



Supplement

The following supplementary materials are available for this article: Su, Y.-L., Z.-P. Huang, P. Yang, W.-B. Xu, Y. Liu. 2022. *Primulina rufipes*, a new species of Gesneriaceae from Guangxi, China. *Taiwania* 67(1): 40-46. Doi: 10.6165/tai.2022.67.40

Table S1. Species and DNA regions sequenced for analysis, as well as GenBank accession numbers.

Taxon	ITS	<i>trnL-F</i>
<i>Primulina alutacea</i> F. Wen, B. Pan & B.M. Wang	KX549786	KX549788
<i>P. anisocymosa</i> F. Wen, X. Hong & Z.J. Qiu	MK131753	MK131752
<i>P. annamensis</i> (Pellegr.) Mich. Möller & A. Weber	MK747170	MK746269
<i>P. argentea</i> X. Hong, F. Wen & S.B. Zhou	KY394848	KY393442
<i>P. baishouensis</i> (Y.G. Wei, H.Q. Wen & S.H. Zhong) Yin Z. Wang	JX506853	JX506742
<i>P. balansae</i> (Drake) Mich. Möller & A. Weber	MK747141	MK746274
<i>P. beiliuensis</i> var. <i>beiliuensis</i> B. Pan & S.X. Huang	KY394850	KY393444
<i>P. beiliuensis</i> var. <i>fimbribracteata</i> F. Wen & B.D. Lai	KY394851	KY393445
<i>P. bicolor</i> (W.T. Wang) Mich. Möller & A. Weber	KF498116	KY393446
<i>P. bipinnatifida</i> var. <i>bipinnatifida</i> (W.T. Wang) Yin Z. Wang & J.M. Li	KY394853	JX506771
<i>P. bipinnatifida</i> var. <i>zhoui</i> (F. Wen & Z.B. Xin) W.B. Xu & K.F. Chung	MK625450	MK625698
<i>P. bobaiensis</i> Q.K. Li, B. Pan & Q. Zhang	KY394854	KY393449
<i>P. brachystigma</i> (W.T. Wang) Mich. Möller & A. Weber	MK747166	MK746225
<i>P. brachytricha</i> var. <i>brachytricha</i> (W.T. Wang & D.Y. Chen) R.B. Mao & Yin Z. Wang	KF498048	KY393450
<i>P. brachytricha</i> var. <i>magnibracteata</i> (W.T. Wang & D.Y. Chen) Mich. Möller & A. Weber	MK369979	MK369994
<i>P. brassicoides</i> (W.T. Wang) Mich. Möller & A. Weber	MK747165	MK746226
<i>P. brunnea</i> (W.T. Wang) Mich. Möller & A. Weber	MK747142	MK746275
<i>P. bullata</i> S.N. Lu & F. Wen	KF498071	KY393451
<i>P. cardaminifolia</i> Yan Liu & W.B. Xu	MK747131	MK746255
<i>P. carinata</i> Y.G. Wei, F. Wen & H.Z. Lü	KY394858	KY393452
<i>P. carnosifolia</i> (C.Y. Wu ex H.W. Li) Yin Z. Wang	MK747124	MK746268
<i>P. chingipengii</i> W.B. Xu & K.F. Chung	MH032852	MH032843
<i>P. chizhouensis</i> Xin Hong, S.B. Zhou & F. Wen	KF498108	KY393455
<i>P. colaniae</i> (Pellegr.) Mich. Möller & A. Weber	MK747167	MK746224
<i>P. confertiflora</i> (W.T. Wang) Mich. Möller & A. Weber	MK747101	KC190202
<i>P. cordata</i> Mich. Möller & A. Weber	KC190200	KC190207
<i>P. cordifolia</i> (D. Fang & W.T. Wang) Yin Z. Wang	JX506884	JX506776
