

Accession Number	Host species	Country	Isolation date	Bat Family	CoV genus	RdRp CDS Length (bp)
Americas Bat CoVs (alpha)						
MH974768	<i>Molossus molossus</i>	Brazil	2016	Molossidae	alphaCoV	426
MH974767	<i>Molossus rufus</i>	Brazil	2017	Molossidae	alphaCoV	426
MH974776	<i>Molossus rufus</i>	Brazil	2017	Molossidae	alphaCoV	426
MH974777	<i>Molossus rufus</i>	Brazil	2017	Molossidae	alphaCoV	426
KC886321	<i>Molossus rufus</i>	Brazil	2010	Molossidae	alphaCoV	397
MH974764	<i>Molossus rufus</i>	Brazil	2015	Molossidae	alphaCoV	426
MH974766	<i>Eptesicus</i> sp.	Brazil	2015	Vespertilionidae	alphaCoV	426
MH974769	<i>Molossus rufus</i>	Brazil	2015	Molossidae	alphaCoV	426
MH974770	<i>Molossus rufus</i>	Brazil	2015	Molossidae	alphaCoV	426
MH974771	<i>Molossus rufus</i>	Brazil	2015	Molossidae	alphaCoV	426
MH974773	<i>Molossus molossus</i>	Brazil	2016	Molossidae	alphaCoV	426
MH974778	<i>Molossus rufus</i>	Brazil	2015	Molossidae	alphaCoV	426
MH974780	<i>Glossophaga soricina</i>	Brazil	2015	Phyllostomidae	alphaCoV	426
MH974765	<i>Molossus rufus</i>	Brazil	2015	Molossidae	alphaCoV	426
MH974779	<i>Eptesicus</i> sp.	Brazil	2015	Vespertilionidae	alphaCoV	426
KT171389	<i>Molossus rufus</i>	Brazil	2014	Molossidae	alphaCoV	383
KT171388	<i>Molossus rufus</i>	Brazil	2013	Molossidae	alphaCoV	394
JQ731788	<i>Artibeus lituratus</i>	Panama	2011	Phyllostomidae	alphaCoV	816
JQ731785	<i>Artibeus jamaicensis</i>	Panama	2010	Phyllostomidae	alphaCoV	816
JQ731787	<i>Artibeus lituratus</i>	Panama	2010	Phyllostomidae	alphaCoV	816
KX285061	<i>Sturnira lilium</i>	Brazil	2010	Phyllostomidae	alphaCoV	381
KX285068	<i>Mesophylla macconnelli</i>	Brazil	2011	Phyllostomidae	alphaCoV	387
KX285224	<i>Artibeus planirostris</i>	Brazil	2011	Phyllostomidae	alphaCoV	387
MN872694	<i>Artibeus planirostris</i>	Brazil	2012	Phyllostomidae	alphaCoV	393
MN872695	<i>Artibeus lituratus</i>	Brazil	2012	Phyllostomidae	alphaCoV	378
KT171384	<i>Carollia perspicillata</i>	Brazil	2011	Phyllostomidae	alphaCoV	394
KT171383	<i>Carollia perspicillata</i>	Brazil	2011	Phyllostomidae	alphaCoV	394
MN872699	<i>Carollia perspicillata</i>	Brazil	2012	Phyllostomidae	alphaCoV	393
MN872693	<i>Artibeus planirostris</i>	Brazil	2012	Phyllostomidae	alphaCoV	393
MN872697	<i>Carollia perspicillata</i>	Brazil	2012	Phyllostomidae	alphaCoV	393
MN872698	<i>Carollia perspicillata</i>	Brazil	2012	Phyllostomidae	alphaCoV	393
KX285060	<i>Carollia perspicillata</i>	Bolivia	2011	Phyllostomidae	alphaCoV	387
KX285047	<i>Carollia perspicillata</i>	Bolivia	2011	Phyllostomidae	alphaCoV	387
KX285048	<i>Carollia perspicillata</i>	Bolivia	2011	Phyllostomidae	alphaCoV	387
KX285069	<i>Carollia perspicillata</i>	Brazil	2011	Phyllostomidae	alphaCoV	387
KT171385	<i>Carollia perspicillata</i>	Brazil	2012	Phyllostomidae	alphaCoV	394
MN872696	<i>Sturnira lilium</i>	Brazil	2012	Phyllostomidae	alphaCoV	387
MN872700	<i>Carollia perspicillata</i>	Brazil	2012	Phyllostomidae	alphaCoV	388
JQ731792	<i>Carollia perspicillata</i>	Costa Rica	2010	Phyllostomidae	alphaCoV	816
JQ731791	<i>Carollia perspicillata</i>	Costa Rica	2010	Phyllostomidae	alphaCoV	816
