

Quality Control Report

Plate ID	Date of Run	Result
793	2/5/2016	Fail

Authorisation Checklist

Plate QC

	BCRABL	ABL/GUS
H2O Check	Pass	Pass
Neg Check	Pass	Pass
Threshold Setting	Pass	Pass
Baseline Setting	Pass	Pass
POS Control (deltaCt<0.5)	Pass	Pass
STD Curve 20 or 50	Pass	Pass
STD Curve Points	Pass	Pass
Slope ≥ 3.2 ≤ 3.6	Fail	Fail
Correlation ≥ 0.98	Fail	Fail

Sample QC

Sample	ABL/GUS Quant	ABL/GUS QC	BCR-ABL
B1604048	172893.06	Pass	Ct 33.1-37 and deltaCt <1.5
B1604051	253301.62	Pass	N/A
B1604052	209800.89	Pass	N/A
B1604053	235561.12	Pass	Ct 33.1-37 and deltaCt <1.5
B1604120	66779.19	Pass	Ct 33.1-37 and deltaCt <1.5
B1604315	127803.21	Pass	1 replicate amplifying
B1604317	212216.37	Pass	Ct 30.1-33 and deltaCt <1.0
B1604486	166369.58	Pass	1 replicate amplifying
B1604571	247040.77	Pass	1 replicate amplifying
B1604778	101937.84	Pass	Ct 33.1-37 and deltaCt <1.5
B1605134	236098.2	Pass	N/A
B1605243	158019.7	Pass	Ct 33.1-37 and deltaCt <1.5
B1605369	79701.93	Pass	N/A

Calculation Results

Replicate Ct

STD Points	ABL/GUS Replicate Ct	BCR-ABL Replicate Ct
10800000	0.05	0.08
1080000	0.08	0.17
103000	0.01	0.08
10200	-0.03	-0.05
1040	0.08	0.1
100	0.29	-0.27
50	0.0	0.0

Standard Curve

	ABL/GUS	BCR-ABL
Slope	-0.0437762524611	0.0958745858639
Correlation	-0.00788468673462	0.0176154114669
Intercept	21.5627223151	21.3687998867
Baseline -3	3.87	3.81
Pos Delta Ct	0.15	0.15

ABL/GUS QC Results

Standard Results

Type	Result Type	Well	Ct	Ct Mean	Quantity	Quantity Mean	Ct Threshold	Base Start	Base End
6480000	GUS	A1	16.82	16.85	6480000.0	0.0	0.1	3.0	13.0
6480000	GUS	A2	16.87	16.85	6480000.0	0.0	0.1	3.0	13.0
648000	GUS	B1	20.14	20.18	648000.0	0.0	0.1	3.0	13.0
648000	GUS	B2	20.22	20.18	648000.0	0.0	0.1	3.0	13.0
61800	GUS	C1	23.76	23.77	61800.0	0.0	0.1	3.0	13.0
61800	GUS	C2	23.77	23.77	61800.0	0.0	0.1	3.0	13.0
6120	GUS	D1	27.07	27.05	6120.0	0.0	0.1	3.0	13.0
6120	GUS	D2	27.04	27.05	6120.0	0.0	0.1	3.0	13.0
624	GUS	E1	30.25	30.29	624.0	0.0	0.1	3.0	13.0
624	GUS	E2	30.33	30.29	624.0	0.0	0.1	3.0	13.0
60	GUS	F1	33.91	34.06	60.0	0.0	0.1	3.0	13.0
60	GUS	F2	34.2	34.06	60.0	0.0	0.1	3.0	13.0
30	GUS	G1	0.0	0.0	0.0	0.0	0.1	3.0	13.0
30	GUS	G2	0.0	0.0	0.0	0.0	0.1	3.0	13.0

Control Results

Type	Result Type	Well	Ct	Ct Mean	Quantity	Quantity Mean	Ct Threshold	Base Start	Base End
H2O	GUS	H1	0.0	0.0	0.0	0.0	0.1	3.0	13.0
H2O	GUS	H2	0.0	0.0	0.0	0.0	0.1	3.0	13.0
NEG	GUS	F3	0.0	0.0	0.0	0.0	0.1	3.0	13.0
NEG	GUS	G3	0.0	0.0	0.0	0.0	0.1	3.0	13.0
NEG	GUS	H3	0.0	0.0	0.0	0.0	0.1	3.0	13.0
POS	GUS	A3	24.13	24.2	45671.06	43465.05	0.1	3.0	13.0
POS	GUS	B3	24.2	24.2	43606.4	43465.05	0.1	3.0	13.0
POS	GUS	C3	24.28	24.2	41117.68	43465.05	0.1	3.0	13.0

BCR-ABL QC Results

Standard Results

Type	Result Type	Well	Ct	Ct Mean	Quantity	Quantity Mean	Ct Threshold	Base Start	Base End
6480000	BCRABL	A1	15.73	15.77	6480000.0	0.0	0.1	3.0	12.0
6480000	BCRABL	A2	15.81	15.77	6480000.0	0.0	0.1	3.0	12.0
648000	BCRABL	B1	19.15	19.23	648000.0	0.0	0.1	3.0	12.0
648000	BCRABL	B2	19.32	19.23	648000.0	0.0	0.1	3.0	12.0
61800	BCRABL	C1	22.77	22.81	61800.0	0.0	0.1	3.0	12.0
61800	BCRABL	C2	22.85	22.81	61800.0	0.0	0.1	3.0	12.0
6120	BCRABL	D1	26.25	26.23	6120.0	0.0	0.1	3.0	12.0
6120	BCRABL	D2	26.2	26.23	6120.0	0.0	0.1	3.0	12.0
624	BCRABL	E1	29.26	29.31	624.0	0.0	0.1	3.0	12.0
624	BCRABL	E2	29.36	29.31	624.0	0.0	0.1	3.0	12.0
60	BCRABL	F1	33.6	33.47	60.0	0.0	0.1	3.0	12.0
60	BCRABL	F2	33.33	33.47	60.0	0.0	0.1	3.0	12.0
30	BCRABL	G1	0.0	0.0	0.0	0.0	0.1	3.0	12.0
30	BCRABL	G2	0.0	0.0	0.0	0.0	0.1	3.0	12.0

Control Results

Type	Result Type	Well	Ct	Ct Mean	Quantity	Quantity Mean	Ct Threshold	Base Start	Base End
H2O	GUS	H1	0.0	0.0	0.0	0.0	0.1	3.0	13.0
H2O	GUS	H2	0.0	0.0	0.0	0.0	0.1	3.0	13.0
NEG	GUS	F3	0.0	0.0	0.0	0.0	0.1	3.0	13.0
NEG	GUS	G3	0.0	0.0	0.0	0.0	0.1	3.0	13.0
NEG	GUS	H3	0.0	0.0	0.0	0.0	0.1	3.0	13.0
POS	GUS	A3	24.13	24.2	45671.06	43465.05	0.1	3.0	13.0
POS	GUS	B3	24.2	24.2	43606.4	43465.05	0.1	3.0	13.0
POS	GUS	C3	24.28	24.2	41117.68	43465.05	0.1	3.0	13.0