

Structure of Main Protease from Human Coronavirus NL63: Insights for Wide Spectrum Anti-Coronavirus Drug Design

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Table S1. Name, NCBI accession number, and country of isolation of 30 NL63 clinical strains with complete genome sequence available.

No.	Strain name	NCBI accession number	Country of isolation
1	Amsterdam I	NC_005831	The Netherlands
2	Amsterdam 057	DQ445911	The Netherlands
3	Amsterdam 496	DQ445912	The Netherlands
4	CBJ 037	JX104161	China
5	CBJ 123	JX524171	China
6	RPTEC/2004	JX504050	United States
7	USA/838-9/1983	KF530110	United States
8	USA/8712-17/1987	KF530106	United States
9	USA/891-4/1989	KF530114	United States
10	USA/891-6/1989	KF530108	United States
11	USA/901-24/1990	KF530111	United States
12	USA/903-28/1990	KF530109	United States
13	USA/904-20/1990	KF530104	United States
14	USA/905-25/1990	KF530113	United States
15	USA/911-56/1991	KF530107	United States
16	USA/0111-25/2001	KF530112	United States
17	USA/012-31/2001	KF530105	United States
18	DEN/2005/193	JQ765568	United States
19	DEN/2005/232	JQ765569	United States
20	DEN/2005/235	JQ765570	United States
21	DEN/2005/271	JQ765571	United States
22	DEN/2005/347	JQ765572	United States
23	DEN/2005/1062	JQ765573	United States
24	DEN/2005/1862	JQ765574	United States
25	DEN/2005/1876	JQ765575	United States
26	DEN/2009/9	JQ765563	United States
27	DEN/2009/14	JQ765564	United States
28	DEN/2009/15	JQ765565	United States
29	DEN/2008/16	JQ765566	United States
30	DEN/2009/20	JQ765567	United States

Figure S1. Sequence alignment of M^{pro} from 30 NL63 clinical strains listed in Table S1. Sequence alignment was performed using ClustalW2, and figure was generated using ESPript 3.0.

NC_005831_Amsterdam-I
DQ445911_Amsterdam-057
DQ445912_Amsterdam-496
JX104161_CBJ-037
JX524171_CBJ-123
JX504050_RPTEC/2004
KF530110_USA/838-9/1983
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KF530108_USA/891-6/1989
KF530111_USA/901-24/1990
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KF530113_USA/905-25/1990
KF530107_USA/911-56/1991
KF530112_USA/0111-25/2001
KF530105_USA/012-31/2001
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JQ765569_DEN/2005/232
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JQ765564_DEN/2009/14
JQ765565_DEN/2009/15
JQ765566_DEN/2008/16
JQ765567_DEN/2009/20

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JQ765564_DEN/2009/14
JQ765565_DEN/2009/15
JQ765566_DEN/2008/16
JQ765567_DEN/2009/20

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JX524171_CBJ-123	NGACGSPGYNVRNDGTVEFCYLHQIELGSGAHVGSDF TGSVYGNFDDQPSLQVESANLMLSDNVVAFLYA						
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DQ445911_Amsterdam-057	ALLNGCRWWL RSTRVNVDFGFNEWAMANGYTSVSSVECYSI LAAKTGVSV EQLLASIQHLHEGFGGKNILG						
DQ445912_Amsterdam-496	ALLNGCRWWL RSTRVNVDFGFNEWAMANGYTSVSSVECYSI LAAKTGVSV EQLLASIQHLHEGFGGKNILG						
JX104161_CBJ-037	ALLNGCRWWL RSTRVNVDFGFNEWAMANGYTSVSSVECYSI LAAKTGVSV EQLLASIQHLHEGFGGKNILG						
JX524171_CBJ-123	ALLNGCRWWL RSTRVNVDFGFNEWAMANGYTSVSSVECYSI LAAKTGVSV EQLLASIQHLHEGFGGKNILG						
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KF530110_USA/838-9/1983	ALLNGCRWWL RSTRVNVDFGFNEWAMANGYTSVSSVECYSI LAAKTGVSV EQLLASIQHLHEGFGGKNILG						
KF530106_USA/8712-17/1987	ALLNGCRWWL RSTRVNVDFGFNEWAMANGYTSVSSVECYSI LAAKTGVSV EQLLASIQHLHEGFGGKNILG						
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KF530108_USA/891-6/1989	ALLNGCRWWL RSTRVNVDFGFNEWAMANGYTSVSSVECYSI LAAKTGVSV EQLLASIQHLHEGFGGKNILG						
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JQ765567_DEN/2009/20

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