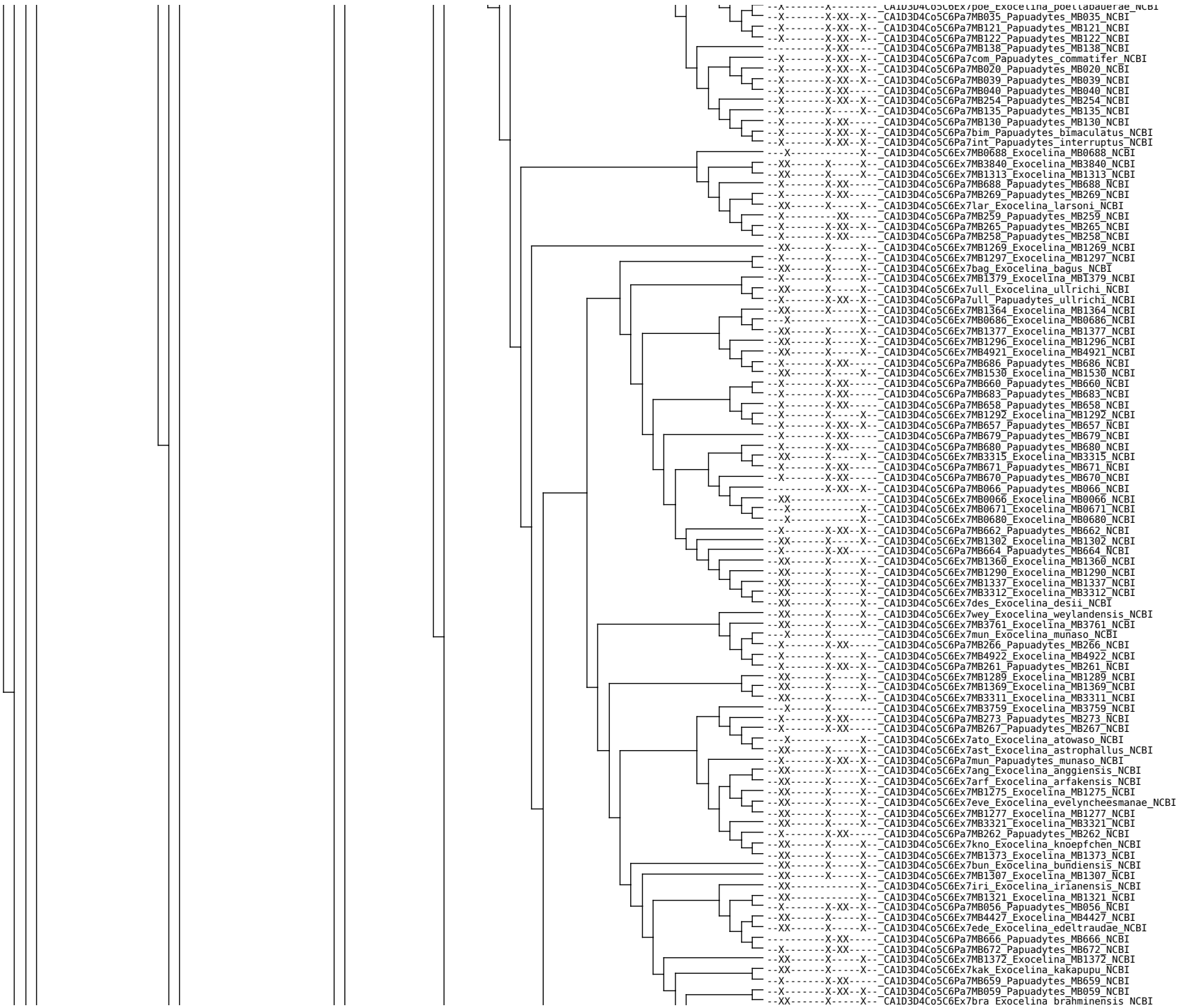


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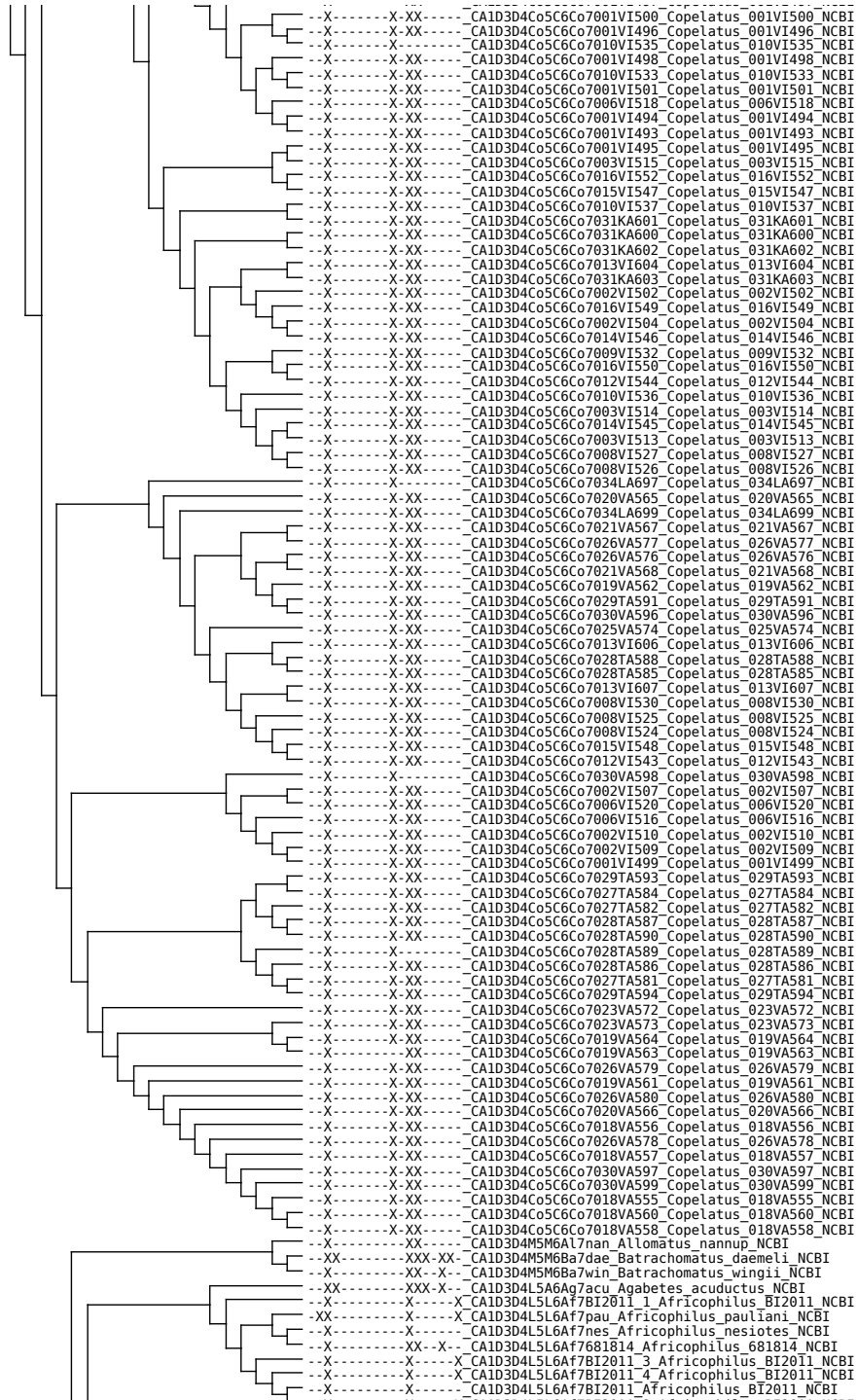


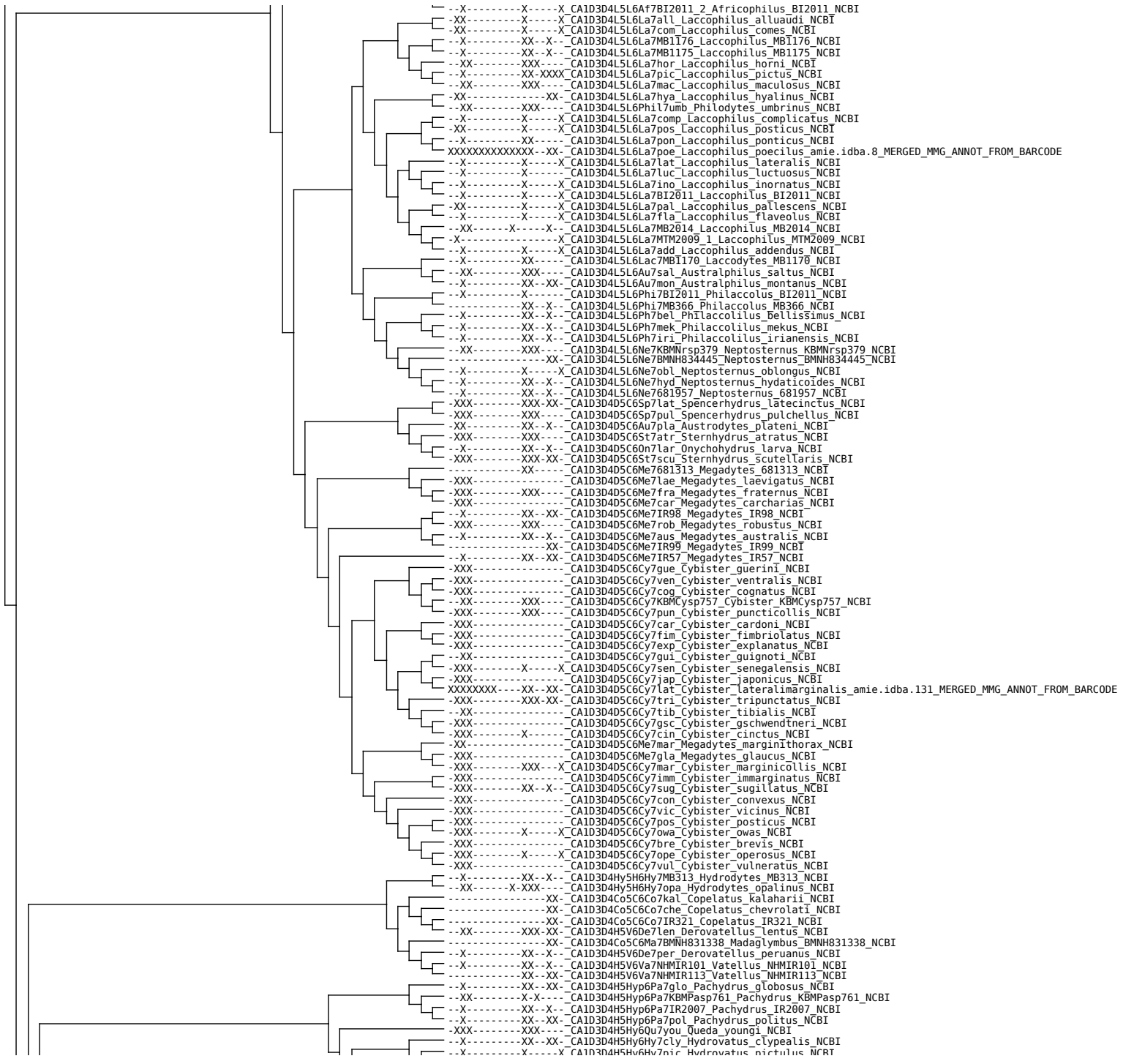


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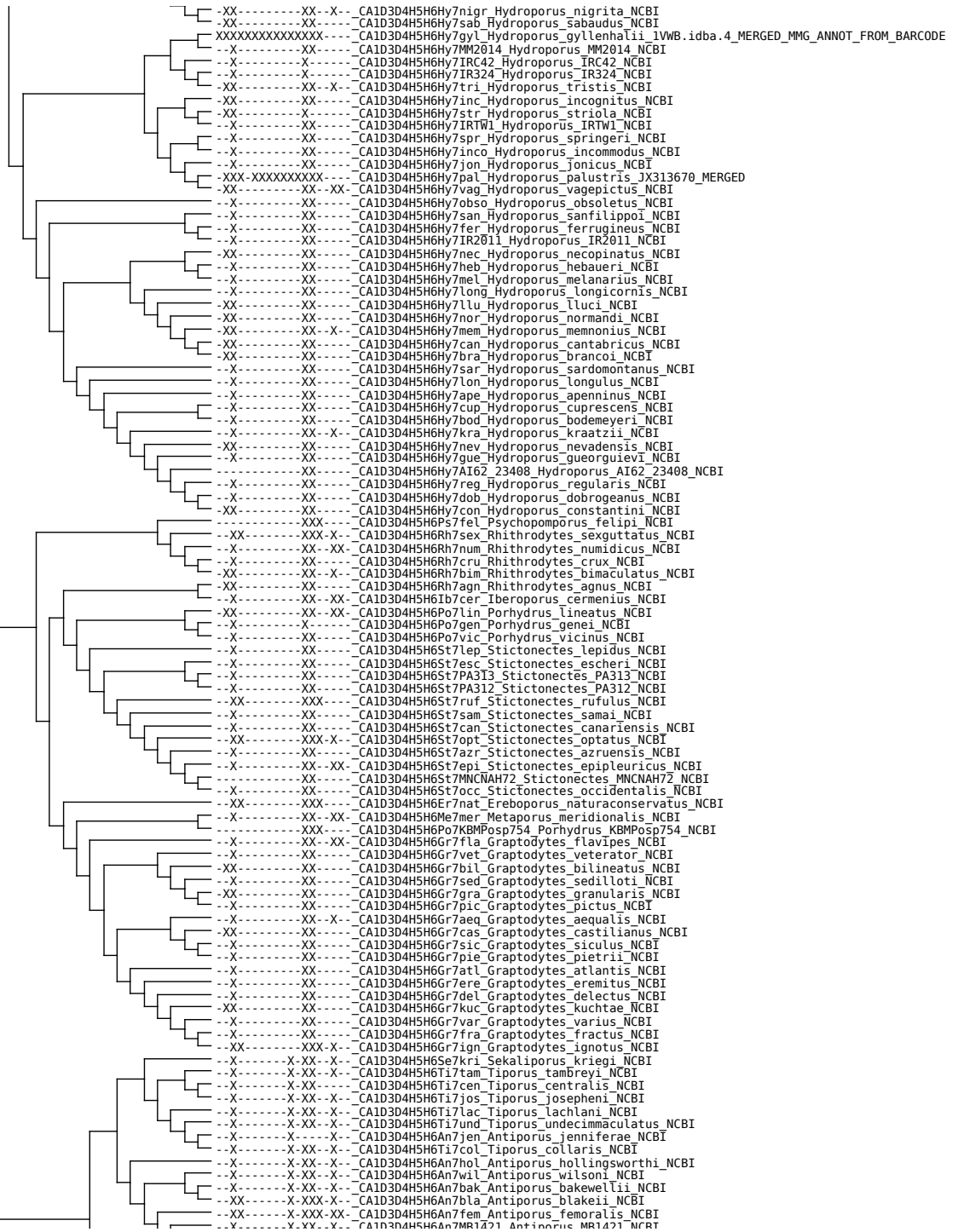


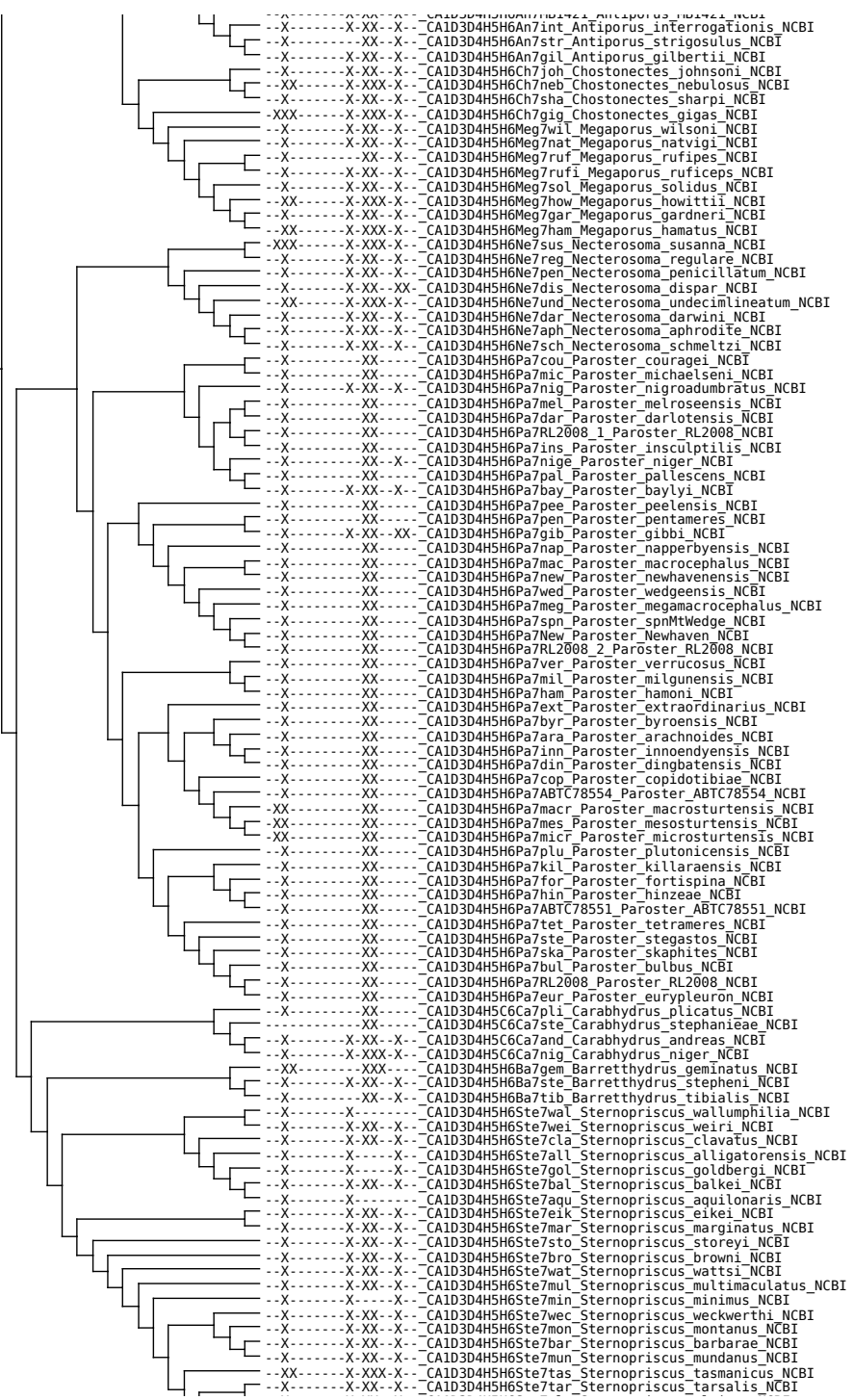


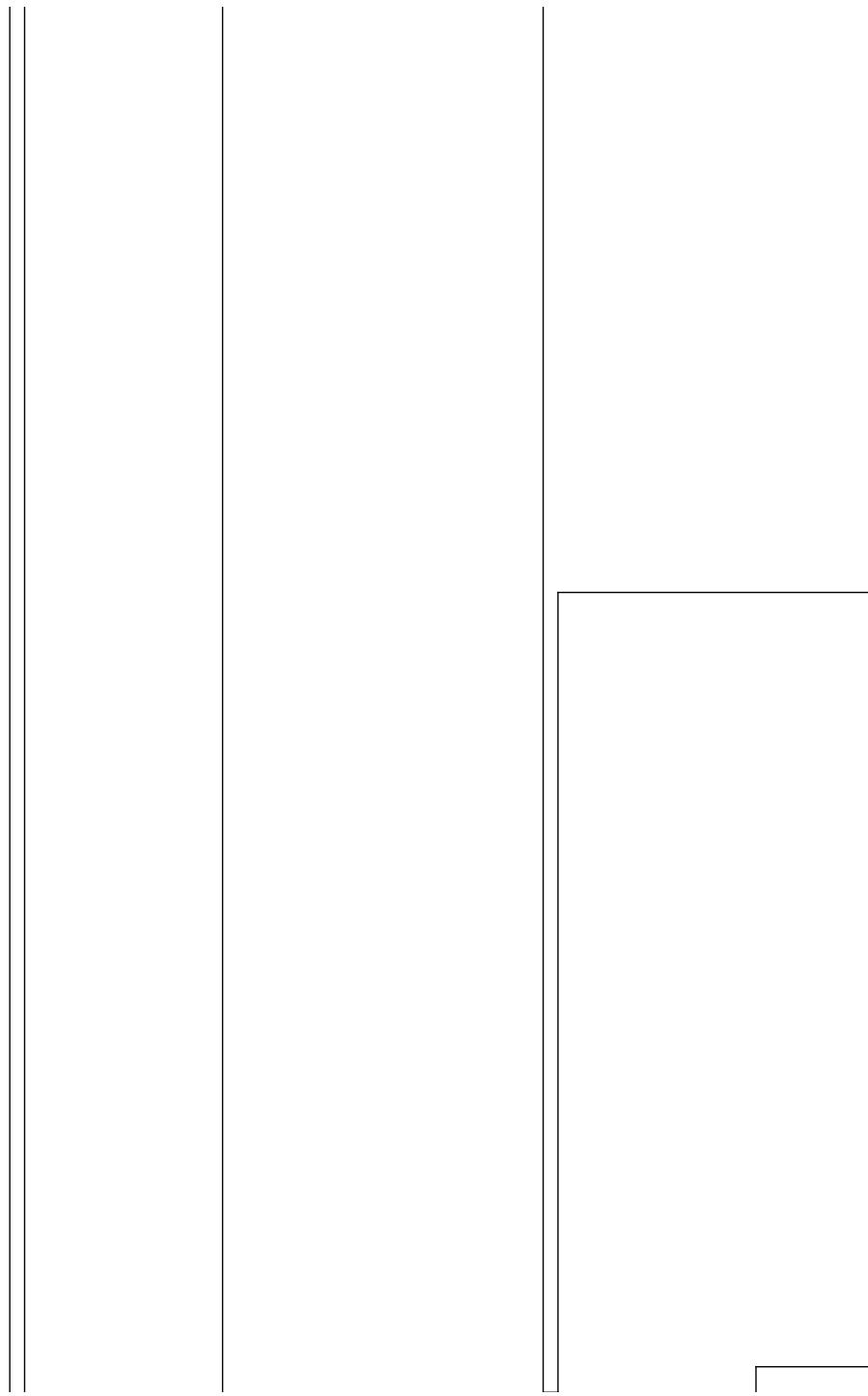
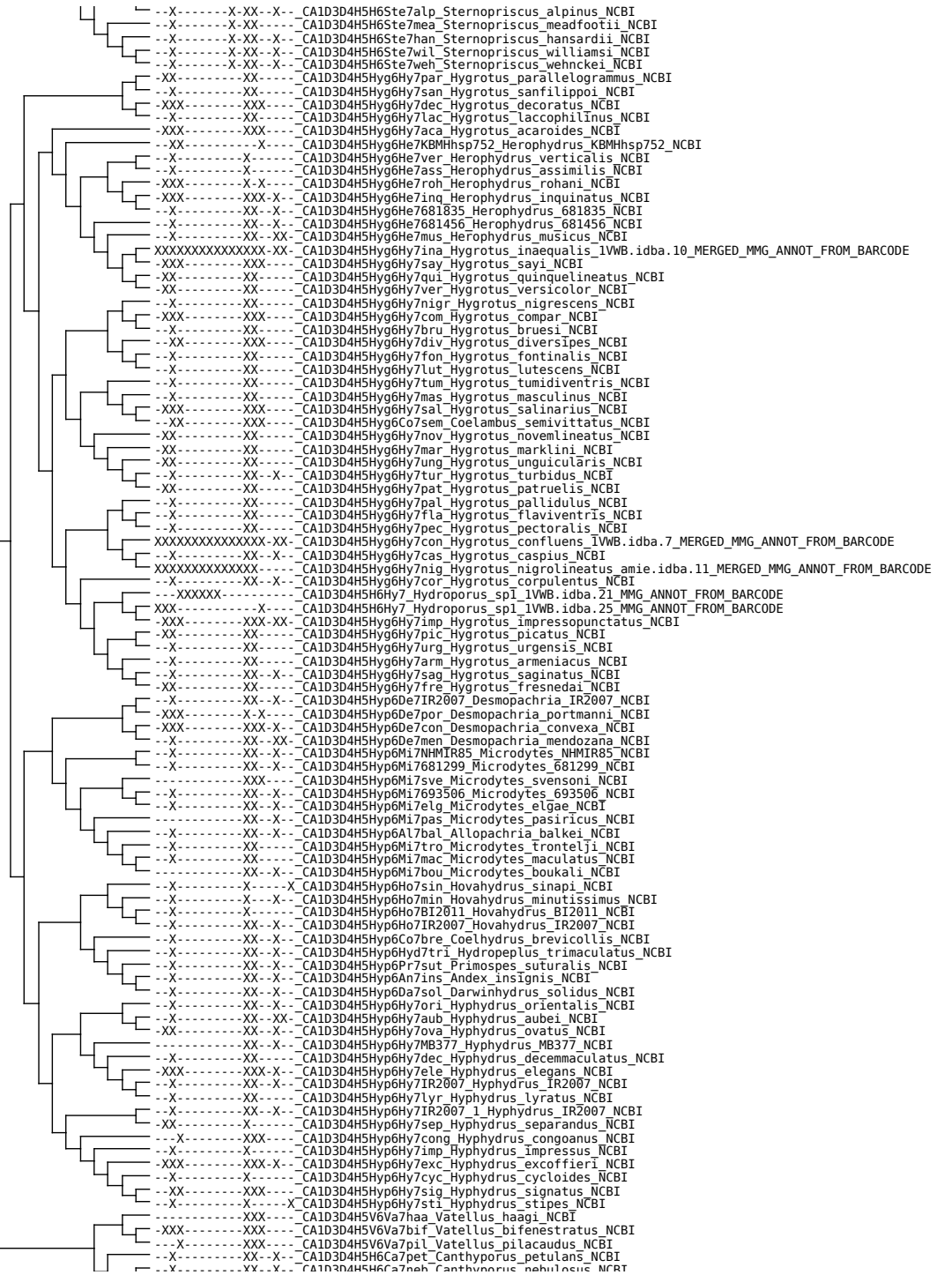




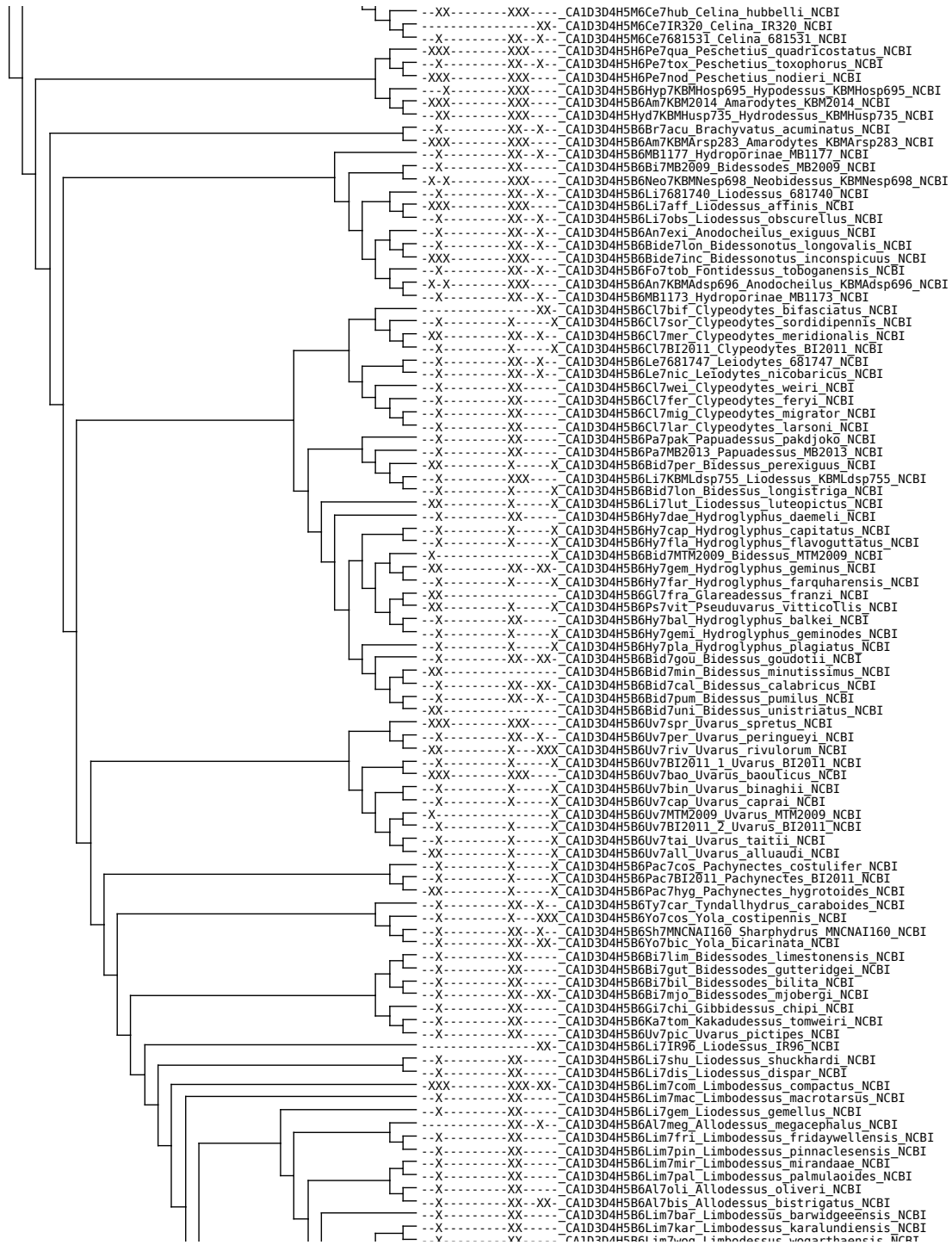
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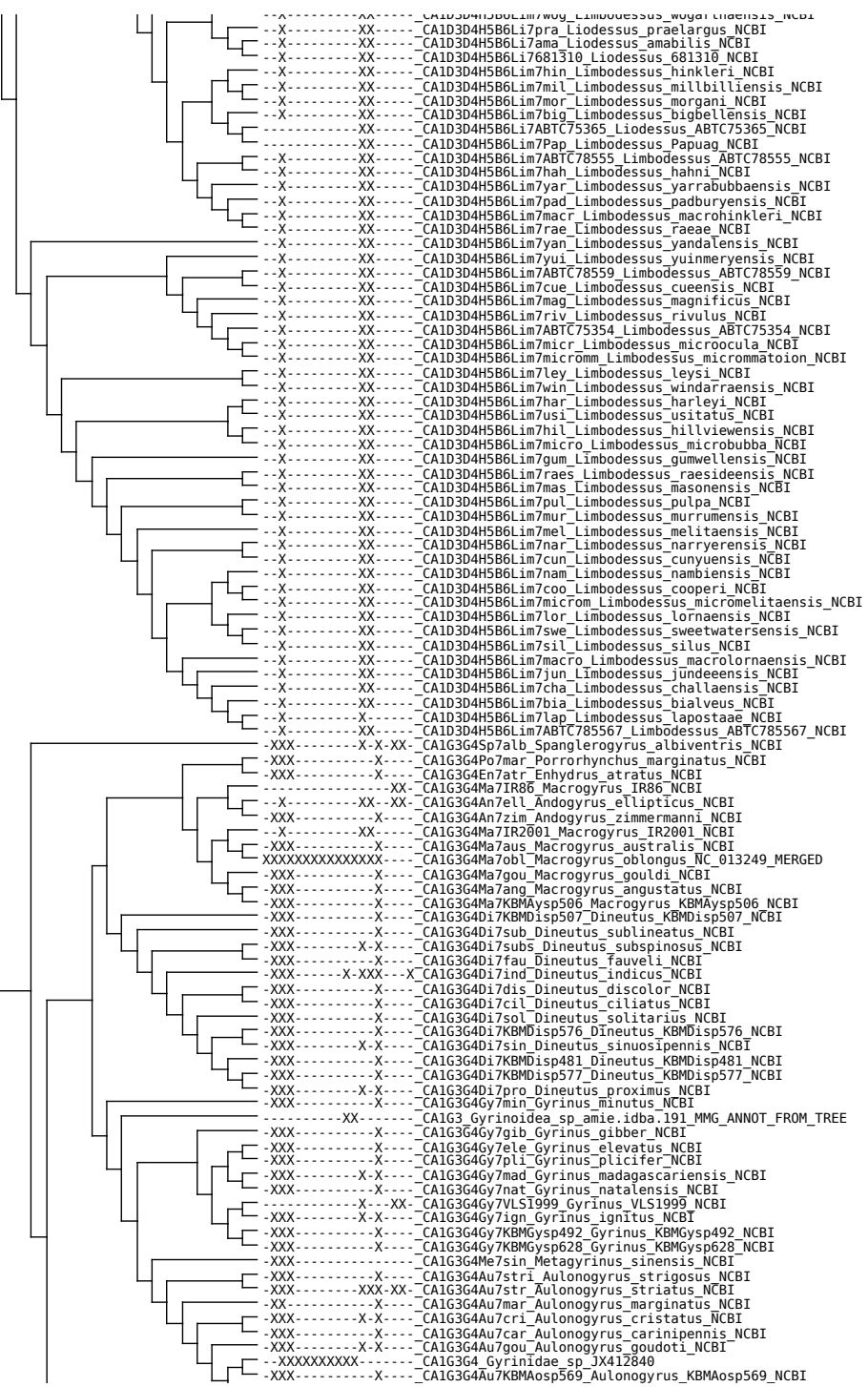


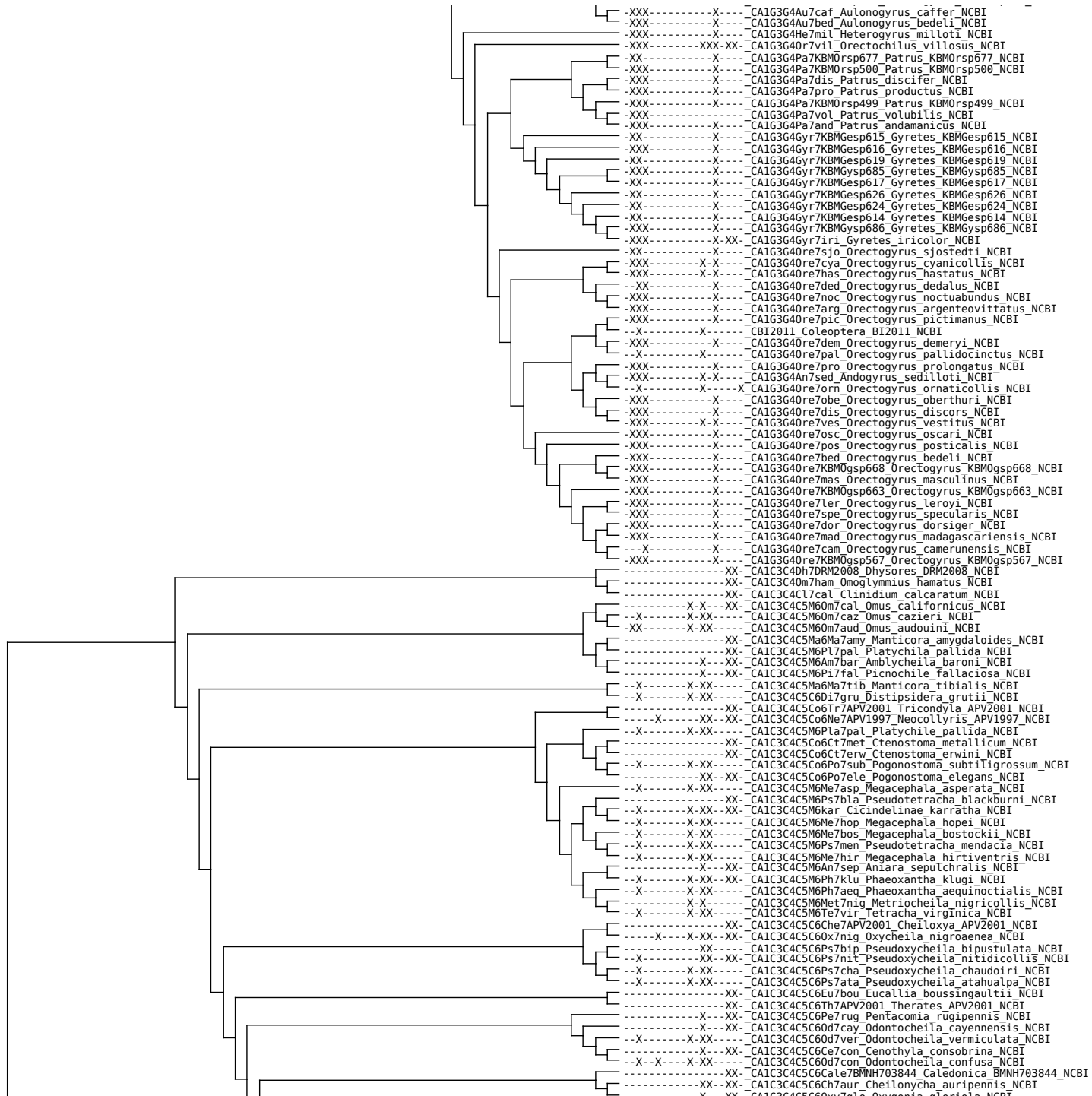


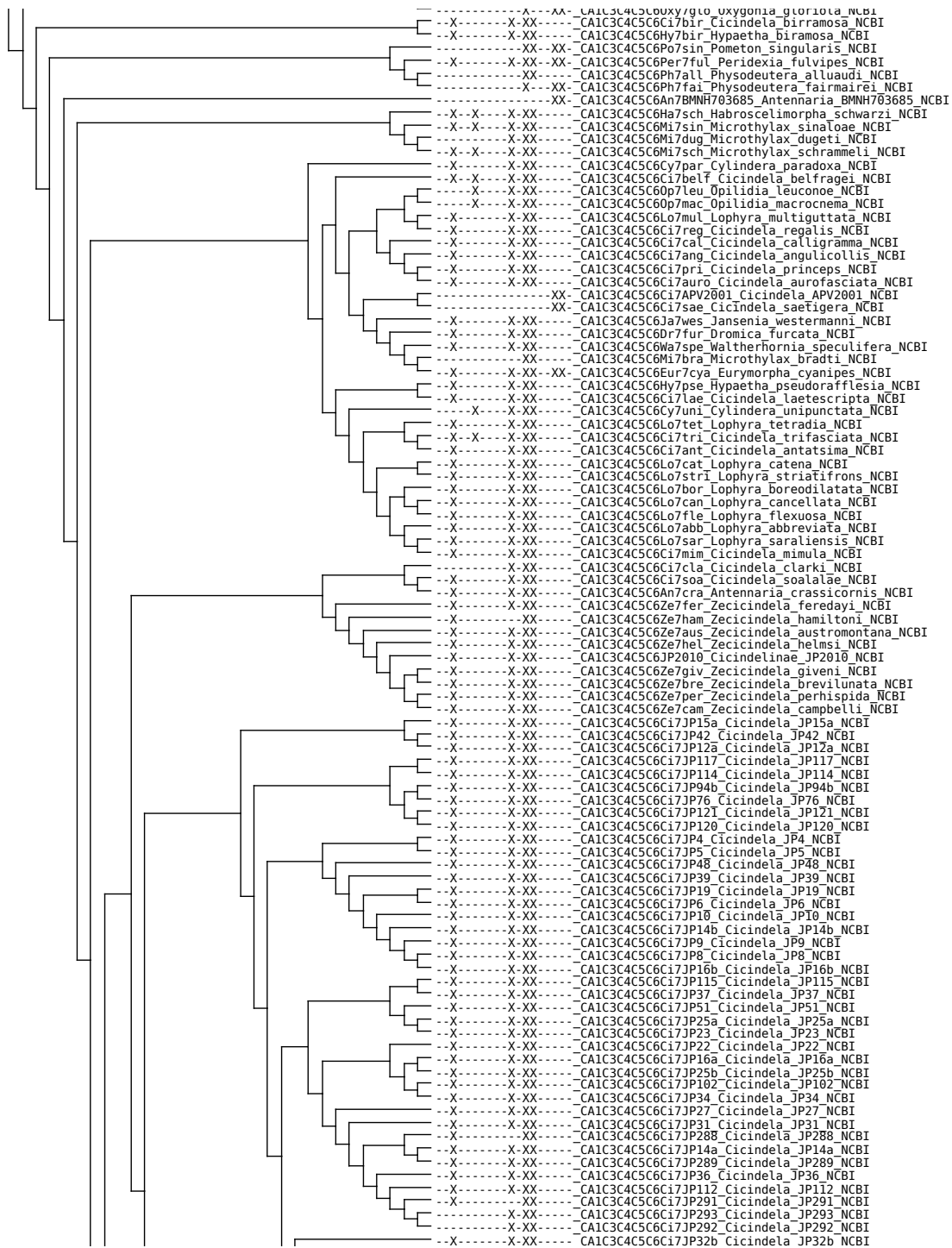
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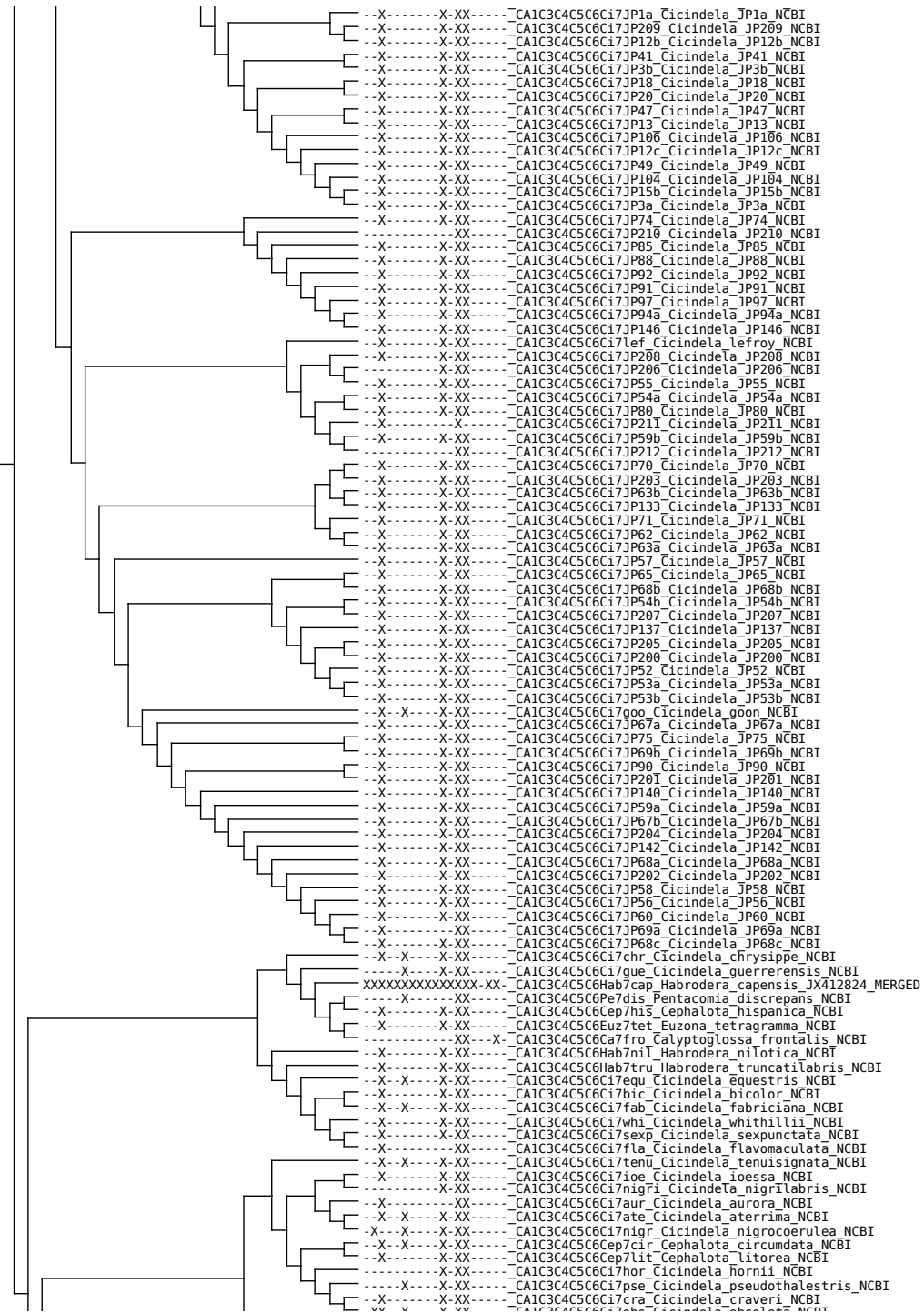








