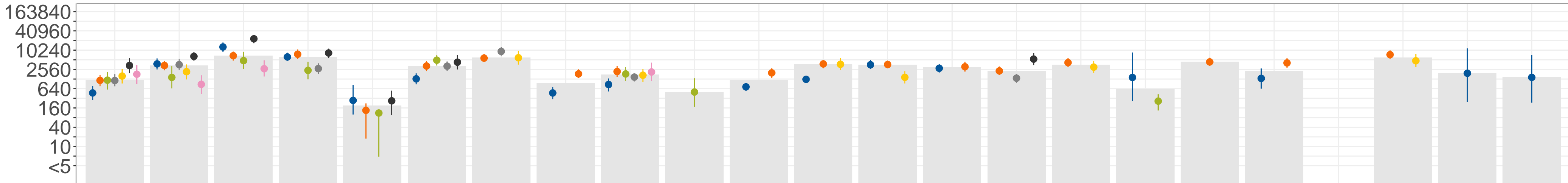
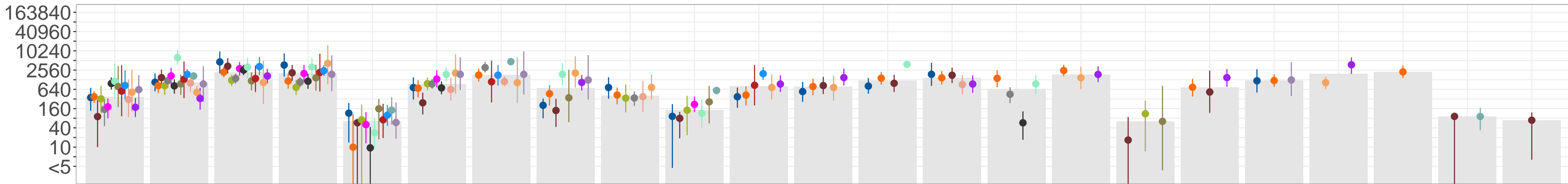


- Duke Oxford EMC (PRNT) Galveston WUSTL
Emory Mt. Sinai Charité Madison (FRNT) Maryland (pooled)
FDA AMC EMC (VeroE6) Madison (pooled)
Innsbruck Geneva EMC (Calu-3) Madison (unpooled)

