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**On The Mechanism of the Rh(II) Catalysed Cyclopropanation of Alkenes**

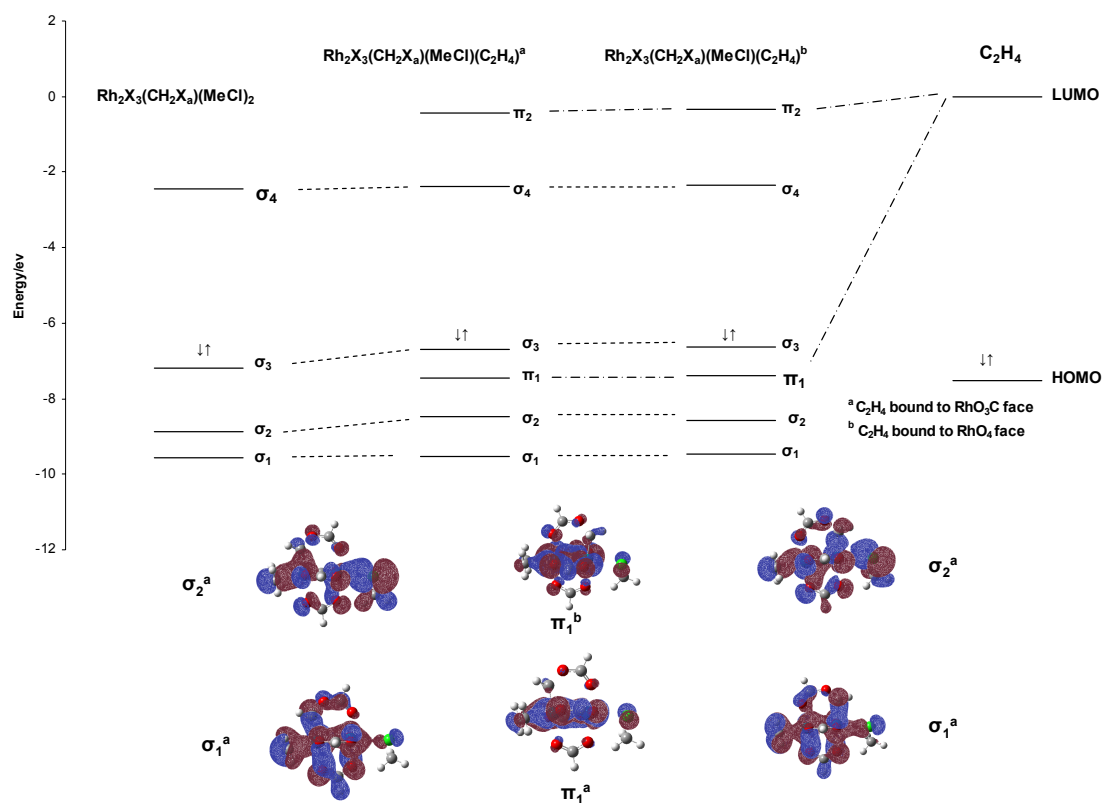
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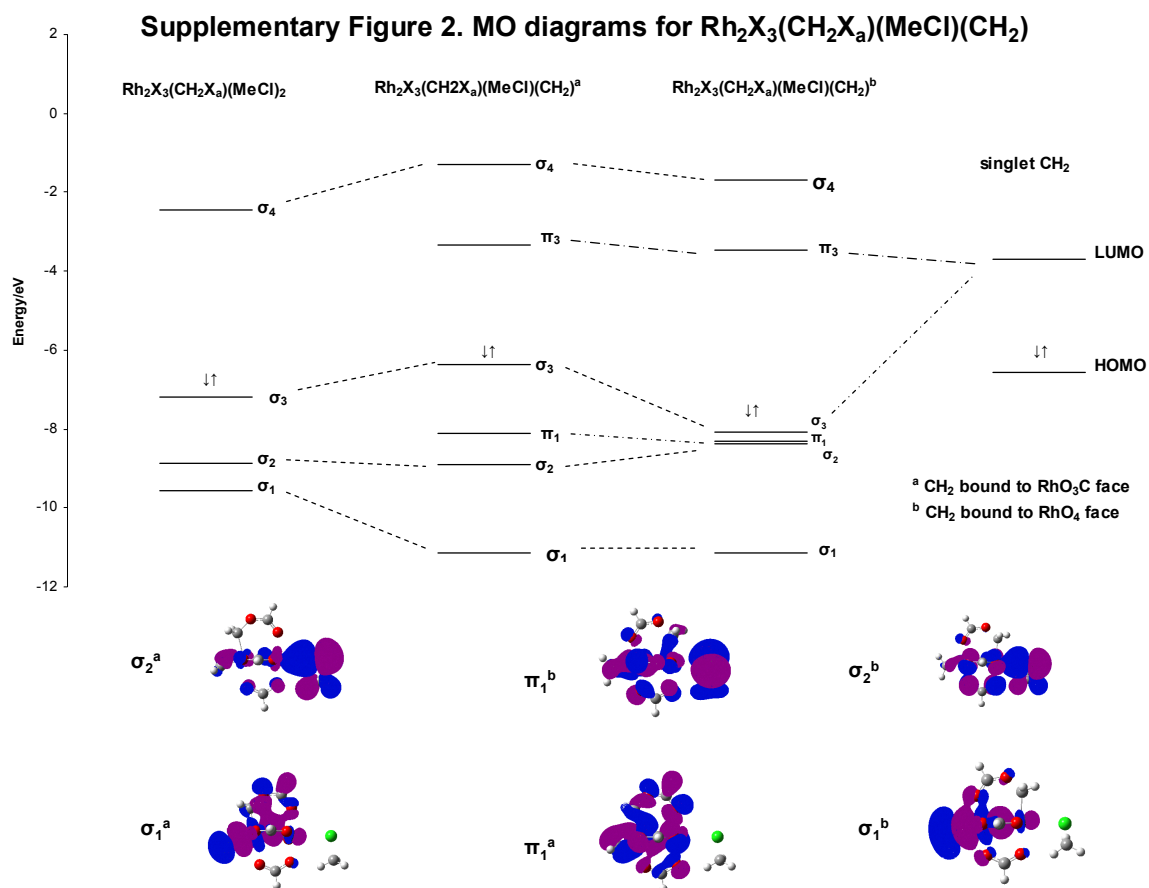
