

Quality Control Report

Plate ID	Date of Run	Result
826	15/6/2016	Fail

Authorisation Checklist

Plate QC

	BCRABL	ABL/GUS
H2O Check	Pass	Pass
Neg Check	Fail	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	Pass	Pass
Correlation >= 0.98	Pass	Pass

Sample QC

Sample	ABL/GUS Quant	ABL/GUS QC	BCR-ABL
B1604048	160680.08	Pass	Ct 33.1-37 and deltaCt <1.5
B1604049	152398.2	Pass	Ct 30.1-33 and deltaCt <1.0
B1604051	90250.43	Pass	N/A
B1604052	202925.18	Pass	Ct 33.1-37 and deltaCt <1.5
B1604053	238776.88	Pass	Ct 33.1-37 and deltaCt <1.5
B1604120	72116.56	Pass	Ct 33.1-37 and deltaCt <1.5
B1604315	139973.55	Pass	1 replicate amplifying
B1604317	201833.7	Pass	Ct 30.1-33 and deltaCt <1.0
B1604486	153845.04	Pass	Ct >37.1 and deltaCt <1.5
B1604571	241918.71	Pass	Ct >37.1 and deltaCt <1.5
B1604778	108143.68	Pass	Ct 33.1-37 and deltaCt <1.5
B1605134	218280.23	Pass	N/A
B1605243	168275.2	Pass	Ct 33.1-37 and deltaCt <1.5
B1605369	86700.78	Pass	N/A

Calculation Results

Replicate Ct

STD Points	ABL/GUS Replicate Ct	BCR-ABL Replicate Ct
10800000	-0.01	0.04
1080000	-0.05	0.18
103000	0.03	-0.01
10200	0.06	0.22
1040	0.11	0.18
100	0.38	0.52
50	0.38	0.34

Standard Curve

	ABL/GUS	BCR-ABL
Slope	3.36343184648	3.5181232069
Correlation	0.9997114745	0.999370201352
Intercept	40.5487514879	40.3952907072
Baseline -3	3.91	3.72
Pos Delta Ct	0.02	0.28

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	16.92	16.91	6480000.0	0.0	0.1	3.0	13.0
6480000	GUS	A2	16.91	16.91	6480000.0	0.0	0.1	3.0	13.0
648000	GUS	B1	20.25	20.22	648000.0	0.0	0.1	3.0	13.0
648000	GUS	B2	20.2	20.22	648000.0	0.0	0.1	3.0	13.0
61800	GUS	C1	23.68	23.7	61800.0	0.0	0.1	3.0	13.0
61800	GUS	C2	23.71	23.7	61800.0	0.0	0.1	3.0	13.0
6120	GUS	D1	27.08	27.11	6120.0	0.0	0.1	3.0	13.0
6120	GUS	D2	27.14	27.11	6120.0	0.0	0.1	3.0	13.0
624	GUS	E1	30.35	30.41	624.0	0.0	0.1	3.0	13.0
624	GUS	E2	30.46	30.41	624.0	0.0	0.1	3.0	13.0
60	GUS	F1	33.33	33.52	60.0	0.0	0.1	3.0	13.0
60	GUS	F2	33.71	33.52	60.0	0.0	0.1	3.0	13.0
30	GUS	G1	34.9	35.09	30.0	0.0	0.1	3.0	13.0
30	GUS	G2	35.28	35.09	30.0	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	23.91	23.9	52993.01	53366.97	0.1	3.0	13.0
POS	GUS	B3	23.87	23.9	54627.9	53366.97	0.1	3.0	13.0
POS	GUS	C3	23.93	23.9	52480.01	53366.97	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	15.68	15.7	6480000.0	0.0	0.1	3.0	12.0
6480000	BCRABL	A2	15.72	15.7	6480000.0	0.0	0.1	3.0	12.0
648000	BCRABL	B1	19.03	19.12	648000.0	0.0	0.1	3.0	12.0
648000	BCRABL	B2	19.21	19.12	648000.0	0.0	0.1	3.0	12.0
61800	BCRABL	C1	22.8	22.8	61800.0	0.0	0.1	3.0	12.0
61800	BCRABL	C2	22.79	22.8	61800.0	0.0	0.1	3.0	12.0
6120	BCRABL	D1	26.27	26.38	6120.0	0.0	0.1	3.0	12.0
6120	BCRABL	D2	26.49	26.38	6120.0	0.0	0.1	3.0	12.0
624	BCRABL	E1	29.48	29.57	624.0	0.0	0.1	3.0	12.0
624	BCRABL	E2	29.66	29.57	624.0	0.0	0.1	3.0	12.0
60	BCRABL	F1	32.74	33.0	60.0	0.0	0.1	3.0	12.0
60	BCRABL	F2	33.26	33.0	60.0	0.0	0.1	3.0	12.0
30	BCRABL	G1	34.69	34.86	30.0	0.0	0.1	3.0	12.0
30	BCRABL	G2	35.03	34.86	30.0	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	23.91	23.9	52993.01	53366.97	0.1	3.0	13.0
POS	GUS	B3	23.87	23.9	54627.9	53366.97	0.1	3.0	13.0
POS	GUS	C3	23.93	23.9	52480.01	53366.97	0.1	3.0	13.0