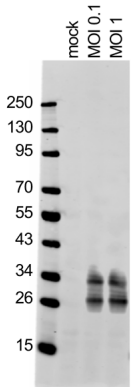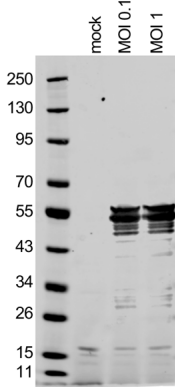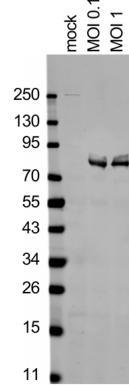**Figure 2D ORF3a**

Figure 2D N

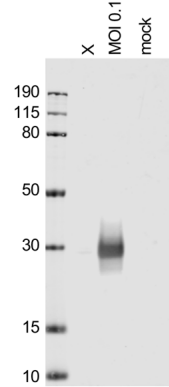**Figure 2D nsp2**

Figure 2D β-actin
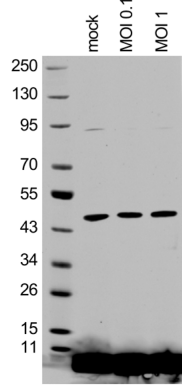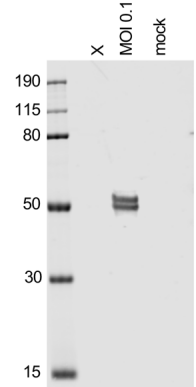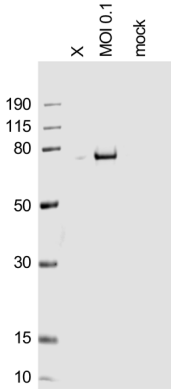
Figure 2E ORF3a

Figure 2E N

Figure 2E nsp2

Figure 2G ORF3a
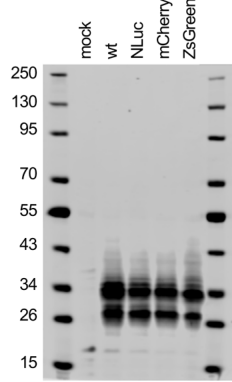
Figure 2G N
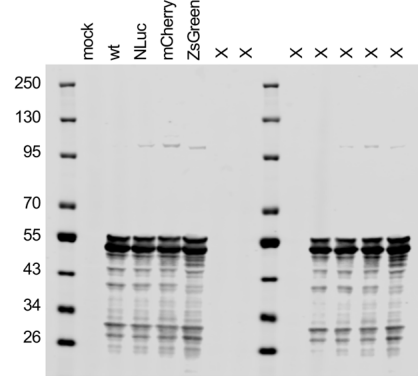
Figure 2G nsp2
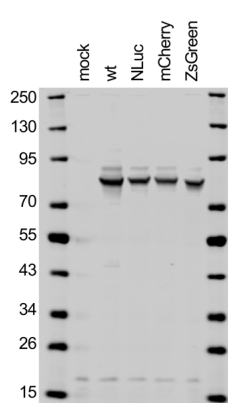
Figure 2G actin
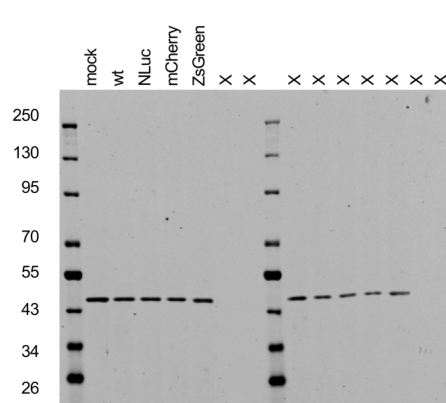
Figure 3A
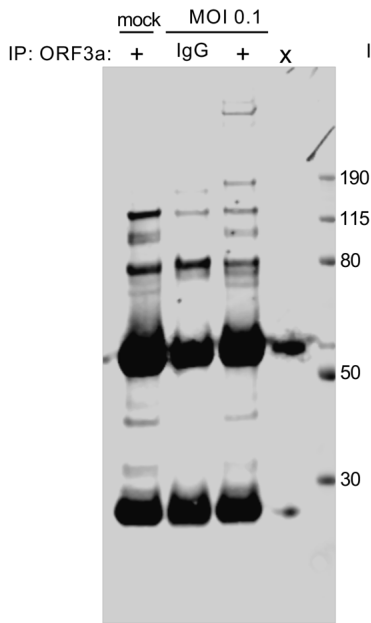
mock | MOI 0.1

