

## LAMPIRAN

**Lampiran 1. Data Analisis Nextclade Genom Virus SARS-CoV-2 Asal Indonesia**

seqName	Total Insertions	Total Mutations	Total PcrPrimerChanges	Deletions	pcrPrimerChanges
hCoV-19/Indonesia/JK-EIJK-0141/2020 EPI_ISL_435281 2020-03-17	0	4	0		
hCoV-19/Indonesia/JK-EIJK-0317/2020 EPI_ISL_435282 2020-03-19					
hCoV-19/Indonesia/JK-EIJK-2444/2020 EPI_ISL_435283 2020-03-30	20	3	0		
hCoV-19/Indonesia/JI-ITD-853Sp/2020 EPI_ISL_437187 2020-03-25	0	2	0		
hCoV-19/Indonesia/JI-ITD-3590NT/2020 EPI_ISL_437188 2020-04-14	0	10	1		Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/JK-EIJK-01/2020 EPI_ISL_437189 2020-03-26	0	3	0		
hCoV-19/Indonesia/JK-EIJK-02/2020 EPI_ISL_437190 2020-03-26	0	1	0		
hCoV-19/Indonesia/JK-EIJK-03/2020 EPI_ISL_437191 2020-03-27	0	1	0		
hCoV-19/Indonesia/JK-EIJK-04/2020 EPI_ISL_437192 2020-04-01	0	5	0		
hCoV-19/Indonesia/JI-ITD-1238Sp/2020 EPI_ISL_458079 2020-03-30	0	5	0		
hCoV-19/Indonesia/JI-ITD-1273NT/2020 EPI_ISL_458081 2020-03-30	0	4	0		
hCoV-19/Indonesia/JI-ITD-	0	2	1		USCDC_N2_R:C29218T

3101NT/2020 EPI_ISL_458083 2020-04-11					
hCoV-19/Indonesia/KI-EIJK-05/2020 EPI_ISL_467374 2020-03-18	0	2	0		
hCoV-19/Indonesia/SA-EIJK-06/2020 EPI_ISL_467375 2020-03-23	0	3	0		
hCoV-19/Indonesia/JK-EIJK-07/2020 EPI_ISL_467376 2020-04-24	0	1	0		
hCoV-19/Indonesia/JB-TFRIC19-L4173/2020 EPI_ISL_511879 2020-07-08	0	13	1		Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/YO-UGM-202449/2020 EPI_ISL_516800 2020-06-22	0	11	0		
hCoV-19/Indonesia/YO-UGM-200927/2020 EPI_ISL_516806 2020-05-16	0	6	1	24	USCDC_N2_P:A29209G
hCoV-19/Indonesia/YO-UGM-781481/2020 EPI_ISL_516829 2020-08-10	0	17	2		USCDC_N3_R:T28735C;A28752G
hCoV-19/Indonesia/TNG-LIPI001/2020 EPI_ISL_518819 2020-08-13	0	17	2		USCDC_N1_P:C28332T,Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/JT-UGM-202538/2020 EPI_ISL_525492 2020-06-26	0	14	0		
hCoV-19/Indonesia/JB-TFRIC19-R24754/2020 EPI_ISL_528745 2020-06-22	0	13	1		Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/JB-TFRIC19-R47609/2020 EPI_ISL_528746 2020-07-21	0	15	1		Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/JB-TFRIC19-R30535/2020 EPI_ISL_528747 2020-06-28	0	9	3		ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Indonesia/JB-TFRIC19-R48562/2020 EPI_ISL_528748 2020-07-23	0	5	0		
hCoV-19/Indonesia/JB-TFRIC19-R4975/2020 EPI_ISL_528749 2020-05-07	0	8	0		
hCoV-19/Indonesia/JB-TFRIC19-R49542/2020 EPI_ISL_528750 2020-07-25	0	14	0		

