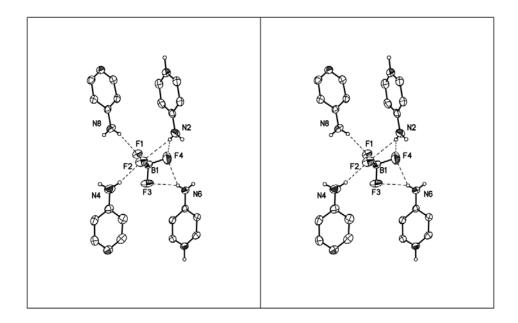
## SUPPLEMENTARY INFORMATION

## Homoconjugated 4-aminopyridine salts: Influence of anions on network topology

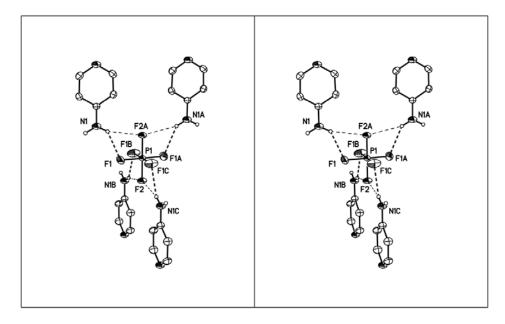
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**Figure S1**. Stereo view of the hydrogen-bonding environment of the non-disordered anion in  $[(4-AP)_2H]BF_4$ , drawn with 50 % thermal contours.



**Figure S2**. Stereo view of the hydrogen-bonding environment of the non-disordered anion in [(4-AP)<sub>2</sub>H]PF<sub>4</sub>, drawn with 50 % thermal contours. Strong hydrogen bonds are drawn in bold. (See text.)

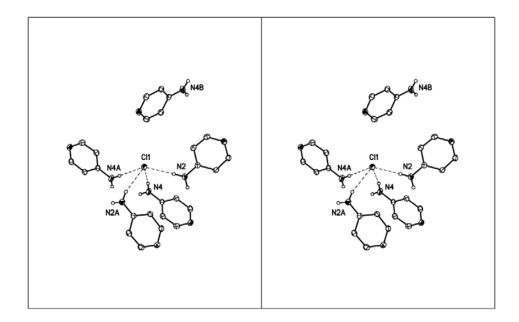
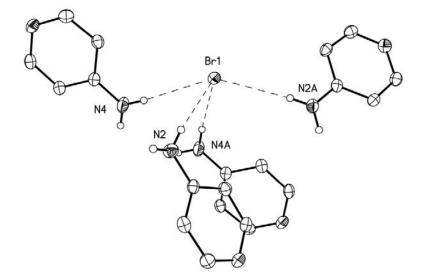


Figure S3. Stereo view of the environment of the Cl anion in  $[(4-AP)_2H]Cl$ , drawn with 50 % thermal contours.



**Figure S4**. A view of the hydrogen bonding interactions about the Br anion in  $[(4-AP)_2H]Br$ , drawn with 50 % thermal contours.

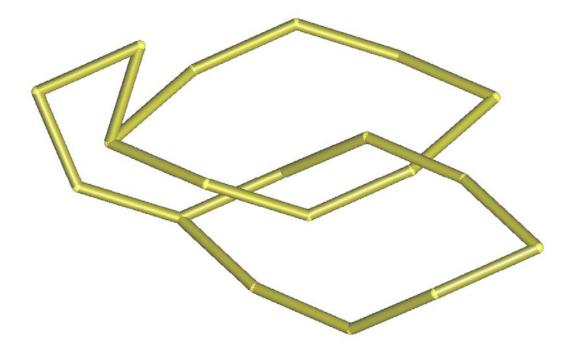


Figure S5. A view of two self-catenated circuits in  $[(4-AP)_2H]Cl$ , showing shortest link between catenating circuits of three nodes.