IP: ORF3a: + | IgG + | x

— 190
— 115
— 80
— 50
— 30

Figure 3A

mock | MOI 0.1

IB: ORF3a: + | IgG + | x

190
115
80
50
30

Figure 3B

mock | MOI 0.1

IP: nsp13: + | IgG +

190
115
80
50
30

Figure 3B

mock | MOI 0.1

IB: nsp13: + | IgG +

190
115
80
50
30

Figure 3C

mock | MOI 0.1

IP: N: + | IgG +

190
115
80
50
30
15

Figure 3C

mock | MOI 0.1

IB: N: + | IgG +

190
115
80
50
30
15

Figure 4B

ACE2

actin

TMPRSS2

actin

ORF6 (~6 kDa)

ORF8 (~12 kDa)

ORF9a (~10 kDa)

ORF10 (~4 kDa)

nsp10 (~14 kDa)

ORF7b (~4 kDa)

nsp7 (~8 kDa)

nsp9 (~11 kDa)

ORF3b (~15 kDa)

ORF9b (~7 kDa)

ORF3a (~28 kDa)

nsp1 (~18 kDa)

nsp2 (~64 kDa)

M (~22 kDa)

E (~7.5 kDa)

nsp8 (~20 kDa)

nsp13 (~60 kDa)

nsp14 (~53 kDa)

nsp16 (~30 kDa)

