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# Exposure of humans or animals to SARS-CoV-2 from wild, livestock, companion and aquatic animals

Supplementary tables on susceptibility of animals to SARS-CoV-2 based on predicted ACE2 affinity to bind SARS-CoV-2 receptor binding domain – **July 2020**

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# Exposure of humans or animals to SARS-CoV-2 from wild, livestock, companion and aquatic animals

Supplementary tables on susceptibility of animals to SARS-CoV-2 based on predicted ACE2 affinity to bind SARS-CoV-2 receptor binding domain – **July 2020**

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## About this document

This document contains supplementary materials for the qualitative exposure assessment entitled **Exposure of humans or animals to SARS-CoV-2 from wild, livestock, companion and aquatic animals** in the form of tables summarizing results from studies investigating potential susceptibility of more than 500 animal species to SARS-CoV-2 based on the predicted binding affinity of their ACE2 receptors to SARS-CoV-2 receptor binding domain (RBD).

Studies expressing the binding affinity of a given species as very high, high or medium, or explicitly describing an animal as potentially susceptible to SARS-CoV-2 are grouped under the column entitled “Likely”, while those expressing the binding affinity of a given species as low or very low, or explicitly describing an animal as potentially non-susceptible to SARS-CoV-2 are grouped under the column entitled “Unlikely”.

The above mentioned studies used different modelling and analytical methods, therefore the reader should be aware of some contradictory conclusions from different studies examining the same animal species.

Note: Studies investigating ACE2 receptors found in different animal species and their potential to bind SARS-CoV-2 RBD require confirmation by ex-vivo cell or experimental animal infection studies and evidence from comprehensive epidemiological and animal pathology studies.

As this document will be updated once new information becomes available, the reader should visit <http://www.fao.org/documents/card/en/c/ca9959en> to make sure that the version at hand is the most recent one.





SUPPLEMENTARY TABLE 1

**Predicted susceptibility of pangolins and wild felines to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Sunda pangolin	<i>Manis javanica</i>	Luan <i>et al.</i> , 2020b; Melin <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b; Piplani <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020; Zhao <i>et al.</i> , 2020b; Devaux <i>et al.</i> , 2020; Frank <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020; Wu <i>et al.</i> , 2020b; Zhai <i>et al.</i> , 2020; Sun <i>et al.</i> , 2020
Chinese pangolin	<i>Manis pentadactyla</i>		Damas <i>et al.</i> , 2020
White-bellied pangolin	<i>Phataginus tricuspis</i>		Damas <i>et al.</i> , 2020
Tiger	<i>Panthera tigris</i>	Wu <i>et al.</i> , 2020b; Piplani <i>et al.</i> , 2020	
Siberian tiger	<i>Panthera tigris altaica</i>	Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020	
Cougar	<i>Puma concolor</i>	Wu <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020	
Leopard	<i>Panthera pardus</i>	Wu <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	
Iberian lynx	<i>Lynx pardinus</i>	Wu <i>et al.</i> , 2020b	
Cheetah	<i>Acinonyx jubalus</i>	Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020	
Canada lynx	<i>Lynx canadensis</i>	Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b	
Sunda clouded leopard	<i>Neofelis diardi</i>	Damas <i>et al.</i> , 2020	
Clouded leopard	<i>Neofelis nebulosa</i>	Damas <i>et al.</i> , 2020	
Jaguar	<i>Panthera onca</i>	Damas <i>et al.</i> , 2020	

SUPPLEMENTARY TABLE 2

## Predicted susceptibility of ape, lemur, tarsier and bush baby species to SARS-CoV-2 based on ACE2 analysis

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Chimpanzees	<i>Pan troglodytes</i>	Sun <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020bb; Damas <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020a; Luan <i>et al.</i> , 2020b; Praharaj <i>et al.</i> , 2020	
Sumatran orangutan	<i>Pongo abelii</i>	Luan <i>et al.</i> , 2020a; Luan <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	
Western lowland gorilla	<i>Gorilla gorilla gorilla</i>	Damas <i>et al.</i> , 2020; Wu <i>et al.</i> , 2020b; Melin <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a	
Northern white-cheeked gibbon	<i>Nomascus leucogenys</i>	Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	
Bonobo	<i>Pan paniscus</i>	Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020a	
Silvery gibbon	<i>Hylobates moloch</i>		Melin <i>et al.</i> , 2020
Fat-tailed dwarf lemur	<i>Cheirogaleus medius</i>	Damas <i>et al.</i> , 2020	
Coquerel's sifaka	<i>Propithecus coquereli</i>	Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a	
Aye-aye	<i>Daubentonia madagascariensis</i>	Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020	
Gray mouse lemur	<i>Microcebus murinus</i>	Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020
Blue-eyed black lemur	<i>Eulemur flavifrons</i>	Damas <i>et al.</i> , 2020	Melin <i>et al.</i> , 2020
Indri	<i>Indri indri</i>	Damas <i>et al.</i> , 2020	
Coquerel's giant mouse lemur	<i>Mirza coquereli</i>	Damas <i>et al.</i> , 2020	
Greater bamboo lemur	<i>Prolemur simus</i>	Lam <i>et al.</i> , 2020b	
Philippine tarsier	<i>Carlito syrichta</i>	Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020
Northern greater galago	<i>Otolemur garnettii</i>	Lam <i>et al.</i> , 2020b	Melin <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020

SUPPLEMENTARY TABLE 3

**Predicted susceptibility of old world monkeys to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Golden snub-nosed monkey	<i>Rhinopithecus roxellana</i>	Luan <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020a	
Black snub-nosed monkey	<i>Rhinopithecus bieti</i>		Liu <i>et al.</i> , 2020
Rhesus macaque	<i>Macaca mulatta</i>	Luan <i>et al.</i> , 2020a; Luan <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Wu <i>et al.</i> , 2020b; Melin <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020; Zhao <i>et al.</i> , 2020b; Lam <i>et al.</i> , 2020b; Devaux <i>et al.</i> , 2020	
Olive baboon	<i>Papio Anubis</i>	Luan <i>et al.</i> , 2020a; Luan <i>et al.</i> , 2020b; Wu <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Praharaj <i>et al.</i> , 2020
Crab-eating macaque	<i>Macaca fascicularis</i>	Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Wu <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a; Piplani <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020	
Proboscis monkey	<i>Nasalis larvatus</i>	Damas <i>et al.</i> , 2020	
Green monkey	<i>Chlorocebus sabaues</i>	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020a Lam <i>et al.</i> , 2020b	
Patas monkey	<i>Erythrocebus patas</i>	Damas <i>et al.</i> , 2020	
Southern pig-tailed macaque	<i>Macaca nemestrina</i>	Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Wu <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a; Praharaj <i>et al.</i> , 2020; Sun <i>et al.</i> , 2020	
Ugandan red colobus	<i>Piliocolobus tephrosceles</i>	Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	

(Cont.)

