

Supplementary Table 1. Summary of experimental conditions.

Experiment	MS Platform	[Ligand]	Oxidation Reaction Time and [H₂O₂]	Number of Denaturant Concentrations
CsA Binding Exp. 1	QTOF	400 μM CsA	3' /0.98 M	12
CsA Binding Exp. 1	QTOF	400 μM CsA	3' /0.98 M	12
Control	QTOF	0 M CsA	3' /0.98 M	12
Solution Exp. 1A/B	QTOF /Orbitrap	16 mM ATP 2 mM MgCl ₂	6' /0.54 M	8
Gel Exp. 1	Orbitrap	16 mM ATP 2 mM MgCl ₂	6' /0.54 M	8
Solution Exp. 2	Orbitrap	16 mM ATP 20 mM MgCl ₂	24' /0.54 M	10
Gel Exp. 2	QTOF	16 mM 20 mM MgCl ₂	24' /0.54	10