<i>P. cordistigma</i> F. Wen, B.D. Lai & B.M. Wang	MK747118	MK746251
<i>P. crassirhizoma</i> F. Wen, Bo Zhao & Xin Hong	KY394864	KY393458
<i>P. crassituba</i> (W.T. Wang) Mich. Möller & A. Weber	MK747147	MK746230
<i>P. curvituba</i> B. Pan, L.H. Yang & M. Kang	MK747137	MK746242
<i>P. danxiaensis</i> (W.B. Liao, S.S. Lin & R.J. Shen) W.B. Liao & K.F. Chung	KF498050	JX506780
<i>P. debaoensis</i> N. Jiang & Hong Li	KY394868	MK746228
<i>P. depressa</i> (Hook. f.) Mich. Möller & A. Weber	KF498149	KY786304
<i>P. dichroantha</i> F. Wen, Y.G. Wei & S.B. Zhou	MK369971	MK369986
<i>P. diffusa</i> Xin Hong, F. Wen & S.B. Zhou	KY394871	KY393465
<i>P. dongguanica</i> F. Wen, Y.G. Wei & R.Q. Luo	KY394872	KY393466
<i>P. drakei</i> (B.L. Burtt) Mich. Möller & A. Weber	MK747164	MK746229
<i>P. dryas</i> (Dunn) Mich. Möller & A. Weber	KY394876	JX195746
<i>P. duanensis</i> F. Wen & S.L. Huang	KY394877	KY393471
<i>P. eburnea</i> (Hance) Yin Z. Wang	MG727887	KY786305
<i>P. effusa</i> F. Wen & B. Pan	MK369976	MK369991
<i>P. fengkaiensis</i> Z.L. Ning & M. Kang	MK369975	MK369990
<i>P. fengshanensis</i> F. Wen & Yue Wang	MK369970	MK369985
<i>P. fimbrisepala</i> var. <i>fimbrisepala</i> (Hand.-Mazz.) Yin Z. Wang	MG727880	JX506784
<i>P. fimbrisepala</i> var. <i>mollis</i> (W.T. Wang) Mich. Möller & A. Weber	KY394884	JX506787
<i>P. flavimaculata</i> (W.T. Wang) Mich. Möller & A. Weber	MK369974	MK369989
<i>P. floribunda</i> (W.T. Wang) Mich. Möller & A. Weber	KY394886	KY393480
<i>P. fordii</i> var. <i>dolichotricha</i> (W.T. Wang) Mich. Möller & A. Weber	MK747125	MK746247



<i>P. fordii</i> var. <i>fordii</i> (Hemsl.) Yin Z. Wang	MK369981	MK369996
<i>P. gemella</i> (D. Wood) Yin Z. Wang	MK747146	MK746254
<i>P. glabrescens</i> (W.T. Wang & D.Y. Chen) Mich. Möller & A. Weber	MK747132	MK746278
<i>P. glandaceistriata</i> X.X. Zhu, F. Wen & H. Sun	MK747114	MK746256
<i>P. glandulosa</i> (D. Fang, L. Zeng & D.H. Qin) Yin Z. Wang	KF498087	JX506789
<i>P. gongchengensis</i> Y.S. Huang & Yan Liu	KY394889	KY393483
<i>P. grandibracteata</i> (J.M. Li & Mich. Möller) Mich. Möller & A. Weber	MK747121	MK746266
<i>P. gueilinensis</i> (W.T. Wang) Yin Z. Wang & Yan Liu	JX506860	JX506749
<i>P. guigangensis</i> L. Wu & Qiang Zhang	KY394892	KY393486
<i>P. guihaiensis</i> (Y.G. Wei, B. Pan & W.X. Tang) Mich. Möller & A. Weber	KY394893	JX506793
<i>P. guizhongensis</i> Bo Zhao, B. Pan & F. Wen	KY394894	KY393488
