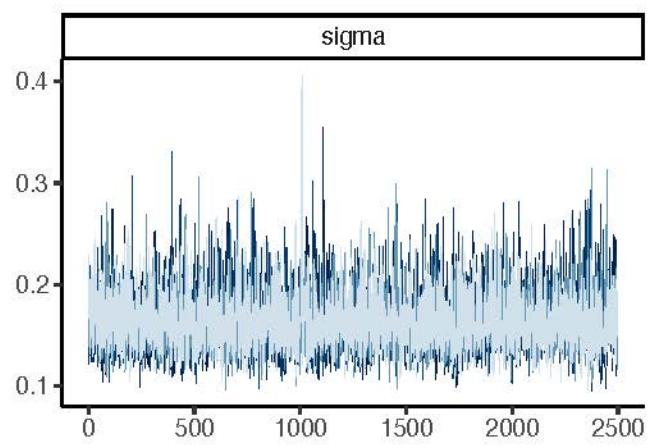
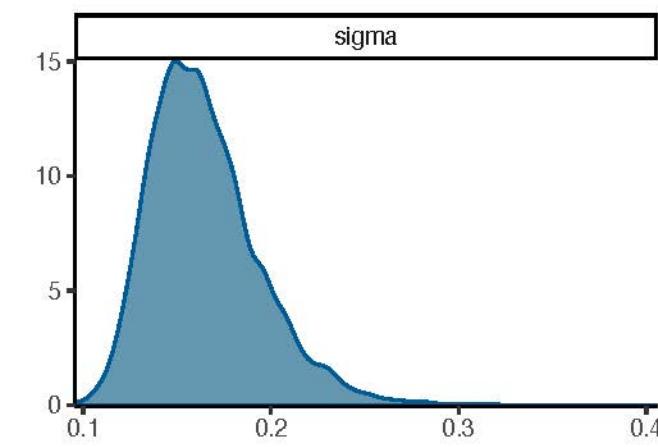
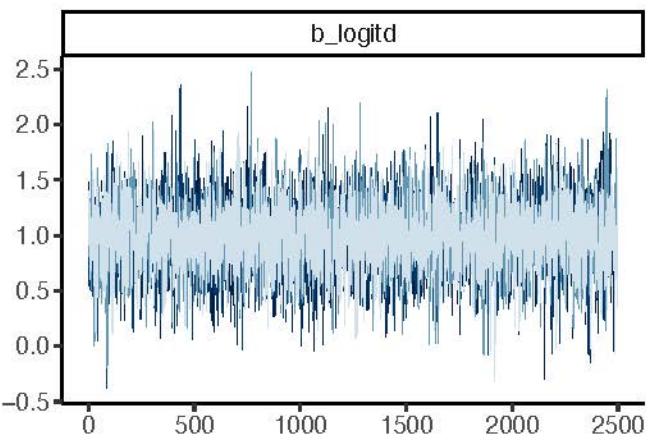
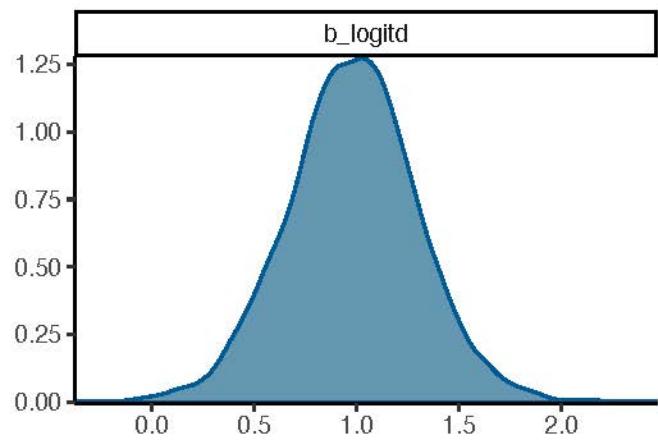
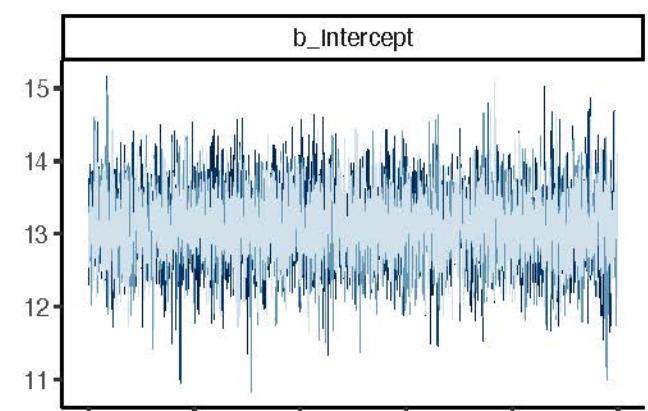
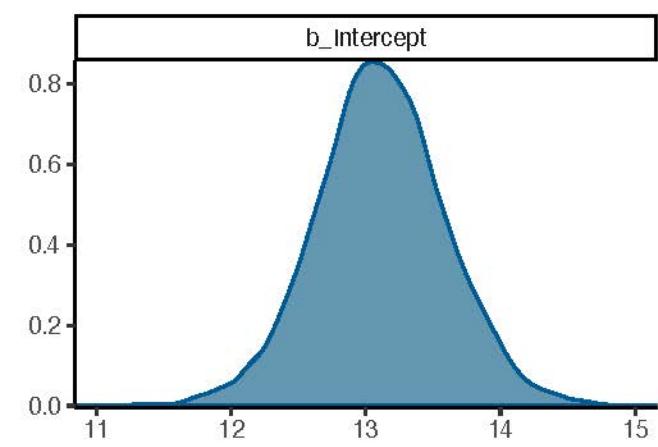
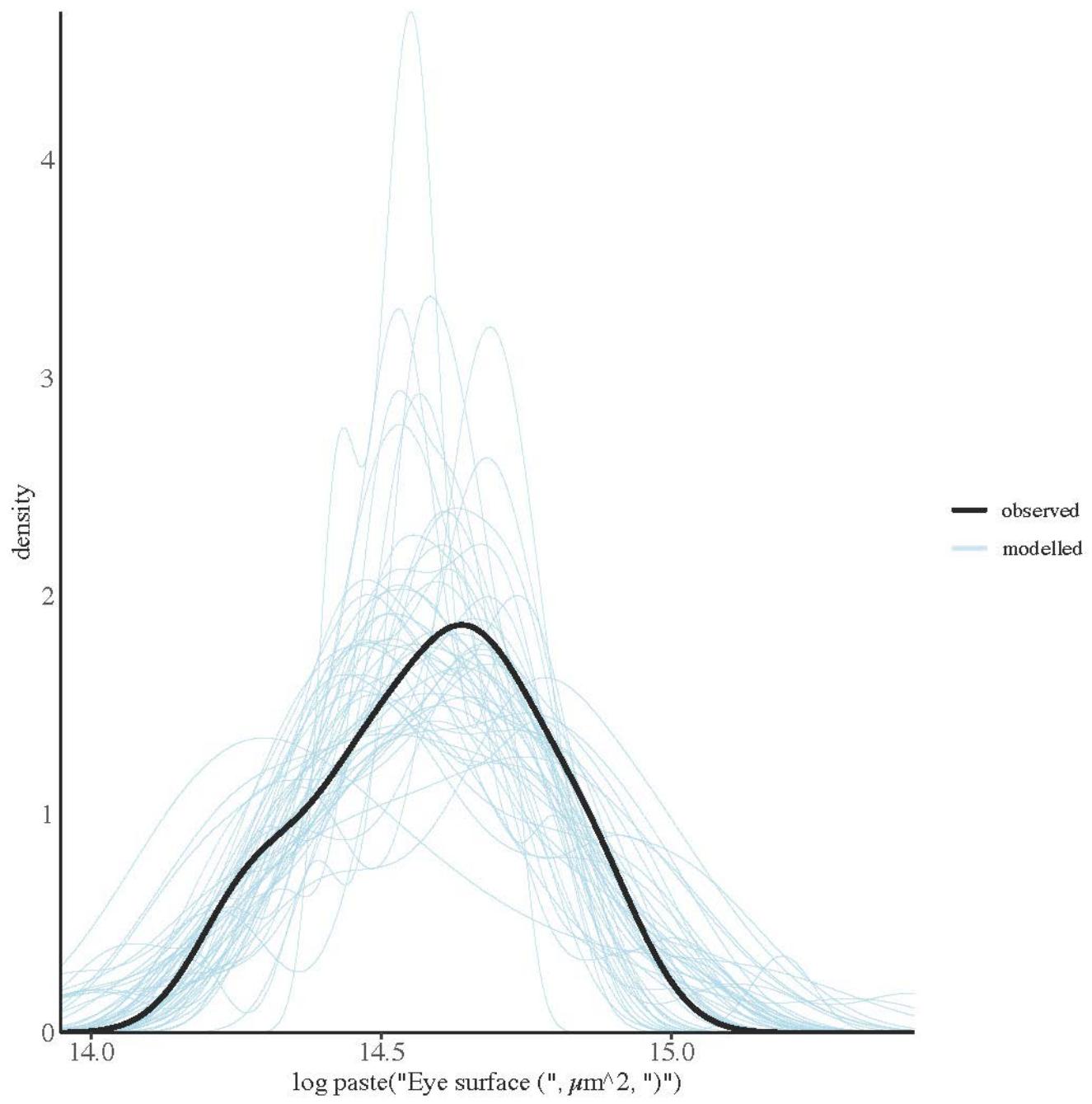


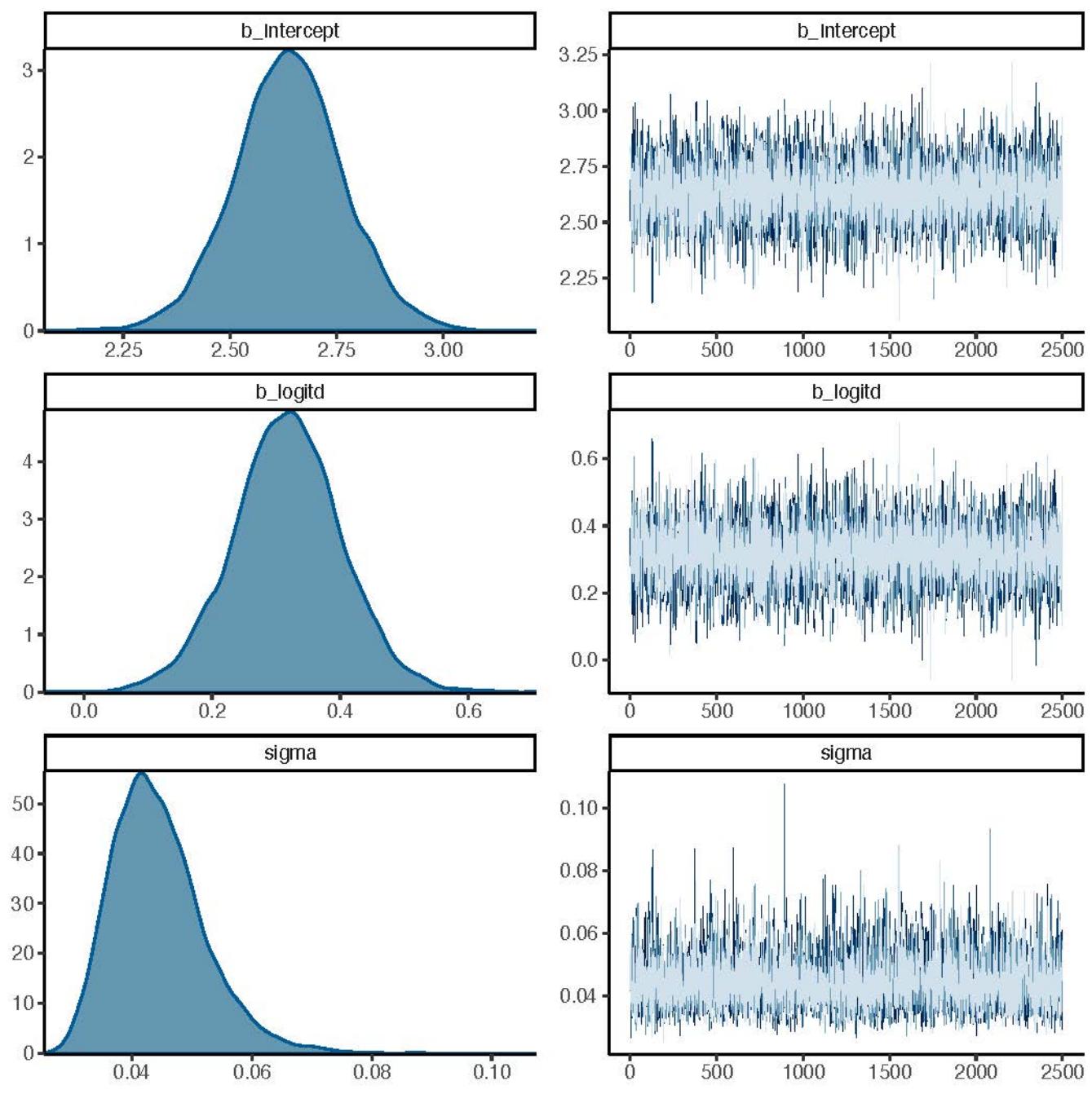
**Allometric models.** Model traces and posterior predictive check for each visual trait modelled with Bayesian inference without phylogenetic control.

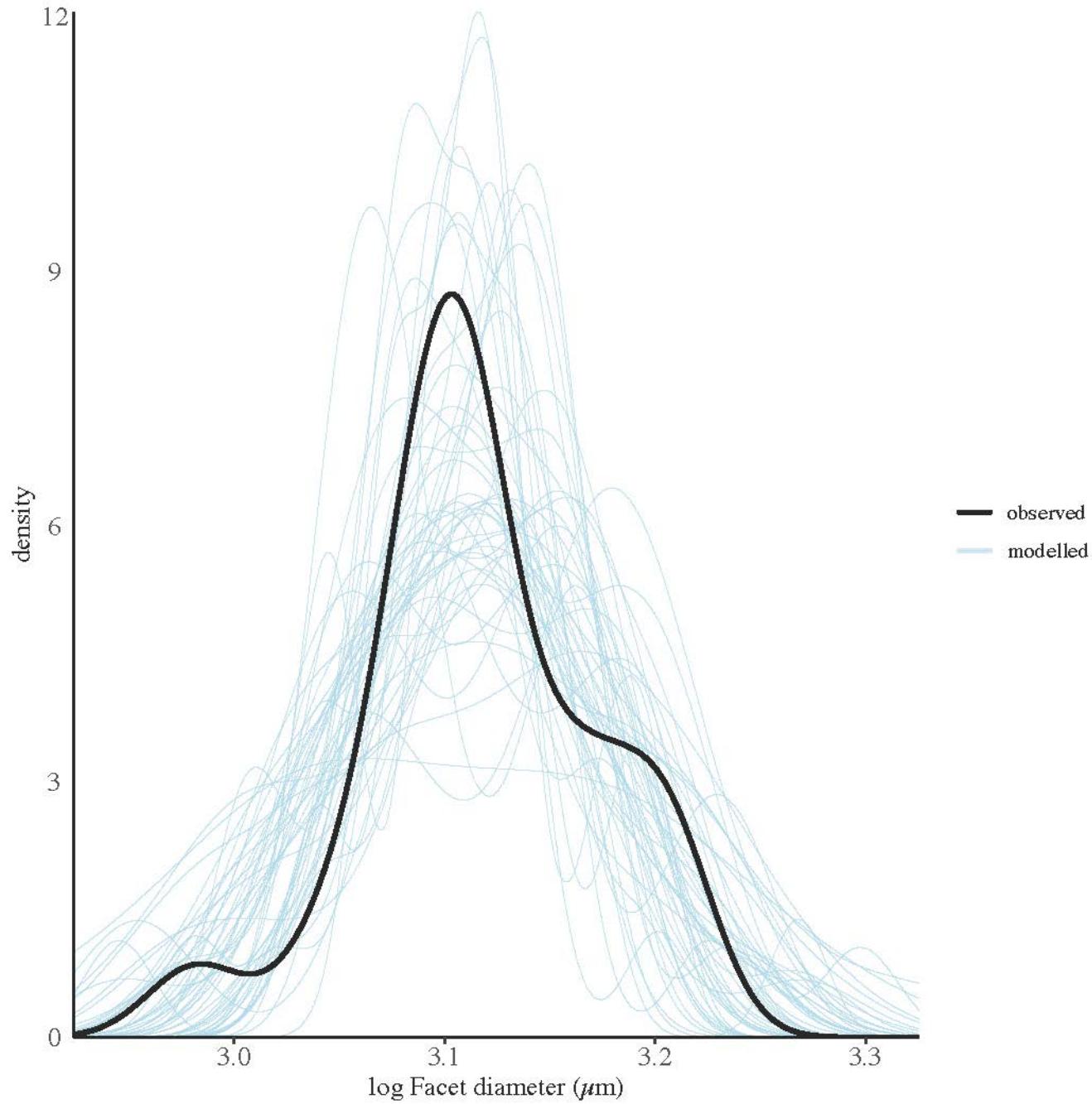
Eye surface ( $\mu\text{m}^2$ )



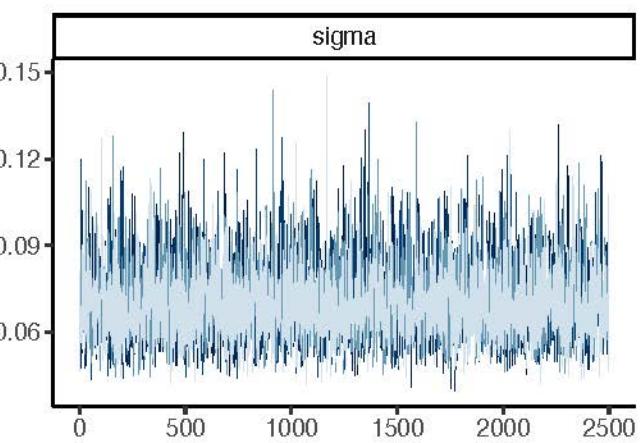
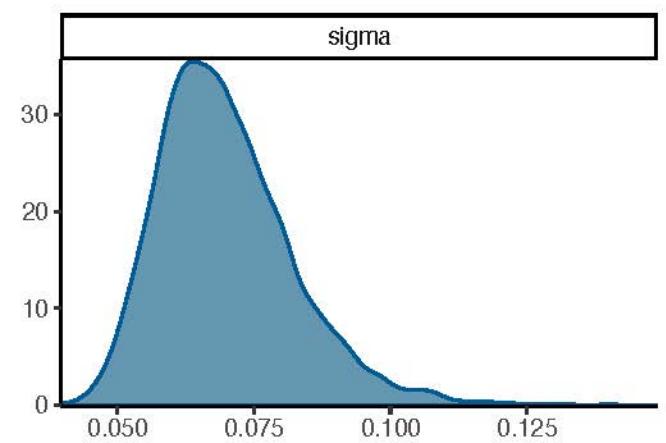
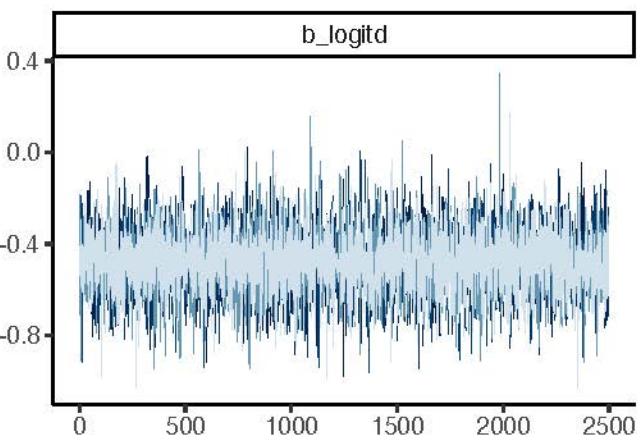
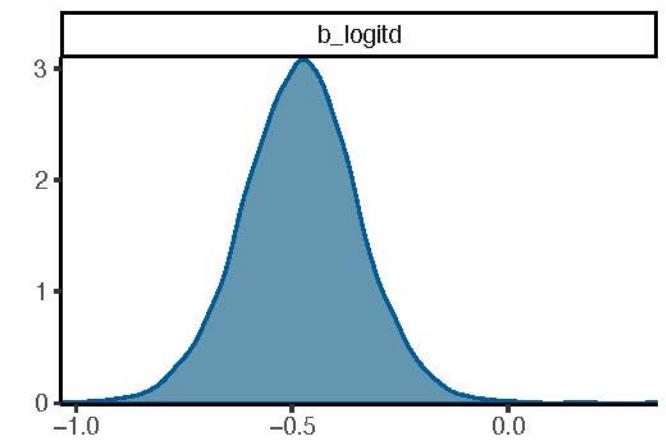
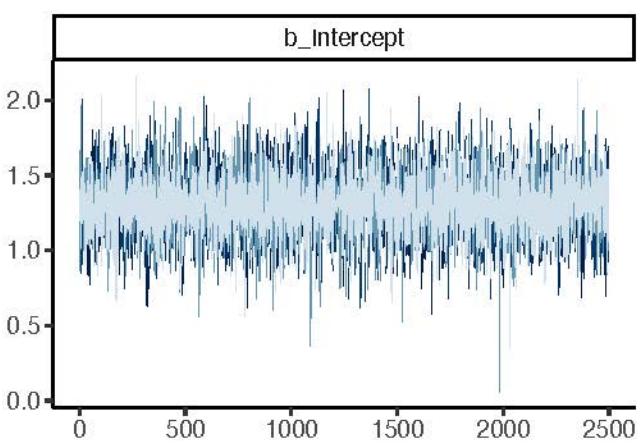
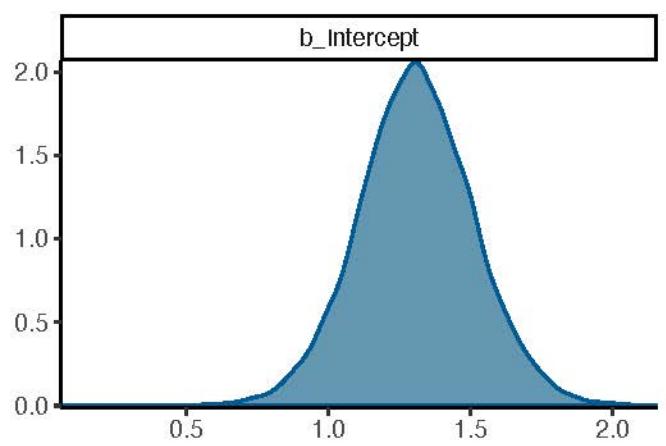


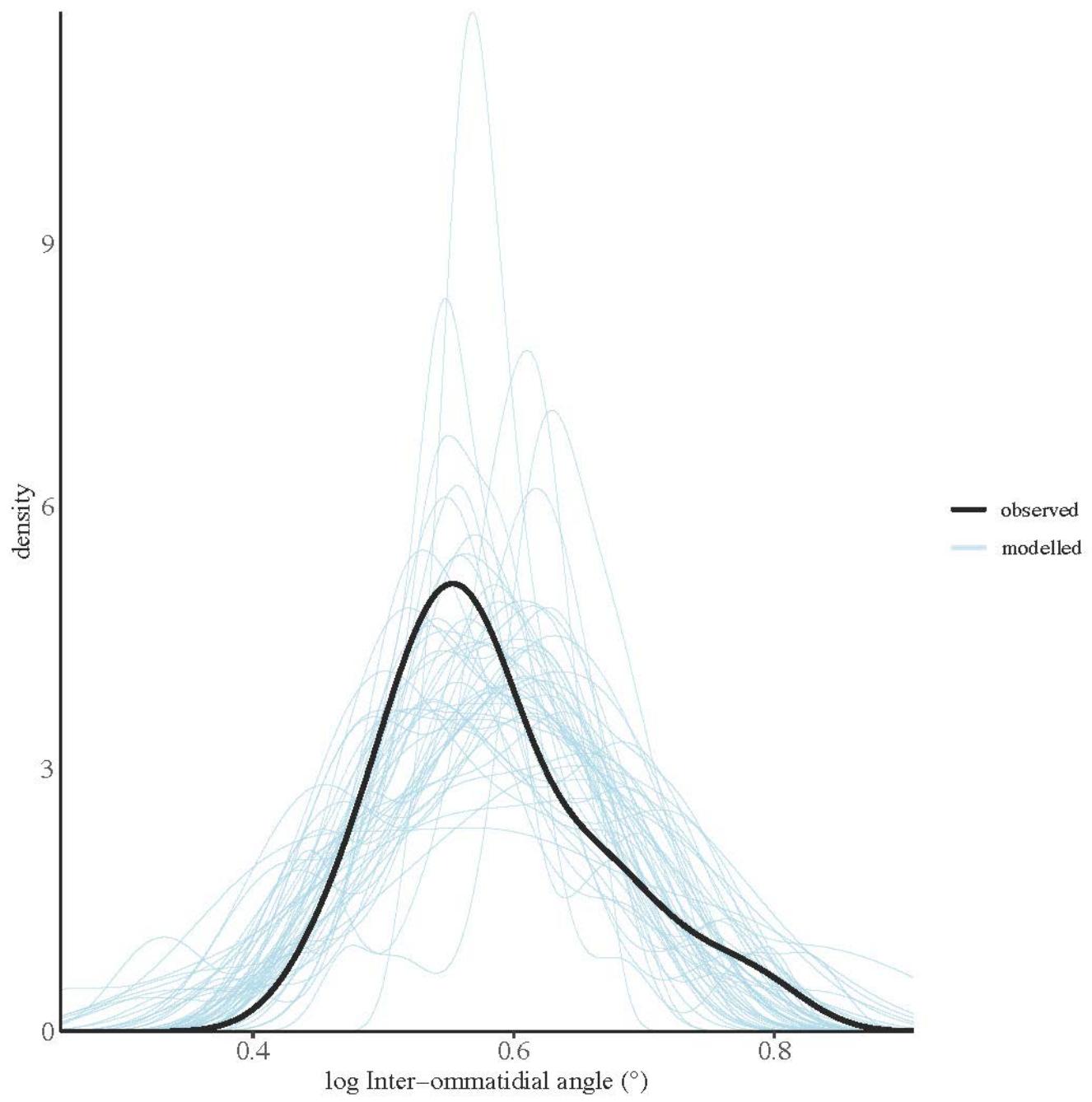
Facet diameter ( $\mu\text{m}$ )



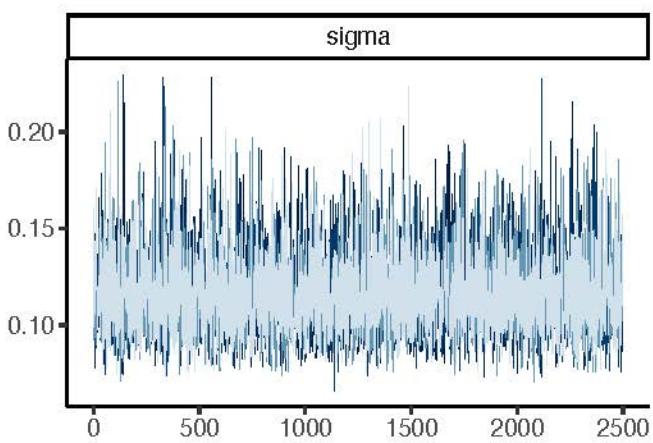
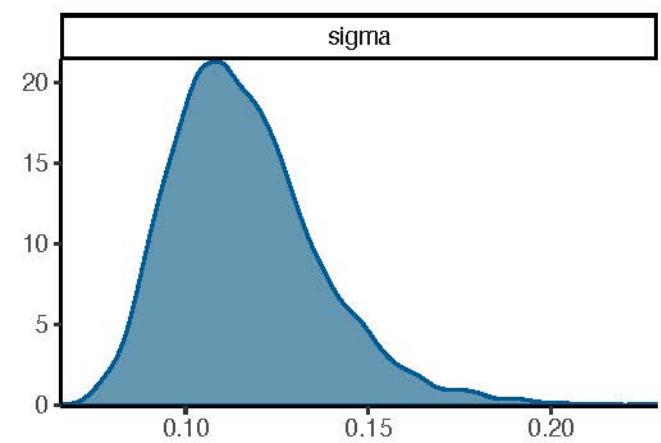
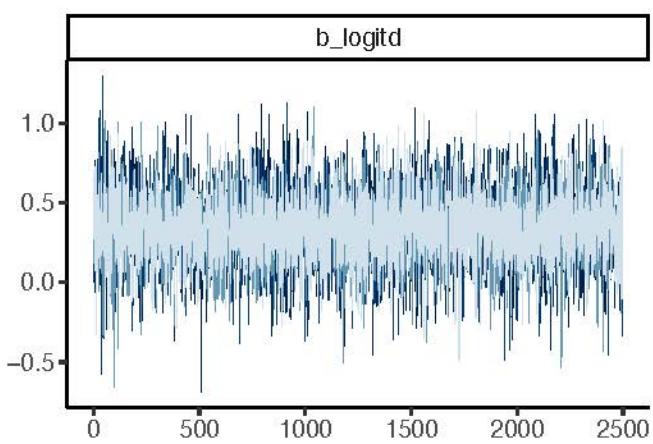
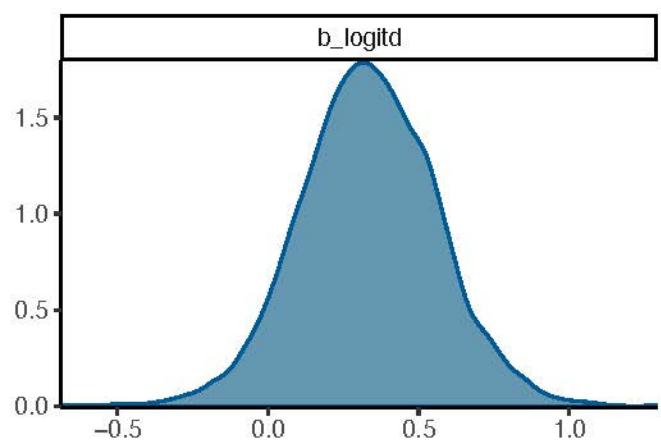
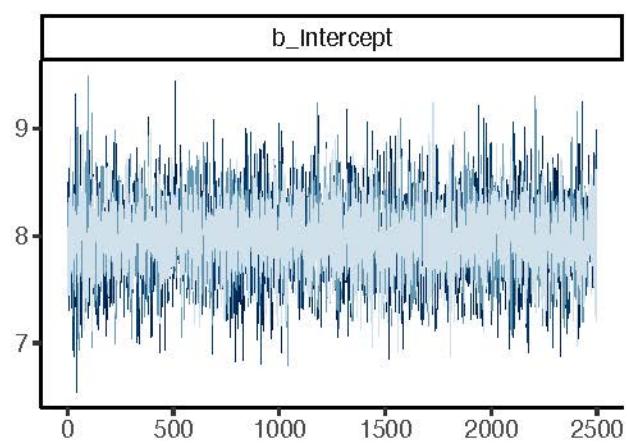
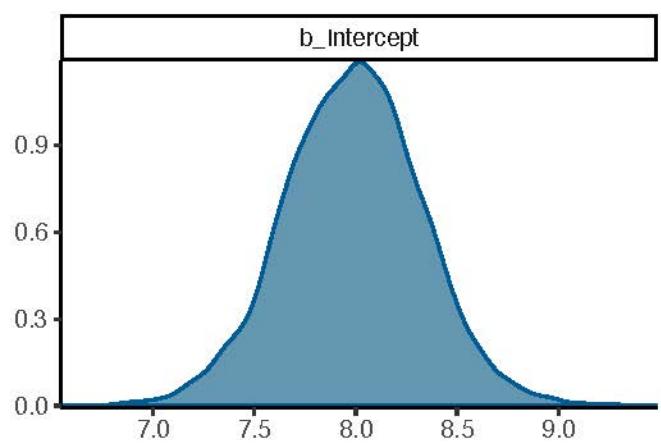


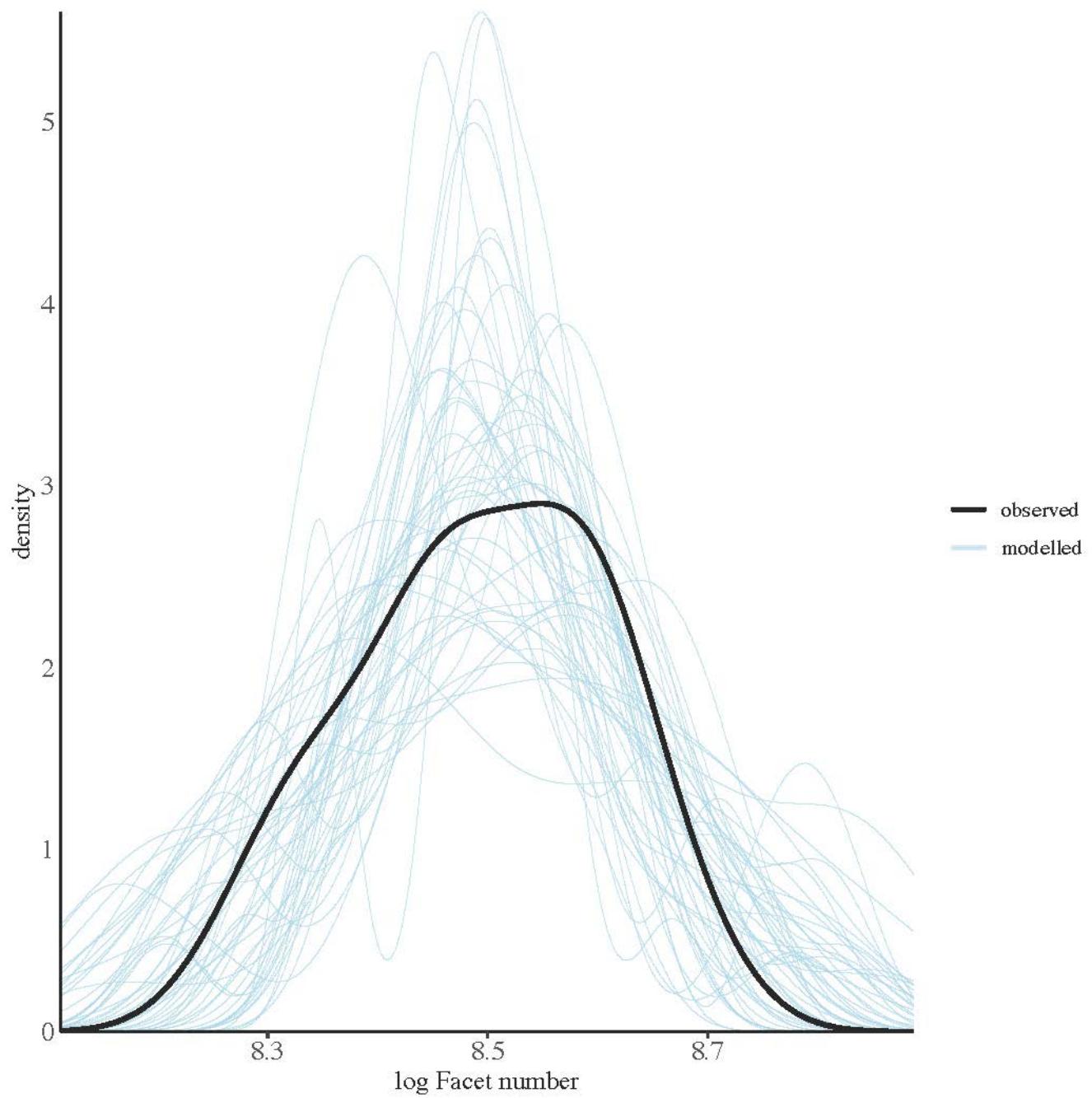
Inter-ommatidial angle ( $^{\circ}$ )



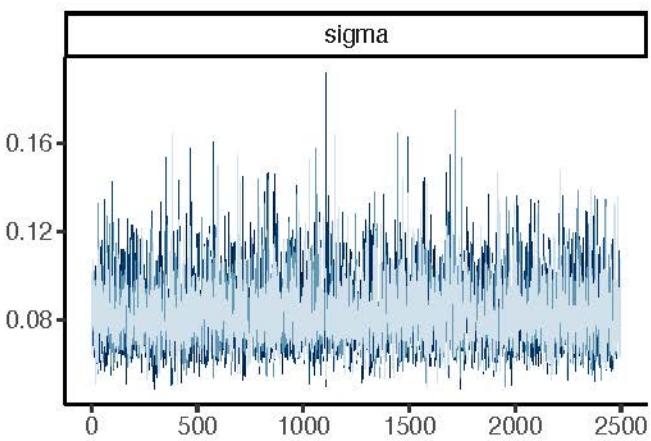
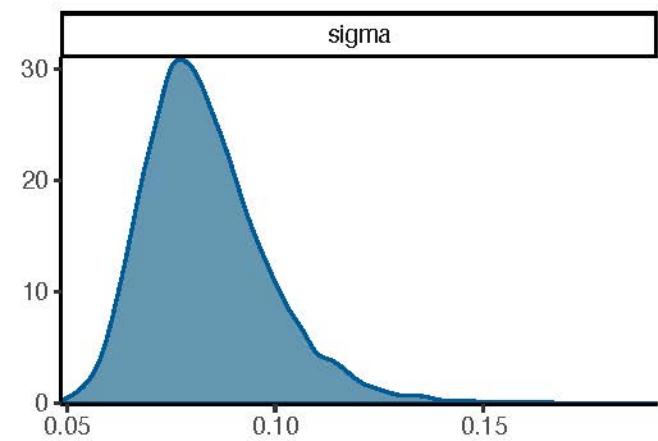
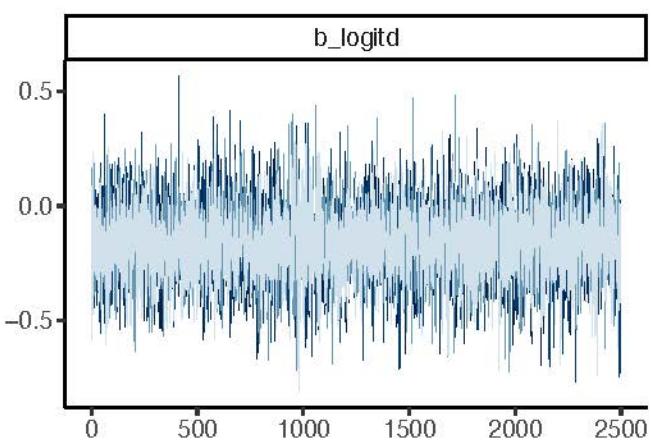
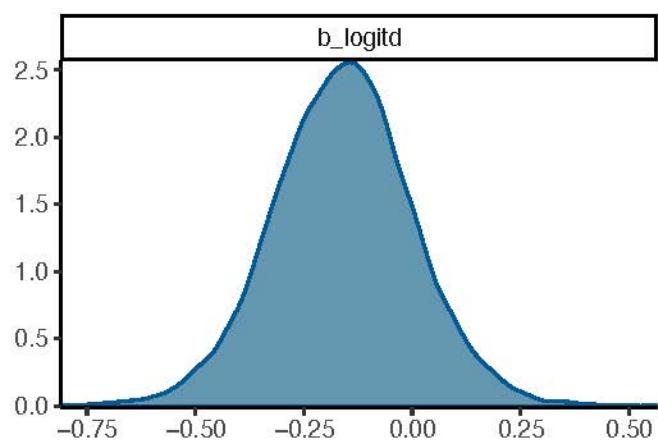
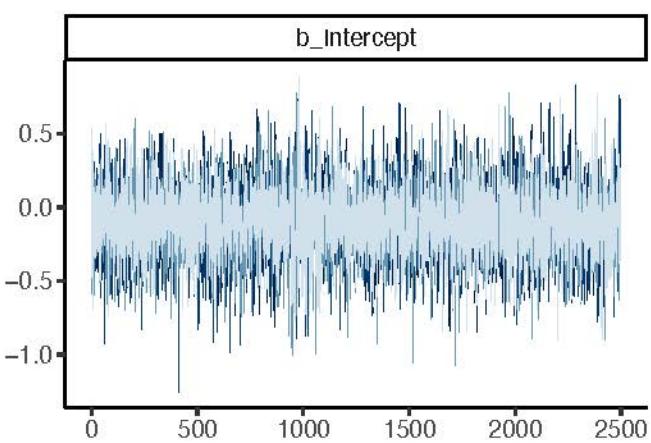
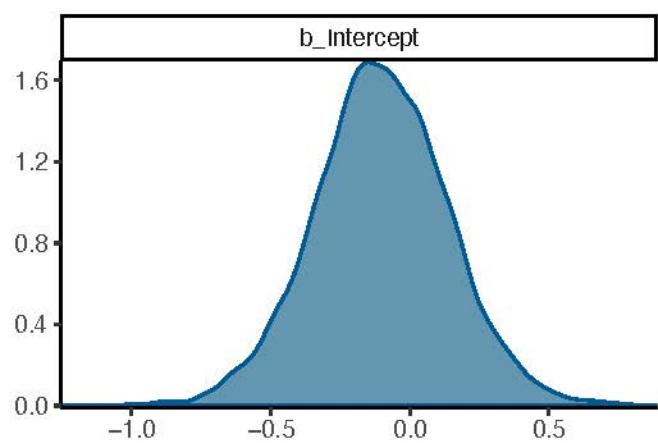


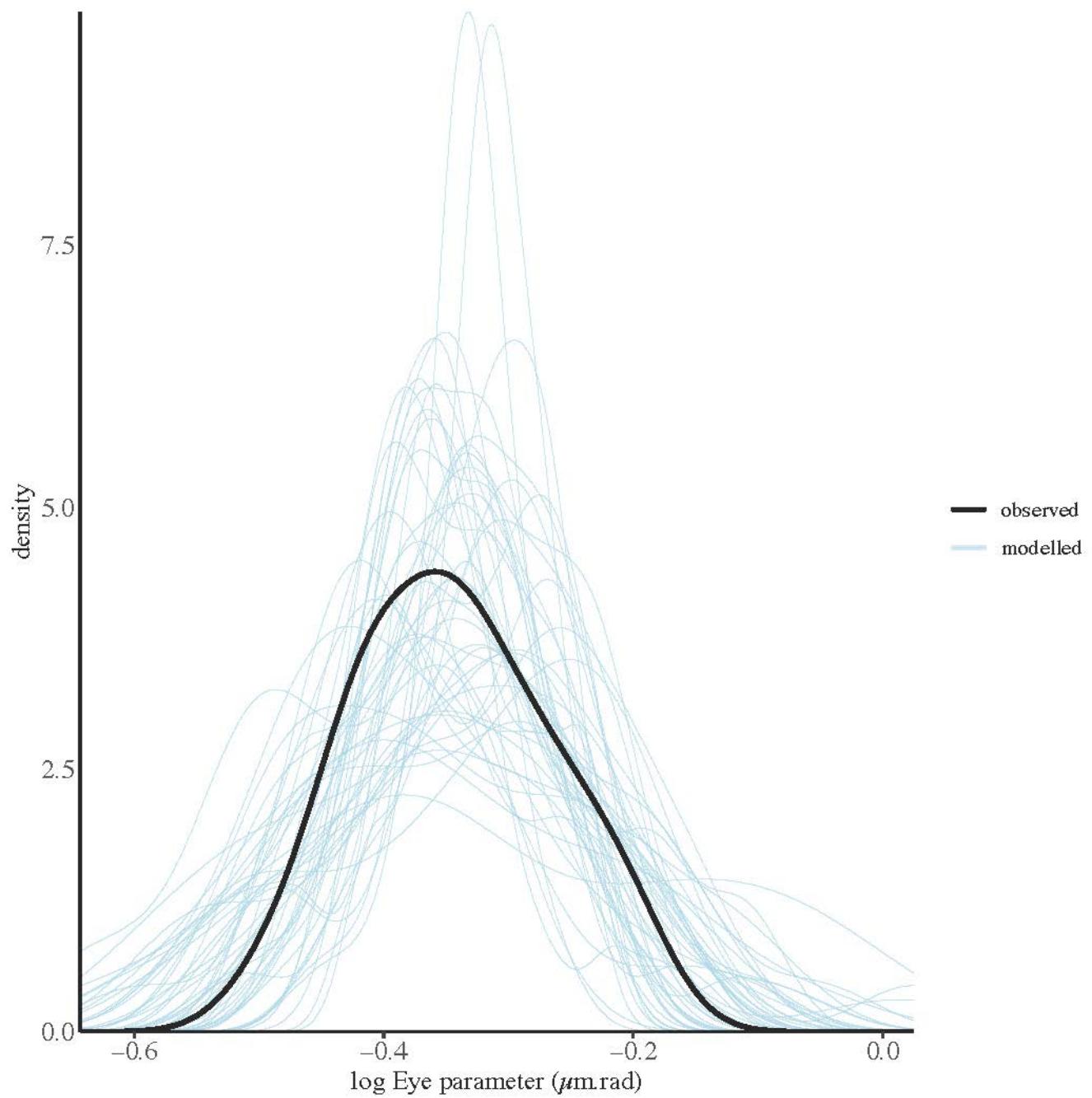
Facet number



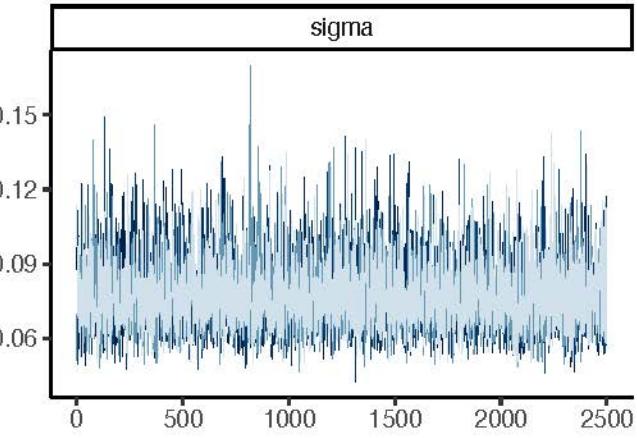
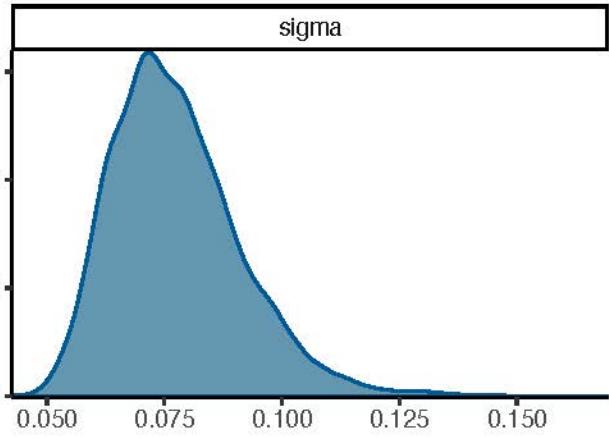
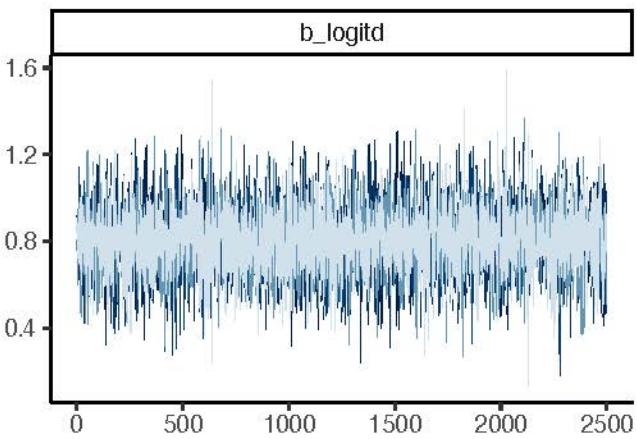
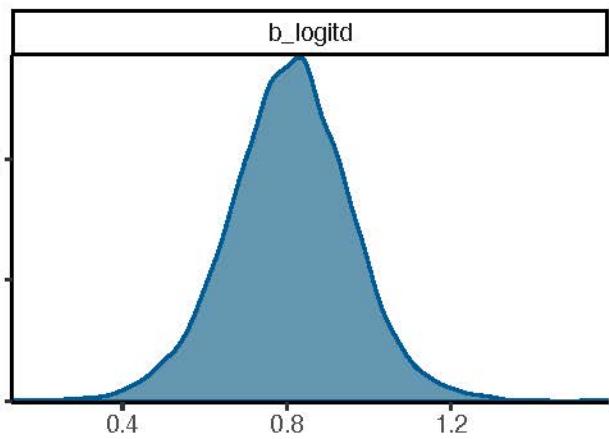
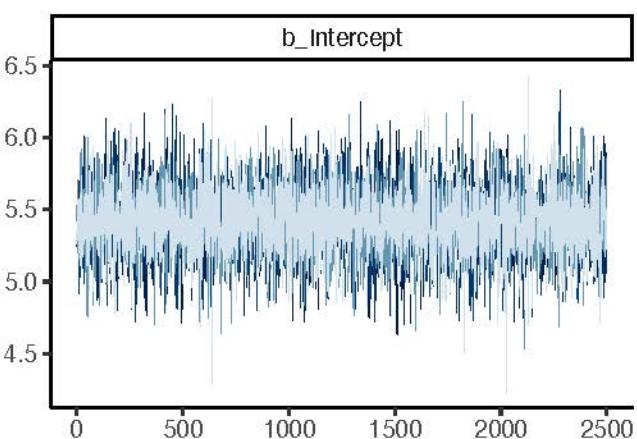
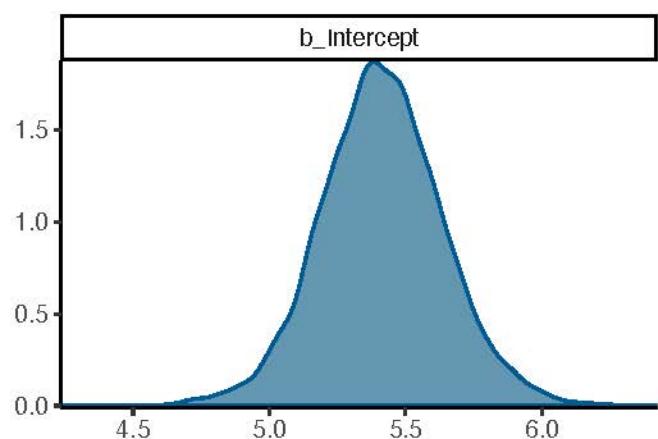


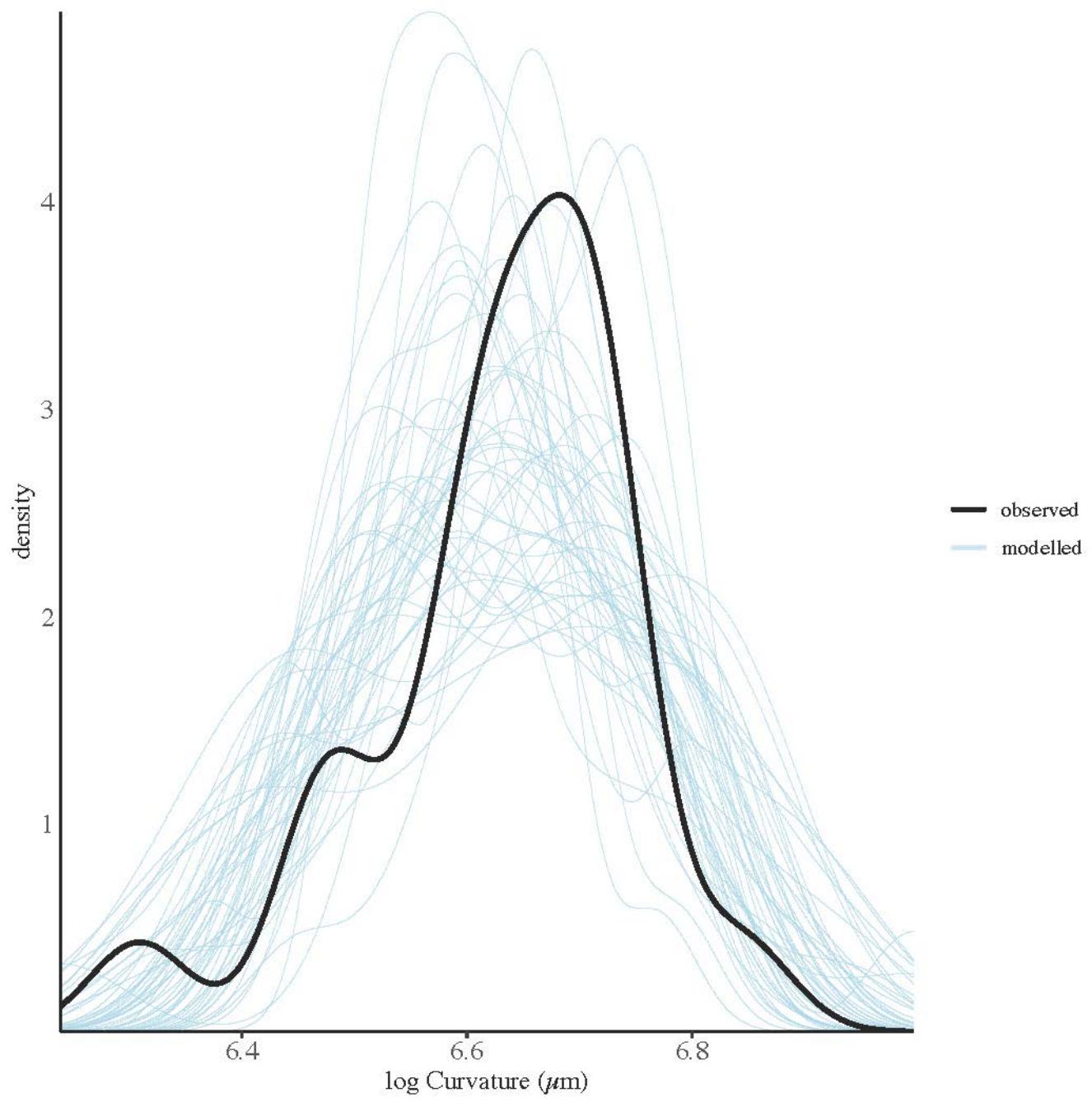
Eye parameter ( $\mu\text{m}.\text{rad}$ )



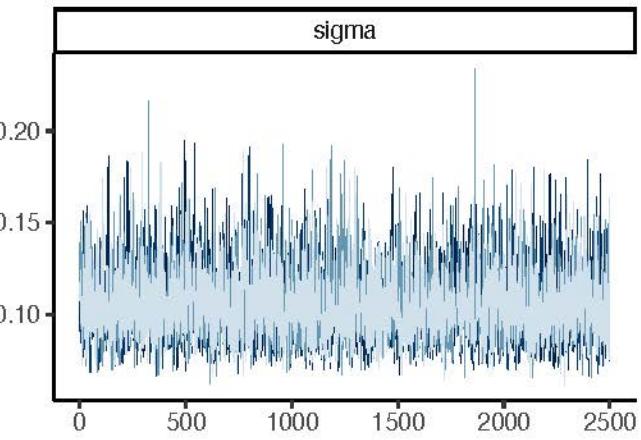
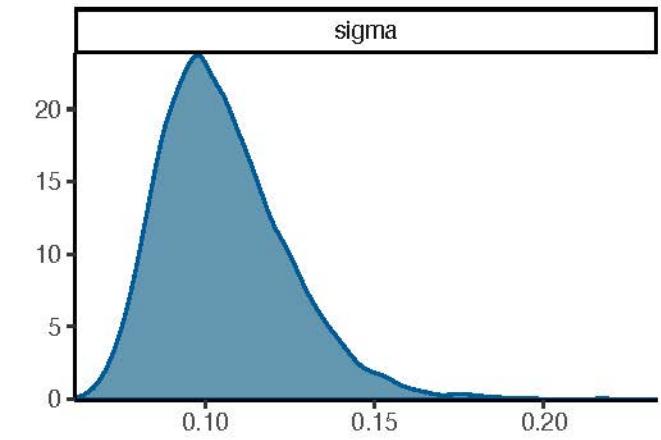
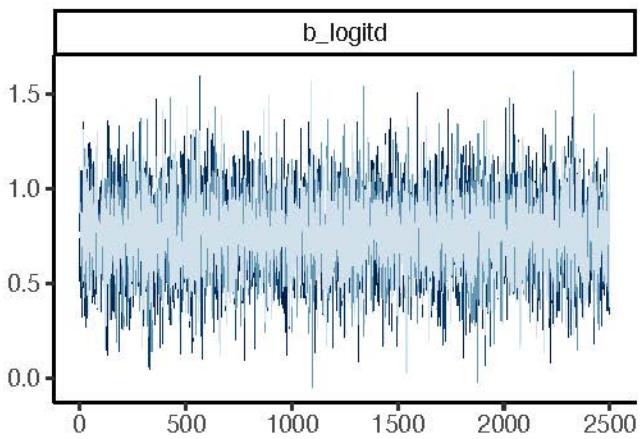
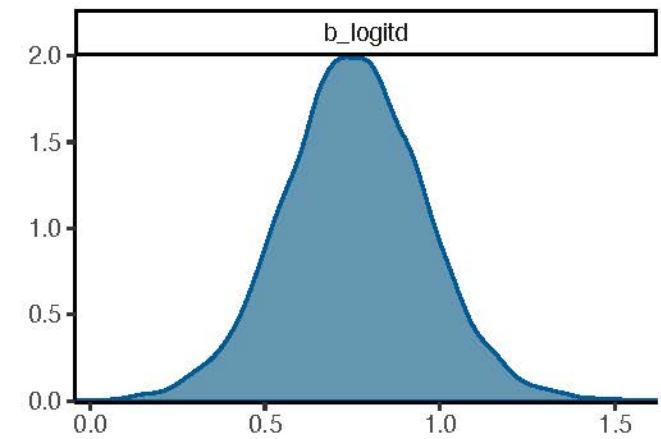
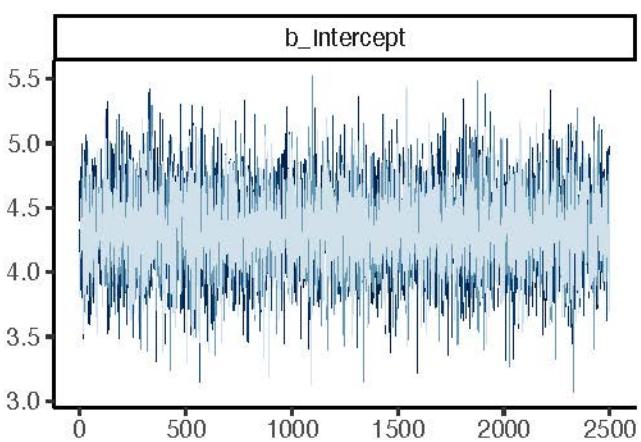
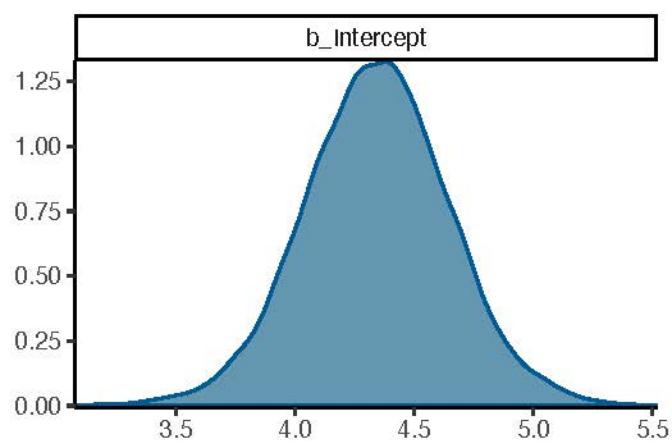


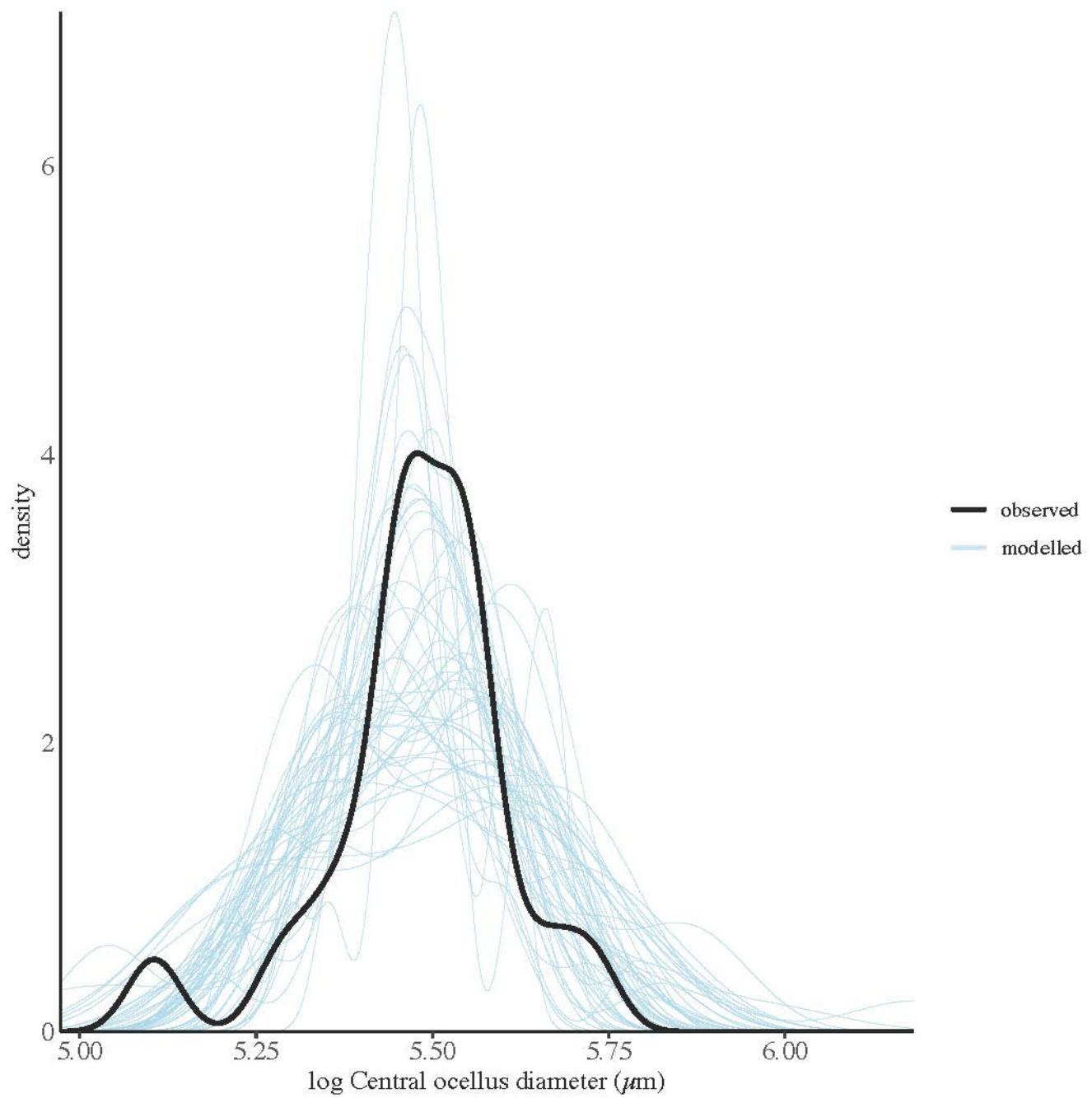
Curvature ( $\mu\text{m}$ )



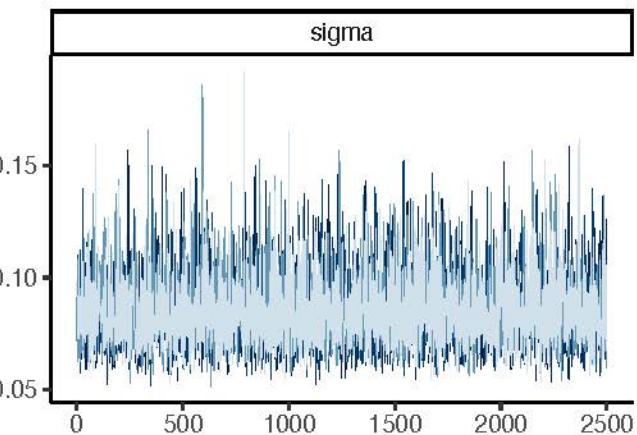
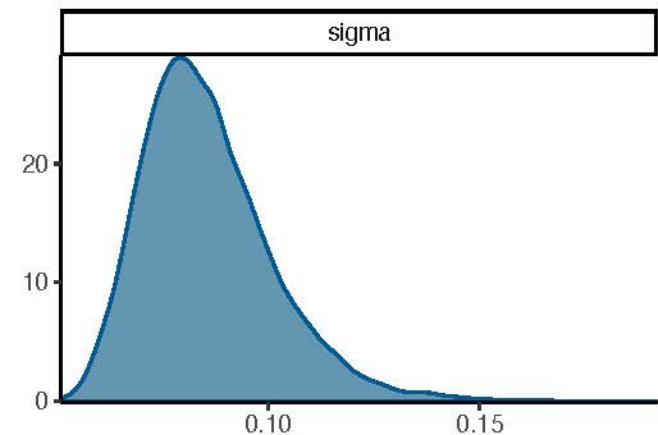
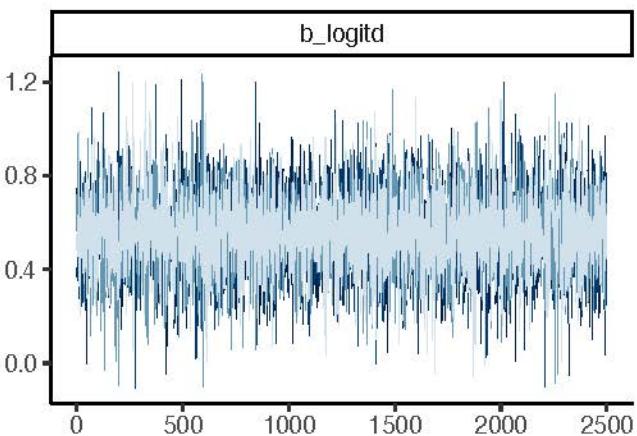
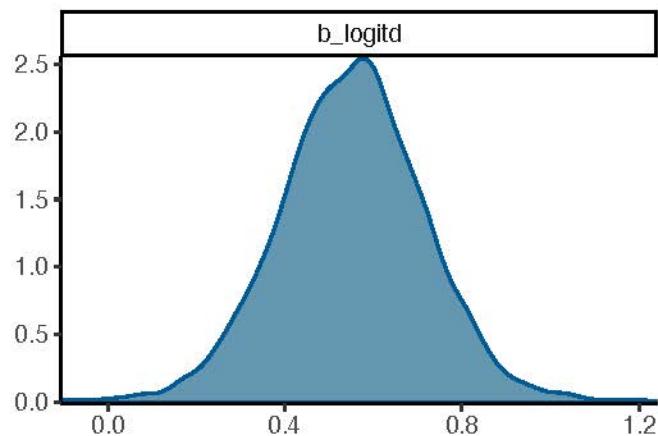
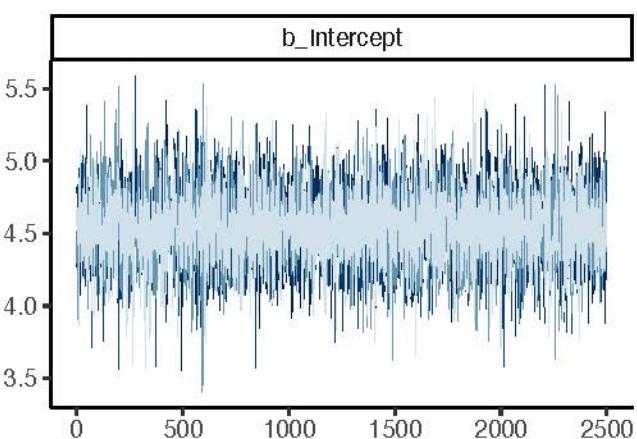
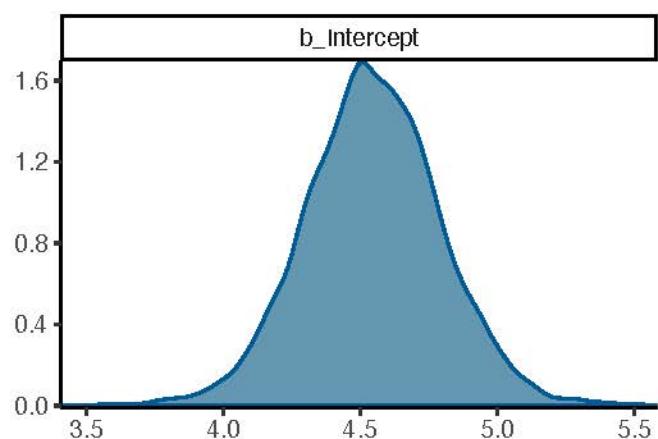


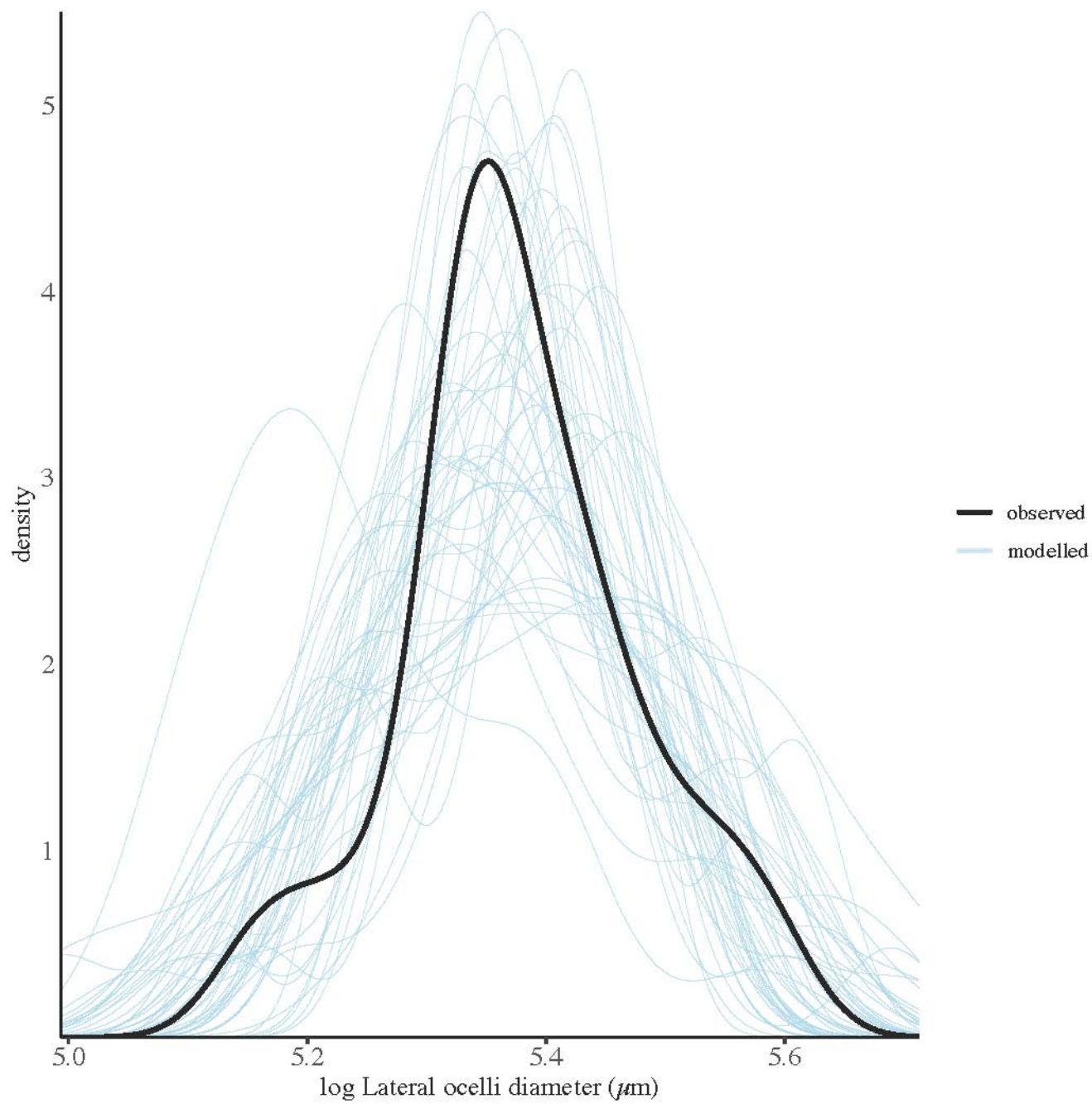
Central ocellus diameter ( $\mu\text{m}$ )



