Supplemental Materials to Accompany the Communication Entitled:

First hexanuclear zirconium macrocycle in a chair-like confirmation sustained by glycolic acids

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**Figure S1**: structure of ZrOCl₂ indicating how A₁ and B₂ units can form a square. Color Code: Light Blue, Zr; Red, O.

![Figure S1](image1.png)

**Figure S2**: structure of CP-3 indicating how A⁴ and B² units can form a hexagon. Color Code: Light Blue, Zr; Red, O.

![Figure S2](image2.png)
Figure S3. MOOP’s of the Zr-Zr and Zr-O (bridging) bonds calculated for the Zr crown structure.

Figure S4: IR spectrum of CP-3
Figure S5: The PXRD patterns of two batches of CP-3 (Blue, Green) compared with a simulated XRD pattern (red).