Supplementary Materials: β,β-Isomer of Open-Wells-Dawson Polyoxometalate Containing Tetra-Iron(III) Hydroxide Cluster: $[\{Fe_4(H_2O)(OH)_5\}(\beta,\beta\text{-}Si_2W_{18}O_{66})]^{9-}$

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Table S1. Bond valence sum (BVS) calculations of Fe and O atoms of the $\{Fe_4(H_2O)(OH)_5\}$ cluster moieties of **β, β-Fe₄-open**.

Fe(1)	2.981	O(67)	1.106
Fe(2)	3.030	O(68)	0.796
Fe(3)	3.018	O(69)	1.157
Fe(4)	3.148	O(70)	0.660
		O(71)	1.170
		O(72)	1.255

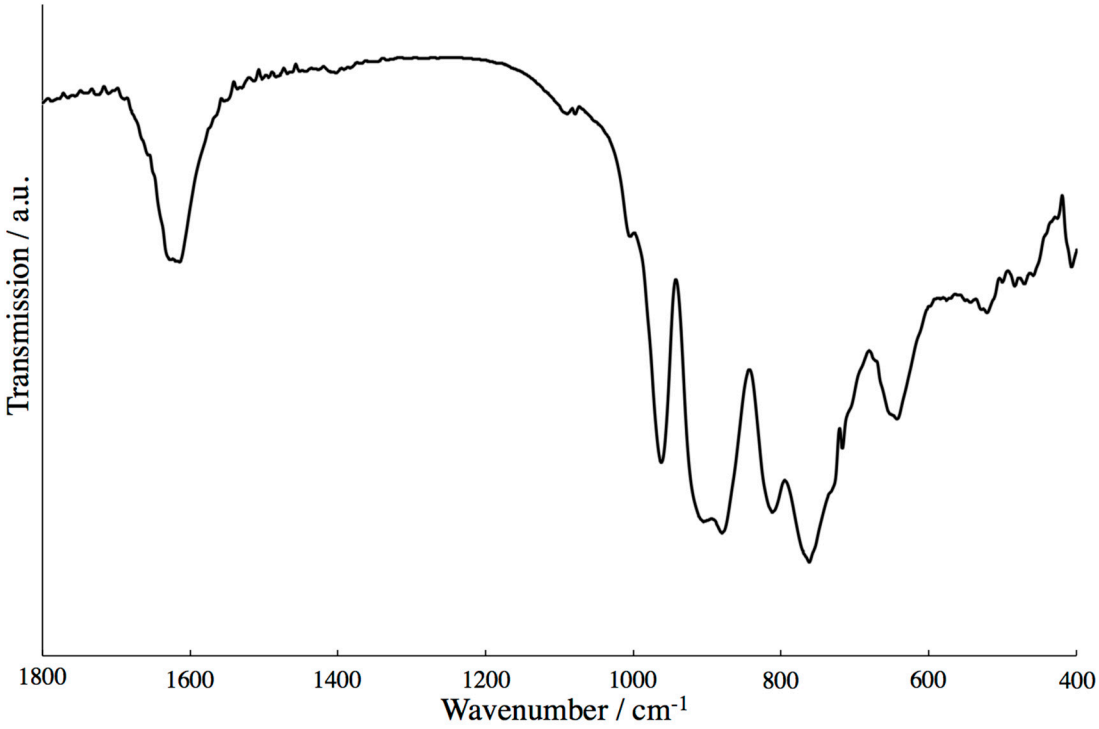

Figure S1. FT-IR spectrum of potassium salt of **β,β-Fe₄-open** (KBr disk).

