Test of 3 different Taq enzyme in Sars_CoV 2 assay.

Starting concentration in the first well, serially diluted with the same mixture without TAQ. Thus, the enzyme concentration I halved in each following reaction.

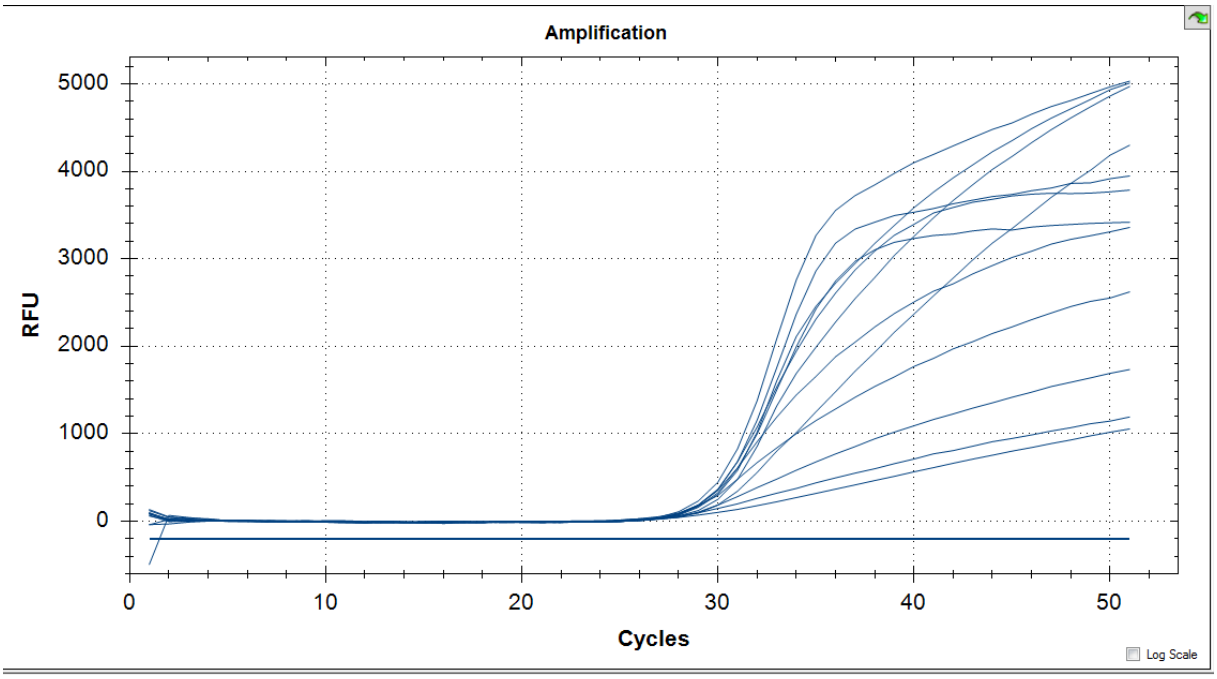
Well #	Microliter enzyme/20 microliter reaction mix
1	1,0000
2	0,5000
3	0,2500
4	0,1250
5	0,0625
6	0,0313
7	0,0156
8	0,0078
9	0,0039
10	0,0020
11	0,0010
12	0,0005

Fragment: Sars CoV 2	**PCR**			Date	16.06.2020	
PCR volum, µl	20		# of reactions		1	
	Working					
	solutions		Total volume 20 µl		Desired	
	concentration		Volum		concentration	
H2O			14,48			
10X Thermopol	20	mM MgCl	2,00			
MgSO4	200	mM	0,00		2,00001	mM
Primer Forward	100	µM	0,08		0,4	µM
Primer reverse	100	µM	0,08		0,4	µM
Probe	100	µM	0,08		0,4	µM
dNTP	100	mM	0,08		400	µM
cDNA	10	ng	2,00		1	ng/µl
BSA	100	%	0,20		1	%
Dave/Swiss/Hot -TAQ	20	U/µl	1,00		1	U/µl
Mashup	7,5	U/µl	0,00		0	U/µl

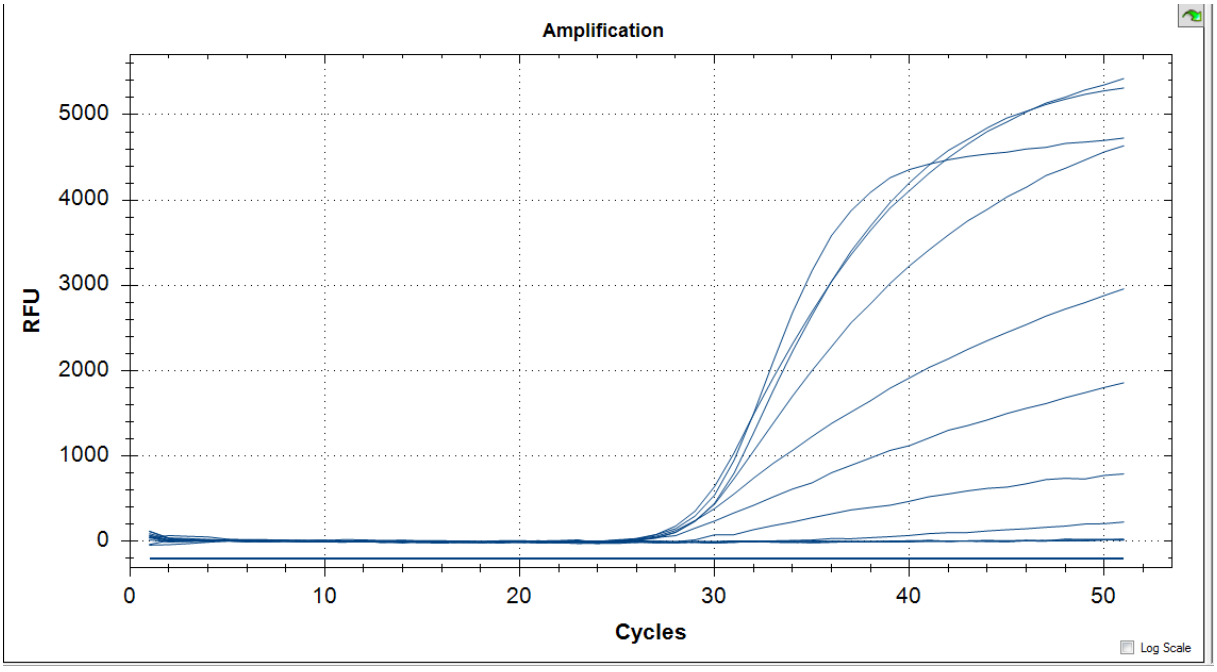
Primer and probe

"RdRp	gene/nCov_IP2"
nCoV_IP2-12669Fw	ATGAGCTTAGTCCTGTTG
nCoV_IP2-12759Rv	CTCCCTTTGTTGTGTTGT
nCoV_IP2-12696bProbe(+)	/56-FAM/AGATGTCTTGTGCTGCCGGTA/3BHQ_1/

Dave Taq



Swiss Taq



Hot start Taq (Platinum Taq DNA Polymerase, Invitrogen)