Supporting Information: Effects of Halogen Substitution on the Properties of Eight- and Nine-Vertex \textit{closo}-Boranes

\textit{Clémence Corminboeuf},*\textsuperscript{a,b} Matthew D. Wodrich,\textsuperscript{a} R. Bruce King,\textsuperscript{a} \\
a\textit{and} Paul von Ragué Schleyer*\textsuperscript{a}

\textsuperscript{a}Department of Chemistry, Center for Computational Chemistry, University of Georgia, Athens, Georgia, USA 30602.

\textsuperscript{b}Laboratory for Computational Molecular Design, Ecole Polytechnique Fédérale de Lausanne (EPFL), 1015 Lausanne, Switzerland.

To whom correspondence should be addressed. E-mail: \texttt{clemence.corminboeuf@epfl.ch}, \texttt{schleyer@chem.uga.edu}

Dedicated to Kenneth Wade on the occasion of his 75\textsuperscript{th} birthday.

\textbf{Figure S1.} Structures of the B\textsubscript{8}Cl\textsubscript{8}\textsuperscript{2-} species: C\textsubscript{2v} (left) and D\textsubscript{2d} (right).
Figure S2. Structures of the $\text{D}_{3h} \text{B}_9\text{Cl}_9^{2-}$ (left) and $\text{D}_{3h} \text{B}_9\text{Cl}_9$ (right).