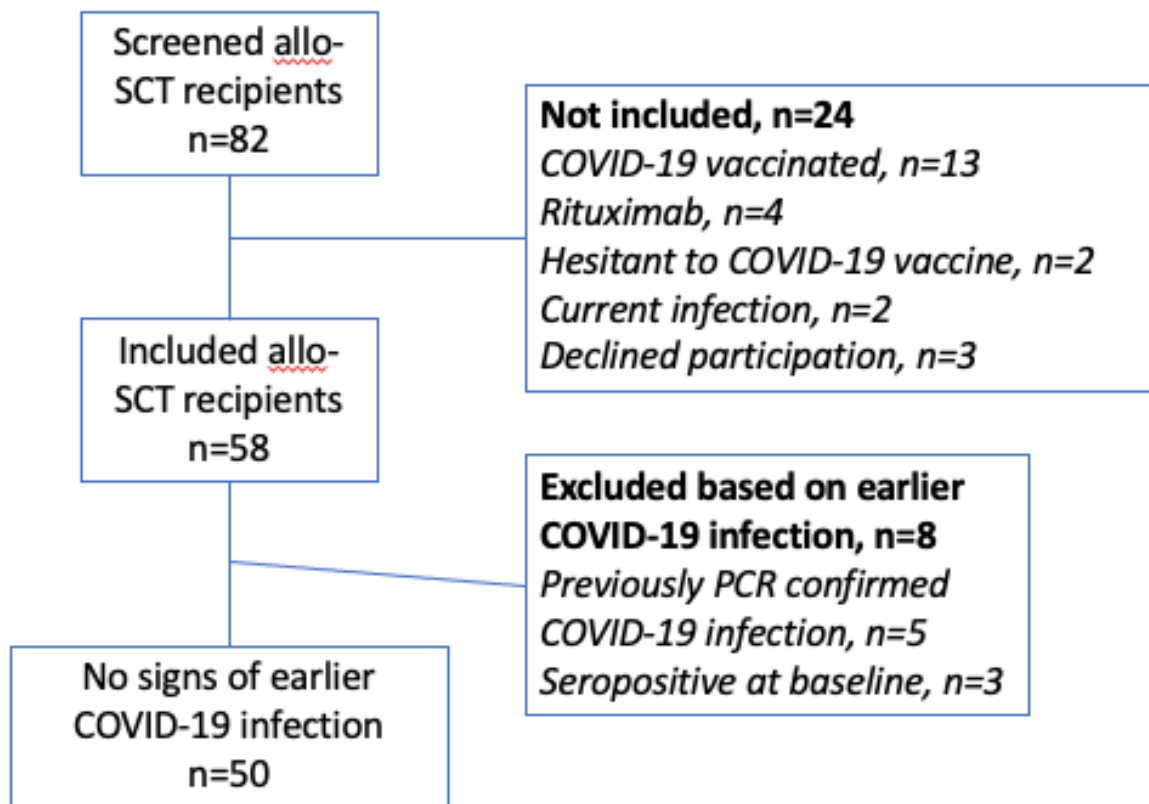
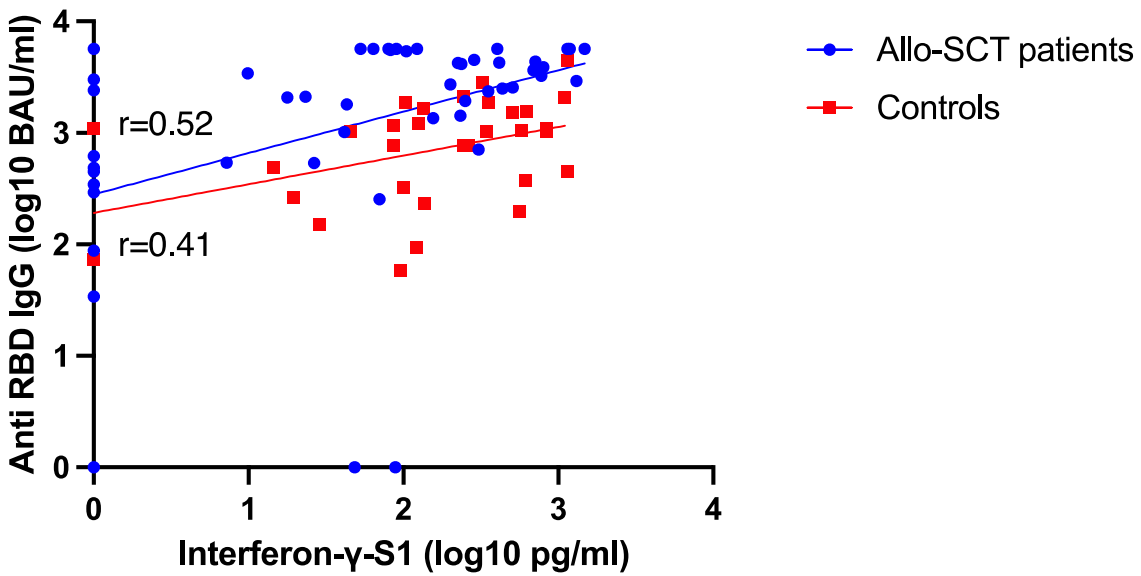


