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Supplementary Fig. S5. ITS tree with *Japewia gyrophorica*. GTRG model with gamma distribution was used as a model of sequence evolution. Trees were constructed using Bayesian inference run for 56,000 generations.


Evernia mesomorpha KY425542
Hypogymnia submundata AB205373
Melanelixia subargentifera KX132938
Usnea intermedia KX132920
0.99
Japewia subaurifera MH481917
Japewia subaurifera PRA-Vondrák23795 OQ717878
0.98
Japewia tornoensis MN483113
Japewia tornoensis MK812668
Japewia subaurifera JN009716
1
1
1
Japewia gyrophorica Malíček15304 OQ511311
1
Japewia gyrophorica Malíček14469 OQ717875, PRA-Palice32138 OQ717876
Japewia gyrophorica PRA-Palice32415 OQ717877
Japewia gyrophorica PRA-Palice31831 OQ717414
1
0.99
Japewia aliphatica MN547349
0.94
Japewia aliphatica MN547350
0.99
Japewia aliphatica MN547351
0.61
Japewia aliphatica NR_173885
0.98
Japewia aliphatica PRA-Vondrák25494 OQ717874
Japewia aliphatica PRA-Palice19222 MN547345

S5