Table S2: Posterior probabilities for each species according to the bGMYC analyses on the different loci and the bPTP analysis on the tree resulted

	LI	ITS	EFT2.1	2.1	rsn	Ω	IGS3	53	IGS	IGS16	bPTP all loci	ull loci
species	No. taxa	support value	No. taxa	support value	No. taxa	support	No. taxa	support	No. taxa	support	No. taxa	support
P. neopolydactyla 4	10	0.49	6	0.45	6	(0.11)	10	0.51	rO	0.41	10	0.5
P. neopolydactyla 5	8	0.86	2	0.87	8	0.67	1	0.88	1	0.91	_	\
P. neopolydactyla 6	23	0.95	0	_	2	0.84	73	0.92	21	6.0	21	0.52
P. neopolydactyla 7	1	0.97	1	0.93	1	0.87	1	0.95	1	0.92	1	1
P. scabrosa 1	z,	0.89	4	0.31	ю	9.0	4	0.48	4	0.7	rO	0.98
P. scabrosa 2	9	0.5	ю	0.42	ю	0.3	4	0.34	4	0.46	9	0.87
P. scabrosa 3a	8	0.88	2	89.0	7	0.58	61	0.65	61	0.48	_	\
P. scabrosa 3b			1	8.0	1	.62.0	П	29.0	1	0.5	1	1
P. scabrosa 4	ဧ	0.87	2	0.59	က	0.51	21	0.88	0	\	က	0.81
P. melanorrhiza	21	0.93	2	0.86	2	0.92	1	0.99	1	0.99	61	0.89

ctyla 3 No. support taxa No. support taxa value ctyla 3 1 0.86 1 0.34 a 1 0.83 1 0.75 a 1 0.83 1 0.75 a 7 0.6 3 0.63 is 7 0.6 3 0.42 is 7 0.51 2 0.45 is 7 0.51 2 0.45 is 7 0.51 2 0.45 is 7 0.46 2 0.45 is 7 0.48 6 0.28 is 1 0.39 2 0.28 is 1 0.39 2 0.28 is 1 0.39 2 0.28 is 8 0.37 2 0.28 is 8 0.27 2 0.33 ctyla 2c 2 0.24 2 0.33 iza 8 0.14 3 3		I	ITS	g-tn	ß-tubulin	JI	IGS1	JI	IGS3	IGS	IGS16	q	bPTP all loci	
ctyla 3 1 0.86 1 0.34 a 1 0.83 1 0.75 a ctyla 1b 1 0.6 3 0.42 is 7 0.6 3 0.42 is 7 0.51 5 0.49 is 7 0.51 5 0.45 is 7 0.51 5 0.47 is 7 0.51 5 0.47 is 7 0.51 5 0.45 is 7 0.48 6 0.29 is 1 0.39 2 0.47 s 1 0.39 2 0.45 s 0.38 2 0.29 ctyla 1 0.29 0.24 ctyla 2 0.24 0.23 ctyla 2 0.22 0.33 ctyla 3 0.14 3 0.46 ctyla 4 0.2 0.2 0.45 5 0.14 0.2 0.4<	species	No. taxa	support	No. taxa	support	No. taxa	support	No. taxa	support	No. taxa	support	No. taxa	support value ML tree	support value 50% bayes
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	P. neopolydactyla 3	1	0.86	1	0.34	1	0.47	1	0.19	1	0.58	1	1	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	P. sp. 12	1	0.83	1	0.75	1	0.53	П	0.84	1	89.0	1	1	П
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	P. sp. 6	က	0.76	က	0.63	က	0.74	3	0.62	2	0.56	က	0.81	0.51
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	P. sp. 7a	7	9.0	က	0.42	7	8.0	9	0.52	-1	8.0			0.53
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	P. sp. 7b			2	0.49							က	92.0	0.52