**Supplemental Figure S1.** Overview of inclusion of allo-SCT recipients.



**Supplemental Figure S2. Correlation between antibody and T cell-dependent responses.** IgG antibody levels in serum against the receptor-binding domain (RBD) plotted against T cell-mediated IFN- $\gamma$  production in supernatant plasma following stimulation of whole blood with spike 1 (S1) peptides after two doses of vaccine in allo-SCT recipients (n=49, r=0.52, p=0.001) and healthy controls (n=39, r=0.41, p=0.02).



**Supplemental Table S1.** Logistic regression of S1-IFN- $\gamma$  production using the cut-off of  $\geq 10$  pg/mL in the study population (allo-SCT recipients and healthy controls analyzed together).

	First vaccine dose				Second vaccine dose			
	OR <sup>1</sup> (95% CI)	Univariate P-value <sup>3</sup>	Adjusted OR (95% CI)	Adjusted P-value	OR (95% CI)	Univariate P-value	Adjusted OR (95% CI)	Adjusted P-value
Cohort (allo-SCT)	0.13 (0.03-0.52)	0.01	0.13 (0.03-0.52)	0.01	0.2 (0.0-0.8)	0.03	0.2 (0.0-0.8)	0.03
Sex (female)	2.2 (0.8-5.8)	0.13	-	-	1.6 (0.5-4.8)	0.41	-	-
Age (years)	0.98 (0.95-1.02)	0.38	-	-	1.0 (0.9-1.0)	0.29	-	-
Vaccine (Pfizer)	1.8 (0.6-5.3)	0.3	-	-	2.2 (0.7-7.1)	0.19	-	-
Time FU <sup>2</sup> test to vaccine 2 (days)	NA <sup>4</sup>	NA	NA	NA	1.0 (1.0-1.0)	0.43	-	-

<sup>1</sup>Odds ratio with confidence intervals (CI)

<sup>2</sup>Follow-up

<sup>3</sup>Statistics using logistic regression

<sup>4</sup>Not applicable

**Supplemental Table S2.** Logistic regression of anti-RBD-S1 IgG  $\geq 100$  BAU/mL in the whole study population (allo-SCT recipients and healthy controls analyzed together).

	First vaccine dose				Second vaccine dose			
	OR <sup>3</sup> (95% CI)	Univariate P-value <sup>4</sup>	Adjusted OR (95% CI)	Adjusted P-value <sup>4</sup>	OR (95% CI)	Univariate p-value	Adjusted OR (95% CI)	Adjusted p-value
Cohort (allo-SCT <sup>1</sup> )	0.3 (0.1-1.1)	0.07	0.3 (0.1-1.2)	0.08	0.8 (0.2-3.5)	0.73		
Sex (female)	1.6 (0.6-4.2)	0.39	–		3.9 (0.7-20.3)	0.11		
Age (years)	1.0 (0.9-1.0)	0.03	1.0 (0.9-1.0)	0.09	1.0 (0.9-1.0)	0.35		
Vaccine (Pfizer)	2.7 (0.8-8.7)	0.1	0.7 (0.1-4.1)	0.64	1.2 (0.2-6.2)	0.87		
Time FU <sup>2</sup> -test vaccine 2 (days)					1.0 (1.0-1.0)	0.07		

<sup>1</sup>Allogeneic stem cell transplantation

<sup>2</sup>Follow-up

<sup>3</sup>Odds ratio with confidence intervals (CI)

<sup>4</sup>Statistics by logistic regression