

09/02/2016

09/02/2016 21:54

Additive: DMSO			5	%			
0 uL		1X_65ul 1.5ul Mg+	1	x	Master Mix (no primers)		0 x
Amount	Compound		Amount	Compound			
0	uL	ddH ₂ O	0.64	0	uL	ddH ₂ O	0
0	uL	DMSO 100%	0.05	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 ₂	0.06	0	uL	MgCl ₂	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
0	uL	DNA template	0.02	0	uL	DNA template	0
0	uL	Polymerase	0.01	0	uL	Polymerase	0
0	uL	Total	1	0	uL	Total mm per25 ul:	##### #DIV/0!

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

1 arbitrary colony taken for colony pcrs

Notes:

94 C - 5 min

94 C, 45 s: anneal C, 1 min: 67 C, 4 min: 31x

72 C, 10 min

4 C, inf

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	%			
30 uL		1X_65ul 1.5ul Mg+	1ul	x	Master Mix (no primers)		8 x
Amount	Compound		Amount	Compound			
20.7	uL	ddH ₂ O	0.69	166	uL	ddH ₂ O	165.6
0	uL	DMSO 100%	0	0	uL	DMSO 100%	0
3	uL	10x PCR buffer	0.1	24	uL	10x PCR buffer	24
2.4	uL	dNTPs (2.5mM each)	0.08	19.2	uL	dNTPs (2.5mM each)	19.2
1.8	uL	MgCl ₂	0.06	14.4	uL	MgCl ₂	14.4
0.6	uL	Pf, 5μM	0.02	4.8	uL	Pf, 5μM	223.2
0.6	uL	Pr, 5 μM	0.02	4.8	uL	Pr, 5 μM	
0.6	uL	DNA template	0.02	4.8	uL	DNA template	
0.3	uL	Polymerase	0.01	2.4	uL	Polymerase	
30	uL	Total	1	240	uL	Total mm per25 ul:	27.9 30