

SECOND DERIVATIVE

Samples	MeanCp	STD Cp
C1, D1	22.92384	0.047875658
C2, D2	25.8389	0.27383692
C3, D3	21.54948	0.528780968
C4, D4	21.46518	0.129699175
C6, D6	27.4464	0.024057648
C7, D7	23.00674	0.010596774
C8, D8	23.58476	0.036264242
C9, D9	0	0
C10, D10	0	0
E1, F1	14.88372	0.064857509
E2, F2	14.88805	0
E3, F3	14.85875	0.027447604
E4, F4	14.93109	0.042899481

Include	Pos	Name	Cp
True	C1	HPRT DMSO I	22.89
True	C2	HPRT TCDD 1	25.65
True	C3	HPRT DMSO II	21.92
True	C4	HPRT TCDD II	21.56
True	C5	ABC B1 DMSO	
True	C6	ABC B1 TCDD	27.43
True	C7	ABC C1 DMSO	23.01
True	C8	ABC C1 TCDD	23.61
True	D1	HPRT DMSO I	22.96
True	D2	HPRT TCDD 1	26.03
True	D3	HPRT DMSO II	21.18
True	D4	HPRT TCDD II	21.37
True	D5	ABC B1 DMSO	
True	D6	ABC B1 TCDD	27.46
True	D7	ABC C1 DMSO	23
True	D8	ABC C1 TCDD	23.56
True	E1	GAPDH DMSO I	14.84
True	E2	GAPDHT TCDD I	14.89
True	F1	GAPDH DMSO I	14.93
True	F2	GAPDHT TCDD I	

FIT POINTS

Include	Pos	Name	Cp
True	C1	HPRT DMSO I	22.89
True	C2	HPRT TCDD 1	25.65
True	C3	HPRT DMSO II	21.92
True	C4	HPRT TCDD II	21.56
True	C5	ABC B1 DMSO	
True	C6	ABC B1 TCDD	27.43
True	C7	ABC C1 DMSO	23.01
True	C8	ABC C1 TCDD	23.61
True	D1	HPRT DMSO I	22.96
True	D2	HPRT TCDD 1	26.03
True	D3	HPRT DMSO II	21.18
True	D4	HPRT TCDD II	21.37

True	D5	ABC B1 DMSO	
True	D6	ABC B1 TCDD	27.46
True	D7	ABC C1 DMSO	23
True	D8	ABC C1 TCDD	23.56
True	E1	GAPDH DMSO I	15.08
True	E2	GAPDHT TCDD I	15.12
True	E3	GAPDH DMSO II	14.97
True	E4	GAPDH TCDD II	14.98
True	F1	GAPDH DMSO I	15.01
True	F2	GAPDHT TCDD I	15.11
True	F3	GAPDH DMSO II	14.94
True	F4	GAPDH TCDD II	14.9

Samples	MeanCp	STD Cp
C1, D1	24.15797	0.033981265
C2, D2	29.3812	1.22687794
C3, D3	21.19223	0.683264153
C4, D4	21.45717	0.233364996
C6, D6	26.30048	0.345705132
C7, D7	23.4996	0.22864545
C8, D8	24.70717	0.126839232
C9, D9	0	0
C10, D10	0	0
E1, F1	15.04285	0.052746574
E2, F2	15.11116	0.00641953
E3, F3	14.95458	0.021749891
E4, F4	14.94275	0.05558291

ABS. FIT POINTS

Include	Pos	Name	Cp
True	A3	ABC B1 DMSO	26.77
True	A4	ABC B1 TCDD	27.68
True	A5	ABC C1 DMSO	25.27
True	A6	ABC C1 TCDD	25.69
True	A7	ABC G2 DMSO	27.02
True	A8	ABC G2 TCDD	27.61
True	B3	ABC B1 DMSO	27.11
True	B4	ABC B1 TCDD	27.77
True	B5	ABC C1 DMSO	25.62
True	B6	ABC C1 TCDD	25.67
True	B7	ABC G2 DMSO	27.35
True	B8	ABC G2 TCDD	27.86

Samples	MeanCp	STD Cp
A1, B1	0	0
A2, B2	0	0
A3, B3	26.93802	0.238182411
A4, B4	27.72399	0.062346097
A5, B5	25.44446	0.24621653
A6, B6	25.68243	0.01423861
A7, B7	27.18605	0.233230616
A8, B8	27.73506	0.175130143

