Structural Diversity of the complexes of monovalent metal $d^{10}$ ions

with macrocyclic aggregates if iso-tellurazole N-oxides

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SUPPLEMENTARY INFORMATION
Figure S1. Superposition of the two crystallographically independent molecular structures in the crystal of \([\text{Au}_2\text{Cl}_2(1b_4)]\).

Figure S2. ORTEP displaying the superposition of three orientations of the molecular structure of the complex \([\text{Ag}_2(\mu-\text{CF}_3\text{SO}_3)_2(1b_6)]\text{Ag}_2(\text{CF}_3\text{SO}_3)_2\). Hydrogen atoms, are omitted for clarity; displacement ellipsoids calculated at 75%.)
NMR spectroscopy

**Figure S3.** $^1$H spectrum of [Cu(1b$_4$)(CF$_3$SO$_3$)] in CD$_2$Cl$_2$. Asterisks mark the resonances of Et$_2$O in trace amounts.

**Figure S4.** $^{13}$C spectrum of [Cu(1b$_4$)(CF$_3$SO$_3$)] in CD$_2$Cl$_2$. Asterisks mark the resonances of Et$_2$O in trace amounts.
Figure S5. $^1$H spectrum of [Au$_2$Cl$_2$(1b$_4$)] in CD$_2$Cl$_2$. The asterisk marks a resonance of residual Et$_2$O.

Figure S6. $^1$H spectrum of [[Ag$_2$(μ-CF$_3$SO$_3$)$_2$(1b$_6$)]Ag$_2$(CF$_3$SO$_3$)$_2$] in CD$_3$CN. The asterisk marks a resonance of crystallization CH$_2$Cl$_2$. 
Figure S7. $^{13}$C spectrum of $\{[\text{Ag}_2(\mu-\text{CF}_3\text{SO}_3)_2(1b)]\text{Ag}_2(\text{CF}_3\text{SO}_3)_2}\}$ in CD$_3$CN. The asterisk marks a resonance of crystallization CH$_2$Cl$_2$.

Figure S8. $^1$H spectrum of $\{[\text{Ag}_2(\mu-\text{CF}_3\text{SO}_3)_2(1c)]\text{Ag}_2(\text{CF}_3\text{SO}_3)_2}\}$ in CD$_2$Cl$_2$. 
Figure S9. $^{13}$C spectrum of \{[Ag$_2$(μ-CF$_3$SO$_3$)$_2$(1c$_0$)]Ag$_2$(CF$_3$SO$_3$)$_2$\} in CD$_2$Cl$_2$. 