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Supplementary Information for:

Quantitative mapping of magnetic properties at the nanoscale with bimodal AFM

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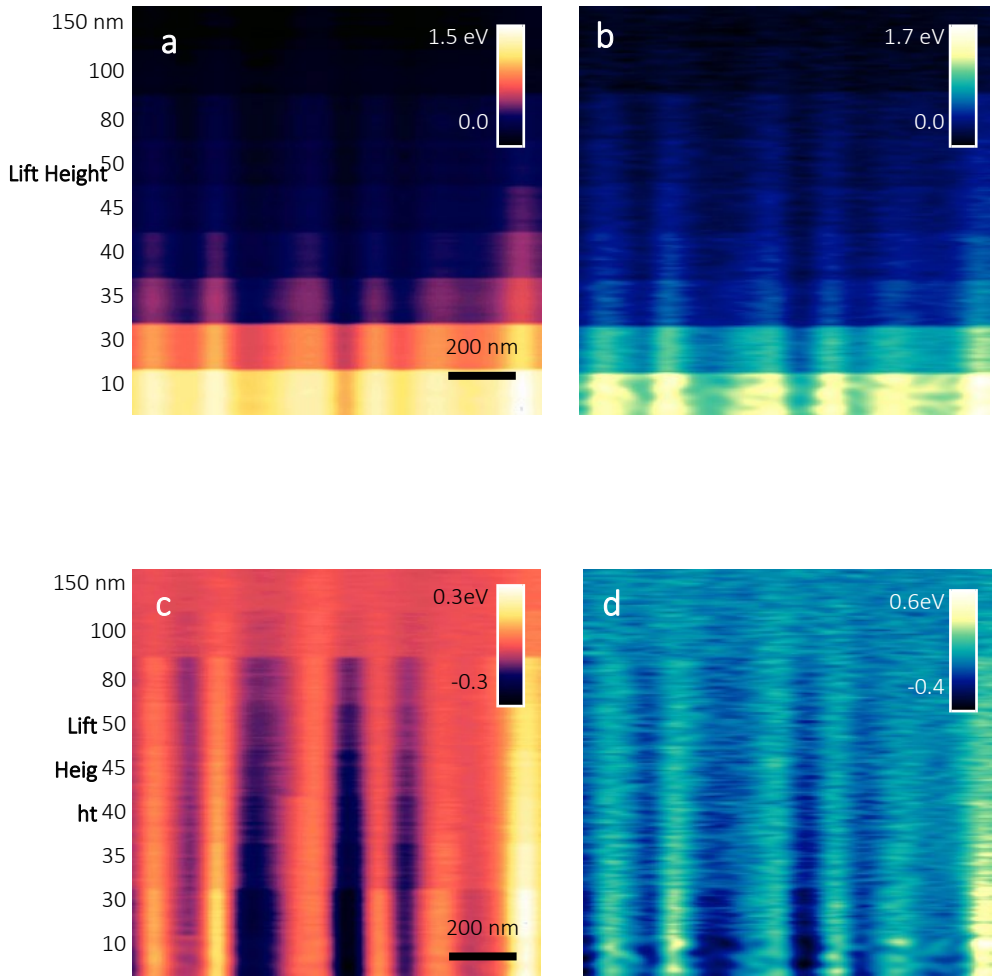

Figure S1. Bimodal AFM cross-sections obtained at different lift heights. (a) $V_1(x)$ as a function of the lift height. (b) $V_2(x)$ cross-section as a function of the lift height. (c) $V_1(x)$ and (d) $V_2(x)$ after subtracting the non-magnetic contribution. Sample: high-density disk.