Fig. S1 Molecular structure of [Ru(phen)2(L1)]+ showing atomic numbering.

Fig. S2 pH dependence of the emission spectra of [Ru(phen)2(L2)]+ (5 X 10^-5 M) in an aqueous Britton-Robinson buffer at pH 1.72, 2.11, 2.32, 2.84, 3.22, 3.53, 3.85, 4.11, 5.28 and 6.15.