Supplemental Table 3. Effects of NuoI mutations on production of superoxide radicals coupled to dNADH oxidase[a].

Sample	ROS Production[b]
WT	0.015 (100%)
WT-Cap40[c]	0.079 (527%)
C60S	0.049 (325%)
C63A	0.085 (567%)
C63S	0.045 (300%)
C70H	0.096 (640%)
C102S	0.094 (627%)
P42A	0.014 (93%)
R43A	0.019 (127%)
V61A	0.060 (401%)
L65A	0.035 (233%)
P71A	0.035 (233%)
I75A	0.079 (527%)
G85A	0.02 (133%)
I94G	0.013 (89%)
R98A	0.045 (297%)
I100G	0.012 (81%)
E107A	0.05 (333%)
P110A	0.078 (520%)

[a]The production of superoxide radicals was detected by reduction of SOD-sensitive acetylated cytochrome *c*. Five μM of acetylated cytochrome *c* was used as a reporter at 550 nm for this purpose. NuoI membrane samples at 0.24 mg protein/ml in 10 mM potassium phosphate buffer (pH 7) were used and 0.15 mM dNADH was added to the reaction mixture to start the reaction.

[b] nmol reduced AcetCytC/min/mg.

[c]WT-Cap40, wild type in the presence of 10 μM Cap-40.