Drill	<i>Mandrillus leucophaeus</i>	Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a
Red-shanked douc	<i>Pygathrix nemaweus</i>	Damas <i>et al.</i> , 2020
Gelada	<i>Theropithecus gelada</i>	Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Sooty mangabey	<i>Cercocebus atys</i>	Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a
Angola colobus	<i>Colobus angolensis</i>	Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Grivet	<i>Chlorocebus aethiops</i>	Luan <i>et al.</i> , 2020a
Vervet monkey	<i>Chlorocebus pygerythrus</i>	Lam <i>et al.</i> , 2020b

SUPPLEMENTARY TABLE 4

**Predicted susceptibility of new world monkeys to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Nancy Ma's night monkey	<i>Aotus nancymaae</i>	Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Wu <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020;
Tufted capuchin	<i>Sapajus apella</i>	Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020	
Mantled howler monkey	<i>Alouatta palliata</i>	Damas <i>et al.</i> , 2020	Melin <i>et al.</i> , 2020
Common marmoset	<i>Callithrix jacchus</i>	Luan <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Melin <i>et al.</i> , 2020
Panamanian white-throated capuchin	<i>Cebus capucinus imitator</i>	Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Liu <i>et al.</i> , 2020
Black-capped squirrel monkey	<i>Saimiri boliviensis</i>	Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Melin <i>et al.</i> , 2020
Black-handed spider monkey	<i>Ateles geoffroyi</i>	Damas <i>et al.</i> , 2020	
White-eared titi	<i>Callicebus donacophilus</i>	Damas <i>et al.</i> , 2020	
White-faced saki	<i>Pithecia pithecia</i>	Damas <i>et al.</i> , 2020	
Emperor tamarin	<i>Saguinus imperator</i>	Damas <i>et al.</i> , 2020	

SUPPLEMENTARY TABLE 5

**Predicated susceptibility of mega-bats of the superfamily *Pteropodoidea* to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Leschenault's rousette	<i>Rousettus leschenaultii</i>	Luan <i>et al.</i> , 2020b	
Large flying fox	<i>Pteropus vampyrus</i>	Luan <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020
Egyptian fruit bat	<i>Rousettus aegyptiacus</i>	Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020; Prahraj <i>et al.</i> , 2020
Black flying fox	<i>Pteropus alecto</i>	Qiu <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Prahraj <i>et al.</i> , 2020
Lesser short-nosed fruit bat	<i>Cynopterus brachyotis</i>		Damas <i>et al.</i> , 2020
Greater short-nosed fruit bat	<i>Cynopterus sphinx</i>		Damas <i>et al.</i> , 2020
Straw-colored fruit bat	<i>Eidolon helvum</i>		Damas <i>et al.</i> , 2020
Long-tongued fruit bat	<i>Macroglossus sobrinus</i>		Damas <i>et al.</i> , 2020
Lesser dawn bat	<i>Eonycteris spelaea</i>		Damas <i>et al.</i> , 2020

SUPPLEMENTARY TABLE 6

**Predicated susceptibility of bats (other than superfamily *Pteropodoidea*) to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Chinese rufous horseshoe bat	<i>Rhinolophus sinicus</i>	Luan <i>et al.</i> , 2020b; Wu <i>et al.</i> , 2020b; Choudhury and Mukherjee, 2020; Qiu <i>et al.</i> , 2020b; Devaux <i>et al.</i> , 2020	Sun <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020
Big-eared horseshoe bat	<i>Rhinolophus macrotis</i>	Luan <i>et al.</i> , 2020b; Wu <i>et al.</i> , 2020b; Melin <i>et al.</i> , 2020	
Pearson's horseshoe bat	<i>Rhinolophus pearsonii</i>	Luan <i>et al.</i> , 2020b; Wu <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020
Greater horseshoe bat	<i>Rhinolophus ferrumequinum</i>		Luan <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Melin <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020
Tailed tailless bat	<i>Anoura caudifer</i>		Damas <i>et al.</i> , 2020
Indian false vampire	<i>Megaderma lyra</i>		Damas <i>et al.</i> , 2020
Great roundleaf bat	<i>Hipposideros armiger</i>		Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020
Pratt's roundleaf bat	<i>Hipposideros pratti</i>		Damas <i>et al.</i> , 2020; Melin <i>et al.</i> , 2020
Least horseshoe bat	<i>Rhinolophus pusillus</i>		Melin <i>et al.</i> , 2020
Daubenton's bat	<i>Myotis daubentonii</i>		Melin <i>et al.</i> , 2020
Brandt's bat	<i>Myotis brandtii</i>	Praharaj <i>et al.</i> , 2020	Liu <i>et al.</i> , 2020
David's myotis	<i>Myotis davidii</i>		Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020
Common vampire bat	<i>Desmodus rotundus</i>	Praharaj <i>et al.</i> , 2020	Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020
Pale spear-nosed bat	<i>Phyllostomus discolor</i>		Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020
Natal long-fingered bat	<i>Miniopterus natalensis</i>		Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020
Big brown bat	<i>Eptesicus fuscus</i>	Praharaj <i>et al.</i> , 2020	Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020
Little brown bat	<i>Myotis lucifugus</i>		Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020
Hairy big-eared bat	<i>Micronycteris hirsuta</i>		Damas <i>et al.</i> , 2020
Velvety free-tailed bat	<i>Molossus molossus</i>		Damas <i>et al.</i> , 2020
Antillean ghost-faced bat	<i>Mormoops blainvillei</i>		Damas <i>et al.</i> , 2020
Greater mouse-eared bat	<i>Myotis myotis</i>		Damas <i>et al.</i> , 2020
Greater bulldog bat	<i>Noctilio leporinus</i>		Damas <i>et al.</i> , 2020
Kuhl's pipistrelle	<i>Pipistrellus kuhlii</i>		Damas <i>et al.</i> , 2020

(Cont.)

Brazilian free-tailed bat	<i>Tadarida brasiliensis</i>	Damas <i>et al.</i> , 2020; Zhao <i>et al.</i> , 2020b
Stripe-headed round-eared bat	<i>Tonatia saurophila</i>	Damas <i>et al.</i> , 2020
Jamaican fruit-eating bat	<i>Artibeus jamaicensis</i>	Damas <i>et al.</i> , 2020
Seba's short-tailed bat	<i>Carollia perspicillata</i>	Damas <i>et al.</i> , 2020
Cantor's roundleaf bat	<i>Hipposideros galeritus</i>	Damas <i>et al.</i> , 2020
Little tube-nosed bat	<i>Murina feae</i>	Damas <i>et al.</i> , 2020
Common pipistrelle	<i>Pipistrellus pipistrellus</i>	Damas <i>et al.</i> , 2020
Parnell's mustached bat	<i>Pteronotus parnellii</i>	Damas <i>et al.</i> , 2020
Schreibers's long-fingered bat	<i>Miniopterus schreibersii</i>	Damas <i>et al.</i> , 2020