hCoV-19/Indonesia/JB-TFRIC19-R49344/2020 EPI_ISL_528751 2020-07-23	0	15	1	Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/JB-TFRIC19-R48875/2020 EPI_ISL_528752 2020-07-23	0	13	0	
hCoV-19/Indonesia/JB-TFRIC19-R53817/2020 EPI_ISL_528753 2020-08-04	0	13	1	Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/JB-TFRIC19-R49544/2020 EPI_ISL_528759 2020-07-25	0	16	1	Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/EJ-ITD-8402NT/2020 EPI_ISL_529138 2020-05-11	0	7	0	
hCoV-19/Indonesia/JI-ITD-136N/2020 EPI_ISL_529961 2020-03-12	0	1	0	
hCoV-19/Indonesia/JI-ITD-150Sp/2020 EPI_ISL_529962 2020-03-16	0	0	0	
hCoV-19/Indonesia/JI-ITD-17398NT/2020 EPI_ISL_529963 2020-07-18	0	14	1	Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/JI-ITD-1273V/2020 EPI_ISL_529964 2020-03-30	0	4	0	
hCoV-19/Indonesia/JI-ITD-4859V/2020 EPI_ISL_529965 2020-04-22	0	9	1	Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/JI-ITD-7061V/2020 EPI_ISL_529966 2020-05-05	0	8	0	
hCoV-19/Indonesia/JI-ITD-12202V/2020 EPI_ISL_529967 2020-06-09	0	10	1	Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/JI-NIHRD-PME0999/2020 EPI_ISL_538498 2020	0	9	1	Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/JI-NIHRD-PME2054/2020 EPI_ISL_538499 2020	0	9	1	Pasteur_IP4_P:C14120T
hCoV-19/Indonesia/SU-NIHRD-PME4745/2020 EPI_ISL_538500 2020	0	14	0	
hCoV-19/Indonesia/SU-NIHRD-PME4760/2020 EPI_ISL_538501 2020	0	13	0	

hCoV-19/Indonesia/KT-NIHRD-PME4206/2020 EPI_ISL_538502 2020	0	11	0	
hCoV-19/Indonesia/BA-NIHRD-PME3926/2020 EPI_ISL_538503 2020	0	8	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Indonesia/JK-NIHRD-MI41613/2020 EPI_ISL_538504 2020-07-27	0	14	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Indonesia/JK-NIHRD-MI52885/2020 EPI_ISL_538505 2020-08-20	0	15	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Indonesia/PA-NIHRD-C0710717/2020 EPI_ISL_538506 2020-06-13	0	6	2	HKU_N_R:G29254A,ChinaCDC_N_F:G28899T
hCoV-19/Indonesia/PA-NIHRD-C0710684/2020 EPI_ISL_538507 2020-06-13	0	4	1	HKU_N_R:G29254A
hCoV-19/Indonesia/JK-NIHRD-MI2851/2020 EPI_ISL_538508 2020-05-17	0	9	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Indonesia/JK-NIHRD-MI52946/2020 EPI_ISL_538509 2020-08-20	0	12	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Indonesia/KS-NIHRD-PME4900/2020 EPI_ISL_538510 2020-08-06	0	13	1	CharitÄ©_N_R:C28833T
hCoV-19/Indonesia/JI-NIHRD-PME5011/2020 EPI_ISL_538511 2020	0	15	0	
hCoV-19/Indonesia/PA-NIHRD-PME4306/2020 EPI_ISL_538512 2020-07-30	0	10	1	HKU_N_R:G29254A
hCoV-19/Indonesia/JB-NIHRD-PME4992/2020 EPI_ISL_538513 2020	8	17	1	Pasteur_IP4_P:G14118T
hCoV-19/Indonesia/EJ-ITD-3601NT/2020 EPI_ISL_560991 2020-04-14	0	8	1	USCDC_N1_P:C28311T
hCoV-19/Indonesia/JI-EIJK-10/2020 EPI_ISL_568686 2020-03-26	0	1	0	
hCoV-19/Indonesia/JK-EIJK-23/2020 EPI_ISL_568687 2020-04-11	0	2	0	
hCoV-19/Indonesia/JK-EIJK-32/2020 EPI_ISL_568688 2020-04-22	0	3	0	

