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Supporting information for article:

Structural diversity of polynuclear Mg*x*O*y* cores in magnesium phenoxide complexes

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S1. Additional crystal structure details

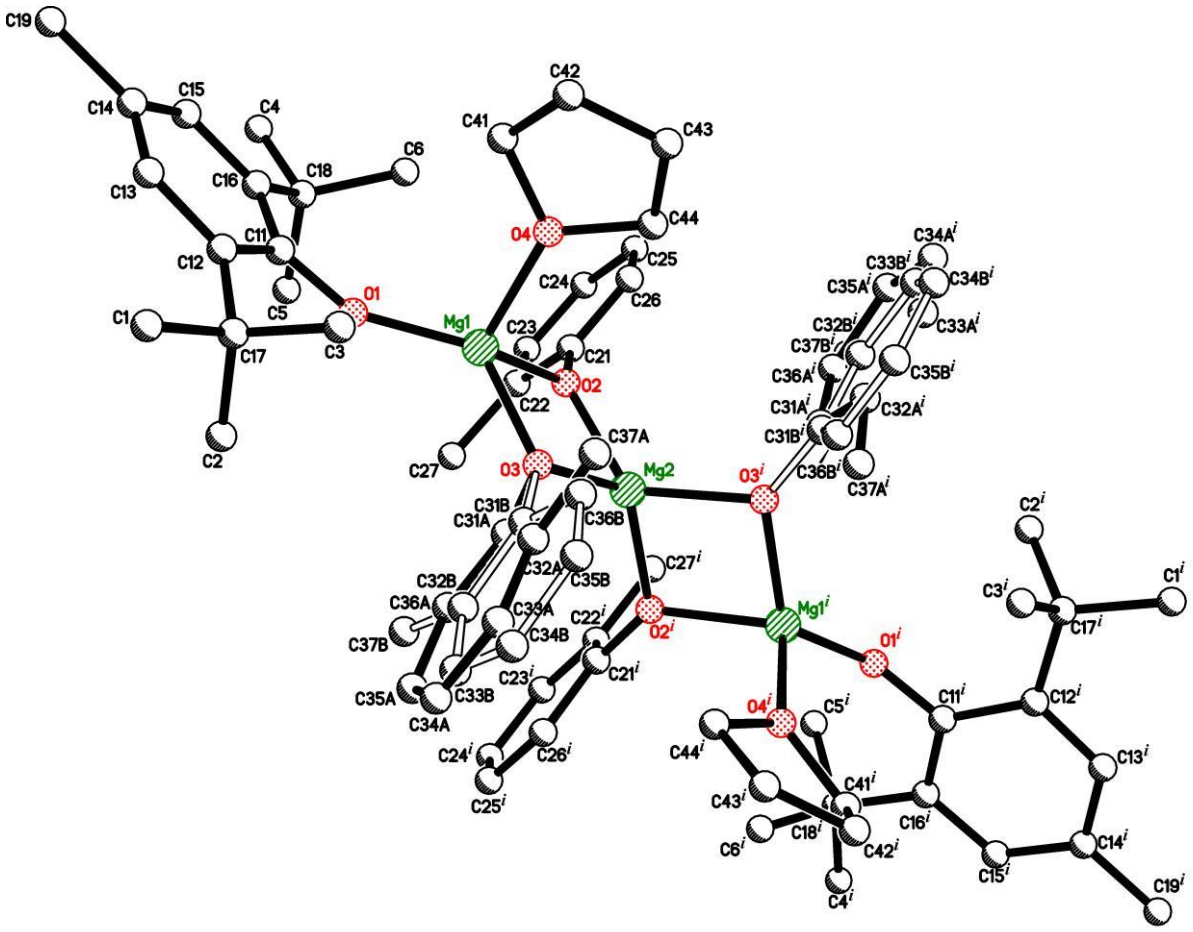

Figure S1 Disorder in (BHT)(thf)Mg(μ-OC_6H_4-2-Me)$_2$Mg(μ-OC_6H_4-2-Me)$_2$Mg(thf)(BHT), (II). The molecule is shown as a ball-and-stick model for clarity. Carbon atoms (C31-C37) in one of two crystallographically independent 2-methylphenoxide ligands are disordered over two positions: C31A-C37A and C31B-C37B. The disordered O-2-MeC_6H_4 ligands are shown with open solid lines. H-atoms are omitted. Symmetry code to generate equivalent atoms: (i) -x+1, y, -z+1/2.

