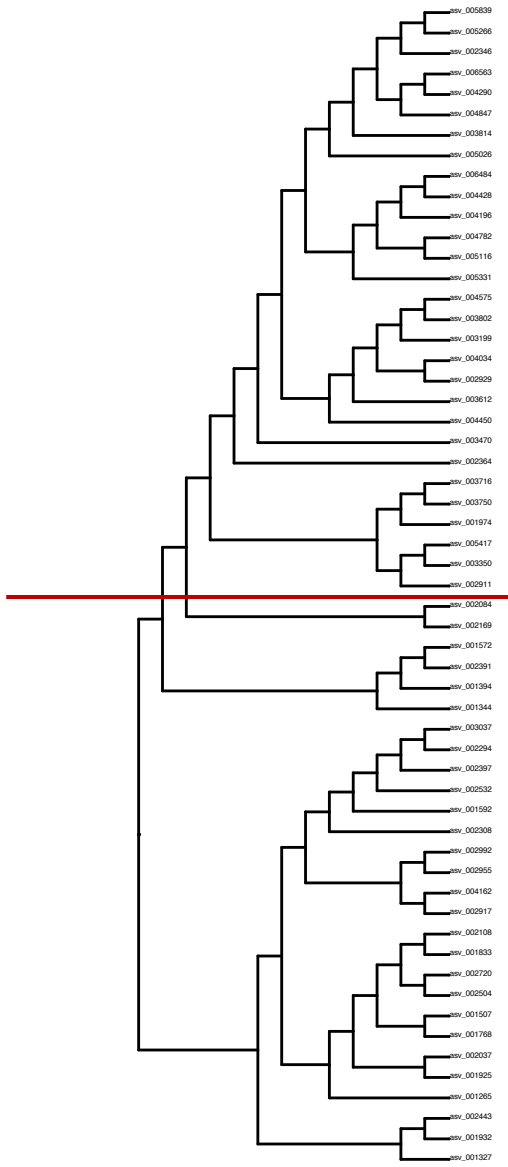


Identification of sub-genus groups

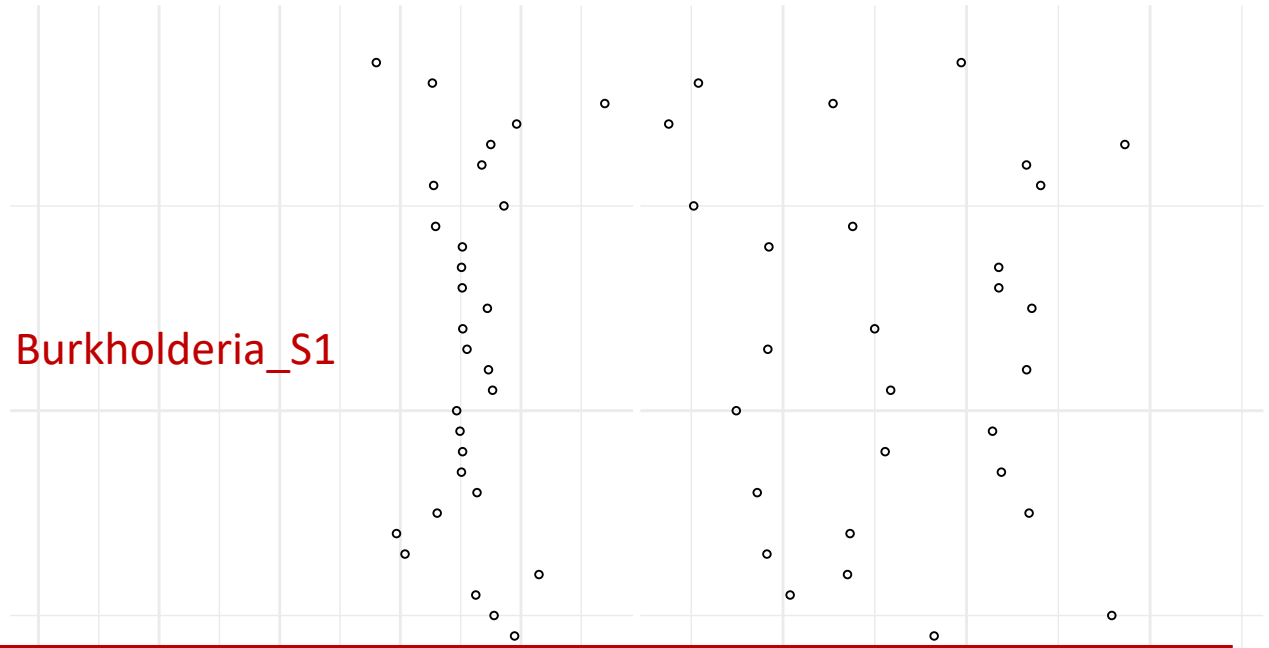
- Phylogenetic tree of 64 genera with >5 ASVs plotted against variance explained by host species and nitrogen
- Sub-genus groups were identified for 12 genera

Genera with sub-genus groups

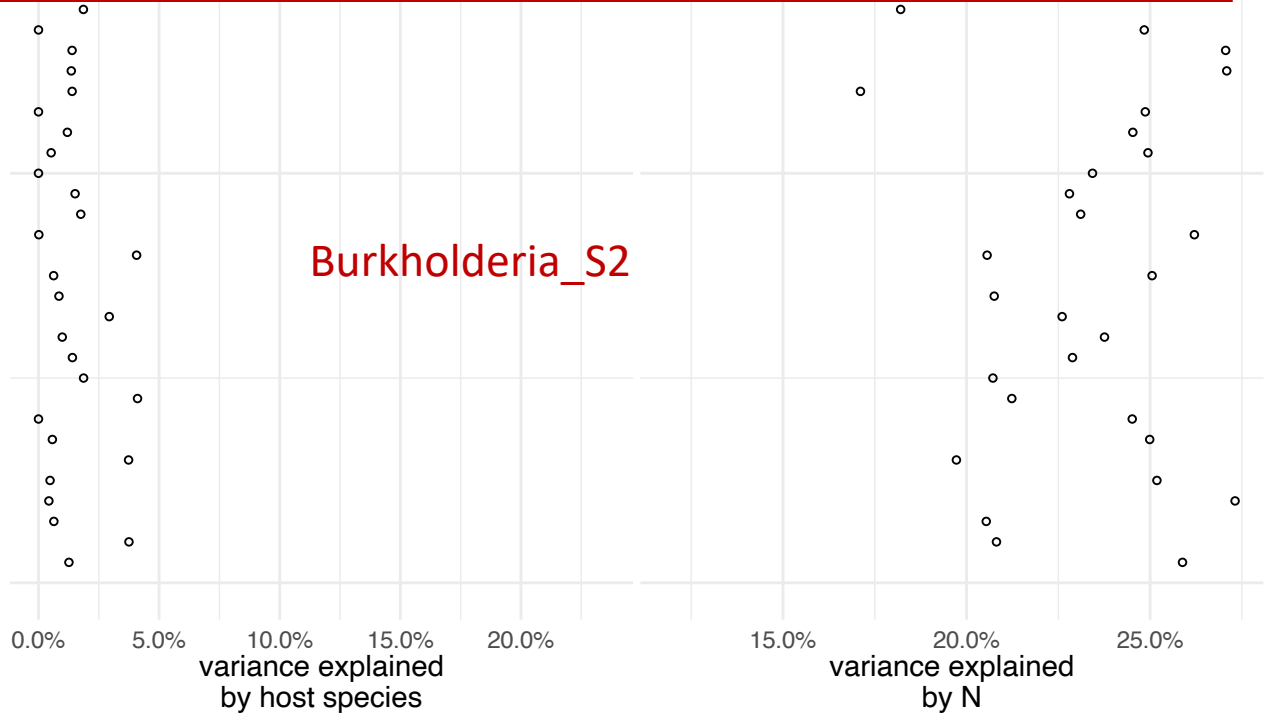
Burkholderia



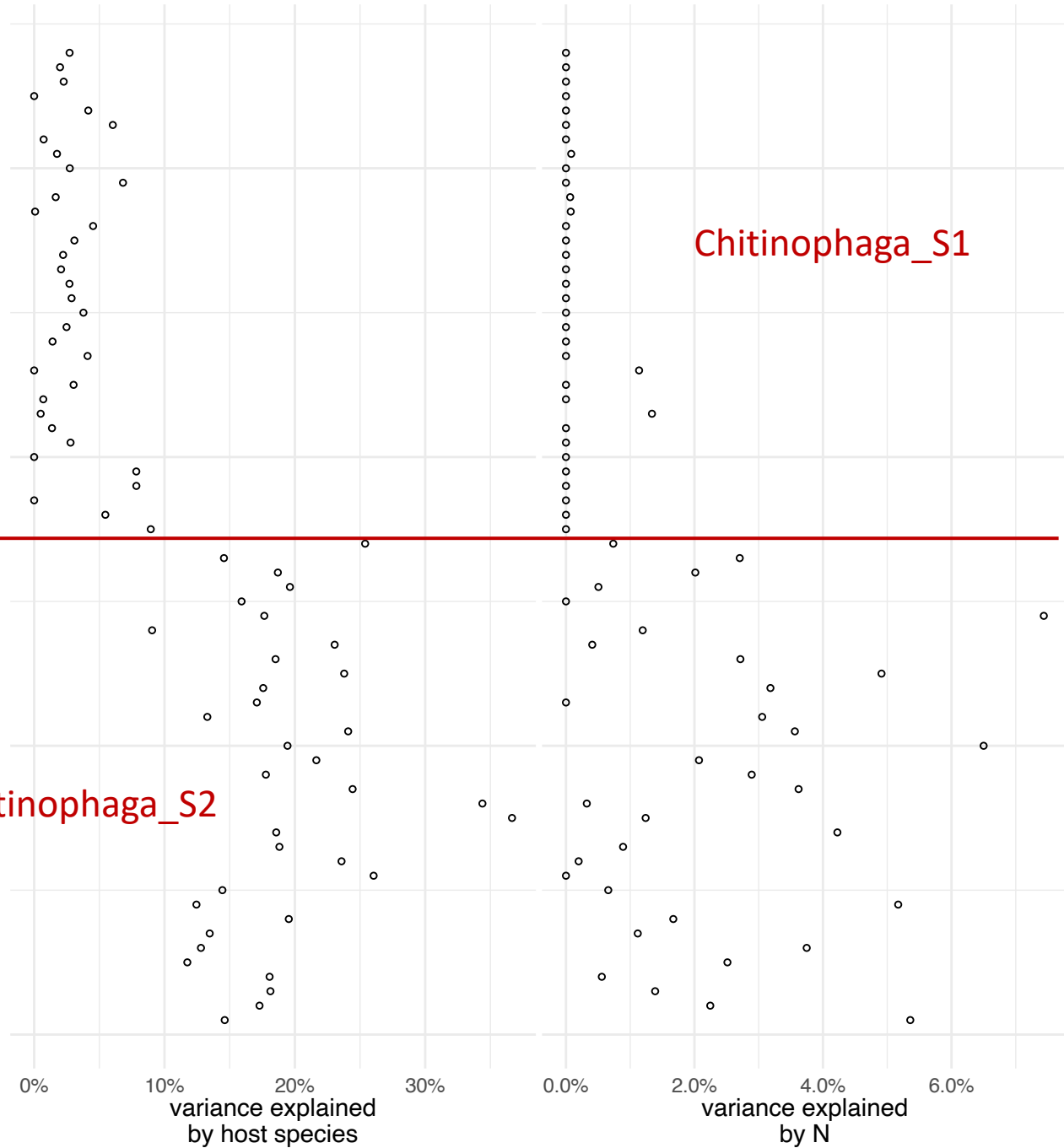
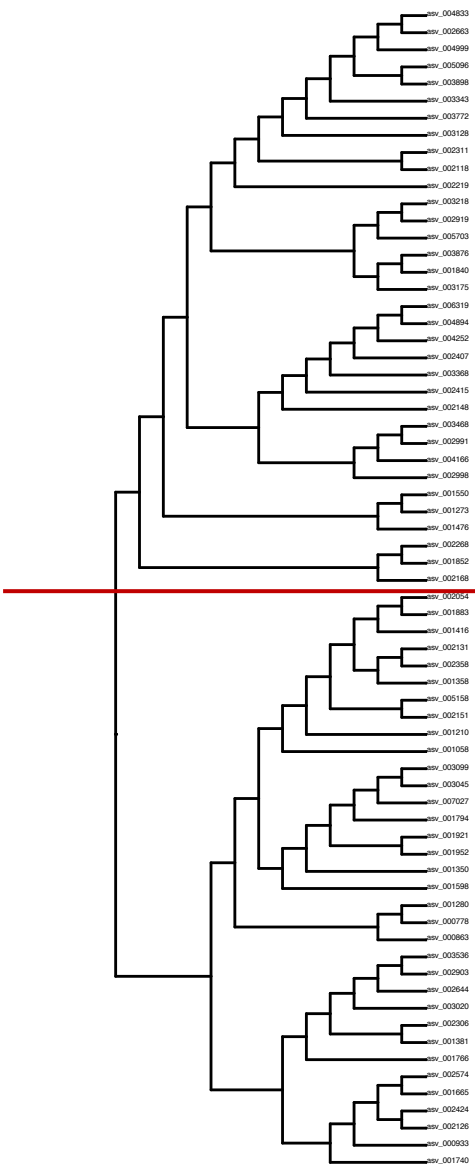
Burkholderia_S1



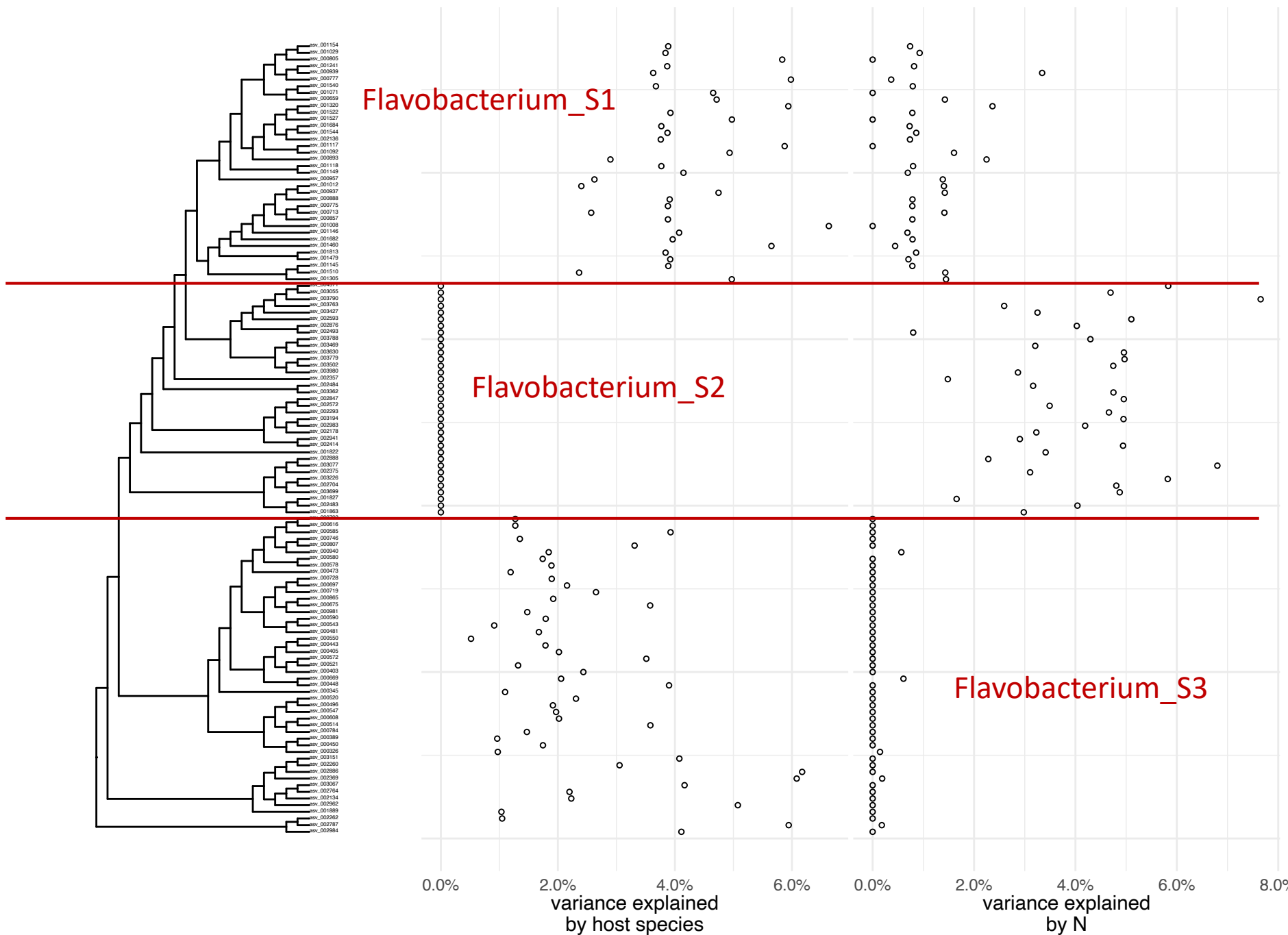
Burkholderia_S2



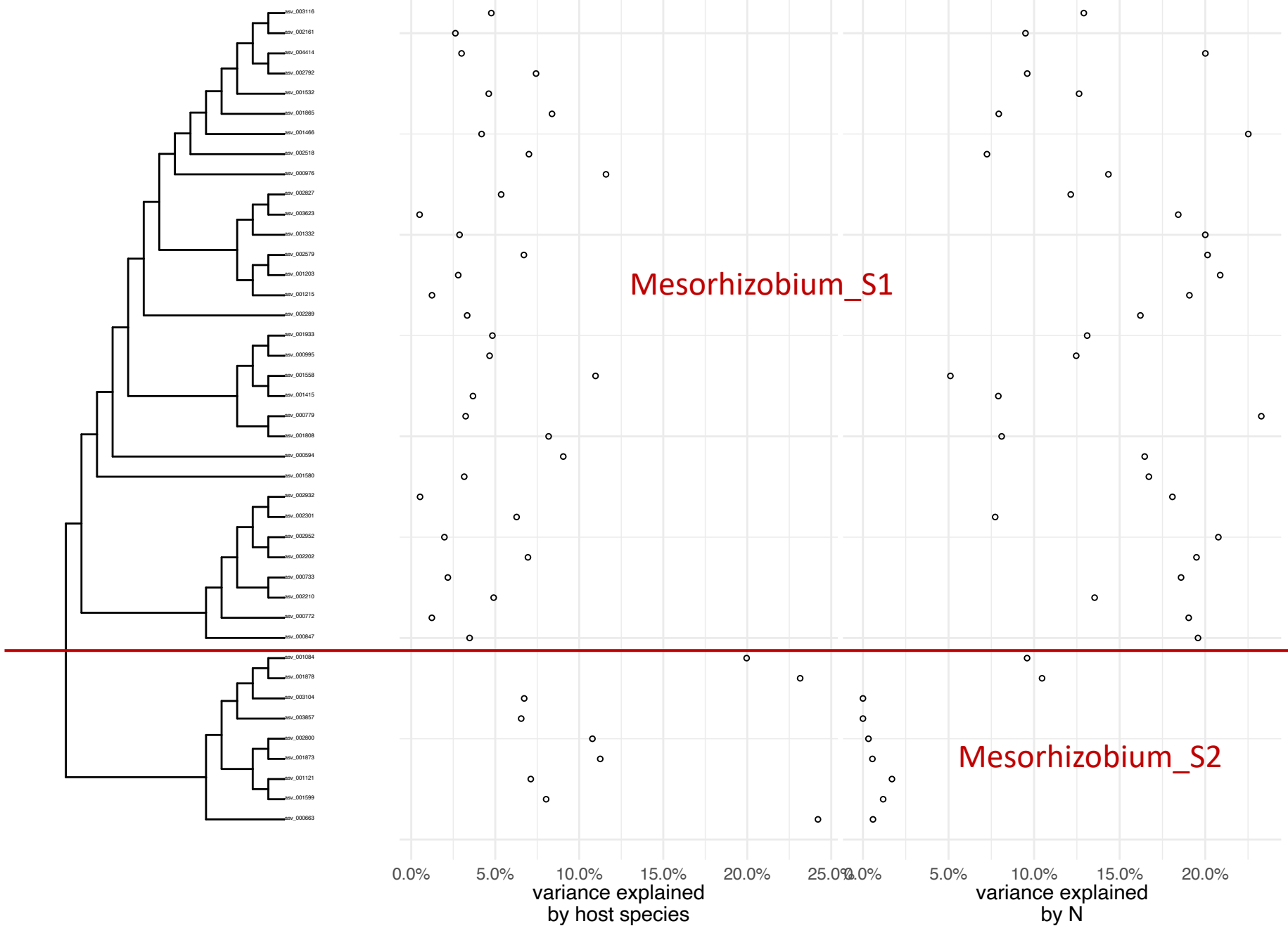
Chitinophaga



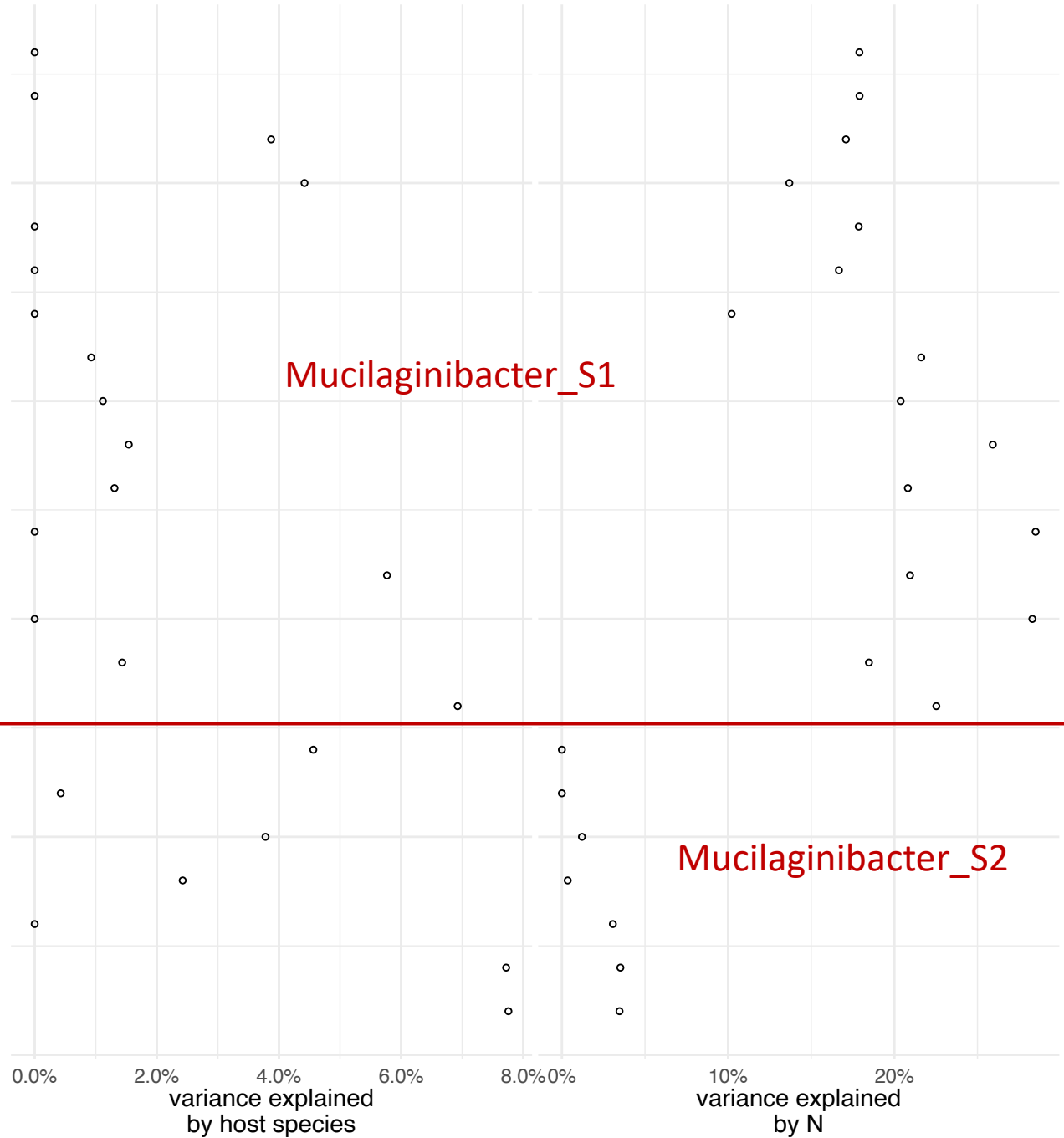
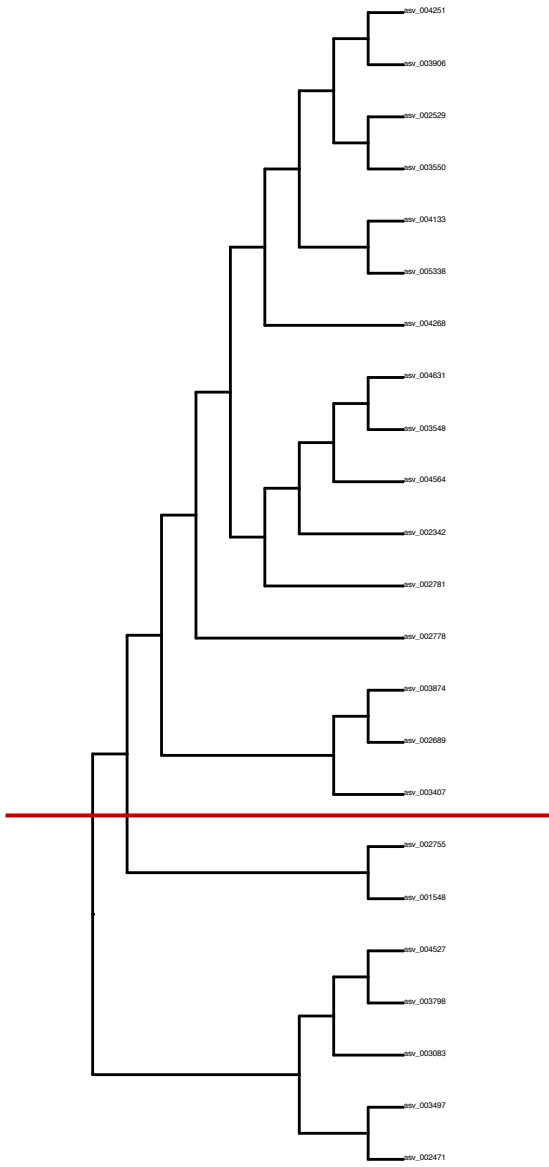
Flavobacterium



Mesorhizobium



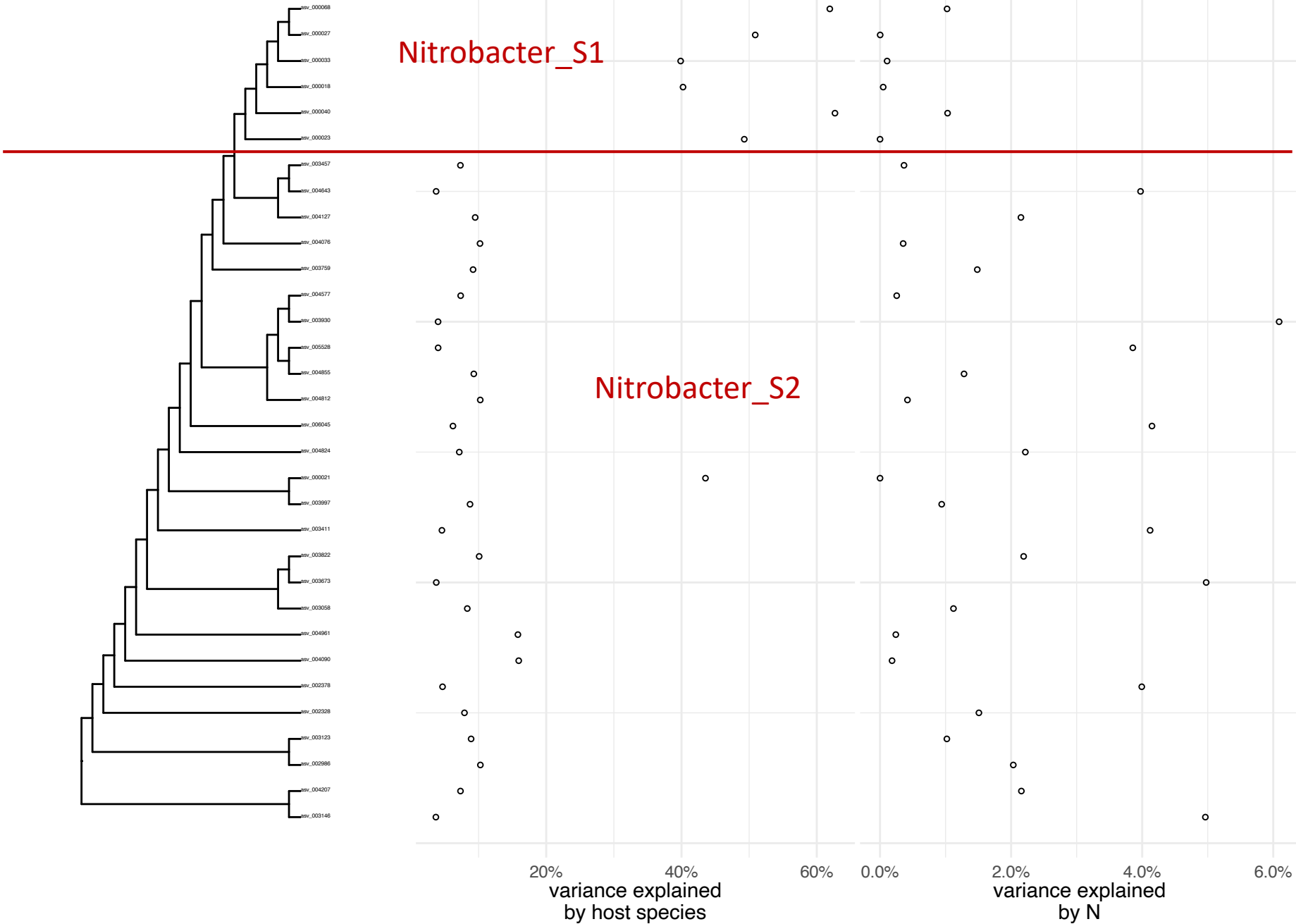
Mucilaginibacter



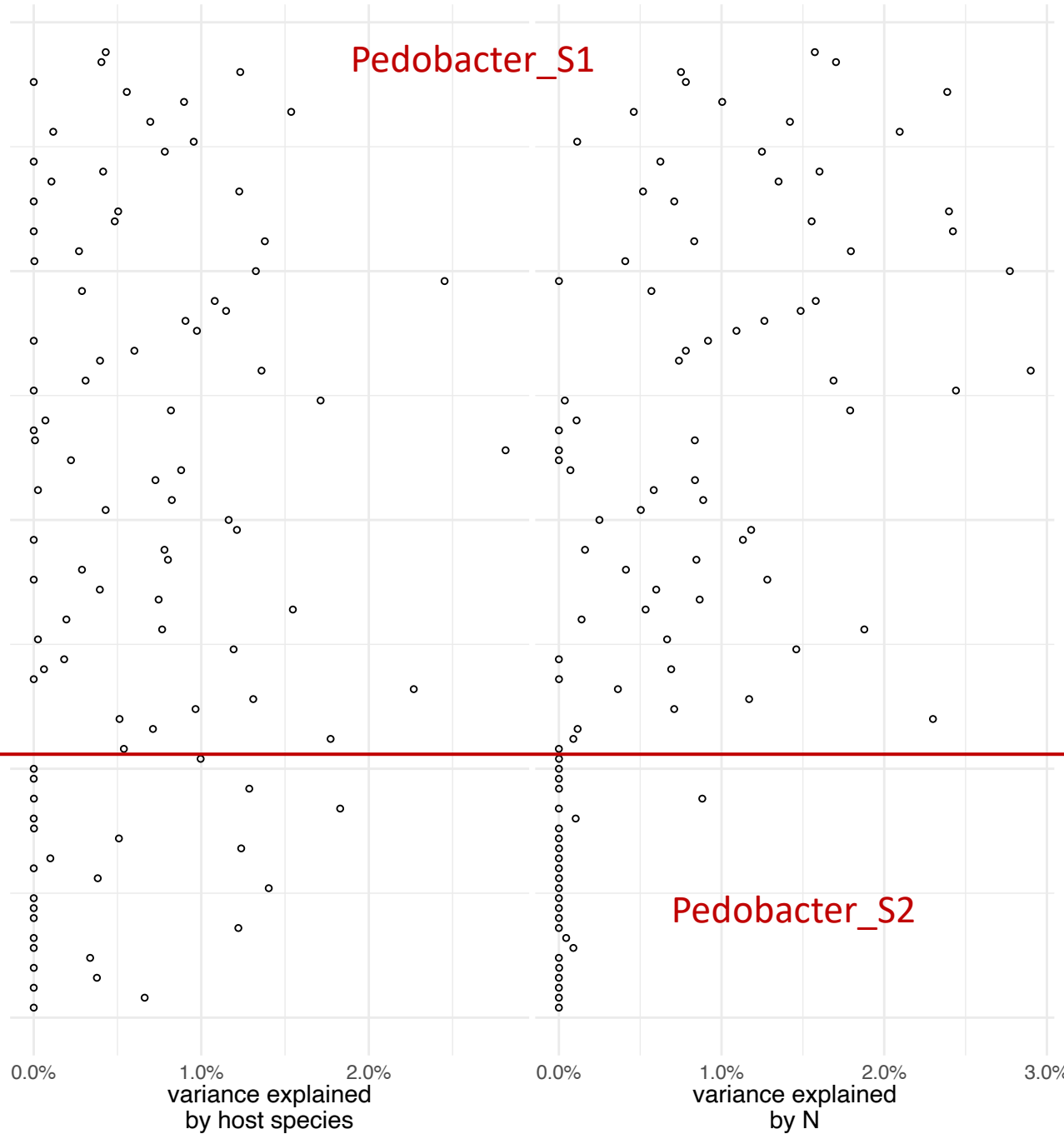
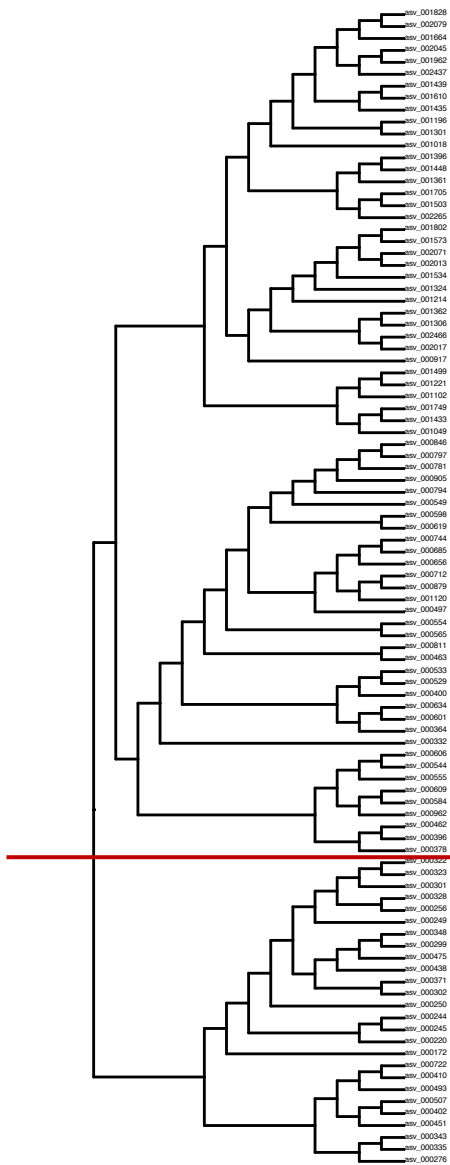
Nitrobacter