hCoV-19/Indonesia/JK-EIJK-38/2020 EPI_ISL_568689 2020-05-20	0	10	0	
hCoV-19/Indonesia/JK-EIJK-39/2020 EPI_ISL_568690 2020-05-26	0	1	0	
hCoV-19/Indonesia/JK-EIJK-40/2020 EPI_ISL_568691 2020-05-27	0	5	0	
hCoV-19/Indonesia/JK-EIJK-43/2020 EPI_ISL_568692 2020-06-04	0	8	0	
hCoV-19/Indonesia/PP-EIJK-11/2020 EPI_ISL_568693 2020-03-28	0	0	0	
hCoV-19/Indonesia/SA-EIJK-12/2020 EPI_ISL_568694 2020-03-27	0	3	0	
hCoV-19/Indonesia/JK-NIHRD-C0027475/2020 EPI_ISL_574433 2020-07-03	0	12	0	
hCoV-19/Indonesia/PA-EIJK09/2020 EPI_ISL_574603 2020-03-23	0	2	0	
hCoV-19/Indonesia/SA-EIJK13/2020 EPI_ISL_574604 2020-03-24	0	4	0	
hCoV-19/Indonesia/YO-EIJK15/2020 EPI_ISL_574605 2020-03-30	0	5	0	
hCoV-19/Indonesia/JB-EIJK16/2020 EPI_ISL_574606 2020-04-06	0	7	1	USCDC_N1_P:C28311T
hCoV-19/Indonesia/JK-EIJK19/2020 EPI_ISL_574607 2020-04-09	0	5	1	USCDC_N1_P:G28321A
hCoV-19/Indonesia/JK-EIJK20/2020 EPI_ISL_574608 2020-04-09	0	7	0	
hCoV-19/Indonesia/JK-EIJK24/2020 EPI_ISL_574609 2020-04-13	0	1	0	
hCoV-19/Indonesia/JK-EIJK34/2020 EPI_ISL_574610 2020-04-23	0	2	0	
hCoV-19/Indonesia/BT-EIJK36/2020 EPI_ISL_574611 2020-05-06	0	6	0	

hCoV-19/Indonesia/JB-EIJK41/2020 EPI_ISL_574612 2020-05-31	0	4	0	
hCoV-19/Indonesia/JK-EIJK42/2020 EPI_ISL_574613 2020-06-03	0	5	0	
hCoV-19/Indonesia/JK-EIJK45/2020 EPI_ISL_574614 2020-06-04	0	9	2	ChinaCDC_N_F:G28899T,USCD C_N1_P:C28311T
hCoV-19/Indonesia/JK-EIJK46/2020 EPI_ISL_574615 2020-06-05	0	6	0	
hCoV-19/Indonesia/JK-EIJK47/2020 EPI_ISL_574616 2020-06-08	0	6	0	
hCoV-19/Indonesia/JK-EIJK48/2020 EPI_ISL_574617 2020-06-08	0	8	0	
hCoV-19/Indonesia/JK-EIJK49/2020 EPI_ISL_574618 2020-06-08	0	11	0	
hCoV-19/Indonesia/SA-EIJK50/2020 EPI_ISL_574619 2020-06-16	0	6	0	
hCoV-19/Indonesia/SA-EIJK51/2020 EPI_ISL_574620 2020-06-17	0	8	1	USCDC_N1_P:C28311T
hCoV-19/Indonesia/SA-EIJK52/2020 EPI_ISL_574621 2020-06-16	0	8	1	USCDC_N1_P:C28311T
hCoV-19/Indonesia/SA-EIJK53/2020 EPI_ISL_574622 2020-06-17	0	8	1	USCDC_N1_P:C28311T
hCoV-19/Indonesia/SA-EIJK54/2020 EPI_ISL_574623 2020-06-18	0	11	1	USCDC_N1_P:C28311T
hCoV-19/Indonesia/YO-UGM-00061/2020 EPI_ISL_575331 2020-06-16	0	14	0	
hCoV-19/Indonesia/YO-UGM-10001/2020 EPI_ISL_576113 2020-08-18	0	21	1	Pasteur_IP4_R:C14183T
hCoV-19/Indonesia/YO-UGM-10002/2020 EPI_ISL_576114 2020-08-13	0	17	0	03- Aug
hCoV-19/Indonesia/YO-UGM-10003/2020 EPI_ISL_576115 2020-08-16	0	21	1	Pasteur_IP4_R:C14183T

hCoV-19/Indonesia/YO-UGM-10004/2020 EPI_ISL_576116 2020-08-20	0	21	1	Pasteur_IP4_R:C14183T
hCoV-19/Indonesia/YO-UGM-10005/2020 EPI_ISL_576128 2020-08-21	0	15	0	
hCoV-19/Indonesia/YO-UGM-10006/2020 EPI_ISL_576130 2020-08-18	0	15	0	
hCoV-19/Indonesia/YO-UGM-107727/2020 EPI_ISL_576145 2020-07-30	0	13	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Indonesia/JT-UGM-47906/2020 EPI_ISL_576383 2020-09-01	0	14	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Indonesia/JK-NIHRD-MI43269/2020 EPI_ISL_576386 2020-07-30	0	13	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Indonesia/JK-NIHRD-MI52948/2020 EPI_ISL_576387 2020	0	12	3	ChinaCDC_N_F:G28881A;G28882A;G28883C

