

RP1: CI-coupling/substrate control

2016-01-20

PM + mt + D + c + (NADH) + U + Oct + G + S + Rot + Gp + Ama + AsTm + Azd

	CI	CI&FAO	CI&FAO	CI&II&FAO	CII	CII&GpDH	CIV
<b>E</b>	<b>PM</b>	<b>PMOct</b>	<b>PGMOct</b>	<b>PGMSOct</b>	<b>S</b>	<b>SGp</b>	<b>AsTm</b>
<b>P</b>	<b>PM</b>						
<b>L</b>	<b>PM</b>						
	PM	Oct	G	S	Rot	Gp	Ama+AsTm+Azd

**Sample (Pfi):**

DatLab file: 2016- Experimental code: Operator:					O2k:	P__ Chamber	
Event	Mark name	Stock [mM]	Final conc. in O2k 2 ml	Comment	Titration [µl]	A	B
<b>MiR</b>			MiR05+CtlCr				
<b>O2</b>			~450 µM O <sub>2</sub>				
<b>P</b>		2000	5 mM		5		
<b>M</b>		400	2 mM		10		
<b>Pfi</b>							
<b>O2</b>	PM(L)		~450 µM				
<b>D</b>	PM(P)	500	7.5 mM		30		
<b>c</b>	PMc(P)	4	10 µM		5		
<b>NADH</b>	PMcNADH(P)	280	2.8 mM	only if $FCF_c > 0.1$	20		
<b>U</b>	PM(E)	1 CCCP	0.5 – 5 µM		1 µl steps		
<b>Oct</b>	PMOct(E)	100	0.5 mM		10		
<b>G</b>	PGMOct(E)	2000	10 mM		10		
<b>S</b>	PGMSOct(E)	1000	50 mM		100		
<b>Rot</b>	S(E)	1	0.5 µM		1		
<b>Gp</b>	SGp(E)	1000	10 mM		20		
<b>Ama</b>	ROX	5	2.5 µM		1		
<b>O2</b>			~450 µM				
<b>As</b>		800	2 mM		5		
<b>Tm</b>	CIV(E)	200	0.5 mM	~20 min	5		
<b>Azd</b>	ROX	4000	≥100 mM	~10 min	100		
<b>O2</b>	ROX		~450 µM	400 -> 250 µM			