

NC 045512.2 Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) [GenBank]

hCoV-19/Brazil/PE-AM138/2020  
hCoV-19/Brazil/PE-AM08/2020  
hCoV-19/Brazil/PE-AM221/2020  
hCoV-19/Brazil/PE-AM1010/2020  
hCoV-19/Brazil/PE-AM1103/2020  
hCoV-19/Brazil/PE-AM139/2020  
hCoV-19/Brazil/PE-AM158/2020  
hCoV-19/Brazil/PE-AM16/2020  
hCoV-19/Brazil/PE-AM167/2020  
hCoV-19/Brazil/PE-AM17/2020  
hCoV-19/Brazil/PE-AM171/2020  
hCoV-19/Brazil/PE-AM18/2020  
hCoV-19/Brazil/PE-AM19/2020  
hCoV-19/Brazil/PE-AM203/2020  
hCoV-19/Brazil/PE-AM211/2020  
hCoV-19/Brazil/PE-AM212/2020  
hCoV-19/Brazil/PE-AM215/2020  
hCoV-19/Brazil/PE-AM220/2020  
hCoV-19/Brazil/PE-AM226/2020  
hCoV-19/Brazil/PE-AM230/2020  
hCoV-19/Brazil/PE-AM235/2020  
hCoV-19/Brazil/PE-AM238/2020  
hCoV-19/Brazil/PE-AM239/2020  
hCoV-19/Brazil/PE-AM273/2020  
hCoV-19/Brazil/PE-AM29/2020  
hCoV-19/Brazil/PE-AM291/2020  
hCoV-19/Brazil/PE-AM30/2020  
hCoV-19/Brazil/PE-AM305/2020  
hCoV-19/Brazil/PE-AM307/2020  
hCoV-19/Brazil/PE-AM311/2020  
hCoV-19/Brazil/PE-AM355/2020  
hCoV-19/Brazil/PE-AM356/2020  
hCoV-19/Brazil/PE-AM39/2020  
hCoV-19/Brazil/PE-AM48/2020  
hCoV-19/Brazil/PE-AM67/2020  
hCoV-19/Brazil/PE-AM84/2020  
hCoV-19/Brazil/PE-AM87/2020  
hCoV-19/Brazil/PE-AM89/2020  
hCoV-19/Brazil/PE-AM1447/2020  
hCoV-19/Brazil/PE-AM1451/2020  
hCoV-19/Brazil/PE-AM1459/2020  
hCoV-19/Brazil/PE-AM1983/2020  
hCoV-19/Brazil/PE-AM384/2020  
hCoV-19/Brazil/PE-AM391/2020  
hCoV-19/Brazil/PE-AM395/2020  
hCoV-19/Brazil/PE-AM397/2020  
hCoV-19/Brazil/PE-AM404/2020  
hCoV-19/Brazil/PE-AM448/2020  
hCoV-19/Brazil/PE-AM458/2020  
hCoV-19/Brazil/PE-AM474/2020  
hCoV-19/Brazil/PE-AM479/2020  
hCoV-19/Brazil/PE-AM495/2020  
hCoV-19/Brazil/PE-AM544/2020  
hCoV-19/Brazil/PE-AM604/2020  
hCoV-19/Brazil/PE-AM620/2020  
hCoV-19/Brazil/PE-AM662/2020  
hCoV-19/Brazil/PE-AM707/2020  
hCoV-19/Brazil/PE-AM711/2020  
hCoV-19/Brazil/PE-AM714/2020  
hCoV-19/Brazil/PE-AM959/2020  
hCoV-19/Brazil/PE-AM959/2020  
hCoV-19/Brazil/PE-AM960/2020  
hCoV-19/Brazil/PE-AM961/2020  
hCoV-19/Brazil/PE-AM965/2020  
hCoV-19/Brazil/PE-AM967/2020  
hCoV-19/Brazil/PE-AM977/2020  
hCoV-19/Brazil/PE-AM981/2020  
hCoV-19/Brazil/PE-AM981/2020  
hCoV-19/Brazil/PE-AM992/2020  
hCoV-19/Brazil/PE-AM109/2020  
hCoV-19/Brazil/PE-AM1026/2020  
hCoV-19/Brazil/PE-AM1064/2020  
hCoV-19/Brazil/PE-AM1082/2020  
hCoV-19/Brazil/PE-AM1092/2020  
hCoV-19/Brazil/PE-AM1093/2020  
hCoV-19/Brazil/PE-AM1116/2020  
hCoV-19/Brazil/PE-AM1126/2020  
hCoV-19/Brazil/PE-AM1127/2020  
hCoV-19/Brazil/PE-AM1148/2020  
hCoV-19/Brazil/PE-AM1149/2020  
hCoV-19/Brazil/PE-AM1237/2020  
hCoV-19/Brazil/PE-AM1254/2020  
hCoV-19/Brazil/PE-AM1264/2020  
hCoV-19/Brazil/PE-AM1309/2020  
hCoV-19/Brazil/PE-AM1314/2020  
hCoV-19/Brazil/PE-AM1324/2020  
hCoV-19/Brazil/PE-AM1348/2020  
hCoV-19/Brazil/PE-AM1352/2020  
hCoV-19/Brazil/PE-AM1399/2020  
hCoV-19/Brazil/PE-AM1434/2020  
hCoV-19/Brazil/PE-AM1440/2020  
hCoV-19/Brazil/PE-AM719/2020  
hCoV-19/Brazil/PE-AM726/2020  
hCoV-19/Brazil/PE-AM766/2020  
hCoV-19/Brazil/PE-AM807/2020  
hCoV-19/Brazil/PE-AM889/2020  
hCoV-19/Brazil/PE-AM887/2020  
hCoV-19/Brazil/PE-AM900/2020  
hCoV-19/Brazil/PE-AM914/2020  
hCoV-19/Brazil/PE-AM939/2020  
hCoV-19/Brazil/PE-AM957/2020





	14330	14340	14350	14360	14370	14380	14390	14400	14410	14420	14430	14440	14450
NC_045512.2 Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM130/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM081/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM221/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM10/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM103/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM117/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM158/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM16/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM167/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM17/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM171/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM18/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM19/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM209/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM212/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM212/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM215/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM220/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM226/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM230/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM235/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM238/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM248/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM273/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM29/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM291/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM30/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM305/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM307/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM311/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM355/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM356/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM39/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM48/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM67/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM84/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM87/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM95/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM1447/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM1451/2020	A	T	G	C	T	G	T	G	C	T	G	T	G
hCoV-19/Brazil/PE-IAM1468/2020	A	T	G	C	T								

hCoV-19/Brazil/FE-AM138/2020	P	P	N	N	C	C	V	N	C	C	L	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM08/2020	P	P	N	N	C	C	C	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM221/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM10/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM103/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM139/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM158/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM16/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM167/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM17/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM171/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM18/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM19/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM209/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM211/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM212/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM215/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM220/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM226/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM230/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM235/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM238/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM248/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM273/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM29/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM291/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM30/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM305/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM307/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM311/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM355/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM356/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM39/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM48/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM67/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM84/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM87/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM89/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM1447/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM1451/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM1458/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM383/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM384/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM391/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM395/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I	L	H	C	C	A	N	F	N	V	L	P	S	T	V	F	P	P	T	S	F	G	P	L	V	R	K	I	F	V	O	G	V
hCoV-19/Brazil/FE-AM397/2020	P	P	N	N	V	N	N	C	C	L	D	D	D	D	R	C	I																																