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Staffordshire ST5 5BG, United Kingdom Fax: 44 (0)1782 712378; Tel: 44 (0)1782 583041;  
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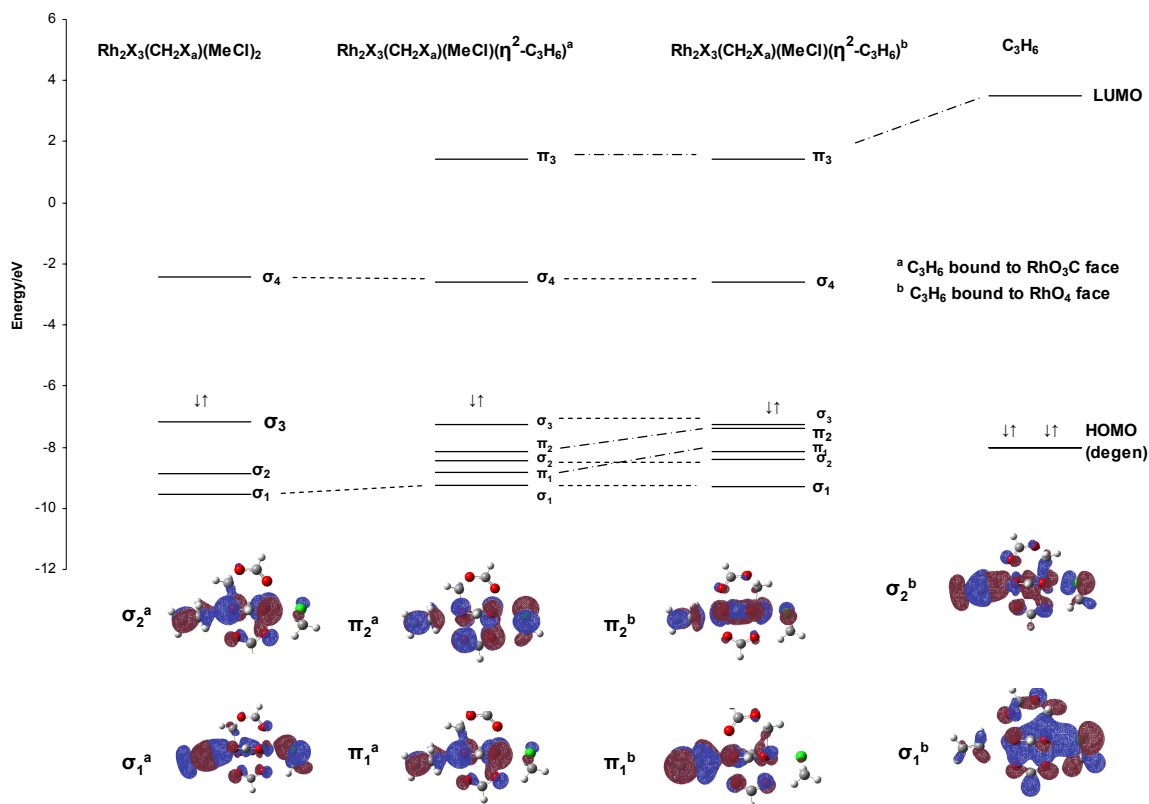
