAATGG	GTGGAAATGCT
<i>P.swinglei</i>	TTCCAATTTTT	TGGAGTAGAT	TCAATCCGGTT	GGATCAATGG	GTGGAAATGCT
<i>P.tabacum</i>	TTCCAATTTTT	TGGAGTTGAT	TCAATCCGGTT	GGATCAATGG	GTGGAAATGCT
<i>P.villosissima</i>	TTCCAATTTTT	TGGAGTTCGAT	TCAATCCGGTT	GGATCAATGG	GTGGAAATGCT

	1960	1970	1980	1990	2000
<i>P.eburnea</i>	AAGATGCAATG	AGTTGACGGG	GTTGACTCTG	TCCGAAGCTT	TGGGAAAGTC
<i>P.fimbrisepala</i>	AAGATGCAATG	AGTTGACGGG	GTTGACTCTG	TCCGAAGCTT	TGGGAAAGTC
<i>P.heterotricha</i>	AAGATGCAATG	AGTTGACAGG	GTTGACTCTG	TCCGAAGCTT	TGGGAAAGTC
<i>P.huaijiensis</i>	AAGATGCAATG	AGTTGACGGG	GTTGACTCTG	TCCGAAGCTT	TGGGAAAGTC
<i>P.lutea</i>	AAGATGCAATG	AGTTGACGGG	GTTGACTCTG	TCCGAAGCTT	TGGGAAAGTC
<i>P.pteropoda</i>	AAGATGCAATG	AGTTGACAGG	GTTGACTCTG	TCCGAAGCTT	TGGGAAAGTC
<i>P.sinensis</i>	AAGATGCAATG	AGTTGACGGG	GTTGACTCTG	TCCGAAGCTT	TGGGAAAGTC
<i>P.swinglei</i>	AAGATGCAATG	AAATGACGGG	GTTGACTCTG	TCCGAAGCTT	TGGGAAAGTC
<i>P.tabacum</i>	AAGATGCAATG	AGTTGACGGG	GTTGACTCTG	TCTGAAGCTT	TGGGAAAGTC
<i>P.villosissima</i>	AAGATGCAATG	AGTTGACGGG	GTTGACTCTG	TCCGAAGCTT	TGGGAAAGTC

	2010	2020	2030	2040	2050
<i>P.eburnea</i>	TCTGATCAAC	GATGTCATTC	ATGAAGACTC	GCGTGGAGCT	ACTGAAATCC
<i>P.fimbrisepala</i>	TCTGATCAAC	GATGTCATTC	ATGAAGACTC	GCGTGGAGCT	GCTGAAATCC
<i>P.heterotricha</i>	TCTGATCAAC	GATGTCATTC	ATGAAGACTC	GCGTGGAGCT	GCTGAAATCC
<i>P.huaijiensis</i>	TCTGATCAAC	GATGTCATTC	ATGAAGACTC	GCGTGGAGCT	GCTGAAATCC
<i>P.lutea</i>	TCTGATCAAC	GATGTCATTC	ATGAAGACTC	GCGTGGAGCT	ACTGAAATCC
<i>P.pteropoda</i>	TCTGATCAAC	GATGTCATTC	ATGAAGACTC	GCGTGGAGCT	GCTGAAATCC
<i>P.sinensis</i>	TCTGATCAAC	GATGTCATTC	ATGAAGACTC	GCGTGGAGCT	GCTGAAATCC
<i>P.swinglei</i>	TCTGATCAAC	GATGTCATTC	ATGAAGACTC	GCGTGGAGCT	GCTGAAATCC
<i>P.tabacum</i>	TCTGATCAAC	GATGTCATTC	ACGAAGACTC	GCGTGGAGCT	ACTGAAATCC
<i>P.villosissima</i>	TCTGATCAAC	GATGTCATTC	ACGAAGACTC	GCGTGGAGCT	GCTGAAATCC

	2060	2070	2080	2090	2100
<i>P.eburnea</i>	TGCTGCAAAG	AGCTCTGCAC	GGTGAGGAGG	AAAAAAAAATGT	TGAAGTGAAG
<i>P.fimbrisepala</i>	TGCTGCAAAG	AGCTCTGCAC	GGTGAGGAGC	AAAAAAAAATGT	TGAAGTGAAG
<i>P.heterotricha</i>	TGCTGCAAAG	AGCTCTGCAC	GGTGAGGAGG	AAAAAAAAATGT	TGAAGTGAAG
<i>P.huaijiensis</i>	TGTTGCAAAG	AGCTCTGCAC	GGTGAGGAGA	AAAAAAAAATGT	TGAAGTGAAG
<i>P.lutea</i>	TGCTGCAAAG	AGCTCTGCAC	GGCGAGGAGG	AAAAAAAAATGT	TGAAGTGAAG
<i>P.pteropoda</i>	TGCTGCAAAG	AGCTCTGCAC	GGTGAGGAGG	AAAAAAAAATGT	TGAAGTGAAG
<i>P.sinensis</i>	TGCTGCAAAG	AGCTCTGCAC	GGCGAGGAGG	AAAAAAAAATGT	TGAAGTGAAG
<i>P.swinglei</i>	TGCTGCAAAG	AGCTCTGCAC	GGTGAGGAGG	AAAAAAAAATGT	TGAAGTGAAG
<i>P.tabacum</i>	TGCTGCAAAG	AGCTCTGCAC	GGTGAGGAGG	AAAAAAAAATGT	TGAAGTGAAG
<i>P.villosissima</i>	TGCTGCAAAG	AGCTCTGCAC	GGTGAGGAGG	AAAAAAAAATGT	TGAAGTGAAG

