Electronic Supplementary Information for:

Supramolecular chirality in the crystals of mononuclear and polymeric cobalt(II) complexes with enantiopure and racemic *N*-thiophosphorylated thioureas

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Table of Contents Page

Figure S1. A fragment of crystal packing showing homochiral layers of (<i>R</i> , <i>R</i> / <i>S</i> , <i>S</i>)-32
Figure S2. IR spectra recorded in KBr pellets for (R,R)-3 before (a) and after (b) heating
Figure S3. IR spectra of (<i>R</i> , <i>R</i>)-3 recorded from single crystal in the range 500-5000 cm ⁻¹ 4
Figure S4. Cyclic voltammograms for 1.5 mM solution of (R,R) -3 (I) and 3' (II) in DCM. Conditions:
Figure S5. Cyclic voltammograms for (<i>R</i> , <i>R</i>)-3 (I) and 3' (II) at modified working electrode: glassy
carbon/ samples (R,R)-3 or 3'/Nafion. Conditions: scan rate 0.1V s ⁻¹ , supporting electrolyte: Bu ₄ NBF ₄
in MeCN5
Figure S6 A fragment of crystal packing along the polymeric chains of $(P, P)_{-2}$



Figure S1. A fragment of crystal packing showing homochiral layers of (*R*,*R*/*S*,*S*)-3.



Figure S2. IR spectra recorded in KBr pellets for (R,R)-3 before (a) and after (b) heating.



Figure S3. IR spectra of (*R*,*R*)-3 recorded from single crystal in the range 500-5000 cm⁻¹.



Figure S4. Cyclic voltammograms for 1.5 mM solution of (*R*,*R*)-3 (I) and 3' (II) in DCM. Conditions: scan rate 0.1V s⁻¹, working electrode: glassy carbon, supporting electrolyte: Bu_4NBF_4 .



Figure S5. Cyclic voltammograms for (*R*,*R*)-3 (I) and 3' (II) at modified working electrode: glassy carbon/ samples (*R*,*R*)-3 or 3'/Nafion. Conditions: scan rate 0.1V s⁻¹, supporting electrolyte: Bu_4NBF_4 in MeCN.



Figure S6. A fragment of crystal packing along the polymeric chains of (*R*,*R*)-3.