Supplementary material

Electronic origins of the mixed isotopomers 1D2H-benzimidazole and 1H2D-benzimidazole, together with the best fit using the parameters from Table 1, main document.

Figure S1: Rotationally resolved electronic spectrum of the origin $\nu_0$ of 1D2H-benzimidazole at 36028.46 cm$^{-1}$ along with the simulation using the best parameters given in Table 1, main document.
Figure S2: Rotationally resolved electronic spectrum of the origin $\nu_0$ at of 1H2D-benzimidazole at 36045.56 cm$^{-1}$ along with the simulation using the best parameters given in Table 1, main document.