Lampiran 2. Data Analisis Nextclade Genom Virus SARS-CoV-2 Asal Thailand

seqName	total Insertions	total Mutations	total Pcr Primer Changes	Deletions	pcr Primer Changes
hCoV-19/Thailand/61/2020 EPI_ISL_403962 2020-01-08	0	0	0		
hCoV-19/Thailand/74/2020 EPI_ISL_403963 2020-01-13	0	0	0		
hCoV-19/Thailand/Bangkok-0017/2020 EPI_ISL_423039 2020-03-21	0	9	3		ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/Bangkok-0019/2020 EPI_ISL_423040 2020-03-20	0	9	0		
hCoV-19/Thailand/Bangkok-0020/2020 EPI_ISL_423041 2020-03-21	0	6	0		
hCoV-19/Thailand/Bangkok-0021/2020 EPI_ISL_423042 2020-03-24	0	8	0		
hCoV-19/Thailand/Bangkok-0022/2020 EPI_ISL_423043 2020-03-18	0	9	3		ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/Bangkok-0025/2020 EPI_ISL_429164 2020-03-13	0	9	0		
hCoV-19/Thailand/Bangkok-0026/2020 EPI_ISL_429165 2020-03-13	0	9	0		
hCoV-19/Thailand/Bangkok-0028/2020 EPI_ISL_429166 2020-03-13	0	9	0		
hCoV-19/Thailand/Bangkok-0029/2020 EPI_ISL_429167 2020-03-13	0	8	0		
hCoV-19/Thailand/Bangkok-0033/2020 EPI_ISL_429169 2020-03-17	0	8	3		ChinaCDC_N_F:G28881A;G28882A;G28883C



hCoV-19/Thailand/Bangkok-0034/2020 EPI_ISL_429170 2020-03-17	0	8	0	
hCoV-19/Thailand/Bangkok-0035/2020 EPI_ISL_429171 2020-03-18	0	9	0	
hCoV-19/Thailand/Bangkok-0036/2020 EPI_ISL_429172 2020-03-21	0	9	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/Bangkok-0037/2020 EPI_ISL_429173 2020-03-21	0	8	0	
hCoV-19/Thailand/Bangkok-0038/2020 EPI_ISL_429174 2020-03-25	0	6	0	
hCoV-19/Thailand/Bangkok-0039/2020 EPI_ISL_429175 2020-03-28	0	9	2	USCDC_N1_P:C28311G,USCDC_N3_F:T28688C
hCoV-19/Thailand/Bangkok-0041/2020 EPI_ISL_429177 2020-03-28	0	8	0	
hCoV-19/Thailand/Bangkok-0042/2020 EPI_ISL_429178 2020-03-28	0	7	0	
hCoV-19/Thailand/Bangkok-0043/2020 EPI_ISL_429179 2020-03-28	0	6	0	
hCoV-19/Thailand/Bangkok-0045/2020 EPI_ISL_429181 2020-03-28	0	6	0	
hCoV-19/Thailand/Bangkok-0046/2020 EPI_ISL_429182 2020-03-28	0	6	0	
hCoV-19/Thailand/Bangkok-0047/2020 EPI_ISL_429183 2020-03-28	0	6	0	
hCoV-19/Thailand/Bangkok-0048/2020 EPI_ISL_429184 2020-03-28	0	8	0	
hCoV-19/Thailand/TNIC-1889/2020 EPI_ISL_430837 2020-03-03	0	8	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/NIH-2492/2020 EPI_ISL_430841 2020-03-17	8	12	0	
hCoV-19/Thailand/NIH-2982/2020 EPI_ISL_430842 2020-03-18	0	8	0	