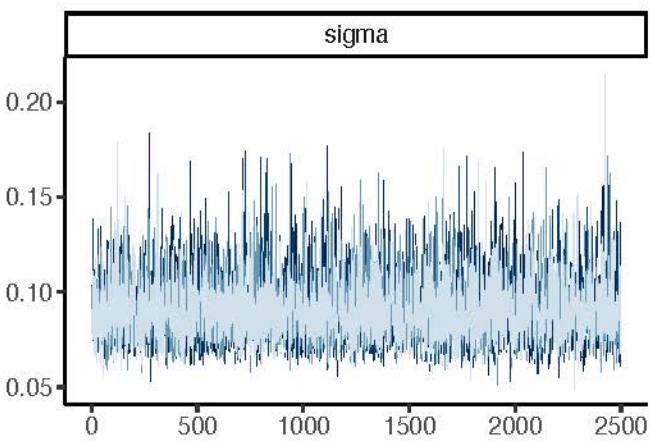
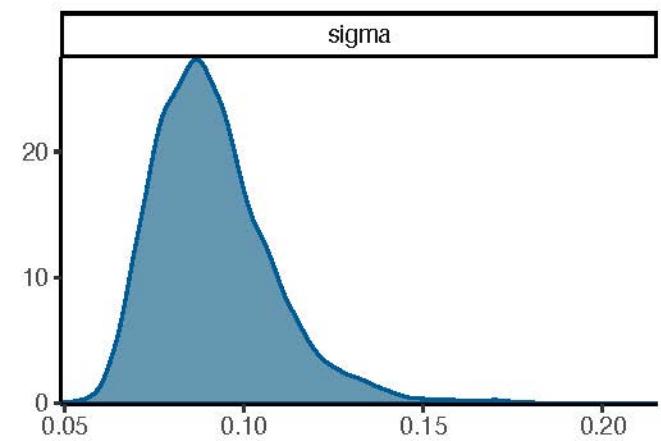
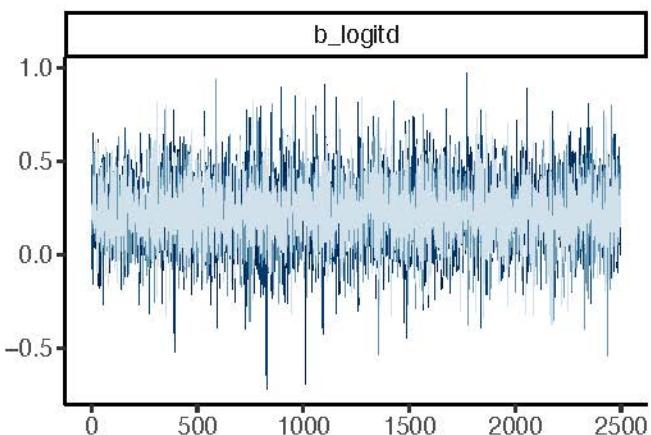
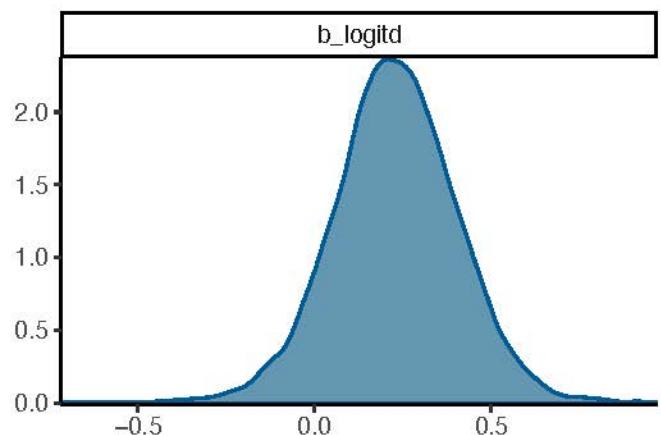
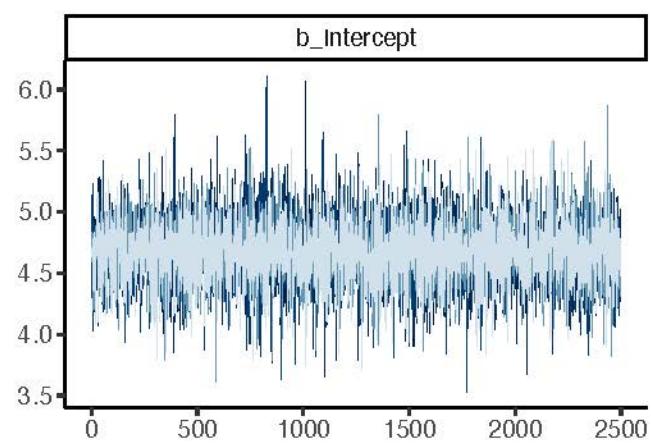
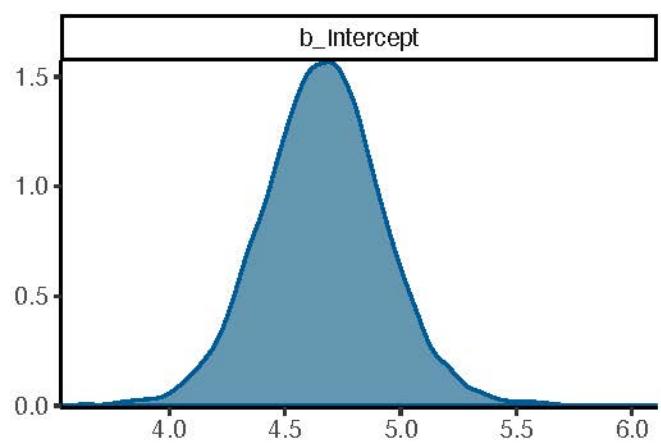


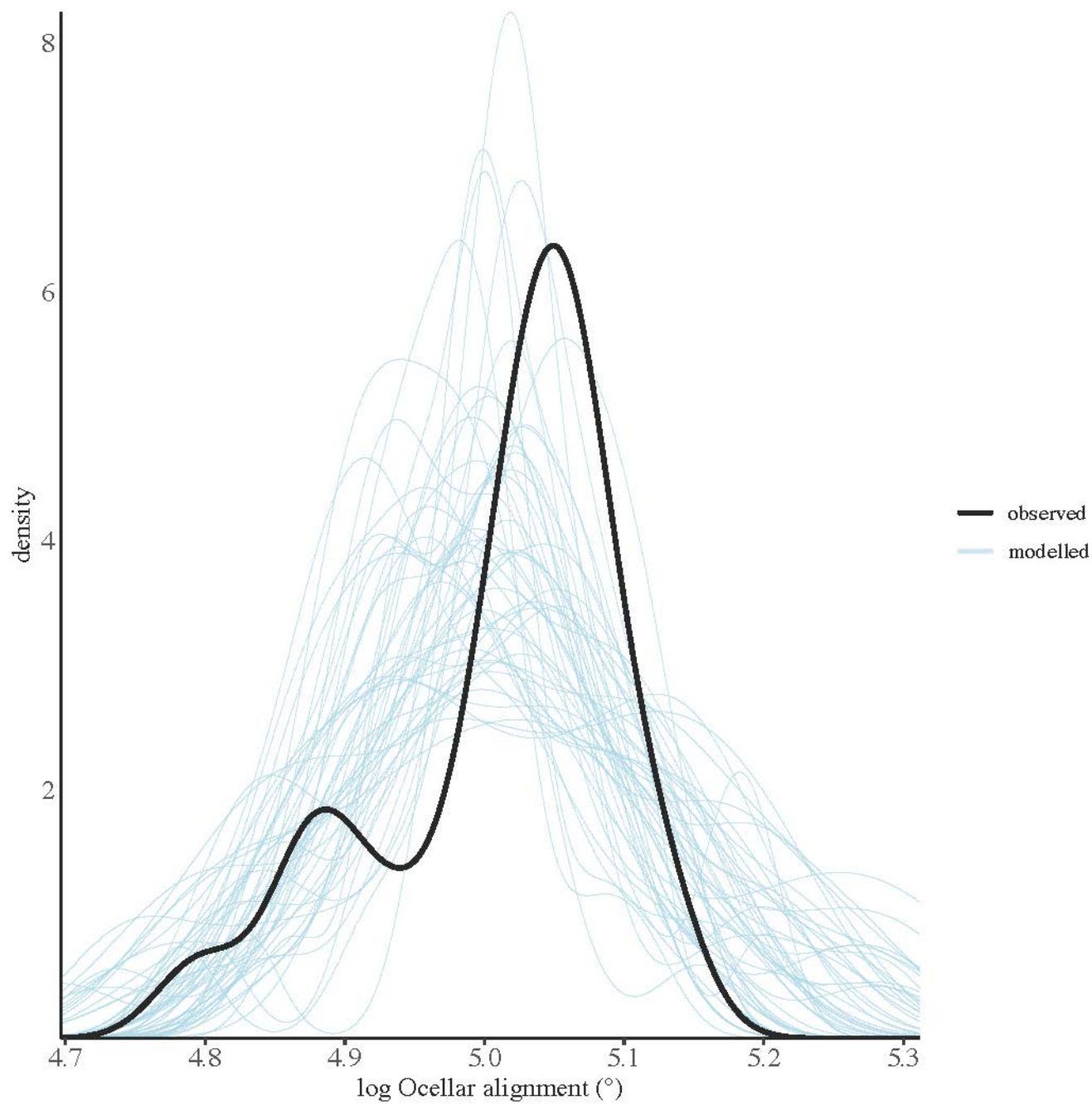
Lateral ocelli diameter ( $\mu\text{m}$ )



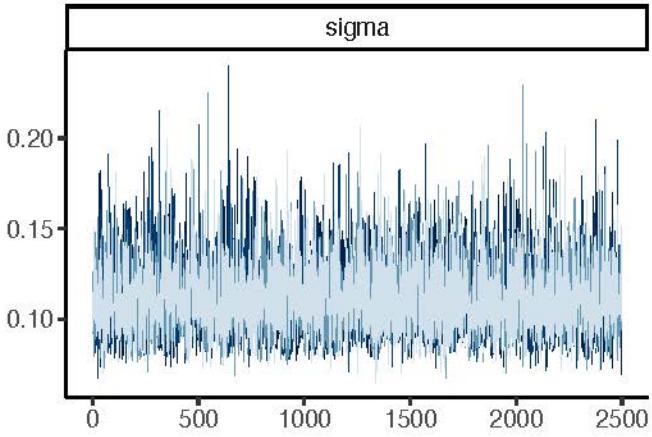
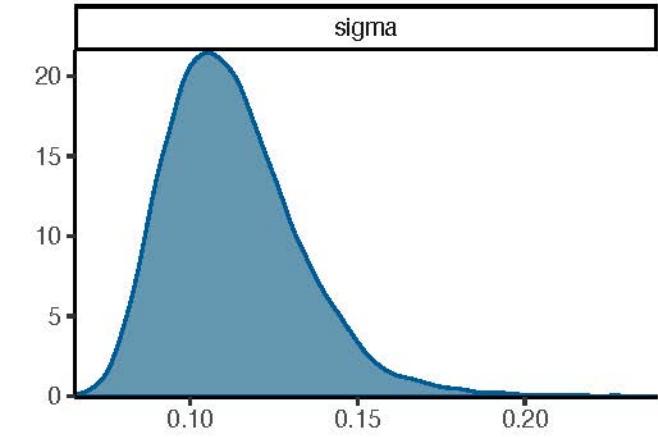
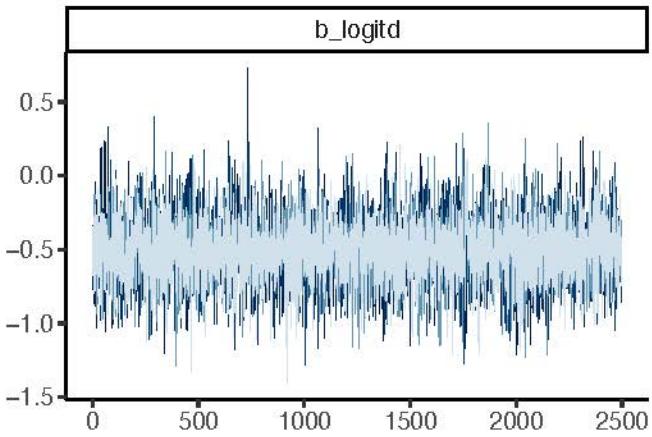
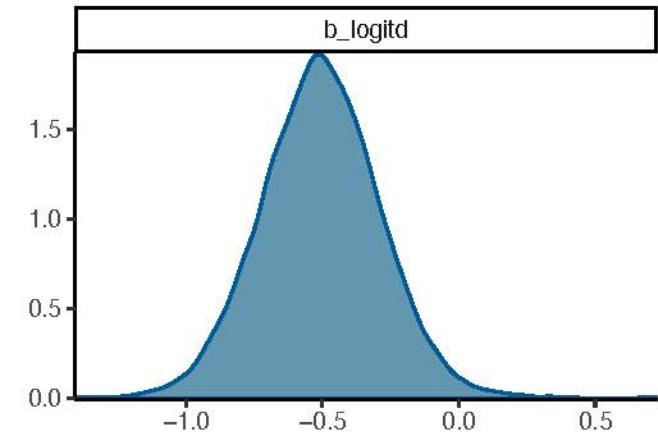
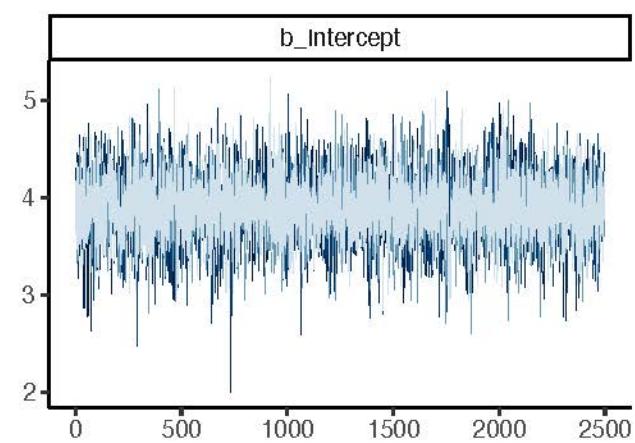
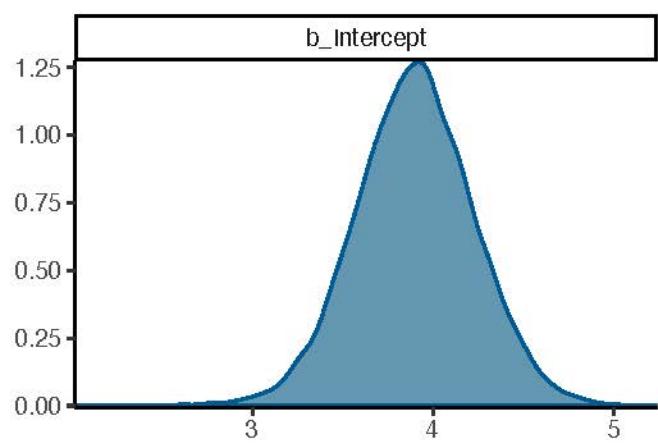


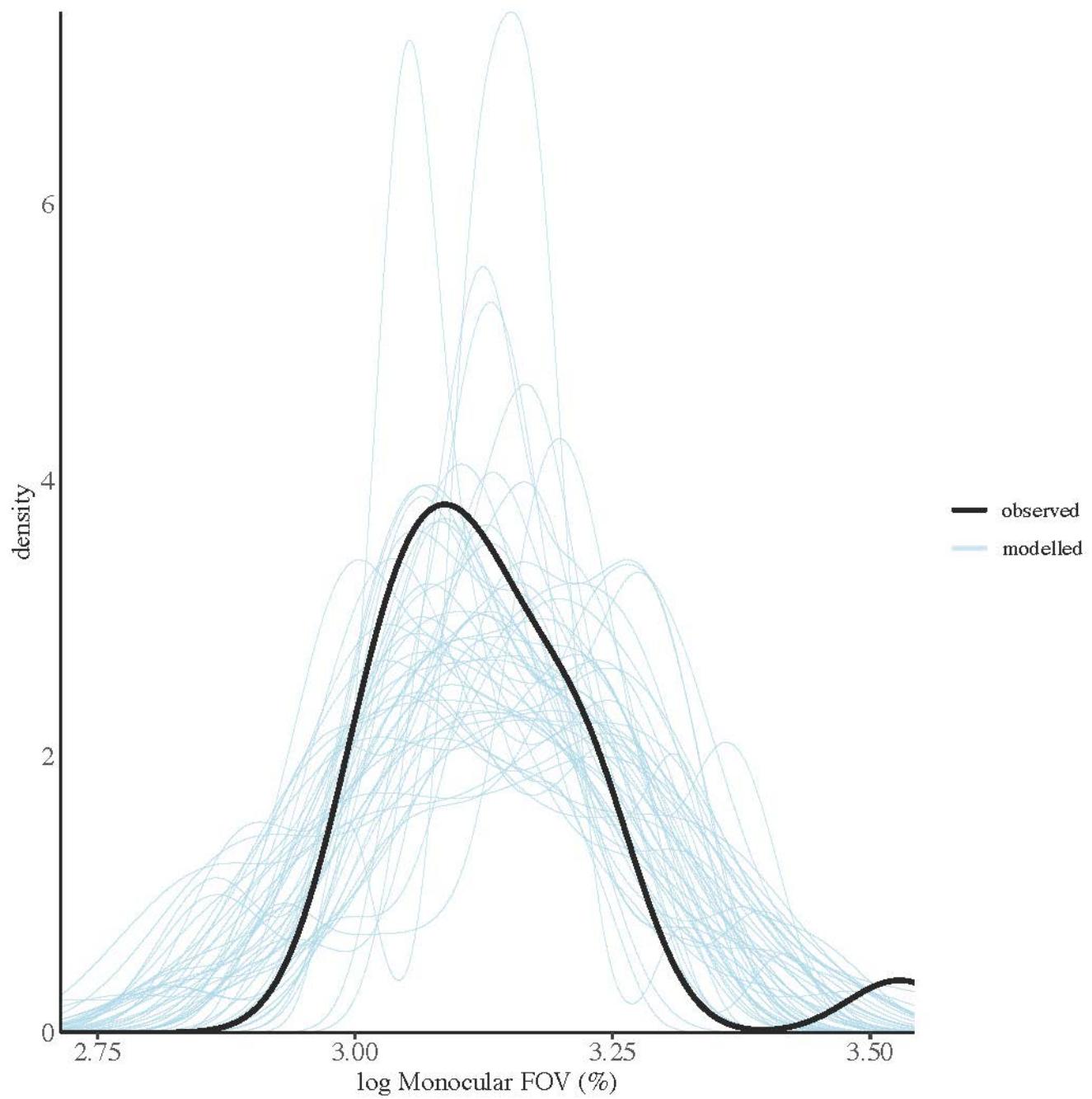
Ocellar alignment (°)



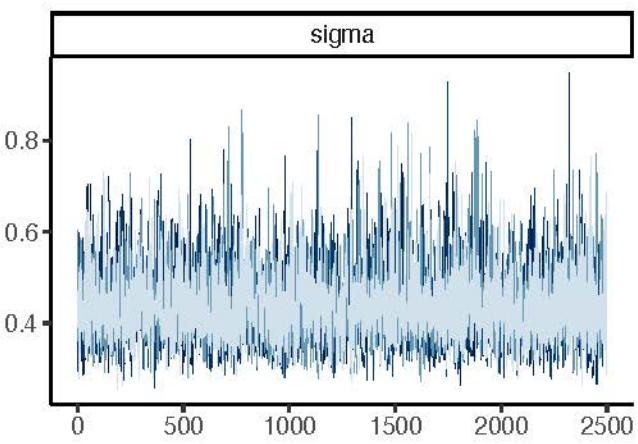
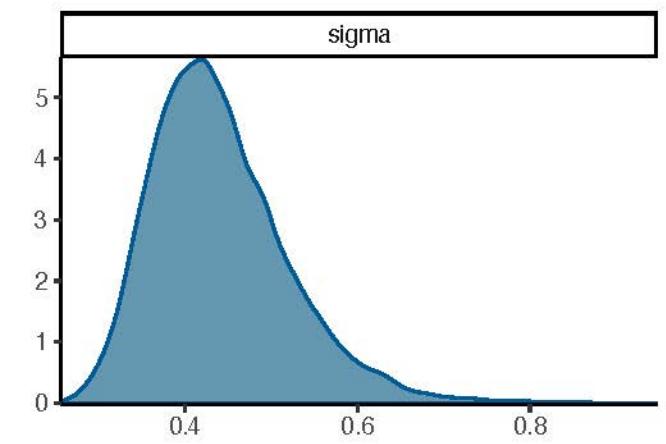
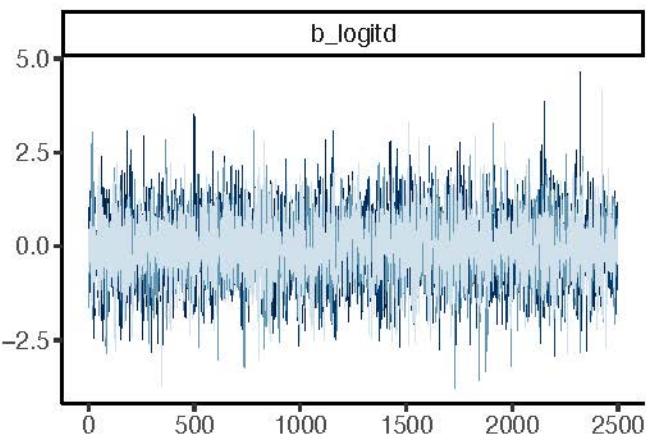
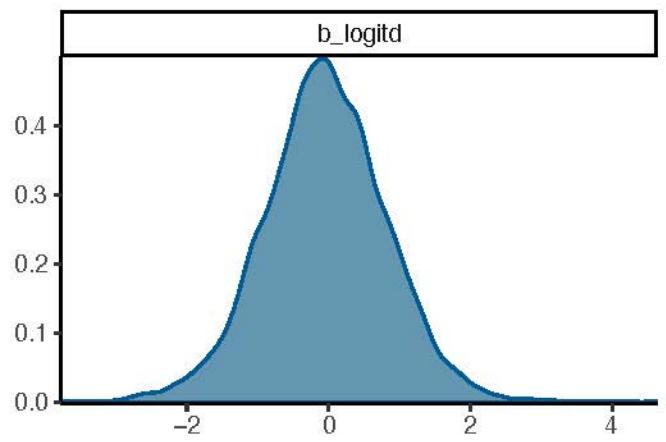
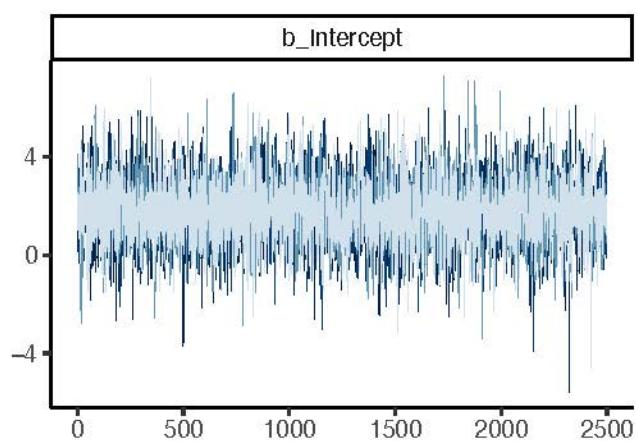
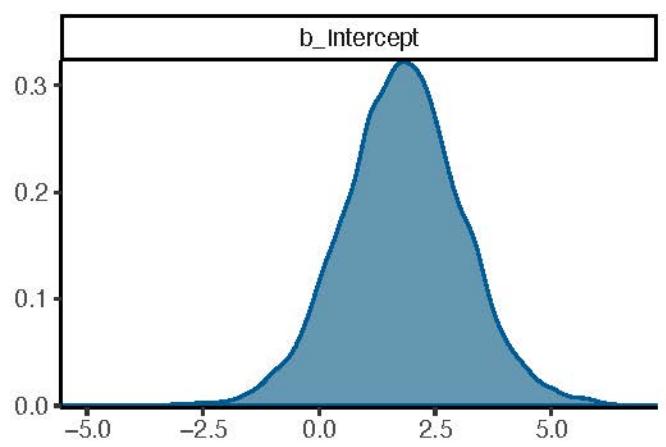


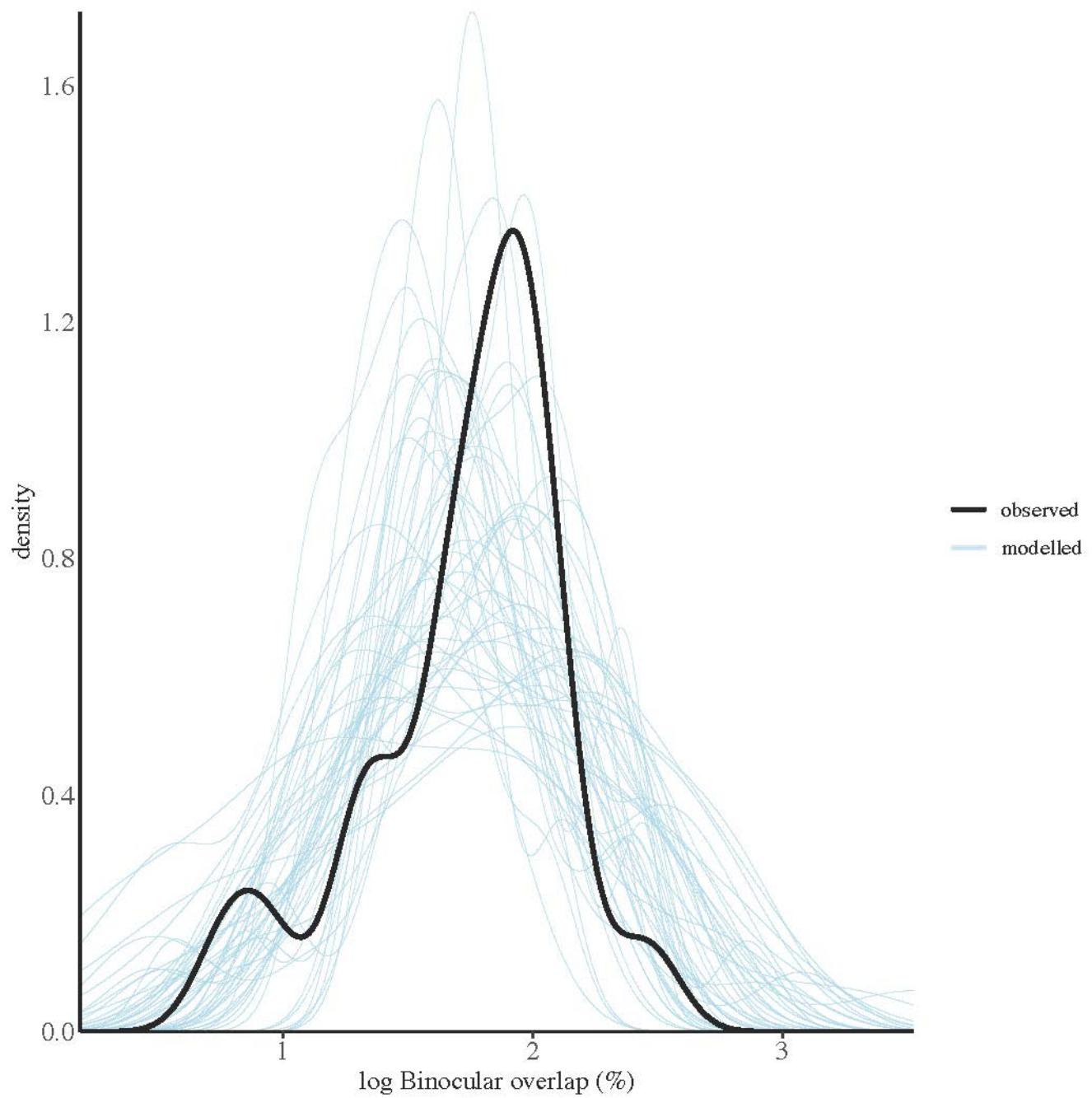
Monocular FOV (%)





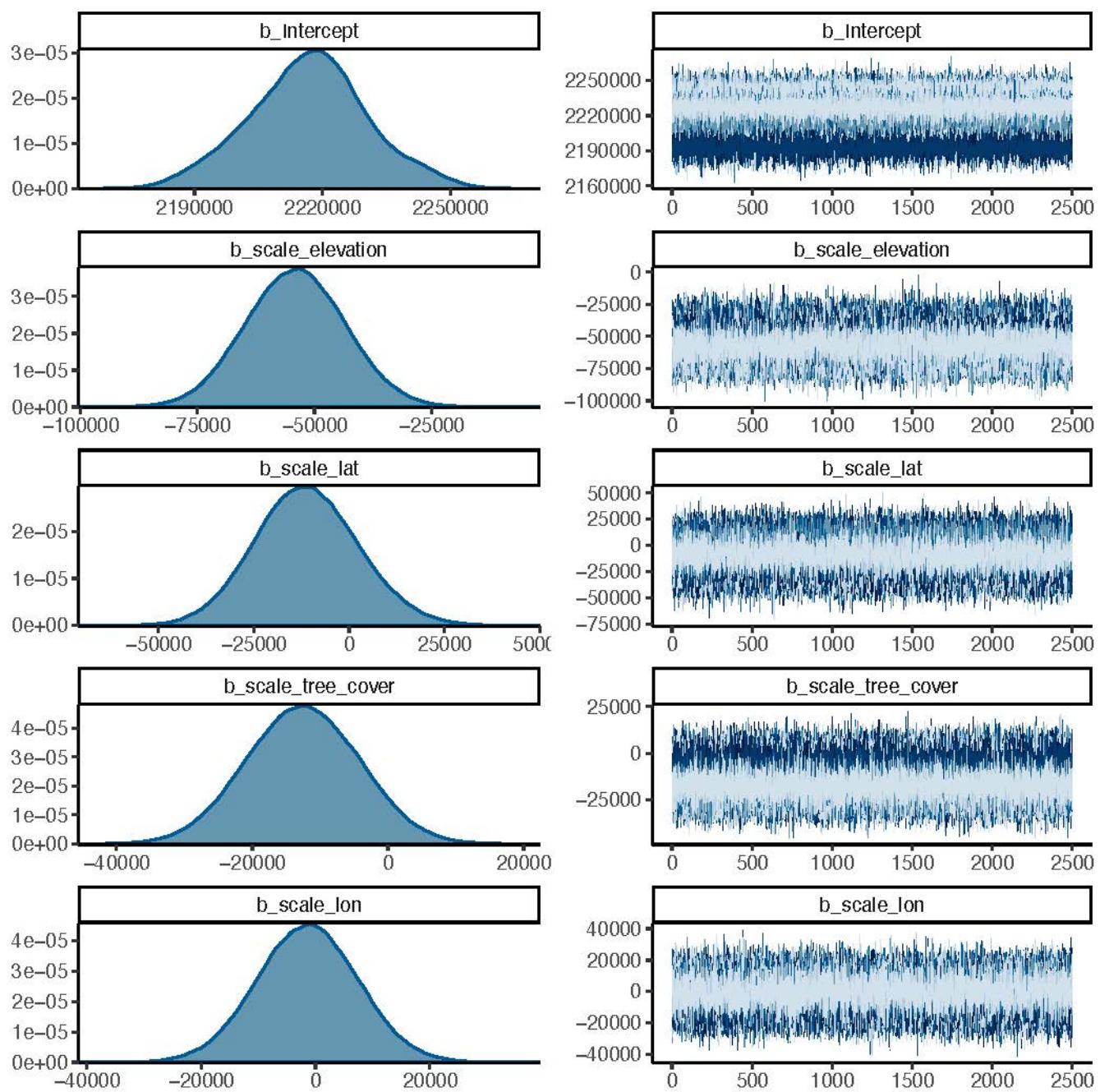
Binocular overlap (%)



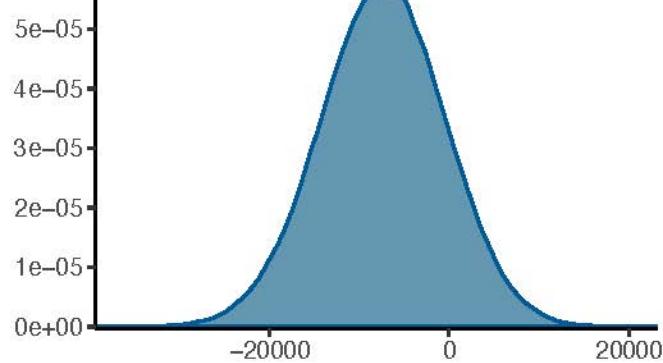


**Effects of tree cover on the community weighted means of visual traits and ITD in bumblebee communities within grasslands across Sweden.** Model traces and posterior predictive check for each visual trait modelled with Bayesian inference.

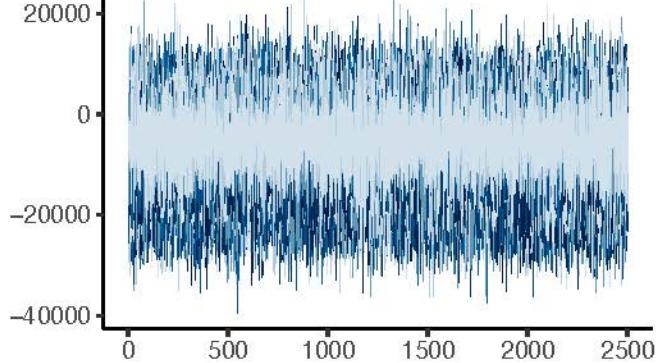
Eye surface ( $\mu\text{m}^2$ )



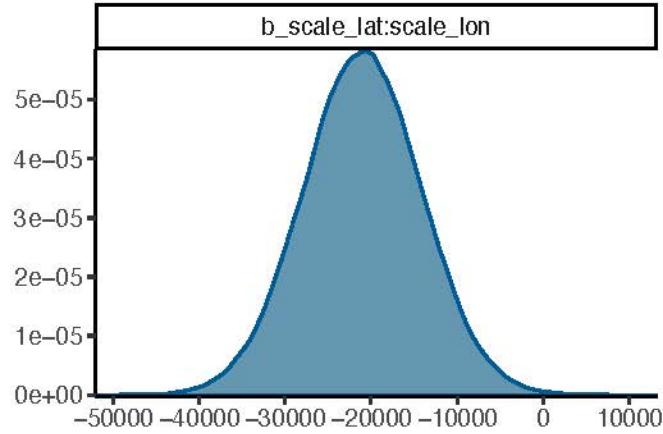
b\_scale\_flower\_richness



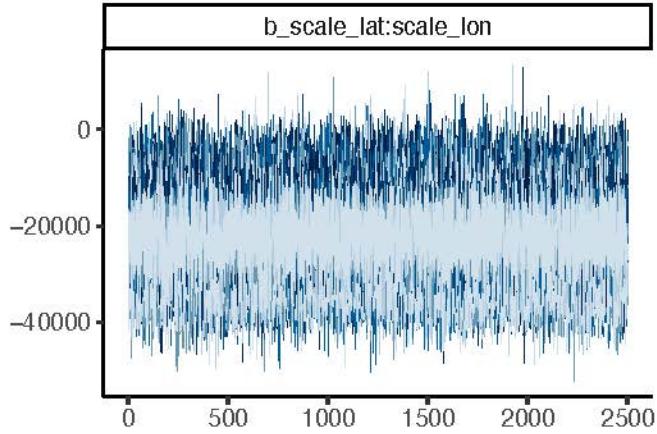
b\_scale\_flower\_richness



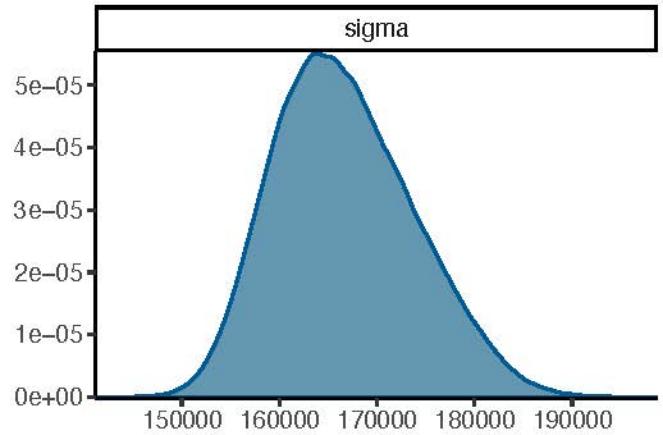
b\_scale\_lat:scale\_ion



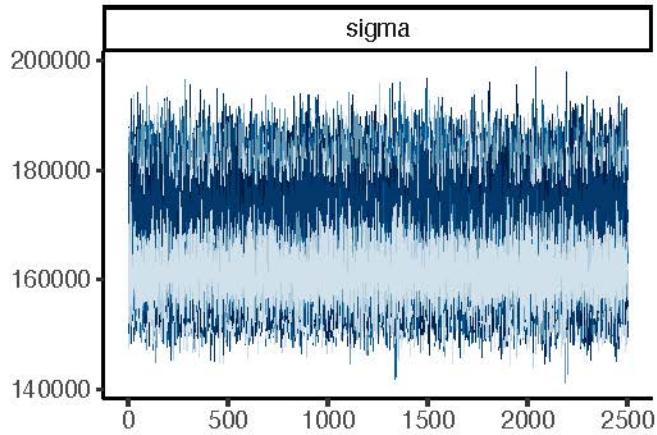
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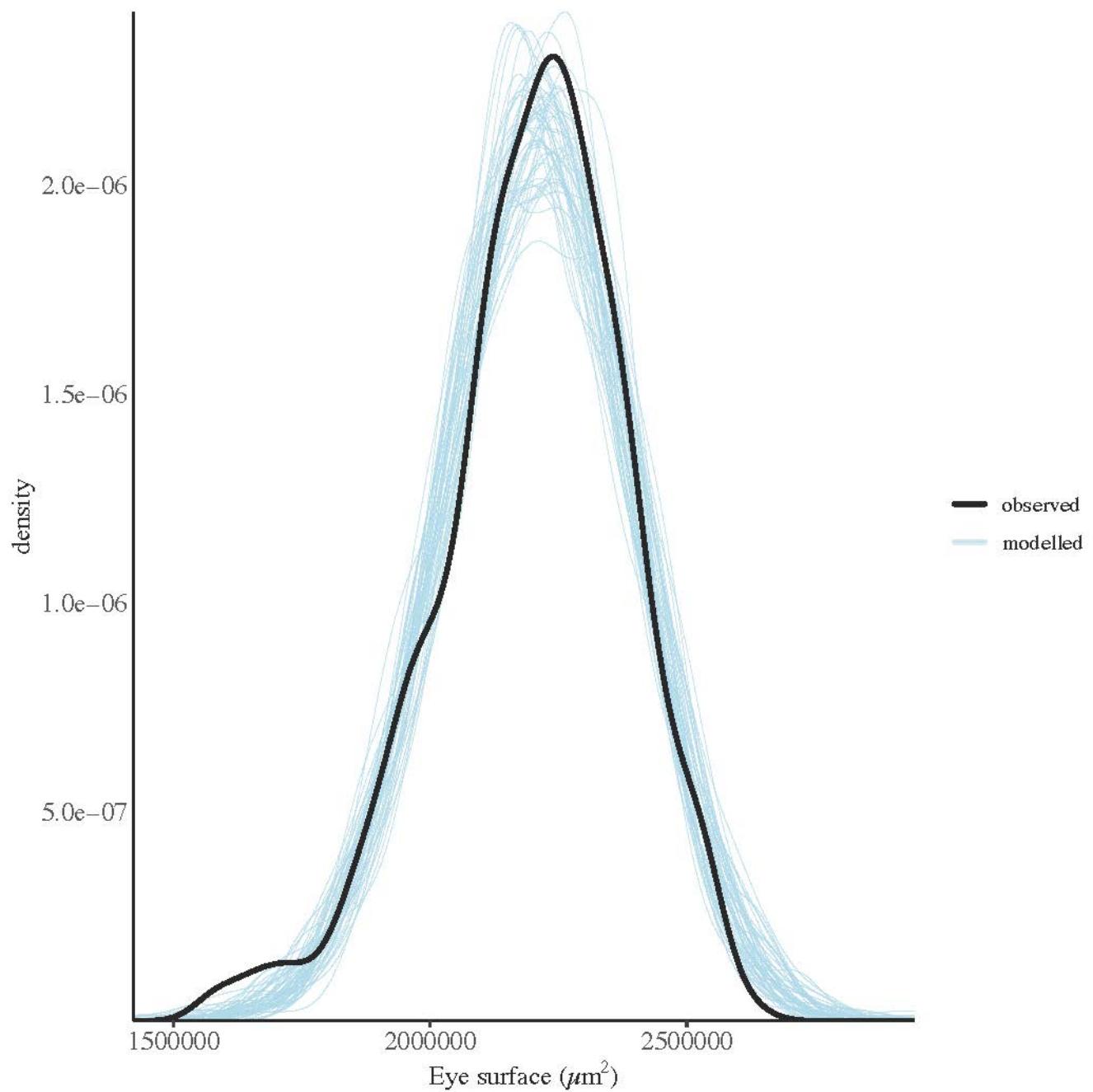


sigma

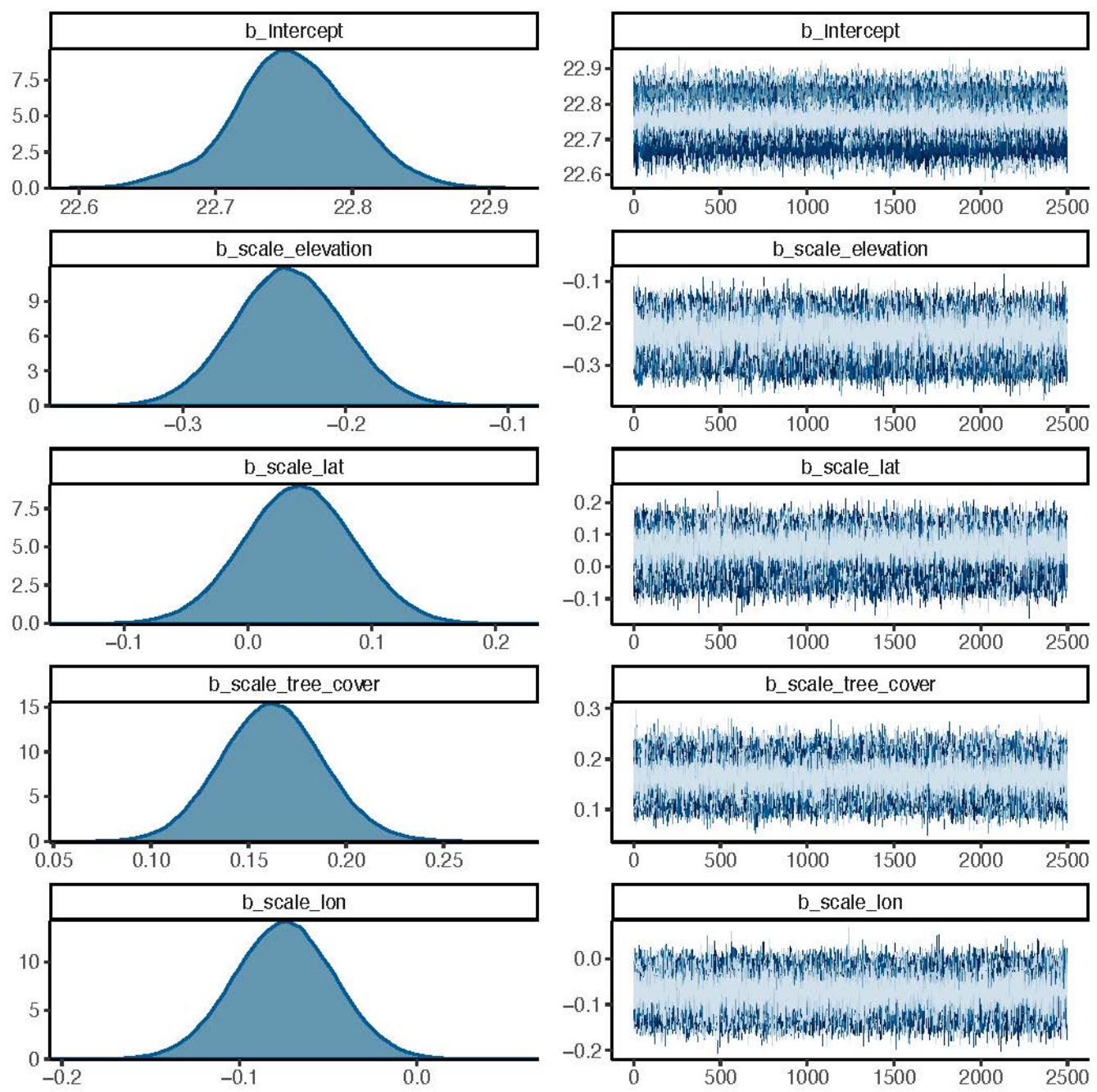


sigma

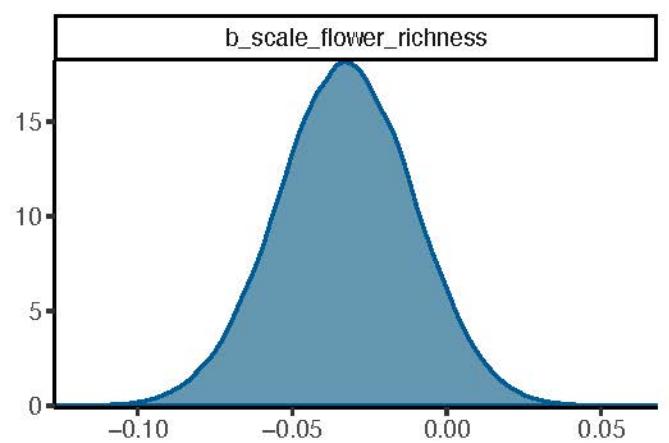




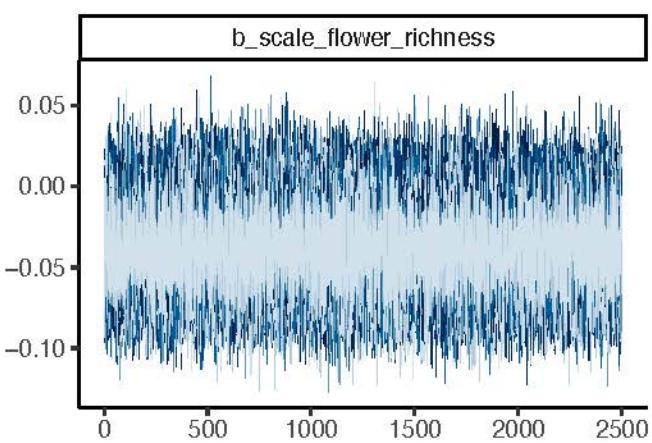
Facet diameter ( $\mu\text{m}$ )



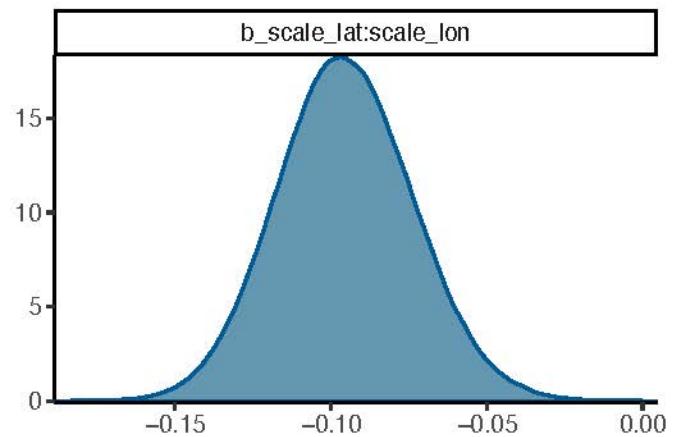
b\_scale\_flower\_richness



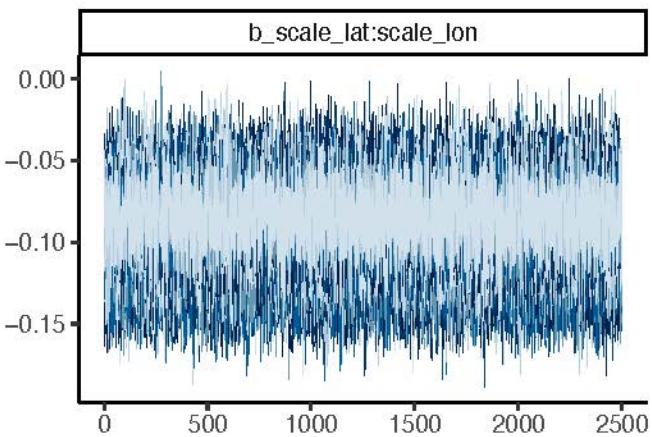
b\_scale\_flower\_richness



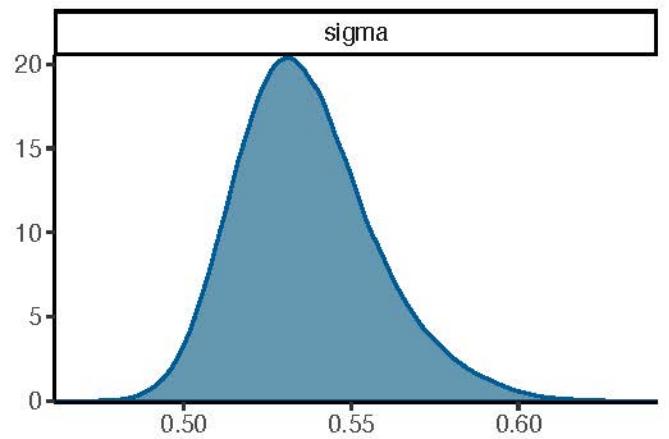
b\_scale\_lat:scale\_lon



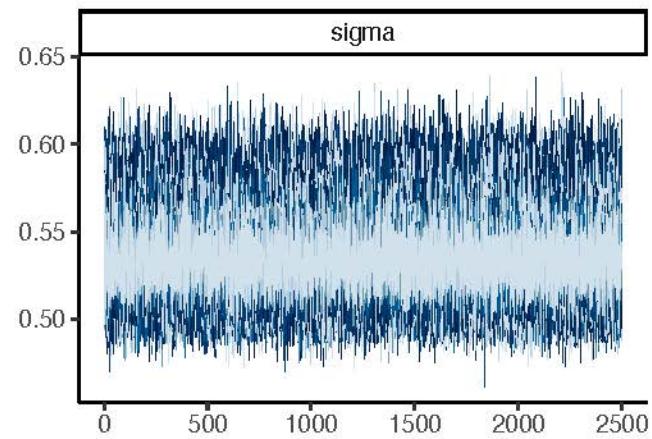
b\_scale\_lat:scale\_lon

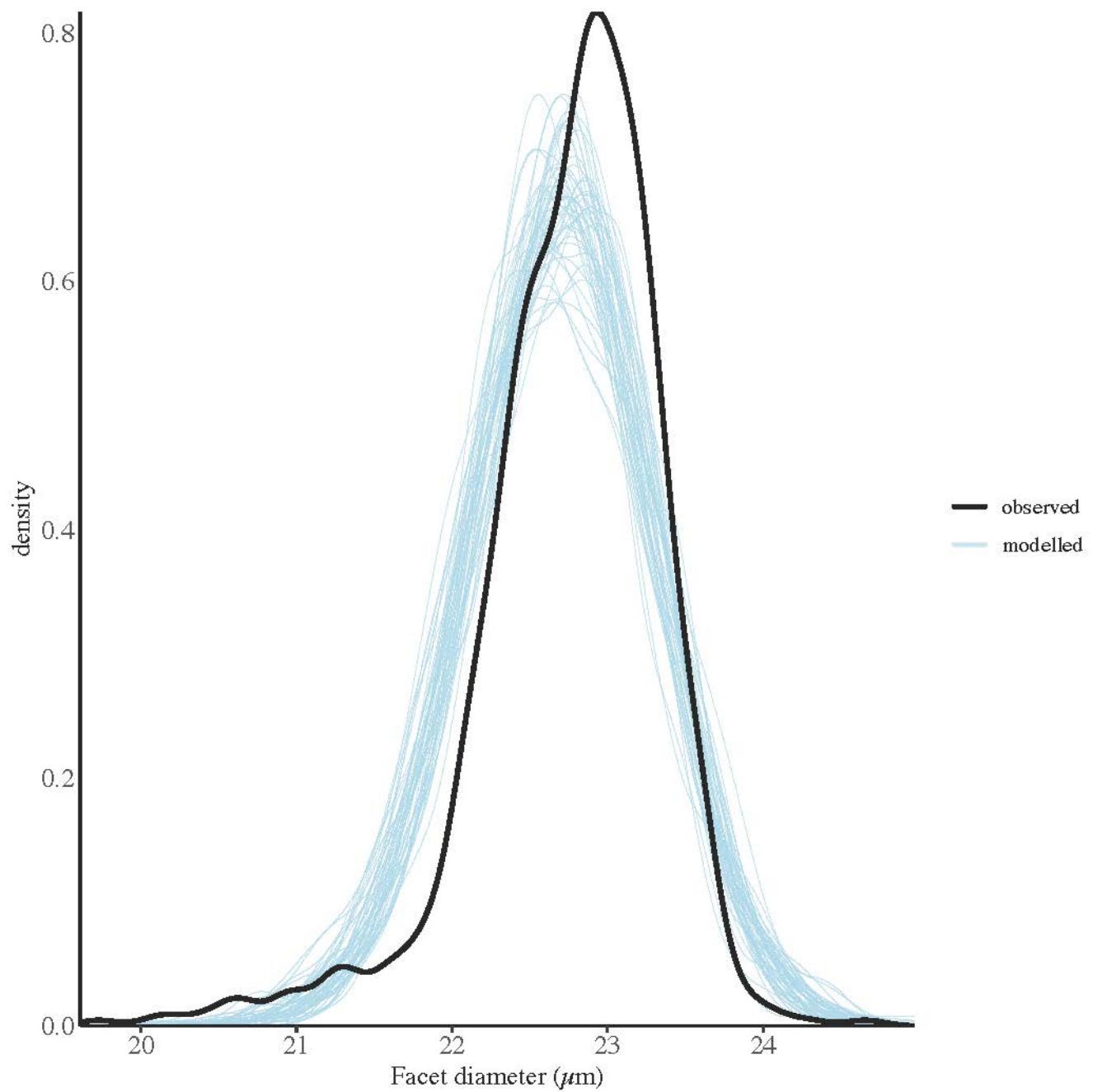


sigma

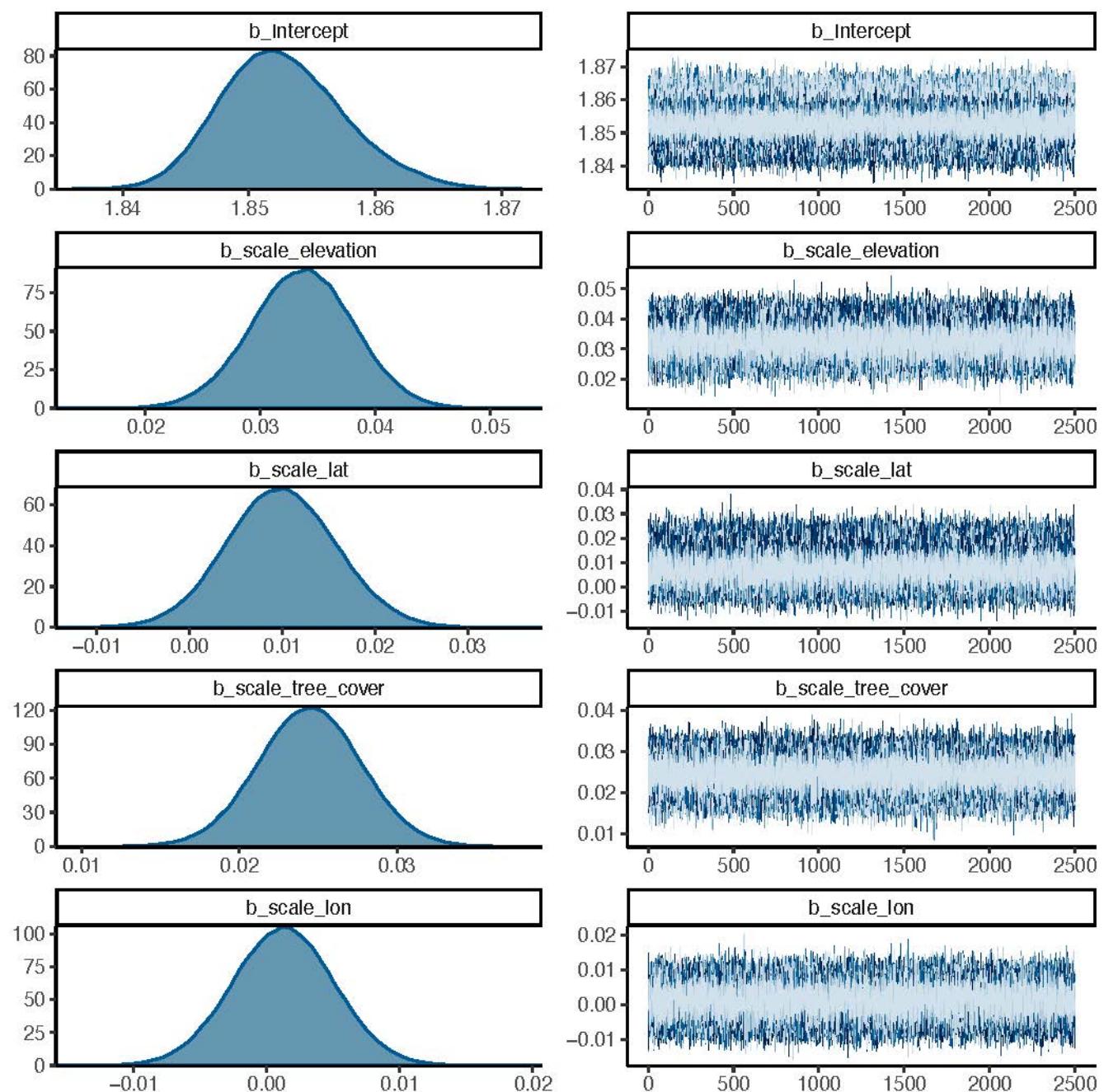


sigma

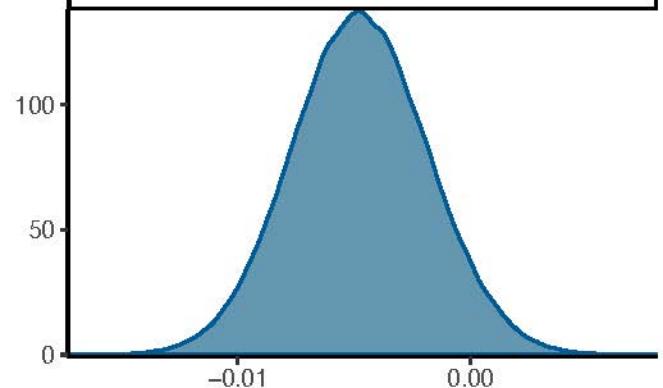




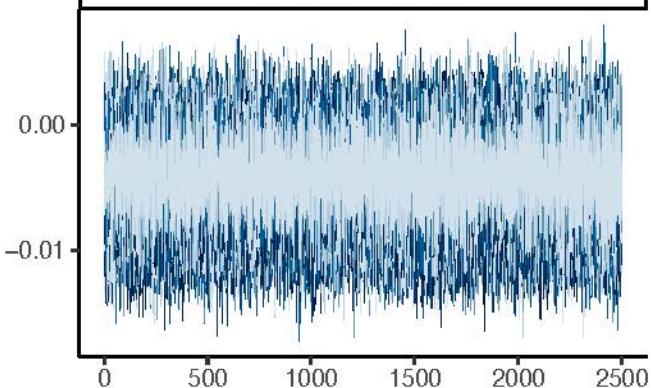
Inter-ommatidial angle ( $^{\circ}$ )



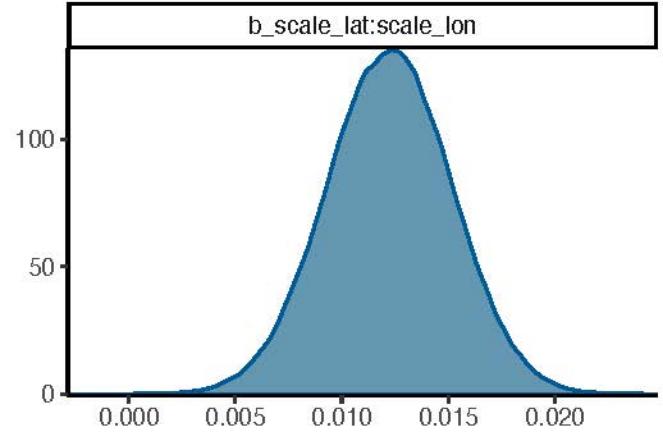
b\_scale\_flower\_richness



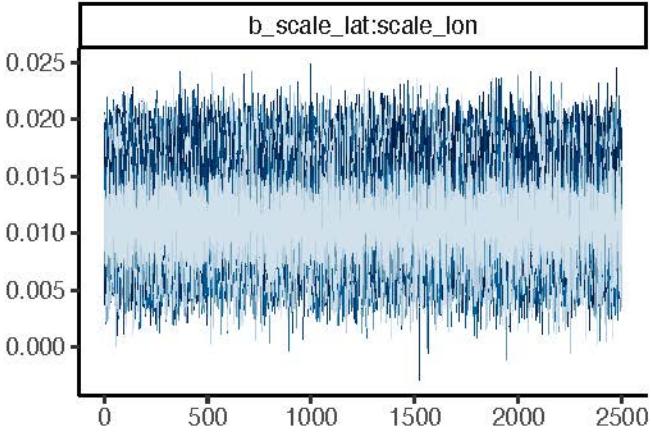
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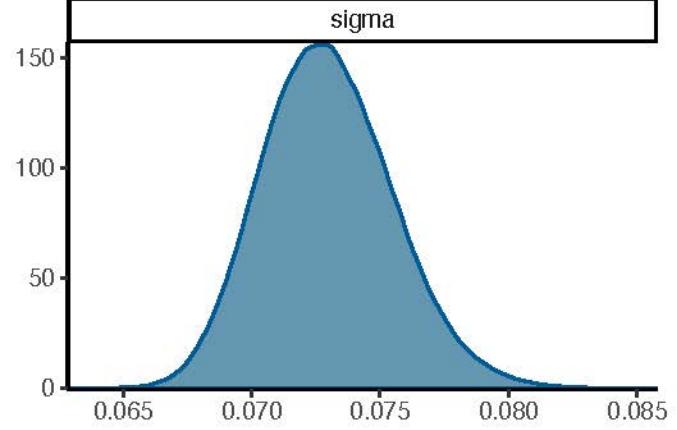
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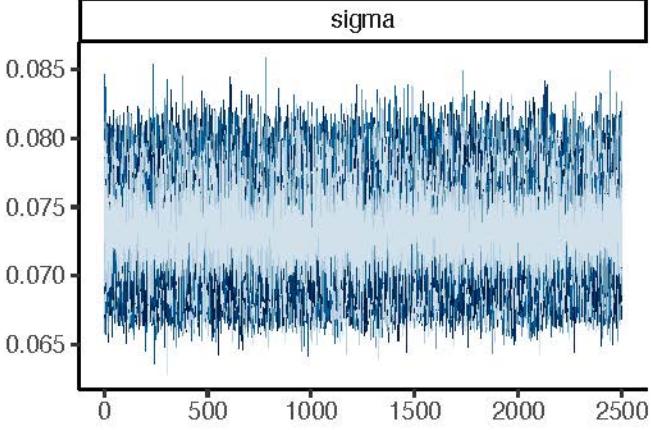
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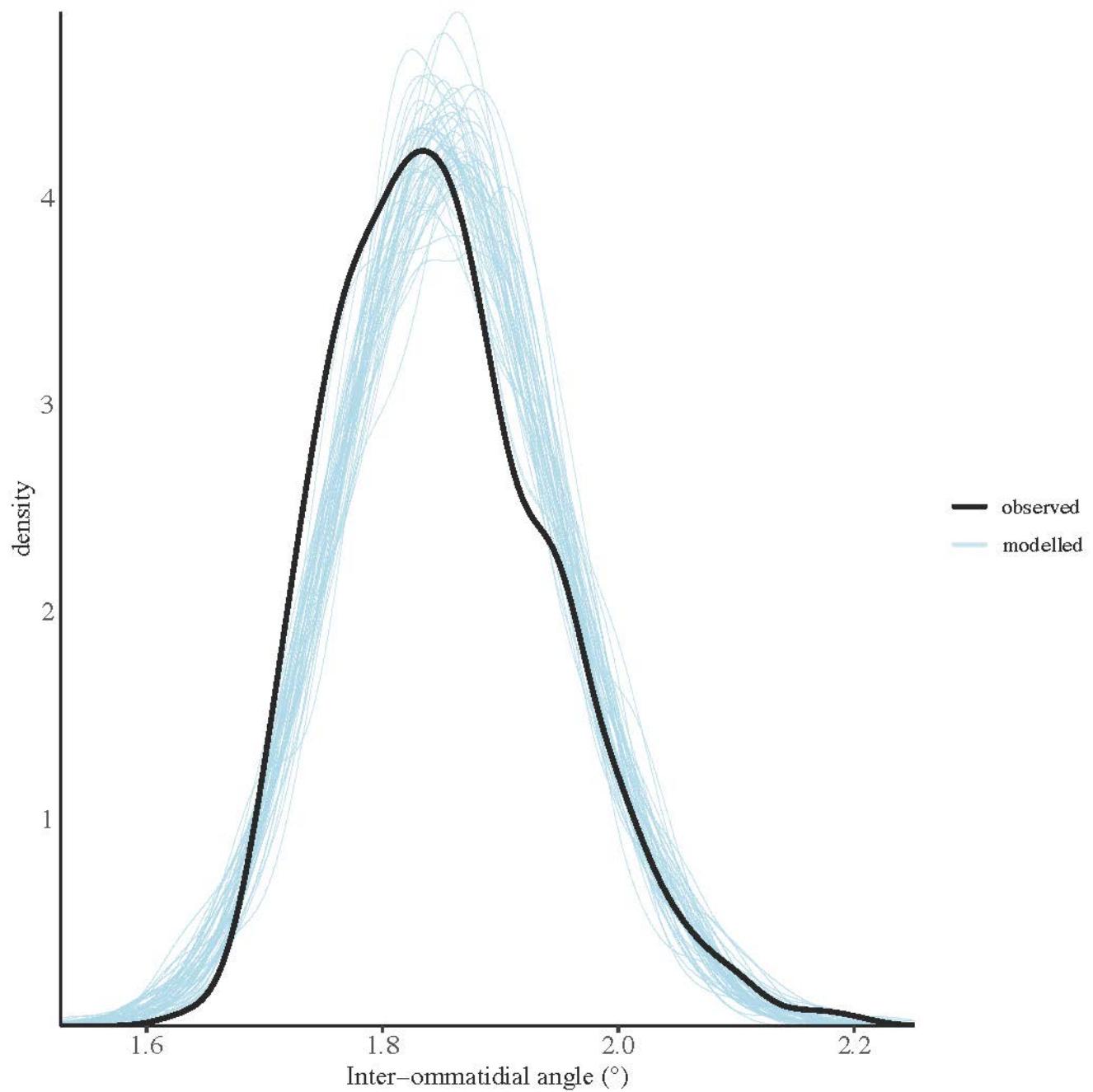


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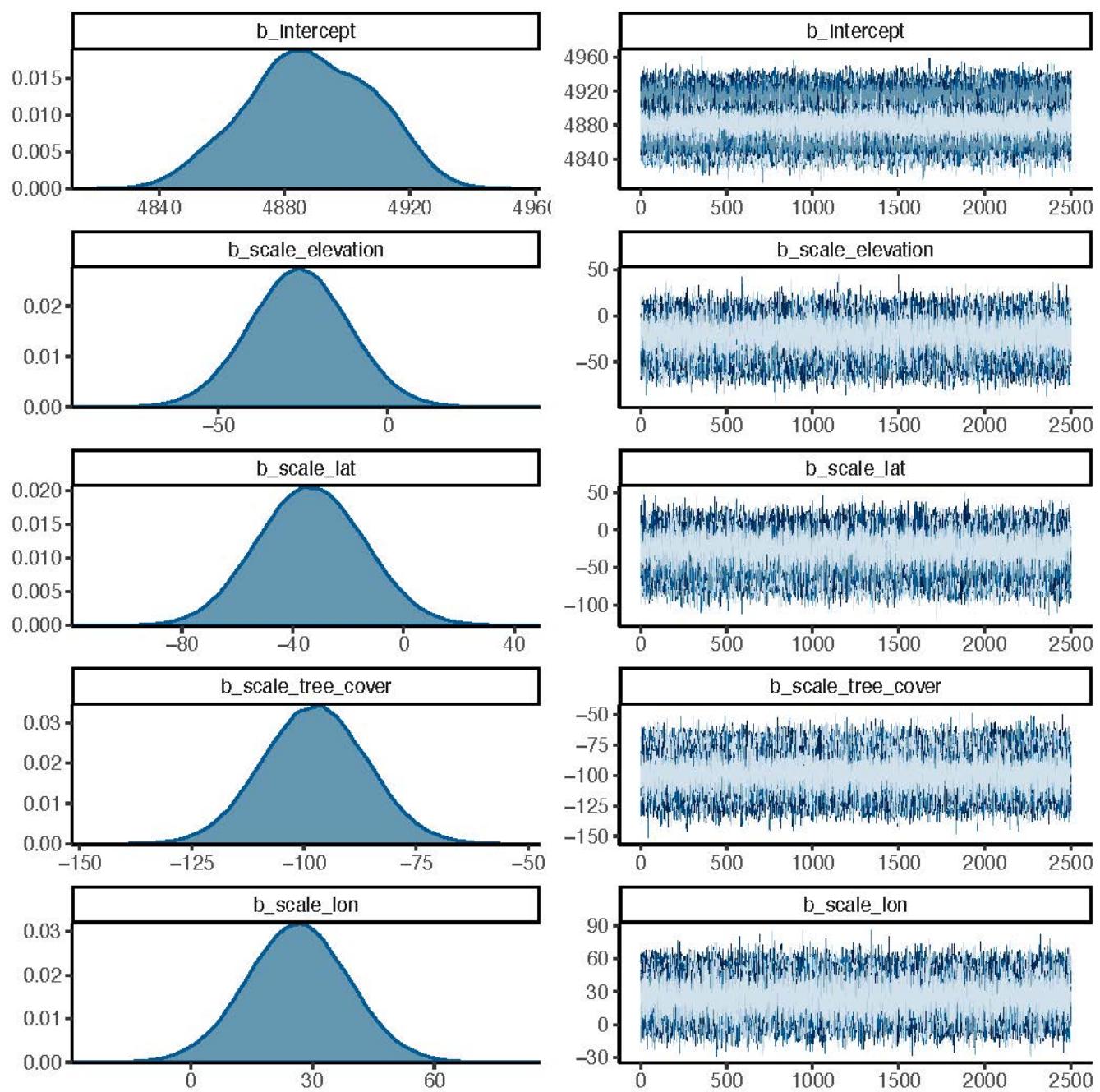