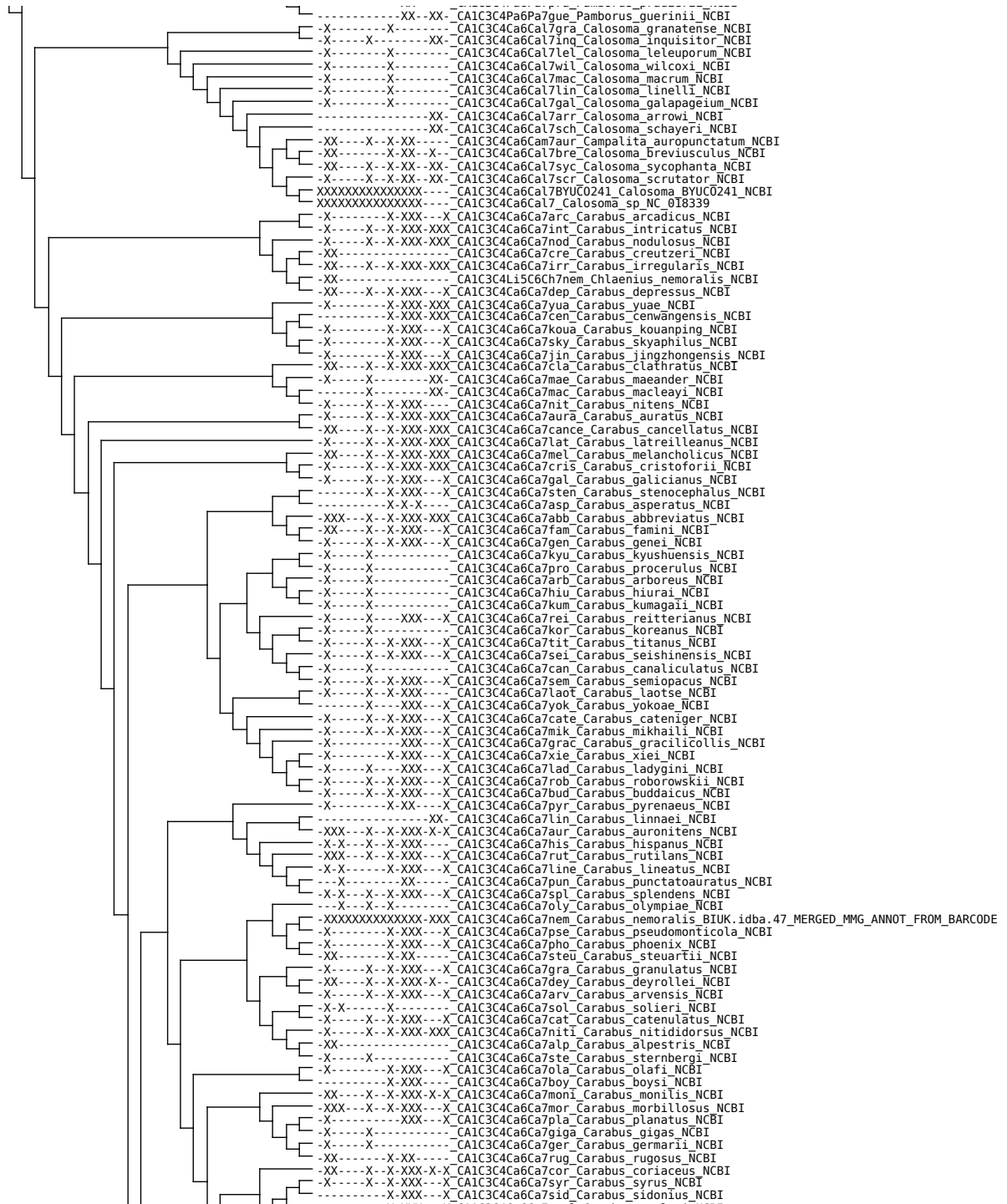






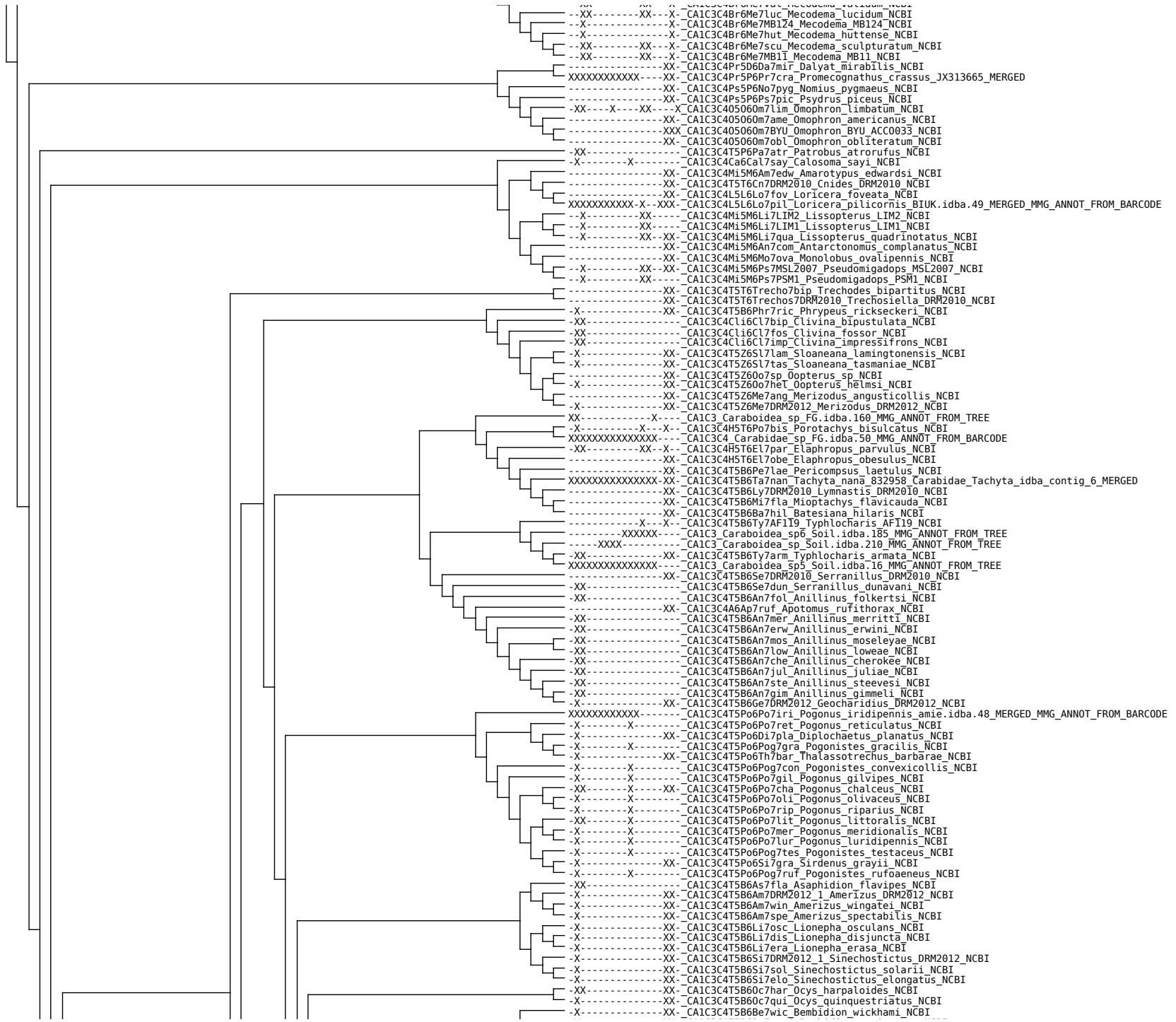
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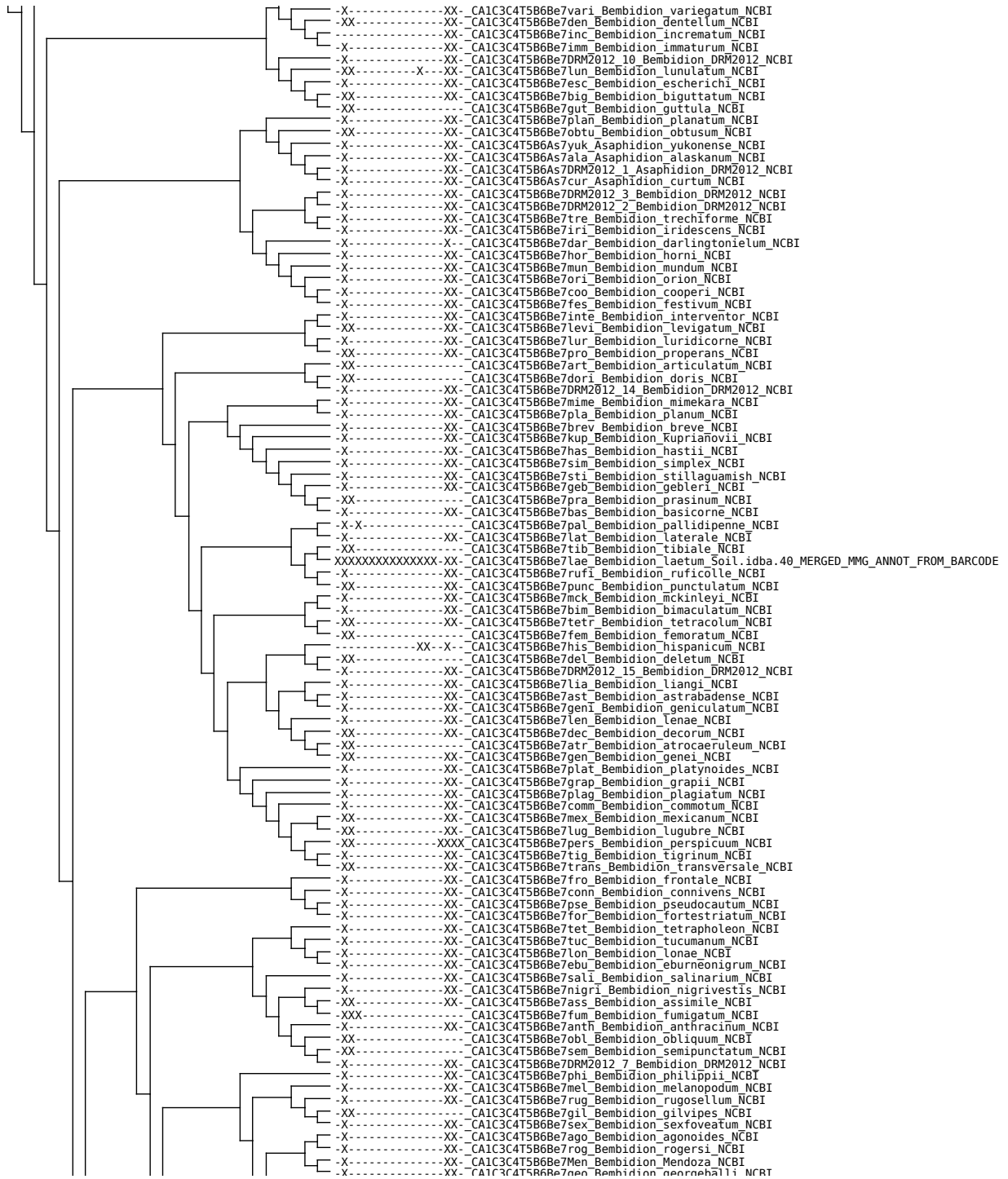






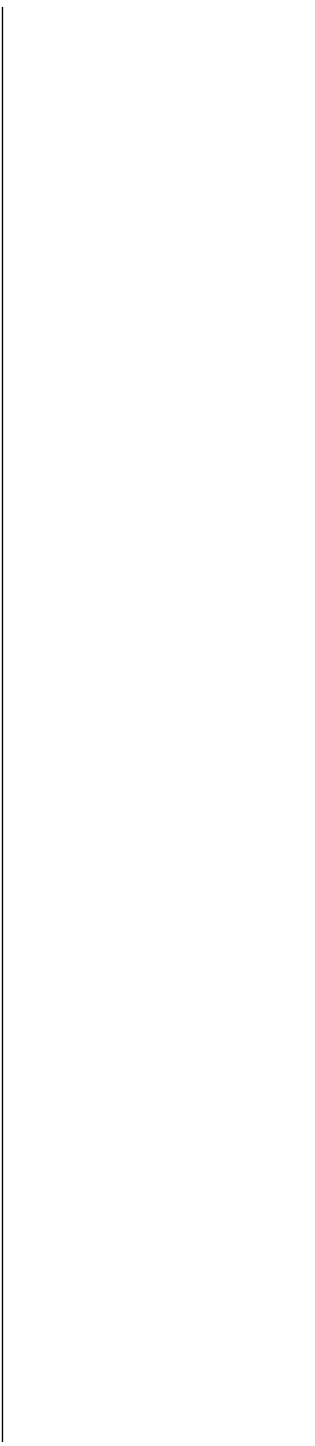
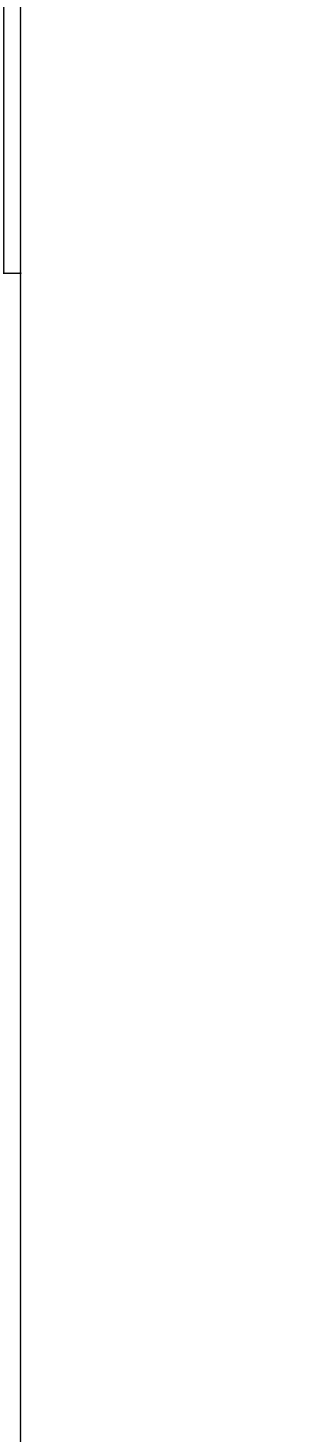
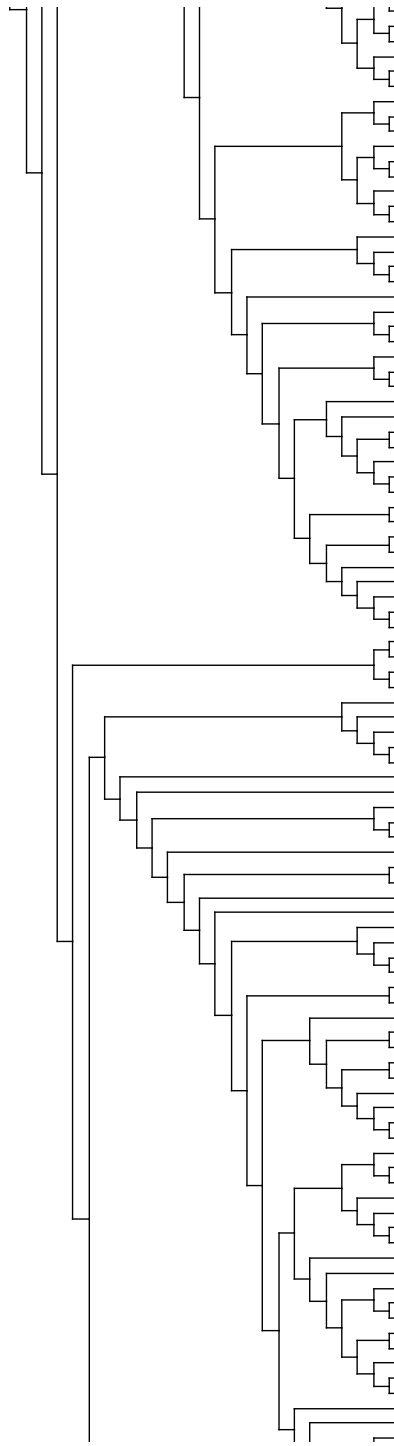


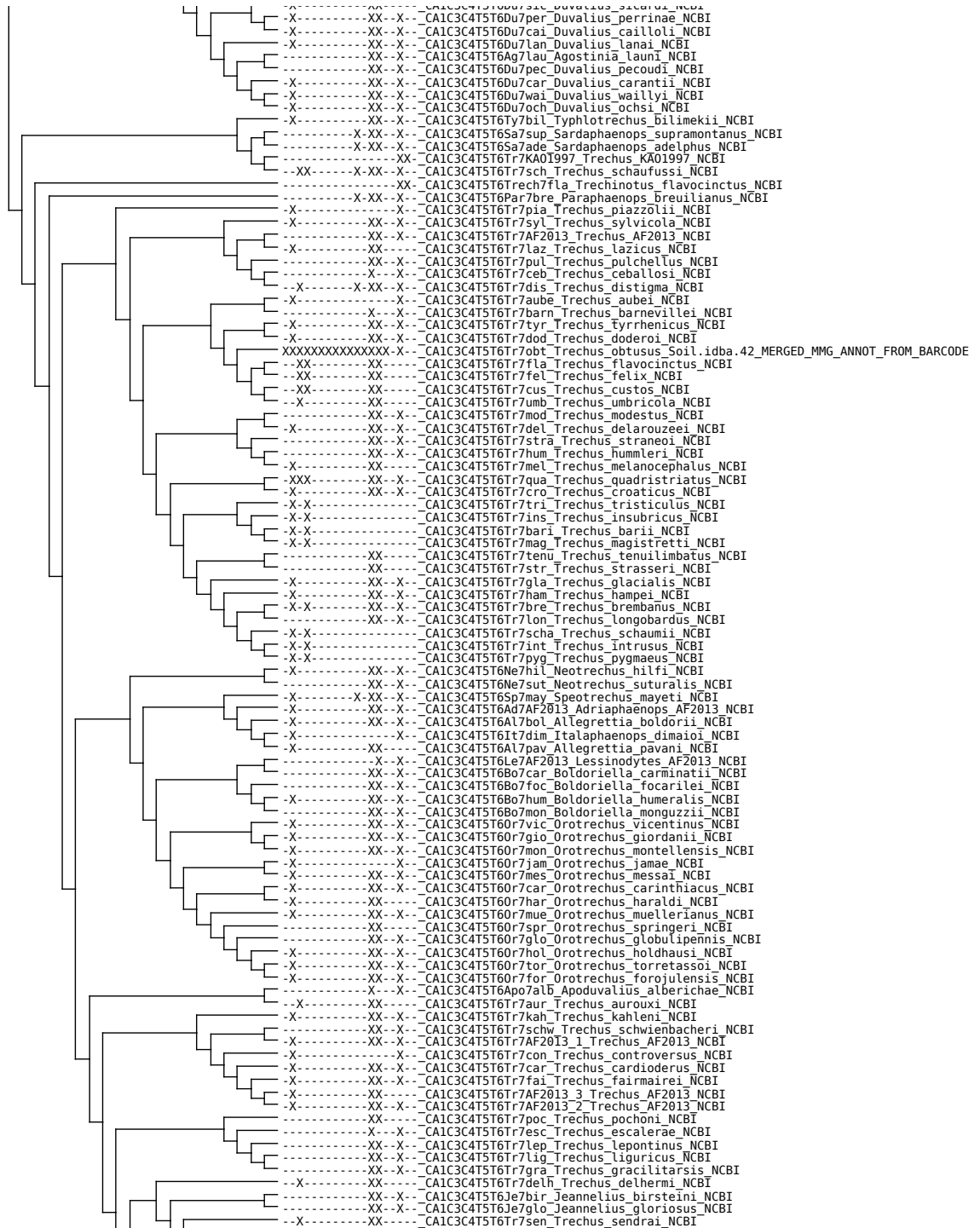
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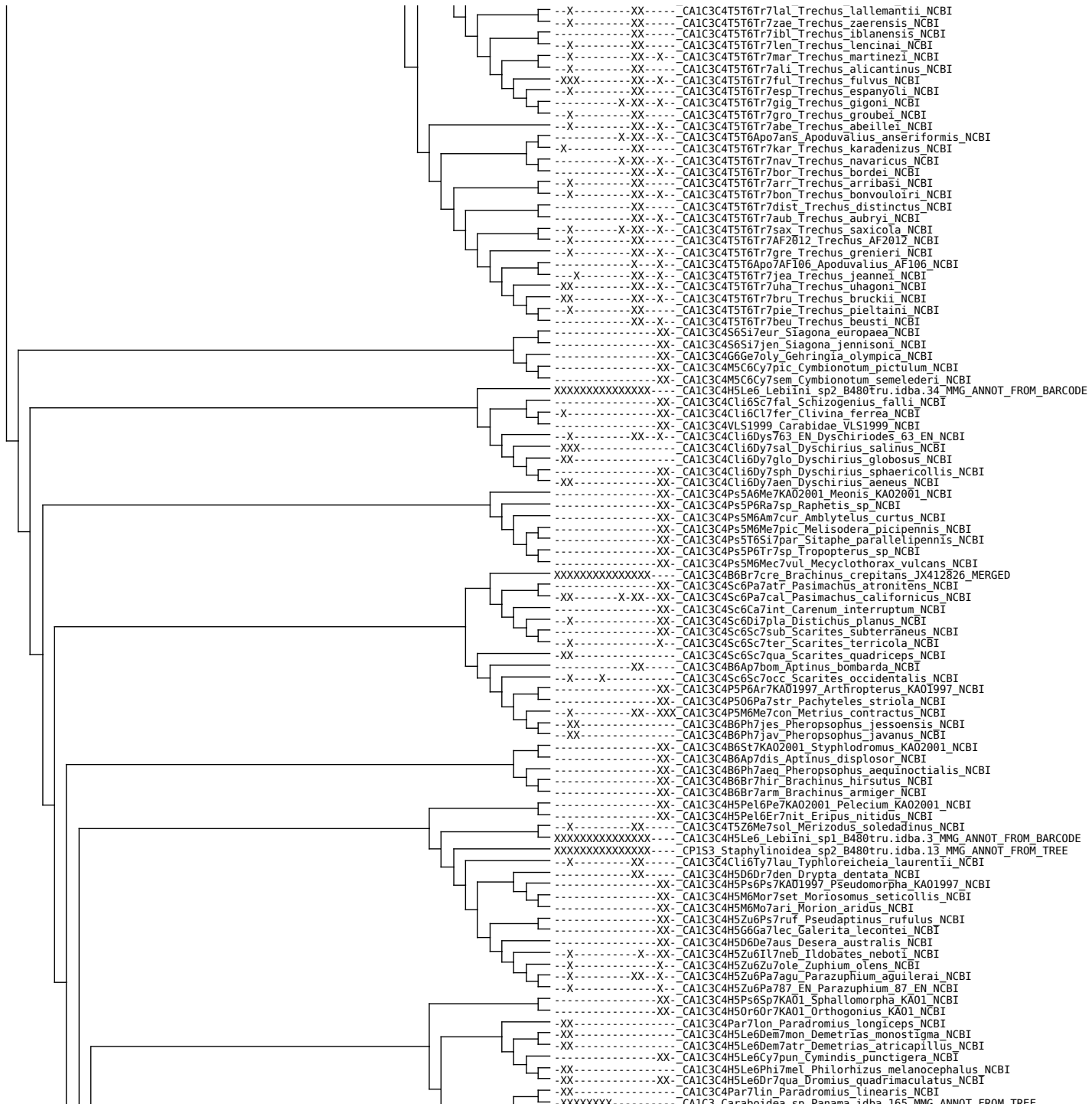




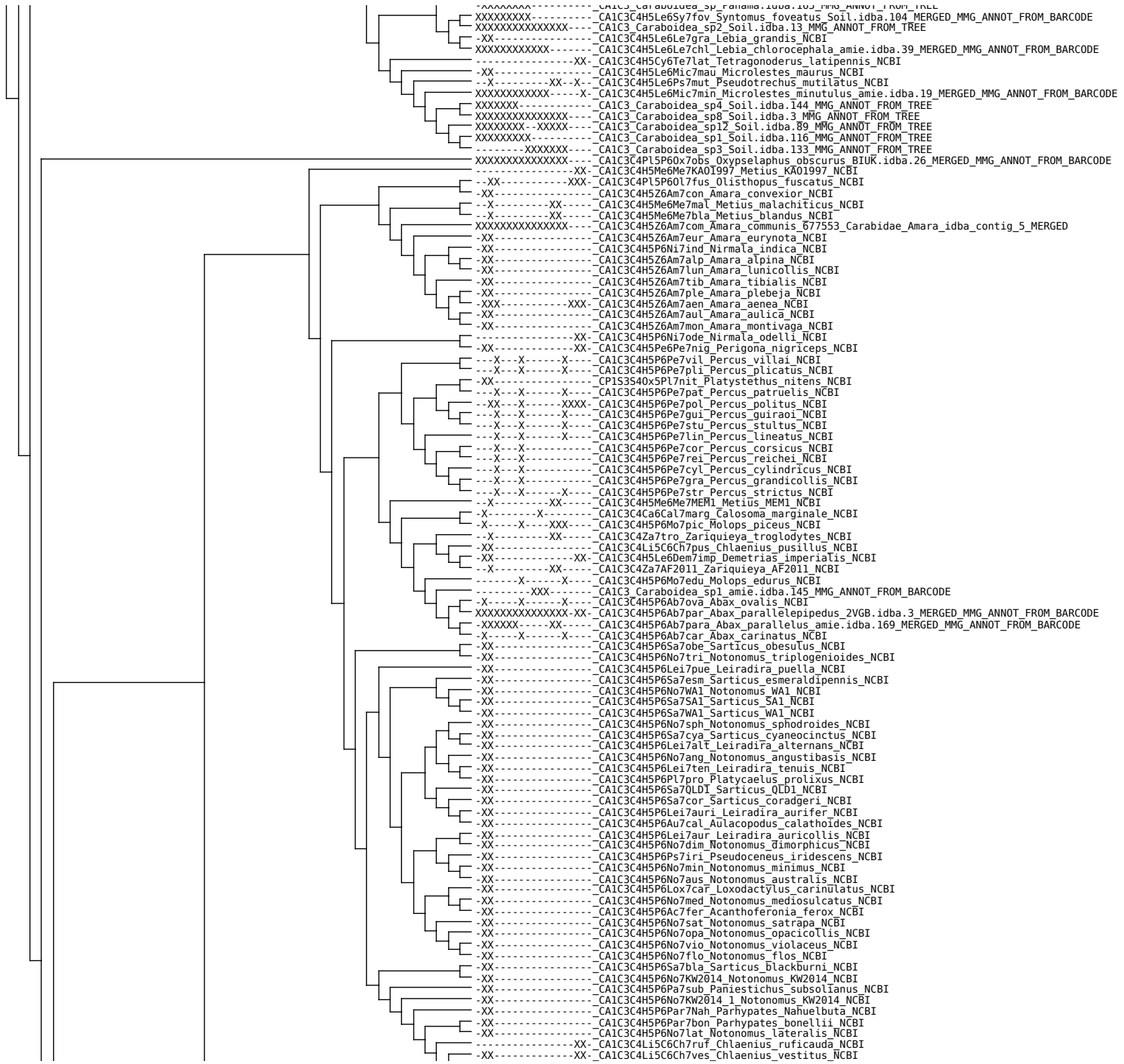
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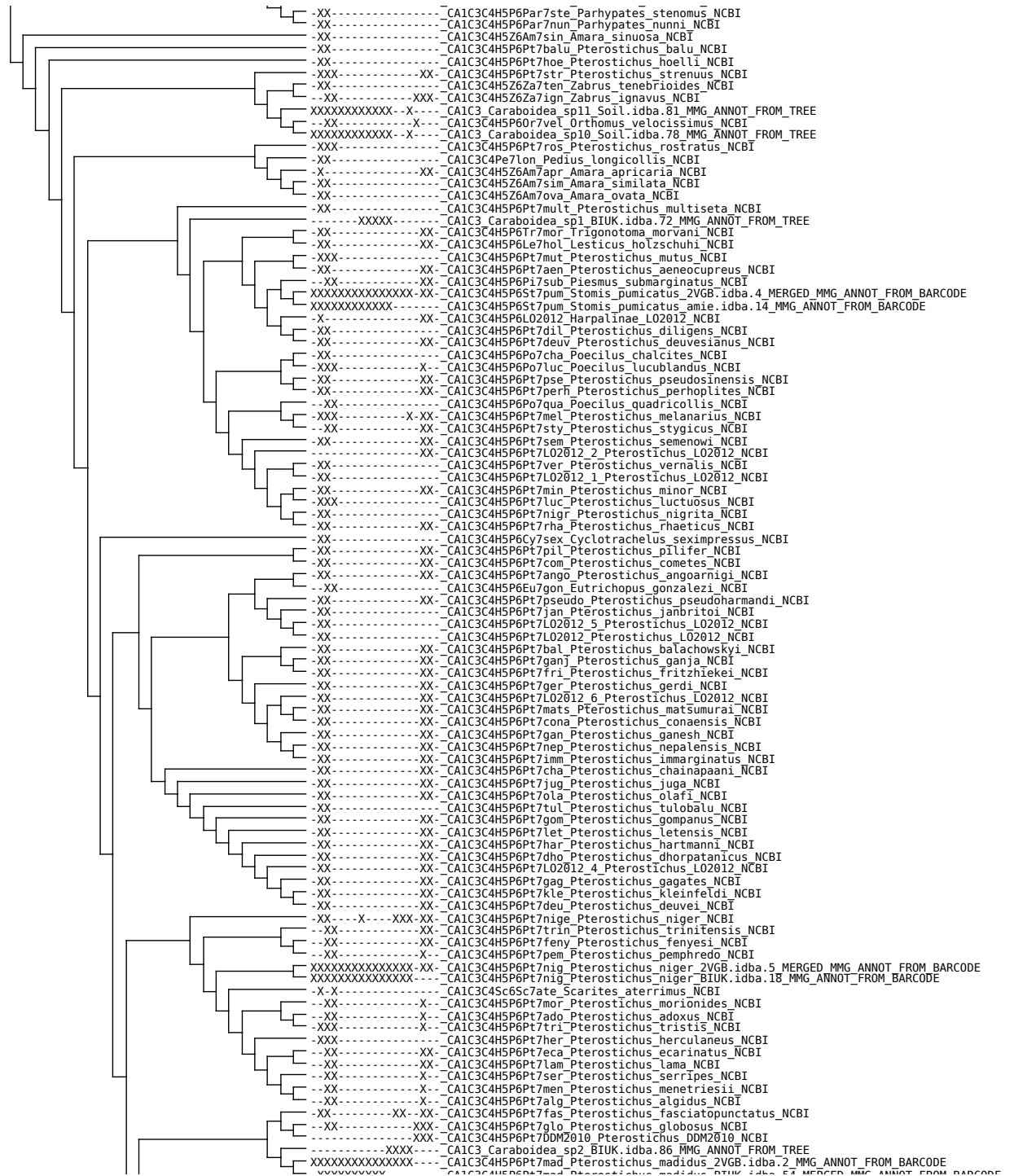


