

Protein	Region	Ferretti	Le Bert	Nelde	Peng	Schulien	Shomuradova	Snyder	Tarke	Patients	Vaccine Peptides
N	100-139	●	◐	●	◐	●	-	●	●	50.9% ($n = 55$)	N ₁₀₂₋₁₂₈
N	300-339	◐	◐	●	◐	●	-	○	●	36.2% ($n = 34$)	N ₃₀₁₋₃₂₇ N ₃₀₅₋₃₃₁ N ₃₁₀₋₃₃₆ N ₃₂₄₋₃₅₀
S	1200-1228	◐	-	●	◐	◐	◐	○	◐	17.3% ($n = 14$)	S ₂₆₁₋₂₈₇
N	60-99	○	◐	●	◐	◐	-	○	◐	20.9% ($n = 19$)	
M	160-199	●	-	●	◐	-	-	○	●	57.3% ($n = 47$)	
S	240-277	●	-	●	○	-	●	○	●	71.4% ($n = 35$)	
nsp3	820-849	●	-	●	-	○	-	●	●	87.1% ($n = 27$)	
ORF3a	120-159	●	-	○	◐	●	-	○	●	30.3% ($n = 23$)	N ₃₂₄₋₃₅₀
N	211-235	◐	○	●	◐	◐	-	○	◐	39.3% ($n = 22$)	
N	340-374	●	○	●	◐	○	-	○	◐	28.6% ($n = 20$)	
ORF3a	200-239	●	-	○	◐	●	-	○	●	23.9% ($n = 16$)	
N	20-59	○	◐	●	○	○	-	○	●	40.5% ($n = 17$)	
S	861-895	○	-	○	◐	●	○	○	●	22.6% ($n = 12$)	S ₈₅₇₋₈₈₃
nsp13	387-405	◐	○	●	-	○	-	○	◐	35.7% ($n = 10$)	S ₇₈₈₋₈₁₄ S ₈₀₉₋₈₃₅
S	801-839	○	-	○	◐	-	◐	○	◐	11.8% ($n = 8$)	
S	360-399	●	-	○	◐	-	○	○	◐	15.7% ($n = 8$)	
N	240-279	○	◐	○	○	◐	-	○	◐	29.6% ($n = 8$)	
nsp12	738-750	◐	-	○	-	●	-	○	●	66.7% ($n = 8$)	
S	424-459	○	-	○	◐	-	◐	○	◐	6.7% ($n = 4$)	S ₄₄₇₋₄₇₃ S ₄₅₁₋₄₇₇
S	1171-1193	○	-	○	◐	-	◐	○	◐	5.2% ($n = 3$)	