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Supplementary information for: Theoretical prediction of superconductivity in monolayer CoO $_2$ [†]

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Fig. S 1 a) Phonon dispersion of monolayer CoO_2 , the area of the red circles is propotional to the strength of phonon linewidth $\gamma(q, \omega)$, (b) phonon DOS and (c) Eliashberg function $\alpha^2 F(\omega)$ with accumulated EPC strength $\lambda(\omega)$ using PBE exchange-correlation functional.



Fig. S 2 Cohesive energies of CoO₂ and other common 2D materials using LDA exchange-correlation functional.

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