

**Figure S1.**

446 patients hospitalised with COVID-19  
(Feb 2020 to March 2021)

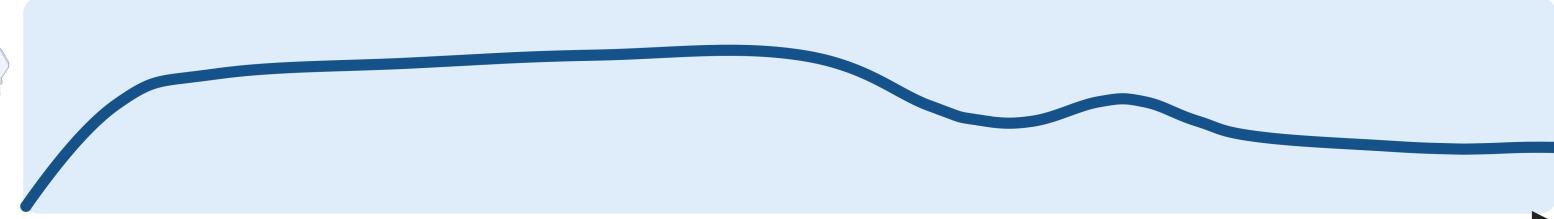
Plasma anti-S IgG reponse: Durable and boosted after vaccination



Nasal anti-S IgG reponse: Mirrors plasma IgG and boosted after vaccination



Nasal anti-S IgA reponse: distinct, wanes after 9 months and not boosted by vaccination



