

## Online supplement

### Legend of Supplementary Figures

**Supplementary Figure 1:** All of the mutations/deletions (compared to Wuhan wild type) that characterize each of the clusters, along with their associated phylogeny.

**Supplementary Figure 2:** Overall SARS-CoV-2 phylogeny, with the sequences from this manuscript highlighted as maroon points.

**Supplementary Table 1: RT-PCR and IgG anti-SARS CoV-2 results (Day 1 = 12/4/2021 (Day of arrival in Belgium))**

House	PCR					Phylogenetic analysis	IgG anti-N (S/CO)	IgG anti-S (AU/mL)	Vaccination
	Day 6 -7	Day 9-10	Day 15	Day 18	Day 24		Day 15	Day 15	
A	Neg	<b>Strong</b> Ct 19.9	<b>Very strong</b> Ct 14.2	<b>Moderate</b> Ct 21.9	<b>Moderate</b> Ct 27.9	Cluster 1	Neg	Neg	
A	Neg	<b>Strong</b> Ct 17.6	<b>Moderate</b> Ct 23.0	<i>Weak</i> Ct 29.0	<i>Weak</i> Ct 29.4	Cluster 1	Neg	Neg	
A	Neg	<b>Strong</b> Ct 18.8	<b>Strong</b> Ct 17.0	<b>Moderate</b> Ct 24.1	<b>Moderate</b> Ct 25.5	Cluster 1	Neg	Neg	
A	Neg	<b>Strong</b> Ct 19.4	<b>Strong</b> Ct 18.2	<b>Moderate</b> Ct 25.9	<b>Moderate</b> Ct 27.1	Cluster 1	Neg	Neg	
A	<b>Strong</b> Ct 21.2	/	<i>Weak</i> Ct 29.5	Neg	<i>Weak</i> Ct 30.6	Cluster 1	<b>Positive (1.54)</b>	<b>Positive (423)</b>	
A	Neg	/	<b>Strong</b> Ct 17.2	<b>Strong</b> Ct 18.1	<b>Moderate</b> Ct 25.5	Cluster 1	Neg	Neg	
A	Neg	/	<b>Very strong</b> Ct 14.2	<b>Moderate</b> Ct 23.6	<i>Weak</i> Ct 28.5	Cluster 1	Neg	Neg	

A	Neg	/	<b>Very strong</b> Ct 14.1	<b>Moderate</b> Ct 22.9	<b>Moderate</b> Ct 26.3	Cluster 1	Neg	Neg	
A	Neg	/	Neg	Neg	<i>Weak</i> Ct 31.6	Untypeable	<b>Positive</b> <b>(2.05)</b>	<b>Positive</b> <b>(51769)</b>	<b>2x Pfizer</b>
B	Neg	<b>Strong</b> Ct 19.3	<b>Strong</b> Ct 19.1	<i>Weak</i> Ct 29.3	<i>Weak</i> Ct 32.2	Cluster 2	Neg	Neg	
B	<b>Strong</b> Ct 20.5	/	<b>Moderate</b> Ct 26.7	<i>Weak</i> Ct 30.3	<i>Weak</i> Ct 29.9	Cluster 2	<b>Grey zone</b> <b>(0.98)</b>	<b>Positive</b> <b>(67716)</b>	<b>2x Covishield</b>
B	Neg	<b>Strong</b> Ct 17.5	<b>Moderate</b> Ct 23.2	<i>Weak</i> Ct 28.7	<i>Weak</i> Ct 30.1	Cluster 2	Neg	Neg	
B	Neg	<b>Strong</b> Ct 18.7	<b>Strong</b> Ct 19.0	<b>Strong</b> Ct 21.0	<b>Moderate</b> Ct 26.2	Cluster 2	Neg	Neg	
B	<i>Weak</i> Ct 36.3	/	<b>Moderate</b> Ct 24.9	<i>Weak</i> Ct 29.6	<b>Moderate</b> Ct 27.0	Cluster 2	Neg	Neg	
B	Neg	/	<b>Very strong</b> Ct 13.7	<b>Strong</b> Ct 20.8	<b>Moderate</b> Ct 27.7	Cluster 2	Neg	<b>Positive</b> <b>(23055)</b>	<b>2x Pfizer</b>
B	Neg	/	<b>Moderate</b> Ct 24.0	<i>Weak</i> Ct 33.2	<i>Weak</i> Ct 30.4	Cluster 2	Neg	Neg	<b>1x Pfizer</b>
B	<i>Weak</i> Ct 31.2	/	<b>Strong</b> Ct 21.0	<i>Weak</i> Ct 29.0	<i>Weak</i> Ct 33.6	Cluster 2	<b>Positive</b> <b>(4.09)</b>	<b>Positive</b> <b>(1762)</b>	
B	Neg	/	<i>Weak</i> Ct 30.1	Neg	Neg	Untypeable	Neg	Neg	
G=>C	<i>Weak</i> Ct 31.6	/	<i>Weak</i> Ct 30.4	<i>Weak</i> Ct 31.1	<i>Weak</i> Ct 31.8	Untypeable	<b>Positive</b> <b>(5.78)</b>	<b>Positive</b> <b>(5588)</b>	
C	<b>Very strong</b> Ct 9.9	/	<b>Moderate</b> Ct 23.6	<b>Moderate</b> Ct 25.9	<b>Moderate</b> Ct 27.6	Cluster 2	<b>Positive</b> <b>(1.45)</b>	Neg	
C	<b>Very strong</b> Ct 10.3	/	<b>Moderate</b> Ct 23.3	<b>Moderate</b> Ct 26.8	<i>Weak</i> Ct 29.1	Cluster 2	<b>Positive</b> <b>(5.06)</b>	<b>Positive</b> <b>(231)</b>	

