**Additional file 4**. Marginal likelihood estimates and Bayes factor comparison of coalescent priors for *Martes flavigula*. The asterisk (\*) represents the best model selected.

|  |  |  |  |
| --- | --- | --- | --- |
| Models | Path Sampling (PS) | Stepping Stone (SS) | Bayes factor BS (BS)  |
| Homogeneous Brownian  | -3996.0586 | -3993.1567 | 5.80 |
|
| Cauchy RRW \* | -3993.9270 | -3990.4222 | 7.00 |
|
| Lognormal RRW | -4014.0200 | -4008.9265 | 10.18 |
|