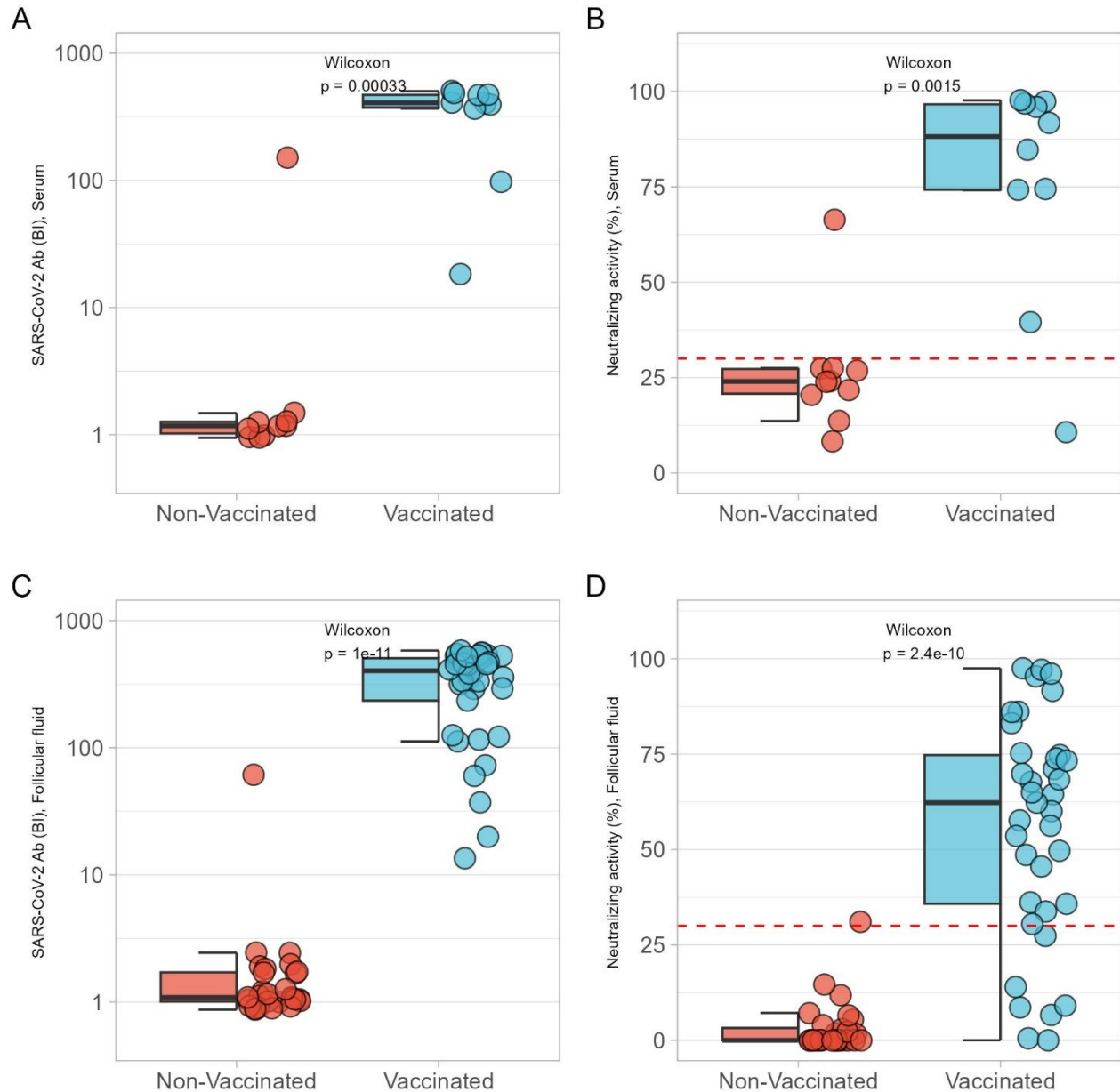


Supplementary Material SARS-CoV-2 antibodies in assisted reproduction

Supplementary Figures and Tables

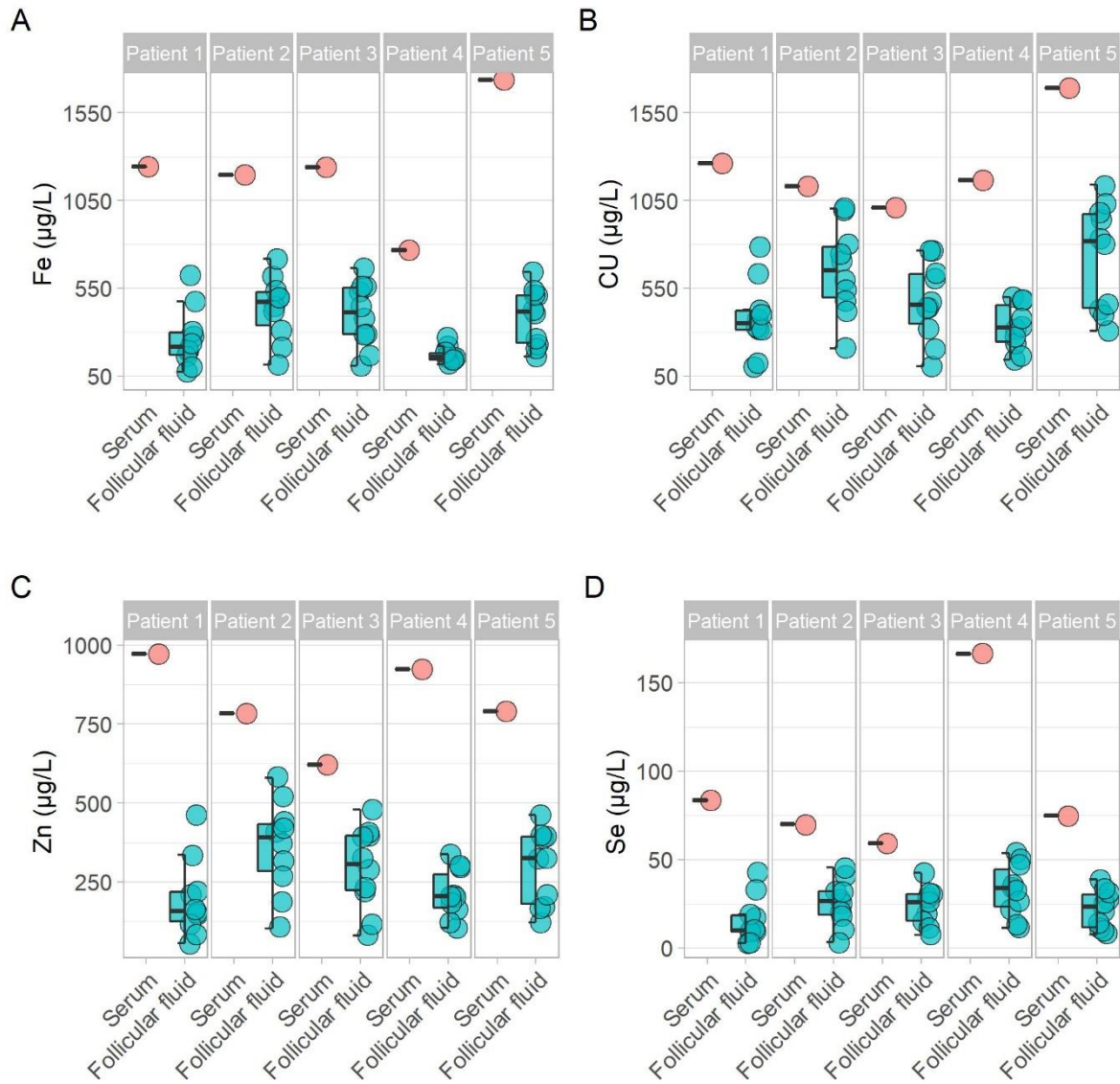


Supplementary Figure 1. Pairwise comparisons of vaccinated and non-vaccinated subjects. A Comparison of serum SARS-CoV-2 antibody titers. **B** Comparison of neutralizing activity of serum samples. **C** Comparison of SARS-CoV-2 antibody titers in follicular fluids. **D** Comparison of neutralizing activity in follicular fluids. Pairwise comparisons were conducted applying Wilcoxon rank sum test. Serum: n= 10; Follicular fluid: Non-Vaccinated: n= 28, Vaccinated: n= 37.

**Supplementary Material Free zinc and
COVID-19 vaccination**

Supplementary Table 1. Trace element status in follicular fluids of patients with ten individual samples

Variable	Vaccinated			Non-vaccinated	
	Patient 1, n = 10	Patient 2, n = 10	Patient 3, n = 10	Patient 4, n = 10	Patient 5, n = 10