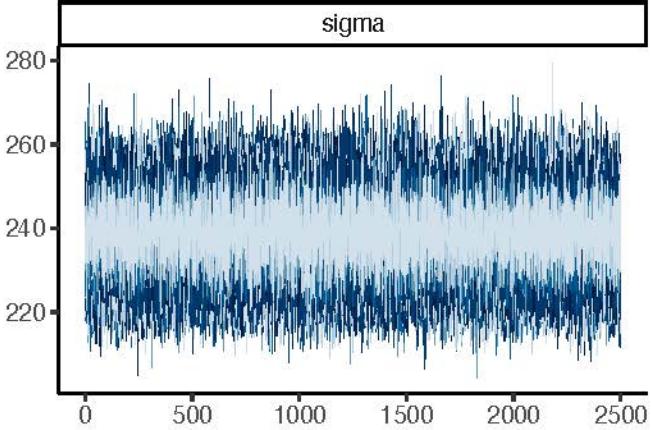
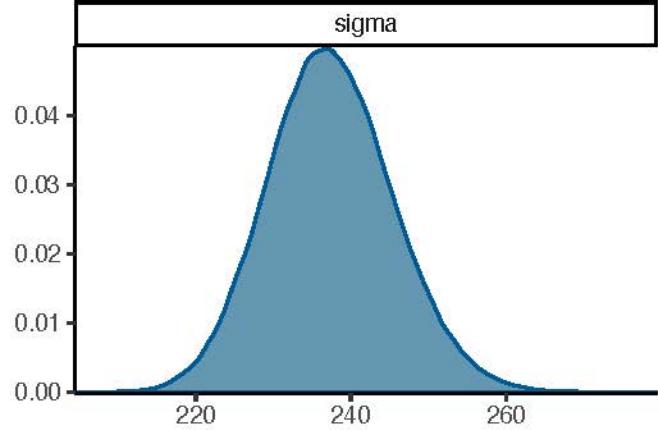
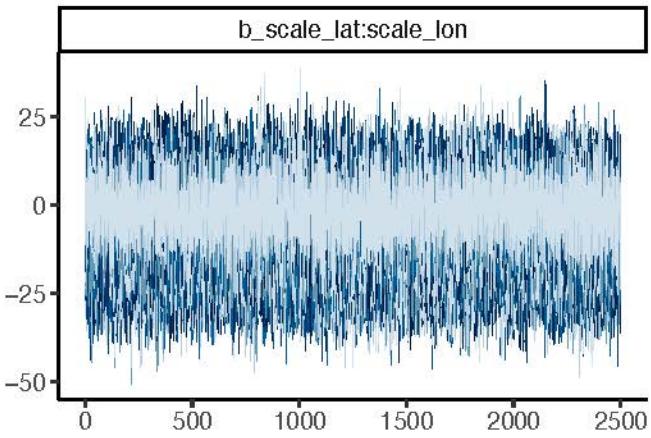
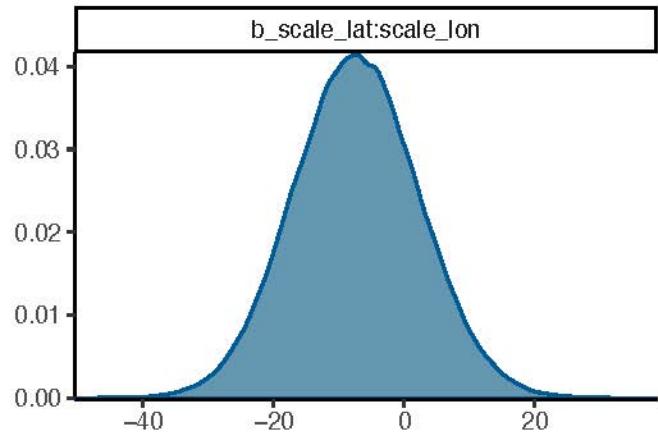
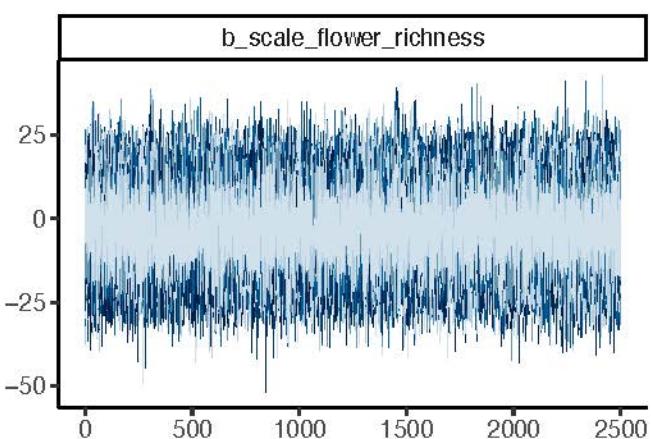
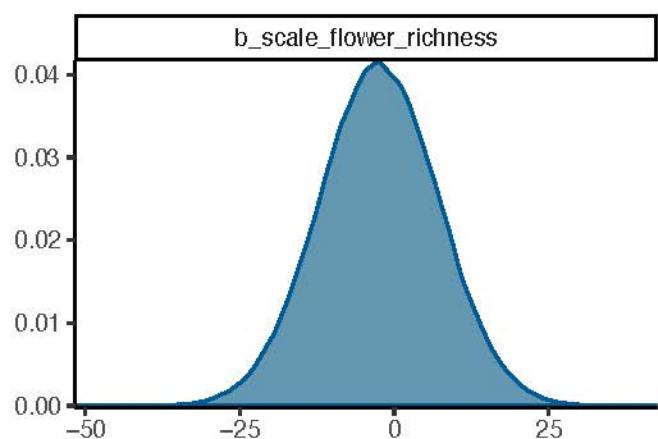
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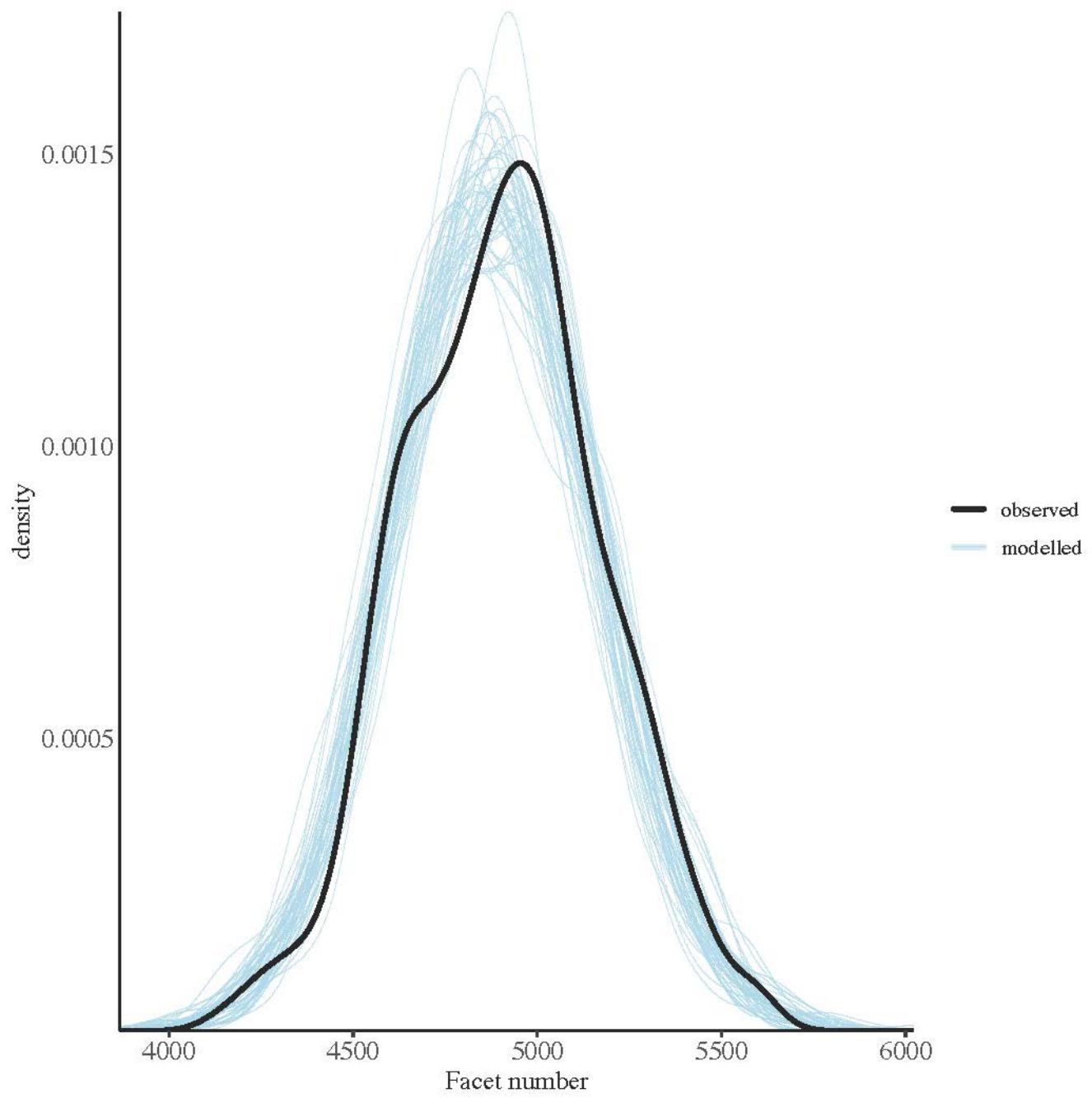




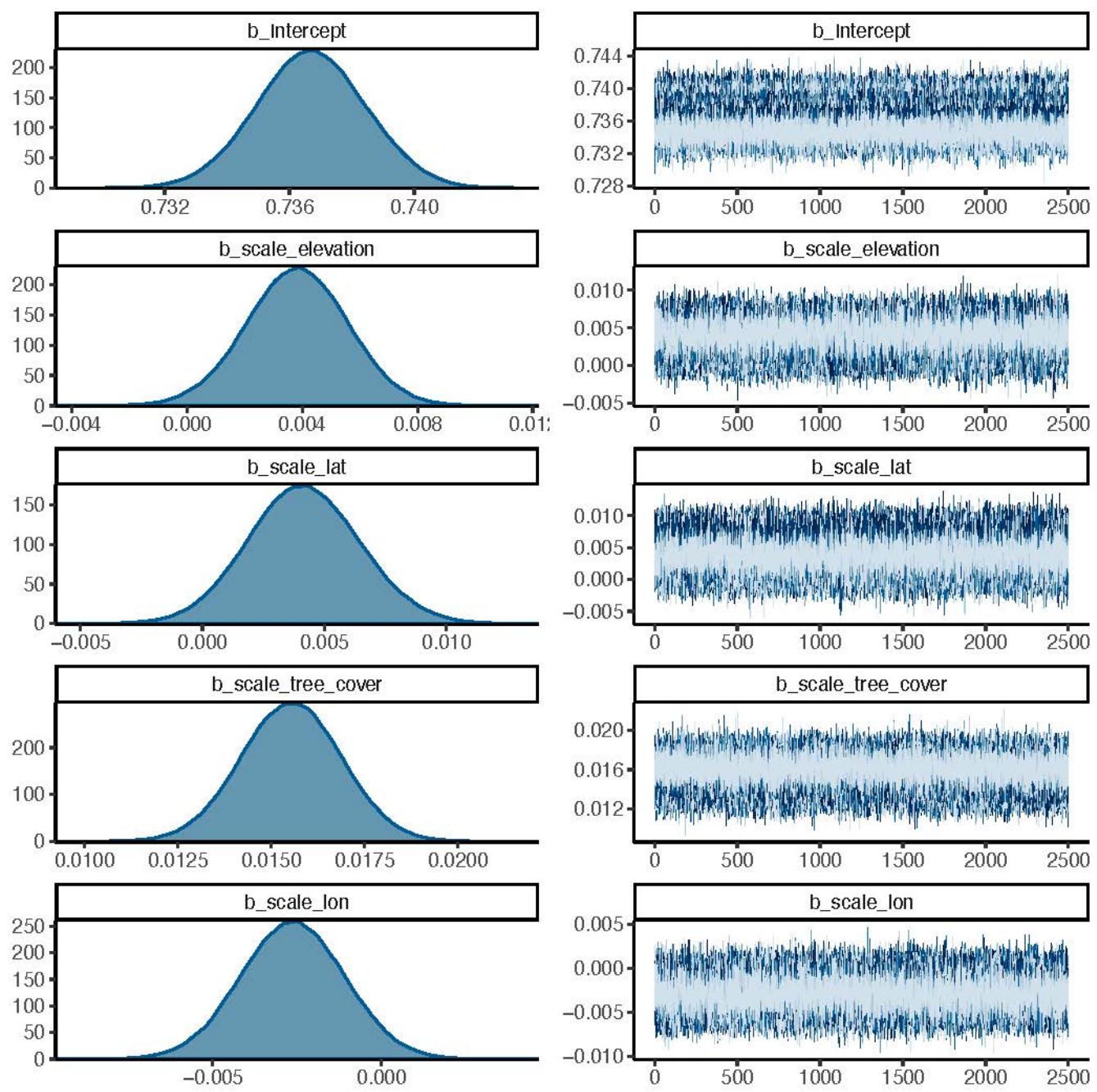
Facet number



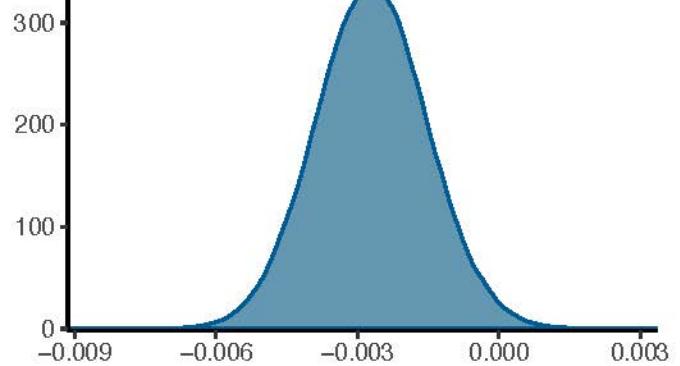




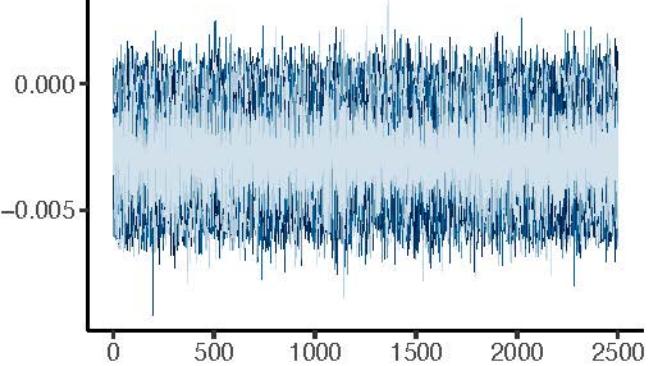
Eye parameter ( $\mu\text{m}.\text{rad}$ )



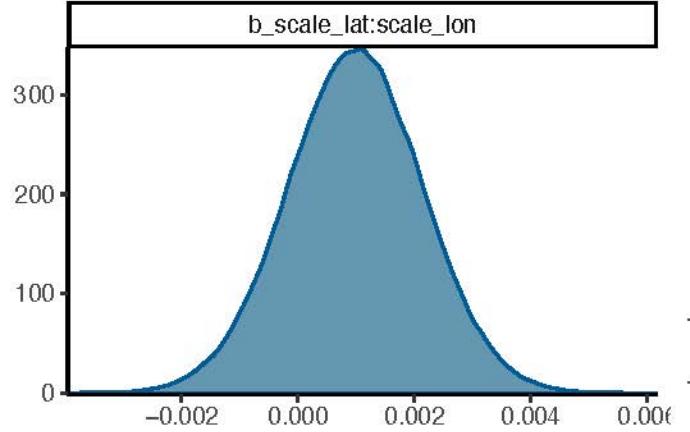
b\_scale\_flower\_richness



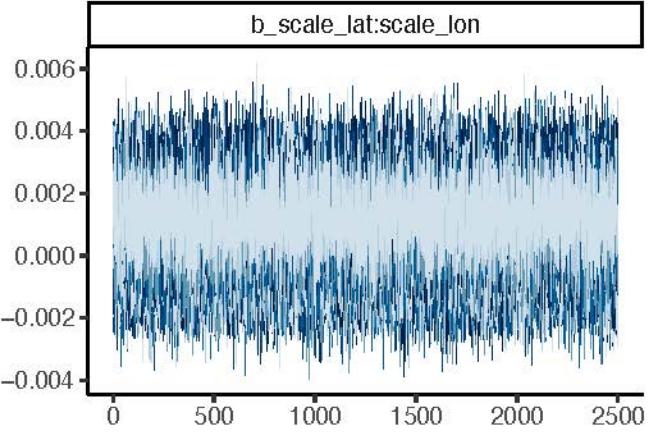
b\_scale\_flower\_richness



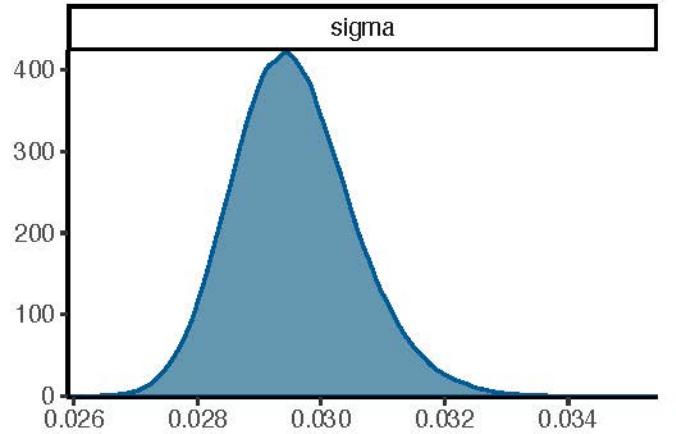
b\_scale\_lat:scale\_Ion



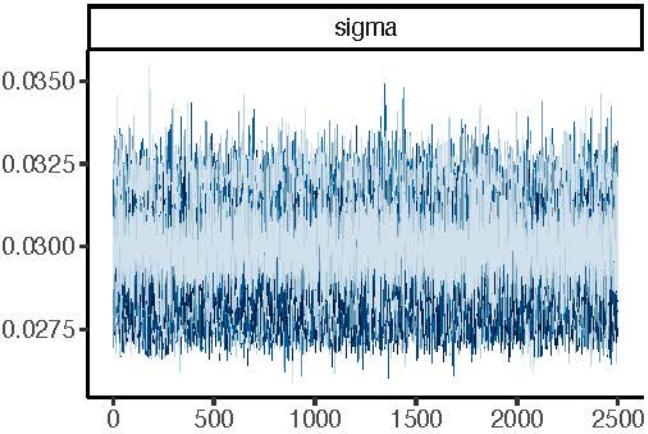
b\_scale\_lat:scale\_Ion

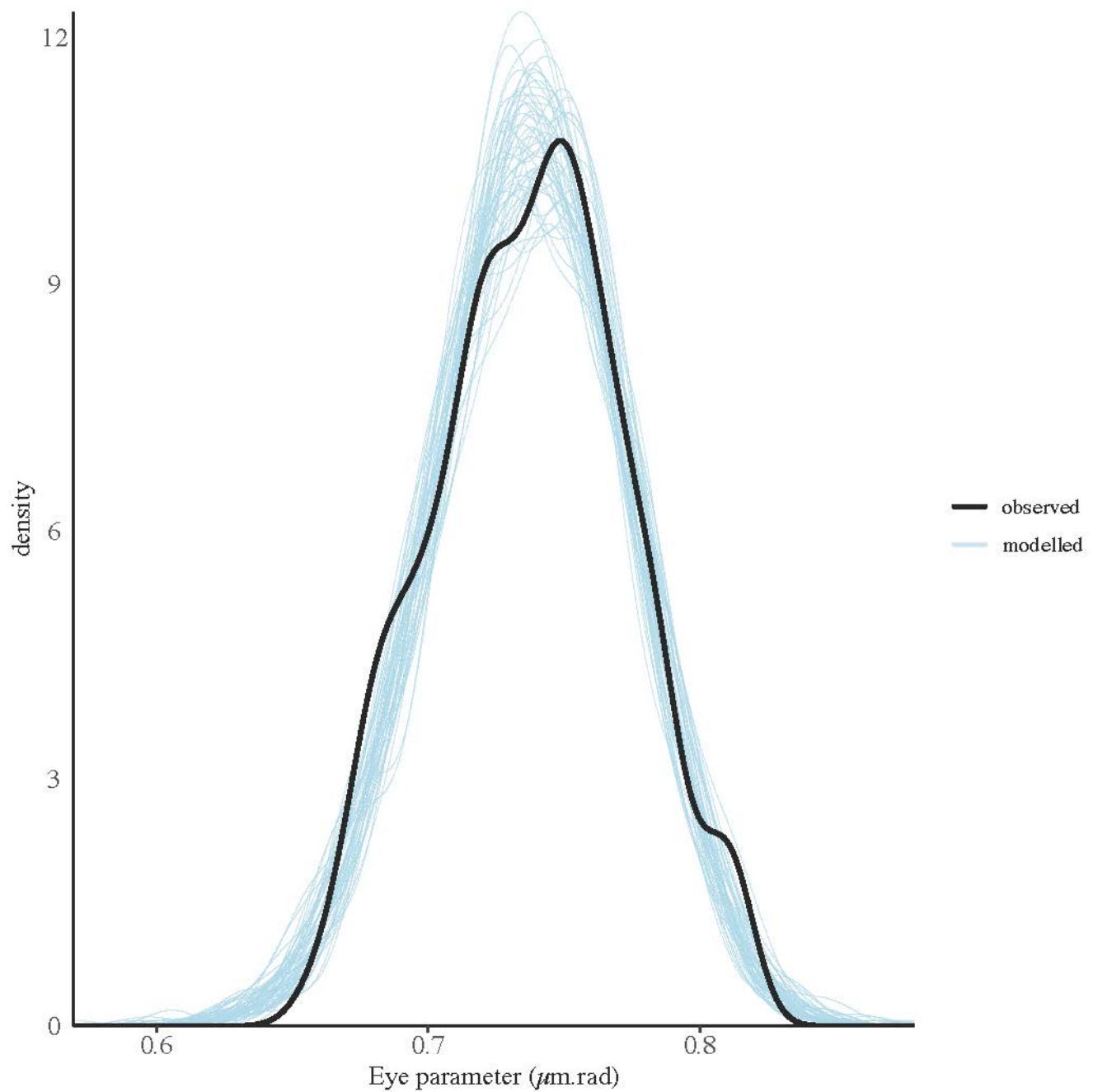


sigma

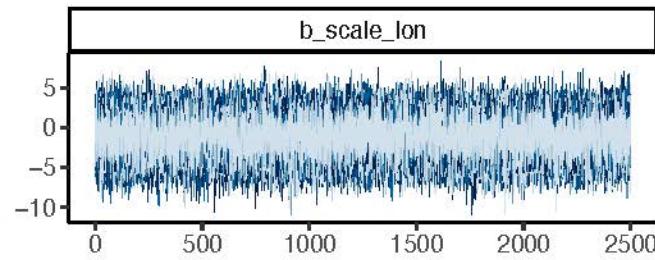
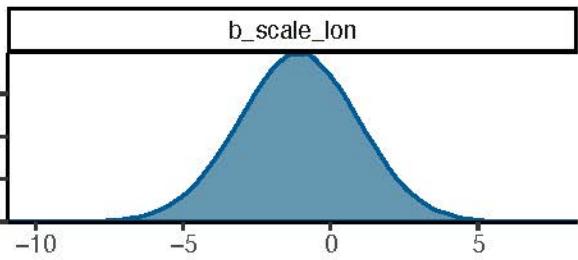
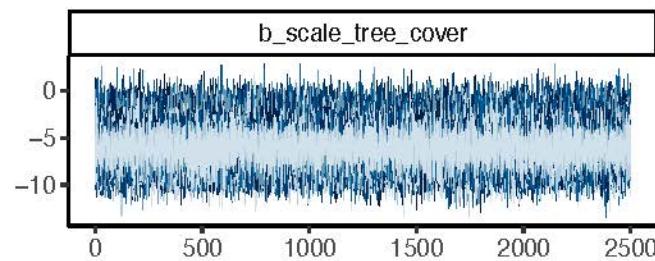
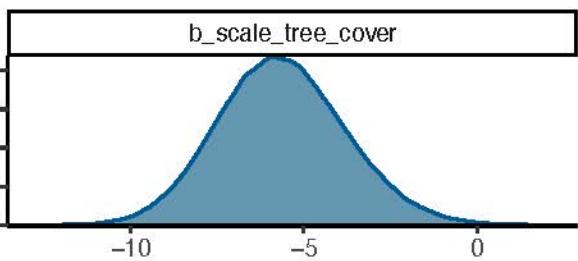
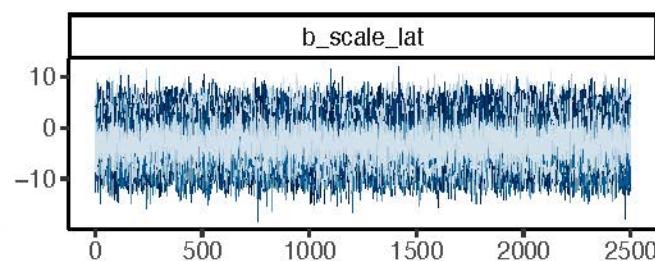
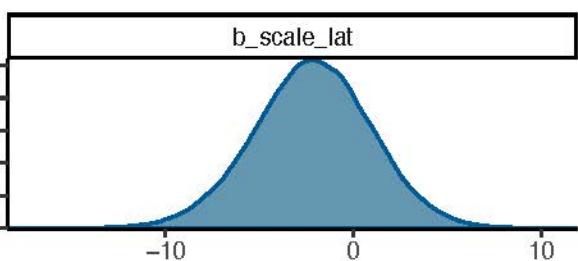
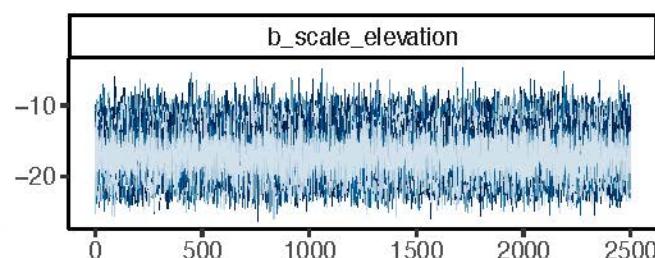
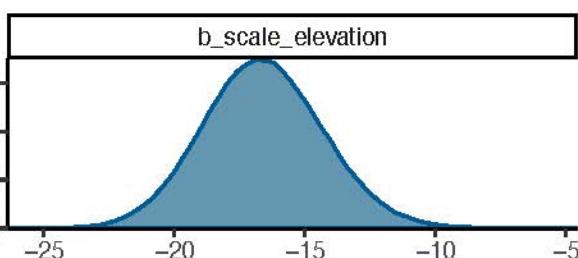
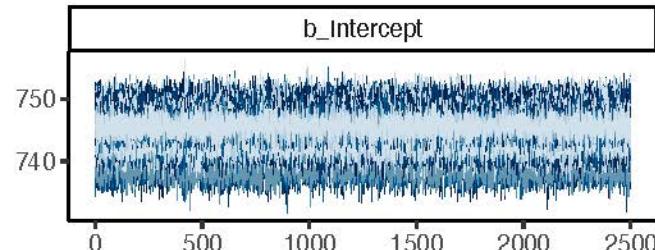
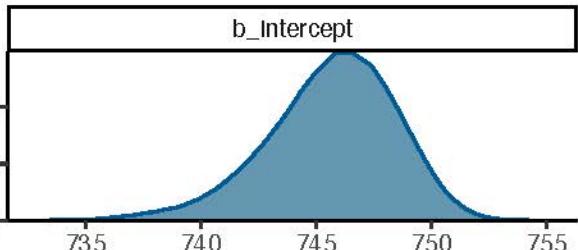


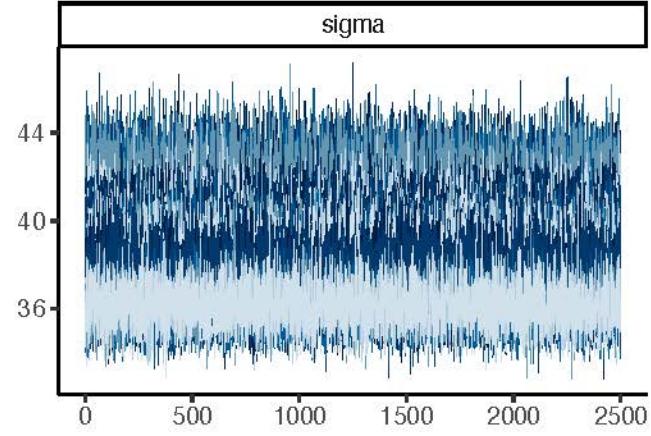
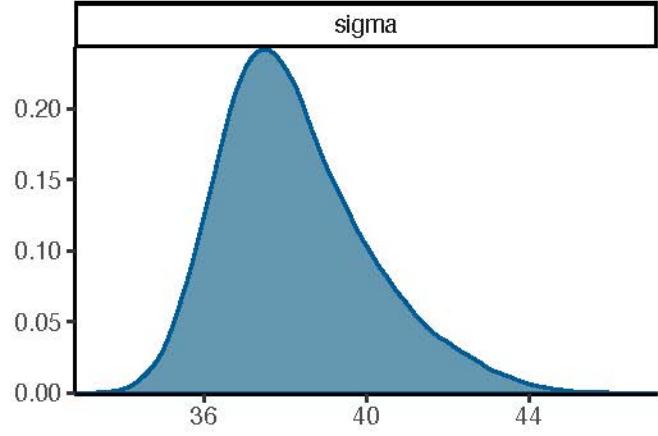
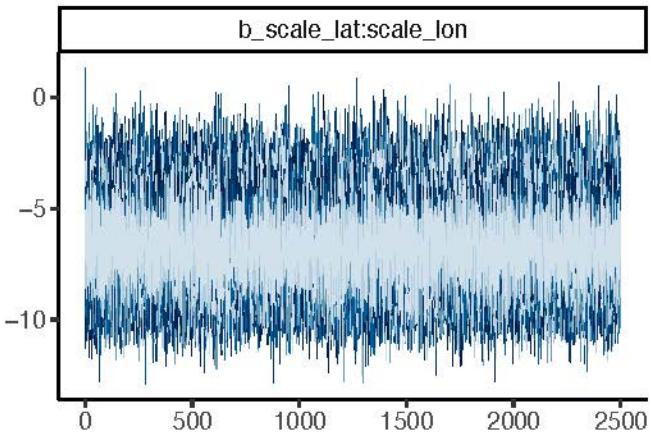
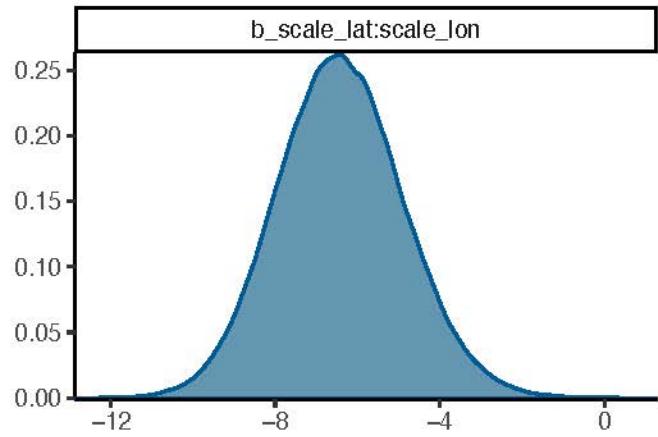
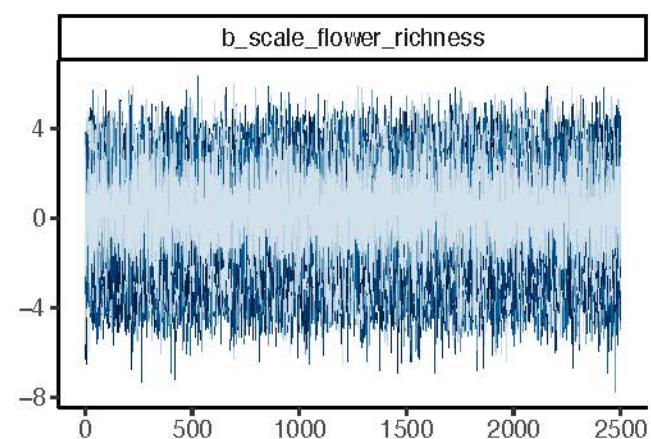
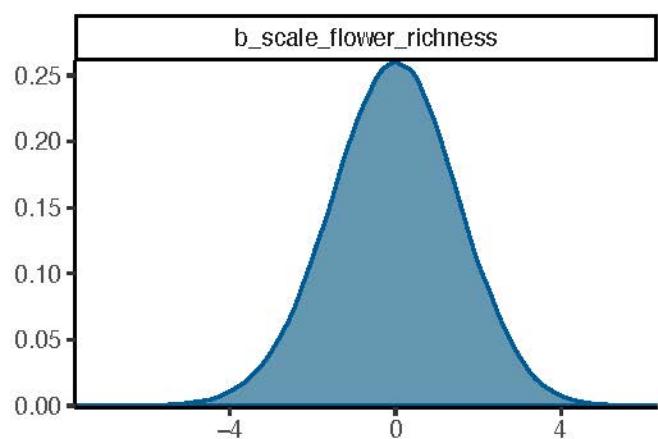
sigma

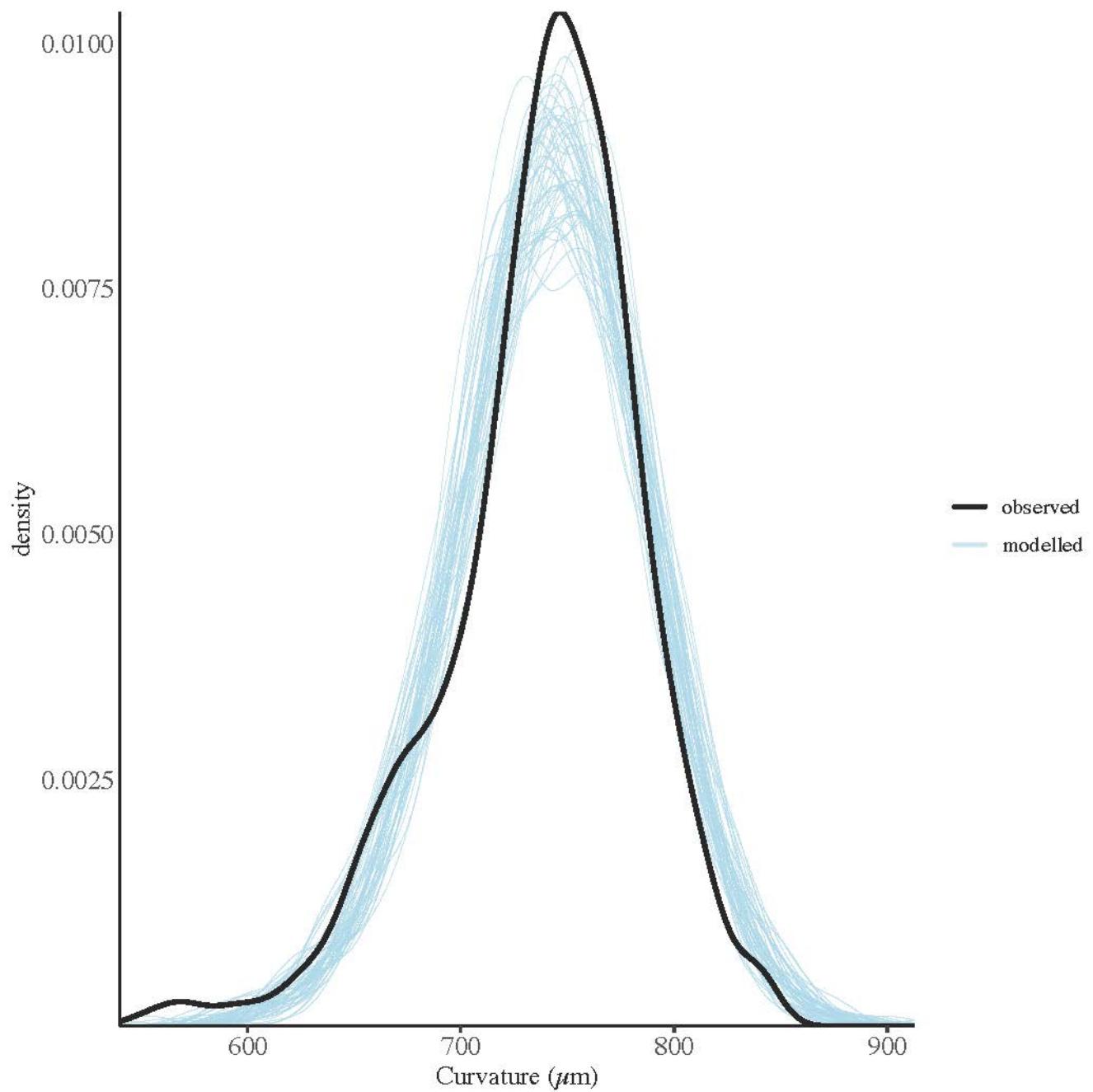




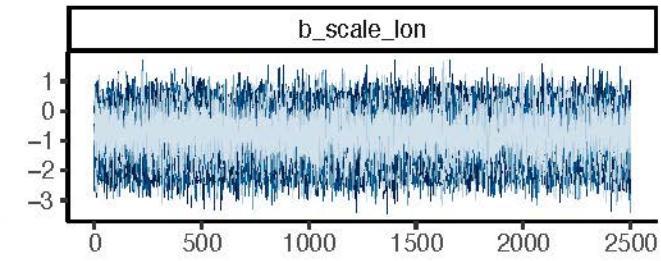
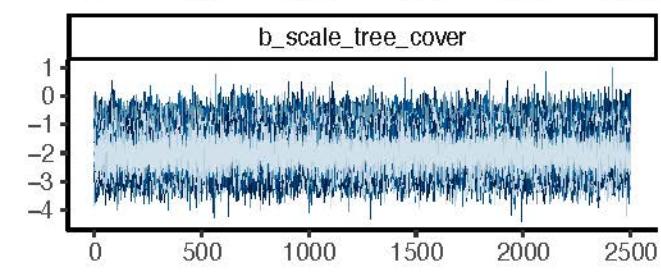
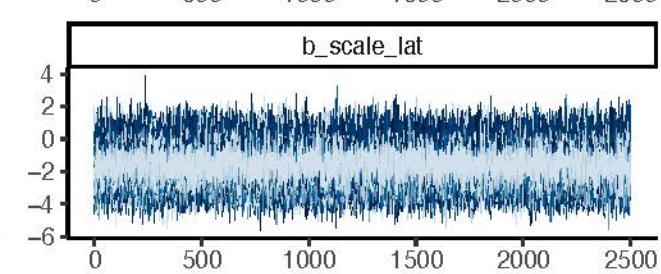
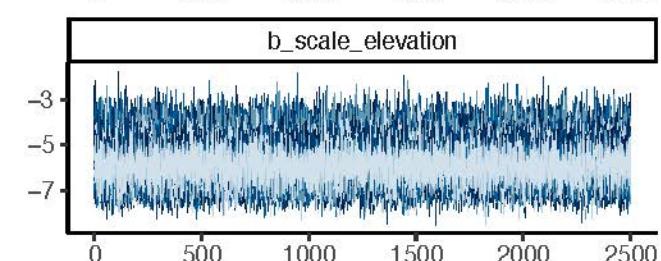
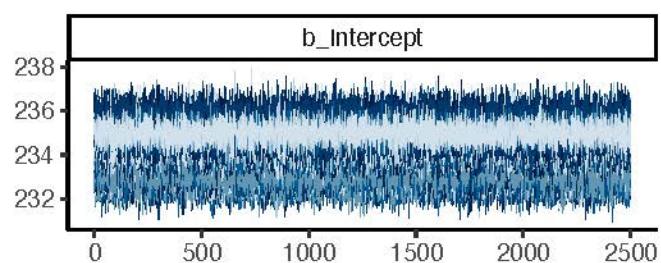
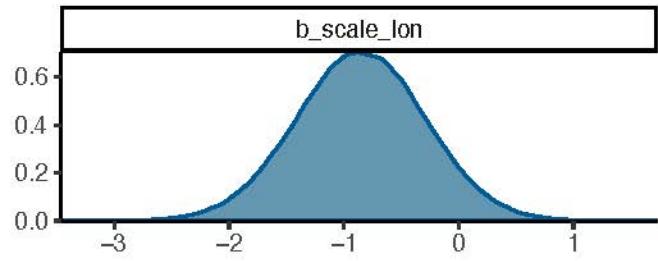
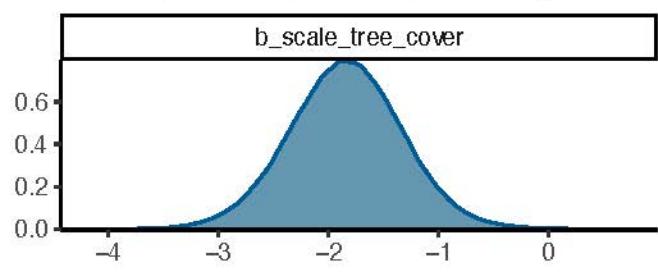
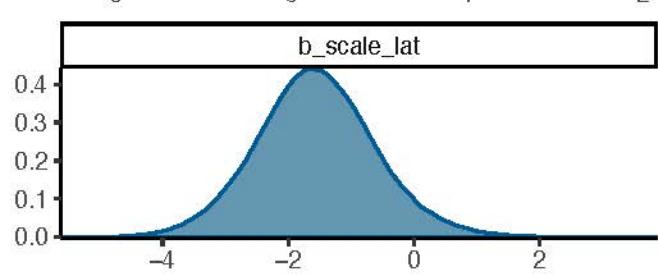
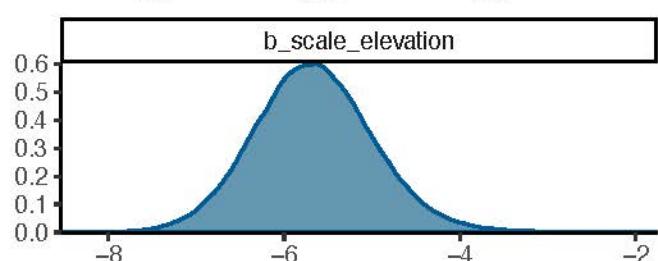
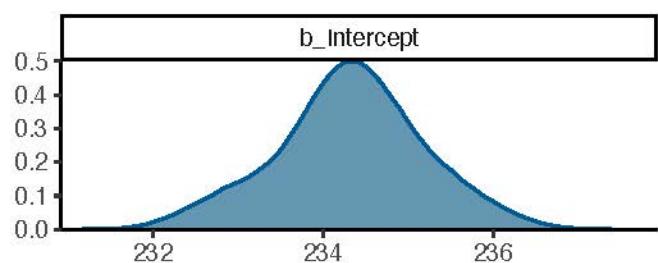
Curvature ( $\mu\text{m}$ )



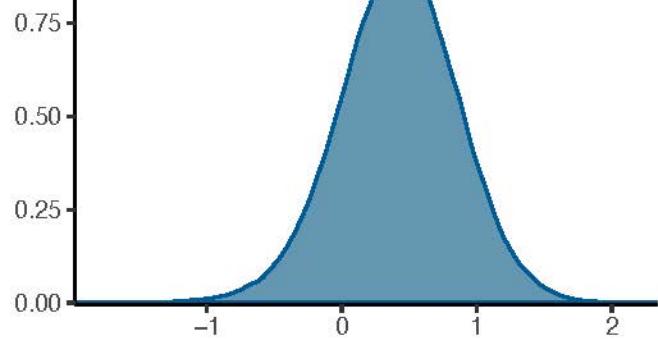




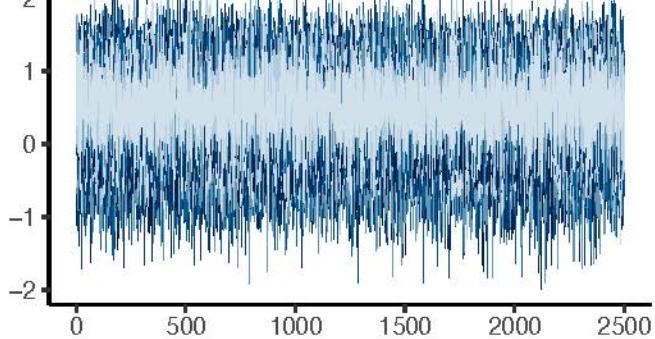
Central ocellus diameter ( $\mu\text{m}$ )



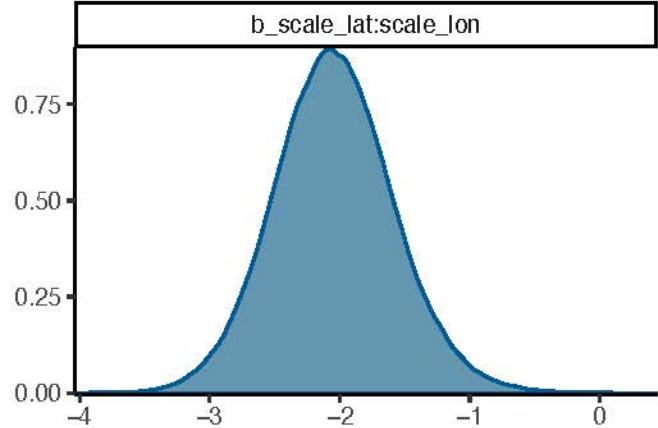
b\_scale\_flower\_richness



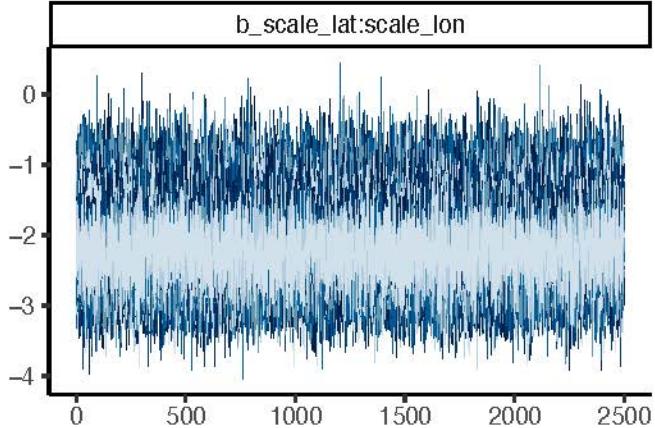
b\_scale\_flower\_richness



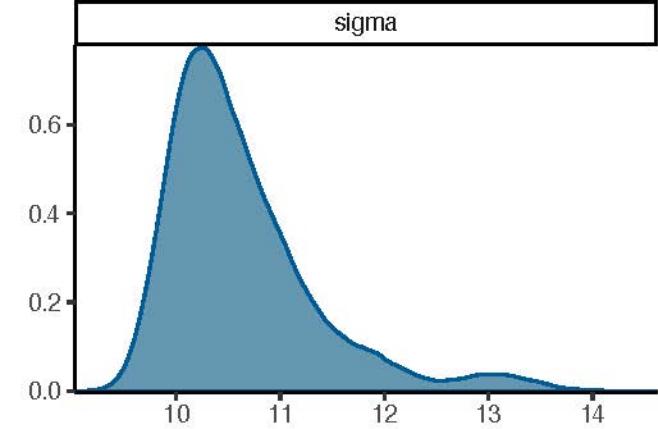
b\_scale\_lat:scale\_ion



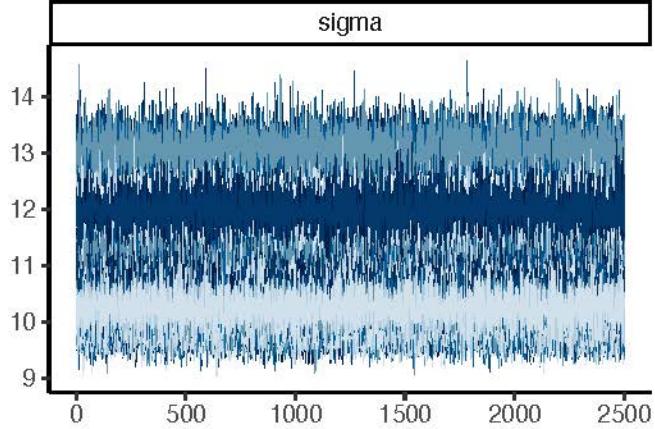
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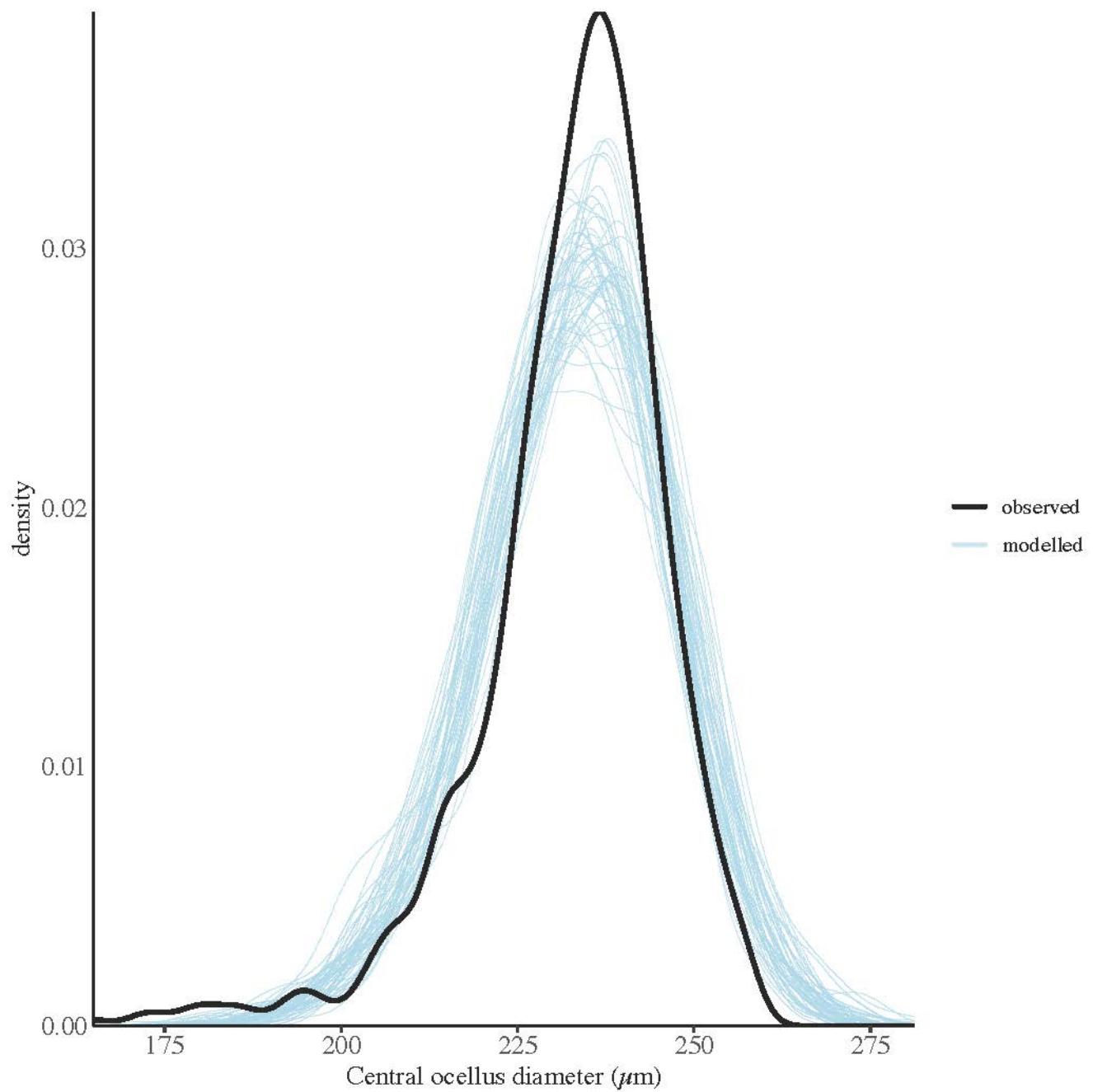


sigma

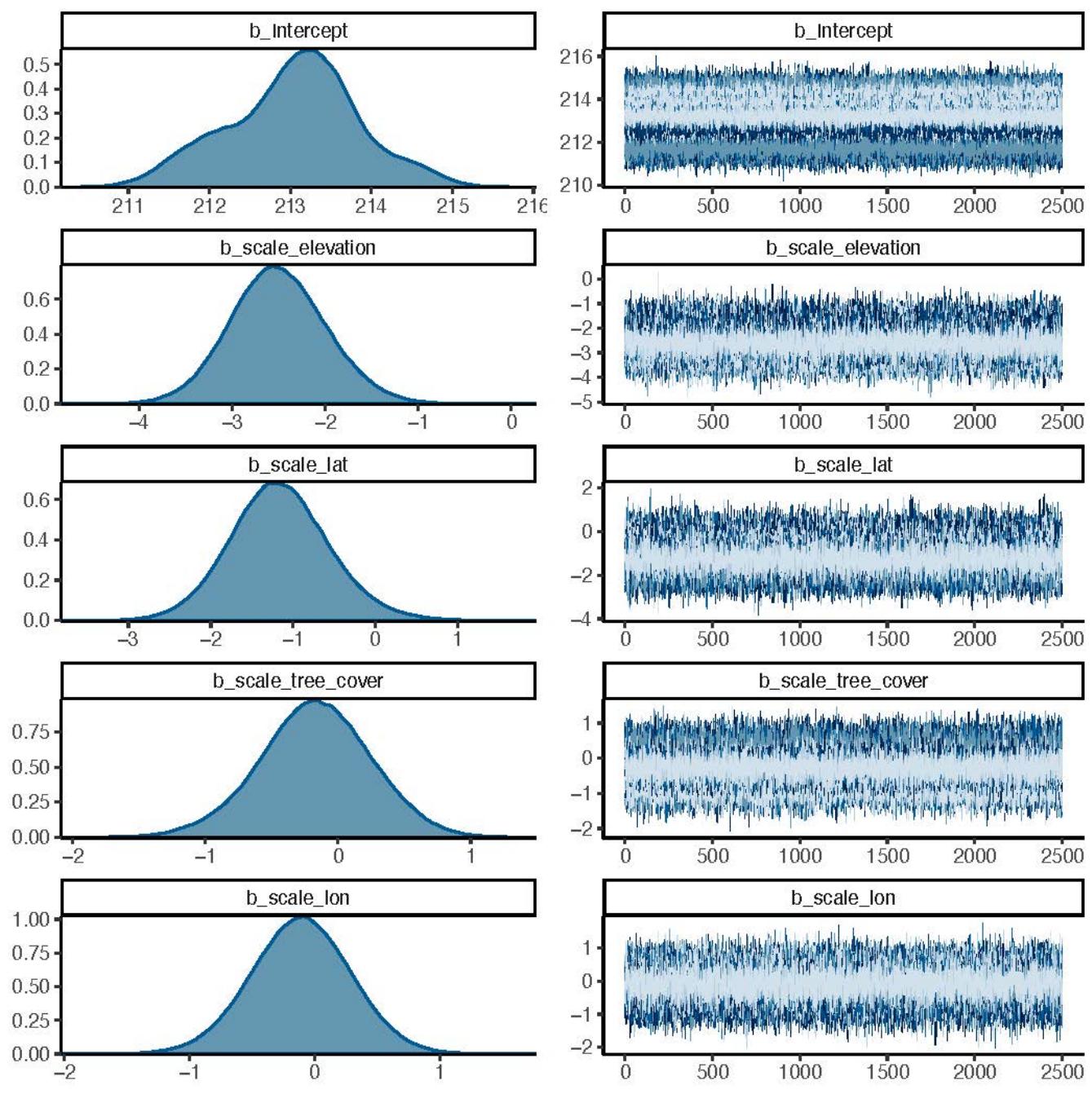


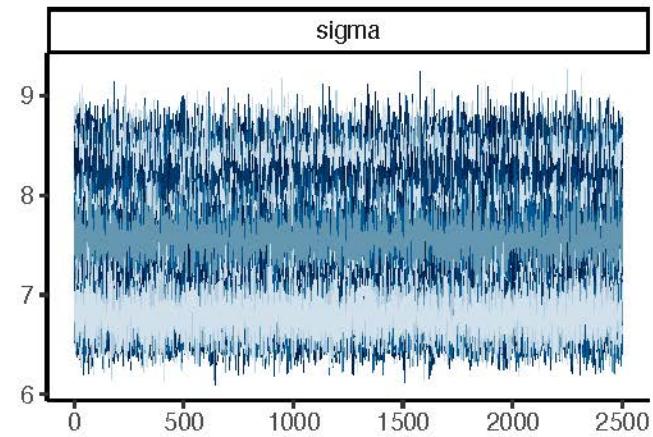
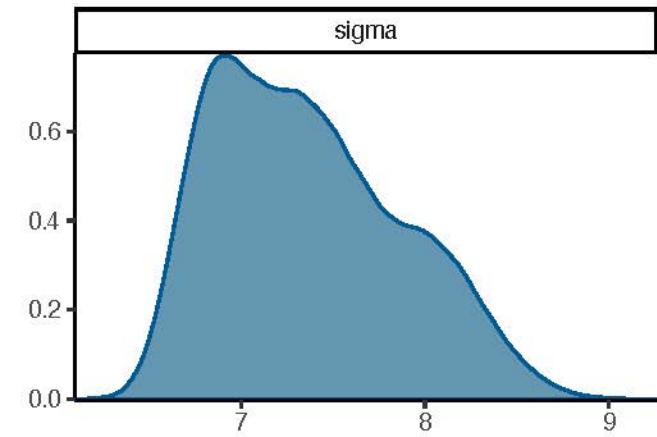
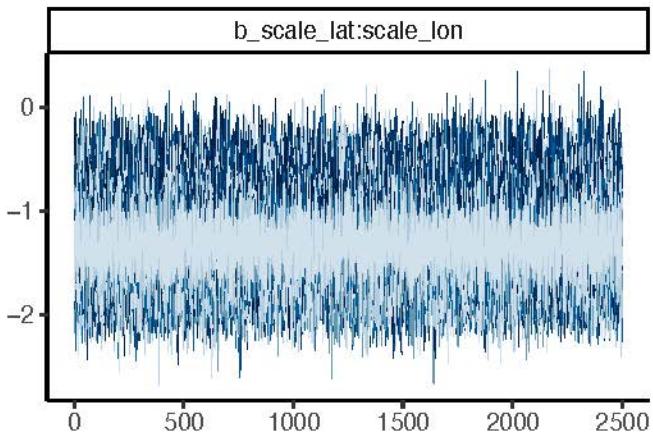
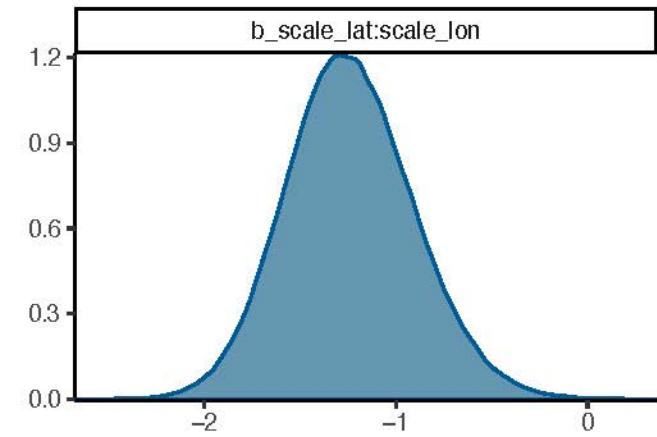
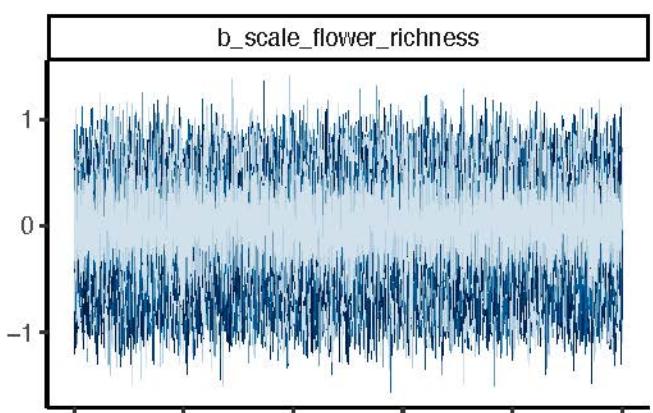
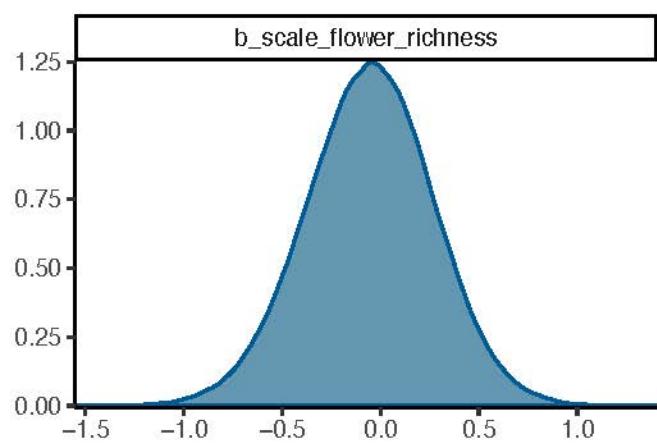
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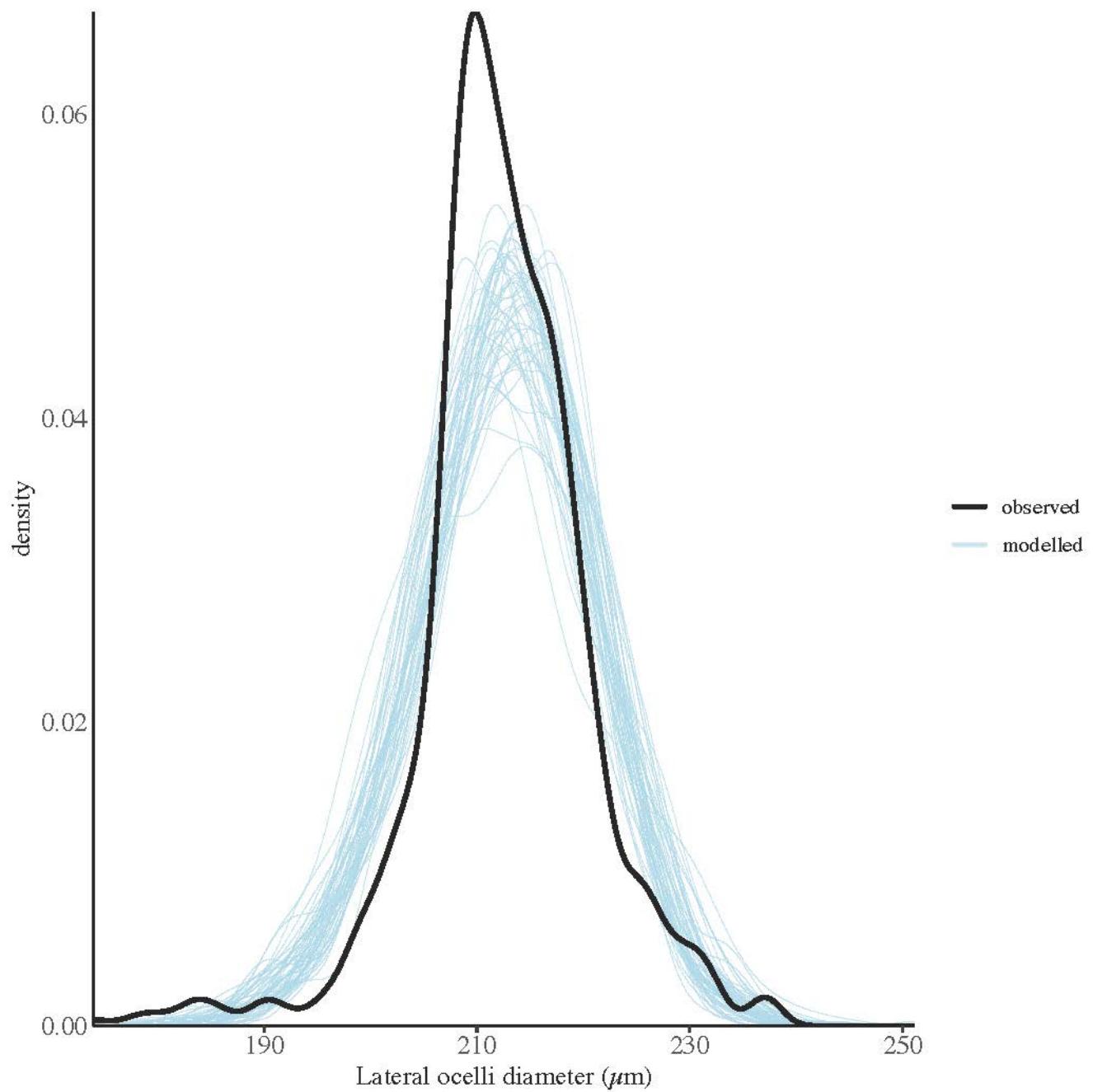




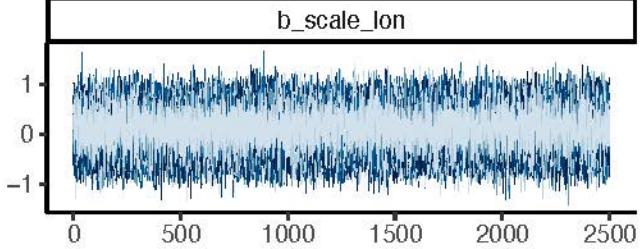
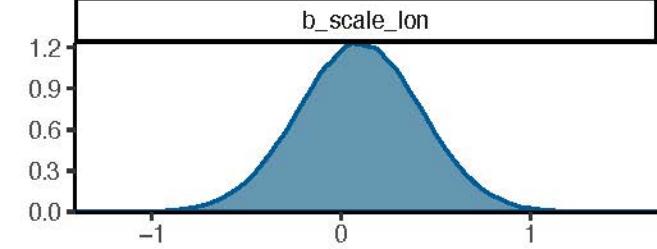
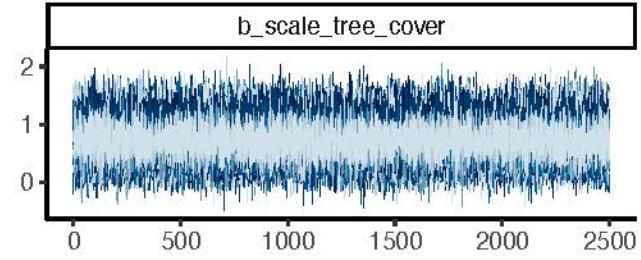
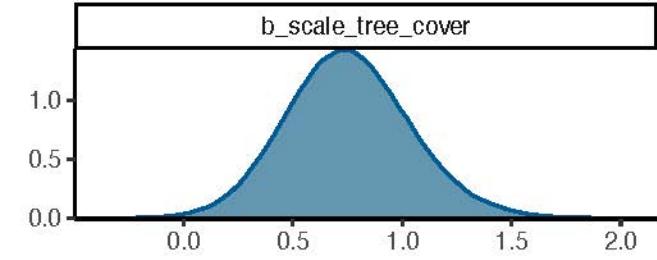
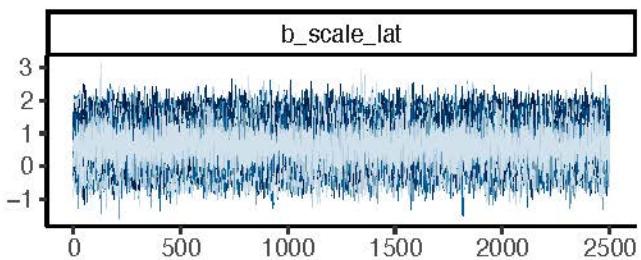
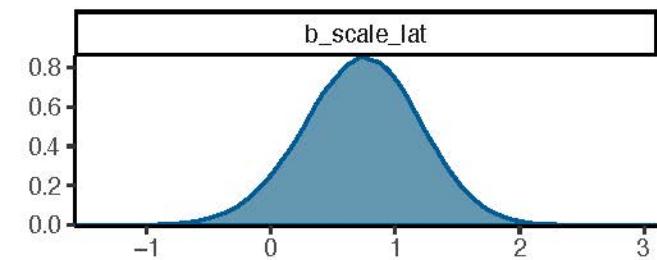
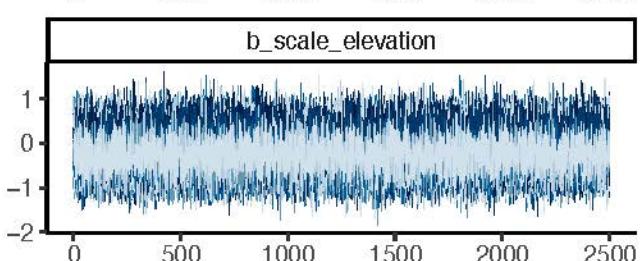
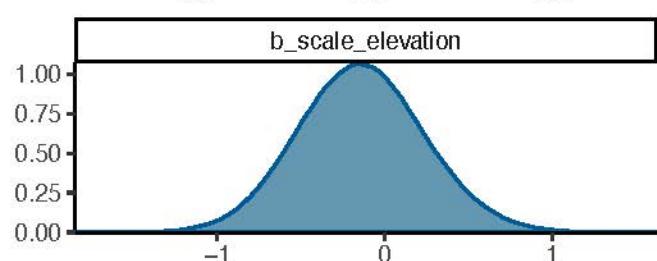
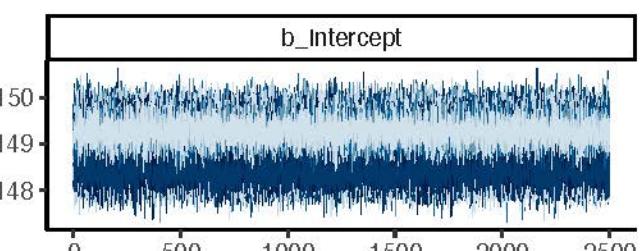
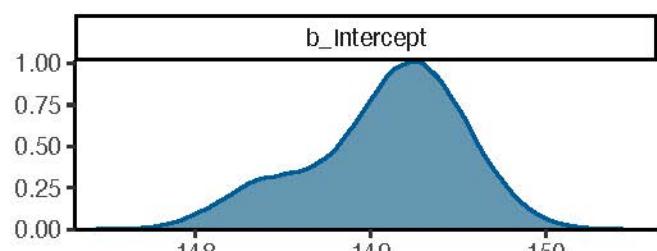
Lateral ocelli diameter ( $\mu\text{m}$ )

