

04/11/2016

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Additive: DMSO		5	%				
50 uL	1X_65ul 1.5ul Mg+	1	x	Master Mix (no primers)		6 x	
Amount	Compound	Amount	Compound	Amount	Compound		
37.5 uL	ddH <sub>2</sub> O	0.75	225 uL	ddH <sub>2</sub> O		225	
0 uL	DMSO 100%	0	0 uL	DMSO 100%		0	
5 uL	10x PCR buffer	0.1	30 uL	10x PCR buffer		30	
4 uL	dNTPs (2.5mM each)	0.08	24 uL	dNTPs (2.5mM each)		24	
0 uL	MgCl <sub>2</sub>	0	0 uL	MgCl <sub>2</sub>		0	
1 uL	Pf, 5µM	0.02	6 uL	Pf, 5µM		279	
1 uL	Pr, 5 µM	0.02	6 uL	Pr, 5 µM			
1 uL	DNA template	0.02	6 uL	DNA template			
0.5 uL	Polymerase	0.01	3 uL	Polymerase			
50 uL	Total	1	300 uL	Total  per tube ul:		46.5	50

Two reactions with A,B, and C,D primers: crp mutants screening

Long extention time		2-4, 11-10 genomic dna extracts tested	61.5C
A,B	crp2	Tm 61 using 61-4	57
C, D	crp11	Tm 70 using 70 - 4	66

Notes:

61.5C	
2	BL2 AB primers
3	crp11-1 CD primers
4	BL2 CD primers

Additive: DMSO		0	%				
0 uL	1X_65ul 1.5ul Mg+	1ul	x	Master Mix (no primers)		6 x	
Amount	Compound	Amount	Compound	Amount	Compound		
0 uL	ddH <sub>2</sub> O	0.69	0 uL	ddH <sub>2</sub> O		0	
0 uL	DMSO 100%	0	0 uL	DMSO 100%		0	
0 uL	10x PCR buffer	0.1	0 uL	10x PCR buffer		0	
0 uL	dNTPs (2.5mM each)	0.08	0 uL	dNTPs (2.5mM each)		0	
0 uL	MgCl <sub>2</sub>	0.06	0 uL	MgCl <sub>2</sub>		0	
0 uL	Pf, 5µM	0.02	0 uL	Pf, 5µM		0	
0 uL	Pr, 5 µM	0.02	0 uL	Pr, 5 µM			
0 uL	DNA template	0.02	0 uL	DNA template			
0 uL	Polymerase	0.01	0 uL	Polymerase			
0 uL	Total	1	0 uL	Total  mm per25 ul:		0	0