

SUPPORTING INFORMATION
Liu et al. Biochemistry 2008

Table SI_1

Fe_{a3} - Cu_B distance comparisons among different cytochrome *c* oxidases

PDB code Oxidized ^a enzyme	Fe _{a3} - Cu _B (Å) ^b	PDB code Reduced ^{c,d} enzyme	Fe _{a3} - Cu _B (Å)	Δ (red - ox) (Fe _{a3} - Cu _B)
1V54 Bovine Fully oxidized	5.0	1V55 Bovine Reduced crystal	5.1	+ 0.1
1OCC Fully oxidized	4.9	1OCR Bovine Reduced crystal	5.2	+ 0.3
2EIL Bovine Fully oxidized	4.8	2EIK Bovine Reduced crystal	5.1	+ 0.3
2EIN Bovine Fully oxidized	4.6	2EIM Bovine Reduced crystal	4.1	- 0.5 (?)
1QLE <i>Pd aa</i> ₃ oxidized	5.5	N/A	N/A	
1XME <i>Tt ba</i> ₃ oxidized	4.4			
1EHK <i>Tt ba</i> ₃ oxidized	4.4			
3EH4 <i>Tt ba</i> ₃ This work.	4.7	3EH3 ^c & 3EH5 ^d <i>Tt ba</i> ₃ This work.	5.1 & 5.0	+ 0.4 & 0.3

^aMost likely represents the X-ray radiation reduced enzyme. ^bDistances reported to the first decimal place. ^cTreatment of oxidized crystals with dithionite. ^dCrystal prepared from reduced enzyme.