JQ731790	<i>Carollia perspicillata</i>	Costa Rica	2010	Phyllostomidae	alphaCoV	816
JQ731793	<i>Carollia perspicillata</i>	Costa Rica	2010	Phyllostomidae	alphaCoV	816
JQ731789	<i>Carollia perspicillata</i>	Costa Rica	2010	Phyllostomidae	alphaCoV	816
KM215147	<i>Carollia castanea</i>	Costa Rica	2014	Phyllostomidae	alphaCoV	440
KC779225	<i>Carollia perspicillata</i>	Costa Rica	2012	Phyllostomidae	alphaCoV	440
JQ731801	<i>Carollia perspicillata</i>	Costa Rica	2010	Phyllostomidae	alphaCoV	417
KX094982	<i>Molossus molossus</i>	Brazil	2011	Molossidae	alphaCoV	418
KU552074	<i>Glossophaga soricina</i>	Brazil	2013	Phyllostomidae	alphaCoV	412
KT171387	<i>Glossophaga soricina</i>	Brazil	2014	Phyllostomidae	alphaCoV	349
MW465544	<i>Desmodus rotundus</i>	Brazil	2019	Phyllostomidae	alphaCoV	428
MW465545	<i>Desmodus rotundus</i>	Brazil	2019	Phyllostomidae	alphaCoV	421
JQ731782	<i>Phyllostomus discolor</i>	Panama	2011	Phyllostomidae	alphaCoV	816
JQ731783	<i>Phyllostomus discolor</i>	Panama	2011	Phyllostomidae	alphaCoV	816
MH974772	<i>Phyllostomus discolor</i>	Brazil	2015	Phyllostomidae	alphaCoV	426
MH974774	<i>Phyllostomus discolor</i>	Brazil	2016	Phyllostomidae	alphaCoV	426
KU552072	<i>Desmodus rotundus</i>	Brazil	2013	Phyllostomidae	alphaCoV	572
MW249018	<i>Desmodus rotundus</i>	Peru	2016	Phyllostomidae	alphaCoV	2779
KU552078	<i>Cynomops planirostris</i>	Brazil	2014	Molossidae	alphaCoV	569
KU552079	<i>Cynomops planirostris</i>	Brazil	2014	Molossidae	alphaCoV	571
KU552073	<i>Cynomops planirostris</i>	Brazil	2013	Molossidae	alphaCoV	564
KU552077	<i>Cynomops abrosus</i>	Brazil	2013	Molossidae	alphaCoV	490
KU552075	<i>Cynomops abrosus</i>	Brazil	2013	Molossidae	alphaCoV	406
KU552076	<i>Cynomops abrosus</i>	Brazil	2013	Molossidae	alphaCoV	394
KT171391	<i>Myotis riparius</i>	Brazil	2013	Vespertilionidae	alphaCoV	394
KT171390	<i>Myotis nigricans</i>	Brazil	2013	Vespertilionidae	alphaCoV	394
KX663833	<i>Tadarida brasiliensis</i>	USA	2016	Molossidae	alphaCoV	438
KX285049	<i>Sturnira erythronas</i>	Bolivia	2011	Phyllostomidae	alphaCoV	387
KT171393	<i>Sturnira lilium</i>	Brazil	2012	Phyllostomidae	alphaCoV	394
KX285059	<i>Sturnira lilium</i>	Brazil	2010	Phyllostomidae	alphaCoV	381
KX285060	<i>Sturnira lilium</i>	Brazil	2010	Phyllostomidae	alphaCoV	381
KX285062	<i>Artibeus lituratus</i>	Brazil	2010	Phyllostomidae	alphaCoV	381
KT171392	<i>Sturnira lilium</i>	Brazil	2012	Phyllostomidae	alphaCoV	394
KT171394	<i>Sturnira lilium</i>	Brazil	2012	Phyllostomidae	alphaCoV	394
KM215146	<i>Glossophaginae</i>	Costa Rica	2014	Phyllostomidae	alphaCoV	440
KX285063	<i>Glossophaginae</i>	Brazil	2010	Phyllostomidae	alphaCoV	381
JQ731778	<i>Anoura geoffroyi</i>	Costa Rica	2010	Phyllostomidae	alphaCoV	816

Accession Number	Host species	Country	Isolation date	Bat Family	CoV genus	RdRp CDS Length (bp)
Americas Bat CoVs (alpha)						
JQ731775	<i>Anoura geoffroyi</i>	Costa Rica	2010	Phyllostomidae	alphaCoV	816
JQ731776	<i>Anoura geoffroyi</i>	Costa Rica	2010	Phyllostomidae	alphaCoV	816
JQ731777	<i>Anoura geoffroyi</i>	Costa Rica	2010	Phyllostomidae	alphaCoV	816