<i>P. halongensis</i> (Kiew & T.H. Nguyễn) Mich. Möller & A. Weber	KY394896	MK746259
<i>P. hedyotidea</i> (Chun) Yin Z. Wang	KY394897	KR476535
<i>P. heterochroa</i> F. Wen & B.D. Lai	KY394898	KY393492
<i>P. heterotricha</i> (Merr.) Y. Dong & Yin Z. Wang	MW165405	KP743574
<i>P. hezhouensis</i> (W.H. Wu & W.B. Xu) W.B. Xu & K.F. Chung	JX506906	JX506798
<i>P. hiepii</i> (Kiew) Mich. Möller & A. Weber	MK747144	-
<i>P. hochiensis</i> var. <i>hochiensis</i> (C.C. Huang & X.X. Chen) Mich. Möller & A. Weber	MH344011	KU528883
<i>P. hochiensis</i> var. <i>rosulata</i> F. Wen & Y.G. Wei	KU528875	KU528885
<i>P. huaijiensis</i> Z.L. Ning & J. Wang	KF498127	KY393495
<i>P. huangii</i> F. Wen & Z.B. Xin	MK625449	MK625697
<i>P. hunanensis</i> K.M. Liu & X.Z. Cai	MK747152	KU220608
<i>P. jiangyongensis</i> X.L. Yu & Ming Li	KY394902	KY393496
<i>P. jingxiensis</i> (Yan Liu, W.B. Xu & H.S. Gao) W.B. Xu & K.F. Chung	KY394903	JX506799
<i>P. jiuwanshanica</i> (W.T. Wang) Yin Z. Wang	MK747116	MK746260
<i>P. juliae</i> (Hance) Mich. Möller & A. Weber	KF498107	MG727873
<i>P. langshanica</i> (W.T. Wang) Yin Z. Wang	KF498109	KY393501
<i>P. latinervis</i> (W.T. Wang) Mich. Möller & A. Weber	KF498148	KY393502
<i>P. laxiflora</i> (W.T. Wang) Yin Z. Wang	KF498079	JX506801
<i>P. lechangensis</i> X. Hong, F. Wen & S.B. Zhou	KY394910	KY393504
<i>P. leei</i> (F. Wen, Yue Wang & Q.X. Zhang) Mich. Möller & A. Weber	KY394911	MK369998
<i>P. leiophylla</i> (W.T. Wang) Yin Z. Wang	KF498072	KY393506
<i>P. lepingensis</i> Z.L. Ning & Ming Kang	KY394913	KY393507
<i>P. leprosa</i> (Yan Liu & W.B. Xu) W.B. Xu & K.F. Chung	KF498081	JX506768
<i>P. lianchengensis</i> B.J. Ye & S.P. Chen	MN011952	-
<i>P. lianpingensis</i> L.H. Yang, H.H. Kong & M. Kang	MH343941	-
<i>P. liboensis</i> (W.T. Wang & D.Y. Chen) Mich. Möller & A. Weber	JX506911	JX506803
<i>P. liguliformis</i> (W.T. Wang) Mich. Möller & A. Weber	KF498132	JX506804
<i>P. lijiangensis</i> (B. Pan & W.B. Xu) W.B. Xu & K.F. Chung	KF498112	KY393513
<i>P. linearicalyx</i> F. Wen, B.D. Lai & Y.G. Wei	KF498091	KY393514
<i>P. linearifolia</i> (W.T. Wang) Yin Z. Wang	DQ872834	JX506805
<i>P. linglingensis</i> var. <i>fragrans</i> F. Wen, Y.Z. Ge & B. Pan	MK747157	MK746285
<i>P. linglingensis</i> var. <i>linglingensis</i> (W.T. Wang) Mich. Möller & A. Weber	KY394923	MK369995
<i>P. liujiangensis</i> (D. Fang & D.H. Qin) Yan Liu	KY394924	KY393518
<i>P. lobulata</i> (W.T. Wang) Mich. Möller & A. Weber	KY394925	JX506807
