2	n	1	Q	_(n	4-	1	7
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2018-04-17 14:56

per 1 ul	ul		х 80	Maste	er Mix
	0.52 water	5.2	water	309.76 ul	
	0.52 Sybr	5.2	Sybr	464 ul	
	0.01 2F 100 uM	0.1	Primer1	37.12 ul	
	0.01 2R 100 uM	0.1	Primer2	37.12 ul	for wells
	Total (per we	10.6	Total	928 ul	848
	+				
	sample	1			
	N. Standards	5			
	N. Samples	32	64	4	
	Total Number	72			

	Total Number
Name	Number
Std 1e7	1
Std 1e7	2
Std 1e6	3
Std 1e5	5
Std 1e4	7
Std 1e5	6
Std 1e4	7
Std 1e4	8
Std 1e3	9
Std 1e3	10
ntc	11
ntc	12
6pp7	13
6pp7	14
6pp8	15
6pp8	16
6pp10.2	17
6pp10.2	18
6ppp10Ad1:5	19
6ppp10Ad1:5	20
6pp10Bd1:5	21
6pp10Bd1:5	22
6pp10Cd1:5	23
6pp10Cd1:5	24
6pp10Dd1:5	25
6pp10Dd1:5	26
6pp10Ed1:5	27
6pp10Ed1:5	28
6pp11	29
6pp11	30
6pp13d1:5	31
6pp13d1:5	32

