Description of Additional Supplementary Files

File Name: Supplementary Code

Description: Raw measurement data of the spectrum shown in Fig. 2. And transition

frequencies extracted from Fig. 2, used for fitting.

File Name: Supplementary Data 1

Description: Code for performing the fitting procedure, as well as the code used to calculate

Figs. 3c, 4, and 5 based on the parameters obtained from the fitting.