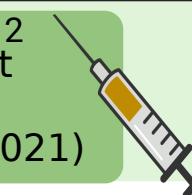
0

3

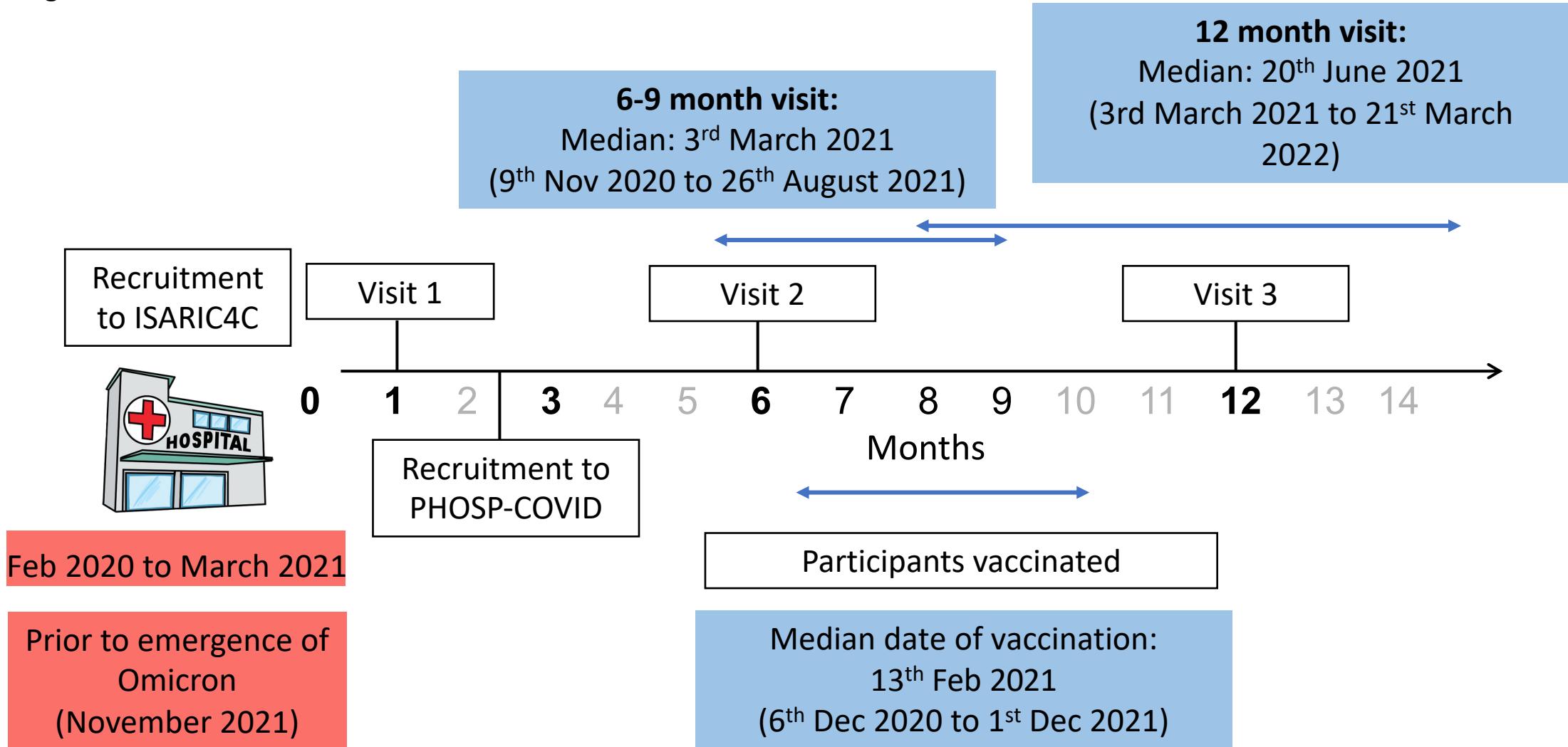
6

Months after hospitalisation with COVID-19

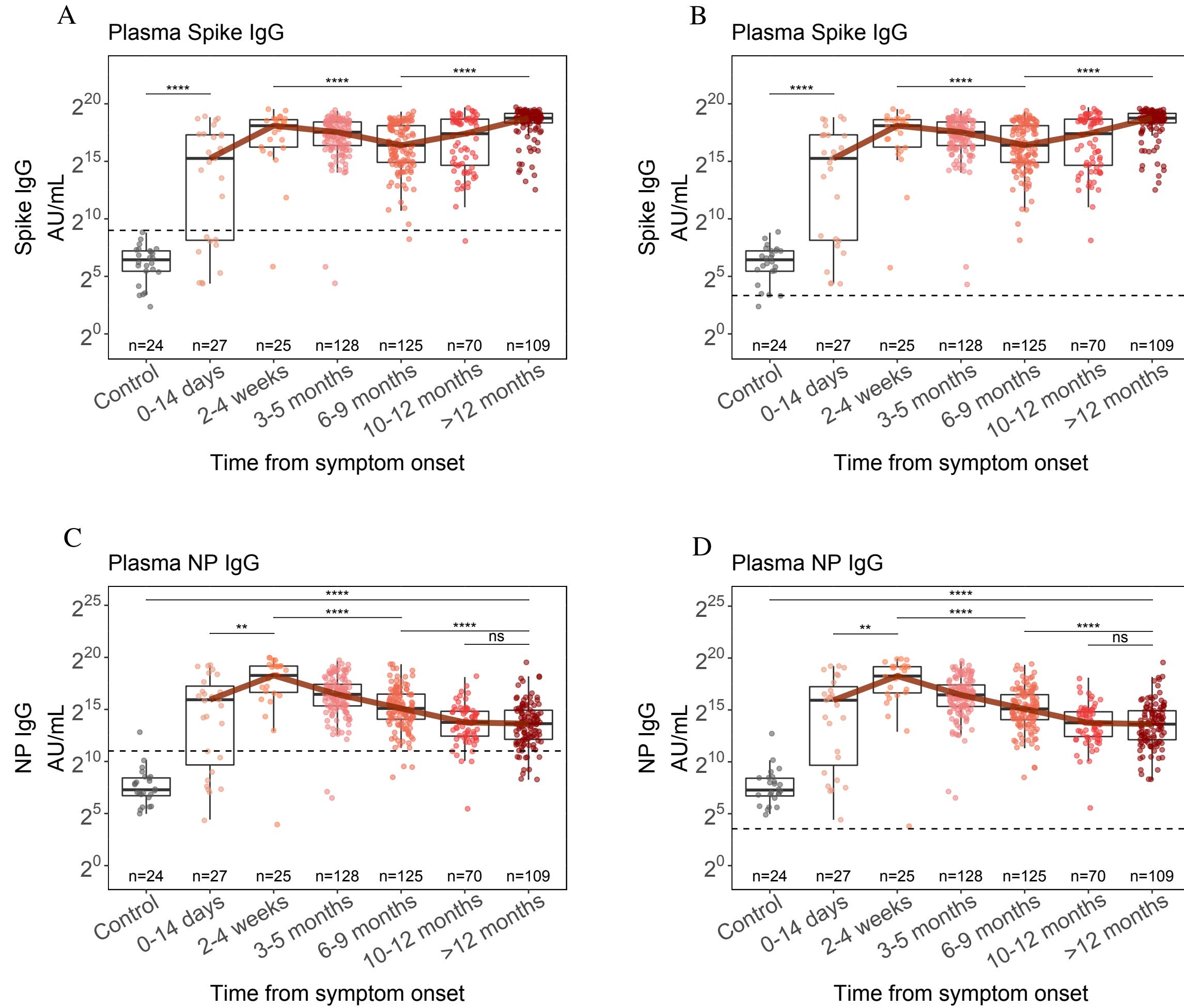
95% receive 1st vaccination  
(Dec 2020 to Dec 2021)