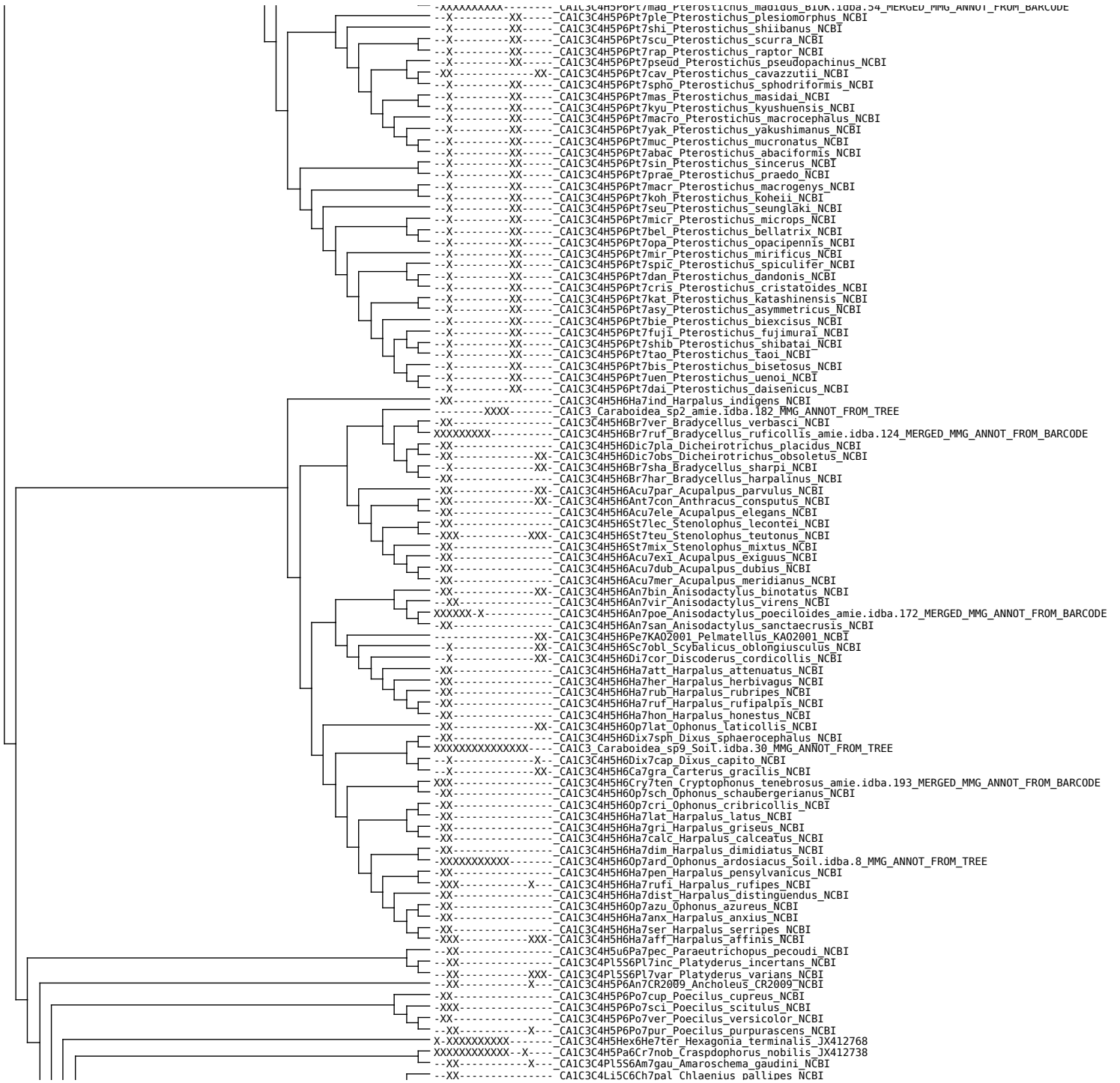


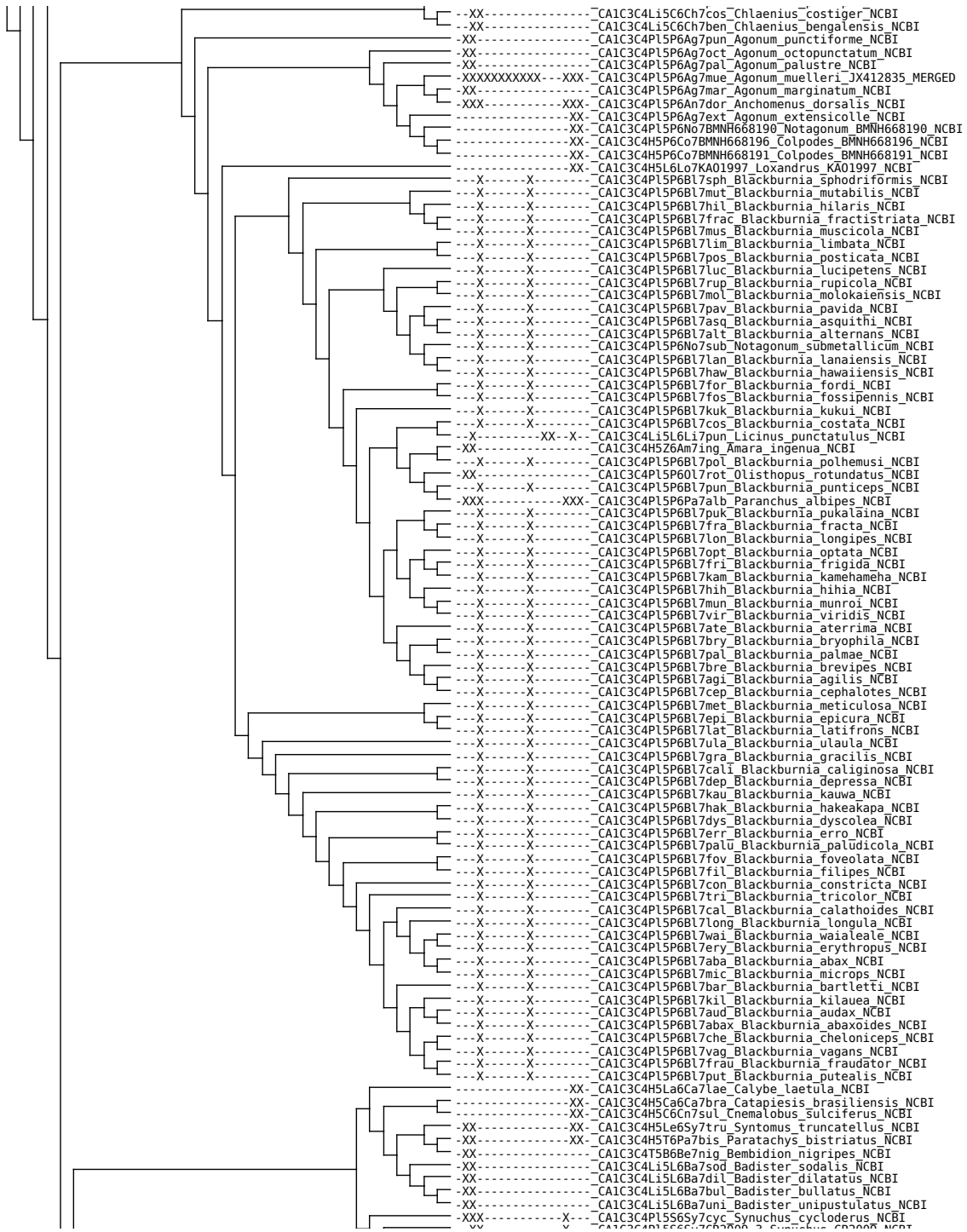
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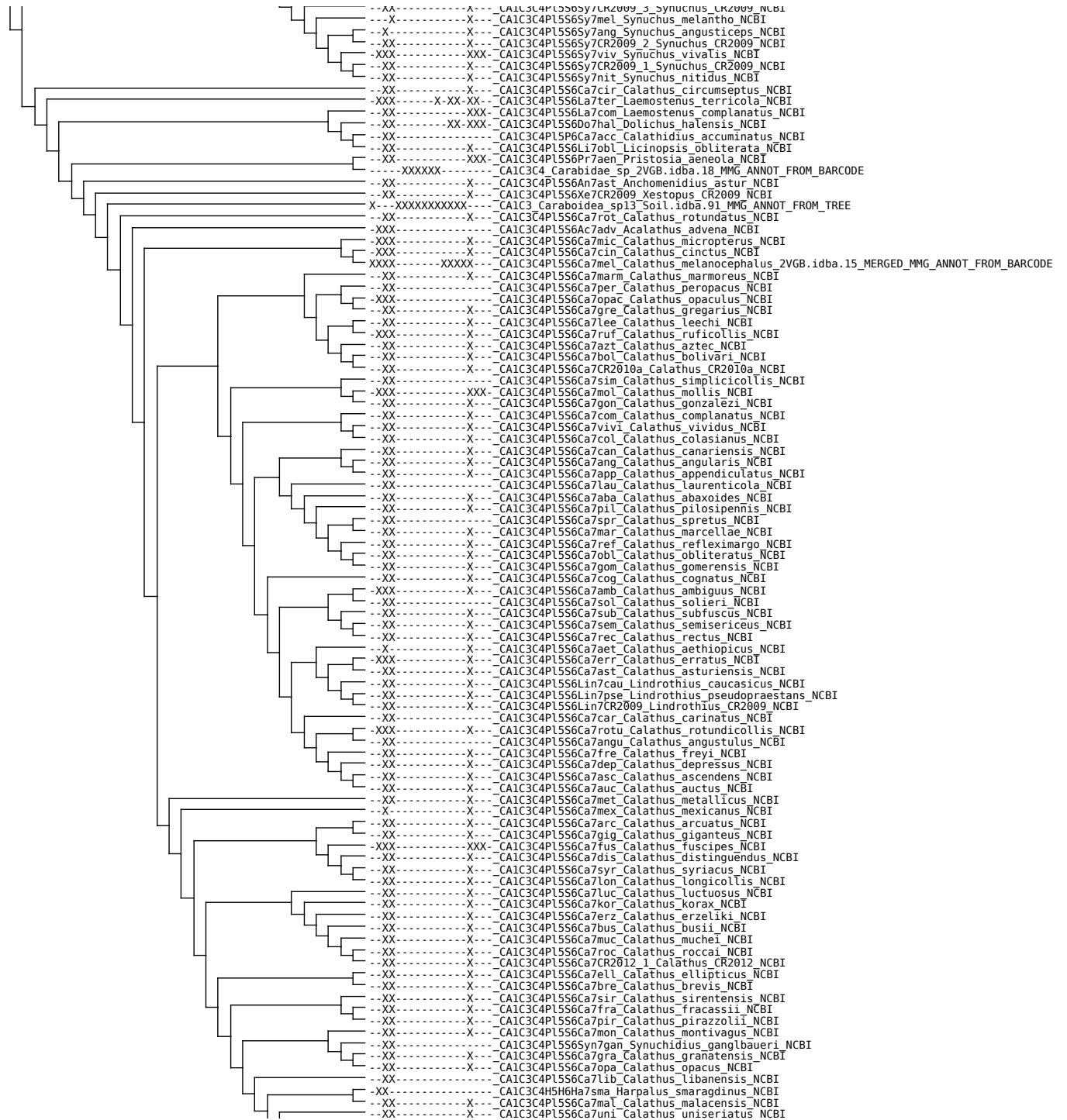




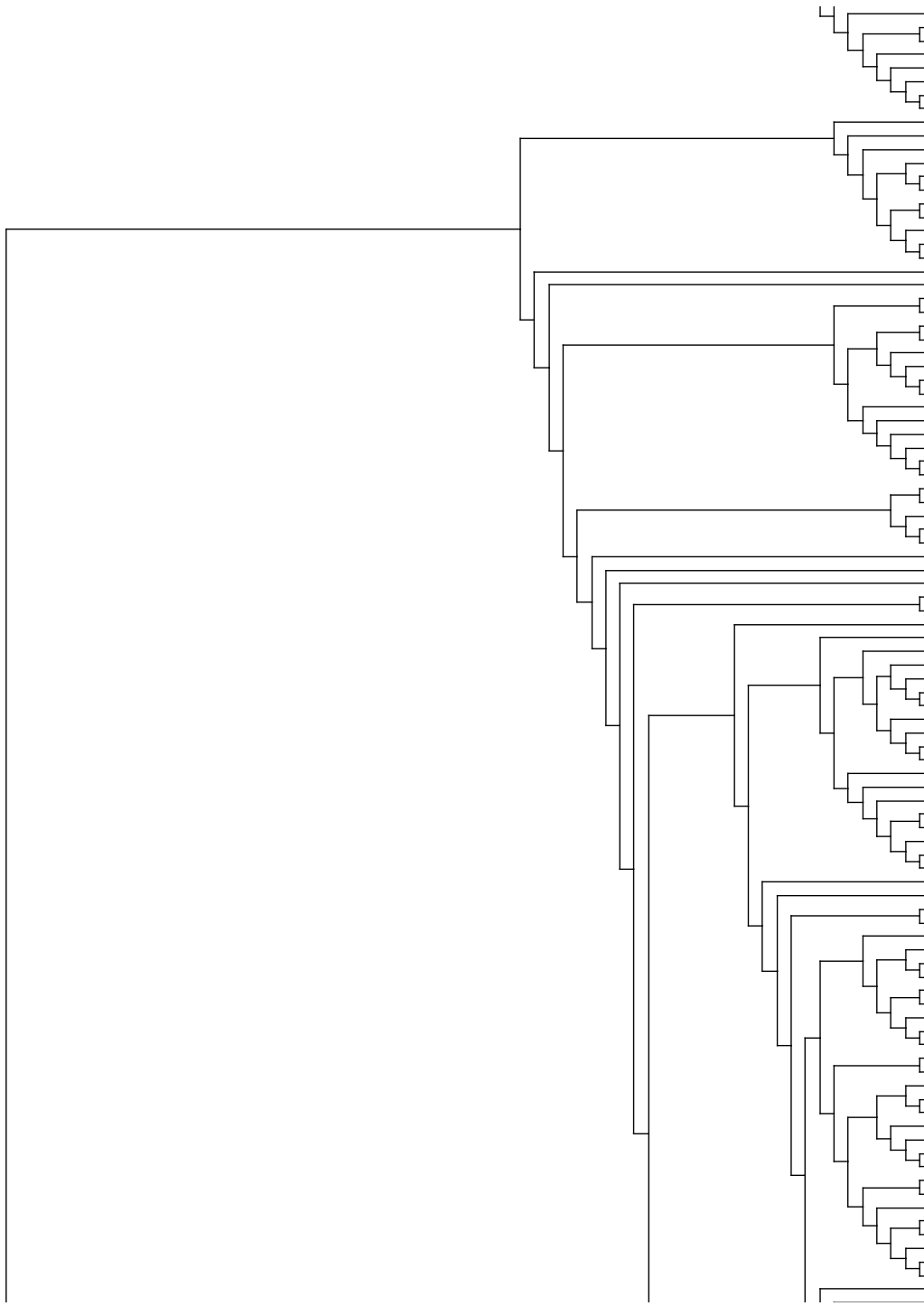


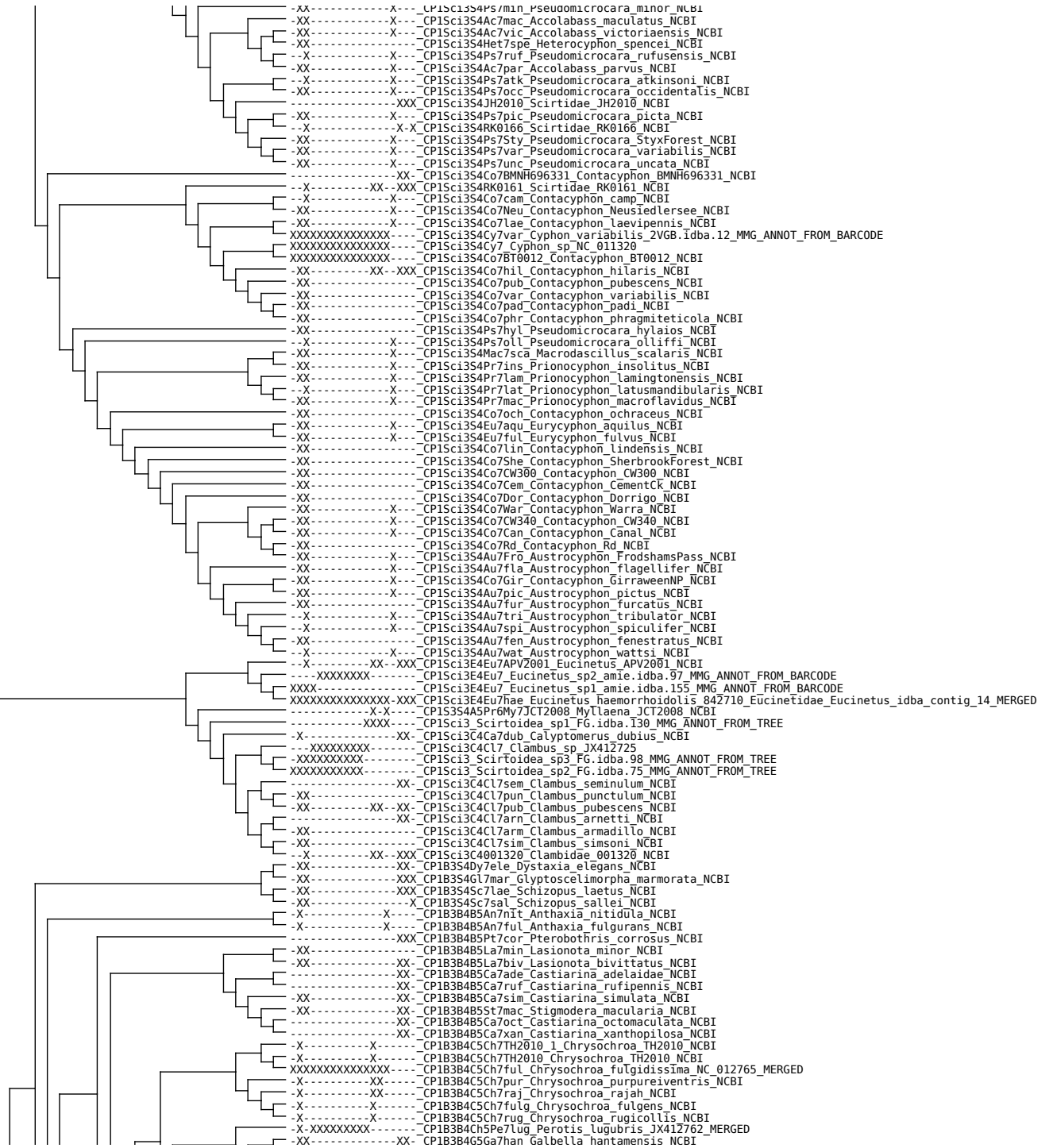




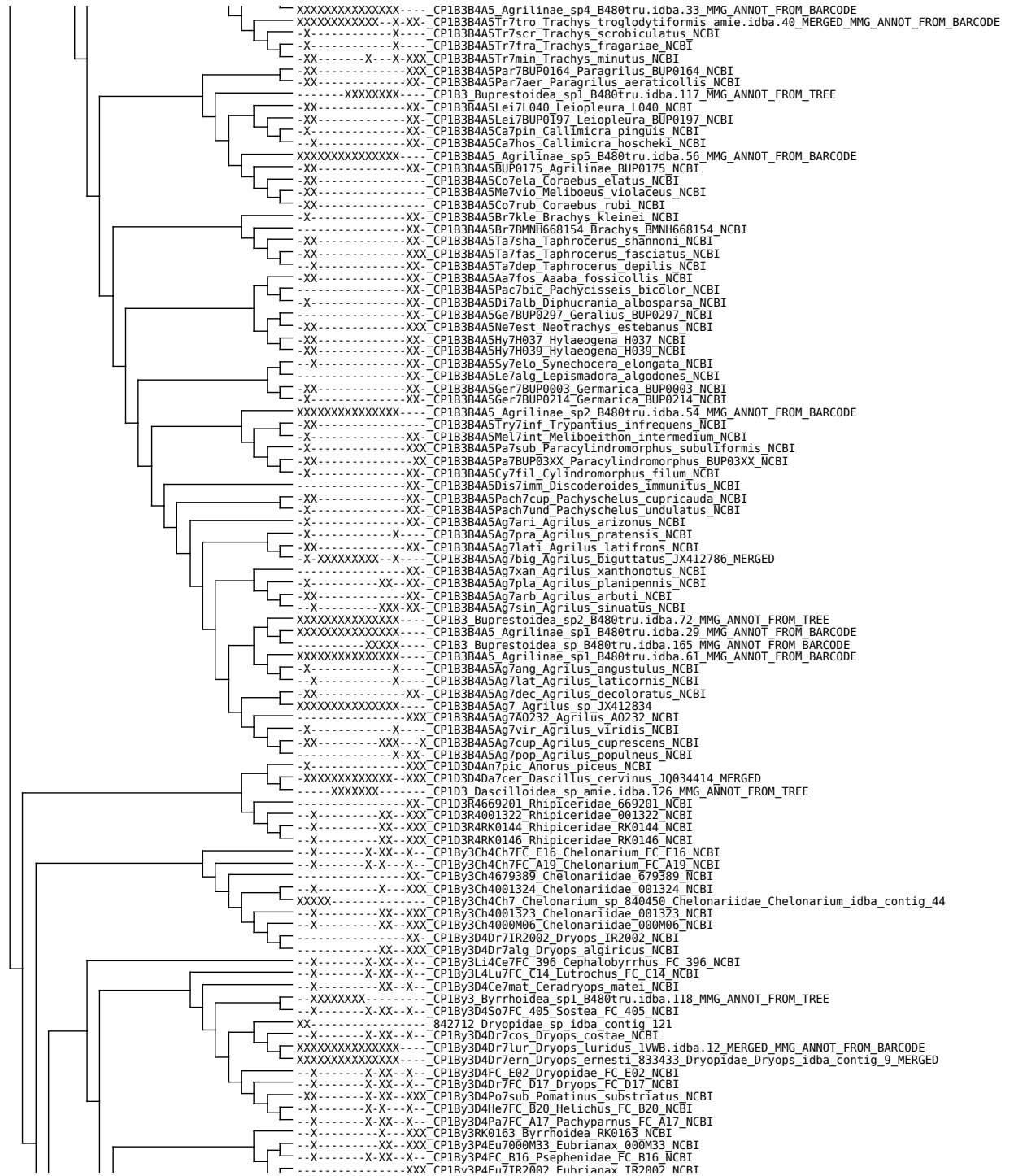


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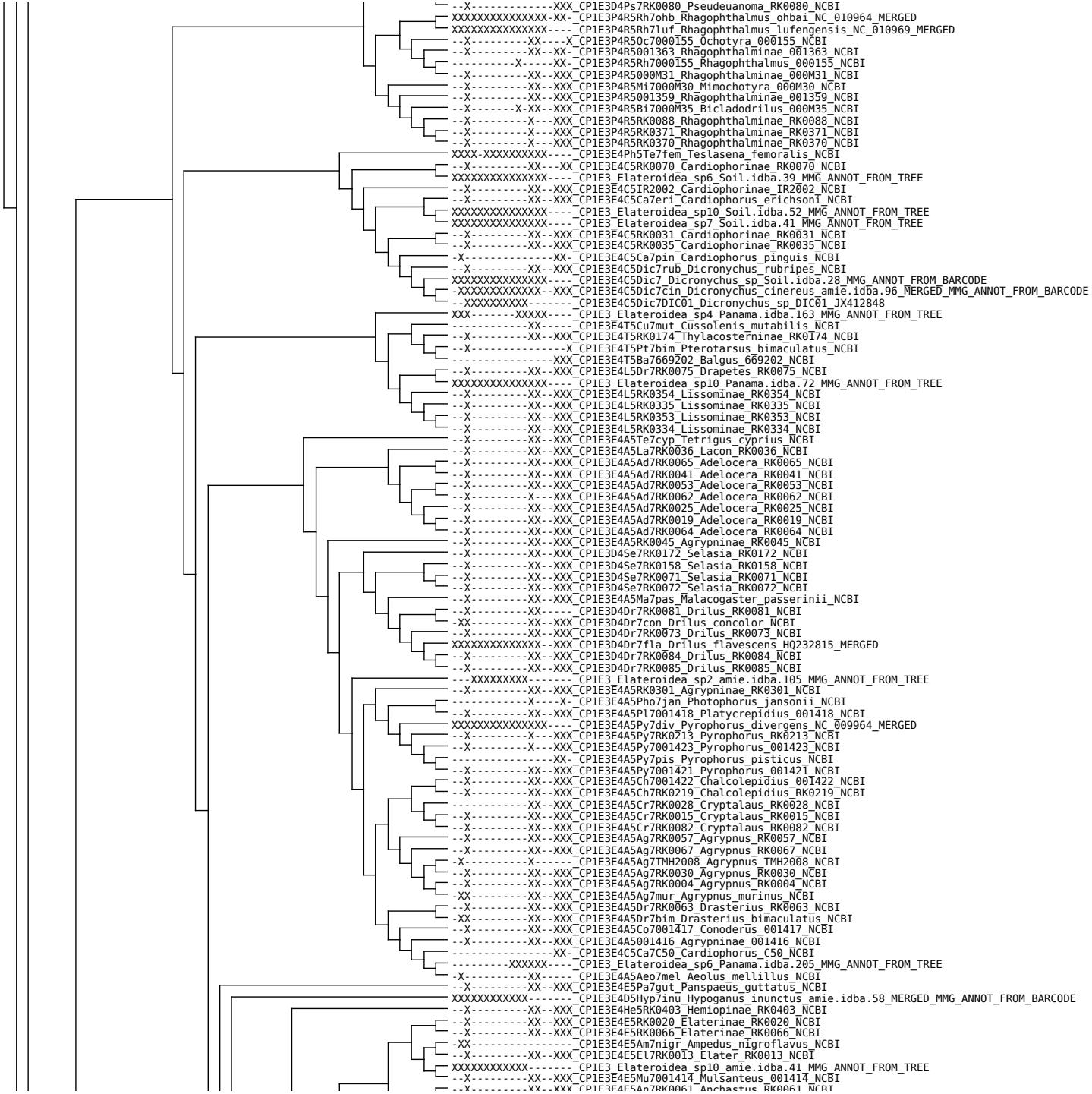




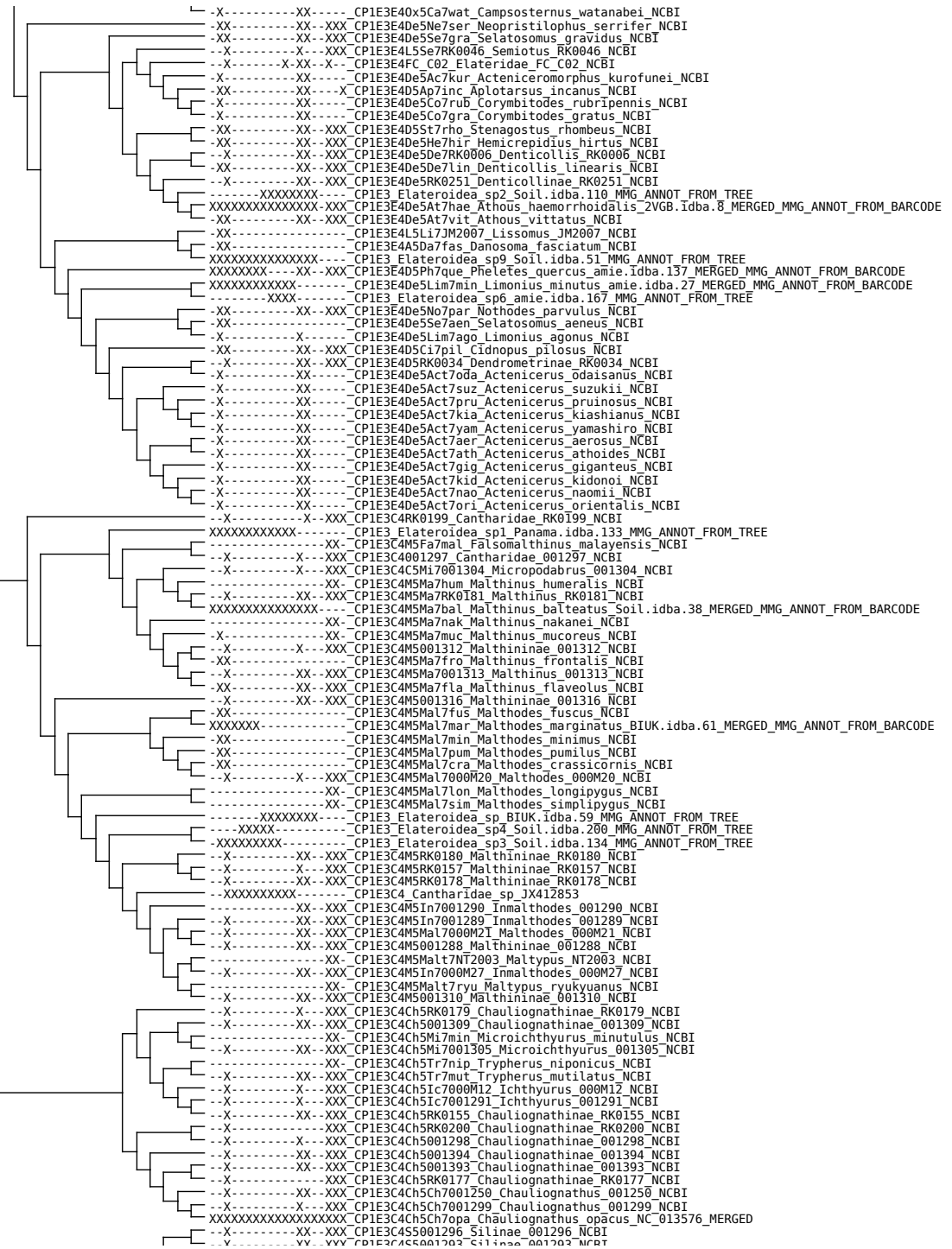
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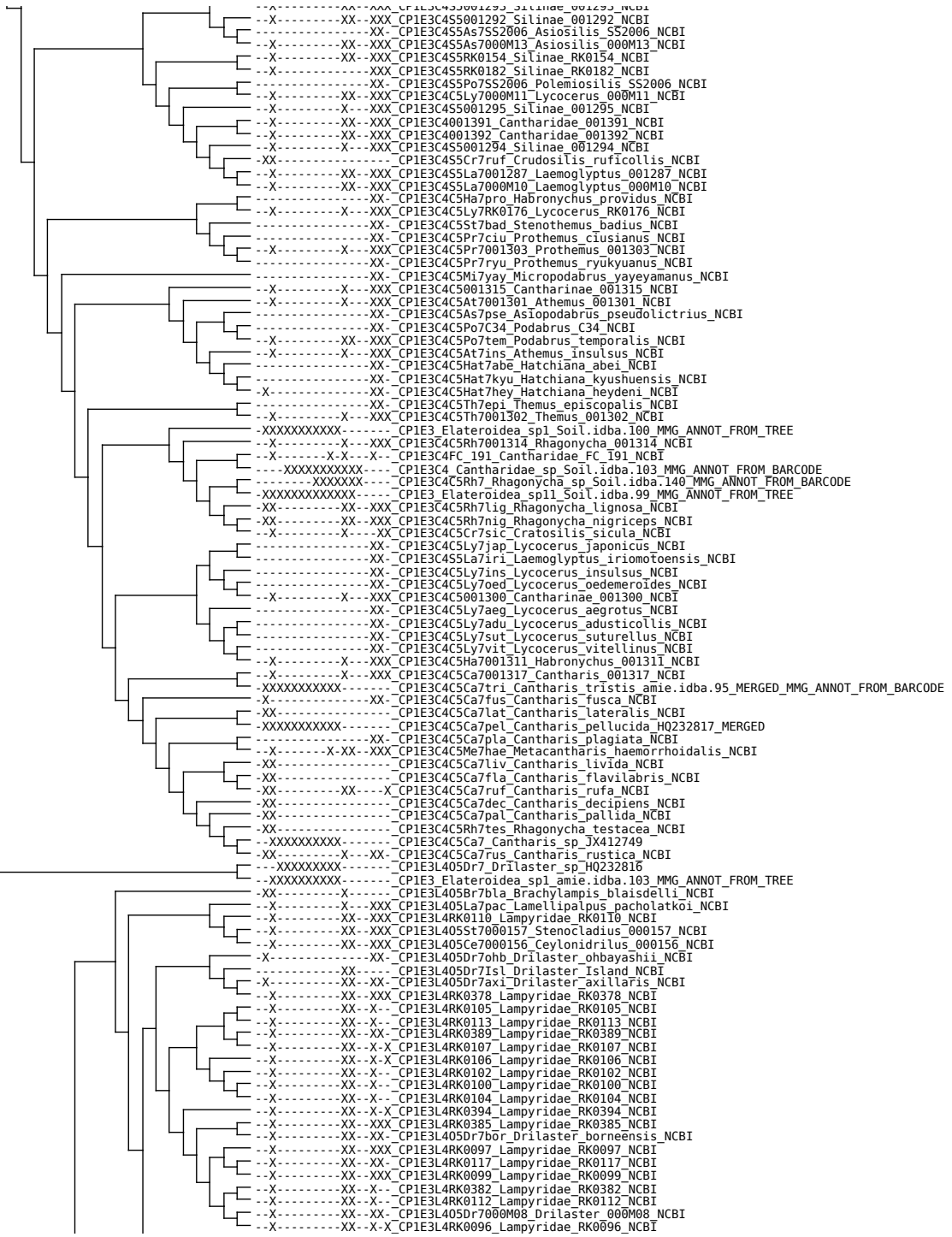


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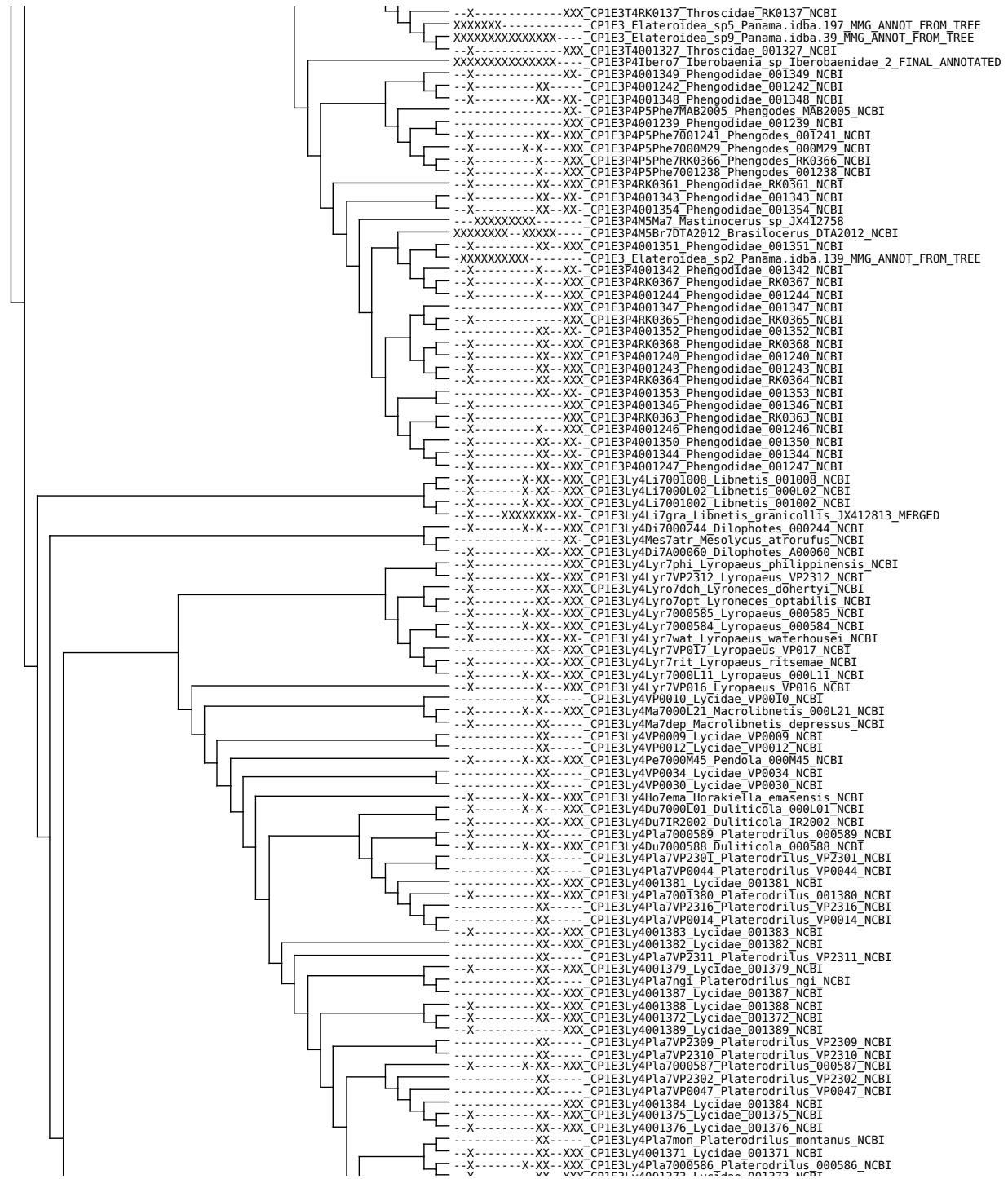




