

**Supplementary Table 1: Coordinates and sizes of the ORFs of HCoV-NL63**

Gene	Start	Stop	Length (bp)	Length (a.a.)	Frame
1a	287	12439	12153	4050	+2
1b	12439	20475	8037	2678	+1
S	20472	24542	4071	1356	+3
ORF 3	24542	25219	678	225	+2
E	25200	25433	234	77	+3
M	25442	26122	681	226	+2
N	26133	27266	1134	377	+3