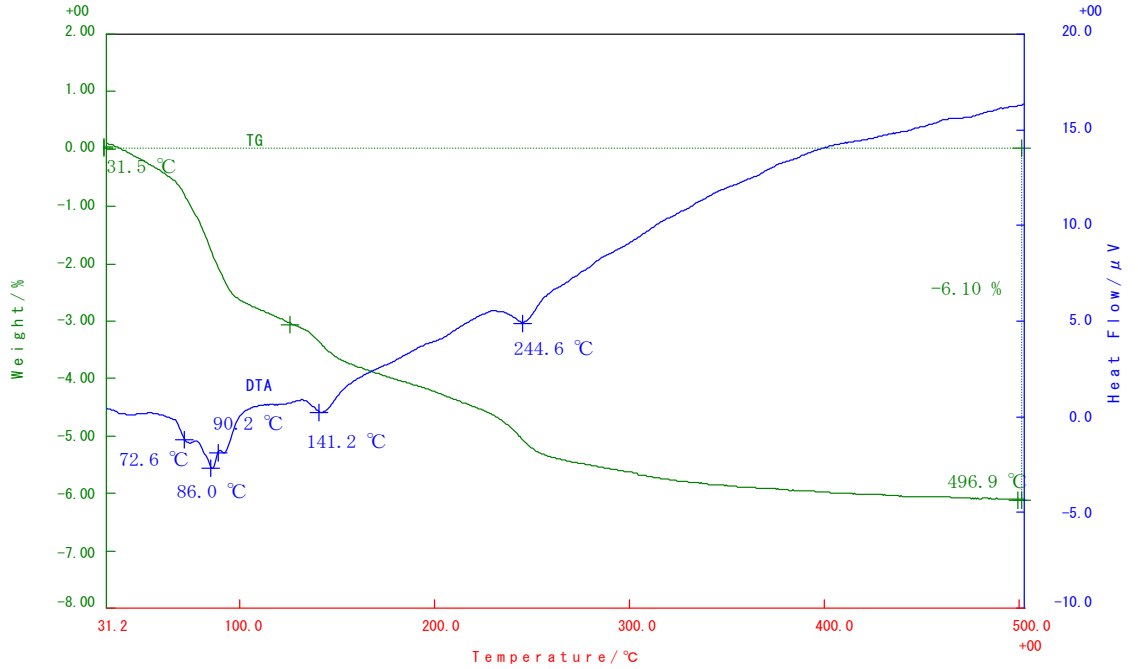

Figure S2. TG/DTA data of potassium salt of **β,β-Fe₄-open**.