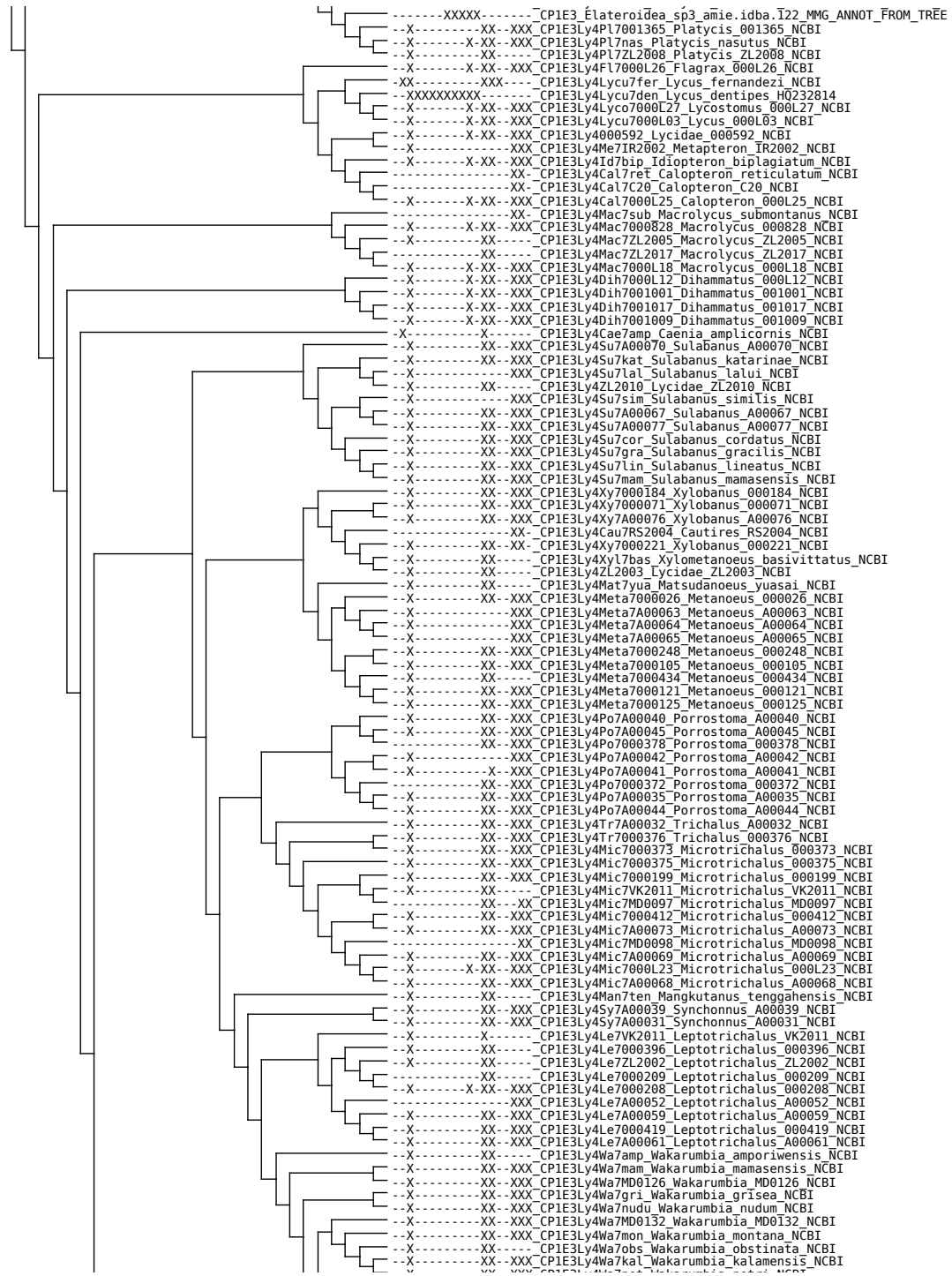




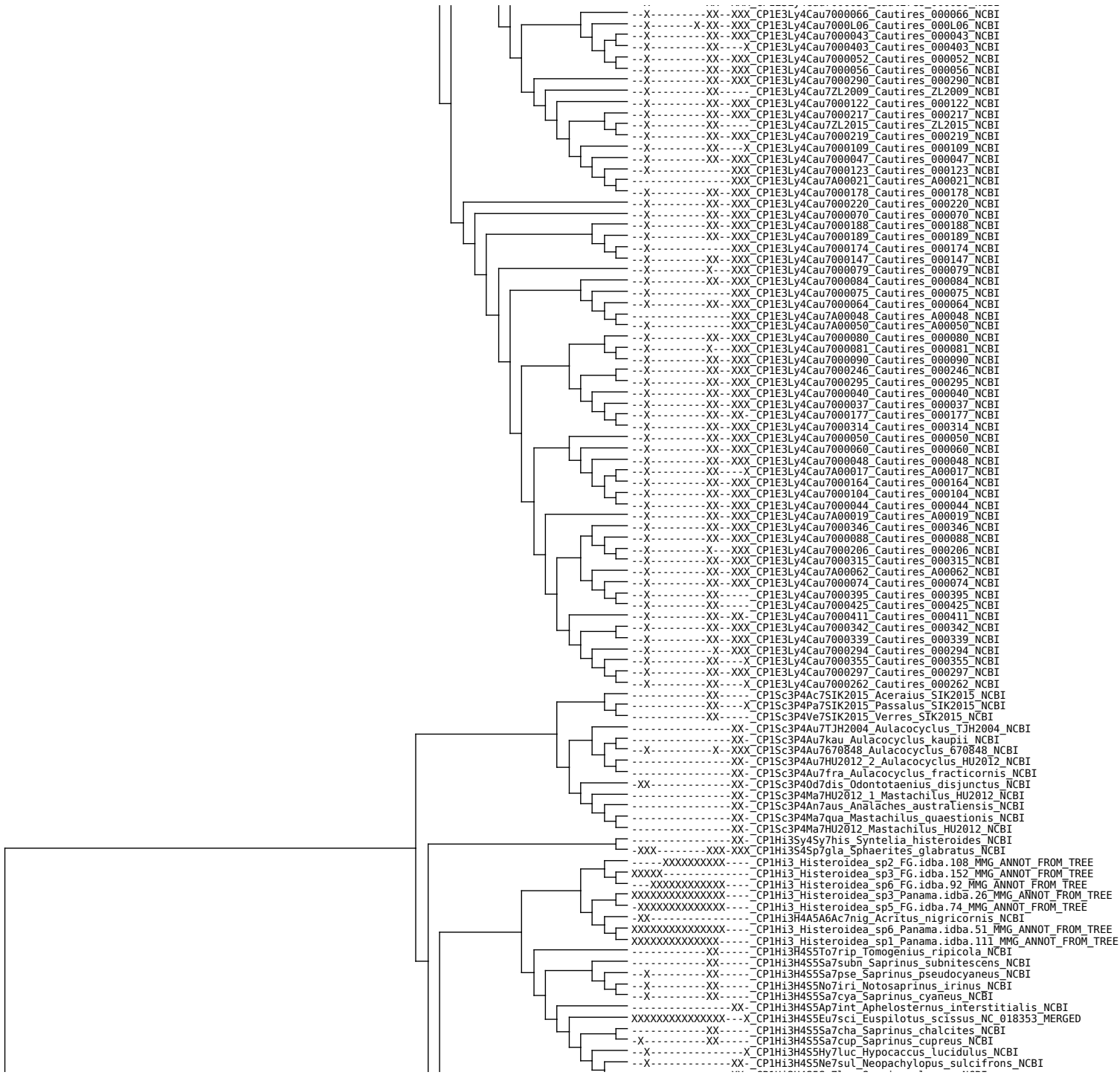


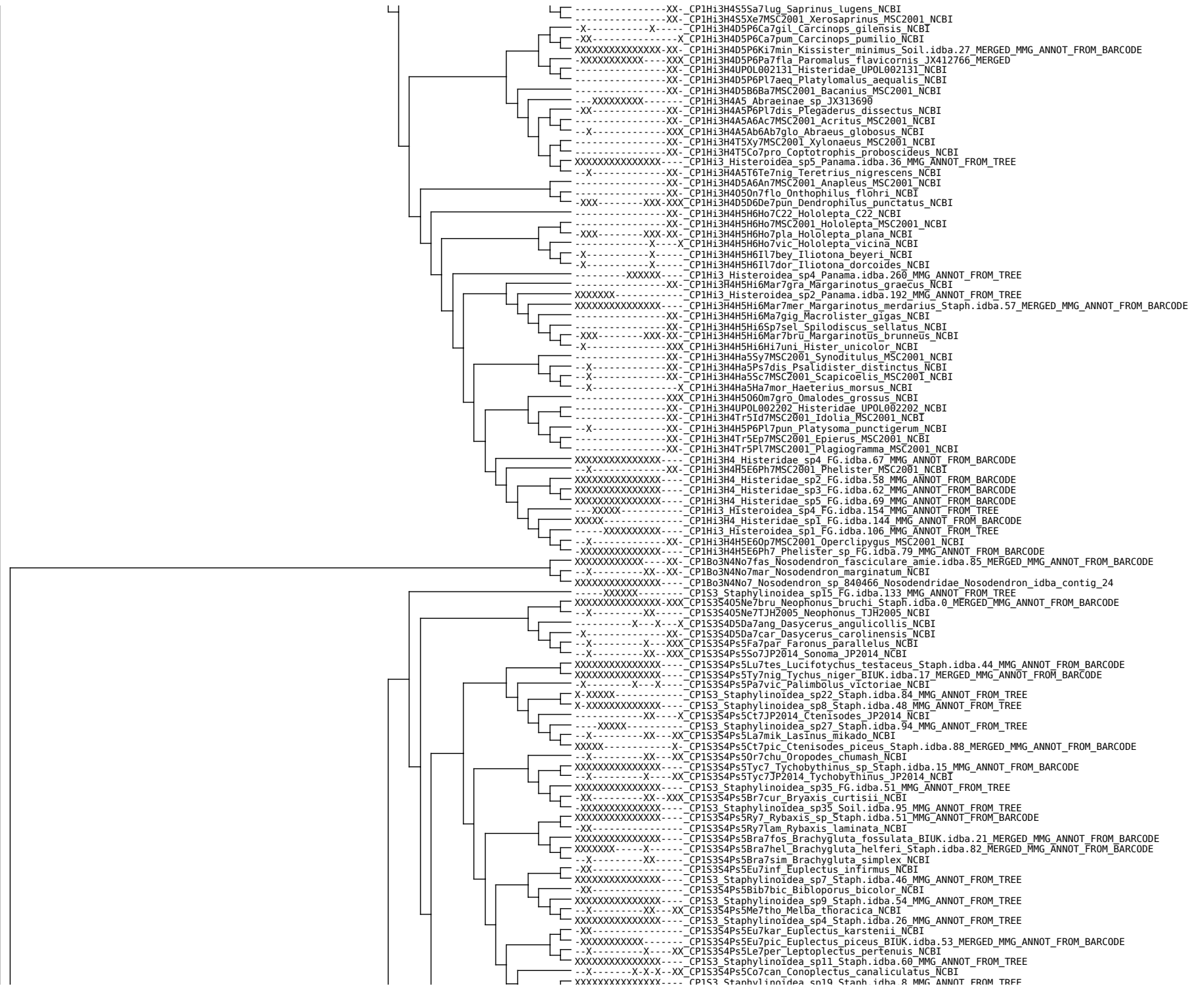






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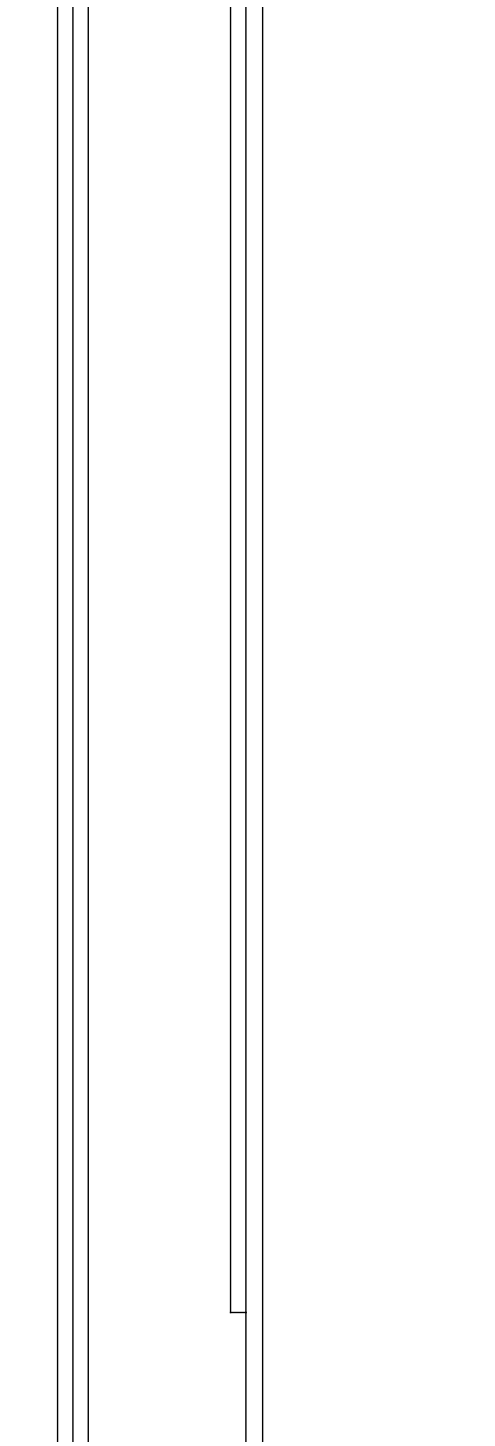
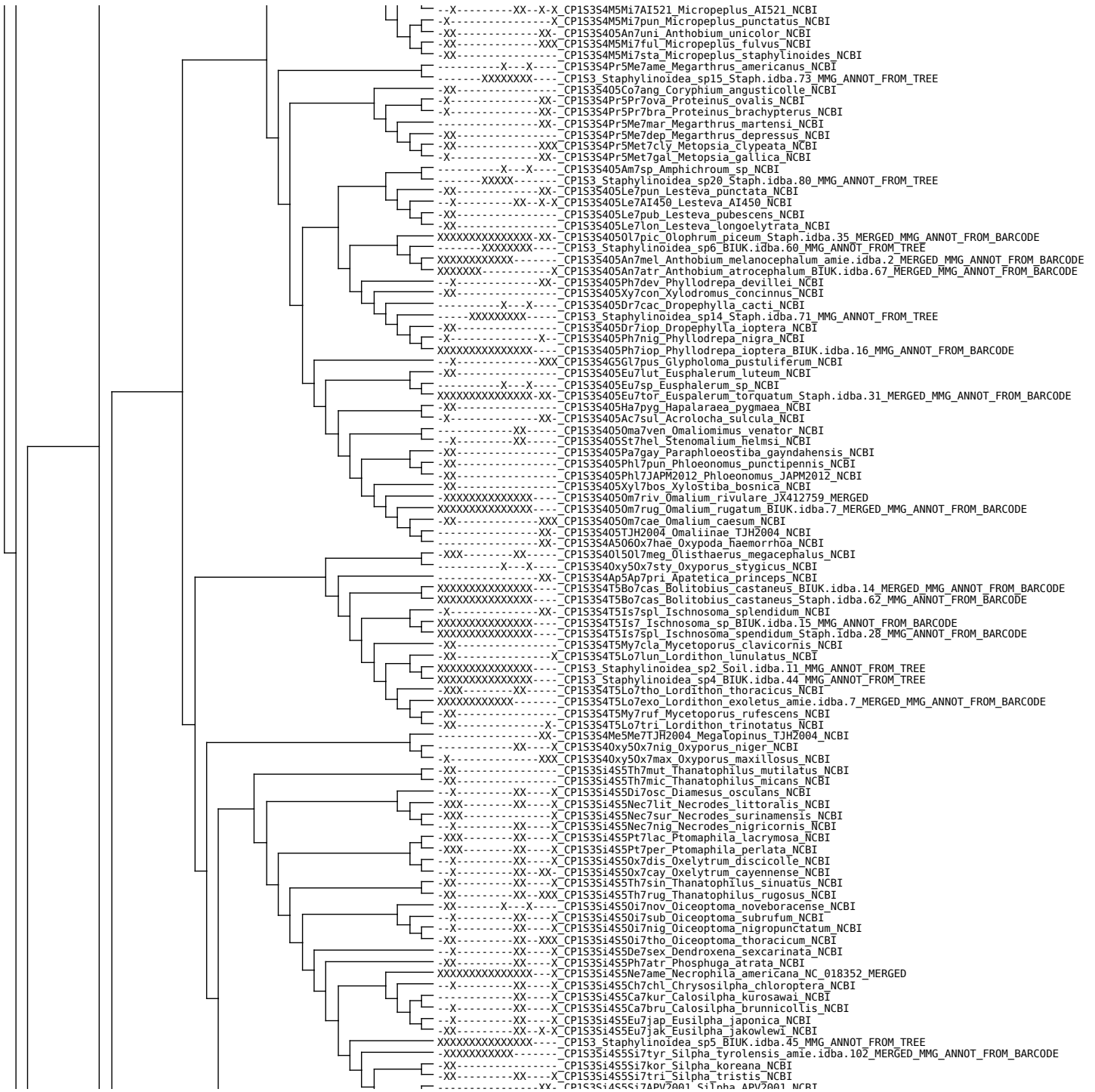


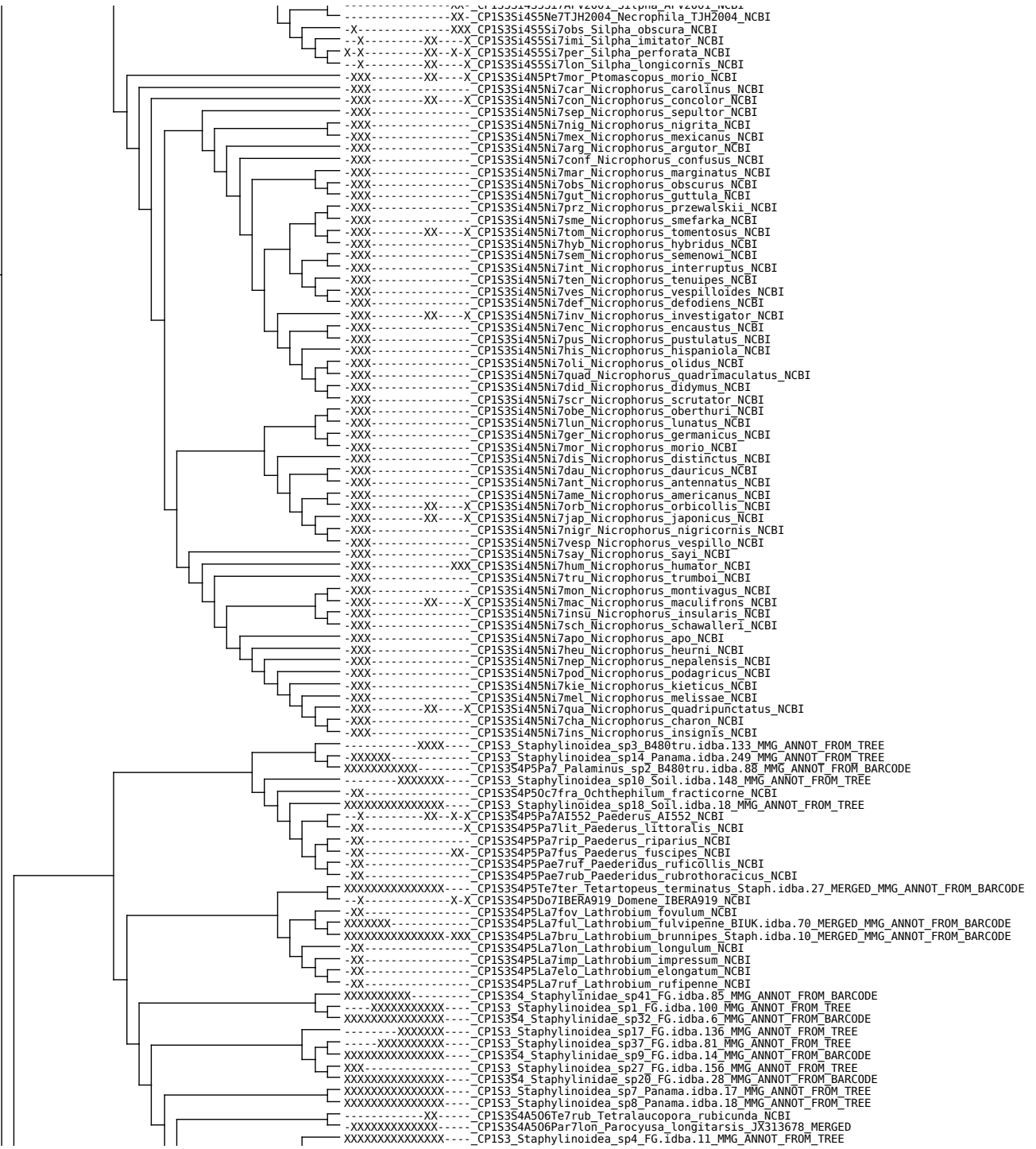
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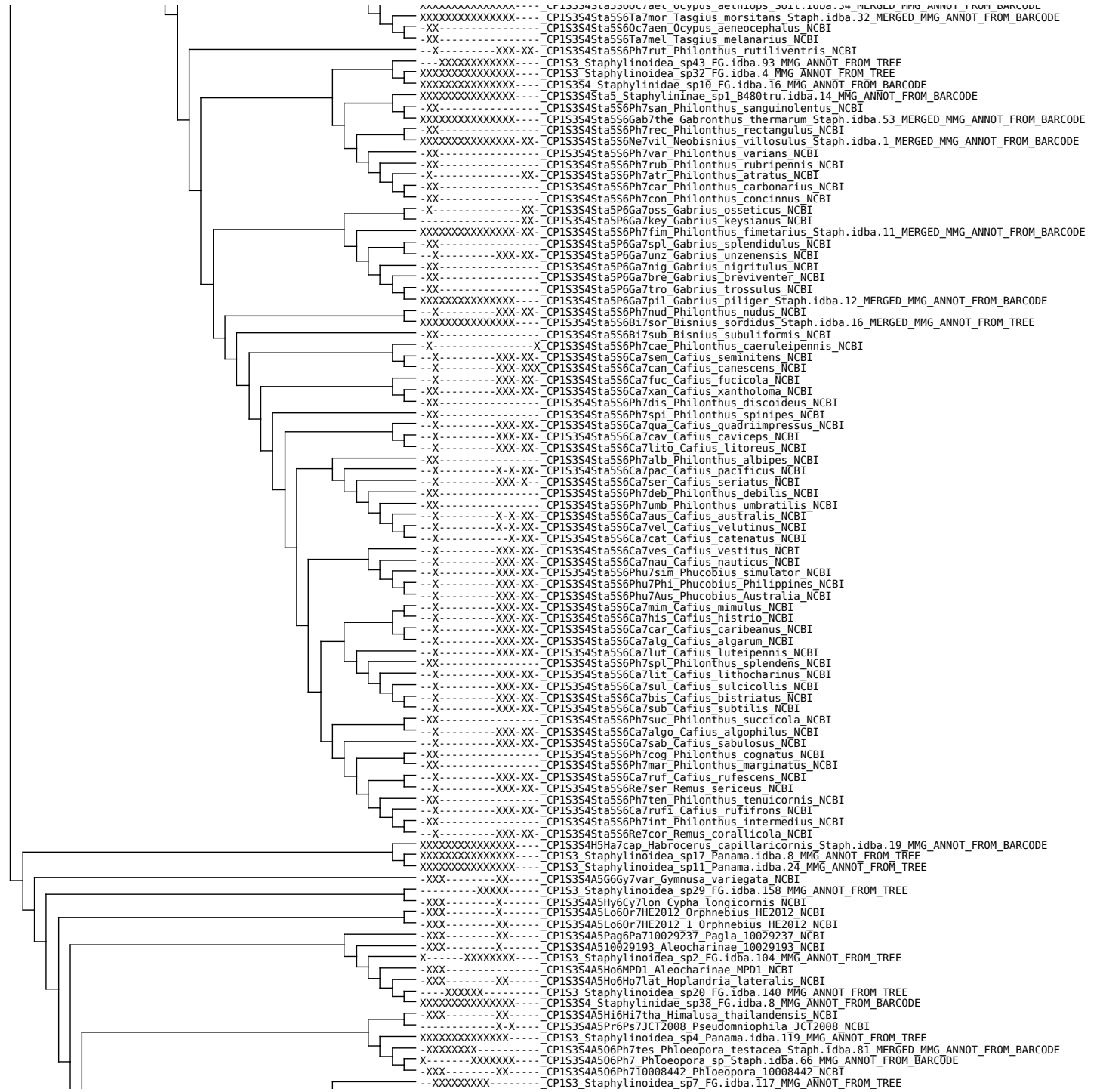


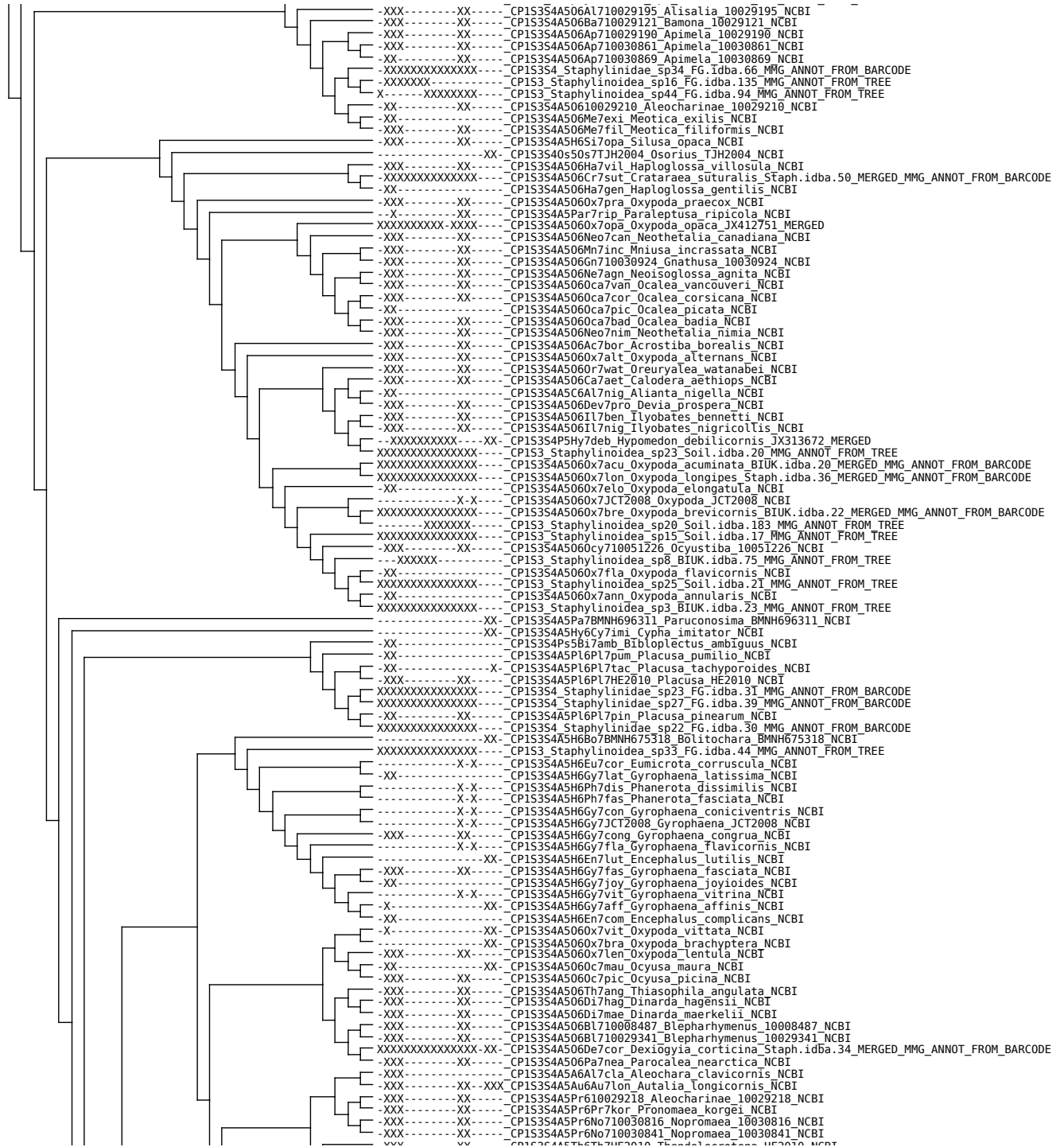








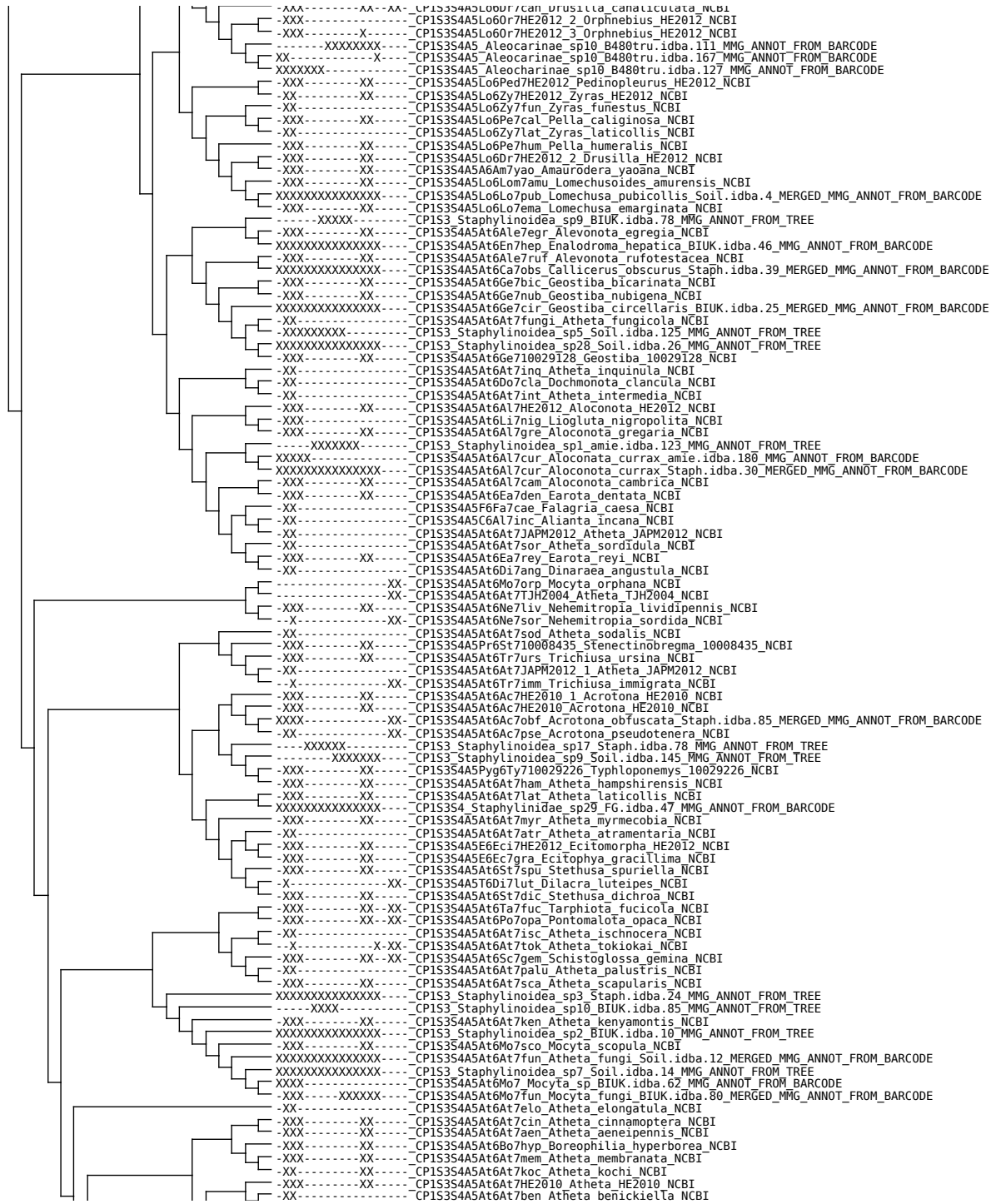


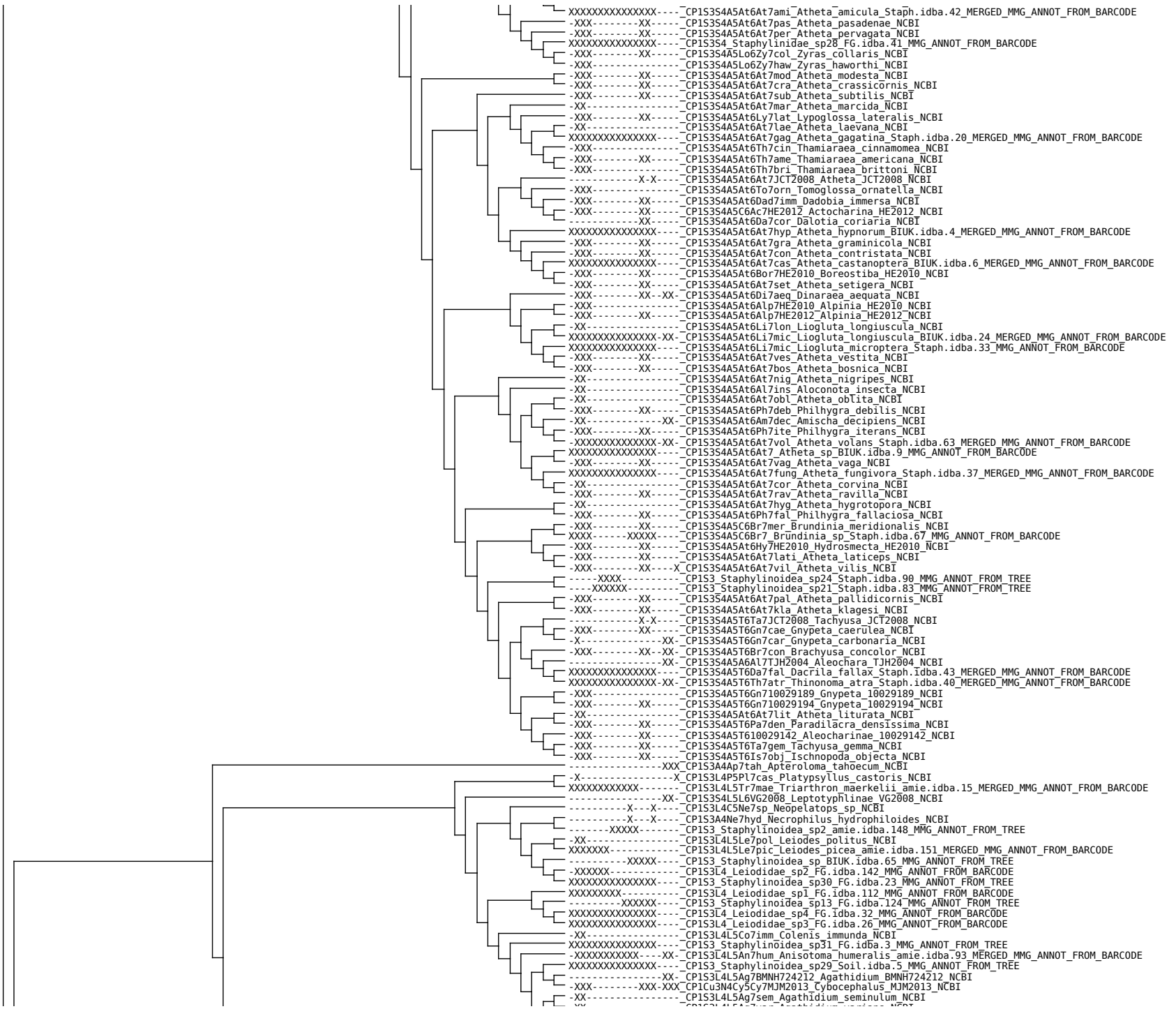


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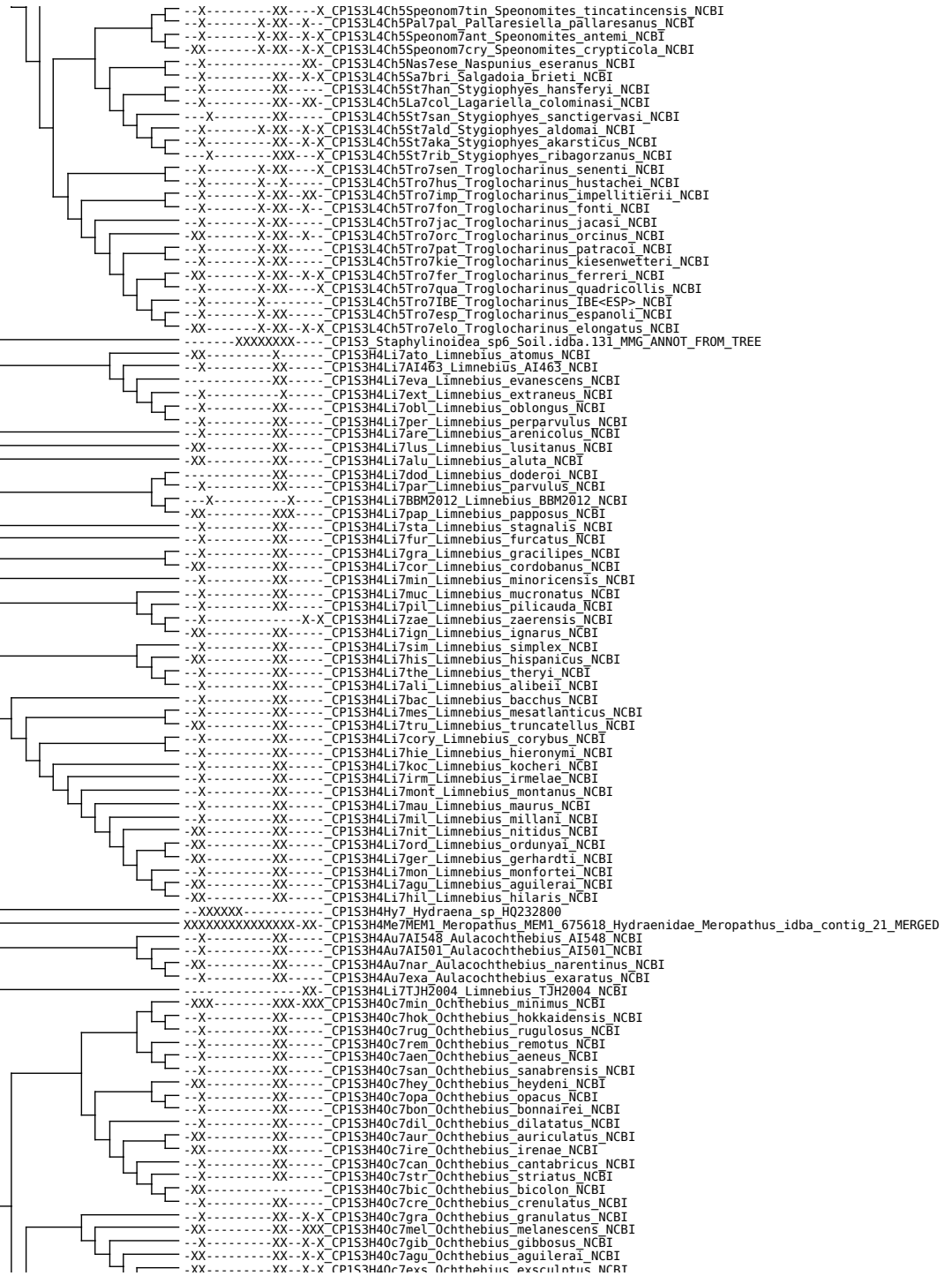