<i>P. longicalyx</i> (J.M. Li & Yin Z. Wang) Mich. Möller & A. Weber	KF498131	KY393521
<i>P. longii</i> (Z.Y. Li) Z.Y. Li	KY394928	JX506809
<i>P. longzhouensis</i> (B. Pan & W.H. Wu) W.B. Xu & K.F. Chung	MK747139	JX506811
<i>P. lunglinensis</i> var. <i>amblyosepala</i> (W.T. Wang) Mich. Möller & A. Weber	MK747105	MK746281
<i>P. lunglinensis</i> var. <i>lunglinensis</i> (W.T. Wang) Mich. Möller & A. Weber	KY394930	KY393524
<i>P. lungzhouensis</i> (W.T. Wang) Mich. Möller & A. Weber	KY394931	KY393525
<i>P. luochengensis</i> (Yan Liu & W.B. Xu) Mich. Möller & A. Weber	KF498077	JX506812
<i>P. lutea</i> (Yan Liu & Y.G. Wei) Mich. Möller & A. Weber	JX506921	KP743604
<i>P. lutescens</i> B. Pan & H.S. Ma	MK369977	MK369992
<i>P. lutvittata</i> F. Wen & Y.G. Wei	KY394935	MK369993
<i>P. luzhaiensis</i> (Yan Liu, Y.S. Huang & W.B. Xu) Mich. Möller & A. Weber	KY394936	KC190204
<i>P. mabaensis</i> K.F. Chung & W.B. Xu	KY394937	KY786306
<i>P. macrodonta</i> (D. Fang & D.H. Qin) Mich. Möller & A. Weber	KY394938	JX506816



<i>P. macrorhiza</i> (D. Fang & D.H. Qin) Mich. Möller & A. Weber	KY394939	MK370000
<i>P. maculata</i> W.B. Xu & J. Guo	KU220604	KU220609
<i>P. maguanensis</i> (Z. Yu Li, H. Jiang & H. Xu) Mich. Möller & A. Weber	MK747127	MK746267
<i>P. malipoensis</i> L.H. Yang & M. Kang	MK747123	MK746240
<i>P. medica</i> (D. Fang ex W.T. Wang) Yin Z. Wang	MH344033	JX506753
<i>P. melanofilamenta</i> Y. Liu & F. Wen	MK747158	MK746277
<i>P. minor</i> F. Wen & Y.G. Wei	MK747160	MK746290
<i>P. minutimaculata</i> (D. Fang & W.T. Wang) Yin Z. Wang	KY394941	KP954427
<i>P. moi</i> F. Wen & Y.G. Wei	KF498115	KY393536
<i>P. mollifolia</i> (D. Fang & W.T. Wang) J.M. Li & Yin Z. Wang	KY394945	JX506755
<i>P. multifida</i> B. Pan & K.F. Chung	KY394946	JX506819
<i>P. nandanensis</i> (S.X. Huang, Y.G. Wei & W.H. Luo) Mich. Möller & A. Weber	JX506929	JX506820
<i>P. napoensis</i> (Z. Yu Li) Mich. Möller & A. Weber	JX506930	JX506821
<i>P. ningmingensis</i> (Yan Liu & W.H. Wu) W.B. Xu & K.F. Chung	JX506931	JX506822
<i>P. obtusidentata</i> (W.T. Wang) Mich. Möller & A. Weber	KF498096	-
<i>P. ophiopogoides</i> (D. Fang & W.T. Wang) Yin Z. Wang	KF498062	KY393545
<i>P. orthandra</i> (W.T. Wang) Mich. Möller & A. Weber	KF498147	MK746286
<i>P. parvifolia</i> (W.T. Wang) Yin Z. Wang & J.M. Li	KF498057	KY393546
<i>P. pengii</i> W.B. Xu & K.F. Chung	MK747154	KU220610
<i>P. petrocosomeoides</i> B. Pan & F. Wen	MK369972	MK369987
