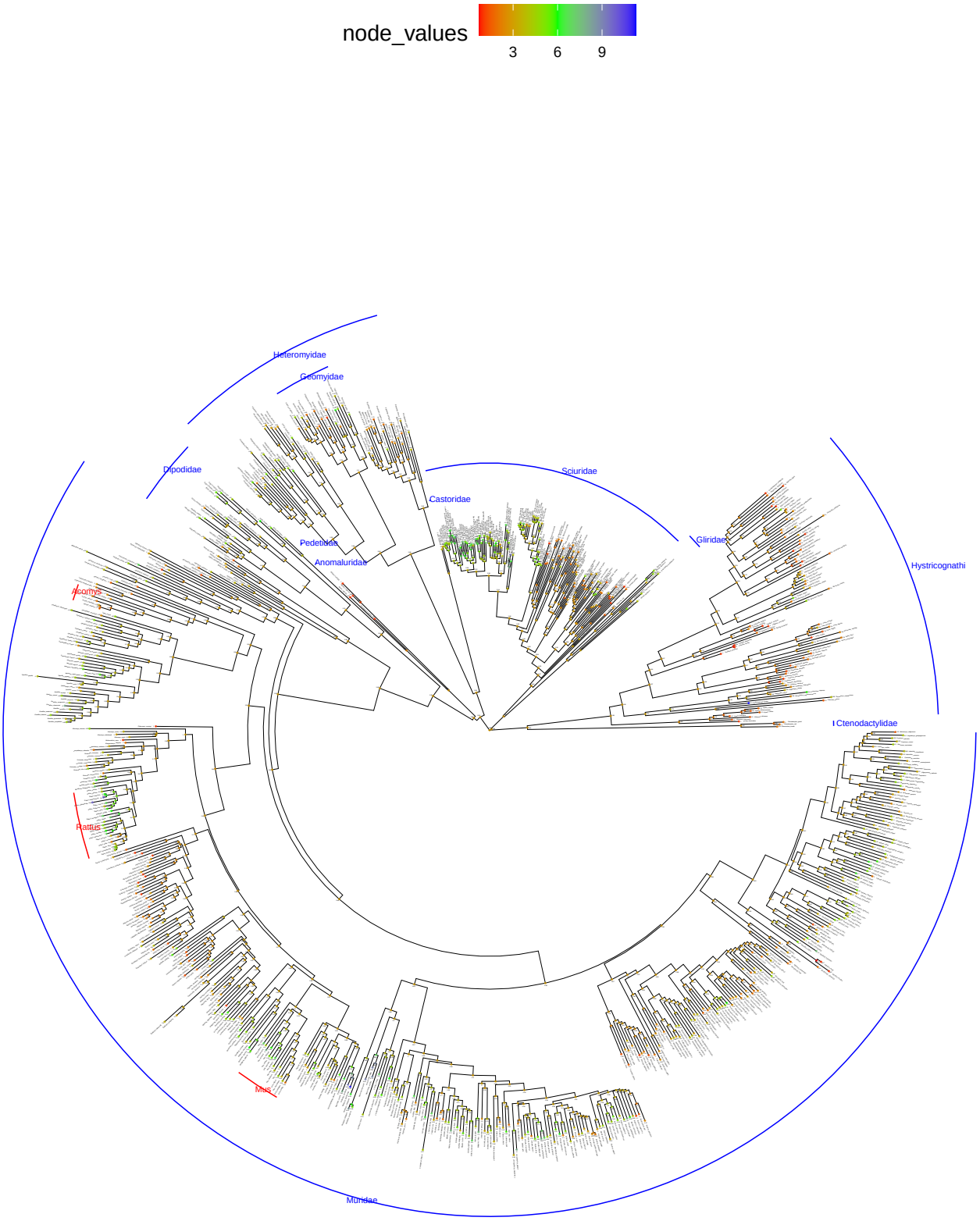
E&EB 354 - An investigation of Litter Size and Menstruation

```
## Warning in sqrt(1/out$hessian): NaNs produced
```



Metadata about REML reconstruction:

- `$sigma2` is the estimate of the Brownian Motion parameter.
- `$CI95` are the confidence intervals on the ancestral character state reconstructions.