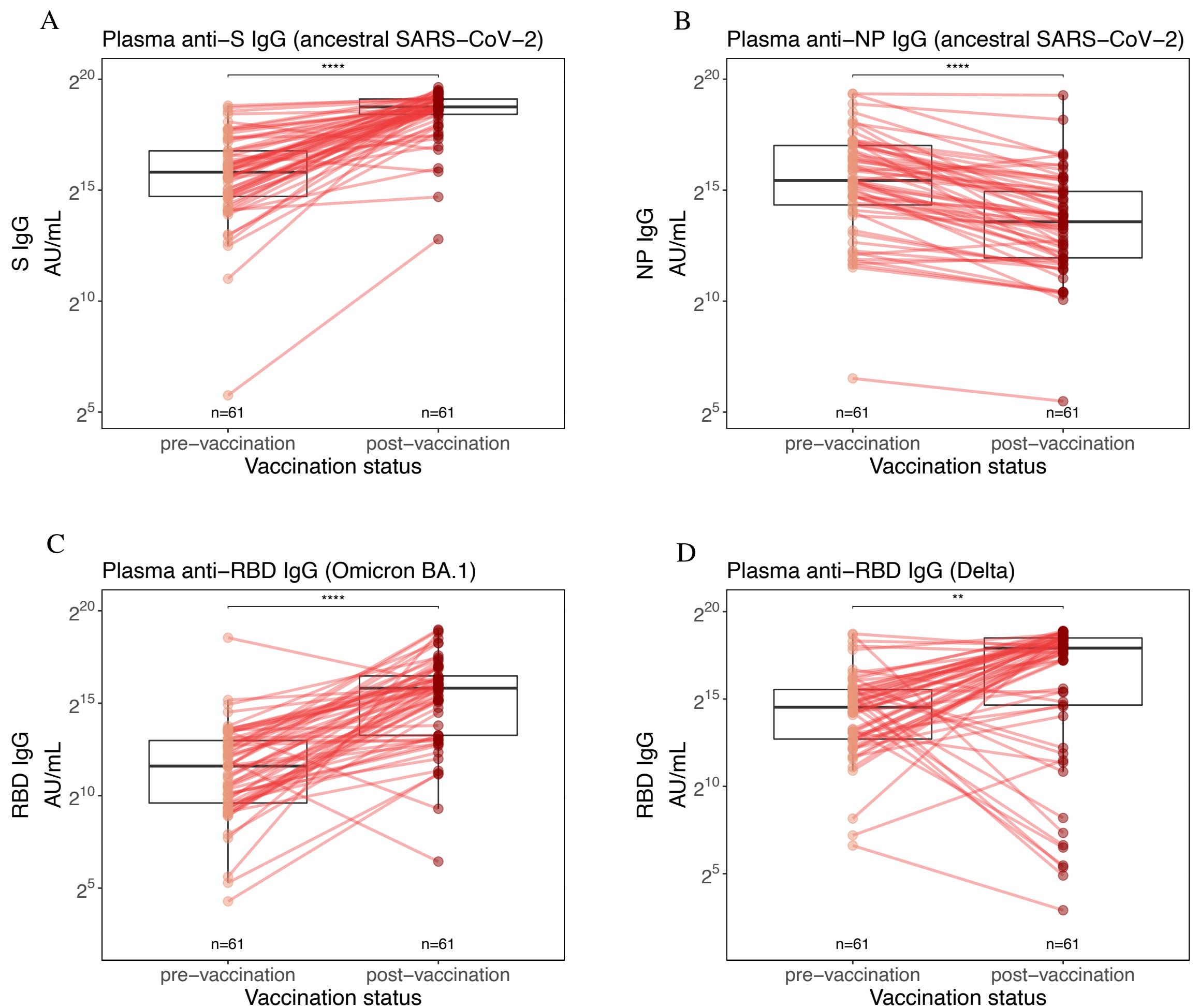


**Figure S2.**

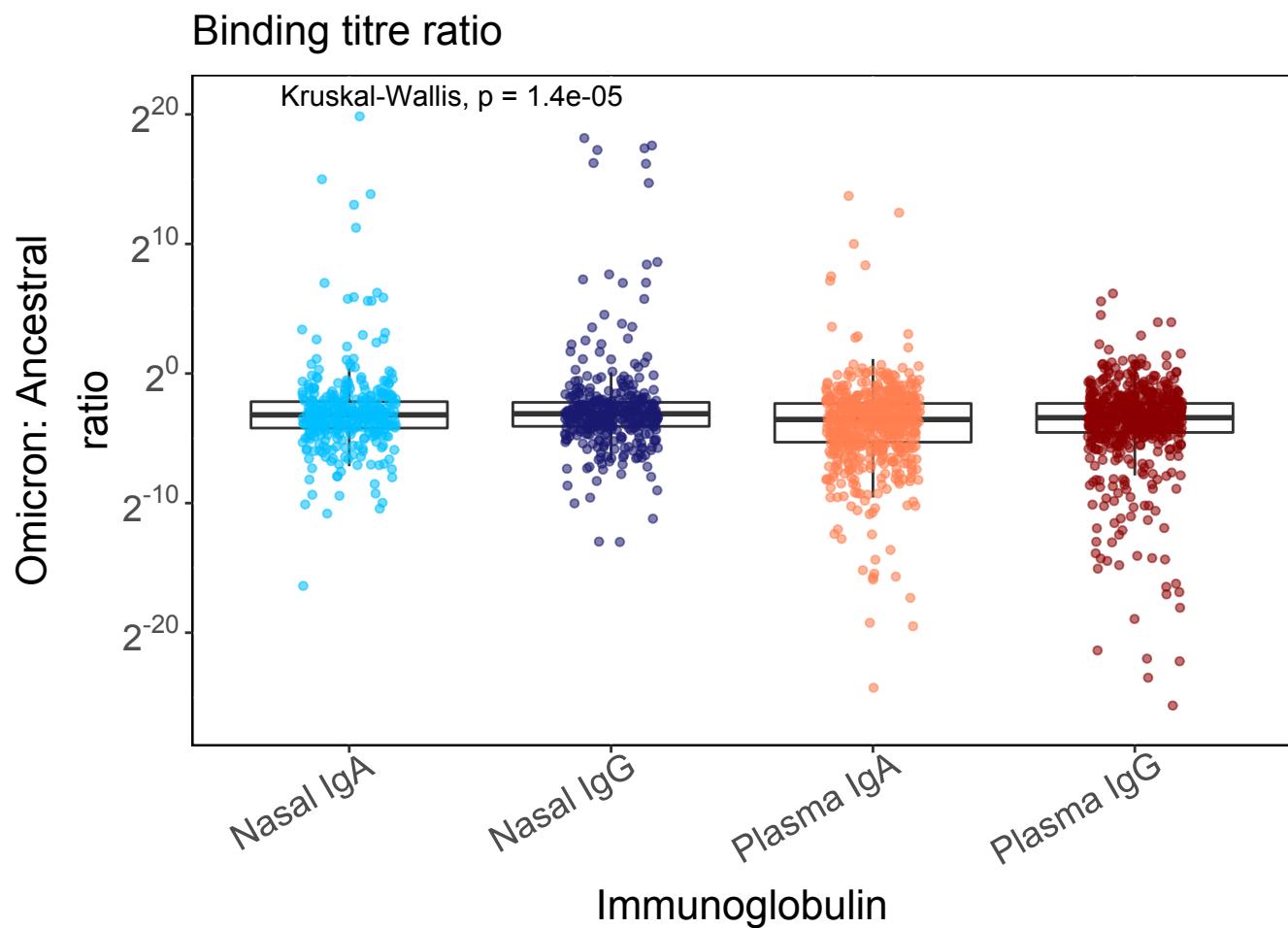