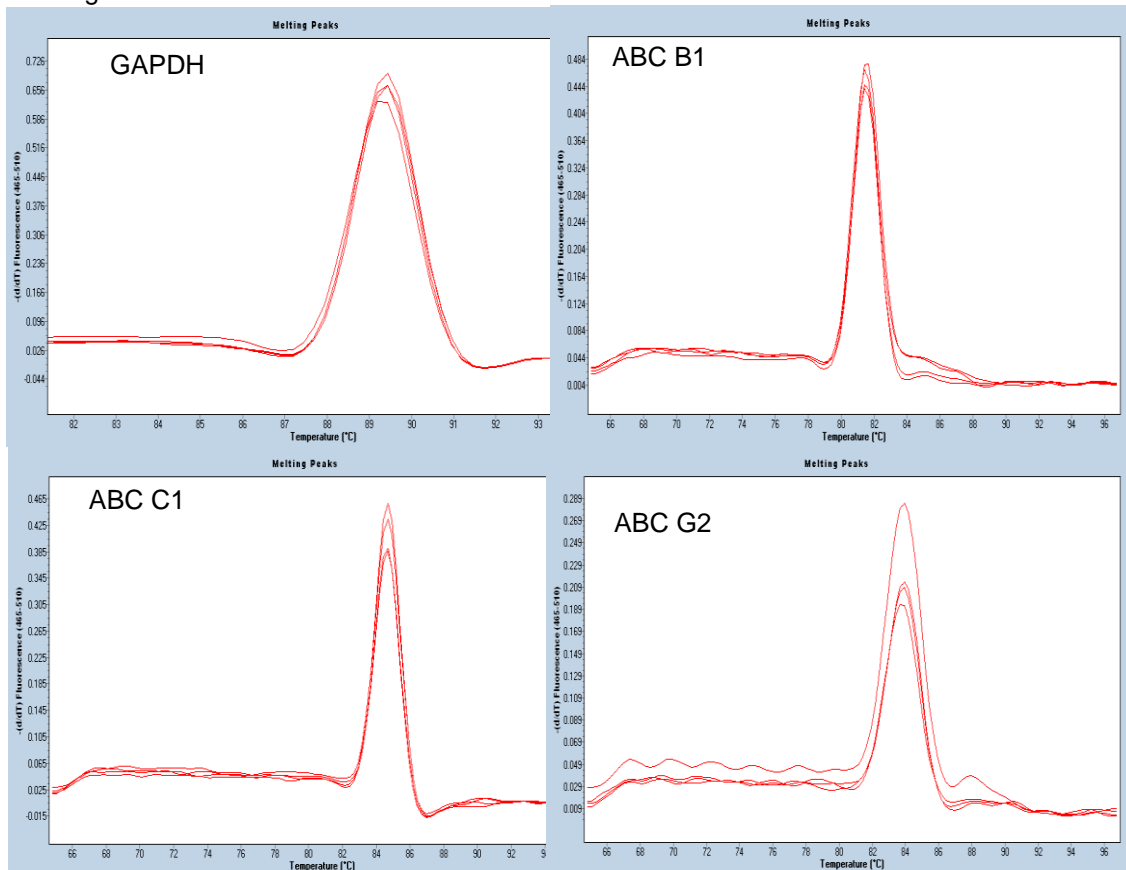
2ND DERIVATIVE

Include	Pos	Name	Cp
True	A3	ABC B1 DMSO	27.34
True	A4	ABC B1 TCDD	27.85
True	A5	ABC C1 DMSO	25.18
True	A6	ABC C1 TCDD	25.07
True	A7	ABC G2 DMSO	26.12
True	A8	ABC G2 TCDD	26.63
True	B3	ABC B1 DMSO	27.29
True	B4	ABC B1 TCDD	27.55
True	B5	ABC C1 DMSO	25.22
True	B6	ABC C1 TCDD	25.23
True	B7	ABC G2 DMSO	26.22
True	B8	ABC G2 TCDD	26.39

Samples	MeanCp	STD Cp
A1, B1	0	0
A2, B2	0	0
A3, B3	27.31697	0.036702946
A4, B4	27.70341	0.213891605
A5, B5	25.20357	0.027401569
A6, B6	25.14791	0.111803602
A7, B7	26.16886	0.068273997
A8, B8	26.51253	0.16760838

Cviceni qRTPCR 2016

"Melting curve"



pro vsechny geny jsme ziskali jen jeden produkt - kontrola specificity reace probehla uspesne
 VYHODNOCENI FIT POINTS

	MEAN Cp	ST. DEV
GAPDH DMSO	15.04285	0.052747
GAPDH TCDD	15.11116	0.00642
ABC B1 DMSO	26.93802	0.238182
ABC B1 TCDD	27.72399	0.062346
ABC C1 DMSO	25.44446	0.246217
ABC C1 TCDD	25.68243	0.014239
ABC G2 DMSO	27.18605	0.233231
ABC G2 TCDD	27.73506	0.17513

misto HPRT jsme vzali jako referencni house-keeping gene GAPDH, protoze dava vice konzistentni vysledky neovlivnene TCDD

1. porovnej vysledky ziskane pomoci fit points a druhe derivace a do dalsiho vyhodnoceni vezmi druhou derivaci

	2nd DERIVATIVE	
GAPDH DMSO	14.88372	0.064858
GAPDH TCDD	14.88805	0.057896
ABC B1 DMSO	27.31697	0.036703
ABC B1 TCDD	27.70341	0.213892
ABC C1 DMSO	25.20357	0.027402
ABC C1 TCDD	25.14791	0.111804
ABC G2 DMSO	26.16886	0.068274
ABC G2 TCDD	26.51253	0.167608

2. podle tabulky v protokolu vyhodnot vysledky
 ΔCp $2^{-\Delta Cp}$

3. porovnej vliv TCDD na expresi ABC transporteru