

Supplementary Information  
for  
**Successive Short- and Long-Range Magnetic Ordering in  
 $\text{Ba}_2\text{Mn}_3(\text{SeO}_3)_6$  with Honeycomb Layers of  $\text{Mn}^{3+}$  ions  
Alternating with Triangular Layers of  $\text{Mn}^{2+}$  ions**

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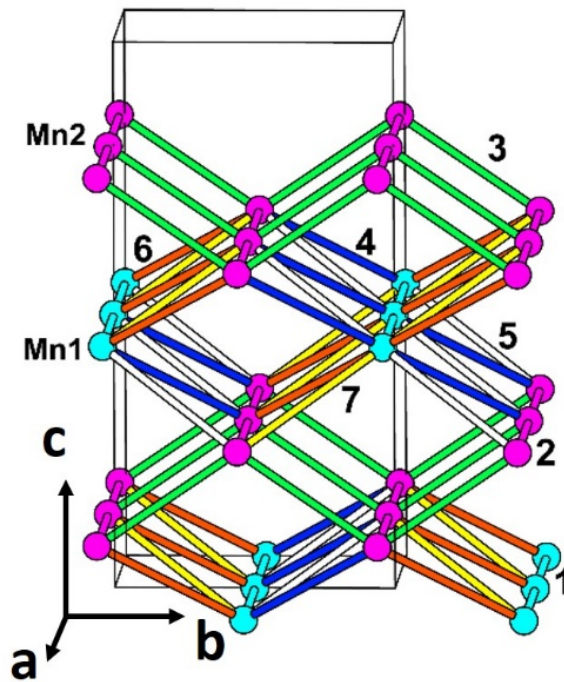
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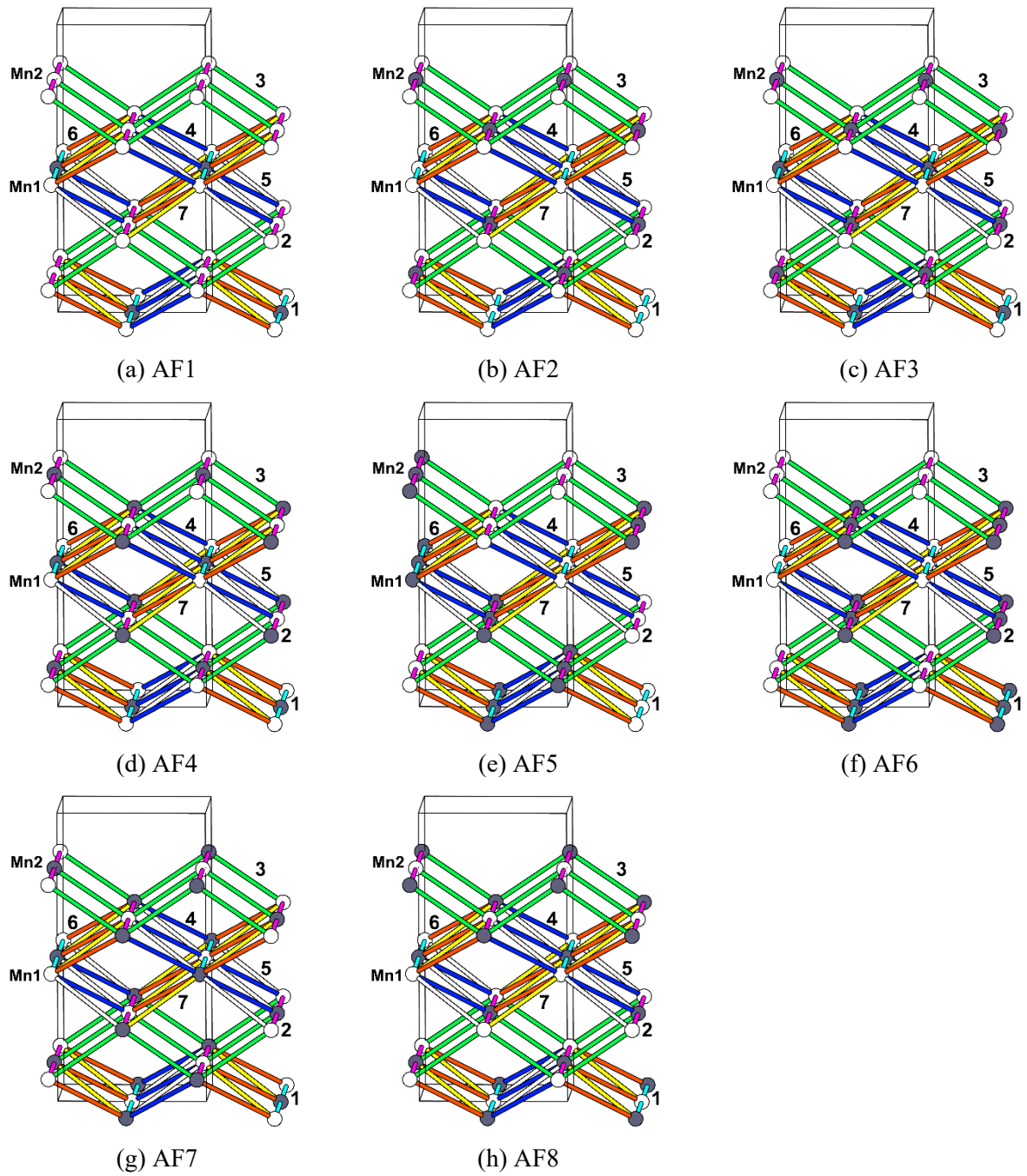
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**Figure S1.** Spin exchange paths in  $\text{Ba}_2\text{Mn}_3\text{O}(\text{SeO}_3)_6$ . Each exchange path is represented by a colored cylinder. The blue and violet circles indicate  $\text{Mn}^{2+}$  and  $\text{Mn}^{3+}$  ions, respectively. The numbers 1 – 7 in black represent the spin exchange paths  $J_1 - J_7$ , respectively.



**Figure S2.** Ordered spin states of AF(i) ( $i = 1$  to 8) state. The shaded and open circles indicate the up and down spin sites, respectively.