Nitrobacter_S1

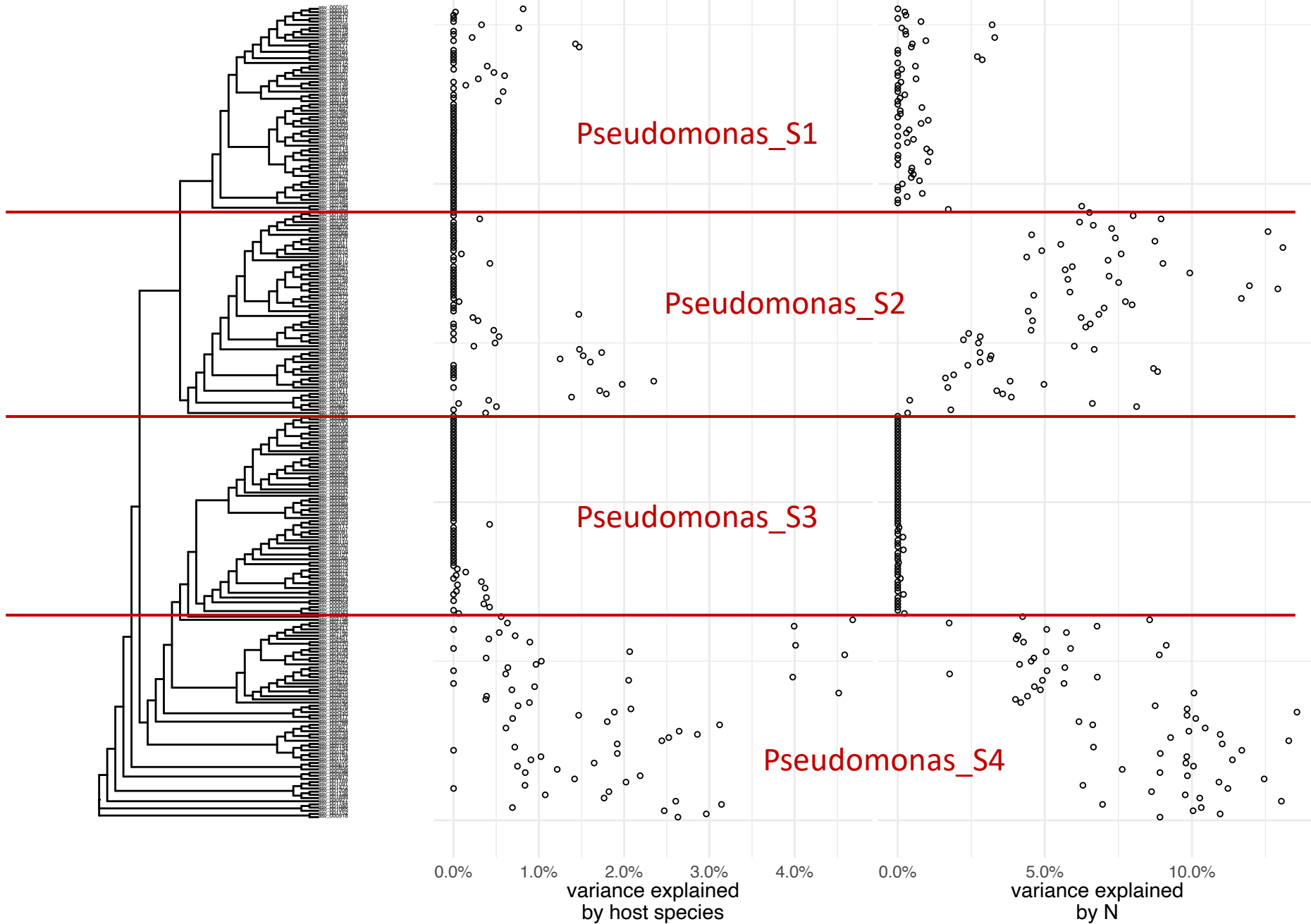
Nitrobacter_S2



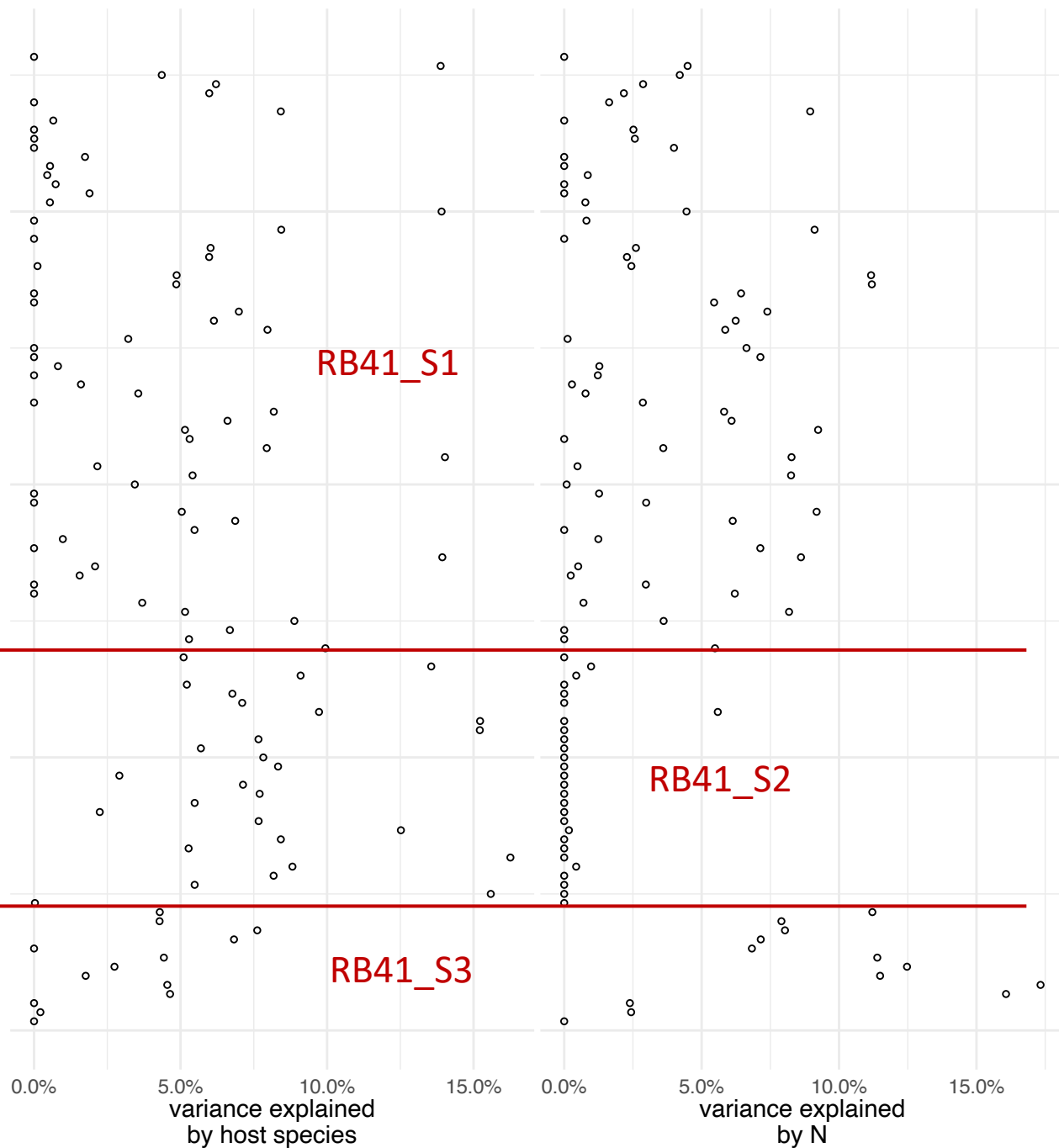
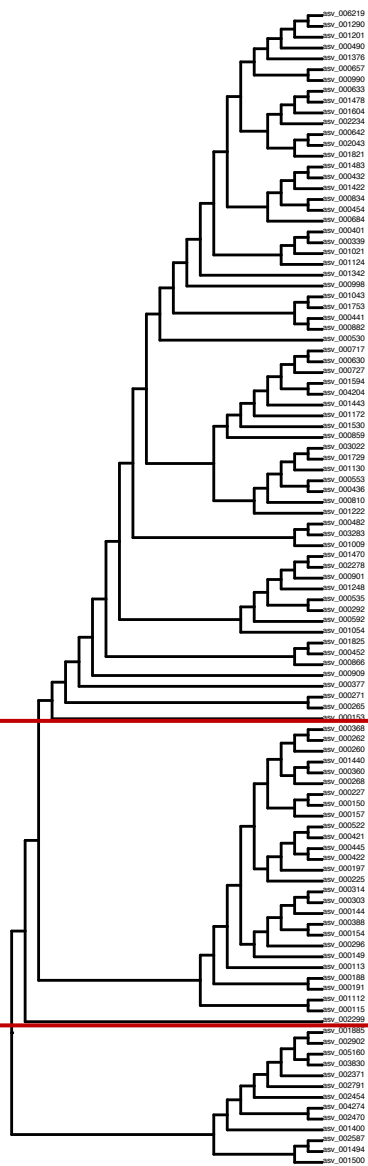
Pedobacter



Pseudomonas



RB41

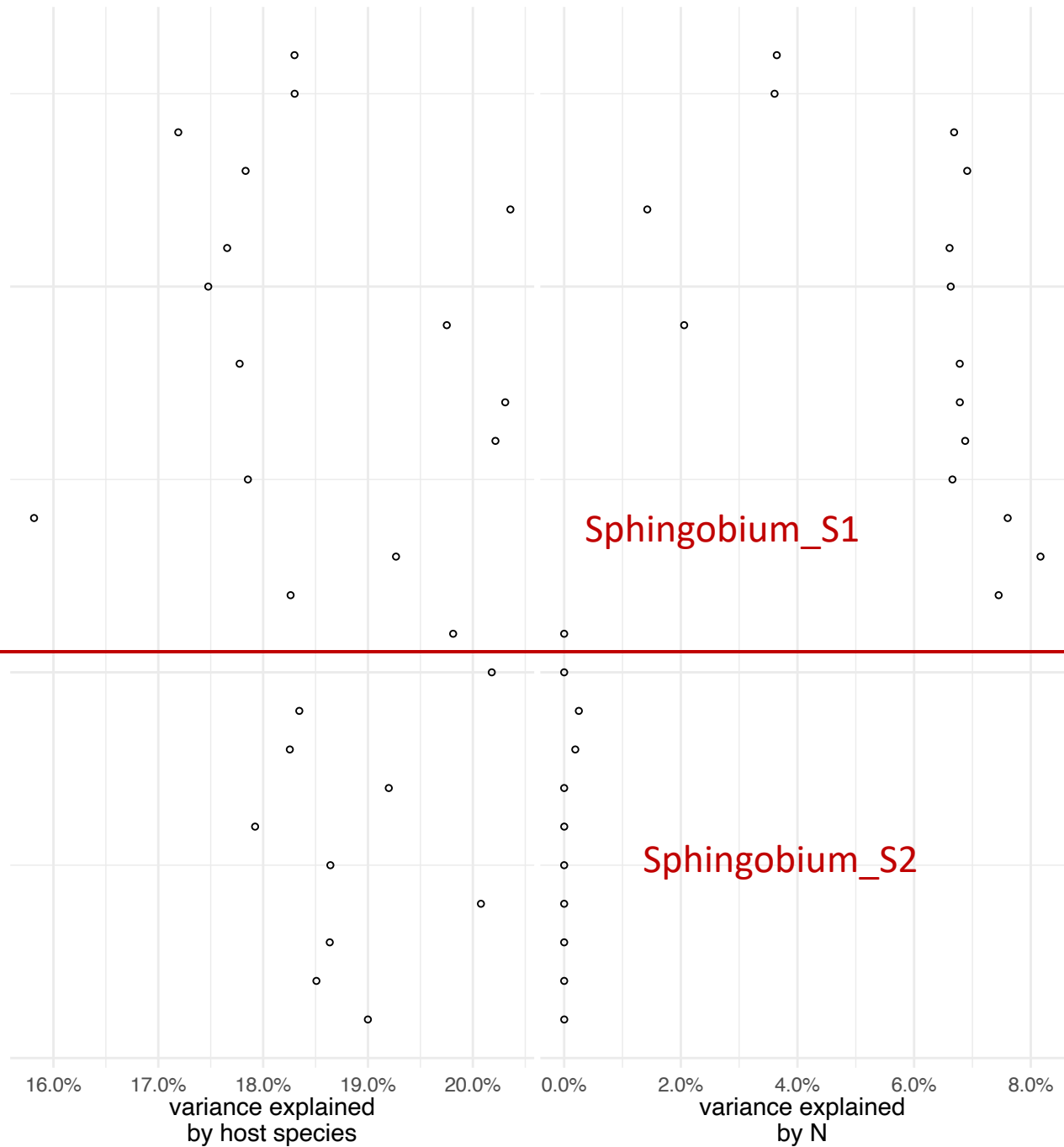


RB41_S1

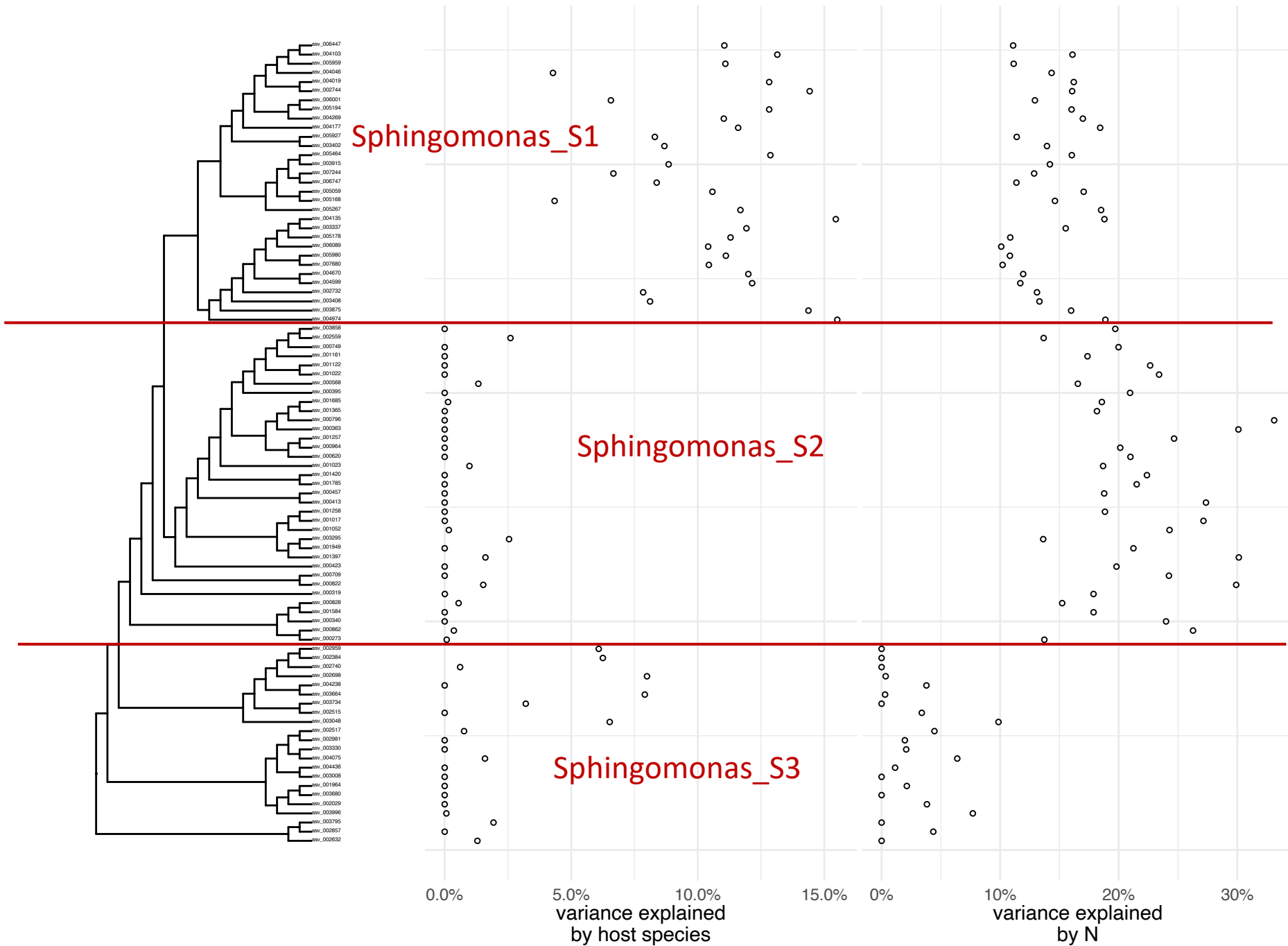
RB41_S2

RB41_S3

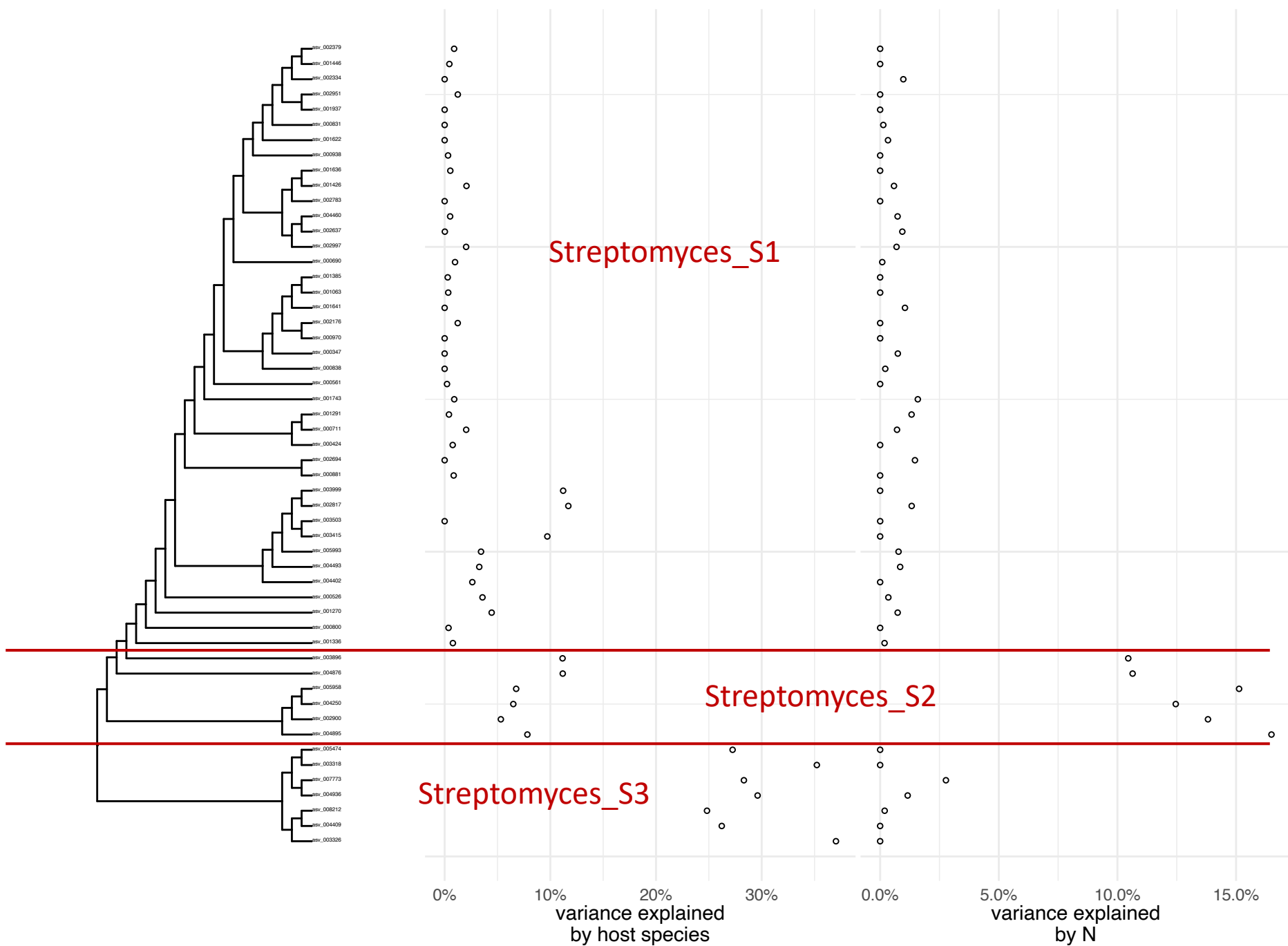
Spingobium



Sphingomonas

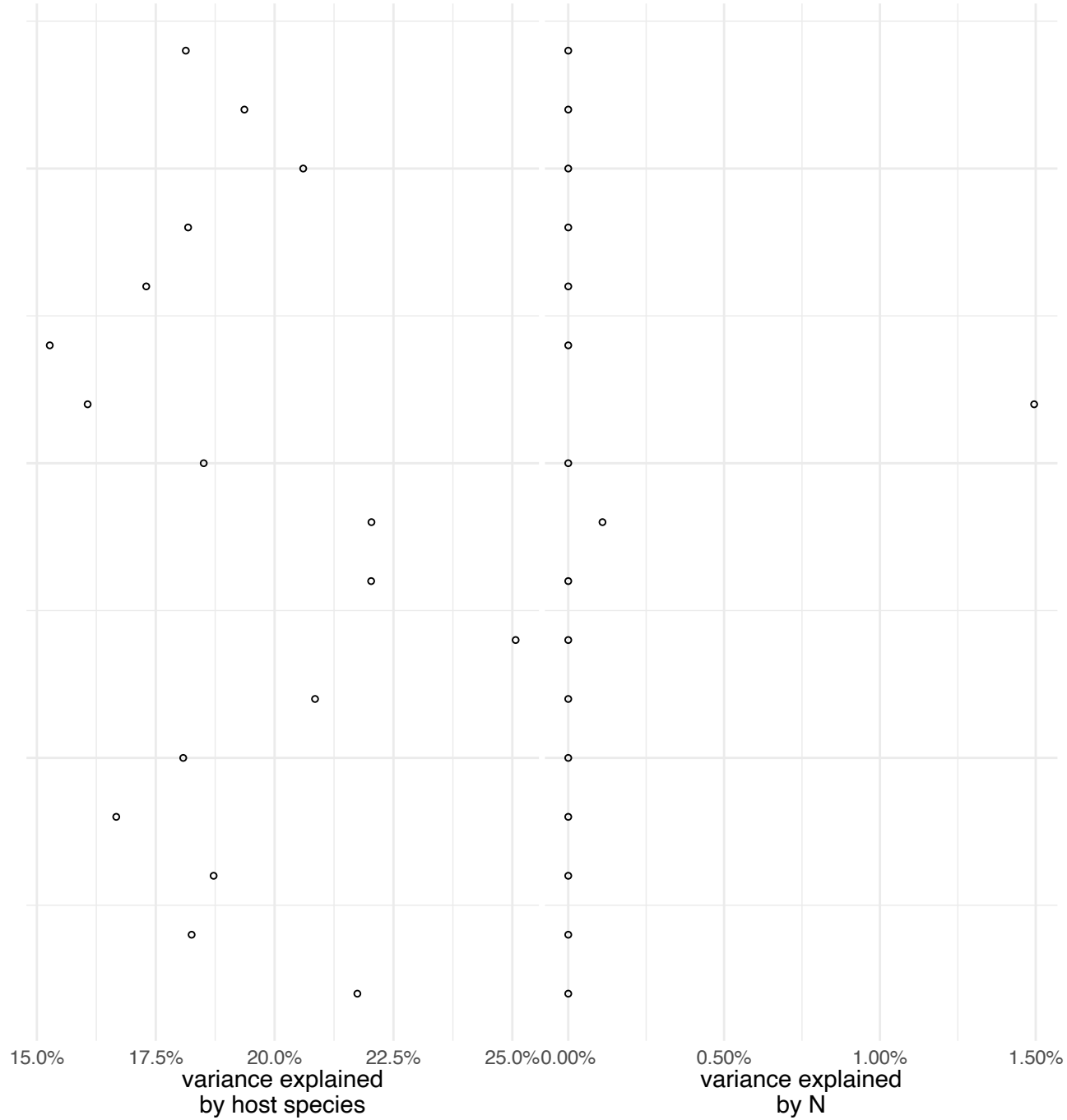
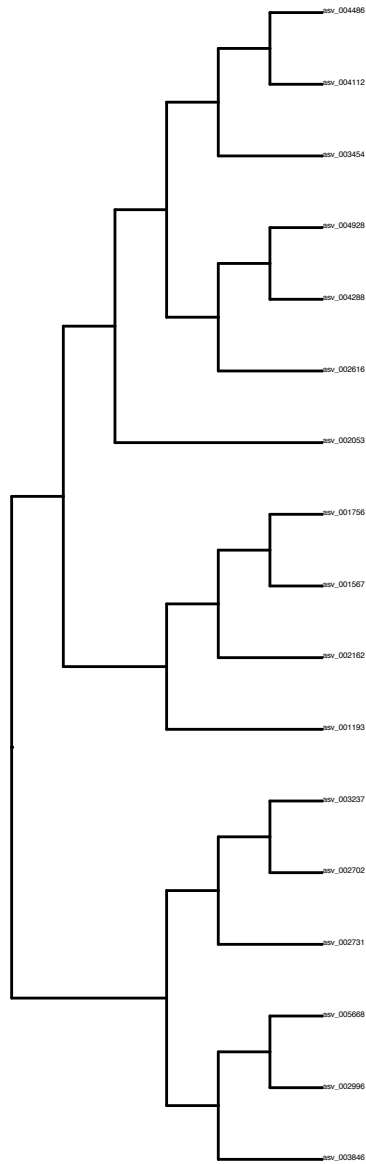


Streptomyces

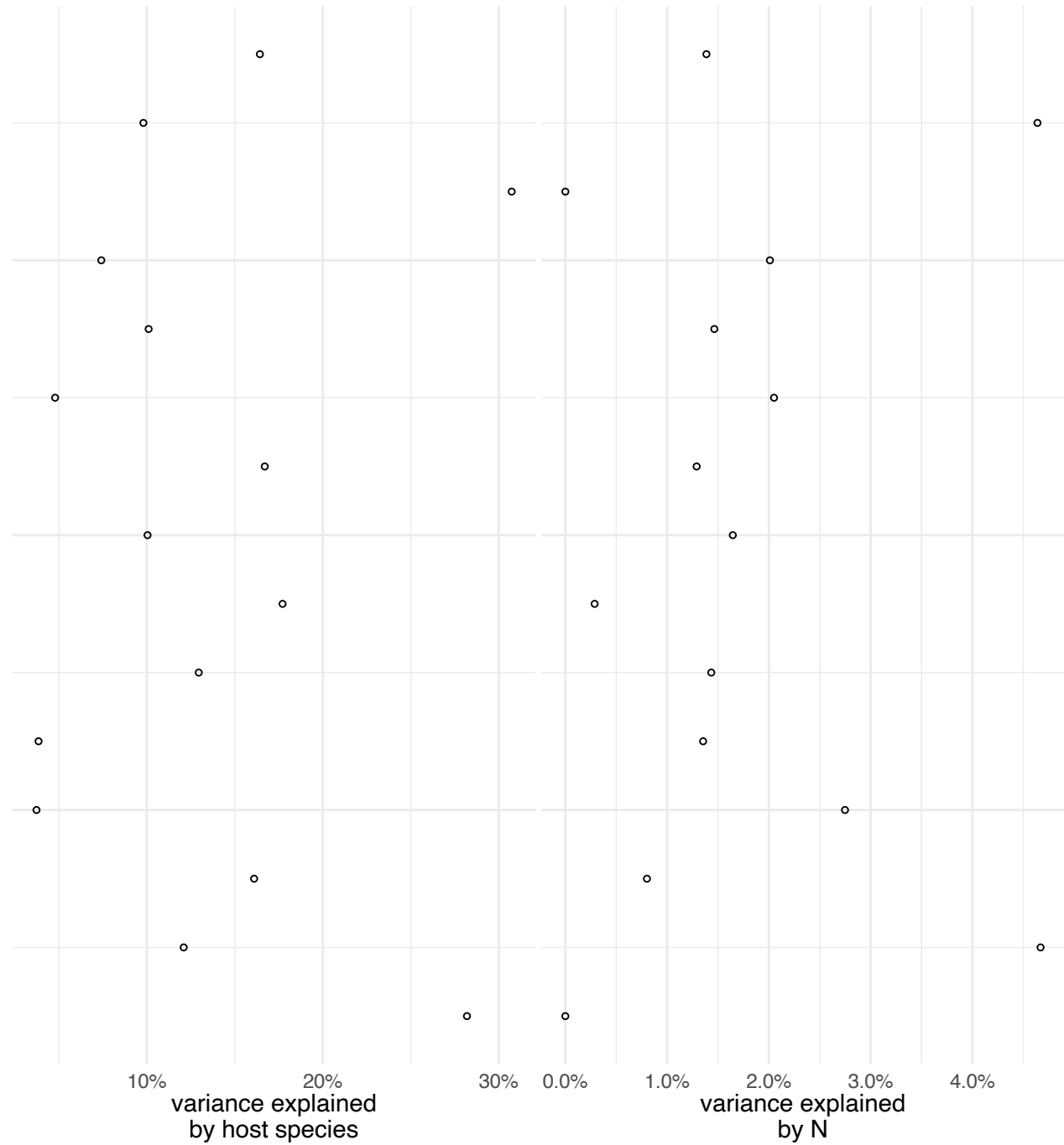
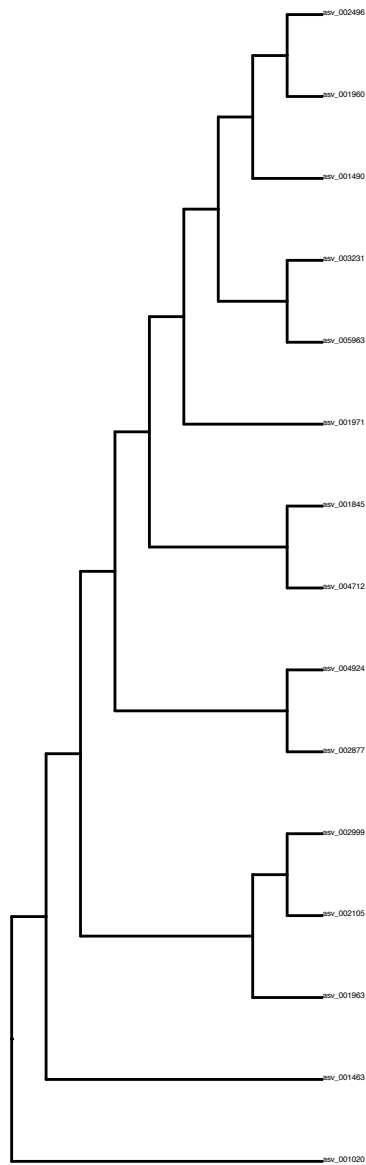


Genera without sub-genus groups

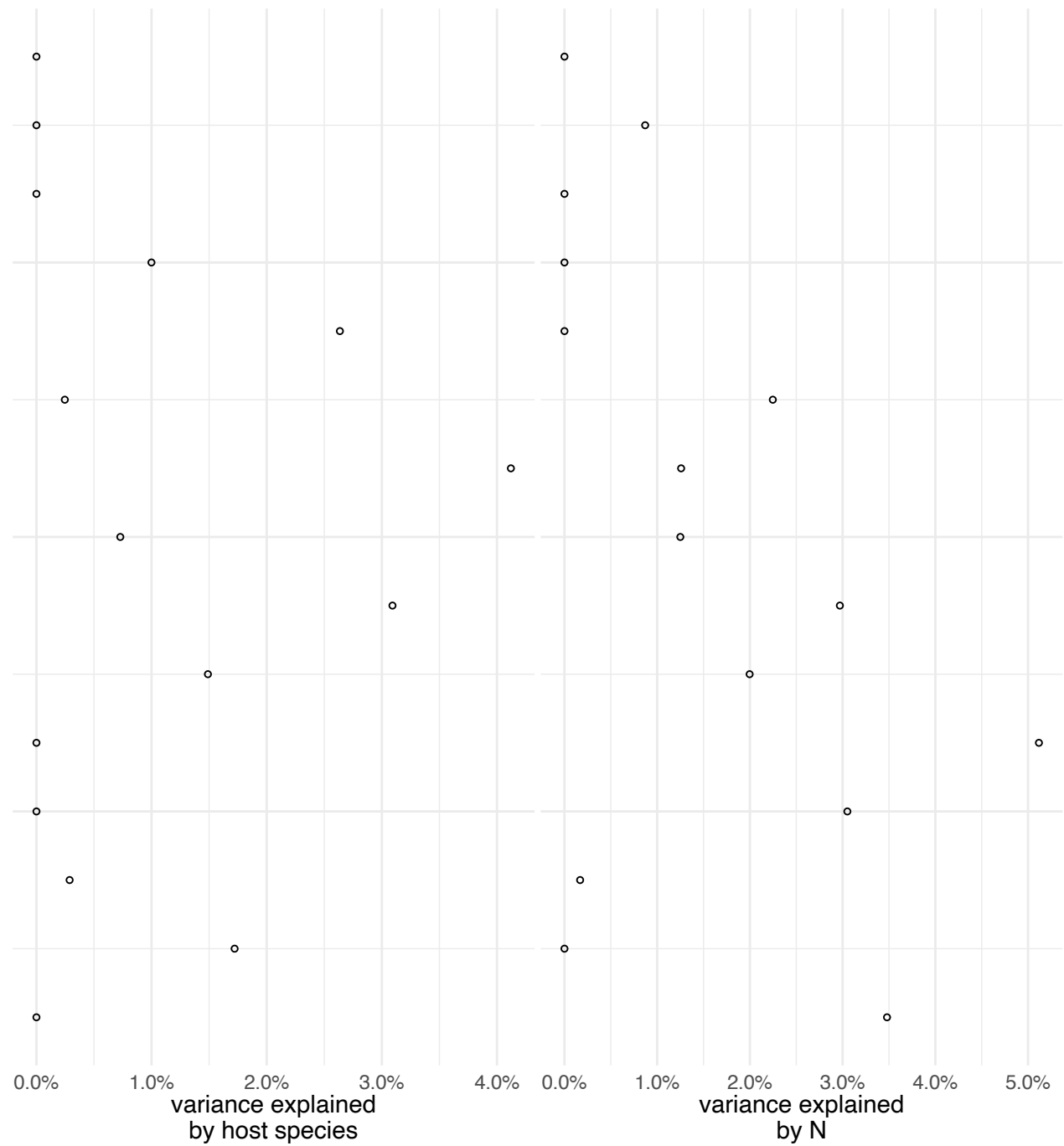
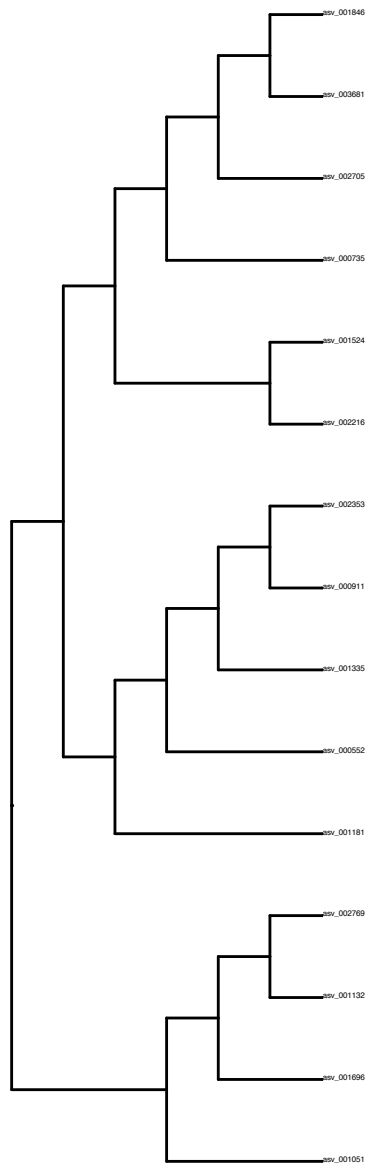
Allostreptomyces



