

Supplementary Table 2. List of all rRT-PCR methods that were used by EQA participants to analyse EQA panels.

number of labs	In house assays	Reference
11	Corman <i>et al.</i>	
10	US CDC, USA	
1	Institute Pasteur, Paris, France	
1	HKU, Hong Kong SAR	
1	China CDC, China	
1	not specified in house PCR	
	commercial assays	
	Company	Commercial kit
5	altona Diagnostics GmbH	RealStar SARS-CoV-2 RT-PCR Kit 1.0
1	AB Analytica s.r.l.	REALQUALITY RQ-2019-nCoV
1	Anchor Diagnostics GmbH	SARS-CoV-2 PCR Kit
1	Bioeksens R & D Technologies Ltd.	Bio-Speedy SARS-CoV-2 (2019-nCoV) qPCR Detection Kit
1	Biohit HealthCare Ltd	IDK MutaPLEX Coronavirus Real-Time-RT-PCR-Kit
1	Bioneer Corporation	AccuPower SARS-CoV-2 Real-Time RT-PCR Kit
2	BioVendor - Laboratorni medicina a.s.	Liferiver Novel Coronavirus (2019-nCoV) Real Time Multiplex RT-PCR Kit
1	Cepheid	Xpert Xpress SARS-CoV-2
5	CerTest Biotec	Viasure SARS-CoV-2 Real Time PCR Detection Kit
2	Co-Diagnostics, Inc.	Logix Smart COVID-19 Test (IVD)
1	Da An Gene Co., Ltd. of Sun Yat-sen University	Detection Kit 2019 Novel Coronavirus (2019-nCoV)
2	not specified	vDetect COVID-19 RT-qPCR
1	DiaSorin Molecular LLC	Simplexa COVID-19 Direct Kit
3	ELITechGroup	GeneFinder COVID-19 Plus RealAmpKit
1	Euroimmun Medizinische Labordiagnostika AG	EURORealTime SARS-CoV-2
2	Fosun Pharma USA Inc.	Fosun COVID-19 RT-PCR Detection Kit
1	Integrated DNA Technologies, Inc.	2019-nCoV CDC EUA Kit
1	Maccura Biotechnology Co., Ltd.	SARS-CoV-2 Fluorescent PCR Kit
1	NeuMoDx molecular	SARS-CoV-2 Assay
1	Primerdesign Ltd	Coronavirus COVID-19 genesig Real-Time PCR assay
5	F. Hoffmann-La Roche Ltd	Cobas SARS-CoV-2 Test
1	Sacace Biotechnologies Srl	COVID-19 SARS-CoV-2 Real-TM
1	SanSure Biotech Inc.	Novel Coronavirus(2019-nCoV) Nucleic Acid Diagnostic Kit
9	Seegene Inc.	Allplex 2019-nCoV Assay
4	Thermo Fisher Scientific Inc.	TaqPath COVID-19 CE-IVD RT-PCR Kit
3	TIB Molbiol GmbH	LightMix Modular SARS-CoV (COVID19) - RdRP
2	TIB Molbiol GmbH	LightMix Modular SARS-CoV (COVID19) - E-gene

Genome target

E gene	N gene	RdRp gene 1	RdRP gene 2
N gene_N3	N gene_N1	N gene_N2	
E gene	RdRp gene_IP2	RdRp gene_IP4	
Orf 1b			
N gene			
not specified			

Genome target

E gene	S gene	
RdRP gene	S gene	
not specified		
RdRP gene		
E gene	S gene	RdRP gene
E gene	RdRP gene	
E gene	ORF1ab	N gene
E gene	N gene (N2)	
ORF1ab	N gene	
RdRP gene		
ORF1ab	N gene	
E gene	RdRP gene	
ORF1ab	S gene	
E gene	N gene	RdRp gene
ORF1ab	N gene	
ORF1ab	N gene	E gene
N gene_N1	N gene_N2	
ORF1ab	N gene	E gene
Nsp2 gene	N gene	
not specified		
E gene	ORF1ab	
E gene	N gene	
ORF1ab	N gene	
E gene	RdRP gene	N gene
ORF1ab	N gene	S gene
RdRP gene		
E gene		