Supporting Table. Summary of EXAFS Fitting Results for copper RBP. The best fit is shown in bold.

Sample	**Fit #**	**Ligand Environment**[a]				**Ligand Environment**[a]				
		Atom[b]	**R(Å)**[c]	**C.N.**[d]	**σ^{2}**[e]	**Atom**[b]	**R(Å)**[c]	**C.N.**[d]	**σ^{2}**[e]	**F'**[f]
RBP	1[g]	O/N	1.96	3.0	4.17					**0.39**
	2[g]	**O/N**	**1.96**	**3.0**	**4.17**	**C/C**	**2.97/ 3.92**	**0.5/ 1.5**	**1.79/ 3.44**	**0.35**
	3[h]	N_{Im}	1.98	1.0	4.56	O	1.96	2.0	3.09	0.37

[a] Independent metal-ligand scattering environment. [b] Scattering atoms: O (Oxygen), N (Nitrogen), C (Carbon). [c] Metal-ligand bond length in Å. [d] Metal-ligand coordination number. [e] Debye-Waller factor in $Å^2$ x 10^3. [f] Number of degrees of freedom weighted mean square deviation between data and fit. [g] Fit using only single scattering Feff 7 theoretical models. [h] fit using both single scattering Feff 7 model with an additional multiple scattering Fe-N(Imidazole) model, generated based on crystallographic coordinates listed in [6] and labeled N_{Im} in table atom designation. Details of fitting are described in the Experimental Section.