$tyla \ 1b \qquad 1 \qquad 0.57$ $tyla \ 3 \qquad 2 \qquad 0.51 \qquad 5 \qquad 0.45$ $tyla \ 3 \qquad 0.58 \qquad 2 \qquad 0.28$ $tyla \ 1 \qquad 0.39 \qquad 2 \qquad 0.25$ $s \qquad 1 \qquad 0.38 \qquad 2 \qquad 0.29$ $(with-cyla \ 1 \qquad 9 \qquad 0.37 \qquad 1 \qquad 0.01$ $ctyla \ 2a \qquad 6 \qquad 0.24 \qquad 0.33$ $ctyla \ 2a \qquad 6 \qquad 0.24 \qquad 0.33$ $ctyla \ 2a \qquad 6 \qquad 0.24 \qquad 0.3$ $tyla \ 2a \qquad 6 \qquad 0.24 \qquad 0.3$ $tyla \ 2a \qquad 6 \qquad 0.24 \qquad 0.3$ $tyla \ 2a \qquad 6 \qquad 0.24 \qquad 0.3$ $tyla \ 2a \qquad 0.18 \qquad 8 \qquad 0.46$ $tyla \ 2a \qquad 6 \qquad 0.14 \qquad 0.2$ $tyla \ 2a \qquad 6 \qquad 0.14 \qquad 0.3$	$P.\ scabrosella$			2	0.42							61	2.0	0.84
tas 3	P. neopolydactyla 1b	1	0.57			1	0.43					1	0.99	86.0
$ta \ 3 \ bar{1} \ bar{2} \ bar{3} \ bar{4} \ bar{2} \ bar{4} \ bar{2} \ bar{4} \ b$	P. occidentalis	7	0.51	ъ	0.45	4	0.33	4	0.32	4	0.3			
$ta \ 1 \qquad 6 \qquad 0.48 \qquad 6 \qquad 0.28$ $s \qquad 1 \qquad 0.39 \qquad 2 \qquad 0.25$ $s \qquad 1 \qquad 0.39 \qquad 2 \qquad 0.25$ $ctyla \ 1 \qquad 9 \qquad 0.37 \qquad P9907)$ $t \qquad 8 \qquad 0.33 \qquad 4 \qquad (0.23)$ $ctyla \ 2a \qquad 6 \qquad 0.24 \qquad 2 \qquad 0.33$ $ctyla \ 2b \qquad 0.2 \qquad 0.27 \qquad 2 \qquad 0.33$ $ctyla \ 2a \qquad 6 \qquad 0.24 \qquad 0.2$ $ctyla \ 2b \qquad 0.2 \qquad 0.3$ $ctyla \ 2b \qquad 0.2 \qquad 0.46$ $ctyla \ 2b \qquad 0.18 \qquad 8 \qquad 0.46$ $ctyla \ 2b \qquad 0.14 \qquad 0.2$ $ctyla \ 2b \qquad 0.14 \qquad 0.2$ $ctyla \ 2b \qquad 0.14 \qquad 0.2$ $ctyla \ 2b \qquad 0.14 \qquad 0.46$ $ctyla \ 2b \qquad 0.14 \qquad 0.46$	pulverulenta	2	0.5	2	0.47	2	0.54	2	0.35			2	0.65	0.62
$ctyla \ 2 & 0.46 & 2 & 0.25 \\ 3 & 0.38 & 2 & 0.29 \\ (with-ctyla \ 1 & 9 & 0.37 & & \\ & & & & & & \\ & & & & & & \\ & & & & & \\ & & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & & \\$	P. pulverulenta 1	9	0.48	9	0.28	\		3	0.34	65	0.56	9	0.75	\
$ctyla \ 1 \qquad 0.39 \qquad 2 \qquad 0.29 \qquad (with-ctyla \ 1 \qquad 9 \qquad 0.37 \qquad 4 \qquad (0.23)$ $ctyla \ 2a \qquad 6 \qquad 0.24 \qquad 2 \qquad 0.33 \qquad ctyla \ 2b \qquad 0.2 \qquad 0.27 \qquad 2 \qquad 0.33 \qquad ctyla \ 2c \qquad 0.2 \qquad 0.2 \qquad 0.24 \qquad 0.2 \qquad 0$	P. pulverulenta 2	2	0.46	2	0.25	2	0.45	2	0.36	2	0.55	2	0.64	0.63