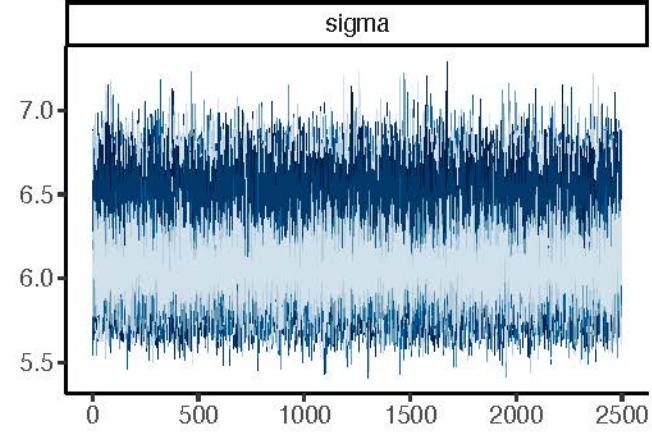
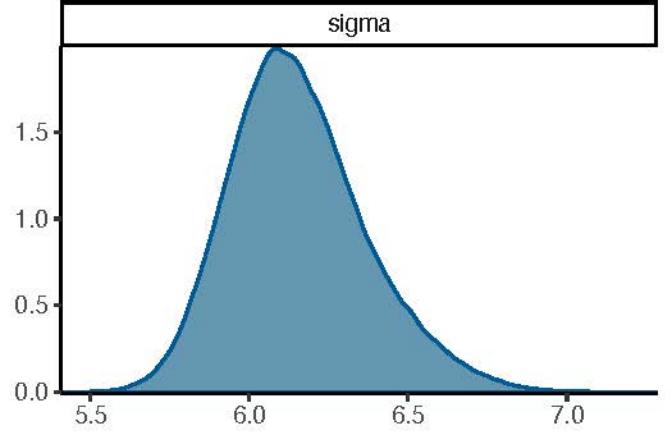
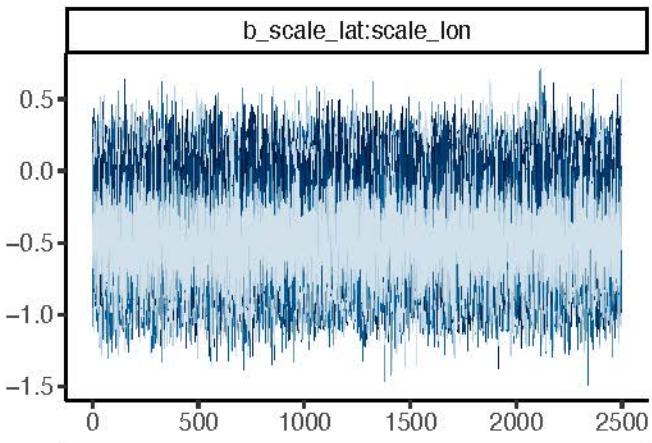
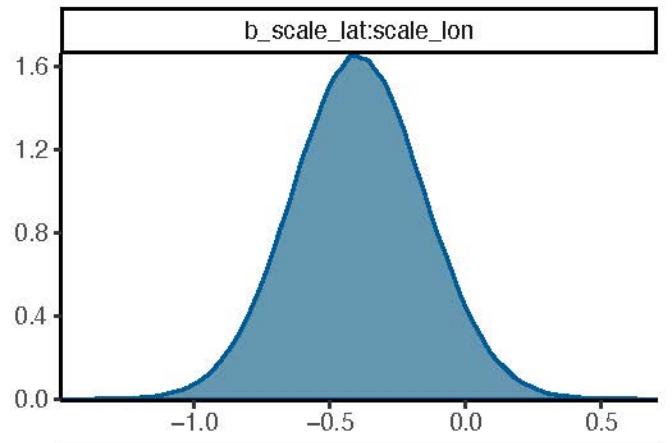
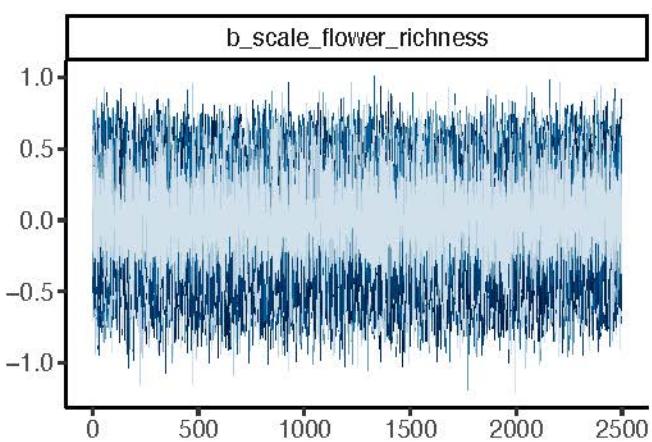
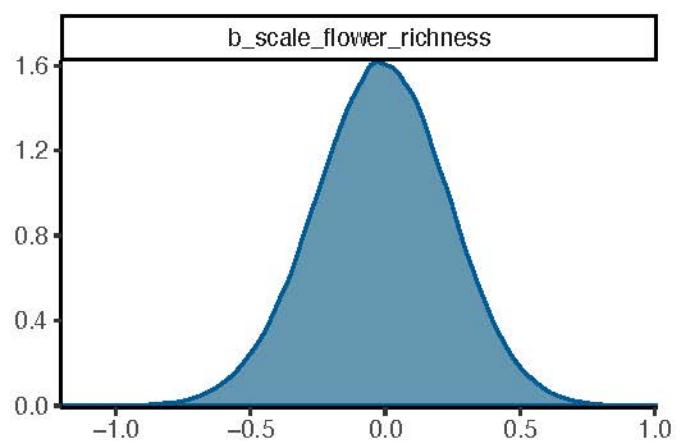


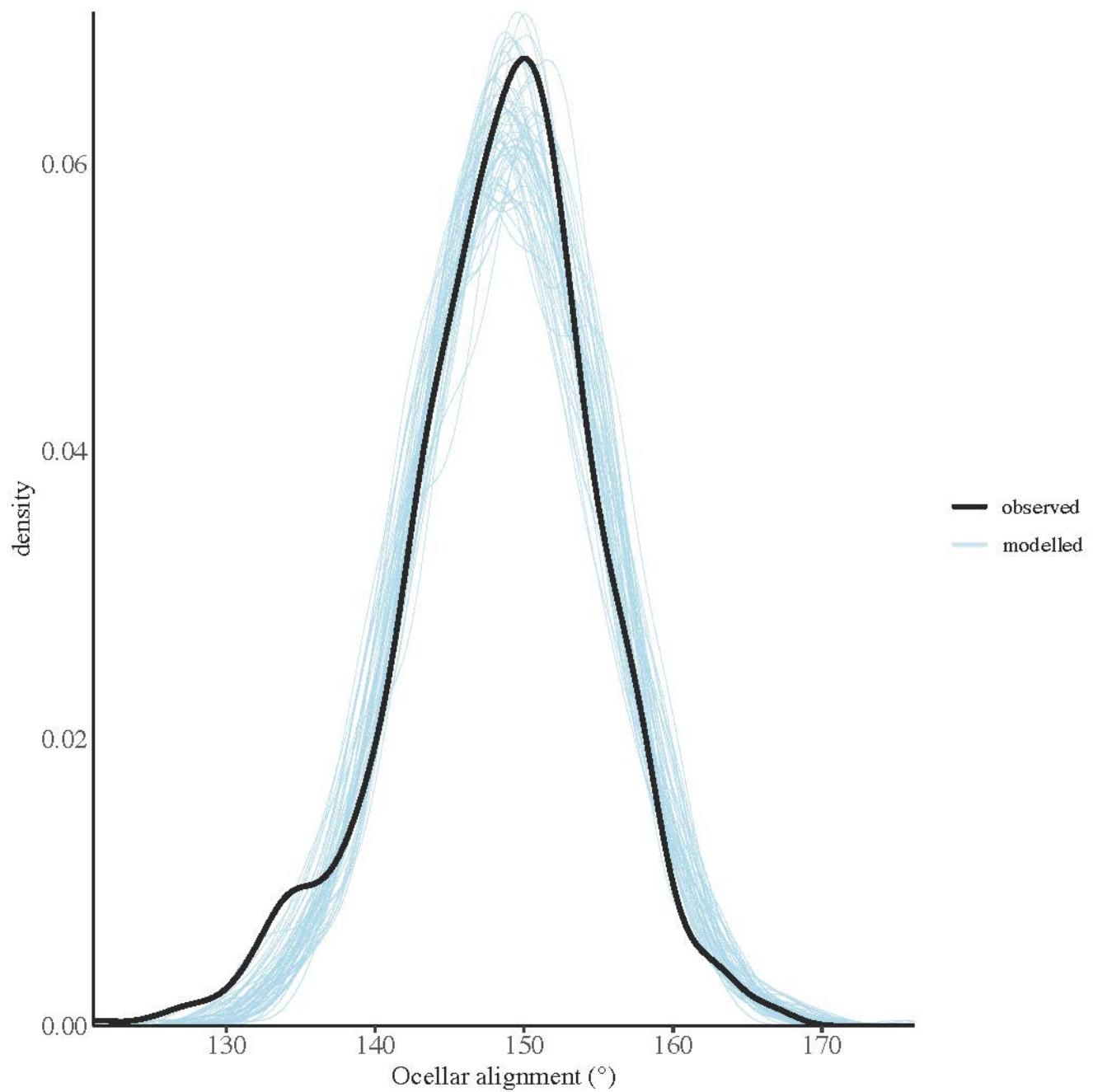




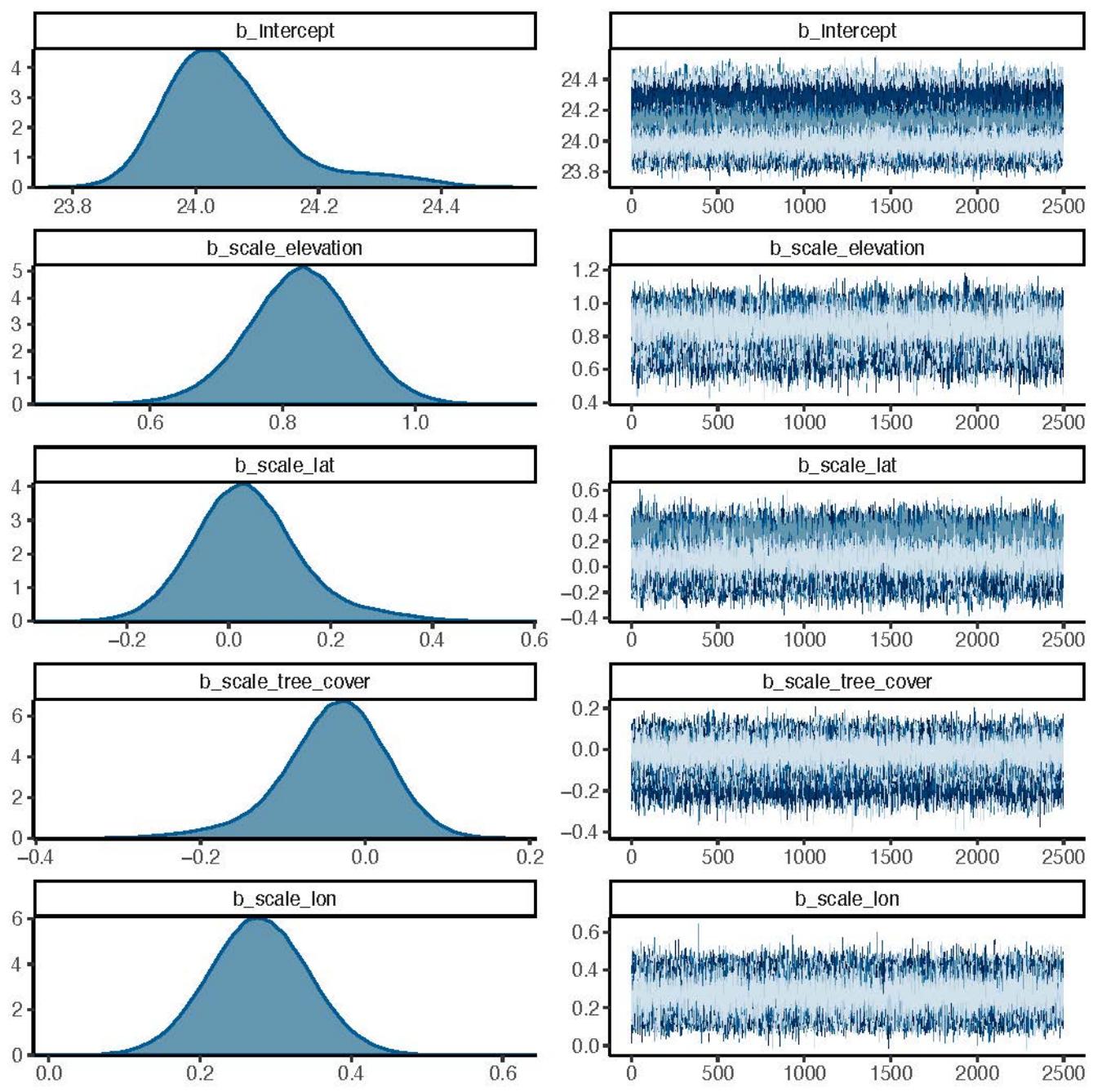
Ocellar alignment (°)



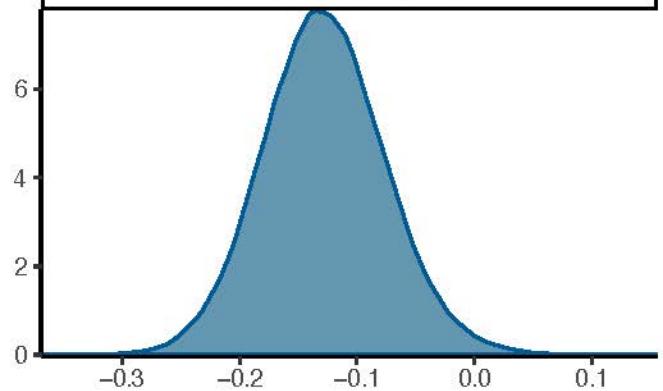




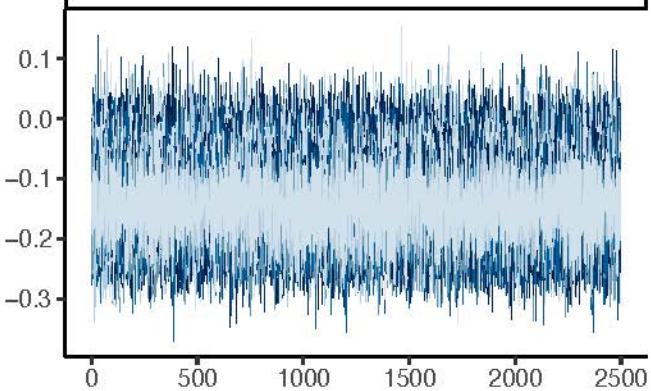
Monocular FOV (%)



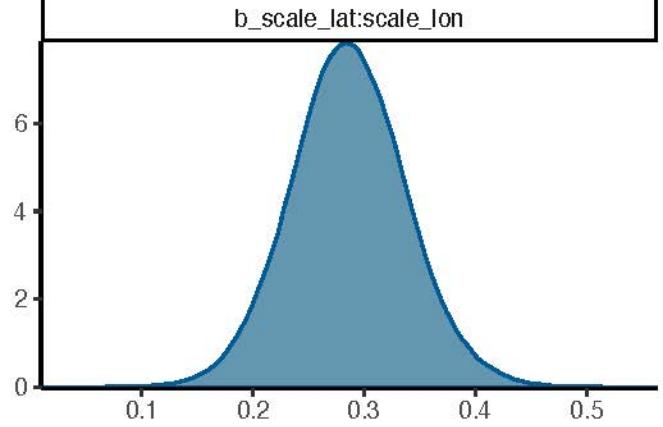
b\_scale\_flower\_richness



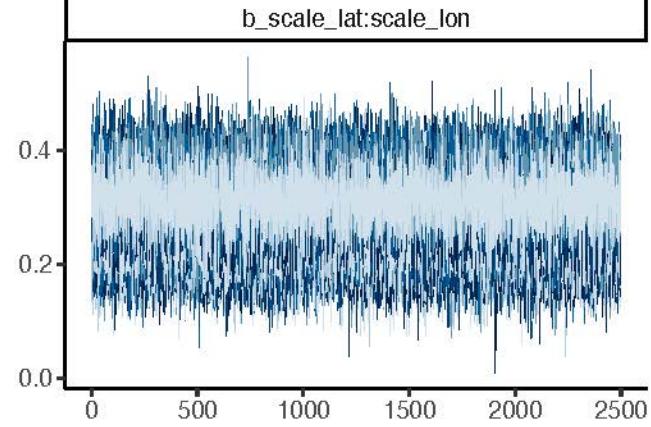
b\_scale\_flower\_richness



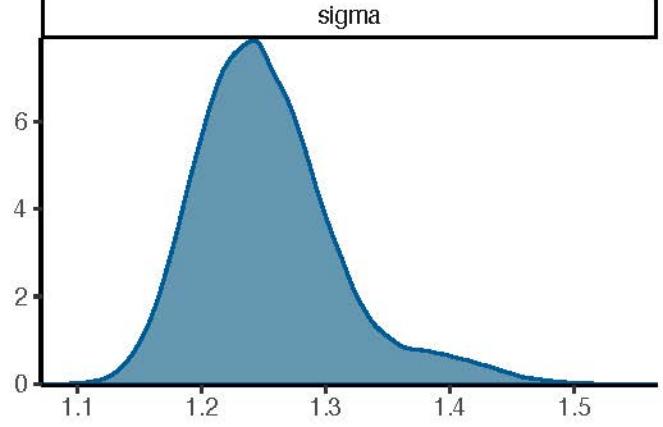
b\_scale\_lat:scale\_Ion



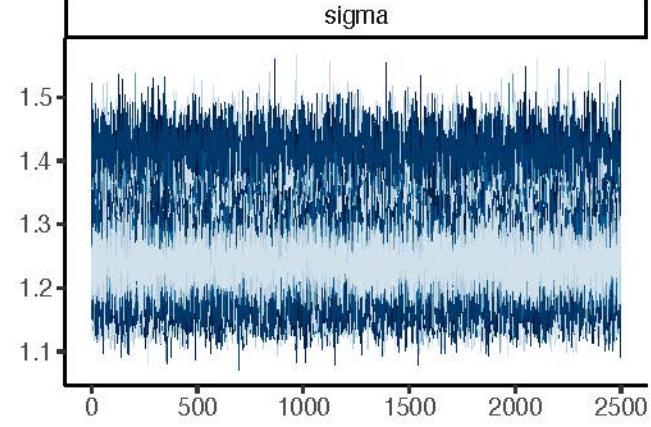
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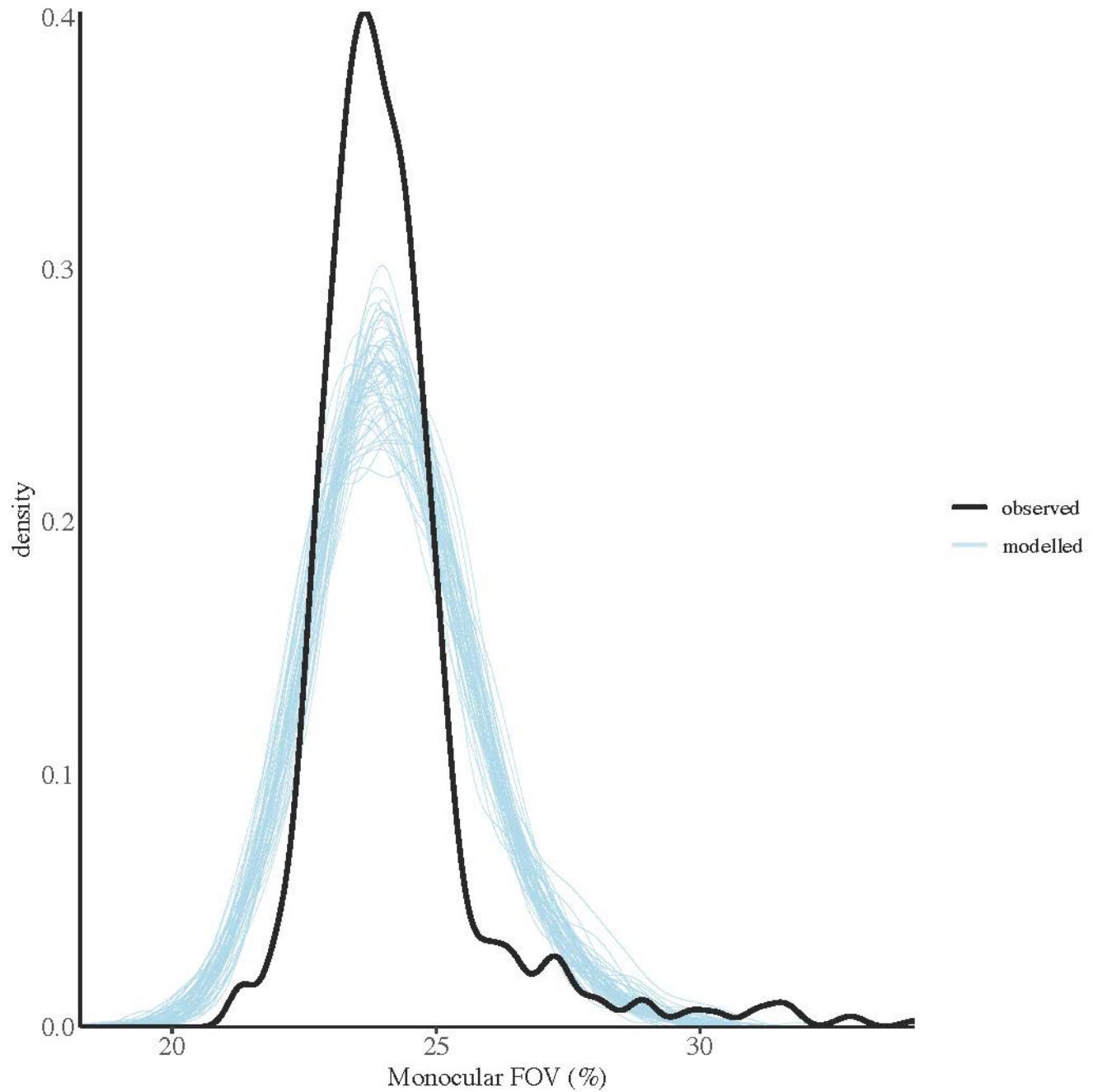


sigma

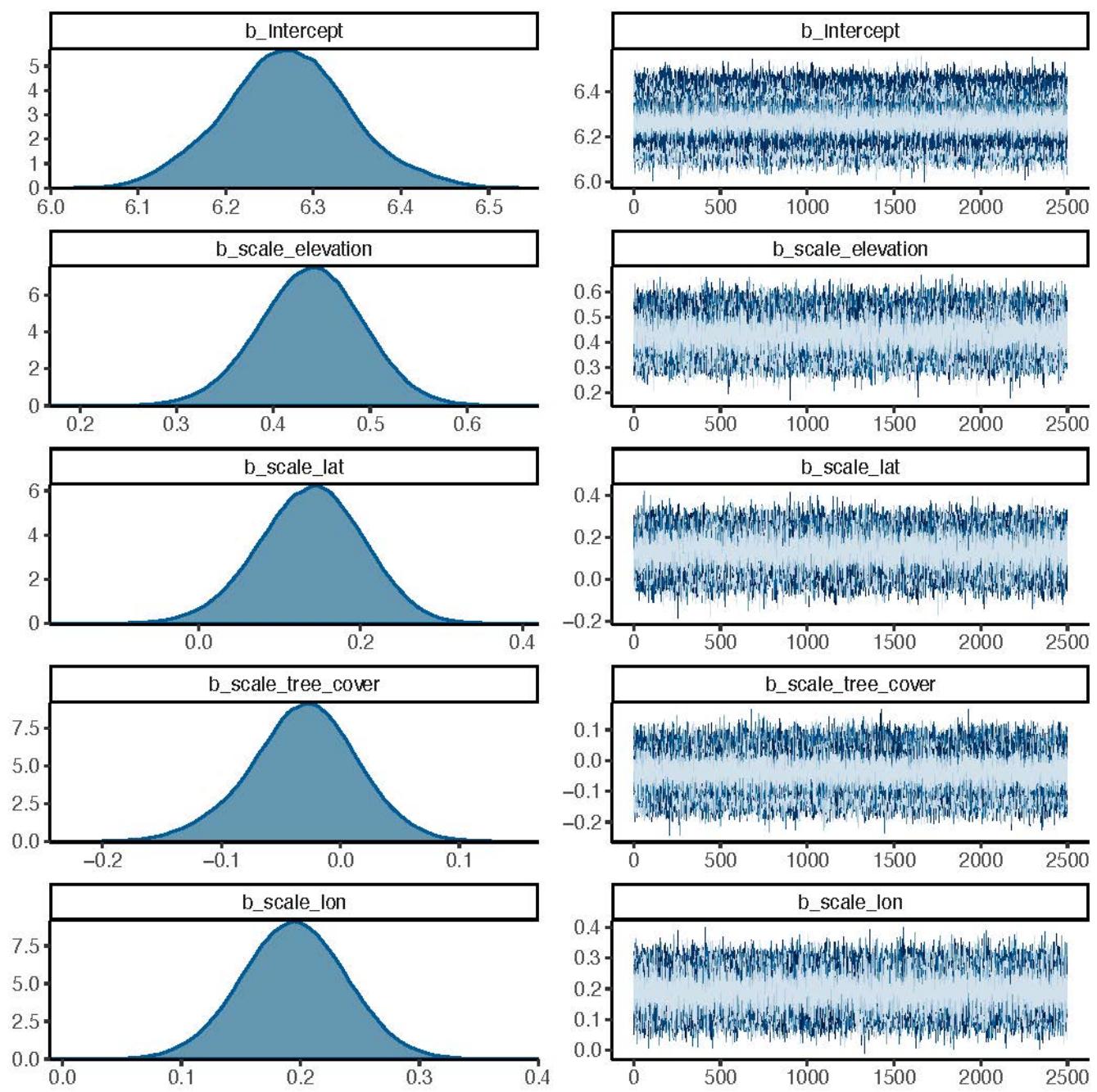


sigma

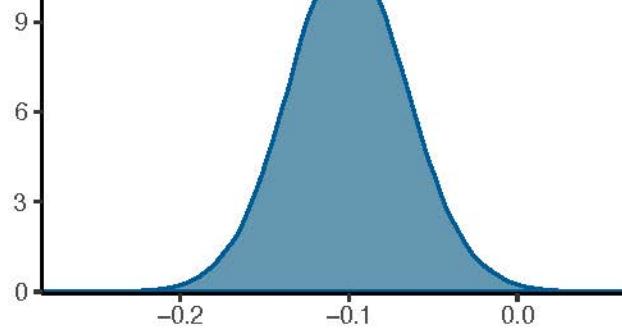




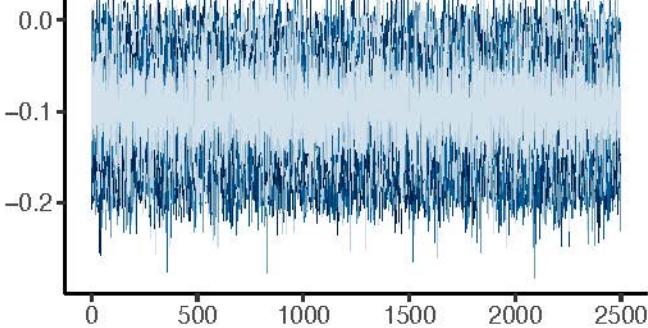
Binocular overlap (%)



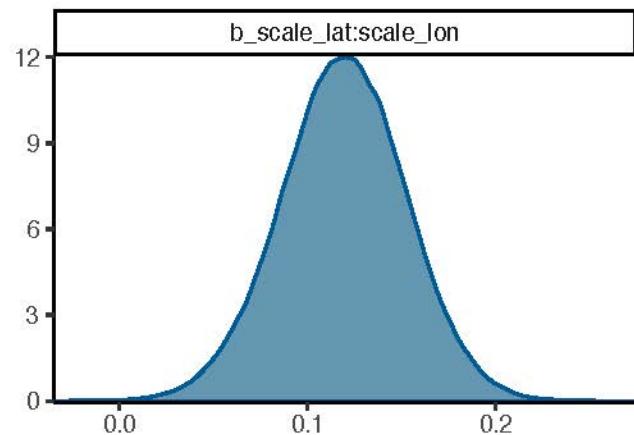
b\_scale\_flower\_richness



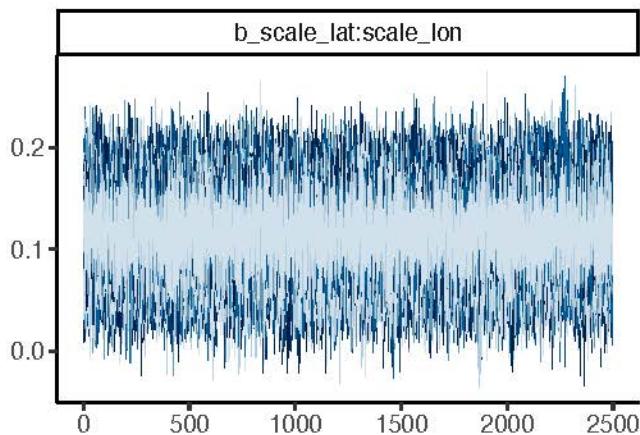
b\_scale\_flower\_richness



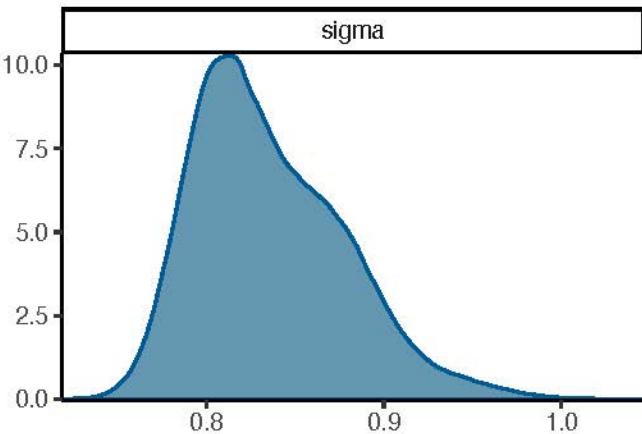
b\_scale\_lat:scale\_Ion



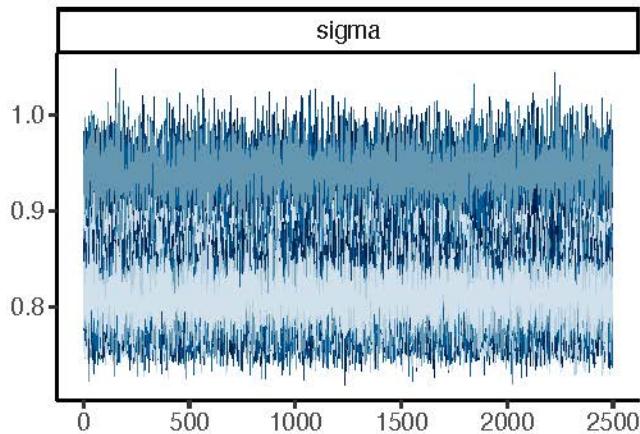
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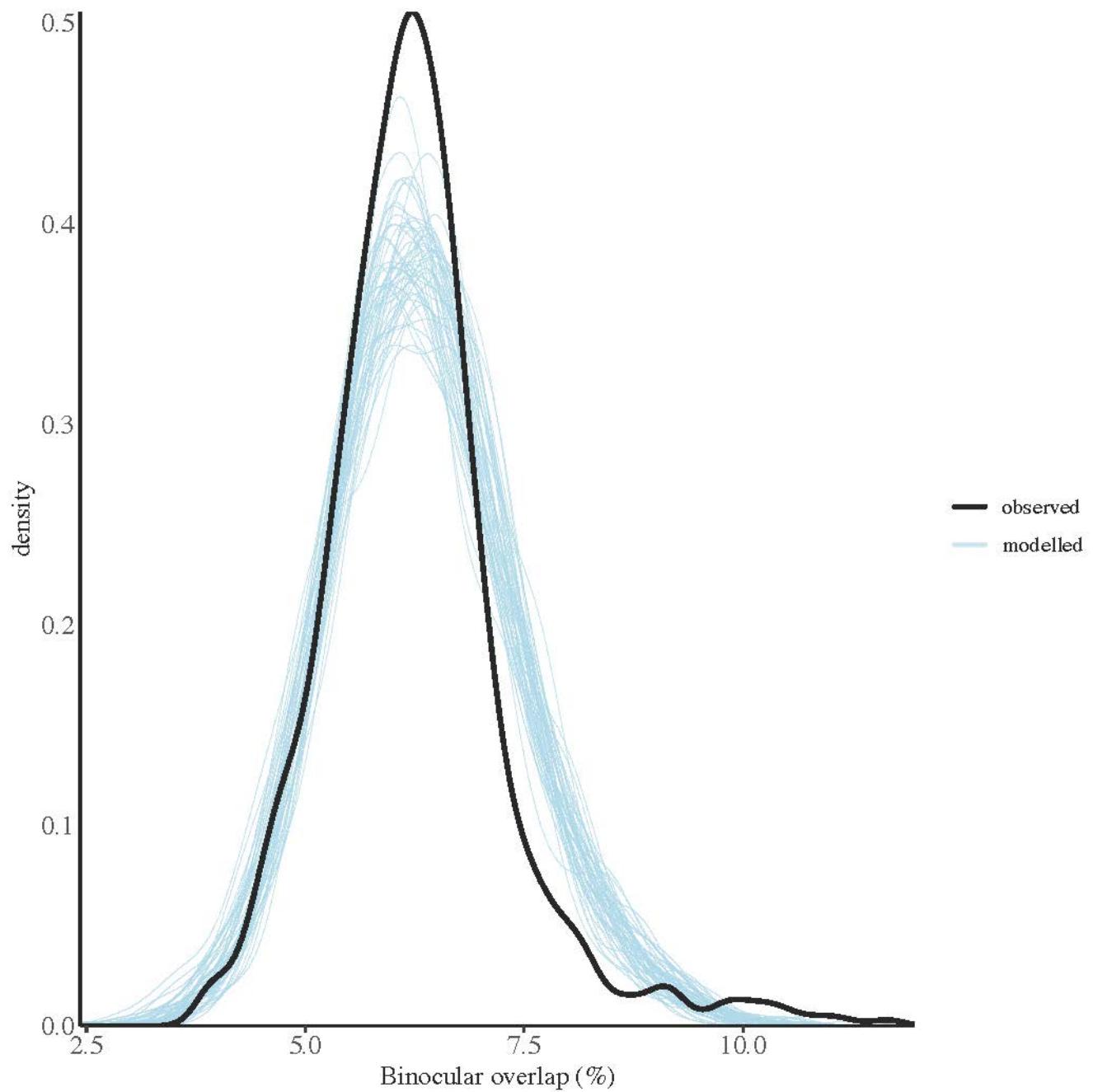


sigma

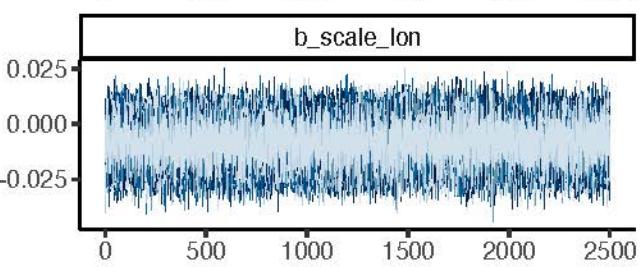
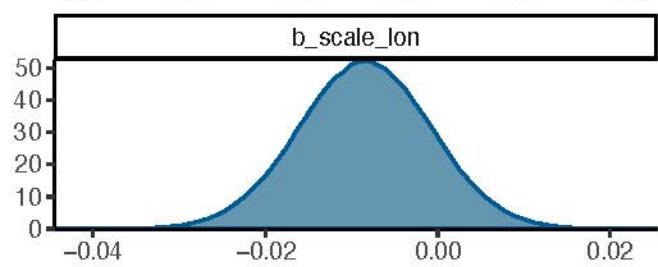
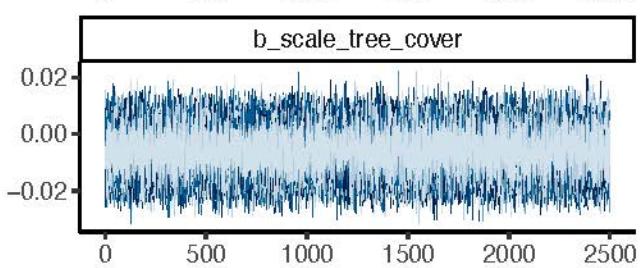
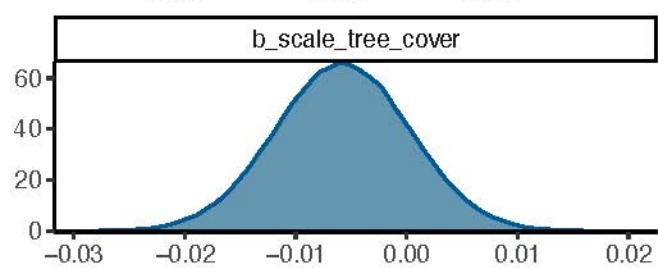
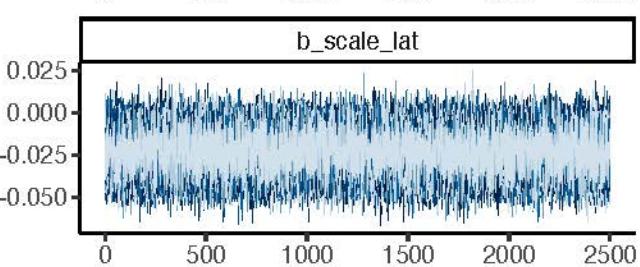
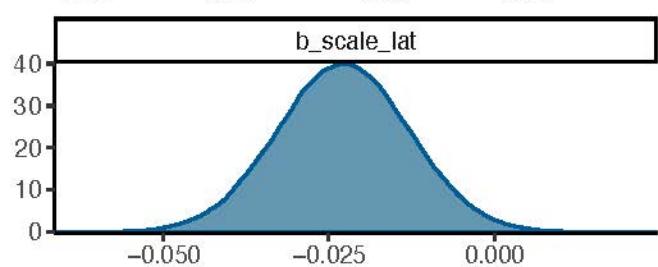
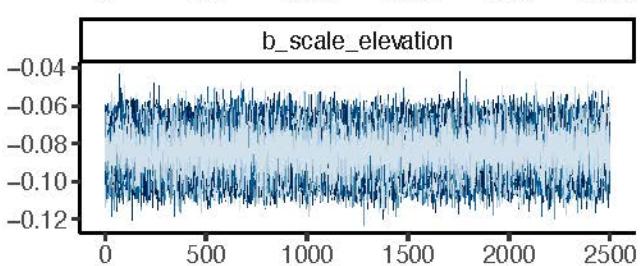
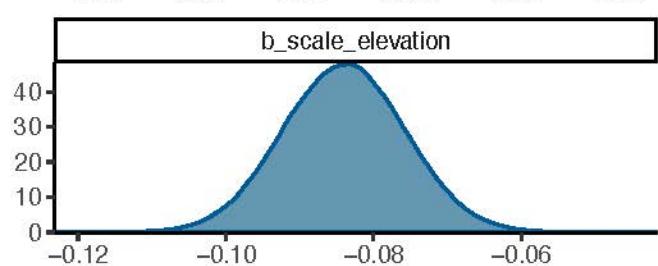
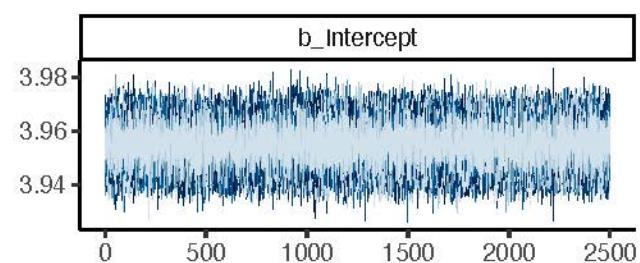
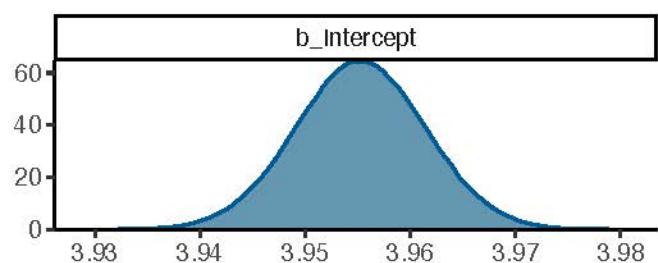


sigma

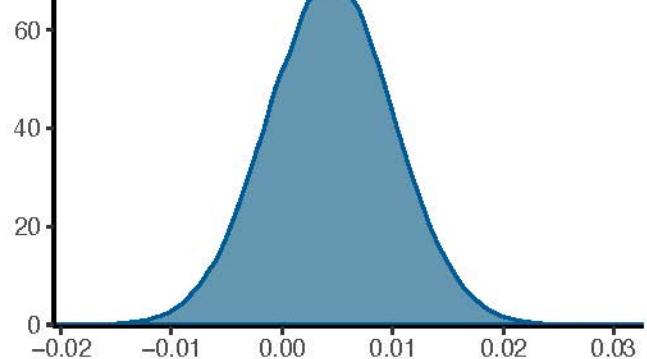




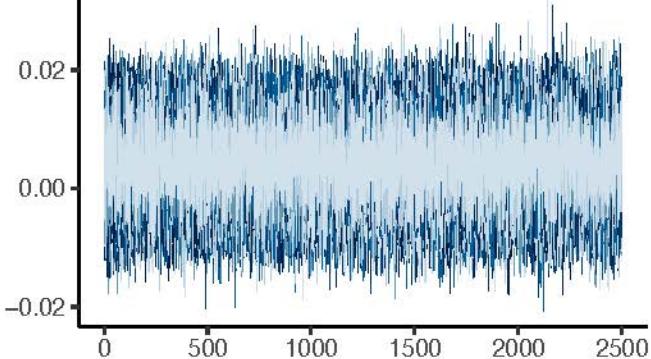
ITD (mm)



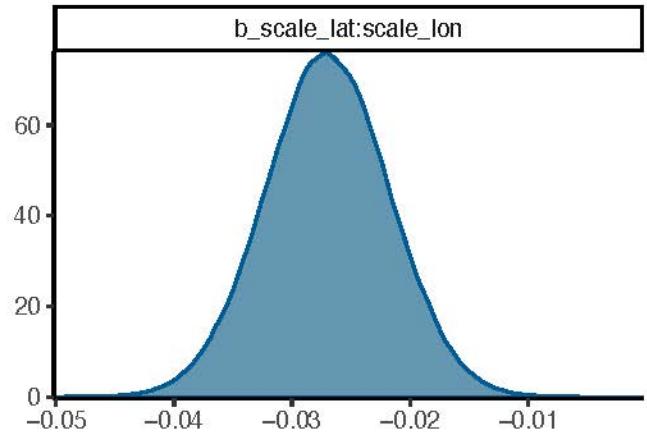
b\_scale\_flower\_richness



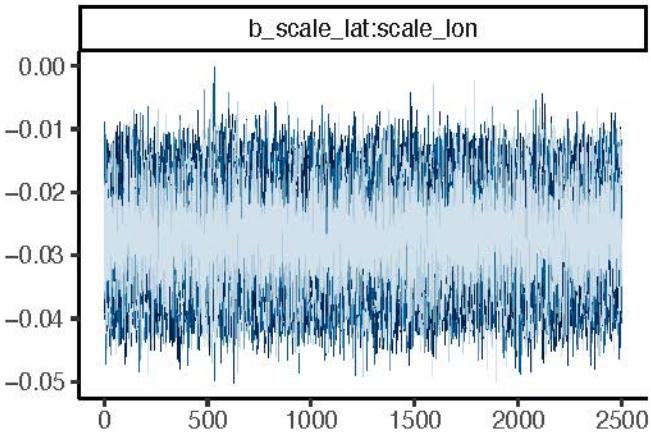
b\_scale\_flower\_richness



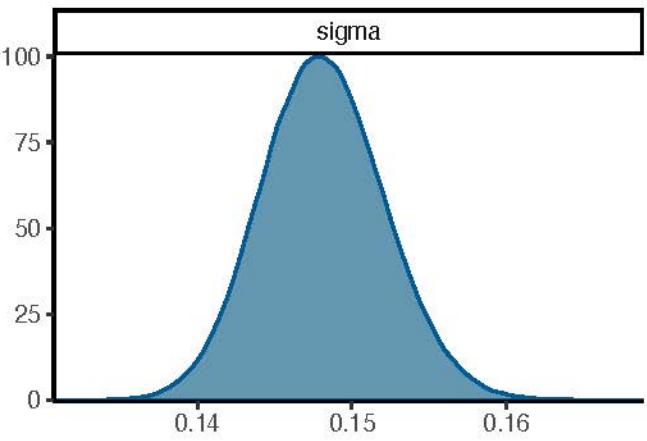
b\_scale\_lat:scale\_lion



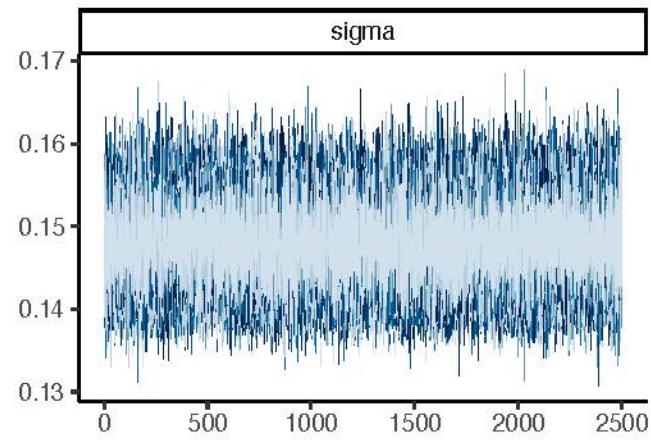
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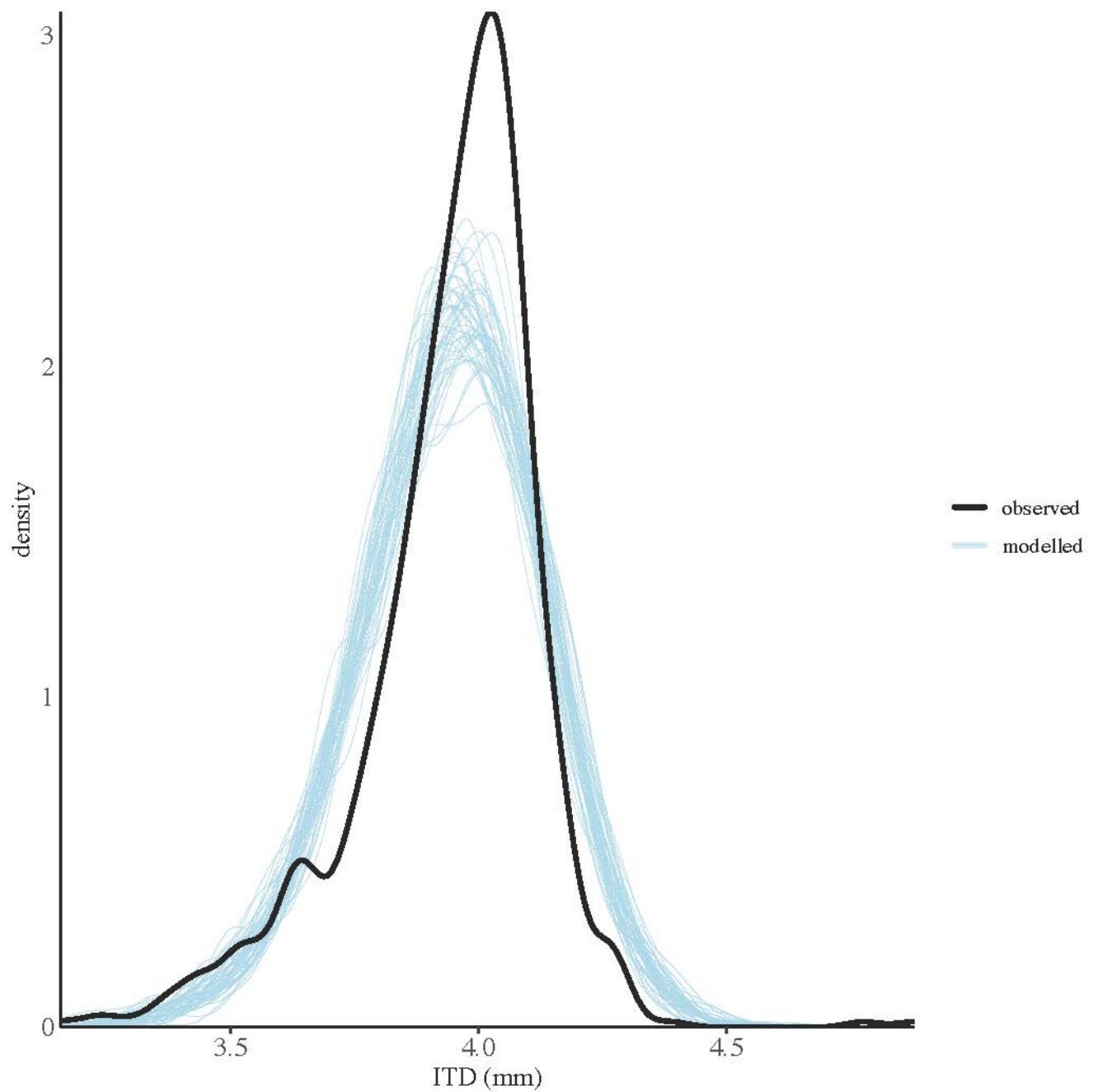


sigma

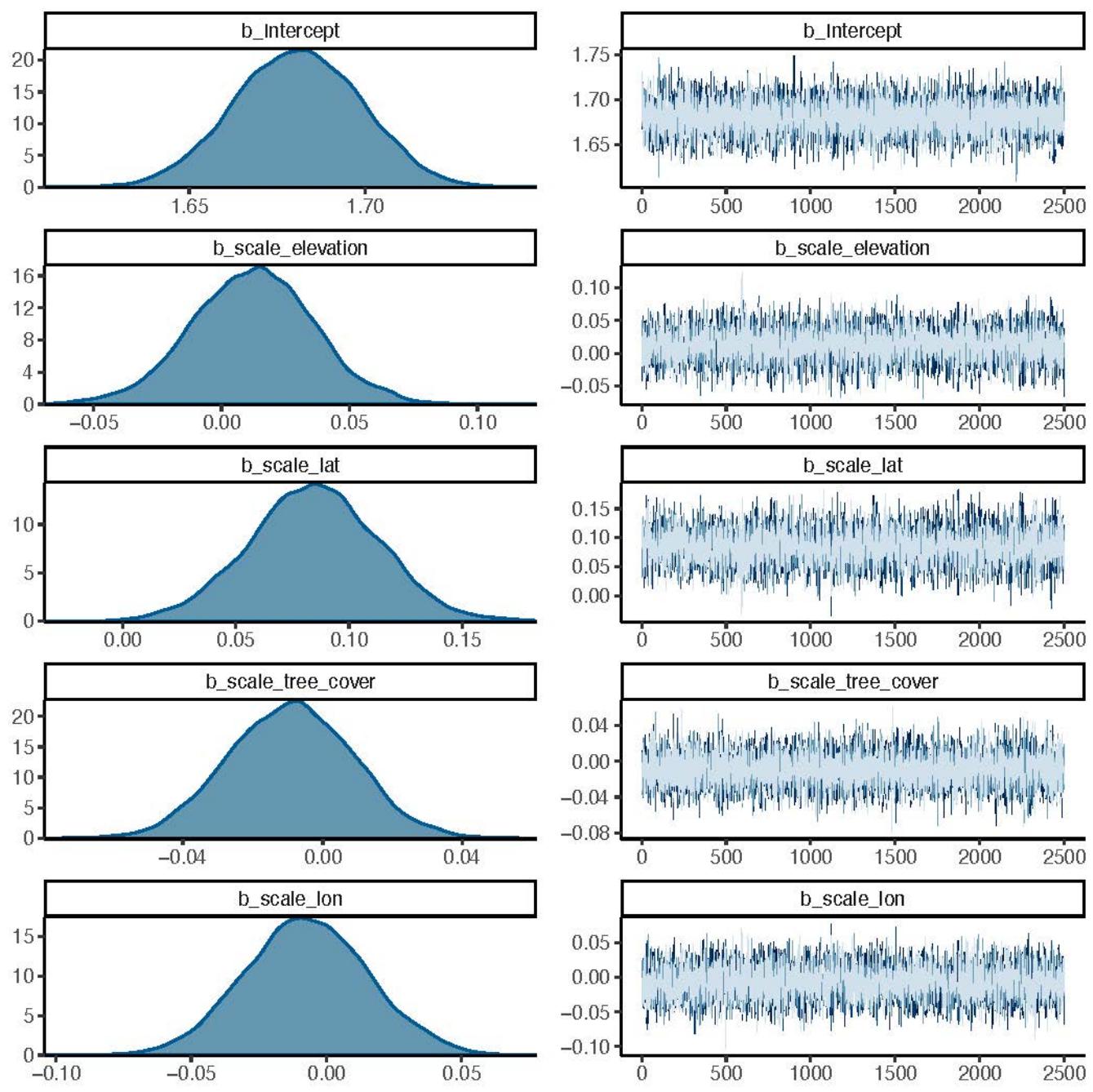


sigma

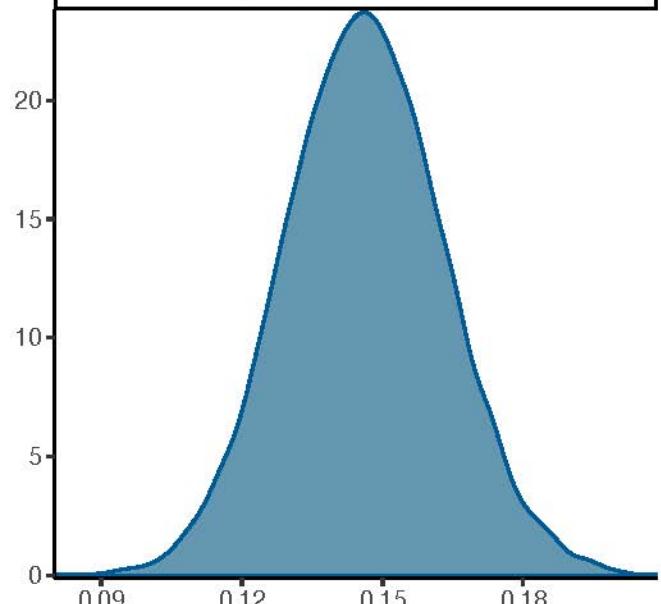




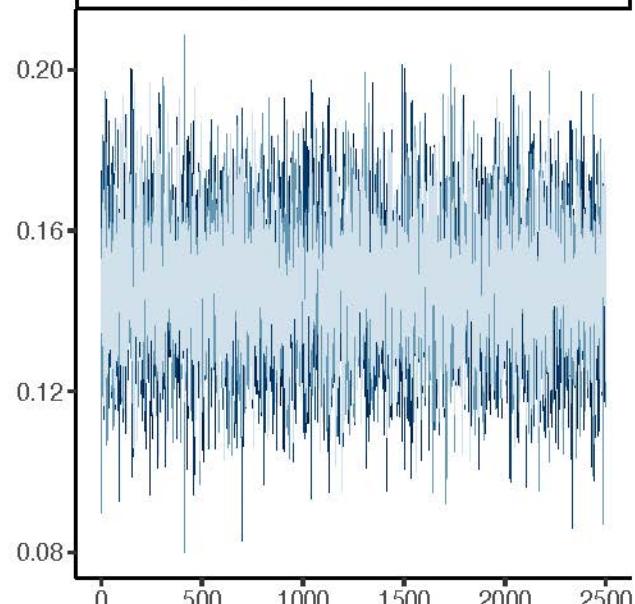
**Effects of tree cover on the observed number of bumblebee species in communities within grasslands across Sweden.** Model traces and posterior predictive check for each visual trait modelled with Bayesian inference.



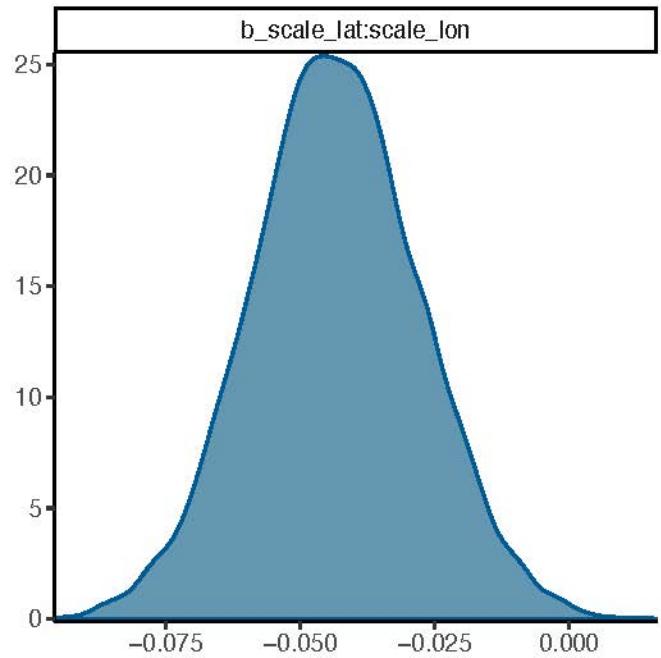
b\_scale\_flower\_richness



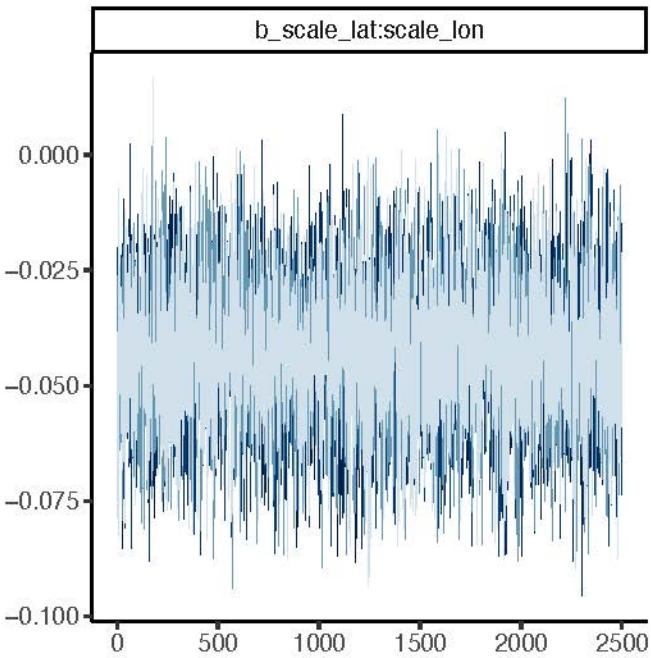
b\_scale\_flower\_richness

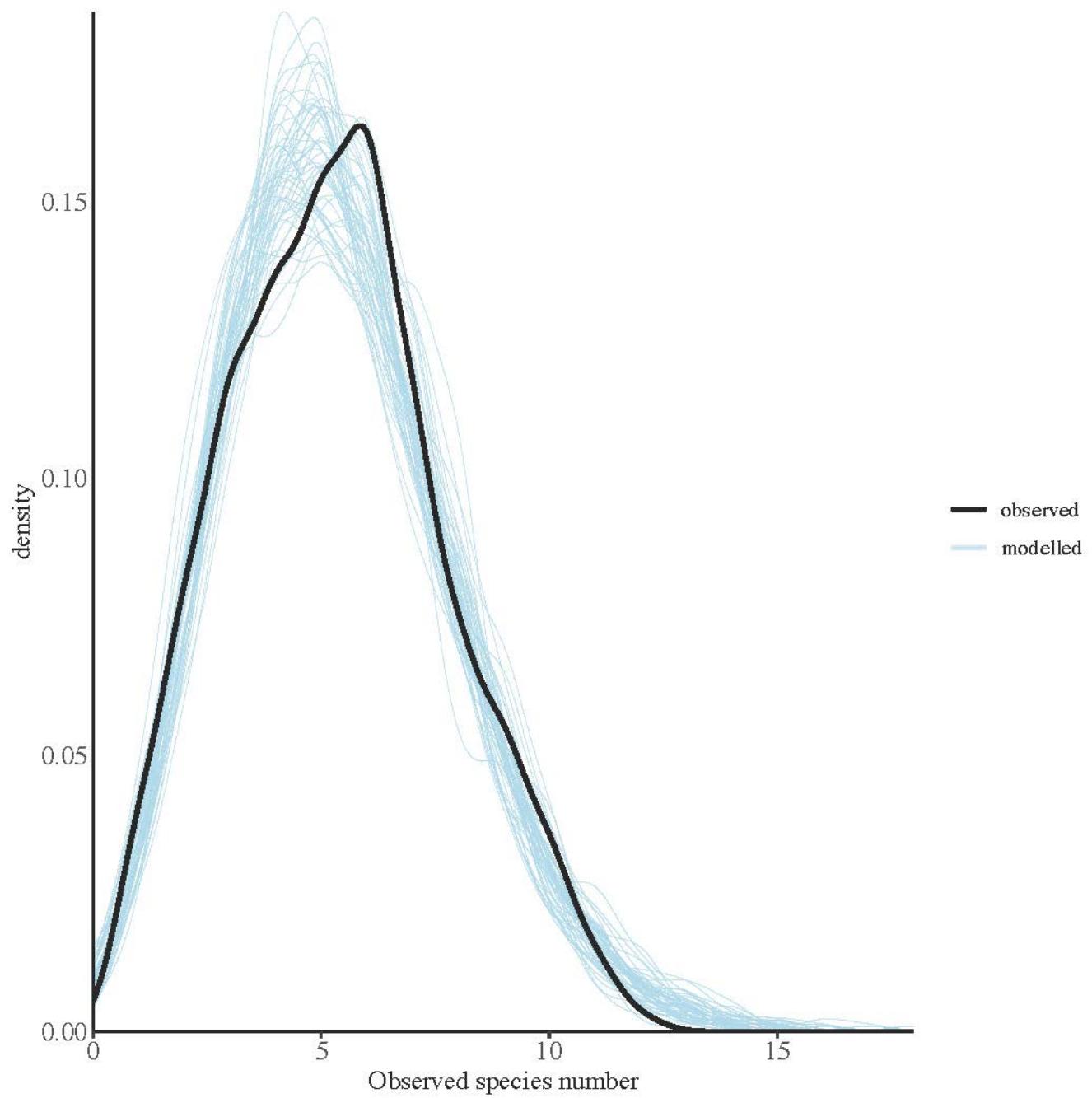


b\_scale\_lat:scale\_lion



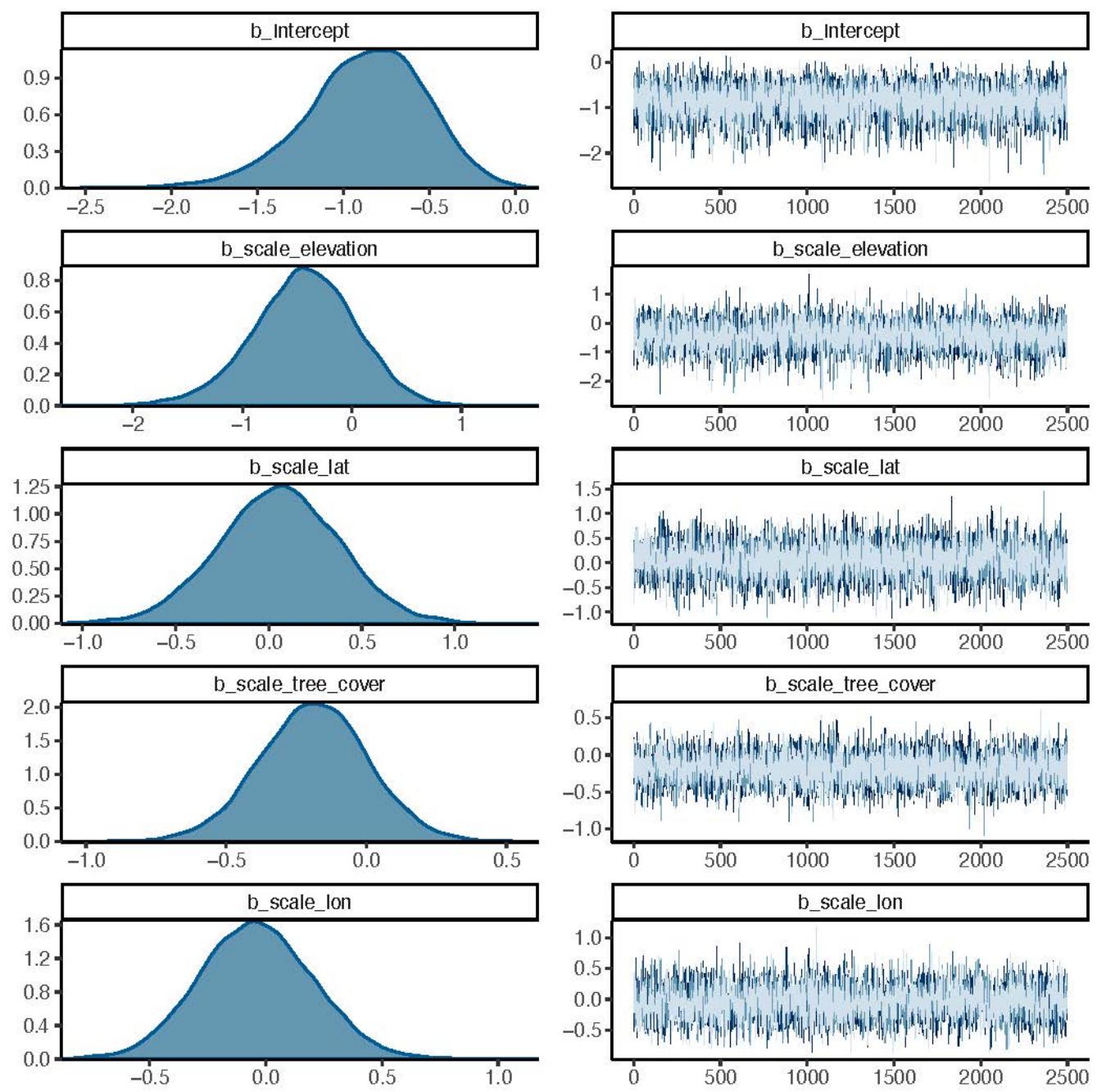
b\_scale\_lat:scale\_lion



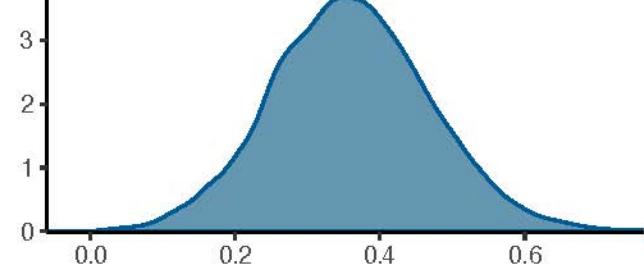


**Effects of tree cover on the abundance of the twelve most common species in communities within grasslands across Sweden.** Model traces and posterior predictive check for each visual trait modelled with Bayesian inference.