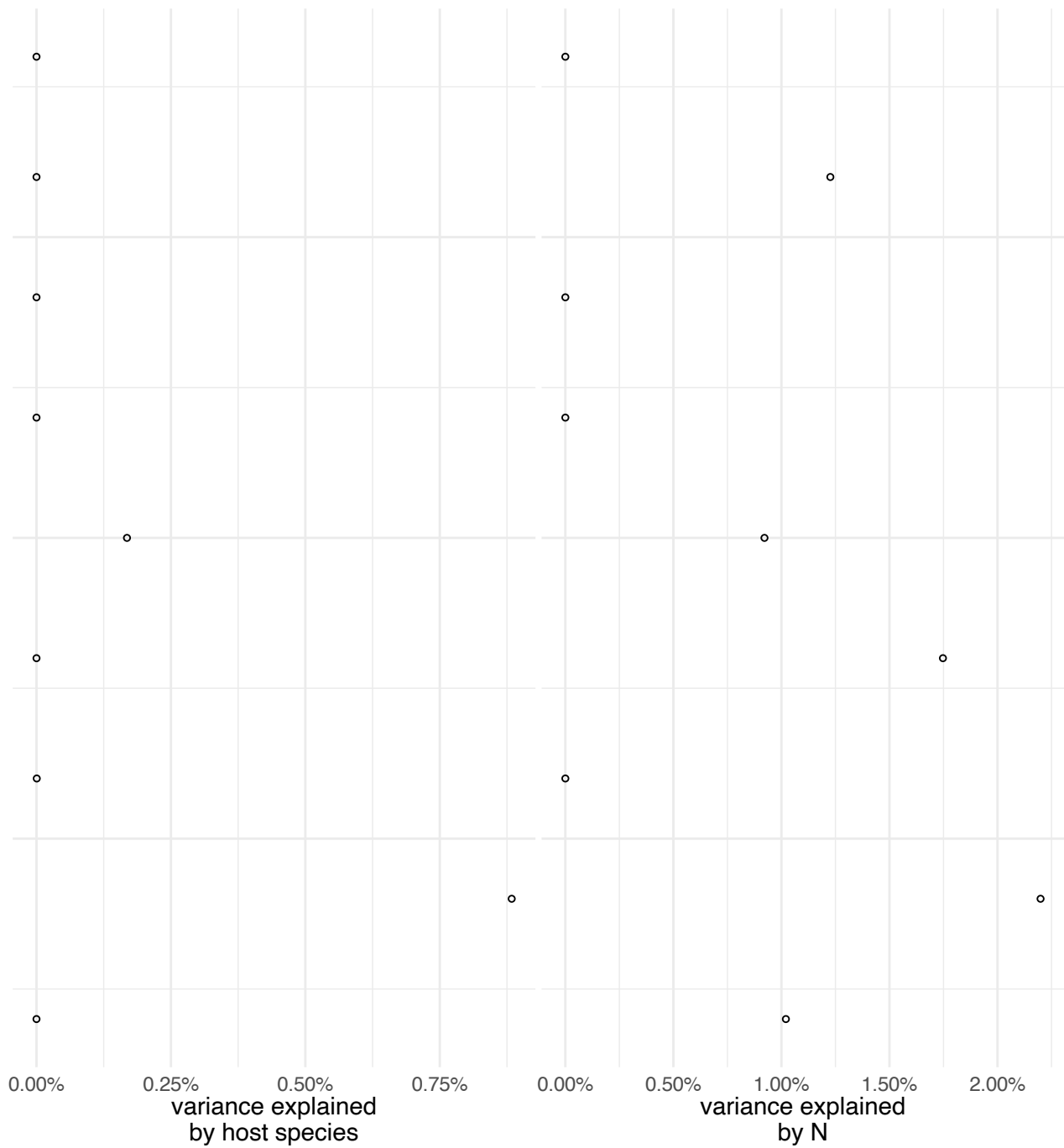
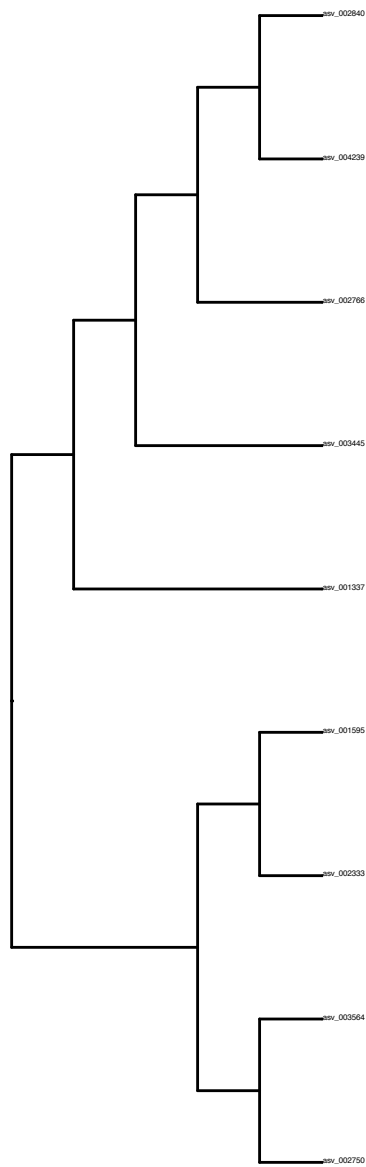
Aminobacter



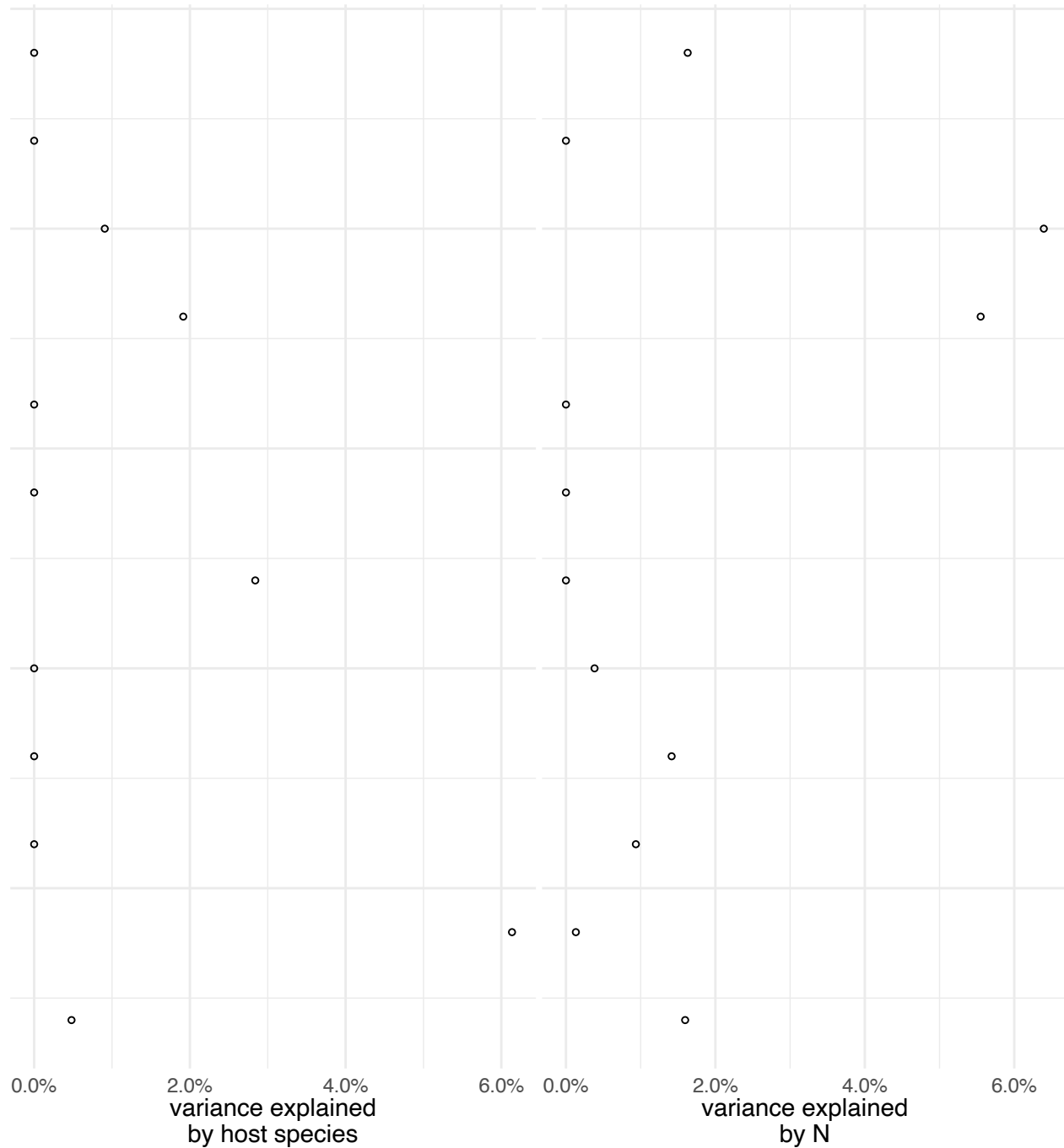
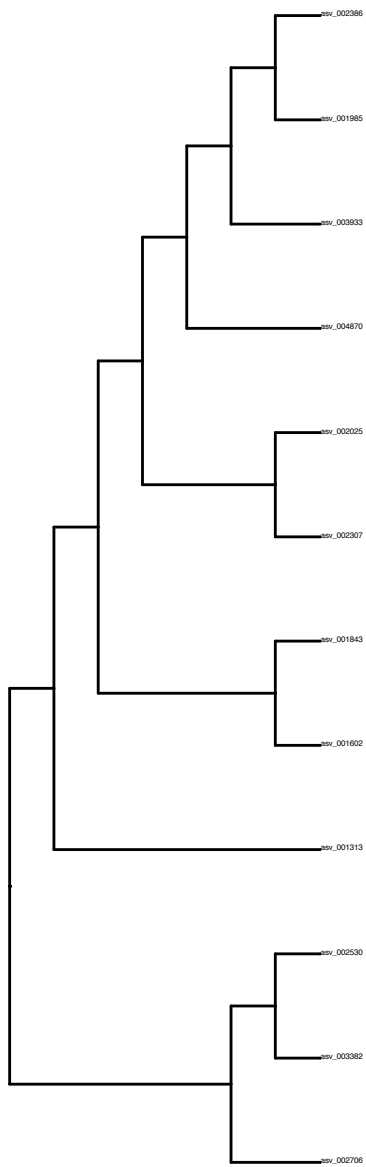
Archangium



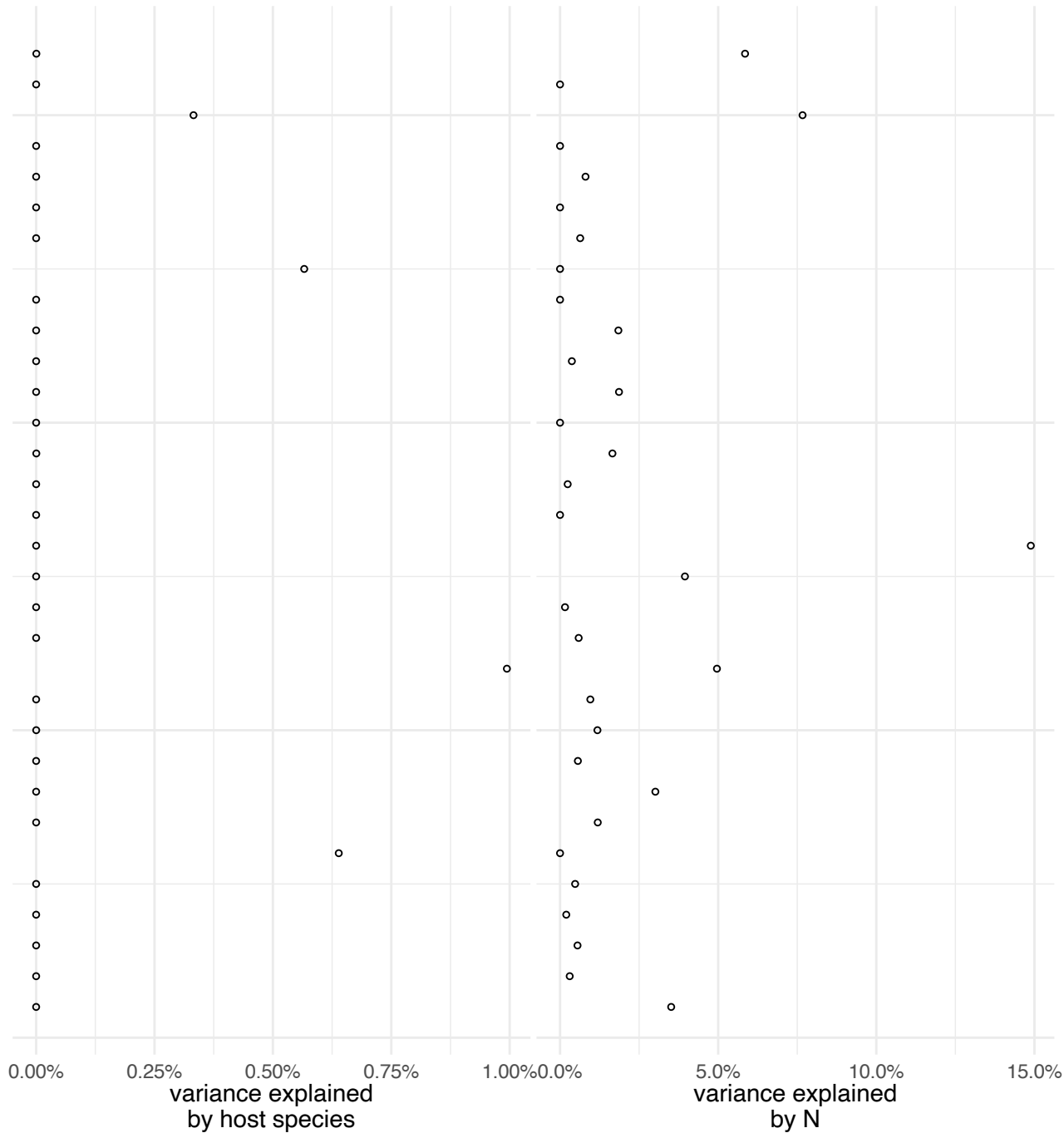
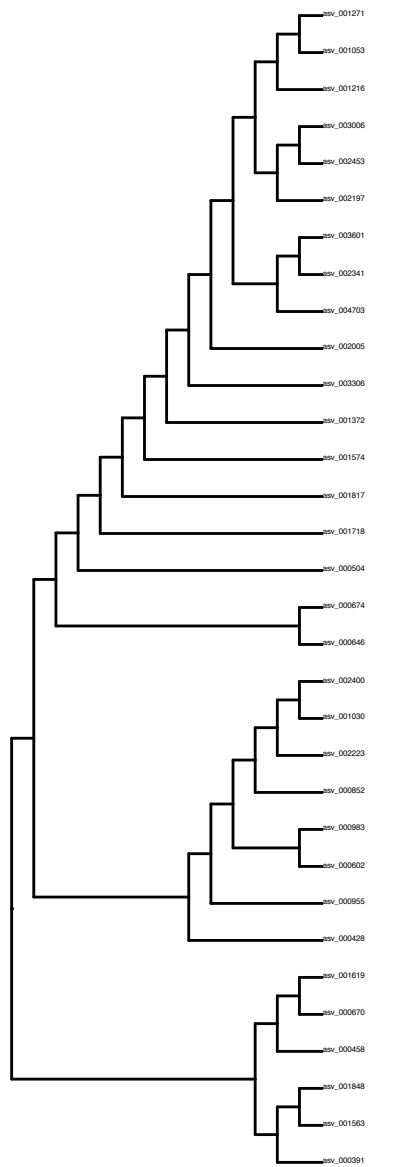
Arenimonas



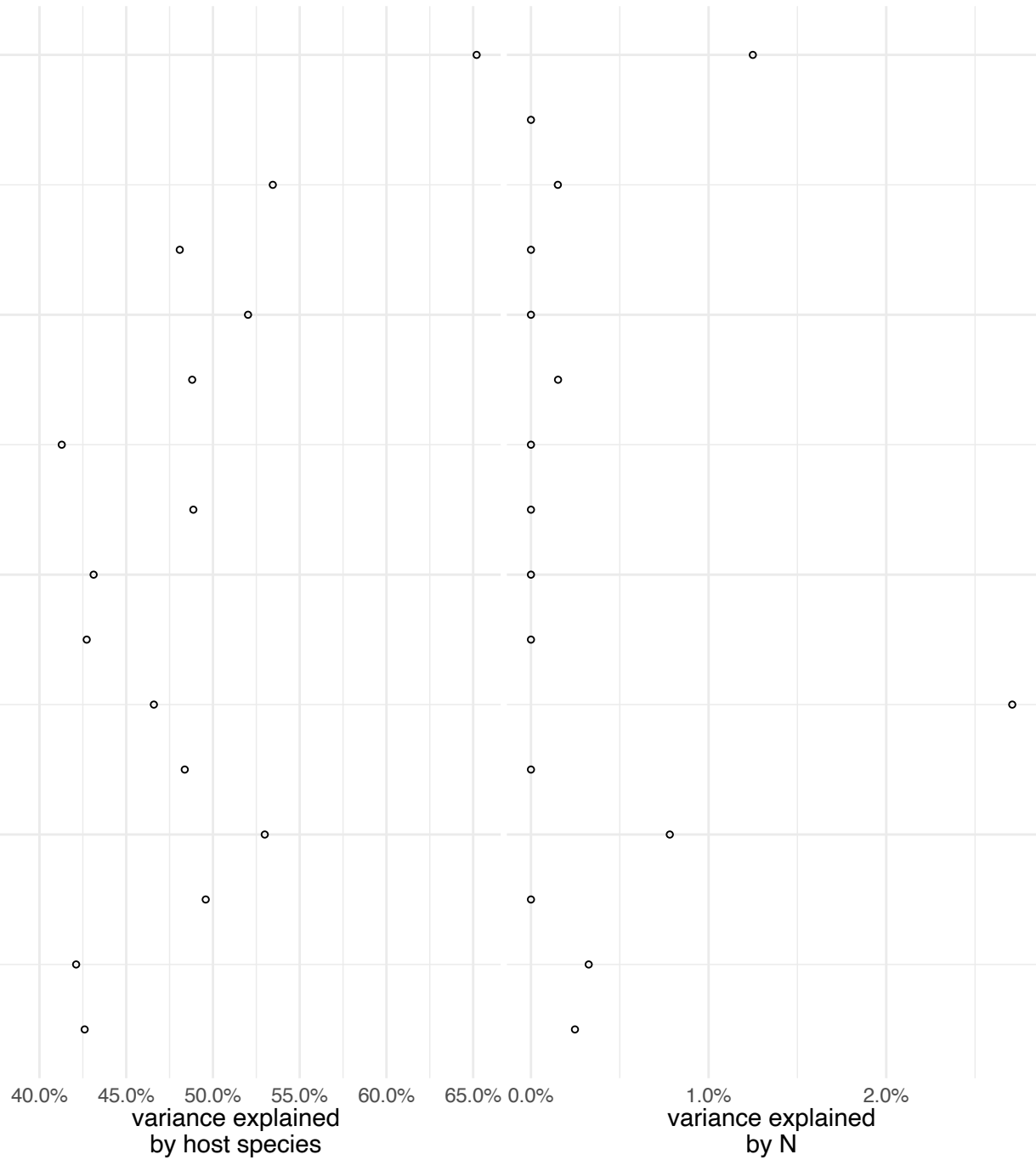
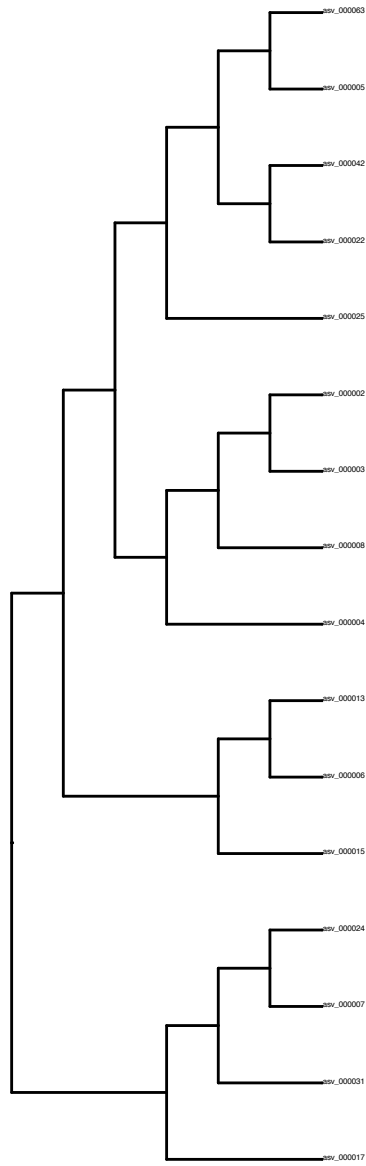
Bacillus



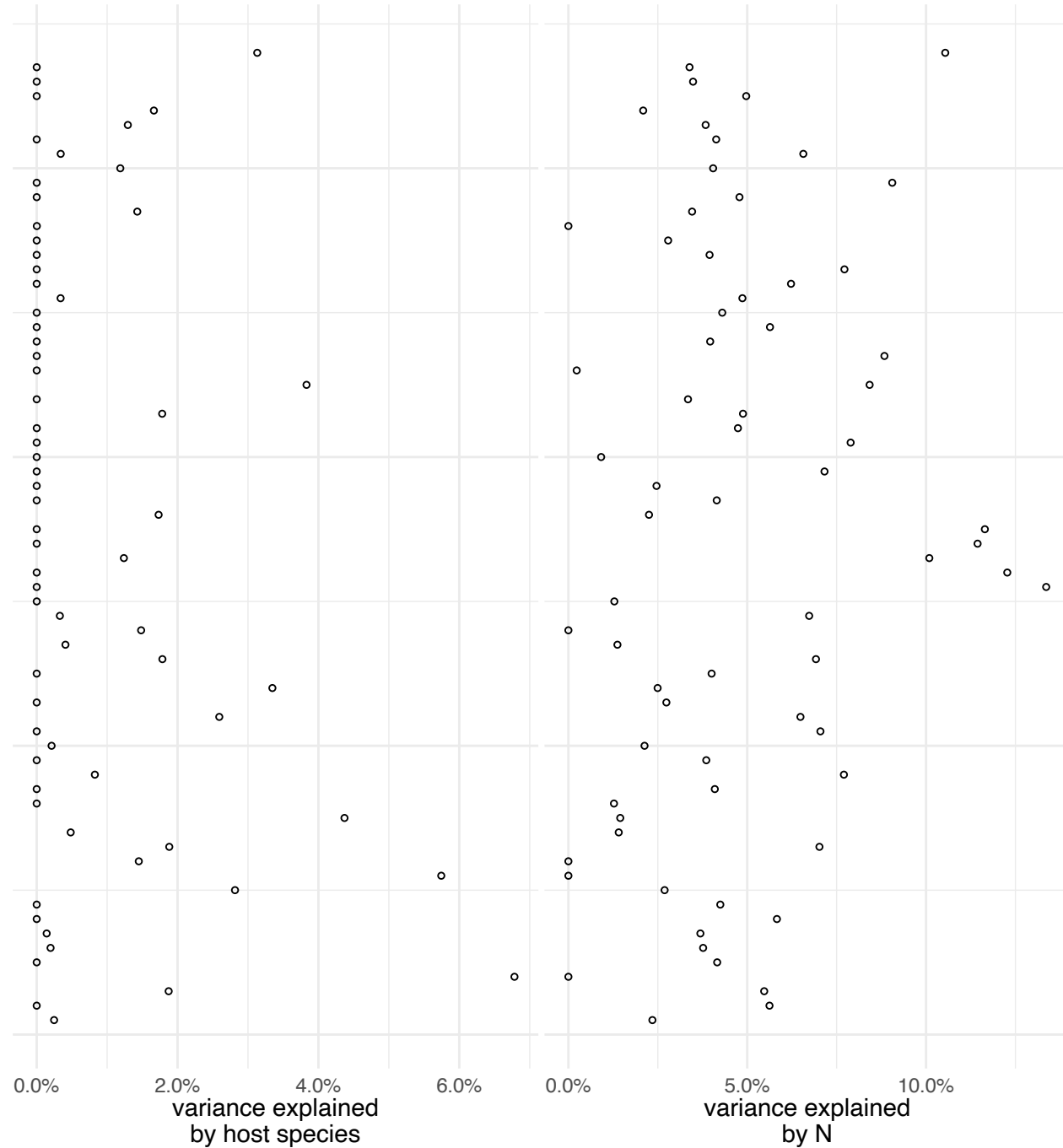
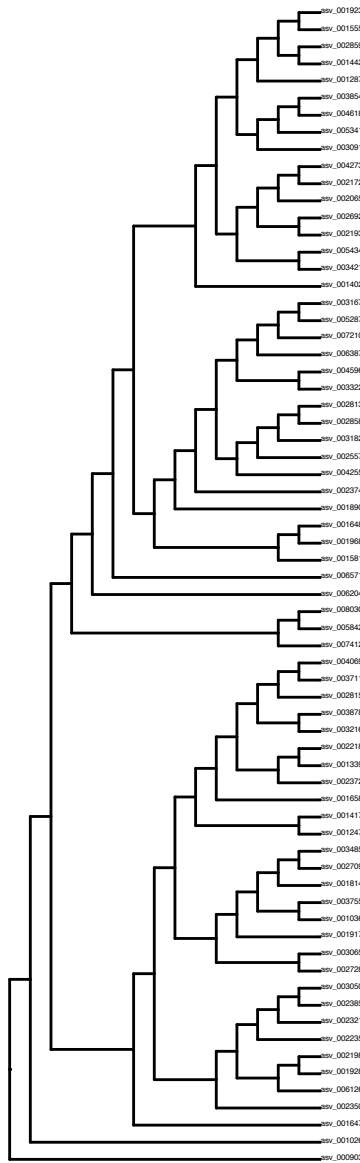
Blastococcus



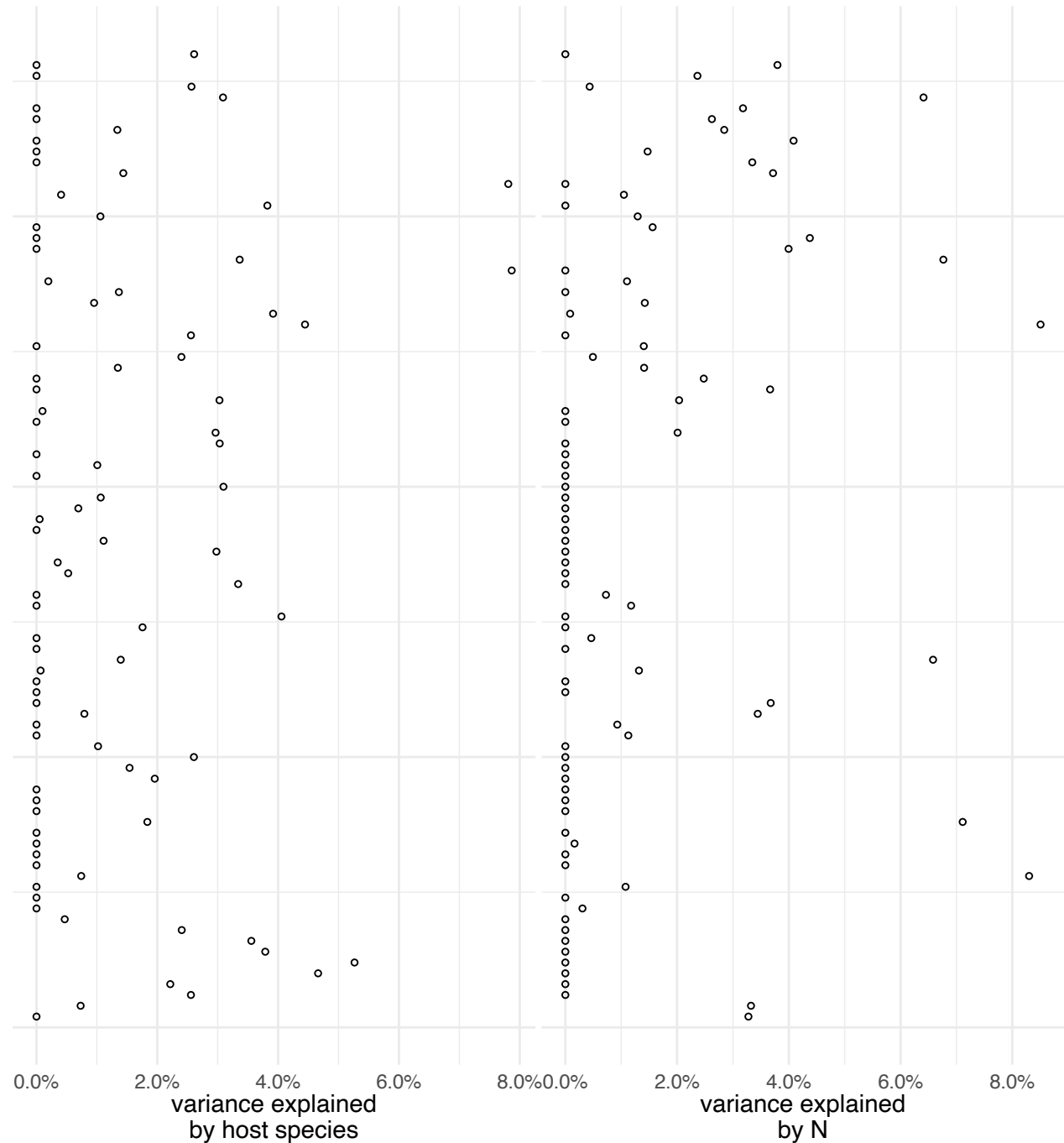
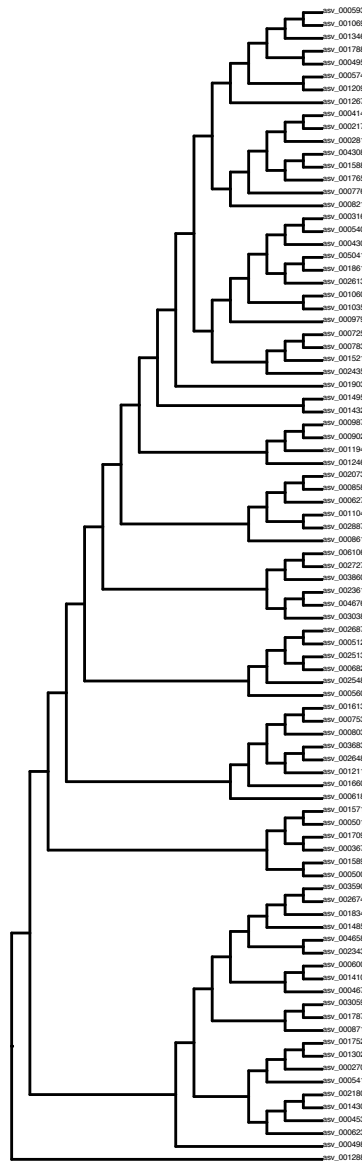
Bradyrhizobium



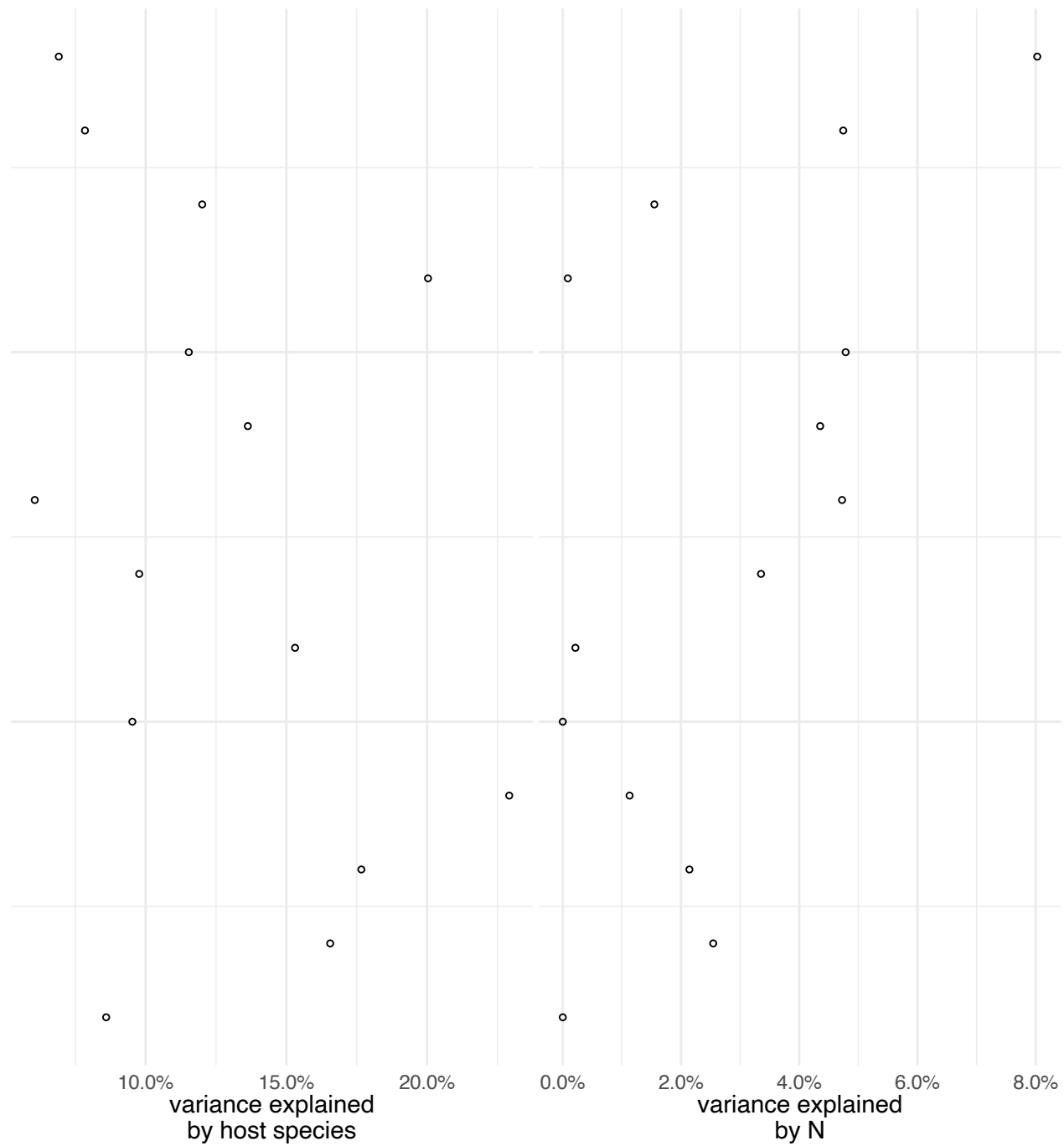
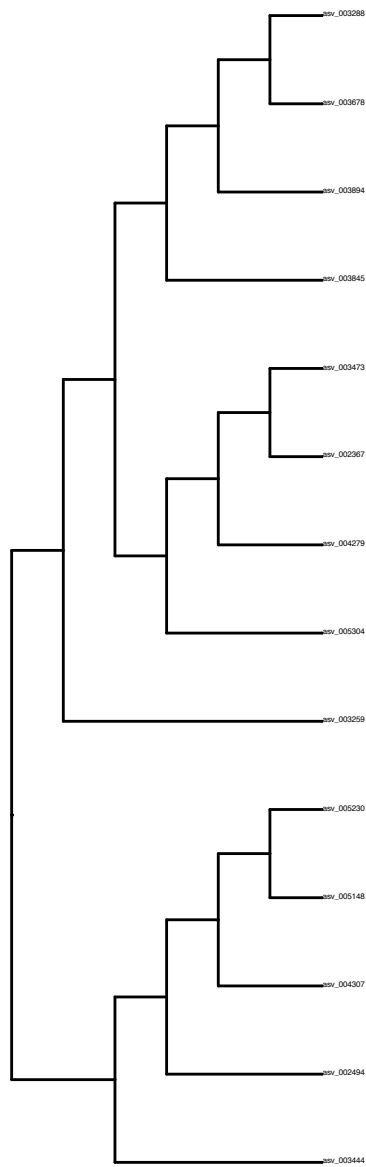
Candidatus_Nitrocosmicus