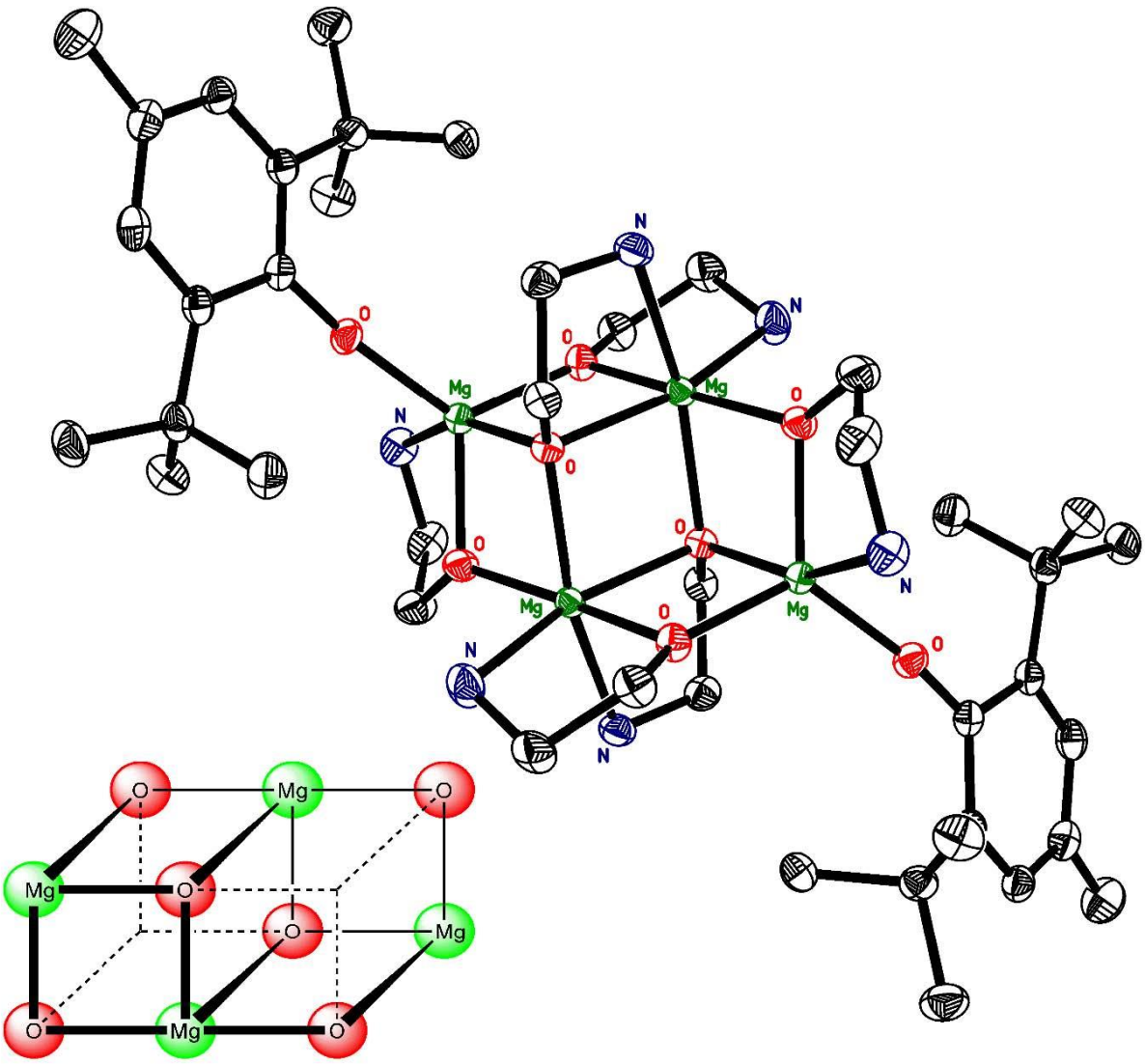

Figure S2 The structure of $Mg_4(BHT)_2(OCH_2CH_2NH_2)_6$, (III), and its idealized Mg_4O_6 core. Displacement ellipsoids are drawn at the 50% probability level. H atoms are omitted for clarity. Symmetry code to generate equivalent atoms: (i) -x+1, -y+1, -z+1.