Supplementary Material to the article

"Microstructure and Superconducting Properties of $Na_{1-\delta}Fe_{1-x}Co_xAs$ Single Crystals"

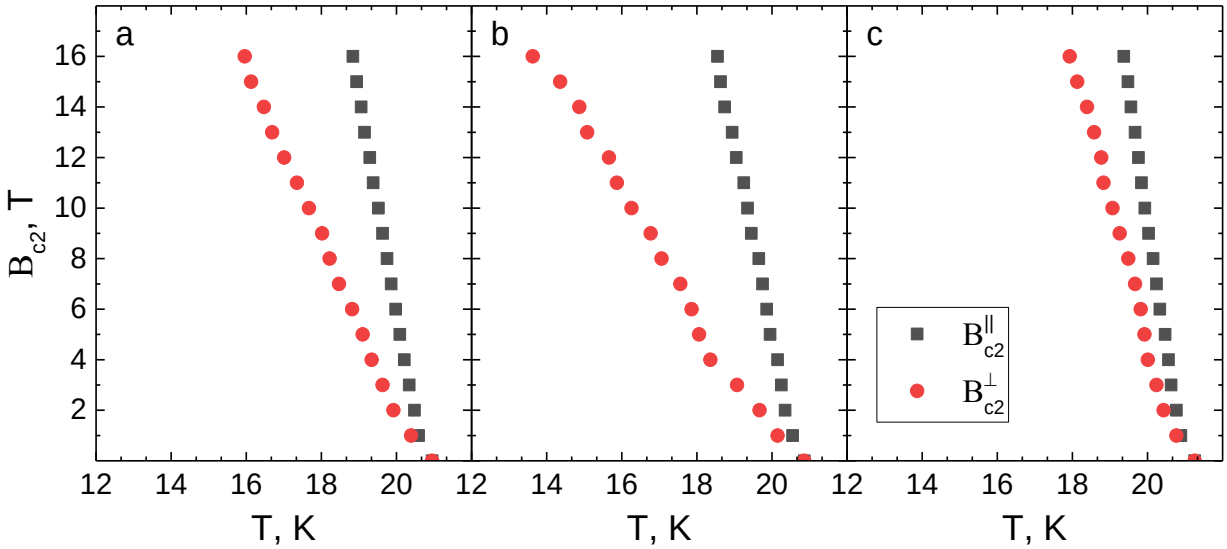

Fig. S1. Temperature dependence of the upper critical field $H_{c2}(T)$ of the $Na_{1-\delta}Fe_{0.955}Co_{0.045}As$ single crystal in the vicinity of T_c with the field orientations H || ab (squares) and H || c (circles), determined using data of Fig. 2 with the three criteria: 50% (a), max[dR/dT] (b), T_c^{onset} (c).

