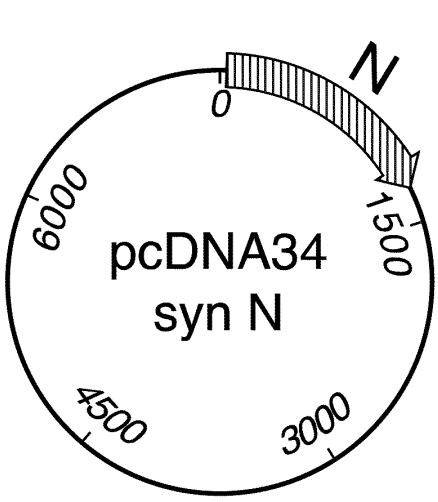
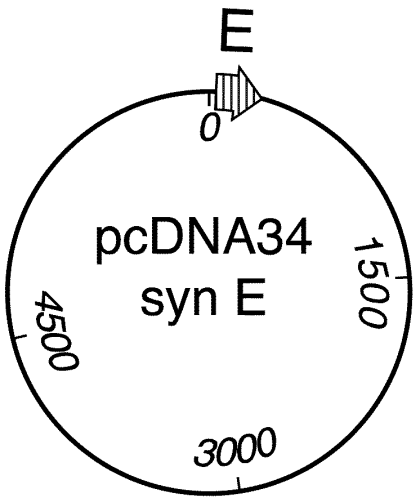
Figures