	2110	2120	2130	2140	2150
<i>P.eburnea</i>	CTAATGACTT	TTGGGGGACA	TGTTCCAAAC	GCTGTTATCC	TTGCTAATGC
<i>P.fimbrispala</i>	CTACTGACTT	TTGGGGGACA	CGTTCCAAAC	GCTGTTATCC	TTGCTAATGC
<i>P.heterotricha</i>	CTACTGACTT	TTGGGGGACA	CGTTCCAAAC	GCTGTTATCC	TTGCTAATGC
<i>P.huaijiensis</i>	CTACTGACTT	TTGGGGGACA	CGTTCCAAAT	GCTGTTATCC	TTGCTAATGC
<i>P.lutea</i>	CTACTGACTT	TTGGGGGACA	AGTTCCAAAC	GCTGTTATCC	TTGCTAATGC
<i>P.pteropoda</i>	CTACTGACTT	TTGGGGGACA	CGTTCCAAAC	GCTGTTATCC	TTGCTAATGC
<i>P.sinensis</i>	CTACTGACTT	TTGGGGGACA	CGTTCCAAAC	GCTGTTATCC	TTGCTAATGC
<i>P.swinglei</i>	CTACTGACTT	TTGGGGGACA	CGTTCCAAAC	GCTGTTATAC	TTGCTAATGC
<i>P.tabacum</i>	CTACTGACTT	TTGGGGGACA	CGTTCCAAAC	GCTGTTATCC	TTGCTAATGC
<i>P.villosissima</i>	CTACTGACTT	TTGGGGGACA	CGTTCCAAAC	GCTGTTATCC	TTGCTAATGC

	2160	2170	2180	2190	2200
<i>P.eburnea</i>	TTGTACAAGT	AGGAACATAA	AAAAATGATGT	TGTTGGAGTT	TGCTTTATTTG
<i>P.fimbrispala</i>	TTGTACCAGT	AGGAACATAA	AAAAATGATGT	TGTTGGAGTT	TGCTTTATTTG
<i>P.heterotricha</i>	TTGTACCAGT	AGGAACATAA	AAAAATGATGT	TGTTGGAGTT	TGCTTTATTTG
<i>P.huaijiensis</i>	TTGTACCAGT	AGGAACATAA	AAAAATGATGT	TGTTGGAGTT	TGCTTTATTTG
<i>P.lutea</i>	TTGTACCAGT	AGGAACATAA	AAAAATGATGT	TGTAGGAGTT	TGCTTTATTTG
<i>P.pteropoda</i>	TTGTACCAGT	AGGAACATAA	AAAAATGATGT	TGTTGGAGTT	TGCTTTATTTG
<i>P.sinensis</i>	TTGTATCAGT	AGGAACATAA	AAAAATGATGT	TGTTGGAGTT	TGCTTTATTTG
<i>P.swinglei</i>	TTGTACCAGT	AGGAACATAA	AAAAATGATGT	TGTTGGAGTT	TGCTTTATTTG
<i>P.tabacum</i>	TTGTACCAGT	AGGAACATAA	AAAAATGATGT	TGTTGGAGTT	TGCTTTATTTG
<i>P.villosissima</i>	TTGTACCAGT	AGGAACATAA	AAAAATGATGT	TGTTGGAGTT	TGCTTTATTTG

	2210	2220	2230	2240	2250
<i>P.eburnea</i>	GTC AAGATGT	CACAGCTGAG	AAAAATAGTGA	TGGACAAGTT	CATCCGCTTG
<i>P.fimbrispala</i>	GTC AAGATGT	CACAGCTGAG	AAAAATAGTGA	TGGACAAGTT	CATCCGCTTG
<i>P.heterotricha</i>	GTC AAGATGT	CACAGCTGAG	AAAAATAGTGA	TGGACAAGTT	CATCCGCTTG
<i>P.huaijiensis</i>	GTC AAGATGT	CACAGCTGAG	AAACTAGTGA	TGGACAAGTT	CATCCGCTTG
<i>P.lutea</i>	GTC AAGATGT	CACAGCTGAG	AAAAATAGTGA	TGGACAAGTT	CATCCGCTTG
<i>P.pteropoda</i>	GTC AAGATGT	CACAGCTGAG	AAAAATAGTGA	TGGACAAGTT	CATCCGCTTG
<i>P.sinensis</i>	GTC AAGATGT	CACAGCTGAG	AAAAATAGTGA	TGGACAAGTT	CATCCGCTTG
<i>P.swinglei</i>	GTC AAGATGT	CACAGCTGAG	AAAAATAGTGA	TGGACAAGTT	CATCCGCTTG
<i>P.tabacum</i>	GTC AAGATGT	CACAGCTGAG	AAAAATAGTGA	TGGACAAGTT	CATCCGCTTG
<i>P.villosissima</i>	GTC AAGATGT	CACAGCTGAG	AAAAATAGTGA	TGGACAAGTT	CATCCGCTTG

	2260	2270	2280	2290	2300
<i>P.eburnea</i>	CAAGGGGACT	ACAAGATTTAT	TATGCAAAGC	CTAAGTCCAC	TGATTCGGCC
<i>P.fimbrispala</i>	CAAGGGGACT	ACAAGATTTAT	TATGCAAAGC	CTAAGTCCAC	TGATTCGGCC
<i>P.heterotricha</i>	CAAGGGGACT	ACAAGATTTAT	TATGCAAAGC	CTAAGTCCCT	TGATTCCTCC
<i>P.huaijiensis</i>	CAAGGGGACT	ACAAGATTTAT	TATGCAAAGC	CTAAGTCCAC	TGATTCGGCC
<i>P.lutea</i>	CAAGGGGACT	ACAAGATTTAT	TATGCAAAGC	CTAAGTCCAC	TGATTCGGCC
<i>P.pteropoda</i>	CAAGGGGACT	ACAAGATTTAT	TATGCAAAGC	CTAAGTCCAC	TGATTCCTCC
<i>P.sinensis</i>	CAAGGGGACT	ACAAGATTTAT	TATGCAAAGC	CTAAGTCCAC	TGATTCGGCC
<i>P.swinglei</i>	CAAGGGGACT	ACAAGATTTAT	TATGCAAAGC	CTAAGTCCAC	TGATTCGGCC
<i>P.tabacum</i>	CAAGGGGACT	ACAAGATTTAT	TATGCAAAGC	CTAAGTCCAC	TGATTCGGCC
<i>P.villosissima</i>	CAAGGGGACT	ACAAGATTTAT	AAATGCAAAGC	CTAAGTCCAC	TGATTCGGCC

