**Supplementary Information**

Synthesis, structural characterization and anion binding studies of palladium macrocycles with hydrogen-bonding ligands

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Figure S1 – ESI(+) mass spectrum of 1 in MeCN
Figure S2 – Amplification of the area corresponding to [Pd(dppp)(L¹)(OTf)]⁺. The smaller peaks at fractional a.m.u. correspond to the doubly charged species [Pd₂(dppp)₂(L¹)₂(OTf)₂]²⁺.
Figure S3 – Amplification of the area corresponding to the doubly charged species (peak on the right) $\text{[Pd}_3(\text{dppp})_3(\text{L}^1)_3(\text{OTf})_4]^2^+$. 