

**Vondrák J., Svoboda S., Košnar J., Malíček J., Šoun J., Frolov I., Svensson M., Novotný P. & Palice Z. (2023) Martin7: a reference database of DNA barcodes for European epiphytic lichens and its taxonomic implications. – Preslia 95: 311–345.**

**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

Melanelia 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 Japewia gyrophorica Malíček15304 OQ511311

1 Japewia gyrophorica Malíček14469 OQ717875, PRA-Palice32138 OQ717876

Japewia gyrophorica PRA-Palice32415 OQ717877

Japewia gyrophorica PRA-Palice31831 OQ717414

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