Appendix 1: primer spike-in table

Amplicon_primer	Sequence	Mutation accomodated	Lineage accomodated	Comment	Conc	Implementat
15_fwd	CAGTGCTTAAAAAGTGTAAAAGTGCTT	C4321T	BA.2		1x	w8_2022
34_rev	AGTGAAATTGTGTCTCATAGCACAT	G10447A/C10449A	BA.2/BA1+BA.2		1x	w8_2022
64_fwd	TCGATAGATATCCTGCTAATTCCATTGT	None		Optimization of ARTIC v3 pool	1x	? Early
64_rev	AGTCTTGTAAAAGTGTTCCAGAGGT	None		Optimization of ARTIC v3 pool	1x	? Early
70_fwd	ACAAAAGAAAATGACTCTAAAGAGGGTTT	None		Optimization of ARTIC v3 pool	0.2x	? Early
70_rev	TGACCTTCTTTTAAAGACATAACAGCAG	None		Optimization of ARTIC v3 pool	0.2x	? Early
72_rev	TAGAATAAACTCCACTTTCCATCCAAC	del22029-22034	Delta	Coverage across 6bp deletion	1x	August 2021
73_fwd	GTCTGTGAATTTCAATTTTGTAATGATCCA	del21987-21995/G21987A	BA.1/BA.2	Primer moved 11bp upstream, full match to ref	1x	w3_2022
74_fwd	ACATCACTAGGTTTCAAACTTTACTTGC	None		Optimization of ARTIC v3 pool	0.2x	? Early
74_rev	GCAACACAGTTGCTGATTCTCTTC	None		Optimization of ARTIC v3 pool	0.2x	? Early
75_rev	ACCACTAACCTTAGAATCAAGCTTGA	T22882G/G22898A	BA.1+BA.2/BA.1	Mismatch in 3-prime end, likely a mistake. But is works.	1x	w3_2022
76_fwd	GGGCAAACTGGAAATATTGCTGA	G22813T	BA.1+BA.2		1x	w3_2022
76_rev	CACCTGTGCCTTTTAAACCATTGA	C23202A	BA.1		1x	w3_2022
92_fwd	TTTGTGCTTTTTAGCCTTTCTGTTAT	C27807T	BA.1+BA.2		1x	w5_2022