	2310	2320	2330	2340	2350
<i>P.eburnea</i>	TATTTTTGCT	TCAGACGAGA	ATGCCTGTTG	TTCTGAATGG	AAATGCAGCCA
<i>P.fimbrispala</i>	TATTTTTGCT	TCAGACGAGA	ATGCCTGTTG	TTCTGAATGG	AAATGCAGCCA
<i>P.heterotricha</i>	TATTTTTGCT	TCAGACGAGA	ATGCCTGTTG	TTCTGAATGG	AAATGCAGCCA
<i>P.huaijiensis</i>	TATTTTTGCT	TCAGACGAGA	ATGCCTGTTG	TTCTGAATGG	AAATGCAGCCA
<i>P.lutea</i>	TATTTTTGCT	TCAGACGAGA	ATGCCTGTTG	TTCTGAATGG	AAATGCAGCCA
<i>P.pteropoda</i>	TATTTTTGCT	TCAGACGAGA	ATGCCTGTTG	TTCTGAATGG	AAATGCAGCCA
<i>P.sinensis</i>	TATTTTTGCT	TCAGACGAGA	ATGCCTGTTG	TTCTGAATGG	AAATGCAGCCA
<i>P.swinglei</i>	TATTTTTGCT	TCAGACGAGA	ATGCCTGTTG	TTCTGAATGG	AAATGCAGCCA
<i>P.tabacum</i>	TATTTTTGCT	TCAGACGAGA	ATGCCTGTTG	TTCTGAATGG	AAATGCAGCCA
<i>P.villosissima</i>	TATTTTTGCT	TCAGACGAGA	ATGCCTGTTG	TTCTGAATGG	AAATGCAGCCA

	2360	2370	2380	2390	2400
<i>P.eburnea</i>	TGGAAAAGCT	GACTGGCTGG	ATGAAAACACG	AGATTATTGG	AAAGATGTTA
<i>P.fimbrispala</i>	TGGAAAAGCT	GACTGGCTGG	ATGAAAACACG	AGATTATTGG	AAAGATGTTA
<i>P.heterotricha</i>	TGGAAAAGCT	GACTGGCTGG	ACGAAAACACG	AGATTAAATGG	AAAGATGTTA
<i>P.huaijiensis</i>	TGGAAAAGCT	GACTGGCTGG	ATGAAAACACG	AGATTATTGG	AAAGATGTTA
<i>P.lutea</i>	TGGAAAAGCT	GACTGGCTGG	ATGAAAACATG	AGATTATTGG	AAAGATGTTA
<i>P.pteropoda</i>	TGGAAAAGCT	GACTGGCTGG	ACGAAAACACG	AGATTATTGG	AAAGATGTTA
<i>P.sinensis</i>	TGGAAAAGCT	GACTGGCTGG	ATGAAAACACG	AGATTATTGG	AAAGATGTTA
<i>P.swinglei</i>	TGGAAAAGCT	GACTGGCTGG	ATGAAAACACG	AGATTATTGG	AAAGATGTTA
<i>P.tabacum</i>	TGGAAAAGCT	GACTGGCTGG	ATGAAAACACG	AGATTATTGG	AAAGATGTTA
<i>P.villosissima</i>	TGGAAAAGCT	GACTGGCTGG	ATGAAAACACG	AGATTATTCGG	AAAGATGTTA



	2410	2420	2430	2440	2450
<i>P.eburnea</i>	CCTGGTGAAA	TTTTTTGGAAG	CTTCTGTTCGG	CTGAAAGGTC	AGGACGAGCT
<i>P.fimbrisepala</i>	CCTGGTGAAA	TTTTTTGGAAG	CTTCTGTTCGG	CTGAAAGGTC	AAGACGAGCT
<i>P.heterotricha</i>	CCTGGTGAAA	TTTTTTGGAAG	CTTCTGTTCGG	CTGAAAGGTC	AAGACGAGCT
<i>P.huaijiensis</i>	CCTGGTGAAA	TATTTTGGAAAG	CTTCTGTTCGG	CTGAAAGGTC	AAGACGAGCT
<i>P.lutea</i>	CCTGGTGAAA	TTTTTTGGAAG	CTTCTGTTCGG	CTGAAAGGTC	AAGACGAGCT
<i>P.pteropoda</i>	CCTGGTGAAA	TTTTTTGGAAG	CTTCTGTTCGG	CTGAGAGGTC	AAGACGAGCT
<i>P.sinensis</i>	CCTGGTGAAA	TTTTTTGGAAG	CTTCTGTTCGG	CTGAAAGGTC	AAGACGAGCT
<i>P.swinglei</i>	CCTGGTGAAA	TTTTTTGGAAG	CTTCTGTAGG	CTGAAAGGTC	AGGACGAGCT
<i>P.tabacum</i>	CCTGGTGAAA	TTTTTTGGAAG	CTTCTGTTCGG	CTGAAAGGTC	AGGATGAGCT
<i>P.villosissima</i>	CCTGGTGAAA	TTTTTTGGAAG	CTTCTGTTCGG	CTGAAAGGTC	AAGACGAGCT

	2460	2470	2480	2490	2500
<i>P.eburnea</i>	GACTAAAATTC	ATGATTCTTTT	TTTACCAGAGC	AATTAGCGGC	CAGGACACTC
<i>P.fimbrisepala</i>	GACTAAAATTC	ATGATTCTTTT	TGTACCAGAGC	AATTAGTGGC	CAGGACACTC
<i>P.heterotricha</i>	GACTAAAATTC	ATGATTCTTTT	TGTACCAGAGC	AATTAGTGGC	CAGGACACTC
<i>P.huaijiensis</i>	GACTAAAATTC	ATGATTCTTTT	TTTACCAGAGC	AATTAGTGGC	CAGGACACTC
<i>P.lutea</i>	GACTAAAATTC	ATGATTCTTTT	TGTACCAGAGC	AATTAGTGGC	CAGGACACTC
<i>P.pteropoda</i>	GACTAAAATTC	ATGATTCTTTT	TGTACCAGAGC	AATTAGTGGC	CAGGACACTC
<i>P.sinensis</i>	GACTAAAATTC	ATGATTCTTTT	TGTACCAGAGC	AATTAGTGGC	CAGGACACTC
<i>P.swinglei</i>	GACTAAAATTC	ATGATTCTTTT	TGTACCAGAGC	AATTAGTGGC	CAGGACACTC
<i>P.tabacum</i>	GACTAAAATTC	ATGATTCTTTT	TGTACCAGAGC	AATTAGTGGC	CAGGACAAATC
<i>P.villosissima</i>	GACTAAAATTC	ATGATTCTTTT	TGTACCAGAGC	AATTAGTGGC	CAGGACACTC