<i>P. pinnata</i> (W.T. Wang) Yin Z. Wang	MK747115	JX506757
<i>P. pinnatifida</i> (Hand.-Mazz.) Yin Z. Wang	JX506868	JX506758
<i>P. polycephala</i> (Chun) Mich. Möller & A. Weber	JX506932	KY786308
<i>P. porphyrea</i> X.L. Yu & Ming Li	KU173793	KU173799
<i>P. pseudoeburnea</i> (D. Fang & W.T. Wang) Mich. Möller & A. Weber	KF498060	KY393552
<i>P. pseudoglandulosa</i> W.B. Xu & K.F. Chung	KY394888	KY393482
<i>P. pseudoheterotricha</i> (T.J. Zhou, B. Pan & W.B. Xu) Mich. Möller & A. Weber	JX506933	MG727877
<i>P. pseudolinearifolia</i> W.B. Xu & K.F. Chung	MK747140	MK746280
<i>P. pseudomollifolia</i> W.B. Xu & Yan Liu	JQ713837	JX506825
<i>P. pseudoroseoalba</i> Jian Li, F. Wen & L.J. Yan	KY394959	KY393553
<i>P. pteropoda</i> (W.T. Wang) Yan Liu	KF498100	KY393554
<i>P. pungentisepala</i> (W.T. Wang) Mich. Möller & A. Weber	JX293174	JX293176
<i>P. purpurea</i> F. Wen, Bo Zhao & Y.G. Wei	KC185416	KC185417
<i>P. qingyuanensis</i> Z.L. Ning & Ming Kang	KF498129	KY393559
<i>P. renifolia</i> (D. Fang & D.H. Qin) J.M. Li & Yin Z. Wang	JQ713840	KU985103
<i>P. repanda</i> (W.T. Wang) Yin Z. Wang	JX506873	JX506831
<i>P. ronganensis</i> (D. Fang & Y.G. Wei) Mich. Möller & A. Weber	KF498135	JX506833
<i>P. rongshuiensis</i> (Yan Liu & Y.S. Huang) W.B. Xu & K.F. Chung	KF498088	KY393565
<i>P. roseoalba</i> (W.T. Wang) Mich. Möller & A. Weber	KF498123	KY393568
<i>P. rotundifolia</i> (Hemsl.) Mich. Möller & A. Weber	KP954420	KP954428
<i>P. rubella</i> L.H. Yang & M. Kang	KX639689	KX639691
<i>P. rubibracteata</i> Z.L. Ning & M. Kang	KU173792	KU173798
<i>P. sclerophylla</i> (W.T. Wang) Yan Liu	KF498130	JX506834
<i>P. secundiflora</i> (Chun) Mich. Möller & A. Weber	MK747119	MG727875
<i>P. shouchengensis</i> (Z. Yu Li) Z. Yu Li	KF498114	JX506835
<i>P. sichuanensis</i> (W.T. Wang) Mich. Möller & A. Weber	MK747162	MK746264
<i>P. sinovietnamica</i> W.H. Wu & Qiang Zhang	MK369973	MK369988
<i>P. spadiciformis</i> (W.T. Wang) Mich. Möller & A. Weber	MK747136	MK746283
<i>P. spinulosa</i> (D. Fang & W.T. Wang) Yin Z. Wang	KF498063	JX506839
<i>P. subrhomboidea</i> (W.T. Wang) Yin Z. Wang	KF498044	JX506840
<i>P. subulata</i> var. <i>guilinensis</i> (W.T. Wang) W.B. Xu & K.F. Chung	JX506941	JX506832
<i>P. subulata</i> var. <i>subulata</i> (W.T. Wang) Mich. Möller & A. Weber	KF498056	KY393579
<i>P. subulata</i> var. <i>yangchunensis</i> (W.T. Wang) Mich. Möller & A. Weber	MK747120	KY786314
<i>P. subulatisepala</i> (W.T. Wang) Mich. Möller & A. Weber	MK747122	MK746246