SUPPLEMENTARY TABLE 7

**Predicted susceptibility of rodents of the families *Cricetidae*, *Caviidae* and *Sciuridae* to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Golden hamster	<i>Mesocricetus auratus</i>	Luan <i>et al.</i> , 2020a; Luan <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Wu <i>et al.</i> , 2020b; Frank <i>et al.</i> , 2020; Piplani <i>et al.</i> , 2020	
Campbell's dwarf hamster	<i>Phodopus campbelli</i>	Luan <i>et al.</i> , 2020b	
Chinese hamster	<i>Cricetulus griseus</i>	Luan <i>et al.</i> , 2020a; Luan <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Praharaj <i>et al.</i> , 2020	
White-footed mouse	<i>Peromyscus leucopus</i>	Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
Northern American deer mouse	<i>Peromyscus maniculatus</i>	Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	
Prairie vole	<i>Microtus ochrogaster</i>	Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020
Deer mouse	<i>Peromyscus maniculaetus bairdii</i>	Liu <i>et al.</i> , 2020	
Transcaucasian mole vole	<i>Elobius lutescens</i>	Damas <i>et al.</i> , 2020	
Guinea pig	<i>Cavia porcellus</i>	Lam <i>et al.</i> , 2020b	Luan <i>et al.</i> , 2020b; Wu <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020
Montane guinea pig	<i>Cavia tschudii</i>		Damas <i>et al.</i> , 2020
Panagoniam mara	<i>Dolichotis patagonum</i>		Damas <i>et al.</i> , 2020
Capybara	<i>Hydrochoerus hydrochaeris</i>		Damas <i>et al.</i> , 2020
Yellow-bellied marmot	<i>Marmota flaviventris</i>	Damas <i>et al.</i> , 2020	Liu <i>et al.</i> , 2020
Alpine marmot	<i>Marmota marmota marmots</i>	Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Liu <i>et al.</i> , 2020
Daurian ground squirrel	<i>Spermophilus dauricus</i>	Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	
Muskart	<i>Ondatra zibethicus</i>	Damas <i>et al.</i> , 2020	
Thirteen-lined ground squirrel	<i>Ictidomys tridecemlineatus</i>	Liu <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	
Arctic ground squirrel	<i>Urocitellus parryii</i>	Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Liu <i>et al.</i> , 2020
Red squirrel	<i>Sciurus vulgaris</i>		Pach <i>et al.</i> , 2020

SUPPLEMENTARY TABLE 8

Predicted susceptibility of rodents of the families *Muridae* and *Ctenodactylidae* to SARS-CoV-2 based on ACE2 analysis

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Brown rat	<i>Rattus norvegicus</i>		Luan <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b; Praharaj <i>et al.</i> , 2020; Zhao <i>et al.</i> , 2020b; Lam <i>et al.</i> , 2020b
House mouse	<i>Mus musculus</i>		Luan <i>et al.</i> , 2020b; Wu <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b; Piplani <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Devaux <i>et al.</i> , 2020
African woodland thicket rat	<i>Grammomys surdaster</i>		Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b
Cairo spiny mouse	<i>Acomys cahirinus</i>		Damas <i>et al.</i> , 2020
Graidner's shrewmouse	<i>Mus pahari</i>		Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Ryukyu mouse	<i>Mus caroli</i>		Lam <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b
Algerian mouse	<i>Mus spretus</i>	Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
Steppe mouse	<i>Mus spicilegus</i>		Lam <i>et al.</i> , 2020b
Southern multimammate mouse	<i>Mastomys coucha</i>		Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020
Mongolian gerbil	<i>Meriones unguiculatus</i>		Damas <i>et al.</i> , 2020
Fat sand rat	<i>Psammomys obesus</i>		Damas <i>et al.</i> , 2020
Common gundi	<i>Ctenodactylus gundi</i>	Damas <i>et al.</i> , 2020	
Social tudo-tuco	<i>Ctenomys sociabilis</i>		Damas <i>et al.</i> , 2020

SUPPLEMENTARY TABLE 9

**Predicted susceptibility of rodents (other than families *Cricetidae*, *Caviidae*, *Scuiridae*, *Muridae* and *Ctenodactylidae*) to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Meadow jumping mouse	<i>Zapus hudsonius</i>		Damas <i>et al.</i> , 2020
Gambian pouched rat	<i>Cricetomys gambianus</i>	Damas <i>et al.</i> , 2020	
Dassie rat	<i>Petromus typicus</i>		Damas <i>et al.</i> , 2020
Greater cane rat	<i>Thryonomys swinderianus</i>		Damas <i>et al.</i> , 2020
Naked mole-rat	<i>Heterocephalus glaber</i>	Luan <i>et al.</i> , 2020b; Lam <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020	Liu <i>et al.</i> , 2020
Lesser jerboa	<i>Jaculus jaculus</i>	Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
Hystrix cristata	<i>Crested porcupine</i>		Damas <i>et al.</i> , 2020
Ord's kangaroo rat	<i>Dipodomys ordii</i>	Lam <i>et al.</i> , 2020b	Luan <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020
Little pocket mouse	<i>Perognathus longimembris</i>	Damas <i>et al.</i> , 2020	
Stephens's kangaroo rat	<i>Dipodomys stephensi</i>	Damas <i>et al.</i> , 2020	
Central American agouti	<i>Dasyprocta punctata</i>		Damas <i>et al.</i> , 2020
Common degu	<i>Octodon degus</i>	Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020
Damara mole rat	<i>Fukomys damarensis</i>	Lam <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020	Liu <i>et al.</i> , 2020
Upper Galilee Mountains blind mole rat	<i>Spalax galili</i>	Lam <i>et al.</i> , 2020b	Liu <i>et al.</i> , 2020
Spalax	<i>Nannospalax galili</i>	Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	
Cape golden mole	<i>Chrysochloris asiatica</i>		Liu <i>et al.</i> , 2020
Long-tailed chinchilla	<i>Chinchilla lanigera</i>	Lam <i>et al.</i> , 2020b	Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020
Woodland dormouse	<i>Graphiurus murinus</i>		Damas <i>et al.</i> , 2020
Coypu	<i>Myocastor coypus</i>		Damas <i>et al.</i> , 2020
Gobi jerboa	<i>Allactaga bullata</i>	Damas <i>et al.</i> , 2020	

SUPPLEMENTARY TABLE 10

**Predicted susceptibility of carnivores of the family *Mustelidae* to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Domesticated ferret	<i>Mustela putorius furo</i>	Luan <i>et al.</i> , 2020b; Lam <i>et al.</i> , 2020b; Piplani <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
Black-footed ferret	<i>Mustela nigripes</i>		Damas <i>et al.</i> , 2020
Sea otter	<i>Enhydra lutris kenyoni</i>	Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
North American river otter	<i>Lontra canadensis</i>		Praharaj <i>et al.</i> , 2020
European mink	<i>Mustela lutreola</i>		Damas <i>et al.</i> , 2020
American mink	<i>Neovison vison</i>	Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
Giant otter	<i>Pteronura brasiliensis</i>		Damas <i>et al.</i> , 2020
American badger	<i>Taxidea taxus</i>		Damas <i>et al.</i> , 2020
Honey badger	<i>Mellivora capensis</i>		Damas <i>et al.</i> , 2020
Stoat	<i>Mustela erminea</i>	Liu <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020b; Qiu <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
European polecat	<i>Mustela putorius</i>	Melin <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
Wolverine	<i>Gulo gulo</i>		Damas <i>et al.</i> , 2020

