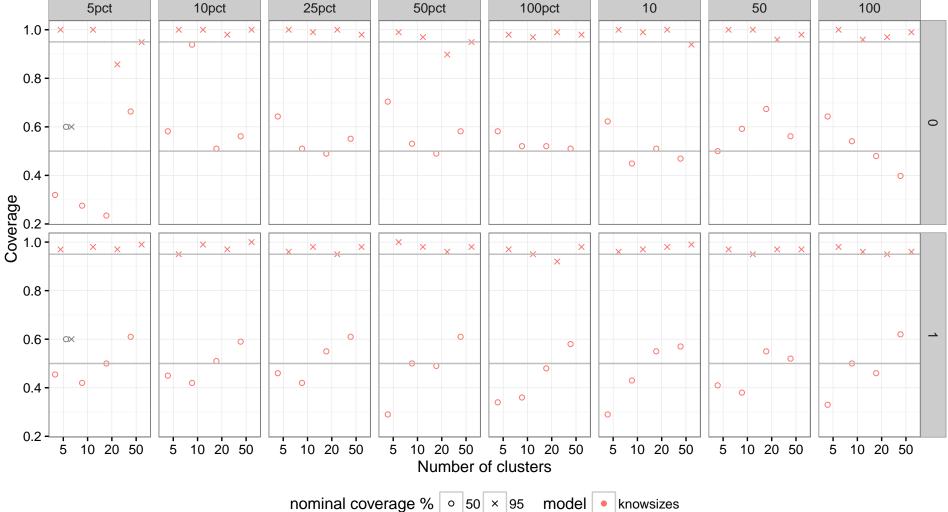
alpha0 100pct 5pct 10pct 25pct 50pct 10 50 100  $\times \times \times \times \times \times$  $\times \times \times \times$ 1.00 - ×× ×  $\times$   $\times$   $\times$  $\times \times \times \times \times$  $\times \times \times \times \times$  $\times \times \times$ 0 0.75 -0 0 0 00 0 OK 0 0 0 0 0 0 0.50 0 0 0 0 0 0 0 0 000 0 00 00 0 0 0 0 0 0 0 0.25 -Coverage - 00.0 - 00.1 0.75 -0 0 X 0 0.50 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.25 -0.00 -10 20 50 10 20 50 10 20 50 10 20 50 5 10 20 50 5 10 20 50 5 10 20 50 10 20 50 Number of clusters

model • knowsizes • cluster\_inds\_only

nominal coverage % ○ 50 × 95

gamma0 100pct 50pct 10 50 100 × × × ×× × 0 0 0 0 0 0 × 0

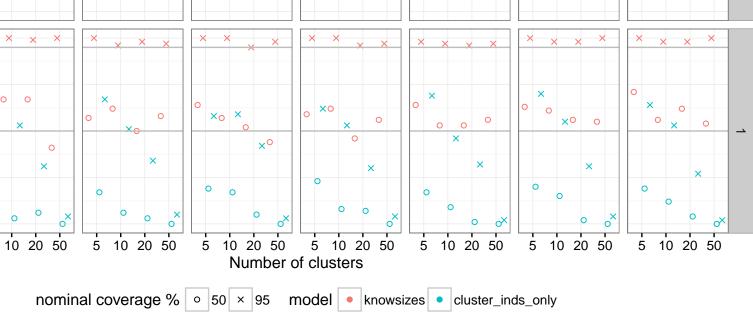
model • knowsizes



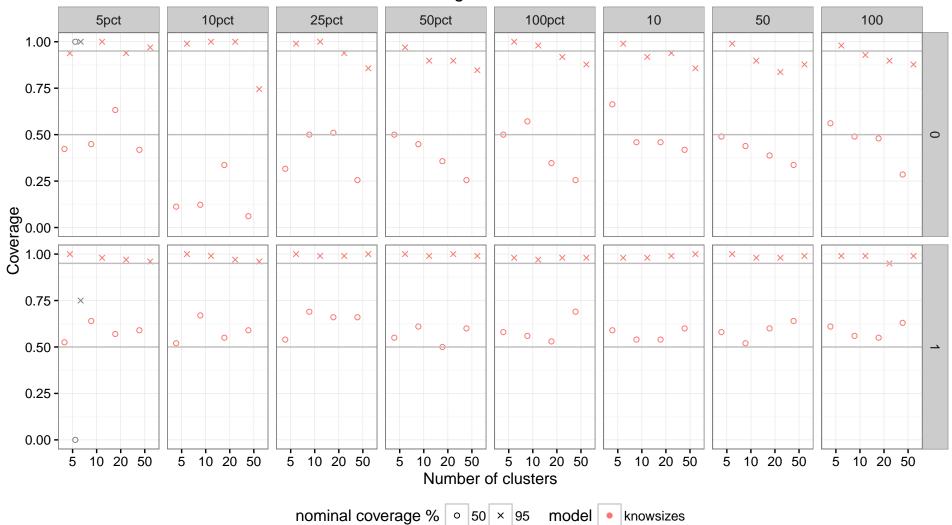
alpha1 5pct 10pct 25pct 50pct 100pct 10 50 100 1.00  $\times$   $\times$   $\times$  $\times \times \times \times$ ×××× 0 0.75 - $\propto$   $\circ$ 00 0 0 0 0 0 0 0 0 0 0 0 0 0.50 100 0 0 0 0 00 0 0.25 Coverage 7.00 - × × 0.75 -×o × × 0 0 oxo X 0 0 ×o × 0 0 0 ×o 0 0 0 0 0.50 ×° × × 0.25 -0