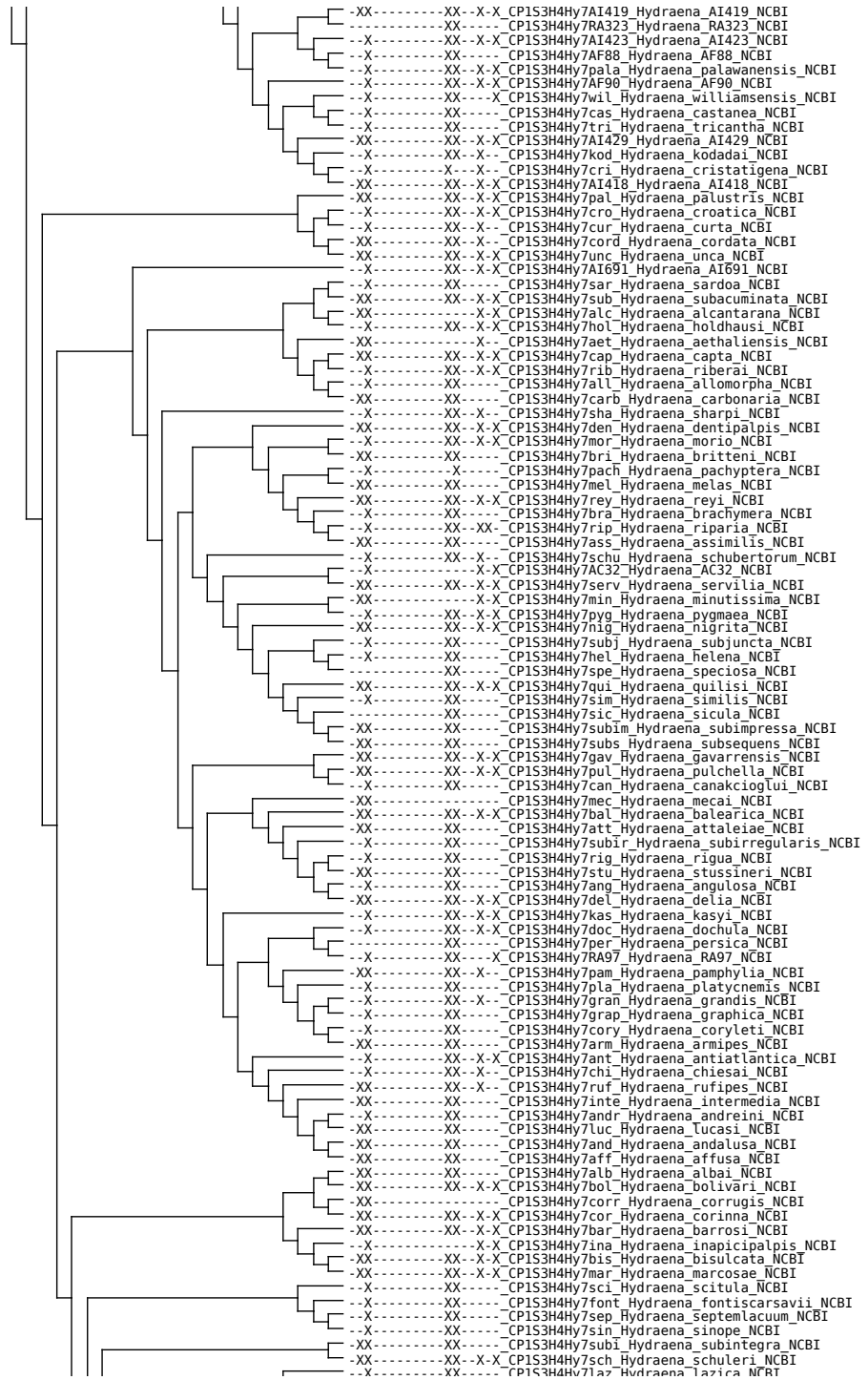




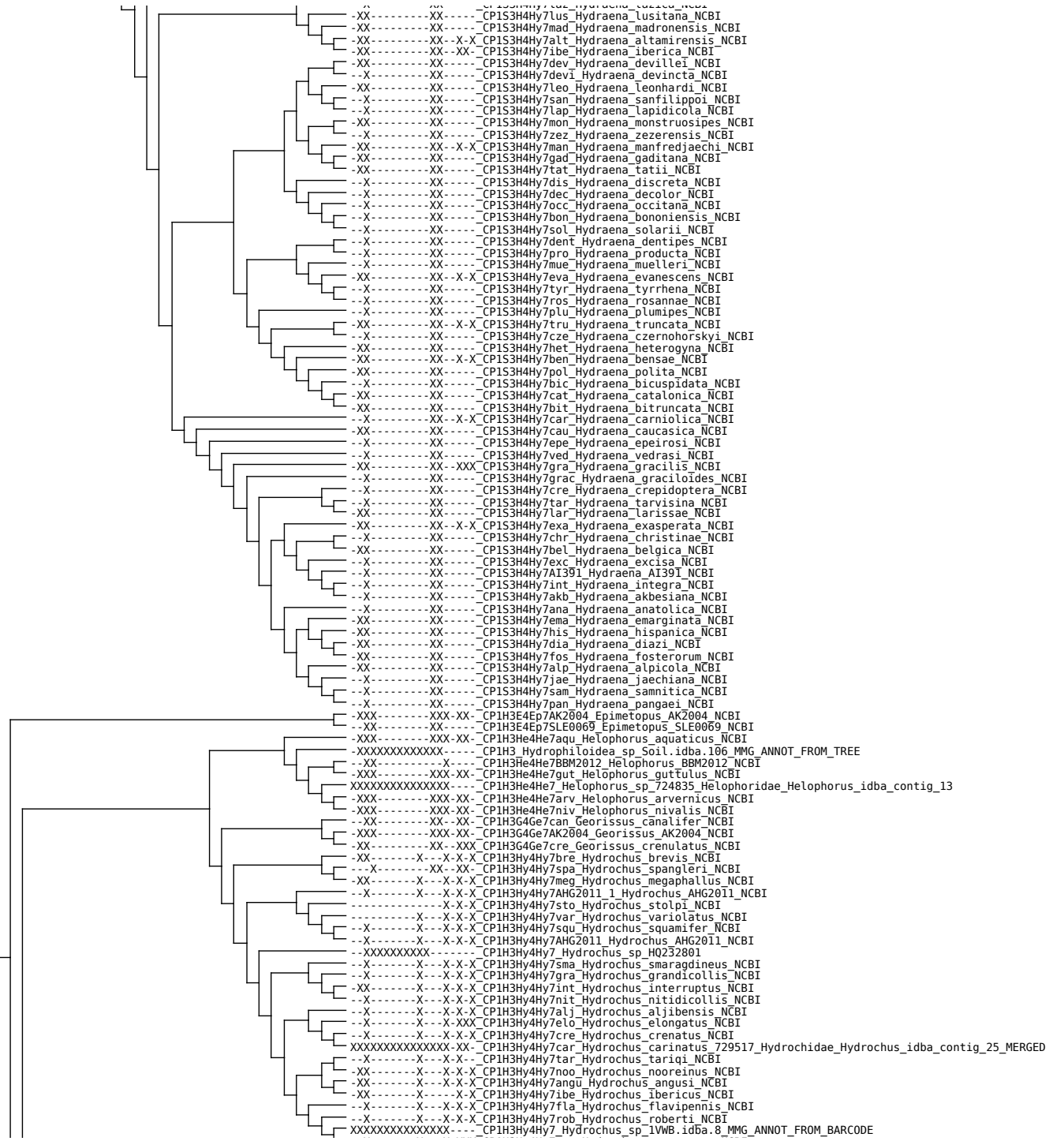
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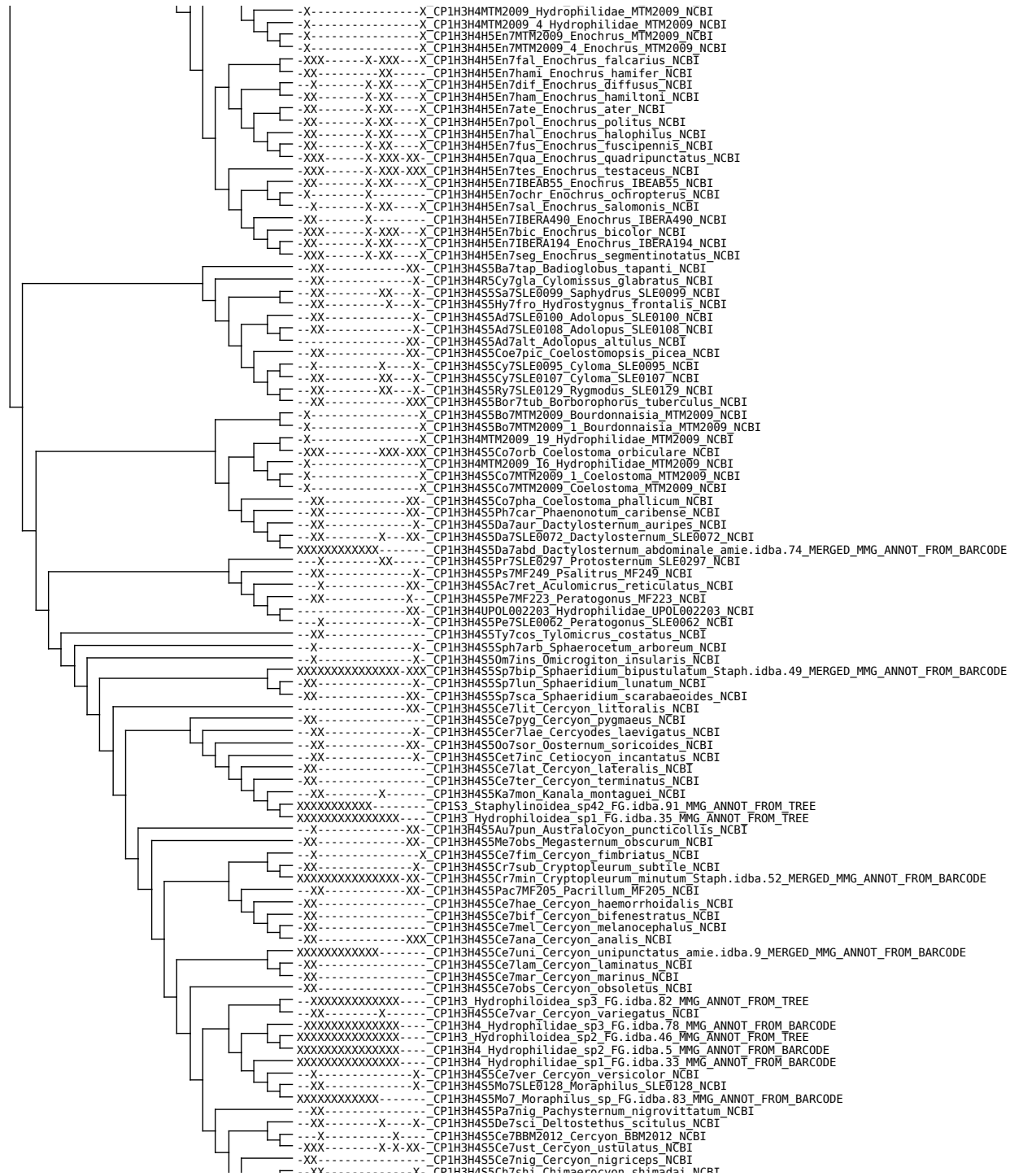


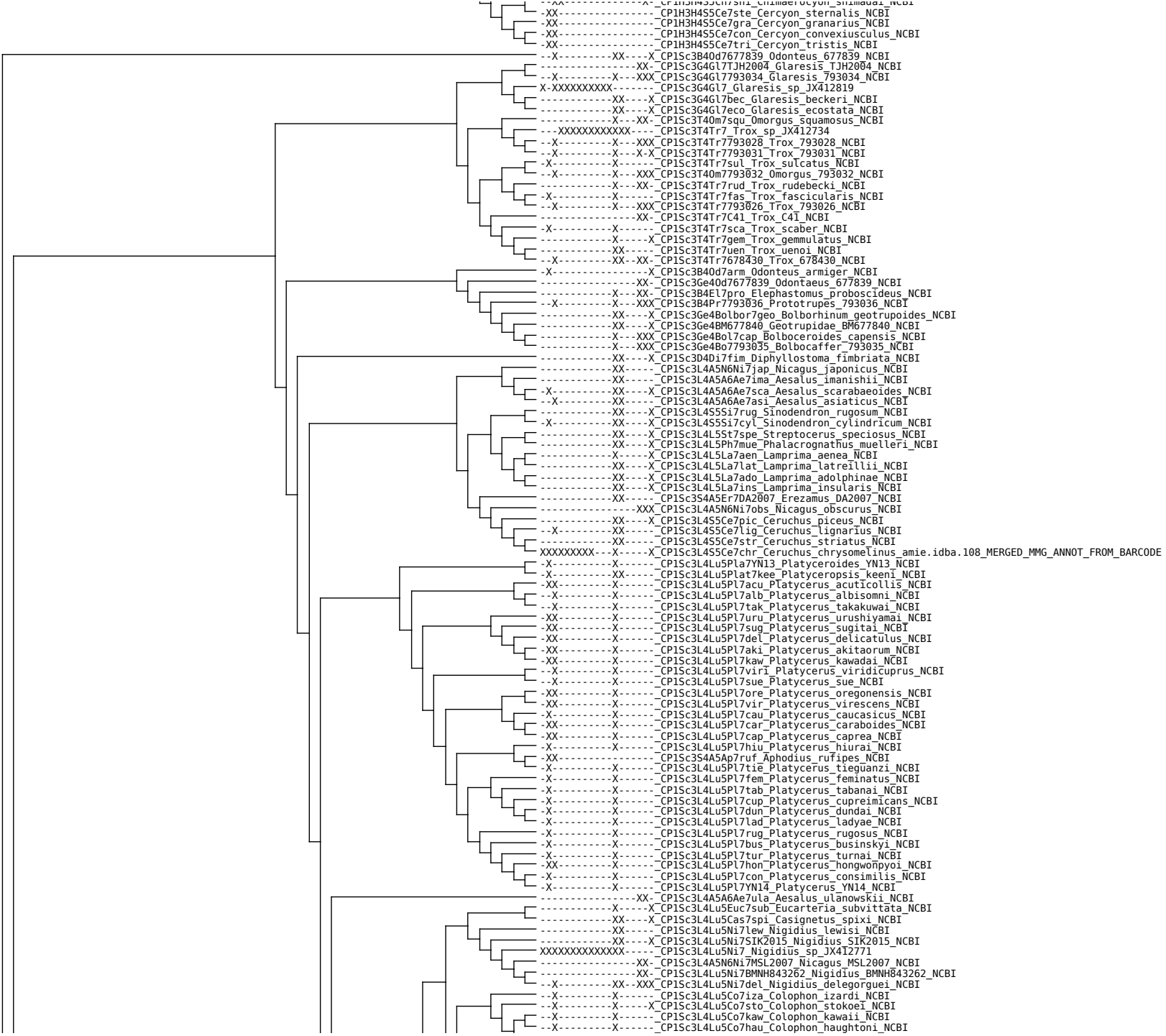


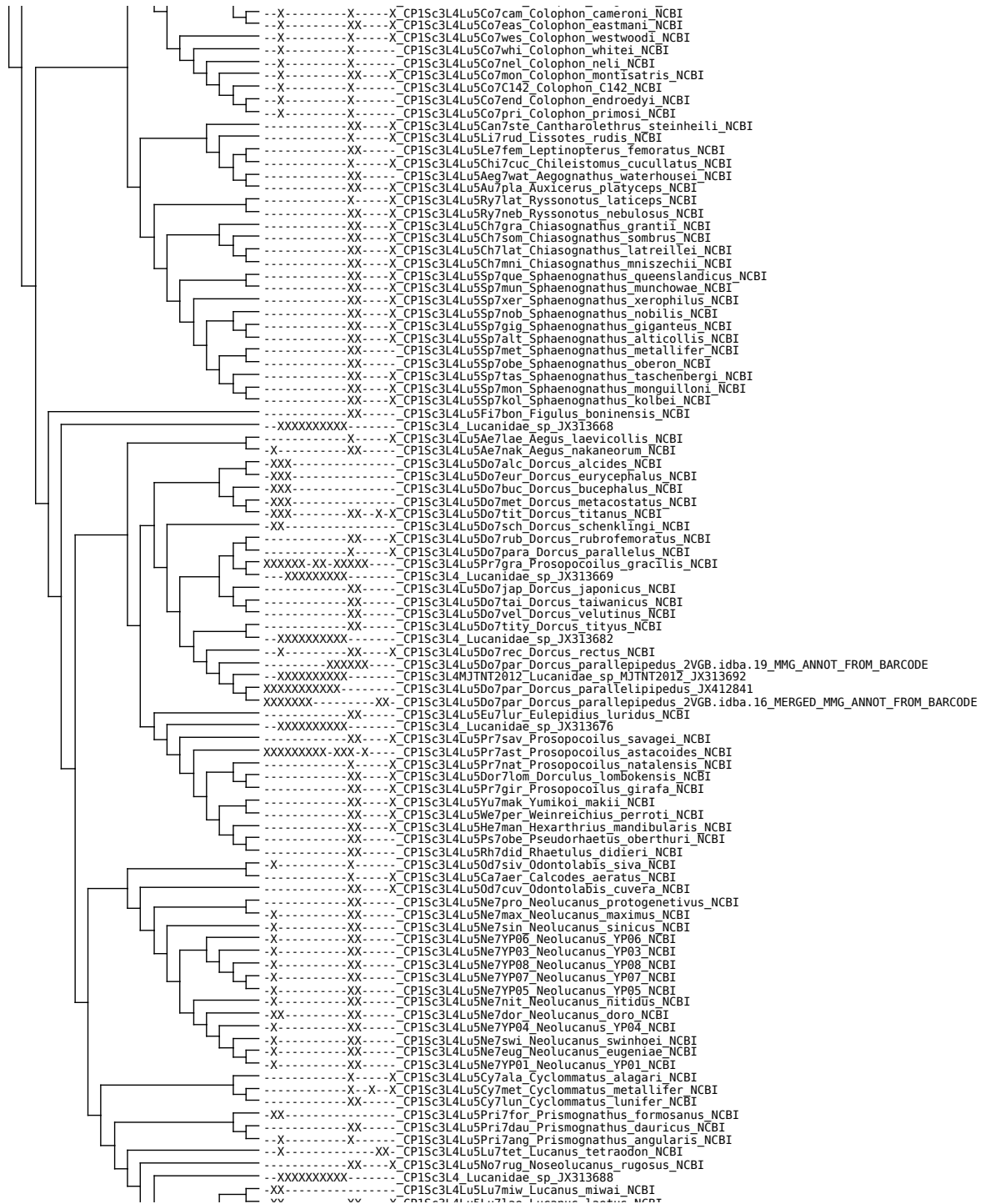


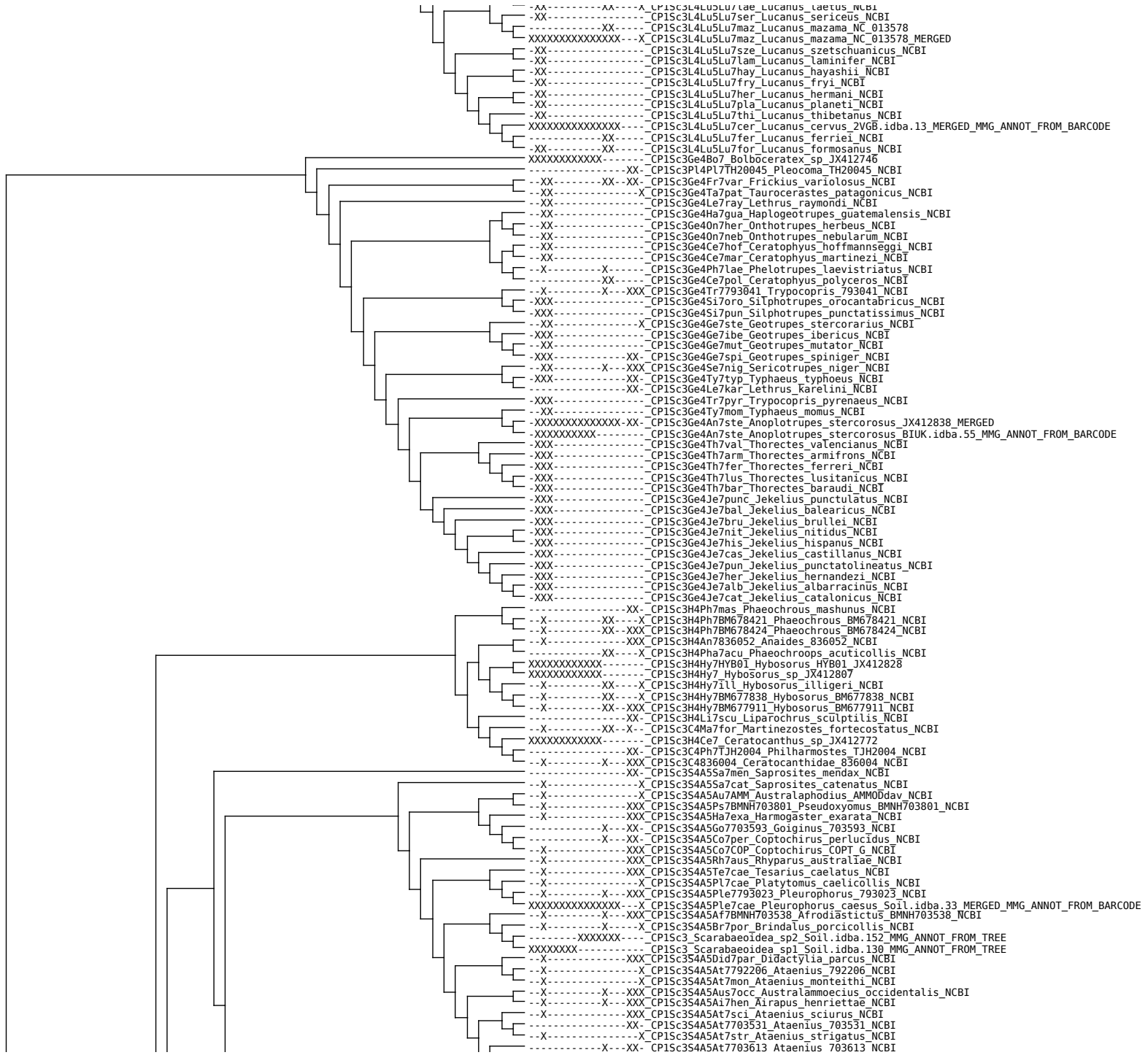
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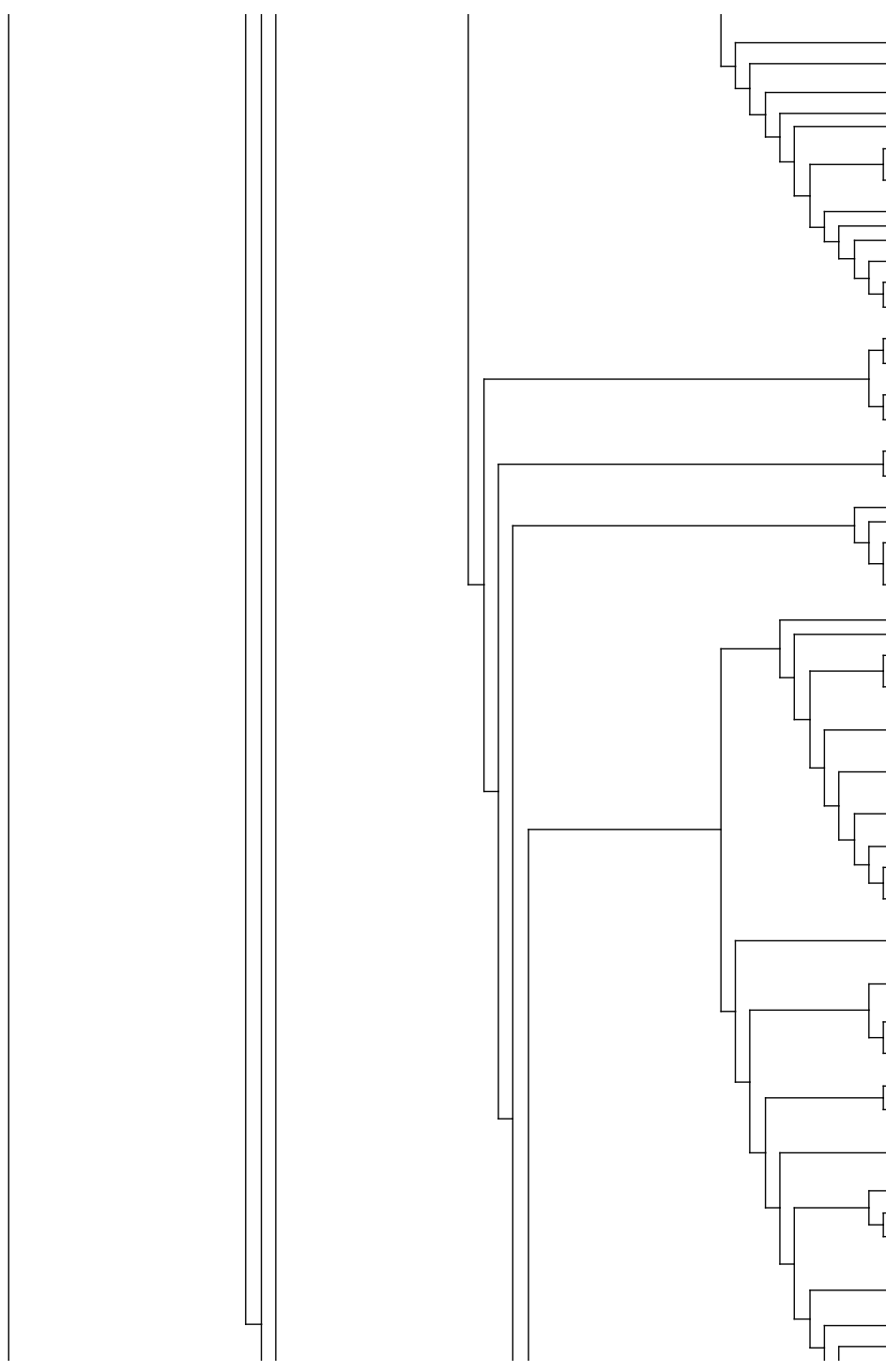








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Phylogenetic tree showing relationships between various species, primarily Helictopleurus and Onthophagus. The tree is rooted on the left and branches out to the right. Species names are listed on the right side of the tree, often followed by accession numbers or identifiers. The tree shows a clear division into two main groups: Helictopleurus (top) and Onthophagus (bottom). Within Helictopleurus, there are several sub-clades, including those with 'MTM' identifiers and those with 'He7' identifiers. Within Onthophagus, there are numerous species, many of which are grouped together with 'XXXXXX' or 'XXXXXXX' markers, indicating they are likely members of the same clade or have similar characteristics. The tree is highly detailed, showing many small branches and nodes.



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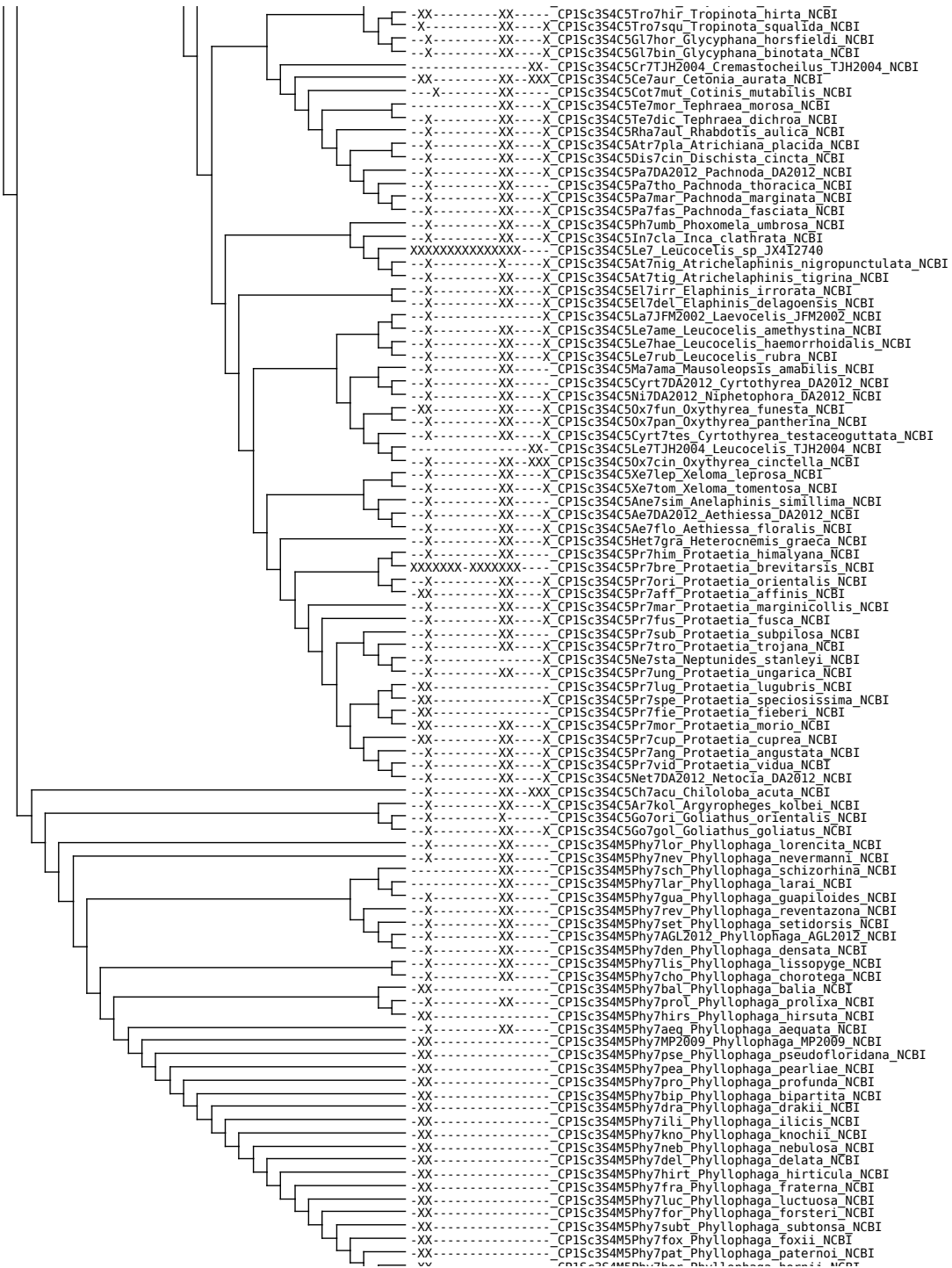
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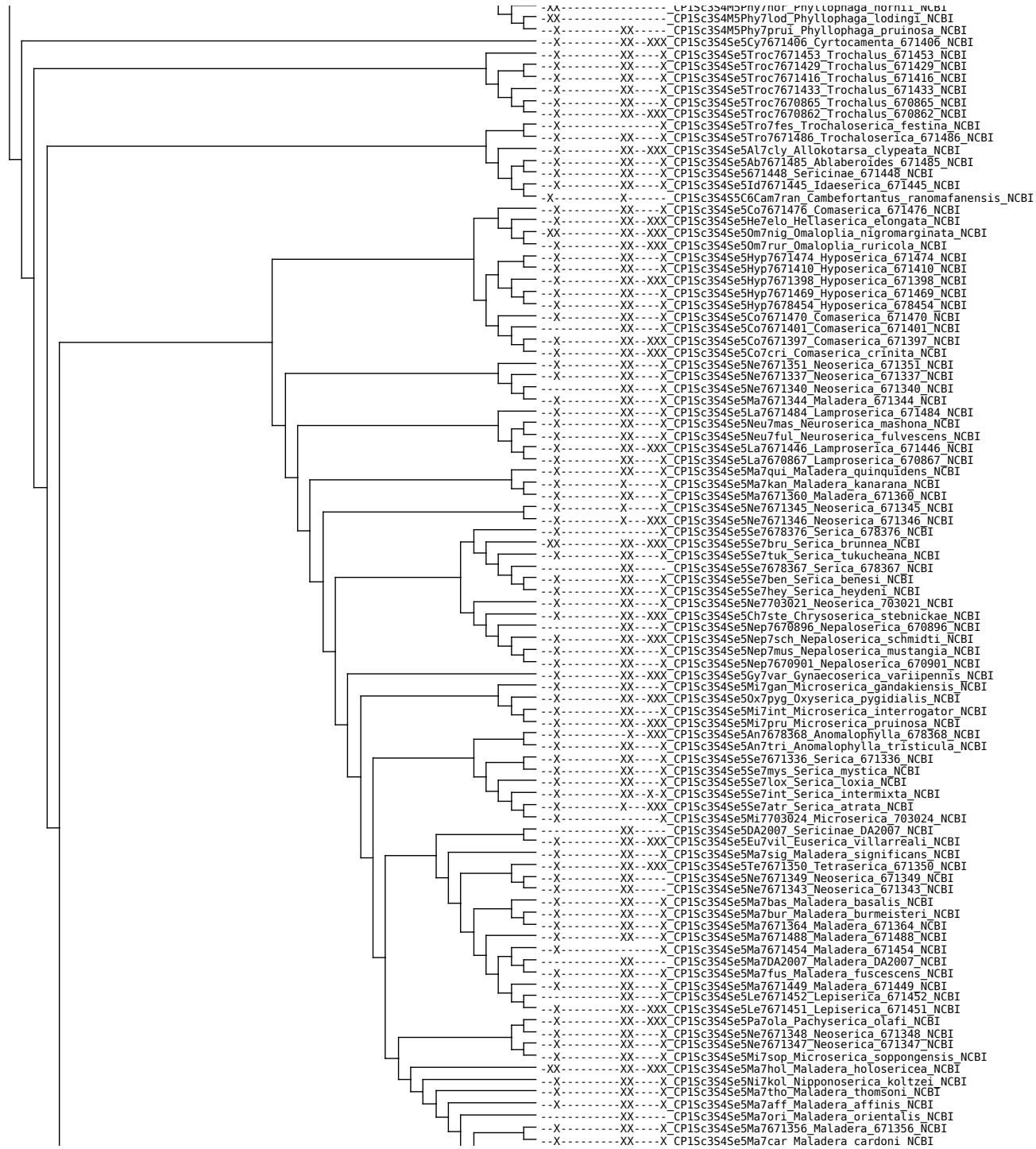


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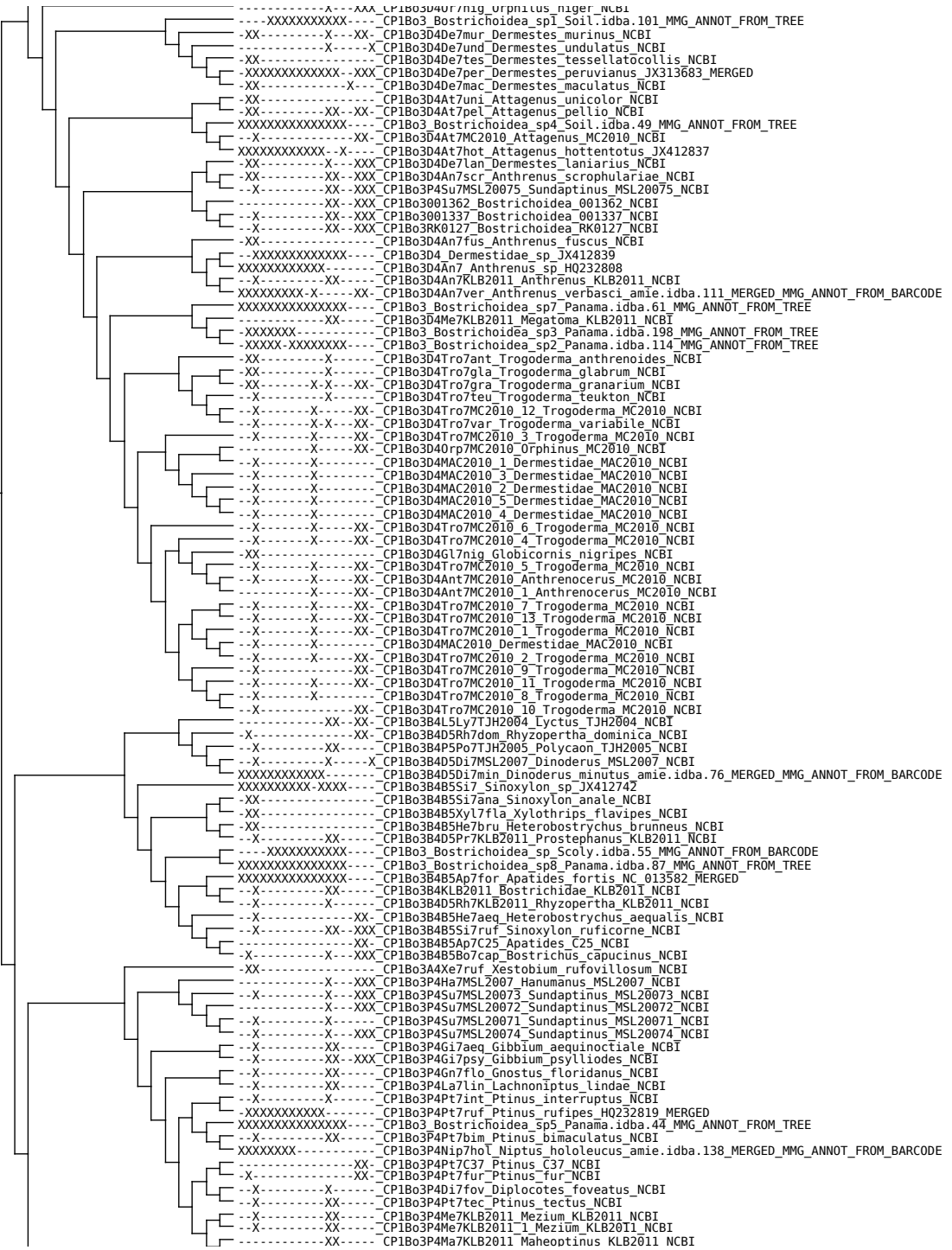
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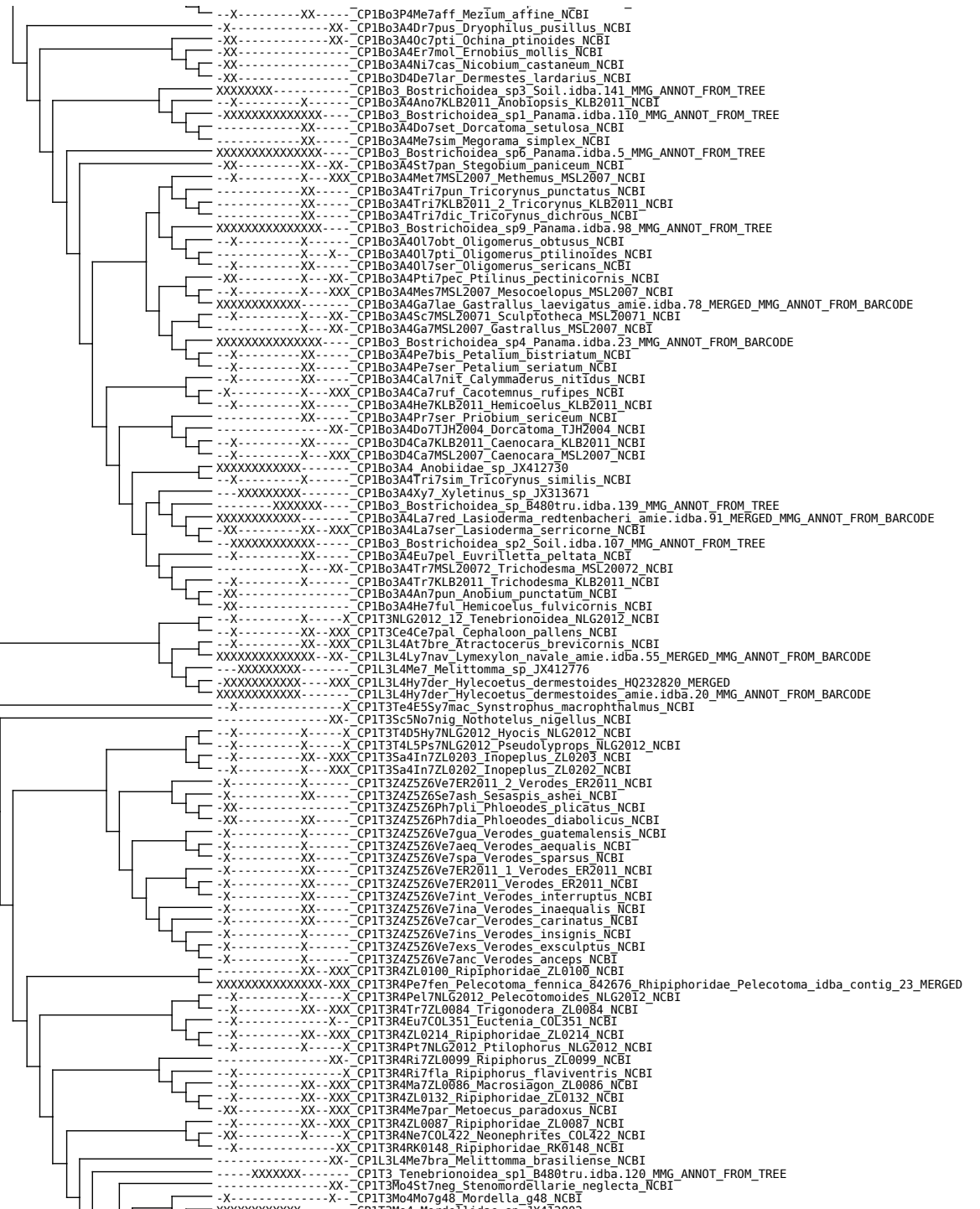












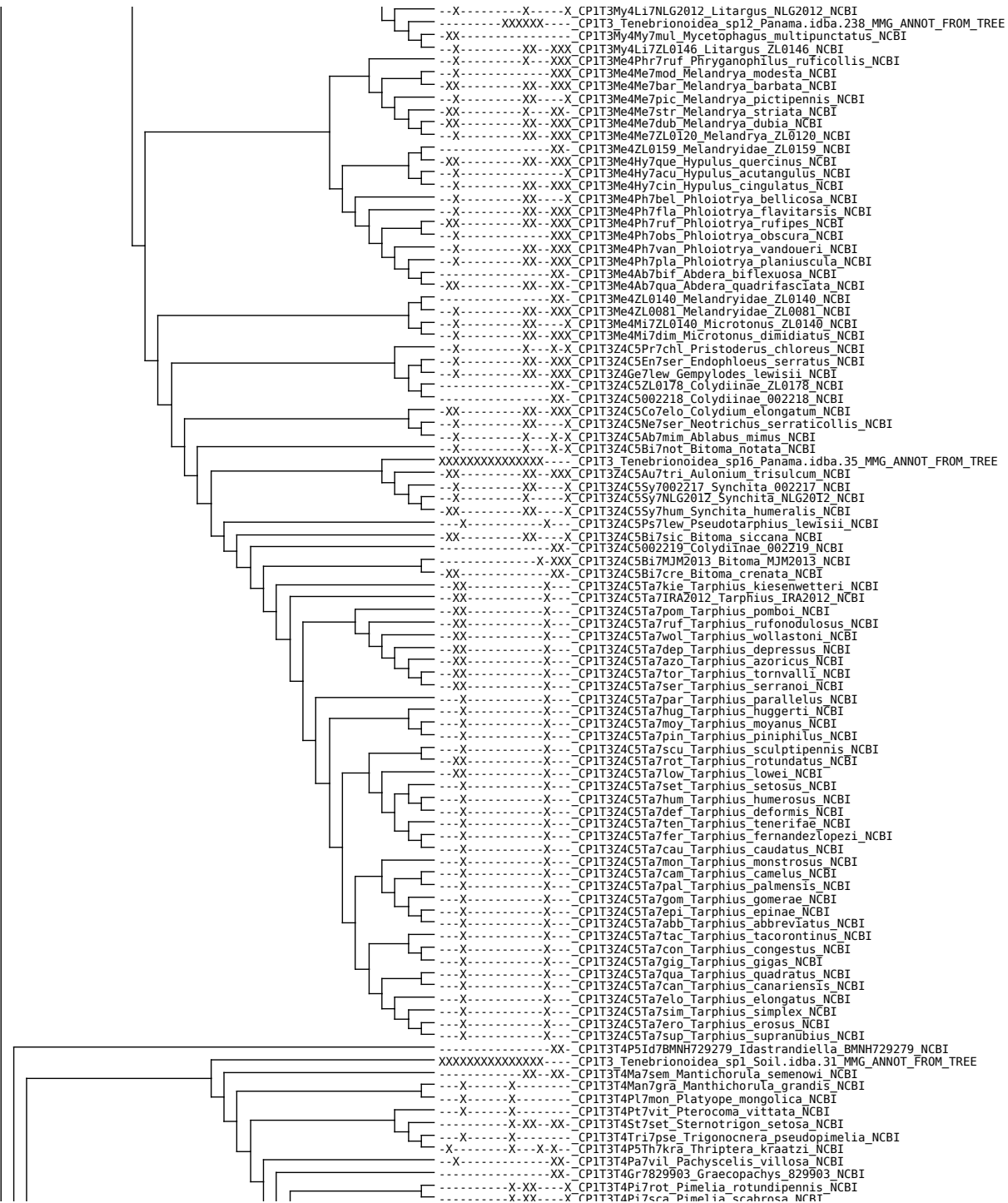






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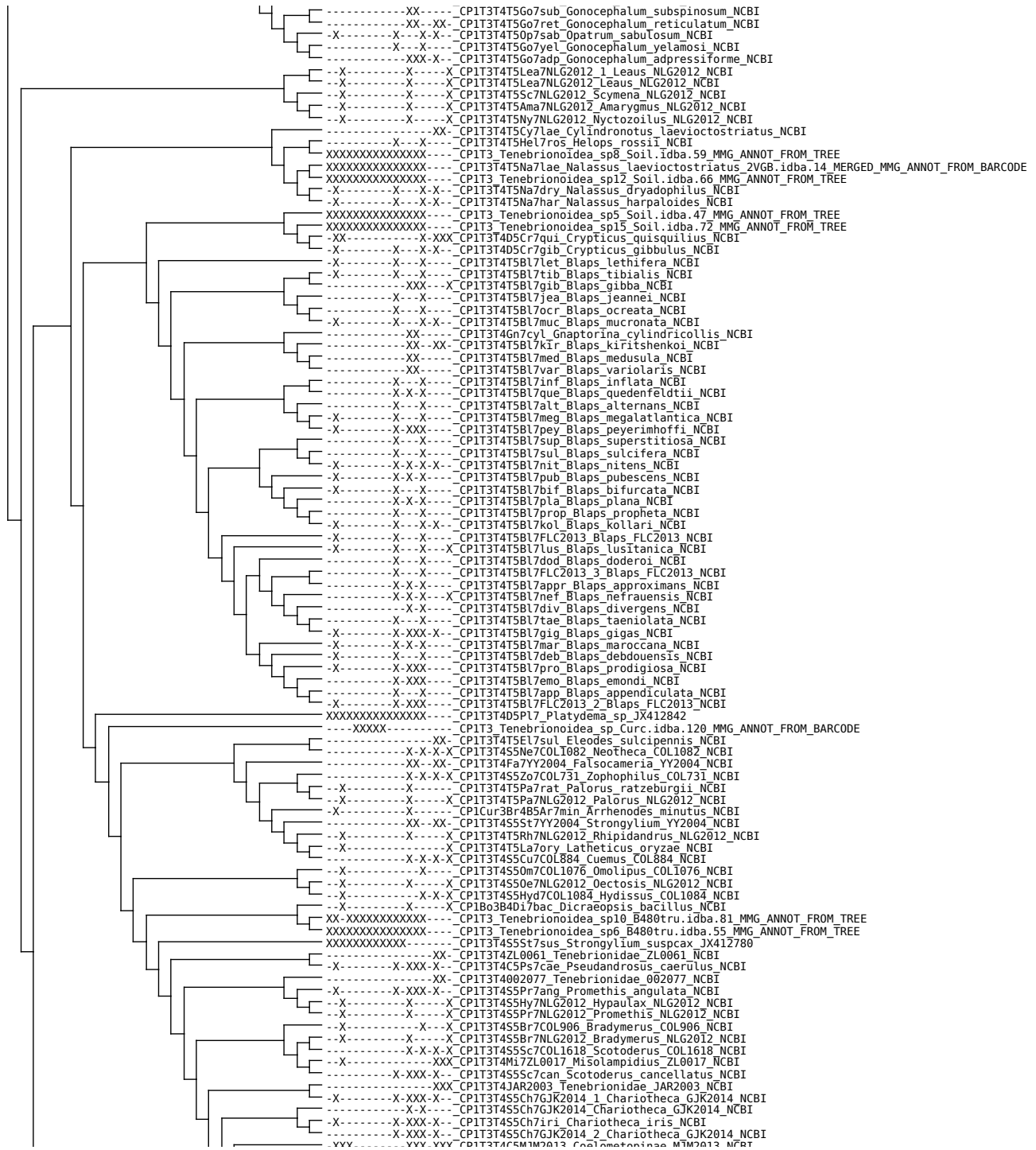
Phylogenetic tree showing relationships between various species, with labels on the right side. The tree is rooted on the left and branches out to the right. The labels include species names and accession numbers, such as CP1T3T4P17sub\_Pimelia\_subglobosa NCBI, CP1T3T4P17rug\_Pimelia\_rugosa NCBI, and CP1T3T4P5Le7col\_Leptoderis\_collaris NCBI. The tree is annotated with 'X' and 'XX' characters at the tips of the branches, indicating specific characteristics or support values. The species names are listed in a column on the right, with some names truncated or partially obscured by the tree's structure. The tree shows a complex branching pattern, with many species clustered together and others more distinct. The labels are aligned to the right of the tree, and the tree itself is drawn with thin black lines. The overall layout is a standard phylogenetic tree representation.



