

Supplementary Table S2. Dataset of 142 PTMs. PTM sites are listed according to the species, protein and PTM type, the corresponding references are shown in the last column.

Species	Protein	PTM	Sites	References
Alphacoronavirus 1	N	Phosphorylation	S9, S156, S254, S256	[17]
Murine coronavirus	E	Palmitoylation	C40, C44, C47	[18,19]
	M	O-Glycosylation	T5	[20]
	N	Phosphorylation	S170, T177, S197	[21,22]
Severe acute respiratory syndrome-related coronavirus	S	N-Glycosylation	N109, N118, N119, N158, N227, N318, N330, N357, N589, N699 N783, N1056, N1080, N1140, N1155, N1176	[23,24,25] [23,24,25]
	E	N-Glycosylation	N66	[26]
	E	Palmitoylation	C40, C43, C44	[27]
	M	N-Glycosylation	N4	[28]
	N	Phosphorylation	S177, S189, S207	[22,29]
	N	Sumoylation	K62	[30]
Severe acute respiratory syndrome coronavirus 2	S	N-Glycosylation	N17, N61, N74, N122, N149, N165, N234, N282, N331, N334 N343, N603, N616, N657, N709, N717, N801, N1074, N1098, N1134 N1158, N1173, N1194	[31-35] [31-35] [31-35]
	S	O-Glycosylation	T323, S325, T676, T678	[33,36,37]
	S	Methylation	R78, E224, E340, E654, E661	[35]
	S	Palmitoylation	C1235, C1236, C1240, C1241, C1243, C1247, C1248, C1250, C1253, C1254	[38]
	S	Phosphorylation	T29, S31, T240, S349, S459, S637, S640, Y789, T791, S816 S1161, S1196, S1261	[39] [39]
	M	Phosphorylation	T208, S211, S212, S213, S214	[39,40,41]
	N	Phosphorylation	S2, S23, T24, S26, T76, S78, S79, S105, T141, T166 S176, S180, S183, S184, S194, S197, T198, S201, S202, T205 S206, T391, T393, S410, S412	[39,40,41,42] [39,40,41,42] [39,40,41,42]
	N	N-Glycosylation	N47, N269	[42]
	N	O-Glycosylation	T148, T165, T166, T205, S206, T391, S404	[42]
Avian coronavirus	S	N-Glycosylation	N212, N237, N247, N276, N513, N591, N1051, N1074	[43]
	N	Phosphorylation	S190, S192, T378, S379	[44]