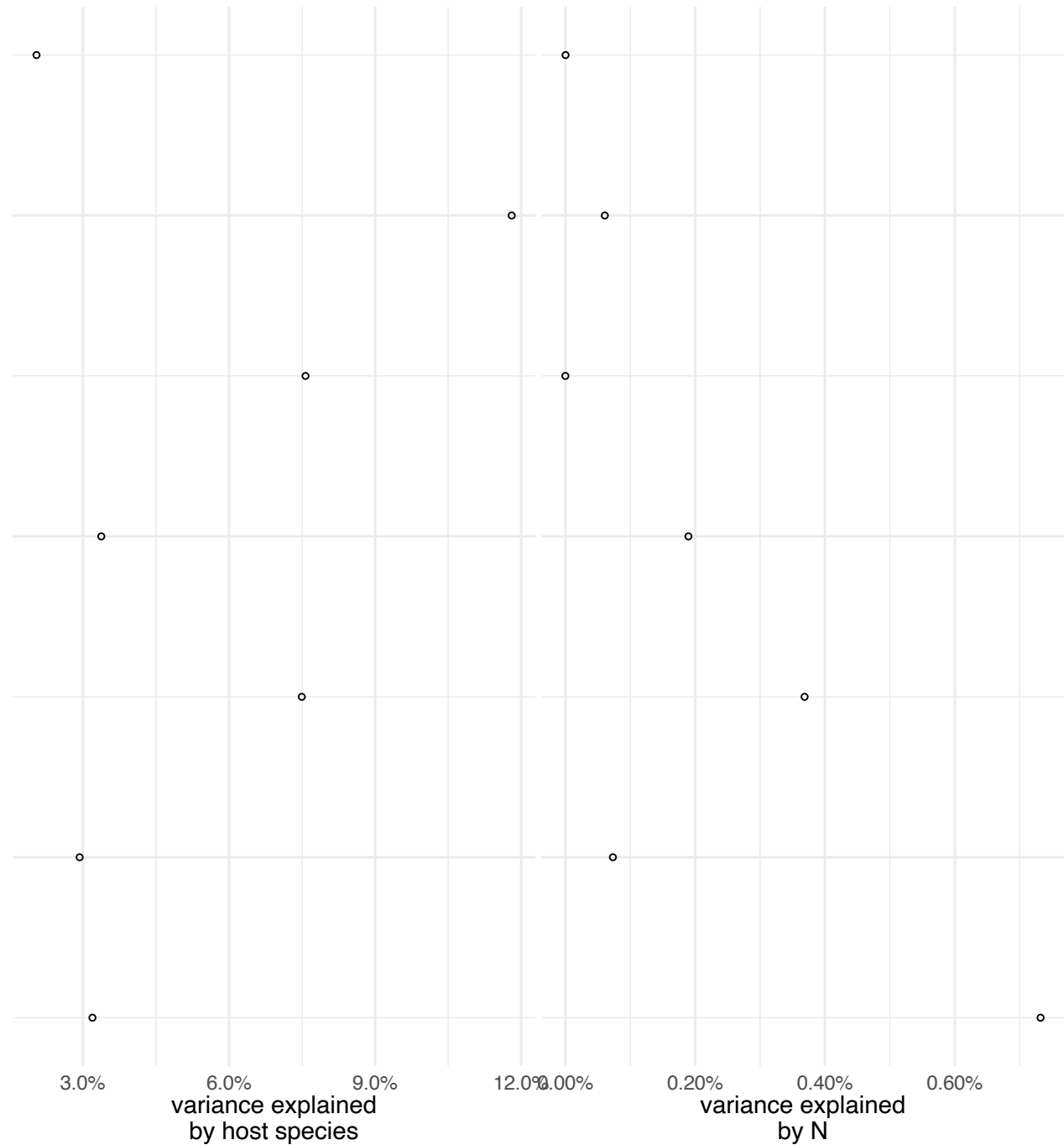
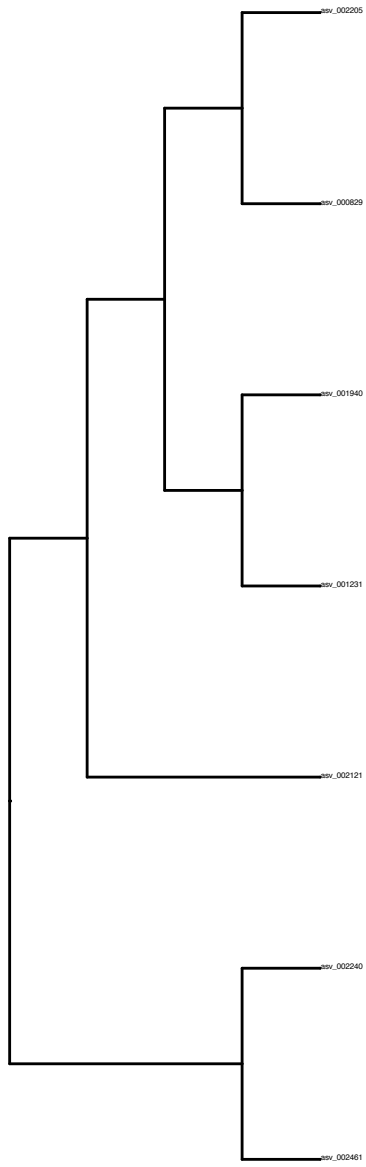
Candidatus_Udaeobacter



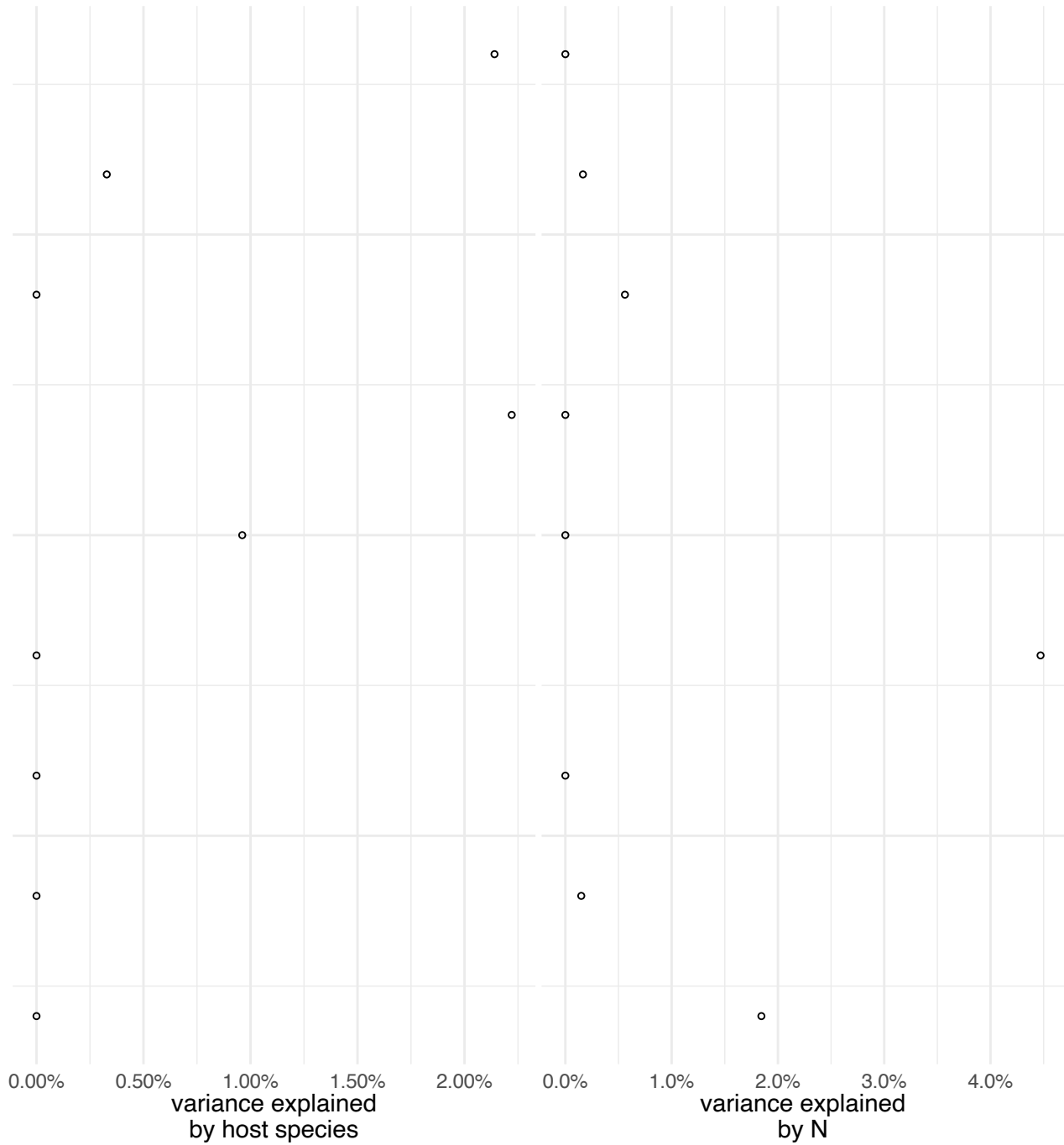
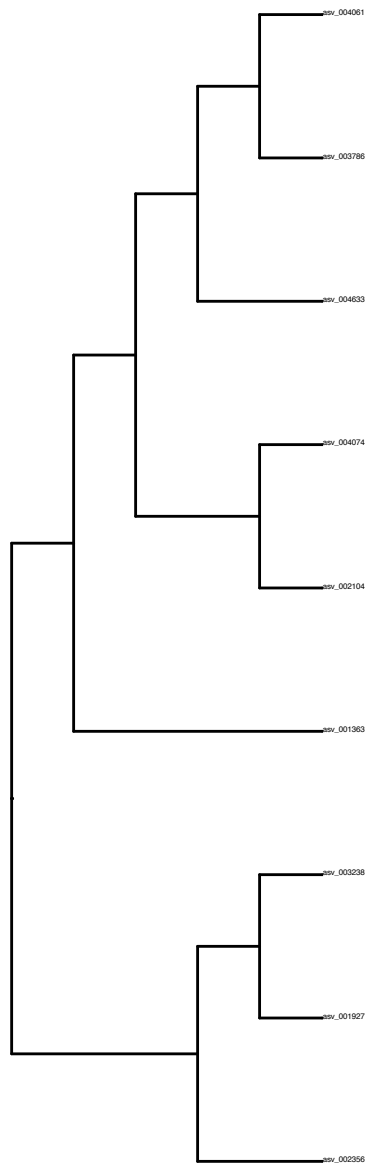
Caulobacter



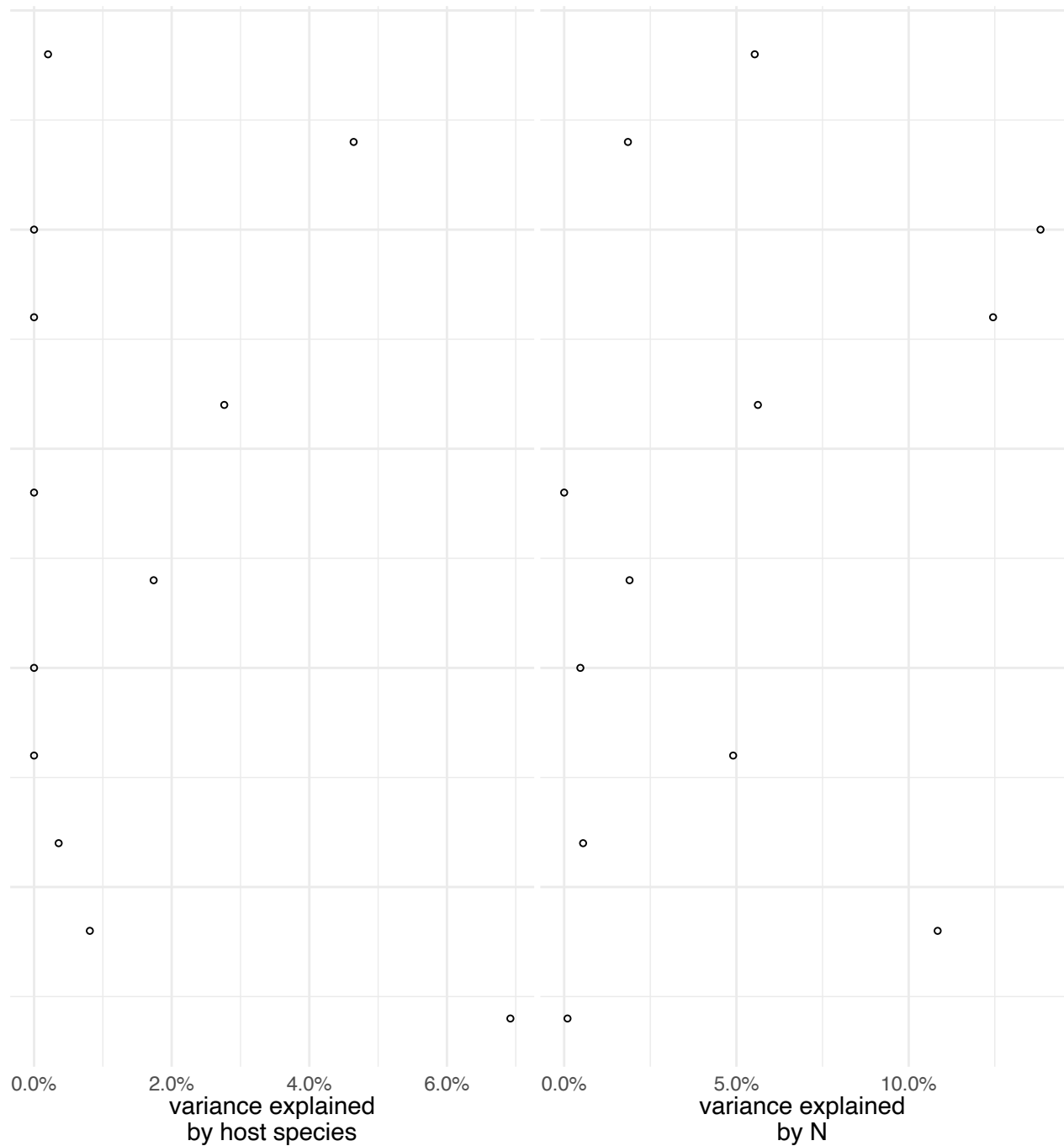
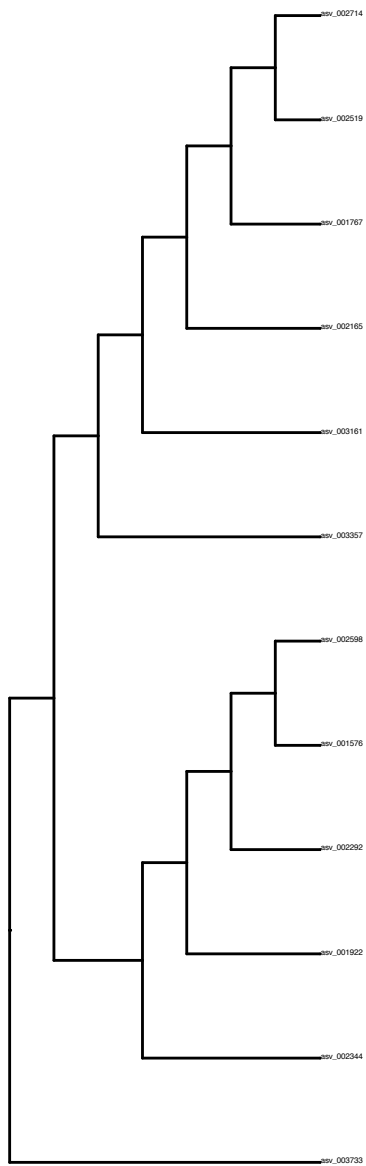
Chungangia



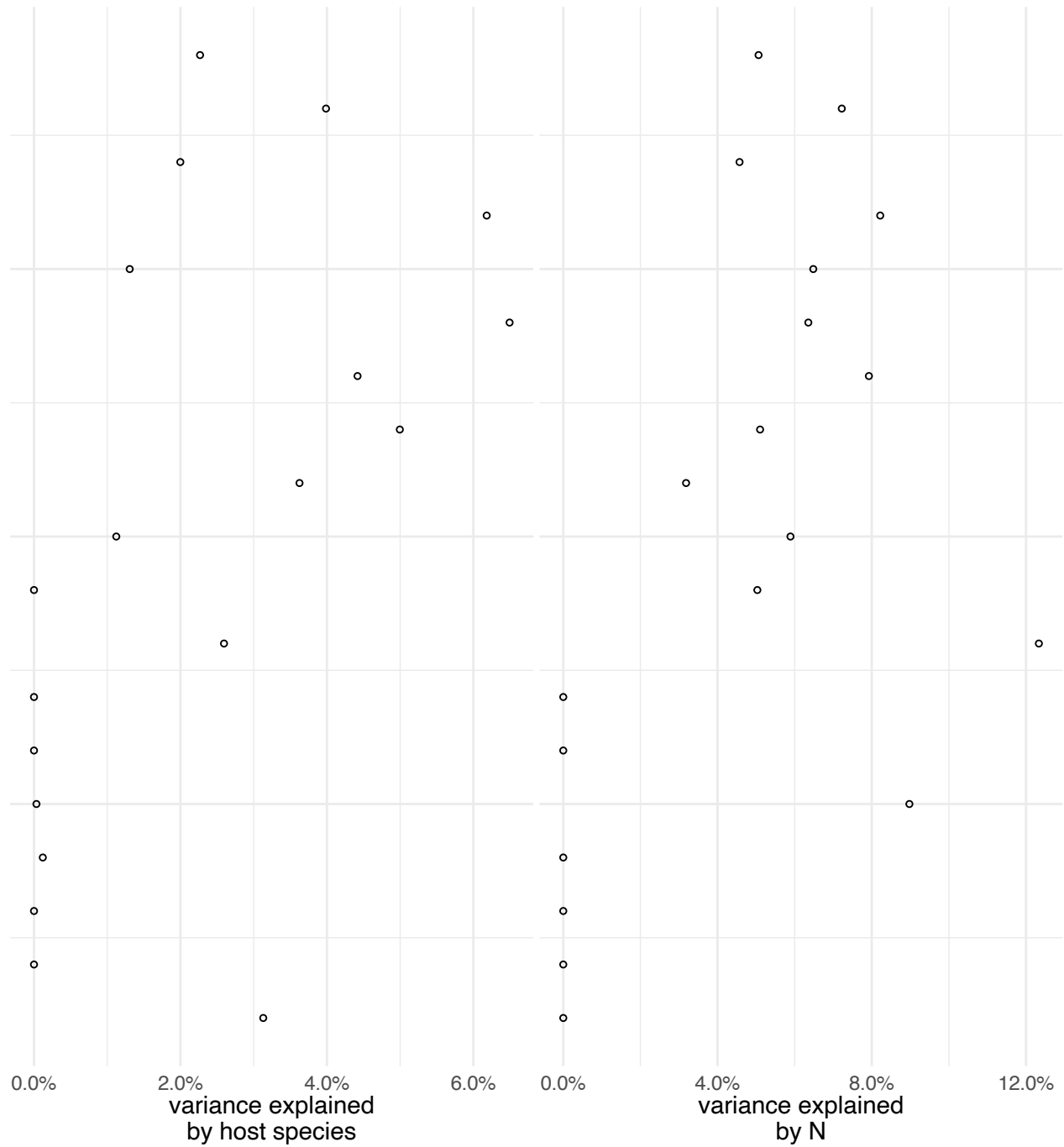
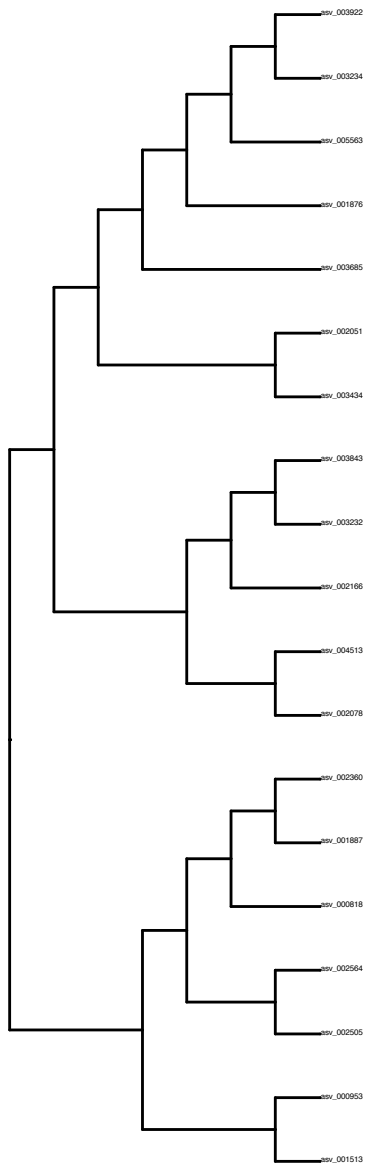
Conexibacter



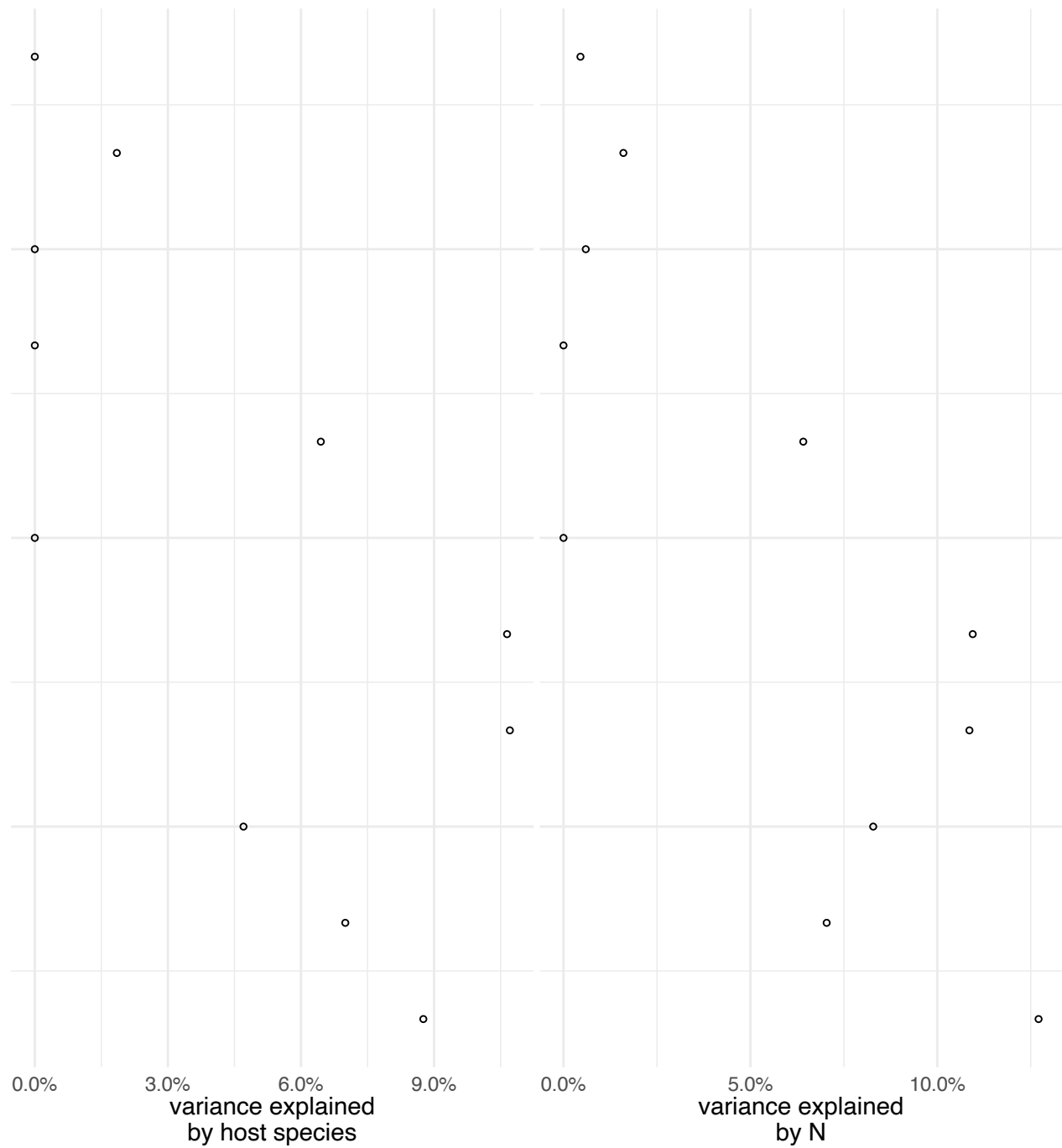
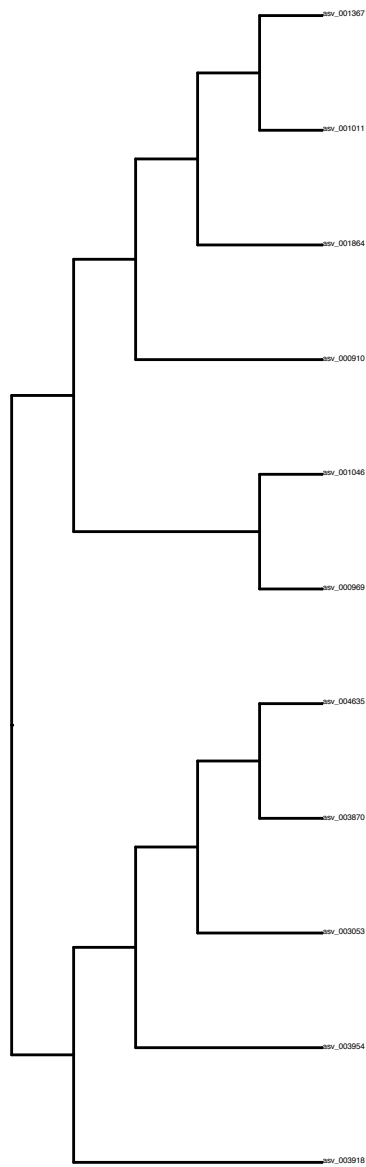
Dongia



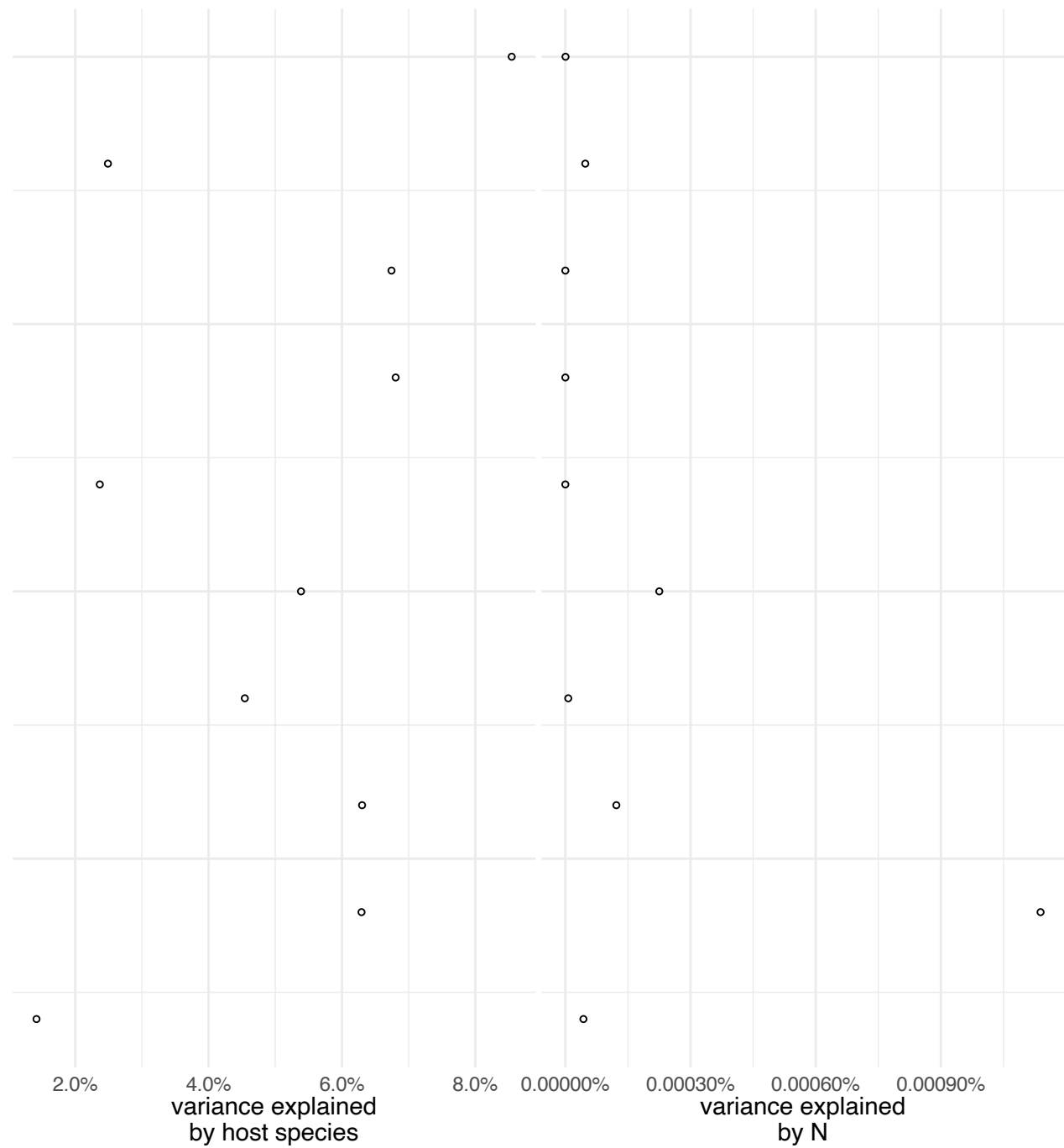
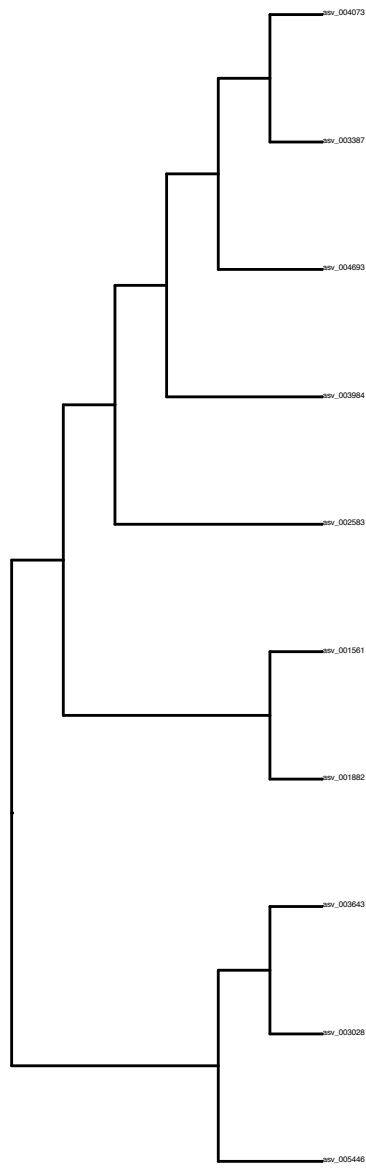
Gaiella



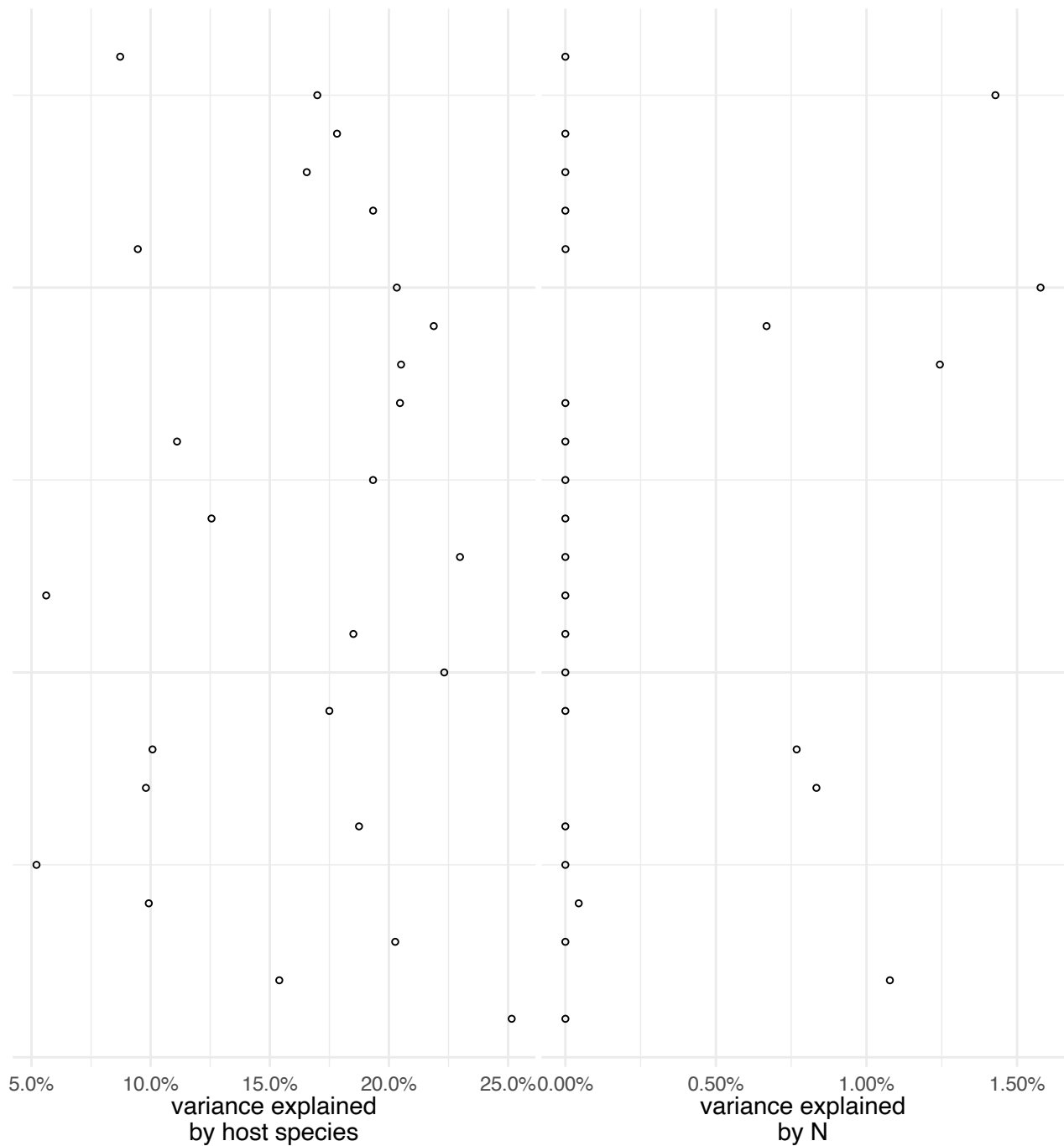
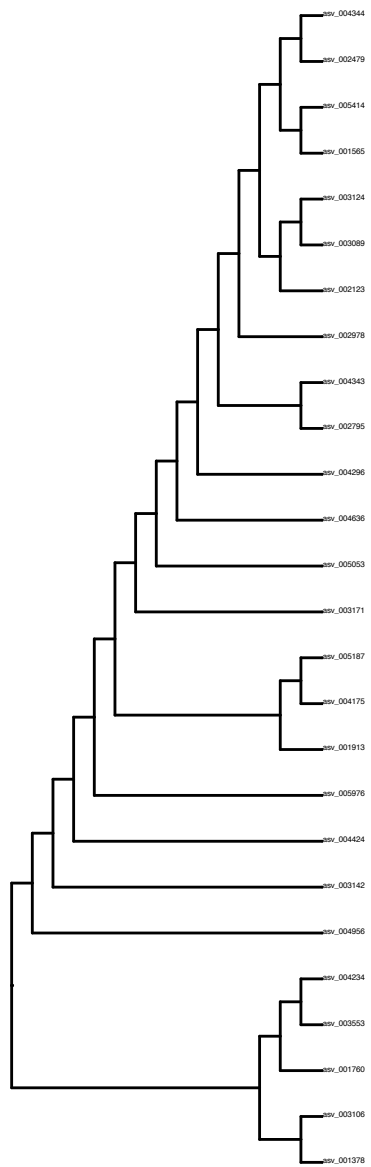
Gemmatimonas



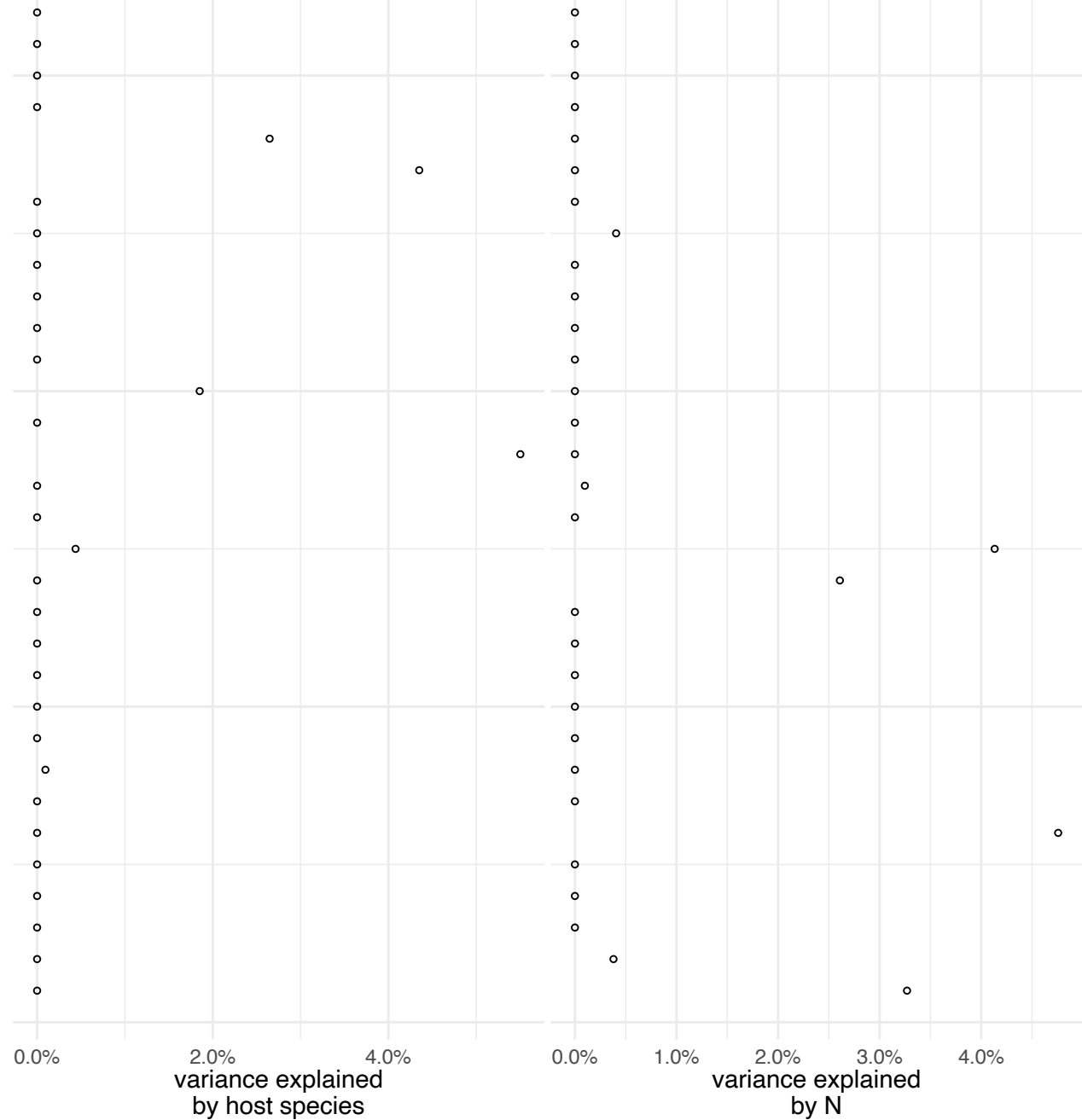
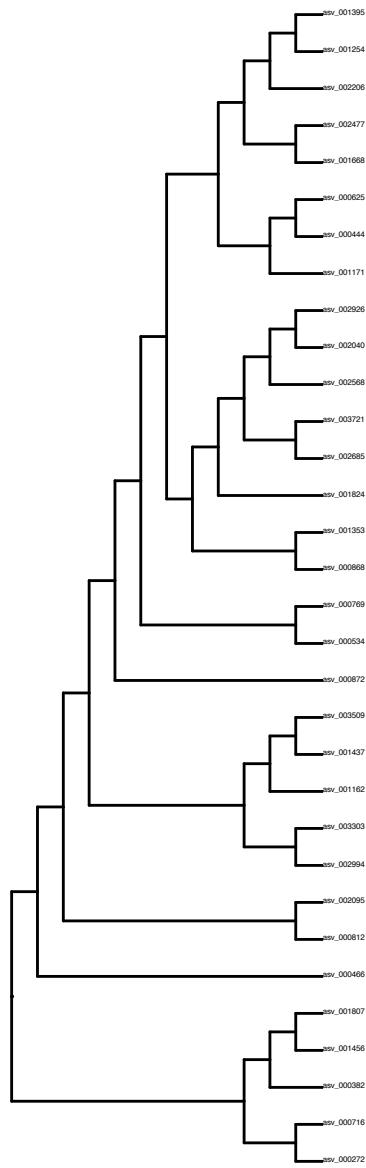
Herbaspirillum



