

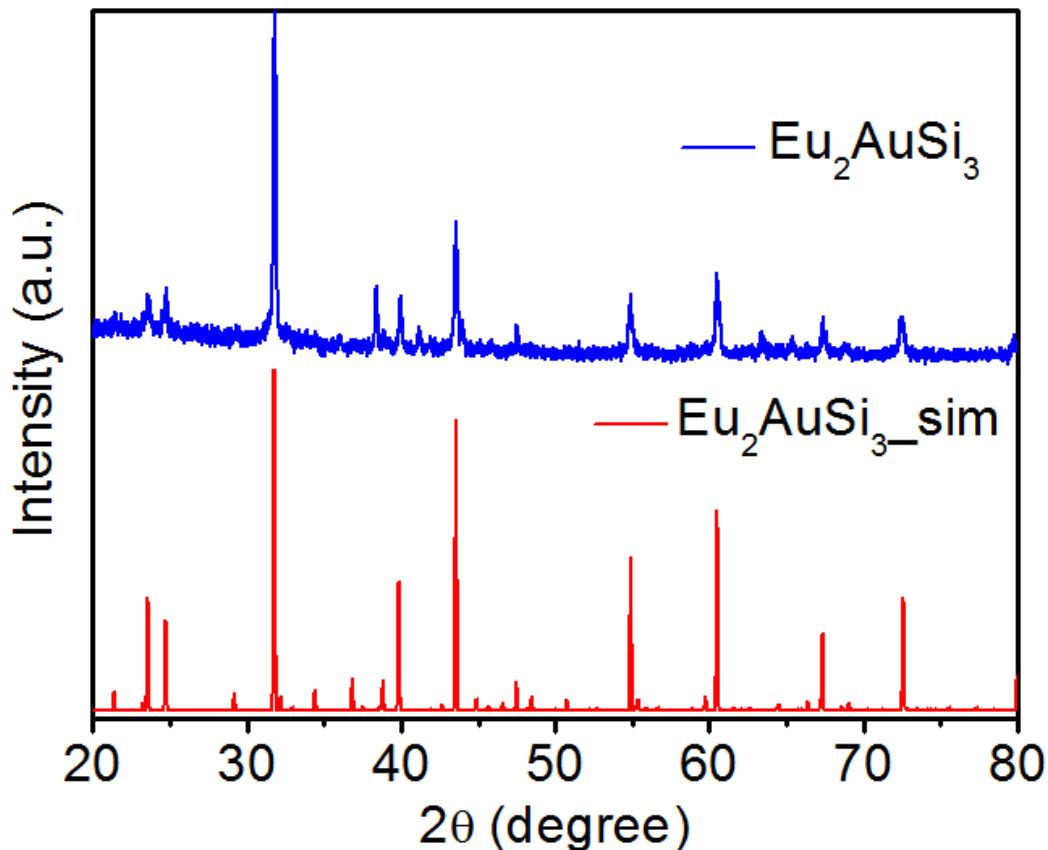
**Supplementary Information for**  
**Crystal Structure and Physical Properties of Indium Flux Grown**  
 **$RE_2AuSi_3$  ( $RE = Eu, Yb$ )**