Selenium (µg/L), Follicular fluid					
Median (IQR)	9.8 (9.2)	26.4 (13.3)	22.6 (17.5)	33.8 (21.0)	23.4 (18.6)
Range	2.6, 42.7	3.2, 45.4	0.0, 42.4	11.3, 53.7	7.7, 38.7
Zinc (µg/L), Follicular fluid					
Median (IQR)	158.5 (93.0)	391.0 (148.6)	306.8 (172.6)	204.8 (105.0)	325.8 (212.1)
Range	56.2, 463.2	103.9, 580.4	80.5, 480.4	105.5, 337.6	122.7, 463.0
Copper (µg/L), Follicular fluid					
Median (IQR)	351.7 (106.9)	651.6 (290.1)	455.6 (280.7)	325.8 (209.4)	815.6 (534.7)
Range	100.2, 790.4	207.2, 1,004.0	104.3, 764.8	142.3, 499.2	306.6, 1,140.0
Iron (µg/L), Follicular fluid					
Median (IQR)	215.7 (126.4)	471.0 (189.4)	412.1 (264.9)	157.6 (35.3)	416.0 (271.9)
Range	73.3, 624.8	112.5, 716.0	106.9, 665.6	118.6, 269.4	160.3, 643.8



Supplementary Figure 2. Trace element (Iron, Copper, Zinc, Selenium) titers of serum and follicular fluid is shown next to each other for each participant individually.