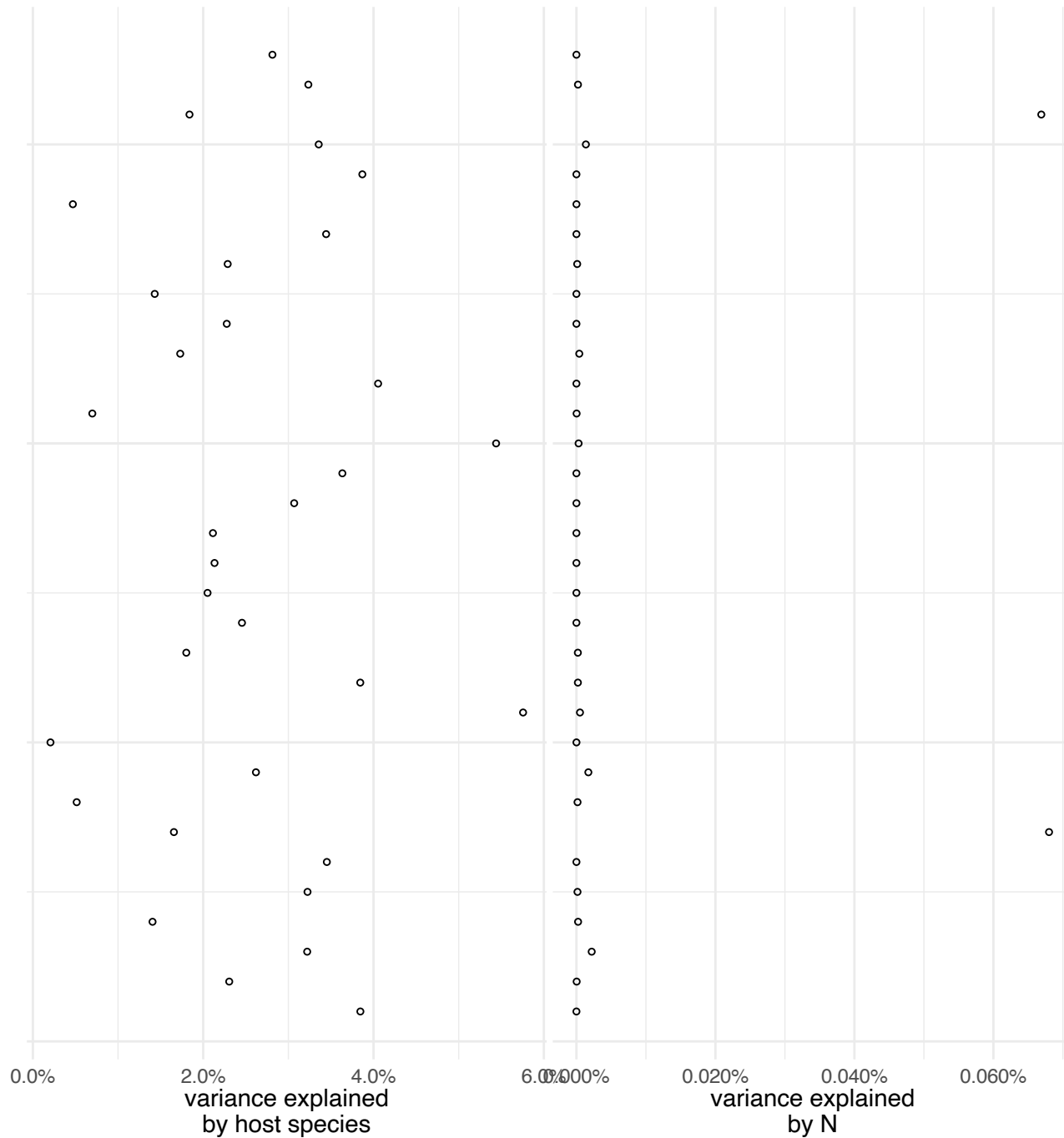
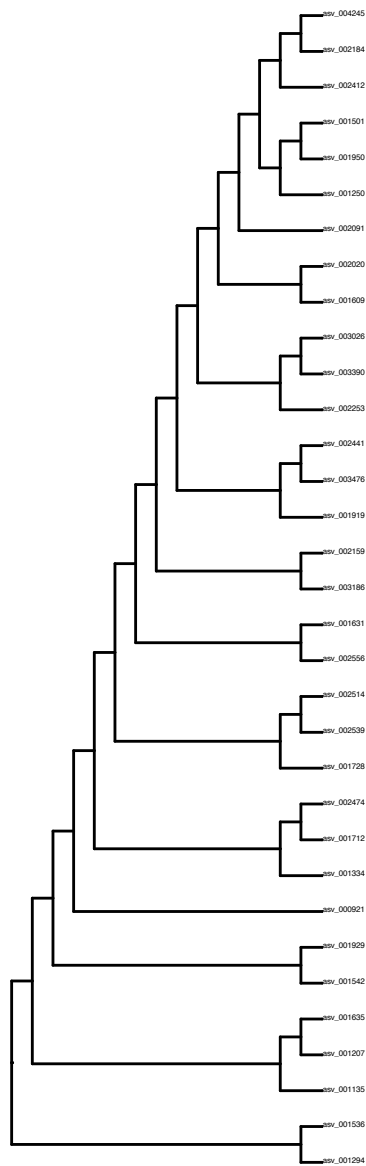
Inquilinus



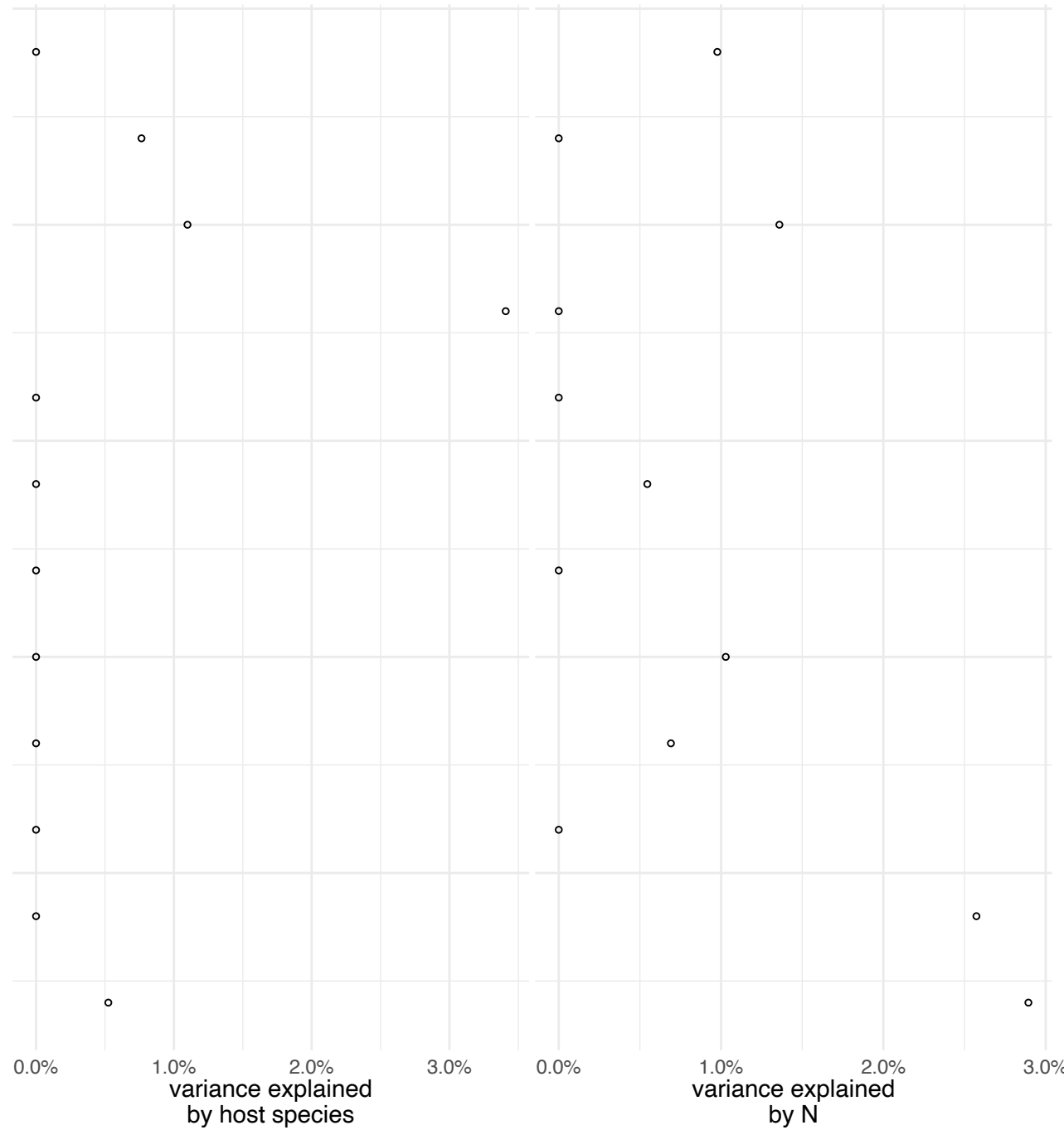
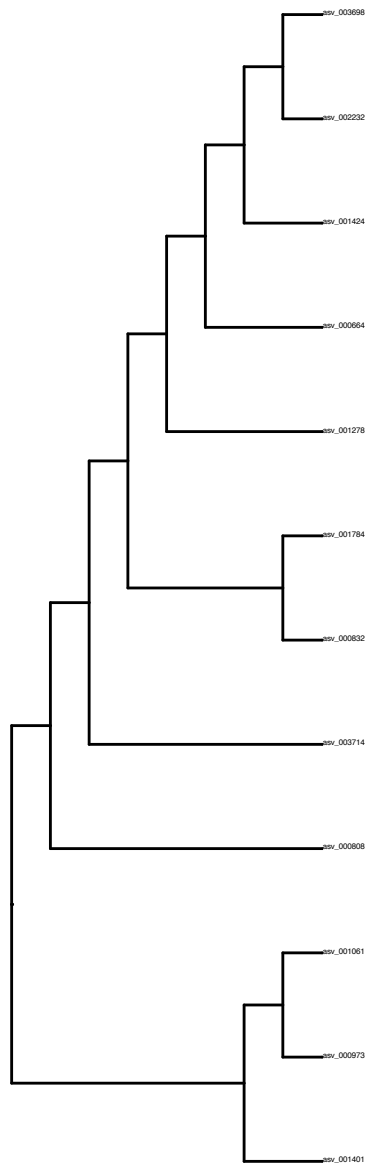
Lapillicoccus



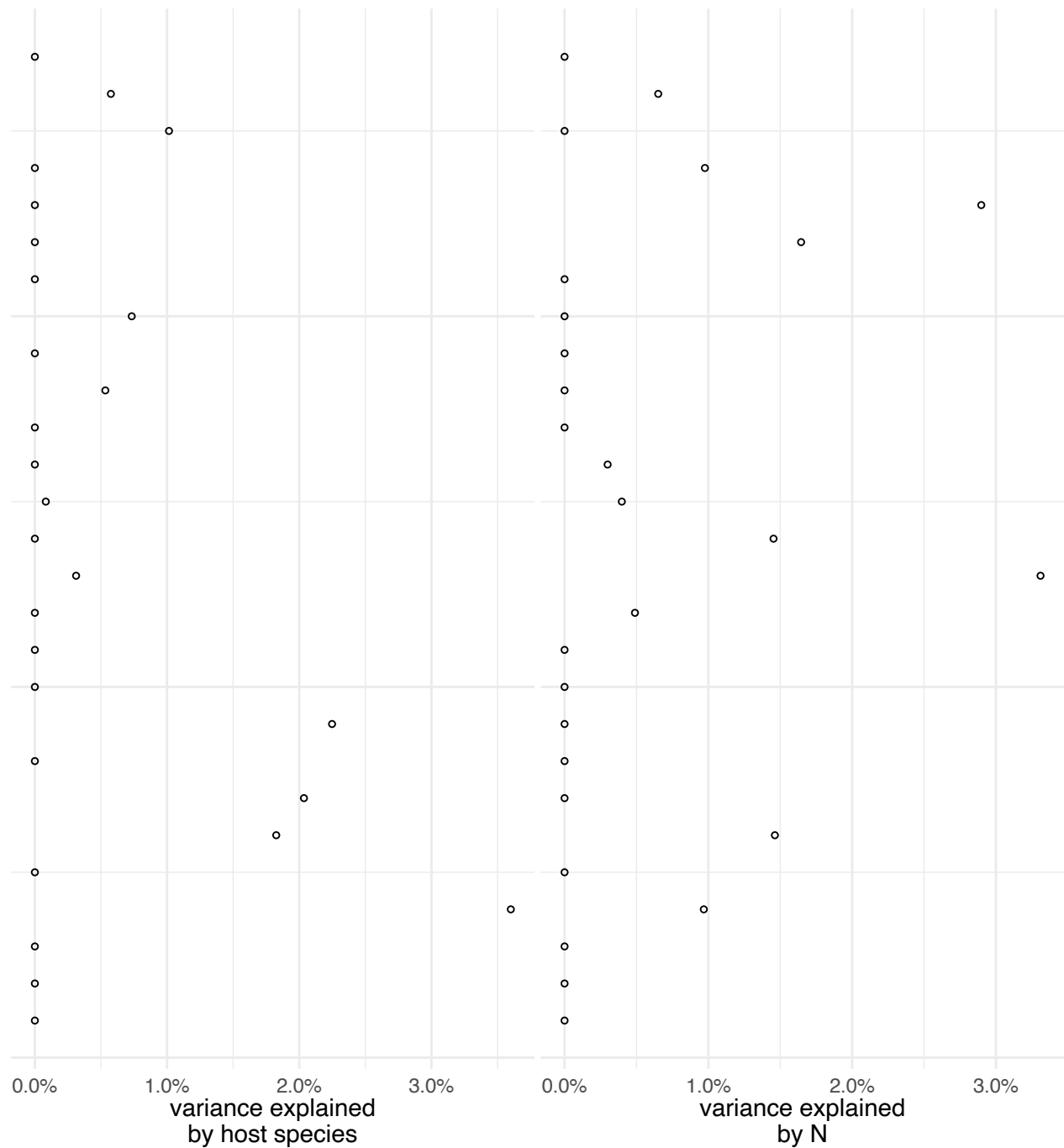
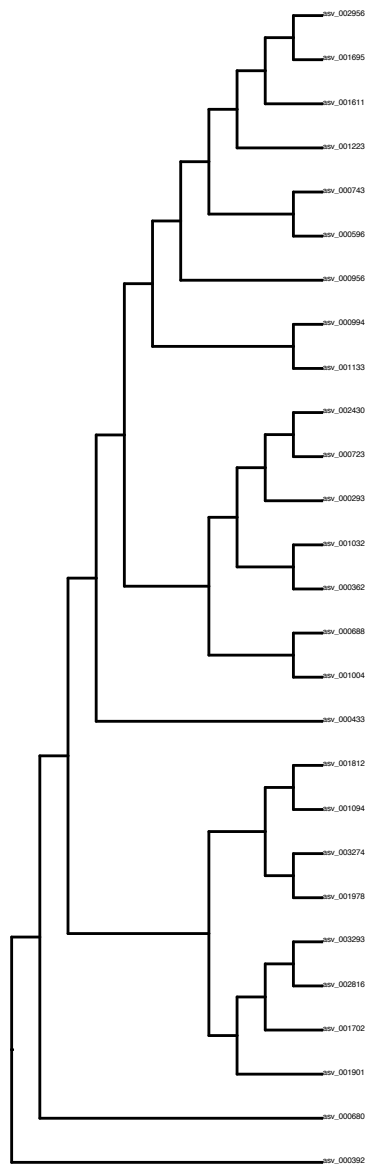
Limnobacter



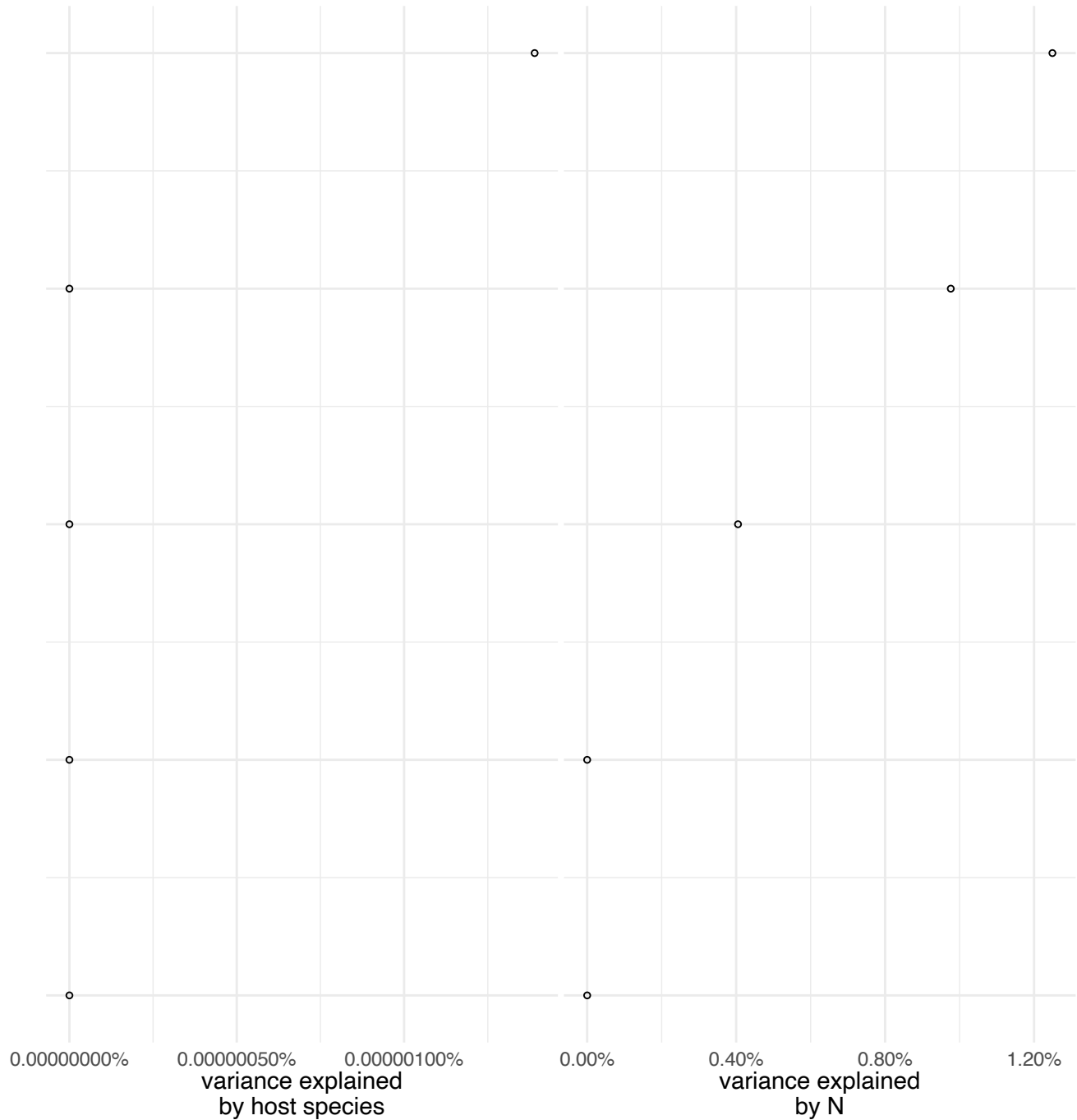
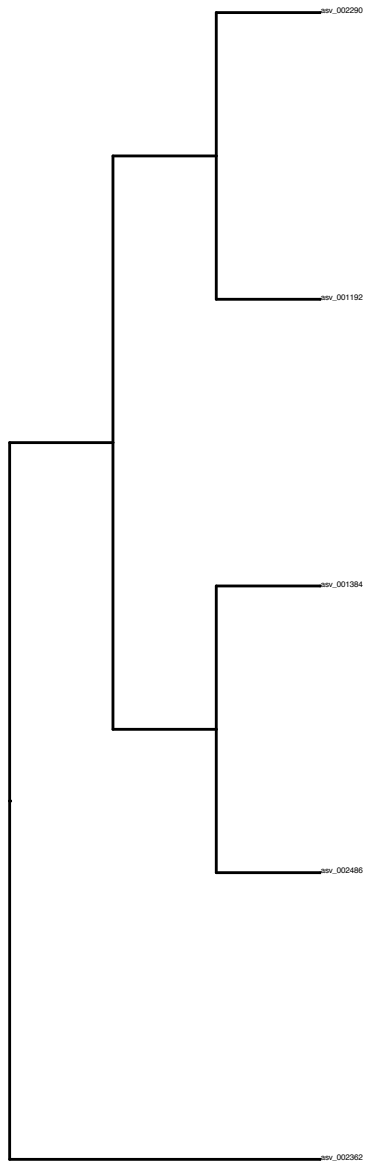
Marmoricola



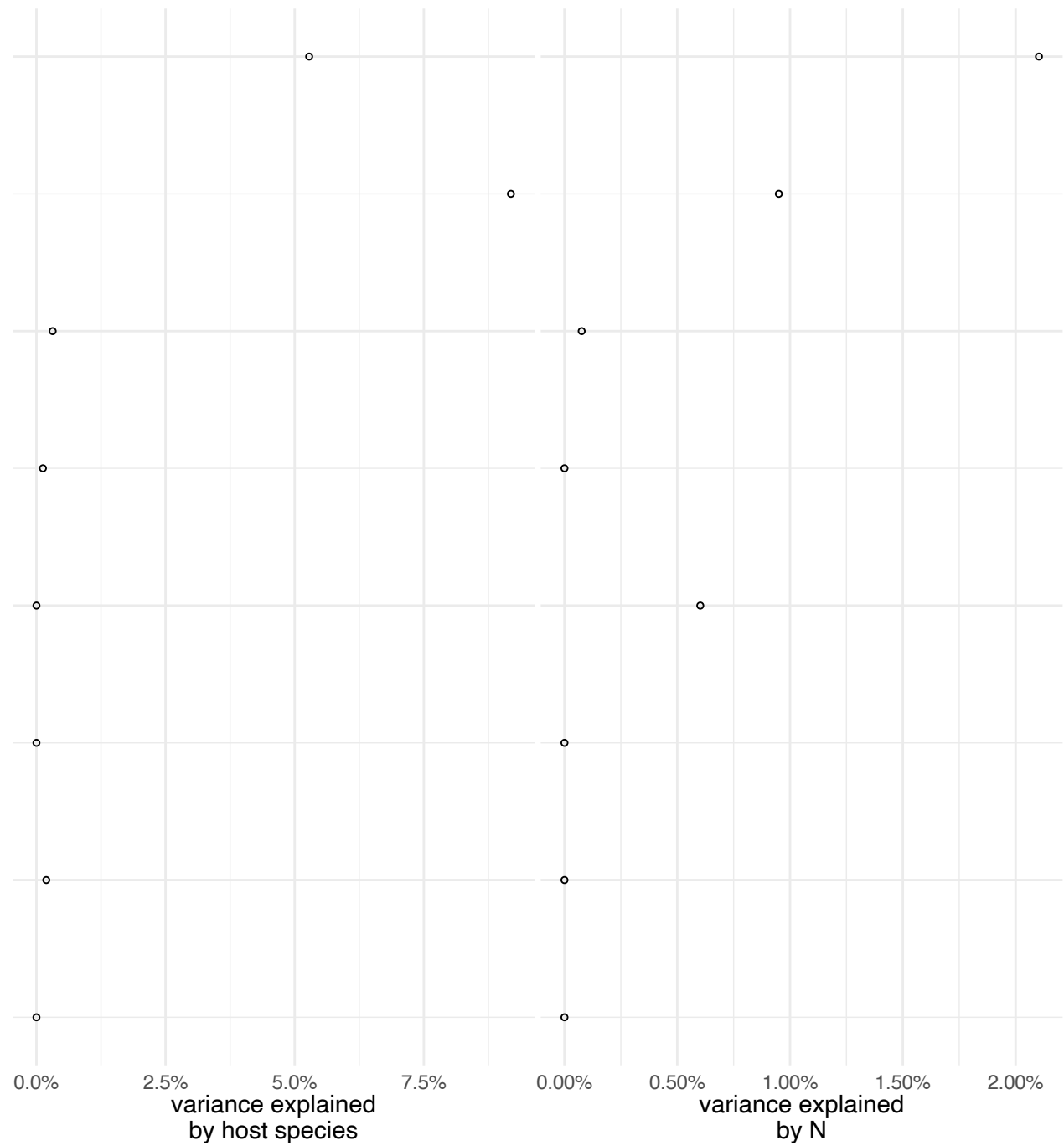
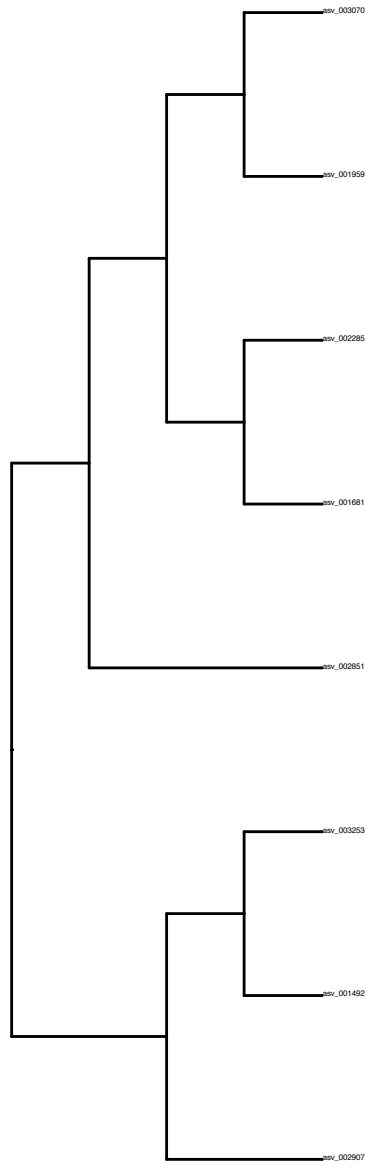
Microlunatus



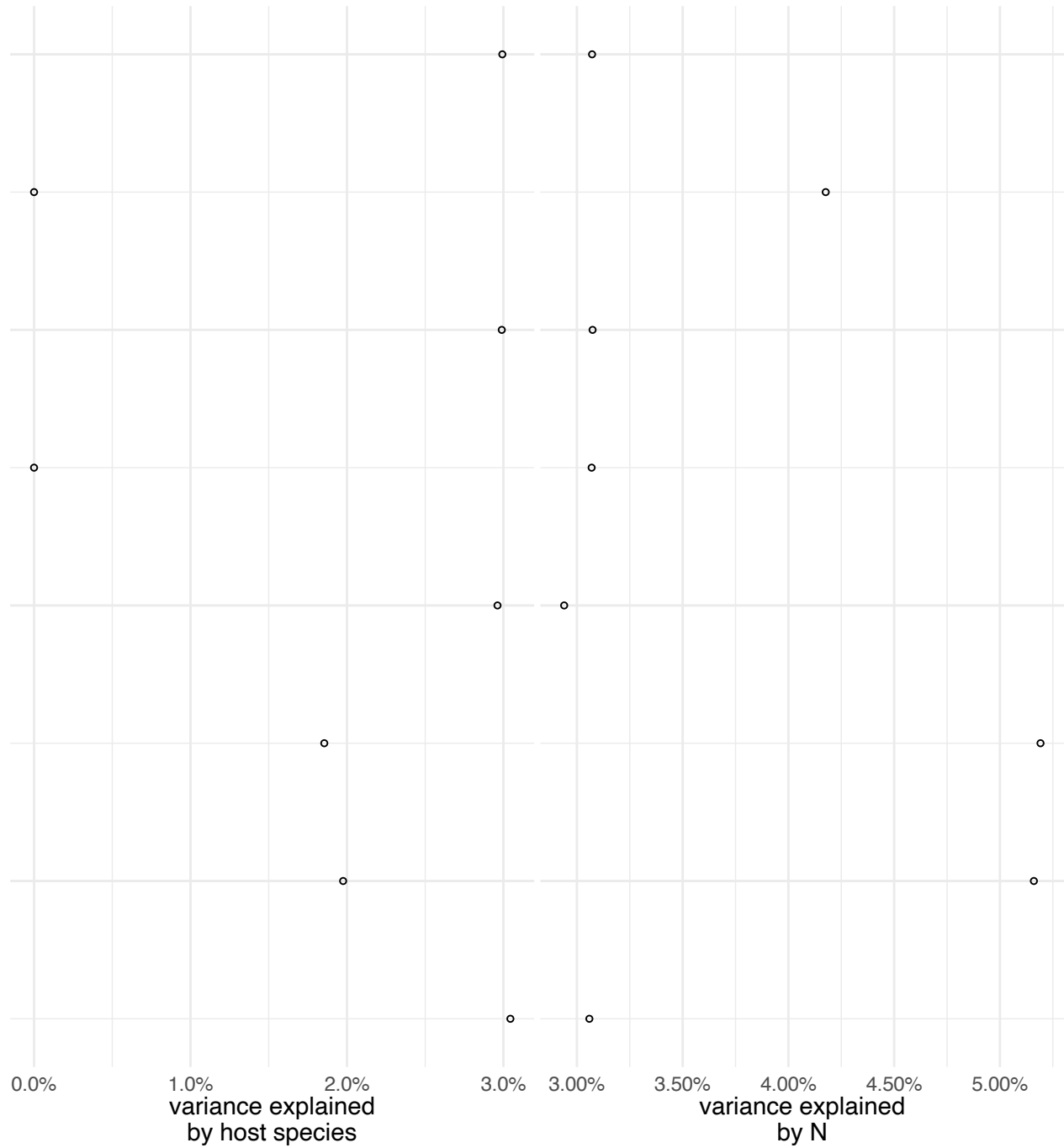
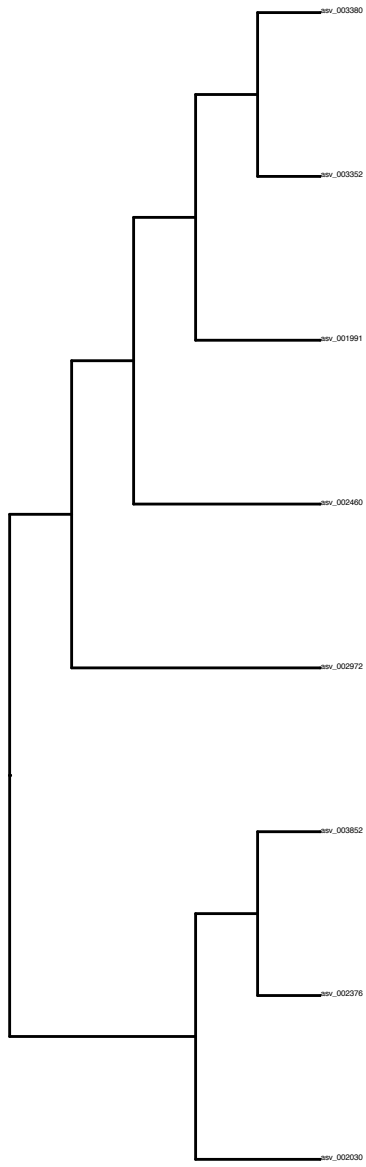
Microvirga



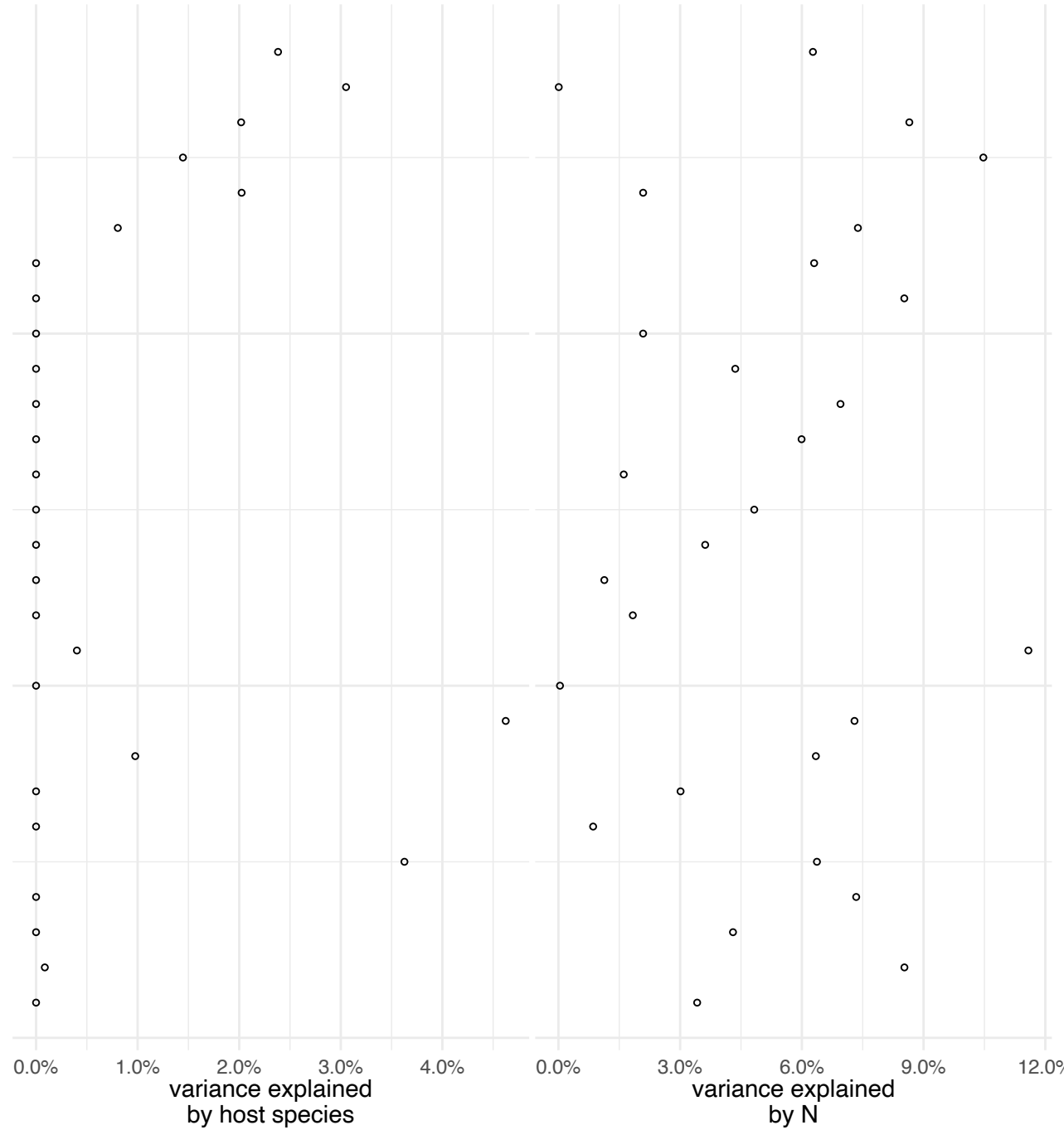
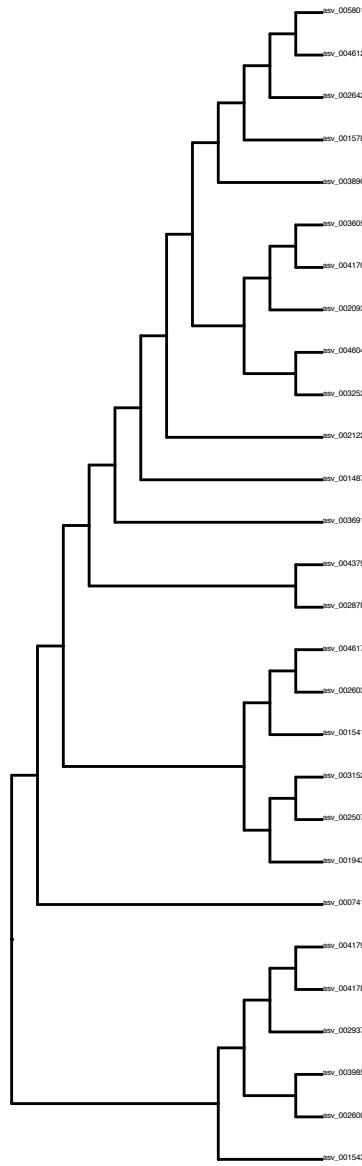
mle1-7