SUPPLEMENTARY TABLE 11

**Predicted susceptibility of carnivores of the family *Canidae* to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Red fox	<i>Vulpes vulpes</i>	Luan <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Praharaj <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
Arctic fox	<i>Vulpes lagopus</i>		Damas <i>et al.</i> , 2020
Raccoon dog	<i>Nyctereutes procyonoides</i>		Luan <i>et al.</i> , 2020b; Sun <i>et al.</i> , 2020; Zhai <i>et al.</i> , 2020
Bush dog	<i>Speothos venaticus</i>		Damas <i>et al.</i> , 2020
Spotted hyena	<i>Crocuta crocuta</i>	Wu <i>et al.</i> , 2020b	
Wolf	<i>Canis lupus</i>	Melin <i>et al.</i> , 2020	
Maned wolf	<i>Chrysocyon brachyurus</i>		Damas <i>et al.</i> , 2020
Dingo	<i>Canis lupus dingo</i>	Liu <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b; Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020

SUPPLEMENTARY TABLE 12

**Predicted susceptibility of carnivores (other than families *Mustelidae*, *Canidae* and *Otariidae*) to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Giant panda	<i>Ailuropoda melanoleuca</i>	Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
Red panda	<i>Ailurus fulgens styani</i>		Damas <i>et al.</i> , 2020
Polar bear	<i>Ursus maritimus</i>	Lam <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
Grizzly bear	<i>Ursus arctos horribilis</i>	Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
American black bear	<i>Ursus americanus</i>	Lam <i>et al.</i> , 2020b	
Western spotted skunk	<i>Spilogale gracilis</i>		Damas <i>et al.</i> , 2020
Banded mongoose	<i>Mungos mungo</i>		Damas <i>et al.</i> , 2020
Fossa	<i>Cryptoprocta ferox</i>		Damas <i>et al.</i> , 2020
Common dwarf mongoose	<i>Helogale parvula</i>		Damas <i>et al.</i> , 2020
Raccoon	<i>Procyon lotor</i>		Luan <i>et al.</i> , 2020b
Masked palm civet	<i>Paguma larvata</i>	Luan <i>et al.</i> , 2020b; Wu <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020; Zhai <i>et al.</i> , 2020; Sun <i>et al.</i> , 2020
Meerkat	<i>Suricata suricatta</i>	Lam <i>et al.</i> , 2020b	Luan <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020
Asian palm civet	<i>Paradoxurus hermaphroditus</i>		Damas <i>et al.</i> , 2020
Small Indian civet	<i>Viverricula indica</i>	Qiu <i>et al.</i> , 2020b	

SUPPLEMENTARY TABLE 13

**Predicted susceptibility of livestock, dogs and cats to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Cattle	<i>Bos taurus</i>	Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Frank <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020a; Luan <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Sun <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b; Praharaj <i>et al.</i> , 2020; Zhai <i>et al.</i> , 2020	
Hybrid cattle	<i>Bos indicus x Bos taurus</i>	Liu <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020a; Praharaj <i>et al.</i> , 2020	
Domestic water buffalo	<i>Bubalus bubalis</i>	Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b; Praharaj <i>et al.</i> , 2020	
Domestic yak	<i>Bos grunniens</i>	Lam <i>et al.</i> , 2020b	
Sheep	<i>Ovis aries</i>	Lam <i>et al.</i> , 2020b; Frank <i>et al.</i> , 2020; Wu <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020a; Luan <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Sun <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b; Praharaj <i>et al.</i> , 2020; Zhai <i>et al.</i> , 2020	
Barbary sheep	<i>Ammotragus lervia</i>	Damas <i>et al.</i> , 2020	
Domestic goat	<i>Capra hircus</i>	Lam <i>et al.</i> , 2020b; Frank <i>et al.</i> , 2020; Wu <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020a; Damas <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b; Praharaj <i>et al.</i> , 2020	
Dromedary camel	<i>Camelus dromedarius</i>	Lam <i>et al.</i> , 2020b; Sun <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020; Wu <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020b
Bactrian camel	<i>Camelus bactrianus</i>	Praharaj <i>et al.</i> , 2020	Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020
Alpaca	<i>Vicugna pacos</i>	Damas <i>et al.</i> , 2020	Liu <i>et al.</i> , 2020
Domestic donkey	<i>Equus asinus</i>	Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020
Horse	<i>Equus caballus</i>	Lam <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020b; Qiu <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020
Pig	<i>Sus scrofa domesticus</i>	Luan <i>et al.</i> , 2020b; Sun <i>et al.</i> , 2020	Praharaj <i>et al.</i> , 2020

(Cont.)

Domestic cat	<i>Felis catus</i>	Melin <i>et al.</i> , 2020; Wu <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Frank <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020b; Sun <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b; Piplani <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020; Zhao <i>et al.</i> , 2020b; Devaux <i>et al.</i> , 2020	
Dog	<i>Canis lupus familiaris</i>	Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020b; Praharaj <i>et al.</i> , 2020; Zhao <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
Dingo	<i>Canis familiaris dingo</i>	Lam <i>et al.</i> , 2020b	
Chicken	<i>Gallus gallus</i>		Lam <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a; Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020
Domestic goose	<i>Anser cygnoides domesticus</i>		Damas <i>et al.</i> , 2020
South African ostrich	<i>Struthio camelus australis</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
European rabbit	<i>Oryctolagus cuniculus</i>	Liu <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020b; Lam <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020; Zhao <i>et al.</i> , 2020b	



SUPPLEMENTARY TABLE 14

**Predicted susceptibility of wild even-toed ungulates (wild *Artiodactyla*) to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
American bison	<i>Bison bison bison</i>	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Praharaj <i>et al.</i> , 2020	
Zebu	<i>Bos indicus</i>	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020	
Wild yak	<i>Bos mutus</i>	Damas <i>et al.</i> , 2020; Wu <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a; Praharaj <i>et al.</i> , 2020	
Wild goat	<i>Capra aegagrus</i>	Damas <i>et al.</i> , 2020	
Masai giraffe	<i>Giraffa tippelskirchi</i>	Damas <i>et al.</i> , 2020	
Tibetan antelope	<i>Pantholops hodgsonii</i>	Damas <i>et al.</i> , 2020	
White-tailed deer	<i>Odocoileus virginianus texanus</i>	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Frank <i>et al.</i> , 2020	
Reindeer	<i>Rangifer tarandus</i>	Damas <i>et al.</i> , 2020	
Pere David's deer	<i>Elaphurus davidianus</i>	Damas <i>et al.</i> , 2020	
Java mouse-deer	<i>Tragulus javanicus</i>		Damas <i>et al.</i> , 2020
Siberian musk deer	<i>Moschus moschiferus</i>	Lam <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020	
Wild boar	<i>Sus scrofa</i>	Lam <i>et al.</i> , 2020b; Wu <i>et al.</i> , 2020b; Melin <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
Hippopotamus	<i>Hippopotamus amphibius</i>	Damas <i>et al.</i> , 2020	
Hirola	<i>Beatragus hunteria</i>	Damas <i>et al.</i> , 2020	
Pronghorn	<i>Antilocapra americana</i>	Damas <i>et al.</i> , 2020	
Chacoan peccary	<i>Catagonus wagneri</i>	Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
Dama gazelle	<i>Nanger dama</i>	Damas <i>et al.</i> , 2020	
Nilgiri tahr	<i>Hemitragus hylocrius</i>	Damas <i>et al.</i> , 2020	
Okapi	<i>Okapia johnstoni</i>	Damas <i>et al.</i> , 2020	
Scimitar oryx	<i>Oryx dammah</i>	Damas <i>et al.</i> , 2020	
Wild Bactrian camel	<i>Camel ferus</i>		Damas <i>et al.</i> , 2020