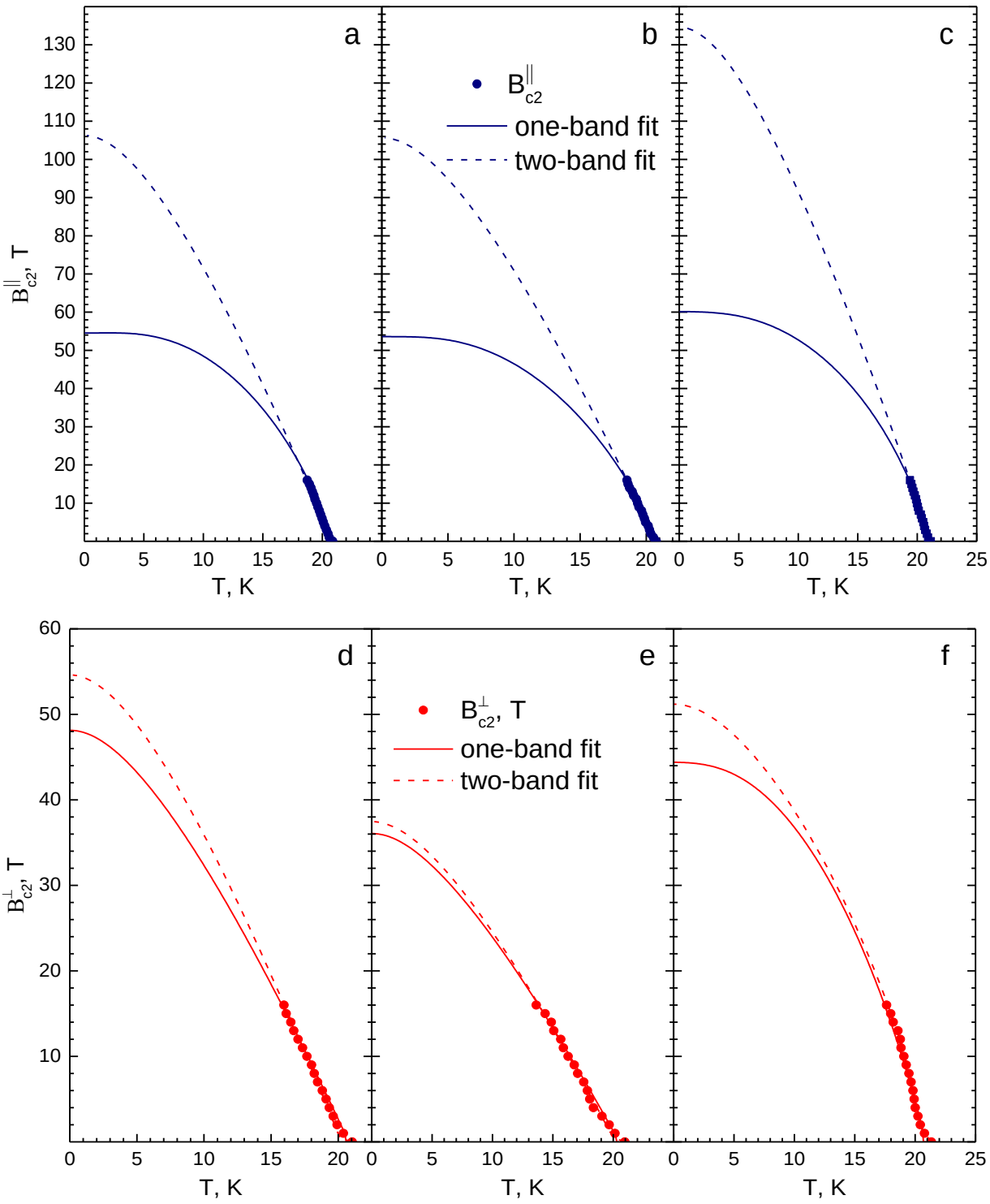

Fig. S2. Temperature dependence of the upper critical field $H_{c2}(T)$ of the $Na_{1-\delta}Fe_{0.955}Co_{0.045}As$ single crystal with the field orientations H || ab (a–c) and H || c (d–f), determined using data of Fig. 2 with the three criteria: 50% (a,d), max[dR/dT] (b,e), T_c^{onset} (c,f). Fits with WHH and Gurevich models are shown by solid and dashed lines, respectively.

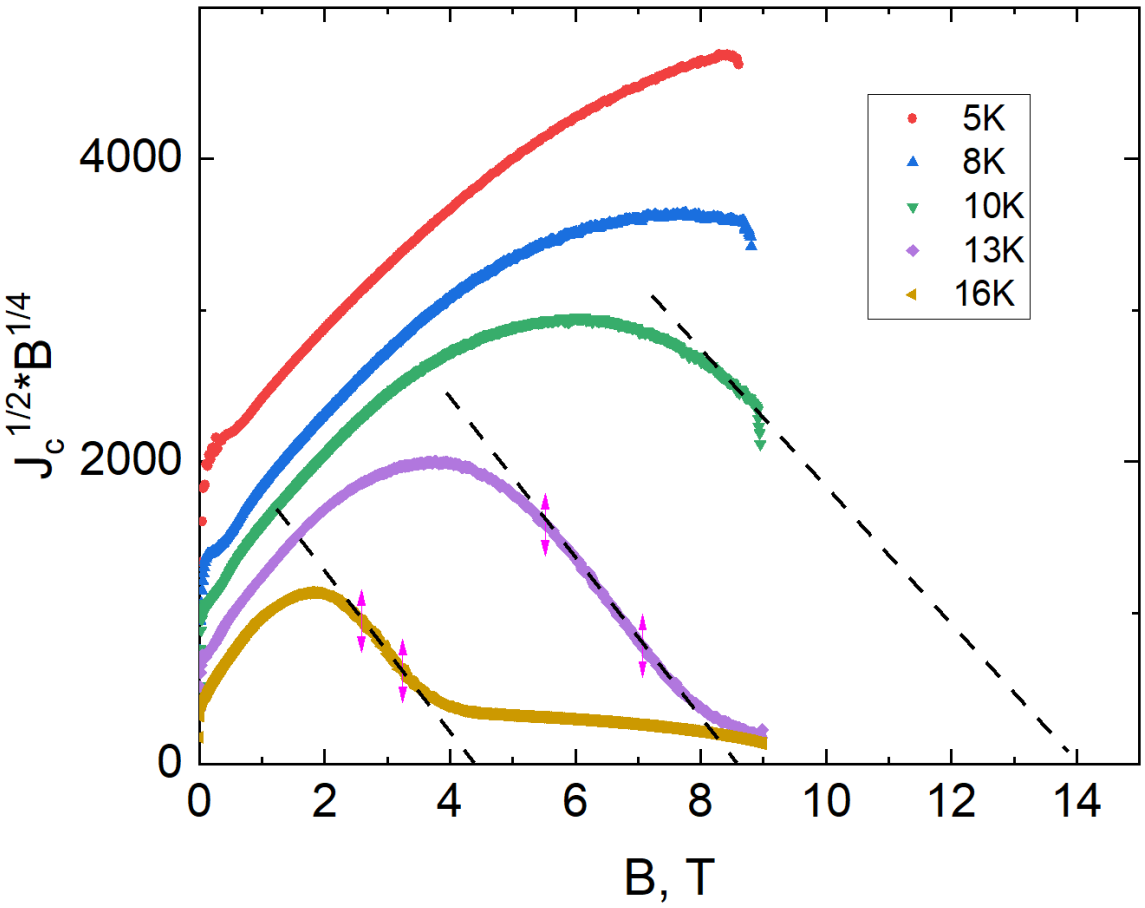

Fig. S3. Kramer plot ($J_c^{1/2}\times B^{1/4}$ versus B). Dashed line shows the data extrapolation in order to determine $B_{irr.}$