**Figure S3.**

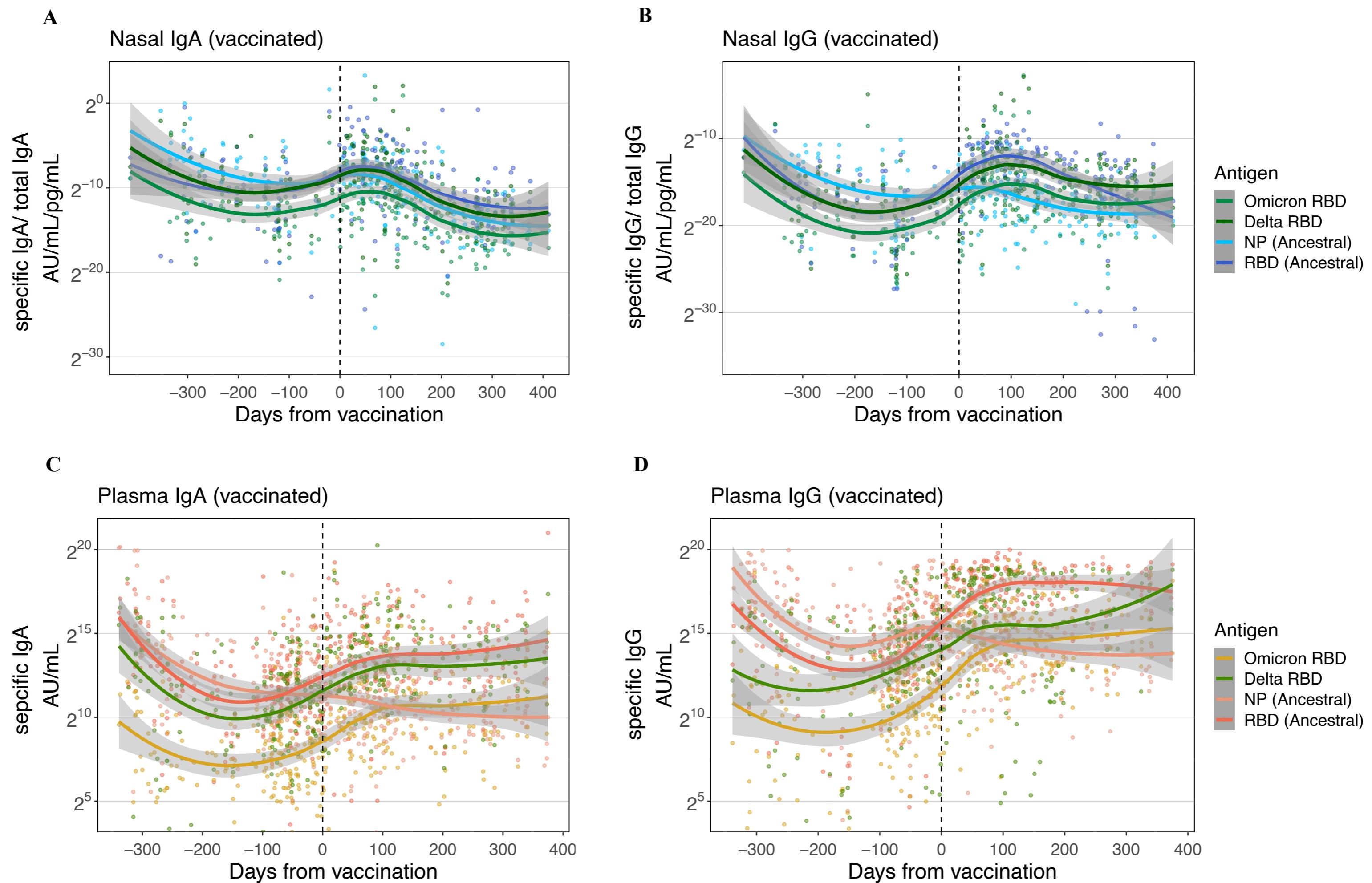


**Figure S4.**

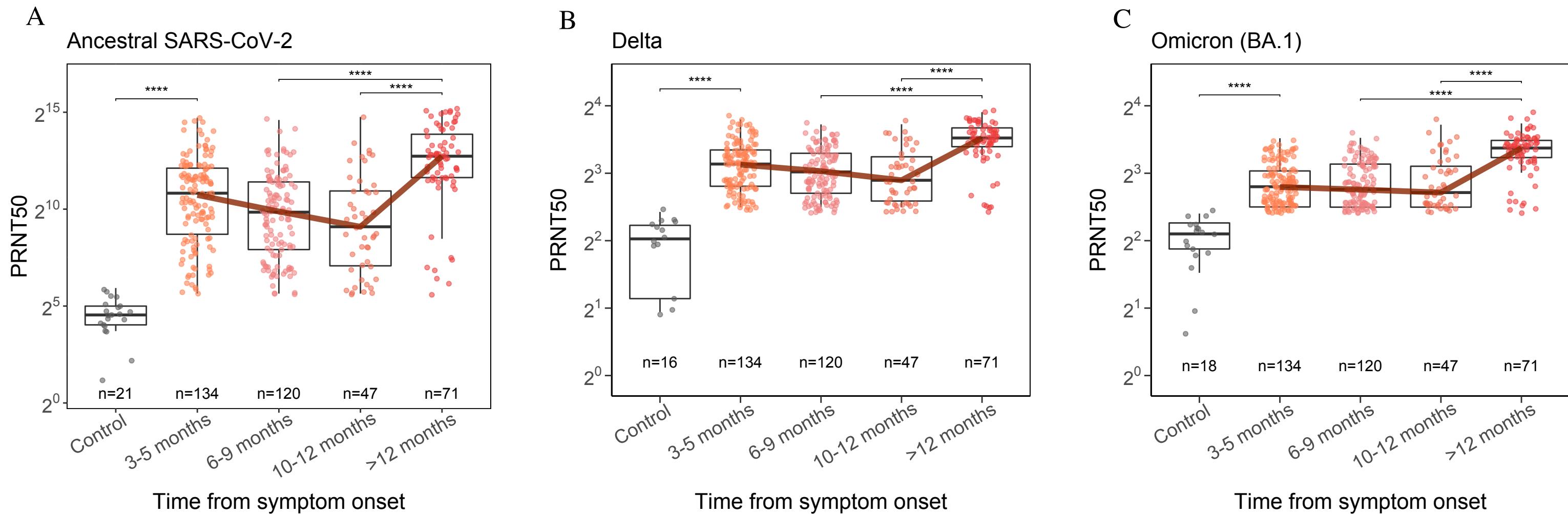
