

PE1:GDP

well	protein / uM	protein / ul	GAP final uM	GAP 500 nM mix / ul	GEF final uM	GEF 500 nM mix / ul	MOG1 final uM	MOG1 8 uM mix \ ul	buffer 2 / ul
C1	2	5.36	0.02	12	0	0	0	0	138
C2	2	5.36	0.02	12	0.01	6	0	0	132
C3	2	5.36	0.02	12	0.01	6	0.5	18.75	113.25
C4	2	5.36	0.02	12	0.01	6	1	37.5	94.5
C5	2	5.36	0.02	12	0.01	6	2	75	57
C6	2	5.36	0	0	0.01	6	0	0	144
C7	2	5.36	0.1	60	0.01	6	0.5	18.75	65.25
C8	2	5.36	0.1	60	0.01	6	1	37.5	46.5
C9	2	5.36	0.1	60	0.01	6	2	75	9
C10	2	5.36	0.02	12	0.1	60	0.5	18.75	59.25
C11	2	5.36	0.02	12	0.1	60	1	37.5	40.5
C12	2	5.36	0.02	12	0.1	60	2	75	3

64.30

276

228

393.75

original stock concentrations / uM					
	PE1:GDP		GAP (RNA1)	GEF (SRM1)	MOG1
	65.73		46.95	101.32	596

enzyme premix volume
150

prepared stocks / uM						N reactions	protein and sensor premix volume
	PE1:GDP		GAP (RNA1)	GEF (SRM1)	MOG1 A	12	528
	14.93		0.5	0.5	8		

prot	141.46	enzyme	4.0	6.5	6.6
sensor	4.22	buffer 2	372.0	321.5	487.1
buffer 1	382.32				