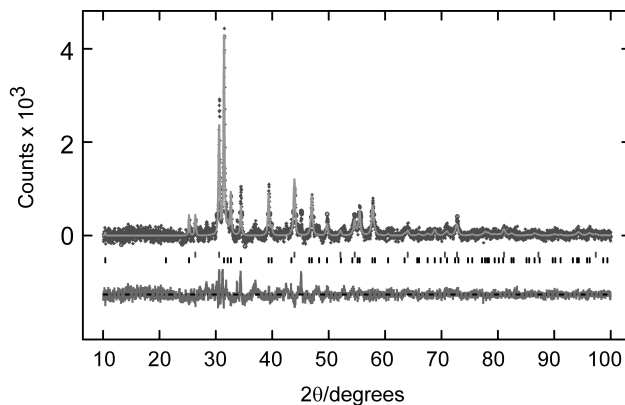


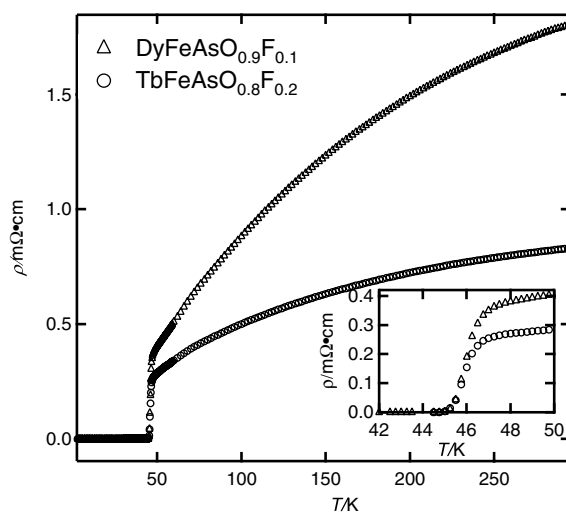
Supplementary Material for

High pressure synthesis of late rare earth $R\text{FeAs}(\text{O},\text{F})$ superconductors; $R = \text{Tb}$ and Dy .

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Supplementary Figure 1 Observed (•) and calculated (–) x-ray diffraction profiles for DyFeAsO_{0.9}F_{0.1} at room temperature. The upper set of tick marks refers to the minority phase, DyAs and the lower set to DyFeAsO_{0.9}F_{0.1}. Goodness of fit parameters of $\chi^2 = 1.76$, $R_{wp} = 2.33\%$, $R_p = 1.75\%$, for refinement of 24 variables.



Supplementary Figure 2 Temperature dependence of the electrical resistivity of TbFeAs(O,F) and DyFeAs(O,F) measured in zero field. Inset: Expanded view of low temperatures, showing superconducting transitions.