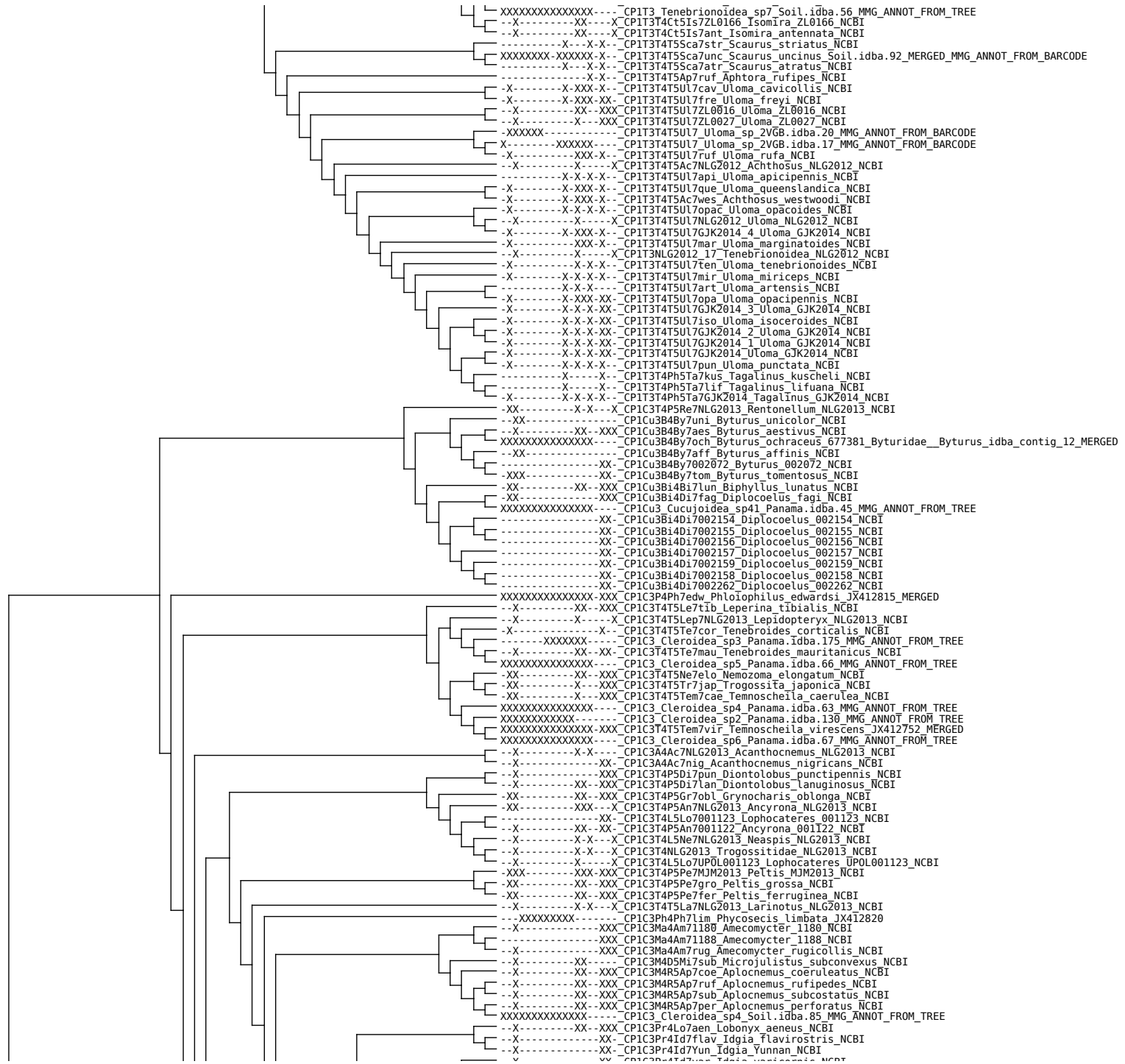
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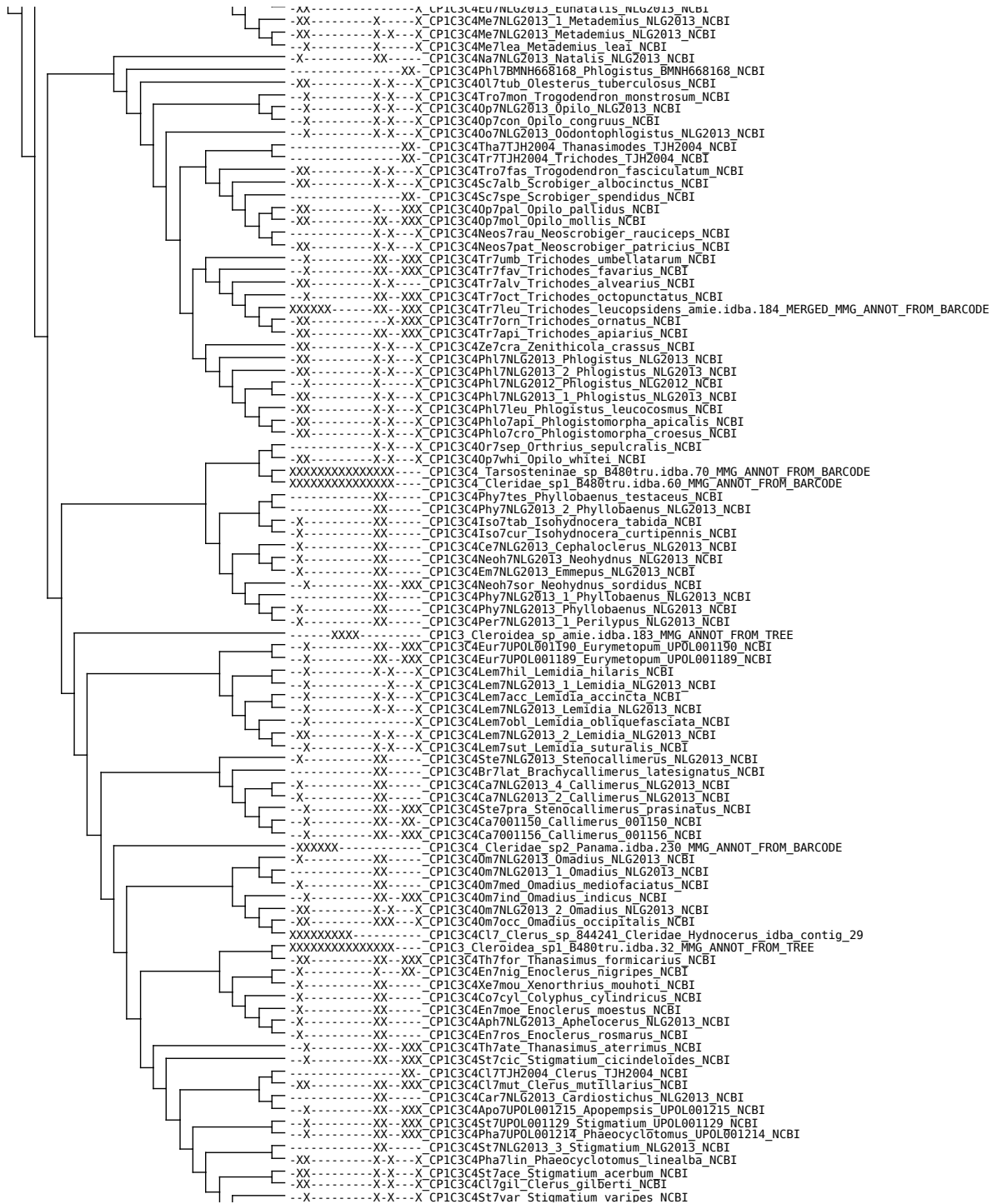






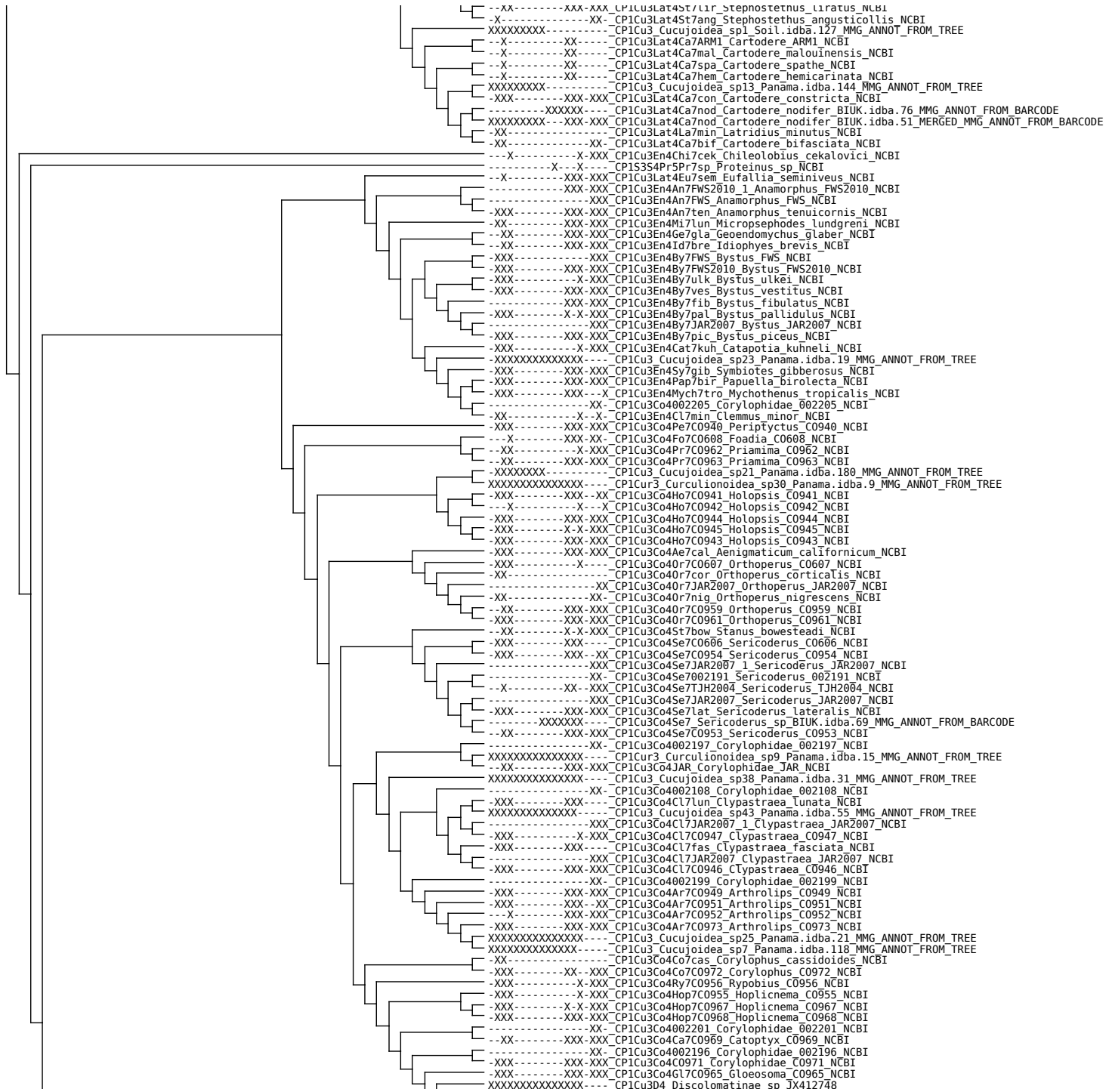


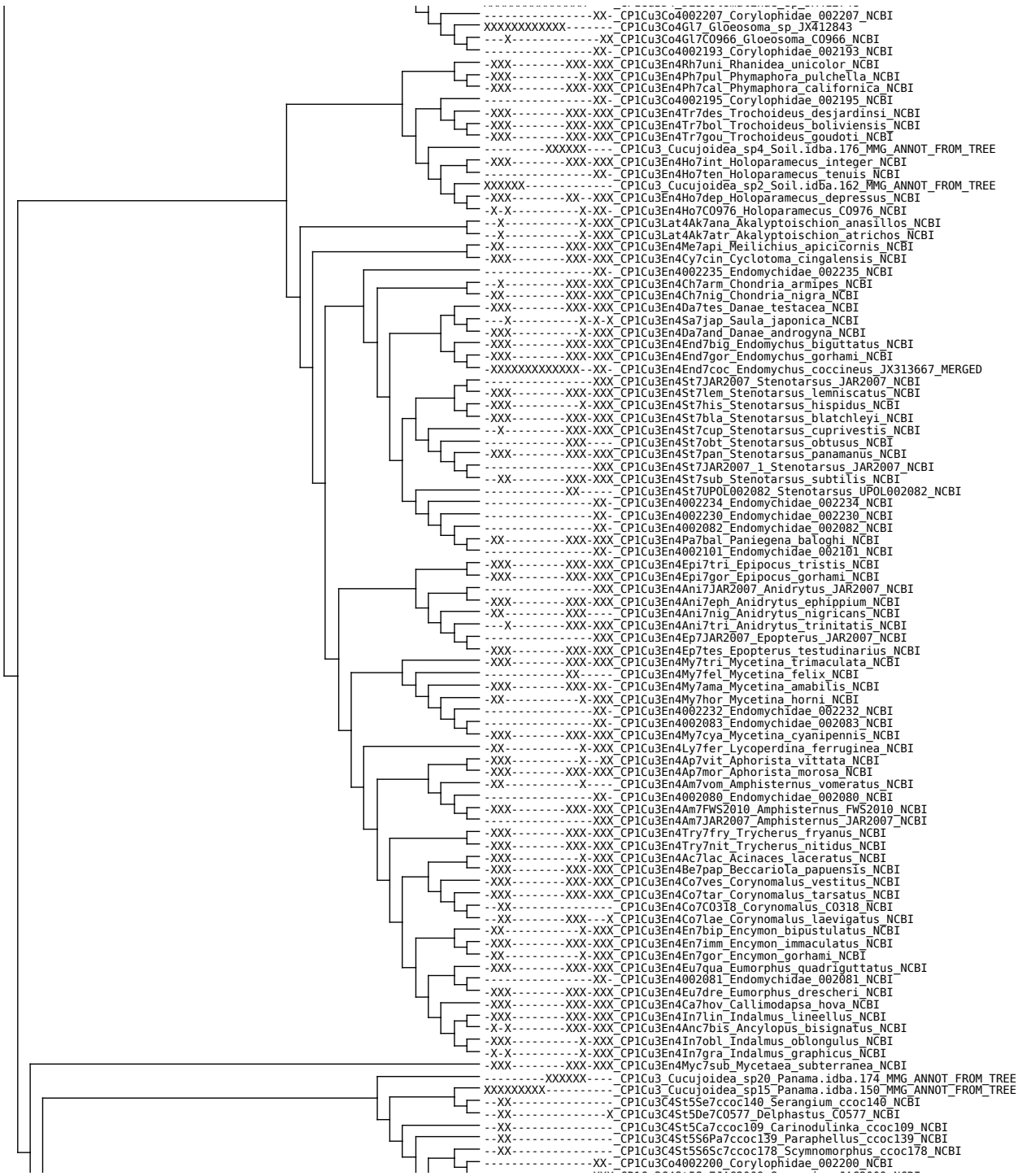
















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-----XX- CP1Cu3C4St5Ch7AGNM04 Chilocorellus AGNM04 NCBI  
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-----XX- CP1Cu3C4Co5Po7ccoc088 Poorani\_ccoc088 NCBI  
-----XX- CP1Cu3C4Ch5C6Ex7nig Exochomus nigropictus NCBI  
-----XX- CP1Cu3C4Ch5C6Ex7ccoc214 Exochomus\_ccoc214 NCBI  
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-----XX- CP1Cu3C4Ch5C6Ha7cha Halmus chalybaeus NCBI  
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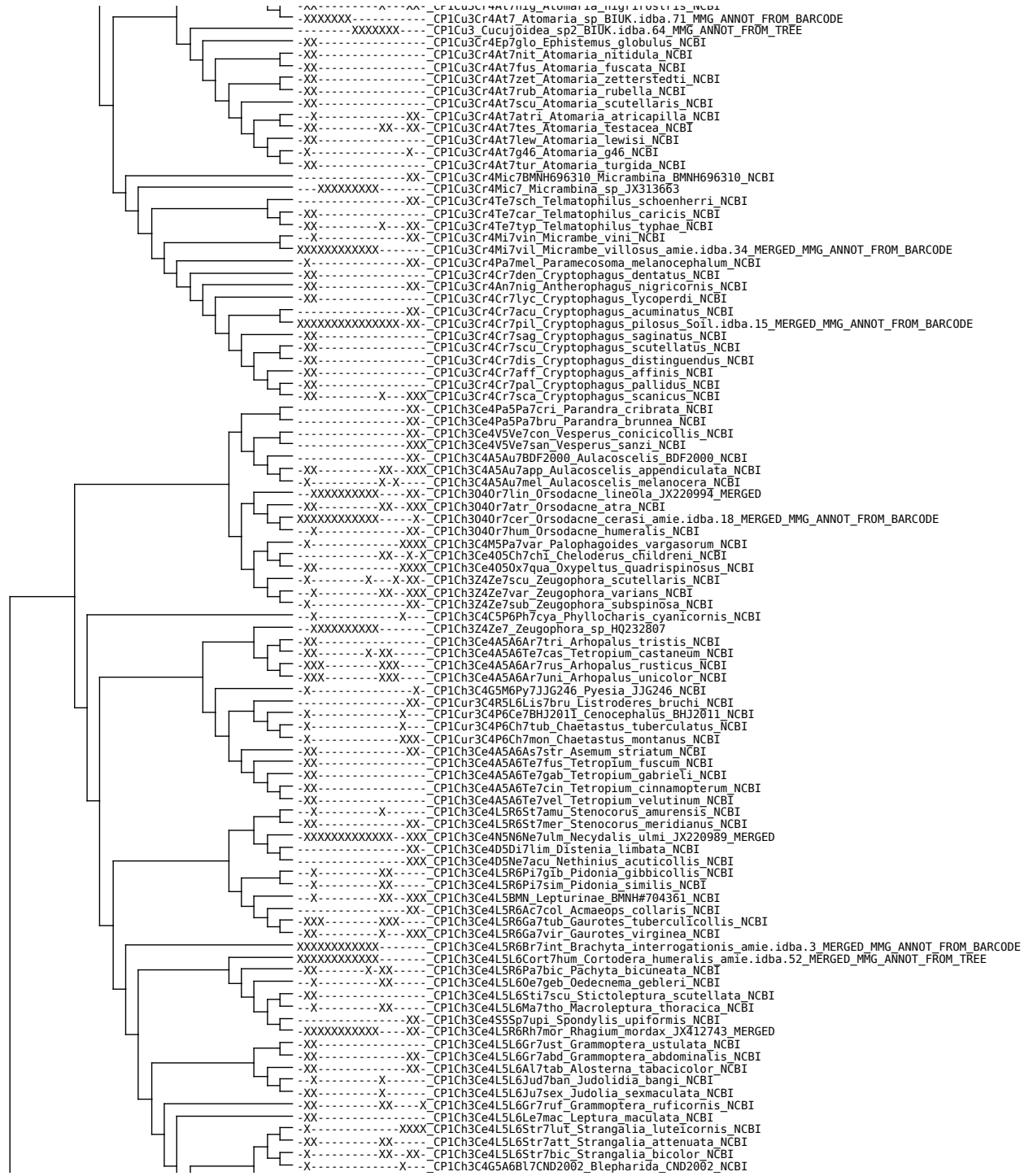


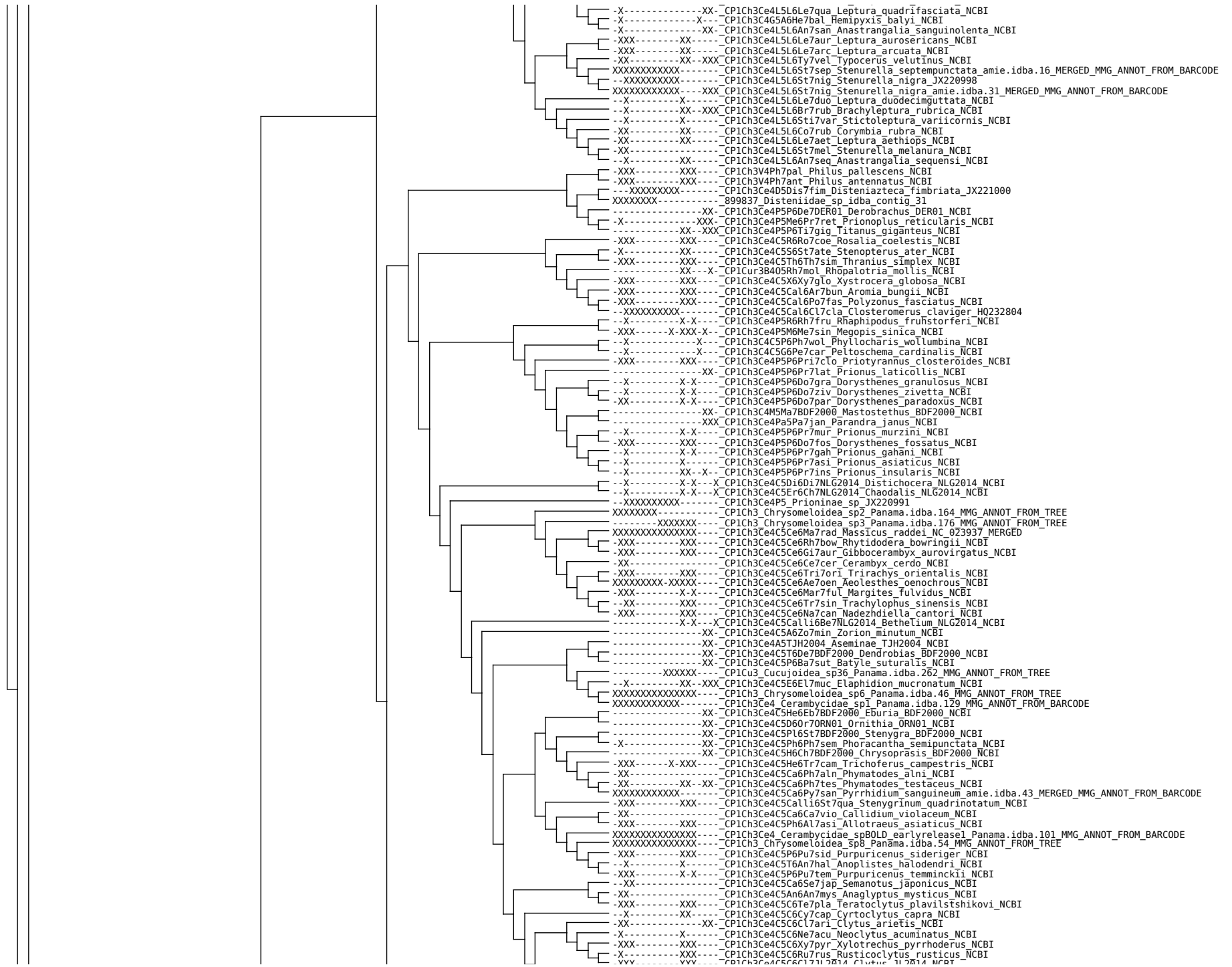
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-----XX-CP1Cu3N4C5Ca7hem Carpophilus hemipterus\_NCB1  
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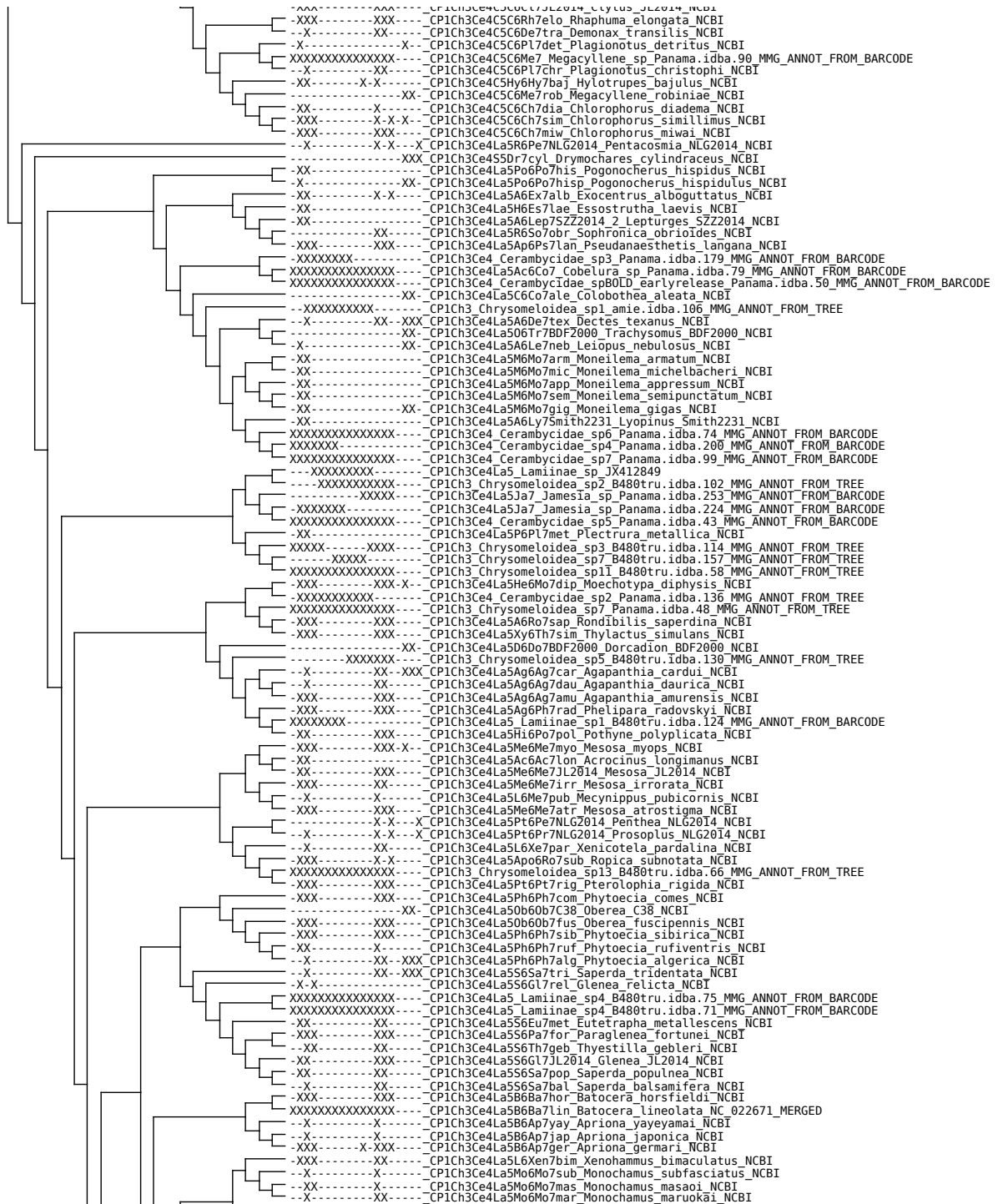




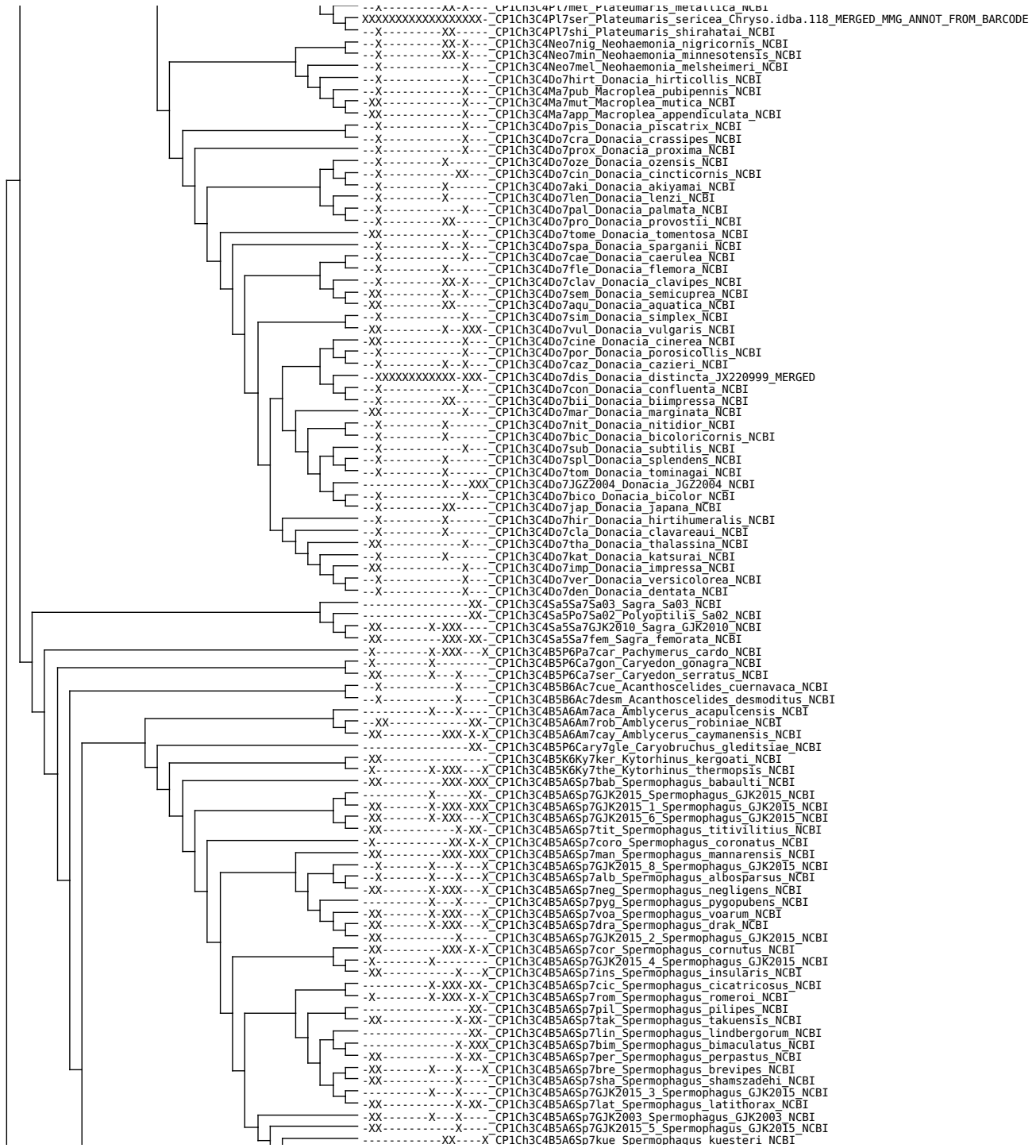


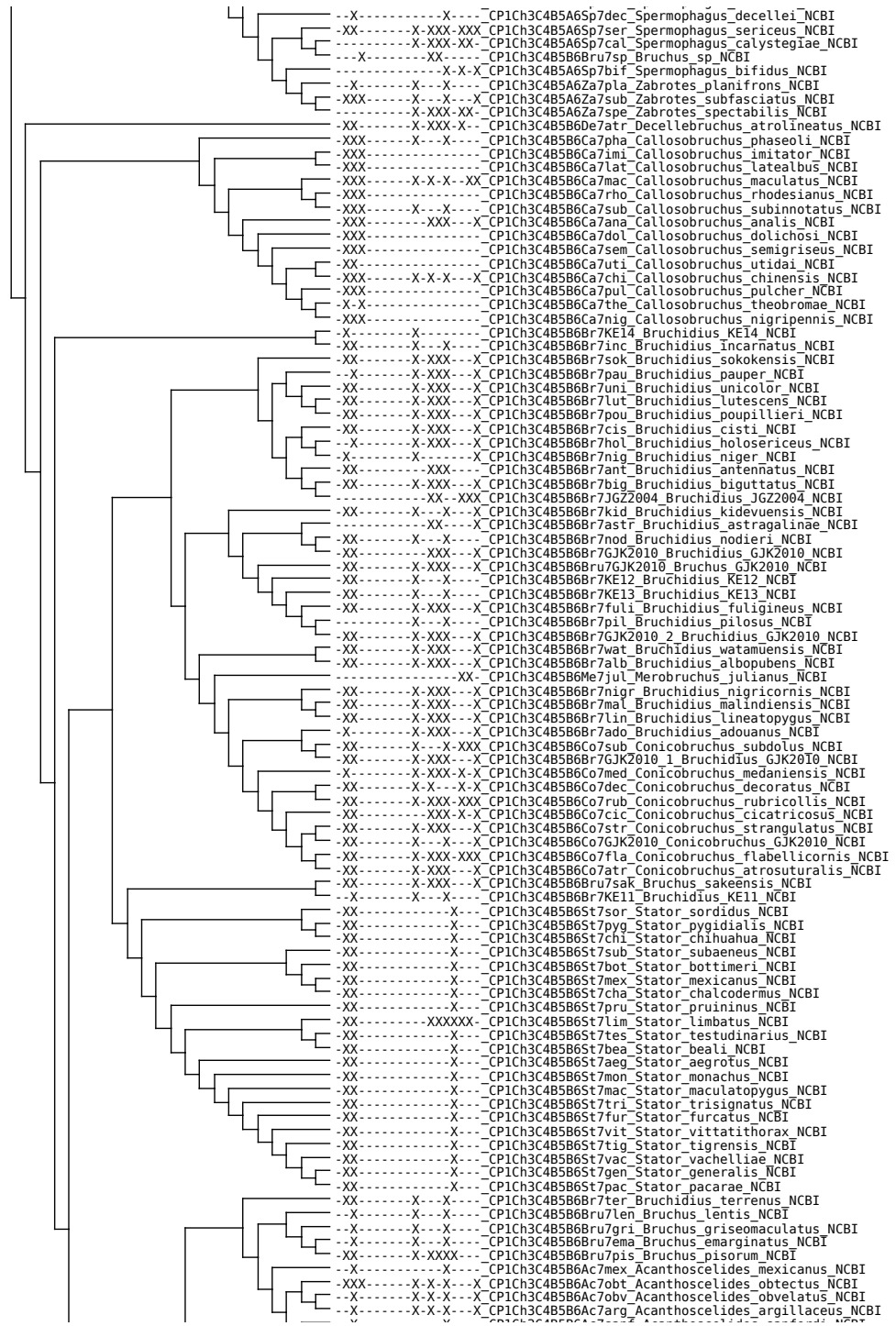


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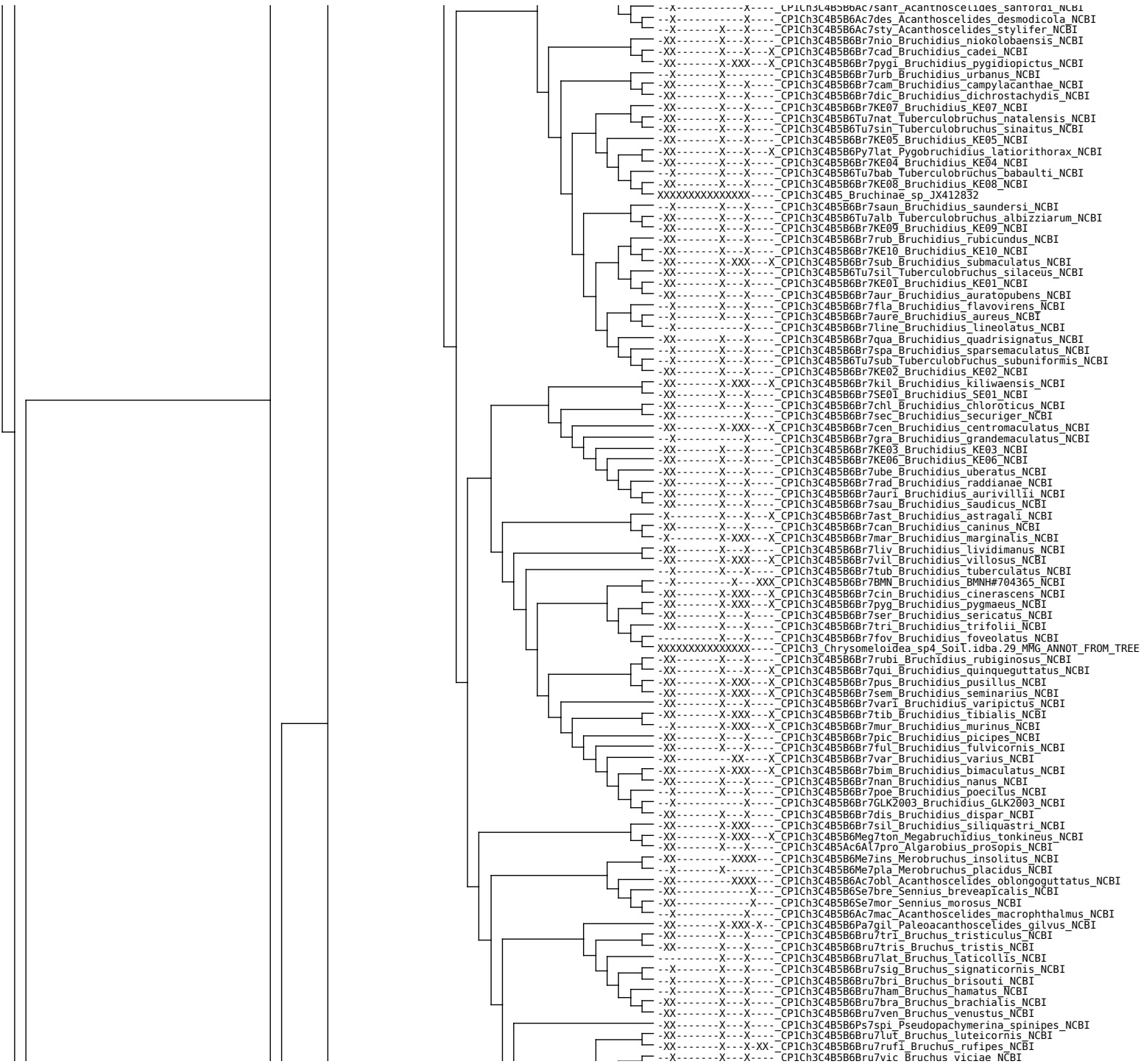