**SUPPLEMENTARY TABLE 15**  
**Predicted susceptibility of wild mammals (other than *Artiodactyla* and *Carnivora*) to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Aardvark	<i>Orycteropus afer afer</i>		Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020
Northern treeshrew	<i>Tupaia chinensis</i>		Damas <i>et al.</i> , 2020
Hoffmann's two-toed sloth	<i>Choloepus hoffmanni</i>		Damas <i>et al.</i> , 2020
Southern tamandua	<i>Tamandua tetradactyla</i>	Damas <i>et al.</i> , 2020	
South American tapir	<i>Tapirus terrestris</i>		Damas <i>et al.</i> , 2020
Malayan tapir	<i>Tapirus indicus</i>		Damas <i>et al.</i> , 2020
Platypus	<i>Ornithorhynchus anatinus</i>		Luan <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Black rhinoceros	<i>Diceros bicornis</i>		Damas <i>et al.</i> , 2020
Cape elephant shrew	<i>Elephantulus edwardii</i>		Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Gracile shrew mole	<i>Uropsilus gracilis</i>		Damas <i>et al.</i> , 2020
Eastern mole	<i>Scalopus aquaticus</i>		Damas <i>et al.</i> , 2020
Star nosed mole	<i>Condylura cristata</i>		Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020
Gray short-tailed opossum	<i>Monodelphis domestica</i>		Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Sunda flying lemur	<i>Galeopterus variegatus</i>		Damas <i>et al.</i> , 2020
Tasmanian devil	<i>Sarcophilus harrisii</i>		Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020
Talazac's shrew tenrec	<i>Microgale talazaci</i>		Damas <i>et al.</i> , 2020
Cape golden mole	<i>Chrysochloris asiatica</i>		Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020
Chinese tree shrew	<i>Tupaia belangeri chinensis</i>		Liu <i>et al.</i> , 2020
Nine-banded armadillo	<i>Dasypus novemcinctus</i>		Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b; Lam <i>et al.</i> , 2020b
Eurasian common shrew	<i>Sorex araneus</i>	Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020
Southern white rhinoceros	<i>Ceratotherium simum simum</i>	Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
Koala	<i>Phascolarctos cinereus</i>	Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
The common wombat	<i>Vombatus ursinus</i>	Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
Yellow-spotted rock hyrax	<i>Heterohyrax brucei</i>		Damas <i>et al.</i> , 2020
Rock hyrax	<i>Procavia capensis</i>		Damas <i>et al.</i> , 2020

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Lesser hedgehog tenrec	<i>Echinops telfairi</i>		Sun <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020
European hedgehog	<i>Erinaceus europaeus</i>	Wu <i>et al.</i> , 2020b	Luan <i>et al.</i> , 2020b; Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Sumatran rhinoceros	<i>Dicerorhinus sumatrensis</i>		Damas <i>et al.</i> , 2020
Giant anteater	<i>Myrmecophaga tridactyla</i>	Damas <i>et al.</i> , 2020	
Northern white rhinoceros	<i>Ceratotherium simum cottoni</i>		Damas <i>et al.</i> , 2020
Przewalski's horse	<i>Equus przewalskii</i>	Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
African elephant	<i>Loxodonta africana</i>	Praharaj <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020b

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SUPPLEMENTARY TABLE 16

## Predicted susceptibility of wild birds to SARS-CoV-2 based on ACE2 analysis

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Blue tit	<i>Cyanistes caeruleus</i>	Lam <i>et al.</i> , 2020b	
Wild turkey	<i>Meleagris gallopavo</i>	Praharaj <i>et al.</i> , 2020	Wu <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a; Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Common pheasant	<i>Phasianus colchicus</i>		Wu <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020
Common ostrich	<i>Struthio camelus</i>		Wu <i>et al.</i> , 2020b
Golden eagle	<i>Aquila chrysaetos chrysaetos</i>	Praharaj <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
White-tailed eagle	<i>Haliaeetus albicilla</i>		Damas <i>et al.</i> , 2020
Bald eagle	<i>Haliaeetus leucocephalus</i>		Damas <i>et al.</i> , 2020
Mallard	<i>Anas platyrhynchos</i>		Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a
Tufted duck	<i>Aythya fuligula</i>		Damas <i>et al.</i> , 2020
Anna's hummingbird	<i>Calypte anna</i>		Damas <i>et al.</i> , 2020
Chimney swift	<i>Chaetura pelagica</i>		Damas <i>et al.</i> , 2020
Okarito kiwi	<i>Apteryx rowi</i>		Damas <i>et al.</i> , 2020
Rhinoceros hornbill	<i>Buceros rhinoceros silvestris</i>		Damas <i>et al.</i> , 2020
Chuck-will's-widow	<i>Antrastomus carolinensis</i>		Damas <i>et al.</i> , 2020
Red-legged seriema	<i>Cariama cristata</i>		Damas <i>et al.</i> , 2020
Emu	<i>Dromaius novaehollandiae</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Ruff	<i>Calidris pugnax</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Killdeer	<i>Charadrius vociferus</i>		Damas <i>et al.</i> , 2020
Yellow-throated sandgrouse	<i>Pterocles gutturalis</i>		Damas <i>et al.</i> , 2020
Rock pigeon	<i>Columba livia</i>	Qiu <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
Cuckoo roller	<i>Leptosomus discolor</i>		Damas <i>et al.</i> , 2020
Carmine bee-eater	<i>Merops nubicus</i>		Damas <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b
Common cuckoo	<i>Cuculus canorus</i>		Damas <i>et al.</i> , 2020
Peregrine falcon	<i>Falco peregrinus</i>		Damas <i>et al.</i> , 2020
Helmeted guineafowl	<i>Numida meleagris</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Japanese quail	<i>Coturnix japonica</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Red-throated loon	<i>Gavia stellata</i>		Damas <i>et al.</i> , 2020
MacQueen's bustard	<i>Chlamydotis macqueenii</i>		Damas <i>et al.</i> , 2020
Brown mesite	<i>Mesitornis unicolor</i>		Damas <i>et al.</i> , 2020