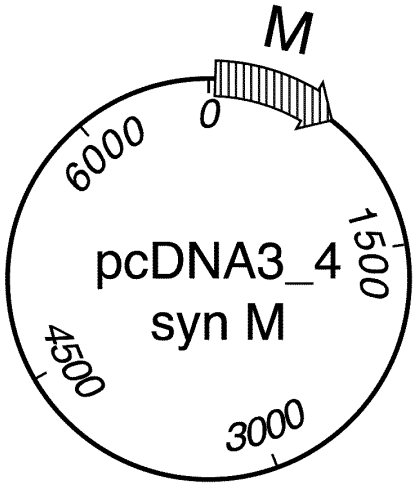
Figure 1



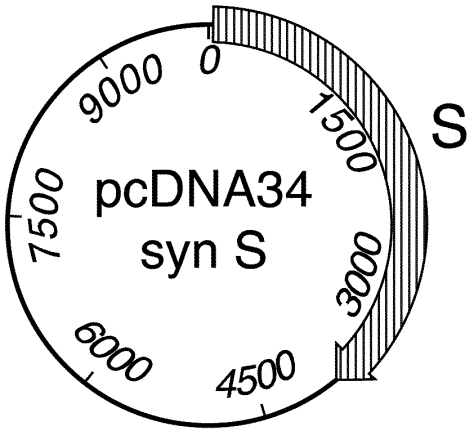
SEQ. ID. 35



SEQ. ID. 36

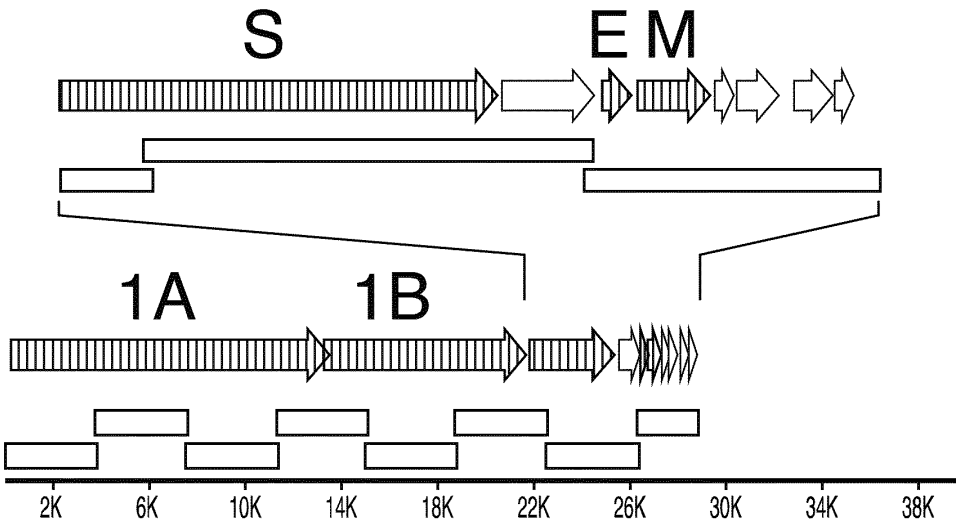


SEQ. ID. 37

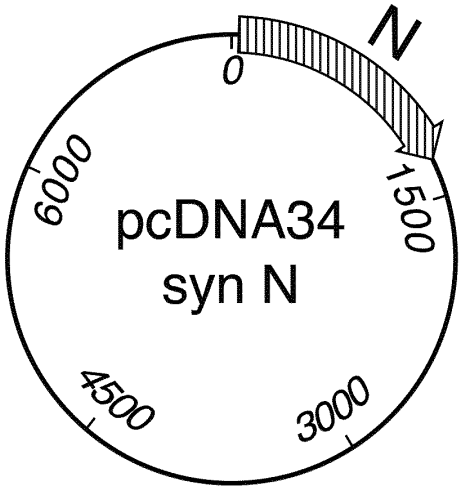


SEQ. ID. 38

Figure 2



COVAX191ΔN, SEQ.ID. 33 and 39



SEQ.ID. 35

Figure 3

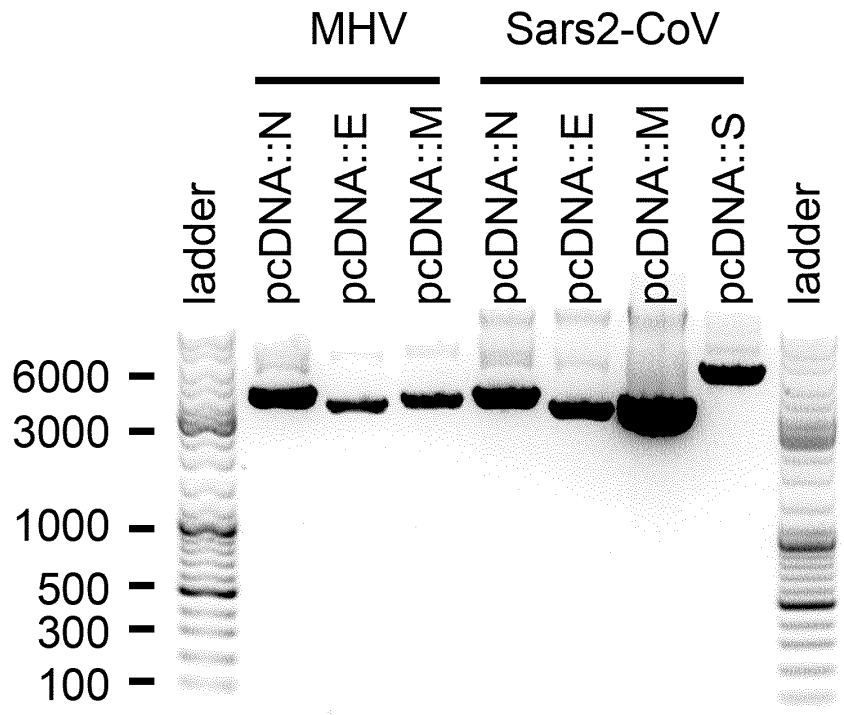

MHV
Sars2-CoV
ladder
pcDNA::N
pcDNA::E
pcDNA::M
pcDNA::N
pcDNA::E
pcDNA::M
pcDNA::S
ladder
6000
3000
1000
500
300
100

