## Structural variations in metal complexes of a tertiary αhydroxyoxime

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## **SI: Supporting Information**



Figure S1. Representations of the hydrogen bond polymer formed in **ZnL** (isomorphous with **NiL**)



Figure S2. Representation of the one-dimensional hydrogen bonded polymer formed in **MnL**.



Figure S3. The unit cell observed in **CuL**, showing that the two independent complexes are pseudorelated by a translation of half the *c* axis (i.e. z+1/2)



Figure S4. Representation of the one-dimensional hydrogen bonded polymer formed in CuL.



Figure S5. Infrared spectrum of NiL.



Figure S6. Infrared spectrum of **ZnL**.



Figure S7. Infrared spectrum of MnL.



Figure S8. Infrared spectrum of CuL.



Figure S9. Infrared spectrum of Cu2L.



Figure S10. Infrared spectrum of **Mn3L**.



Figure S11. Infrared spectrum of **Co3L**.