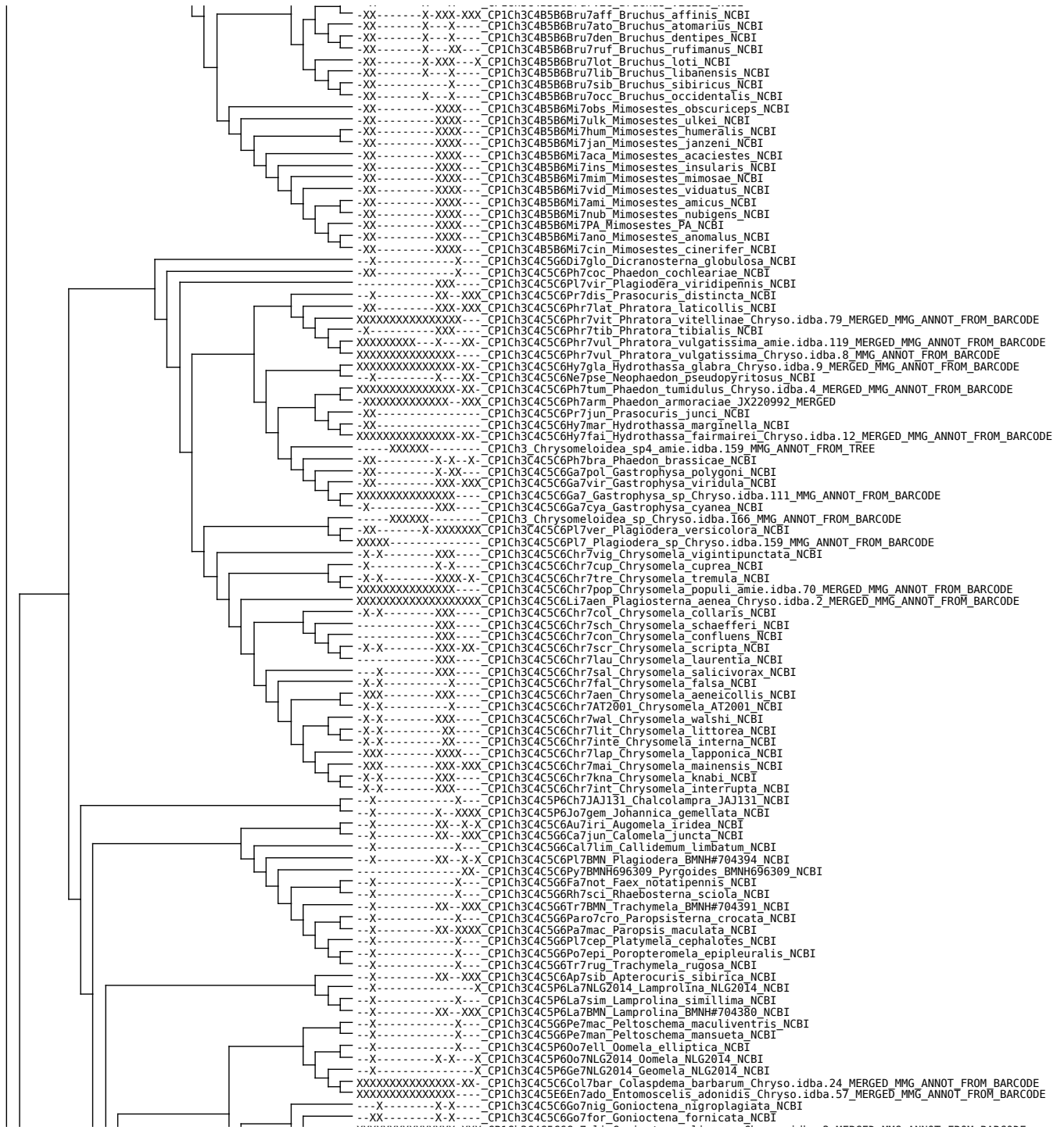




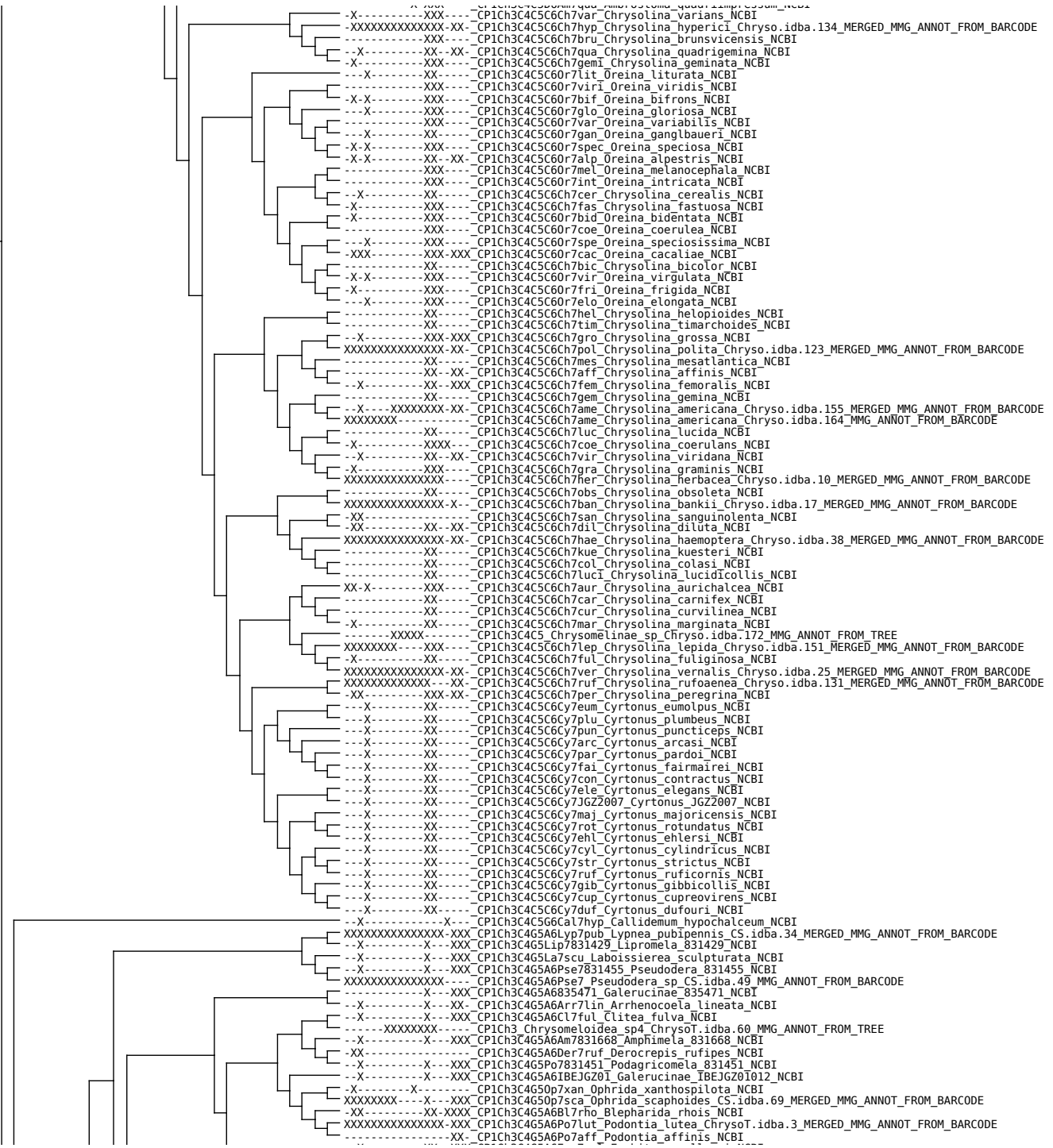
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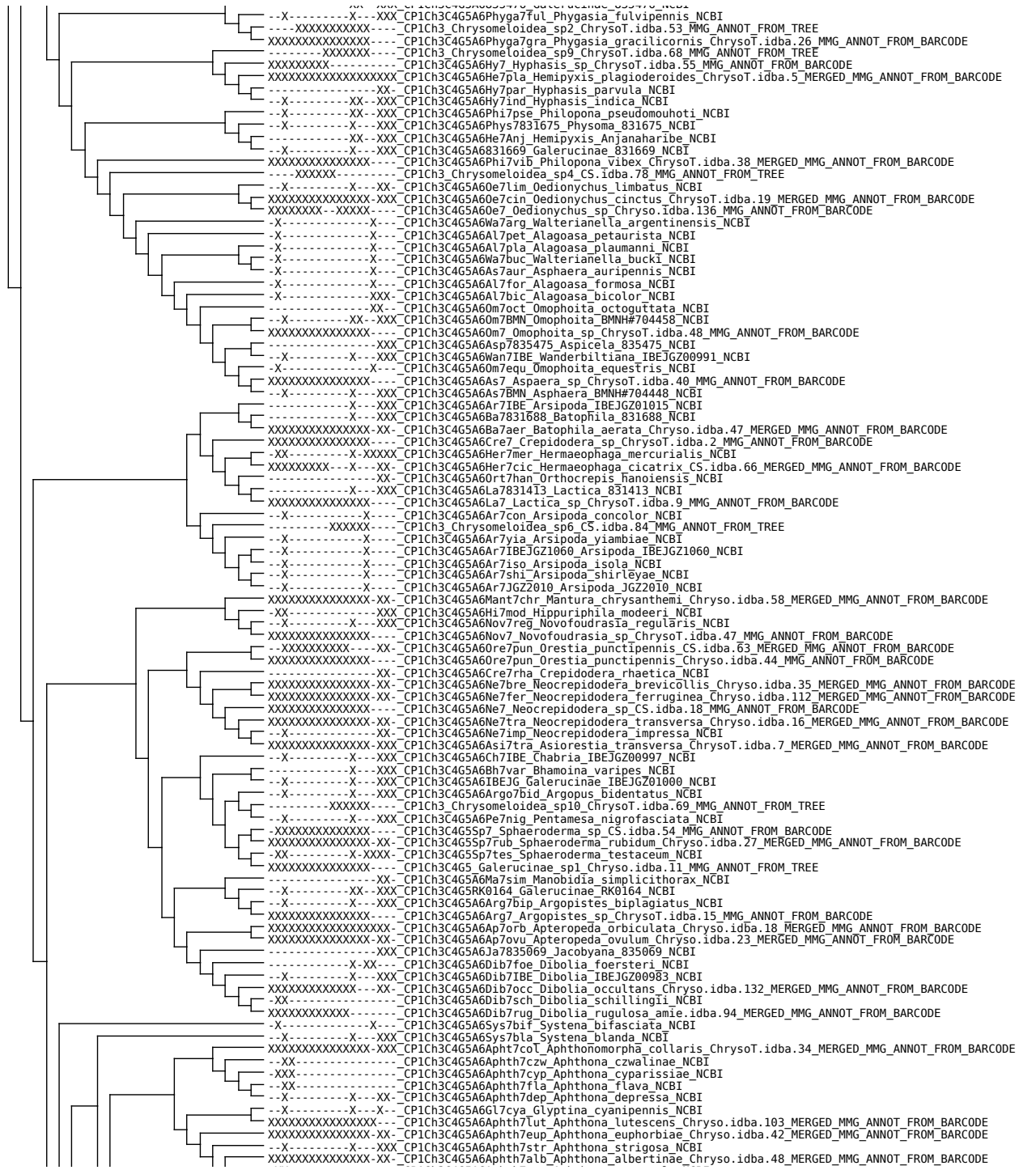






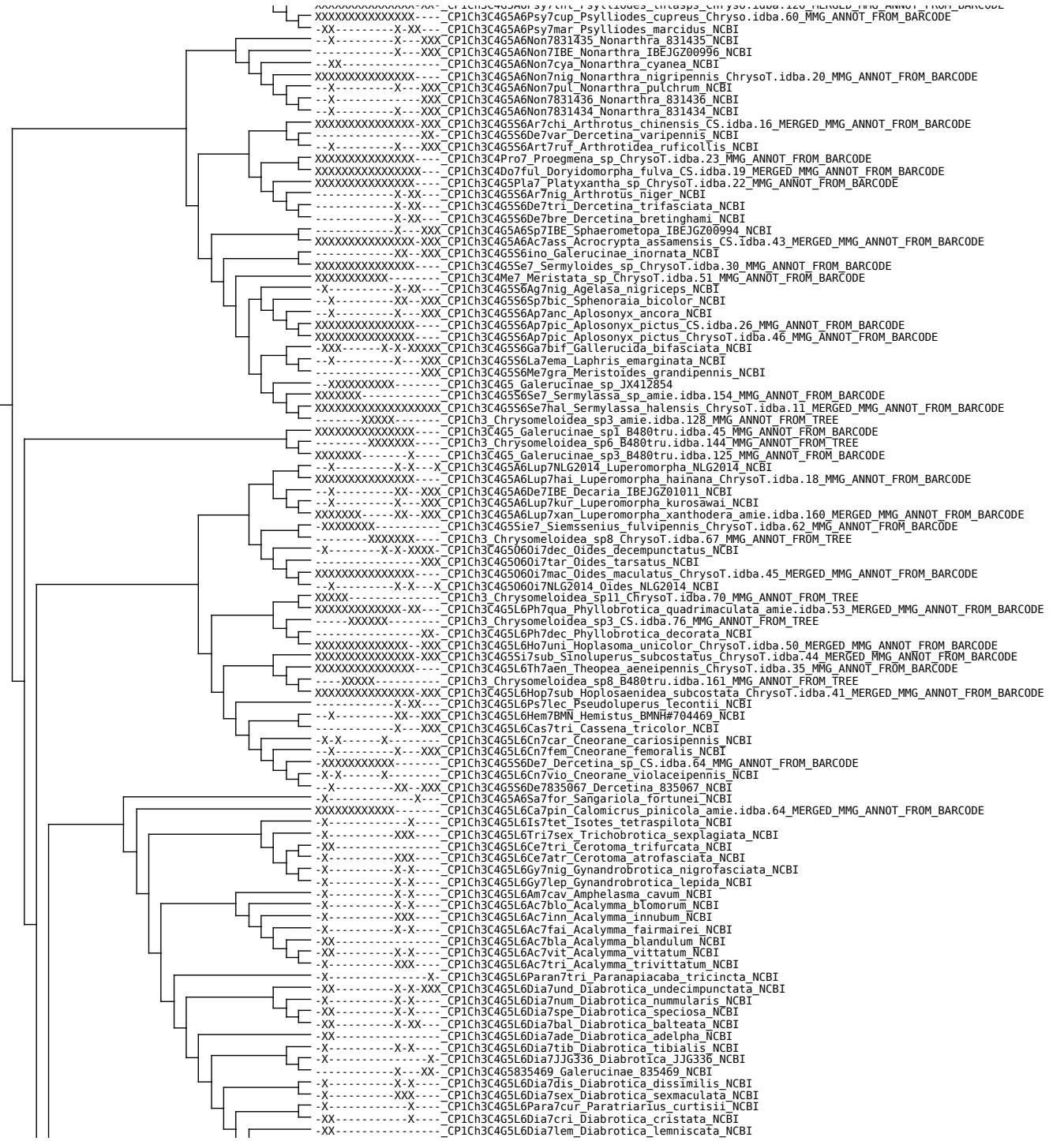


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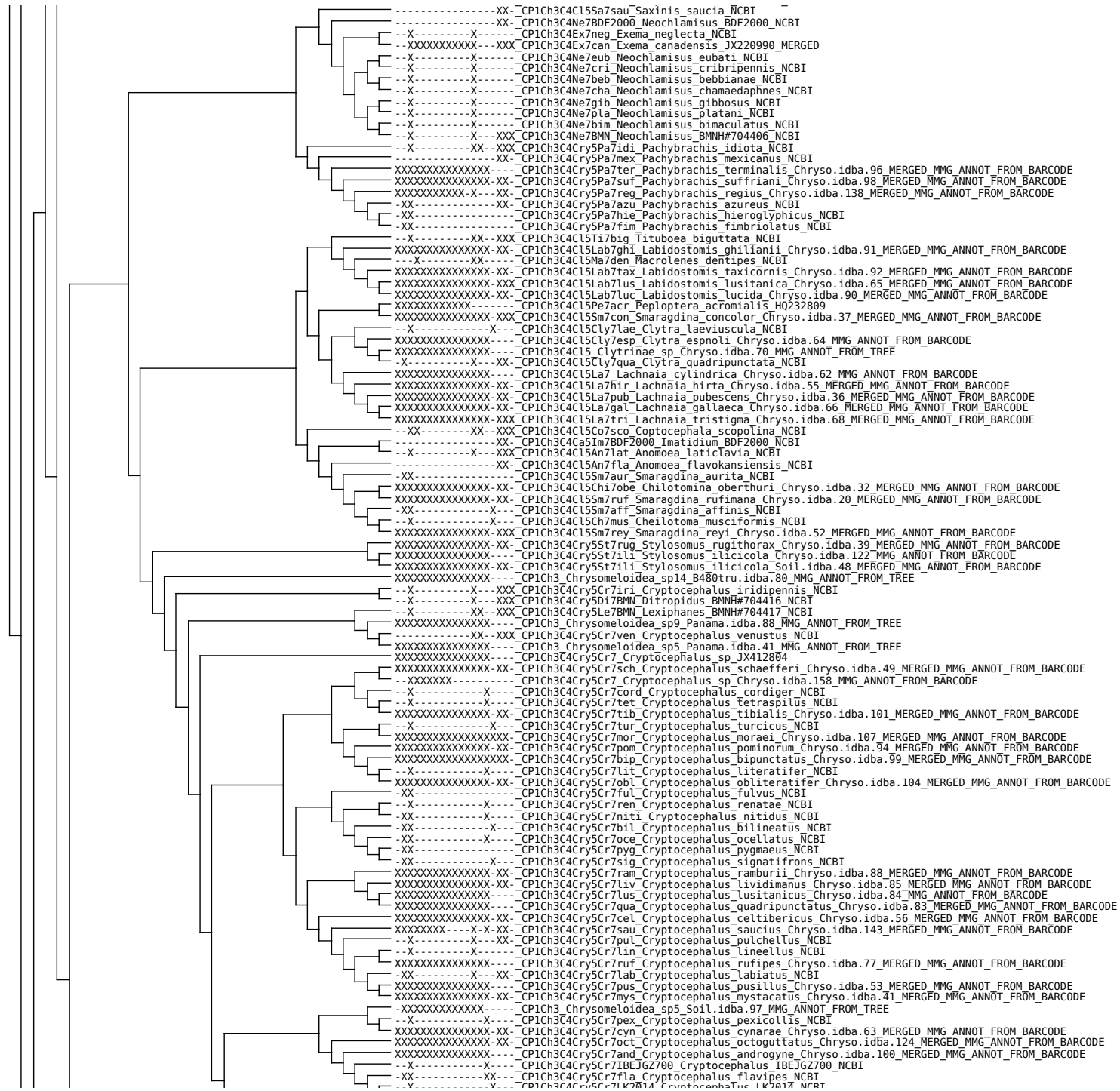