hCoV-19/Thailand/NIH-59/2020 EPI_ISL_434693 2020-01-16	0	0	0	
hCoV-19/Thailand/NIH-162/2020 EPI_ISL_434694 2020-01-22	0	1	0	
hCoV-19/Thailand/NIH-1889/2020 EPI_ISL_434697 2020-03-03	0	8	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/NIH-2296/2020 EPI_ISL_434699 2020-03-13	0	9	0	
hCoV-19/Thailand/NIH-2472/2020 EPI_ISL_434701 2020-03-14	0	9	0	
hCoV-19/Thailand/NIH-2489/2020 EPI_ISL_434703 2020-03-14	0	9	0	
hCoV-19/Thailand/NIH-2492-2/2020 EPI_ISL_434704 2020-03-17	8	12	0	
hCoV-19/Thailand/NIH-2720/2020 EPI_ISL_434705 2020-03-16	0	11	0	29861-29865,29867-29871
hCoV-19/Thailand/NIH-2721/2020 EPI_ISL_434706 2020-03-16	0	10	0	
hCoV-19/Thailand/NIH-2982-2/2020 EPI_ISL_434708 2020-03-18	0	8	0	
hCoV-19/Thailand/SI206917-NT/2020 EPI_ISL_437602 2020-03-20	0	9	0	
hCoV-19/Thailand/SI206587-NT/2020 EPI_ISL_437603 2020-03-19	0	9	0	
hCoV-19/Thailand/SI206377-NST/2020 EPI_ISL_437604 2020-03-01	0	9	0	
hCoV-19/Thailand/SI205929-NT/2020 EPI_ISL_437605 2020-03-18	0	13	0	
hCoV-19/Thailand/SI205529-NT/2020 EPI_ISL_437606 2020-03-18	0	11	1	HKU_N_R:C29253T

hCoV-19/Thailand/SI205457- NST/2020 EPI_ISL_437607 2020-03-16	0	12	0	
hCoV-19/Thailand/SI204713- NT/2020 EPI_ISL_437608 2020-03-13	0	8	0	
hCoV-19/Thailand/SI204514- NT/2020 EPI_ISL_437609 2020-03-12	0	8	0	
hCoV-19/Thailand/SI204512- NT/2020 EPI_ISL_437610 2020-03-12	0	9	0	
hCoV-19/Thailand/SI204487- NT/2020 EPI_ISL_437611 2020-03-11	0	9	0	
hCoV-19/Thailand/SI203285- NT/2020 EPI_ISL_437612 2020-01-23	0	8	0	
hCoV-19/Thailand/SI202872- NT/2020 EPI_ISL_437613 2020-02-25	0	9	0	
hCoV-19/Thailand/SI202769- NT/2020 EPI_ISL_437614 2020-02-25	0	7	0	
hCoV-19/Thailand/SI202620- NT/2020 EPI_ISL_437615 2020-02-22	0	6	0	
hCoV-19/Thailand/SI202205- NT/2020 EPI_ISL_437616 2020-02-07	0	4	0	
hCoV-19/Thailand/SI201712- NT/2020 EPI_ISL_437617 2020-02-03	0	2	0	
hCoV-19/Thailand/SI200615- NT/2020 EPI_ISL_437618 2020-01-29	0	4	0	
hCoV-19/Thailand/SI200478- NST/2020 EPI_ISL_437619 2020-01-26	0	2	0	
hCoV-19/Thailand/SI200468- NT/2020 EPI_ISL_437620 2020-01-25	0	4	0	
hCoV-19/Thailand/SI200433- NT/2020 EPI_ISL_437621 2020-01-25	0	0	0	
hCoV-19/Thailand/SI200383- NT/2020 EPI_ISL_437622 2020-01-23	0	2	0	

hCoV-19/Thailand/SI200040-NT/2020 EPI_ISL_437623 2020-01-08	0	0	0	
hCoV-19/Thailand/SI200893-NT/2020 EPI_ISL_437624 2020-02-01	0	2	0	
hCoV-19/Thailand/Bangkok-0054/2020 EPI_ISL_446996 2020-03-28	0	6	0	
hCoV-19/Thailand/Bangkok-0069/2020 EPI_ISL_447011 2020-03-29	0	5	0	
hCoV-19/Thailand/Bangkok-0074/2020 EPI_ISL_447015 2020-03-31	0	9	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/Bangkok-0076/2020 EPI_ISL_447017 2020-03-31	0	7	0	
hCoV-19/Thailand/Bangkok-0078/2020 EPI_ISL_447019 2020-04-01	0	9	2	USCDC_N1_P:C28311G,USCDC_N3_F:T28688C
hCoV-19/Thailand/Bangkok-0079/2020 EPI_ISL_447020 2020-04-01	0	9	0	
hCoV-19/Thailand/Bangkok-0084/2020 EPI_ISL_447025 2020-04-02	0	9	2	USCDC_N1_P:C28311G,USCDC_N3_F:T28688C
hCoV-19/Thailand/Bangkok-0085/2020 EPI_ISL_447026 2020-04-03	0	10	0	
hCoV-19/Thailand/Siriraj_1/2020 EPI_ISL_447906 2020	0	8	0	
hCoV-19/Thailand/Siriraj_2/2020 EPI_ISL_447907 2020	0	11	0	
hCoV-19/Thailand/Siriraj_5/2020 EPI_ISL_447908 2020	0	9	0	
hCoV-19/Thailand/Nonthaburi_59/2020 EPI_ISL_447909 2020-01-13	0	0	0	

