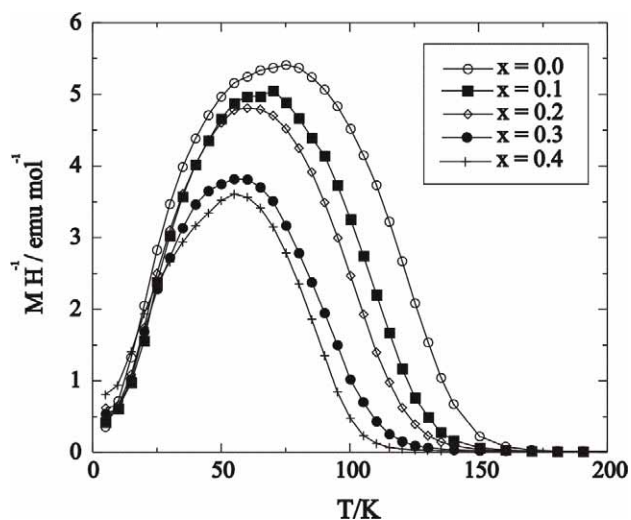


Supplementary Table 1. Refined cell parameters and magnetic transition temperatures for the $\text{Ru}_{1-x}\text{Ta}_x\text{Sr}_2\text{Nd}_{0.95}\text{Y}_{0.15}\text{Ce}_{0.9}\text{Cu}_2\text{O}_{10}$ solid solutions.

x	a (Å)	c (Å)	T_{Ru} (K)	T_{Cu} (K)
0.00	3.8546(2)	28.5610(9)	144	73
0.05	3.8559(3)	28.5739(9)	143	72
0.10	3.8564(3)	28.5874(9)	132	67
0.15	3.8587(3)	28.5920(9)	129	65
0.20	3.8599(3)	28.6121(9)	124	59
0.30	3.8612(3)	28.6268(9)	110	58
0.40	3.8644(3)	28.6405(9)	102	55

Supplementary Fig. 1 Temperature variation of zero-field cooled magnetic susceptibility



for the $\text{Ru}_{1-x}\text{Ta}_x\text{Sr}_2\text{Cu}_2\text{Nd}_{0.95}\text{Y}_{0.15}\text{Ce}_{0.9}\text{Cu}_2\text{O}_{10-\delta}$ solid solutions recorded in a 100 Oe field.