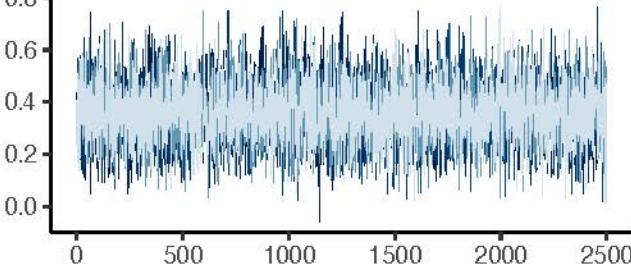
ruderariu



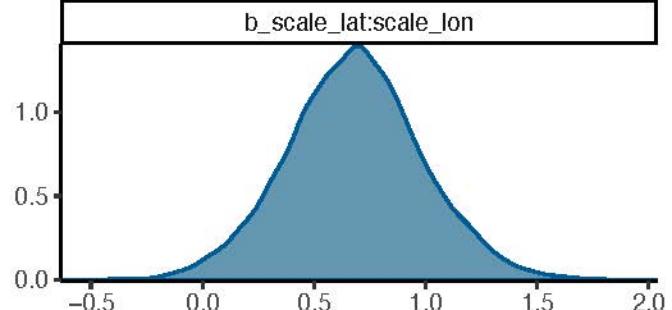
b\_scale\_flower\_richness



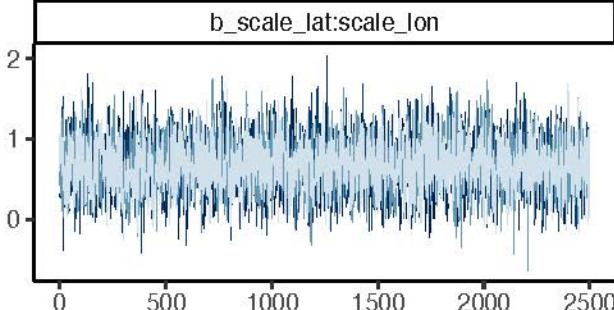
b\_scale\_flower\_richness



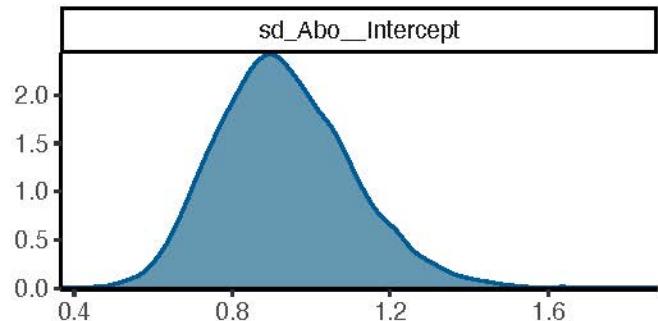
b\_scale\_lat:scale\_Ion



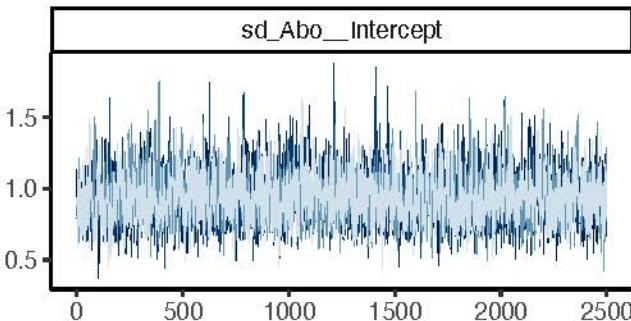
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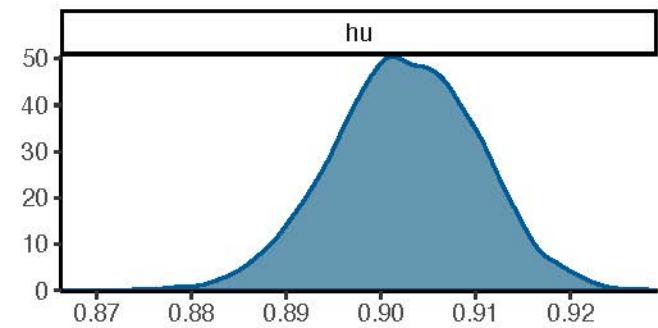
sd\_Abo\_Intercept



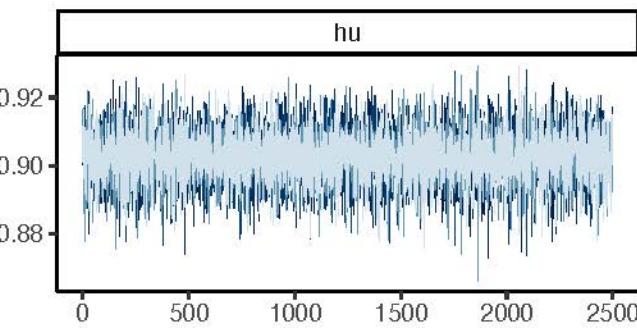
sd\_Abo\_Intercept



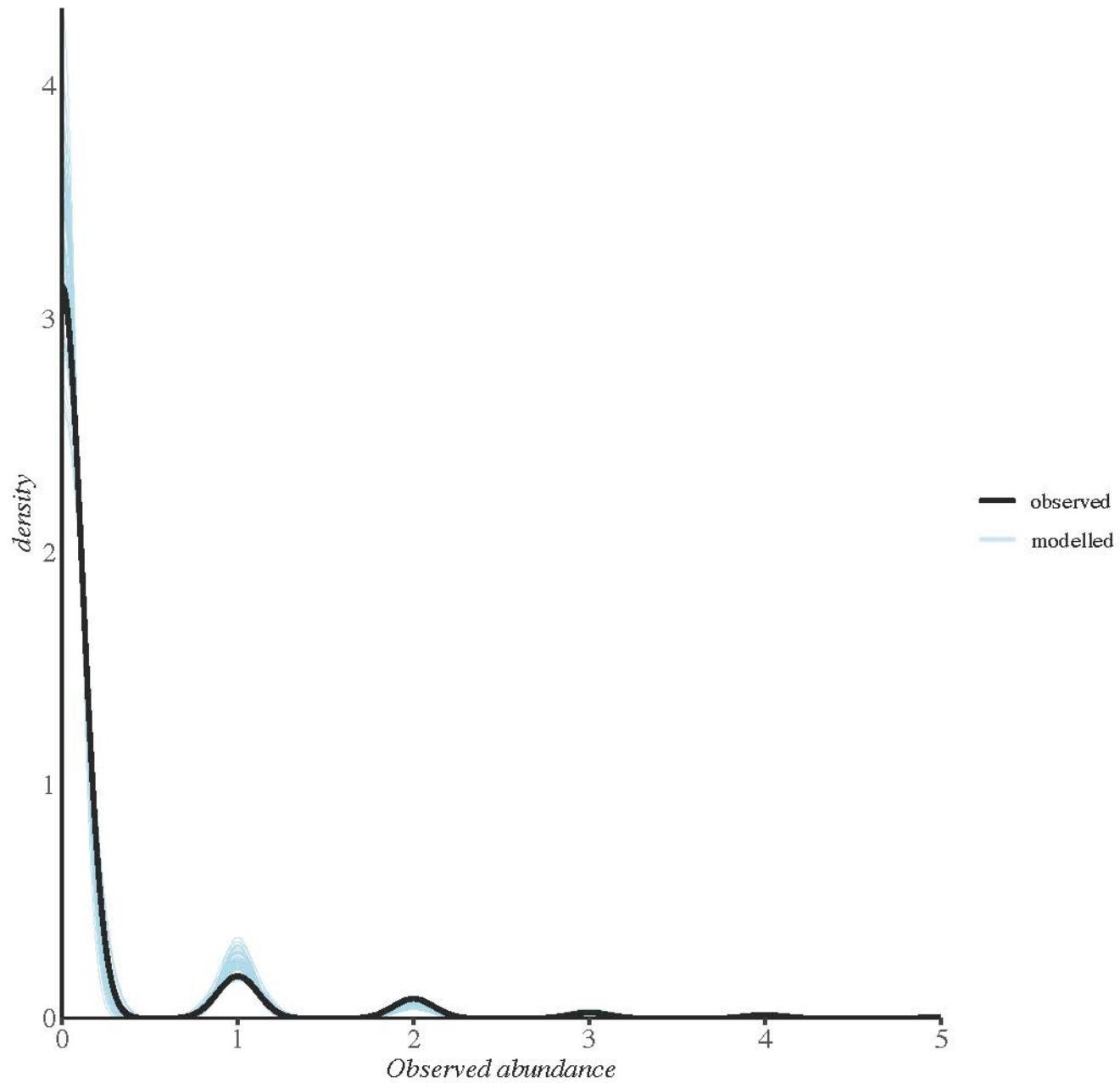
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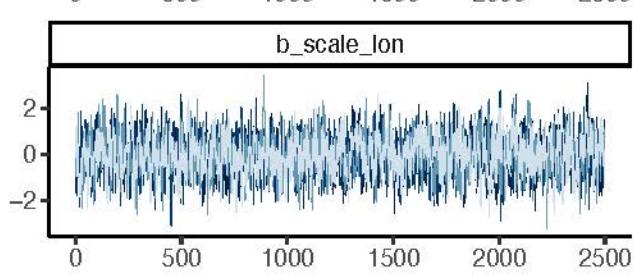
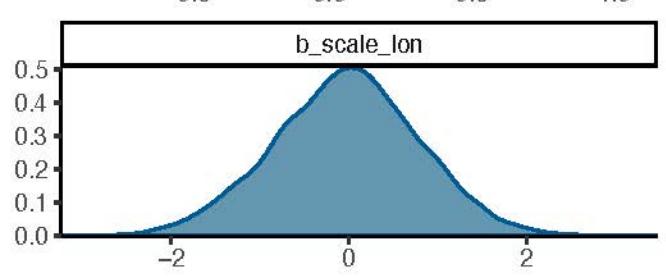
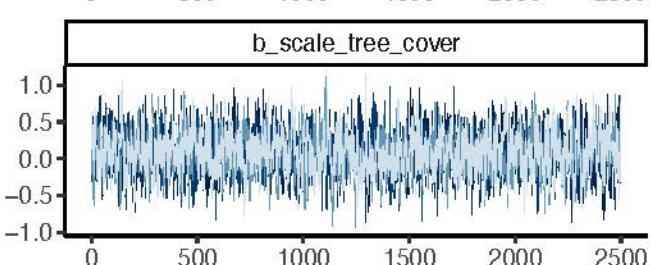
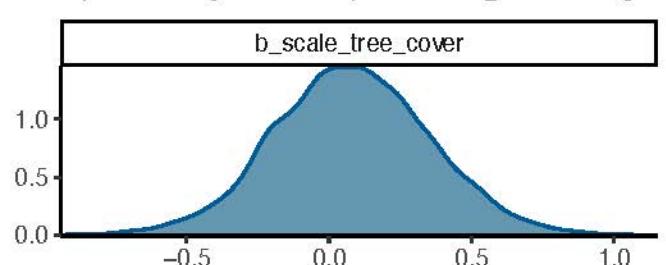
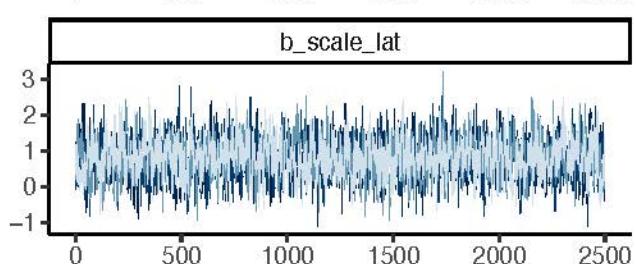
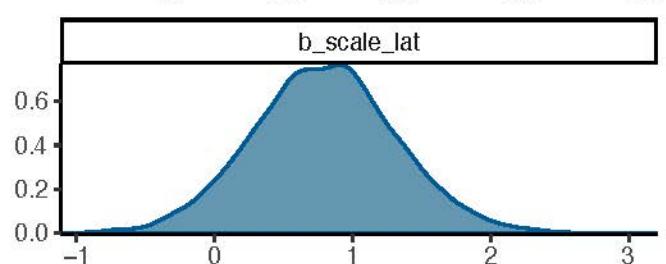
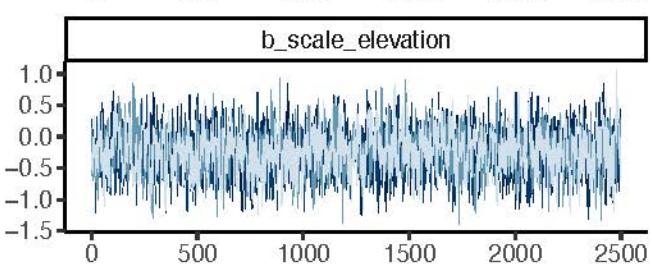
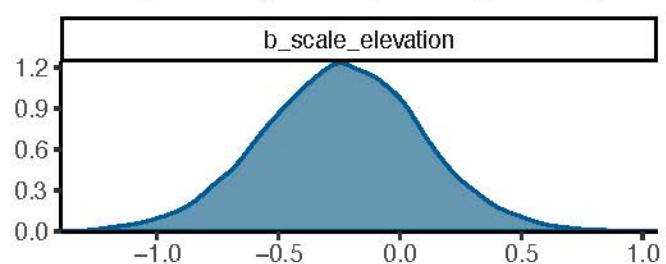
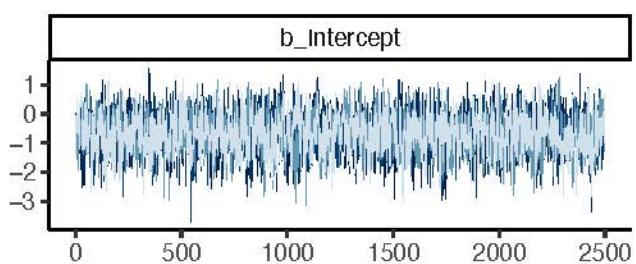
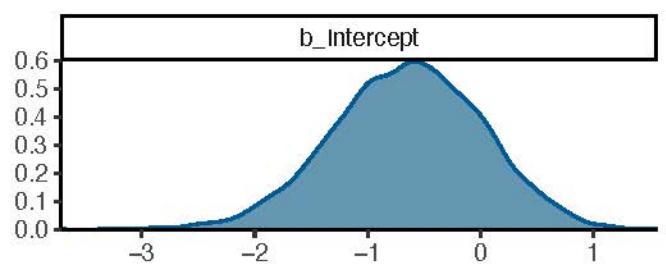
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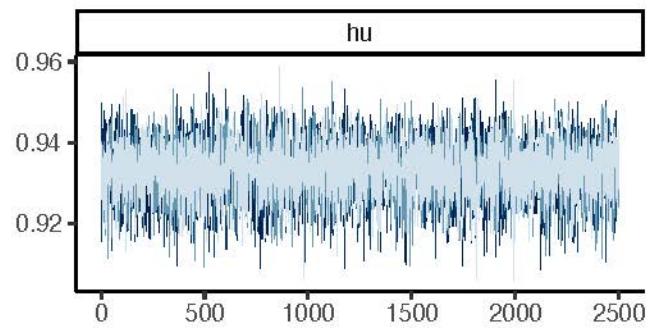
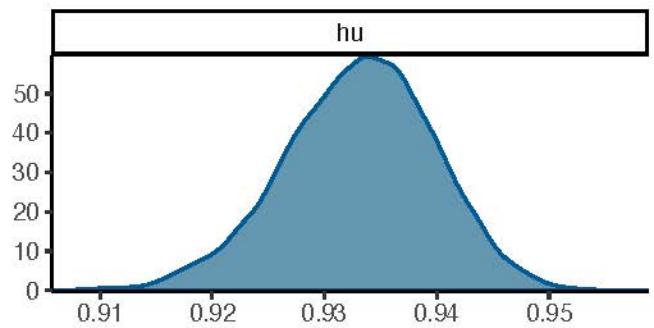
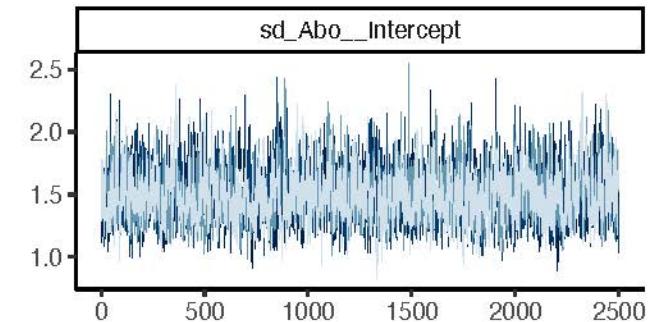
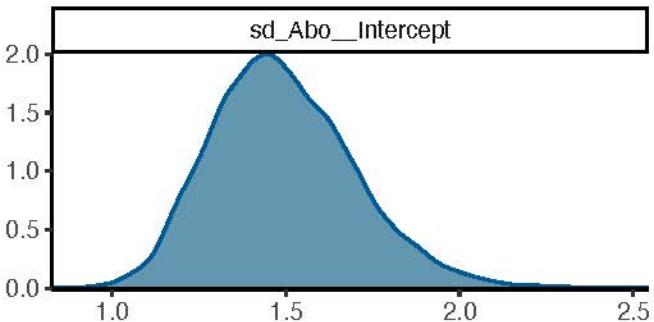
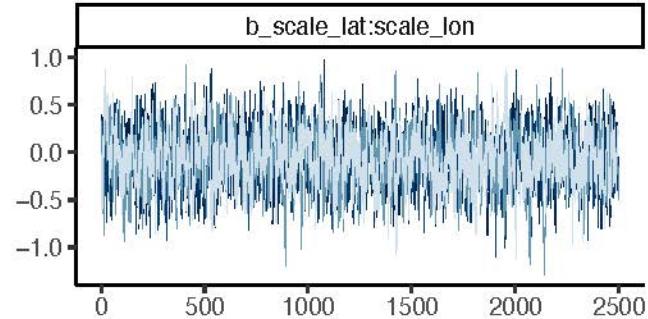
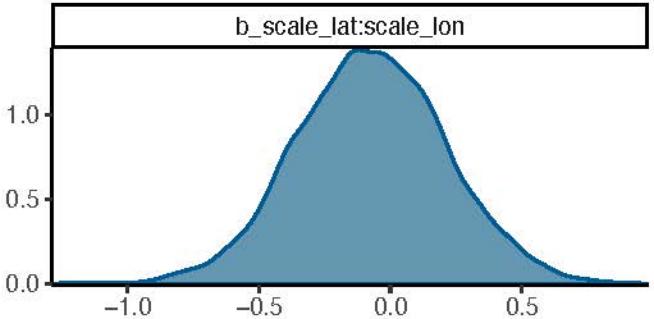
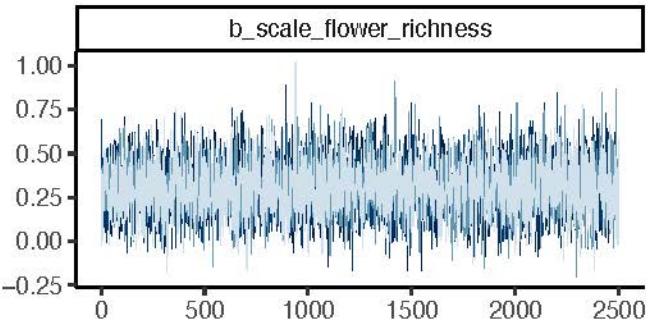
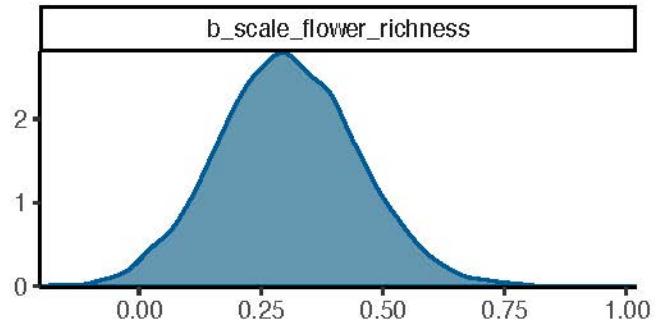


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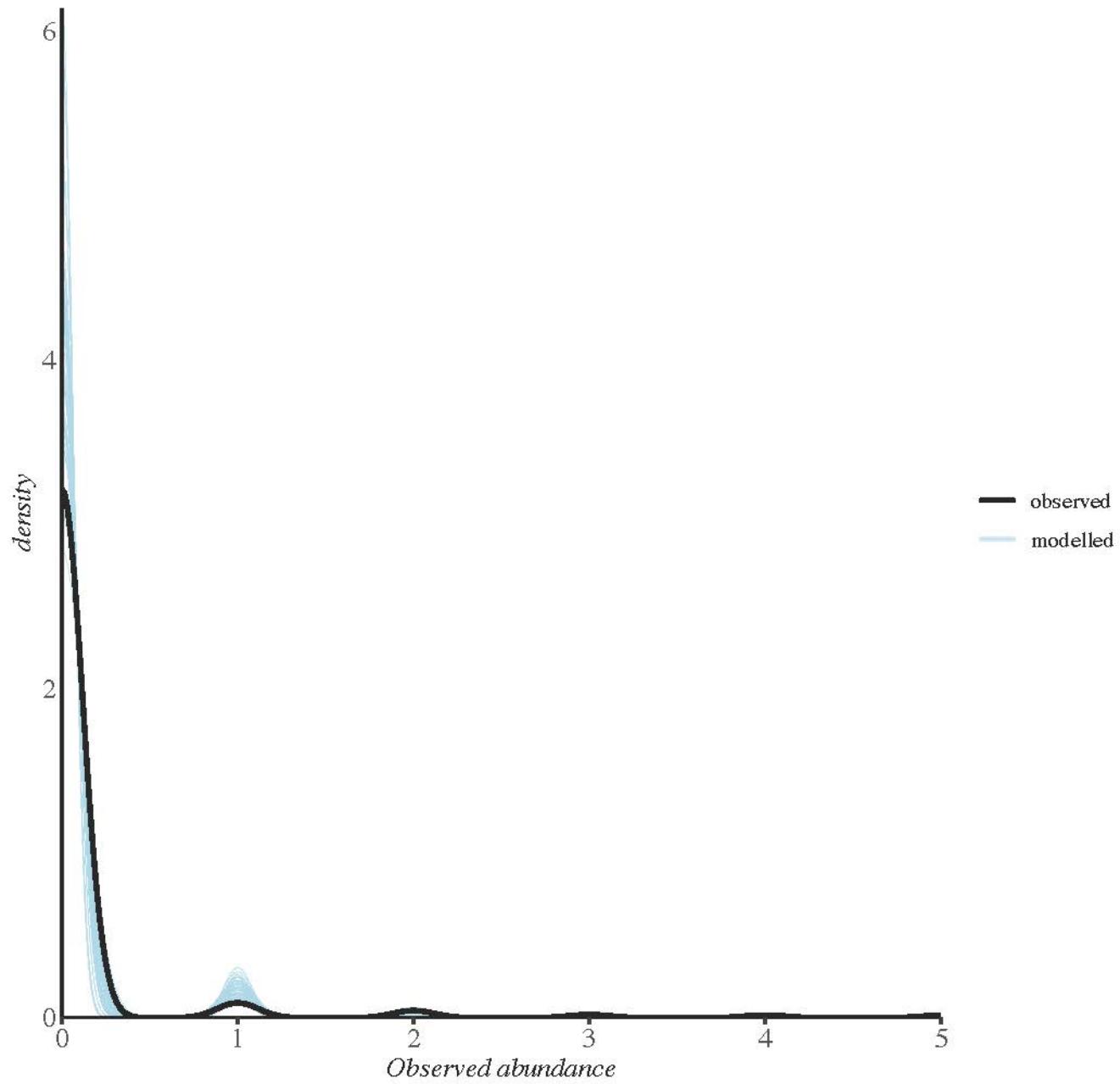


sporadicu

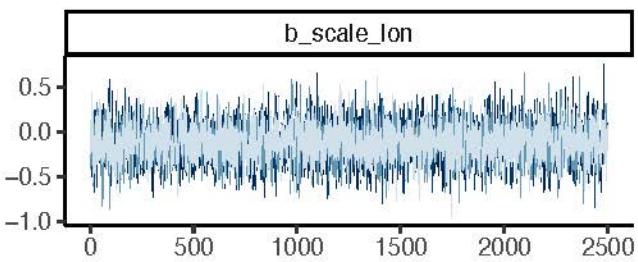
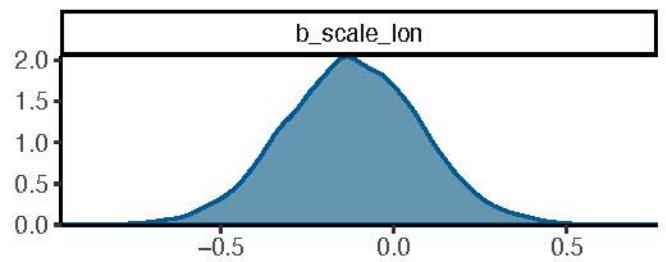
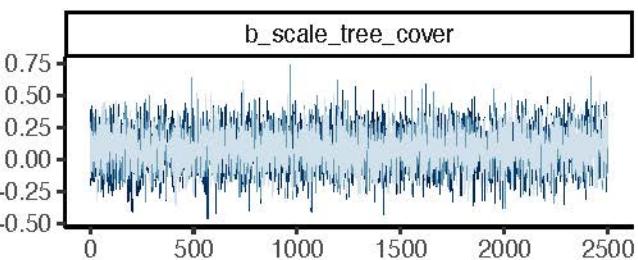
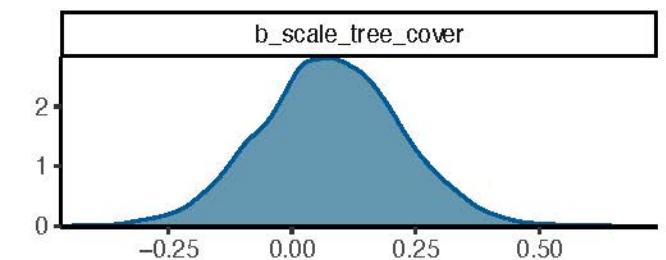
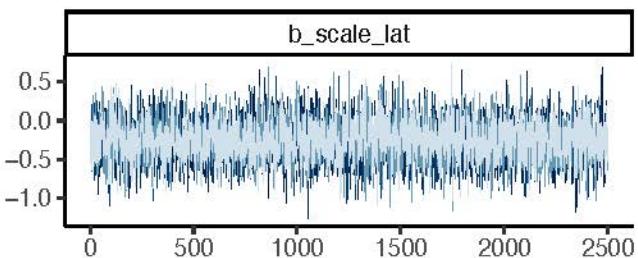
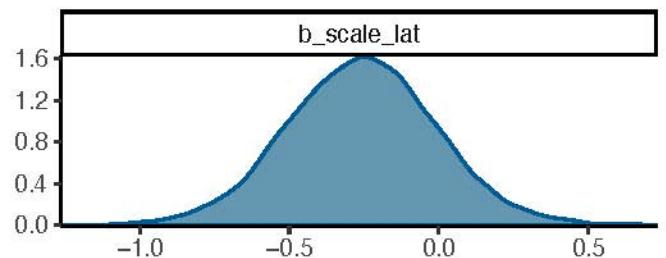
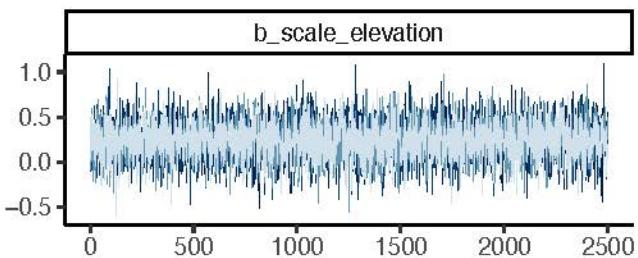
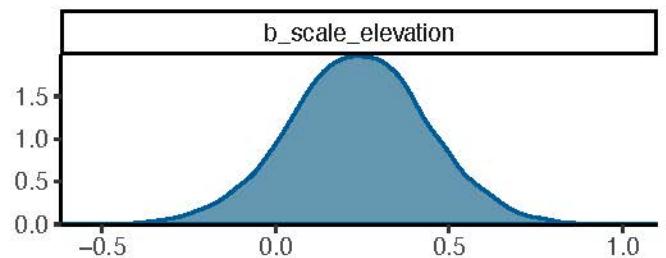
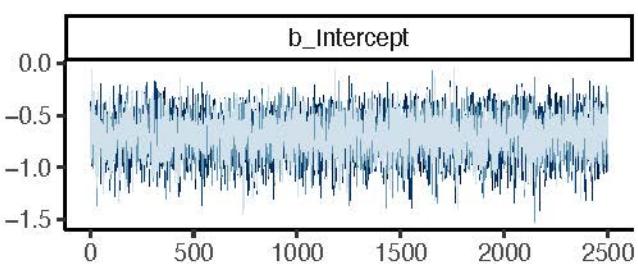
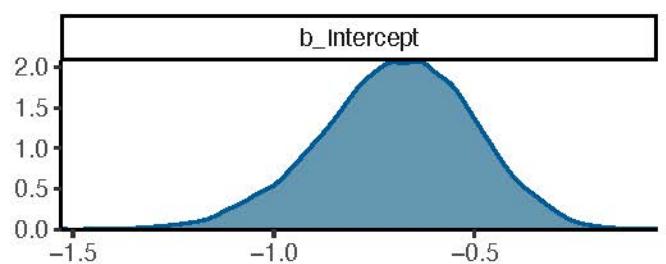




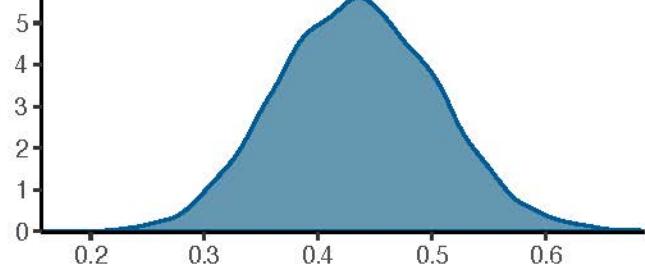
*sporadicu*



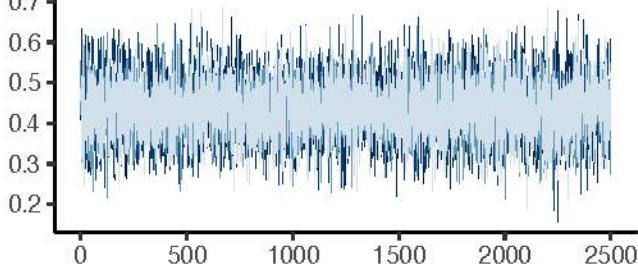
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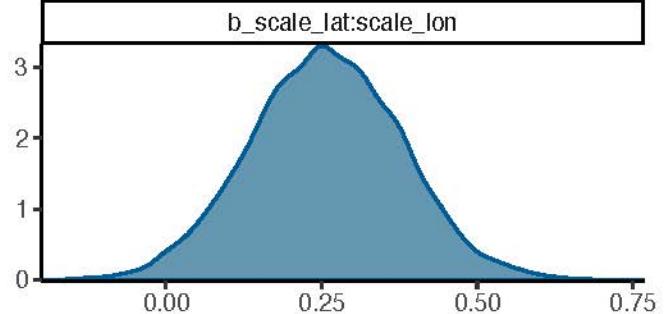
b\_scale\_flower\_richness



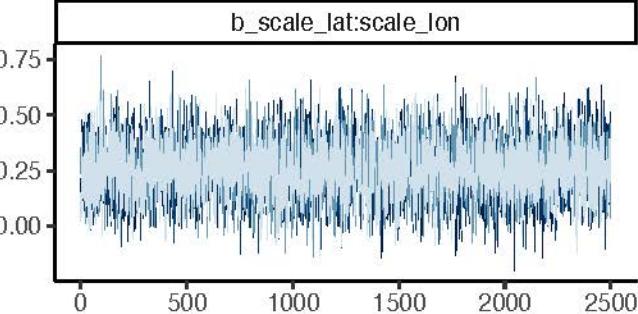
b\_scale\_flower\_richness



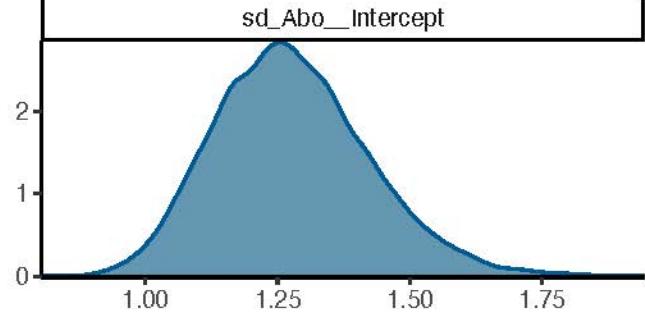
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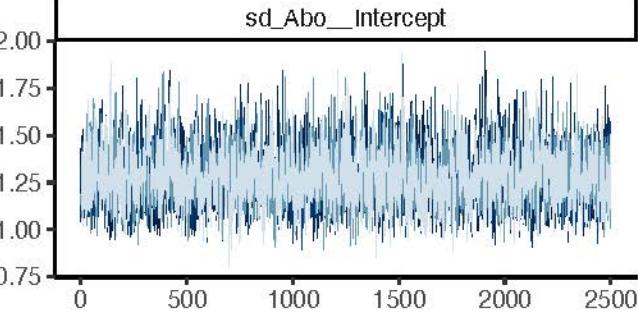
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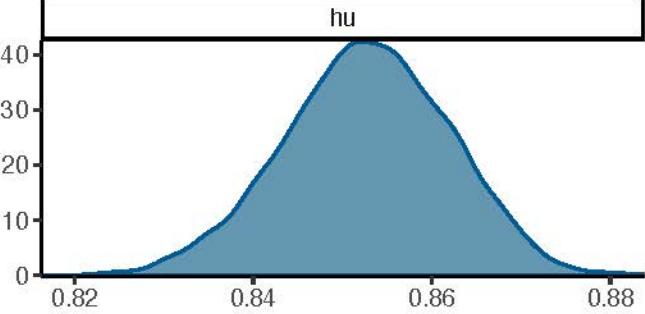
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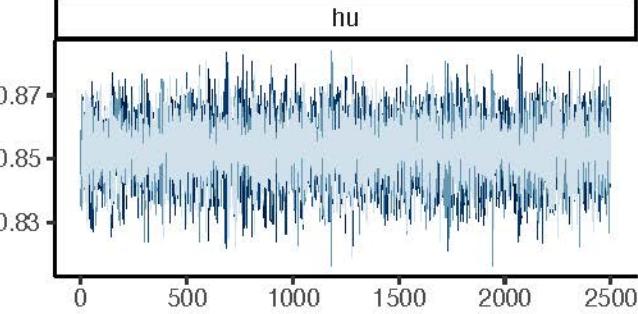
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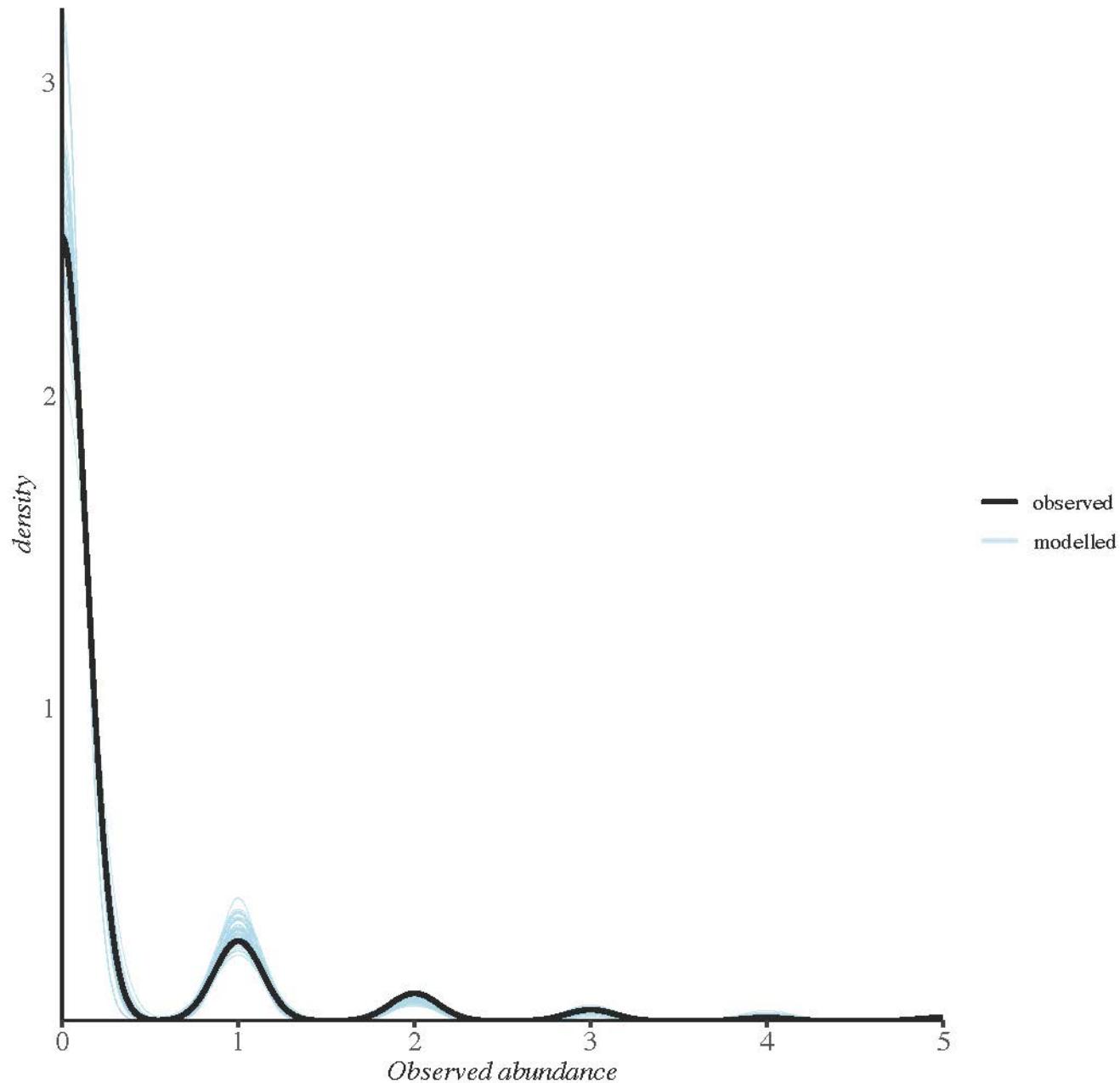
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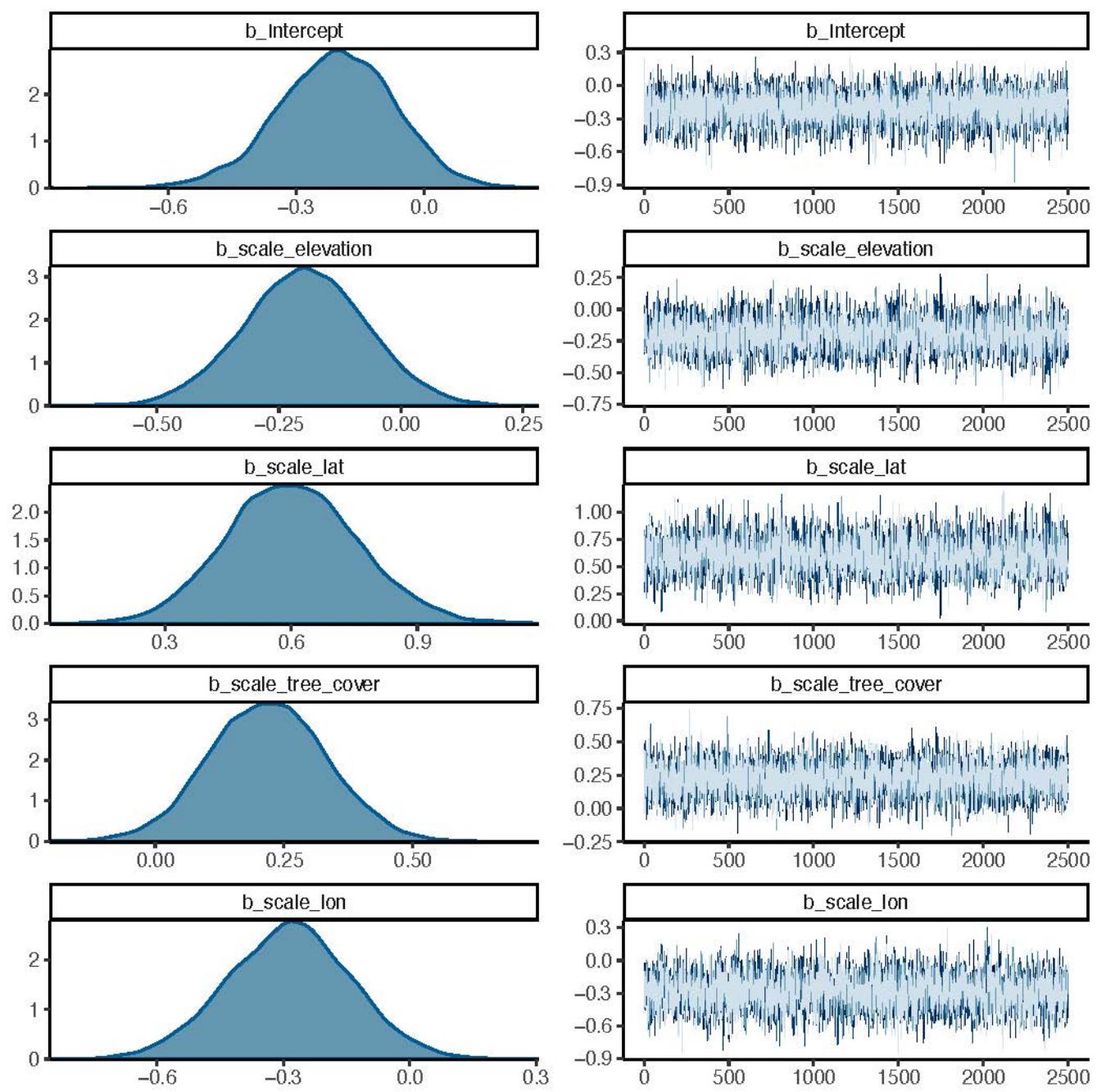
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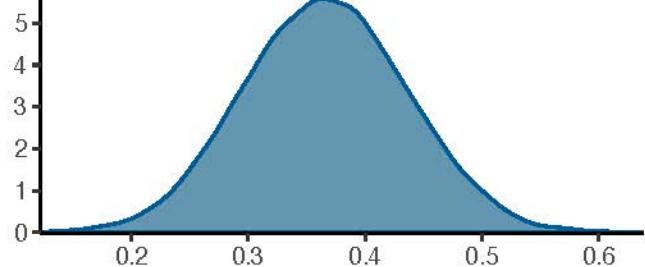
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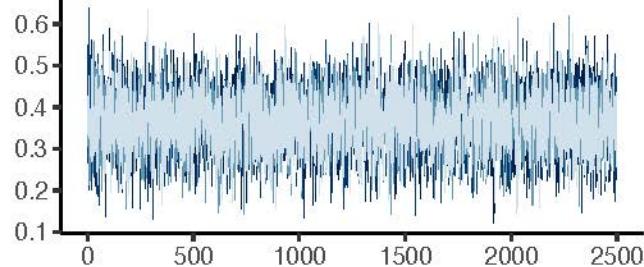
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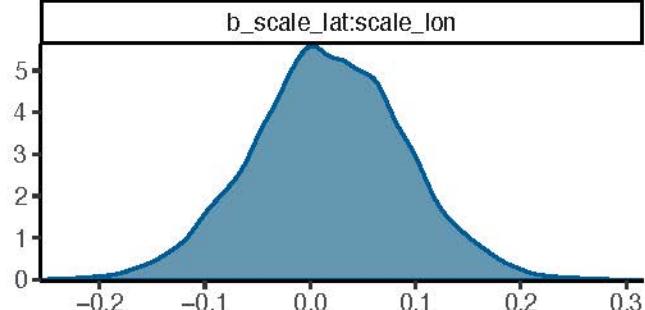
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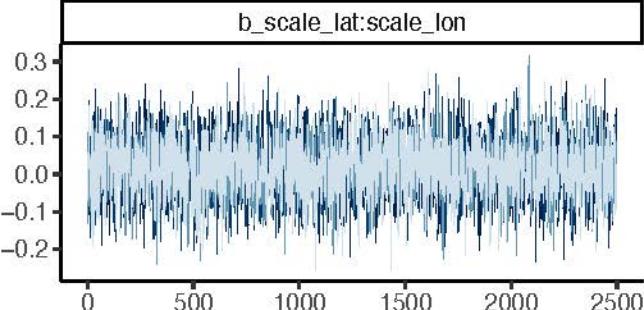
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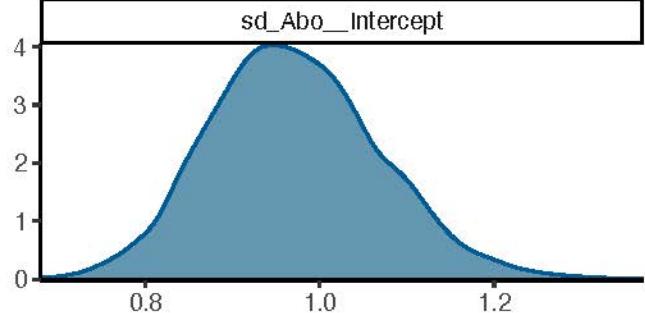
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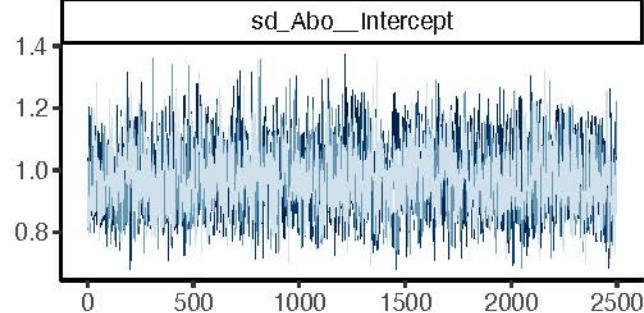
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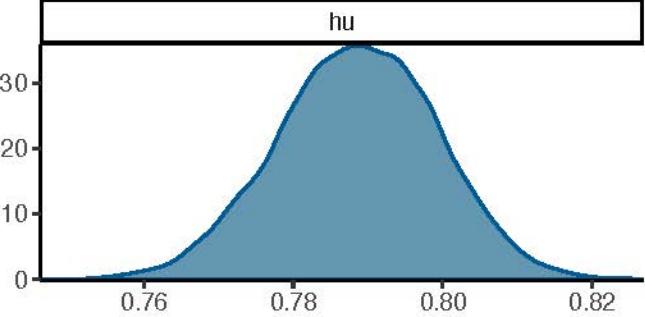
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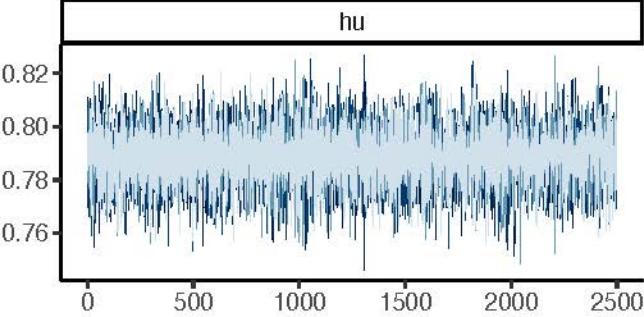
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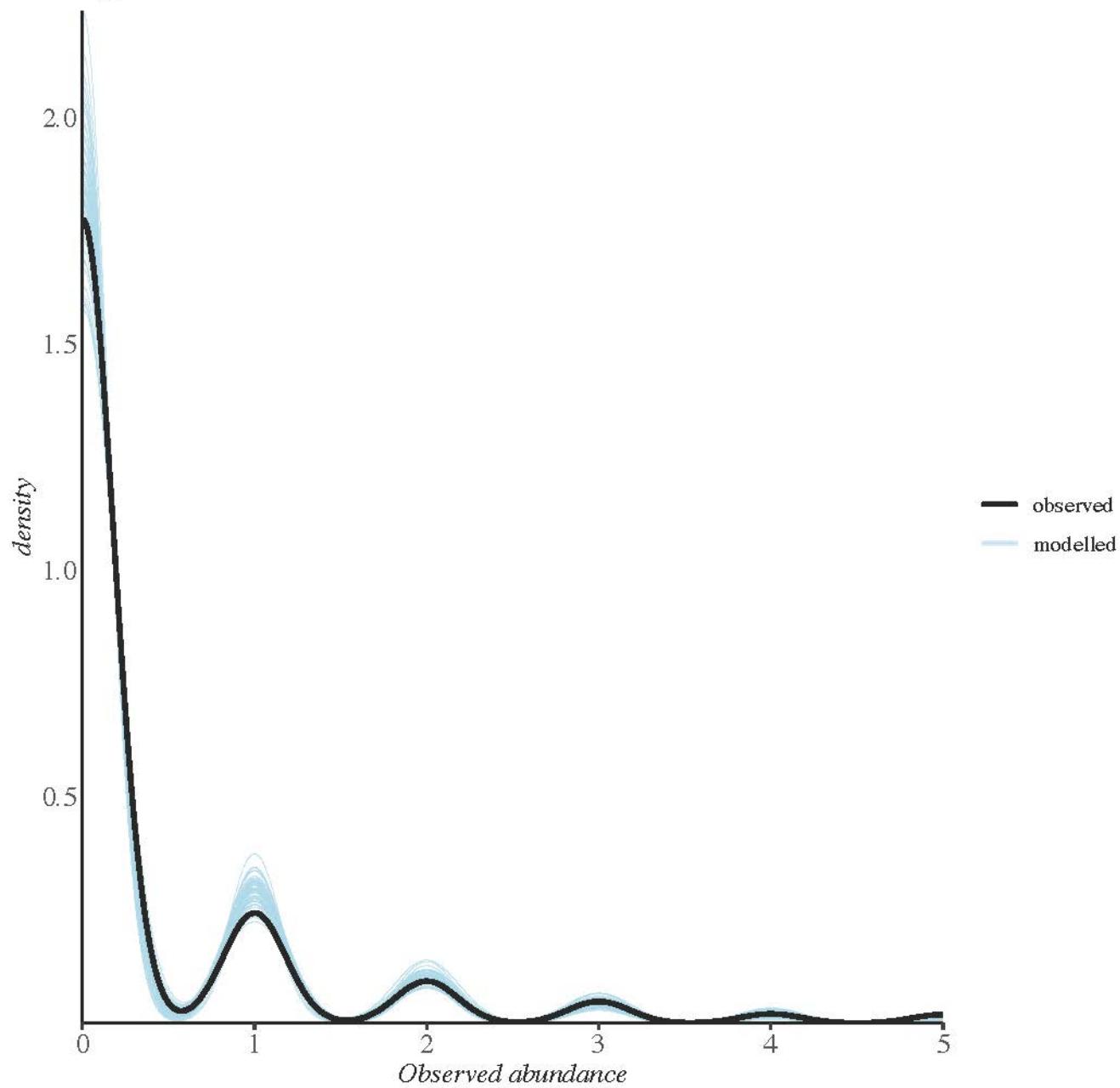
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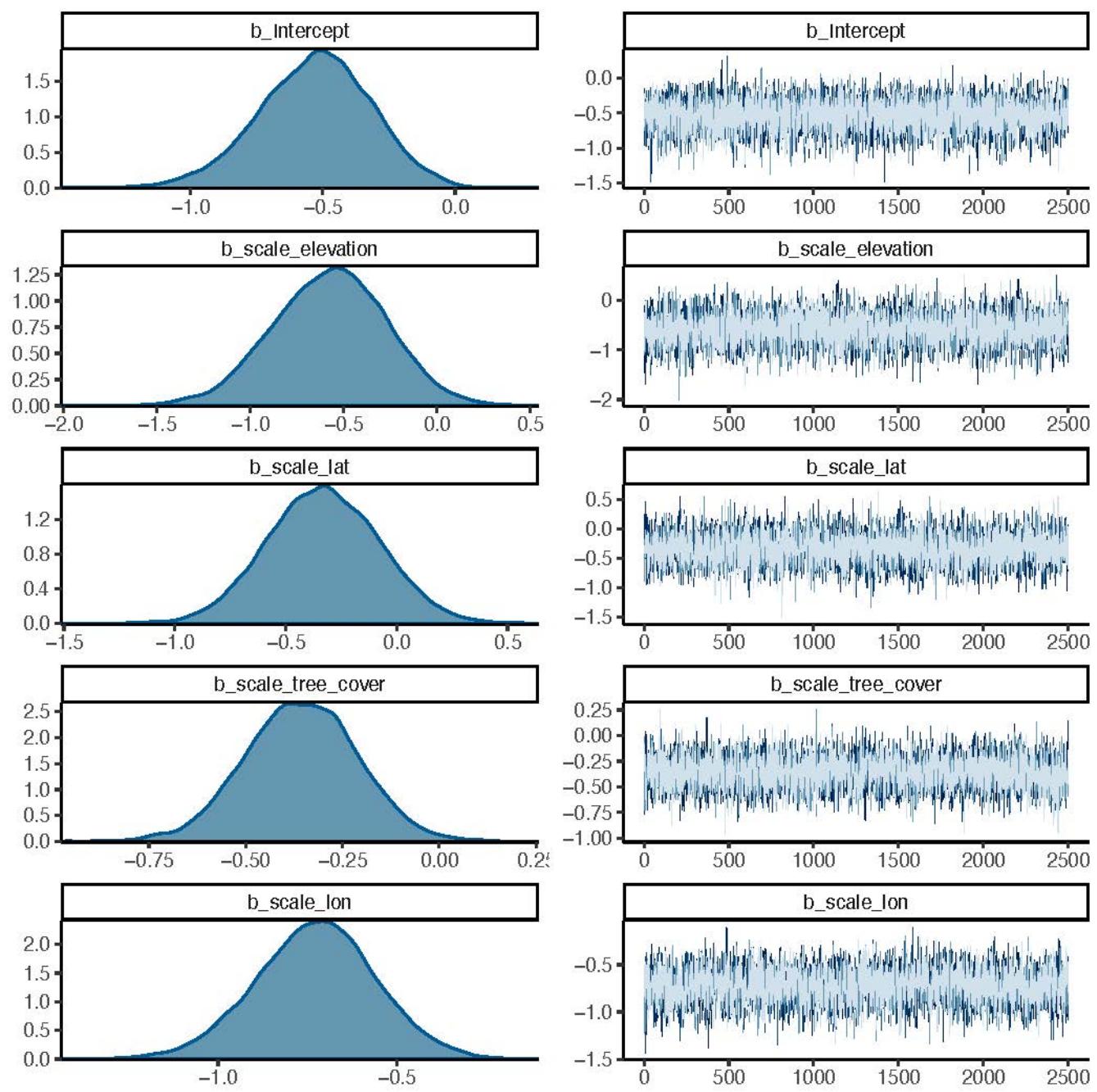
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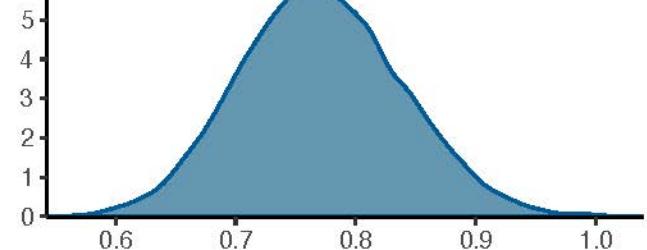
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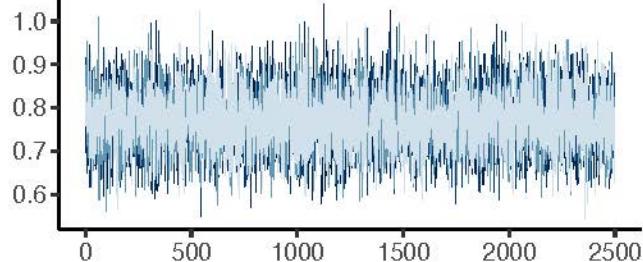
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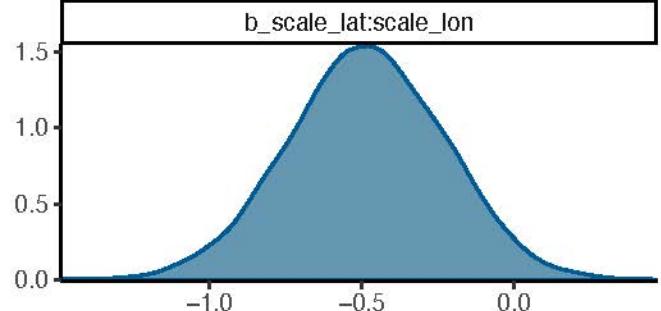
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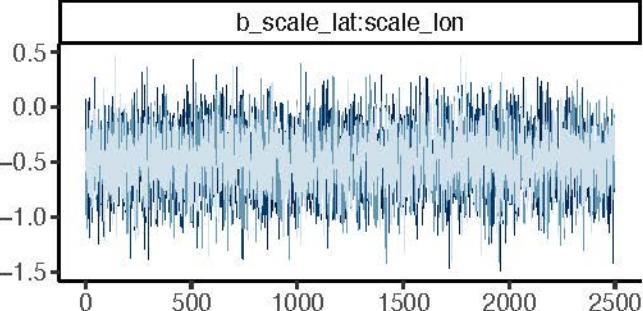
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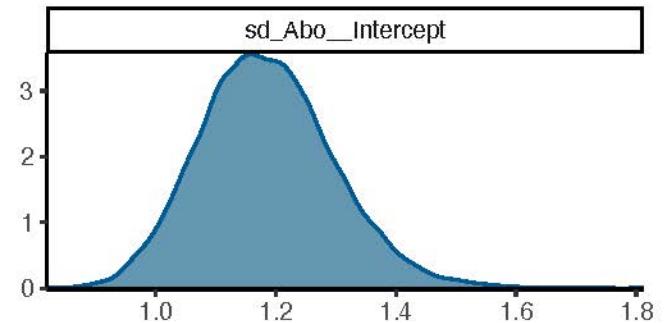
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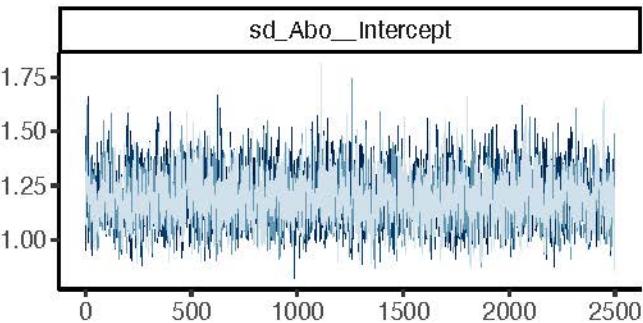
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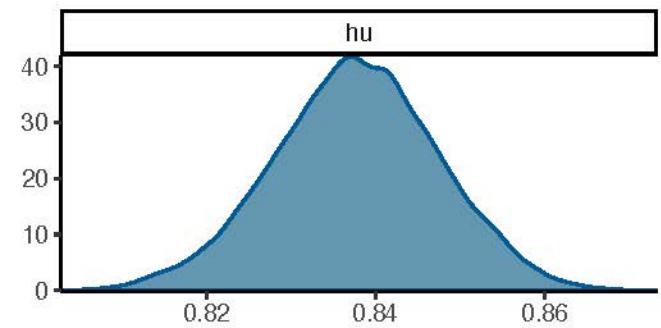
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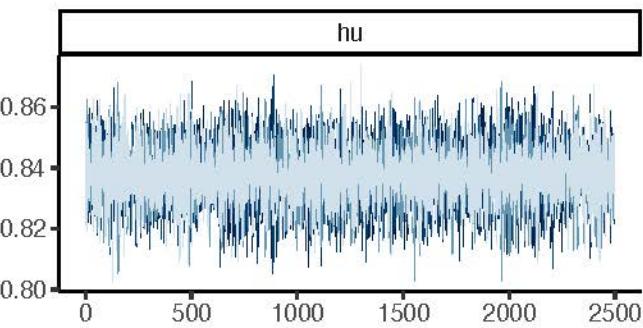
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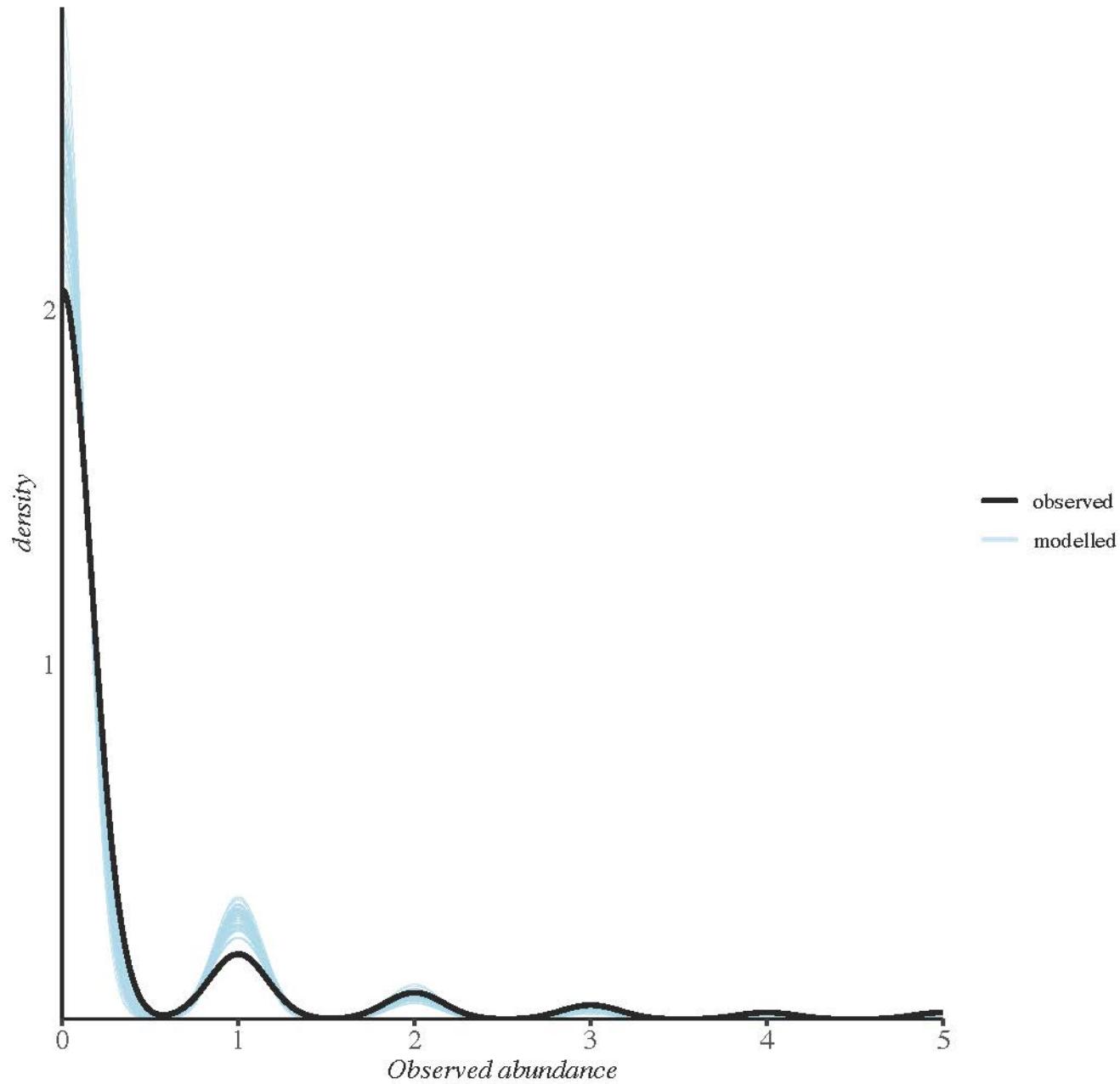
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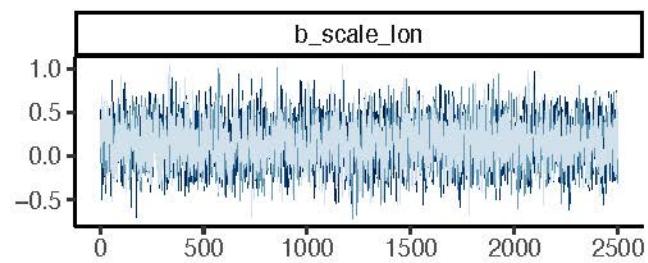
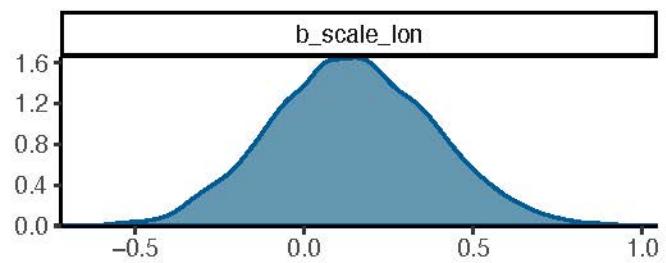
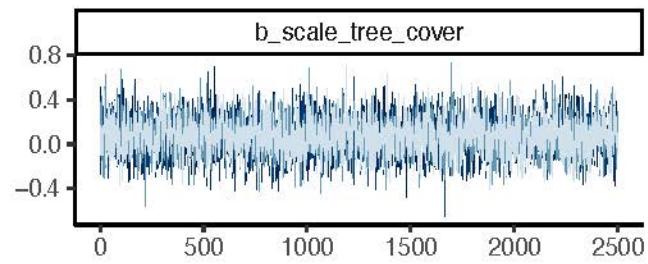
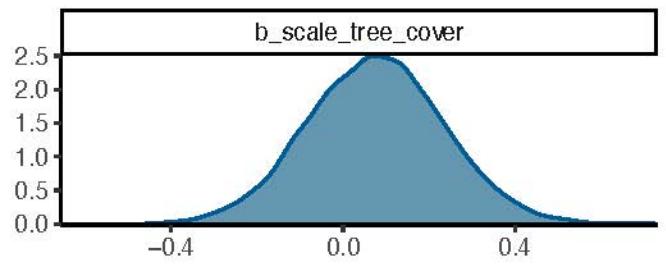
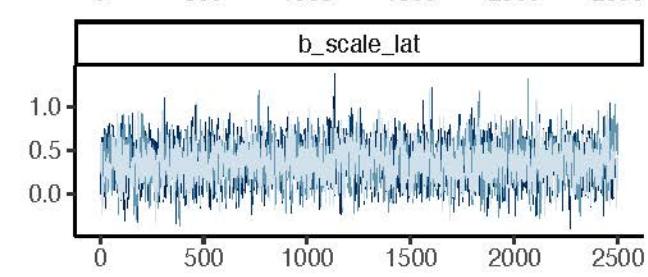
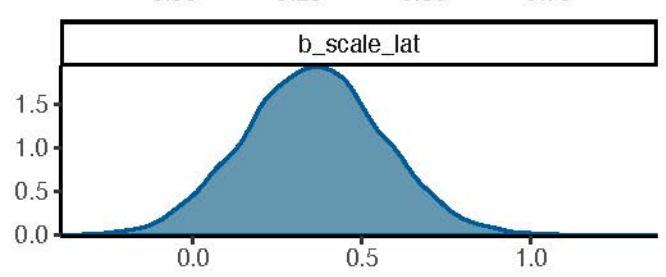
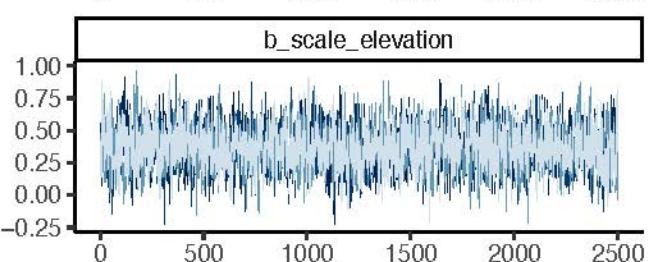
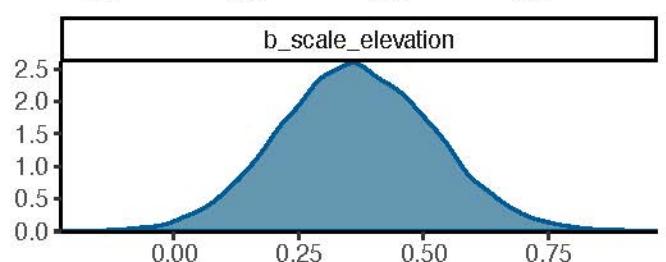
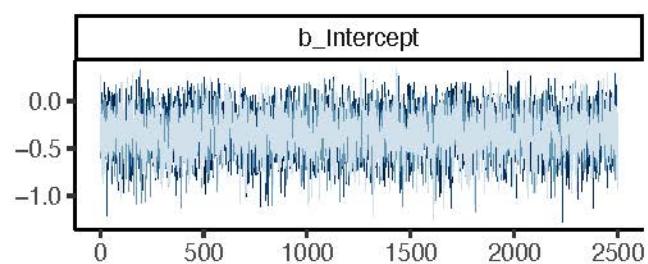
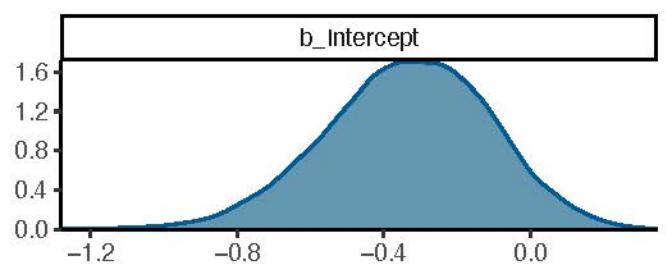
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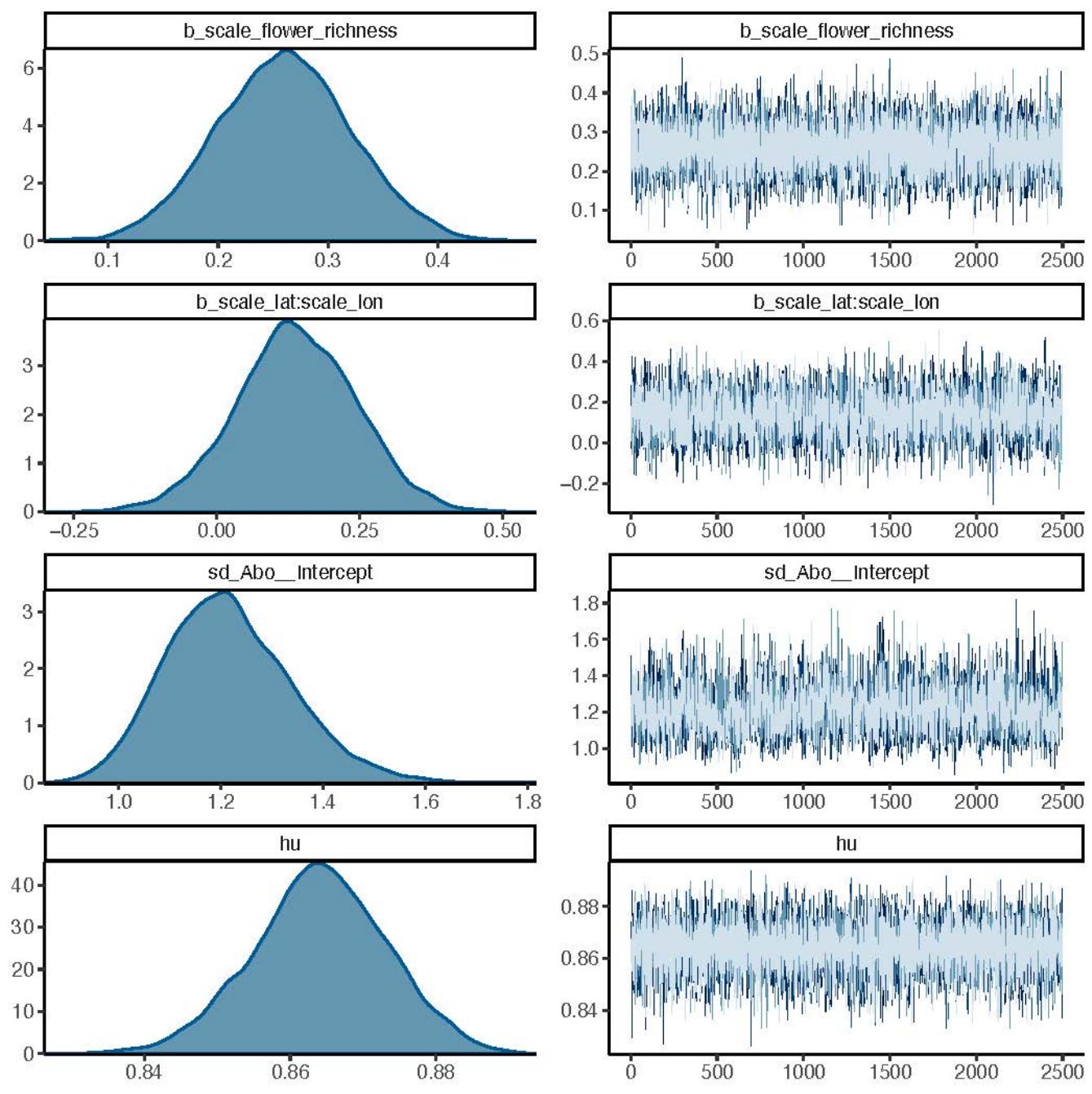


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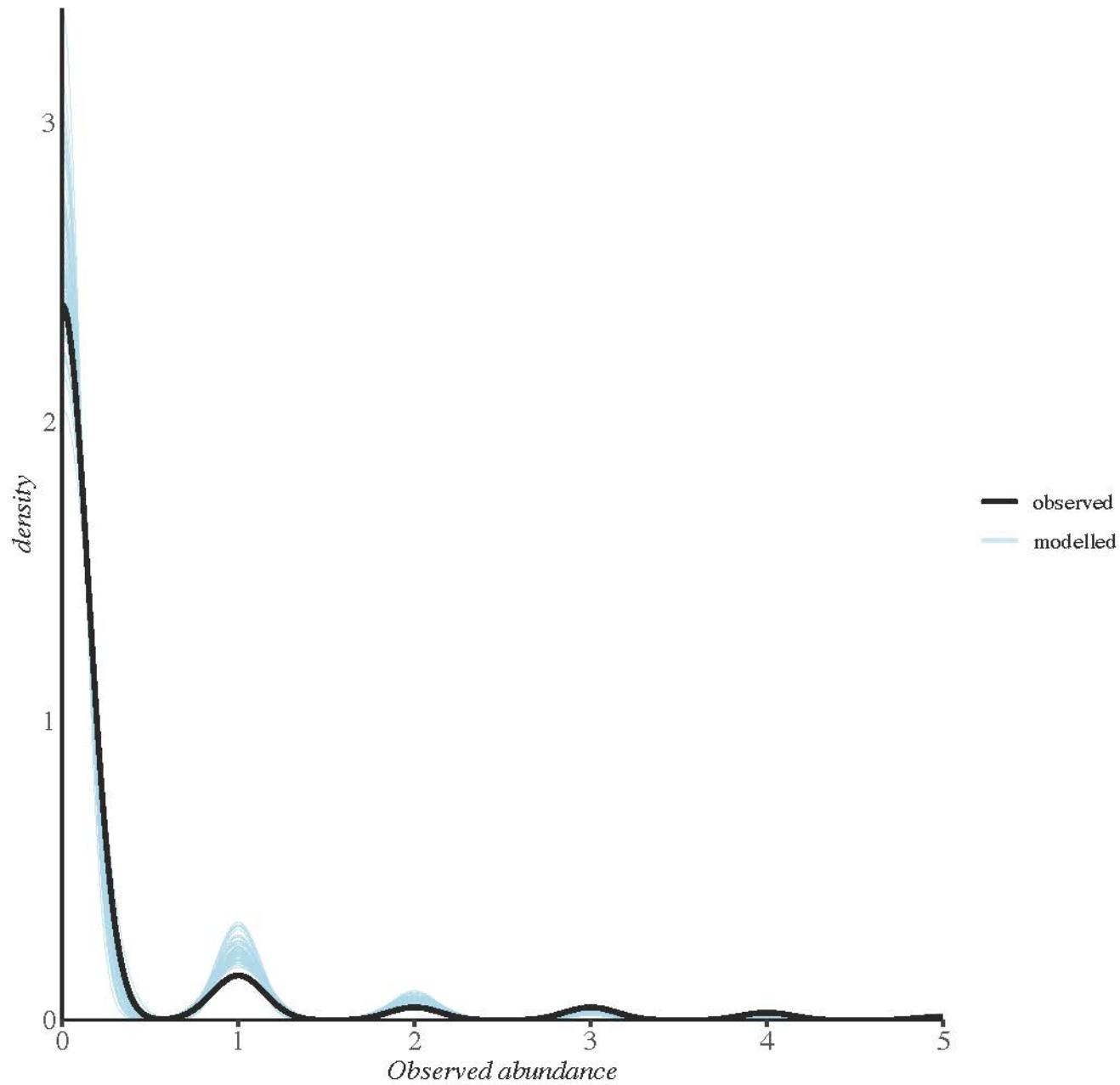


