

# Identified Spike Proteins

Bio Sample Category / Sequence Coverage	Protein	Accession Number	Bio Sample / Category	Protein Identification probability (Prob)	Exclusive unique peptide count (FPep)	Exclusive unique spectrum count (#Unique)	Total spectrum count (#Spv)	Percentage of total spectra (%Spv)	Percentage of amino acids identified (%Cov)	Protein molecular mass
<b>1_Control_Purified_Virions</b>										
	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=4 SV=1	ADATL82K9	1_Control_Purified_Virions	99%	1	1	16	0.0341%	11.5%	141 kDa
	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=4 SV=1	ADATL8AB5	1_Control_Purified_Virions	88%	0	0	8	0.0170%	2.2%	141 kDa
	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=3 SV=1	ADATG3UJL1	1_Control_Purified_Virions	98%	0	0	5	0.0106%	1.5%	141 kDa
	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=4 SV=1	ADATL9F8Z	1_Control_Purified_Virions	61%	0	0	7	0.0149%	2.9%	141 kDa
	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=3 SV=1	ADATD7LJ25	1_Control_Purified_Virions	97%	0	0	10	0.0213%	3.7%	141 kDa
	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=3 SV=1	ADATD5SMN0	1_Control_Purified_Virions	75%	0	0	5	0.0106%	4.9%	141 kDa
	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=3 SV=1	ADATD7G089	1_Control_Purified_Virions	97%	1	1	1	0.0021%	2.3%	141 kDa

<b>1_Mock_Treated_Purified_Virions</b>										
	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=4 SV=1	ADATL9W8W_NDM	1_Mock_Treated_Purified_Virions	97%	1	1	9	0.020%	12.4%	140 kDa
	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=4 SV=1	ADATL82K9	1_Mock_Treated_Purified_Virions	94%	0	0	15	0.0317%	11.5%	141 kDa
	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=4 SV=1	ADATL8AB5	1_Mock_Treated_Purified_Virions	82%	0	0	8	0.018%	2.2%	141 kDa
	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=3 SV=1	ADATG3UJL1	1_Mock_Treated_Purified_Virions	82%	0	0	4	0.0085%	1.5%	141 kDa
	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=4 SV=1	ADATL9F8Z	1_Mock_Treated_Purified_Virions	98%	1	1	9	0.020%	3.7%	141 kDa
	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=3 SV=1	ADATD7LJ25	1_Mock_Treated_Purified_Virions	92%	0	0	10	0.0212%	3.7%	141 kDa
	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=3 SV=1	ADATD5SMN0	1_Mock_Treated_Purified_Virions	90%	1	1	5	0.0106%	7.7%	141 kDa
	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=3 SV=1	ADATG1W854	1_Mock_Treated_Purified_Virions	97%	1	1	2	0.0042%	4.6%	141 kDa
	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=3 SV=1	ADATD7G089	1_Mock_Treated_Purified_Virions	86%	1	1	1	0.0021%	2.3%	141 kDa

<b>3_PNGase_F_Treated_Purified_Virions</b>										
	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=4 SV=1	ADATL9W8W_NDM	3_PNGase_F_Treated_Purified_Virions	100%	3	4	66	0.1384%	37.3%	140 kDa
	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=4 SV=1	ADATL82K9	3_PNGase_F_Treated_Purified_Virions	93%	0	0	59	0.1237%	30.7%	141 kDa
	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=4 SV=1	ADATL8AB5	3_PNGase_F_Treated_Purified_Virions	98%	0	0	37	0.0778%	14.9%	141 kDa
	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=3 SV=1	ADATG3UJL1	3_PNGase_F_Treated_Purified_Virions	100%	0	0	37	0.0778%	13.9%	141 kDa
	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=4 SV=1	ADATL9F8Z	3_PNGase_F_Treated_Purified_Virions	80%	0	0	32	0.0671%	16.3%	141 kDa
	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=3 SV=1	ADATD7LJ25	3_PNGase_F_Treated_Purified_Virions	88%	0	0	30	0.0629%	13.0%	141 kDa
	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 OR=2697049 GN=S PE=3 SV=1	ADATD5SMN0	3_PNGase_F_Treated_Purified_Virions	85%	0	0	7	0.0147%	13.5%	141 kDa

**4\_Inactivated\_PMGase-F\_Treated\_Purified\_Virions**

Accession	Protein	Accession	Protein	Count	Label	Count	Label	Count	Label	Count	Label	Count	Label
AD47820X	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 GN=5 PE=4 SV=1	AD47820X	4_Inactivated_PMGase-F_Treated_Purified_Virions	926	0	0	46	0.3078%	24.5%	143	kDa		
AD478485	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 GN=5 PE=4 SV=1	AD478485	4_Inactivated_PMGase-F_Treated_Purified_Virions	945	0	0	27	0.630%	13.5%	143	kDa		
AD478411	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 GN=5 PE=3 SV=1	AD478411	4_Inactivated_PMGase-F_Treated_Purified_Virions	945	0	0	28	0.653%	13.2%	143	kDa		
AD478782	Surface glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 GN=5 PE=4 SV=1	AD478782	4_Inactivated_PMGase-F_Treated_Purified_Virions	69%	0	0	23	0.537%	12.6%	143	kDa		
AD478715	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 GN=5 PE=3 SV=1	AD478715	4_Inactivated_PMGase-F_Treated_Purified_Virions	92%	0	0	19	0.444%	9.7%	143	kDa		
AD478580	Spike glycoprotein OS=Severe acute respiratory syndrome coronavirus 2 GN=5 PE=3 SV=1	AD478580	4_Inactivated_PMGase-F_Treated_Purified_Virions	79%	0	0	5	0.0117%	6.2%	143	kDa		

\*All identified peptides are highlighted in orange. Modified Cys residues are highlighted in green. N-Deglycosylated peptides are indicated as dark blue-lined rectangles. Identified non-N-glycosylated peptides are indicated as gray-lined rectangles.  
 \*Note: All N-linked modifications. The label annotation was manually added following the accession number of the original Sake sequence to indicate that the asparagine (N) residues were in-silico modified to aspartic acid (D) by an in-house script, to account for an experimental N-deglycosylation by PMGase-F treatment.  
 \*Note that all sequences containing NDAs do not contain the ER Signal Peptide (MFVFLVLRVSS).