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[palaeo-electronica.org/content/2024/5329-pliomys-lenki-ancient-dna](https://palaeo-electronica.org/content/2024/5329-pliomys-lenki-ancient-dna)

**APPENDIX 12.** Comparison of Bayesian Factor (BF) values using estimated marginal likelihood (MLE) values and Path Sampling (PS)/Stepping Stone sampling (SS) approaches for the calibrated dataset. Yule and Birth-Death process competing models were analyzed, being the Yule process strongly supported (following value ranges of Kass and Raftery, 1995).

Sampling	Model	log marginal likelihood	Bayes Factor (BF)	BF = 2 x (model1 - model2)
Stepping Stone (SS)	Yule	-276323.10131962	~5.274	~10.548
Stepping Stone (SS)	Birth-Death	-276328.37588108		BF support for Yule model is decisive compared to BD
Path Sampling (PS)	Yule	-276325.67091167	~3.655	~7.310
Path Sampling (PS)	Birth-Death	-276329.32642127		Strong support for Yule model compared to BD