

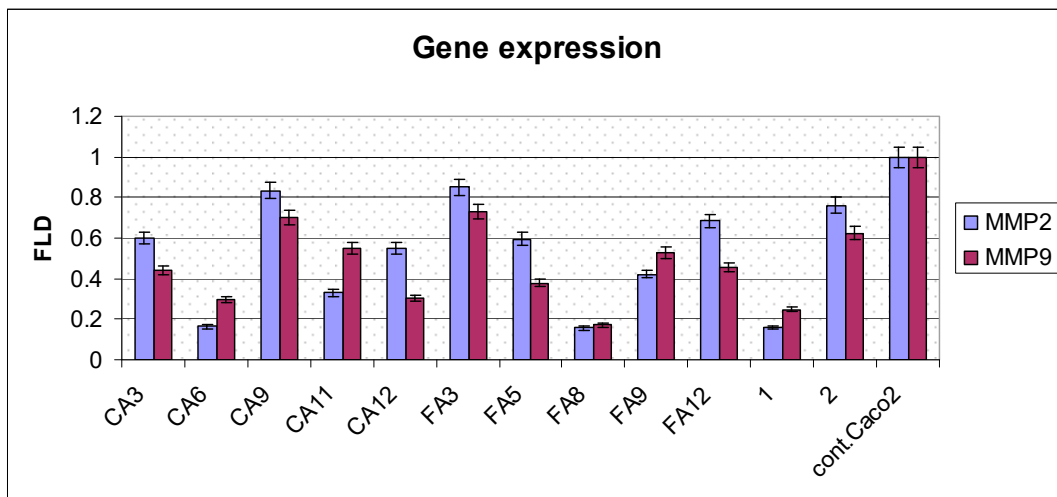
Researcher	: Dr/Noura	email:	mob.
Assay	: MMP2,9 RT-PCR		
Samples	: 13 Samples		
Cell lines	: Caco2		
Ref.	: ----		
Date	: 19-10-2019		
Reader	: Rotorgene RT- PCR system		
Kit used	: Qiagen RNA extraction/BioRad syber green	PCR MMX	
Solvent	: DMSO		
Assay samples	: Cell culture Lysate		

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				Results Fold Change	
Ser	code	cells	conc	MMP2 FLD	MMP9 FLD
1	CA3	Caco2		0.59±0.016	0.44±0.009
2	CA6			0.16±0.004	0.29±0.006
3	CA9			0.83±0.022	0.70±0.014
4	CA11			0.33±0.008	0.55±0.011
5	CA12			0.54±0.014	0.30±0.006
6	FA3			0.84±0.022	0.73±0.015
7	FA5			0.59±0.016	0.37±0.007
8	FA8			0.15±0.004	0.17±0.003
9	FA9			0.42±0.011	0.52±0.010
10	FA12			0.68±0.018	0.45±0.009
11	1			0.16±0.004	0.24±0.004
12	2			0.76±0.020	0.62±0.012
13	cont. Caco2			1±0.027	1±0.020



Quantitation Report

Experiment Information

Run Name	Run 2019-10-25 (2)
Run Start	2019-10-25 05:08:39 PM
Run Finish	2019-10-25 07:46:44 PM
Operator	EE
Notes	MMP9
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

Sample data			MMP2							
			Control cells			Test cells				FLD
Se r	Sample code	Conc uM	B Actin	MMP2	Δ CTC	B Actin	MMP2	Δ CTE	$\Delta\Delta$ CT	$2^{\Delta\Delta CT}$
			HC	TC	TC-HC	HE	TE	TE-HE	Δ CTE- Δ CTC	Eamp=1.82 6
1	CA3		25.57	27.92	2.35	26.36	29.56	3.2	0.85	0.59941
2	CA6		25.57	27.92	2.35	25.81	31.17	5.36	3.01	0.163261
3	CA9		25.57	27.92	2.35	26.17	28.82	2.65	0.3	0.834737
4	CA11		25.57	27.92	2.35	26.22	30.41	4.19	1.84	0.330247
5	CA12		25.57	27.92	2.35	26.09	29.44	3.35	1	0.547645
6	FA3		25.57	27.92	2.35	25.94	28.56	2.62	0.27	0.849953
7	FA5		25.57	27.92	2.35	26.21	29.42	3.21	0.86	0.595812
8	FA8		25.57	27.92	2.35	25.94	31.38	5.44	3.09	0.155583
9	FA9		25.57	27.92	2.35	26.06	29.84	3.78	1.43	0.422721
10	FA12		25.57	27.92	2.35	25.78	28.76	2.98	0.63	0.684313
11	1		25.57	27.92	2.35	26.13	31.52	5.39	3.04	0.160338
12	2		25.57	27.92	2.35	25.91	28.71	2.8	0.45	0.762649
13	cont. Cac o2		25.57	27.92	2.35	25.57	27.92	2.35	0	1

Sample data			MMP9							
			Control cells			Test cells				FLD
Ser	Sample code	Conc uM	B Actin	MMP9	ΔCTC	B Actin	MMP9	ΔCTE	ΔΔ CT	2 ^{ΔΔCT}
			HC	TC	TC-HC	HE	TE	TE-HE	ΔCTE- ΔCTC	E _{amp} =1.82 6
1	CA3		25.57	27.92	2.35	26.36	30.07	3.71	1.36	0.440919
2	CA6		25.57	27.92	2.35	25.81	30.17	4.36	2.01	0.298115
3	CA9		25.57	27.92	2.35	26.17	29.11	2.94	0.59	0.700994
4	CA11		25.57	27.92	2.35	26.22	29.56	3.34	0.99	0.550953
5	CA12		25.57	27.92	2.35	26.09	30.41	4.32	1.97	0.305382
6	FA3		25.57	27.92	2.35	25.94	28.81	2.87	0.52	0.731172
7	FA5		25.57	27.92	2.35	26.21	30.17	3.96	1.61	0.379301
8	FA8		25.57	27.92	2.35	25.94	31.23	5.29	2.94	0.170289
9	FA9		25.57	27.92	2.35	26.06	29.47	3.41	1.06	0.528213
10	FA12		25.57	27.92	2.35	25.78	29.43	3.65	1.3	0.45714
11	1		25.57	27.92	2.35	26.13	30.79	4.66	2.31	0.248847
12	2		25.57	27.92	2.35	25.91	29.04	3.13	0.78	0.625215
13	cont. Ca co2		25.57	27.92	2.35	25.57	27.92	2.35	0	1

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primers
MMP2 F 5' - CAAAAACAAGAAGACATACATCTT-3'
MMP2 F 5' - CAAAAACAAGAAGACATACATCTT-3'
MMP9 F 5' - TGGGGGGCAACTCGGC-3'
MMP9 R 5' - GGAATGATCTAAGCCCAG-3'
β-actin F 5' -GTGACATCCACACCCAGAGG-3'
β-actin R 5' -ACAGGATGTCAAACTGCCC-3'