Supporting Information for: “Understanding the many-body expansion for large systems. III. Critical role of four-body terms, counterpoise corrections, and cutoffs”

Kuan-Yu Liu and John M. Herbert
Department of Chemistry and Biochemistry, The Ohio State University, Columbus, Ohio 43210 USA
(Dated: July 28, 2017)

TABLE S1: Comparison of $\delta E^{CP}$ and MBCP(2) for (H$_2$O)$_N$ clusters, $N = 6$–37.

<table>
<thead>
<tr>
<th>$N$</th>
<th>CP correction (Hartree)</th>
<th>$\delta E^{CP}$</th>
<th>MBCP(2) (kcal/mol/monomer)</th>
<th>difference</th>
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<td>0.005</td>
<td>0.005</td>
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* herbert@chemistry.ohio-state.edu
TABLE S2: Interaction energies (in kcal/mol) arising from sub-clusters separated by 8–9Å, for the four structural motifs in (H₂O)₂₀ clusters.

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