**Figure S5.**

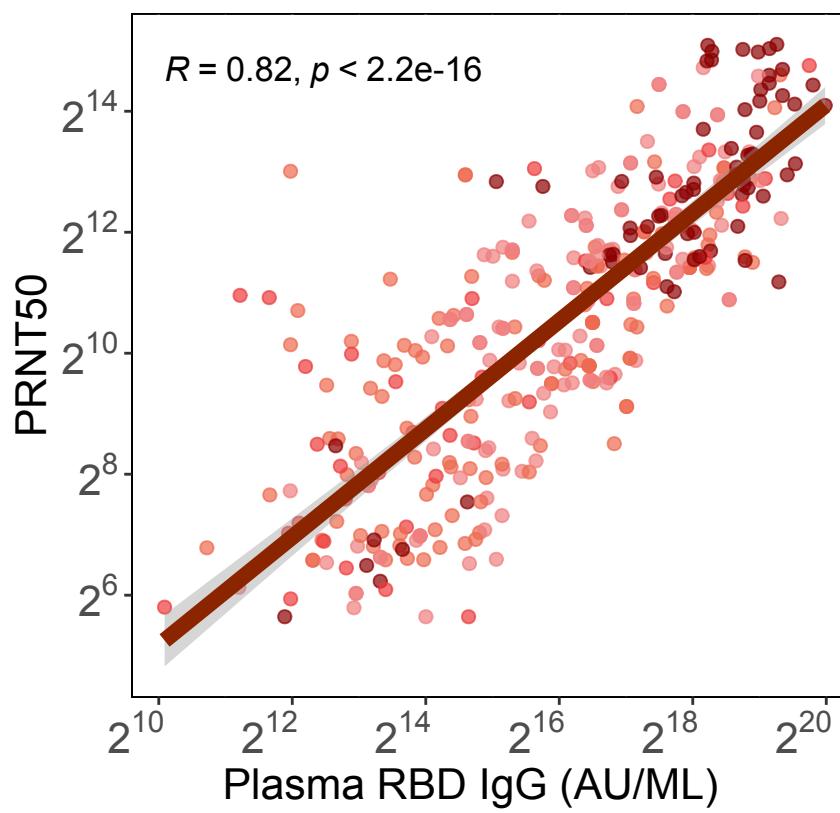
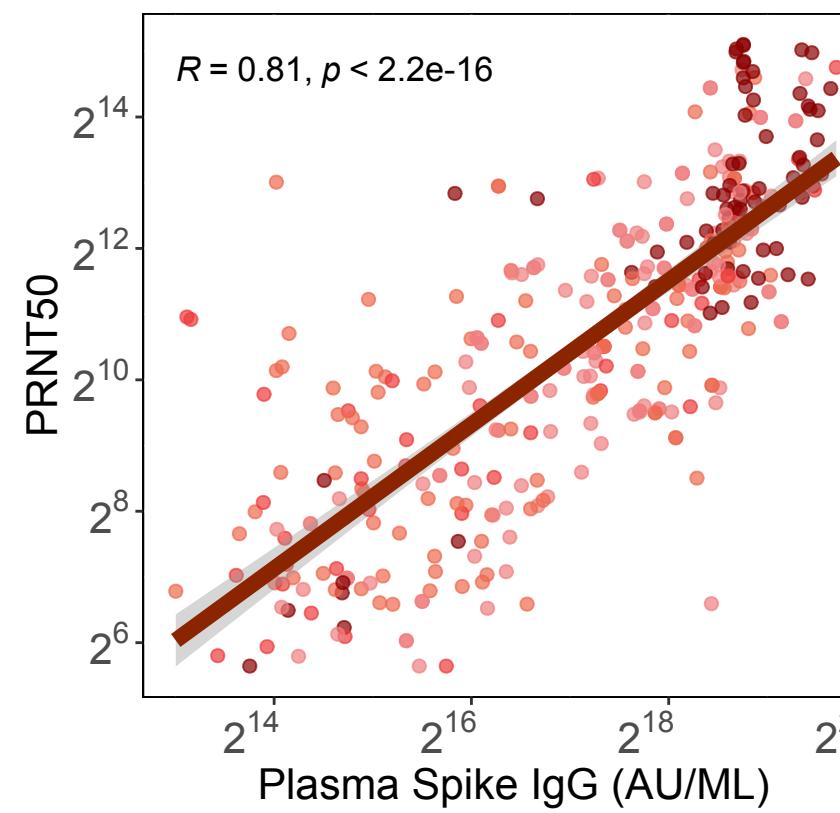