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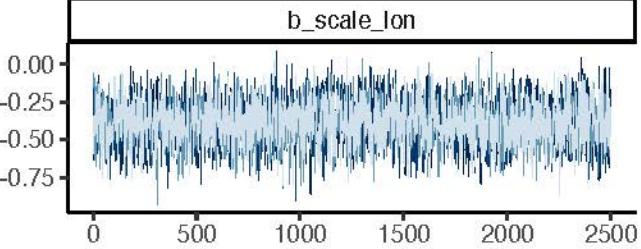
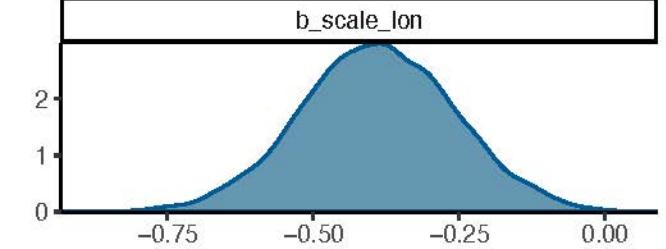
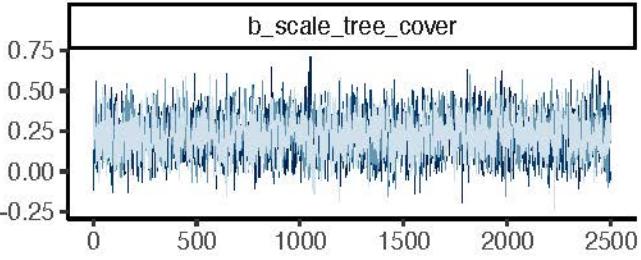
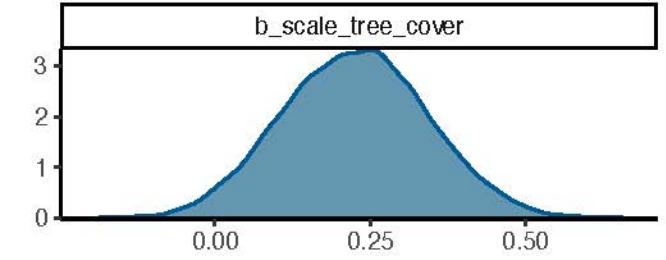
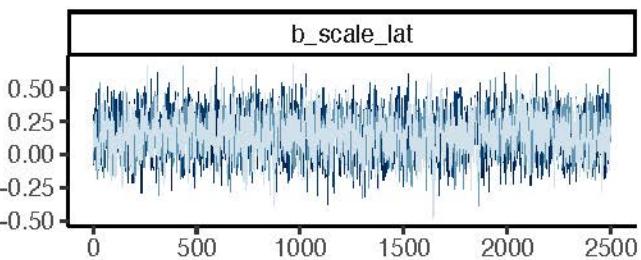
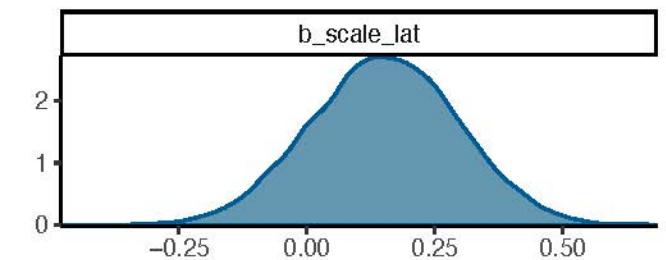
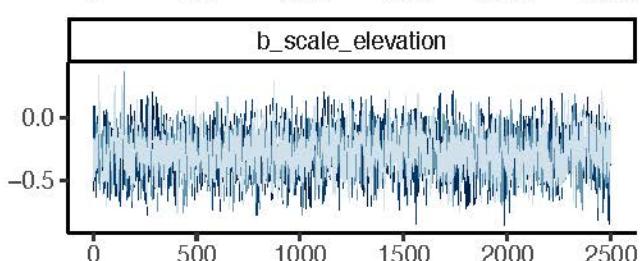
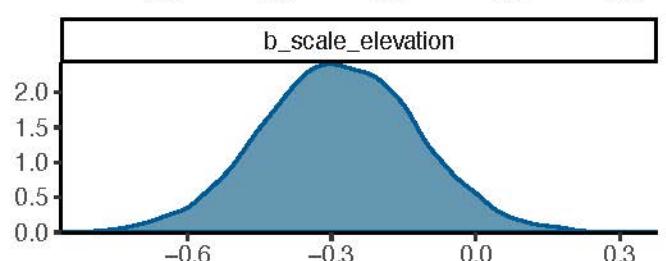
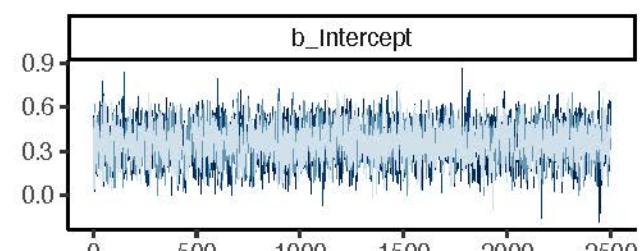
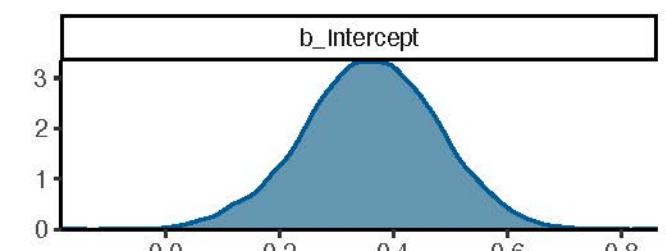


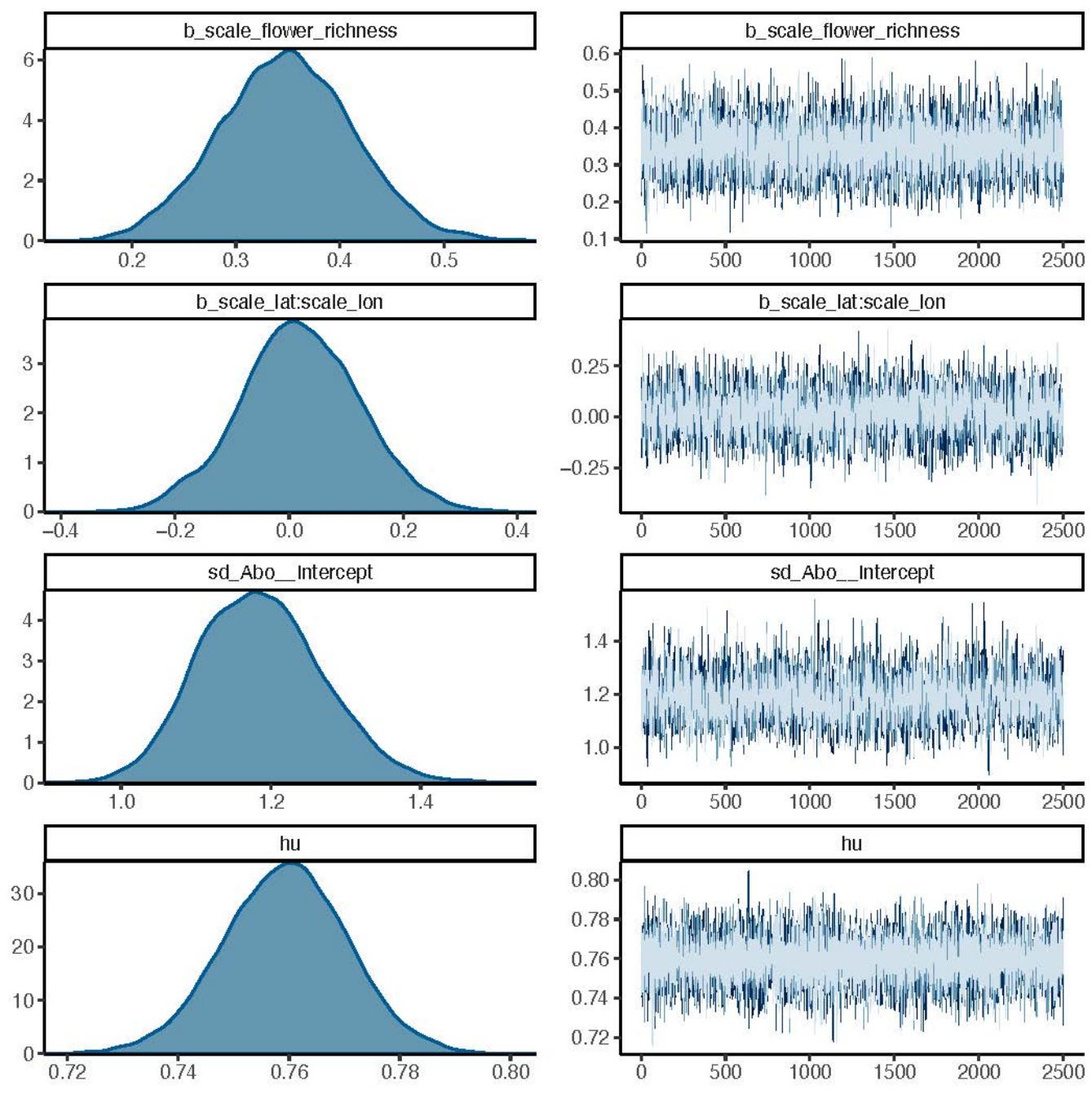


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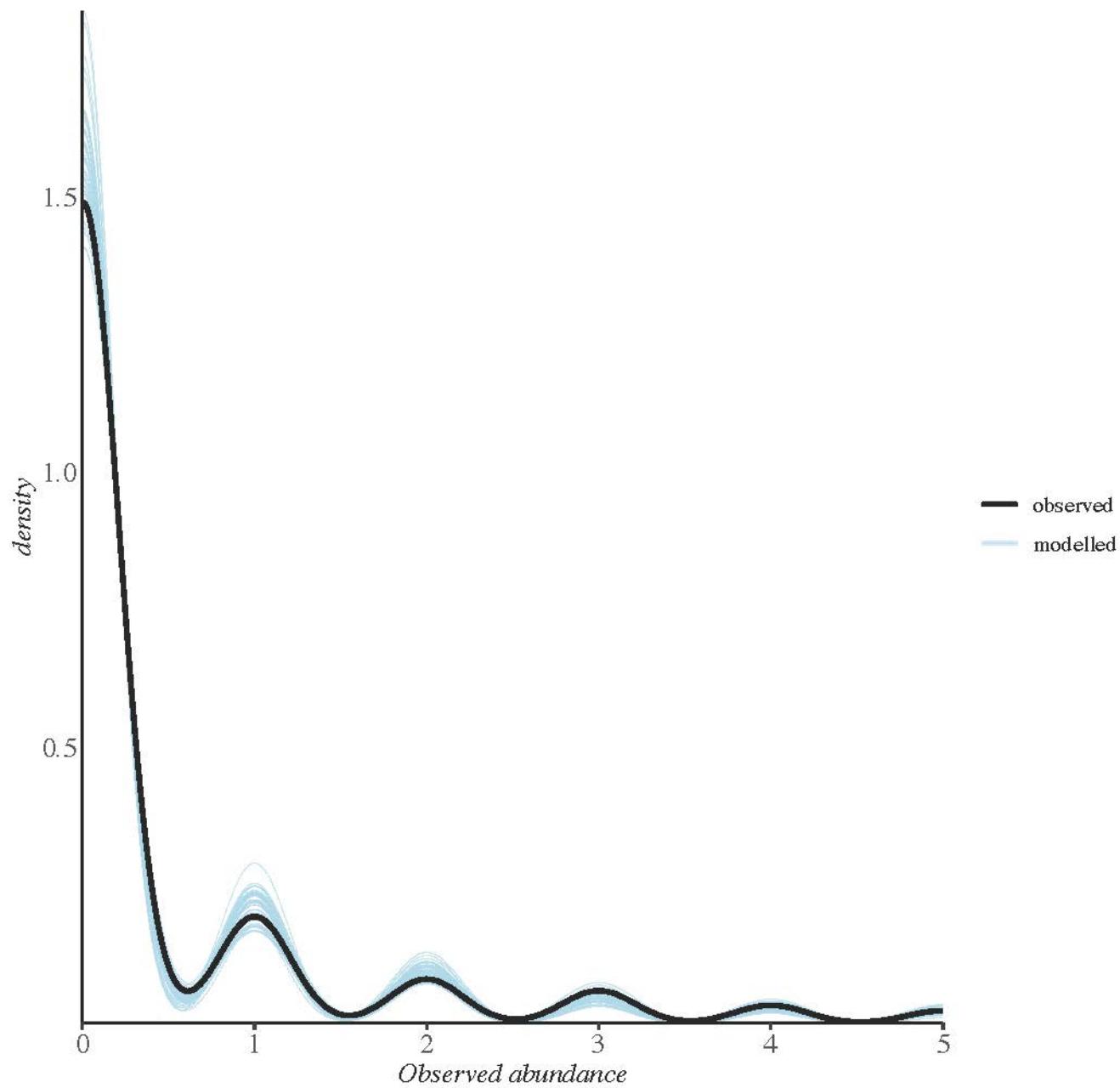


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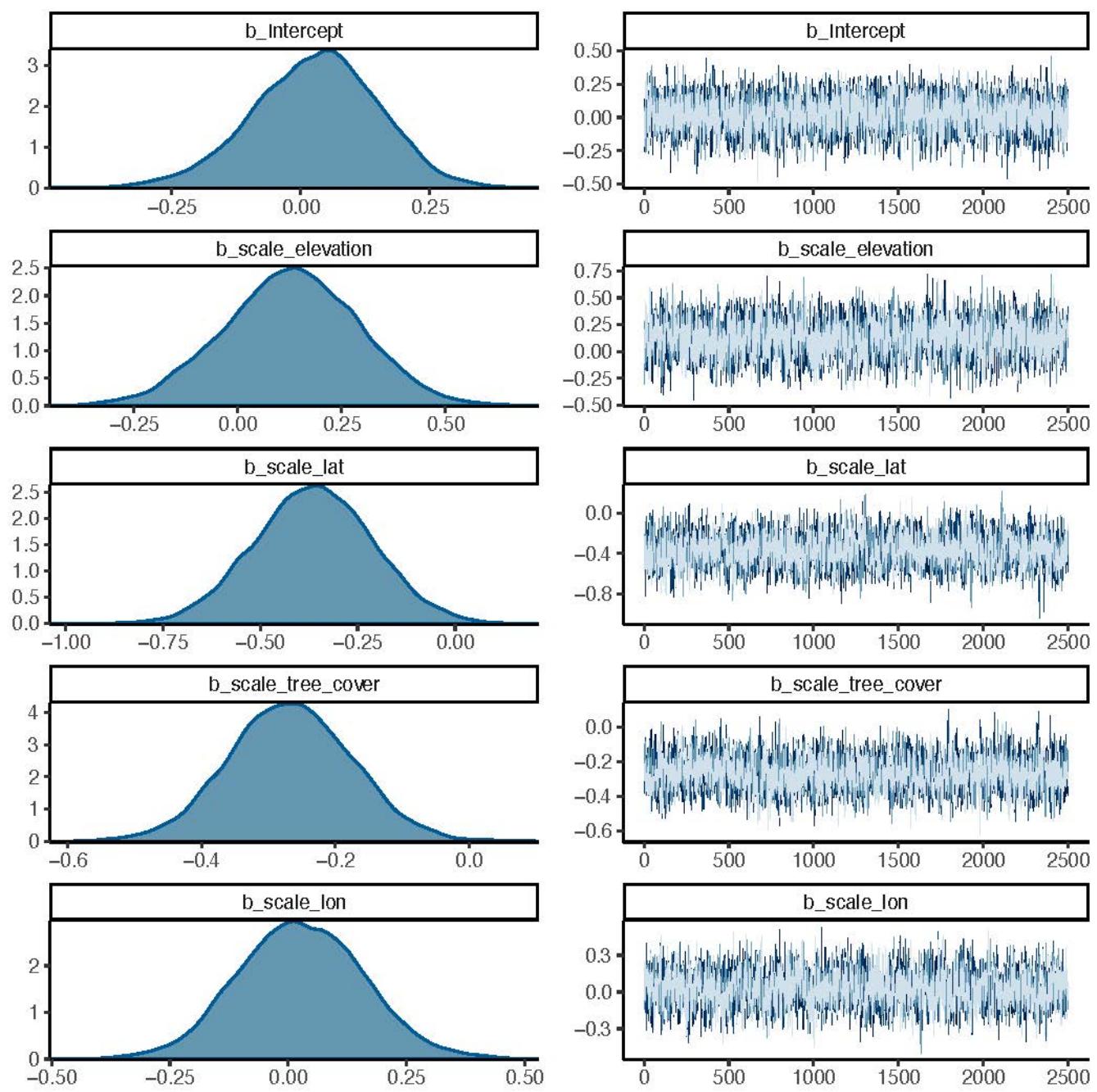




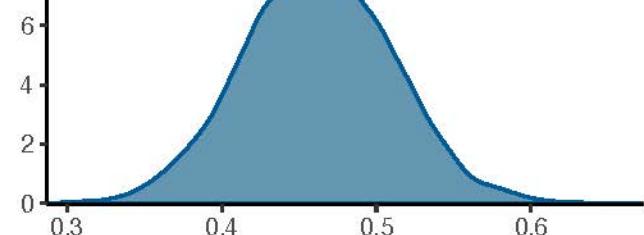
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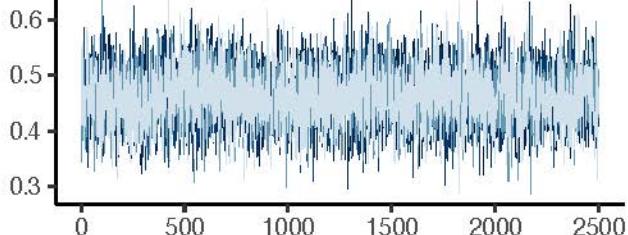
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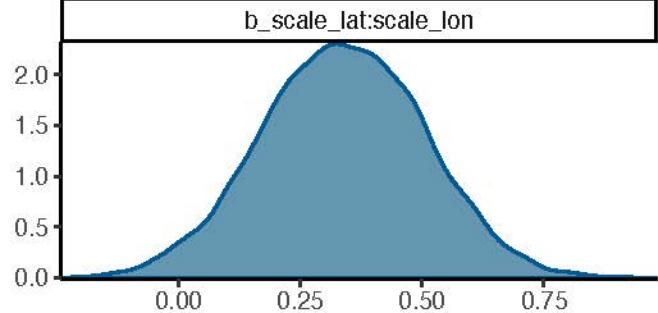
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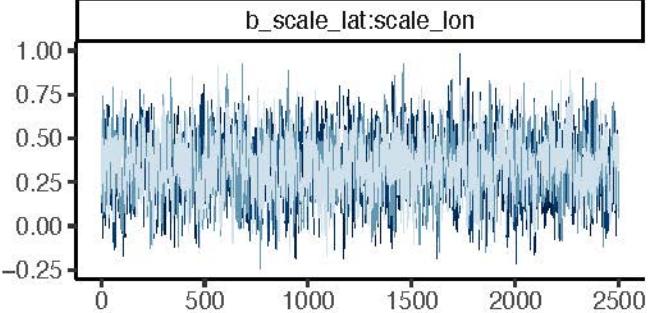
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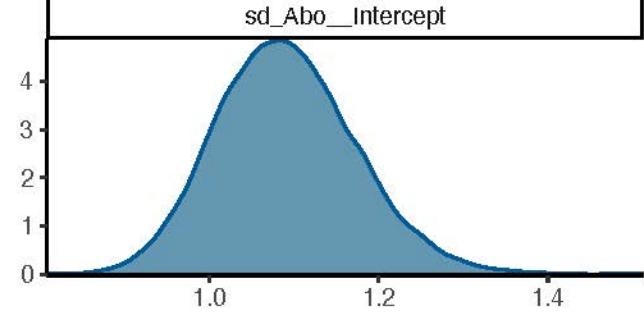
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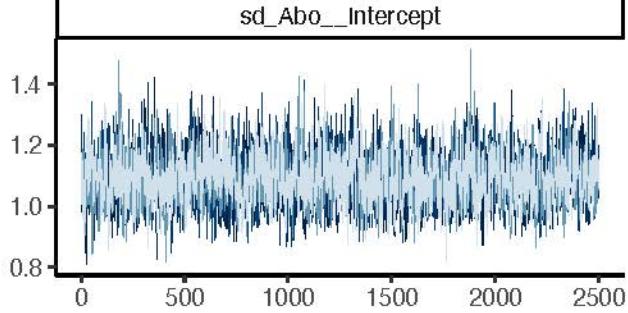
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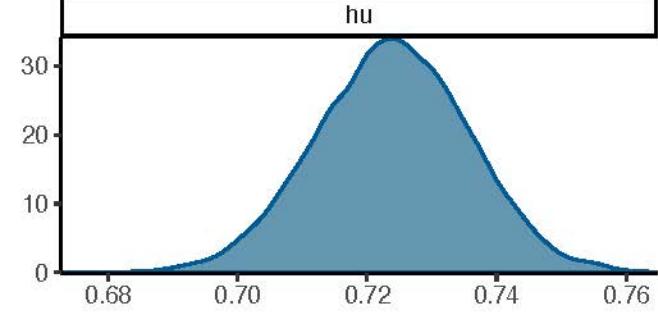
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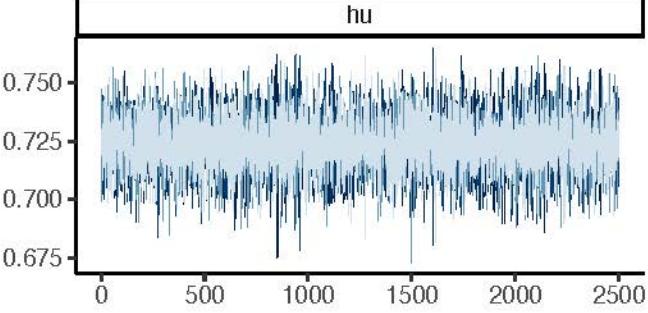
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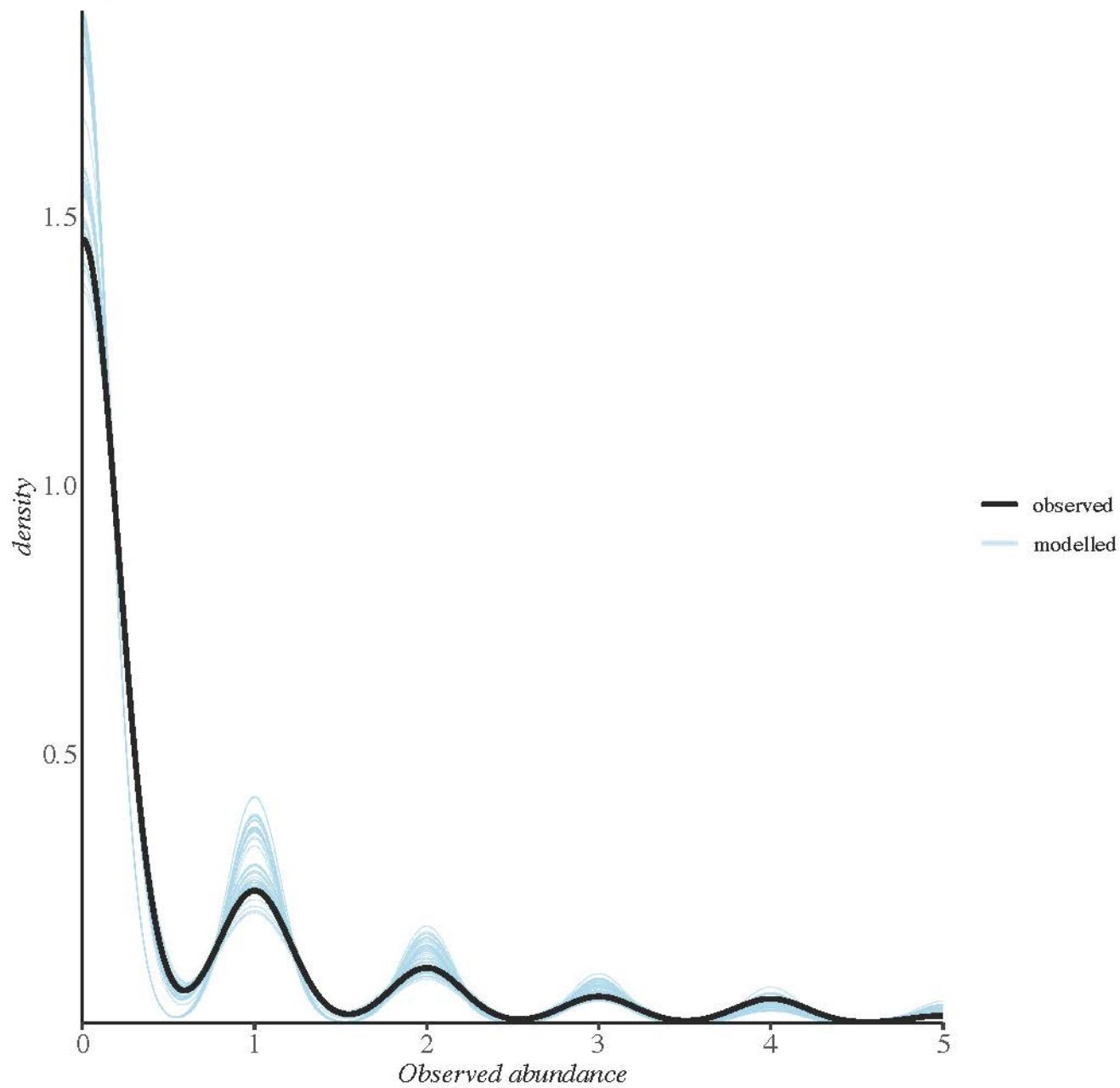
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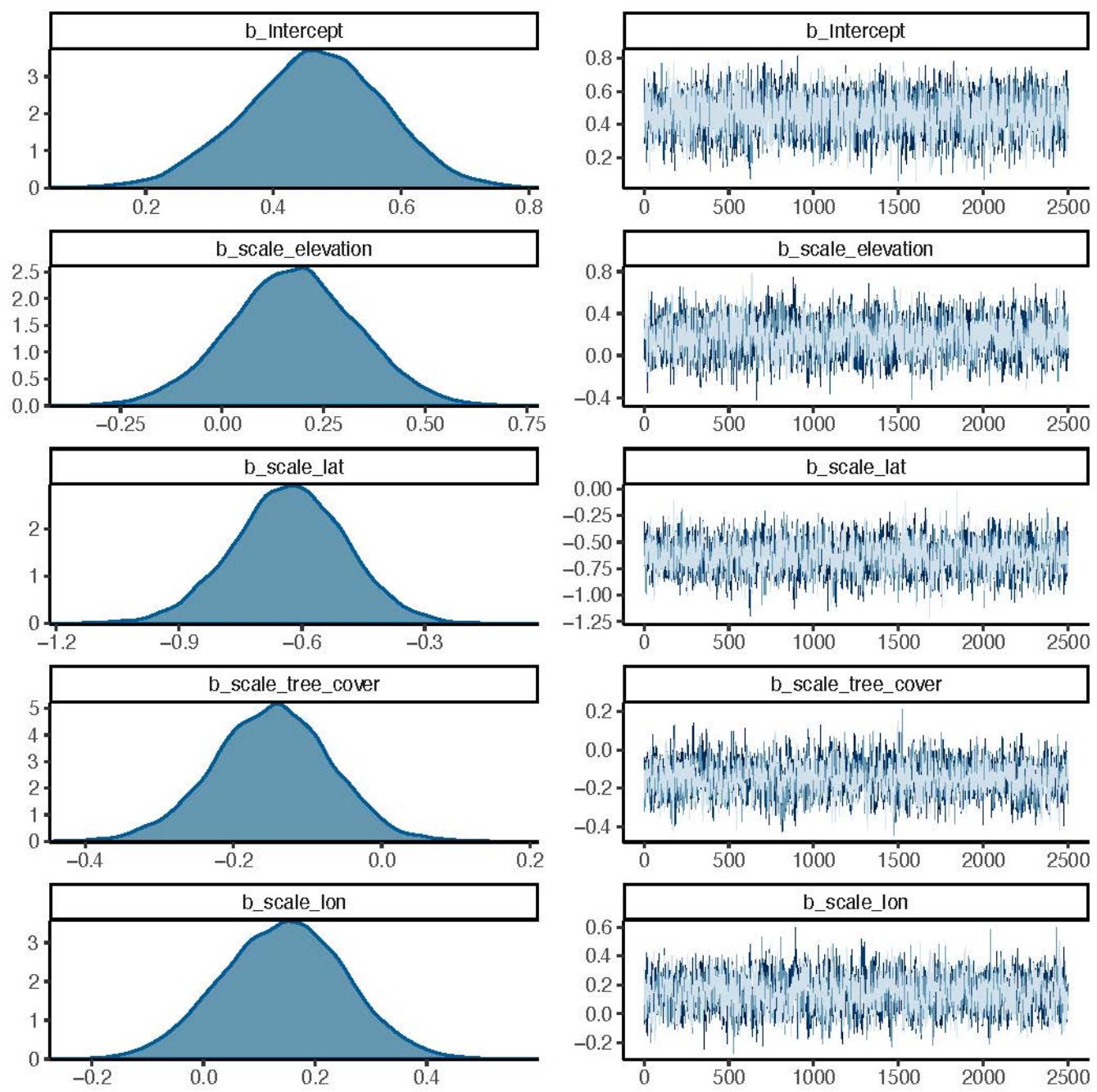
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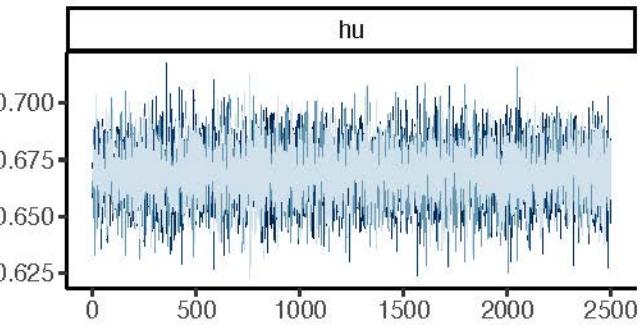
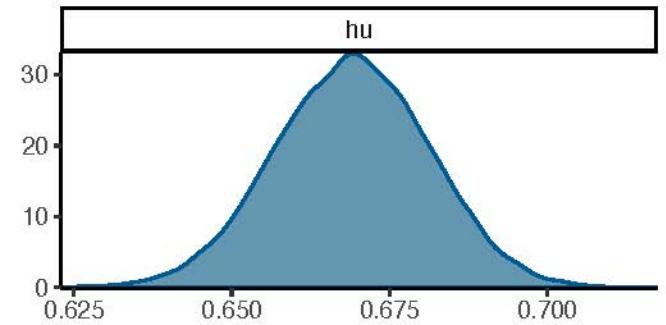
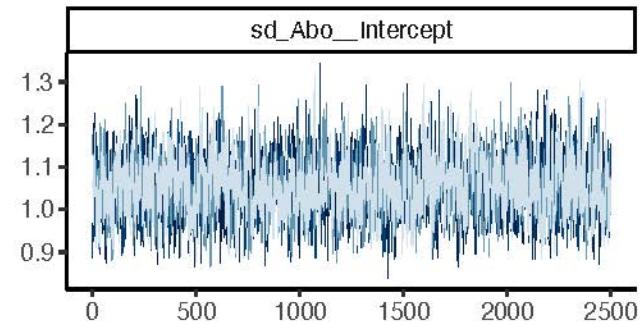
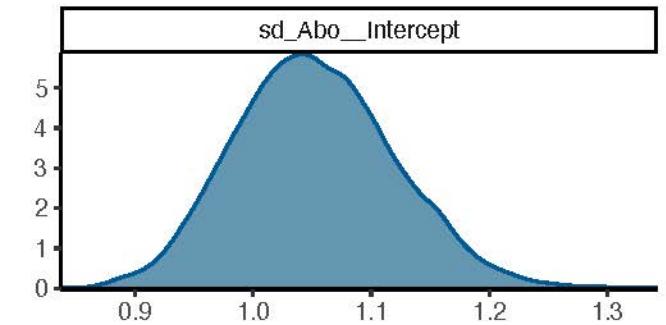
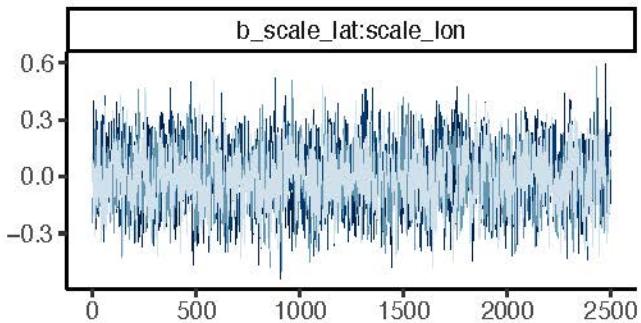
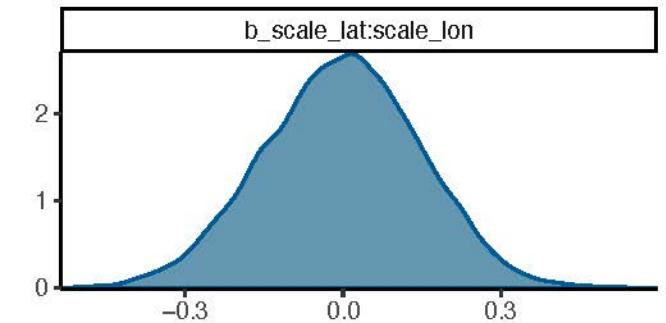
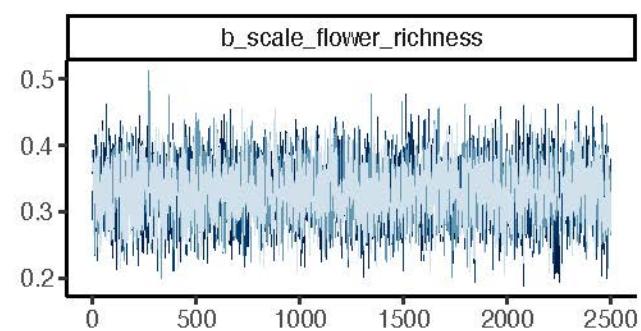
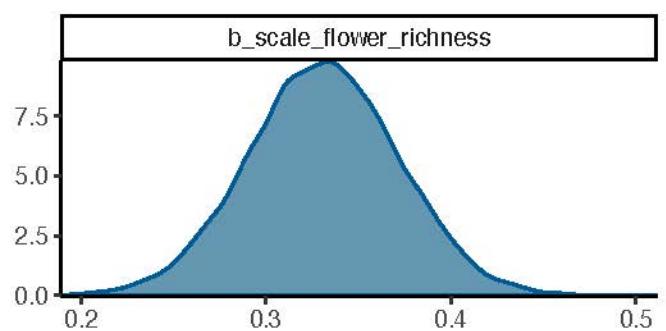


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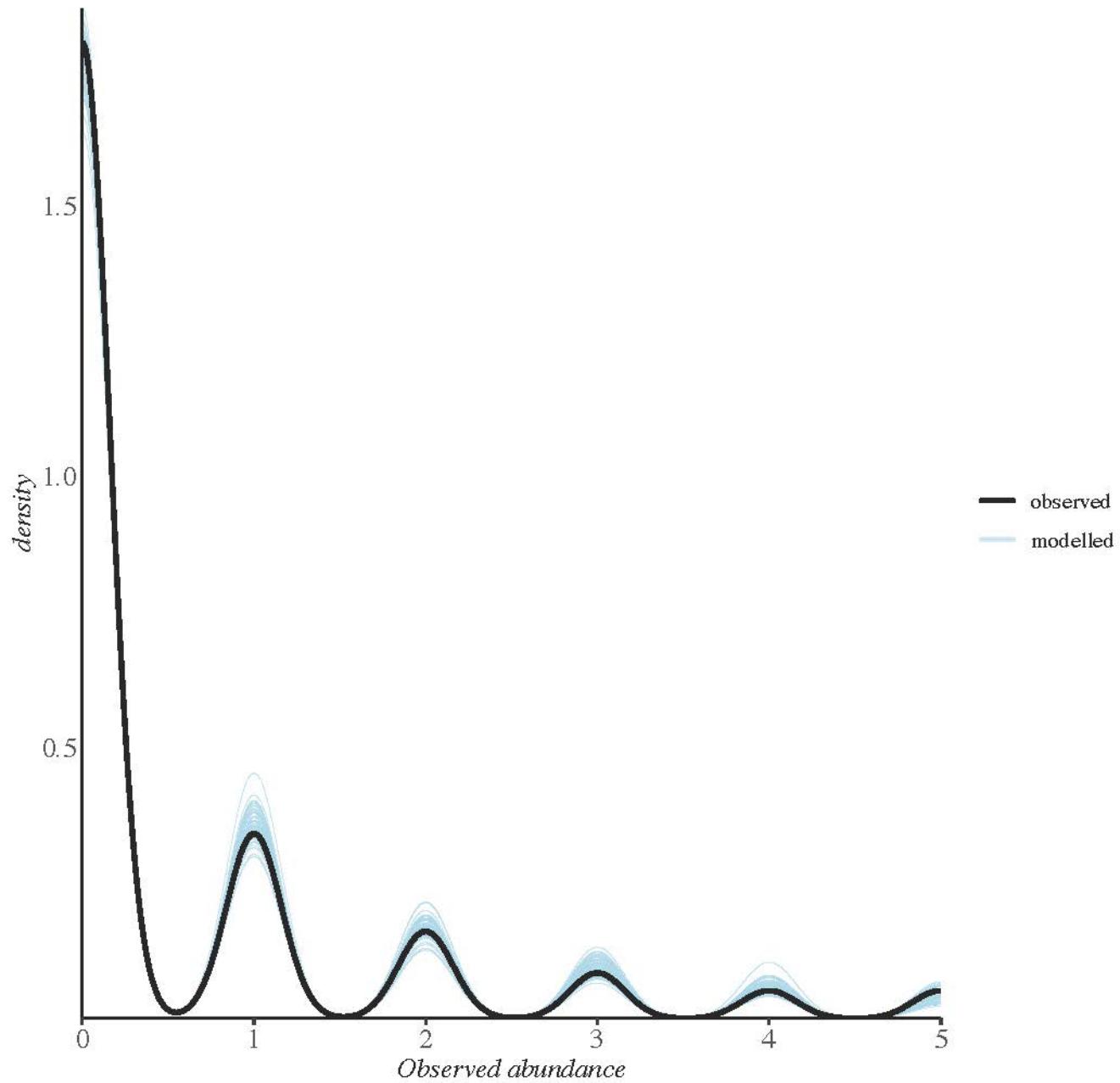


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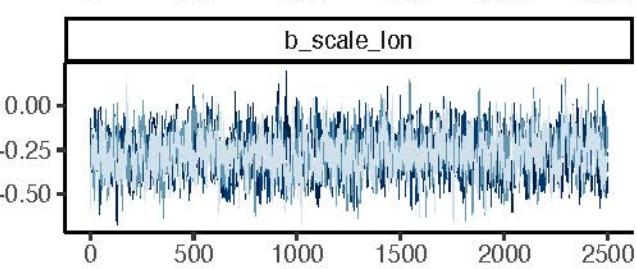
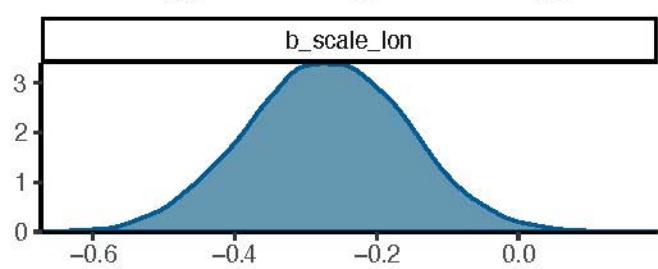
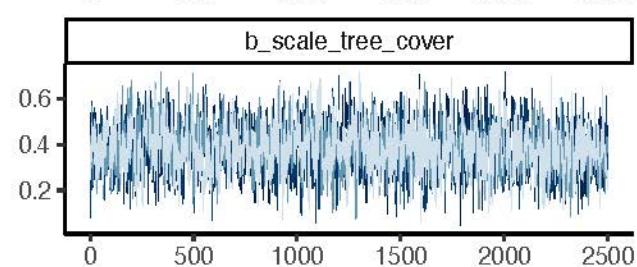
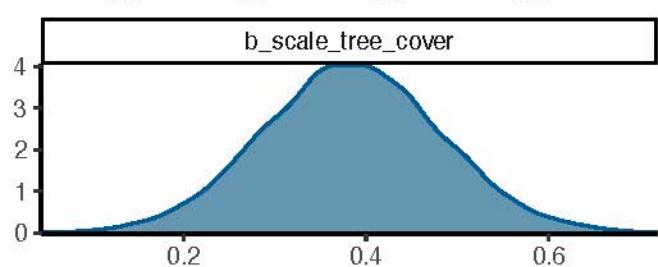
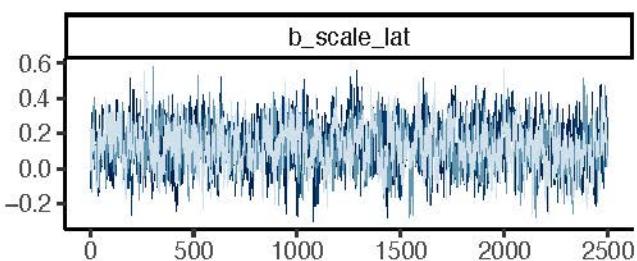
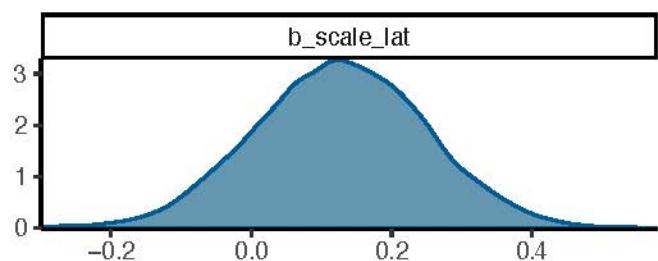
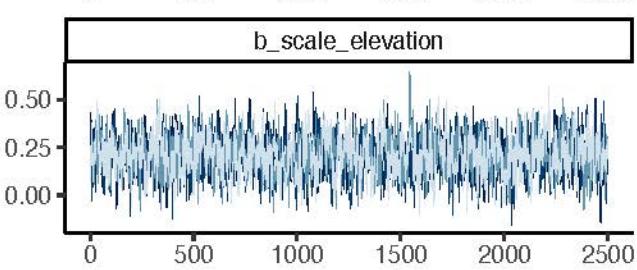
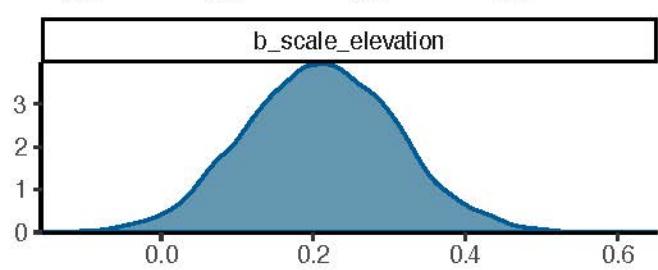
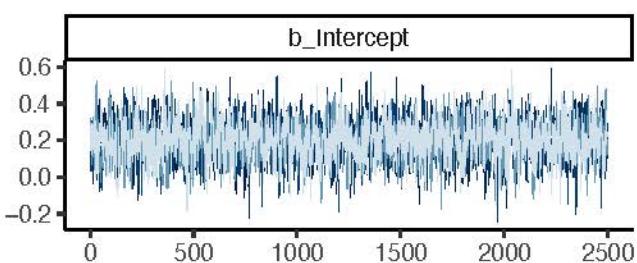
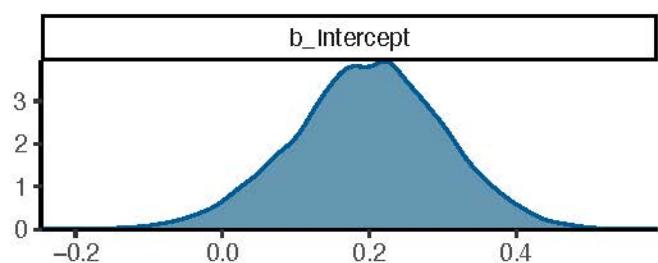


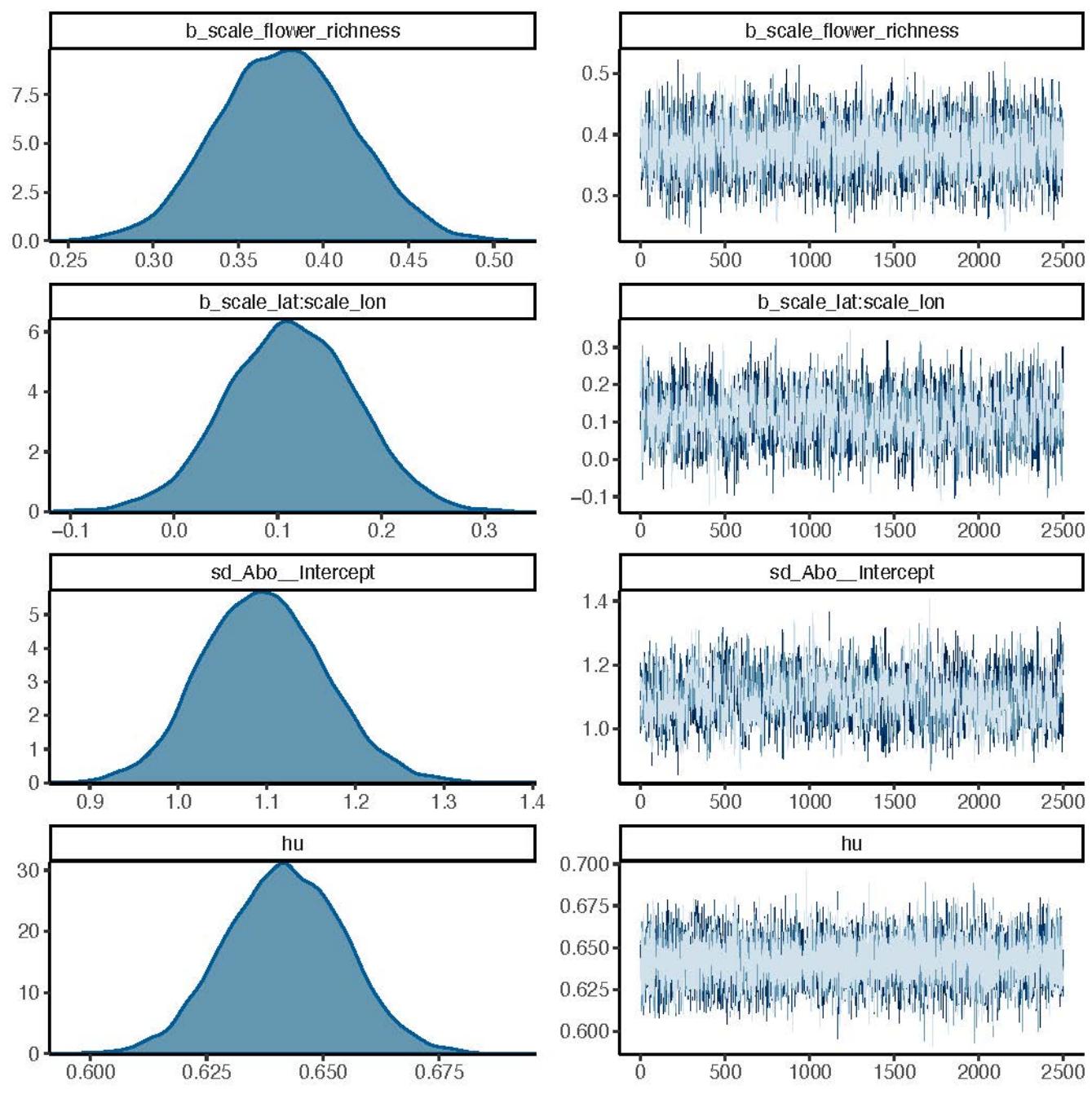


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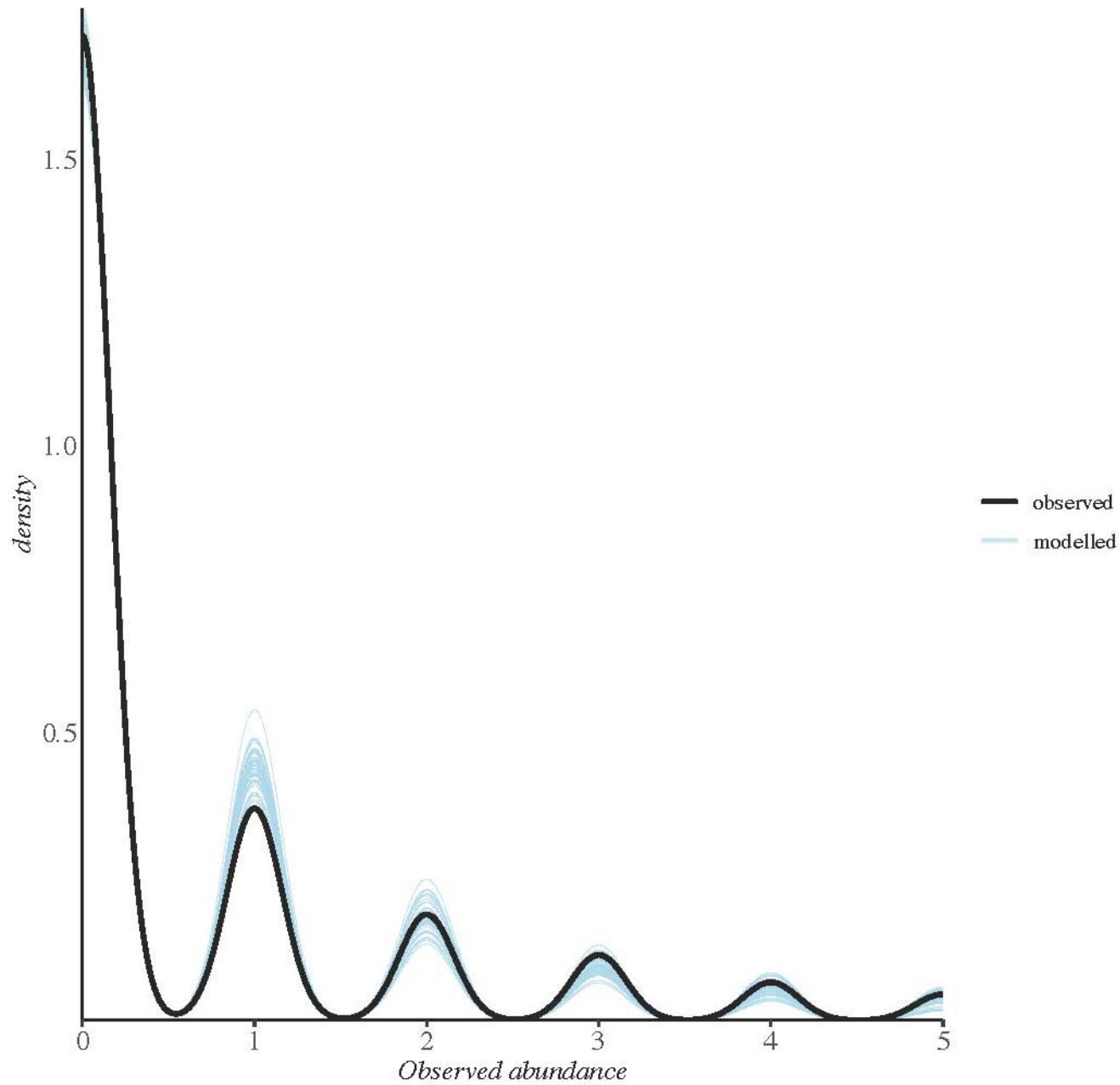


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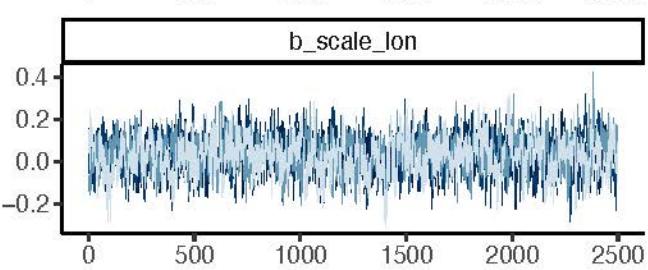
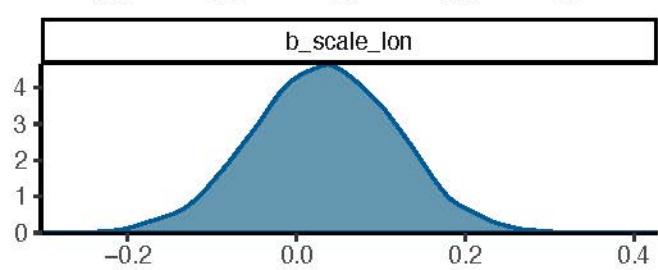
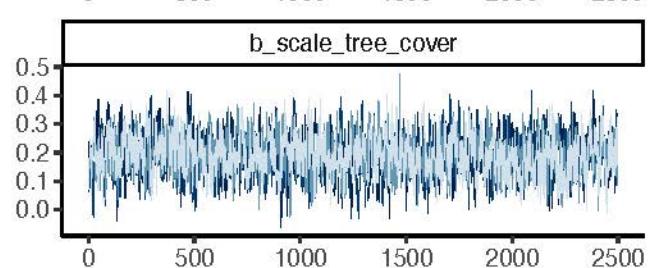
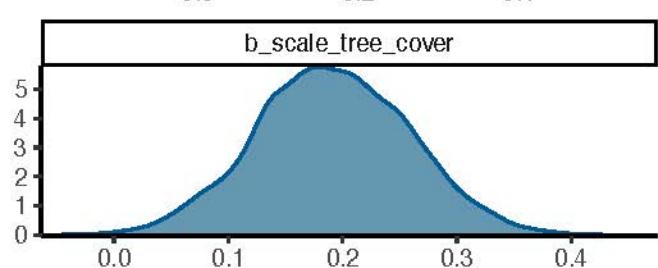
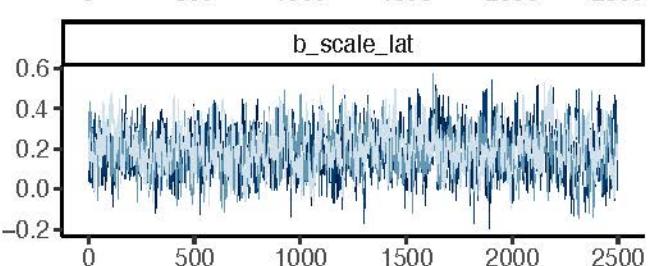
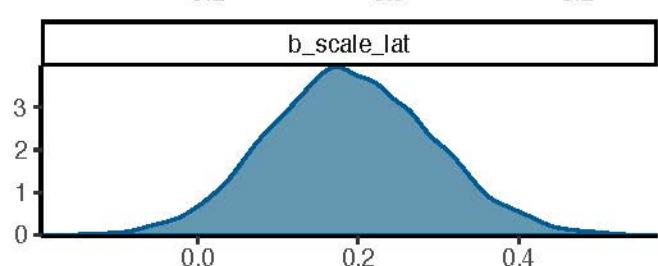
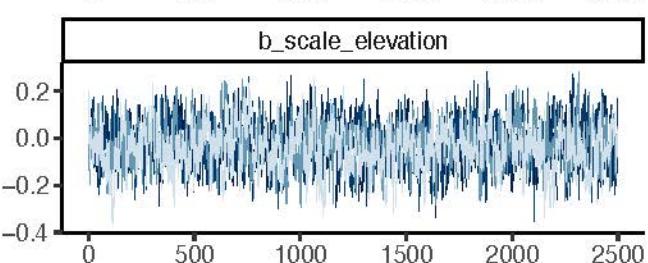
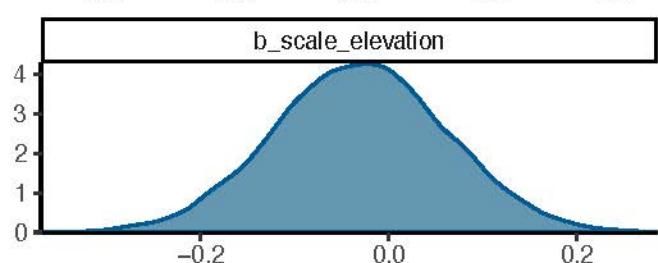
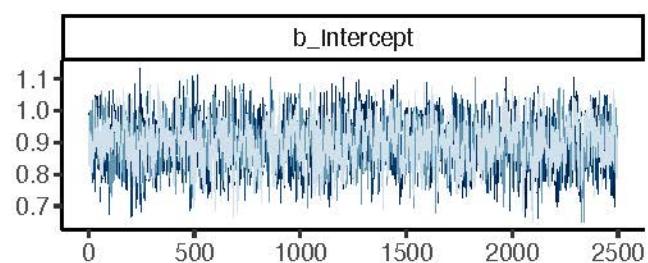
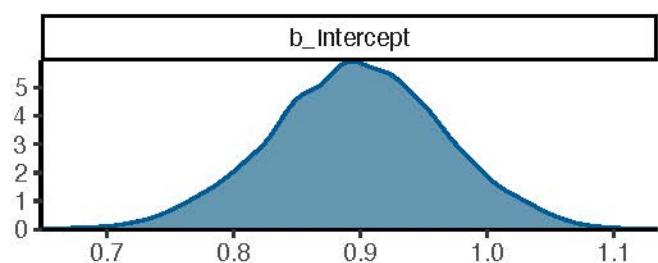




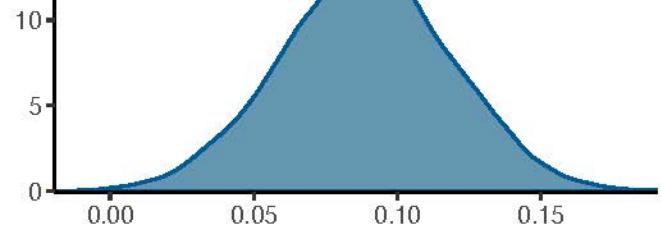
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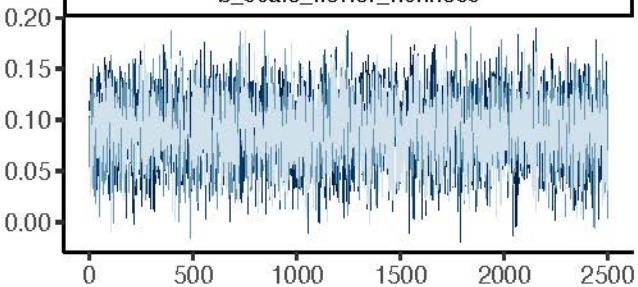
lucorum



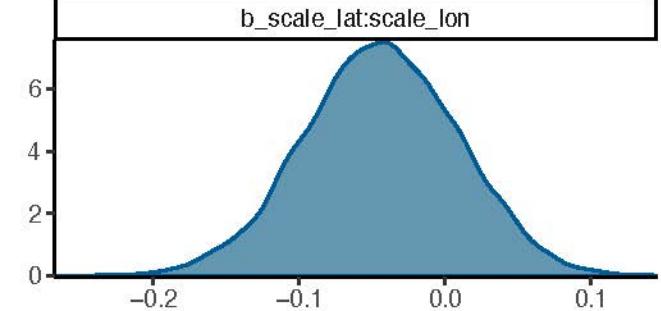
b\_scale\_flower\_richness



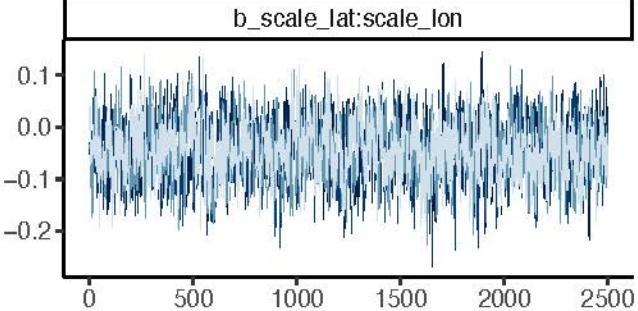
b\_scale\_flower\_richness



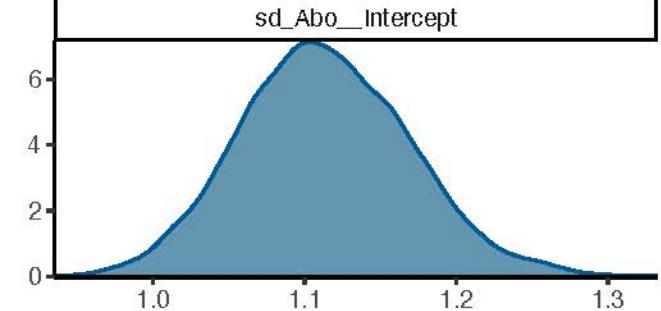
b\_scale\_lat:scale\_Ion



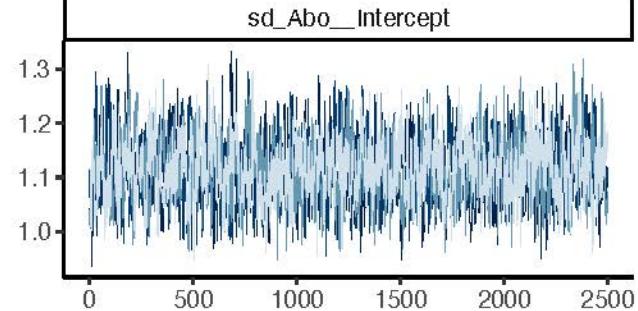
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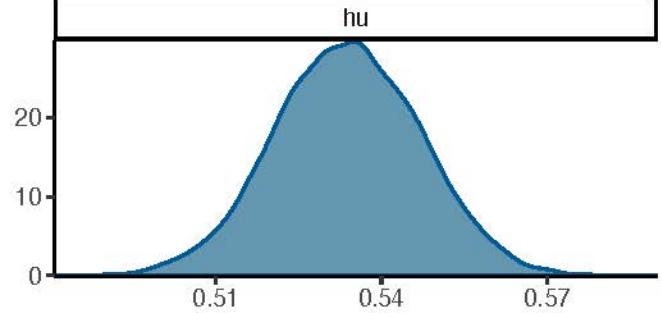
sd\_Abo\_Intercept



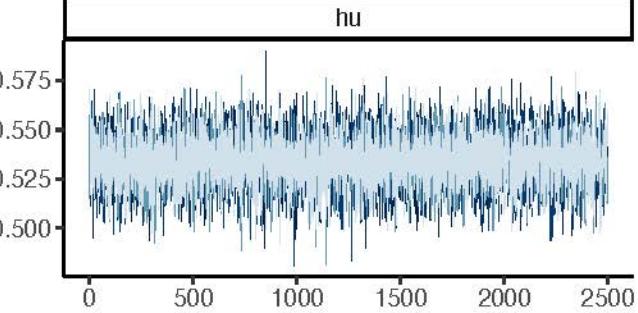
sd\_Abo\_Intercept

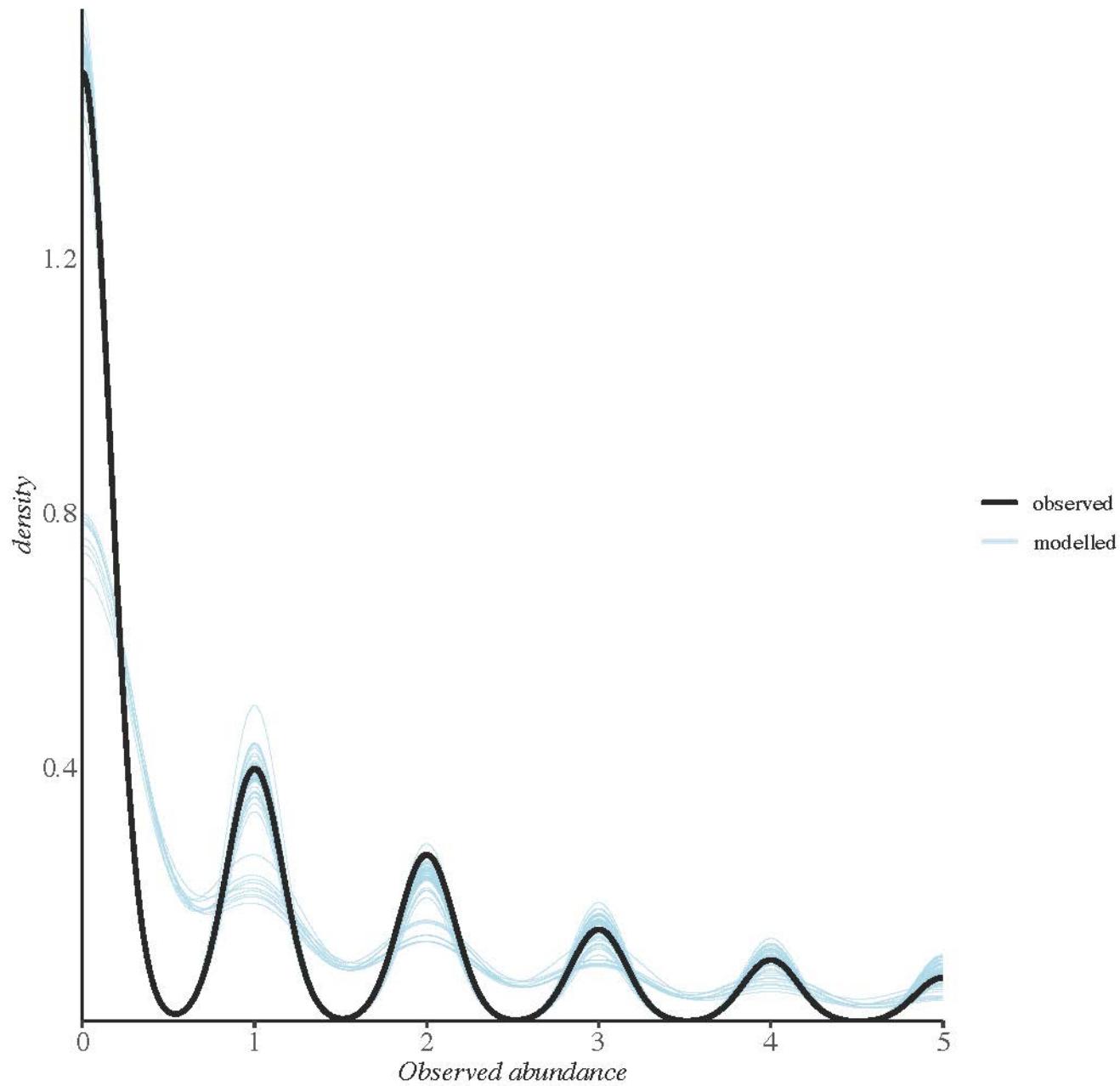


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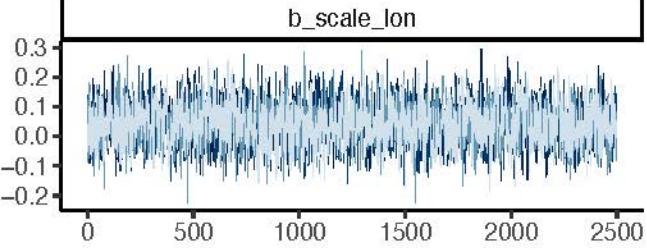
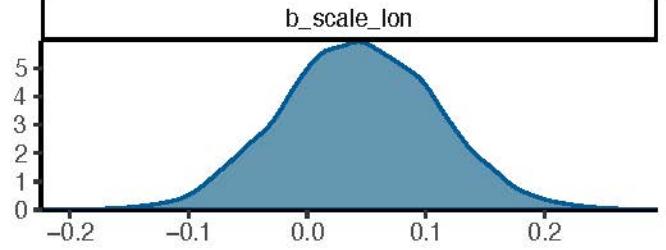
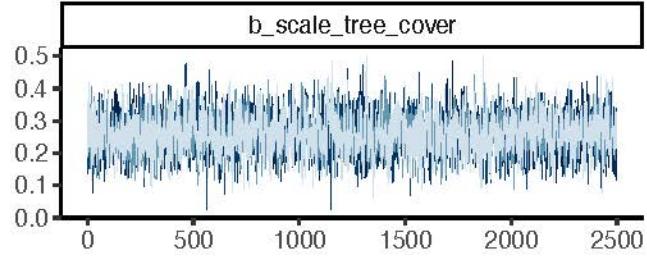
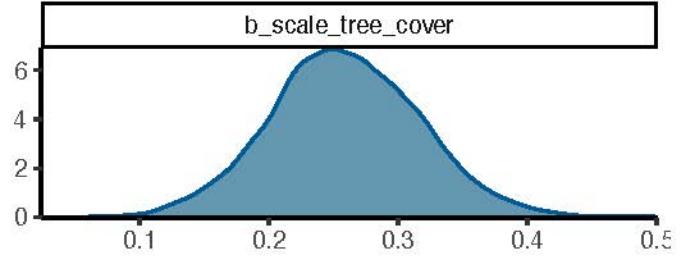
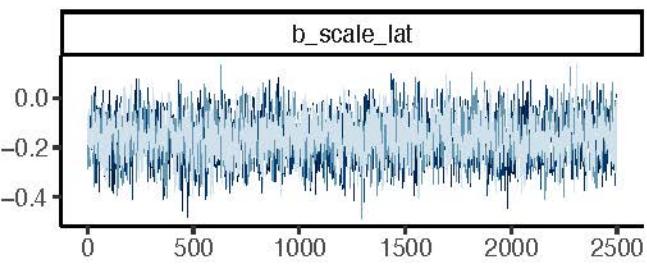
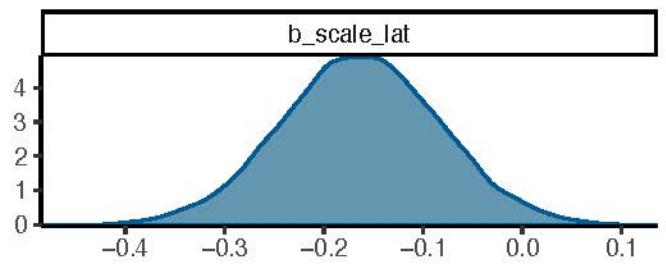
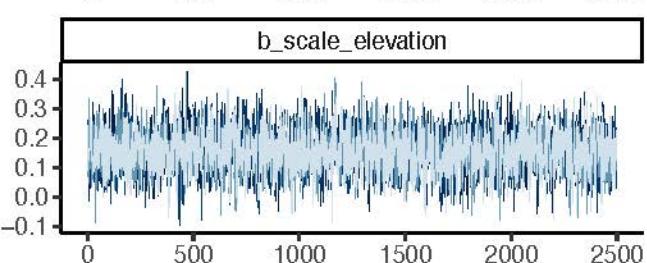
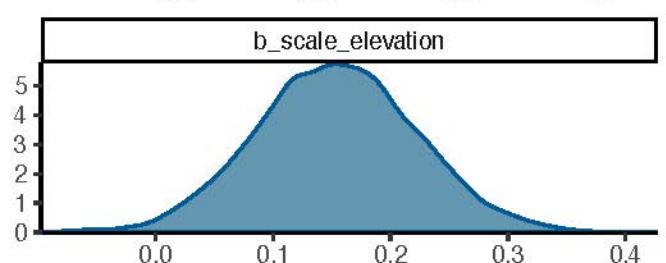
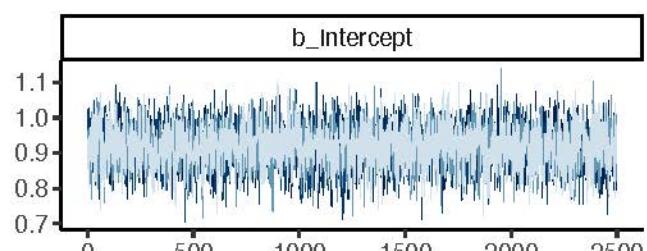
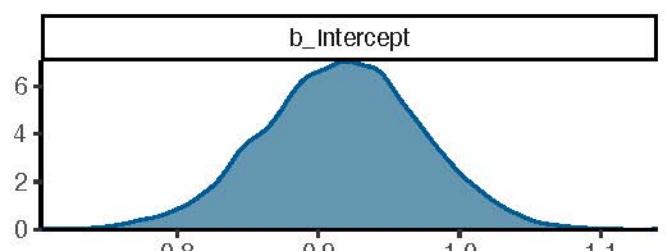


