Data model $\mathcal{M}_{msBayes}$ $au \sim U(0, \, 2.5 \, {\rm MGA})$ $au \sim U(0, \, 5.0 \, {\rm MGA})$ $au \sim U(0, \, 0.5 \, {\rm MGA}) \qquad au \sim U(0, \, 1.5 \, {\rm MGA})$ 200.0 B 200.0 $p(\hat{D_T} < 0.01) = 0.996$ $p(\hat{D_T} < 0.01) = 1.0$ $p(\hat{D_T} < 0.01) = 0.999$ $p(\hat{D_T} < 0.01) = 0.637$ 200.0 160.0 $M_{msBayes}$ 150.0 150.0 150.0 120.0 100.0 100.0 100.0 80.0 50.0 50.0 50.0 40.0 0.0 0.02 0.04 0.06 0.08 0.1 0.12 0.02 0.04 0.06 0.08 0.1 0.12 0.0 0.02 0.04 0.06 0.08 0.1 0.12 0.0 0.02 0.04 0.06 0.08 0.1 0.12 $p(\hat{D_T} < 0.01) = 0.626$ $p(\hat{D_T} < 0.01) = 0.914$ $p(\hat{D_T} < 0.01) = 0.235$ $p(\hat{D_T} < 0.01) = 0.004$ 25.0 8.0 60.0 20.0 2.0 MUshaped6.0 15.0 1.5 40.0 4.0 10.0 1.0 20.0 2.0 5.0 0.5 0.0 0.0 0.0 0.0 0.2 1.2 0.2 0.4 0.6 8.0 0.2 0.6 8.0 0.4 8.0 $p(\hat{D_T} < 0.01) = 0.0$ 4.0 3.0 5.0 3.0 4.0 3.0 2.0 3.0 2.0 2.0 2.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.2 8.0 1.2 8.0 1.2 0.6 0.2 0.4 0.6 0.4 0.8 0.4 0.4 1.0 $p(\hat{D_T} < 0.01) = 0.002$ $p(\hat{D_T} < 0.01) = 0.0$ 2.5 $p(\hat{D_T} < 0.01) = 0.0$ $p(\hat{D_T} < 0.01) = 0.0$ 10.0 4.0 2.5 8.0 2.0 3.0 2.0 6.0 1.5 1.5 2.0 4.0 1.0 1.0 1.0 2.0 0.5 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.4 0.5 8.0 0.4 8.0 1.2 1.2 0.2 0.3 0.4 8.0 1.6

Density

Estimated variance of divergence times, $\hat{D_T}$