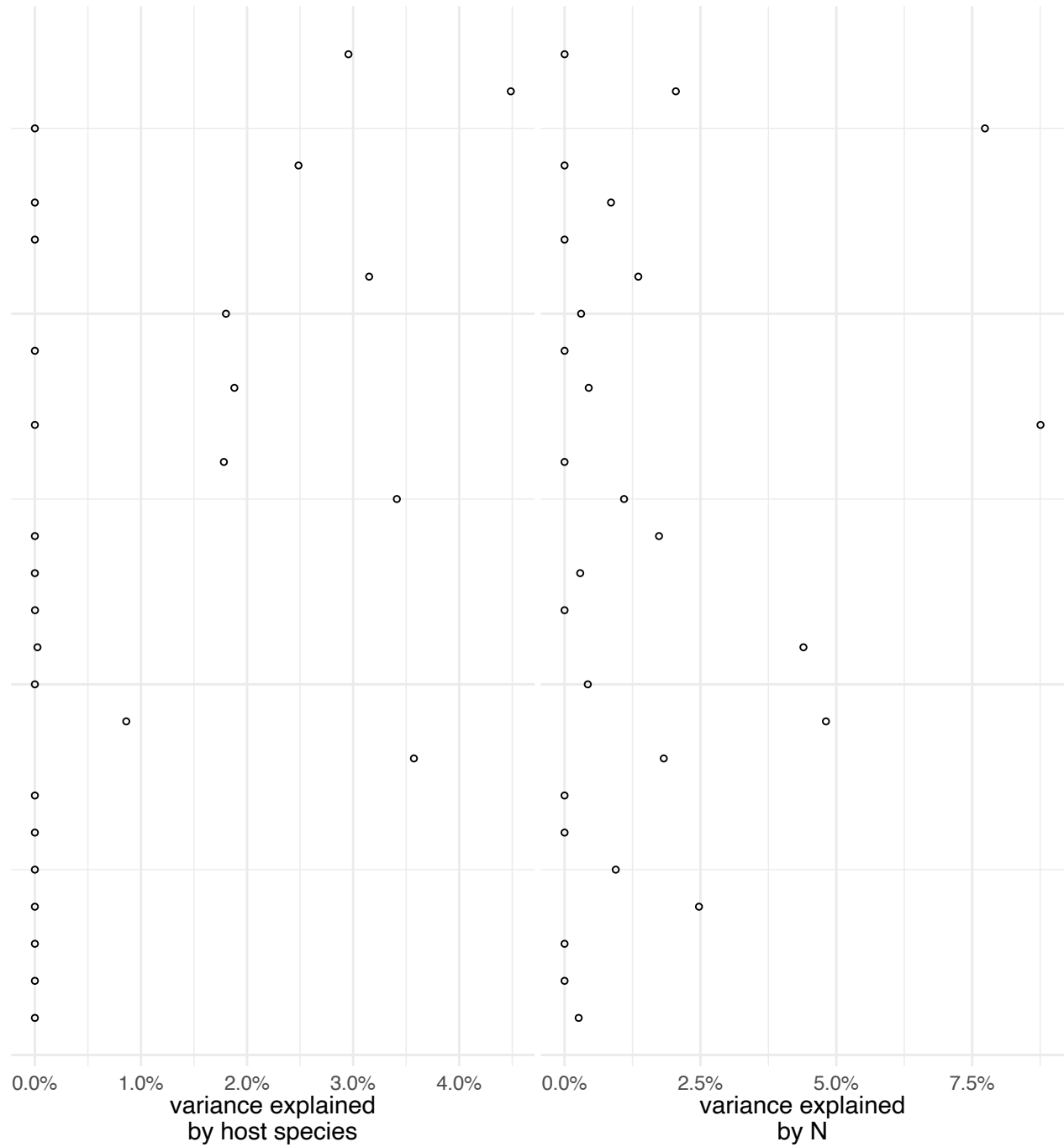
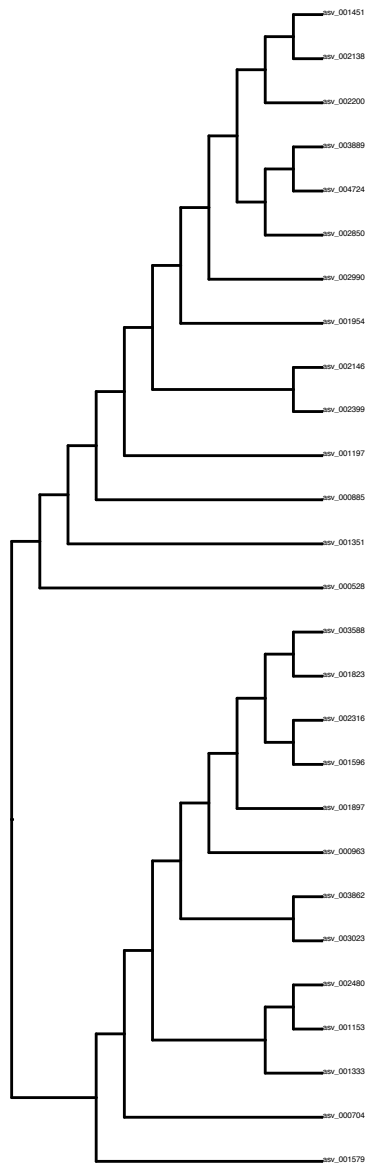
MND1



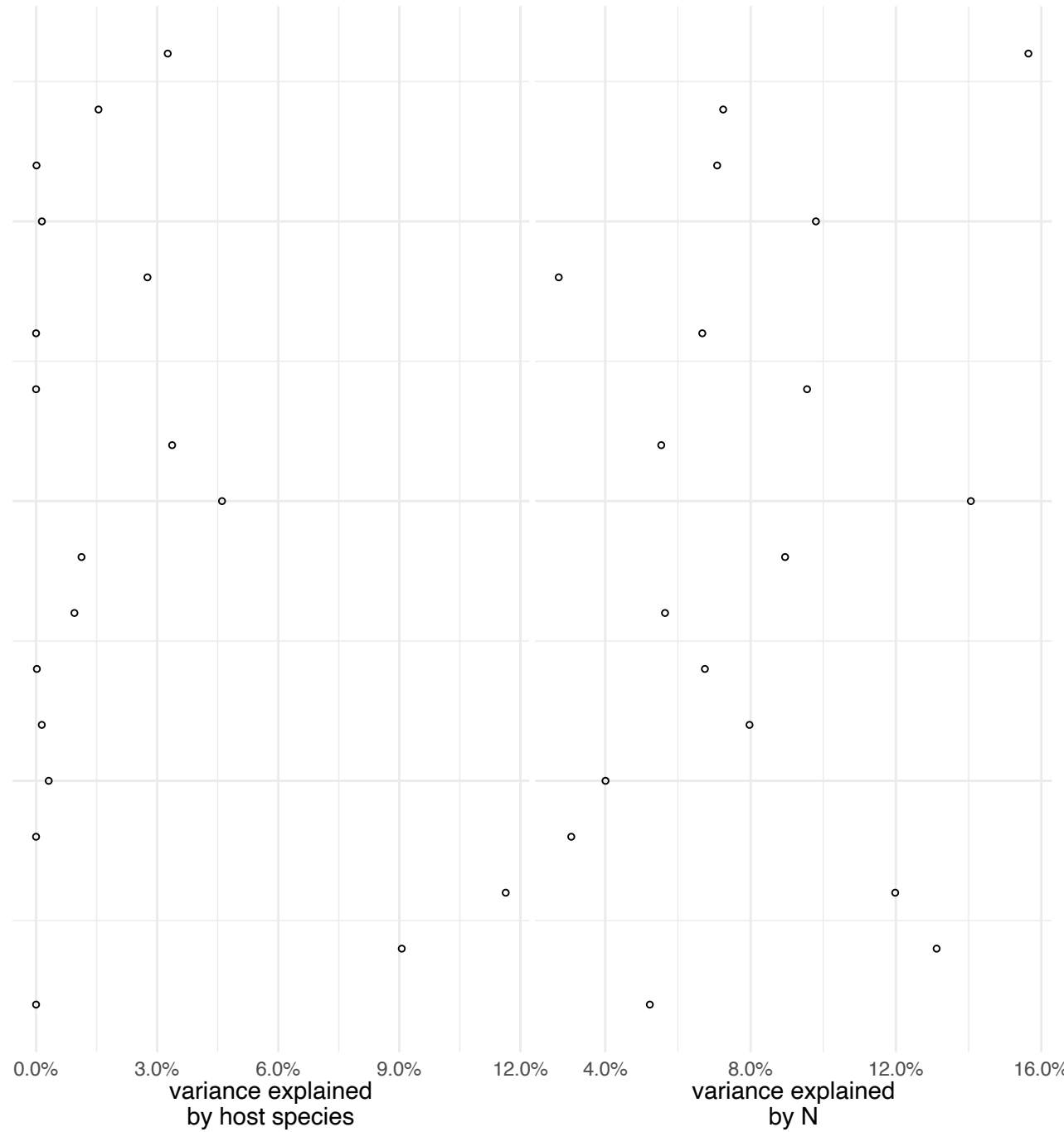
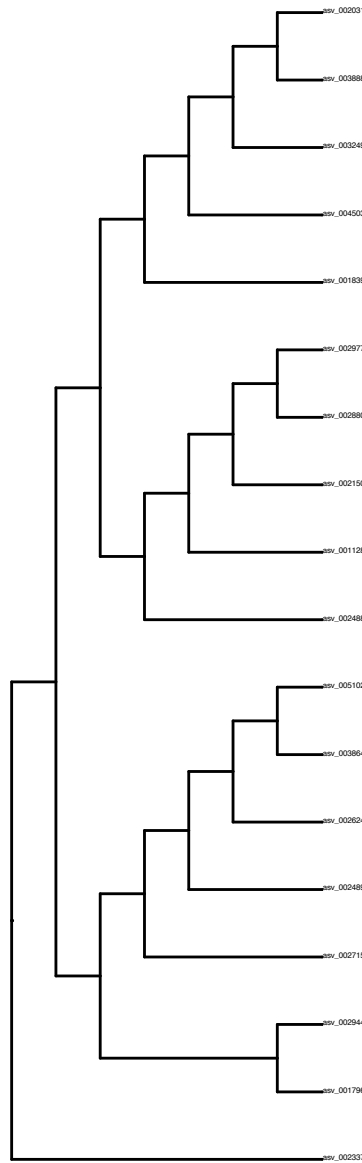
Nitrosospira



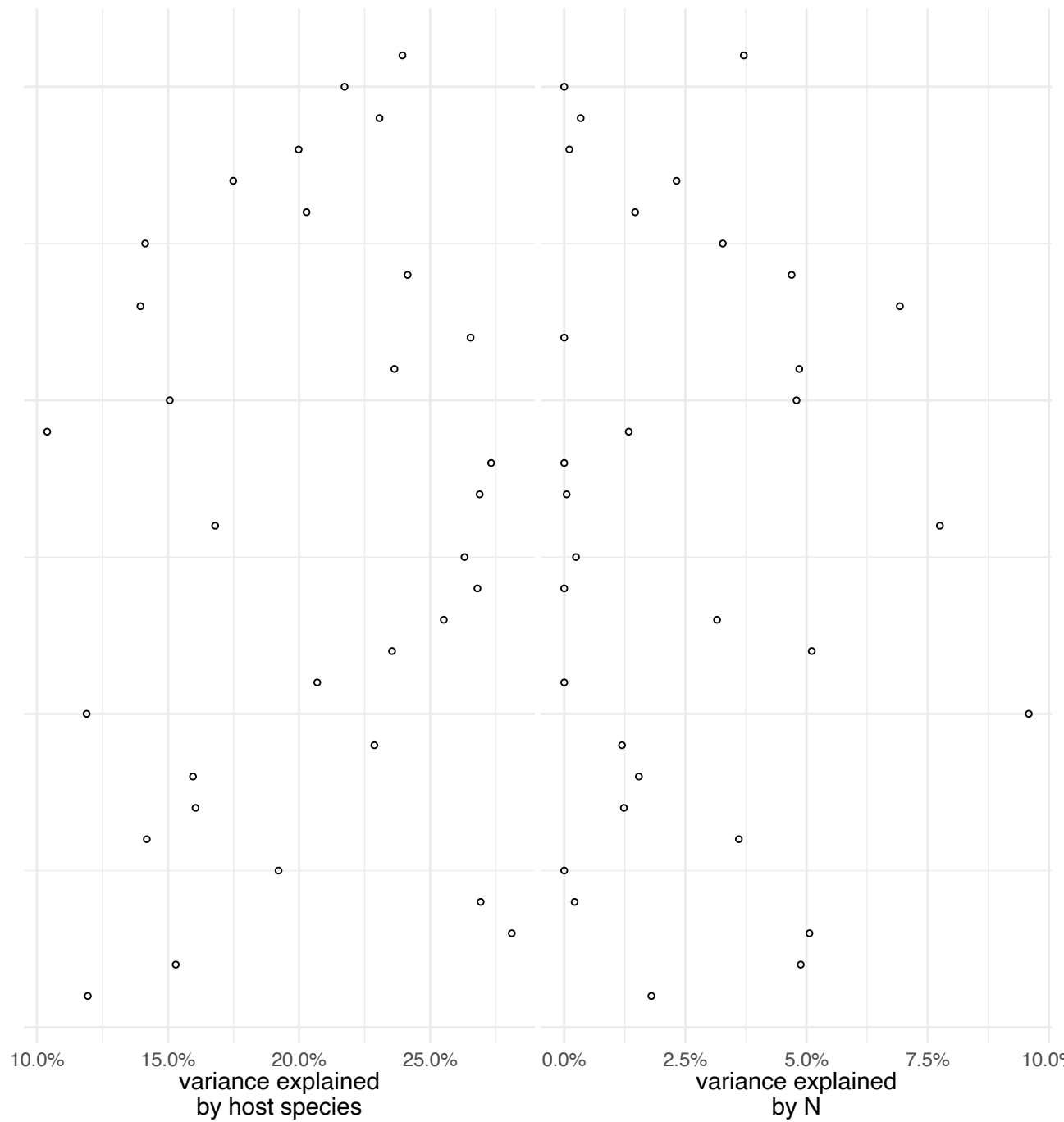
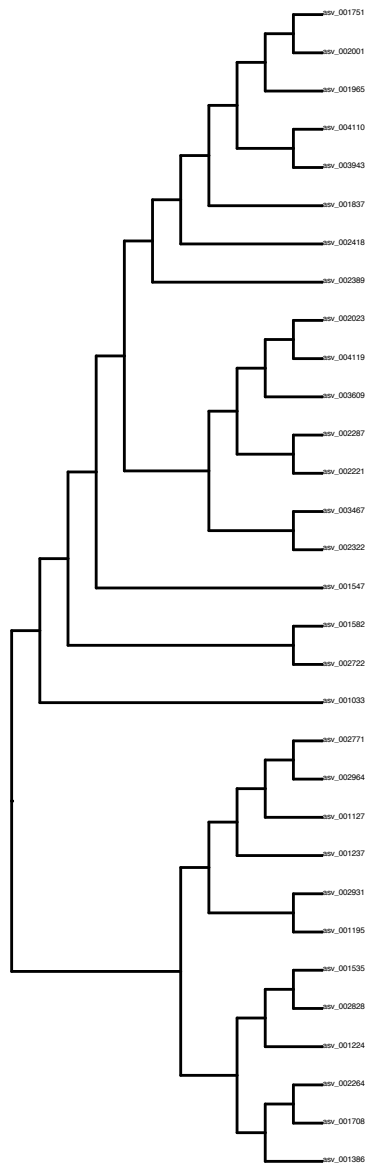
Nitrospira



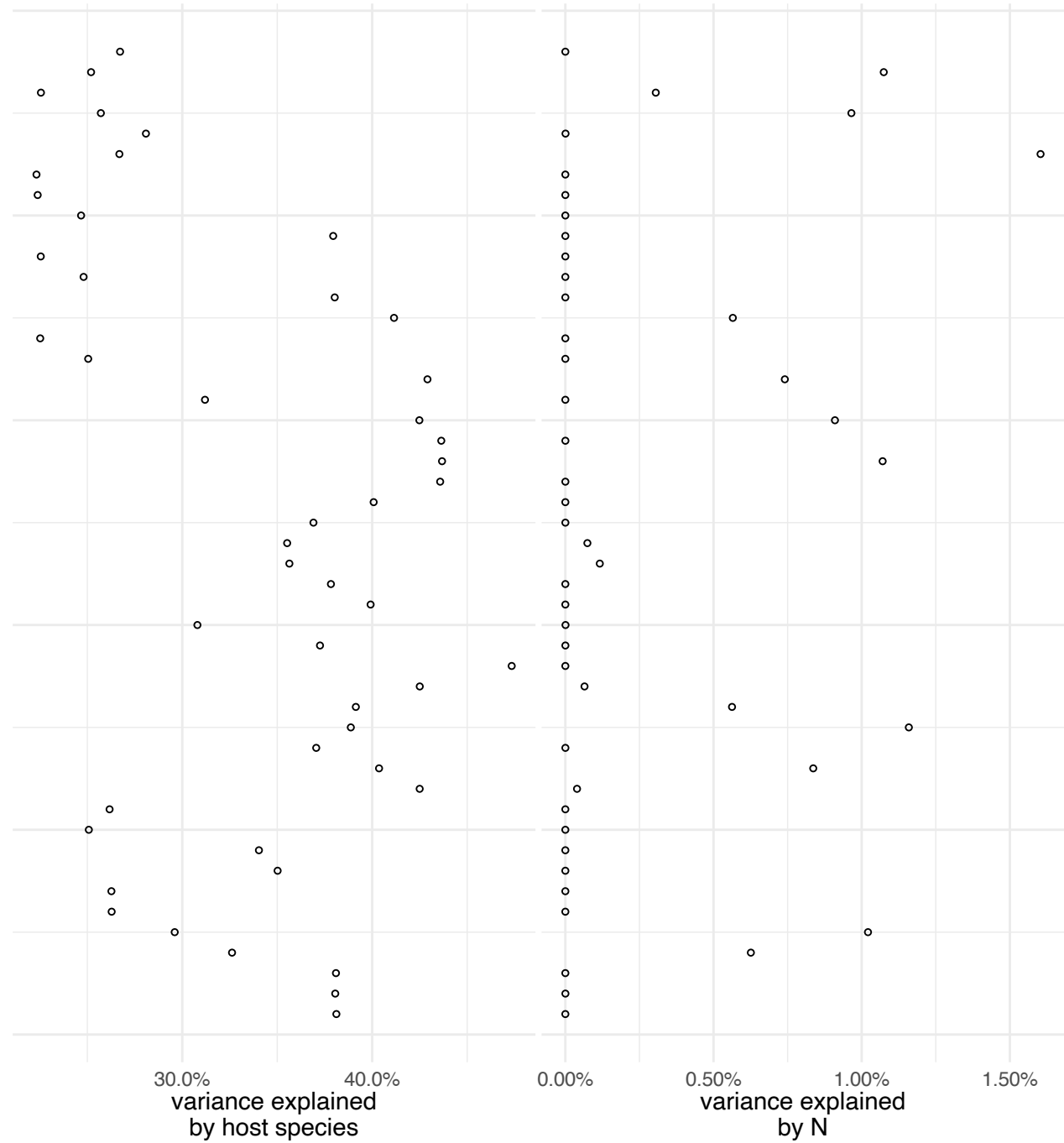
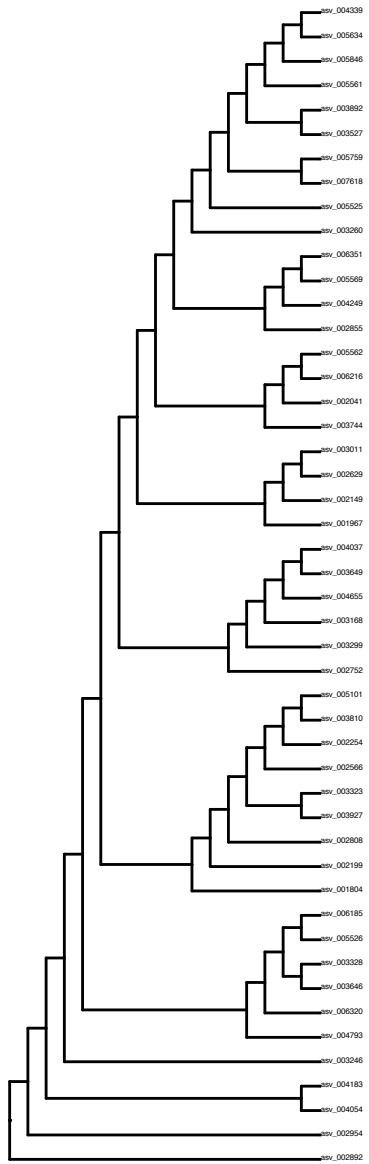
Nocardioides



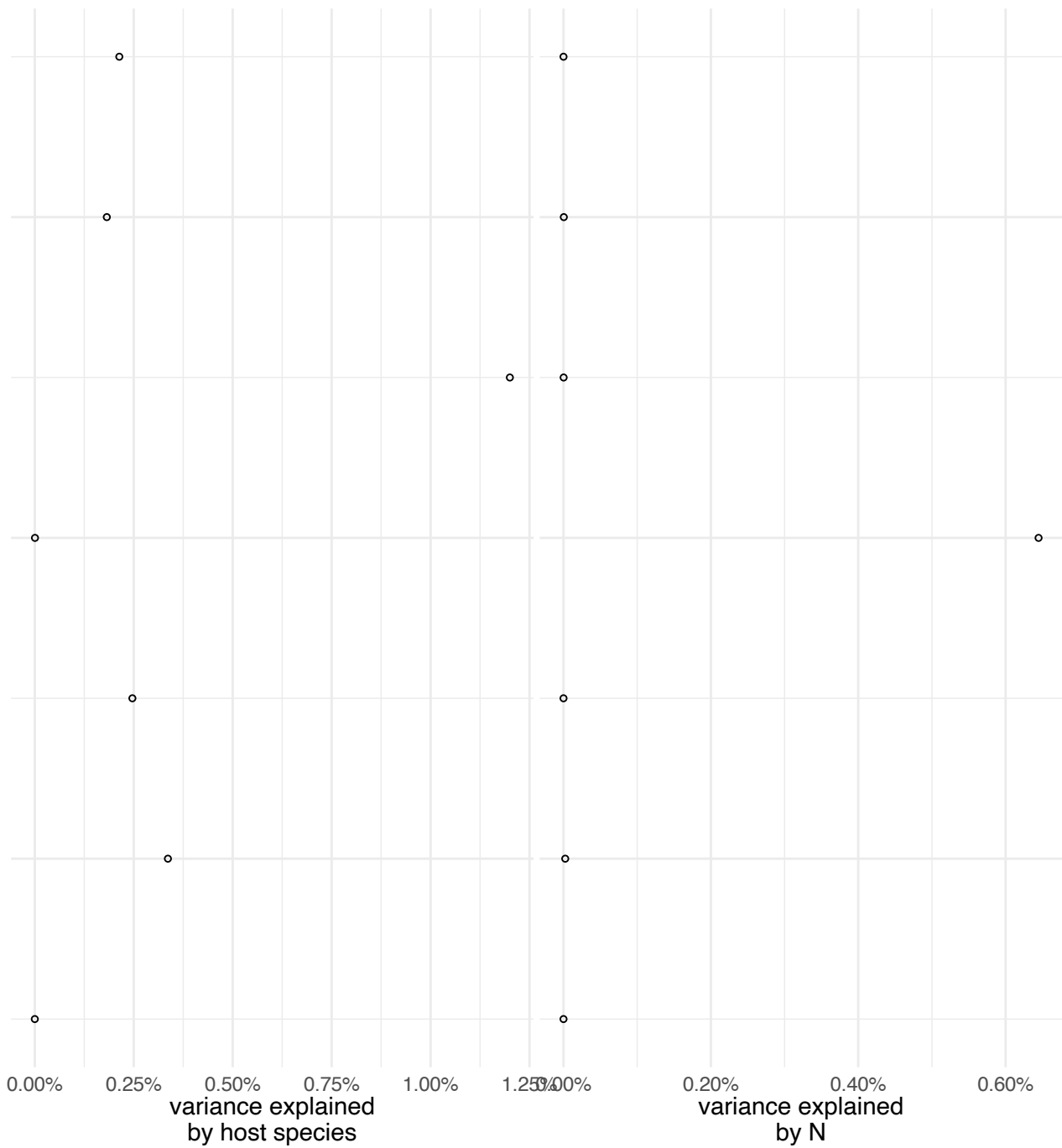
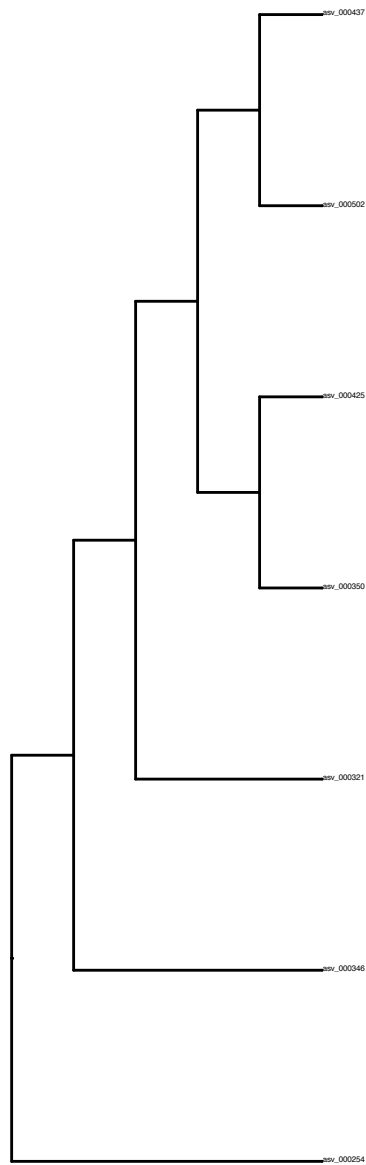
Nordella



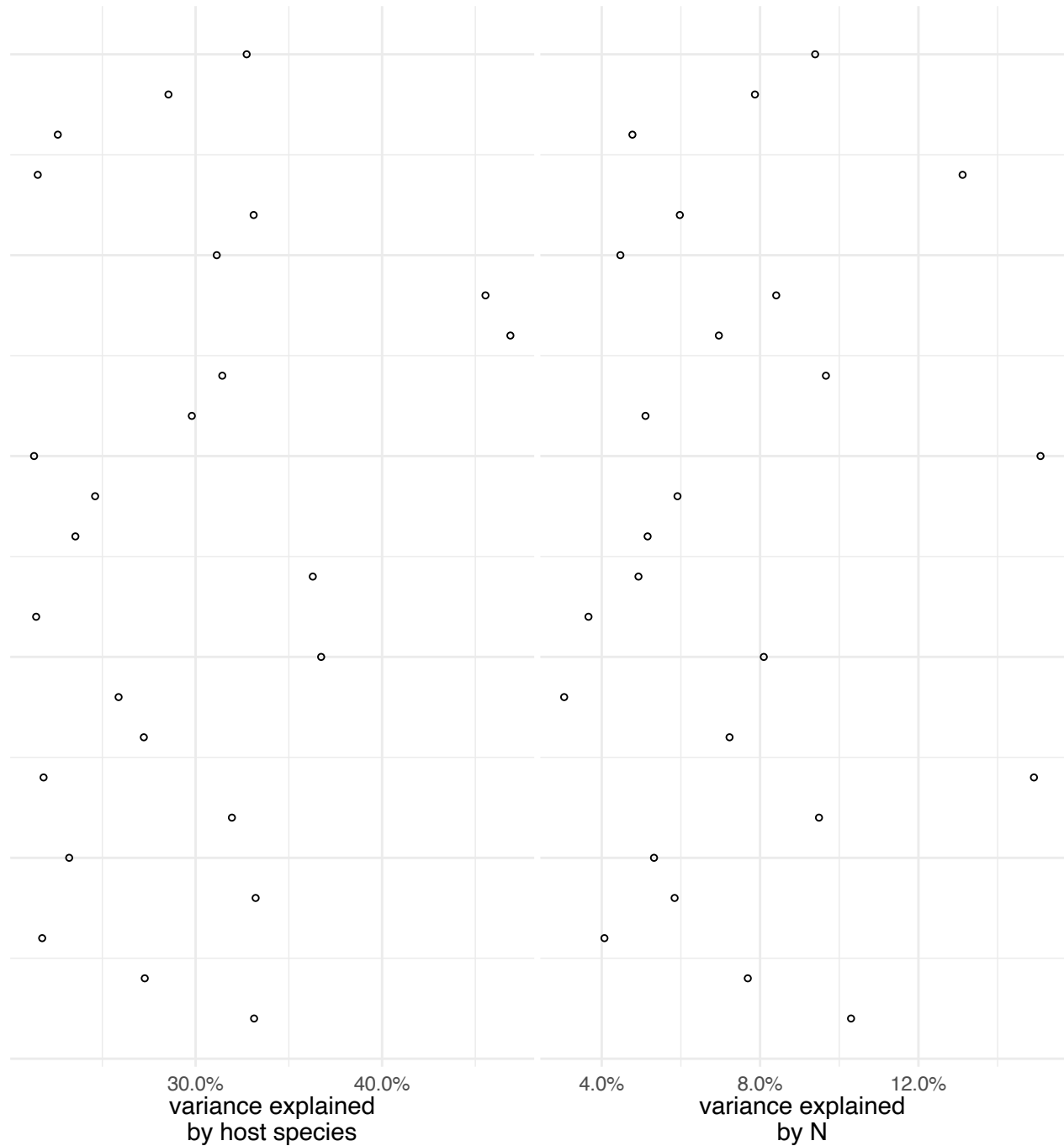
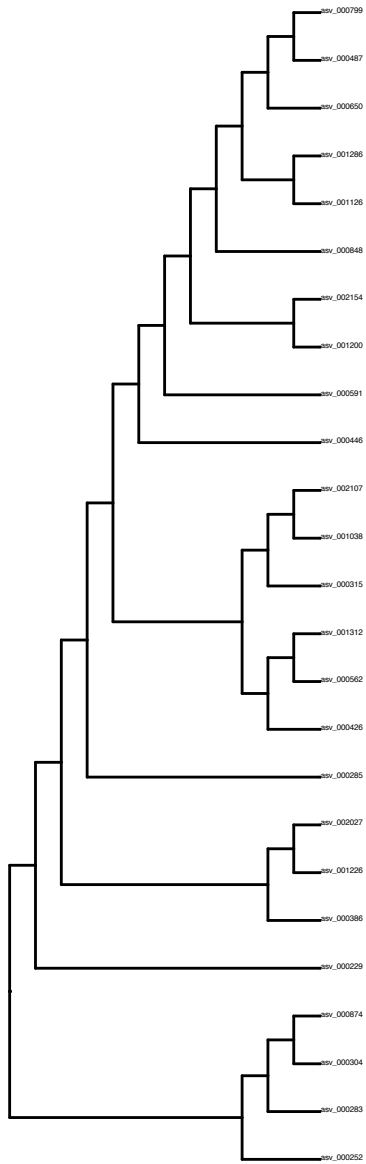
Novosphingobium



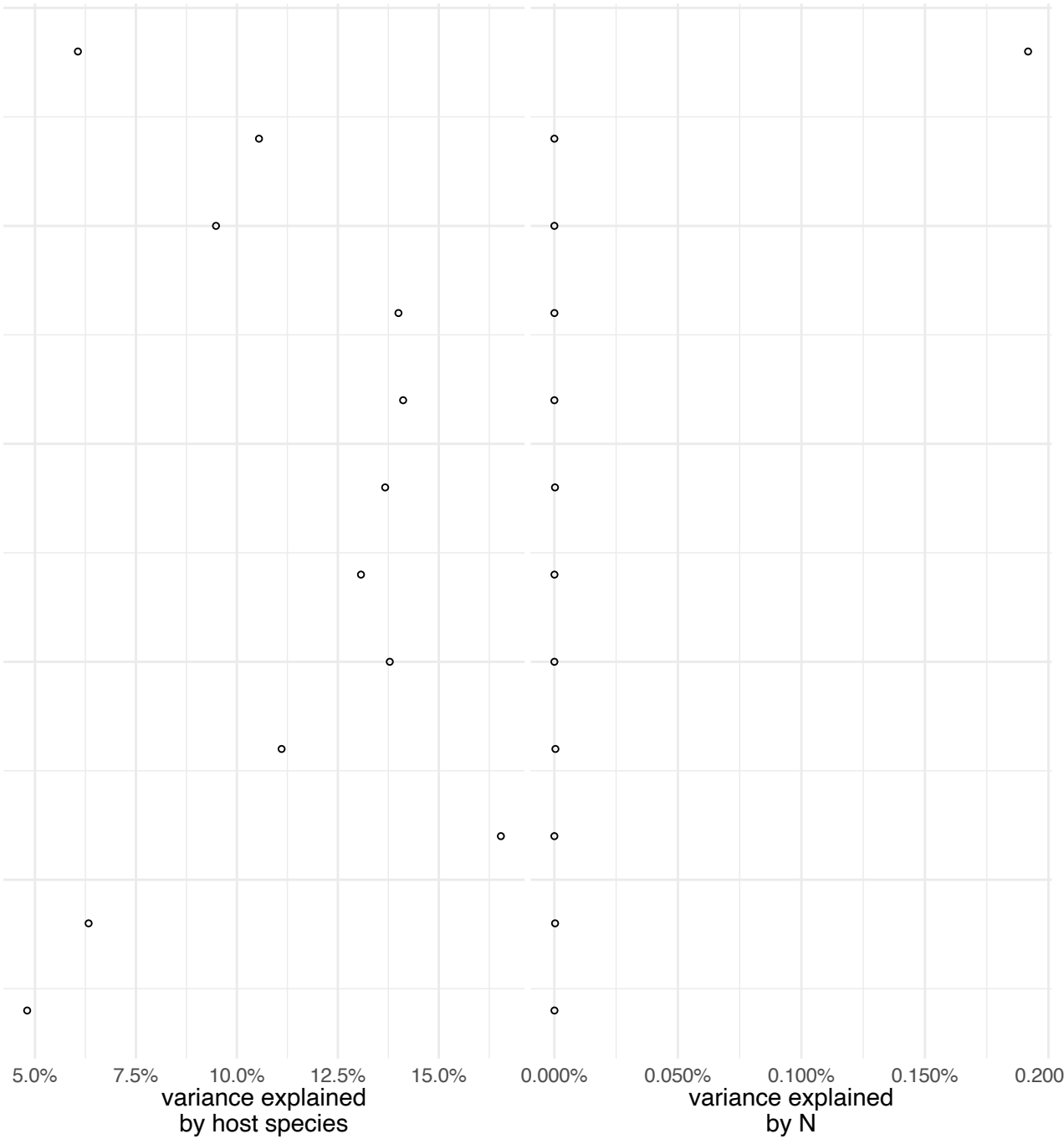
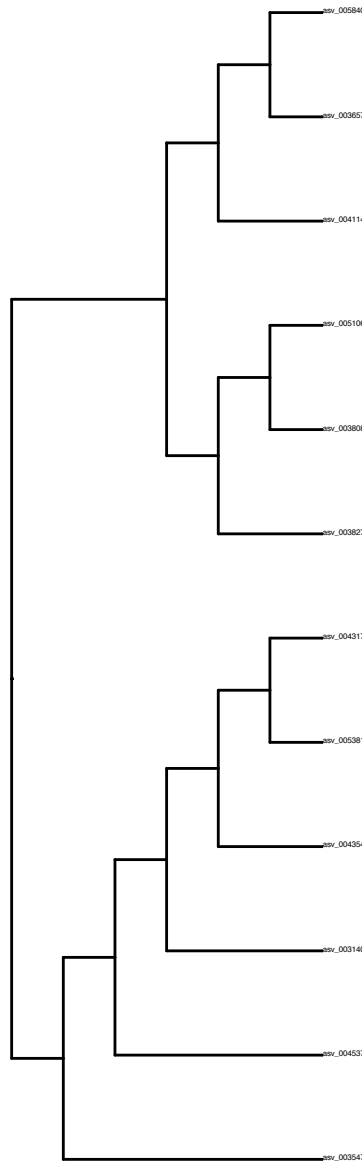
Nubsella