**ELECTRONIC SUPPLEMENTARY INFORMATION**

Supplementary Figure 1. MO Diagrams for  $\text{Rh}_2\text{X}_3(\text{CH}_2\text{X}_a)(\text{MeCl})(\text{C}_2\text{H}_4)$

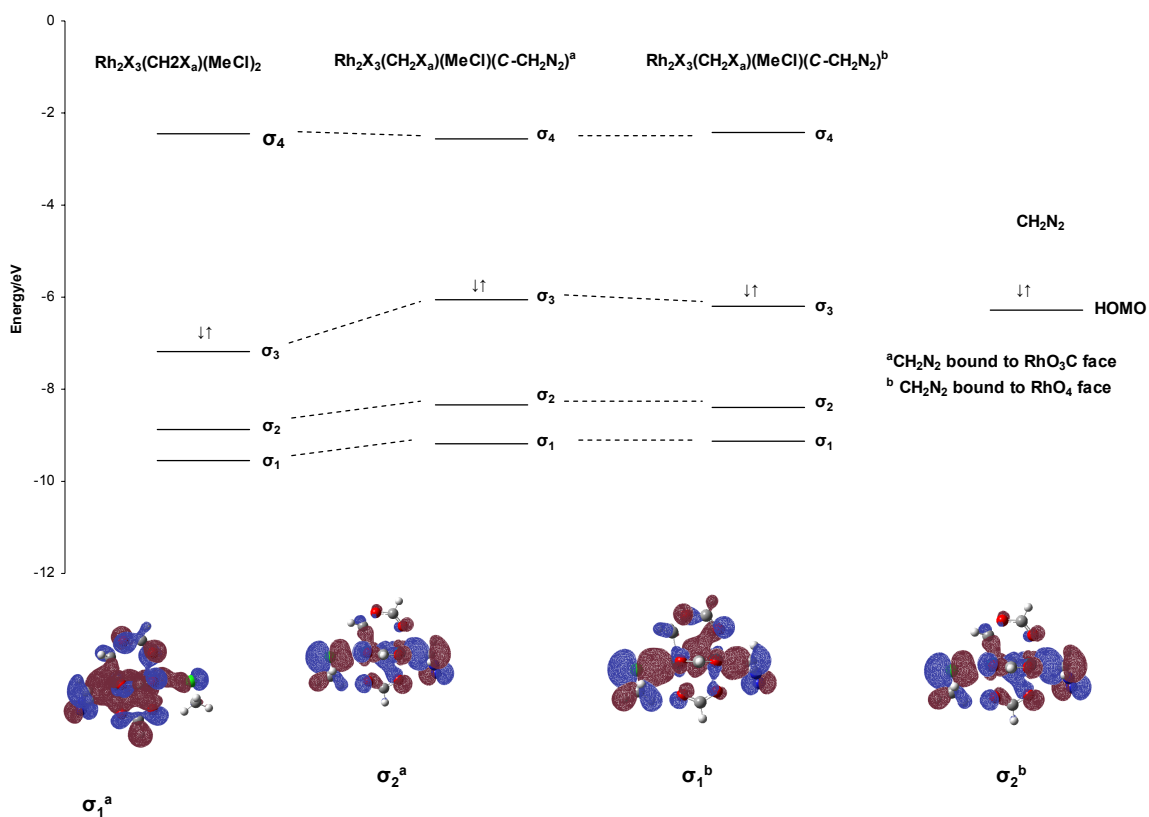




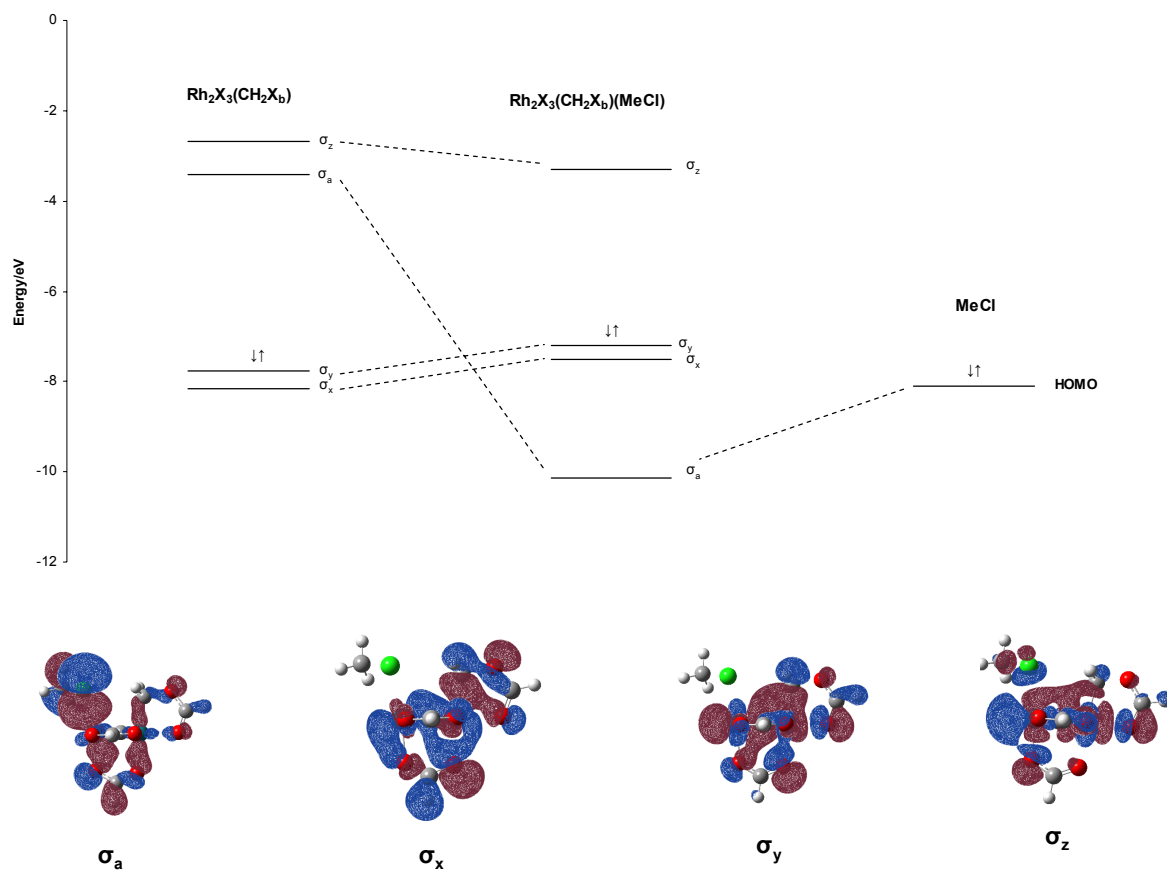