6pp14d1:5 34 6pp14B 35 6pp14B 36 6pp15Ad1:5 37 6pp15Ad1:5 38 6pp15Bd1:5 39 6pp15Bd1:5 40 6pp15Cd1:5 41 6pp15Cd1:5 42 6pp15Dd1:5 43 6pp15Dd1:5 44 6pp16d1:5 45 6pp16d1:5 46 6PP18d1:5 47 6PP28d1:5 49 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp27d1:5 55 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61 6pp30d1:5 61	Name	Number	
6pp14d1:5 34 6pp14B 35 6pp14B 36 6pp15Ad1:5 37 6pp15Ad1:5 38 6pp15Bd1:5 40 6pp15Cd1:5 41 6pp15Cd1:5 42 6pp15Dd1:5 43 6pp15Dd1:5 44 6pp16d1:5 45 6pp16d1:5 46 6PP18d1:5 47 6PP21d1:5 49 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp27d1:5 55 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 59 6pp29 60 6pp30d1:5 61			33
6pp14B 35 6pp14B 36 6pp15Ad1:5 37 6pp15Ad1:5 39 6pp15Bd1:5 40 6pp15Cd1:5 41 6pp15Cd1:5 42 6pp15Dd1:5 43 6pp15Dd1:5 44 6pp16d1:5 45 6pp16d1:5 46 6PP18d1:5 47 6PP28d1:5 49 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp27d1:5 55 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 59 6pp29 60 6pp30d1:5 61		_	
6pp14B 36 6pp15Ad1:5 37 6pp15Ad1:5 38 6pp15Bd1:5 40 6pp15Cd1:5 41 6pp15Cd1:5 42 6pp15Dd1:5 43 6pp15Dd1:5 44 6pp16d1:5 45 6pp16d1:5 46 6PP18d1:5 47 6PP2Id1:5 49 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp27d1:5 55 6pp28d1:5 57 6pp28d1:5 57 6pp29 59 6pp29 59 6pp29 60 6pp30d1:5 61		_	35
6pp15Ad1:5 37 6pp15Ad1:5 38 6pp15Bd1:5 40 6pp15Cd1:5 41 6pp15Cd1:5 42 6pp15Dd1:5 43 6pp15Dd1:5 44 6pp16d1:5 45 6pp16d1:5 46 6PP18d1:5 47 6PP18d1:5 49 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 59 6pp29 60 6pp30d1:5 61			
6pp15Ad1:5 38 6pp15Bd1:5 40 6pp15Cd1:5 41 6pp15Cd1:5 42 6pp15Dd1:5 43 6pp15Dd1:5 44 6pp16d1:5 45 6pp16d1:5 46 6PP18d1:5 47 6PP18d1:5 49 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	• •		37
6pp15Bd1:5 40 6pp15Cd1:5 41 6pp15Cd1:5 42 6pp15Dd1:5 43 6pp15Dd1:5 44 6pp16d1:5 45 6pp16d1:5 46 6PP18d1:5 47 6PP18d1:5 49 6PP21d1:5 50 6PP23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61			38
6pp15Bd1:5 40 6pp15Cd1:5 41 6pp15Cd1:5 42 6pp15Dd1:5 44 6pp16d1:5 45 6pp16d1:5 46 6PP18d1:5 47 6PP18d1:5 49 6PP21d1:5 50 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp15Bd1:5		39
6pp15Cd1:5 42 6pp15Dd1:5 43 6pp15Dd1:5 44 6pp16d1:5 45 6pp16d1:5 46 6PP18d1:5 47 6PP21d1:5 49 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp26d1:5 54 6pp27d1:5 55 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61			40
6pp15Dd1:5 43 6pp15Dd1:5 44 6pp16d1:5 45 6pp16d1:5 46 6PP18d1:5 47 6PP18d1:5 49 6PP21d1:5 50 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp15Cd1:5		41
6pp15Dd1:5 44 6pp16d1:5 45 6pp16d1:5 46 6PP18d1:5 47 6PP18d1:5 48 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp26d1:5 54 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp15Cd1:5		42
6pp16d1:5 45 6pp16d1:5 46 6PP18d1:5 47 6PP18d1:5 49 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp15Dd1:5		43
6pp16d1:5 46 6PP18d1:5 47 6PP18d1:5 48 6PP21d1:5 49 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp26d1:5 54 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp15Dd1:5		44
6PP18d1:5 47 6PP18d1:5 48 6PP21d1:5 49 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp26d1:5 54 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp16d1:5		45
6PP18d1:5 48 6PP21d1:5 49 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp26d1:5 54 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp16d1:5		46
6PP21d1:5 49 6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp26d1:5 54 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6PP18d1:5		47
6PP21d1:5 50 6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp26d1:5 54 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6PP18d1:5		48
6pp23d1:5 51 6pp23d1:5 52 6pp26d1:5 53 6pp26d1:5 54 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6PP21d1:5		49
6pp23d1:5 52 6pp26d1:5 53 6pp26d1:5 54 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6PP21d1:5		50
6pp26d1:5 53 6pp26d1:5 54 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp23d1:5		51
6pp26d1:5 54 6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp23d1:5		52
6pp27d1:5 55 6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp26d1:5		53
6pp27d1:5 56 6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp26d1:5		54
6pp28d1:5 57 6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp27d1:5		55
6pp28d1:5 58 6pp29 59 6pp29 60 6pp30d1:5 61	6pp27d1:5		56
6pp29 59 6pp29 60 6pp30d1:5 61	6pp28d1:5		57
6pp29 60 6pp30d1:5 61	6pp28d1:5		58
6pp30d1:5 61	6pp29		59
- - - - - - - - - - - - - -	6pp29		60
6pp30d1:5 62	6pp30d1:5		61
	6pp30d1:5		62
6pp31d1:5 63	6pp31d1:5		63
6pp31d1:5 64	6pp31d1:5		64

Name	Number
6ppS1d1:5	65
6ppS1d1:5	66
6ppS2d1:5	67
6ppS2d1:5	68
f2d1:5	69
f2d1:5	70
f2.2d1:5	71
f2.2d1:5	72

Stock: primer vol final vol final (uM) back_check 5 uM 37.12 928 0.2 0.2

primer final concentration

1 uM

hold 95 10'
denature 95 10'
annealing/sy 72 30'' x40

melt curve

34

1.00E+08

0.2