

**Researcher** : DR Moh.Abdelbasir email: m\_a\_baser@yahoo.com mob.01  
**Assay** : RT-PCR  
**Samples** : 12 Samples  
**Cell lines** : ----  
**Ref.** : ----  
**Date** : 25-06-2019  
**Reader** : Rotorgene RT- PCR system  
**Kit used** : Qiagen RNA extraction/BioRad syber green PCR MMX  
**Solvent** : DMSO  
**Assay samples** :Cell culture Lysate

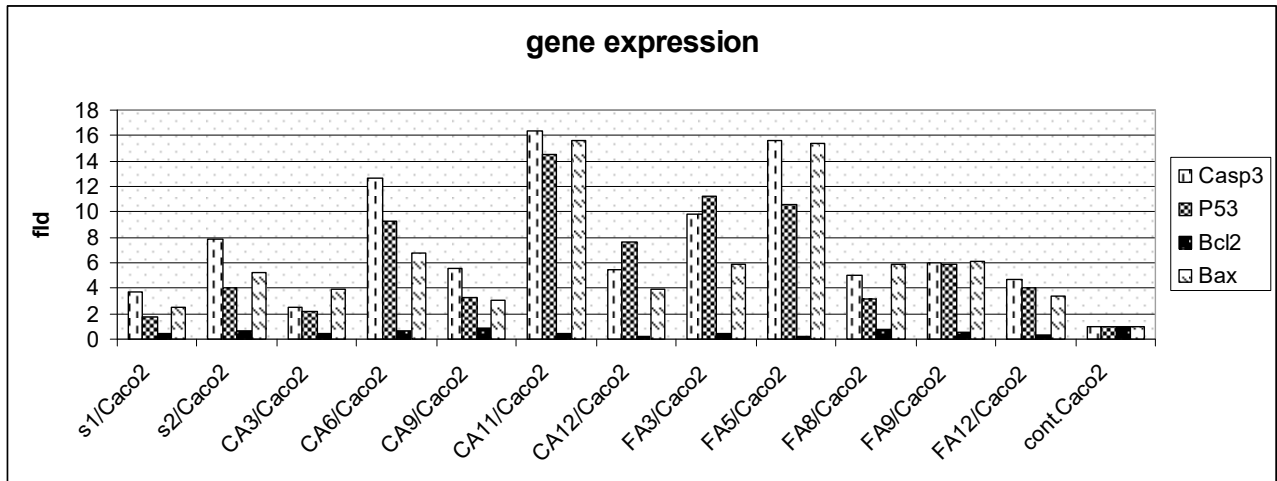
### Key for sample codes

Cpd. No.	Cpd. No.	Cpd. No.	Cpd. No.
CA1	3	FA1	12
CA2	4	FA2	13
CA3	5	FA3	14
CA5	6	FA5	15
CA6	7	FA7	16
CA7	8	FA8	17
CA9	9	FA9	18
CA11	10	FA11	19
CA12	11	FA12	20

# RT-PCR

## Report

Sample data			Gene expression			
Ser	Sample code	conc	Fold Change			
			fld			
			Casp3	P53	Bcl2	Bax
1	s1/Caco2 (CA)		3.71±0.14	1.69±0.07	0.42±0.01	2.55±0.14
2	s2/Caco2 (FA)		7.82±0.28	3.98±0.15	0.63±0.04	5.24±0.26
3	CA3/Caco2		2.47±0.09	2.14±0.16	0.45±0.02	3.95±0.28
4	CA6/Caco2		12.62±0.81	9.29±0.64	0.69±0.04	6.76±0.26
5	CA9/Caco2		5.51±0.22	3.27±0.22	0.89±0.06	3.04±0.21
6	CA11/Caco2		16.39±0.84	14.52±0.88	0.47±0.02	15.57±0.14
7	CA12/Caco2		5.41±0.19	7.68±0.39	0.18±0.01	3.95±0.21
8	FA3/Caco2		9.78±0.34	11.18±0.72	0.40±0.02	5.91±0.36
9	FA5/Caco2		15.57±0.67	10.56±0.75	0.19±0.01	15.38±0.88
10	FA8/Caco2		5.04±0.26	3.14±0.18	0.77±0.05	5.84±0.24
11	FA9/Caco2		6.02±0.33	5.87±0.27	0.58±0.03	6.06±0.41
12	FA12/Caco2		4.64±0.18	3.98±0.16	0.37±0.02	3.33±0.16
***	cont.Caco2		1	1	1	1



