

Figure 3- figure supplement 2 A-B

WT and *prs3* knock-out strains grown in SDcasaWU ± Adenine medium

Peak area

Metabolite/Strain	- Ade	- Ade	- Ade	- Ade	+ Ade	+ Ade	+ Ade	+ Ade	Mean	Mean	SD	SD	Unpaired t-Test	Unpaired t-Test	Unpaired t-Test
	- Ade	- Ade	- Ade	- Ade	+ Ade	+ Ade	+ Ade	+ Ade	- Ade	+ Ade	- Ade	+ Ade	- Ade vs + Ade	mutant - Ade vs WT - Ade	mutant + Ade vs WT + Ade
ATP/WT	163.1	160.2	163.9	164.6	178.7	177.5	176.4	178	162.95	177.65	1.93	0.97	9.0E-05		
ATP/ <i>prs3</i>	48.2	52.05	68.4	69.8	97.3	98.1	120.6	110.6	59.61	106.65	11.08	11.12	9.7E-04	2.4E-04	9.7E-04

Metabolite/Strain	- Ade	- Ade	- Ade	- Ade	+ Ade	+ Ade	+ Ade	+ Ade	Mean	Mean	SD	SD	Unpaired t-Test	Unpaired t-Test	Unpaired t-Test
	- Ade	- Ade	- Ade	- Ade	+ Ade	+ Ade	+ Ade	+ Ade	- Ade	+ Ade	- Ade	+ Ade	- Ade vs + Ade	mutant - Ade vs WT - Ade	mutant + Ade vs WT + Ade
NAD ⁺ /WT	4.82	5.1	5.7	5.7	6.1	6.3	7	6.6	5.33	6.50	0.44	0.39	7.7E-03		
NAD ⁺ / <i>prs3</i>	1.92	2.5	2.8	2.85	3.99	4.3	4.2	4.7	2.52	4.30	0.43	0.30	7.7E-04	9.7E-05	1.6E-04

Relative peak area (mean peak area from cells grown in the presence of adenine was set at 1 and used to calculate the relative peak areas)

Metabolite/Strain	- Ade	- Ade	- Ade	- Ade	+ Ade	+ Ade	+ Ade	+ Ade	Mean	Mean	SD	SD	Unpaired t-Test	Unpaired t-Test	Unpaired t-Test
	- Ade	- Ade	- Ade	- Ade	+ Ade	+ Ade	+ Ade	+ Ade	- Ade	+ Ade	- Ade	+ Ade	- Ade vs + Ade	mutant - Ade vs WT - Ade	mutant + Ade vs WT + Ade
ATP/WT	0.92	0.90	0.92	0.93	1.01	1.00	0.99	1.00	0.92	1.00	0.01	0.01	9.0E-05		
ATP/ <i>prs3</i>	0.27	0.29	0.39	0.39	0.55	0.55	0.68	0.62	0.34	0.60	0.06	0.06	9.7E-04	2.4E-04	9.7E-04

Metabolite/Strain	- Ade	- Ade	- Ade	- Ade	+ Ade	+ Ade	+ Ade	+ Ade	Mean	Mean	SD	SD	Unpaired t-Test	Unpaired t-Test	Unpaired t-Test
	- Ade	- Ade	- Ade	- Ade	+ Ade	+ Ade	+ Ade	+ Ade	- Ade	+ Ade	- Ade	+ Ade	- Ade vs + Ade	mutant - Ade vs WT - Ade	mutant + Ade vs WT + Ade
NAD ⁺ /WT	0.74	0.78	0.88	0.88	0.94	0.97	1.08	1.02	0.82	1.00	0.07	0.06	7.7E-03		
NAD ⁺ / <i>prs3</i>	0.30	0.38	0.43	0.44	0.61	0.66	0.65	0.72	0.39	0.66	0.07	0.05	7.7E-04	9.7E-05	1.6E-04

p>0.05
0.05<p>0.01
0.01<p>0.001
p<0.001