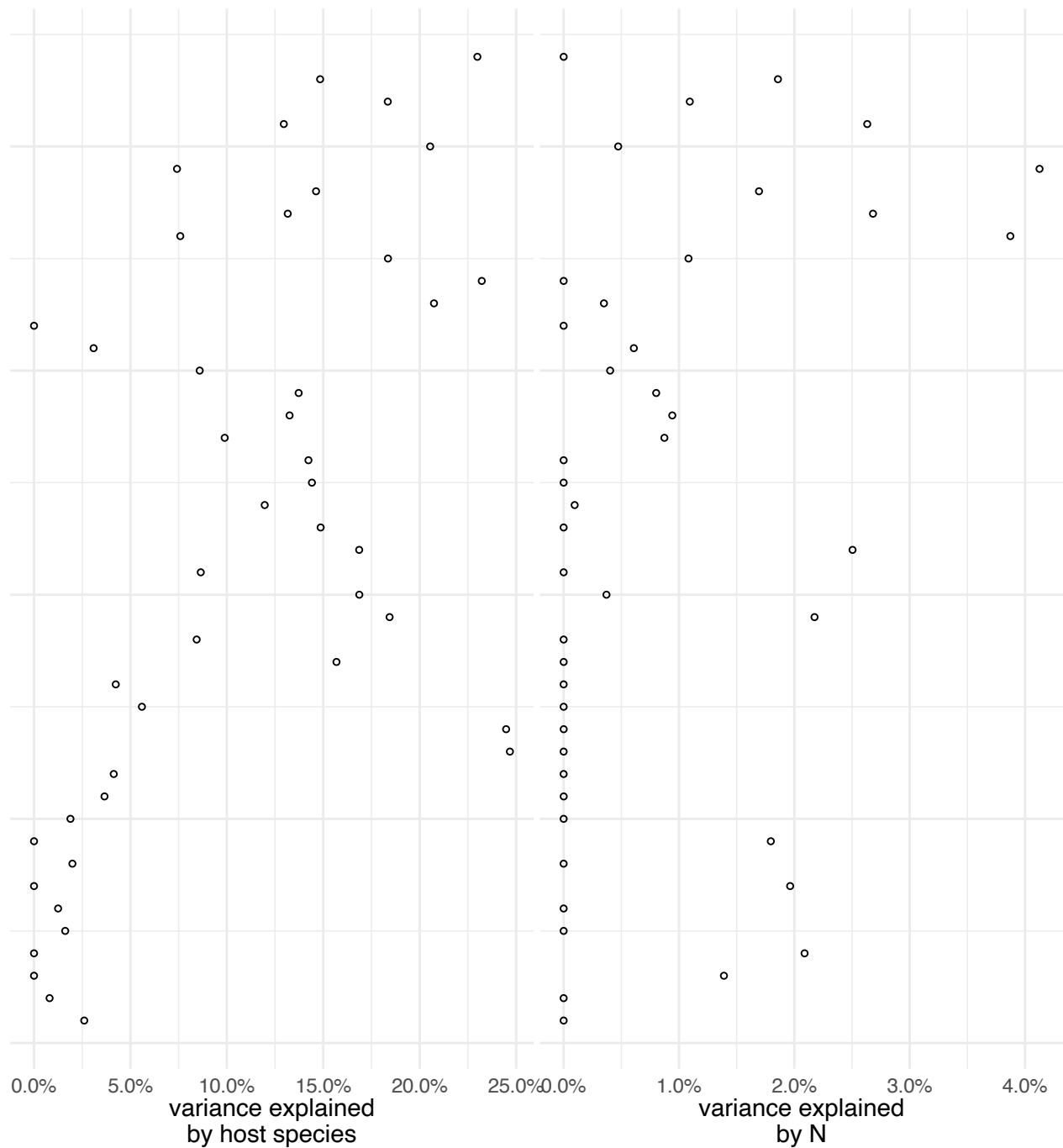
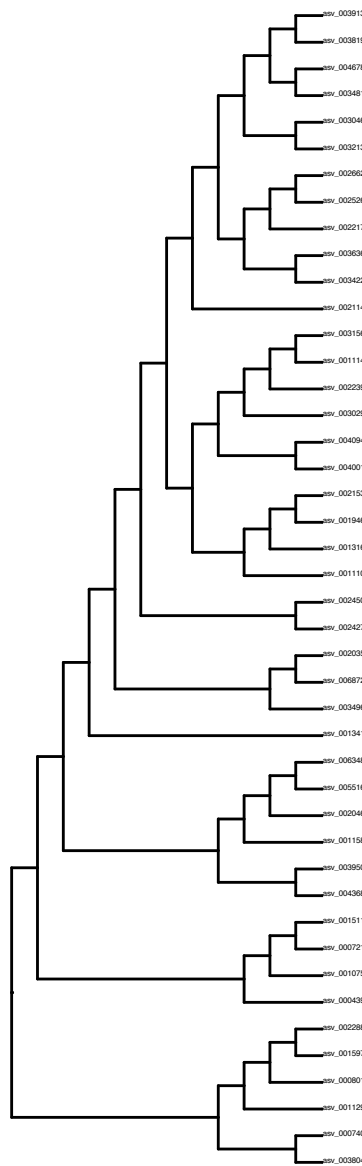
Phenylobacterium



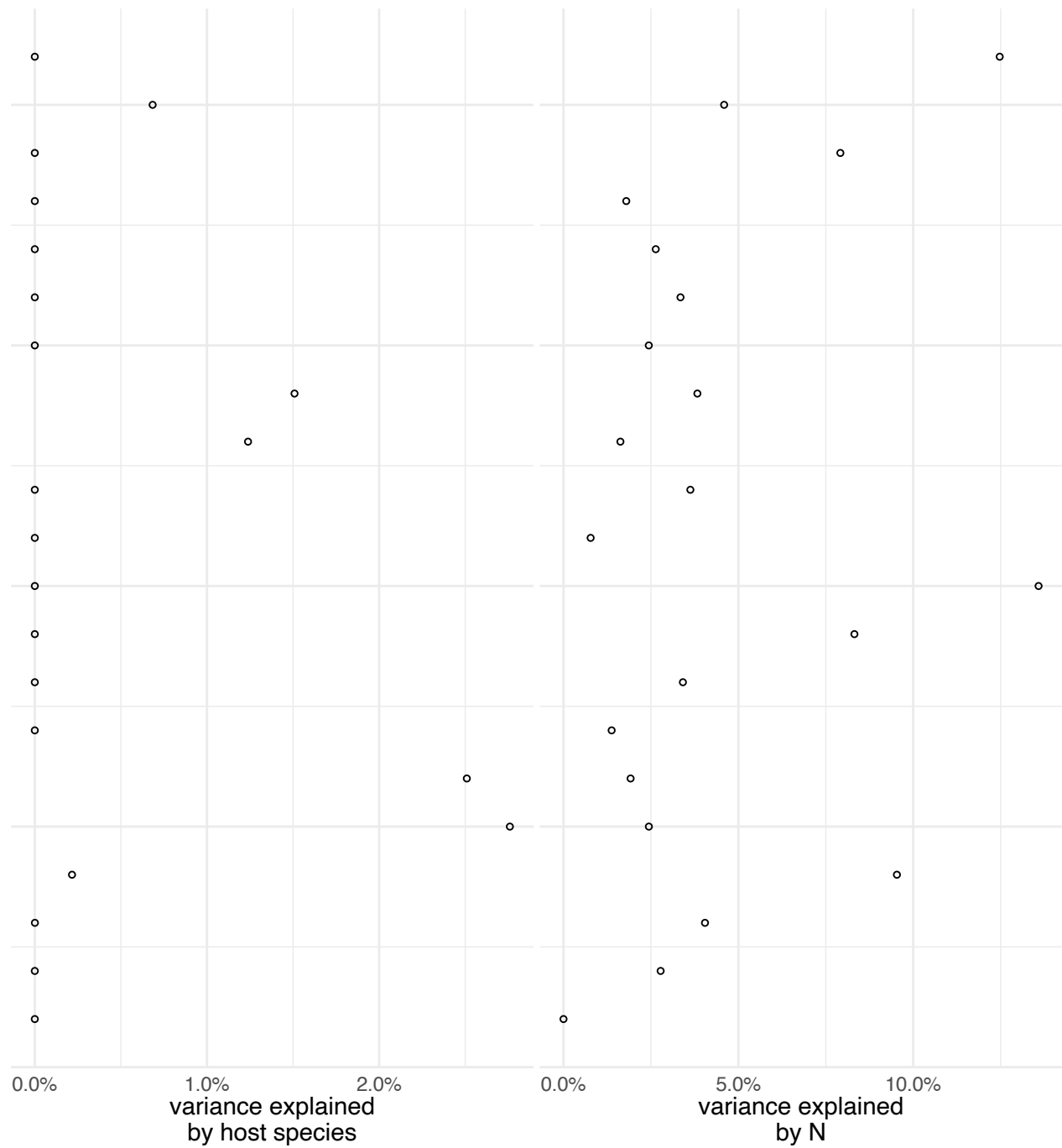
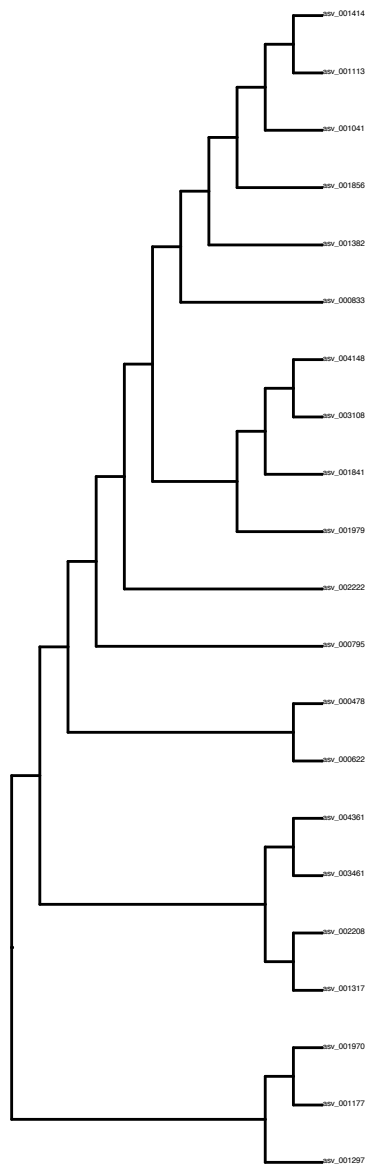
Phyllobacterium



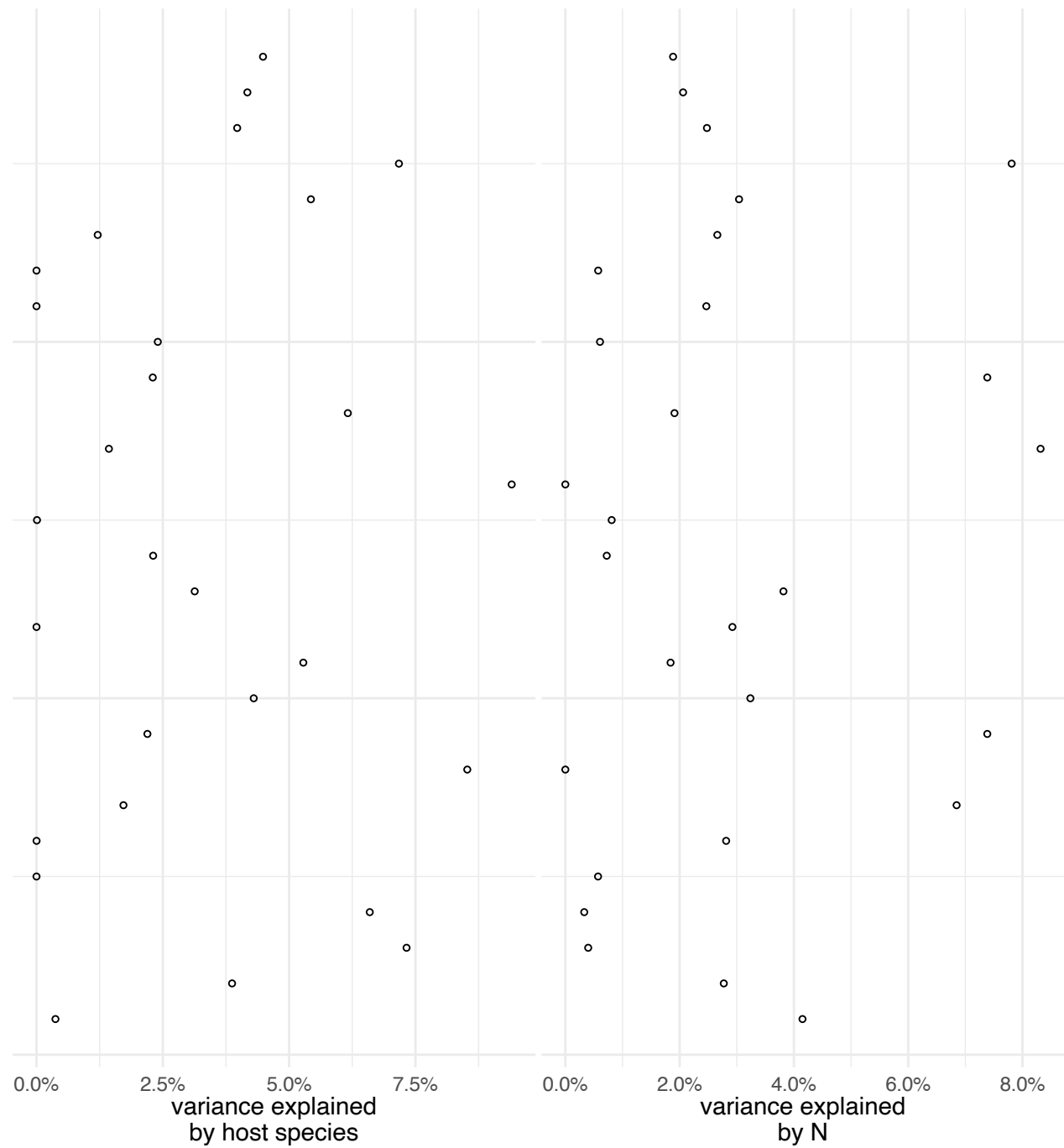
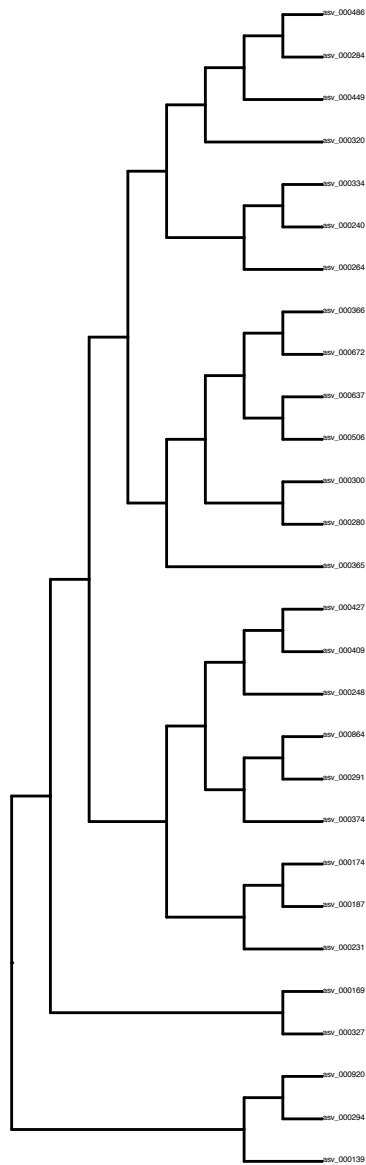
Piscinibacter



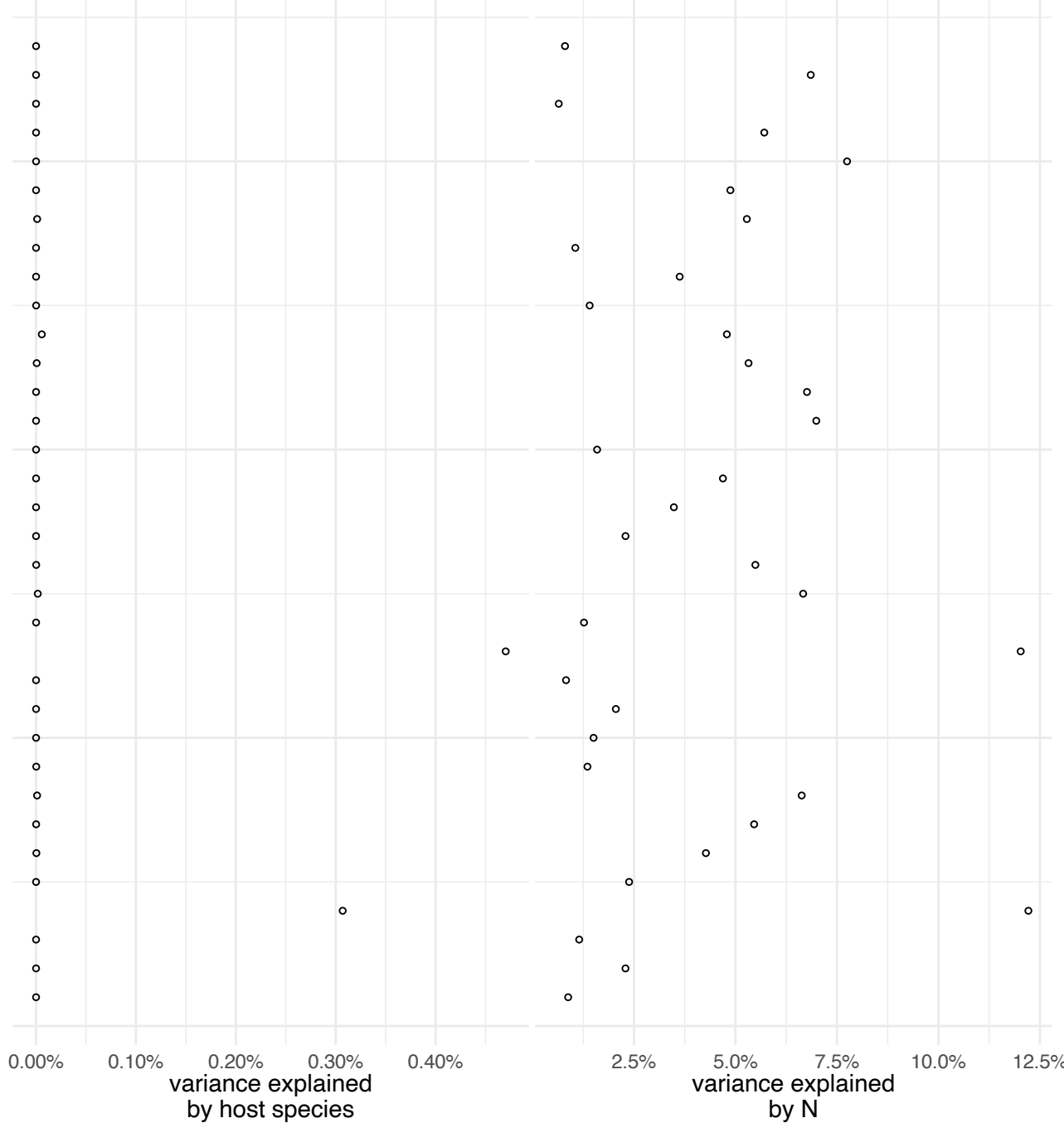
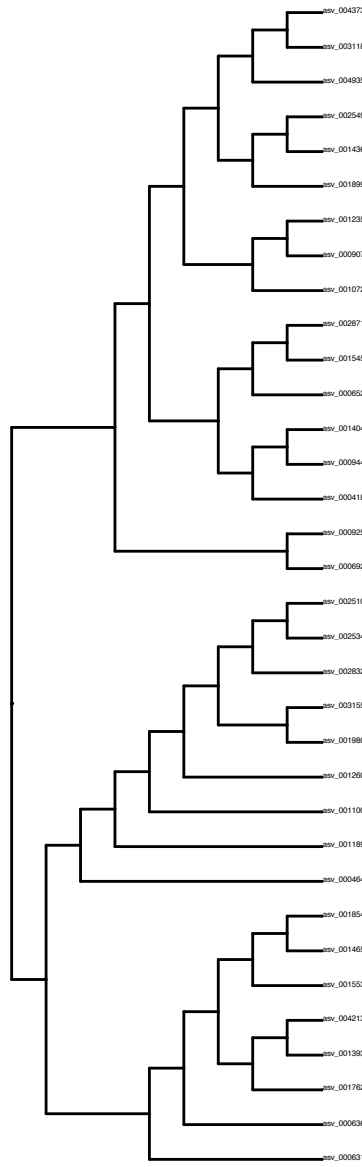
Povalibacter



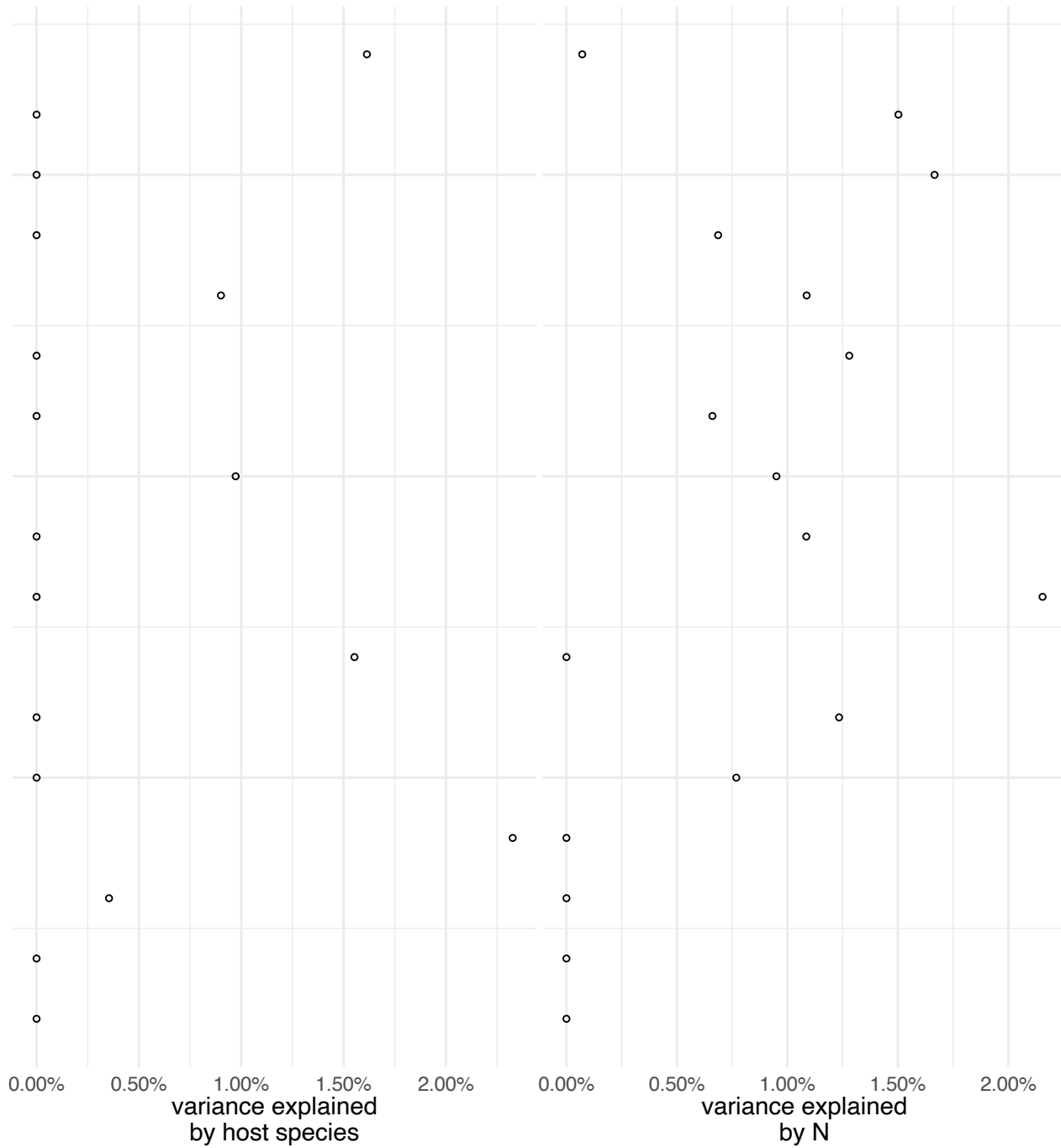
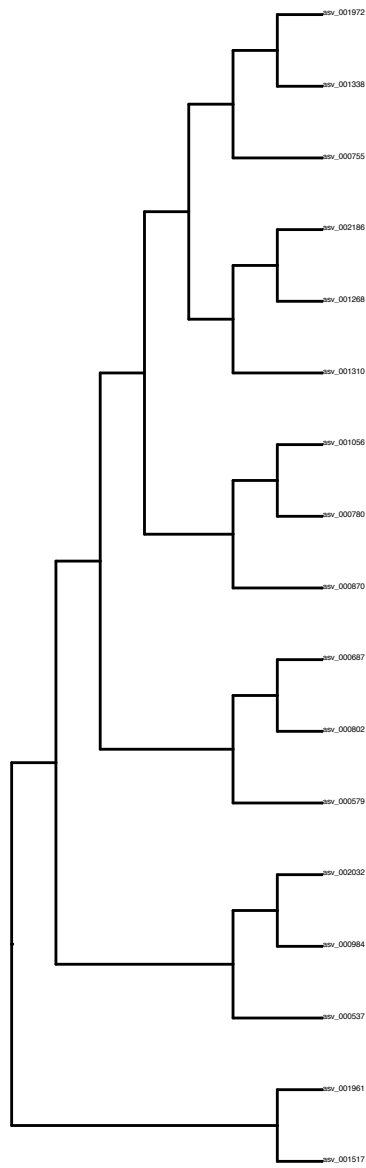
Pseudarthrobacter



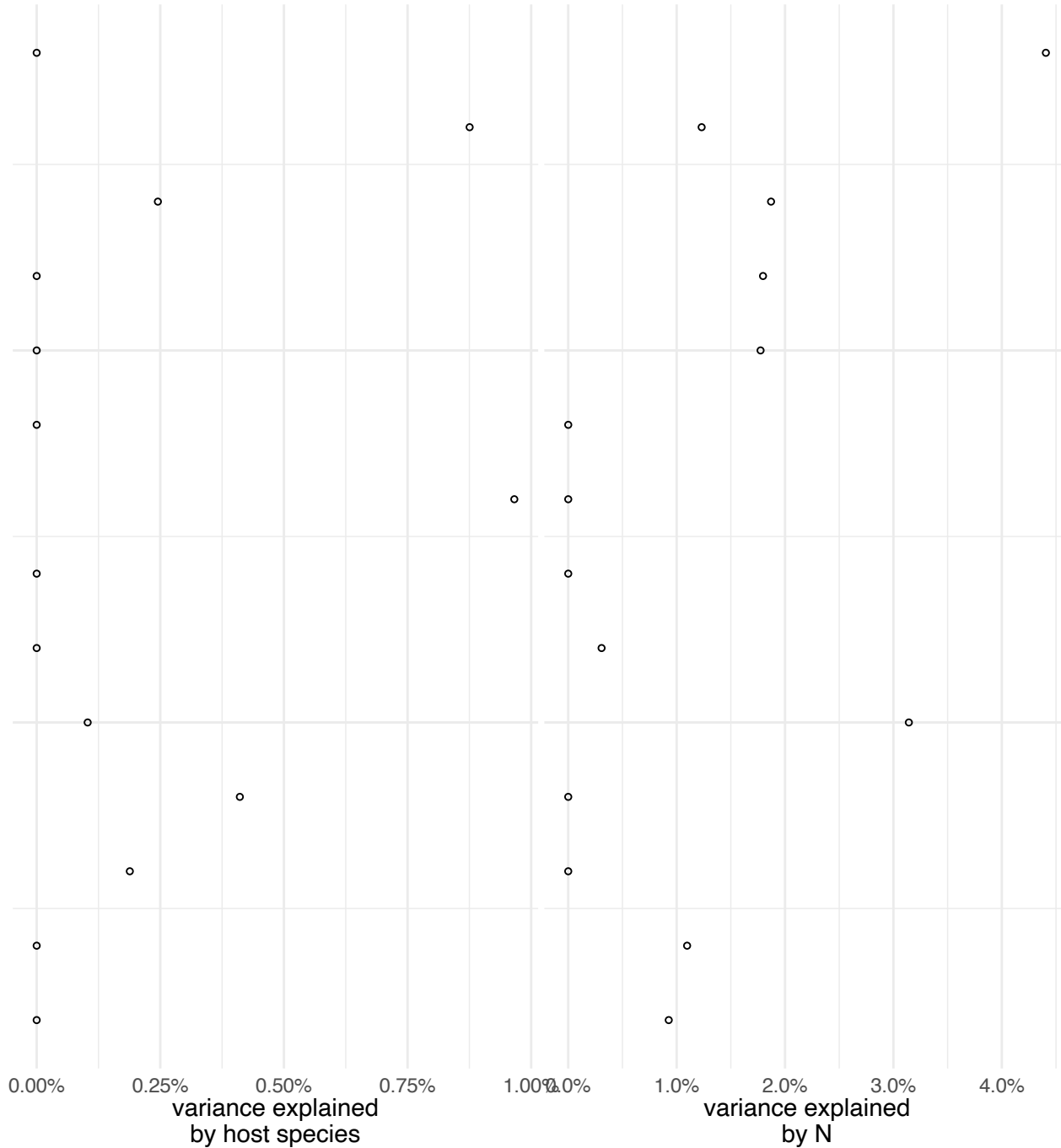
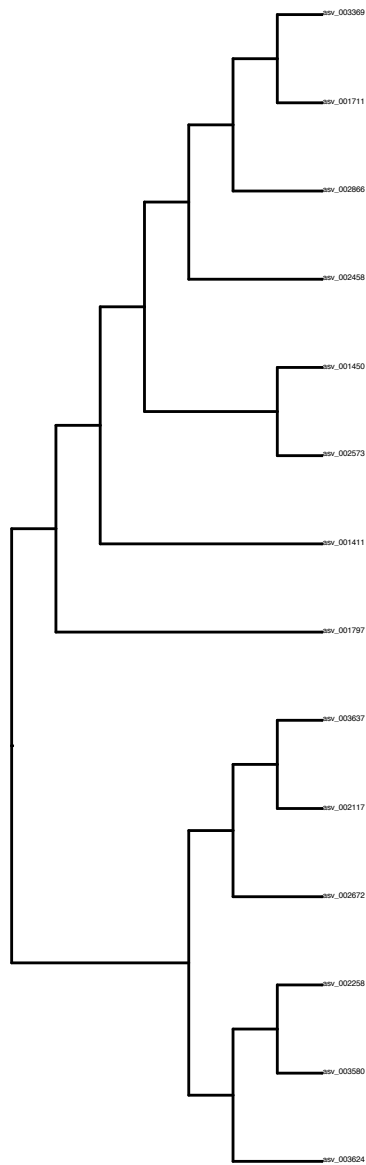
Pseudoduganella



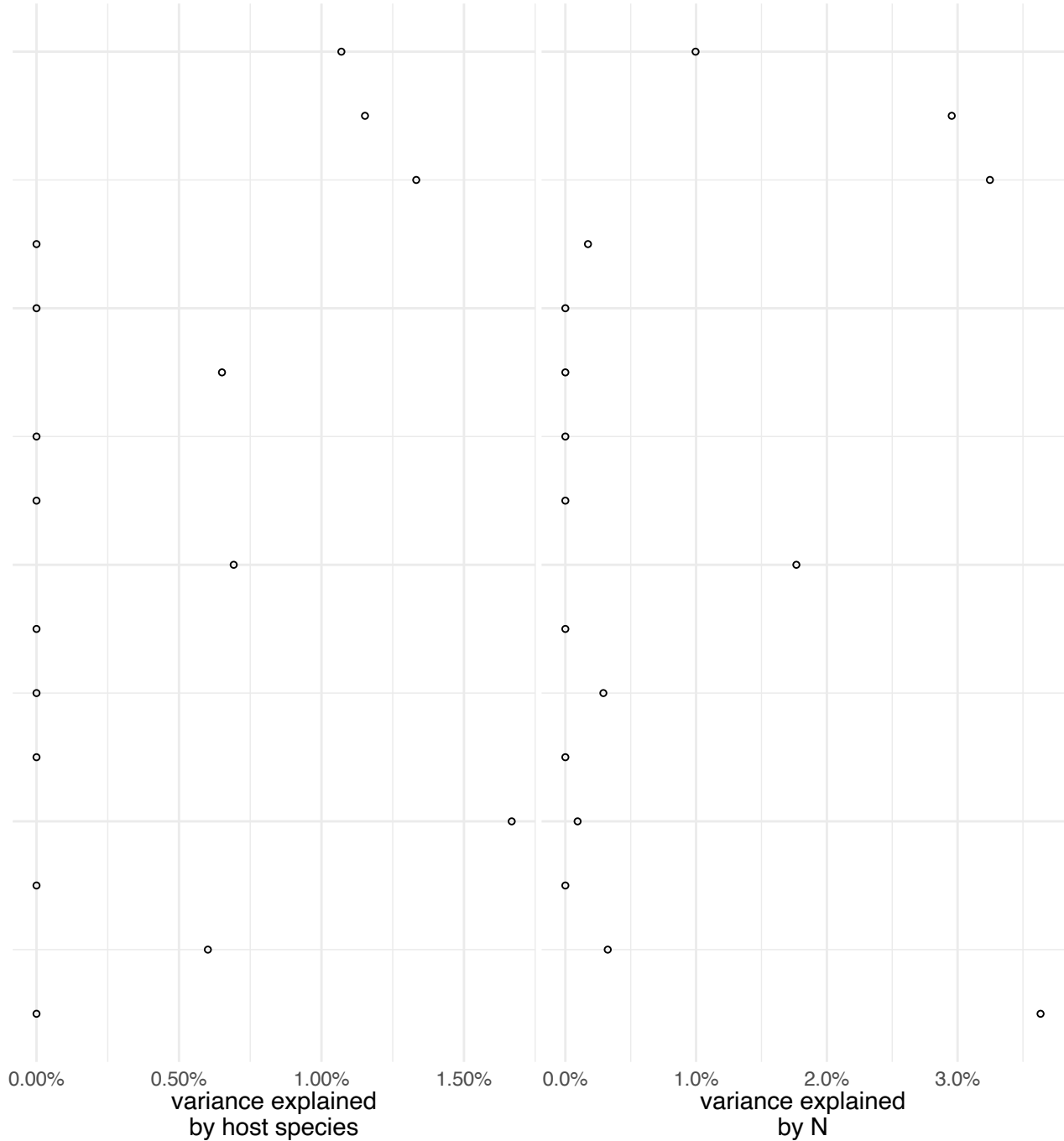
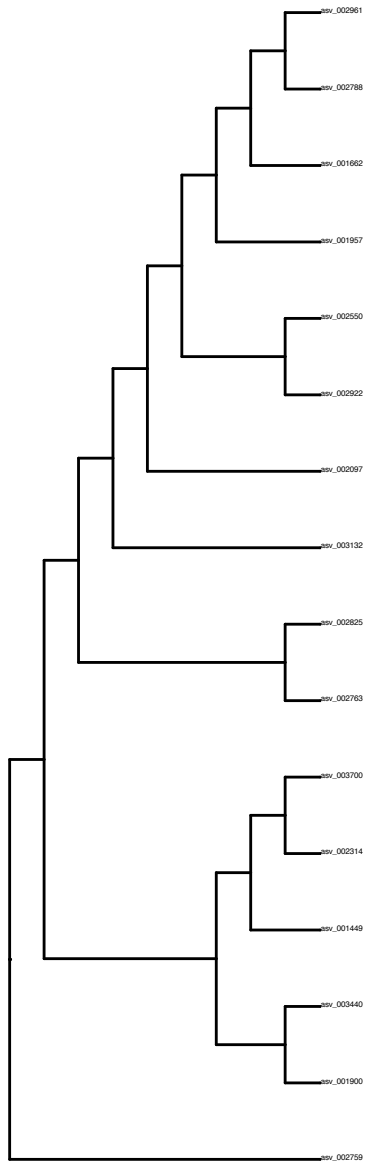
Pseudonocardia



