

*Supplementary Information for*

**Multiple Coherent Amplitude Modes and Exciton-phonon Coupling in  
Quasi-one-dimensional Excitonic Insulator Ta<sub>2</sub>NiSe<sub>5</sub>**

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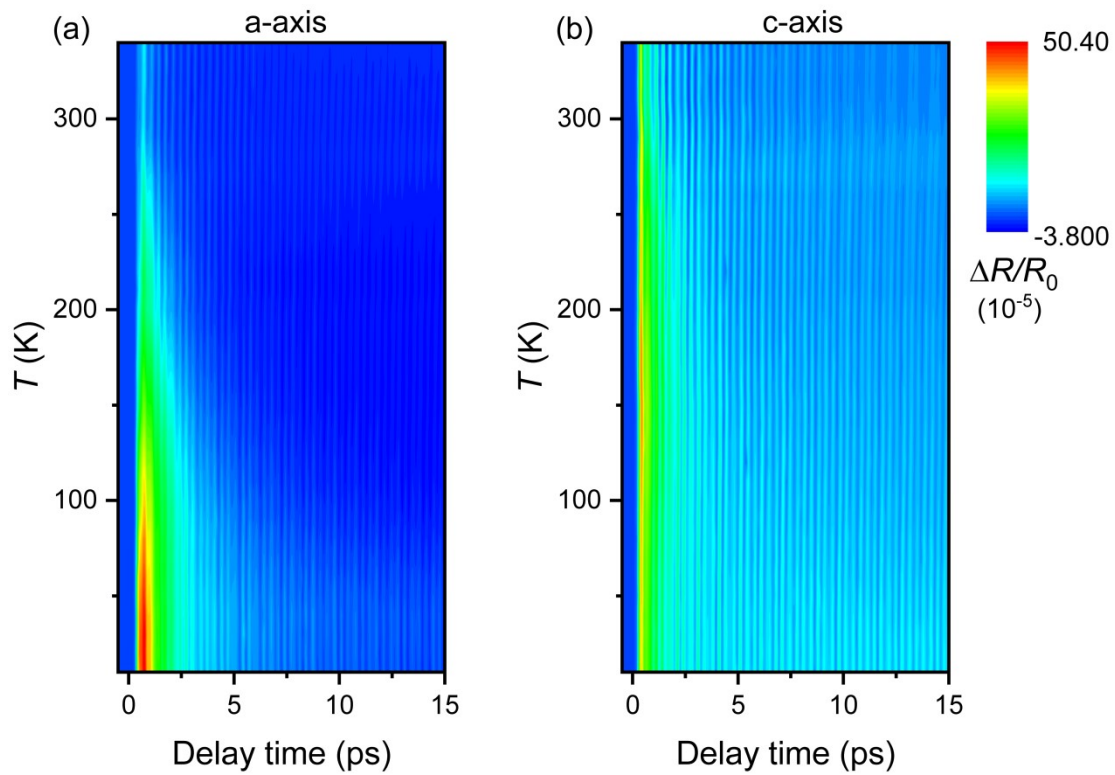
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**Fig. S1.** Temperature-dependent  $\Delta R(t)/R_0$  time series collected for a- and c-axis.