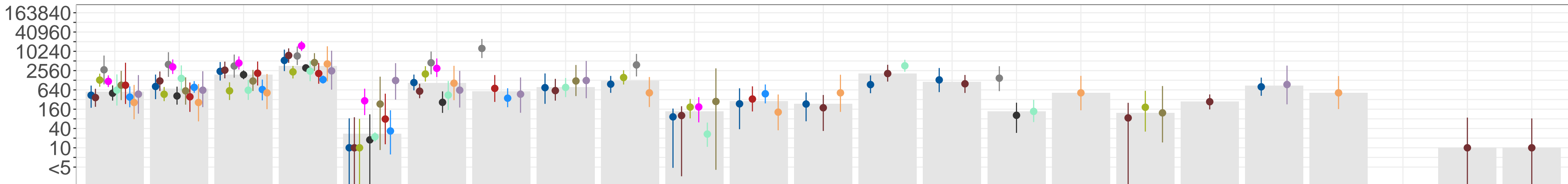
mRNA-1273 or BNT162b2 vaccinated



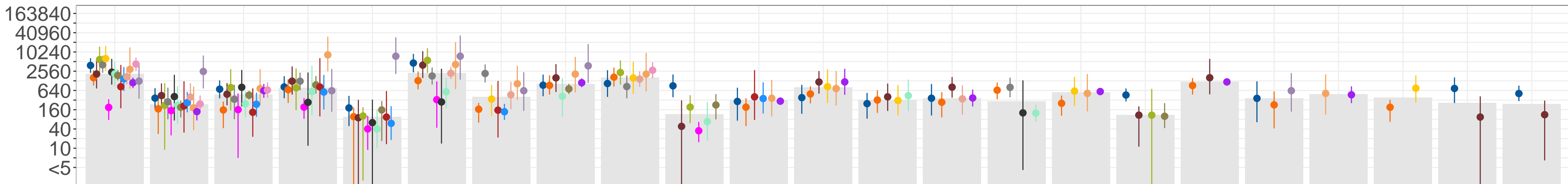
D614G convalescent



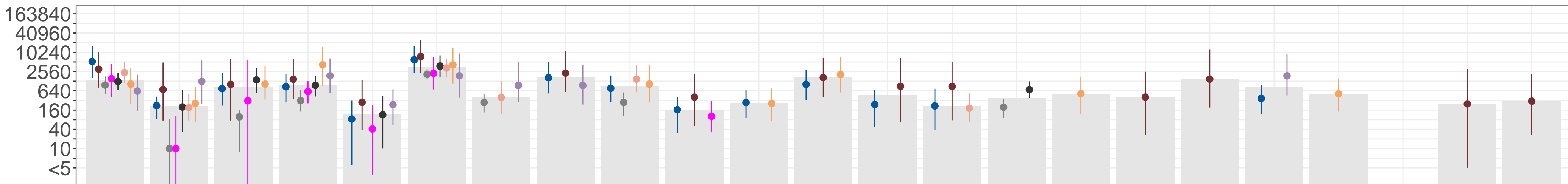
B.1.1.7 convalescent



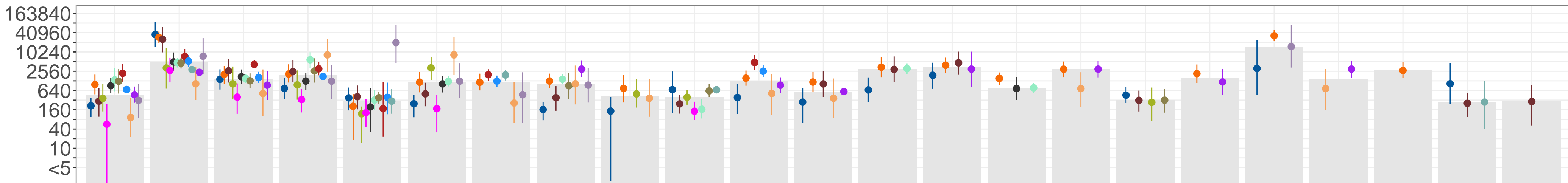
B.1.351 convalescent



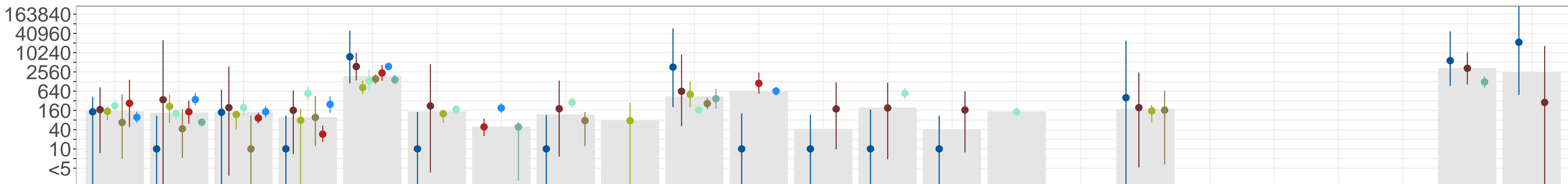
P.1 convalescent



B.1.617.2 convalescent



BA.1 convalescent



B.1.351 B.1.617.2 D614G B.1.1.7 BA.1 P.1 614D B.1.621 B.1.1.7+E484K BA.2 B.1.617.1 B.1.526+E484K C.37 B.1.429 P.2 B.1.526+S477N BA.5 R.1 B.1.617.2+K417N C.36.3 B.1.526 BA.1.1 BA.2.12.1