

24/03/2016

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Additive: DMSO		5	%				
50 uL	1X_65ul 1.5ul Mg+	1	x	Master Mix (no primers)		2	x
Amount	Compound			Amount	Compound		
32 uL	ddH ₂ O	0.64	64 uL	ddH ₂ O		64	
2.5 uL	DMSO 100%	0.05	5 uL	DMSO 100%		5	
5 uL	10x PCR buffer	0.1	10 uL	10x PCR buffer		10	
4 uL	dNTPs (2.5mM each)	0.08	8 uL	dNTPs (2.5mM each)		8	
3 uL	MgCl ₂	0.06	6 uL	MgCl ₂		6	
1 uL	Pf, 5µM	0.02	2 uL	Pf, 5µM		93	
1 uL	Pr, 5 µM	0.02	2 uL	Pr, 5 µM			
1 uL	DNA template	0.02	2 uL	DNA template			
0.5 uL	Polymerase	0.01	1 uL	Polymerase			
50 uL	Total	1	100 uL	Total mm per25 ul:		46.5	50

3 reactions for crp2 (plasmid, genomic, colony, mutant); 3 reactions for crp11

1 arbitrary colony taken for colony pcrs

Notes:

primers done from stock: 9f 400, 1492r 200: by dilution to 50

	ul	stock: uM	h2o ul	resulting uM	ul resulting
9f	20		400	140	50
					160
1492r	40		200	120	50
					160

Additive: DMSO		0	%				
50 uL	1X_65ul 1.5ul Mg+	1ul	x	Master Mix (no primers)		2	x
Amount	Compound			Amount	Compound		
34.5 uL	ddH ₂ O	0.69	69 uL	ddH ₂ O		69	
0 uL	DMSO 100%	0	0 uL	DMSO 100%		0	
5 uL	10x PCR buffer	0.1	10 uL	10x PCR buffer		10	
4 uL	dNTPs (2.5mM each)	0.08	8 uL	dNTPs (2.5mM each)		8	
3 uL	MgCl ₂	0.06	6 uL	MgCl ₂		6	
1 uL	Pf, 5µM	0.02	2 uL	Pf, 5µM		93	
1 uL	Pr, 5 µM	0.02	2 uL	Pr, 5 µM			
1 uL	DNA template	0.02	2 uL	DNA template			
0.5 uL	Polymerase	0.01	1 uL	Polymerase			
50 uL	Total	1	100 uL	Total mm per25 ul:		46.5	50