hCoV-19/Thailand/Nonthaburi_68/2020 EPI_ISL_447910 2020-01-15	0	0	0		
hCoV-19/Thailand/Nonthaburi_193/2020 EPI_ISL_447911 2020-01-24	0	4	0		
hCoV-19/Thailand/Bangkok_237/2020 EPI_ISL_447912 2020-01-25	0	4	0		
hCoV-19/Thailand/Bangkok_238/2020 EPI_ISL_447913 2020-01-31	0	4	0		
hCoV-19/Thailand/Phuket_247/2020 EPI_ISL_447914 2020-01-25	0	0	0		
hCoV-19/Thailand/Bangkok_269/2020 EPI_ISL_447915 2020-01-26	0	2	0		
hCoV-19/Thailand/Bangkok_323/2020 EPI_ISL_447916 2020-01-29	0	3	1		CharitÃ©_E_R:C26370T
hCoV-19/Thailand/Nonthaburi_363/2020 EPI_ISL_447917 2020-01-29	0	2	0		
hCoV-19/Thailand/Bangkok_580/2020 EPI_ISL_447918 2020-02-01	0	5	0		
hCoV-19/Thailand/Samutprakarn_840/2020 EPI_ISL_447919 2020-02-04	0	5	0		
hCoV-19/Thailand/Bangkok_1716/2020 EPI_ISL_447920 2020-02-25	0	9	0		

hCoV-19/Thailand/Bangkok_2294/2020 EPI_ISL_447921 2020-03-13	0	7	1		USCDC_N1_P:C28311T
hCoV-19/Thailand/Bangkok_168/2020 EPI_ISL_450196 2020-01-23	0	5	0		
hCoV-19/Thailand/Nonthaburi_2520/2020 EPI_ISL_450197 2020-03-14	0	8	3		ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/Bangkok-CONI-0018/2020 EPI_ISL_450723 2020-03-20	0	9	0	27696-27700	
hCoV-19/Thailand/Nonthaburi_2982/2020 EPI_ISL_455583 2020-03-18	0	8	0		
hCoV-19/Thailand/Phatumthani_2980/2020 EPI_ISL_455584 2020-03-18	0	9	0		
hCoV-19/Thailand/Bangkok_2974/2020 EPI_ISL_455585 2020-03-14	0	9	0		
hCoV-19/Thailand/Bangkok_2972/2020 EPI_ISL_455586 2020-03-17	0	6	0		
hCoV-19/Thailand/Nakhonnayok_2829/2020 EPI_ISL_455587 2020-03-13	0	9	0		
hCoV-19/Thailand/Trang_5008/2020 EPI_ISL_455588 2020-03-23	0	10	3		ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/Nonthaburi_3481/2020 EPI_ISL_455589 2020-03-20	0	12	0		
hCoV-	0	9	0		

19/Thailand/Nonthaburi_3480/2020 EPI_ISL_455590 2020-03-20					
hCoV-19/Thailand/Nonthaburi_3479/2020 EPI_ISL_455591 2020-03-20	0	12	0		
hCoV-19/Thailand/Nonthaburi_3478/2020 EPI_ISL_455592 2020-03-20	0	9	0		
hCoV-19/Thailand/Nonthaburi_3472/2020 EPI_ISL_455593 2020-03-20	1	8	3		ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/Nonthaburi_2983/2020 EPI_ISL_455594 2020-03-18	0	8	0		
hCoV-19/Thailand/Bangkok_2420/2020 EPI_ISL_455604 2020-03-13	0	9	0		
hCoV-19/Thailand/Nonthaburi_2472/2020 EPI_ISL_455605 2020-03-14	0	9	0		
hCoV-19/Thailand/Bangkok_2488/2020 EPI_ISL_455606 2020-03-13	0	9	0		
hCoV-19/Thailand/Bangkok_2489/2020 EPI_ISL_455607 2020-03-13	0	9	0		
hCoV-19/Thailand/Bangkok_2504/2020 EPI_ISL_455608 2020-03-14	0	9	0		
hCoV-19/Thailand/Bangkok_2295/2020 EPI_ISL_455624 2020-03-12	0	8	0		

