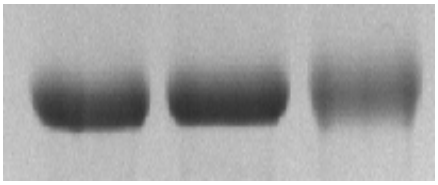


+	+	+	DNA
-	-	+	Fe^{3+}/H_2O_2/asc
-	+	-	Acetone/water

Supplementary Fig. S1. Solvent and positive oxidative damage controls for the plasmid DNA relaxation assay. The solvent control showed no detectable plasmid DNA damage, whereas the Fe^{3+}/H_2O_2/ascorbic acid system produced the expected oxidative DNA damage pattern. sc: supercoiled DNA; oc: open circular DNA; l: linear DNA.



+	+	+	DNA
-	-	+	Fe^{3+}/H_2O_2/asc
-	+	-	Acetone/water

Supplementary Fig. S2. Solvent and positive oxidative damage controls for the BSA protein oxidation/degradation assay. The solvent control showed no detectable BSA band alteration, whereas the Fe^{3+}/H_2O_2/ascorbic acid system produced the expected oxidative protein damage pattern.