

Table S4. *In silico* screen of commonly used primers/probes to detect SARS-CoV-2.

Assay	Forward	Reverse	Probe	Total	Hits	Misses	Ambiguous
Orf1ab	CCCTGTGGGTTTT ACACTTAA	ACGATTGTGCAT CAGCTGA	CCGTCTGCGGTATG TGGAAAGGTTATGG	388	370	0	18
N (China)	GGGGAACCTTCTC CTGCTAGAAT	CAGACATTTTGC TCTCAAGCTG	TTGCTGCTGCTTGA CAGATT	388	327	58	3
n_cov_n1	GACCCCAAAATCA GCGAAAT	TCTGGTTACTGC CAGTTGAAT	ACCCCGCATTACGT TTGGTGGACC	388	379	6	3
n_cov_n2	TTACAAACATTGG CCGCAAA	GCGCGACATTC CGAAGAA	ACAATTTGCCCCCA GCGCTTCAG	388	386	0	2
n_cov_n3	GGGAGCCTTGAA TACACCAAAA	TGTAGCACGATT GCAGCATTG	AYCACATTGGCACC CGCAATCCTG	388	386	0	2
E (Sarbeco)	ACAGGTACGTAA TAGTTAATAGCGT	ATATTGCAGCA GTACGCACACA	ACACTAGCCATCCT TACTGCGCTTCG	388	384	2	2
nsp10 (China)	CCCTGTGGGTTTT ACACTTAA	ACGATTGTGCAT CAGCTGA	CCGTCTGCGGTATG TGGAAAGGTTATGG	388	370	0	18
nsp14	TAATCAGACAAGG AACTGATTA	CGAAGGTGTGA CTTCCATG	GCAAATTGTGCAAT TTGCGG	388	384	2	2
N (HKU)	TAATCAGACAAGG AACTGATTA	CGAAGGTGTGA CTTCCATG	GCAAATTGTGCAAT TTGCGG	388	383	2	3
nsp14 (HKU)	TGGGGYTTTACR GGTAACCT	AACRCGCTTAA CAAAGCACTC	TAGTTGTGATGCWA TCATGACTAG	388	385	0	3
RdRp (IP2)	ATGAGCTTAGTCC TGTTG	CTCCCTTTGTTG TGTTGT	AGATGTCTTGTGCT GCCGGTA	388	387	0	1
RDRP (IP4)	GGTAACTGGTAT GATTTCCG	CTGGTCAAGGT TAATATAGG	TCATACAAACCACG CCAGG	388	388	0	0