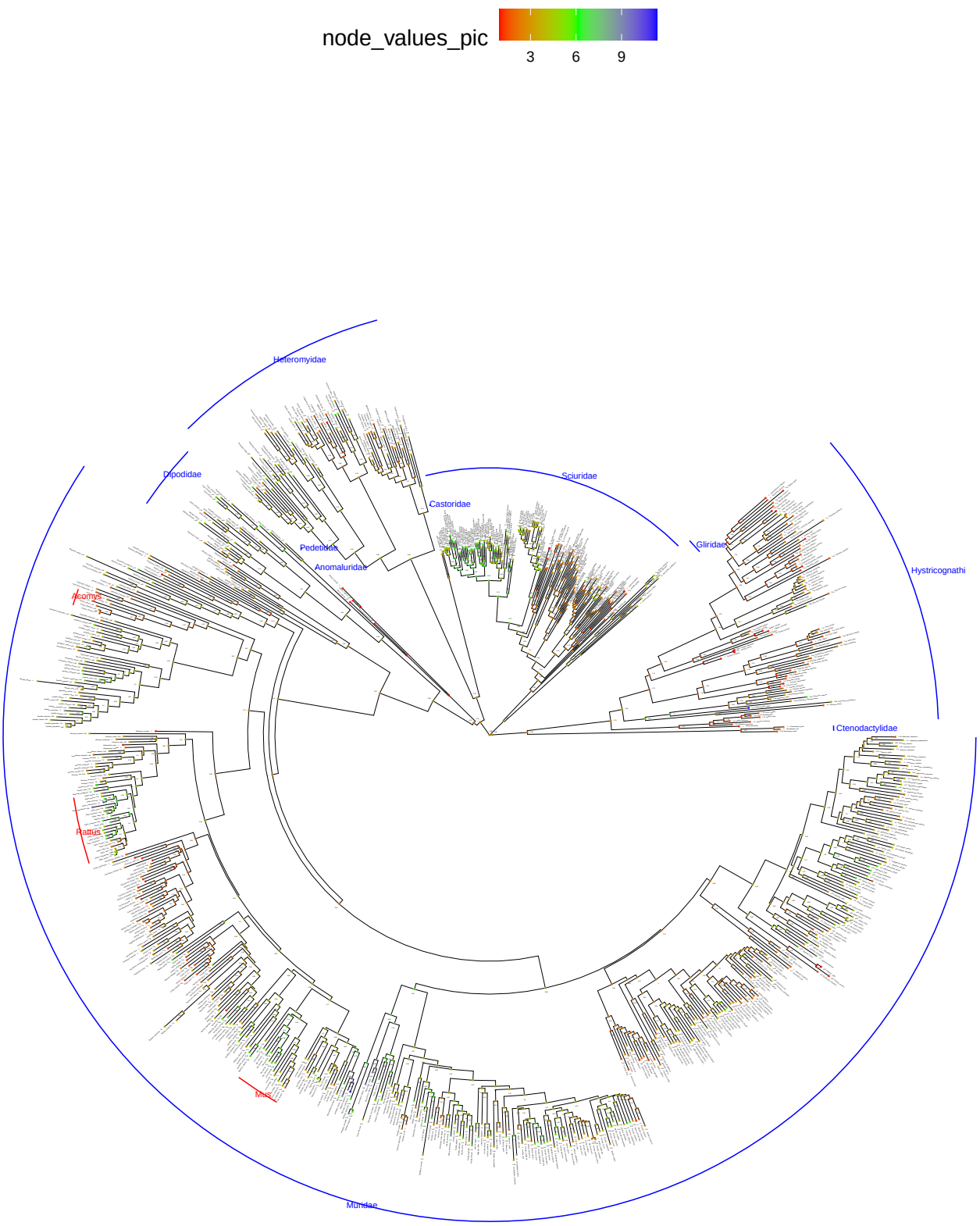
Residual log-likelihood: -5664.2874262 Sigma2: 997.3621519, NaN CI95:

```
kable(litter_ancestral$CI95[1:10, ], col.names = c('lower bound', 'upper bound'), caption = "sample REM
```

