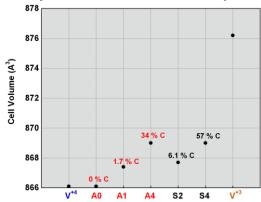
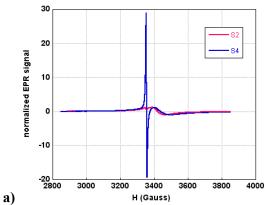
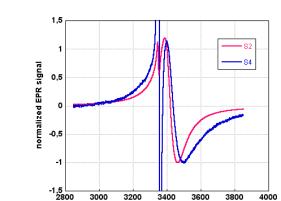
SUPPLEMENTARY INFORMATION

S1. Comparison of cell volume values for the synthesized samples with the V^{4+} and V^{3+} extremes



S2. EPR spectra of (a) S2 and S4 samples and (b) augmented view for S2 and S4.





3200

3600

3400

H (Gauss)

3800

3000

b)