Figure 4

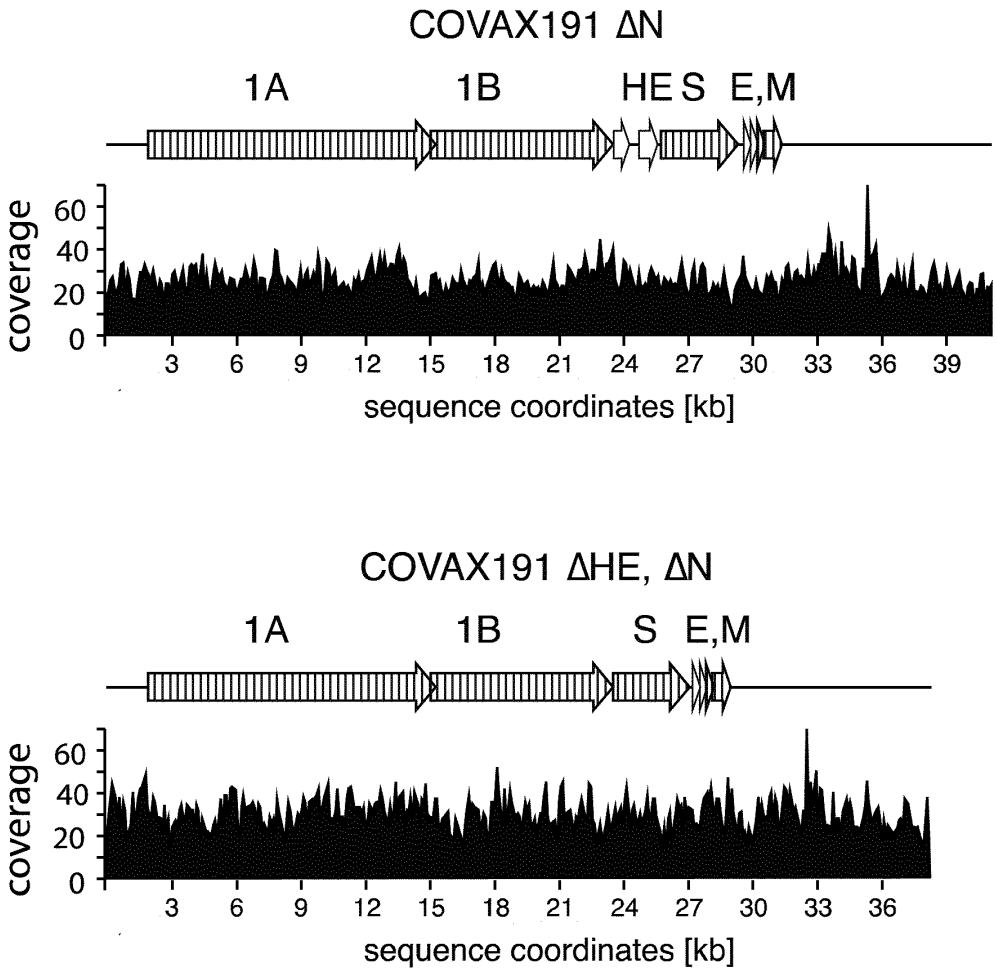

COVAX191 ΔN
1A
1B
HE S E,M
coverage
60
40
20
0
3 6 9 12 15 18 21 24 27 30 33 36 39
sequence coordinates [kb]
COVAX191 ΔHE, ΔN
1A
1B
S E,M
coverage
60
40
20
0
3 6 9 12 15 18 21 24 27 30 33 36
sequence coordinates [kb]