Table 1: sample REML confidence interval

	lower bound	upper bound
820	-11.170629	16.942259
821	-11.075762	16.847165
822	-14.542507	20.307337
823	-11.577820	17.328727
824	-10.482808	16.261825
825	-9.168933	14.914383
826	-9.050760	14.727896
827	-7.636693	11.102322
828	-1.464976	3.070575
829	-9.671487	15.420109

Ancestral Reconstruction using Phylogenetic Independent Contrast



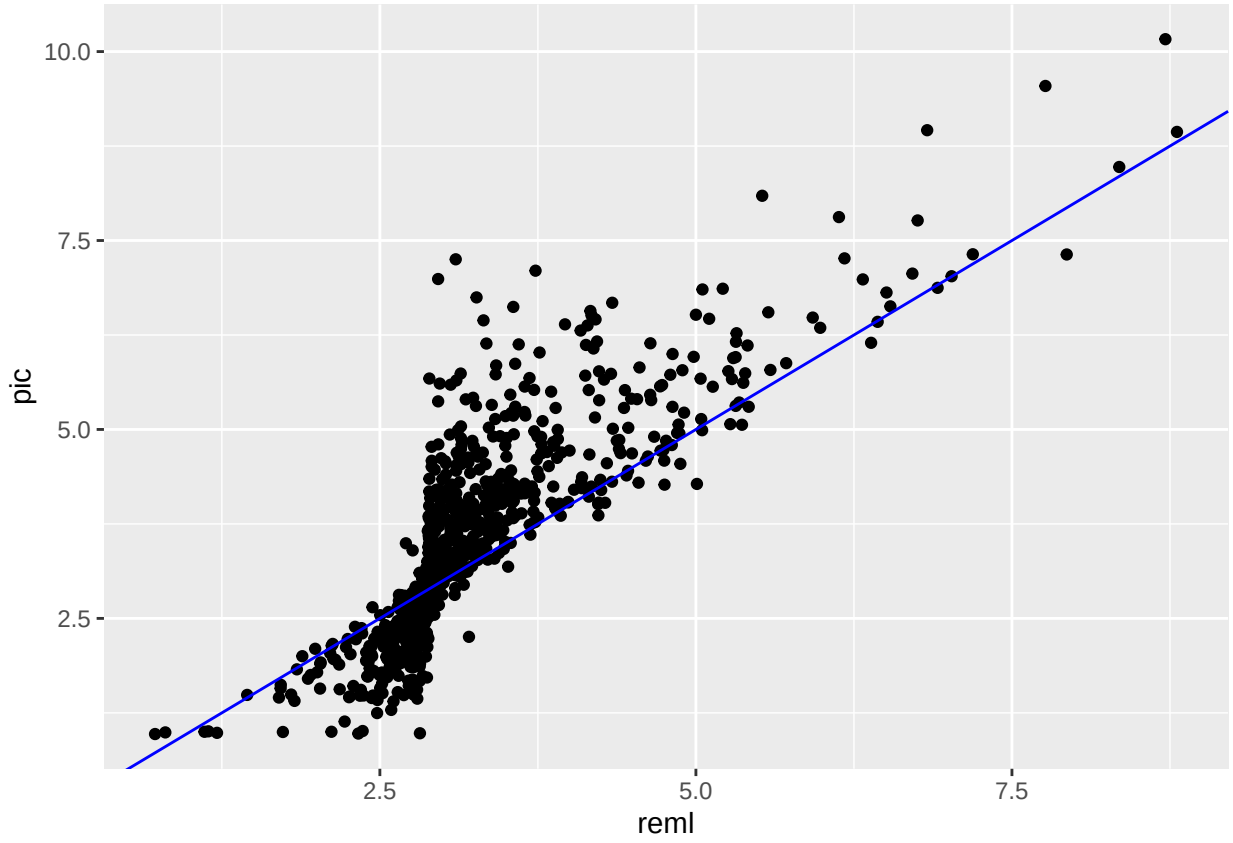
Metadata about PIC reconstruction:

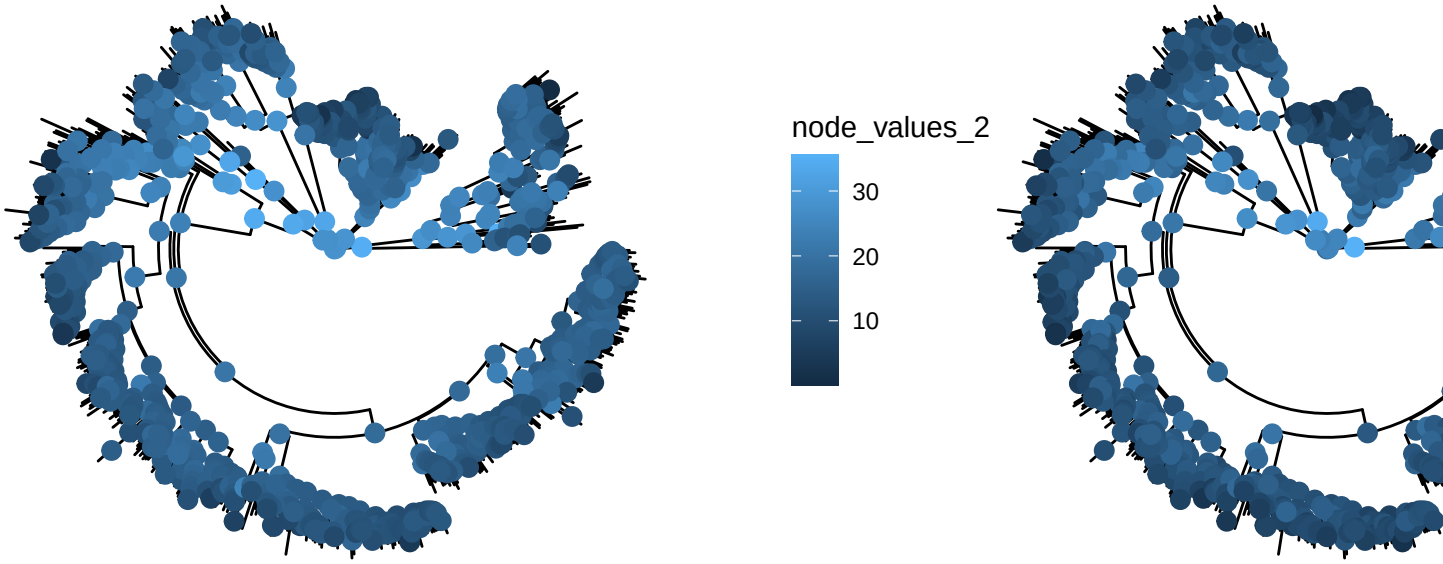
Residual log-likelihood:
Sigma2: CI95:

```
kable(litter_ancestral_pic$CI95[1:10, ], col.names = c('lower bound', 'upper bound'), caption = "sample
```

Table 2: sample PIC confidence interval

	lower bound	upper bound
820	2.0001156	3.771613
821	1.8748948	4.297813
822	0.8110138	4.270835
823	1.7176718	3.872031
824	2.4806467	4.499565
825	0.7682447	2.667815
826	0.7397868	2.736672
827	0.3333333	1.660659
828	0.8454750	1.137609
829	1.1800702	3.378577

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30
20
10