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Red-crested turaco	<i>Tauraco erythrolophus</i>		Damas et al., 2020
Hoatzin	<i>Opisthocomus hoazin</i>		Damas et al., 2020
Small tree finch	<i>Camarhynchus parvulus</i>		Damas et al., 2020
White-ruffed manakin	<i>Corapipo altera</i>		Damas et al., 2020
American crow	<i>Corvus brachyrhynchos</i>		Damas et al., 2020
Hooded crow	<i>Corvus cornix cornix</i>		Damas et al., 2020
New Caledonian crow	<i>Corvus moneduloides</i>		Damas et al., 2020
Eurasian blue tit	<i>Cyanistes caeruleus</i>		Damas et al., 2020
Willow flycatcher	<i>Empidonax traillii</i>		Damas et al., 2020; Lam et al., 2020b
Collared flycatcher	<i>Ficedula albicollis</i>		Damas et al., 2020
Medium ground finch	<i>Geospiza fortis</i>		Damas et al., 2020
Blue-crowned manakin	<i>Lepidothrix coronata</i>		Damas et al., 2020; Lam et al., 2020b
White-rumped munia	<i>Lonchura striata domestica</i>		Damas et al., 2020
Golden-collared manakin	<i>Manacus vitellinus</i>		Damas et al., 2020; Lam et al., 2020b
Saffron-crested Tyrant-manakin	<i>Neopelma chrysocephalum</i>		Damas et al., 2020
Great tit	<i>Parus major</i>	Lam et al., 2020b	Damas et al., 2020
Wire-tailed manakin	<i>Pipra filicauda</i>		Damas et al., 2020
Ground tit	<i>Pseudopodoces humilis</i>		Damas et al., 2020
Atlantic canary	<i>Serinus canaria</i>		Damas et al., 2020
Common starling	<i>Sturnus vulgaris</i>		Damas et al., 2020
Zebra finch	<i>Taeniopygia guttata</i>		Damas et al., 2020; Lam et al., 2020b
White-throated sparrow	<i>Zonotrichia albicollis</i>		Damas et al., 2020; Lam et al., 2020b
Crested ibis	<i>Nipponia nippon</i>		Damas et al., 2020
Little egret	<i>Egretta garzetta</i>		Damas et al., 2020; Qiu et al., 2020b
White-tailed tropicbird	<i>Phaethon lepturus</i>		Damas et al., 2020
Great cormorant	<i>Phalacrocorax carbo</i>		Damas et al., 2020
Dalmatian pelican	<i>Pelecanus crispus</i>		Damas et al., 2020
Northern fulmar	<i>Fulmarus glacialis</i>		Damas et al., 2020
Kakapo	<i>Strigops habroptila</i>		Damas et al., 2020; Lam et al., 2020b
Budgerigar	<i>Melopsittacus undulatus</i>		Damas et al., 2020; Lam et al., 2020b
Adelie penguin	<i>Pygoscelis adeliae</i>		Damas et al., 2020
Emperor penguin	<i>Aptenodytes forsteri</i>		Damas et al., 2020
Burrowing owl	<i>Athene cunicularia</i>		Damas et al., 2020; Lam et al., 2020b
Barn owl	<i>Tyto alba</i>		Damas et al., 2020
Chilean tinamou	<i>Nothoprocta perdicaria</i>	Lam et al., 2020b	Damas et al., 2020;

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White-throated tinamou	<i>Tinamus guttatus</i>	Damas <i>et al.</i> , 2020
Bar-tailed trogon	<i>Apaloderma vittatum</i>	Damas <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b
Okarito brown kiwi	<i>Apteryx rowi</i>	Lam <i>et al.</i> , 2020b
Pink-footed goose	<i>Anser brachyrhynchus</i>	Lam <i>et al.</i> , 2020b
Swan goose	<i>Anser cygnoides</i>	Lam <i>et al.</i> , 2020b
Yellow-billed parrot	<i>Amazona collaria</i>	Lam <i>et al.</i> , 2020b
Great spotted kiwi	<i>Apteryx haastii</i>	Lam <i>et al.</i> , 2020b
Eurasian sparrowhawk	<i>Accipiter nisus</i>	Lam <i>et al.</i> , 2020b
Little spotted kiwi	<i>Apteryx owenii</i>	Lam <i>et al.</i> , 2020b
Spoon-billed sandpiper	<i>Calidris pygmaea</i>	Lam <i>et al.</i> , 2020b
Gouldian finch	<i>Erythrura gouldiae</i>	Lam <i>et al.</i> , 2020b
Dark-eyed junco	<i>Junco hyemalis</i>	Lam <i>et al.</i> , 2020b
Bengalese finch	<i>Lonchura striata</i>	Lam <i>et al.</i> , 2020b
Ring-necked pheasant	<i>Phasianus colchicus</i>	Lam <i>et al.</i> , 2020b
Common canary	<i>Serinus canaria</i>	Lam <i>et al.</i> , 2020b
Speckled mousebird	<i>Colius striatus</i>	Qiu <i>et al.</i> , 2020b
Kea	<i>Nestor notabilis</i>	Qiu <i>et al.</i> , 2020b

SUPPLEMENTARY TABLE 17

**Predicted susceptibility of reptiles, amphibians and lagomorph species to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Saltwater crocodile	<i>Crocodylus porosus</i>	Lam <i>et al.</i> , 2020b	Wu <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a; Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020
King cobra	<i>Ophiophagus hannah</i>		Wu <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a; Piplani <i>et al.</i> , 2020
Painted turtle	<i>Chrysemys picta bellii</i>	Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	Luan <i>et al.</i> , 2020a; Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020
Green sea turtle	<i>Chelonia mydas</i>	Liu <i>et al.</i> , 2020	Luan <i>et al.</i> , 2020a; Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020
Chinese softshell turtle	<i>Pelodiscus sinensis</i>	Liu <i>et al.</i> , 2020; Devaux <i>et al.</i> , 2020	Lam <i>et al.</i> , 2020b; Luan <i>et al.</i> , 2020a; Praharaj <i>et al.</i> , 2020
Tuatara	<i>Sphenodon punctatus</i>	Lam <i>et al.</i> , 2020b	
Anole lizard	<i>Anolis carolinensis</i>		Lam <i>et al.</i> , 2020b
Central bearded dragon	<i>Pogona vitticeps</i>		Lam <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020
Mainland tiger snake	<i>Notechis scutatus</i>		Lam <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020
Eastern brown snake	<i>Pseudonaja textilis</i>		Lam <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020
Komodo dragon	<i>Varanus komodoensis</i>		Lam <i>et al.</i> , 2020b
Argentine black and white tegu	<i>Salvator merianae</i>		Lam <i>et al.</i> , 2020b
Three-toed box turtle	<i>Terrapene carolina triunguis</i>		Lam <i>et al.</i> , 2020b
Abingdon island giant tortoise	<i>Chelonoidis abingdonii</i>		Lam <i>et al.</i> , 2020b
Anole lizard	<i>Anolis carolinensis</i>		Damas <i>et al.</i> , 2020
Schlegel's Japanese gecko	<i>Gekko japonicus</i>		Damas <i>et al.</i> , 2020
Brown spotted pit viper	<i>Protobothrops mucrosquamatus</i>		Damas <i>et al.</i> , 2020; Qiu <i>et al.</i> , 2020b
Western terrestrial garter snake	<i>Thamnophis elegans</i>		Damas <i>et al.</i> , 2020
Common garter snake	<i>Thamnophis sirtalis</i>		Damas <i>et al.</i> , 2020
Burmese python	<i>Python bivittatus</i>		Damas <i>et al.</i> , 2020
Thornscrub tortoise	<i>Gopherus evgoodei</i>		Damas <i>et al.</i> , 2020
Chinese softshell turtle	<i>Pelodiscus sinensis</i>		Damas <i>et al.</i> , 2020
Chinese alligator	<i>Alligator sinensis</i>		Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020
Gharial	<i>Gavialis gangeticus</i>		Damas <i>et al.</i> , 2020
American alligator	<i>Alligator mississippiensis</i>		Damas <i>et al.</i> , 2020
High Himalaya frog	<i>Nanorana parkeri</i>		Damas <i>et al.</i> , 2020

