

ICTV

Discussions > Taxonomic Opinions

Human Coronavirus-OC43

Offline yavarian 194.225.57.52 over 2 years ago

Hi Dear,

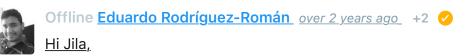
I can not find HCoV-OC43 in new ICTV taxonomy?

May I ask you help me?

Thanks a lot

Jila

Top Replies



In 2008 (please see ICTV codes: 2008.98V; 2008.100V; 2008.121V) in the Revision 2008.085-126V

2008.98V...



Online <u>admin</u> over 2 years ago in reply to yavarian +1

If you look at the history link for the species Betacoronavirus 1, https://talk.ictvonline.org//taxonomy



126V, HCoV-OC43 and other species were united as a single species called *Betacoronavirus* 1.

2008.98V

"To assign the following as species in the new genus (*Betacoronavirus*, in 2008.097V): Betacoronavirus 1 (new) (comprised of existing species BCoV, HCoV-OC43, ECoV, HECoV, PHEV and of canine respiratory coronavirus, CrCoV)".

2008.100V

"A new species, Betacoronavirus 1, is proposed to accommodate previously established Betacoronavirus species of humans, cattle, swine and horses (*Human enteric coronavirus; Human coronavirus OC43; Bovine coronavirus; Porcine hemagglutinating encephalomyelitis virus; Equine coronavirus*) and a newly recognized virus of dogs (canine respiratory coronavirus; Erles et al., 2007)".

2008.121V

To remove (abolish) the following taxa:

"Species Human enteric coronavirus; Human coronavirus OC43; Bovine coronavirus; Porcine hemagglutinating encephalomyelitis virus; Equine coronavirus (these are to be united in a new species Betacoronavirus 1 in a new genus *Betacoronavirus*)".

So, since 2009 HCoV-OC43 is part of the species Betacoronavirus 1.

In the current release, you can see the HCoV-OC43 as:

Riboviria > >Nidovirales > >Cornidovirineae > >Coronaviridae > >Orthocoronavirinae > > Betacoronavirus > >Embecovirus > >Betacoronavirus 1

All the best,

Eduardo.

Offline yavarian 151.239.238.15 over 2 years ago in reply to Eduardo Rodríguez-Román

Hi Dear Eduardo,

Thanks a lot for your reply but I can not see the OC43 in Betacoronavirus proposal and toxonomy

Offline <u>yavarian</u> 151.239.238.15 <u>over 2 years ago in reply to yavarian</u> Hi again dear Eduardo,

Offline yavarian 151.239.238.15 over 2 years ago in reply to yavarian

Hi Dear Eduardo,

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Thank-you Jila for your question, and Eduardo for your spot-on answer. One available method to find the species of a particular virus is through the Virus Metadata Resource. (You can download the VMR spreadsheet from: <u>https://talk.ictvonline.org/taxonomy/vmr/</u>. The VMR provides information on virus isolate exemplars as well as other isolates that have been classified as members of a particular species. The virus, human coronavirus OC43, can be found under the virus name(s) column, and then you can see that it is classified under the species *Betacoronavirus 1*. The VMR is not a comprehensive listing of all virus isolates, but it is useful as a first place to check when trying to find the correct classification.

Offline yavarian 151.239.238.15 over 2 years ago in reply to yavarian

Thanks so much. I got it, With best regards,

Elliot

Elliot J. Lefkowitz, Ph.D. | Professor, Department of Microbiology Data Secretary | International Committee on Taxonomy of Viruses <u>http://www.ictvonline.org/</u> University of Alabama at Birmingham (UAB) BBRB 277 | 845 19th ST South | Birmingham, AL 35294-2170 Email: elliotl@uab.edu

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Offline yavarian 151.239.238.15 over 2 years ago in reply to admin

Hi Dear Prof.Elliot,

Thanks a lot for your help. I got it but why it is not written in the proposal for betacoronavirus 1?

With best regards,

Jila



Online admin 138.26.21.102 over 2 years ago in reply to yavarian

If you look at the history link for the species Betacoronavirus

1, https://talk.ictvonline.org//taxonomy/p/taxonomy-history?
taxnode_id=201851861 you will find that the species *Human coronavirus*OC43 was merged into the species *Betacoronavirus* 1 in 2009. Pages 15, 18, and 36 of the proposal available
from https://talk.ictvonline.org/ictv/proposals/2008.085122V.v4.Coronaviridae.pdf detail this change.

Offline yavarian_151.239.236.165 over 2 years ago in reply to admin
Dear Professor,
Thanks so much for your prompt reply.
With best regards,
Jila

Previewing Staged Changes