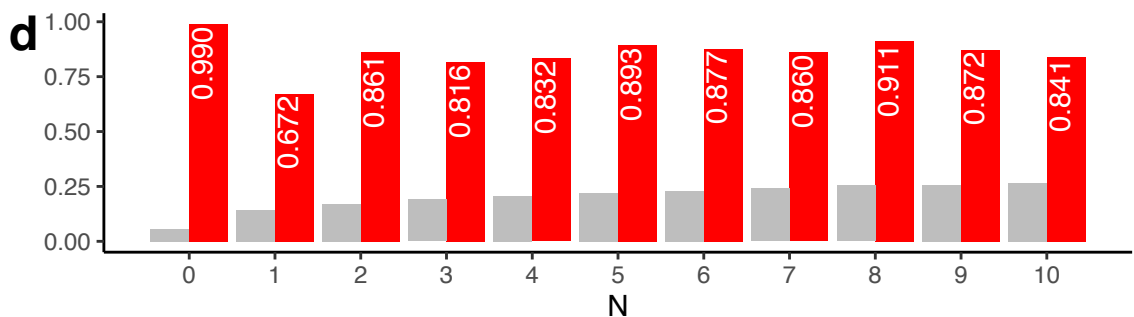
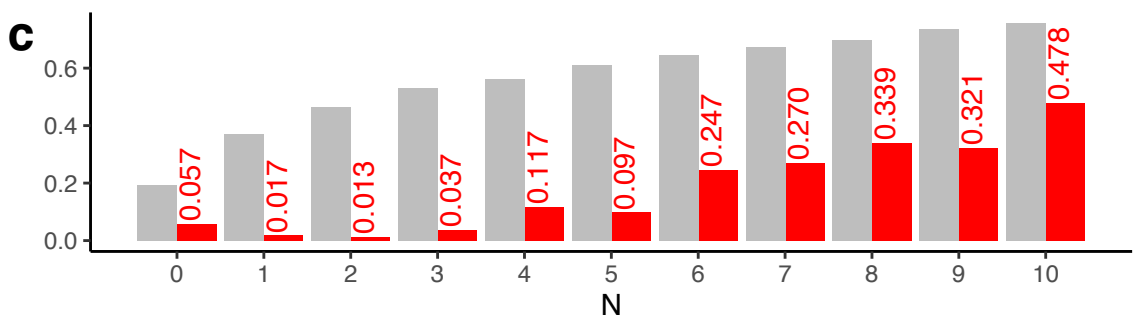
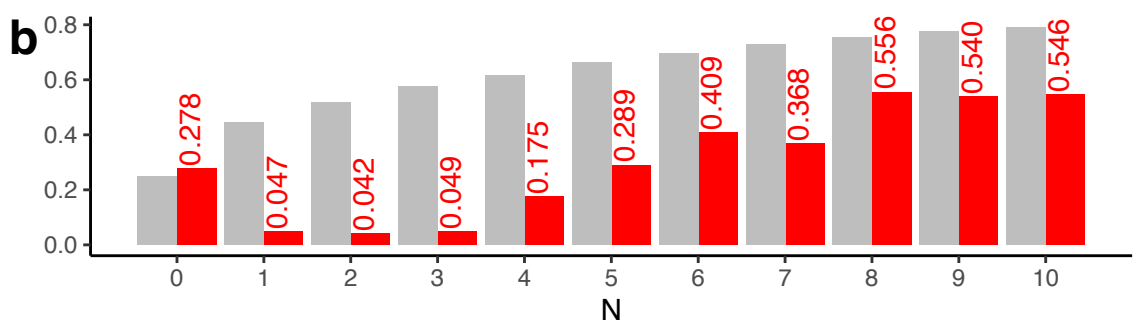
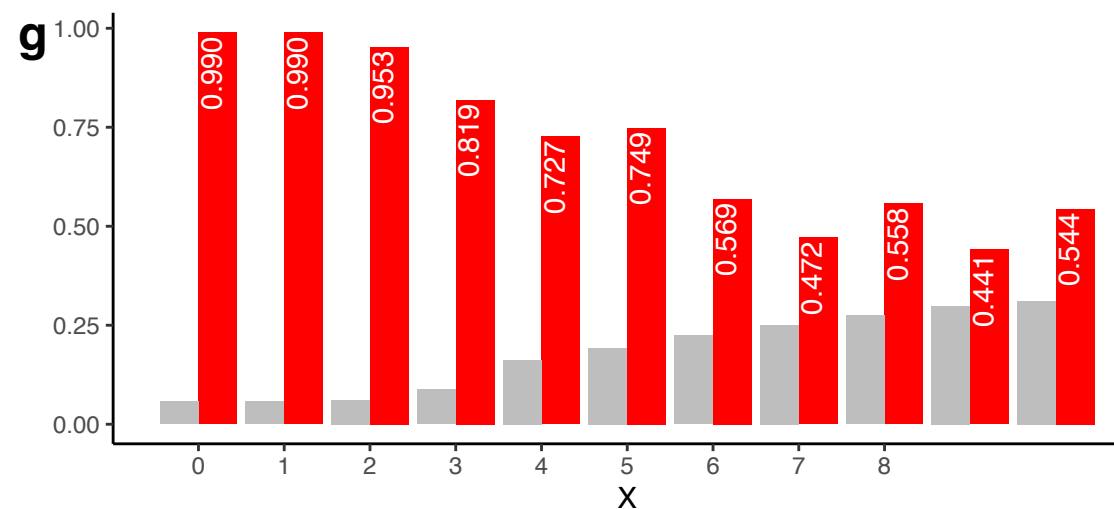
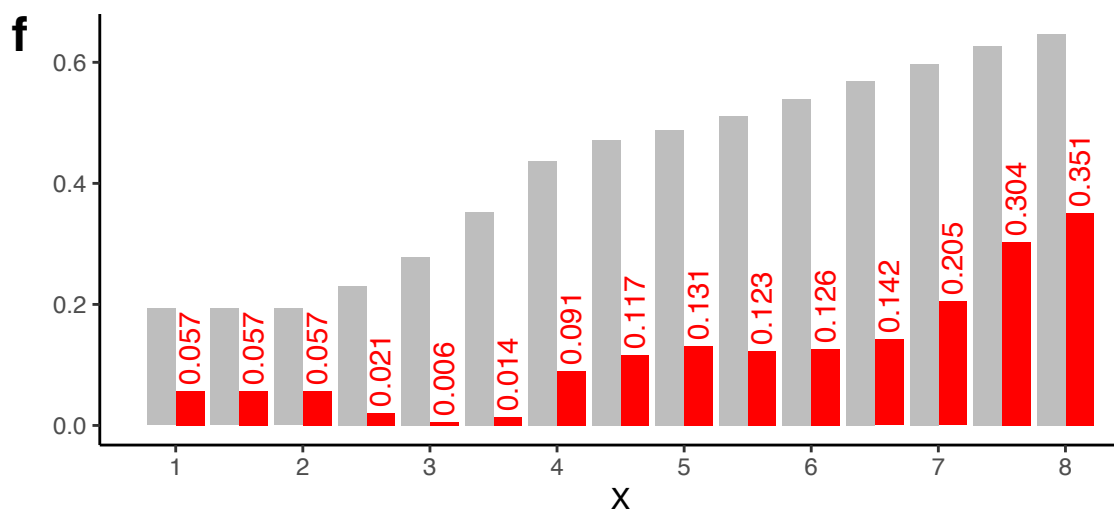
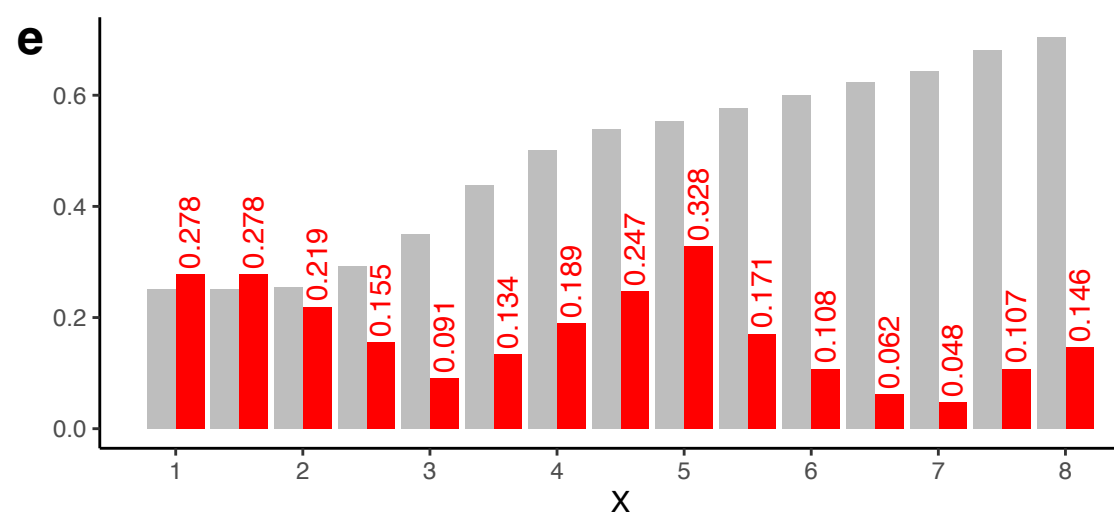


	Epitope association			
	hmAb + mmAb	hmAb	Not known	Total
Nonzero effect	22 (28.6%)	21 (27.3%)	55 (71.4%)	77
Zero effect	52 (23.9%)	36 (16.5%)	166 (76.1%)	218
No diversity	37	30	163	200
Total	111	87	384	495
Odds ratio (hmAb + mmAb) : 1.28 (95%CI: 0.71, 2.29)				
Odds ratio (hmAb only) : 1.90 (95%CI: 1.02, 3.51)				



Proportion of variable sites within N sites of known epitopes
 Probability of the overlap being >= the observed by coincidence



Proportion of variable sites within X angstroms of known epitopes
 Probability of the overlap being >= the observed by coincidence