

Supplementary Information for:

Structures and Properties of $\text{CoB}_{19}^{+/0/-}$ Clusters

Qi Liang Lu,^{*,†} Qi Quan Luo[‡]

[†] School of Physics and Material Science, Anhui University, Hefei 230601, China

[‡]Hefei National Laboratory for Physical Sciences at the Microscale, University of Science and Technology of China, Hefei 230026, Anhui, P. R. China

* E-mail qllufd@vip.sina.com

Figure S1. Low-lying isomers and relative energies of CoB_{19}^{+} clusters. For the first ten isomers, the first line is the relative energies at the level of CCSD(T)/Co/Stuttgart/B/cc-pVTZ level.

Figure S2. Low-lying isomers and relative energies of CoB_{19} clusters. For the first ten isomers, the first line is the relative energies at the level of CCSD(T)/Co/Stuttgart/B/cc-pVTZ level.

Figure S3. Low-lying isomers and relative energies of CoB_{19}^{-} clusters. For the first ten isomers, the first line is the relative energies at the level of CCSD(T)/Co/Stuttgart/B/cc-pVTZ level.





