Preparation of assemblies

To a solution of resorcinarene **1b** (33 mg) and calixarene **2a** (variable amount) were dissolved in CDCl₃ (0.7 ml) one drop of water was added and solution was sonicated for 10s. The chloroform layer was carefully separated from water by a pipette and was placed into an NMR tube. Solid tetramethylammonium salt was added and the sample was sonicated for 8 hrs.

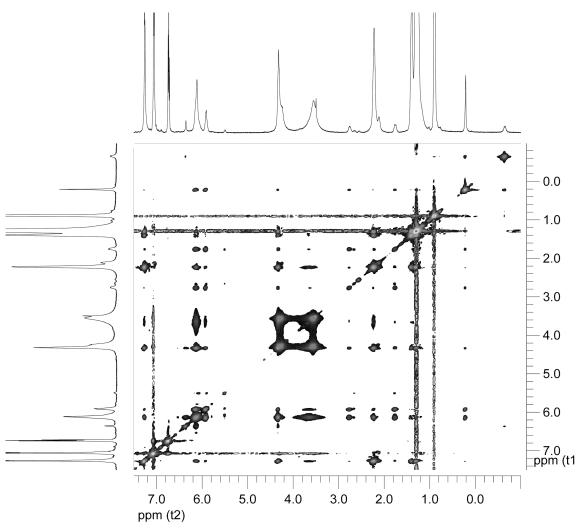


Figure S1. NOESY spectrum of $6~\mathbf{1b} + 6~\mathbf{2a} + Me_4N^+\Gamma$ ([H₂O]/[1b] = 2)

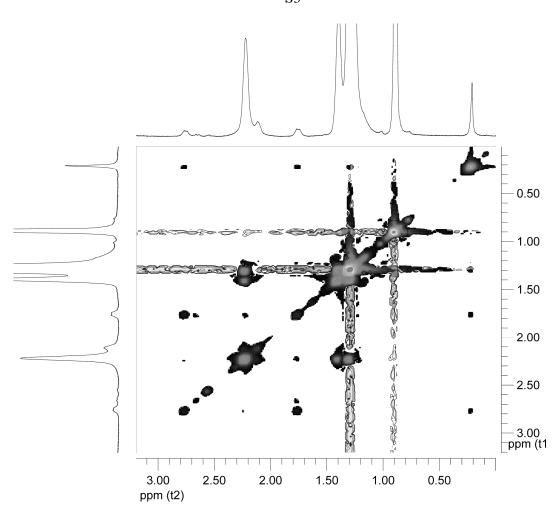


Figure S1. Up field part of NOESY spectrum of $6\,\mathbf{1b} + 6\,\mathbf{2a} + \mathrm{Me_4N^+\Gamma}$ ([H₂O]/[1b] = 2)

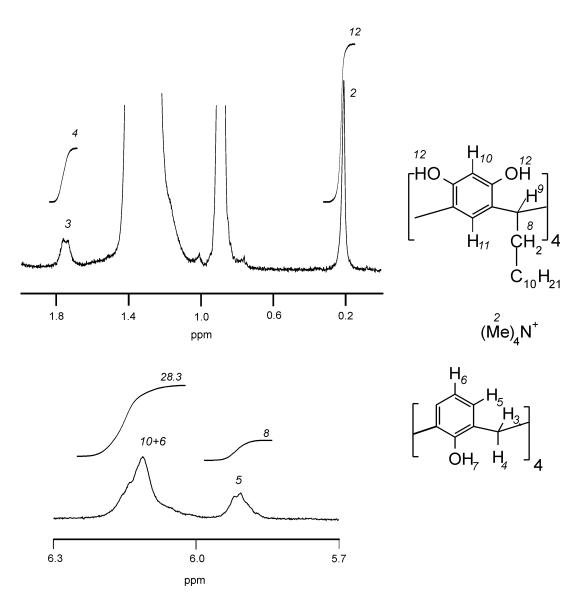


Figure S3. Integration of ¹H NMR signals for determining stoicheometry of Russian doll type complexes.