N (~42 kDa)
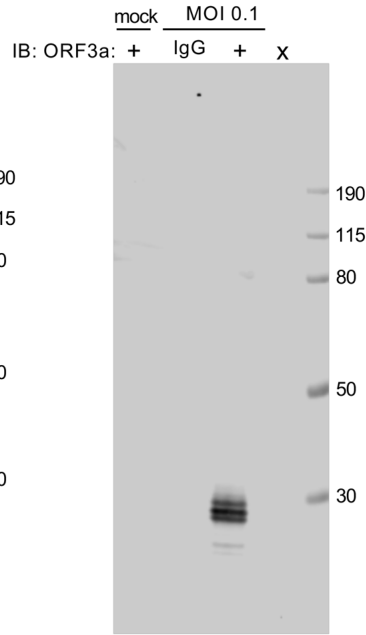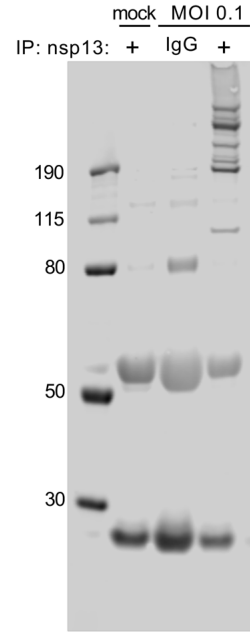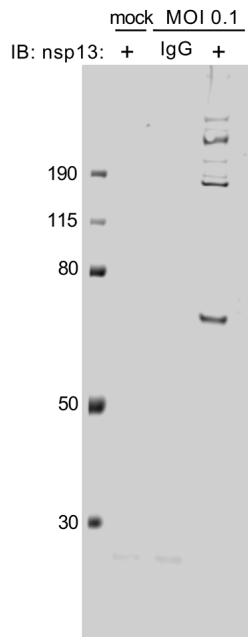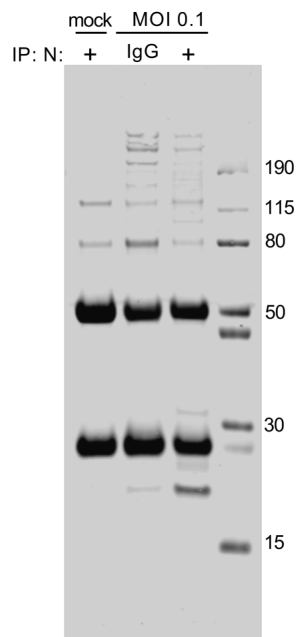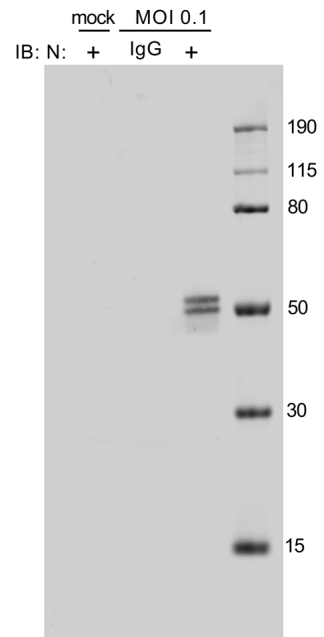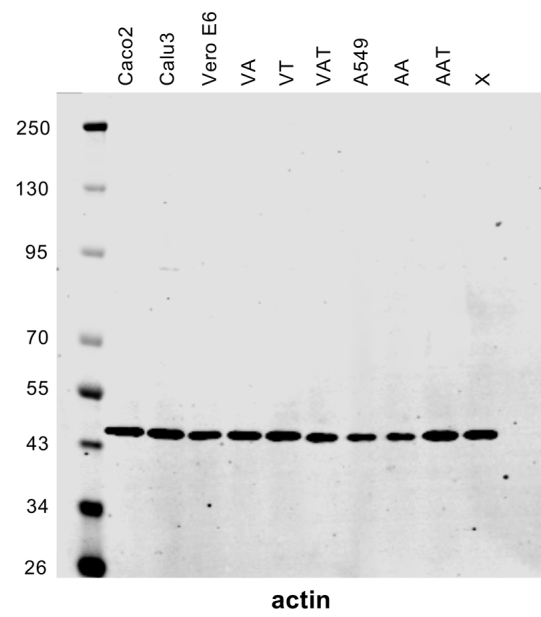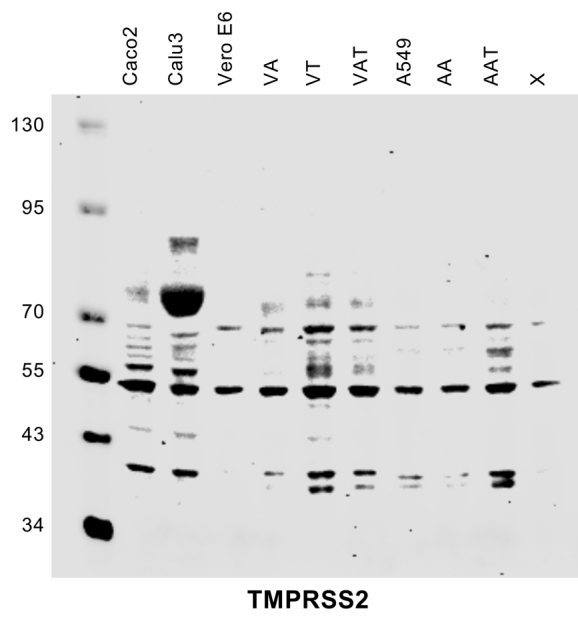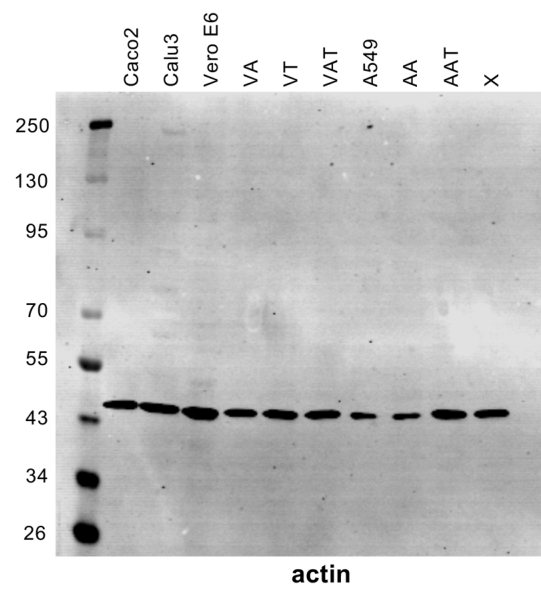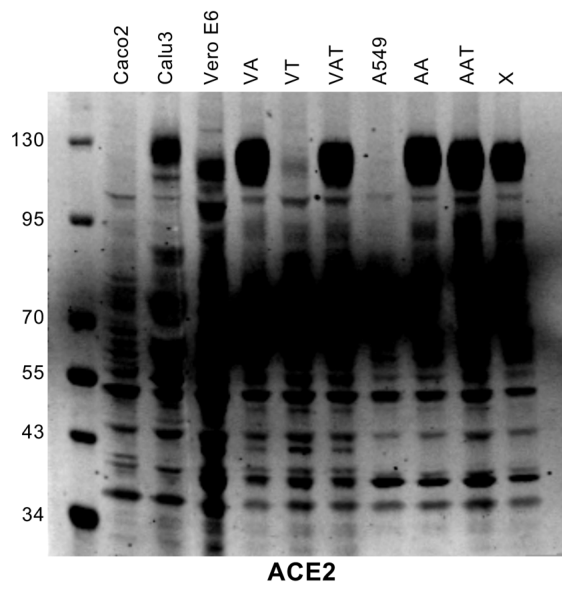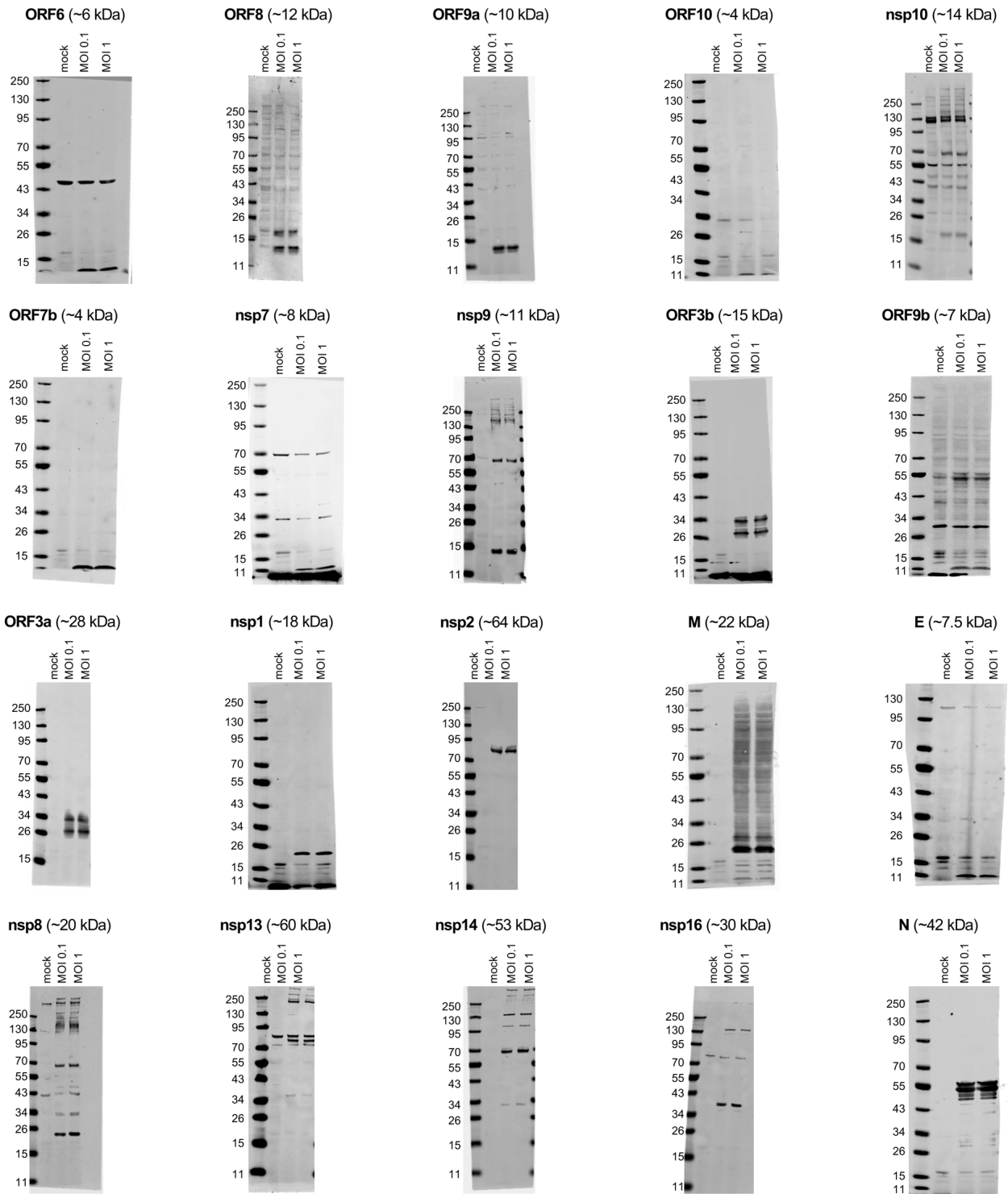
nsp5 (~30 kDa)
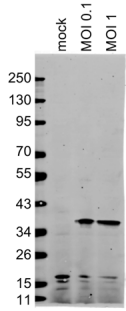
nsp11/12 (~94 kDa)
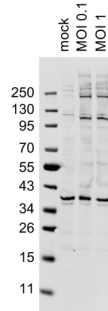
nsp15 (~35 kDa)
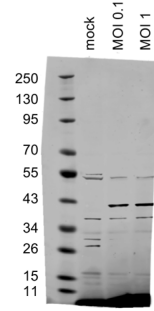
S (~127 kDa)
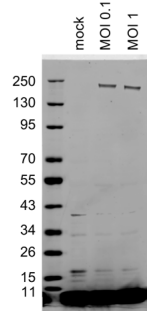
ORF7a (~12 kDa)
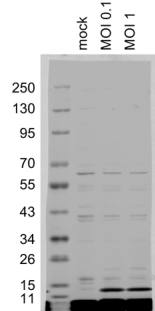
S-RBD
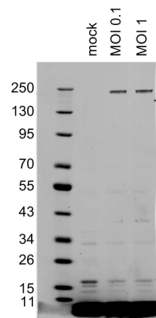
nsp3 (~195 kDa)