	2510	2520	2530	2540	2550
<i>P.eburnea</i>	AAACGCTCCC	ATTTGGTTTTT	TTTGACC GGGA	GTTGGTGAGTT	TGTCGATGTG
<i>P.fimbrisepala</i>	AAACGCTCCC	ATTTGGTTTTT	TTTGACC GGGA	GAGGTTGAGTT	TGTCGATGTG
<i>P.heterotricha</i>	AAACGCTCCC	ATTTGGTTTTT	TTTGACC GGGA	GAGGTTGAGTT	TGTCGATGTG
<i>P.huaijiensis</i>	AAACGCTACC	ATTTGGTTTTT	TTTGACC GGGA	GAGGTTGAGTT	TGTCGATGTG
<i>P.lutea</i>	AAACGCTCCC	ATTTGGTTTTT	TTTGACC GGGA	GAGGTTGAGTT	TGTCGATGTG
<i>P.pteropoda</i>	AAACGCTCCC	ATTTGGTTTTT	TTTGACC GGGA	GAGGTTGAGTT	TGTCGATGTG
<i>P.sinensis</i>	AAACGCTCCC	ATTTGGTTTTT	TTTGACC GGGA	GAGGTTGAGTT	TGTCGACGTG
<i>P.swinglei</i>	AAACACTCCC	ATTTGGTTTTT	TTTGACC GGGA	GAGGTTGAGTT	TGTCGATGTG
<i>P.tabacum</i>	AAACGCTCCC	ATTTGGTTTTT	TTTGACC GGGA	GAGGTTGAGTT	TGTCGATGTG
<i>P.villosissima</i>	AAACGCTTCC	ATTTGGTTTTT	TTTGACC GGGA	GAGGTTGAGTT	TGTCGATGTG

	2560	2570	2580	2590	2600
<i>P.eburnea</i>	CTTTTGACAG	CAAAATAAGAA	AACAGAGGAG	GGTGGGAAATG	TGAAACGGGTG
<i>P.fimbrisepala</i>	CTTTTGACAG	CAAAATAAGAA	AACAGAGGAG	GGTGGGAAATG	TGAAACGGGTG
<i>P.heterotricha</i>	CTTTTGACAG	CAAAATAAGAA	AACAGAGGAG	GGTGGGAAATG	TGAAACGGGTG
<i>P.huaijiensis</i>	CTTTTGACAG	CAAAATAAGAA	AACAGAGGAG	GGTGGGAAATG	TGAAACGGGTG
<i>P.lutea</i>	CTTTTGACAG	CAAAATAAGAA	AACAGAGGAG	GGTGGGAAATG	TGAAACGGGTG
<i>P.pteropoda</i>	CTTTTGACAG	CAAAATAAGAA	AACAGAGGAG	GGTGGGAAATG	TGAAACGGGTG
<i>P.sinensis</i>	CTTTTGACAG	CAAAATAAGAA	AACAGAGGAG	GGTGGGAAATG	TGAAACGGGTG
<i>P.swinglei</i>	CTTTTGACAG	CAAAATAAGAA	AACAGAGGAG	GGTGGGAAATG	TGAAACGGGTG
<i>P.tabacum</i>	CTTTTGACAG	CAAAATAAGAA	AACAGAGGAG	GGTGGGAAATG	TGAAACGGGTG
<i>P.villosissima</i>	CTTTTGACAG	CAAAATAAGAA	AACAGAGGAG	GGTGGGAAATG	TGAAACGGGTG

	2610	2620	2630	2640	2650
<i>P.eburnea</i>	TTTCTGCTTC	TTGCAGACTG	TACCGAAAACA	GCAACAGTTC	ATGTTAGATA
<i>P.fimbrisepala</i>	TTTCTGCTTC	TTGCAGACTG	TACCGAAAACA	GCAACAGTTC	ATGTTAGATA
<i>P.heterotricha</i>	TTTCTGCTTC	TTGCAGACTG	TACCGAAAACA	GCAACAGTTC	GTTGTTAAATG
<i>P.huaijiensis</i>	TTTCTGCTTC	TTGCAGACTG	TCCCGAAAACA	GCAACAGTTC	ATGTTAGATA
<i>P.lutea</i>	TTTCTGCTTC	TTGCAGACTG	TACCGAAAACA	GCAACAGTTC	ATGTTAGATA
<i>P.pteropoda</i>	TTTCTGCTTC	TTGCAGACTG	TACCGAAAACA	GCAACAGTTC	GTTGTTAAATA
<i>P.sinensis</i>	TTTCTGCTTC	TTGCAGACTG	TACCGAAAACA	GCAACAGTTC	ATGTTAGATA
<i>P.swinglei</i>	TTTCTGCTTC	TTGCAGACTG	TACCGAAAACA	GCAACAGTTC	ATGTTAGATA
<i>P.tabacum</i>	TTTCTGCTTC	TTGCAGACTG	TACCGAAAACA	GCAACAGTTC	ATGTTAGATA
<i>P.villosissima</i>	CTTCTGCTTC	TTGCAGACTG	TACCGAAAACA	GCAACAGTTC	ATGTTAGATA