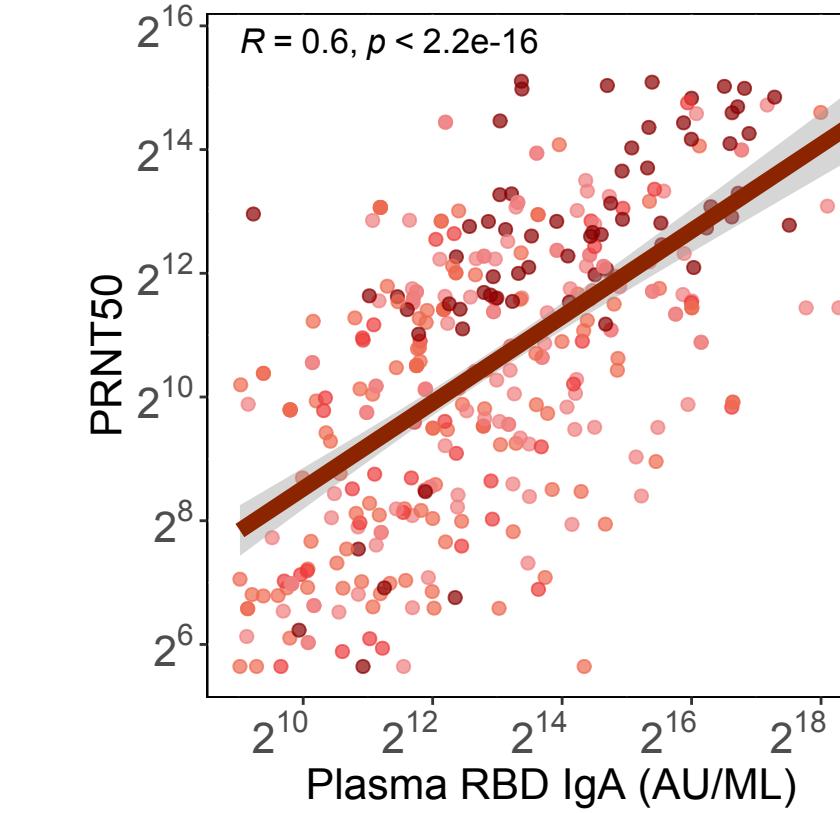
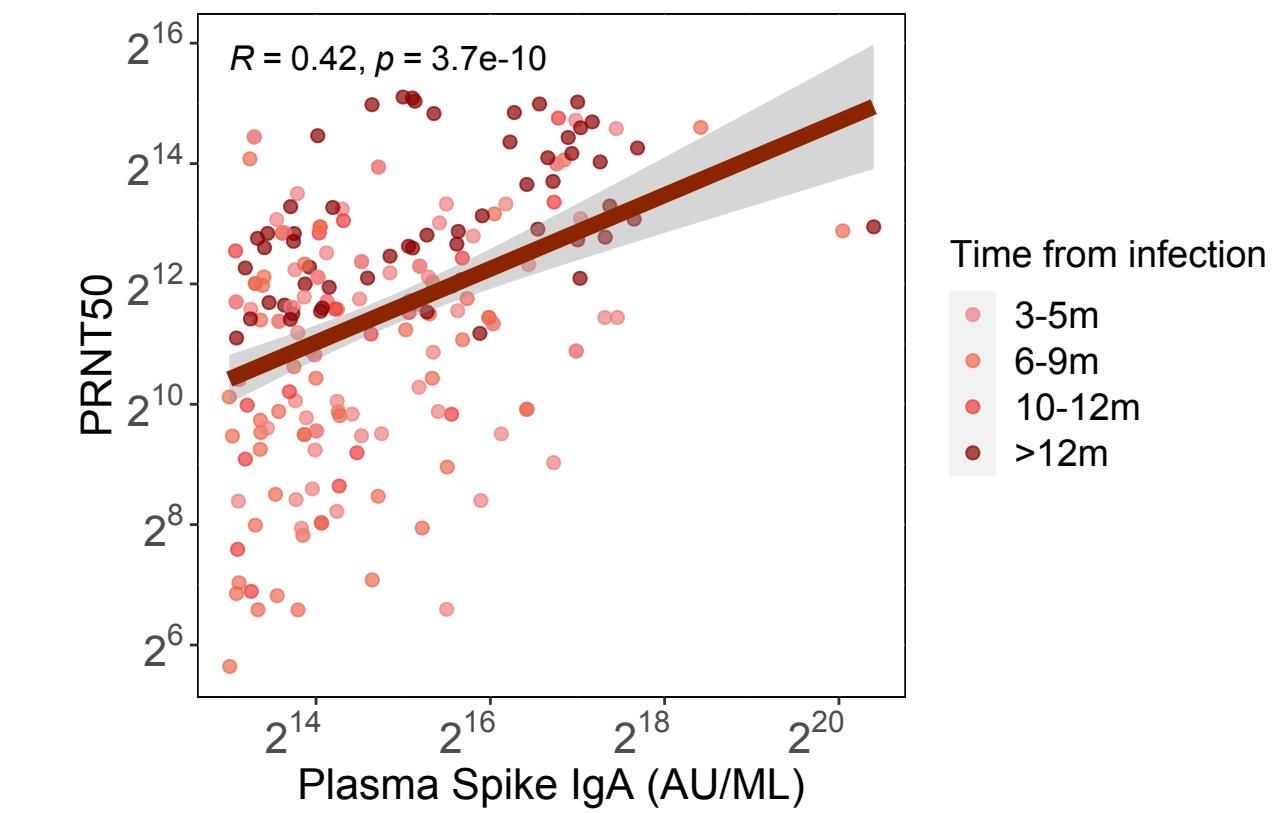
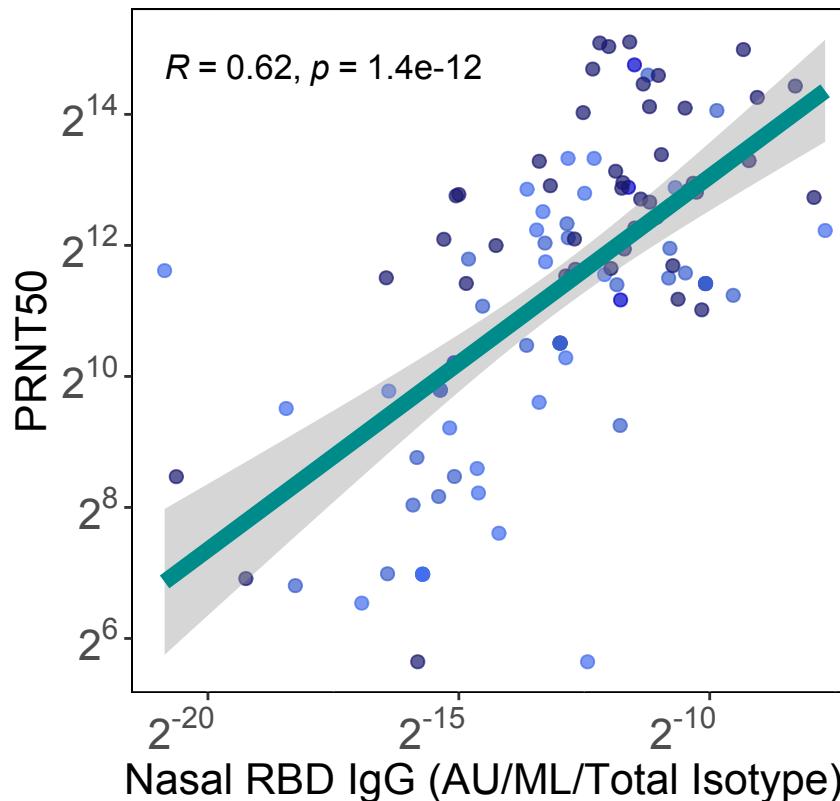