**Supplementary Figure 3. MO Diagrams for  $\text{Rh}_2\text{X}_3(\text{CH}_2\text{X}_a)(\text{MeCl})(\eta^2\text{-C}_3\text{H}_6)$**



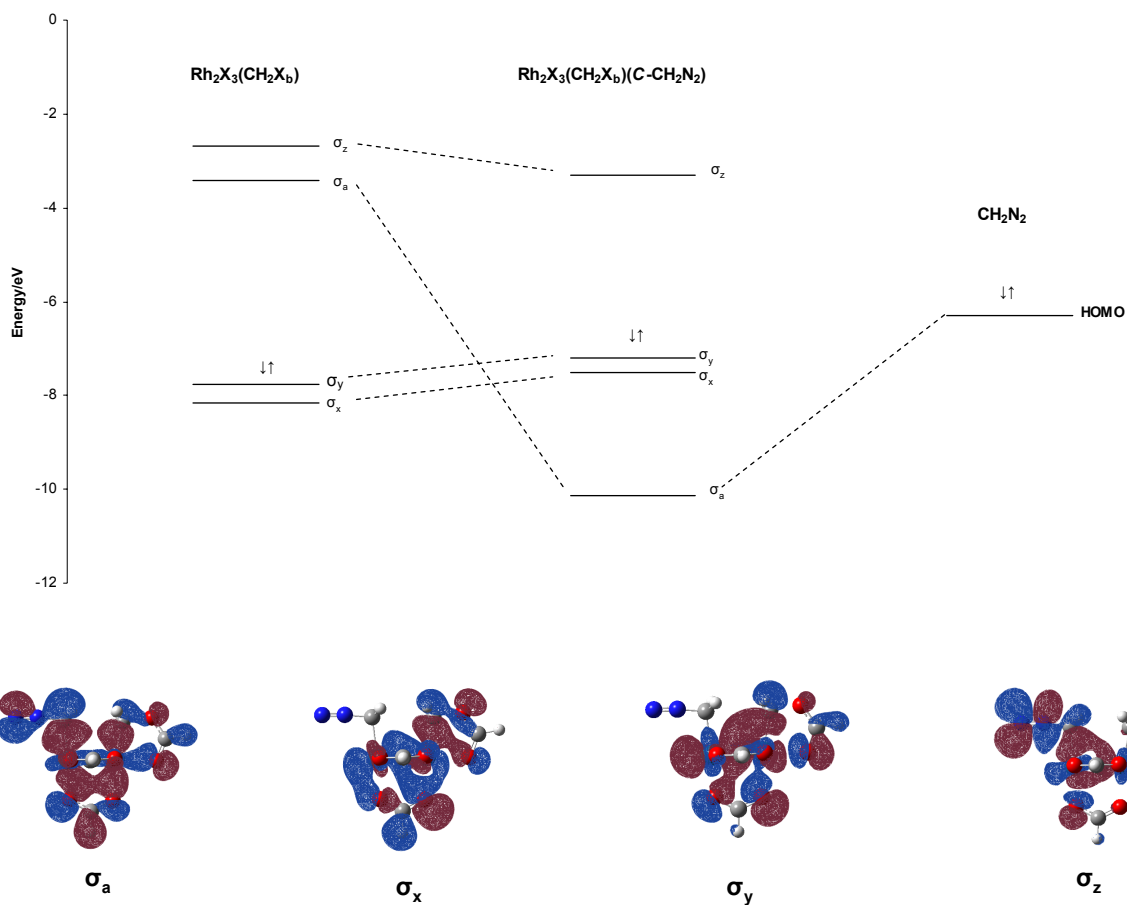
Supplementary Figure 4. MO Diagrams for  $\text{Rh}_2\text{X}_3(\text{CH}_2\text{X}_a)(\text{MeCl})(\text{C}-\text{CH}_2\text{N}_2)$



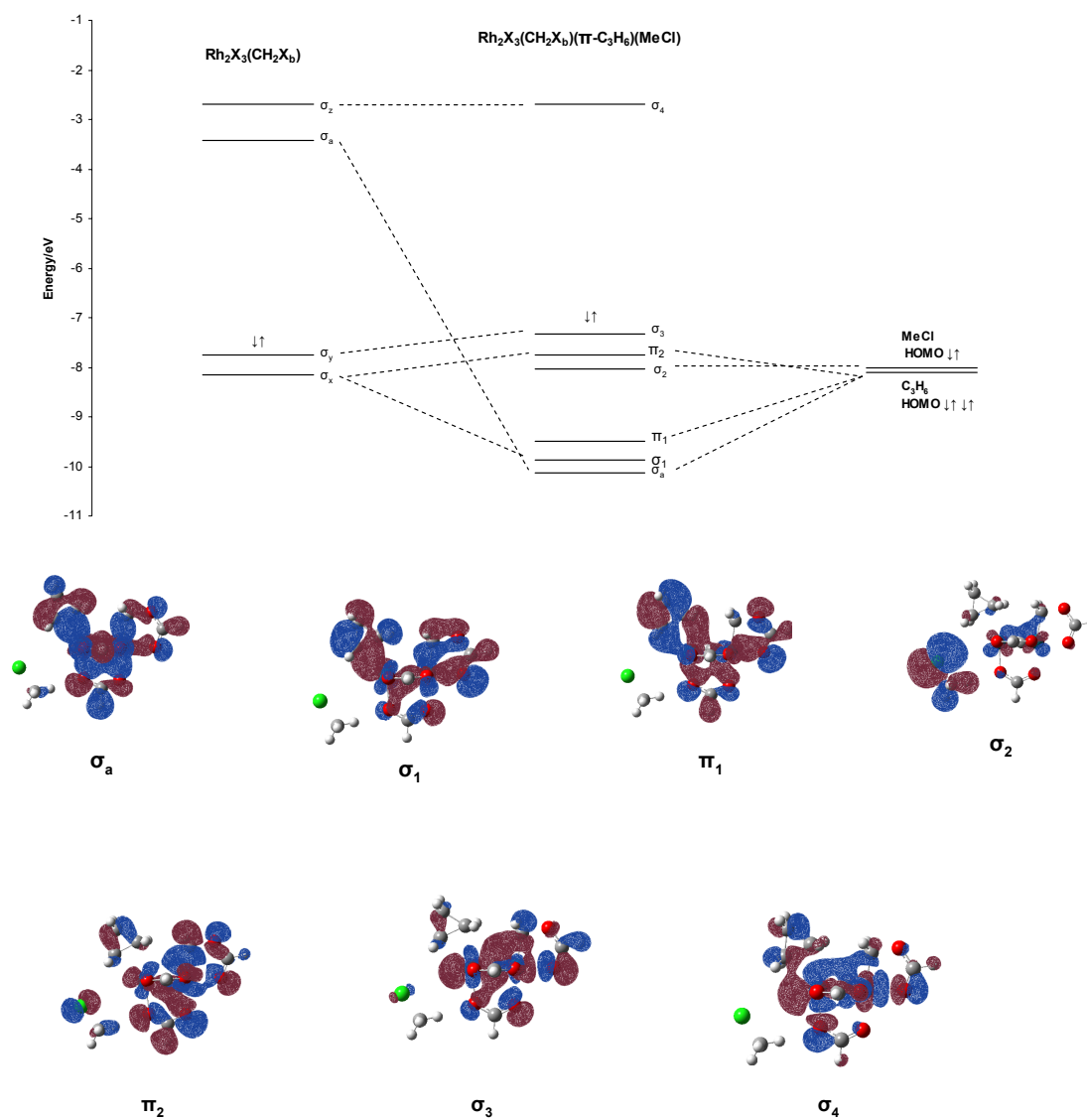
**Supplementary Figure 5. MO Diagram for  $\text{Rh}_2\text{X}_3(\text{CH}_2\text{X}_b)(\text{MeCl})$**



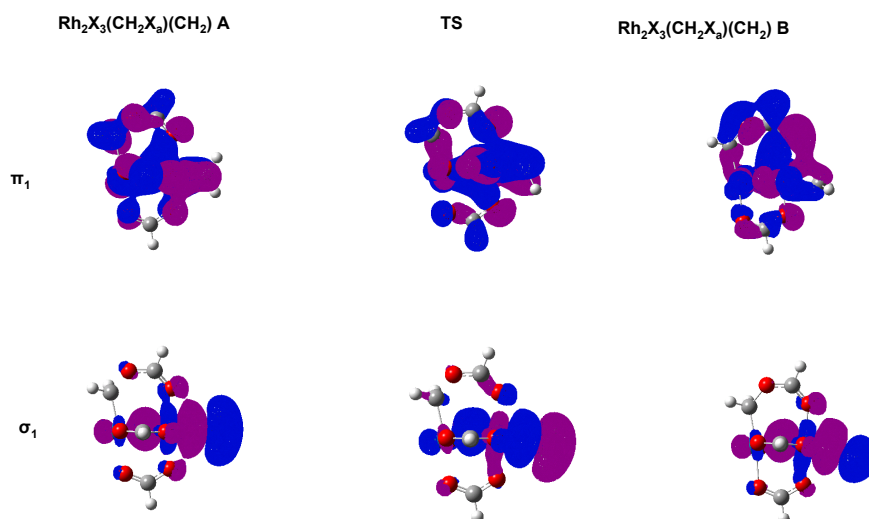
