Supplementary Materials

Fig. 1s Aromatic (a) and aliphatic region (b) of $^1$H-$^{13}$C HSQC NMR spectra of the multi-histidine peptide, 2.5 mM, pH 6.2, T 298 K in the absence (blue) and in the presence of 0.5 equivalent of Mn(II) (orange). Disappearing peaks are green-labeled.
Fig. 2s Aromatic (a) and aliphatic region (b) of $^1$H NMR spectra of the multi-histidine-glutamate peptide, 2.5 mM, pH 7.4, T=298K in the absence (red) and in the presence of 0.5 equivalent of Mn(II) (blue).
**Fig. 3s** Aromatic (a) and aliphatic region (b) of $^1$H NMR spectra of the multi-histidine peptide, 2.5 mM, pH 7, T=298K in the absence (red) and in the presence of 1 equivalent of Co(II) (blue).