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Tiny cayenne caecilian	<i>Microcaecilia unicolor</i>		Damas <i>et al.</i> , 2020
Two-lined caecilian	<i>Rhinatrema bivittatum</i>		Damas <i>et al.</i> , 2020
Tropical clawed frog	<i>Xenopus tropicalis</i>		Lam <i>et al.</i> , 2020b; Damas <i>et al.</i> , 2020
Snowshoe hare	<i>Lepus americanus</i>	Damas <i>et al.</i> , 2020	
American pika	<i>Ochotona princeps</i>	Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020; Praharaj <i>et al.</i> , 2020

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SUPPLEMENTARY TABLE 18

**Predicted susceptibility of fish to SARS-CoV-2 based on ACE2 analysis**

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Nile tilapia	<i>Oreochromis niloticus</i>	Lam et al., 2020b	Damas et al., 2020
Marine medaka	<i>Oryzias melastigma</i>		Damas et al., 2020
Blunt-snouted clingfish	<i>Gouania willdenowi</i>		Damas et al., 2020; Lam et al., 2020b
Jewelled blenny	<i>Salarias fasciatus</i>		Damas et al., 2020; Lam et al., 2020b
Live sharksucker	<i>Echeneis naucrates</i>		Damas et al., 2020; Lam et al., 2020b
Greater amberjack	<i>Seriola dumerili</i>		Damas et al., 2020
Seriola dorsalis	<i>Seriola lalandi dorsalis</i>		Damas et al., 2020
Mexican tetra	<i>Astyanax mexicanus</i>		Damas et al., 2020
Red-bellied piranha	<i>Pygocentrus nattereri</i>		Damas et al., 2020
Australian ghostshark	<i>Callorhynchus milii</i>		Damas et al., 2020
Eastern happy	<i>Astatotilapia calliptera</i>	Lam et al., 2020b	Damas et al., 2020
Burton's mouthbrooder	<i>Haplochromis burtoni</i>	Lam et al., 2020b	Damas et al., 2020
Zebra mbuna	<i>Maylandia zebra</i>		Damas et al., 2020; Lam et al., 2020b
Blue tilapia	<i>Oreochromis aureus</i>		Damas et al., 2020; Lam et al., 2020b
Cichlid	<i>Pundamilia nyererei</i>		Damas et al., 2020
Flier cichlid	<i>Archocentrus centrarchus</i>		Damas et al., 2020
Atlantic herring	<i>Clupea harengus</i>		Damas et al., 2020; Lam et al., 2020b
Denticle herring	<i>Denticeps clupeoides</i>		Damas et al., 2020; Lam et al., 2020b
West Indian ocean coelacanth	<i>Latimeria chalumnae</i>		Damas et al., 2020; Lam et al., 2020b
Goldfish	<i>Carassius auratus</i>		Damas et al., 2020
Zebrafish	<i>Danio rerio</i>		Damas et al., 2020; Lam et al., 2020b
Cavefish	<i>Sinocyclocheilus anshuiensis</i>		Damas et al., 2020
Southern platyfish	<i>Xiphophorus maculatus</i>		Damas et al., 2020; Lam et al., 2020b
Monterrey platyfish	<i>Xiphophorus couchianus</i>		Damas et al., 2020
Sheepshead minnow	<i>Cyprinodon variegatus</i>		Damas et al., 2020; Lam et al., 2020b
Mummichog	<i>Fundulus heteroclitus</i>		Damas et al., 2020; Lam et al., 2020b
Mangrove rivulus	<i>Kryptolebias marmoratus</i>		Damas et al., 2020; Lam et al., 2020b
Turquoise killfish	<i>Nothobranchius furzeri</i>		Damas et al., 2020
Amazon molly	<i>Poecilia formosa</i>		Damas et al., 2020; Lam et al., 2020b

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Sailfin molly	<i>Poecilia latipinna</i>		Damas <i>et al.</i> , 2020
Shortfin molly	<i>Poecilia mexicana</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Annual killifish	<i>Austrofundulus limnaeus</i>		Damas <i>et al.</i> , 2020
Guppy	<i>Poecilia reticulata</i>		Damas <i>et al.</i> , 2020
Northern pike	<i>Esox lucius</i>	Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
Atlantic cod	<i>Gadus morhua</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Great blue-spotted mudskipper	<i>Boleophthalmus pectinirostris</i>		Damas <i>et al.</i> , 2020
Electric eel	<i>Electrophorus electricus</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Pinecone soldierfish	<i>Myripristis murdjan</i>		Damas <i>et al.</i> , 2020
Ballan wrasse	<i>Labrus bergylta</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Asian arowana	<i>Scleropages formosus</i>		Damas <i>et al.</i> , 2020
Elephantfish	<i>Paramormyrops kingsleyae</i>		Damas <i>et al.</i> , 2020
Barramundi	<i>Lates calcarifer</i>		Damas <i>et al.</i> , 2020
Yellow perch	<i>Perca flavescens</i>		Damas <i>et al.</i> , 2020
Zander	<i>Sander lucioperca</i>		Damas <i>et al.</i> , 2020
Wolf eel	<i>Anarrhichthys ocellatus</i>		Damas <i>et al.</i> , 2020
Channel bull blenny	<i>Cottoperca gobio</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Black rockcod	<i>Notothenia coriiceps</i>		Damas <i>et al.</i> , 2020
Tongue sole	<i>Cynoglossus semilaevis</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Bastard halibut	<i>Paralichthys olivaceus</i>		Damas <i>et al.</i> , 2020
Reedfish	<i>Erpetoichthys calabaricus</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Spiny chromis damselfish	<i>Acanthochromis polyacanthus</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Bicolor damselfish	<i>Stegastes partitus</i>		Damas <i>et al.</i> , 2020
Ocellaris clownfish	<i>Amphiprion ocellaris</i>		Damas <i>et al.</i> , 2020
Arctic char	<i>Salvelinus alpinus</i>		Damas <i>et al.</i> , 2020
Rainbow trout	<i>Oncorhynchus mykiss</i>		Damas <i>et al.</i> , 2020
Large yellow croaker	<i>Larimichthys crocea</i>	Lam <i>et al.</i> , 2020b	Damas <i>et al.</i> , 2020
Spotted gar	<i>Lepisosteus oculatus</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Iridescent shark	<i>Pangasianodon hypophthalmus</i>		Damas <i>et al.</i> , 2020
Channel catfih	<i>Ictalurus punctatus</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b
Yellow catfish	<i>Tachysurus fulvidraco</i>		Damas <i>et al.</i> , 2020
Gilt-head bream	<i>Sparus aurata</i>		Damas <i>et al.</i> , 2020
Zig-zag eel	<i>Mastacembelus armatus</i>		Damas <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b

