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Supplementary Material for the Microfilm Edition

Figure 1s : Simulations of the frozen aqueous solution X-band EPR spectrum of VO^{2+}-IGPD in the non-derivative form, as shown in the inset of Fig.1, deconvoluted for the three identified sub-spectra.

Figure 2s : Powder ESEEM simulations of the high-frequency ^{14}N features in the Fourier-transform spectra of VO^{2+}-IGPD simulated at T = 4.2 K with the hfi and nqi parameters for the vanadyl g- and hf-parameters of VO-IGPD used in the present work but for the Euler angles of the ^{14}N interaction parameters as reported for D-xylose isomerase (Dikanov et al., 1995).