0.00 -

20 50



gamma1



sigma\_beta0 100pct 5pct 10pct 25pct 50pct 10 50 100  $1.0 + \times \times \times \times \times \times$ ×××× ××××××× ××××× 0 0.8 -0 00 0 0 0 0 0 0 0000 0 0.6 0 0 0 00 0 0 0 0 0 0 0 0 0 0 0 0.4 Coverage - 0.1 0 00 ××× ×××, 0.8 0 0 0 0 0 0 0 0.6 0 0 0 0 00 00 O 0 0 0 0 0 0 0 0 0 0 0.4 -0 0 0 0 0 0 0.2



Number of clusters

5

10 20 50

5 10 20 50

10 20 50

10 20 50

5 10 20 50

5

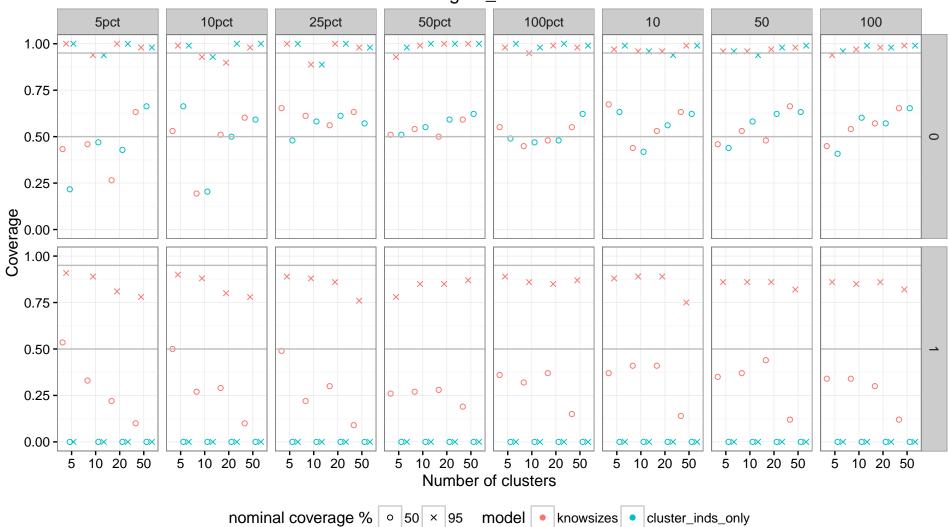
10 20 50

10 20 50

5

10 20 50

sigma\_beta1



sigma\_y 5pct 10pct 25pct 100pct 10 50 100 50pct  $\times \times \times \times \times \times$ 1.00 - $\times \times \times \times \times \times \times$ ×××× ×× ×× ××  $\times \times \times$ 0.75 -0 00 00 00 0.50 0 0 00 0000 00 0 0 Coverage to coverage 00 0 00 - 00. XXXX ×× 0 0 0.75 -0000 00 0.50 00 0 0 0000 0.25 -10 20 50 5 10 20 50 10 20 50 10 20 50 5 10 20 50 5 10 20 50 5 10 20 50 10 20 50 Number of clusters

model • knowsizes • cluster\_inds\_only

nominal coverage % | 0 | 50 | × | 95

ybar\_new 10pct 25pct 100pct 100 5pct 50pct 10 50 1.00 <del>- ××</del>×  $\times \times \times \times \times \times$ XXXXXXX 0.75 00 100 00 00000 00 0 00 0.50 00 0 0 0 00 0 0.25 -Coverage - 00.0 - 00.1 ×× 0.75 -0.50 0000 000 0 0 00 0 0.25 -0.00 -10 20 50 10 20 50 10 20 50 10 20 50 5 10 20 50 5 10 20 50 5 10 20 50 5 10 20 50 Number of clusters

model • knowsizes • cluster\_inds\_only

nominal coverage % | o |50 | × |95