hCoV-19/Thailand/Bangkok-CONI-0106/2020 EPI_ISL_455909 2020-03-09	0	8	0	
hCoV-19/Thailand/Bangkok-CONI-0107/2020 EPI_ISL_455910 2020-03-11	0	6	1	USCDC_N1_P:C28311T
hCoV-19/Thailand/Bangkok-CONI-0108/2020 EPI_ISL_455911 2020-03-11	0	8	0	
hCoV-19/Thailand/Bangkok-CONI-0109/2020 EPI_ISL_455912 2020-03-11	0	8	0	
hCoV-19/Thailand/Bangkok-CONI-0110/2020 EPI_ISL_455913 2020-03-12	0	7	1	USCDC_N3_F:T28688C
hCoV-19/Thailand/Bangkok-CONI-0113/2020 EPI_ISL_455915 2020-03-11	0	9	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/Bangkok-CONI-0115/2020 EPI_ISL_455917 2020-03-12	0	9	1	USCDC_N1_P:C28311T
hCoV-19/Thailand/Bangkok-CONI-0128/2020 EPI_ISL_455922 2020-03-12	0	4	0	
hCoV-19/Thailand/Bangkok-CONI-0131/2020 EPI_ISL_455925 2020-03-12	0	9	0	
hCoV-19/Thailand/Bangkok-CONI-0132/2020 EPI_ISL_455926 2020-03-12	0	8	0	
hCoV-19/Thailand/Bangkok-CONI-0133/2020 EPI_ISL_455927 2020-03-13	0	6	1	USCDC_N1_P:C28311T
hCoV-19/Thailand/Bangkok-CONI-0134/2020 EPI_ISL_455928 2020-03-13	0	9	0	
hCoV-19/Thailand/Bangkok-CONI-0137/2020 EPI_ISL_455931 2020-03-13	0	10	0	
hCoV-19/Thailand/Bangkok-CONI-0138/2020 EPI_ISL_455932 2020-03-13	0	9	0	
hCoV-19/Thailand/Bangkok-CONI-0140/2020 EPI_ISL_455934 2020-03-14	0	10	3	ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/Bangkok-CONI-0141/2020 EPI_ISL_455935 2020-03-14	0	9	0	



hCoV-19/Thailand/Bangkok-CONI-0142/2020 EPI_ISL_455936 2020-03-14	0	10	0	
hCoV-19/Thailand/Bangkok-CONI-0144/2020 EPI_ISL_455938 2020-03-15	0	10	0	
hCoV-19/Thailand/Bangkok-CONI-0145/2020 EPI_ISL_455939 2020-03-15	0	9	0	
hCoV-19/Thailand/Bangkok-CONI-0146/2020 EPI_ISL_455940 2020-03-15	0	10	0	
hCoV-19/Thailand/Bangkok-CONI-0147/2020 EPI_ISL_455941 2020-03-15	0	11	0	
hCoV-19/Thailand/Bangkok-CONI-0148/2020 EPI_ISL_455942 2020-03-15	0	9	0	
hCoV-19/Thailand/Bangkok-CONI-0149/2020 EPI_ISL_455943 2020-03-15	0	6	0	
hCoV-19/Thailand/Bangkok-CONI-0154/2020 EPI_ISL_455947 2020-03-16	0	8	0	
hCoV-19/Thailand/Bangkok-CONI-0095/2020 EPI_ISL_458024 2020-03-30	0	7	0	
hCoV-19/Thailand/Samut Songkhram-0942/2020 EPI_ISL_489991 2020-03	0	7	1	USCDC_N1_P:C28311T
hCoV-19/Thailand/MUMT-3/2020 EPI_ISL_493137 2020-02-25	0	6	0	
hCoV-19/Thailand/MUMT-4/2020 EPI_ISL_493139 2020-03-03	0	6	0	
hCoV-19/Thailand/Bangkok-CONI-0163/2020 EPI_ISL_498257 2020-03-24	0	6	0	
hCoV-19/Thailand/Bangkok-CONI-0192/2020 EPI_ISL_498264 2020-03-22	0	7	0	
hCoV-19/Thailand/Bangkok-CONI-0194/2020 EPI_ISL_498265 2020-03-21	0	8	0	
hCoV-19/Thailand/Bangkok-CONI-0199/2020 EPI_ISL_512849 2020-03-23	0	6	0	