# Quantitation Report

## Experiment Information

Run Name	Run 2019-06-29 (1)
Run Start	2019-06-29 04:08:13 PM
Run Finish	2019-06-29 06:41:18 PM
Operator	ER
Notes	---
Run On Software Version	Rotor-Gene 1.7.87
Run Signature	The Run Signature is valid.
Gain Green	10.
Gain Yellow	9.33

## Quantitation data

This report generated by Rotor-Gene 6000 Series Software 1.7 (Build 87)  
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 ISO 9001:2000 (Reg. No. QEC21313)

### primers

p53 F 5'-CCCCTCCTGGCCCCTGTCATCTTC-3',  
 p53 R 5'-GCAGCGCCTCACAACCTCCGTCAT-3'.

bcl-2 F 5'-CCTGTG GAT GAC TGA GTA CC-3'  
 bcl-2 R 5'-GAGACA GCC AGG AGA AAT CA-3'

CASP3-F 5'-TTC ATT ATT CAG GCC TGC CGA GG-3'  
 CASP3-R 5'-TTC TGA CAG GCC ATG TCA TCC TCA-3'

Bax F 5'-GTTTCA TCC AGG ATC GAG CAG-3'  
 Bax R 5'-CATCTT CTT CCA GAT GGT GA-3'

β-actin F 5'-GTGACATCCACACCCAGAGG-3'  
 β-actin R 5'-ACAGGATGTCAAACTGCCC-3'

Sample data		Casp3							
		Control cells			Test cells				FLD
		B Actin	Casp3	$\Delta$ CTC	B Actin	Casp3	$\Delta$ CTE	$\Delta\Delta$ CT	$2^{\Delta\Delta\Delta\Delta\Delta\Delta}$
Ser	Sample code	HC	TC	TC-HC	HE	TE	TE-HE	$\Delta\Delta\Delta\Delta\Delta\Delta$	Eamp=1.891
1	s1/Caco2	26.42	34.21	7.79	25.75	31.48	5.73	-2.06	3.71522
2	s2/Caco2	26.42	34.21	7.79	26.16	30.72	4.56	-3.23	7.829132
3	CA3/Caco2	26.42	34.21	7.79	25.92	32.29	6.37	-1.42	2.471166
4	CA6/Caco2	26.42	34.21	7.79	26.04	29.85	3.81	-3.98	12.62503
5	CA9/Caco2	26.42	34.21	7.79	25.88	30.99	5.11	-2.68	5.514845
6	CA11/Caco2	26.42	34.21	7.79	26.31	29.71	3.4	-4.39	16.39366
7	CA12/Caco2	26.42	34.21	7.79	25.95	31.09	5.14	-2.65	5.41044
8	FA3/Caco2	26.42	34.21	7.79	26.13	30.34	4.21	-3.58	9.784884
9	FA5/Caco2	26.42	34.21	7.79	25.78	29.26	3.48	-4.31	15.57903
10	FA8/Caco2	26.42	34.21	7.79	26.02	31.27	5.25	-2.54	5.044249
11	FA9/Caco2	26.42	34.21	7.79	25.62	30.59	4.97	-2.82	6.029345
12	FA12/Caco2	26.42	34.21	7.79	26.16	31.54	5.38	-2.41	4.643298
13	cont .Caco2	26.42	34.21	7.79	26.42	34.21	7.79	0	1

Sample data		p53							
		Control cells			Test cells				FLD
		B Actin	p53	$\Delta$ CTC	B Actin	p53	$\Delta$ CTE	$\Delta\Delta$ CT	$2^{\Delta\Delta\Delta\Delta\Delta\Delta}$
Ser	Sample code	HC	TC	TC-HC	HE	TE	TE-HE	$\Delta\Delta\Delta\Delta\Delta\Delta$	Eamp=1.891
1	s1/Caco2	26.42	33.92	7.5	25.75	32.42	6.67	-0.83	1.696891
2	s2/Caco2	26.42	33.92	7.5	26.16	31.49	5.33	-2.17	3.984929
3	CA3/Caco2	26.42	33.92	7.5	25.92	32.22	6.3	-1.2	2.147978
4	CA6/Caco2	26.42	33.92	7.5	26.04	30.04	4	-3.5	9.29866
5	CA9/Caco2	26.42	33.92	7.5	25.88	31.52	5.64	-1.86	3.270742
6	CA11/Caco2	26.42	33.92	7.5	26.31	29.61	3.3	-4.2	14.52461
7	CA12/Caco2	26.42	33.92	7.5	25.95	30.25	4.3	-3.2	7.680914
8	FA3/Caco2	26.42	33.92	7.5	26.13	29.84	3.71	-3.79	11.18564
9	FA5/Caco2	26.42	33.92	7.5	25.78	29.58	3.8	-3.7	10.5623
10	FA8/Caco2	26.42	33.92	7.5	26.02	31.72	5.7	-1.8	3.148073
11	FA9/Caco2	26.42	33.92	7.5	25.62	30.34	4.72	-2.78	5.877633
12	FA12/Caco2	26.42	33.92	7.5	26.16	31.49	5.33	-2.17	3.984929
13	cont .Caco2	26.42	33.92	7.5	26.42	33.92	7.5	0	1