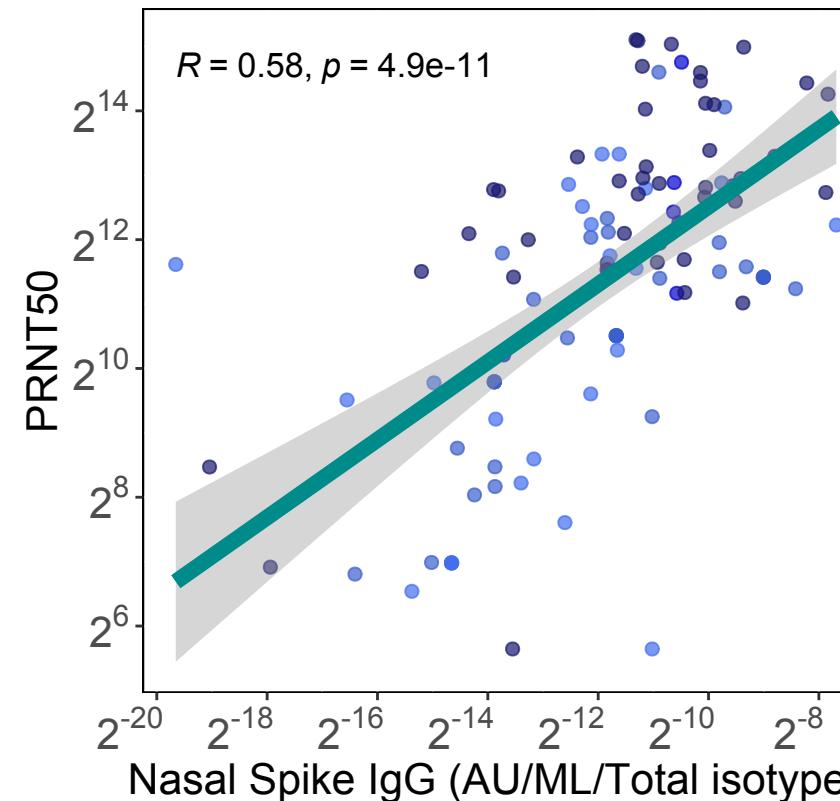
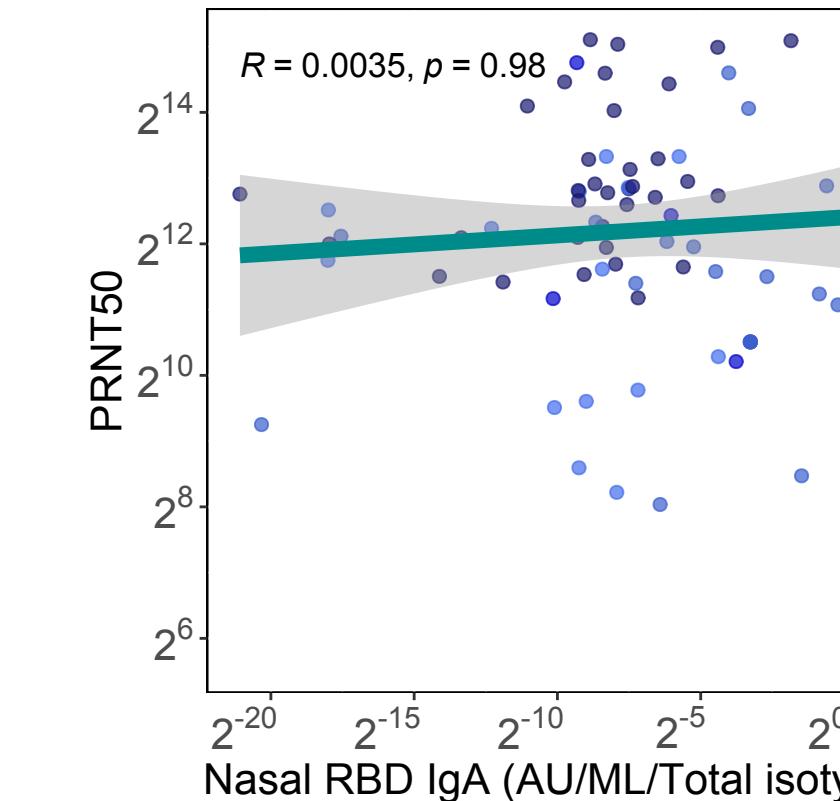
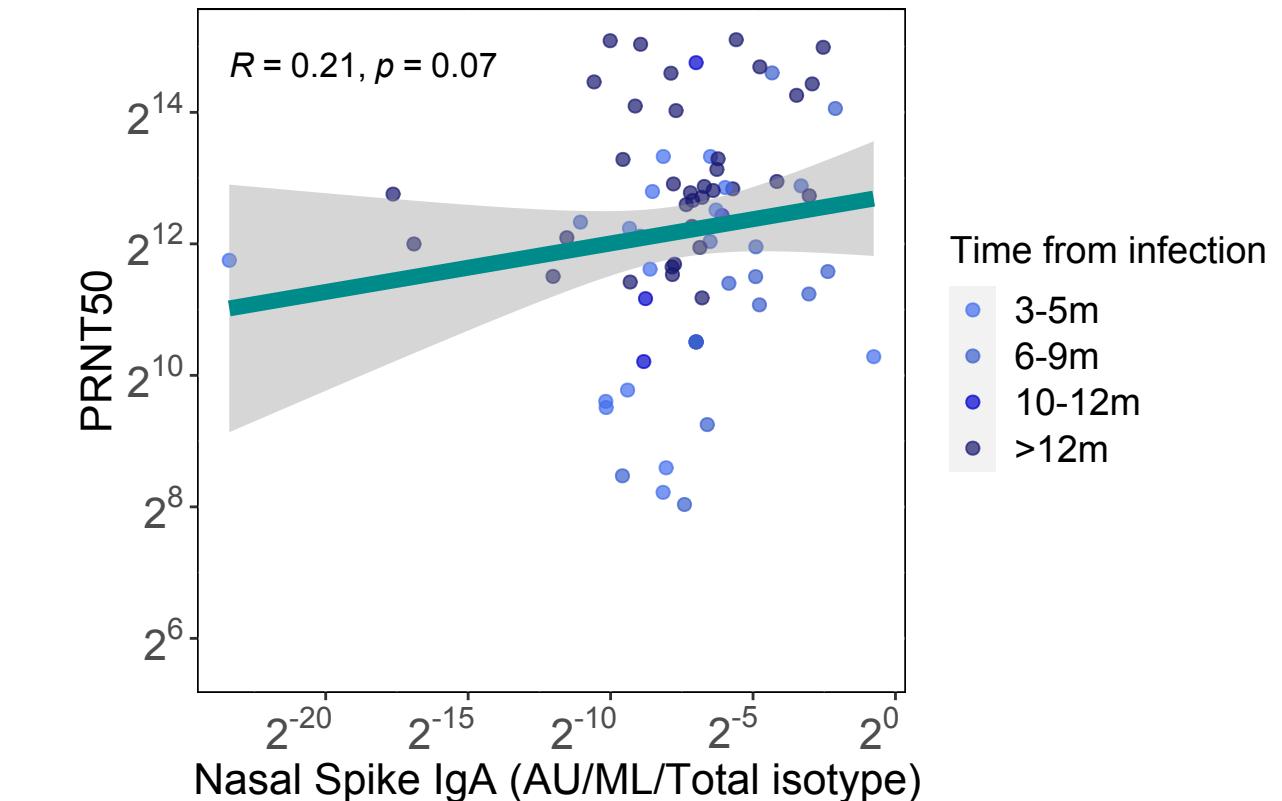


**Figure S6.**



**Figure S7.**



**Figure S8.****A****B****C****D****E****F****G****H**

**Figure S9.**