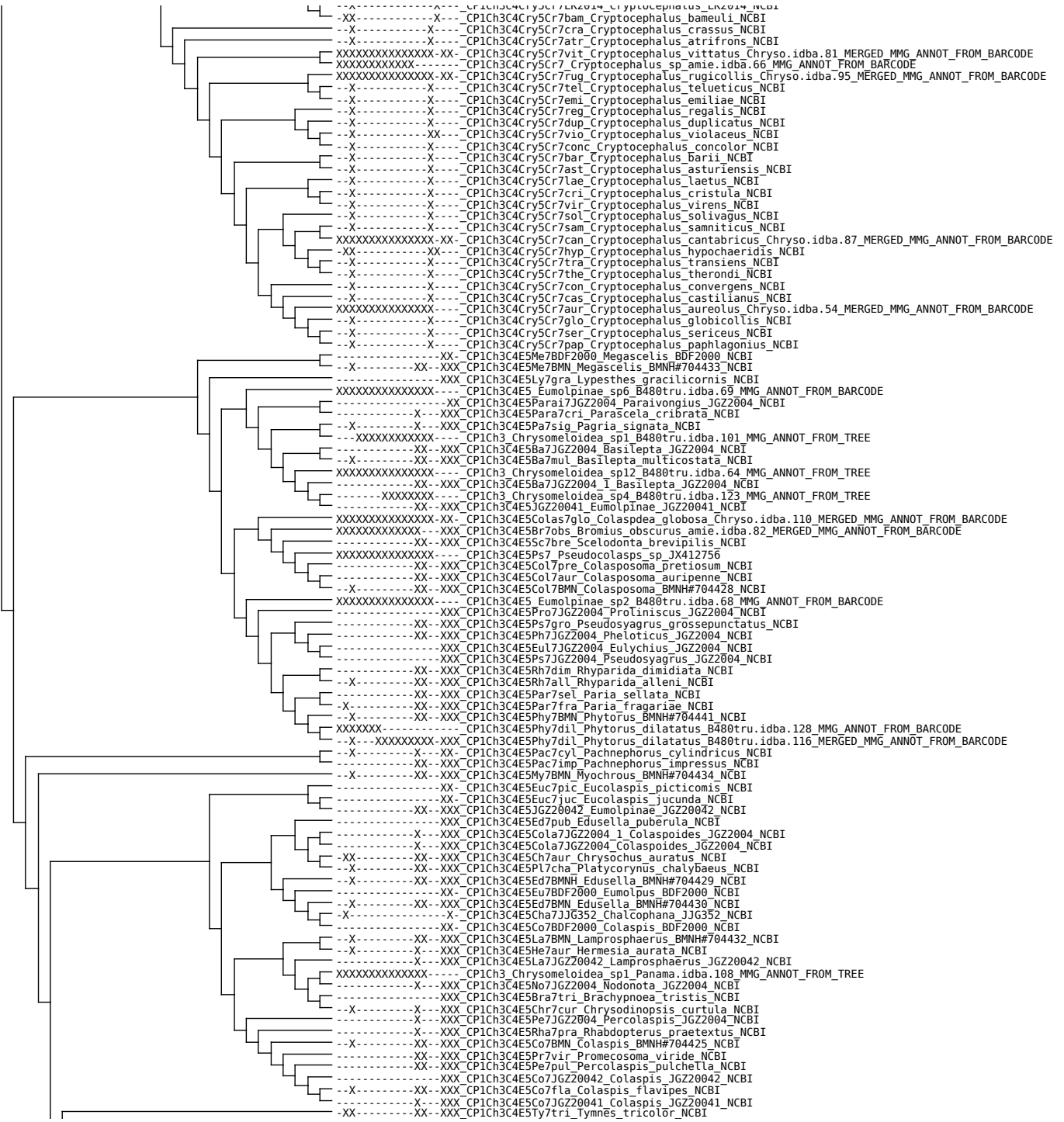


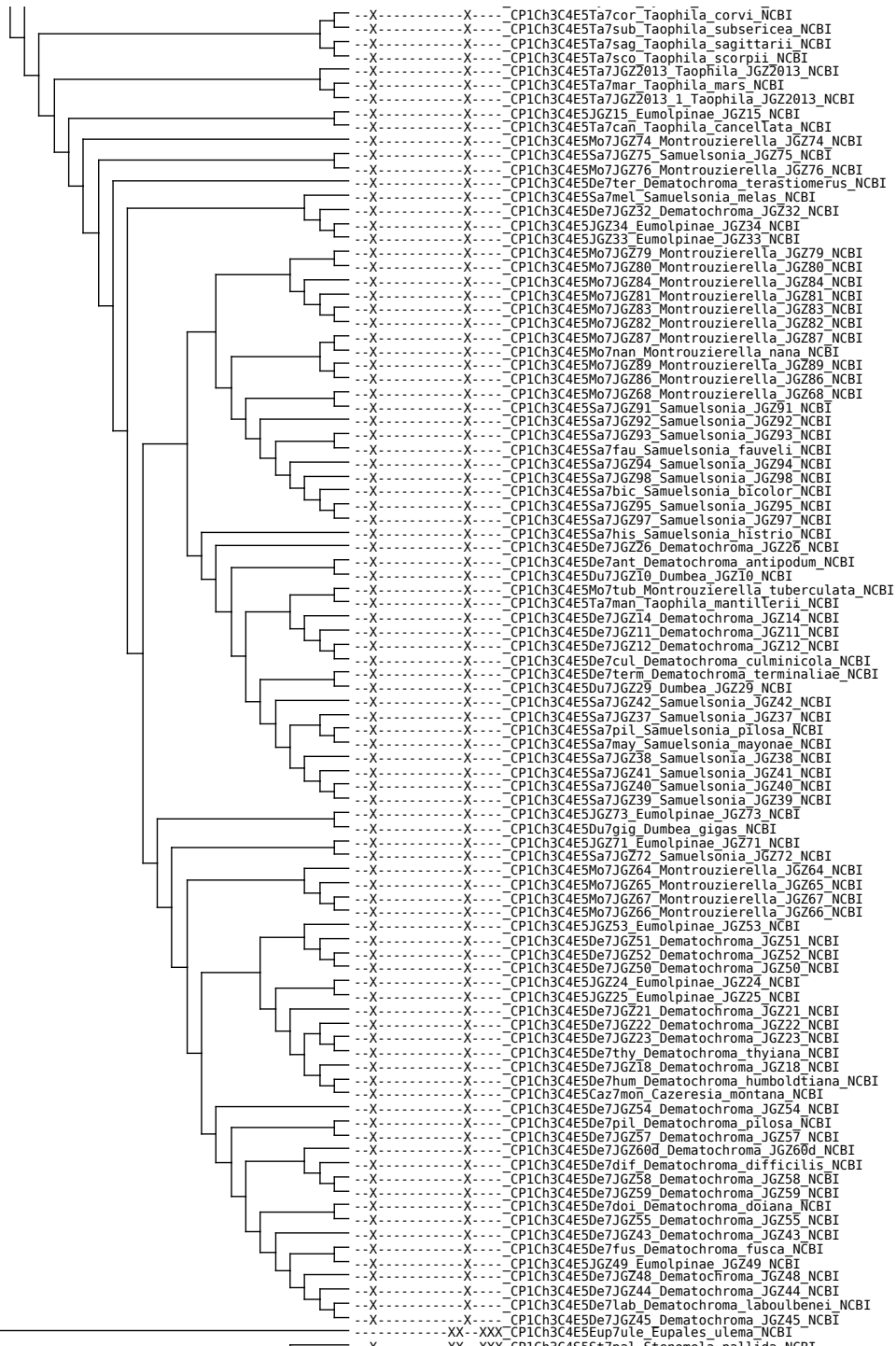


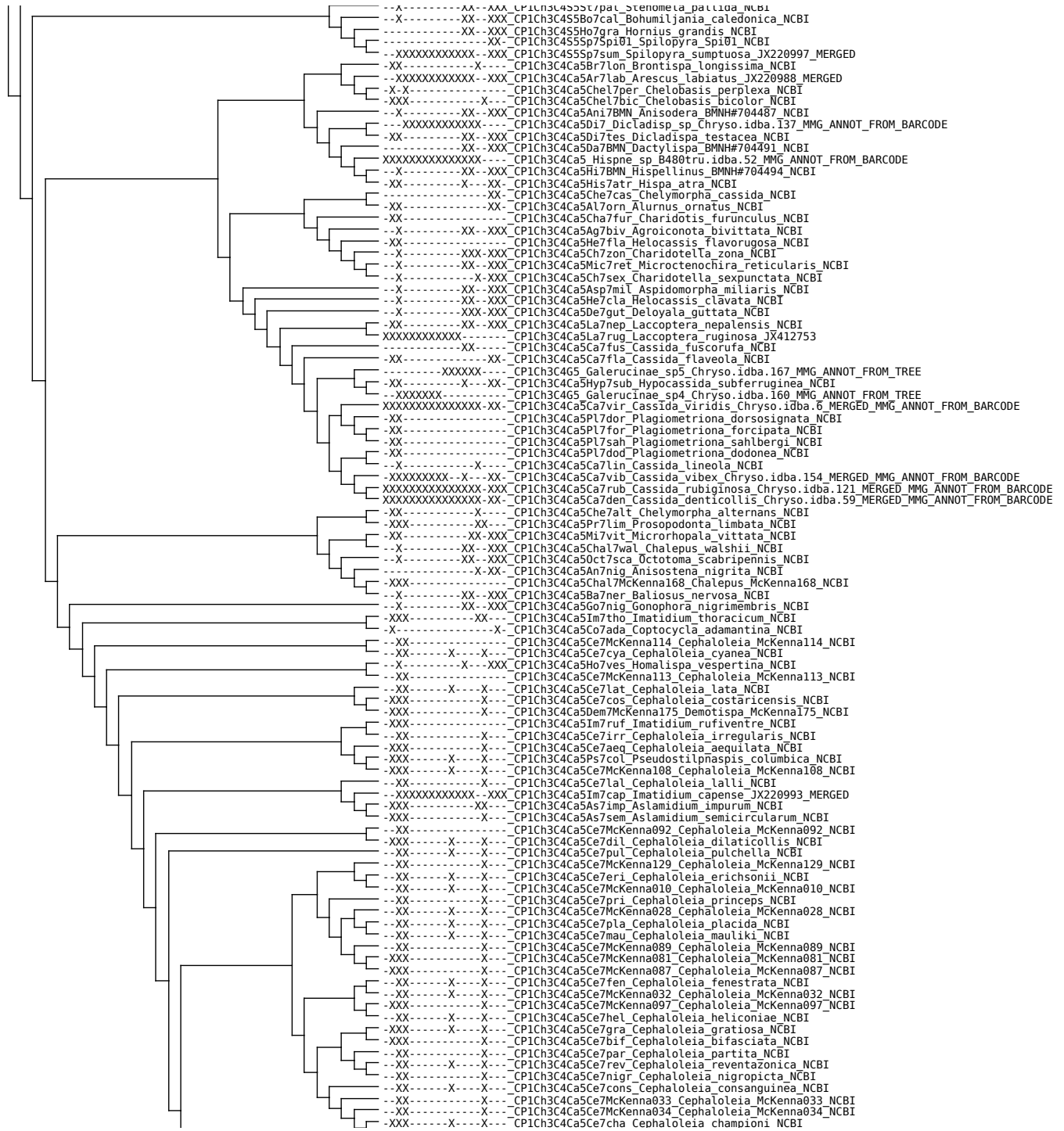




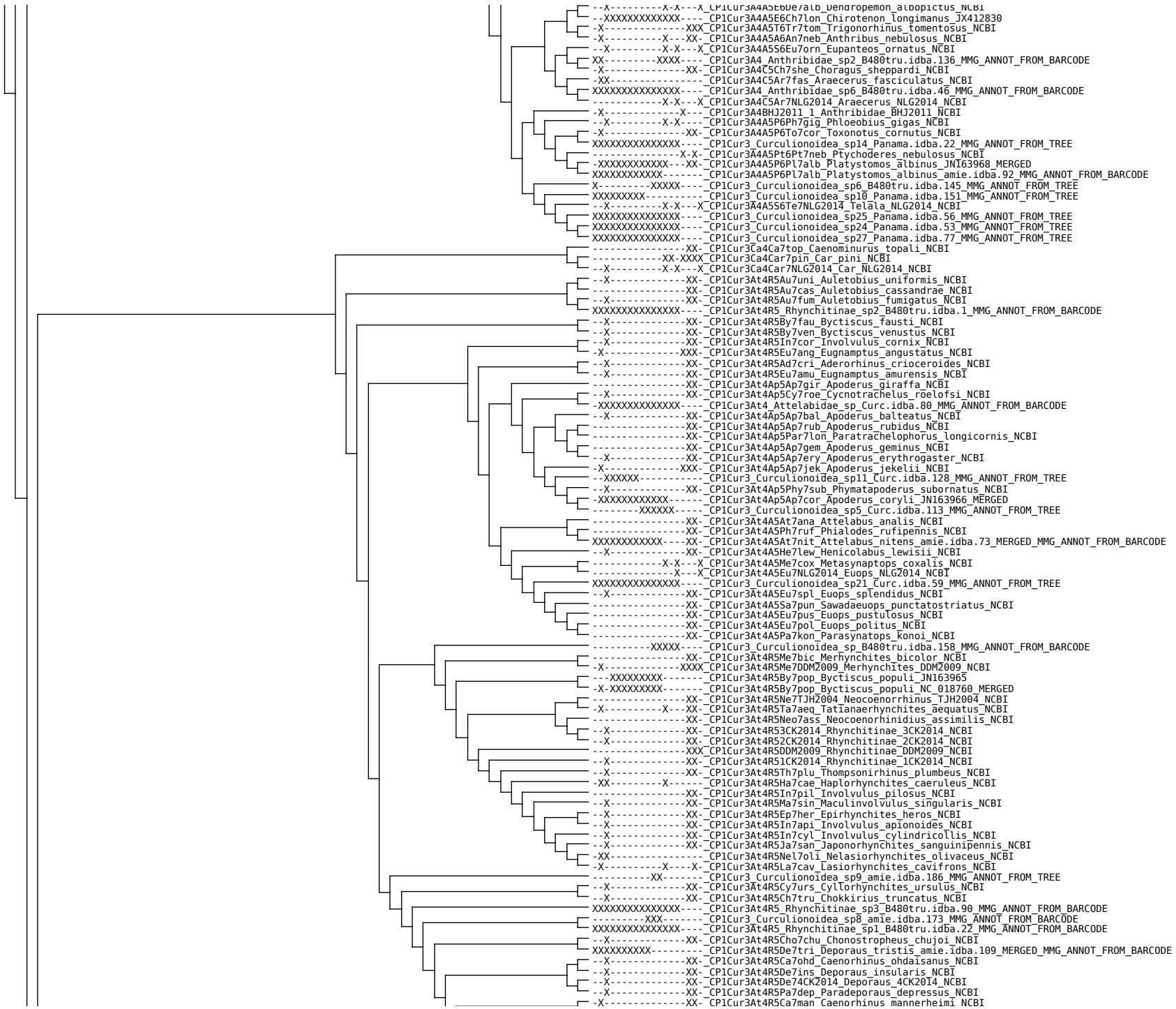


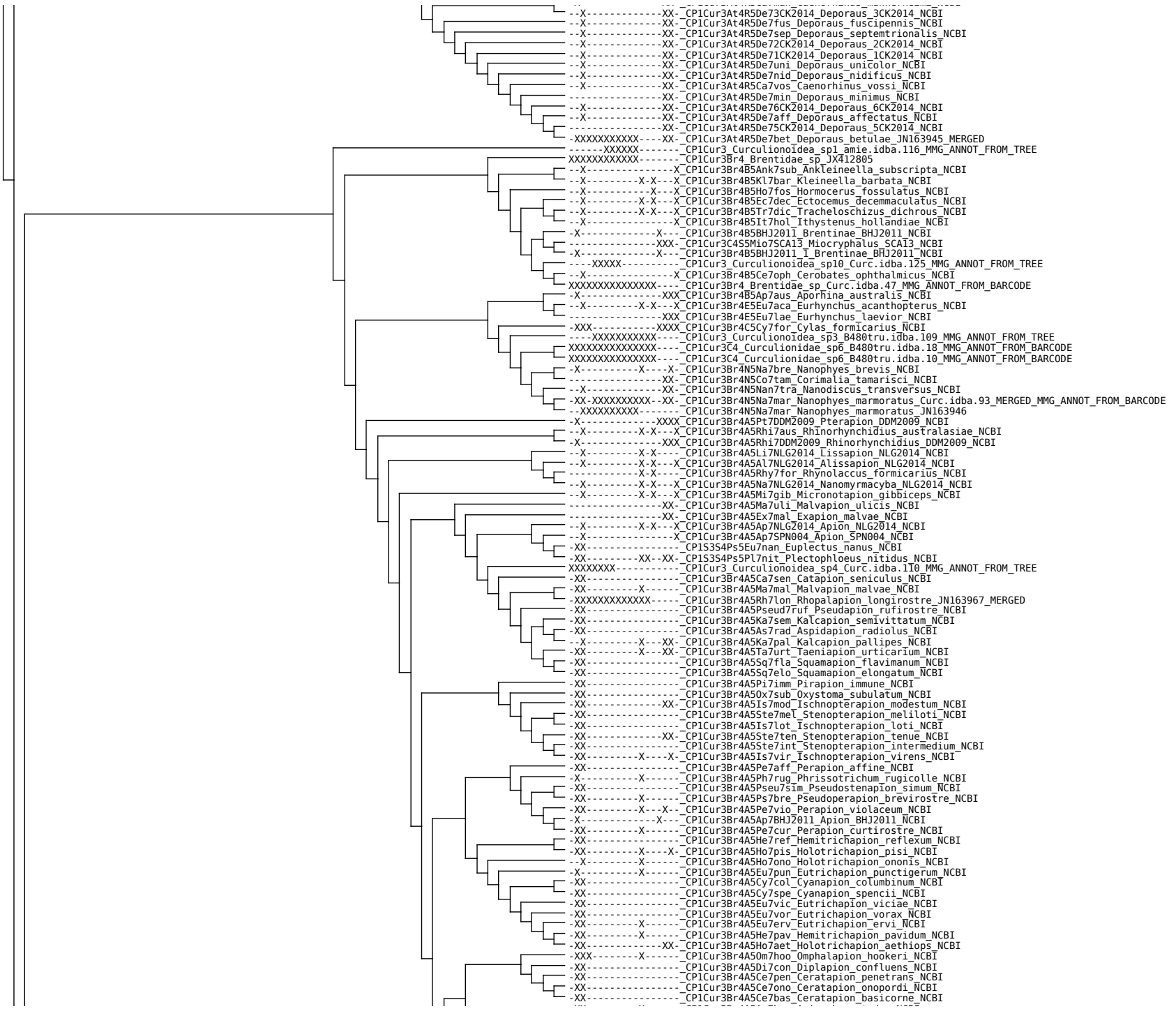




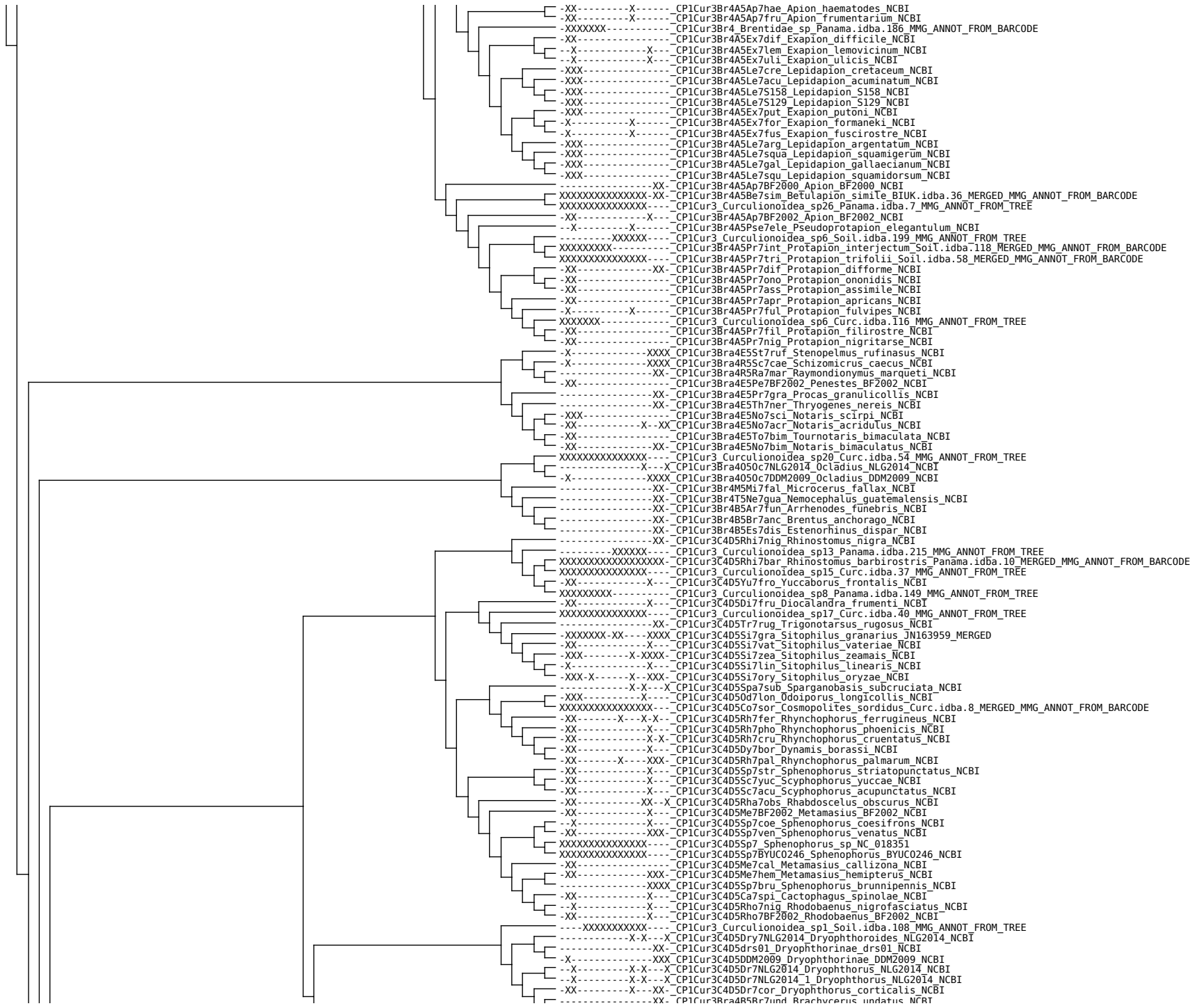






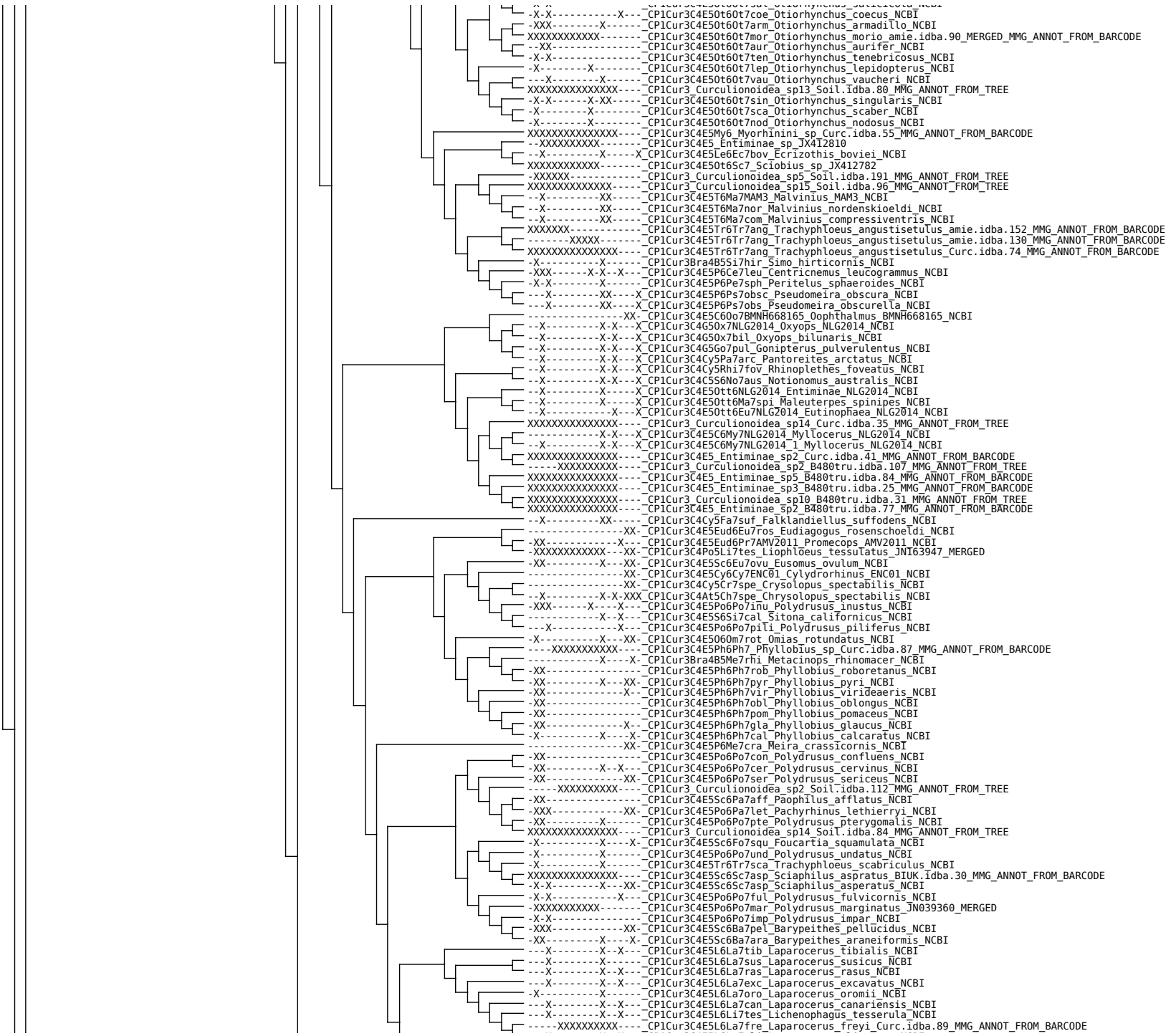


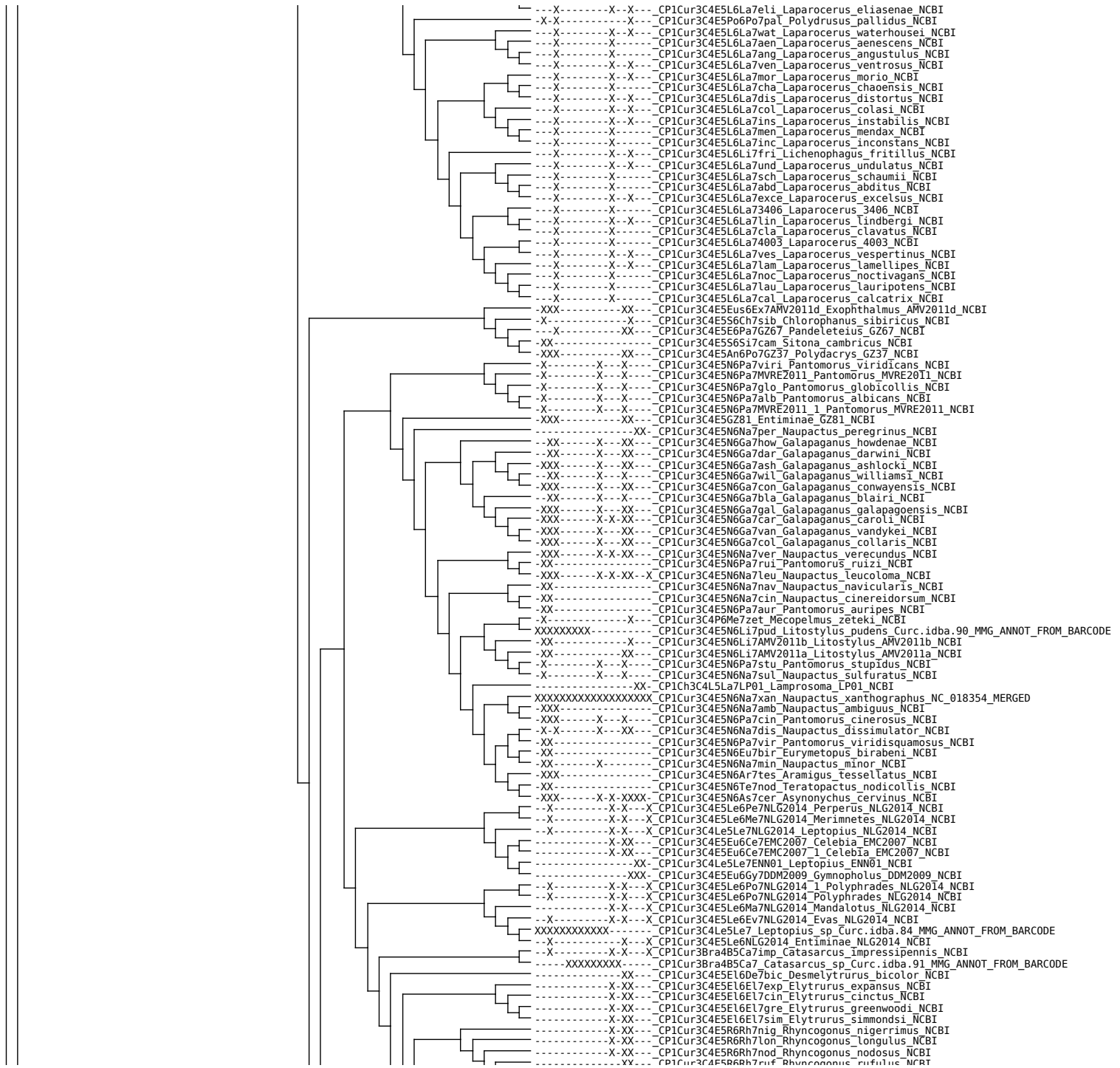




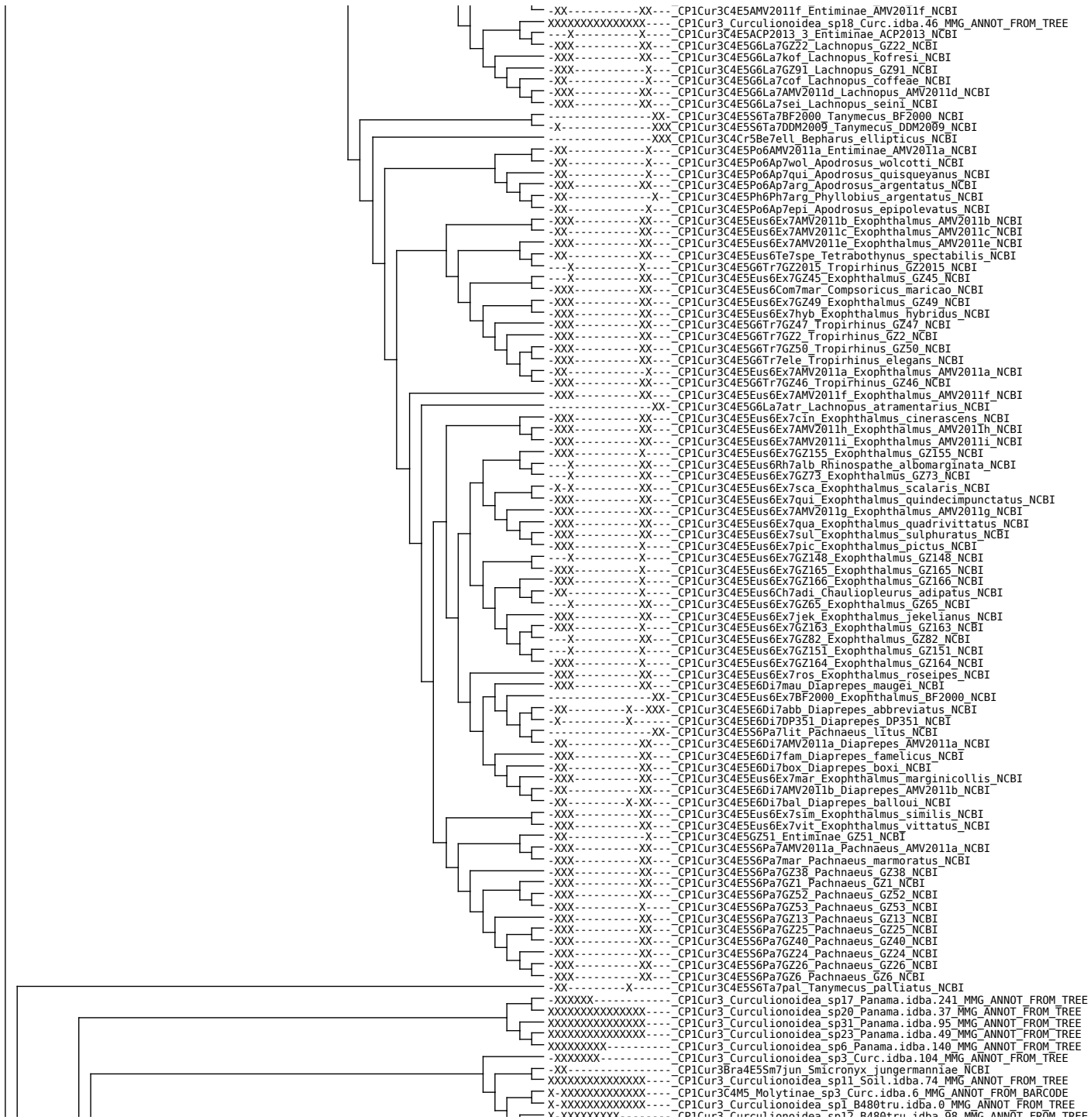






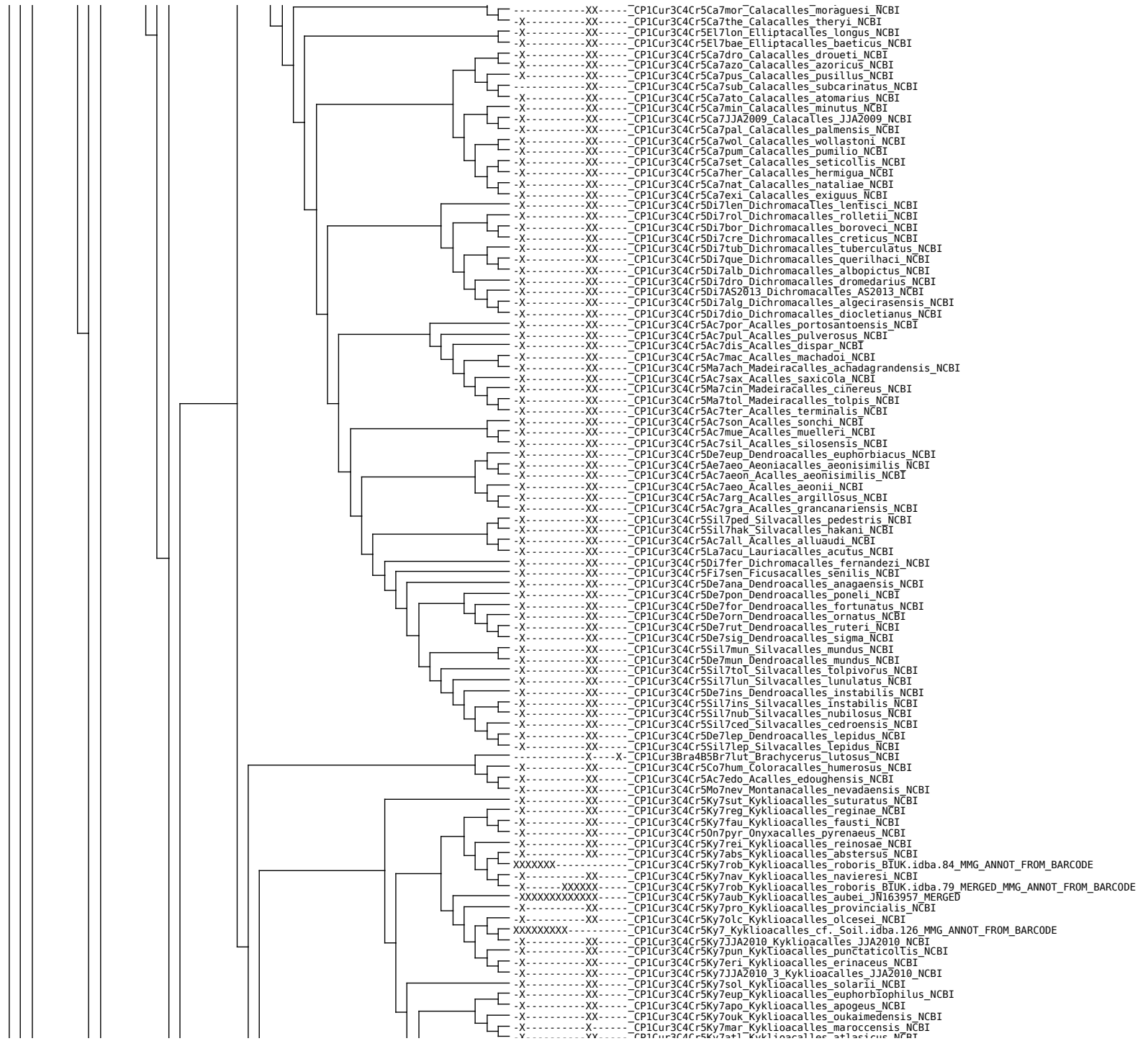


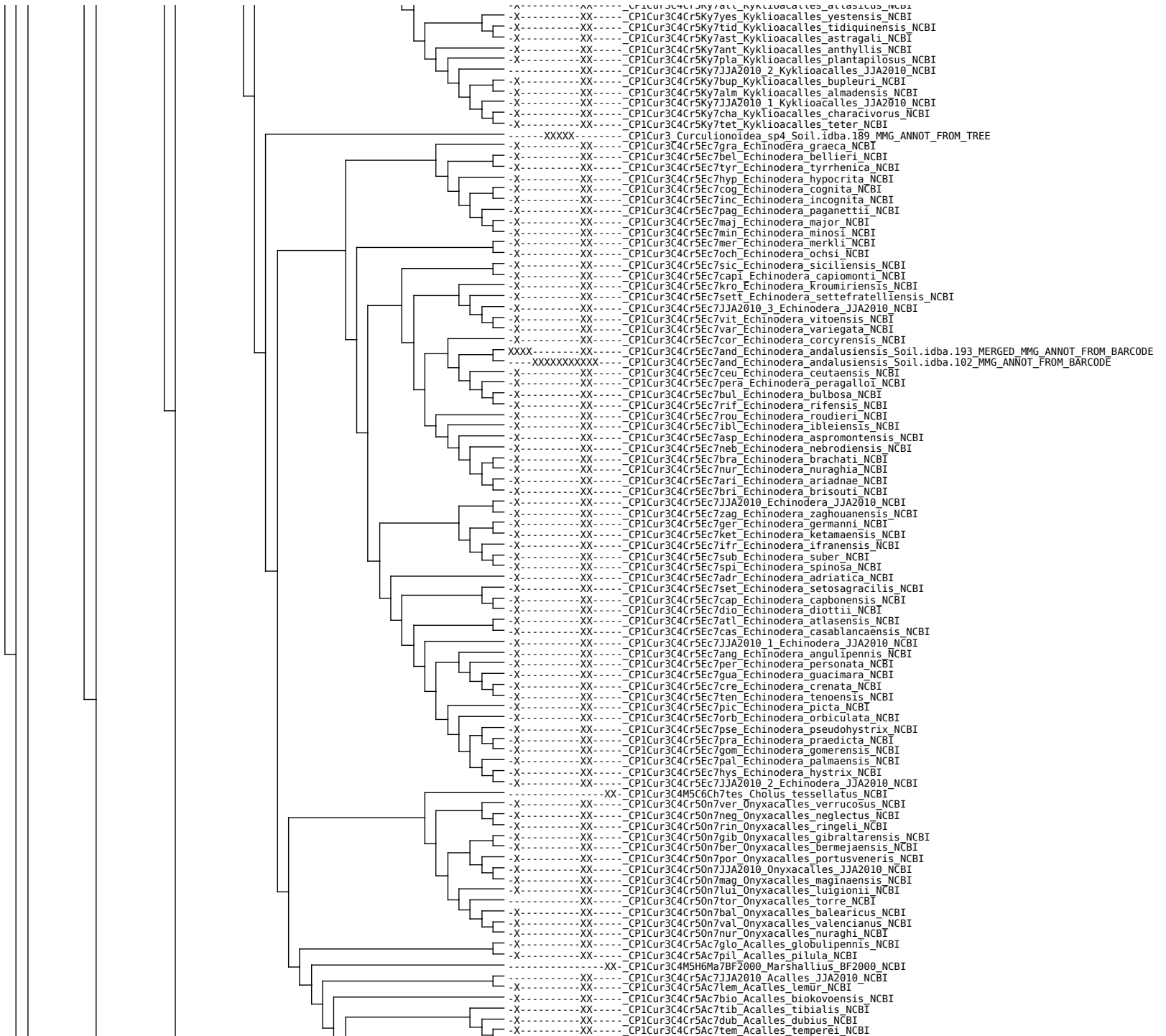








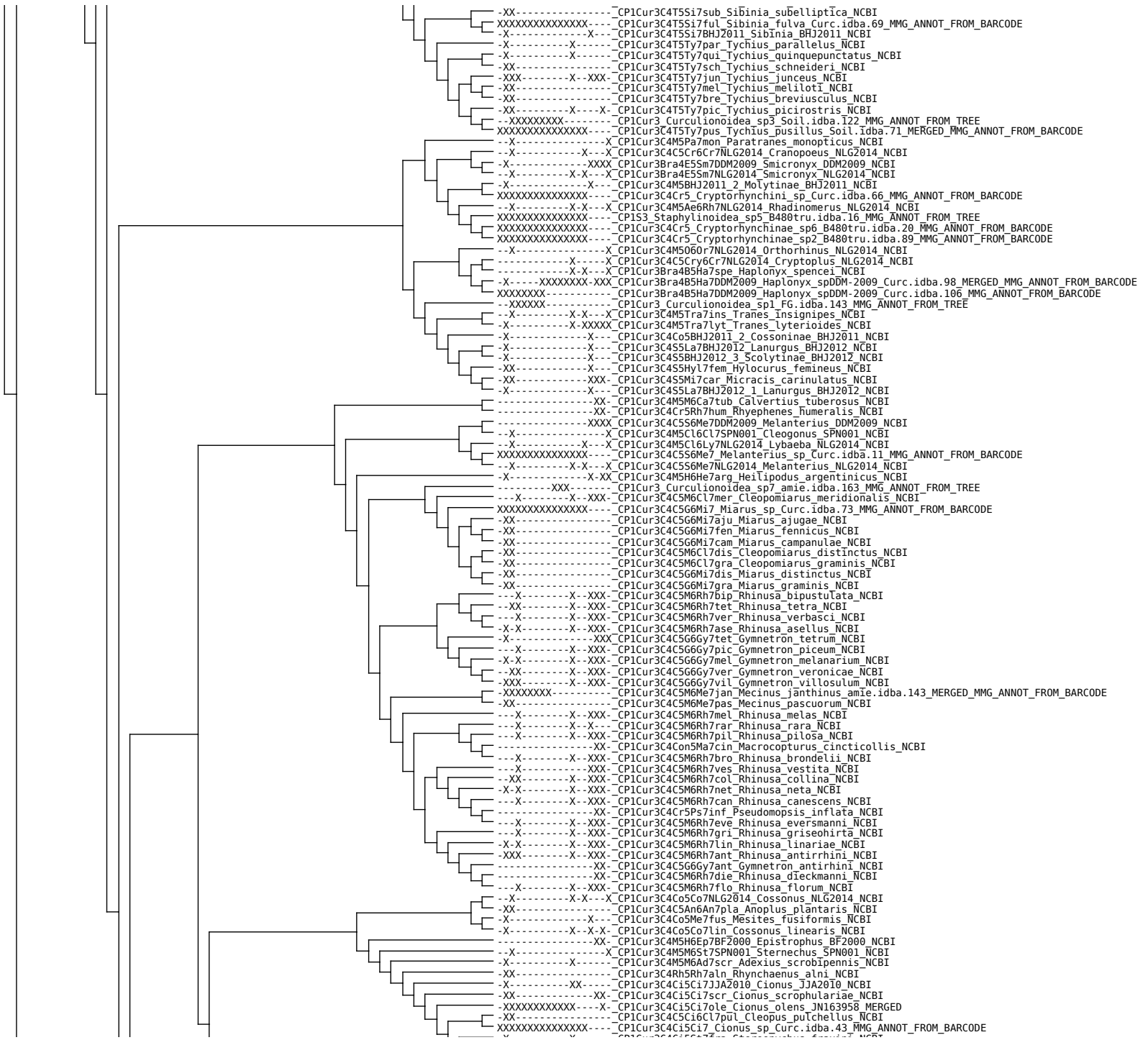


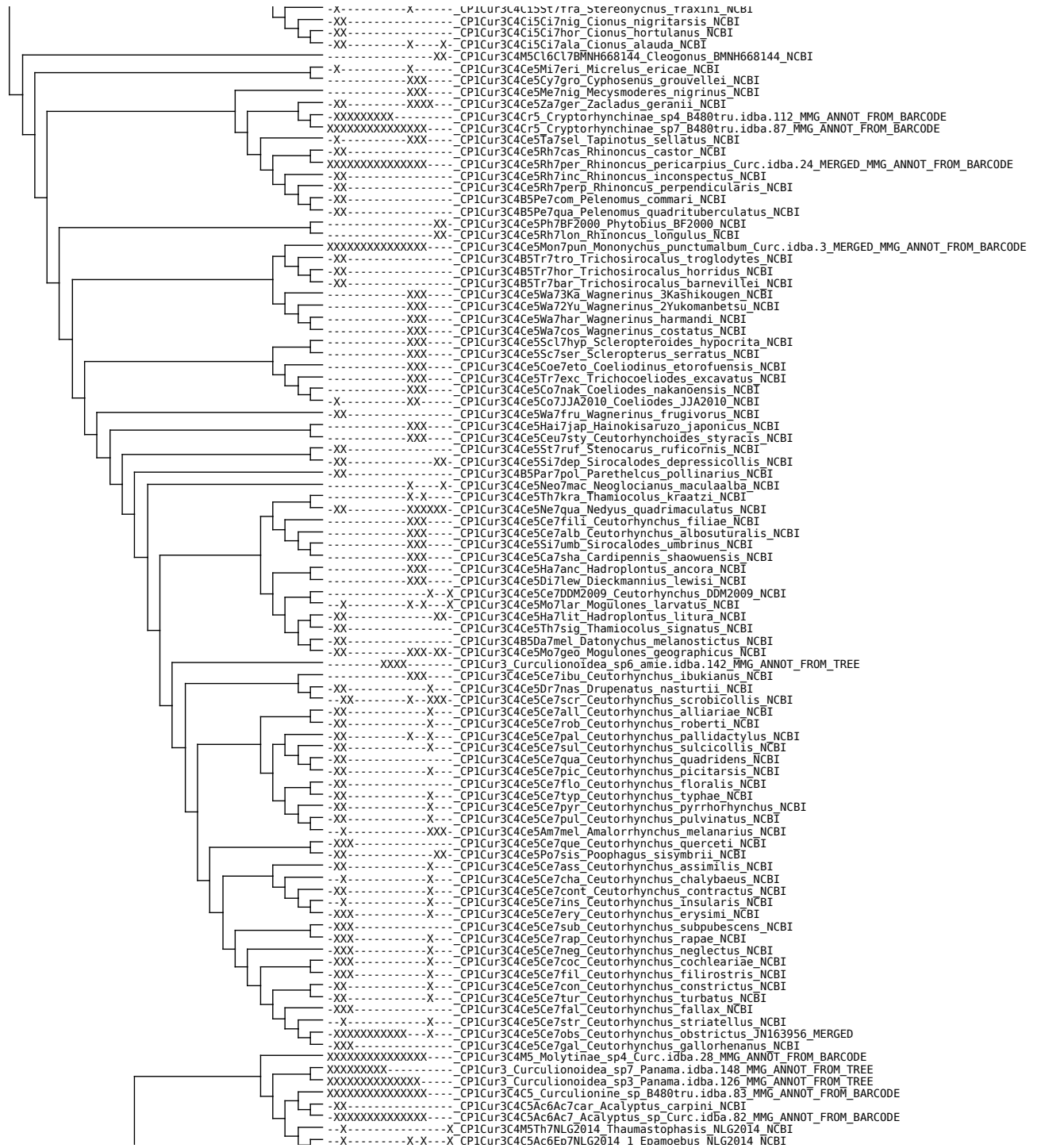




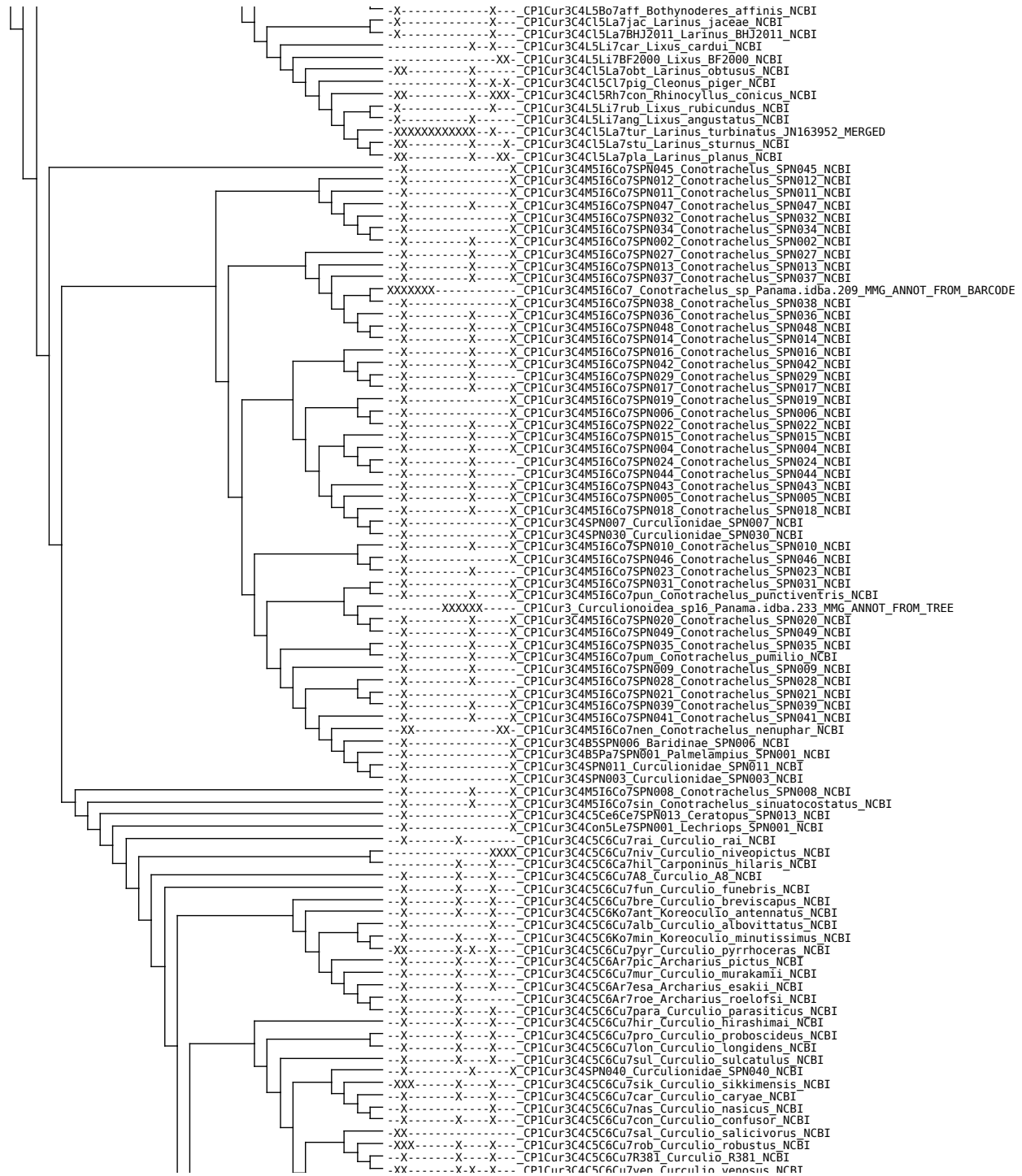


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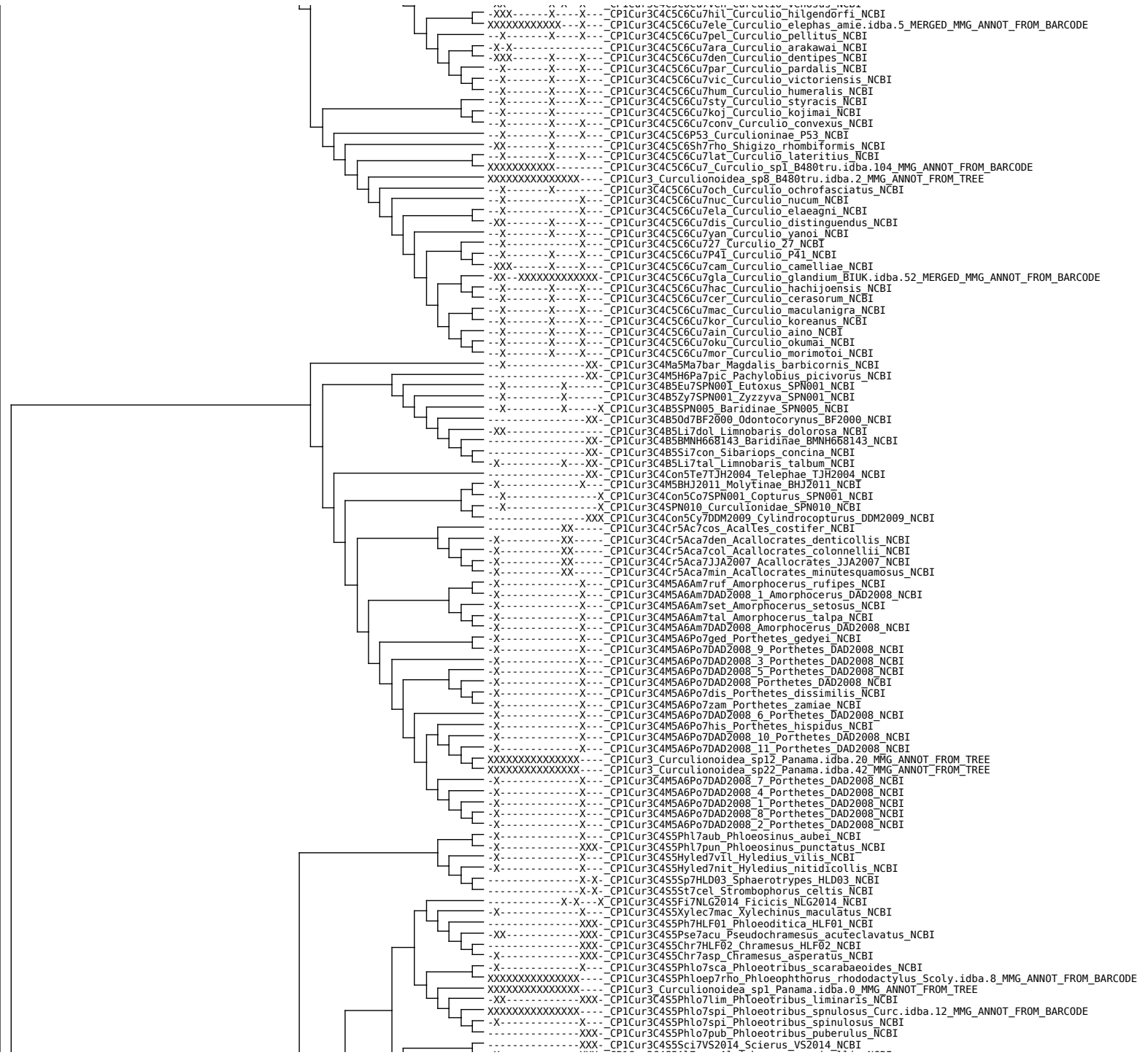












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