hCoV-19/Thailand/Bangkok-CONI-0201/2020 EPI_ISL_512851 2020-03-16	0	10	0		
hCoV-19/Thailand/Bangkok-CONI-0202/2020 EPI_ISL_512852 2020-03-16	0	9	0		
hCoV-19/Thailand/Bangkok-CONI-0206/2020 EPI_ISL_512856 2020-03-18	0	10	0		
hCoV-19/Thailand/Bangkok-CONI-0207/2020 EPI_ISL_512857 2020-03-18	0	8	0		
hCoV-19/Thailand/Bangkok-CONI-0208/2020 EPI_ISL_512858 2020-03-18	0	10	0		
hCoV-19/Thailand/Bangkok-CONI-0209/2020 EPI_ISL_512859 2020-03-18	0	9	0		
hCoV-19/Thailand/Bangkok-CONI-0210/2020 EPI_ISL_512860 2020-03-18	0	9	0		
hCoV-19/Thailand/Bangkok-CONI-0211/2020 EPI_ISL_512861 2020-03-18	0	6	0		
hCoV-19/Thailand/Bangkok-CONI-0212/2020 EPI_ISL_512862 2020-03-18	0	6	0		
hCoV-19/Thailand/Bangkok-CONI-0213/2020 EPI_ISL_512863 2020-03-18	0	9	0		
hCoV-19/Thailand/Bangkok-CONI-0214/2020 EPI_ISL_512864 2020-03-18	0	11	3		ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/Bangkok-CONI-0224/2020 EPI_ISL_512866 2020-03-25	0	10	3		ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/Bangkok-CONI-0227/2020 EPI_ISL_512869 2020-03-25	0	6	0		
hCoV-19/Thailand/NIH_3752/2020 EPI_ISL_515287 2020-03	0	13	1		CharitÃ©_N_P:C28775T
hCoV-19/Thailand/NIH_3623/2020 EPI_ISL_515288 2020-03	0	9	0		

hCoV-19/Thailand/NIH_3710/2020 EPI_ISL_515289 2020-03	0	9	0		
hCoV-19/Thailand/NIH_3713/2020 EPI_ISL_515290 2020-03	0	14	0		
hCoV-19/Thailand/NIH_3744/2020 EPI_ISL_515291 2020-03	0	11	0		
hCoV-19/Thailand/NIH-3083/2020 EPI_ISL_515292 2020-03	0	15	0	6	
hCoV-19/Thailand/Bangkok_3001/2020 EPI_ISL_515463 2020-03	0	10	0		
hCoV-19/Thailand/NIH-3013/2020 EPI_ISL_515464 2020-03	0	5	0		
hCoV-19/Thailand/Bangkok_3049/2020 EPI_ISL_515465 2020-03	0	10	0		
hCoV-19/Thailand/Bangkok_3055/2020 EPI_ISL_515468 2020-03	0	9	0		
hCoV-19/Thailand/Nonthaburi_3059/2020 EPI_ISL_515469 2020-03	0	10	1	29867	HKU_N_R:C29245T
hCoV-19/Thailand/Nonthaburi_2953/2020 EPI_ISL_515470 2020-03	0	9	0		
hCoV-19/Thailand/Bangkok_2848/2020 EPI_ISL_515472 2020-03	0	10	0		
hCoV-	0	11	1		HKU_N_R:C29245T

19/Thailand/Bangkok_2854/2020 EPI_ISL_515473 2020-03					
hCoV-19/Thailand/Bangkok_2864/2020 EPI_ISL_515475 2020-03	0	9	0		
hCoV-19/Thailand/Bangkok_2866/2020 EPI_ISL_515476 2020-03	0	9	0		
hCoV-19/Thailand/Bangkok_2867/2020 EPI_ISL_515477 2020-03	0	9	0		
hCoV-19/Thailand/Bangkok-CONI-0215/2020 EPI_ISL_568580 2020-03-18	0	6	0		
hCoV-19/Thailand/Bangkok-CONI-0216/2020 EPI_ISL_568581 2020-03-19	0	9	0		
hCoV-19/Thailand/Bangkok-CONI-0217/2020 EPI_ISL_568582 2020-03-19	0	9	0		
hCoV-19/Thailand/Bangkok-CONI-0219/2020 EPI_ISL_568583 2020-03-19	0	9	0		
hCoV-19/Thailand/Bangkok-CONI-0220/2020 EPI_ISL_568584 2020-03-20	0	6	0		
hCoV-19/Thailand/Bangkok-CONI-0221/2020 EPI_ISL_568585 2020-03-20	0	10	3		ChinaCDC_N_F:G28881A;G28882A;G28883C
hCoV-19/Thailand/Bangkok-CONI-0222/2020 EPI_ISL_568586 2020-03-20	0	8	0		