C	<b>Very strong</b> Ct 10.1	/	<b>Moderate</b> Ct 25.3	<b>Moderate</b> Ct 25.0	<i>Weak</i> Ct 29.4	Cluster 2	Neg	<b>Positive</b> <b>(100)</b>	
C	<b>Strong</b> Ct 18.8	/	<b>Moderate</b> Ct 26.6	<i>Weak</i> Ct 29.9	<i>Weak</i> Ct 30.7	Cluster 2	<b>Positive</b> <b>(4.67)</b>	<b>Positive</b> <b>(30456)</b>	<b>2x Covishield</b>
D	<b>Moderate</b> Ct 22.5	/	<b>Moderate</b> Ct 21.4	<b>Strong</b> Ct 18.5	<b>Moderate</b> Ct 26.3	Cluster 2	Neg	Neg	
D	<b>Very strong</b> Ct 10.9	/	<b>Strong</b> Ct 20.8	<b>Moderate</b> Ct 24.7	<i>Weak</i> Ct 29.2	Cluster 2	Neg	<b>Positive</b> <b>(179457)</b>	<b>1x Pfizer</b>
D	<b>Very strong</b> Ct 9.7	/	<b>Moderate</b> Ct 21.5	<b>Moderate</b> Ct 25.9	<b>Moderate</b> Ct 27.1	Cluster 2	Neg	<b>Positive</b> <b>(123)</b>	
D	<b>Very strong</b> Ct 10.8	/	<b>Moderate</b> Ct 24.6	<b>Moderate</b> Ct 25.2	<b>Moderate</b> Ct 27.5	Cluster 2	<b>Positive</b> <b>(1.65)</b>	<b>Positive</b> <b>(101)</b>	
E	Neg	/	Neg	Neg	/		Neg	Neg	
E	Neg	/	Neg	Neg	/		Neg	Neg	
E	Neg	/	Neg	Neg	/		Neg	Neg	
F	Neg	Neg	Neg	Neg	/		Neg	Neg	
F	Neg	Neg	Neg	Neg	/		Neg	<b>Positive</b> <b>(252)</b>	<b>1x Pfizer</b>
F	Neg	Neg	Neg	Neg	/		Neg	Neg	
F	Neg	Neg	Neg	Neg	/		Neg	Neg	
G	Neg	Neg	Neg	Neg	/		Neg	Neg	
G	Neg	Neg	Neg	Neg	/		Neg	<b>Positive</b> <b>(1778)</b>	<b>2x Covishield</b>
G	Neg	Neg	Neg	Neg	/		Neg	Neg	
G	Neg	Neg	Neg	Neg	/		Neg	Neg	
G	Neg	Neg	Neg	Neg	/		Neg	Neg	
H	Neg	Neg	Neg	Neg	/		Neg	Neg	

H	Neg	Neg	Neg	Neg	/		Neg	Neg	
H	Neg	Neg	Neg	Neg	/		Neg	Neg	
H	Neg	Neg	Neg	Neg	/		Neg	<b>Positive (53)</b>	

*Untypeable: no sequencing possible due to low viral load. Grey italic text: Weak result. Ct: cycle threshold, /: not tested that day.*

**Supplementary Table 2: GISAID acknowledgments (see separate document)**

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