actin (45 kDa)

S4 Fig.

A

SARS-CoV N (~42 kDa)

MERS-CoV N (~42 kDa)

229e N (~42 kDa)

OC43 N (~42 kDa)

B

SARS-CoV N (~42 kDa)

IP: SARS-CoV N
IB: SARS-CoV N-Biotin

MERS-CoV N (~42 kDa)

IP: MERS-CoV N
IB: MERS-CoV N-Biotin

IP: MERS-CoV N
IB: SARS-CoV-2 N Biotin

229E N (~39 kDa)

IP: 229E N
IB: 229E N-Biotin

IP: 229E N
IB: SARS-CoV-2 N Biotin

OC43 N (~45 kDa)

IP: OC43 N
IB: OC43 N-Biotin

IP: OC43 N
IB: SARS-CoV-2 N Biotin

C

SARS-CoV E (~8 kDa)

IP: SARS-CoV E
IB: SARS-CoV E-Biotin

MERS-CoV E (~8 kDa)

IP: MERS-CoV E
IB: MERS-CoV E-Biotin

D

MERS CoV E (~8 kDa)

SARS-CoV E (~8kDa)

ORF6 (~6 kDa)
IP: ORF6
IB: ORF6-Biotin

ORF8 (~12 kDa)
IP: ORF8
IB: ORF8-Biotin

ORF9a (~10 kDa)
IP: ORF9a
IB: ORF9a-Biotin

ORF10 (~4 kDa)
IP: ORF10
IB: ORF10-Biotin

nsp10 (~14 kDa)
IP: nsp10
IB: nsp10-Biotin

ORF7b (~4 kDa)
IP: ORF7b
IB: ORF7b-Biotin

nsp7 (~8 kDa)
IP: nsp7
IB: nsp7-Biotin

nsp9 (~11 kDa)
IP: nsp9
IB: nsp9-Biotin

ORF3b (~15 kDa)
IP: ORF3b
IB: ORF3b-Biotin

ORF9b (~7 kDa)
IP: ORF9b
IB: ORF9b-Biotin

ORF3a (~28 kDa)
IP: ORF3a
IB: ORF3a-Biotin

nsp1 (~18 kDa)
IP: nsp1
IB: nsp1-Biotin

nsp2 (~64 kDa)
IP: nsp2
IB: nsp2-Biotin

M (~22 kDa)
IP: M
IB: M-Biotin

E (~7.5 kDa)
no specific bands
IP: E
IB: E-Biotin

nsp8 (~20 kDa)
IP: nsp8
IB: nsp8-Biotin

nsp13 (~60 kDa)
IP: nsp13
IB: nsp13-Biotin

nsp14 (~53 kDa)
IP: nsp14
IB: nsp14-Biotin

nsp16 (~30 kDa)
IP: nsp16
IB: nsp16-Biotin

N (~42 kDa)
IP: N
IB: N-Biotin

nsp5 (~30 kDa)

MOI

0.1 mock

190
115
80

50

30

15

IP: nsp5
IB: nsp5-Biotin

nsp11/12 (~94 kDa)

MOI

0.1 mock

190
115
80

50

30

15

IP: nsp11/12
IB: nsp11/12-Biotin

nsp15 (~35 kDa)

MOI

0.1 mock

190
115
80

50

30

IP: nsp15
IB: nsp15-Biotin

S (~127 kDa)

MOI

0.1 mock

190
115
80

50

30

15

IP: S
IB: S-Biotin

ORF7a (~12 kDa)

MOI

0.1 mock

190
115
80

50

30

15
10

IP: ORF7a
IB: ORF7a-Biotin

S-RBD

MOI

0.1 mock

190
115
80

50

30

15
10

IP: S-RBD
IB: S-RBD-Biotin

nsp3 (~195 kDa)

MOI

0.1 mock

190
115
80

50

30

15
10

IP: nsp3
IB: nsp3-Biotin