

SUIT-RP1: CI(LPE) substrate control

2016-01-25

PM + mt: 1PM 2D 2c (2NADH) 3U 4Oct 5G 6S 7Rot 8Gp 9Ama 10Tm 11Azd

E	3U	4Oct	5G	6S	7Rot	8Gp	9Ama	10Tm	11Azd
P	2D+c								
L	1PM								
	CI	CI &FAO	CI &FAO	CI&II &FAO	CII	CII &Gp	ROX	CIV	ROX

Sample mt=Isolated mitochondria, RP1-Imt:

O2k and DatLab file: P___(A / B) 2016-								
Experimental code:								
Operator:								
MiR: MiR05+CtlCr								
Event	Mark name	LPE	Final conc. 2 ml O2k	Stock [mM]	Comment	Tit. [µl]	A	B
MiR								
O2			~200 µM					
P			5 mM	2000		5		
M			2 mM	400		10		
mt	1PM	<i>L</i>						
D	2D	<i>P</i>	7.5 mM	500		30		
c	2c	<i>P</i>	10 µM	4		5		
NADH	2NADH	<i>P</i>	2.8 mM	280	NADH only if $FCF_c > .1$	20		
U	3U	<i>E</i>	Δ0.5 µM	1	CCCP	Δ1 µl		
Oct	4Oct	<i>E</i>	0.5 mM	100		10		
G	5G	<i>E</i>	10 mM	2000		10		
S	6S	<i>E</i>	50 mM	1000		100		
Rot	7Rot	<i>E</i>	0.5 µM	1		1		
Gp	8Gp	<i>E</i>	10 mM	1000		20		
Ama	9Ama	ROX	2.5 µM	5		1		
O2			~200 µM					
As			2 mM	800		5		
Tm	10Tm	<i>E</i>	0.5 mM	200	~20 min	5		
Azd	11Azd	ROX	≥100 mM	4000	~10 min	100		
O2	12Azd	ROX	~200 µM		-> 250 µM			