SUIT reference protocol RP2-Imt

2016-03-15

D+mt: NFSGpTm_1D 2Oct 3M 4c 5P 6G 7S 8Gp 9U 10Rot 11Ama 12Tm 13Azd

E							9U	10Rot	11Ama	12Tm	13Azd
P	1D	2Oct	3M+c	5P	6G	7S	8Gp				
L											
	ROX	F	F	NF	NF	NFS	NFSGp	SGp	ROX	Tm	ROX
	ROX	FAO	FAO	CI &FAO	CI &FAO	CI&II &FAO	CI&II &FAO&Gp	CII &Gp	ROX	CIV	ROX

Sample mt=Isolated mitochondria, RP2-Imt:

O2k and DatLab file: **P**___(A / B) 2016-
Experimental code:
Operator:
MiR: MiR05+CtlCr

Event	Mark name	State	Final conc. 2 ml O2k	Stock [mM]	Comment	Tit. [µl]	A	B
MiR								
O2			~200 µM					
D			2.5 mM	500		10		
mt	**1D**	ROX						
Oct	**2Oct**	Oct_P	0.5 mM	100		10		
M.05	**3M.05**	Oct_P	0.05 mM	50		2		
M.1	**3M.1**	Oct_P	0.1 mM	50		2		
M2	**3M2**	Oct_P	2 mM	400		9.5		
c	**4c**	Oct_{Pc}	10 µM	4		5		
NADH	**4NADH**	Oct_{PcNADH}	2.8 mM	280	NADH only if FCF_c >.1	20		
P	**5P**	$PMOct_P$	5 mM	2000		5		
G	**6G**	$PGMOct_P$	10 mM	2000		10		
S	**7S**	$PGMSOct_P$	50 mM	1000		100		
Gp	**8Gp**	$PGMSOctGp_P$	10 mM	1000		20		
U	**9U**	$PGMSOctGp_E$	Δ0.5 µM	1	CCCP	Δ1		
Rot	**10Rot**	SGp_E	0.5 µM	1		1		
Ama	**11Ama**	ROX	2.5 µM	5		1		
O2			~200 µM					
As			2 mM	800		5		
Tm	**12Tm**	Tm_E	0.5 mM	200	~20 min	5		
Azd	**13Azd**	ROX	≥100 mM	4000	~10 min	100		
O2	**14Azd**	ROX	~200 µM		> 50 µM			