tryla 1 9 0.38 2 (with-out P907) ctyla 1 9 0.37 4 (with-out P907) t 8 0.33 4 (0.23) t 1 0.27 2 0.33 ctyla 2a 6 0.24 2 0.33 ctyla 2b 2 0.27 ctyla 2b 2 0.24 t a 0.2 7 2 0.33 ctyla 2b 0.2 4 0.2 7 tryla 2b 1 0.2 7 tryla 2b 2 0.2 4 0.2 7 tryla 2b 1 0.2 7 tryla 2b 2 0.2 4 0.2 7 tryla 2b 1 0.2 7 tryla 2b 2 0.2 4 0.3 8 tryla 2b 1 0.2 7 tryla 2b 2 0.4 6 tryla 2b 1 0.2 7 tryla 2b	P. hawaiensis	1	0.39			0	\							86.0
ctyla 1 9 0.37 P907) 2 0.33 4 (0.23) 2 0.27 2 0.33 ctyla 2a 6 0.24 ctyla 2b 4 0.2 ctyla 2b 4 0.2 // // / 2 0.4 cza 2 // / / 2 0.4		က	0.38	61	0.29 (with-	7	0.42 (with-	2	0.28 (with-	2 (with- out	0.59			0.88 (with-
tylia 1 9 0.37 a 8 0.33 b 9 0.33 ctylia 2a 6 0.24 ctylia 2b 2 0.27 ctylia 2b 2 0.24 ctylia 2b 4 0.2 ctylia 2b 4 0.2 ctylia 2b 7 0.28 ctylia 2b 7 0.46					out P907)		out P907)		out P907)	P907)				out P907)
the characteristic of	P. neopolydactyla 1	6	0.37			9+1	0.32 with P325					6 (with- out 640 645- 1252)	0.52	0.39
th 8 0.33 1 0.29 1 0.27 2 0.27 2 0.27 2 0.27 2 0.23 ctyla 2a 6 0.24 ctyla 2c ctyla 2b 2 0.22 ctyla 2b 4 0.2 ctyla 2b 4 0.2 iza 8 0.18 8 0.46 / / / // / 2 0.4	sb.	4	0.33	4	(0.23)	0	\			က	8.0	4	0.36 with hawaien- sis	0.64
tryla 2a	P. truculenta	∞	0.33			ю	(0.15)							
ctyla 2a 6 0.27 2 0.33 ctyla 2a 6 0.24 2 0.33 ctyla 2c 0.22 ctyla 2b 4 0.2 ctyla 2b 4 0.2 iza 2 0.14 / / / iza 2 / / / 2 0.46	P. sp. 5	1	0.29			0						1	0.75	1
ctyla 2a 6 0.27 2 0.33 ctyla 2c 0.24 iza b 2 0.22 ctyla 2b 4 0.2 iza 2 0.14 / / / iza 2 / / / 2 0.46	P. sp. 4	1	0.27			0						1	0.94	1
ctyla 2a 6 0.24 ctyla 2c 0.22 ctyla 2b 4 0.2 iza 8 0.18 8 0.46 / / / iza 2 / / / 2 0.4	P. pacifica	2	0.27	2	0.33	1	0.47			2	0.35	61	0.88	0.82
ctyla 2c iza b ctyla 2b 4 0.2 iza b 2 0.18 8 0.46 2 0.14 / / / / / / / / / / / / /	P. neopolydactyla 2a	9	0.24			4	0.69							0.38
iza b 2 0.22 ctyla 2b 4 0.2 iza 8 0.18 8 0.46 2 0.14 / / iza 2 / / / 2 0.4	P. neopolydactyla 2c					0	\			2	0.54	က	0.43	
ctyla 2b 4 0.2 iza 8 0.18 8 0.46 2 0.14 / / / iza 2 / / / 2 0.4	P. dolichorhiza b	2	0.22			\								
iza 8 0.18 8 0.46 2 0.14 / / / iza 2 / / 2 0.4	P. neopolydactyla 2b	4	0.2			2	0.38							
2 0.14 / / // / // / // / 2	P. dolichorhiza	œ	0.18	œ	0.46	9	0.19	7	0.41			∞	0.62	0.62
;za 2 / / 2	P. sp. 2b	2	0.14			2	0.57	2	0.38	2	99.0	2	0.51	0.89
	P. hymenina	_	_			4	0.27			က	0.72	7 (but without P1229)	0.47	0.29
iza 2 / / 2	P. sp. 1	\	\			\				2	0.45	1	0.54	0.56
P1202 alone	P. dolichorhiza 2	\	\	2	0.4	\		2	0.22	2	0.46	2	0.84	0.73
	P1202 alone							1	0.5				0.99	0.98
P1596 alone	P1596 alone							1	0.44				0.99	0.98