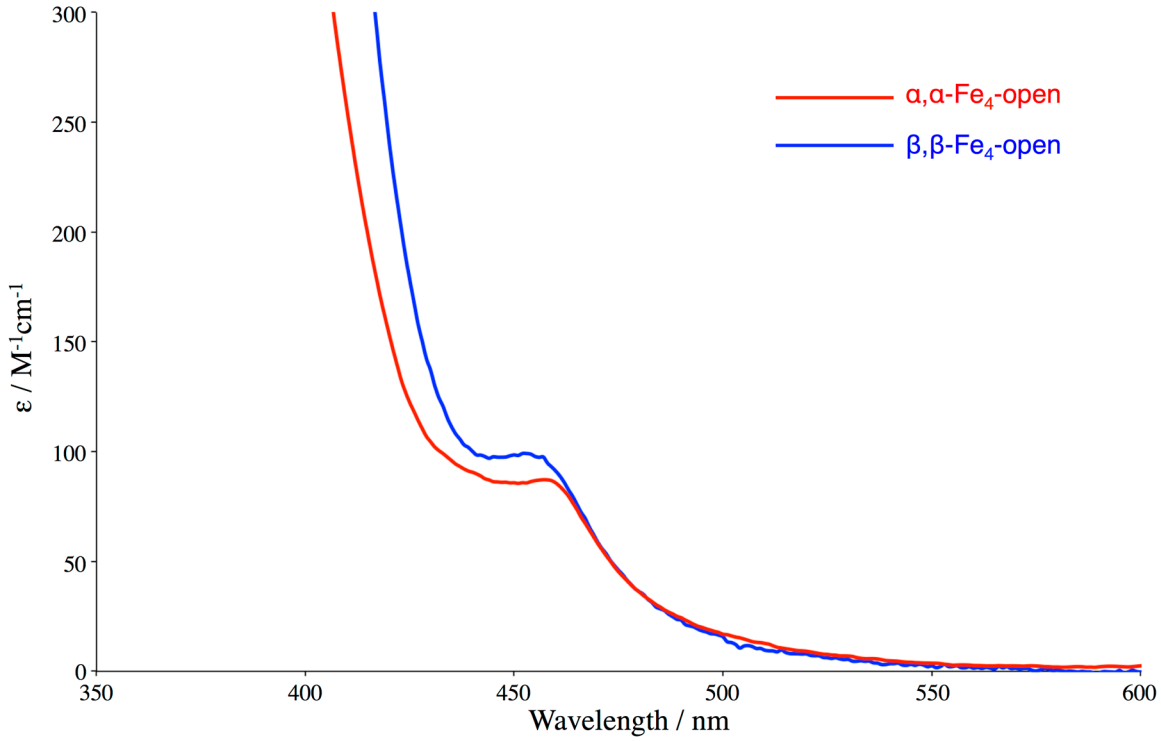

Figure S3. UV/VIS absorption spectra of potassium salt of ***α,α*-** (red line) and **β,β-Fe₄-open** (blue line) in H_2O.

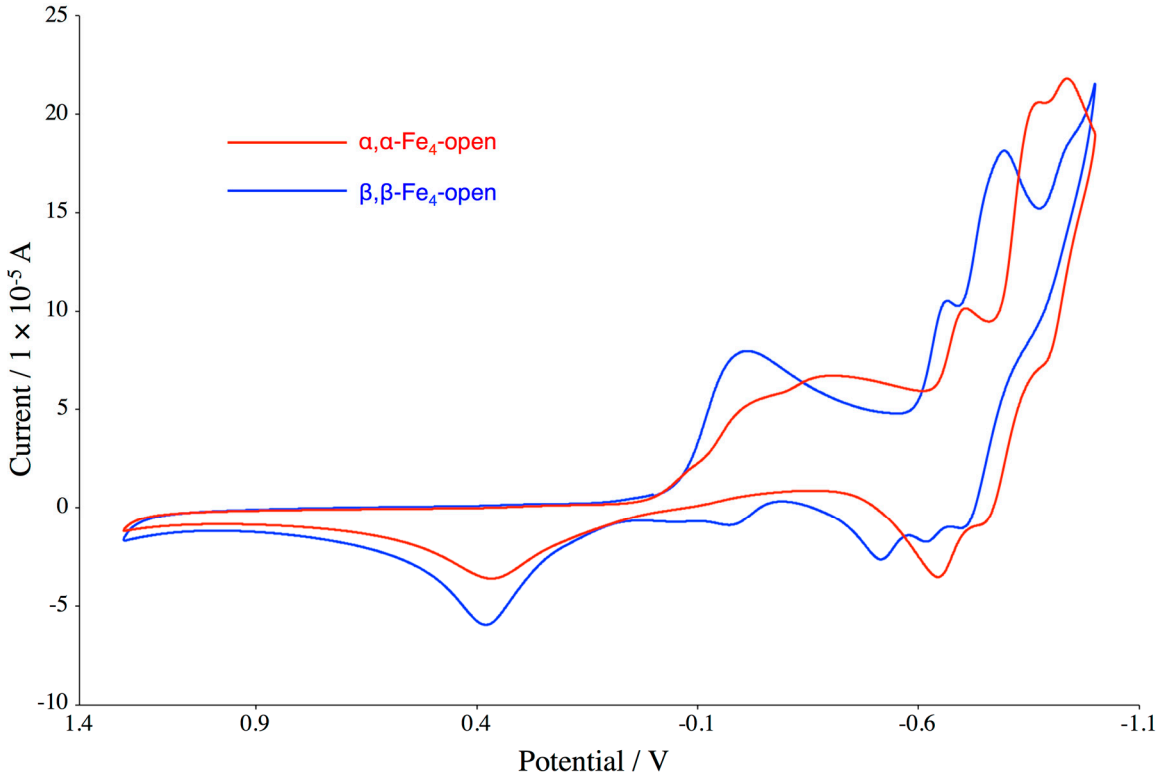

Figure S4. Cyclic voltammograms (CV) of 0.5 mM potassium salt of ***α,α-*** (red line) and **β,β-Fe4-open** (blue line) in 0.5 M potassium acetate buffer, pH 4.8, scan rate 25 $mV \cdot s^{-1}$, under N_2.