JQ731784	<i>Artibeus jamaicensis</i>	Panama	2010	Phyllostomidae	alphaCoV	816
JQ731786	<i>Artibeus jamaicensis</i>	Panama	2010	Phyllostomidae	alphaCoV	816
KT717380	<i>Artibeus lituratus</i>	Brazil	2010	Phyllostomidae	alphaCoV	388
KC779226	<i>Artibeus jamaicensis</i>	Costa Rica	2012	Phyllostomidae	alphaCoV	440
KT717382	<i>Artibeus lituratus</i>	Brazil	2012	Phyllostomidae	alphaCoV	394
MH974775	<i>Phyllostomus discolor</i>	Brazil	2016	Phyllostomidae	alphaCoV	426
KY820786	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820783	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820788	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820787	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820785	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820784	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820775	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820774	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820767	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820771	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820770	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820769	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820768	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY799179	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	2774
KY820772	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820773	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820782	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820781	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820780	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820779	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820778	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820776	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820777	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
JX537913	<i>Perimyotis subflavus</i>	USA	2010	Vespertilionidae	alphaCoV	679
KY820796	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820794	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820793	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820789	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820795	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820801	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820799	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820798	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820800	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820807	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820806	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820805	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820804	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820803	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820802	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820797	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820792	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820791	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229
KY820790	<i>Myotis lucifugus</i>	Canada	2010	Vespertilionidae	alphaCoV	229

