**Optical, magnetic and magneto-transport properties of  
Nd1-*x*A*x*Mn0.5Fe0.5O3-δ (A=Ca, Sr, Ba; *x*=0, 0.25)**

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**Fig. S1**. Refined XPRD profiles of Nd1-*x*A*x*Mn0.5Fe0.5O3-δ [19]. The open red circles, black lines, the bottom blue lines and green vertical bars represent the experimental data, calculated pattern, difference curves and Bragg positions, respectively.