

RP2: FAO-substrate control

2016-01-20

 D + mt + Oct + M<sub>tit</sub> + P + c + (NADH) + G + S + U + Gp + Rot + Ama + AsTm + Azd

	FAO	CI&FAO	CI&FAO	CI&II&FAO	CI&II&FAO&GpDH	CII&GpDH	CIV
<b>E</b>				<b>PGMSOct</b>	<b>PGMSOctGp</b>	<b>SGp</b>	<b>AsTm</b>
<b>P</b>	<b>OctM</b>	<b>PMOct</b>	<b>PGMOct</b>	<b>PGMSOct</b>			
<b>L</b>							
	D Oct+M	P	G	S	Gp	Rot	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				
<b>D</b>		500	7.5 mM		30		
<b>Pfi</b>							
<b>O2</b>	ROX		~450 μM				
<b>Oct</b>	Oct(P)	100	0.5 mM		10		
<b>M.05</b>	OctM.05(P)	50	0.05 mM		2		
<b>M.1</b>	OctM.1(P)	50	0.1 mM		2		
<b>M2</b>	OctM2(P)	400	2 mM		9.5		
<b>P</b>	PMOct(P)	2000	5 mM		5		
<b>c</b>	PMOctc(P)	4	10 μM		5		
<b>NADH</b>	PMOctcNADH(P)	280	2.8 mM	only if $FCF_c > 0.1$	20		
<b>G</b>	PGMOct(P)	2000	10 mM		10		
<b>S</b>	PGMSOct(P)	1000	50 mM		100		
<b>U</b>	PGMSOct(E)	1 CCCP	0.5 - 5 μM		1 μl steps		
<b>Gp</b>	PGMSOctGp(E)	1000	10 mM		20		
<b>Rot</b>	SGp(E)	1	0.5 μM		1		
<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			