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Asian swamp eel	<i>Monopterus albus</i>	Damas et al., 2020; Lam et al., 2020b
Tiger tail seahorse	<i>Hippocampus comes</i>	Damas et al., 2020
Japanese pufferfish	<i>Takifugu rubripes</i>	Damas et al., 2020
Climbing perch	<i>Anabas testudineus</i>	Damas et al., 2020; Lam et al., 2020b
Indian glassy fish	<i>Parambassis ranga</i>	Damas et al., 2020; Lam et al., 2020b
Siamese fighting fish	<i>Betta splendens</i>	Damas et al., 2020; Lam et al., 2020b
Common carp German mirror	<i>Cyprinus carpio germanmirror</i>	Lam et al., 2020b
Common carp huang he	<i>Cyprinus carpio huanghenot</i>	Lam et al., 2020b
Common carp hebaored	<i>Cyprinus carpio hebaored</i>	Lam et al., 2020b
Elephant shark	<i>Callorhynchus mili</i>	Lam et al., 2020b
Stickleback	<i>Gasterosteus aculeatus</i>	Lam et al., 2020b
Western mosquitofish	<i>Gambusia affinis</i>	Lam et al., 2020b
Huchen	<i>Hucho hucho</i>	Lam et al., 2020b
Barramundi perch	<i>Lates calcarifer</i>	Lam et al., 2020b
Ocean sunfish	<i>Mola mola</i>	Lam et al., 2020b
Round goby	<i>Neogobius melanostomus</i>	Lam et al., 2020b
Indian medaka	<i>Oryzias dancena</i>	Lam et al., 2020b
Makobe Island cichlid	<i>Pundamilia nyererei</i>	Lam et al., 2020b
Lyretail cichlid	<i>Neolamprologus brichardi</i>	Lam et al., 2020b
Midas cichlid	<i>Amphilophus citrinellus</i>	Lam et al., 2020b
Blind barbel	<i>Sinocyclocheilus anophthalmus</i>	Lam et al., 2020b
Gilthead seabream	<i>Sparus aurata</i>	Lam et al., 2020b
Asian bonytongue	<i>Scleropages formosus</i>	Lam et al., 2020b
Yellowtail amberjack	<i>Seriola lalandi</i>	Lam et al., 2020b
Turbot	<i>Scophthalmus maximus</i>	Lam et al., 2020b
Orbiculate cardinalfish	<i>Sphaeramia orbicularis</i>	Lam et al., 2020b
Horned golden-line barbel	<i>Sinocyclocheilus grahami</i>	Lam et al., 2020b
River trout	<i>Salmo trutta</i>	Lam et al., 2020b
Tetraodon	<i>Tetraodon nigroviridis</i>	Lam et al., 2020b
Fugu	<i>Takifugu rubripes</i>	Lam et al., 2020b
Clown anemonefish	<i>Amphiprion ocellaris</i>	Lam et al., 2020b
Orange clownfish	<i>Amphiprion percula</i>	Lam et al., 2020b

SUPPLEMENTARY TABLE 19

## Predicted susceptibility of aquatic mammals to SARS-CoV-2 based on ACE2 analysis

Common name	Scientific name	Prediction of ACE2 affinity to bind SARS-CoV-2 RBD	
		Likely	Unlikely
Narrow-ridged finless porpoise	<i>Neophocaena asiaeorientalis</i>	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020a	
Harbour porpoise	<i>Phocoena phocoena</i>	Damas <i>et al.</i> , 2020	
Antarctic minke whale	<i>Balaenoptera bonaerensis</i>	Damas <i>et al.</i> , 2020	
Gray whale	<i>Eschrichtius robustus</i>	Damas <i>et al.</i> , 2020	
Southern tamandua	<i>Tamandua tetradactyla</i>	Damas <i>et al.</i> , 2020	
Long-finned pilot whale	<i>Globicepha melas</i>	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020	
Pacific white-sided dolphin	<i>Lagenorhynchus obliquidens</i>	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020	
Baiji	<i>Lipotes vexillifer</i>	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020	
Killer whale	<i>Orcinus orca</i>	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020	
Common bottlenose dolphin	<i>Tursiops truncatus</i>	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Lam <i>et al.</i> , 2020b	
Sperm whale	<i>Physeter catodon</i>	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020; Luan <i>et al.</i> , 2020a; Lam <i>et al.</i> , 2020b	
Sowerby's beaked whale	<i>Mesoplodon bidens</i>		Damas <i>et al.</i> , 2020
Hawaiian monk seal	<i>Neomonachus schauinslandi</i>	Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
Harbor seal	<i>Phoca vitulina</i>		Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020
Minke whale	<i>Balaenoptera aculorostrata scammoni</i>	Damas <i>et al.</i> , 2020	Liu <i>et al.</i> , 2020
West Indian manatee	<i>Trichechus manatus latirostris</i>		Liu <i>et al.</i> , 2020; Damas <i>et al.</i> , 2020
California sea lion	<i>Zalophus californianus</i>	Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
Steller sea lion	<i>Eumetopias jubatus</i>	Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
Bowhead whale	<i>Balaena mysticetus</i>		Damas <i>et al.</i> , 2020
Walrus	<i>Odobenus rosmarus divergens</i>	Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
Northern fur seal	<i>Callorhinus ursinus</i>	Liu <i>et al.</i> , 2020	Damas <i>et al.</i> , 2020
Beluga whale	<i>Delphinapterus leucas</i>	Luan <i>et al.</i> , 2020a; Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020	
Northern elephant seal	<i>Mirounga angustirostris</i>		Damas <i>et al.</i> , 2020
Sowerby's beaked whale	<i>Mesoplodon bidens</i>	Damas <i>et al.</i> , 2020	
Long-finned pilot whale	<i>Globicephala melas</i>	Damas <i>et al.</i> , 2020; Liu <i>et al.</i> , 2020	
Pacific white-sided dolphin	<i>Lagenorhynchus obliquidens</i>	Damas <i>et al.</i> , 2020	
Narwhal	<i>Monodon monoceros</i>	Damas <i>et al.</i> , 2020	



This document contains supplementary materials for the qualitative exposure assessment entitled *Exposure of humans or animals to SARS-CoV-2 from wild, livestock, companion and aquatic animals – Qualitative exposure assessment* in the form of tables summarizing results from studies investigating potential susceptibility of more than 500 animal species to SARS-CoV-2 based on the predicted binding affinity of their ACE2 receptors to SARS-CoV-2 receptor binding domain (RBD).

Studies expressing the binding affinity of a given species as very high, high or medium, or explicitly describing an animal as potentially susceptible to SARS-CoV-2 are grouped under the column entitled “Likely”, while those expressing the binding affinity of a given species as low or very low, or explicitly describing an animal as potentially non-susceptible to SARS-CoV-2 are grouped under the column entitled “Unlikely”.

These studies used different modelling and analytical methods, therefore the reader should be aware of some contradictory conclusions from different studies examining the same animal species.