Accession Number	Host species	Country	Isolation date	Bat Family	CoV genus	RdRp CDS Length (bp)
Americas Bat CoVs (beta)						
KC633197	<i>Carollia perspicillata</i>	Costa Rica	2012	Phyllostomidae	betaCoV	816
KT717381	<i>Artibeus lituratus</i>	Brazil	2011	Phyllostomidae	betaCoV	394
MN872692	<i>Artibeus planirostris</i>	Brazil	2012	Phyllostomidae	betaCoV	355
MN872690	<i>Artibeus planirostris</i>	Brazil	2012	Phyllostomidae	betaCoV	357
MN872691	<i>Artibeus planirostris</i>	Brazil	2012	Phyllostomidae	betaCoV	393
MN872689	<i>Artibeus planirostris</i>	Brazil	2012	Phyllostomidae	betaCoV	394
MN872688	<i>Artibeus planirostris</i>	Brazil	2012	Phyllostomidae	betaCoV	394
KX285064	Glossophaginae	Brazil	2010	Phyllostomidae	betaCoV	381
K386322	<i>Pteronotus davyi</i>	Mexico	2012	Mormoopidae	betaCoV	439
JQ731780	<i>Pteronotus parnellii</i>	Costa Rica	2011	Mormoopidae	betaCoV	816
JQ731779	<i>Pteronotus parnellii</i>	Costa Rica	2010	Mormoopidae	betaCoV	816
JQ731781	<i>Pteronotus parnellii</i>	Costa Rica	2011	Mormoopidae	betaCoV	816
KC633193	<i>Pteronotus parnellii</i>	Costa Rica	2012	Mormoopidae	betaCoV	816
KC633194	<i>Pteronotus parnellii</i>	Costa Rica	2012	Mormoopidae	betaCoV	816
KC633195	<i>Pteronotus parnellii</i>	Costa Rica	2012	Mormoopidae	betaCoV	816
KC633196	<i>Pteronotus parnellii</i>	Costa Rica	2012	Mormoopidae	betaCoV	816
KT717386	<i>Eumops glaucinus</i>	Brazil	2013	Molossidae	betaCoV	394

Accession Number	Host species	Country	Isolation date	Bat Family	CoV genus	RdRp CDS Length (bp)
Global CoVs reference sequences (Kirichenko et al. 2022)						
NC_022103	<i>Myotis lucifugus</i>	USA: Boulder County, CO	07-Aug-2006	Vespertilionidae	Alphacoronavirus	2774
NC_048216	<i>Triaenops afer</i>	Kenya	40350	-	Alphacoronavirus	2774
NC_046564	<i>Pipistrellus kuhli</i>	Italy	2015	Vespertilionidae	Alphacoronavirus	2774
NC_032107	<i>Triaenops afer</i>	Kenya	40350	-	Alphacoronavirus	2774
NC_028833	<i>Nyctalus velutinus</i>	China	2013	Vespertilionidae	Alphacoronavirus	2774
NC_028824	<i>Rhinolophus ferrumequinum</i>	China	2012	Rhinolophidae	Alphacoronavirus	2774
NC_028814	<i>Rhinolophus ferrumequinum</i>	China	2013	Rhinolophidae	Alphacoronavirus	2774
NC_028811	<i>Myotis ricketti</i>	China	2011	Vespertilionidae	Alphacoronavirus	2774
NC_032730	<i>Rattus norvegicus</i>	China	2013	-	Alphacoronavirus	2770
NC_018871	<i>Rousettus leschenaulti</i>	China	38626	Pteropodidae	Alphacoronavirus	2774
NC_025217	<i>Hipposideros pratti</i>	China	29-Apr-2013	Hipposideridae	Betacoronavirus	2788
NC_030886	<i>Rousettus leschenaulti</i>	China	41787	Pteropodidae	Betacoronavirus	2791
MN996532	<i>Rhinolophus affinis</i>	China	41479	Rhinolophidae	Betacoronavirus	2791
NC_034440	<i>Pipistrellus cf. hesperidus</i>	Uganda	41325	Vespertilionidae	unclassified	2800
NC_014470	<i>Rhinolophus blasii</i>	Bulgaria	2008	Rhinolophidae	unclassified	2791
NC_010438	<i>Miniopterus</i>	Hong Kong	-	Vespertilionidae	unclassified	2774
NC_010437	<i>Miniopterus</i>	Hong Kong	-	Vespertilionidae	unclassified	2774
NC_009988	<i>Rhinolophus</i>	-	-	Rhinolophidae	unclassified	2774