	2660	2670	2680	2690	2700
<i>P.eburnea</i>	AGTCGGAAGG	AAAGGAGCAG	CTTTCAA AAC	TTAAAGAGTT	GGCTTACGTT
<i>P.fimbrisepala</i>	AGTCGGAAGG	AAAGGAGCAG	CTTTCAA AAC	TTAAAGAGTT	GGCTTACATA
<i>P.heterotricha</i>	AGTCGGAAGG	AAAGGATCAG	CTTTCAA AAC	TTAAAGAGTT	GGCTTACATT
<i>P.huaijiensis</i>	AGTCGGAAGG	AAAGGAGCAG	CTTTCAA AAC	TTAAAGAGTT	GGCTTATAAT
<i>P.lutea</i>	AGTCAGAAAG	AAAGGAGCAG	CTTTCAA AAC	TTAAAGAGTT	GGCTTACATT
<i>P.pteropoda</i>	AGTCGGAAGG	AAAGGATCAG	CTTTCAA AAC	TTAAAGAGTT	GGCTTACATT
<i>P.sinensis</i>	AGTCGGAAGG	AAAGGAGCAG	CTTTCAA AAC	TTAAAGAGTT	GGCTTACATT
<i>P.swinglei</i>	AGTCGGAAGG	AAAGGAGCAG	CTTTCAA AAC	TTAAAGAGTT	GGCTTACATT
<i>P.tabacum</i>	AGTCGGAAGG	AAAGGAGCAG	CTTTCAA AAC	TTAAAGAGTT	GGCTTACATT
<i>P.villosissima</i>	AGTCGGAAGG	AAAGGAGCAG	CTTTCAA AAC	TTAAAGAGTT	GGCTTACATT

	2710	2720	2730	2740	2750
<i>P.eburnea</i>	AGGCAGGAGA	TGAAGAAATCC	TCTAAATGGA	ATCCGCTTCA	CACATGGACT
<i>P.fimbrispala</i>	AGGCAGGAGA	TGAAGAAATCC	TCTAAATGGA	ATCCGCTTCA	CACATGGACT
<i>P.heterotricha</i>	AGGCAGGAGA	TGAAGAAATCC	TCTAAATGGA	ATCCGCTTCA	CACATGGACT
<i>P.huaijiensis</i>	AGGCAGGAGA	TGAAGAAATCC	TCTAAATGGA	ATCCGCTTCA	CACATGGACT
<i>P.lutea</i>	AGGCAGGAGA	TGAAGAAATCC	TCTAAATGGA	ATCCGCTTCA	CACATGGACT
<i>P.pteropoda</i>	AGGCAGGAGA	TGAAGAAATCC	TCTAAATGGA	ATCCGCTTCA	CACATGGACT
<i>P.sinensis</i>	AGGCAGGAGA	TGAAGAAATCC	TCTAAATGGA	ATCCGCTTCA	CACATGGACT
<i>P.swinglei</i>	AGGCAGGAGA	TGAAGAAATCC	TCTAAATGGA	ATCCGCTTCA	CACATGGACT
<i>P.tabacum</i>	AGGCAGGAGA	TGAAGAAATCC	TCTAAATGGA	ATCCGCTTCA	CACATGGACT
<i>P.villosissima</i>	AGGCAGGAGA	TGAAGAAATCC	TCTAAATGGA	ATCCGCTTCA	CACATGGACT

	2760	2770	2780	2790	2800
<i>P.eburnea</i>	CCTGGGAAAT	TCAGCTCTAA	CAGAAGACCA	GAAACGGTTT	ATTGAGACTA
<i>P.fimbrispala</i>	CCTGGGAAAT	TCAGCTCTAA	CAGAAGACCA	GAAACGGTTT	ATTGAGACTA
<i>P.heterotricha</i>	CCTGGGAAAT	TCAGCTCTAA	CAGAAGACCA	GAAACGGTTT	ATTGAGACTA
<i>P.huaijiensis</i>	CCTGGGAAAT	TCAGCTCTAA	CAGAAGACCA	GAAACGGTTT	ATTGAGACTA
<i>P.lutea</i>	CCTGGGAAAT	TCAGCTCTAA	CAGAAGACCA	GAAACGGTTT	ATTGAGACTA
<i>P.pteropoda</i>	CCTGGGAAAT	TCAGCTCTAA	CAGAAGACCA	GAAACGGTTT	ATTGAGACTA
<i>P.sinensis</i>	CCTGGGAAAT	TCAGCTCTAA	CAGAAGACCA	GAAACGGTTT	ATTGAGACTA
<i>P.swinglei</i>	CCTGGGAAAT	TCAGCTCTAA	CAGAAGACCA	GAAACGGTTT	ATTGAGACTA
<i>P.tabacum</i>	CCTGGGAAAT	TCAGCTCTAA	CAGAAGACCA	GAAACGGTTT	ATTGAGACTA
<i>P.villosissima</i>	CCTGGGAAAT	TCAGCTCTAA	CAGAAGACCA	GAAACGGTTT	ATTGAGACTA

	2810	2820	2830	2840	2850
<i>P.eburnea</i>	G T G A A G C T T G	T G A A A G A C A A	A T T T T A T C T A	T T T T A G A C G A	T C C A C A T T T T
<i>P.fimbrispala</i>	G C G A A G C T T G	T G A A A G A C A A	A T T T T A T C T A	T T T T A G A C G A	T C C A C A T T T T
<i>P.heterotricha</i>	G T G A A G C T T G	T G A A A G A C A A	A T T T T A T C T A	T T T T A G A C G A	T C C A C A T T T T
<i>P.huaijiensis</i>	G T G A A G C T T G	T G A A A G A C A A	A T T T T A T C T A	T T T T A G A C G A	T C C A C A T T T T
<i>P.lutea</i>	G C G A A G C T T G	T G A A A G A C A A	A T T T T A T C T A	T T T T A G A C G A	T C C A C A T T T T
<i>P.pteropoda</i>	G T G A A G C T T G	T G A A A G A C A A	A T T T T A T C T A	T T T T A G A C G A	T C C A C A T T T T
<i>P.sinensis</i>	G C G A A G C T T G	T G A A A G A C A A	A T T T T A T C T A	T T T T A G A C G A	T C C A C A T T T T
<i>P.swinglei</i>	G T G A A G C T T G	C G A A A G A C A A	A T T T T A T C T A	T T T T A G A C G A	T A C A C A T T T T
<i>P.tabacum</i>	G C G A A G C T T G	T G A A A G A C A A	A T T T T A T C T A	T T T T A G A C G A	T C C A C A T T T T
<i>P.villosissima</i>	G C G A A G C T T G	C G A A A G A C A A	A T T T T A T C T A	T T T T A G A T G A	T C C A C A T T T T

