

To: [redacted] [redacted]@erasmusmc.nl
From: [redacted]
Sent: Tue 1/14/2020 6:43:15 AM
Subject: Antw: Fwd: OFFICIAL: RE: URGENT REQUEST IN PREPARATION OF WHO TC, CAN YOU REPLY ASAP?
Received: Tue 1/14/2020 6:43:15 AM

Ok helder!

Ik mail ze geon beiden in neutrale bewoordingen.

-:) gr [redacted]

Van: [redacted] <[redacted]@erasmusmc.nl>
Datum: 13 januari 2020 om 21:38:26 CET
Aan: [redacted] <[redacted]@rivm.nl>
Onderwerp: Fwd: OFFICIAL: RE: URGENT REQUEST IN PREPARATION OF WHO TC, CAN YOU REPLY ASAP?

Confidential maar dit zijn de docs die ik bedoel.
 Gaat in erg detail over geschiktheid bestaande primers.
 Voor ECDC zouden dus beide approaches van belang kunnen zijn

Van: [redacted] <[redacted]@erasmusmc.nl>
Verzonden: maandag, januari 13, 2020 9:58 AM
Aan: malik; [redacted]
CC: [redacted]; [redacted]; [redacted]; [redacted]; [redacted]
Onderwerp: Re: OFFICIAL: RE: URGENT REQUEST IN PREPARATION OF WHO TC, CAN YOU REPLY ASAP?

Dear [redacted]

Please find attached the latest version of the primer evaluation, including the primer set [redacted] send us.

Best regards,

[redacted]

Van: [redacted] [redacted]@hku.hk>
Datum: vrijdag 10 januari 2020 om 12:16
Aan: "[redacted]" <[redacted]@erasmusmc.nl>, [redacted] <[redacted]@phe.gov.uk>
CC: [redacted] [redacted]@hku.hk>, [redacted] <[redacted]@charite.de>, [redacted] <[redacted]@hkucc.hku.hk>, [redacted] <[redacted]@erasmusmc.nl>, [redacted] <[redacted]@erasmusmc.nl>

Onderwerp: Re: OFFICIAL: RE: URGENT REQUEST IN PREPARATION OF WHO TC, CAN YOU REPLY ASAP?

Dear [redacted]

I just want to calrify that the primer set [redacted] sent you has sucessfully detected both alpha and beta coronaviruses in bats as well as HKU23, 229E like camel virus and MERSs-CoV in camels as well as the known endemic human CoVs. So I am confident it picks up most coronaviruses, including the Wihan virus.

5.1.2e

From: 5.1.2e <5.1.2e@erasmusmc.nl>
Sent: Friday, January 10, 2020 18:59
To: 5.1.2e
Cc: dkwchu; malik; 5.1.2e; 5.1.2e 5.1.2e
Subject: Re: OFFICIAL: RE: URGENT REQUEST IN PREPARATION OF WHO TC, CAN YOU REPLY ASAP?

Yes, and we will not. If anything, we caution that there may be some assays out there, that have specifically been developed for broader capture, and that need to be looked at by specialists.

On 10 Jan 2020, at 11:58, 5.1.2e <5.1.2e@phe.gov.uk> wrote:

OFFICIAL

5.1.2e

Apologies, have been fully occupied...will feed back shortly. I agree that important at this stage not to recommend any specific assay

5.1.2e

From: 5.1.2e [5.1.2e@erasmusmc.nl]
Sent: 10 January 2020 10:54
To: 5.1.2e <5.1.2e@hku.hk>
Cc: malik <5.1.2e@hku.hk>; 5.1.2e <5.1.2e@charite.de>; 5.1.2e <5.1.2e@hkucc.hku.hk>; 5.1.2e <5.1.2e@phe.gov.uk>; 5.1.2e <5.1.2e@erasmusmc.nl>; 5.1.2e <5.1.2e@erasmusmc.nl>
Subject: Re: URGENT REQUEST IN PREPARATION OF WHO TC, CAN YOU REPLY ASAP?

Thanks, we will add it and send you the update

I discussion with 5.1.2e we will be careful not to specifically recommend, and keep each other posted on views as things evolve

5.1.2e

On 10 Jan 2020, at 11:51, 5.1.2e <5.1.2e@hku.hk> wrote:

Dear 5.1.2e

Please find the pan-CoV protocol 5.1.2e mentioned in the attachment. Primer sequences can be found in the document and they are:

pan-CoV 1st forward 5'-GGKTGGGAYTAYCCKAARTG-3'
 pan-CoV 1st reverse 5'-TGYTGTSWRCARAAYTCRTG-3'
 pan-CoV 2nd forward 5'-GGTTGGGACTATCCTAAGTGTGA-3'
 pan-CoV 2nd reverse 5'-CCATCATCAGATAGAATCATCAT-3'

This assay was published in paper: Chu et al. Avian coronavirus in wild aquatic birds. J Virol. 2011 Dec;85(23):12815-20

Best regards

5.1.2e

panCoV_rev2 TCATCAGAAAGAATCATCA
panCoV_rev3 TCGTCGGACAAGATCATCA

DISCLAIMER:

In silico analyses are only indicative, and do not guarantee success. However, we do think this narrows down the choice of primersets to use for testing at this stage. Obviously, the best way forward is to share the sequence data. Alternatively, we can share this with the colleagues in China that have the sequence and ask them to check the primer fit.

5.1.2e | 5.1.2e 5.1.2e 5.1.2e
ErasmusMC, Rotterdam, The Netherlands

<pan-CoV protocol.docx>

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