Sample data		Bcl2							
Ser	Sample code	Control cells			Test cells				FLD
		B Actin	Bcl2	ΔCTC	B Actin	Bcl2	ΔCTE	ΔΔ CT	2 <sup>Δ</sup> ΔΔCT
		HC	TC	TC-HC	HE	TE	TE-HE	ΔCTE-ΔCTC	Eamp=1.891
1	s1/Caco2	26.42	30.47	4.05	25.75	31.15	5.4	1.35	0.423123
2	s2/Caco2	26.42	30.47	4.05	26.16	30.92	4.76	0.71	0.636135
3	CA3/Caco2	26.42	30.47	4.05	25.92	31.19	5.27	1.22	0.45966
4	CA6/Caco2	26.42	30.47	4.05	26.04	30.66	4.62	0.57	0.695482
5	CA9/Caco2	26.42	30.47	4.05	25.88	30.11	4.23	0.18	0.891652
6	CA11/Caco2	26.42	30.47	4.05	26.31	31.54	5.23	1.18	0.471524
7	CA12/Caco2	26.42	30.47	4.05	25.95	32.62	6.67	2.62	0.188394
8	FA3/Caco2	26.42	30.47	4.05	26.13	31.61	5.48	1.43	0.402097
9	FA5/Caco2	26.42	30.47	4.05	25.78	32.42	6.64	2.59	0.19203
10	FA8/Caco2	26.42	30.47	4.05	26.02	30.46	4.44	0.39	0.779992
11	FA9/Caco2	26.42	30.47	4.05	25.62	30.51	4.89	0.84	0.58557
12	FA12/Caco2	26.42	30.47	4.05	26.16	31.76	5.6	1.55	0.372502
13	cont .Caco2	26.42	30.47	4.05	26.42	30.47	4.05	0	1

Sample data		Bax							
Ser	Sample code	Control cells			Test cells				FLD
		B Actin	Bax	ΔCTC	B Actin	Bax	ΔCTE	ΔΔ CT	2 <sup>Δ</sup> ΔΔCT
		HC	TC	TC-HC	HE	TE	TE-HE	ΔCTE-ΔCTC	Eamp=1.891
1	s1/Caco2	26.42	34.71	8.29	25.75	32.57	6.82	-1.47	2.551153
2	s2/Caco2	26.42	34.71	8.29	26.16	31.85	5.69	-2.6	5.240805
3	CA3/Caco2	26.42	34.71	8.29	25.92	32.05	6.13	-2.16	3.959622
4	CA6/Caco2	26.42	34.71	8.29	26.04	31.33	5.29	-3	6.761991
5	CA9/Caco2	26.42	34.71	8.29	25.88	32.42	6.54	-1.75	3.04937
6	CA11/Caco2	26.42	34.71	8.29	26.31	30.29	3.98	-4.31	15.57903
7	CA12/Caco2	26.42	34.71	8.29	25.95	32.08	6.13	-2.16	3.959622
8	FA3/Caco2	26.42	34.71	8.29	26.13	31.63	5.5	-2.79	5.915199
9	FA5/Caco2	26.42	34.71	8.29	25.78	29.78	4	-4.29	15.38178
10	FA8/Caco2	26.42	34.71	8.29	26.02	31.54	5.52	-2.77	5.840305
11	FA9/Caco2	26.42	34.71	8.29	25.62	31.08	5.46	-2.83	6.067881
12	FA12/Caco2	26.42	34.71	8.29	26.16	32.56	6.4	-1.89	3.333857
13	cont .Caco2	26.42	34.71	8.29	26.42	34.71	8.29	0	1