

**Table 2 Amino acid sequences of SARS-CoV-2 N peptides.**

Peptide number	Amino acid start position	Sequence
1	1	MSDNGPQNQRNAPRI
2	5	GPQNQRNAPRITFGG
3	9	QRNAPRITFGGPSDS
4	13	PRITFGGPSDSTGSN
5	17	FGGPSDSTGSNQNGE
6	21	SDSTGSNQNGERSGA
7	25	GSNQNGERSGARSKQ
8	29	NGERSGARSKQRRPQ
9	33	SGARSKQRRPQGLPN
10	37	SKQRRPQGLPNNTAS
11	41	RPQGLPNNTASWFTA
12	45	LPNNTASWFTALTQH
13	49	TASWFTALTQHGKED
14	53	FTALTQHGKEDLKFP
15	57	TQHGKEDLKFPRGQG
16	61	KEDLKFPRGQGVPIN
17	65	KFPRGQGVPIINTNSS
18	69	GQGVPIINTNSSPDDQ
19	73	PINTNSSPDDQIGYY
20	77	NSSPDDQIGYYRRAT
21	81	DDQIGYYRRATTRIR
22	85	GYYRRATTRIRGGDG
23	89	RATTRIRGGDGKMKD
24	93	RIRGGDGKMKDLSR
25	97	GDGKMKDLSRWYFY
26	101	MKDLSRWYFYLLGT
27	105	SRWYFYLLGTGPEA
28	109	YFYLLGTGPEAGLPY
29	113	LGTGPEAGLPYGANK
30	117	PEAGLPYGANKDGII
31	121	LPYGANKDGIIVVAT
32	125	ANKDGIIVVATEGAL
33	129	GIIIVVATEGALNTPK
34	133	VATEGALNTPKDHIG

Peptide number	Amino acid start position	Sequence
35	137	GALNTPKDHIGTRNP
36	141	TPKDHIGTRNPANNA
37	145	HIGTRNPANNAAIVL
38	149	RNPANNAAIVLQLPQ
39	153	NNAAIVLQLPQGTTL
40	157	IVLQLPQGTTLPKGF
41	161	LPQGTTLPKGFYAEG
42	165	TTLPKGFYAEGSRGG
43	169	KGFYAEGSRGGSQAS
44	173	AEGSRGGSQASSRSS
45	177	RGGSQASSRSSRSR
46	181	QASSRSSRSRNSSR
47	185	RSSRSRNSSRNSTP
48	189	RSRNSSRNSTPGSSR
49	193	SSRNSTPGSSRGTS
50	197	STPGSSRGTS PARMA
51	201	SSRGTS PARMAGNGG
52	205	TSPARMAGNGGDAAL
53	209	RMAGNGGDAALALLL
54	213	NGGDAALALLLLDRL
55	217	AALALLLLDRLNQLE
56	221	LLLLDRLNQLESKMS
57	225	DRLNQLESKMSGKGQ
58	229	QLESKMSGKGQQQQG
59	233	KMSGKGQQQQGQTVT
60	237	KGQQQQGQTVTKKSA
61	241	QQGQTVTKKSAAEAS
62	245	TVTTKSAAEASKKPR
63	249	KSAAEASKKPRQKRT
64	253	EASKKPRQKRTATKA
65	257	KPRQKRTATKAYNVT
66	261	KRTATKAYNVTQAFG
67	265	TKAYNVTQAFGRRGP
68	269	NVTQAFGRRGPEQTQ
69	273	AFGRRGPEQTQGNFG
70	277	RGPEQTQGNFGDQEL

Peptide number	Amino acid start position	Sequence
71	281	QTQGNFGDQELIRQG
72	285	NFGDQELIRQGTDYK
73	289	QELIRQGTDYKHWPQ
74	293	RQGTDYKHWPQIAQF
75	297	DYKHWPQIAQFAPSA
76	301	WPQIAQFAPSASAFF
77	305	AQFAPSASAFFGMSR
78	309	PSASAFFGMSRIGME
79	313	AFFGMSRIGMEVTPS
80	317	MSRIGMEVTPSGTWL
81	321	GMEVTPSGTWLTYTG
82	325	TPSGTWLTYTGAIKL
83	329	TWLTYTGAIKLDDDKD
84	333	YTGAIKLDDDKDPNFK
85	337	IKLDDKDPNFKDQVI
86	341	DKDPNFKDQVILLNK
87	345	NFKDQVILLNKHIDA
88	349	QVILLNKHIDAYKTF
89	353	LNKHIDAYKTFPPTE
90	357	IDAYKTFPPTEPKKD
91	361	KTFPPTEPKKDKKKK
92	365	PTEPKKDKKKKADET
93	369	KKDKKKKADETQALP
94	373	KKKADETQALPQRQK
95	377	DETQALPQRQKKQQT
96	381	ALPQRQKKQQTVTLL
97	385	RQKKQQTVTLLPAAD
98	389	QQTVTLLPAADLDDF
99	393	TLLPAADLDDFSKQL
100	397	AADLDDFSKQLQQSM
101	401	DDFSKQLQQSMSSAD
102	405	KQLQQSMSSADSTQA