## Smoothed Effect on logit (COVID Risk) Smoothed Effect on logit (COVID Risk) s(Day57bindSpike, 4.74) s(Day57bindRBD,1.01) $\alpha$ -10 -20 -30 Spike IgG (IU/ml) RBD IgG (IU/ml) Smoothed Effect on logit (COVID Risk) Smoothed Effect on logit (COVID Risk) s(Day57pseudoneutid50,1.54) s(Day57pseudoneutid80,1) $\alpha$ $^{\circ}$

Mock

PsV-nAb ID80

PsV-nAb ID50