NC_009021	<i>Pipistrellus</i>	China: Guangdong province	-	Vespertilionidae	unclassified	2791
NC_009020	<i>Pipistrellus</i>	China: Guangdong province	-	Vespertilionidae	unclassified	2800
NC_009019	<i>Tytonycteris</i>	China: Guangdong province	-	Vespertilionidae	unclassified	2800
NC_009657	<i>Scotophilus</i>	-	-	Vespertilionidae	unclassified	2774
NC_005831	<i>Homo sapiens</i>	-	-	-	Alphacoronavirus	2774
NC_002645	<i>Homo sapiens</i>	-	-	-	Alphacoronavirus	2774
NC_045512	<i>Homo sapiens</i>	China	Dec-2019	-	Betacoronavirus	2791
NC_006213	<i>Homo sapiens</i>	USA	-	-	Betacoronavirus	2782
NC_038294	<i>Homo sapiens</i>	United Kingdom	41163	-	Betacoronavirus	2797
NC_019843	<i>Homo sapiens</i>	-	41073	-	Betacoronavirus	2797
NC_006577	<i>Homo sapiens</i>	-	-	-	Betacoronavirus	2782
NC_004718	<i>Homo sapiens</i>	Canada: Toronto	-	-	Betacoronavirus	2791
NC_034972	<i>Apodemus chevrieri</i>	China	40817	-	Alphacoronavirus	2770
NC_028752	camel	Saudi Arabia	42064	-	Alphacoronavirus	2774
MT121216	<i>Manis javanica</i>	China	43553	-	Betacoronavirus	2791
MT040336	<i>Manis javanica</i> (Malayan pangolin)	China	2017	-	Betacoronavirus	2791
NC_039207	<i>Erinaceus europaeus</i>	Germany	2012	-	Betacoronavirus	2800
NC_026011	<i>Rattus norvegicus</i> (Norway rat)	China	41046	-	Betacoronavirus	2782
NC_017083	<i>Oryctolagus cuniculus</i>	China	2006	-	Betacoronavirus	2782
NC_012936	rat	-	-	-	Betacoronavirus	2782
NC_003045	bovine	-	-	-	Betacoronavirus	2782
KX432213	dog	China	2014	-	Betacoronavirus	2782
JX860640	dog	South Korea	2008	-	Betacoronavirus	2782
NC_010646	<i>Delphinapterus leucas</i> (beluga whale)	-	-	-	Gammacoronavirus	2776
NC_038861	pig	USA:Indiana	-	-	Alphacoronavirus	2779
NC_030292	<i>Mustela putorius</i> (ferret)	Netherlands	2010	-	Alphacoronavirus	2779
NC_028806	pig	Italy	40060	-	Alphacoronavirus	2779
NC_023760	<i>Mustela vison</i>	USA: Wisconsin	01-Jan-1998	-	Alphacoronavirus	2779
NC_002306	feline	USA	-	-	Alphacoronavirus	2779
NC_003436	pig	-	-	-	Alphacoronavirus	2774
NC_039208	pig	China: Hong Kong	2010	-	Deltacoronavirus	2782
NC_010800	turkey	Canada	-	-	Gammacoronavirus	2800
NC_048214	duck	China	2014	-	Gammacoronavirus	2839
NC_048213	chicken	India	2003	-	Gammacoronavirus	2800
NC_046965	<i>Branta canadensis</i>	Canada	Aug-2017	-	Gammacoronavirus	2833
NC_001451	bird	-	-	-	Gammacoronavirus	2800
NC_011547	red-whiskered bulbul	Hong Kong	Jan-2007	-	Deltacoronavirus	2782
NC_016992	sparrow	China: Hong Kong	2007	-	Deltacoronavirus	2782
NC_016991	white-eye	China: Hong Kong	2007	-	Deltacoronavirus	2782
NC_016996	common moorhen	China: Hong Kong	2007	-	Deltacoronavirus	2782
NC_016995	wigeon	China: Hong Kong	2008	-	Deltacoronavirus	2731
NC_016994	night-heron	China: Hong Kong	2007	-	Deltacoronavirus	2788
NC_016993	magpie-robin	China: Hong Kong	2007	-	Deltacoronavirus	2782
NC_011550	white-rumped munia	Hong Kong	Apr-2007	-	Deltacoronavirus	2782
NC_011549	grey-backed thrush	Hong Kong	Jan-2007	-	Deltacoronavirus	2782
NC_001846	mouse	-	-	-	Betacoronavirus	2782
NC_048217	mouse	-	-	-	Betacoronavirus	2782
AC_000192	mouse	-	-	-	Betacoronavirus	2782