1. CID\_BM1

1 2

alpha NA NA

sigma.sq 1 1

theta 2 2

2. CD\_BMV

1 2

alpha NA NA

sigma.sq 1 2

theta 3 3

3. CID+\_BMV

1 1 2 2

alpha NA NA NA NA

sigma.sq 1 1 2 2

theta 3 3 3 3

4. CID\_OU1

1 2

alpha 1 1

sigma.sq 2 2

theta 3 3

5. CD\_OUA

1 2

alpha 1 2

sigma.sq 3 3

theta 4 4

6. CD\_OUV

1 2

alpha 1 1

sigma.sq 2 3

theta 4 4

7. CD\_OUVA

1 2

alpha 1 2

sigma.sq 3 4

theta 5 5

8. CD\_OUM

1 2

alpha 1 1

sigma.sq 2 2

theta 3 4

9. CD\_OUMA

1 2

alpha 1 2

sigma.sq 3 3

theta 4 5

10. CD\_OUMV

1 2

alpha 1 1

sigma.sq 2 3

theta 4 5

11. CD\_OUMVA

1 2

alpha 1 2

sigma.sq 3 4

theta 5 6

12. CID+\_OUA

1 1 2 2

alpha 1 1 2 2

sigma.sq 3 3 3 3

theta 4 4 4 4

13. CID+\_OUV

1 1 2 2

alpha 1 1 1 1

sigma.sq 2 2 3 3

theta 4 4 4 4

14. CID+\_OUVA

1 1 2 2

alpha 1 1 2 2

sigma.sq 3 3 4 4

theta 5 5 5 5

15. CID+\_OUM

1 1 2 2

alpha 1 1 1 1

sigma.sq 2 2 2 2

theta 3 3 4 4

16. CID+\_OUMA

1 1 2 2

alpha 1 1 2 2

sigma.sq 3 3 3 3

theta 4 4 5 5

17. CID+\_OUMV

1 1 2 2

alpha 1 1 1 1

sigma.sq 2 2 3 3

theta 4 4 5 5

18. CID+\_OUMVA

1 1 2 2

alpha 1 1 2 2

sigma.sq 3 3 4 4

theta 5 5 6 6

19. CD\_OUBM1

1 2

alpha 1 NA

sigma.sq 2 2

theta 3 3

20. CD\_OUBMV

1 2

alpha 1 NA

sigma.sq 2 3

theta 4 4

21. CID+\_OUBM1

1 1 2 2

alpha 1 1 NA NA

sigma.sq 2 2 2 2

theta 3 3 3 3

22. CID+\_OUBMV

1 1 2 2

alpha 1 1 NA NA

sigma.sq 2 2 3 3

theta 4 4 4 4

Model structure folders

Model types: BMV, OUA, OUV, etc.

Ntips: 25, 100, 250

Nmaps: Ntips, Ntips\*2, Ntips\*10

Internodes: TBD