	2860	2870	2880	2890	2900
<i>P.eburnea</i>	G G A A G T T C A C	A A G A A G G T G A	A C T G G A G C T T	A A G A T G G A A G	A G T T T T T C T T
<i>P.fimbrispala</i>	G G A A G T T C A C	A A G A A G G T G A	A C T G G A G C T T	A A G A T G G A A G	A G T T T T T C T T
<i>P.heterotricha</i>	G G A A G T T C A C	A A G A A G G T G A	A C T G G A G C T T	A A G A T G G A A G	A G T T T T T C T T
<i>P.huaijiensis</i>	G G A A G T T C A C	A A G A A G G T G A	A C T G G A G C T T	A A G A T G G A A G	A G T T T T T C T T
<i>P.lutea</i>	G G A A G T T C A C	A A G A A G G T G A	A C T G G A G C T T	A A G A T G G A A G	A G T T T T T C T T
<i>P.pteropoda</i>	G G A A G T T C A C	A A G A A G G T G A	A C T G G A G C T T	A A G A T G G A A G	A G T T T T T C T T
<i>P.sinensis</i>	G G A A G T T C A C	A A G A A G G T G A	A C T G G A G C T T	A A G A T G G A A G	A G T T T T T C T T
<i>P.swinglei</i>	G G A A G T T C A C	A A G A A G G T G A	A C C G G A G C T T	A A G A T G G A A G	A G T T T T T C T T
<i>P.tabacum</i>	G G A A G T T C A C	A A G A A G G T G A	A C T G G A G C T T	A A G A T G G A A G	A G T T T T T C T T
<i>P.villosissima</i>	G G A A G T T C A C	A A G A A G G T G A	A C T G G A G C T T	A A G A T G G A A G	A G T T T T T C T T

	2910	2920	2930	2940	2950
<i>P.eburnea</i>	G G G G A A T G T T	A T C A A C G C T A	T T G T T T G T C A	G G C T A T G A T A	T T G T T G A A T G
<i>P.fimbrispala</i>	G G G G A A T G T T	A T C A A C G C T A	T T G T T T G T C A	G G C T A T G A T A	T T G T T G A A T G
<i>P.heterotricha</i>	G G G G A A T G T T	A T C A A C G C T A	T T G T T T G T C A	G G C T A T G A T A	C T G T T G A A T G
<i>P.huaijiensis</i>	G G G G A A T G T T	A T C A A C G C T A	T T G T T T G T C A	G G C T A T G A T A	T T G T T G A A T G
<i>P.lutea</i>	G G G G A A T G T T	A T C A A C G C T A	T T G T T T G T C A	G G C T A T G A T A	T T G T T G A A T G
<i>P.pteropoda</i>	G G G G A A T G T T	A T C A A C G C T A	T T G T T T G T C A	G G C T A T G A T A	C T G T T G A A C G
<i>P.sinensis</i>	G G G G A A T G T T	A T C A A C G C T A	T T G T T T G T C A	G G C T A T G A T A	T T G T T G A A T G
<i>P.swinglei</i>	G G G G A A T G T T	A T C A A C G C T A	T T G T T T G T C A	G G C T A T G A T A	C T G T T G A A T G
<i>P.tabacum</i>	G G G G A A T G T T	A T C A A C G C T A	T T G T T T G T C A	G G C T A T G A T A	T T G T T G A A T G
<i>P.villosissima</i>	G G G G A A T G T T	A T C A A C G C T A	T T G T T T G T C A	G G C T A T G A T A	T T G T T G A A T G

	2960	2970	2980	2990	3000
<i>P.eburnea</i>	A A A A G A A T T T	G A A A C T A G T A	C T G G A T G T C T	C T G A G C G A A T	T A G A A C T C T T
<i>P.fimbrispala</i>	A A A A G A A T T T	G A A A C T A G T A	C T G G A T G T C T	C T G A G C G A A T	T A G A A C T C T T
<i>P.heterotricha</i>	A A A A G A A T T T	G A A A C T A G T A	C T G G A T G T C T	C T G A G C G A A T	T A G A A C T C T T
<i>P.huaijiensis</i>	A A A A G A A T T T	G A A A C T A G T A	C T G G A T G T C T	C T G A G C G A A T	T A G A A C T A T T
<i>P.lutea</i>	A A A A G A A T T T	G A A A C T A G T A	C T G G A T G T C T	C T G A G C G A A T	T A G A A C T C T T
<i>P.pteropoda</i>	A A A A G A A T T T	G A A A C T A G T A	C T G G A T G T C T	C T G A G C G A A T	T A G A A C T C T T
<i>P.sinensis</i>	A A A A G A A T A T	G A A A C T A G T A	C T G G A T G T C T	C T G A G C G A A T	T A G A A C T C T T
<i>P.swinglei</i>	A A A A G A A T T T	G A A A C T A G T A	C T G G A T G T C T	C T G A G C G A A T	T A G A A C T C T T
<i>P.tabacum</i>	A A A A G A A T T T	G A A A C T A G T A	C T G G A T G T C T	C T G A G C G A A T	T A G A A C T C T T
<i>P.villosissima</i>	A A A A G A A T T T	G A A A C T A G T A	C T G G A T G T C T	C T G A G C G A A T	T A G A A C T C T T