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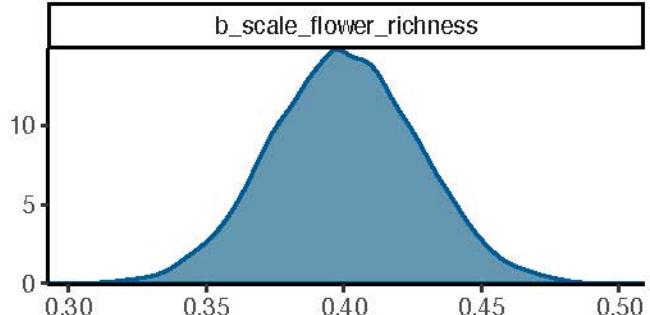




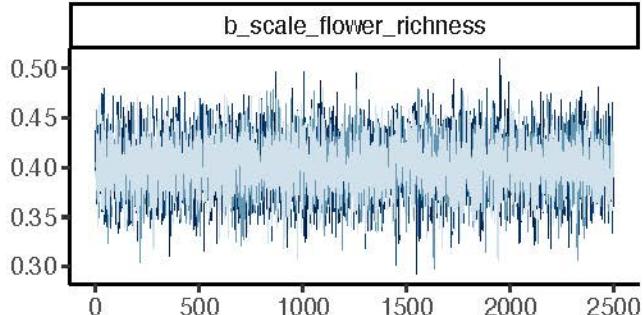
pascuorum



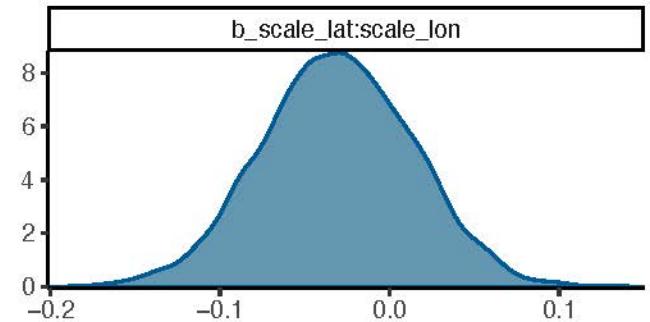
b\_scale\_flower\_richness



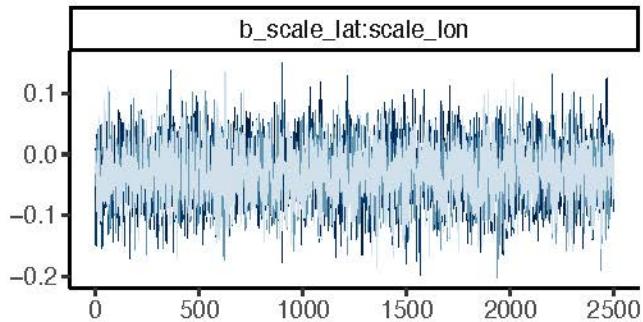
b\_scale\_flower\_richness



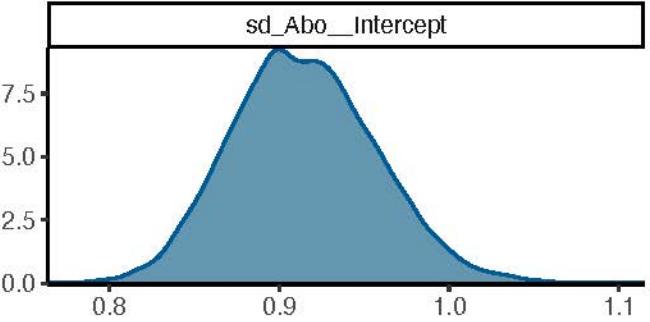
b\_scale\_lat:scale\_Ion



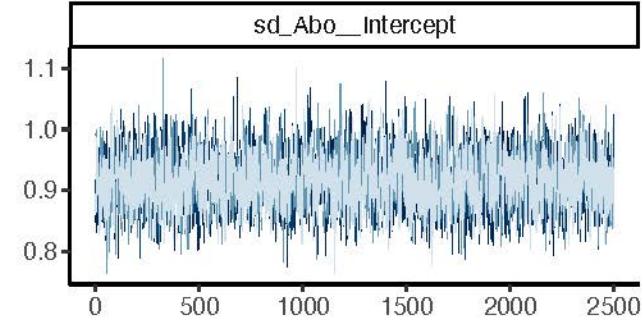
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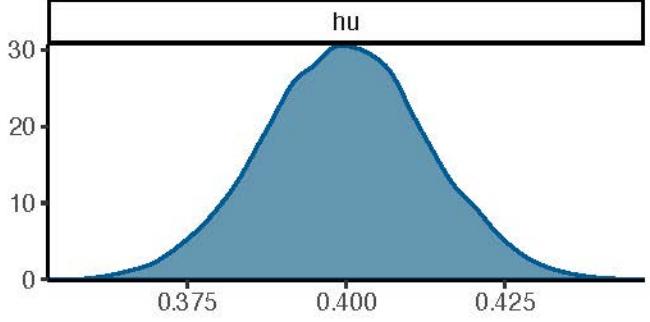
sd\_Abo\_Intercept



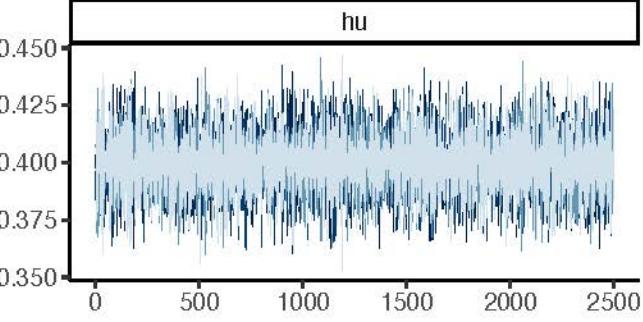
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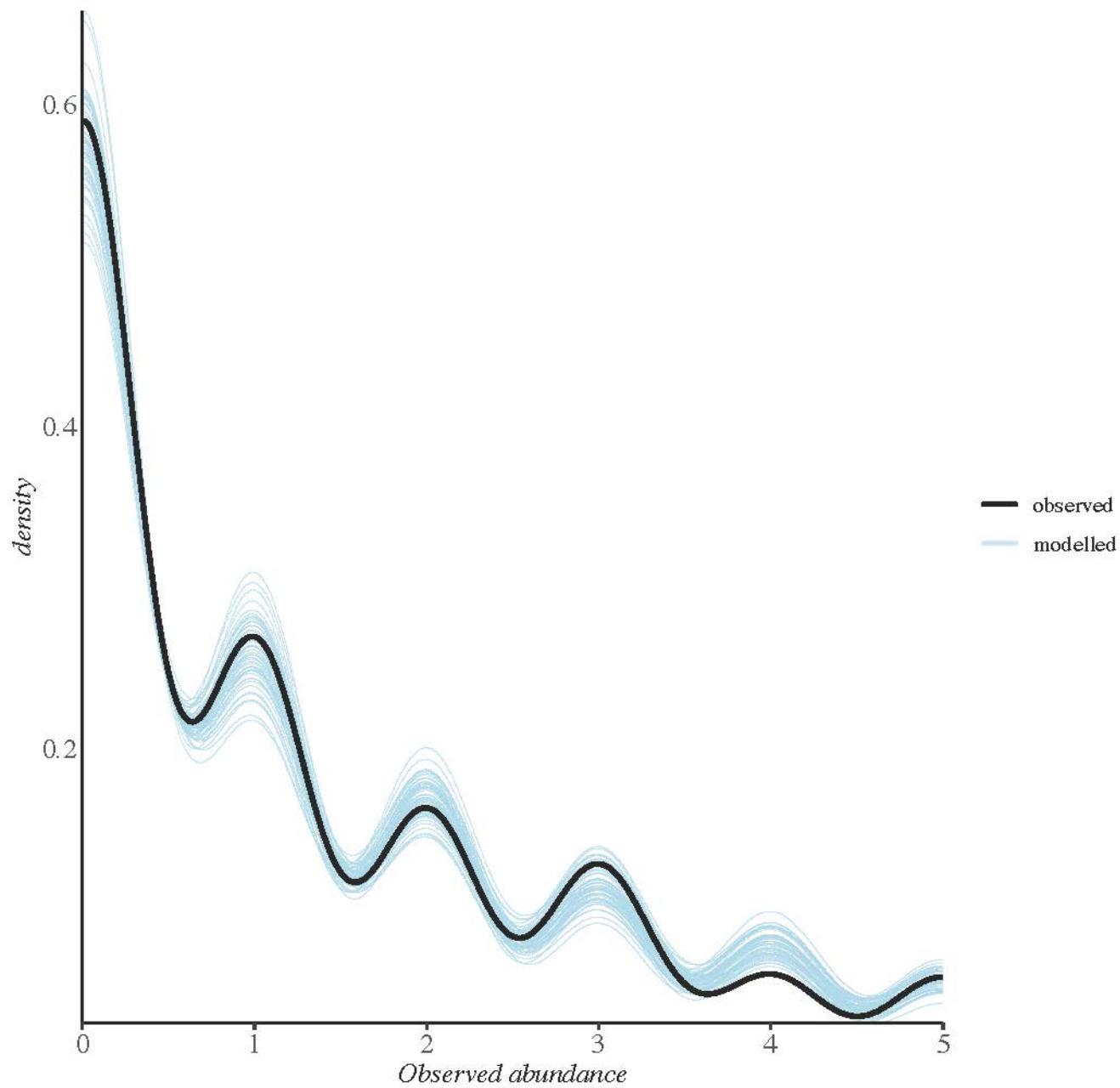
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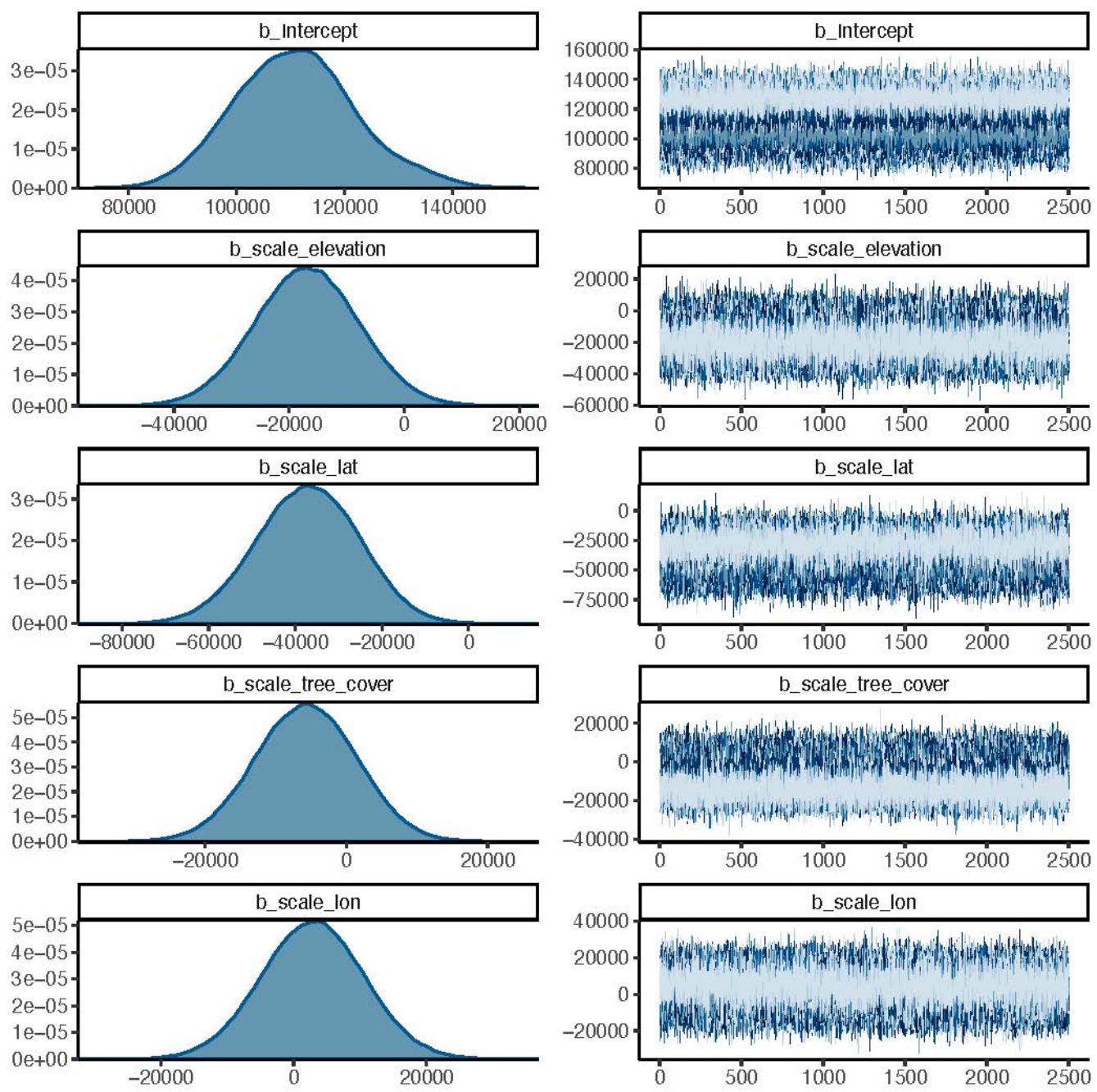


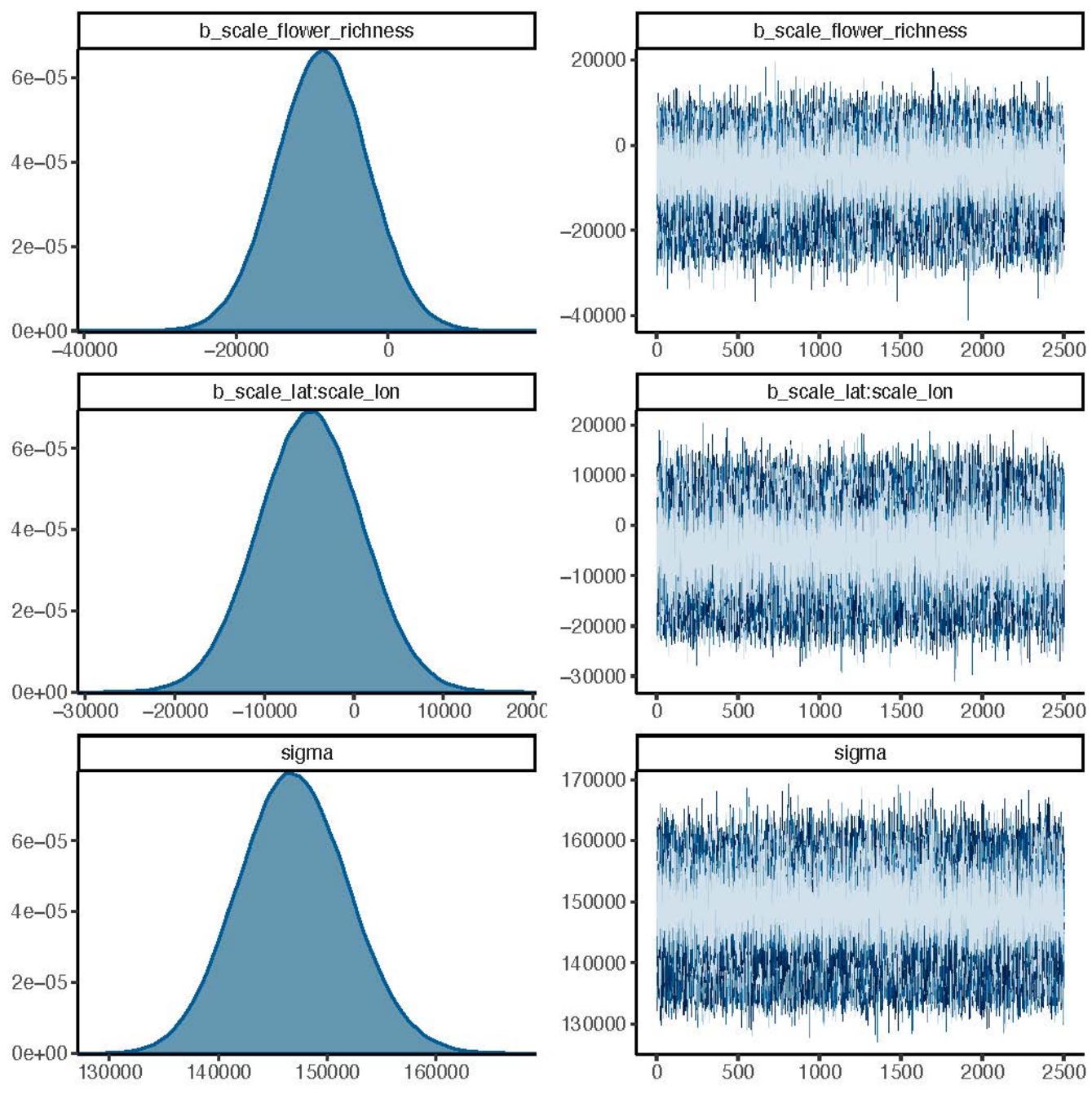
*pascuorum*

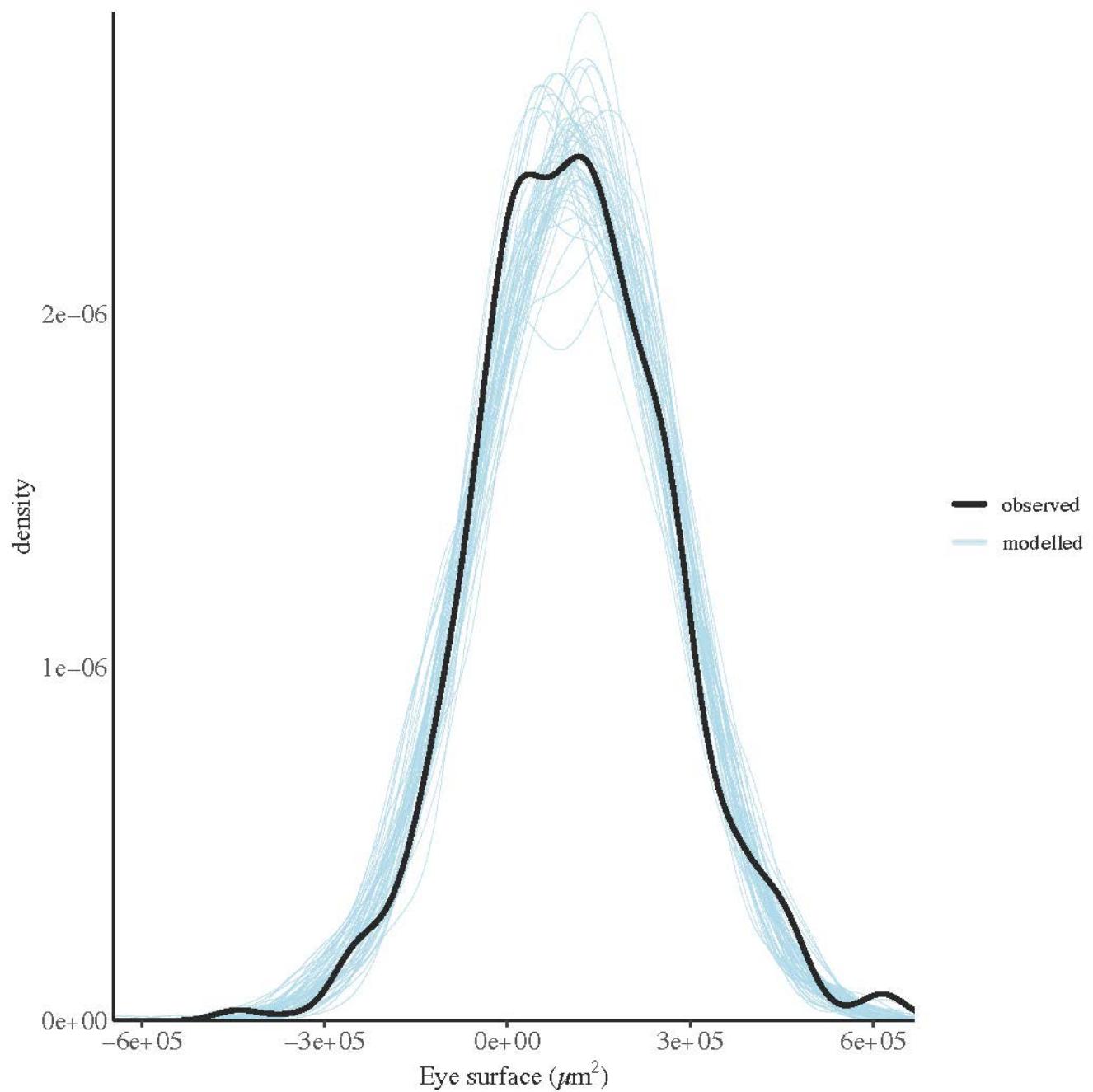


**Effects of tree cover on the community weighted means of visual traits relative to body size in bumblebee communities within grasslands across Sweden.** Model traces and posterior predictive check for each visual trait modelled with Bayesian inference.

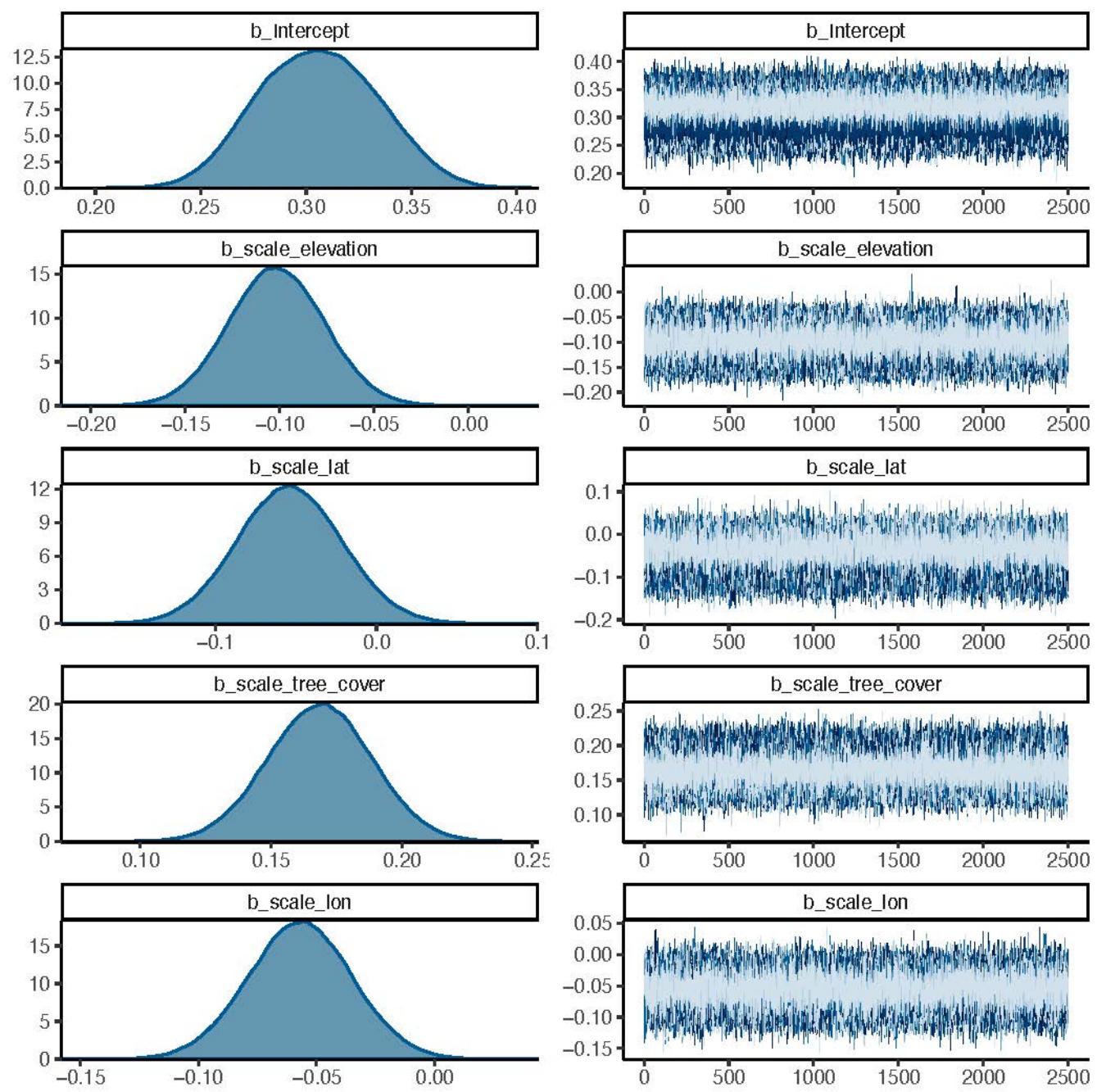
Eye surface ( $\mu\text{m}^2$ )



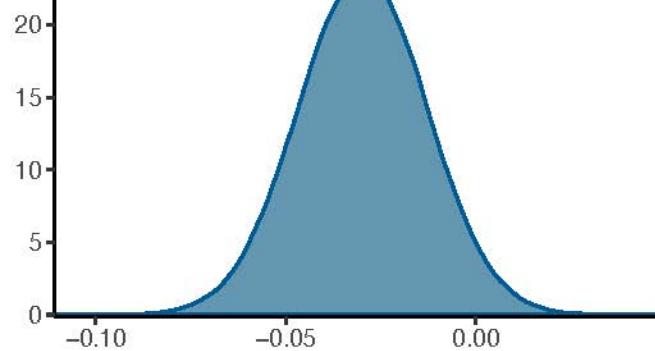




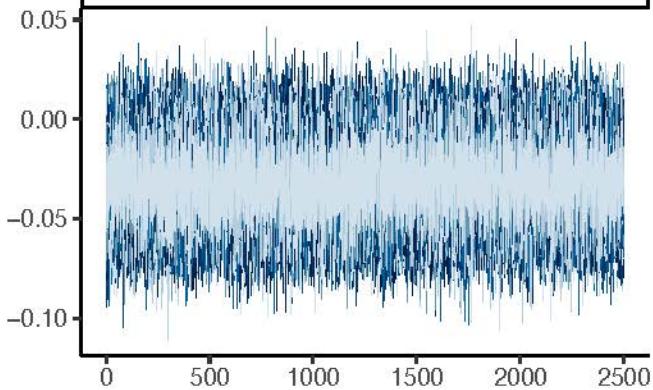
Facet diameter ( $\mu\text{m}$ )



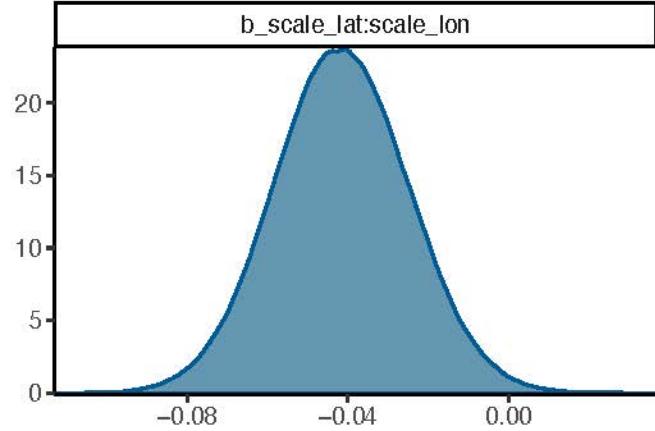
b\_scale\_flower\_richness



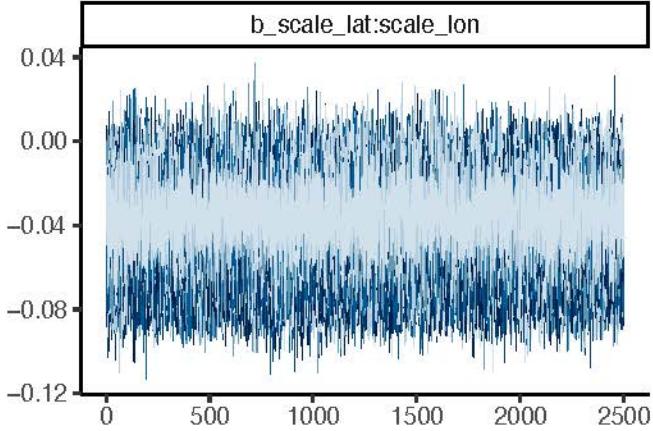
b\_scale\_flower\_richness



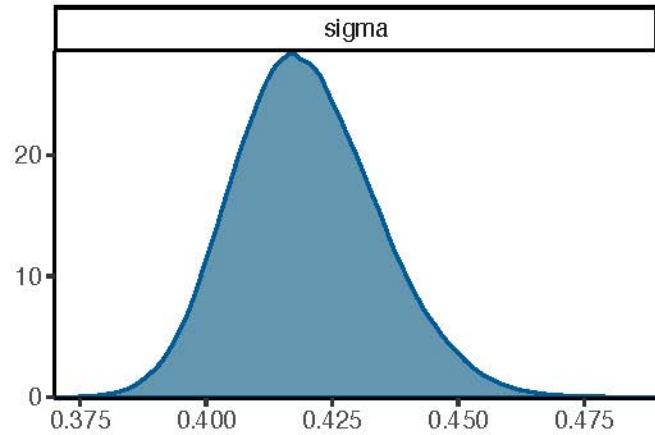
b\_scale\_lat:scale\_lon



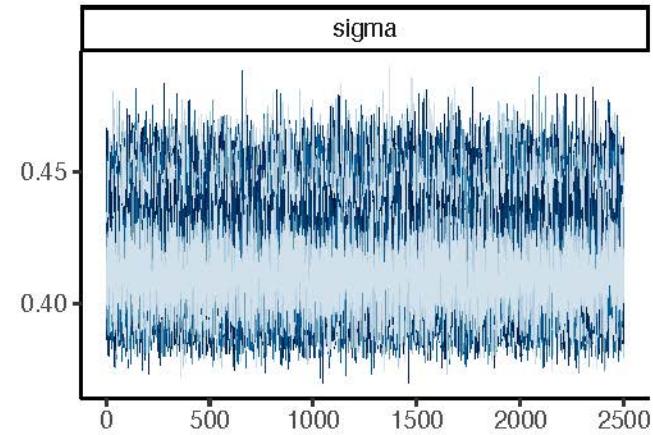
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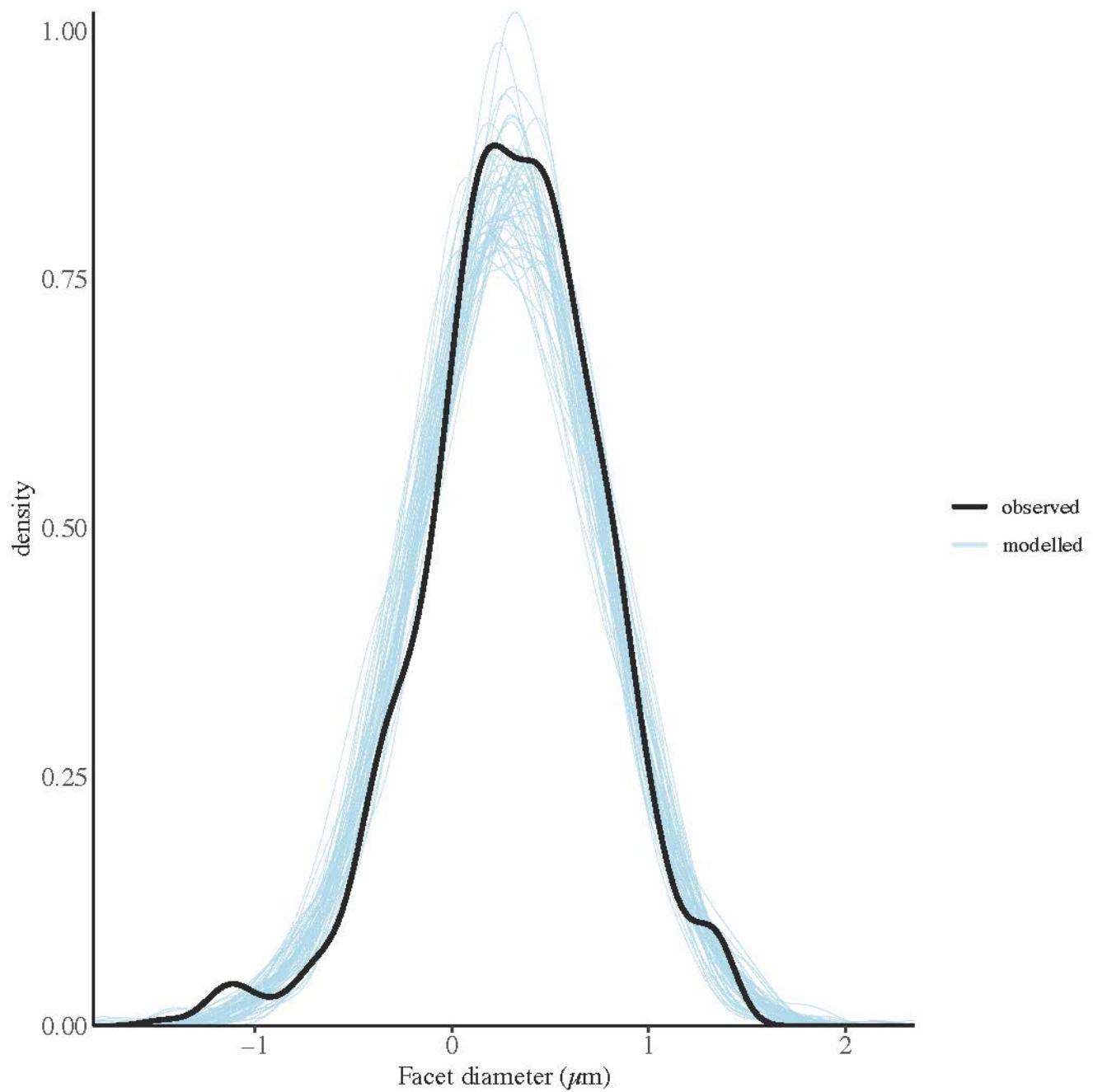


sigma

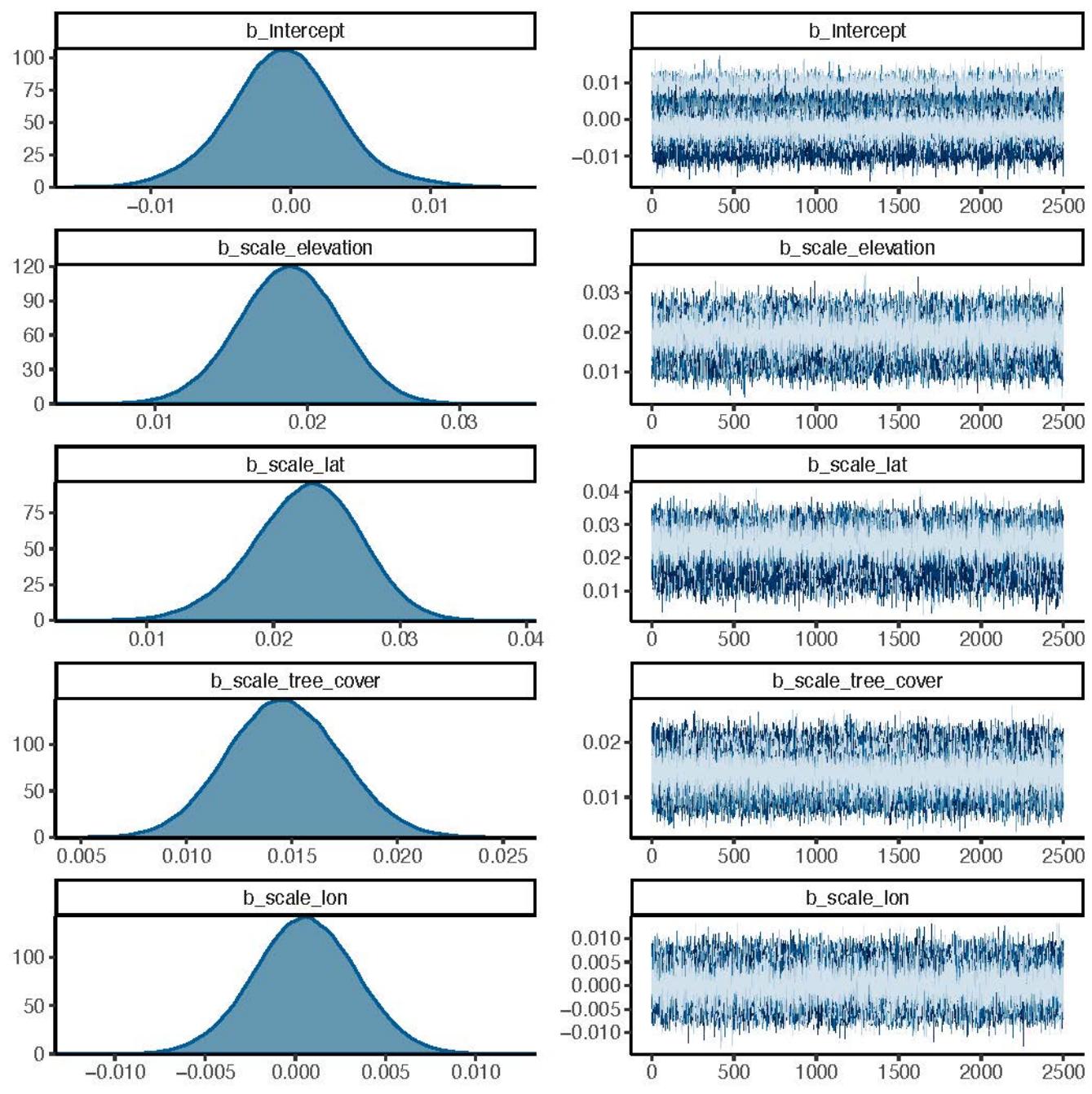


sigma

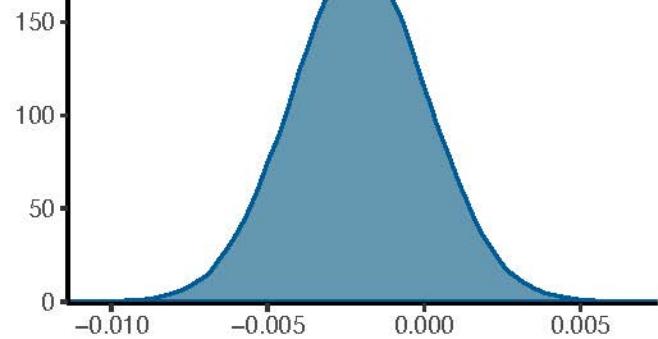




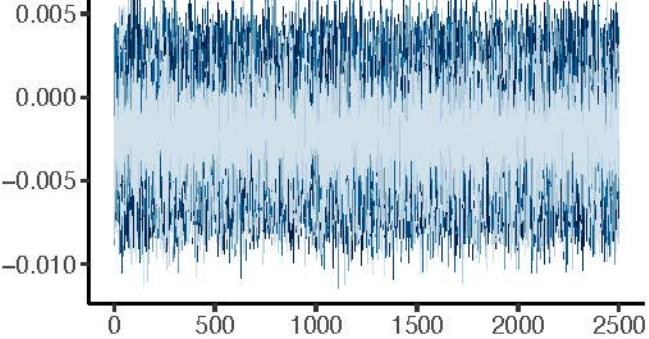
Inter-ommatidial angle ( $^{\circ}$ )



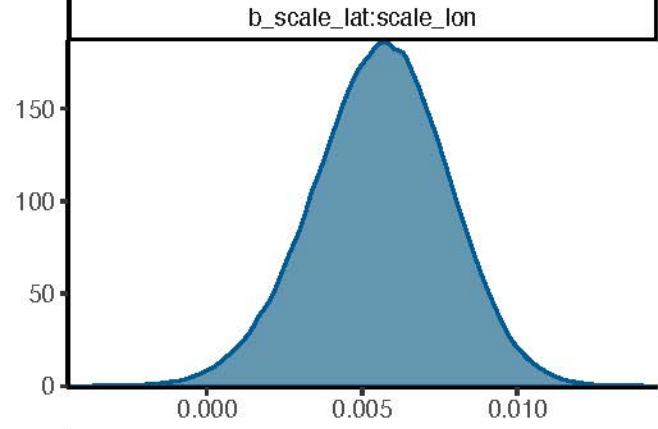
b\_scale\_flower\_richness



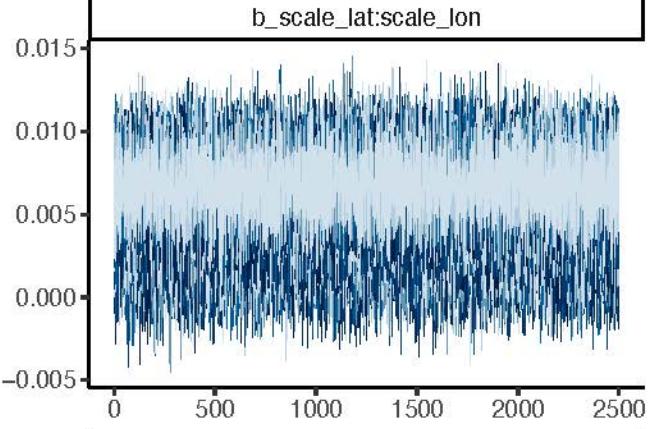
b\_scale\_flower\_richness



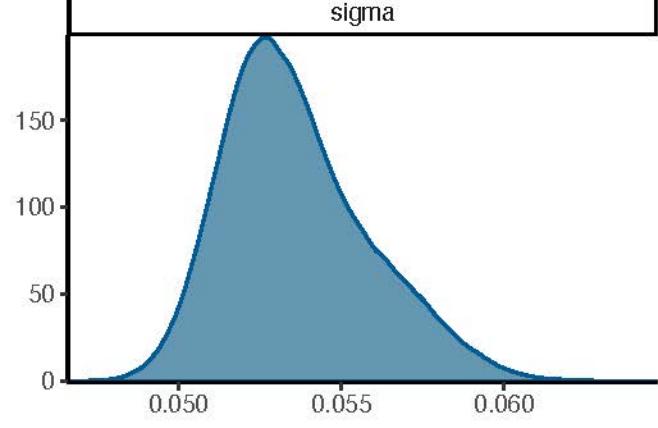
b\_scale\_lat:scale\_Ion



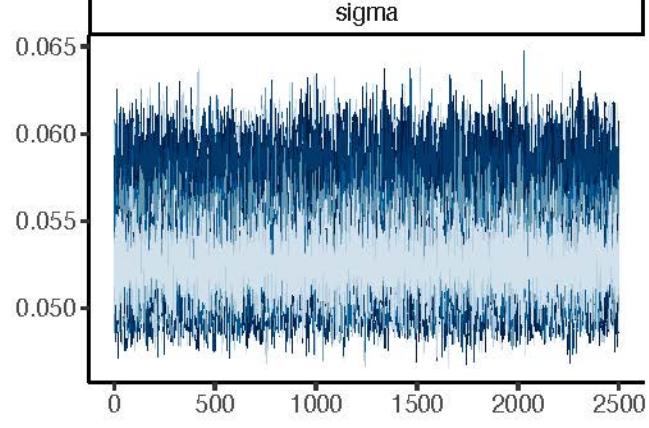
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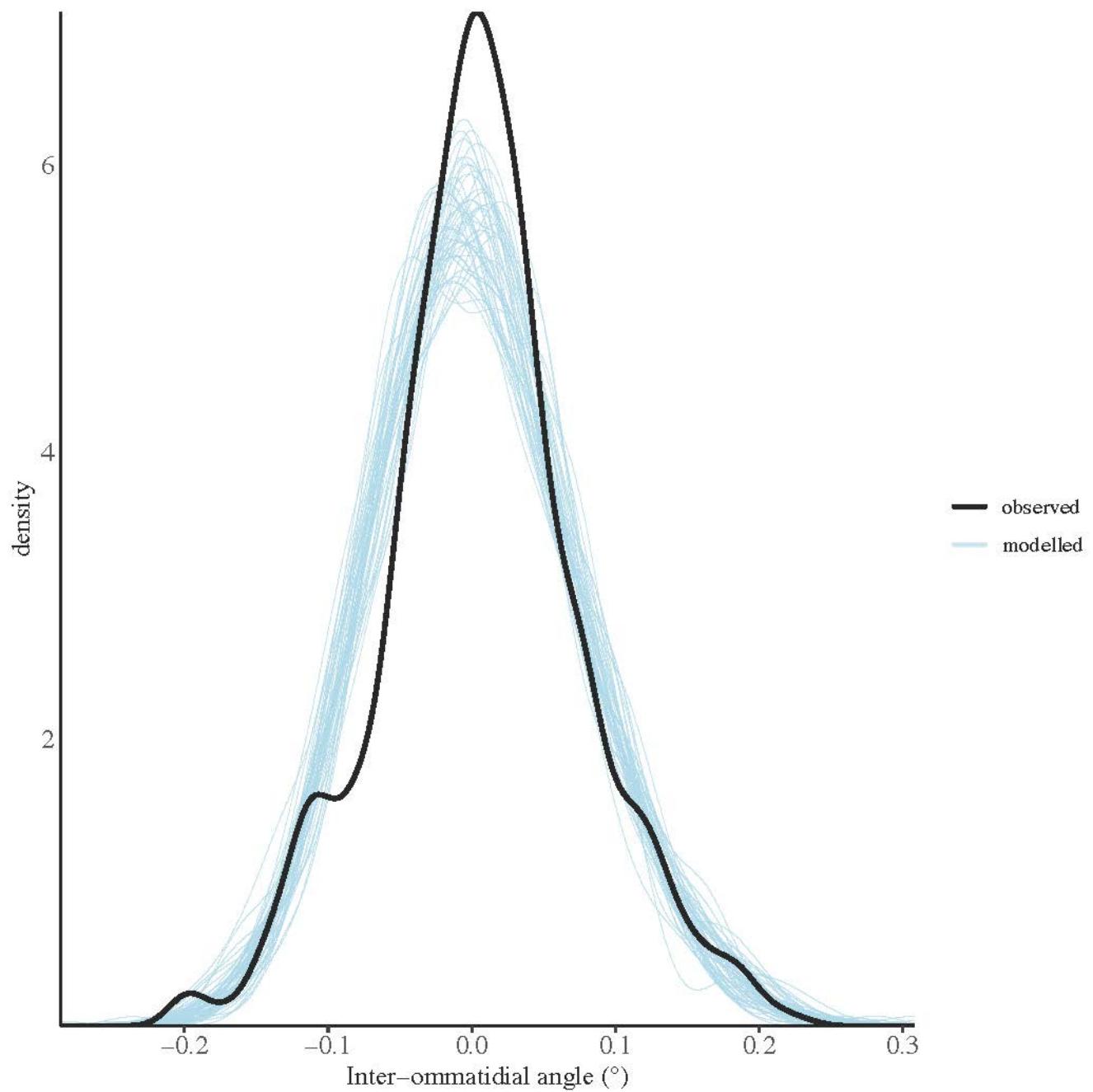


sigma

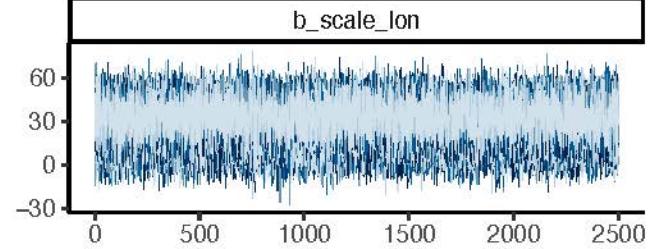
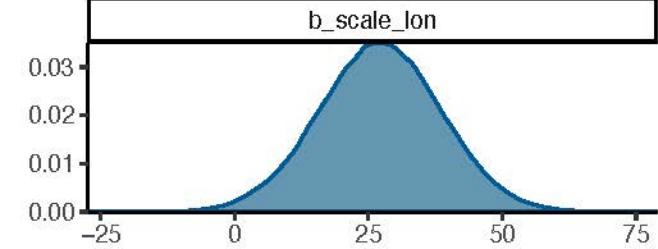
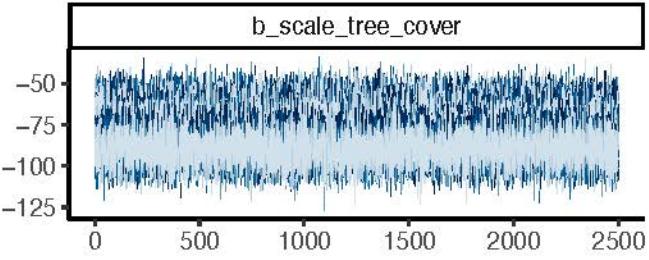
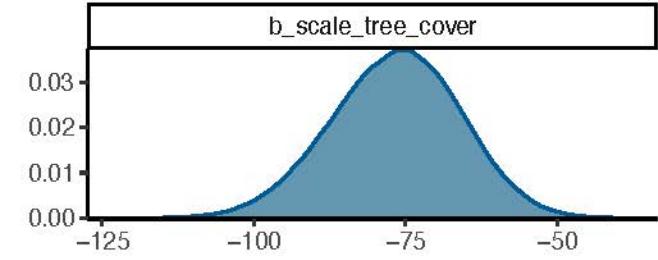
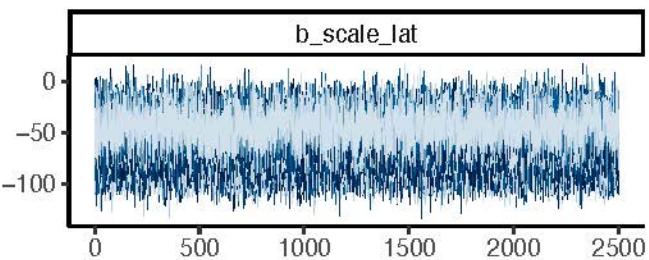
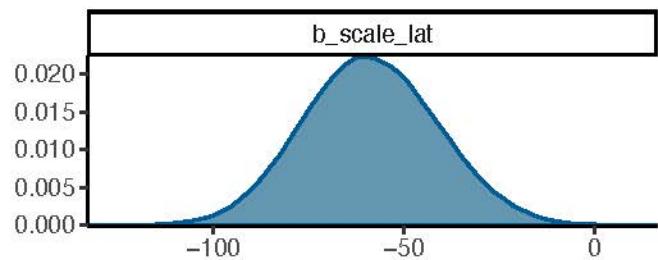
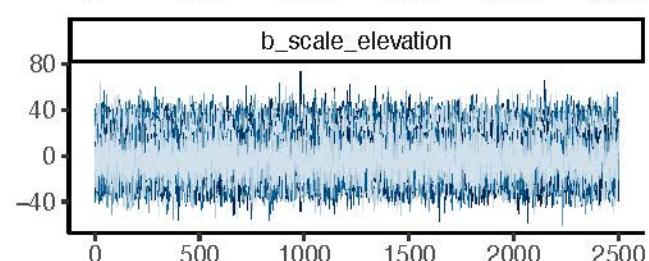
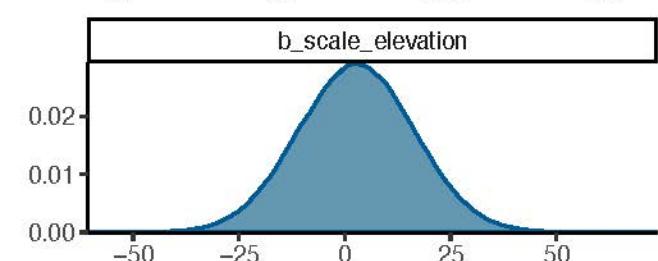
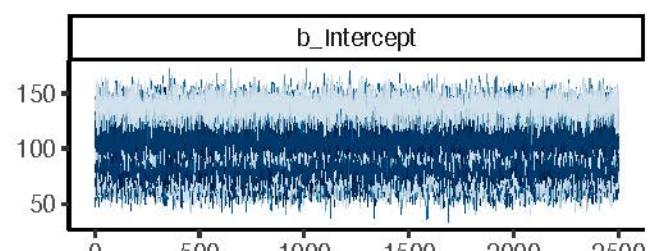
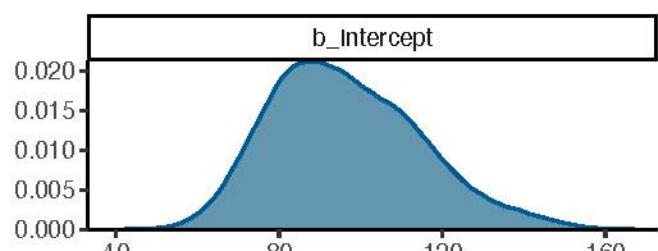


sigma

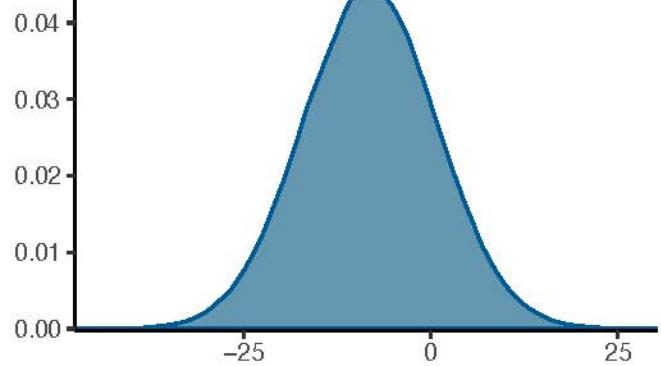




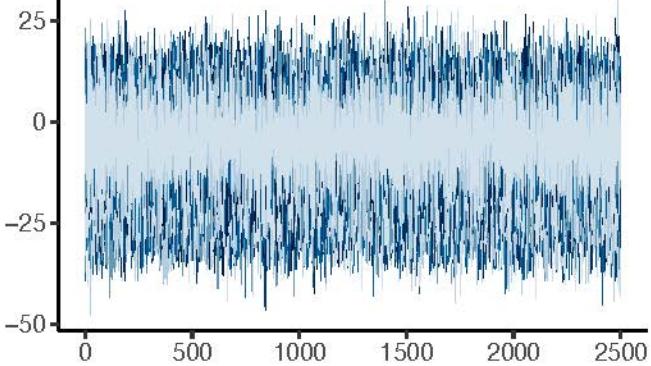
Facet number



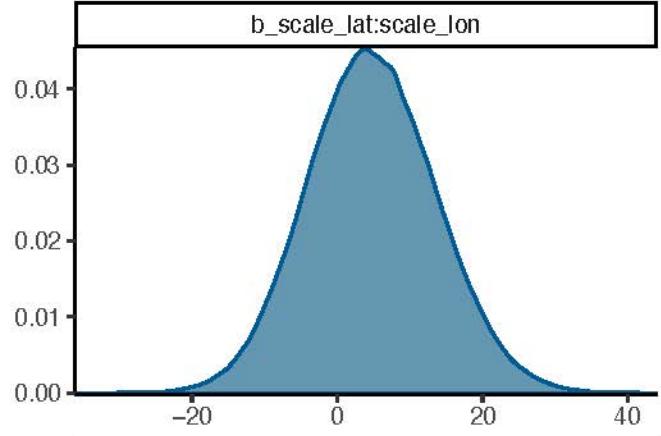
b\_scale\_flower\_richness



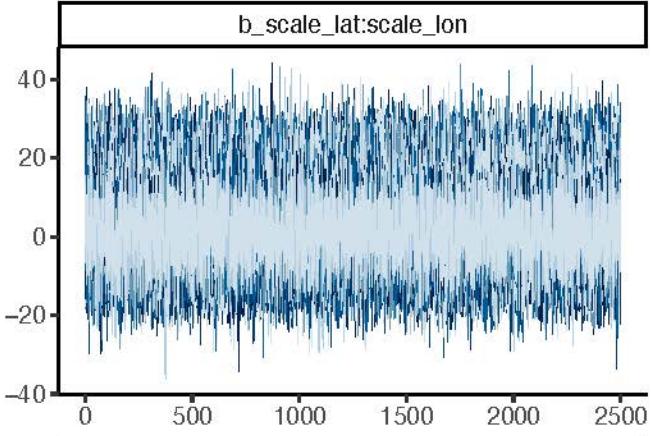
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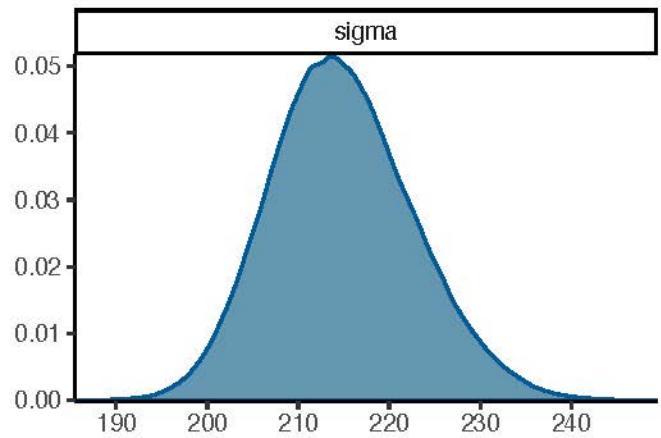
b\_scale\_lat:scale\_Ion



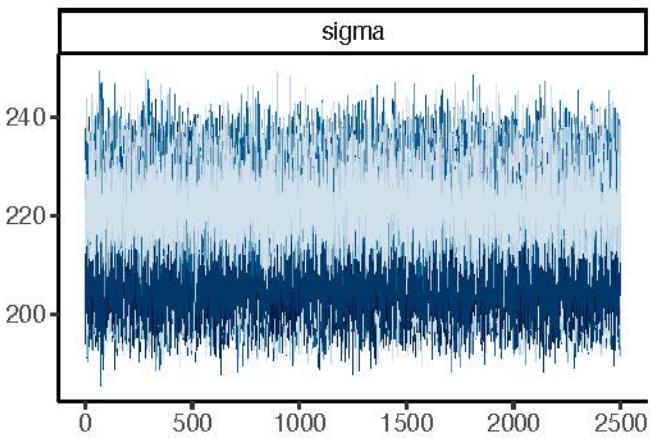
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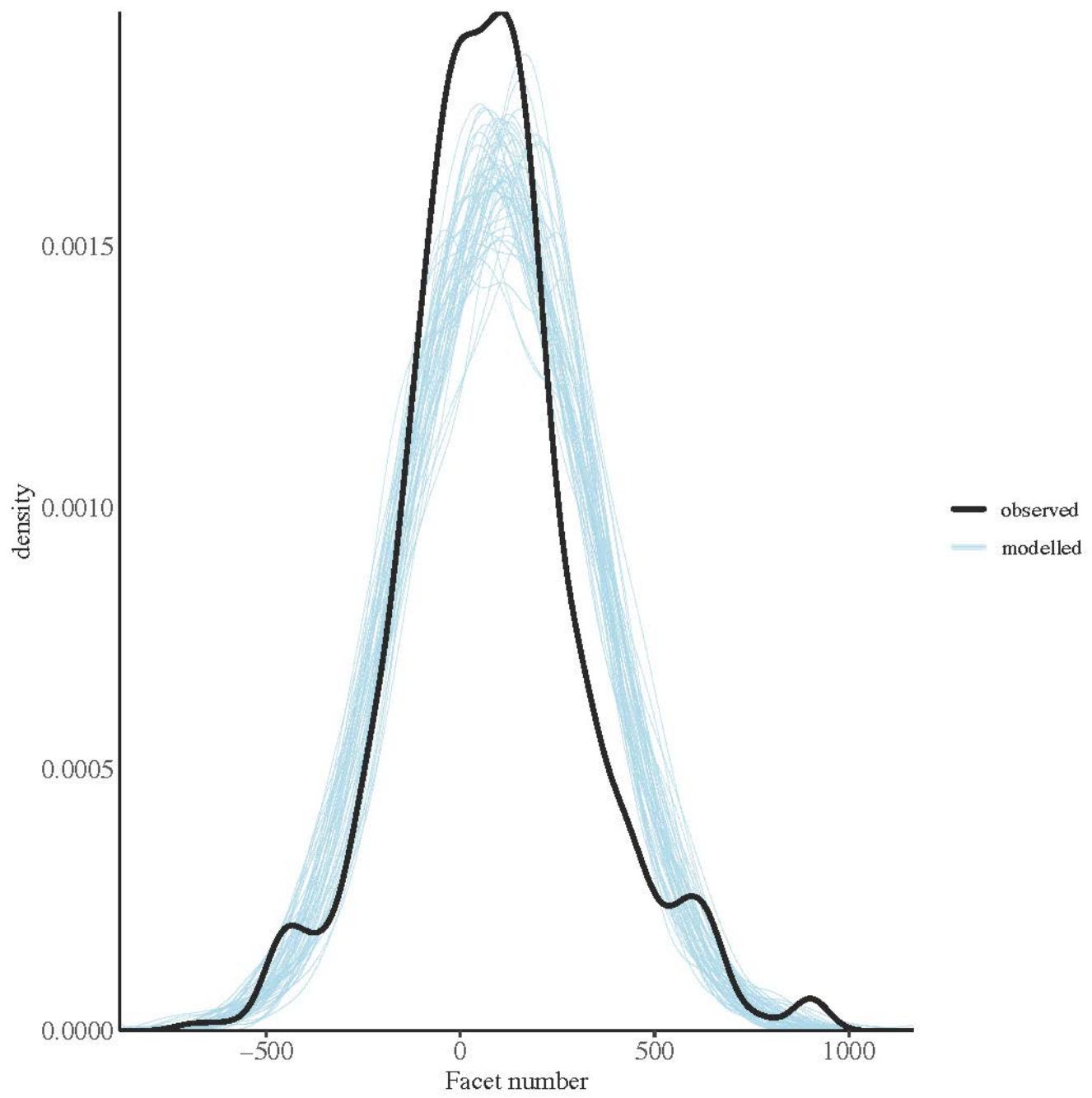


sigma

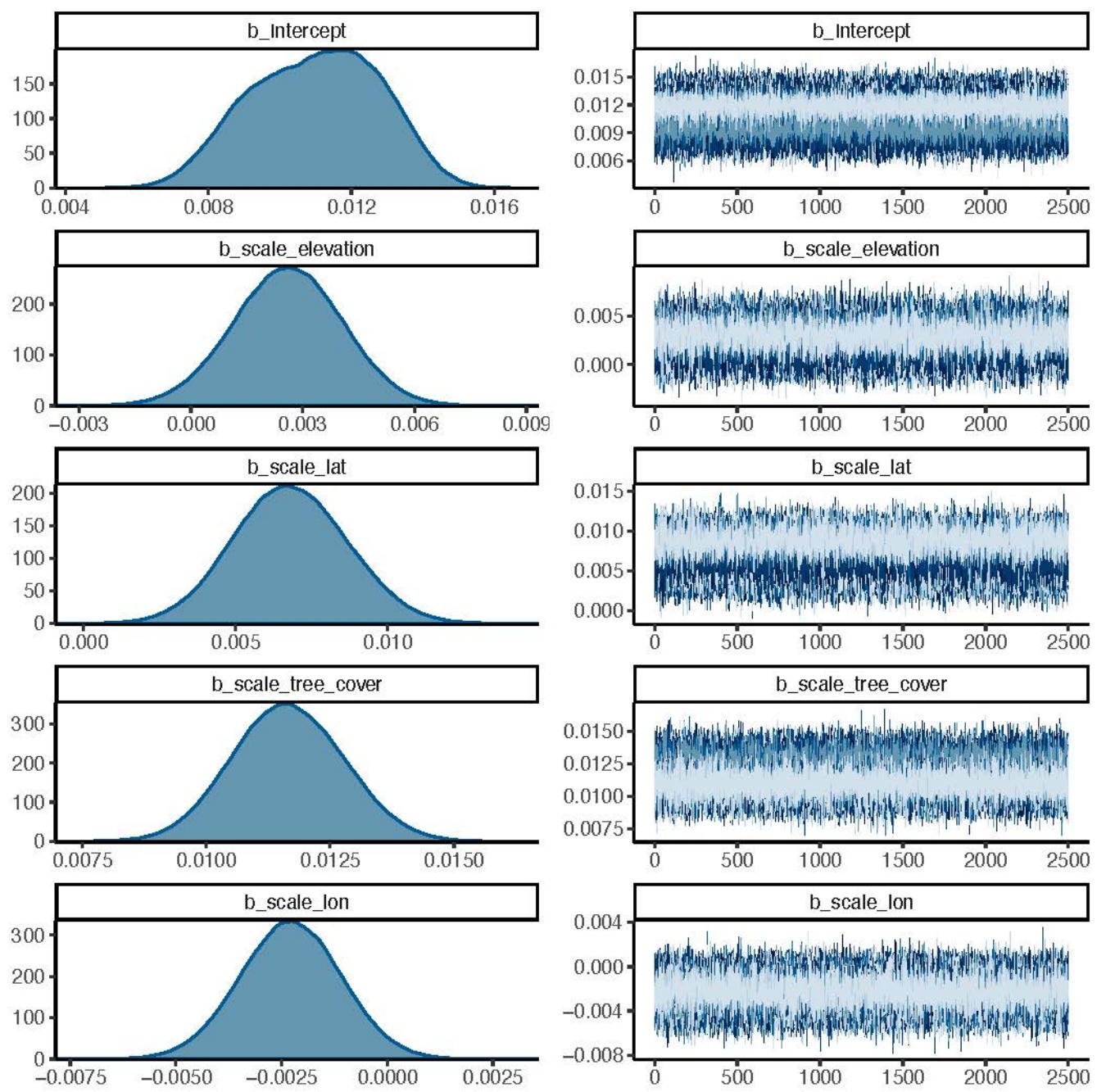


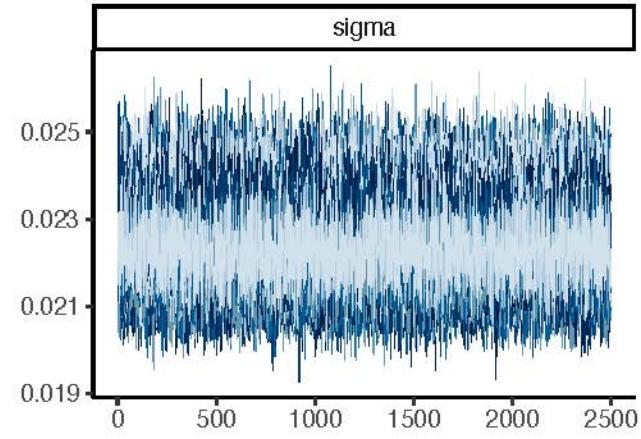
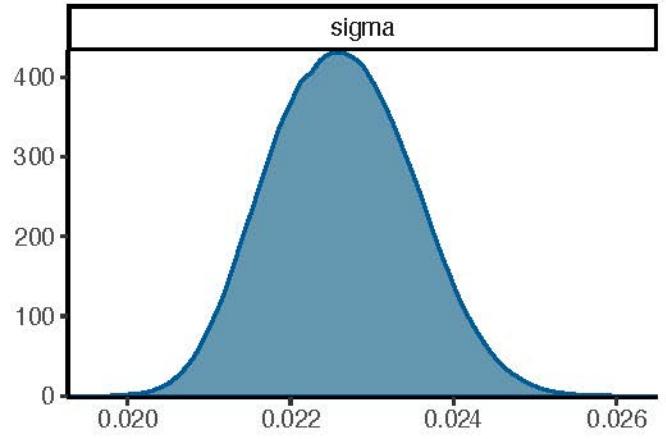
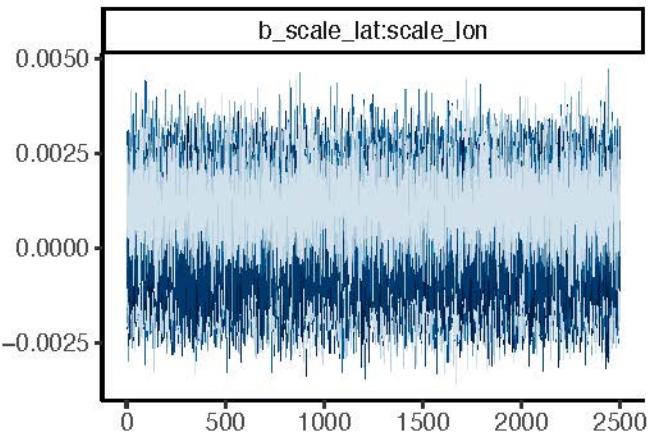
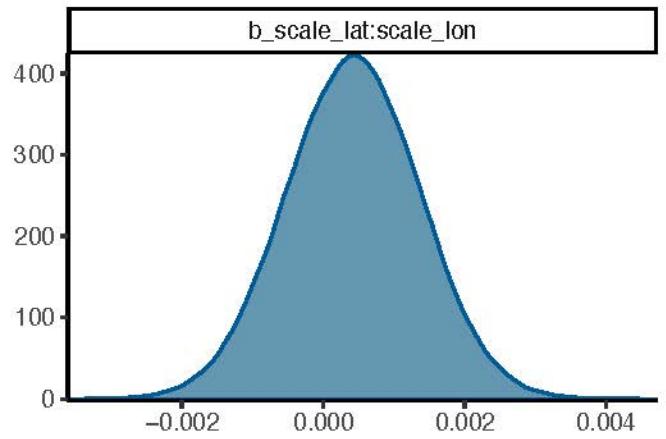
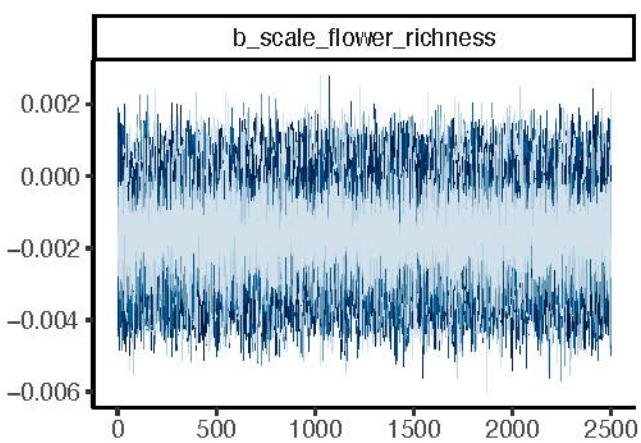
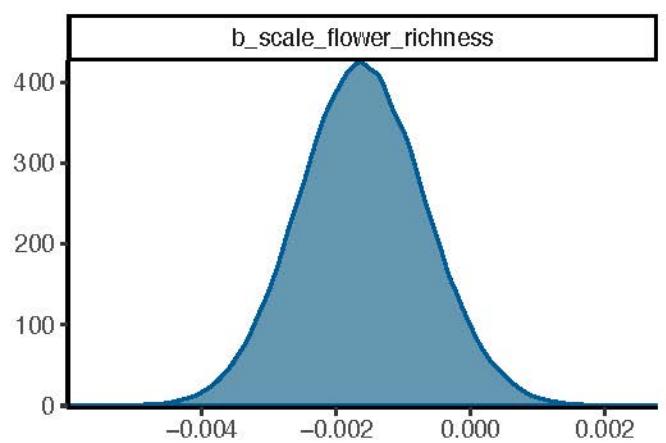
sigma