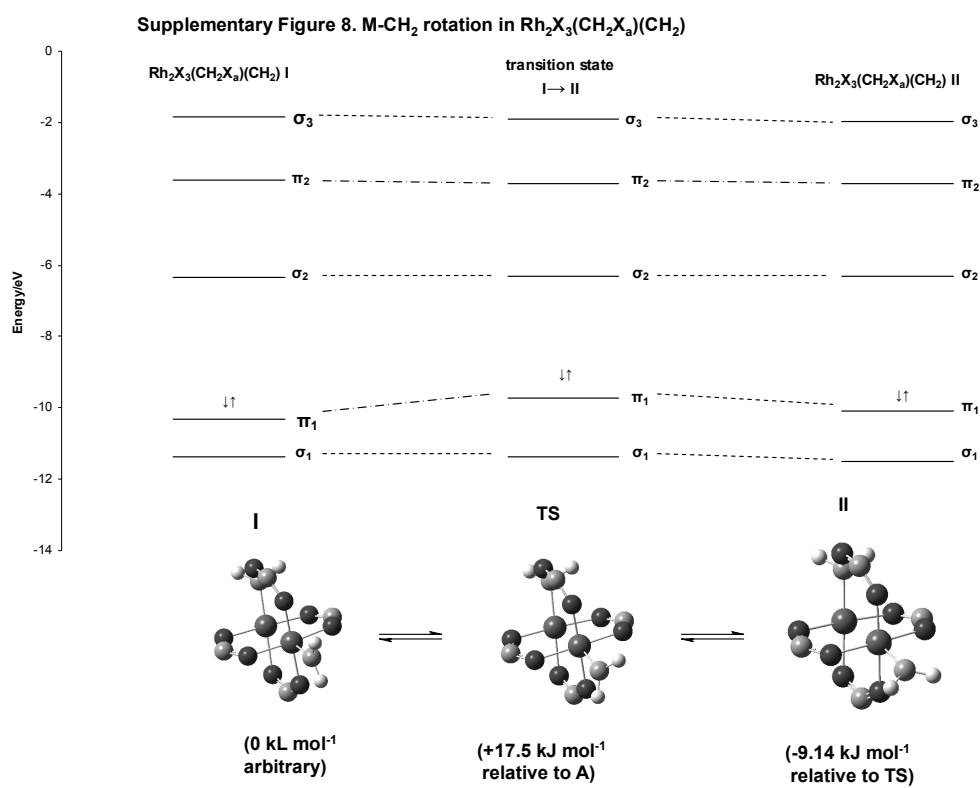
**Supplementary Figure 6. MO Diagram for  $\text{Rh}_2\text{X}_3(\text{CH}_2\text{X}_b)(\text{C}-\text{CH}_2\text{N}_2)$**



**Supplementary Figure 7. MO Diagram for  $\text{Rh}_2\text{X}_3(\text{CH}_2\text{X}_b)(\pi\text{-C}_3\text{H}_6)(\text{MeCl})$**







**Supplementary Figure 9. MO Diagrams of Ground State and Rotational Transition State for  $\text{Rh}_2\text{X}_3(\text{CH}_2\text{X}_b)(\text{CH}_2)$**