	3010	3020	3030	3040	3050
<i>P.eburnea</i>	TGTTTATATG	GGGATCAAAT	AAAGCTTCAG	TTAGCCTTGT	CTGATTTCTT
<i>P.fimbrispala</i>	TGTTTATATG	GGGATCAAAT	AAAGCTTCAG	TTAGCCTTGT	CTGATTTCTT
<i>P.heterotricha</i>	TGTTTATATG	GAGATCAAAT	AAAGCTTCAG	TTAGCCTTGT	CTGATTTCTT
<i>P.huaijiensis</i>	TGTTTATATG	GGGATCAAAT	AAAGCTTCAG	TTAGCCTTGT	CTGATTTCTT
<i>P.lutea</i>	TGTTTATATG	GGGATCAAAT	AAAGCTTCAG	TTAGCCTTGT	CTGATTTCTT
<i>P.pteropoda</i>	TGTTTATATG	GAGATCAAAT	AAAGCTTCAG	TTAGCCTTGT	CTGATTTCTT
<i>P.sinensis</i>	TGTTTATATG	GGGATCAAAT	AAAGCTTCAG	TTAGCCTTGT	CTGATTTCTT
<i>P.swinglei</i>	TGTTTATATG	GAGATCAGAT	AAAGCTTCAG	TTAGCCTTGT	CTGATTTCTT
<i>P.tabacum</i>	TGTTTATATG	GGGATCAAAT	AAAGCTTCAG	TTAGCCTTGT	CTGATTTCTT
<i>P.villosissima</i>	TGTTTATATG	GGGATCAAAT	AAAGCTTCAG	TTAGCCTTGT	CTGATTTCTT

	3060	3070	3080	3090	3100
<i>P.eburnea</i>	GCTCAGTGTG	GTGGACCATA	CACCTTGTCC	TGATGGTTGG	GTGGAAATTA
<i>P.fimbrispala</i>	GCTCAGTGTG	GTGGACCATA	CACCTTGTCC	TGATGGTTGG	GTGGAAATTA
<i>P.heterotricha</i>	GCTCAGTGTG	GTGGACCATA	CACATTGTCC	CGATGGTTGG	GTGGAAATTA
<i>P.huaijiensis</i>	GCTCAGTGTG	GTGGACCATA	CACCTTGTCC	TGATGGTTGG	GTGGAAATTA
<i>P.lutea</i>	GCTCAGTGTG	GTGGACCATA	CACCTTGTCC	TGATGGTTGG	GTGGAAATTA
<i>P.pteropoda</i>	GCTCAGTGTG	GTGGACCATA	CACATTGTCC	CGATGGTTGG	GTGGAAATTA
<i>P.sinensis</i>	GCTCAGTGTG	GTGGACCATA	CACCTTGTCC	TGATGGTTGG	GTGGAAATTA
<i>P.swinglei</i>	GCTCAGTGTG	GTGGACCATA	CACCTTGTCC	TGATGGTTGG	GTGGAAATTA
<i>P.tabacum</i>	GCTCAGTGTG	GTGGACCATA	CACCTTGTCC	TGATGGTTGG	GTGGAAATTA
<i>P.villosissima</i>	GCTCAGTGTG	GTGGACCATA	CACATTGTCC	TGATGGTTGG	GTGGAAATTA

	3110	3120	3130	3140	3150
<i>P.eburnea</i>	TGGTATCCCC	TGGTTTGAAA	CTGATGCAAG	ACGGGAATGA	GTCTGTTTCA
<i>P.fimbrispala</i>	TGGTATCCCC	TGGTTTGAAA	CTGATGCAAG	ACGGGAATGA	GTCTGTTTCA
<i>P.heterotricha</i>	TGGTATCCCC	TGGTTTGAAA	CTGATGCAAG	ACGGGAATGA	GTCTGTTTCA
<i>P.huaijiensis</i>	TGGTATCCCC	TGGTTTGAAA	CTGATGCAAG	ACGGGAATGA	GTCTGTTTCA
<i>P.lutea</i>	TGGTATCCCC	TGGTTTGAAA	CTGATGCAAG	ACGGGAATGA	GTCTGTTTCA
<i>P.pteropoda</i>	TGGTATCCCC	TGGTTTGAAA	CTGATGCAAG	ACGGGAATGA	GTCTGTTTCA
<i>P.sinensis</i>	TGGTATCCCC	TGGTTTGAAA	CTGATGCAAG	ACGGGCAATGA	GTCTGTTTCA
<i>P.swinglei</i>	TGGTATCCCC	TGGTTTGAAA	CTGATGCAAG	ACGGGAATGA	GTCTGTTTCA
<i>P.tabacum</i>	TGGTATCCCC	TGGTTTGAAA	CTGATGCAAG	ACGGGAATGA	GTCTGTTTCA
<i>P.villosissima</i>	TGGTATCCCC	TGGTTTGAAA	CTGATGCAAG	ACGGGAATGA	GTCTGTTTCA

	3160	3170	3180	3190	3200
<i>P.eburnea</i>	CTACAAATTC	GAAATGGCACA	CCCTGGCCAG	GGACTTCCCT	CTTCTCTTAT
<i>P.fimbrispala</i>	CTACAAATTC	GAAATGGCACA	CCCTGGCCAG	GGCCTTCCCT	CTTCTCTTAT
<i>P.heterotricha</i>	CTACAAATTC	GAAATGGCACA	CCCTGGCCAG	GGCCTTCCCT	CTTCTCTTAT
<i>P.huaijiensis</i>	CTACAAATTC	GAAATGGCACA	CCCTGGCCAG	GGCCTTCCCT	CTTCTCTTAT
<i>P.lutea</i>	CTACAAATTC	GAAATGGCACA	CCCTGGCCAG	GGCCTTCCCT	CTTCTCTTAT
<i>P.pteropoda</i>	CTACAAATTC	GAAATGGCACA	CCCTGGCCAG	GGCCTTCCCT	CTTCTCTTAT
<i>P.sinensis</i>	CTACAAATTC	GAAATGGCACA	CCCTGGCCAG	GGCCTTCCCT	CTTCTCTTAT
<i>P.swinglei</i>	CTACAAATTC	GAAATGGCACA	CCCTGGCCAG	GGCCTTCCCT	CTTCTCTTAT
<i>P.tabacum</i>	CTACAAATTC	GAAATGGCACA	CCCTGGCCAG	GGCCTTCCCT	CTTCTCTTAT
<i>P.villosissima</i>	CTACAAATTC	GAAATGGCACA	CCCTGGCCAG	GGCCTTCCCT	CTTCTCTTAT

