

To: [redacted]@rivm.nl; [redacted]@rivm.nl
Cc: [redacted]@rivm.nl
From: [redacted]
Sent: Wed 3/17/2021 7:22:03 PM
Subject: Fwd: A point regarding 502Y.V2
Received: Wed 3/17/2021 7:23:23 PM
[KorberNotes501Y.V2.pptx](#)

Er is in het veld wat verwarring over aanwezigheid van delta242-244 en R246I in de ZA variant.
 Vanuit AMC kreeg ik de vraag, hebben "onze" ZA varianten die deletie in NTD en zien wij de R246I ergens?

Dit speelt ook bij de aangekondigde vaccine updates.

Moderna chose this version for their new mRNA vaccine:
 L18F-D80A-D215G-(L242-244)del-R246I-K417N-E484K-N501Y-D614G-A701V

Begin forwarded message:

From: "[redacted]" <[redacted]@amsterdamumc.nl>
Subject: FW: A point regarding 502Y.V2
Date: 16 March 2021 at 16:34:07 CET
To: "[redacted]" <[redacted]@amsterdamumc.nl>, "[redacted]" <[redacted]@amsterdamumc.nl>, "[redacted]" <[redacted]@amsterdamumc.nl>, "[redacted]" <[redacted]@amsterdamumc.nl>, "[redacted]" <[redacted]@amsterdamumc.nl>

Er is meer verwarring over R246I.....
 Zie ook de volgende email....

Van: [redacted] <[redacted]@med.cornell.edu>
Verzonden: dinsdag 16 maart 2021 16:27
Aan: [redacted] <[redacted]@amsterdamumc.nl>
Onderwerp: Fw: A point regarding 502Y.V2

From: [redacted] <[redacted]@med.cornell.edu>
Sent: Monday, March 15, 2021 3:32 PM
To: [redacted] <[redacted]@med.cornell.edu>; [redacted] <[redacted]@med.cornell.edu>; [redacted] <[redacted]@scripps.edu>
Subject: Fwd: [EXTERNAL] A point regarding 502Y.V2

Begin forwarded message:

From: [redacted] <[redacted]@lanl.gov>
Subject: [EXTERNAL] A point regarding 502Y.V2
Date: March 14, 2021 at 9:35:12 PM EDT
To: [redacted] (NIH/NIAID) [E] <[redacted]@nih.gov>, [redacted] <[redacted]@moderna.com>, [redacted] <[redacted]@bidmc.harvard.edu>, [redacted] <[redacted]@its.inj.com>, [redacted] <[redacted]@duke.edu>
Cc: [redacted] <[redacted]@penncornell.edu>, [redacted] <[redacted]@penncornell.edu>, [redacted] <[redacted]@med.cornell.edu>

Hi,

This is just to double check that people using the B.1.351 variant of 502Y.V2 for vaccines and testing all are aware that is a quite rare form of the S. African variant;
B.1.352 is what is circulating, at least as well as I can tell from GISAID.

These two baseline 502Y.V2 viruses (of course other mutations are arising in the context of both variant backbone sequences) are different in 2 Spike amino acids.
One of the two, R246I, is very rare, and is important for NTD antibodies.

There are some brief notes in the enclosed powerpoint, explaining.

Please just disregard if you already knew this,

5.1.2e