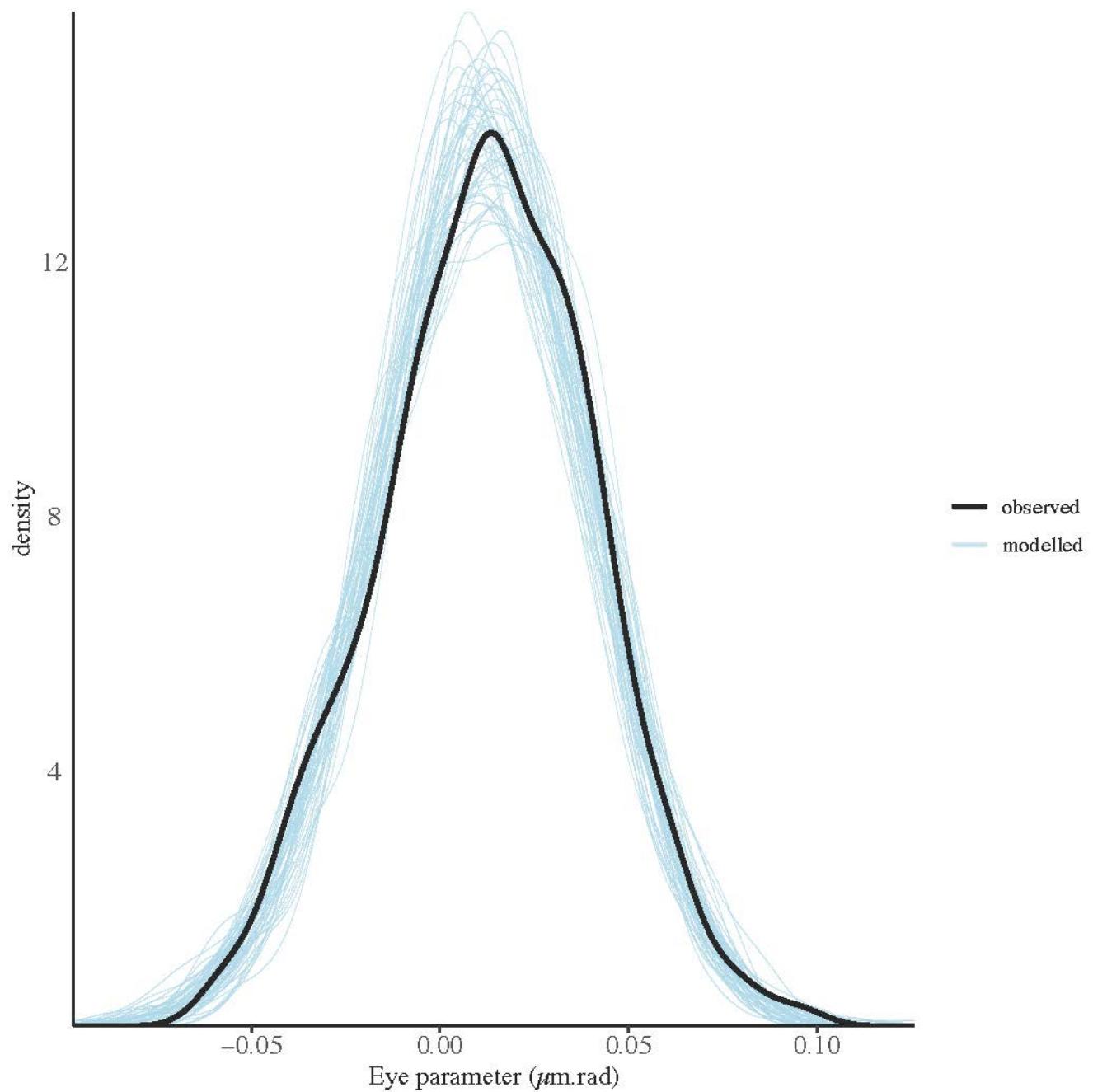




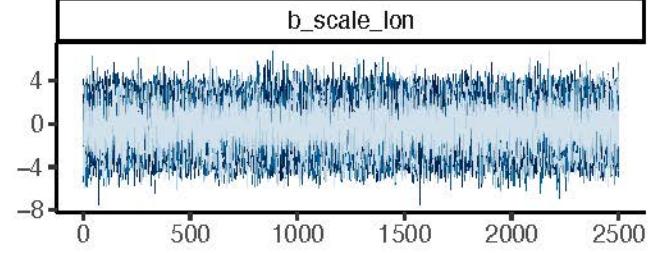
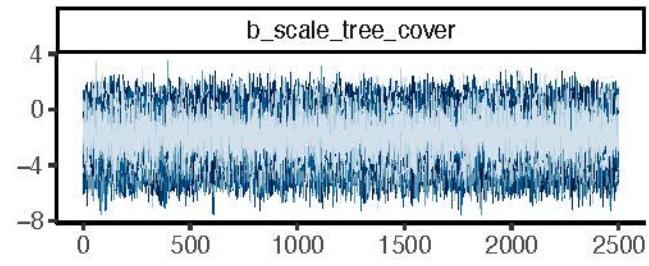
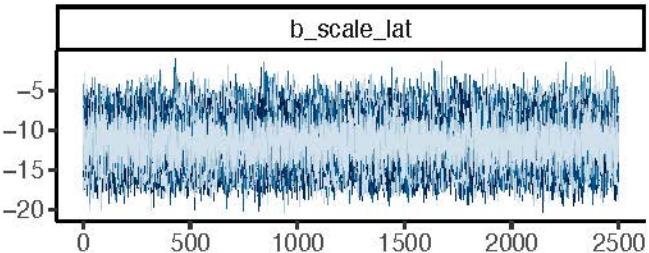
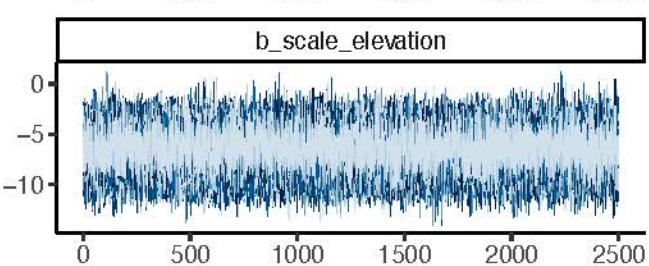
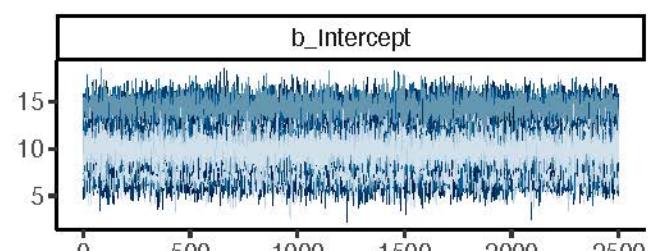
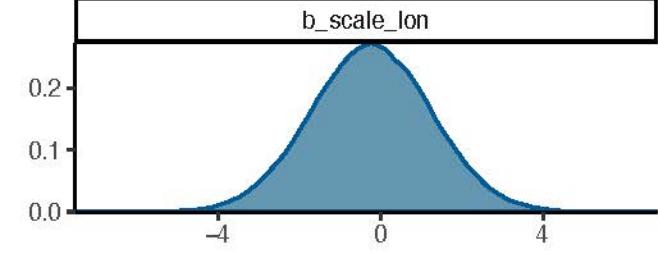
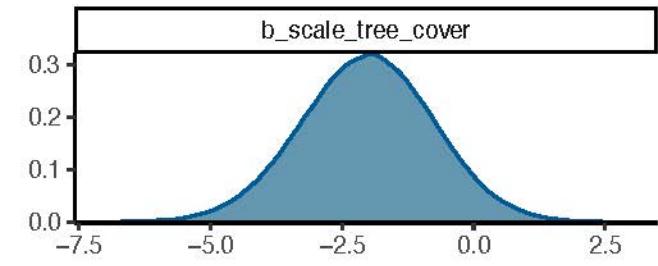
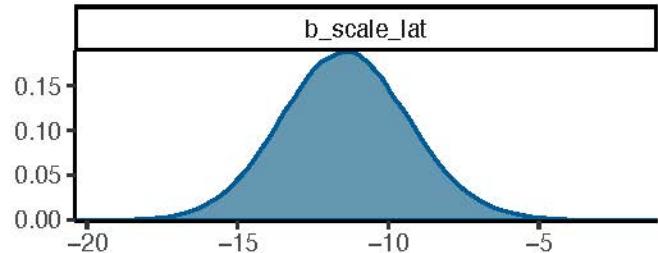
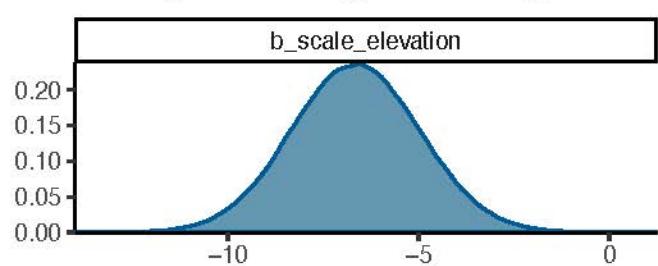
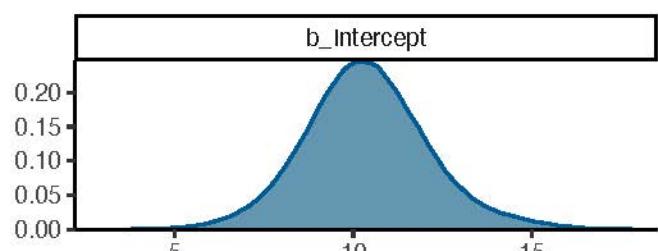
Eye parameter ( $\mu\text{m}.\text{rad}$ )

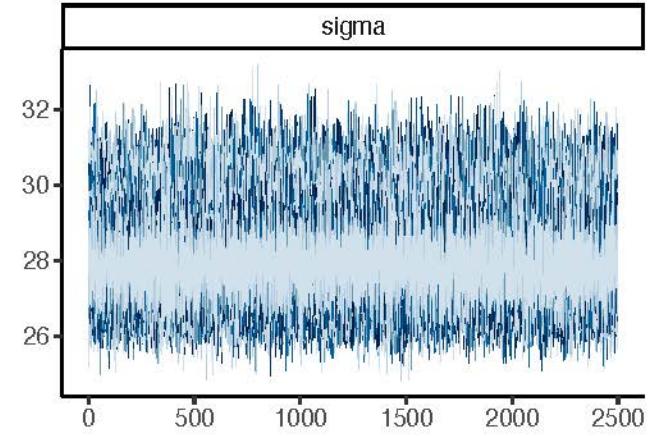
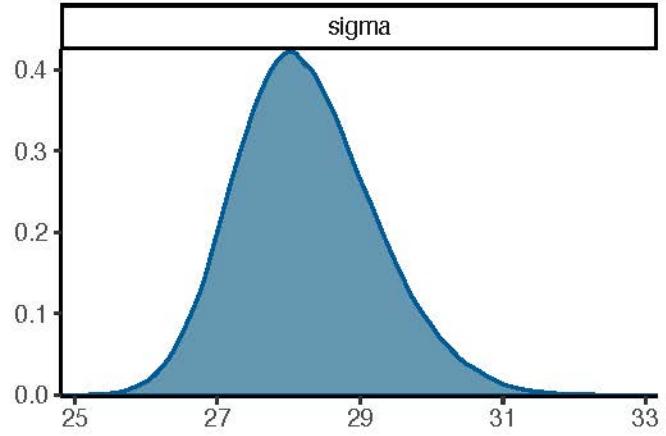
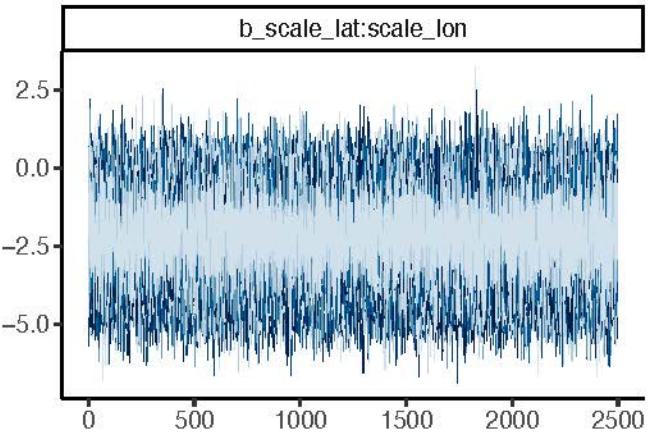
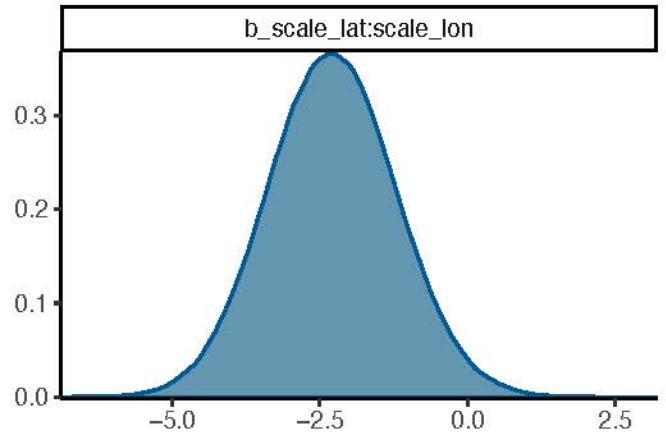
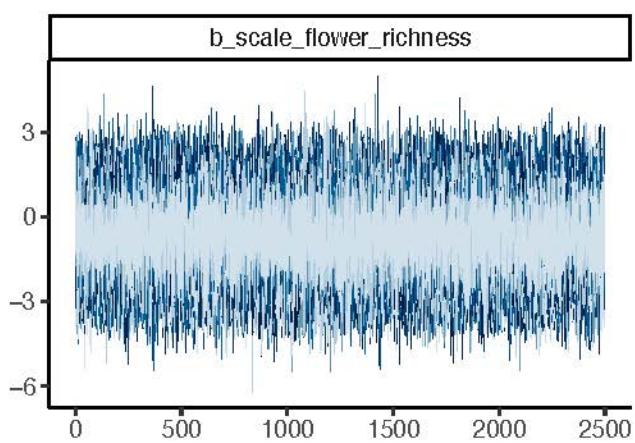
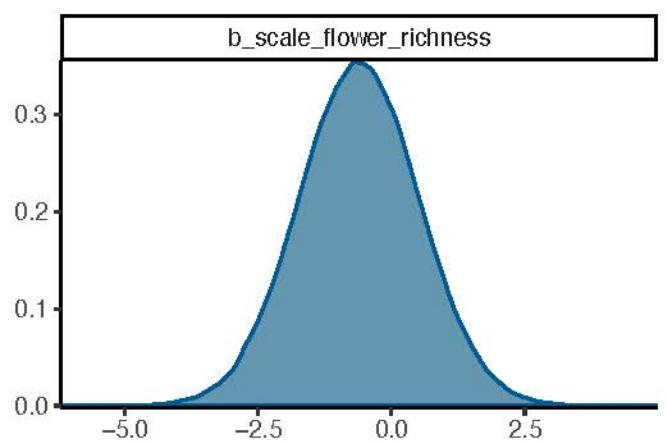


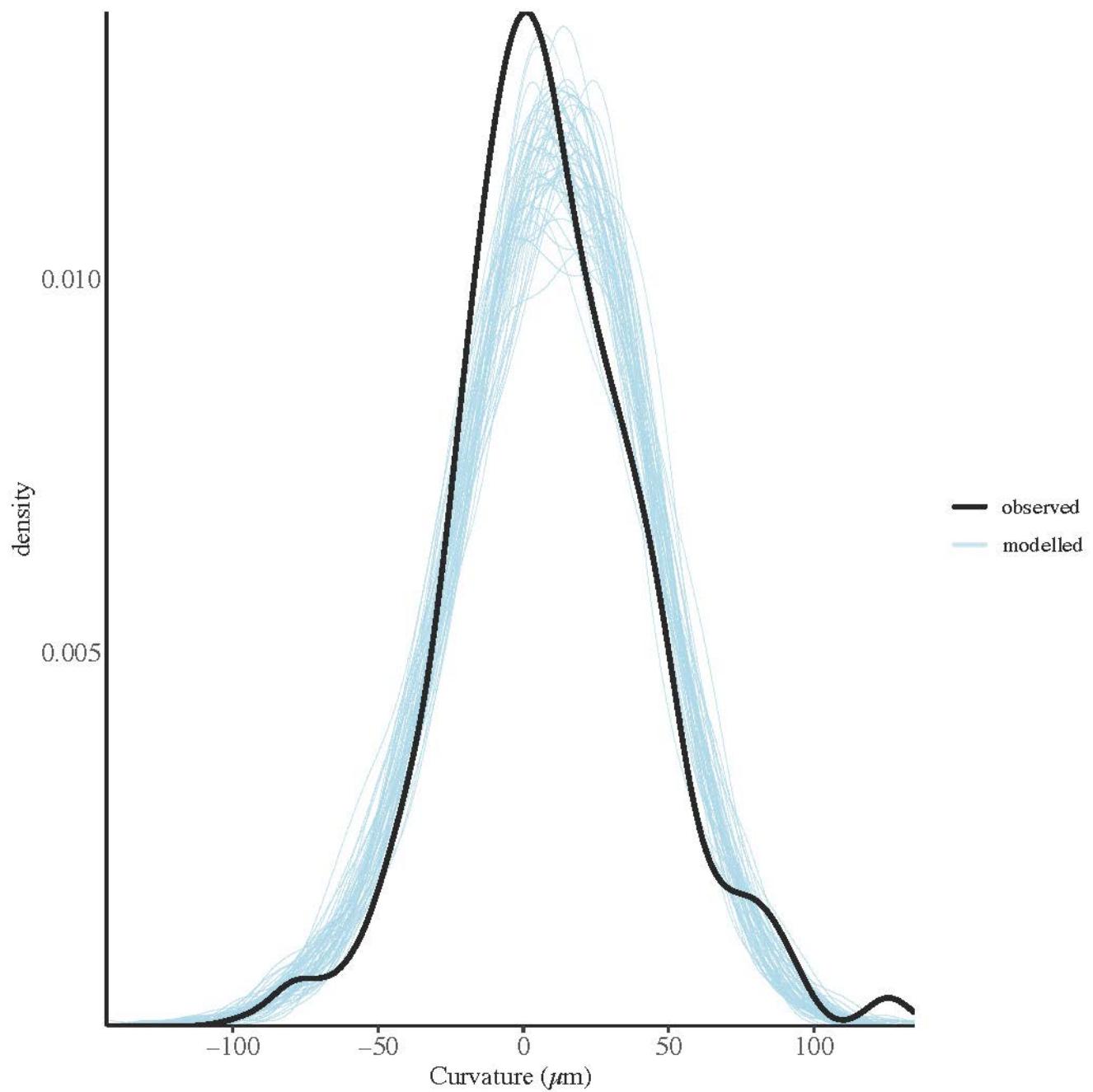




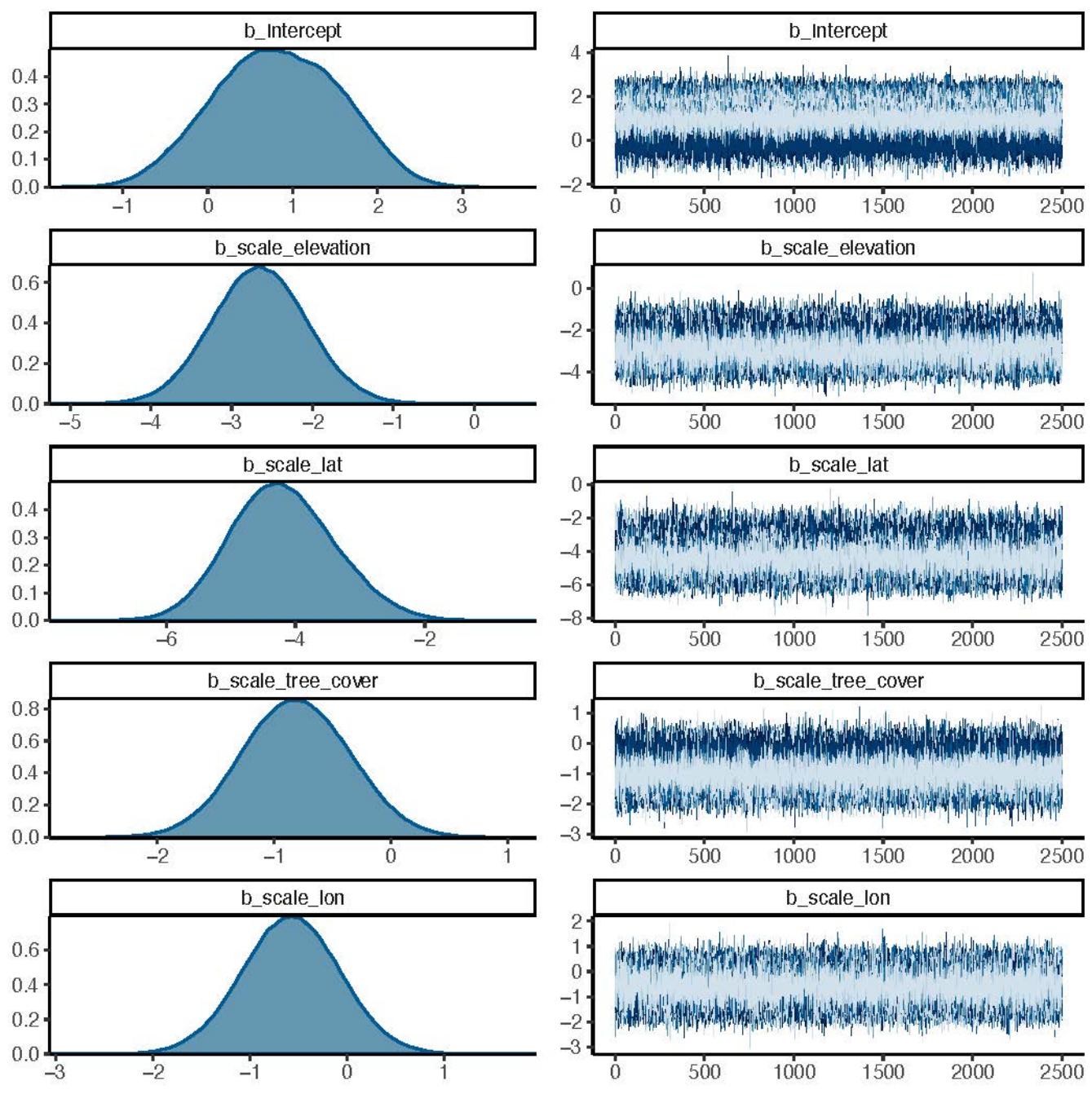
Curvature ( $\mu\text{m}$ )

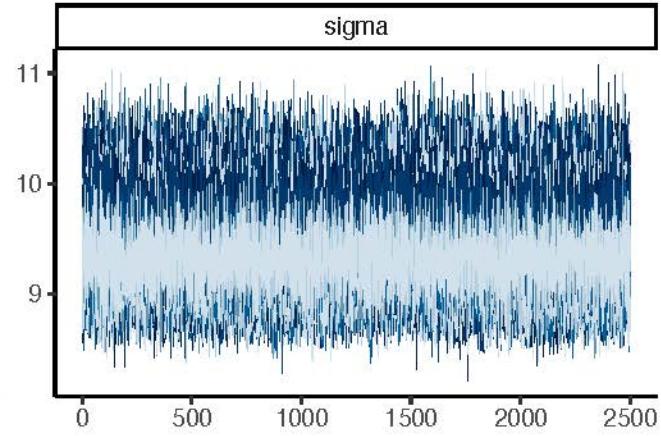
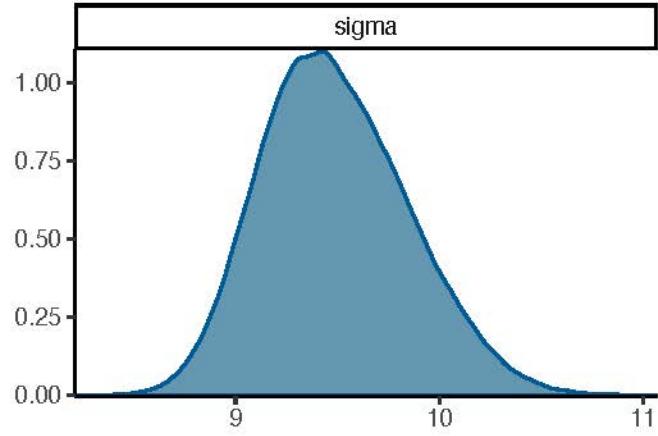
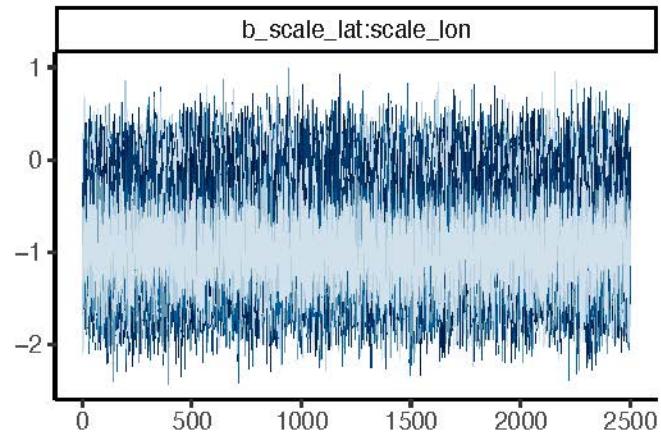
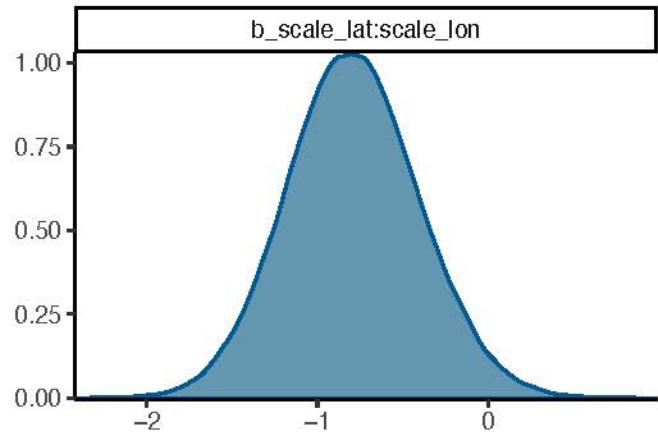
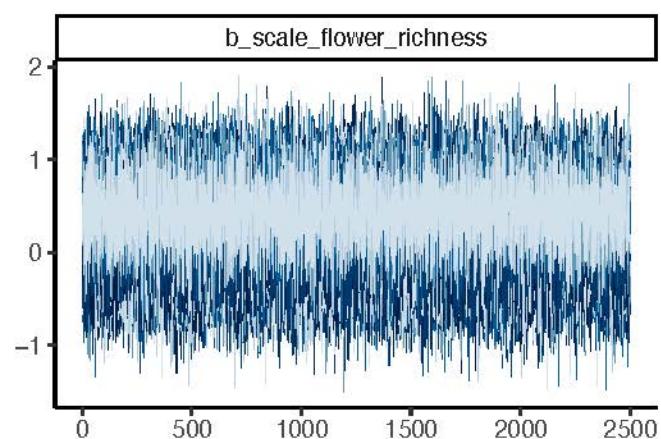
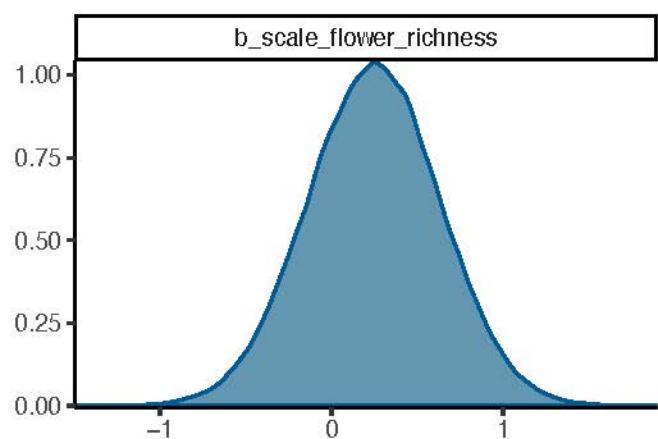


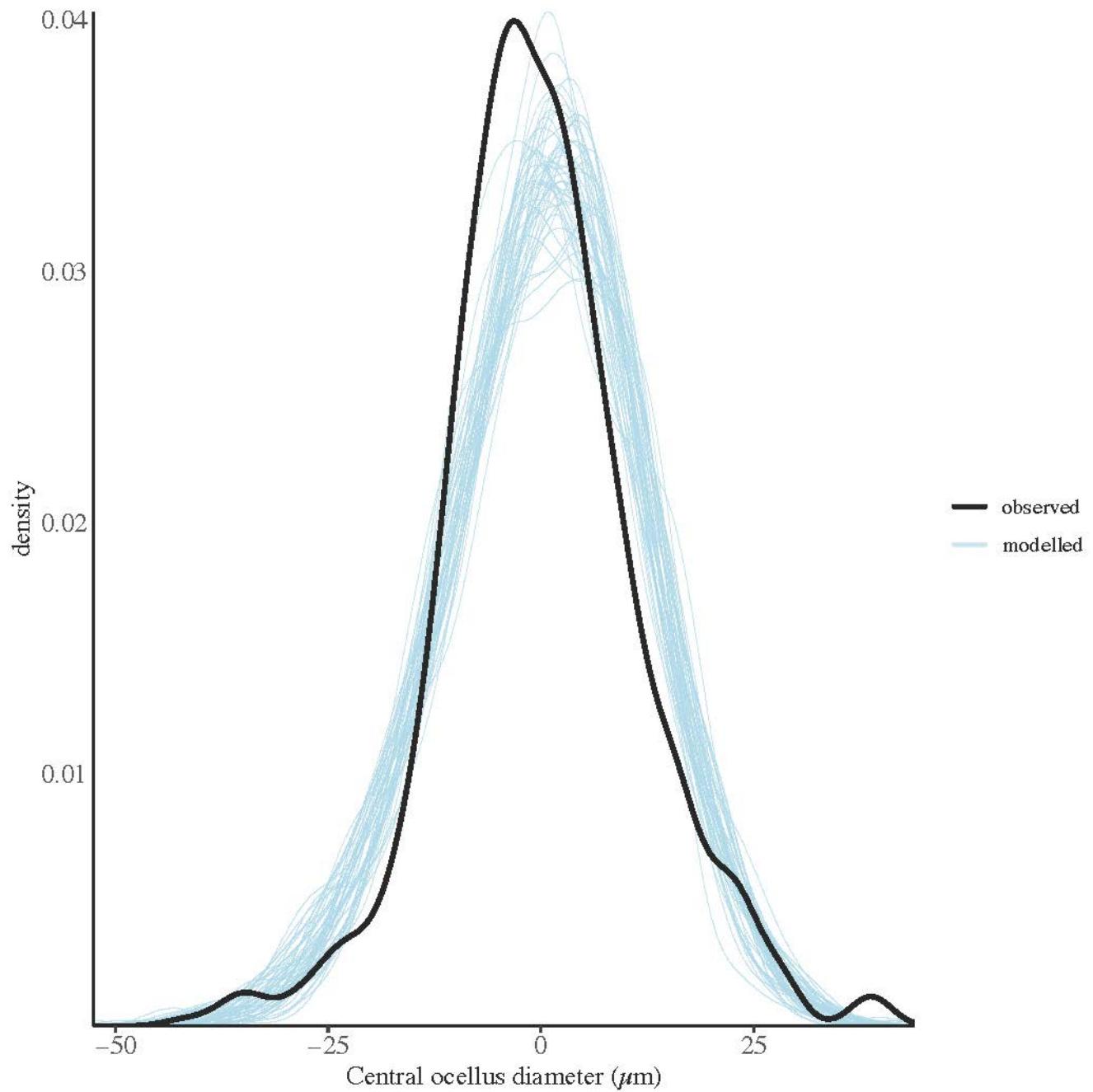




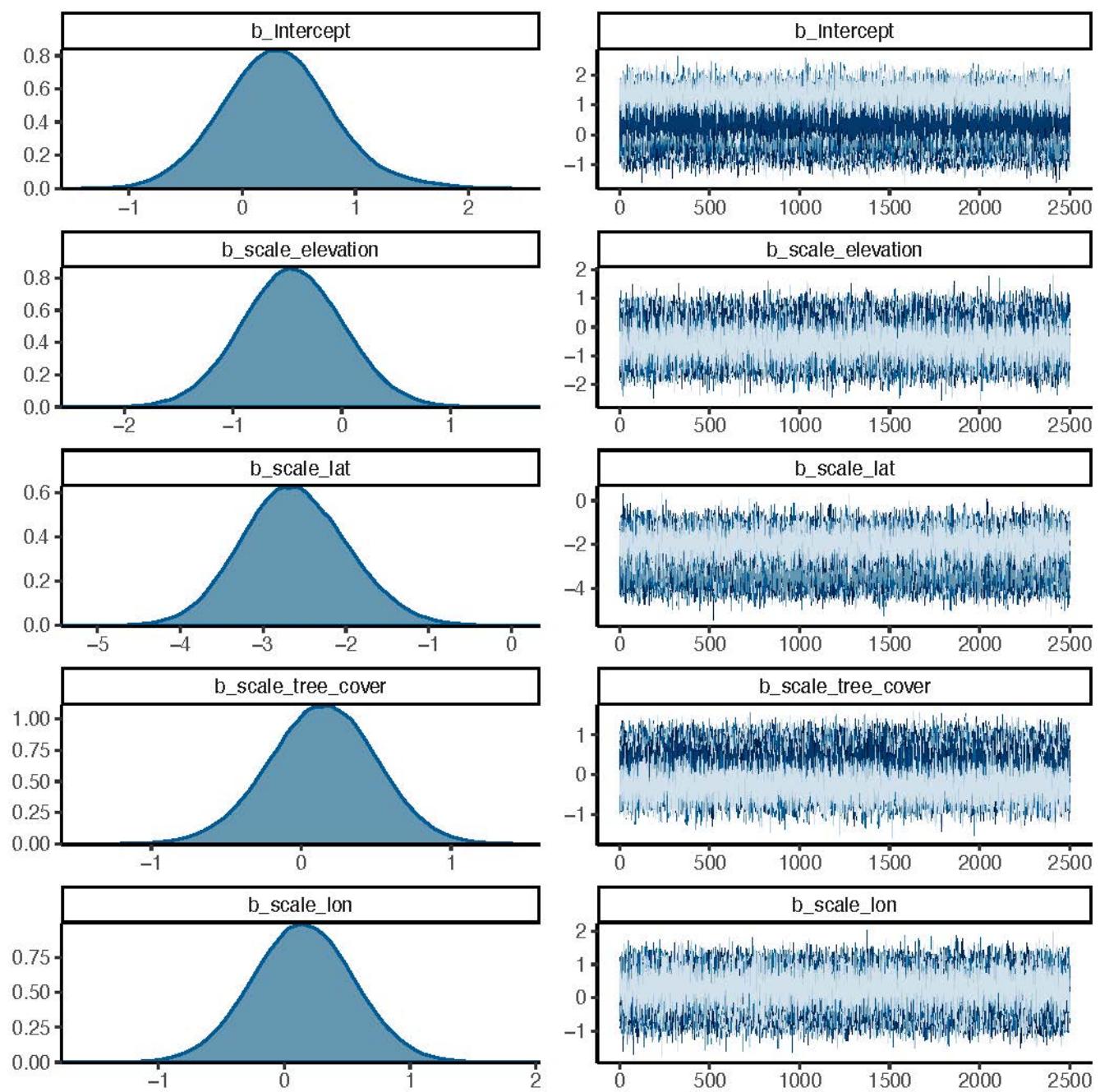
Central ocellus diameter ( $\mu\text{m}$ )

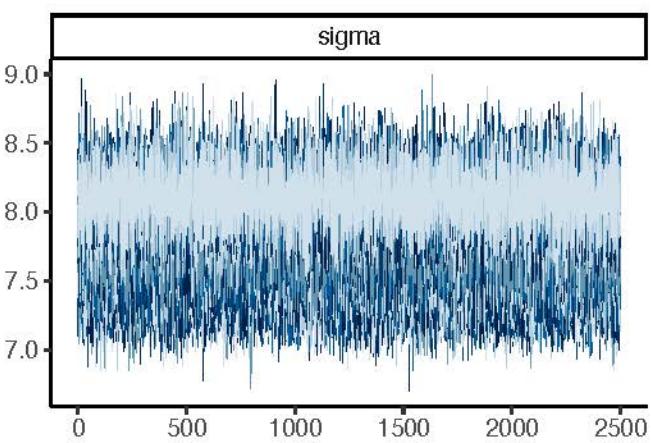
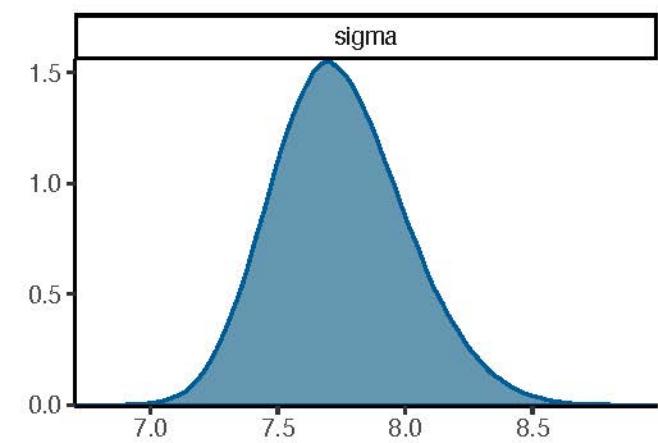
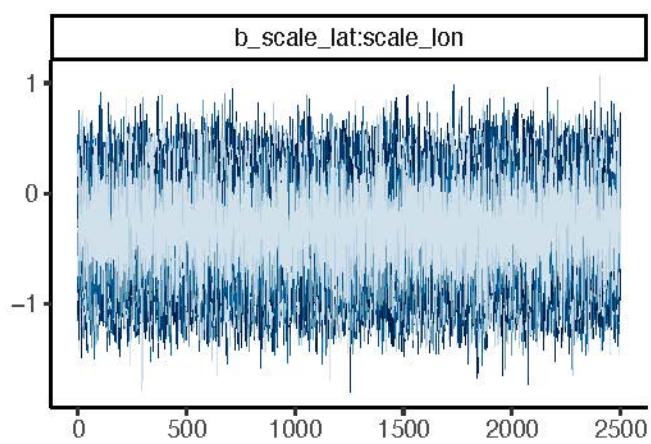
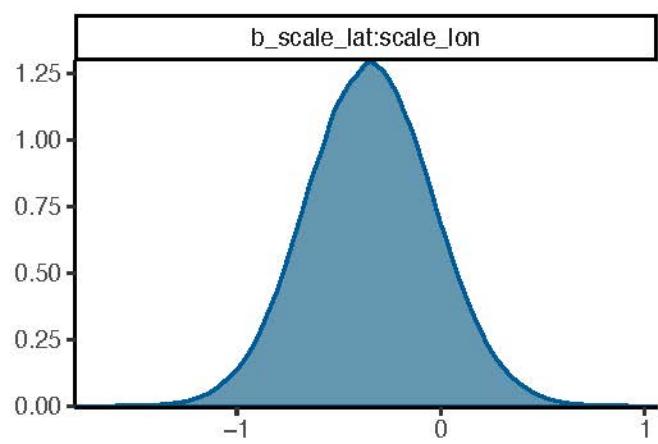
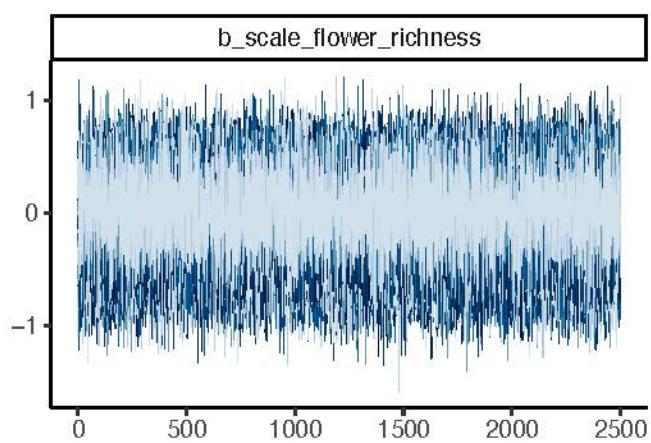
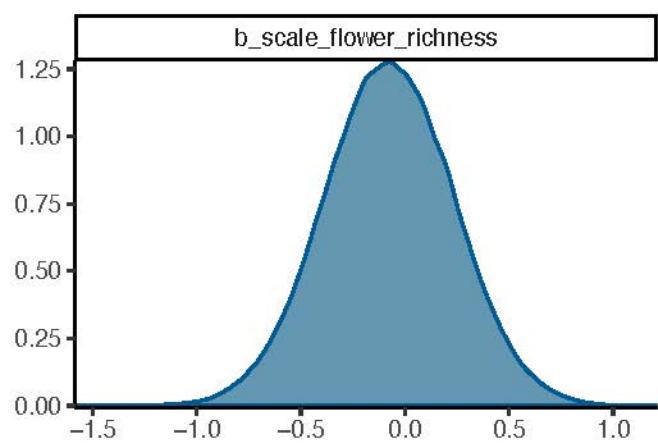


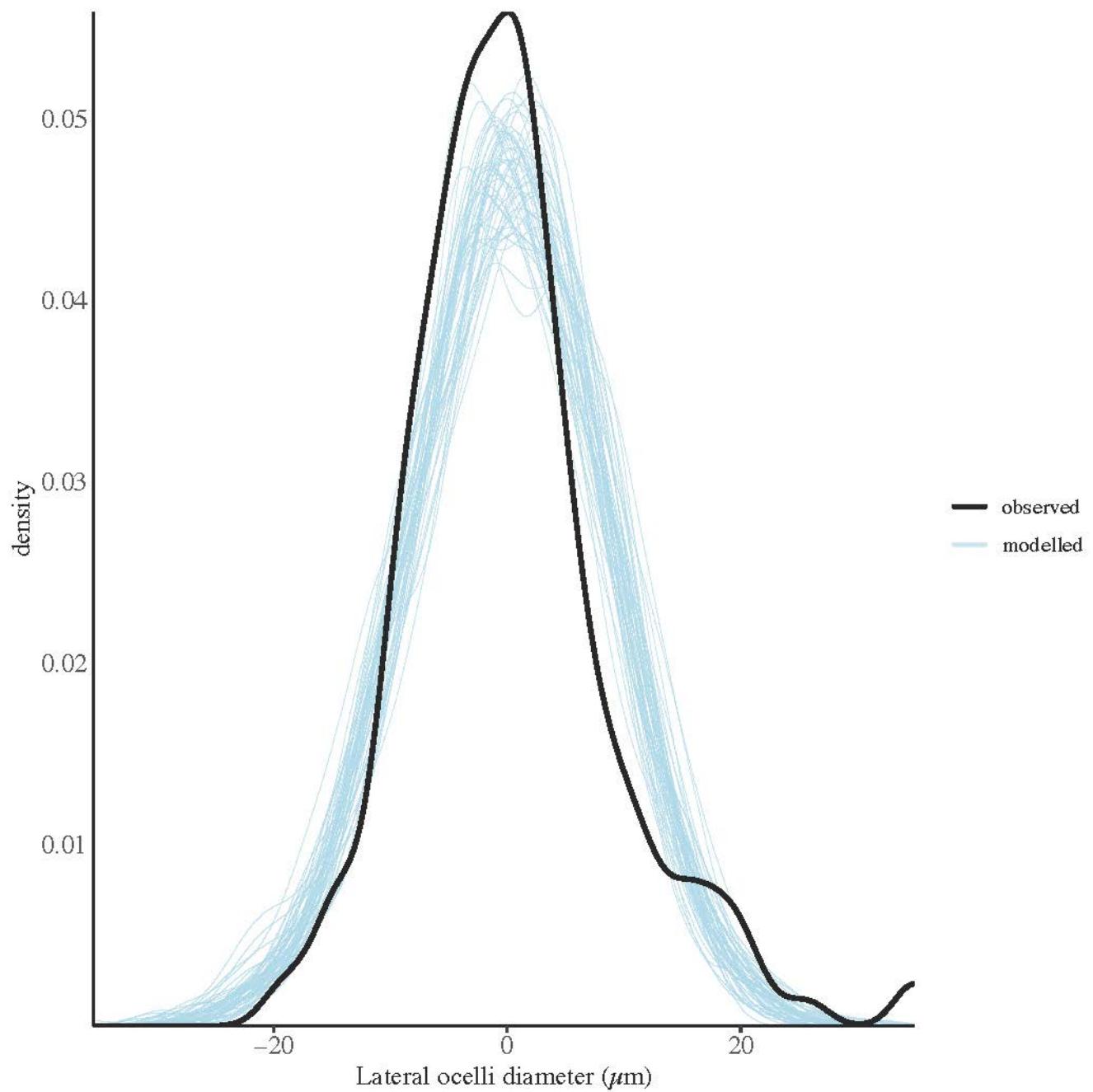




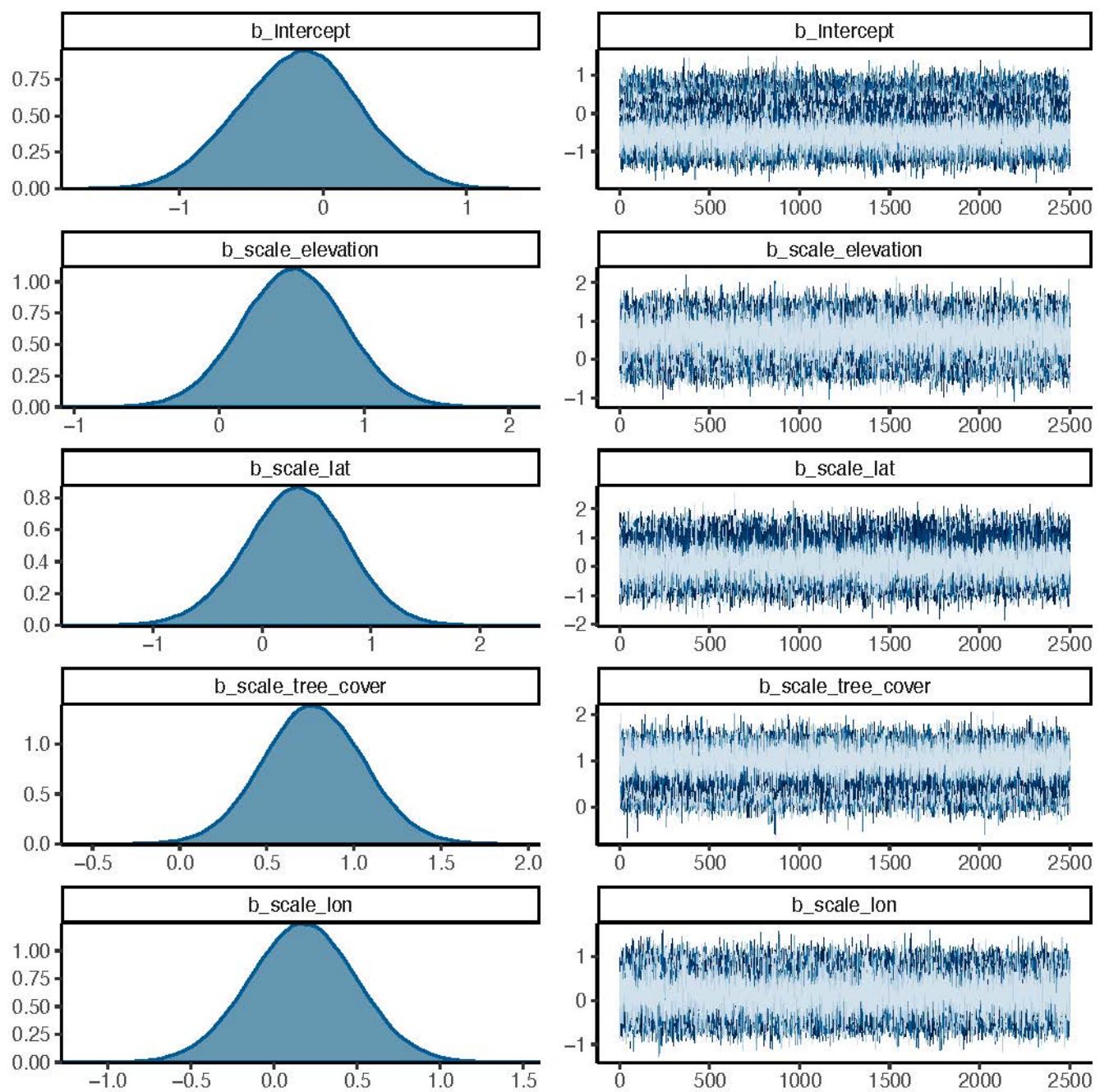
Lateral ocelli diameter ( $\mu\text{m}$ )

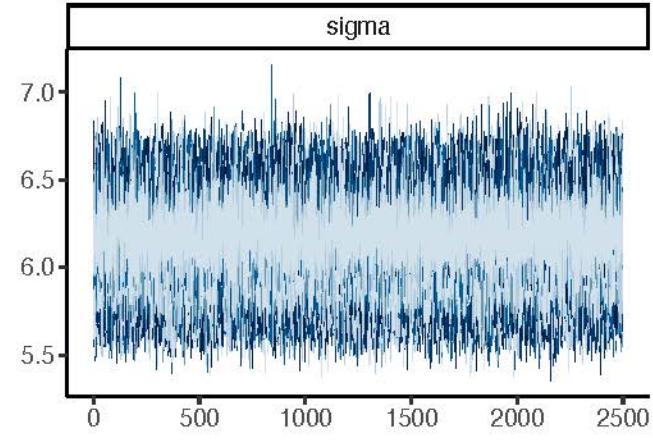
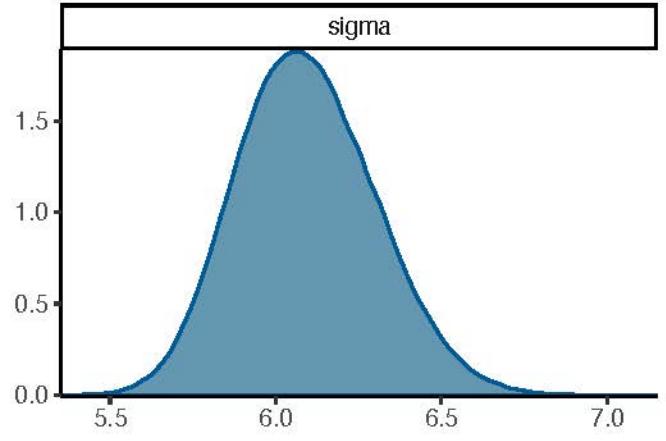
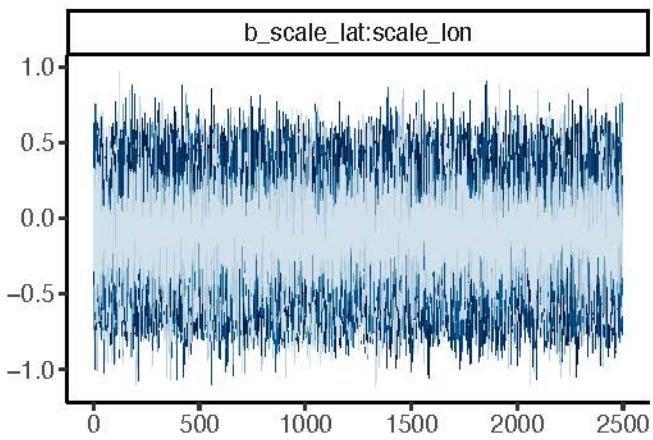
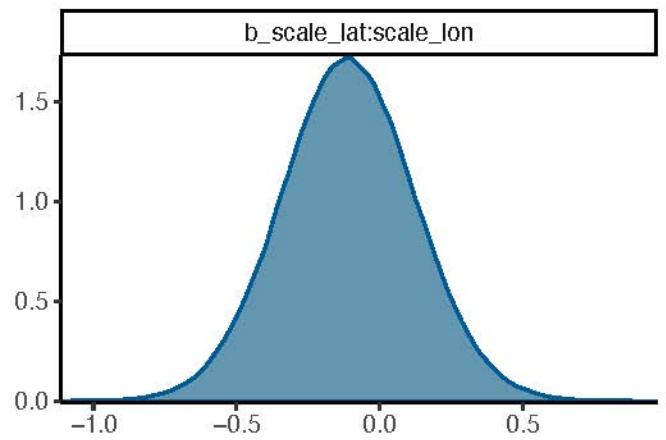
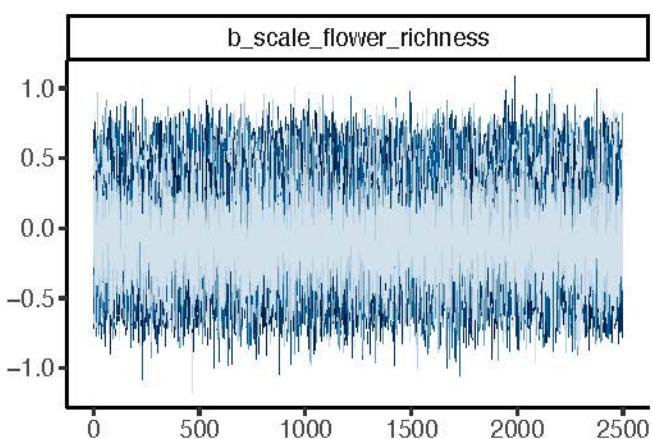
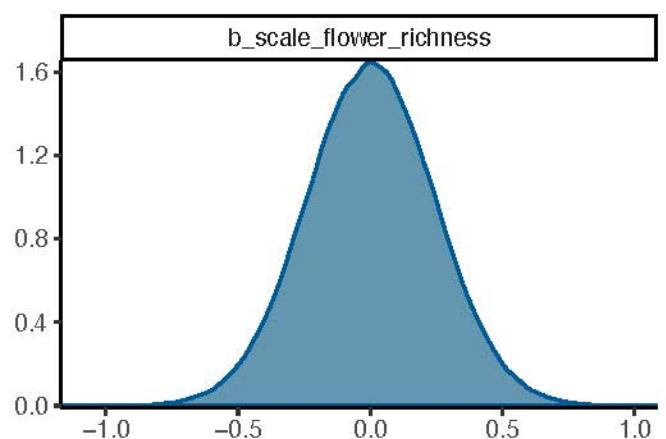


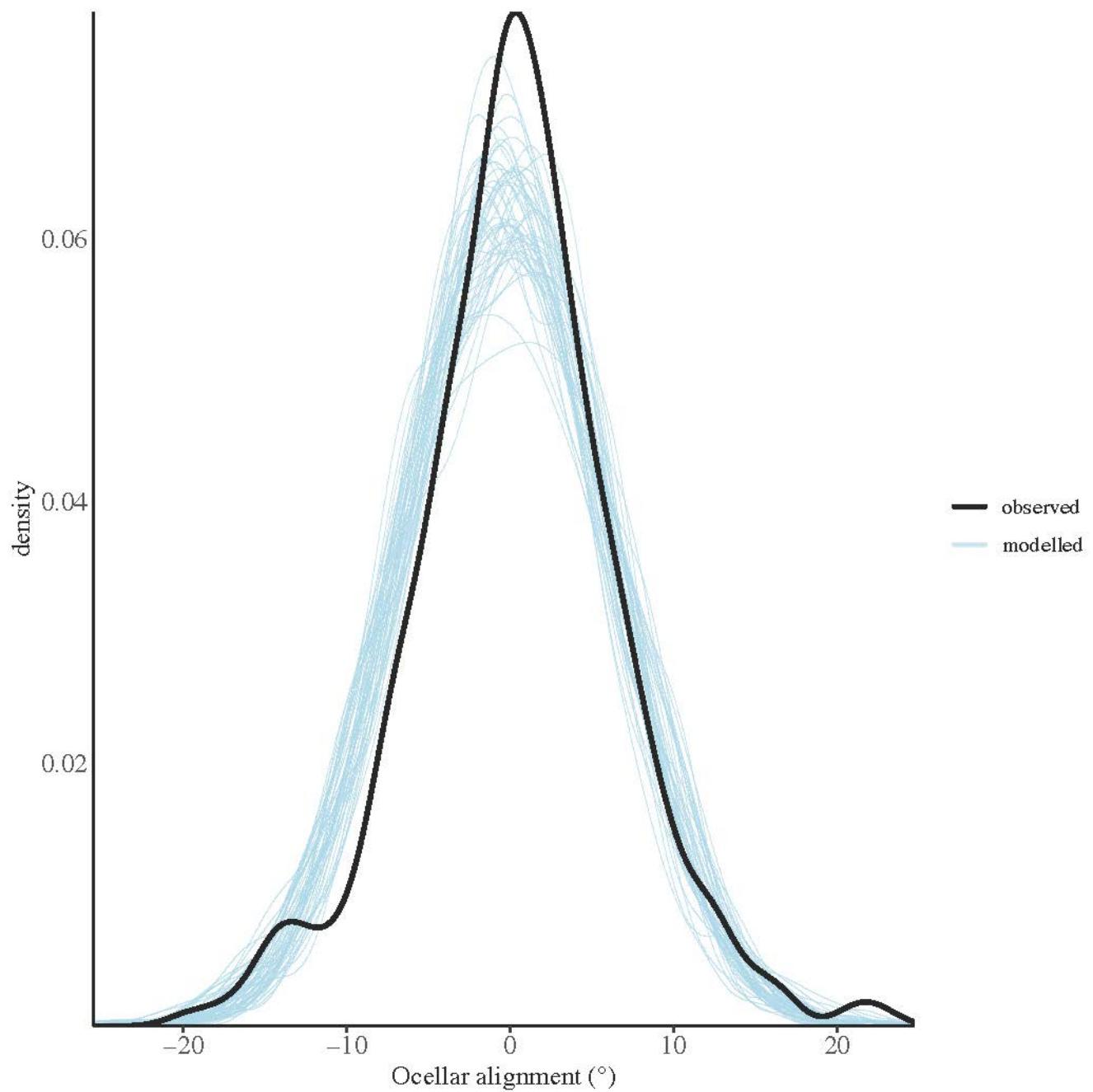




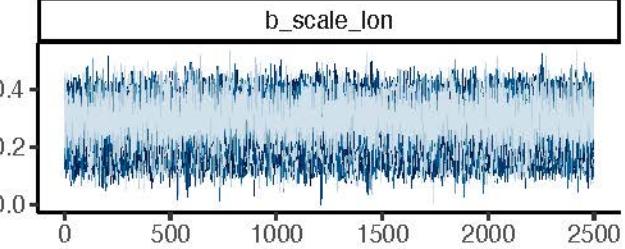
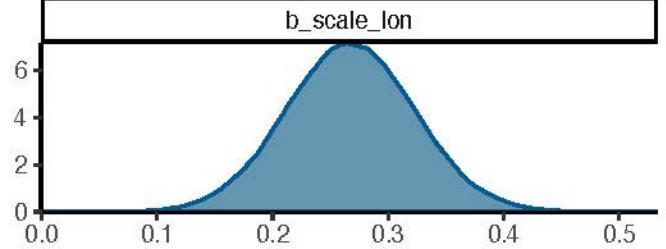
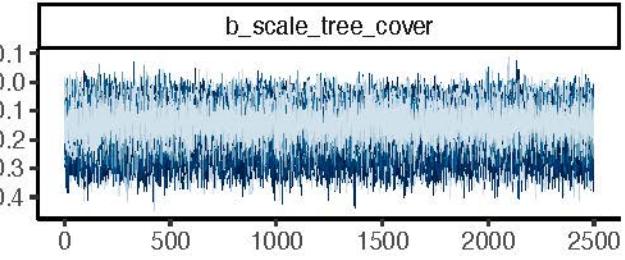
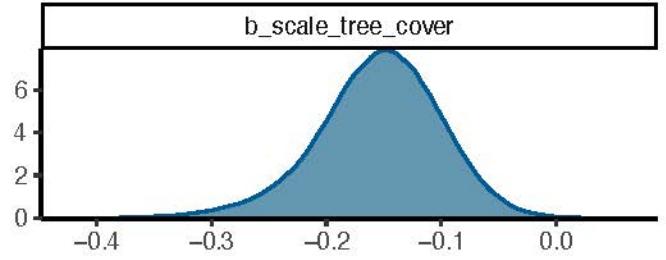
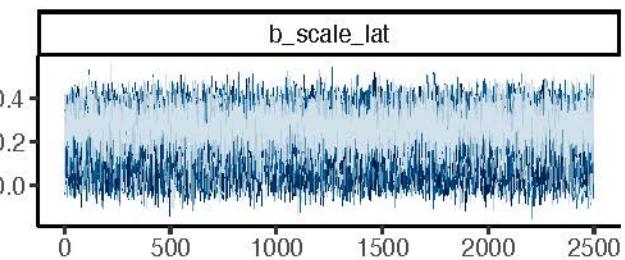
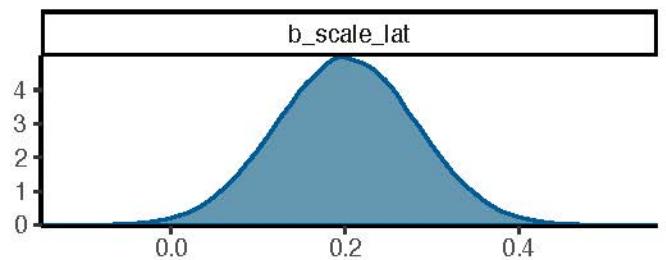
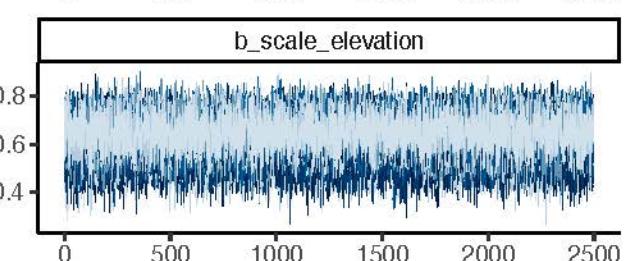
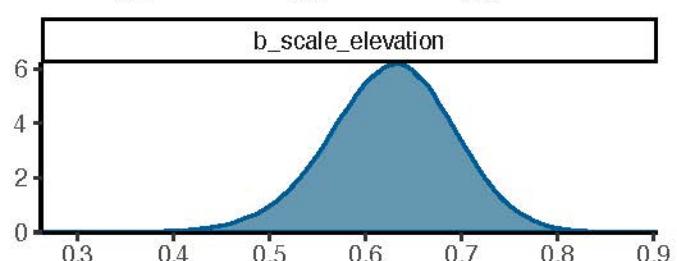
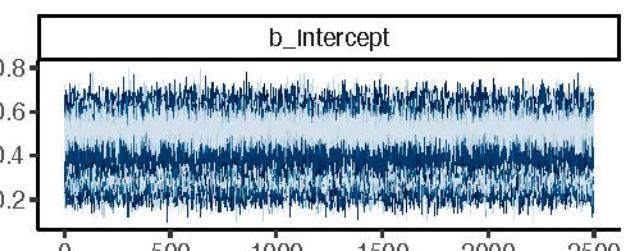
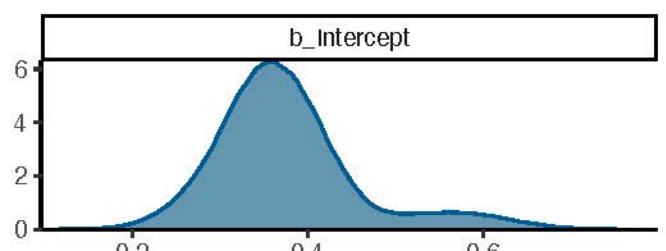
Ocellar alignment (°)



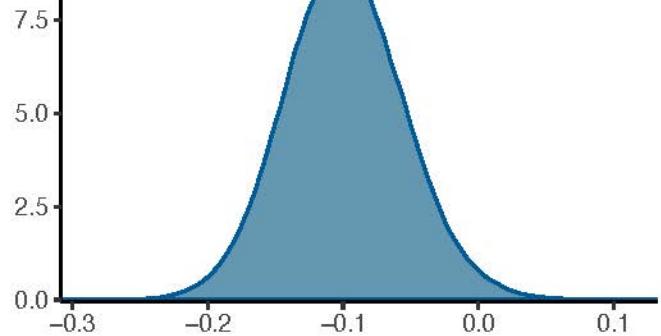




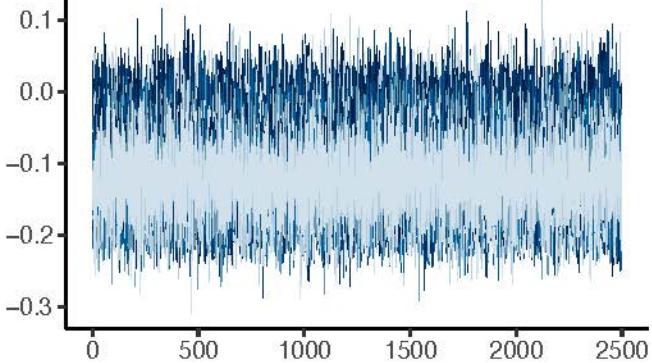
Monocular FOV (%)



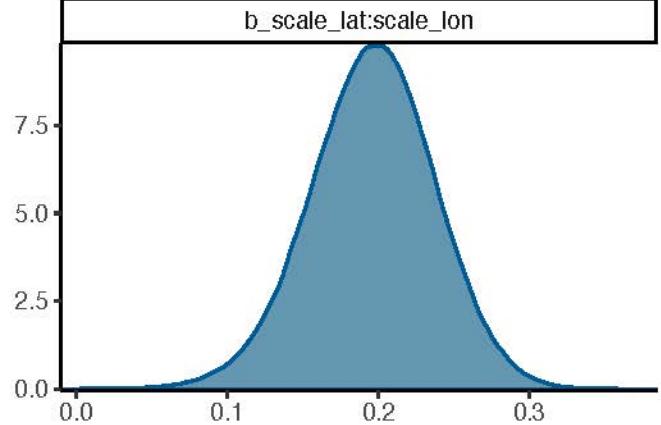
b\_scale\_flower\_richness



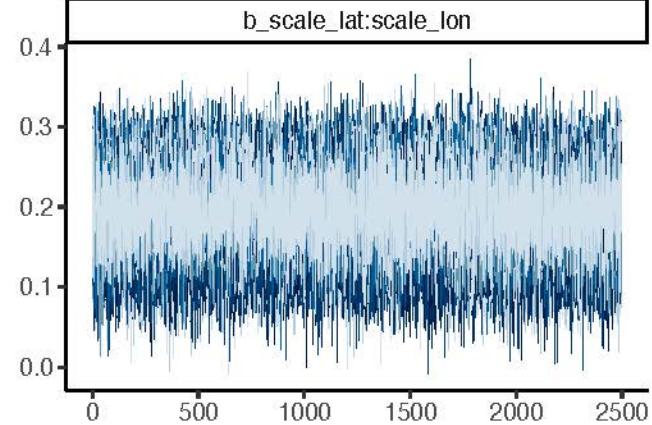
b\_scale\_flower\_richness



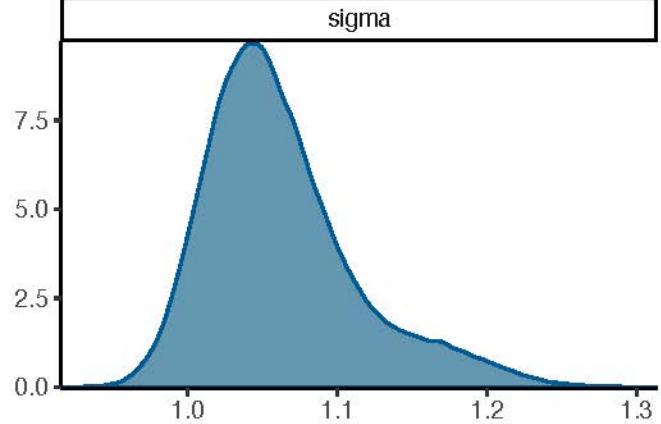
b\_scale\_lat:scale\_ion



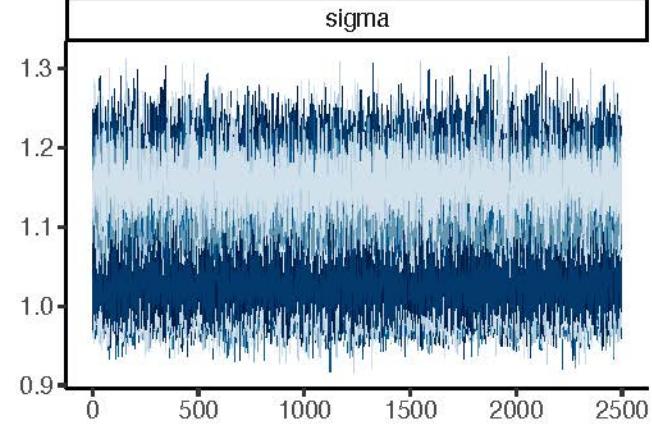
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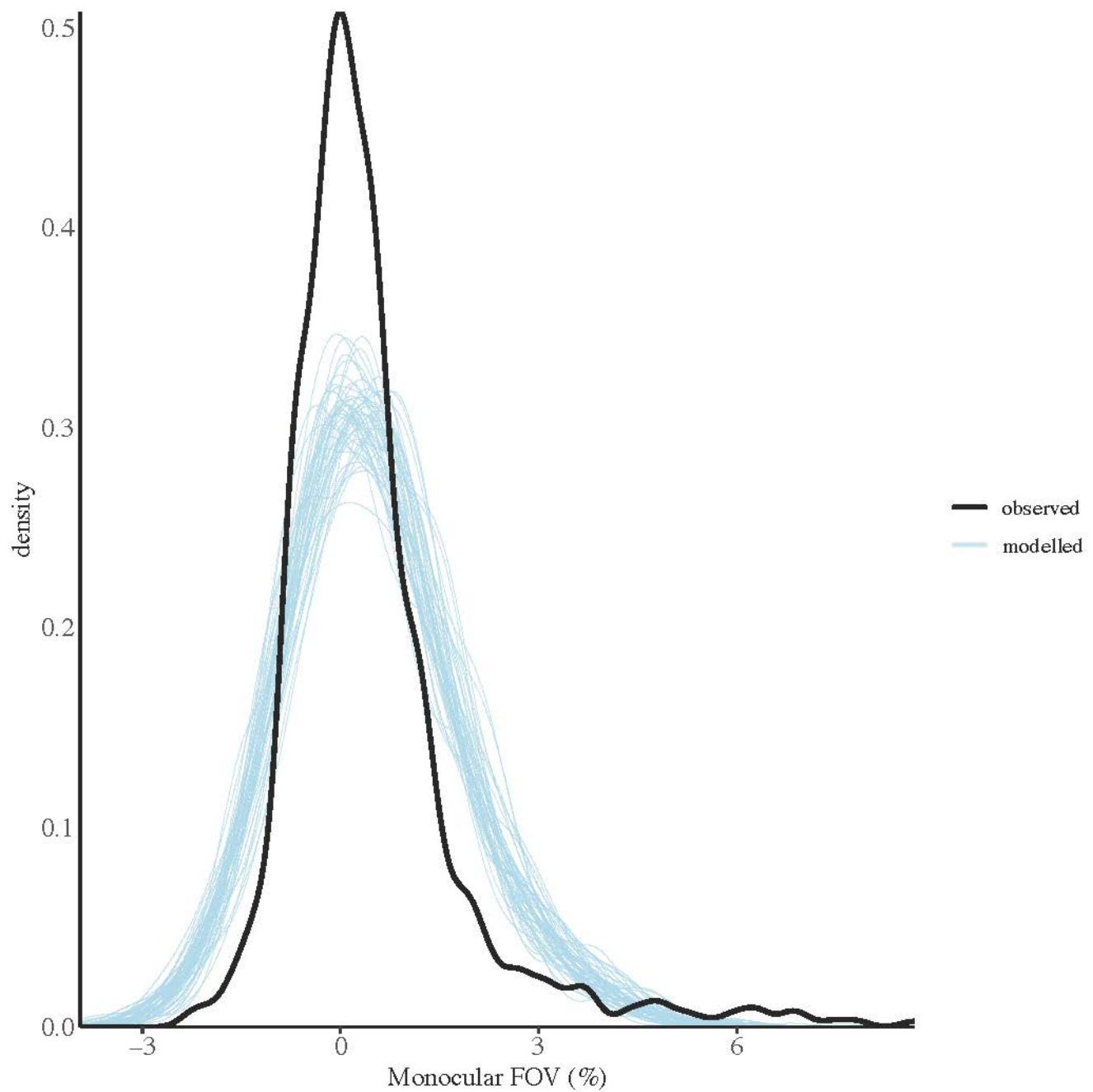


sigma



sigma





Binocular overlap (%)

