## The role of weak hydrogen bonds in chiral recognition

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# **Supplementary information**

#### Figure S1

Comparison between the IRMPD spectra of  $QnH^+$  (triangles) and its pseudo enantiomer  $QdH^+$  (squares) in the region of the  $\nu(OH)$  stretch.

#### Figure S2

IRMPD spectrum of (CdQn)H<sup>+</sup> in the 2800-3800 cm<sup>-1</sup> energy range.

## Figure S3

Most stable calculated structures of (CdQn)H<sup>+</sup> obtained at the b3-lyp/6-31+G\* level of the theory.

#### Figure S4

Most stable calculated structures of (CdQd)H<sup>+</sup> obtained at the b3-lyp/6-31+G\* level of the theory.

### Figure S5

IRMPD spectrum of (CdQd)H<sup>+</sup> in the 2800-3800 cm<sup>-1</sup> energy range.

Figure S1

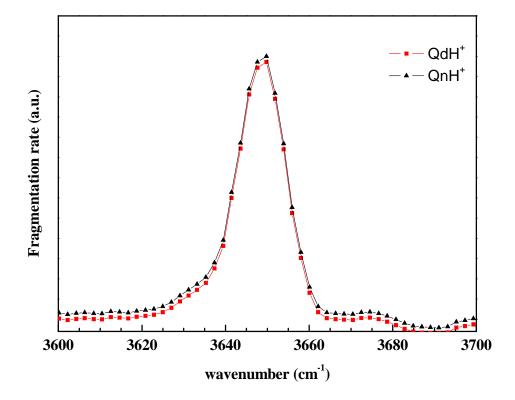
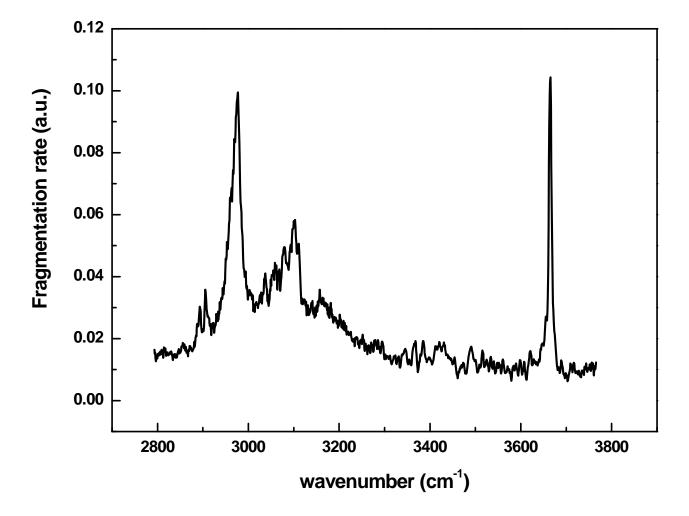


Figure S2



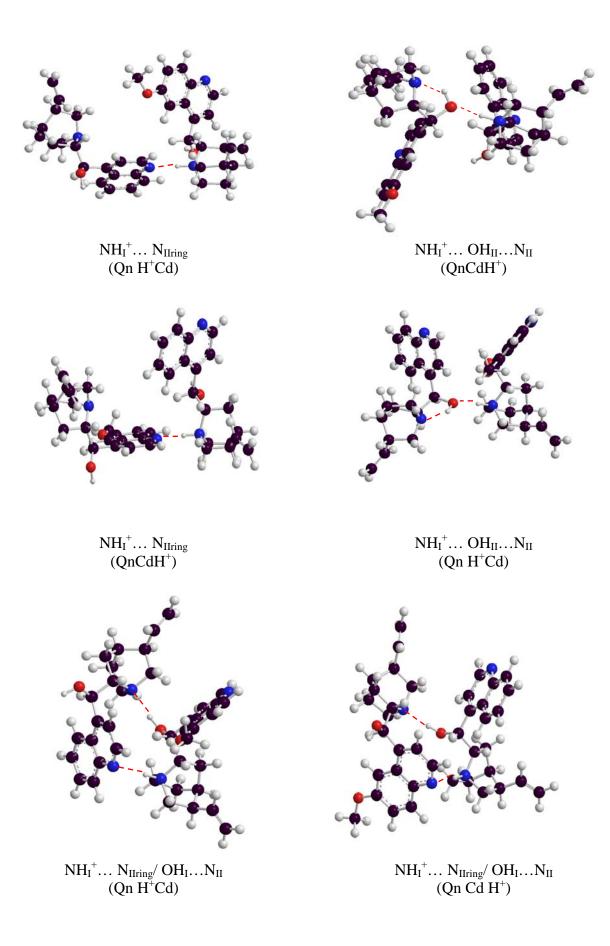


Figure S4

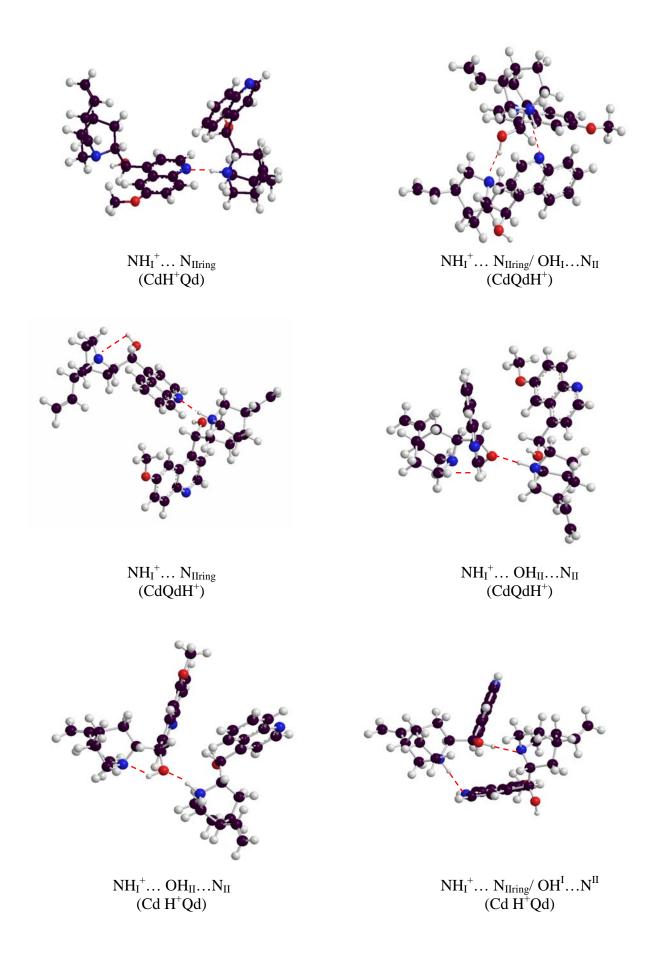


Figure S 5

