

S1 Table. All Chinese genome sequences. All genomes registered in Wolfram Repository “Genetic Sequences for the SARS-CoV-2 Coronavirus” with complete *NucleotideStatus* and human *Host* from China (data accessed 19/08/2020) [1].

Accession Number	Collection Date	Length	Geographic Location	Included?	Justification
MN908947	26 Dec 2019*	29903	Wuhan, Hubei**	Y	
MN938384	10 Jan 2020	29838	Shenzen, Guangdong	Y	
MN975262	11 Jan 2020	29891	Wuhan, Hubei**	Y	
MN988668	02 Jan 2020	29881	Wuhan, Hubei**	Y	
MN988669	02 Jan 2020	29881	Wuhan, Hubei**	Y	
MN996527	30 Dec 2019	29825	Wuhan, Hubei	Y	
MN996528	30 Dec 2019	29891	Wuhan, Hubei	Y	
MN996529	30 Dec 2019	29852	Wuhan, Hubei	Y	
MN996530	30 Dec 2019	29854	Wuhan, Hubei	Y	
MN996531	30 Dec 2019	29857	Wuhan, Hubei	Y	
MT019529	23 Dec 2019	29899	Wuhan, Hubei	Y	
MT019530	30 Dec 2019	29889	Wuhan, Hubei	N	MT19530 to MT19532: Might be biased data (sequences from the same
MT019531	30 Dec 2019	29899	Wuhan, Hubei	N	researchers, collected at the same day and with quite the same length,
MT019532	30 Dec 2019	29890	Wuhan, Hubei	N	with no other informations up to the date we have made the analysis).*
MT019533	01 Jan 2020	29883	Wuhan, Hubei	Y	
MT034054	03 Jan 2020	29885	Beijing	Y	
MT039873	20 Jan 2020	29833	Hangzhou, Zhejiang	Y	
MT039874	22 Jan 2020	29858	Hangzhou, Zhejiang**	Y	
MT049951	17 Jan 2020	29903	Kunming, † Yunnan	Y	
MT079843	22 Jan 2020	29915	Wuhan, Hubei**	Y	MT079843 to MT079854: Might be biased data (probable nosocomial
MT079844	22 Jan 2020	29910	Wuhan, Hubei**	N	transmission).**
MT079845	22 Jan 2020	29955	Wuhan, Hubei**	N	Then we have included only one genome.
MT079846	22 Jan 2020	29903	Wuhan, Hubei**	N	
MT079847	22 Jan 2020	29872	Wuhan, Hubei**	N	
MT079848	22 Jan 2020	29880	Wuhan, Hubei**	N	
MT079849	22 Jan 2020	29904	Wuhan, Hubei**	N	
MT079850	22 Jan 2020	29885	Wuhan, Hubei**	N	
MT079851	22 Jan 2020	30018	Wuhan, Hubei**	N	
MT079852	22 Jan 2020	29891	Wuhan, Hubei**	N	
MT079853	22 Jan 2020	29766	Wuhan, Hubei**	N	
MT079854	22 Jan 2020	29897	Wuhan, Hubei**	N	
MT093631	08 Jan 2020	29860	Beijing†	N	No detailed geographic information available.
MT121215	02 Feb 2020	29945	Shanghai	Y	

MT123290	05 Feb 2020	29891	Guangzhou, Guangdong	Y	
MT123291	29 Jan 2020	29882	Guangzhou, Guangdong	Y	
MT123292	27 Jan 2020	29923	Guangzhou, Guangdong	Y	
MT123293	29 Jan 2020	29871	Guangzhou, Guangdong	Y	
MT135041	26 Jan 2020	29903	Beijing	N	MT135041 to MT135044: Might be biased data (the lengths are all the same).
MT135042	28 Jan 2020	29903	Beijing	N	
MT135043	28 Jan 2020	29903	Beijing	N	Then we have included only one genome
MT135044	28 Jan 2020	29903	Beijing	Y	
MT226610	20 Jan 2020	29899	Kunming, Yunnan†	N	No detailed geographic information available.
MT253696	23 Jan 2020	29781	Hangzhou, Zhejiang	N	MT253696 to MT253710: Might be biased data (cluster of cases*); also they all have the same length).
MT253697	23 Jan 2020	29781	Hangzhou, Zhejiang	N	
MT253698	23 Jan 2020	29781	Hangzhou, Zhejiang	N	Then we have included only one genome.
MT253699	24 Jan 2020	29781	Hangzhou, Zhejiang	N	
MT253700	25 Jan 2020	29781	Hangzhou, Zhejiang	N	
MT253701	21 Jan 2020	29781	Hangzhou, Zhejiang	N	
MT253702	21 Jan 2020	29781	Hangzhou, Zhejiang	N	
MT253703	25 Jan 2020	29781	Hangzhou, Zhejiang	N	
MT253704	25 Jan 2020	29781	Hangzhou, Zhejiang	N	
MT253705	22 Jan 2020	29781	Hangzhou, Zhejiang	N	
MT253706	22 Jan 2020	29781	Hangzhou, Zhejiang	N	
MT253707	25 Jan 2020	29781	Hangzhou, Zhejiang	N	
MT253708	21 Jan 2020	29781	Hangzhou, Zhejiang	N	
MT253709	21 Jan 2020	29781	Hangzhou, Zhejiang	N	
MT253710	21 Jan 2020	29781	Hangzhou, Zhejiang	Y	
MT259226	10 Jan 2020	29868	Wuhan, Hubei	Y	
MT259227	26 Jan 2020	29863	Wuhan, Hubei	Y	
MT259228	26 Jan 2020	29861	Wuhan, Hubei	Y	
MT259229	26 Jan 2020	29864	Wuhan, Hubei	Y	
MT259230	25 Jan 2020	29866	Wuhan, Hubei	Y	
MT259231	25 Jan 2020	29865	Wuhan, Hubei	Y	
MT281577	10 Mar 2020	29903	Fujiyang, Anhui	Y	
MT291826	30 Dec 2019	29807	Wuhan, Hubei	Y	
MT291827	30 Dec 2019	29858	Wuhan, Hubei	Y	
MT291828	30 Dec 2019	29858	Wuhan, Hubei	Y	
MT291829	30 Dec 2019	29774	Wuhan, Hubei	Y	
MT291830	30 Dec 2019	29807	Wuhan, Hubei	Y	
MT291831	24 Jan 2020	29872	Beijing	Y	
MT291832	25 Jan 2020	29828	Beijing	Y	

