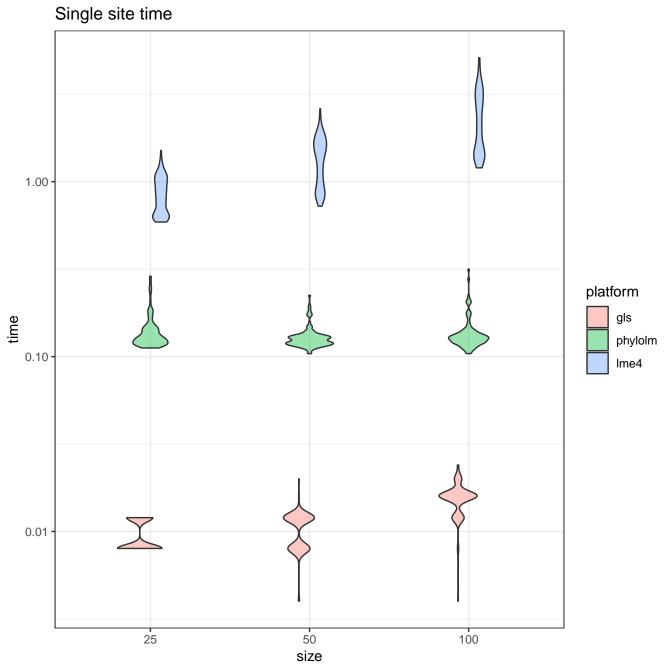
Single site phylo\_cor phylo\_int 50 -1.0 -40 0.5 -30 0.0 20 --0.5 **-**10 platform -1.00 gls sq phylo\_X resid phylolm lme4 30 -20 -15 20 -10 10 -5 -0 0 25 50 25 50 100 100 size



Single Site coverage phylolm lme4 gls 1.0 8.0 platform gls phylolm coverage lme4 fixed\_parameter B0\_coverage B1\_coverage 0.4 25 50 100 25 50 100 25 50 100 size

Multiple Sites (pez is problematic) phylo\_cor phylo\_int phylo\_interaction 15 -1.00 6.0 0.75 5.5 -10 0.50 5.0 5 0.25 4.5 0.00 0 phylo\_X resid site\_int 8 platform 10 2 6 pez sd phyr 5 lme4 4 0 0 2 species\_X species\_cor species\_int 10.0 1.0 10 7.5 -0.5 5.0 -0.0 5

0

25

50

100

size

1000

-0.5

-1.0

25

50

100

1000

2.5

0.0

25

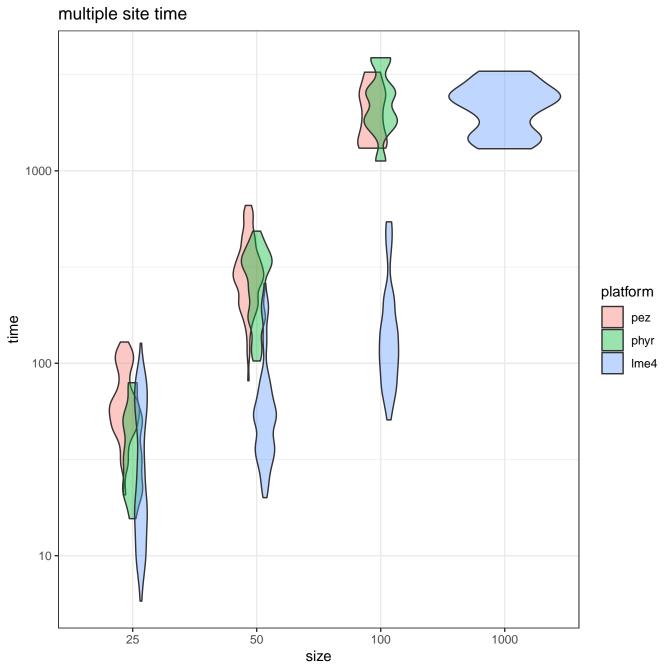
50

100

1000

TODO: cowplot y-int simulation parameter phylo\_cor phylo\_int phylo\_interaction 15 -5.5 1.00 0.75 10 5.0 0.50 5 0.25 4.5 0.00 0 phylo\_X resid site\_int 8 10 -2 platform 6 sd lme4 5 4 0 species\_X species\_cor species\_int 1.0 7.5 10 0.5 5.0 0.0 5 2.5 -0.5-1.00.0 25 50 100 1000 25 50 100 1000 25 50 100 1000

size



Single Site coverage phyr lme4 pez 1.0 0.9 fixed\_parameter B0\_coverage B1\_coverage coverage platform pez phyr lme4 0.8 0.7 -25 50 25 25 50 100 1000 100 1000 50 100 1000 size