<i>P. suichuanensis</i> X.L. Yu & J.J. Zhou	KY395021	MK746261
<i>P. swinglei</i> (Merr.) Mich. Möller & A. Weber	JX506950	JX506841
<i>P. tabacum</i> Hance	GQ497202	JX506766
<i>P. tamiana</i> (B.L. Burtt) Mich. Möller & A. Weber	KU990891	KU990887



<i>P. tenuifolia</i> (W.T. Wang) Yin Z. Wang	KF498058	KY393583
<i>P. tenuituba</i> (W.T. Wang) Yin Z. Wang	KF498095	MG727876
<i>P. tiandengensis</i> (F. Wen & H. Tang) F. Wen & K.F. Chung	KF498136	KY393586
<i>P. tribracteata</i> var. <i>tribracteata</i> (W.T. Wang) Mich. Möller & A. Weber	KF498064	KY393578
<i>P. tribracteata</i> var. <i>zhuana</i> (Z.Yu Li, Q. Xing & YuanB. Li) Mich. Möller & A. Weber	JX506952	JX506843
<i>P. varicolor</i> (D. Fang & D.H. Qin) Yin Z. Wang	KF498086	KY393589
<i>P. verecunda</i> (Chun) Mich. Möller & A. Weber	KF498143	KY393590
<i>P. versicolor</i> F. Wen, B. Pan & B.M. Wang	MK747155	MK746252
<i>P. vestita</i> (D. Wood) Mich. Möller & A. Weber	MG727883	MG727874
<i>P. villosissima</i> (W.T. Wang) Mich. Möller & A. Weber	KF498145	KY393591
<i>P. weii</i> Mich. Möller & A. Weber	-	DQ872811
<i>P. wenii</i> Jian Li & L.J. Yan	MK747148	MK746284
<i>P. wentsaii</i> (D. Fang & L. Zeng) Yin Z. Wang	JX506953	JX506844
<i>P. wuae</i> F. Wen & L.F. Fu	MK747159	MK746265
<i>P. xinningensis</i> (W.T. Wang) Mich. Möller & A. Weber	KU193082	KU193088
<i>P. xiuningensis</i> (X.L. Liu & X.H. Guo) Mich. Möller & A. Weber		JX506845
<i>P. xiziae</i> F. Wen, Yue Wang & G.J. Hua	KF498122	KY393597
<i>P. yangchunensis</i> Y.L. Zheng & Y.F. Deng	KF498146	KY393598
<i>P. yangshanensis</i> W.B. Xu & B. Pan	KY395040	KY393600
<i>P. yangshuoensis</i> Y.G. Wei & F. Wen	KF498093	JX506846
<i>P. rufipes</i> Y.L. Su, P. Yang & Yan Liu	MZ605012	MZ668297
<i>P. rufipes</i> Y.L. Su, P. Yang & Yan Liu	MZ605013	MZ668297
<i>P. rufipes</i> Y.L. Su, P. Yang & Yan Liu	MZ605014	MZ668297
<i>P. yingdeensis</i> Z.L. Ning, M. Kang & X.Y. Zhuang	MH343934	KY393602
<i>P. yungfuensis</i> (W.T. Wang) Mich. Möller & A. Weber	KF498144	JX506849
Outgroup		
<i>Petrocodon coriaceifolius</i> (Y.G. Wei) Y.G. Wei & Mich. Möller	KY796058	KY796060
<i>Petrocodon dealbatus</i> Hance	KY394845	KY393439



Fig. S1. *Primulina huaijiensis* (A–C, photographed by Peng-Wei LI), *P. gongchengensis* (D–F, photographed by Yu-Song HUANG) and *P. yulinensis* (G–I, photographed by Ying QIN). A, D, G: Habit. B, E, H: Flowering inflorescences. C, F, I: Flower in side view.