Figure 5

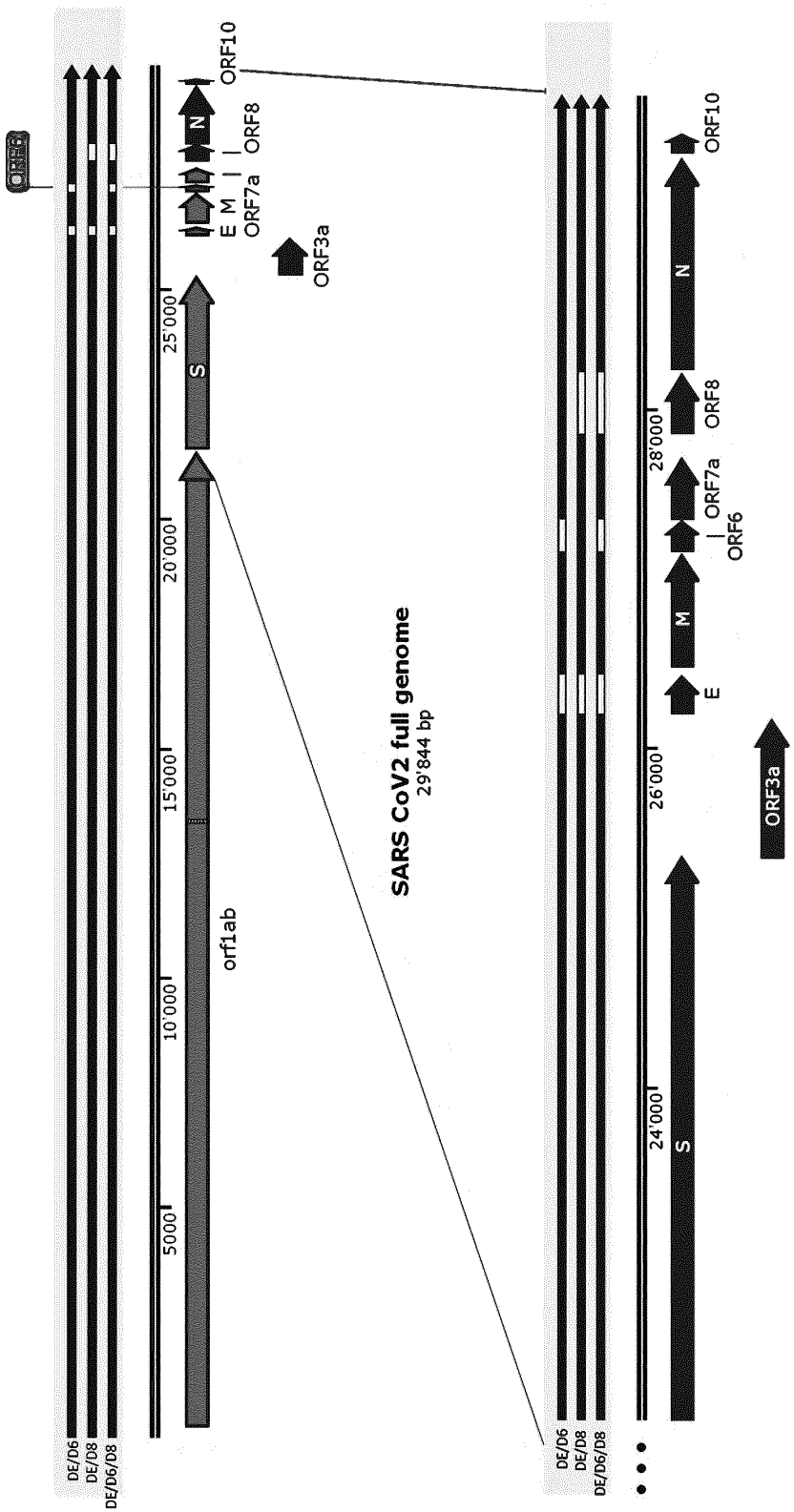

SARS CoV2 full genome
29'844 bp
DE/D6
DE/D8
DE/D6/D8
5000
10'000
15'000
20'000
25'000
orf1ab
S
E M
ORF7a
N
ORF8
ORF10
ORF3a
24'000
26'000
28'000
S
E
M
ORF7a
ORF6
N
ORF8
ORF10
ORF3a

Table S1

Table S1. DNA Assembly Effizienz von COVAX191 in *S. cerevisiae*

Assembly Reaction	Replikat	Anzahl DNA Parts	Kolonien Anzahl
pMR10Y::COVAX191Δ*N*	A	6	230
pMR10Y::COVAX191Δ*N*	B	6	344
pMR10Y::COVAX191Δ*HE,* Δ*N*	A	6	640
pMR10Y::COVAX191Δ*HE,* Δ*N*	B	6	716
control, pMR10Y::COVAX191Δ*N*	A	1	1
control, pMR10Y::COVAX191Δ*N*	B	1	0
control, pMR10Y::COVAX191Δ*HE*, Δ*N*	A	1	0
control, pMR10Y::COVAX191Δ*HE*, Δ*N*	B	1	0