	3210	3220	3230	3240	3250
<i>P.eburnea</i>	TGAAGATATG	TATGCAGTGA	AAAGTAACTG	GTTAACTCAG	CCAGGAATTG
<i>P.fimbrispala</i>	TGAAGATATG	TTTGCAGTGA	AAAGTAACTG	GTTAACTCAG	CGAGGAGCTA
<i>P.heterotricha</i>	TGAAGATATG	TTTGCAGTGA	AAAGTAACTG	GTTAACTCAG	CGAGGAATTG
<i>P.huaijiensis</i>	TGAAGATATG	TTTGCAGTGA	AAAGTAACTG	GTTAACTCAG	CGAGGAATTG
<i>P.lutea</i>	TGAAGATATG	TATGCAGTGA	AAAGTAACTG	GTTAACTCAG	CCAGGAATTG
<i>P.pteropoda</i>	TGAAGATATG	TTTGCAGTGA	AAAGTAACTG	GTTAACTCAG	CGAGGAATTG
<i>P.sinensis</i>	TGAAGATATG	TTTGCAGTGA	AAAGTAACTG	GTTAACTCAG	CGAGGAATTG
<i>P.swinglei</i>	TGAAGATATG	TTTGCAGTGA	AAAGTAACTG	GTTAACTCAG	CGAGGAATTG
<i>P.tabacum</i>	TGAAGATATG	TATGCAGTGA	AAAGTAACTG	GTTAACTCAG	CGAGGAATTG
<i>P.villosissima</i>	TGAAGATATG	TTTGCAGTGA	AAAGTAACTG	GTTAACTCAG	CGAGGAATTG

	3260	3270	3280	3290	3300
<i>P.eburnea</i>	CTCTCAACAT	TGCTCAGAAA	CTTCTCAAAA	CGATGAATGG	TAAATGTCCGG
<i>P.fimbrispala</i>	CTCTCAACAT	TGCTCAGAAA	CTTCTCAAAA	CGATGAATGG	TAAATGTCCGG
<i>P.heterotricha</i>	CTCTCAACAT	TGCTCAGAAA	CTTCTCAAAA	CGATGAATGG	TAAATGTCCGG
<i>P.huaijiensis</i>	CTCTCAACAT	TGCTCAGAAA	CTTCTCAAAA	CGATGAATGG	TAAATGTCCGG
<i>P.lutea</i>	CTCTCAACAT	TGCTCAGAAA	CTTCTCAAAA	CGATGAATGG	TAAATGTCCGG
<i>P.pteropoda</i>	CTCTCAACAT	TGCTCAGAAA	CTTCTCAAAA	CGATGAATGG	TAAATGTCCGG
<i>P.sinensis</i>	CTCTCAACAT	GGCTCAGAAA	CTTCTCAAAA	CGATGAATGG	TAAATGTCCGG
<i>P.swinglei</i>	CTCTCAACAT	TGCTCAGAAA	CTTCTCAAAA	CGATGAATGG	TAAATGTCCGG
<i>P.tabacum</i>	CTCTCAACAT	TGCTCAGAAA	CTTCTCAAAA	CGATGAATGG	TAAATGTCCGG
<i>P.villosissima</i>	CTCTCAACAT	TGCTCAGAAA	CTTCTCAAAA	CGATGAATGG	TAAATGTCCGG

	3310	3320	3330	3340	3350
<i>P.eburnea</i>	T A T A T C A G A G	A T C A G A G T A G	A T G T T A C T T C	T T A G T T G A T C	T T G A A C T C A T
<i>P.fimbrisepala</i>	T A T A T C A G A G	A T C A G A G T A G	A T G T T A C T T C	T T A G T T G A T C	T T G A A C T C A T
<i>P.heterotricha</i>	T A T A T C A G A G	A T C A G A G T A G	A T G T T A C T T C	T T A G T T G A T C	T T G A T C T C A T
<i>P.huaijiensis</i>	T A T A T C A G A G	A T C A G A G T A G	A T G T T A C T T C	T T A G T T G A T C	T T G A A C T C G T
<i>P.lutea</i>	T A T A T C A G A G	A T C A G A G T A G	A T G T T A C T T C	T T A G T T G A T C	T T G A A C T C A T
<i>P.pteropoda</i>	T A T A T C A G A G	A T C A G A G T A G	A T G T T A C T T C	T T A G T T G A T C	T T G A T C T C A T
<i>P.sinensis</i>	T A T A T C A G A G	A T C A G A G T A G	A T G T T A C T T C	T T A G T T G A T C	T T G A A C T C A T
<i>P.swinglei</i>	T A T A T C A G A G	A T C A G A G T A G	A T G T T A C T T C	C T A G T T G A T C	T T G A G C T T A T
<i>P.tabacum</i>	T A T A T C A G A G	A T C A G A G T A G	A T G T T A C T T C	T T A G T T G A T C	T T G A A C T C A T
<i>P.villosissima</i>	T A T A T C A G A G	A T C A G A G T A G	A T G T T A C T T C	T T A G T T G A T C	T T G A A C T C A T

	3360	3370	
<i>P.eburnea</i>	T T C A C G G A A A	T C A G A T C A A T	A A
<i>P.fimbrisepala</i>	T T C A C G G A A A	T C A G A T C A A T	A A
<i>P.heterotricha</i>	T T C A C G G A A A	T C A G A T C A A T	A A
<i>P.huaijiensis</i>	T T C A C G G A A A	T C A G A T C A A T	A A
<i>P.lutea</i>	T T C A C G G A A A	T C A G A T C A A T	A A
<i>P.pteropoda</i>	T T C A C G G A A A	T C A G A T C A A T	A A
<i>P.sinensis</i>	T T C A C G G A A A	T C A G A T C A A T	A A
<i>P.swinglei</i>	T T C G C G G A A A	T C A G A T C A A T	A A
<i>P.tabacum</i>	T T C A C G G A A A	T C A G T T C A A T	A A
<i>P.villosissima</i>	T T C A C G G A A A	T C A G A T C A A T	A A