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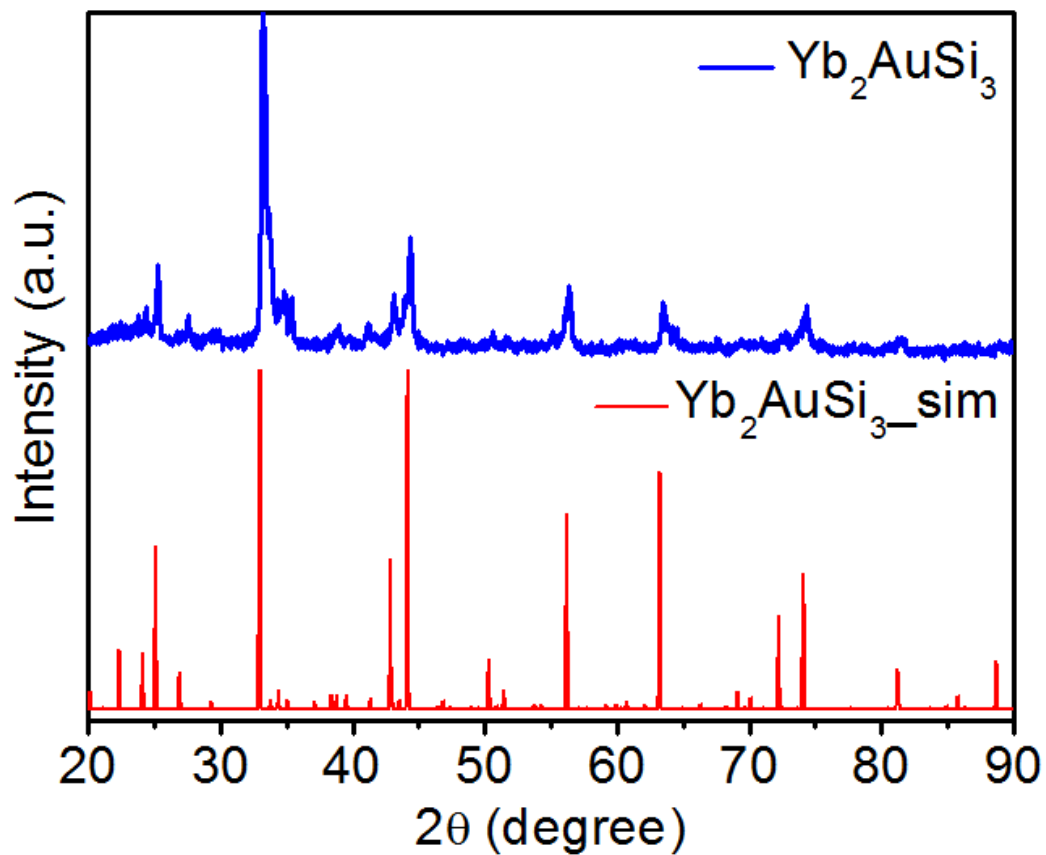
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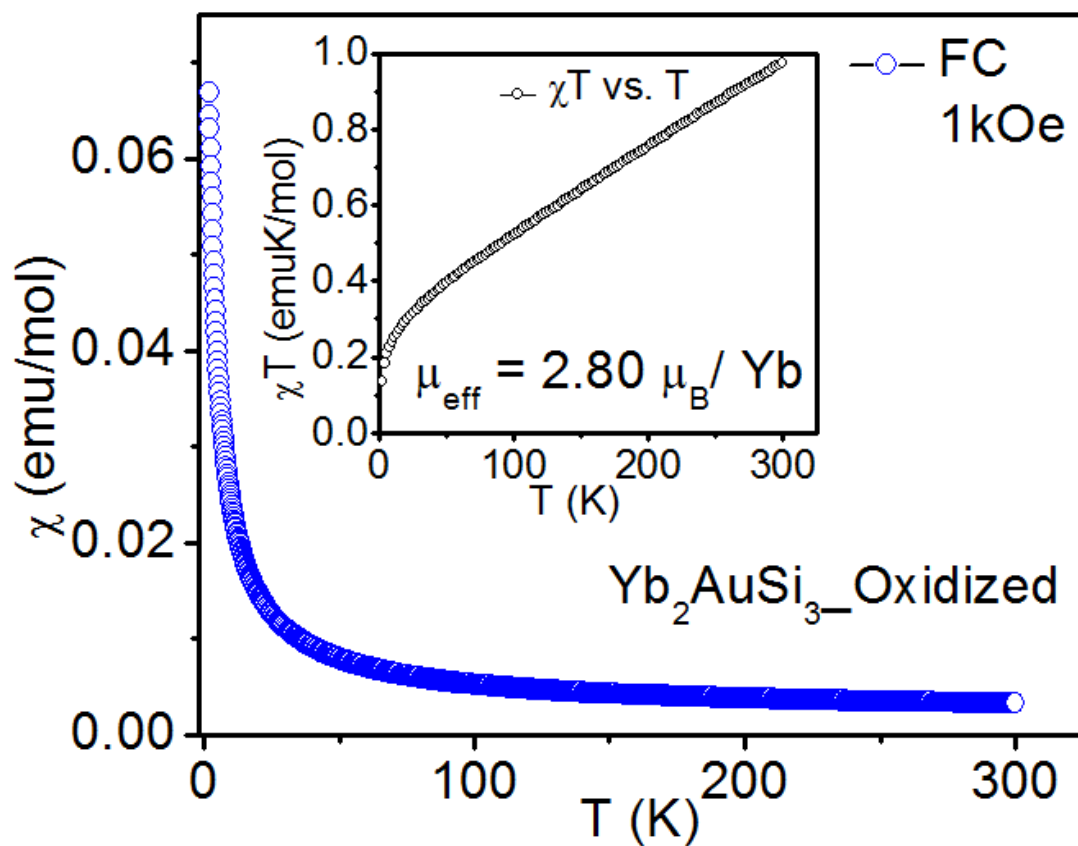
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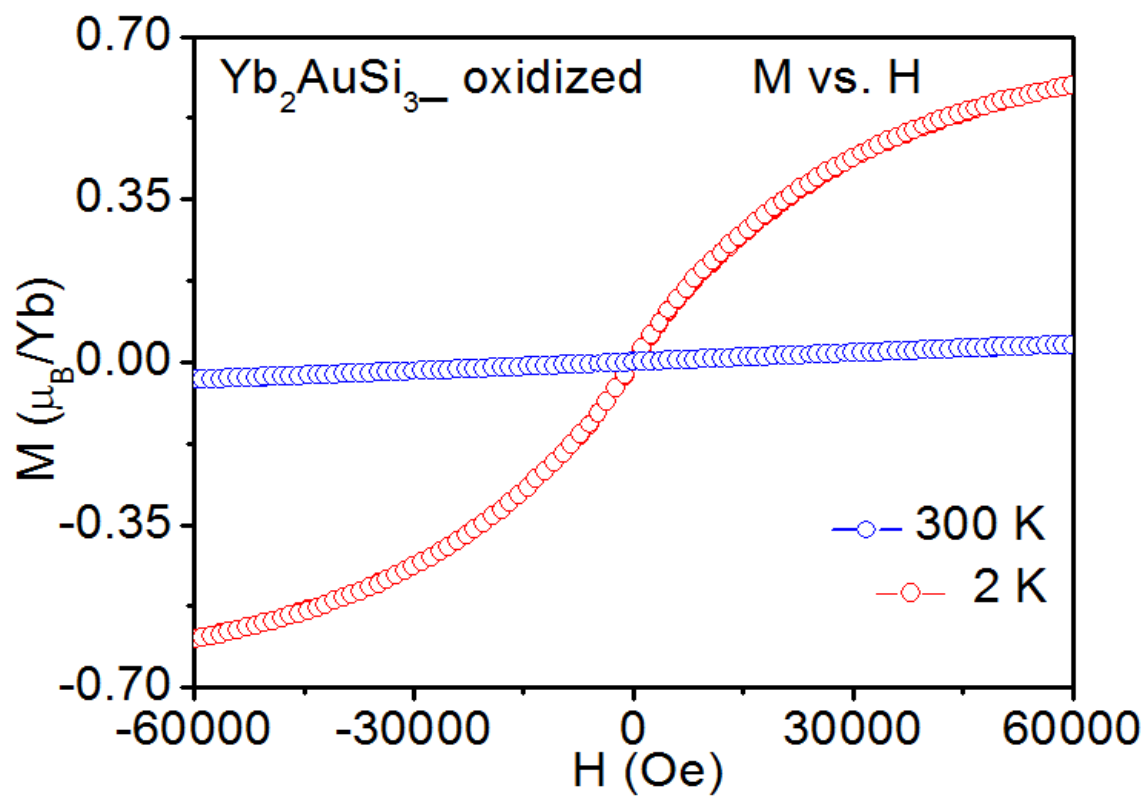
**Figure S1.** Comparison of PXRd pattern of polycrystalline sample of  $Eu_2AuSi_3$  with that of simulated pattern obtained from the data of X-ray diffraction on a single crystal.



**Figure S2.** Comparison of PXR pattern of polycrystalline sample of  $\text{Yb}_2\text{AuSi}_3$  with that of simulated pattern obtained from the data of X-ray diffraction on a single crystal.



**Figure S3.** Temperature dependent molar magnetic susceptibility of  $\text{Yb}_2\text{AuSi}_3$  after weeks of synthesis at 1 k Oe applied magnetic field. The inset represents the plot of  $\chi T$  vs. temperature at the same field. The effective magnetic moment is  $2.80 \mu_{\text{B}}/\text{Yb}$ .



**Figure S4.** Field dependence of magnetic moment of oxidized Yb<sub>2</sub>AuSi<sub>3</sub>.