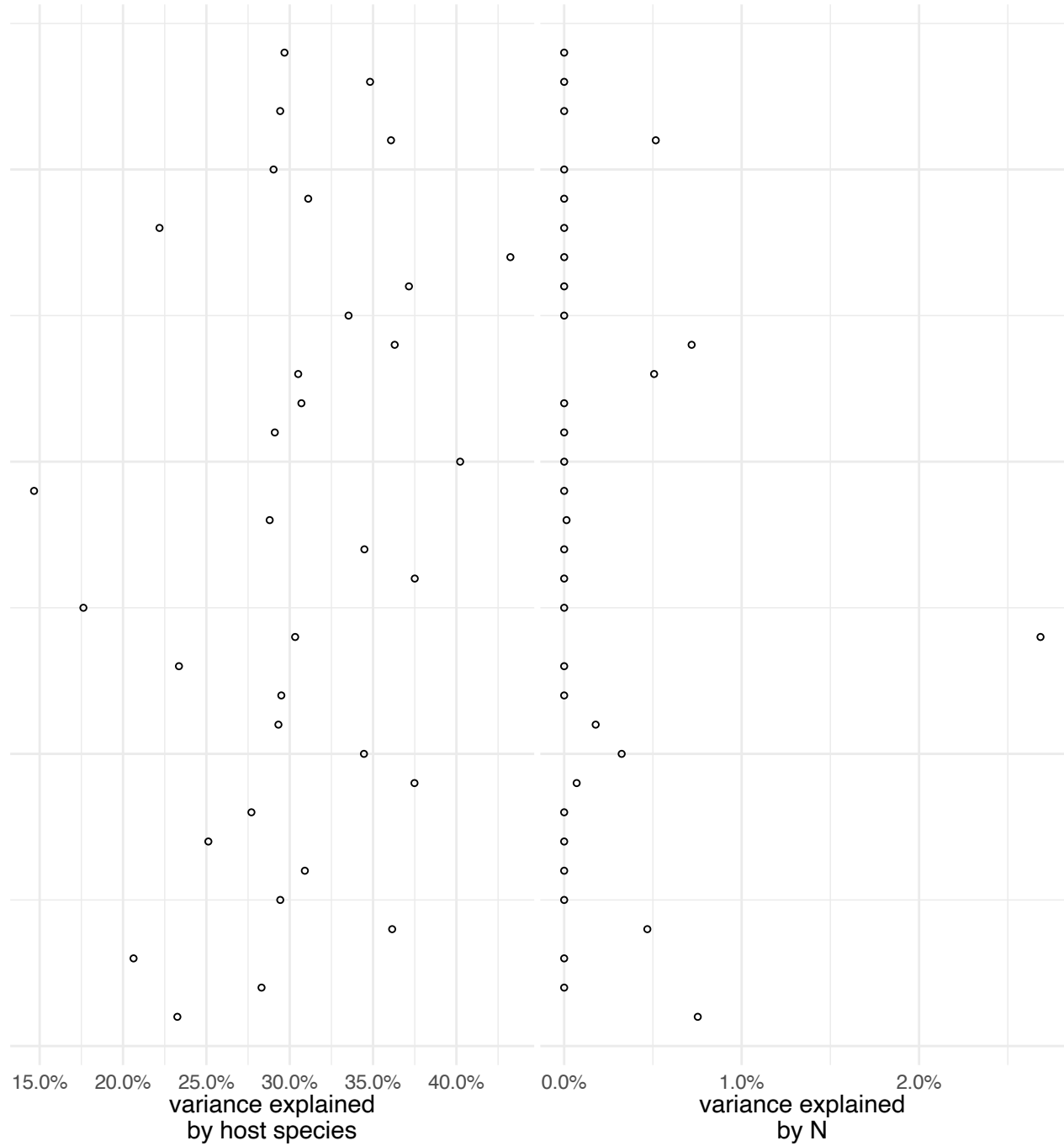
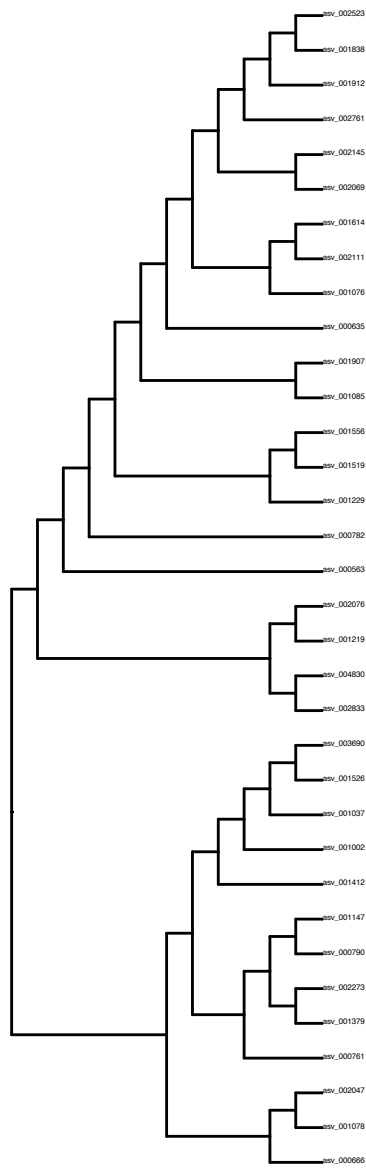
Psychroglaciecola



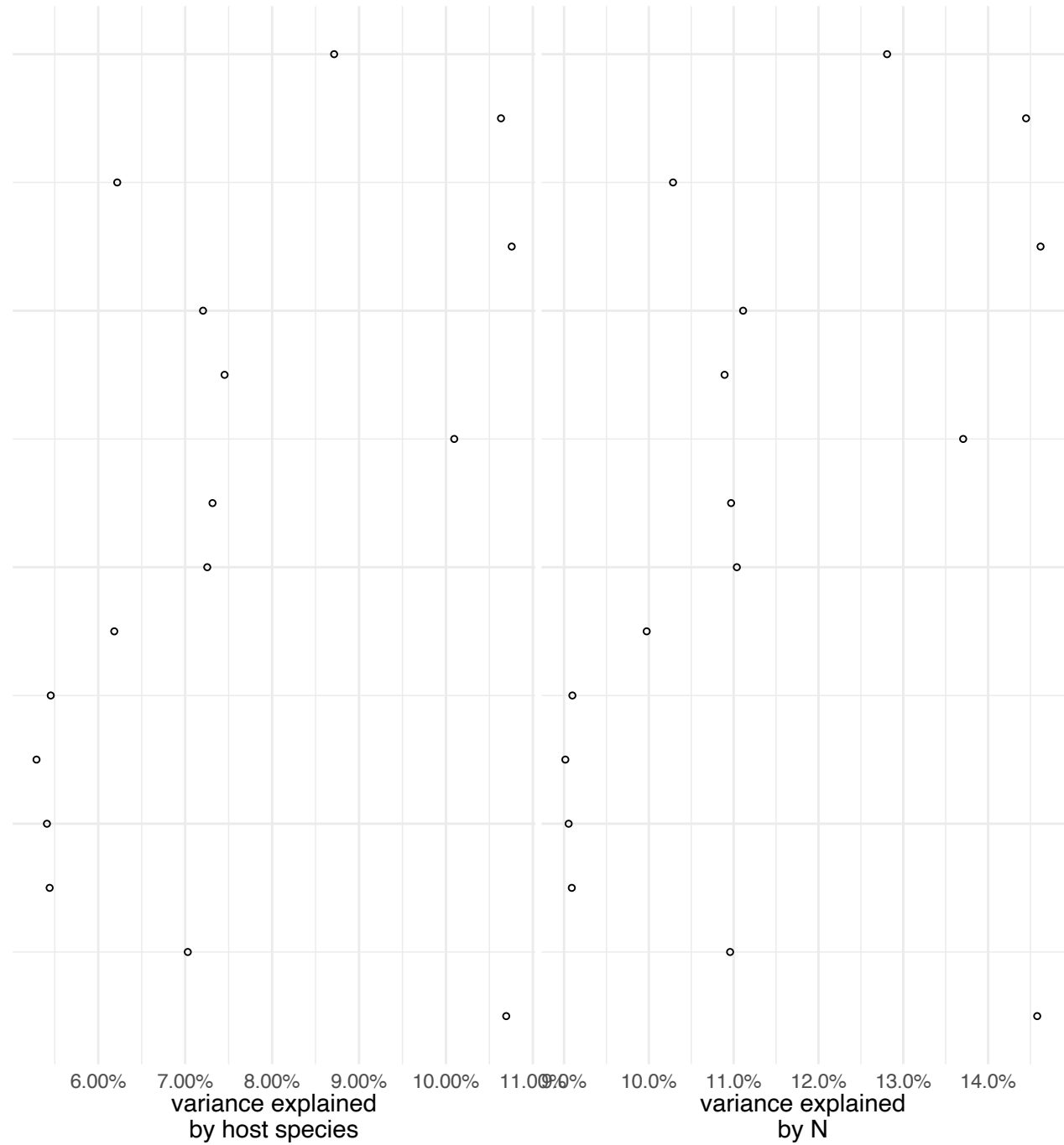
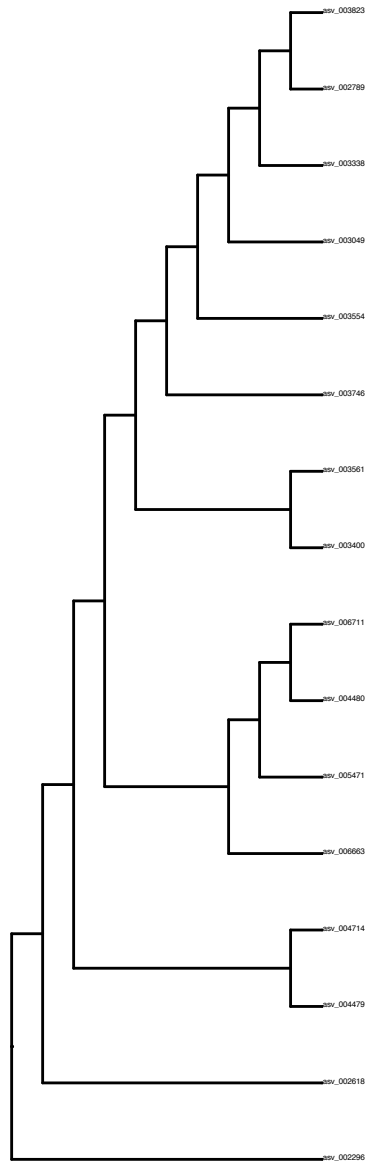
Reyranella



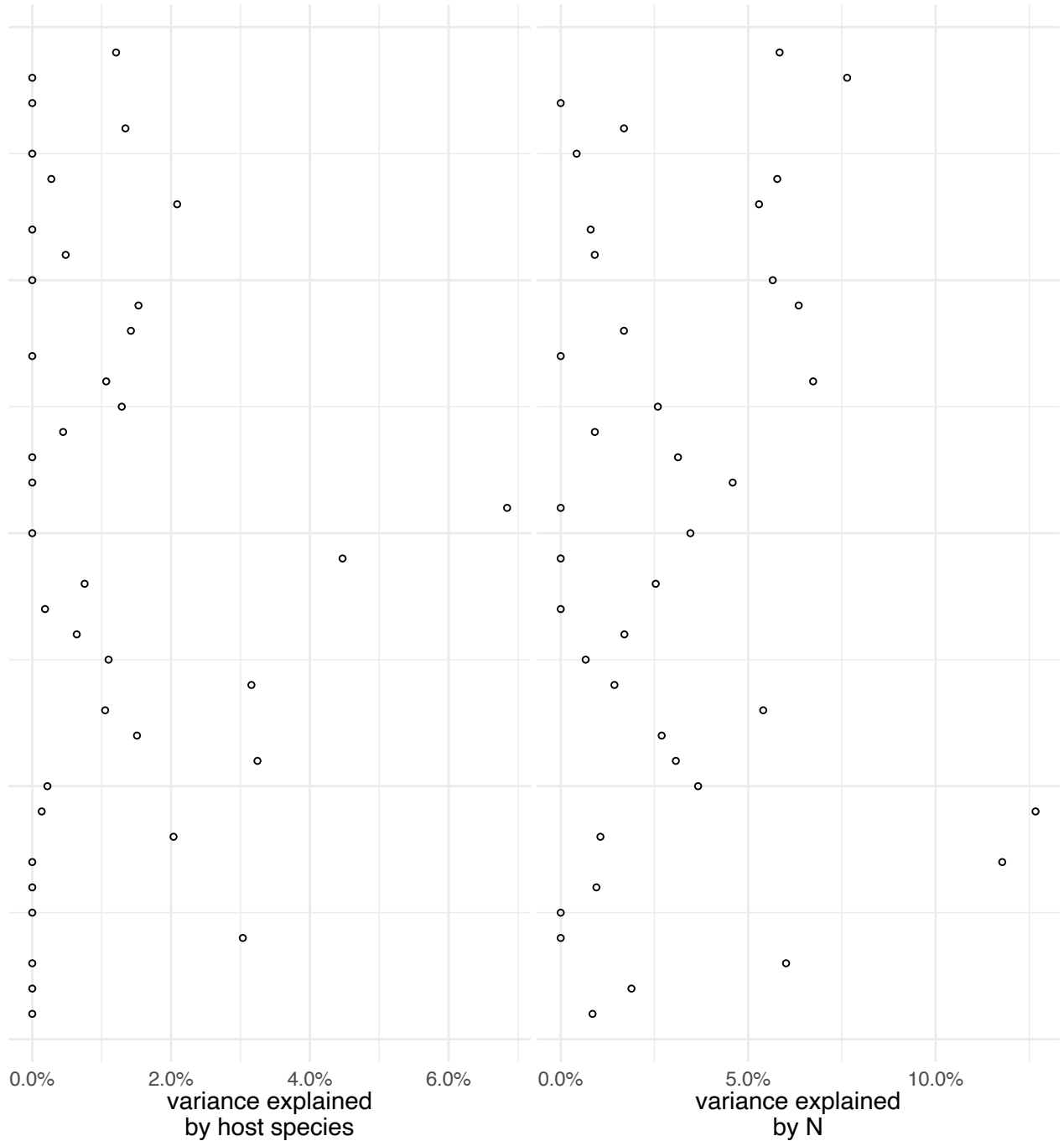
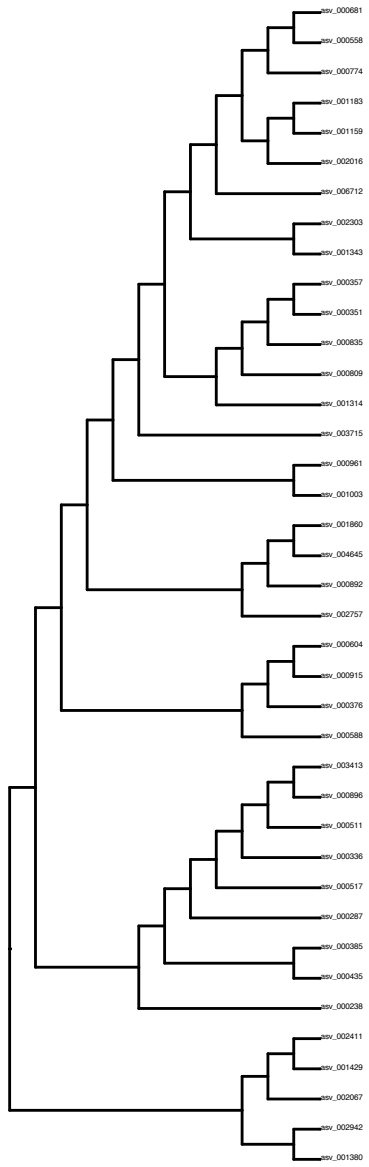
Rhizobium



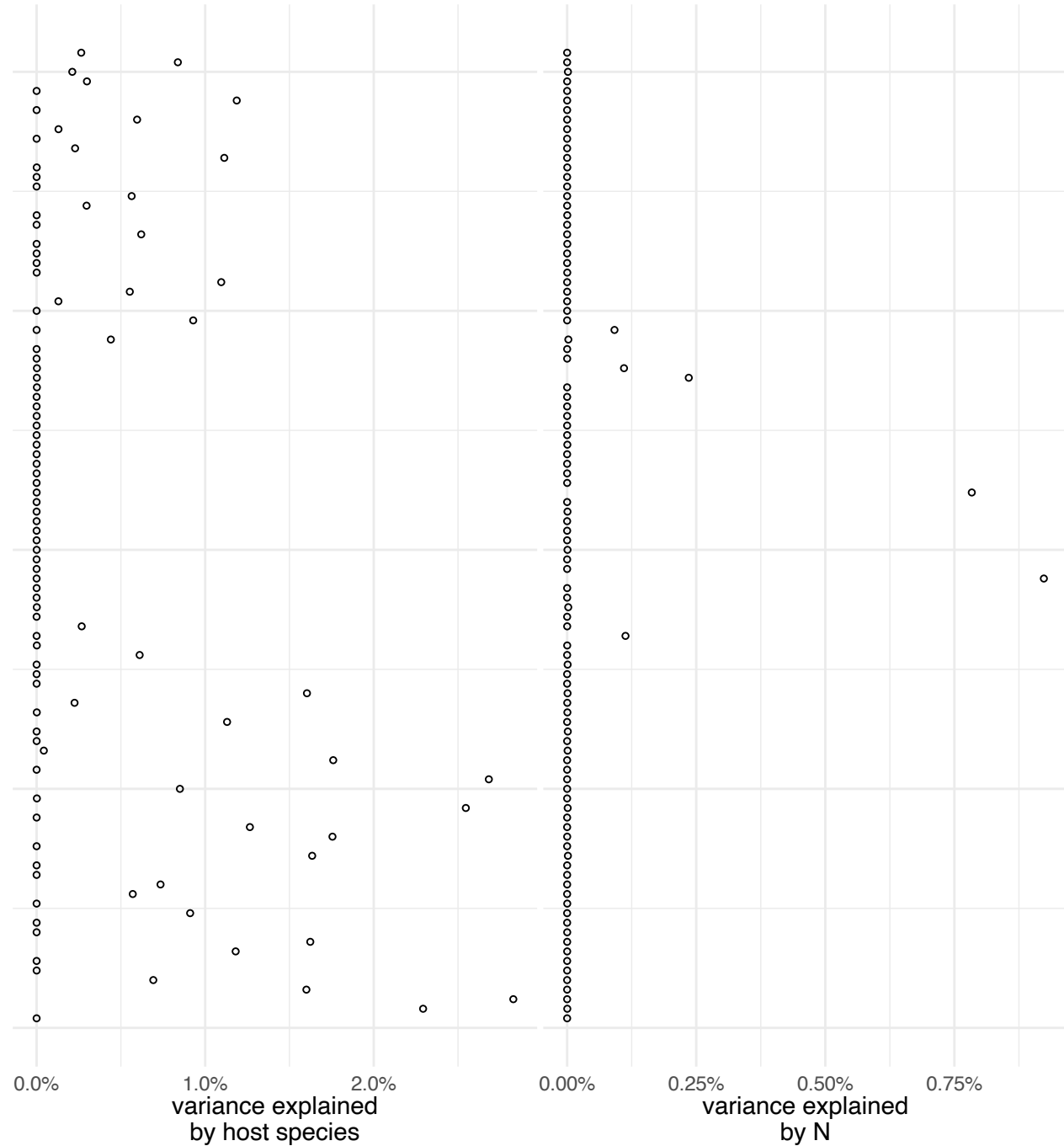
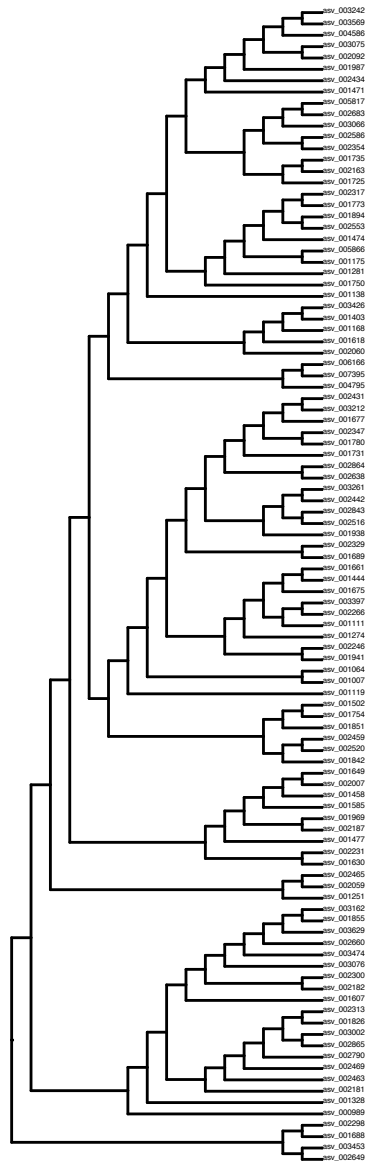
Rudaea



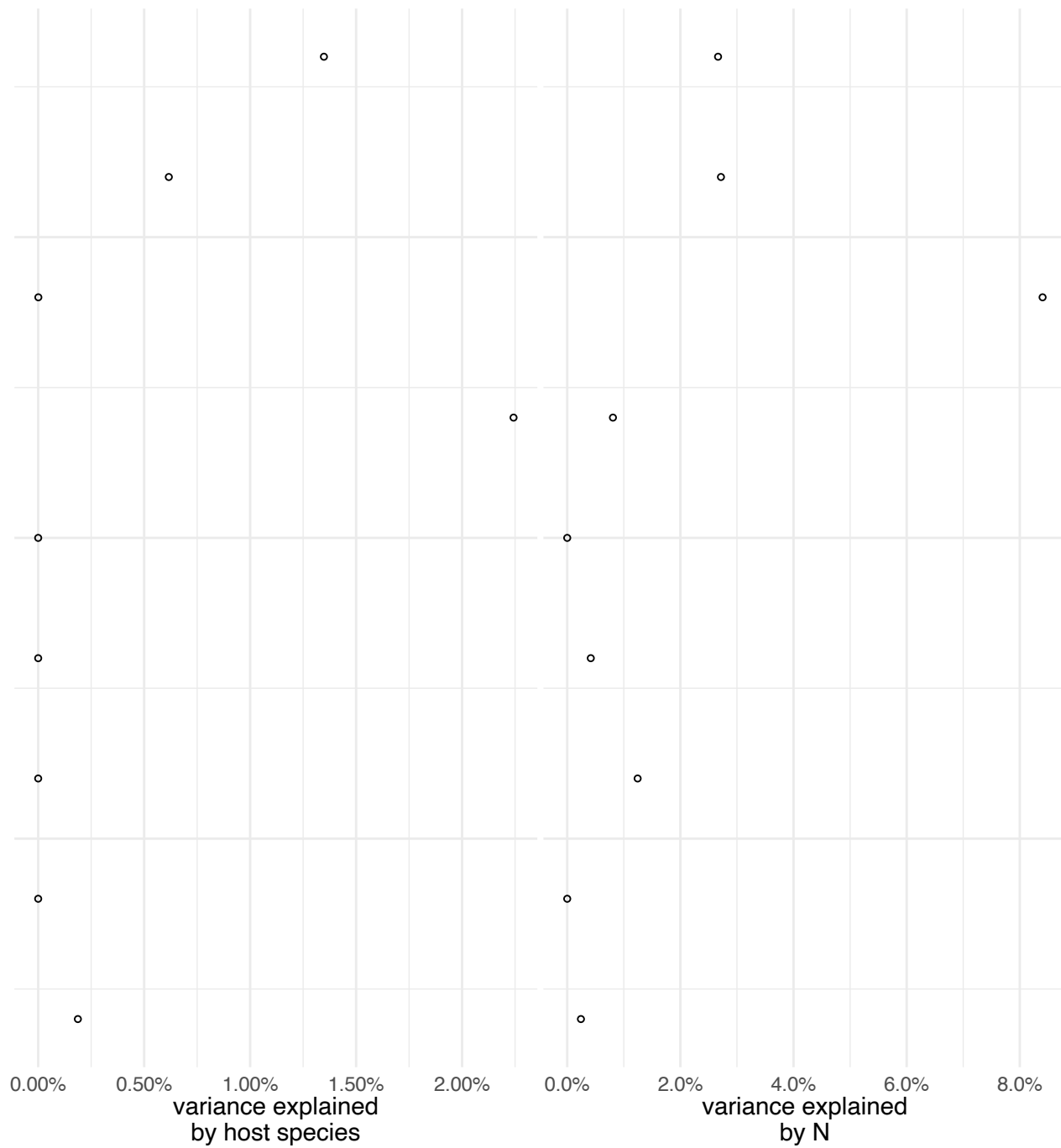
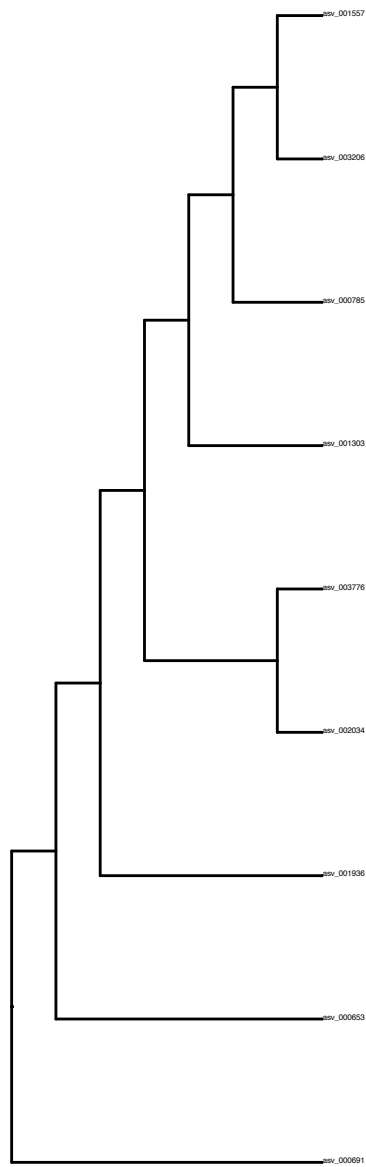
Skermanella



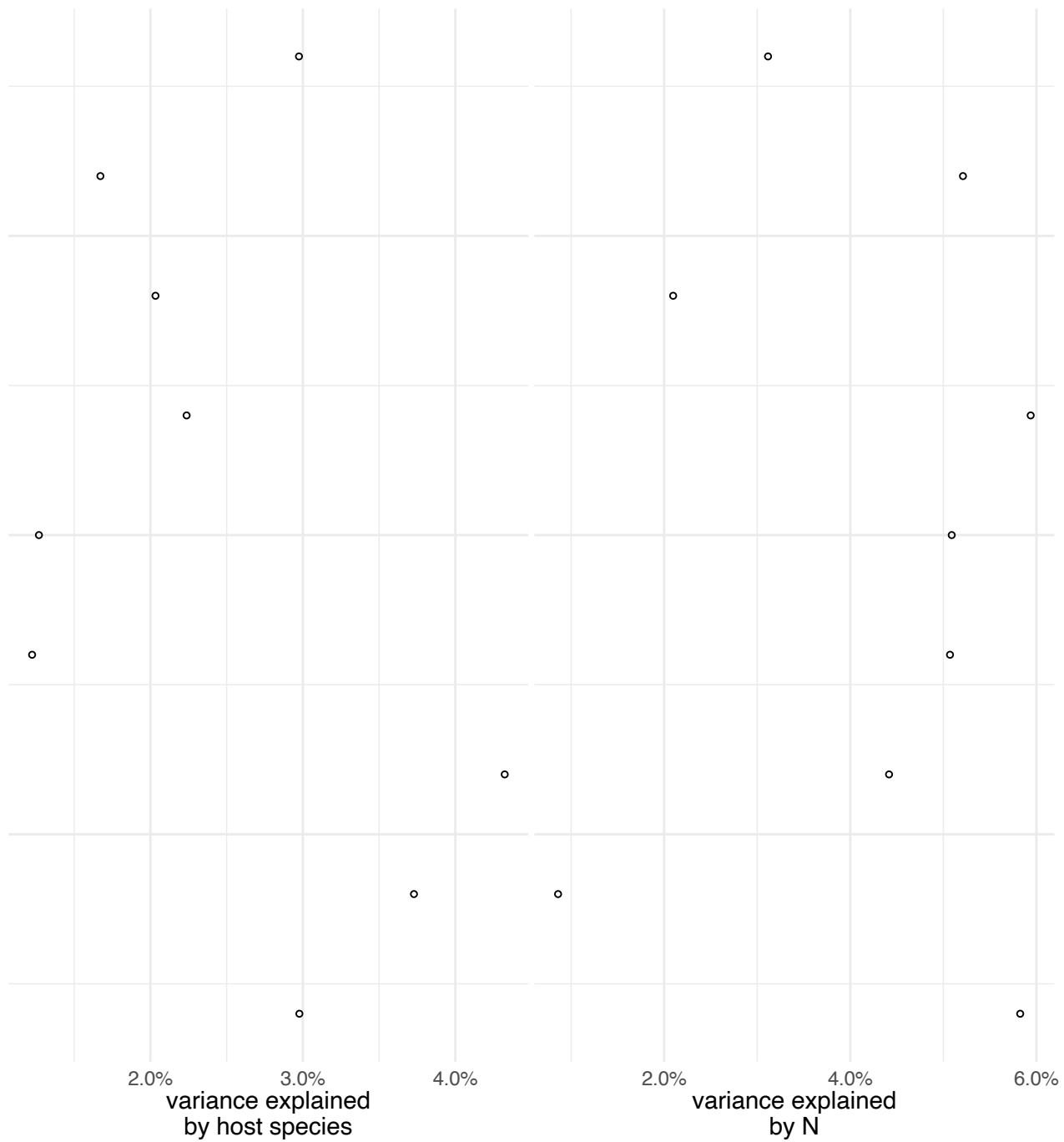
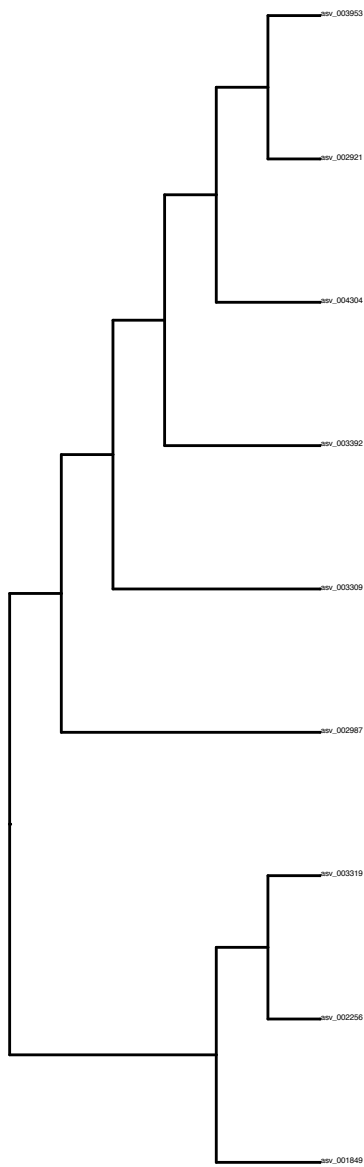
Stenotrophomonas



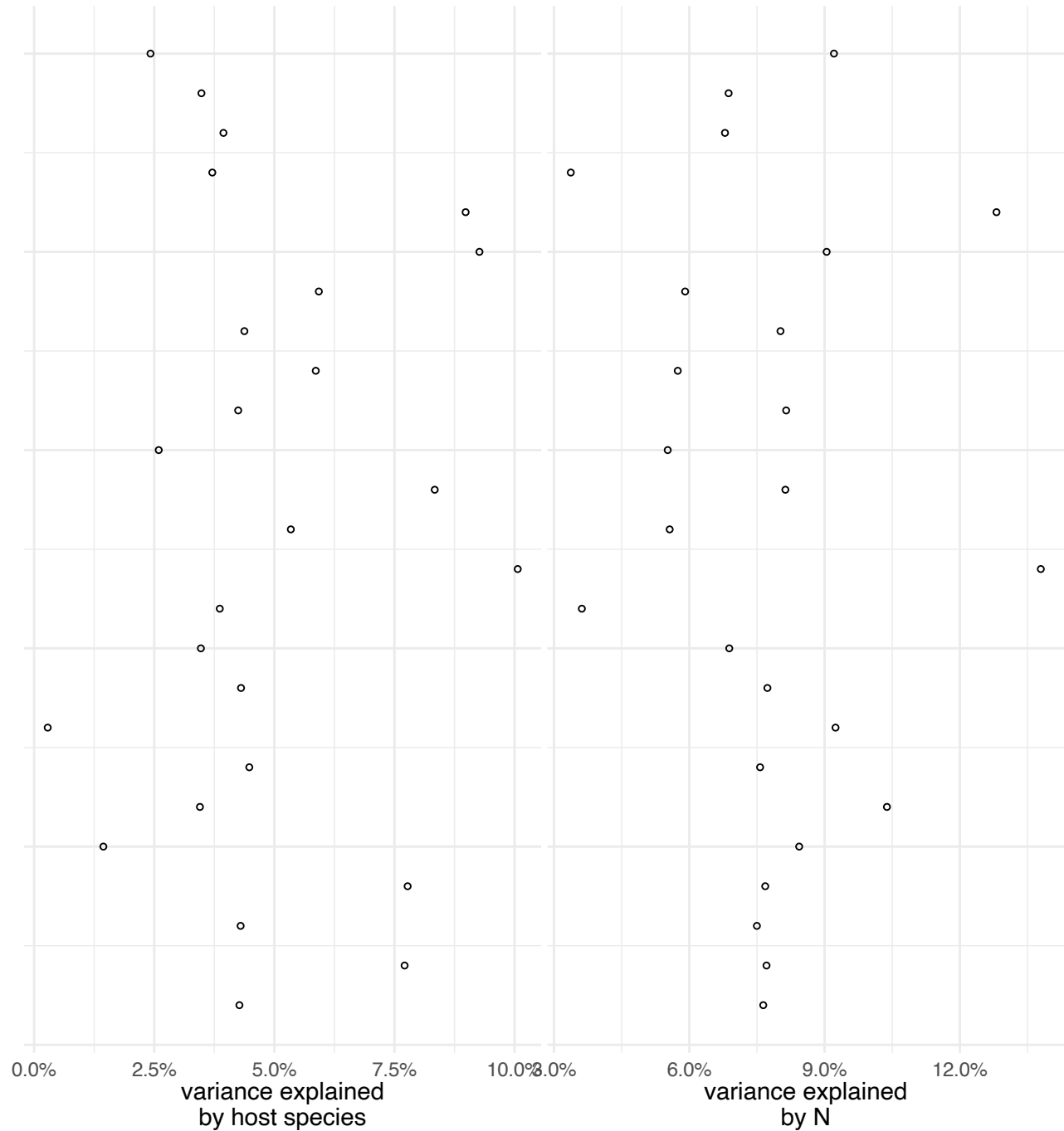
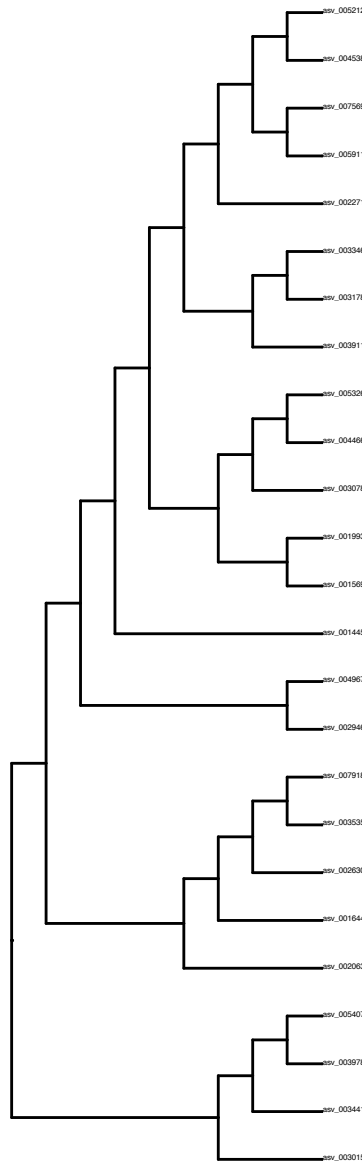
Steroidobacter



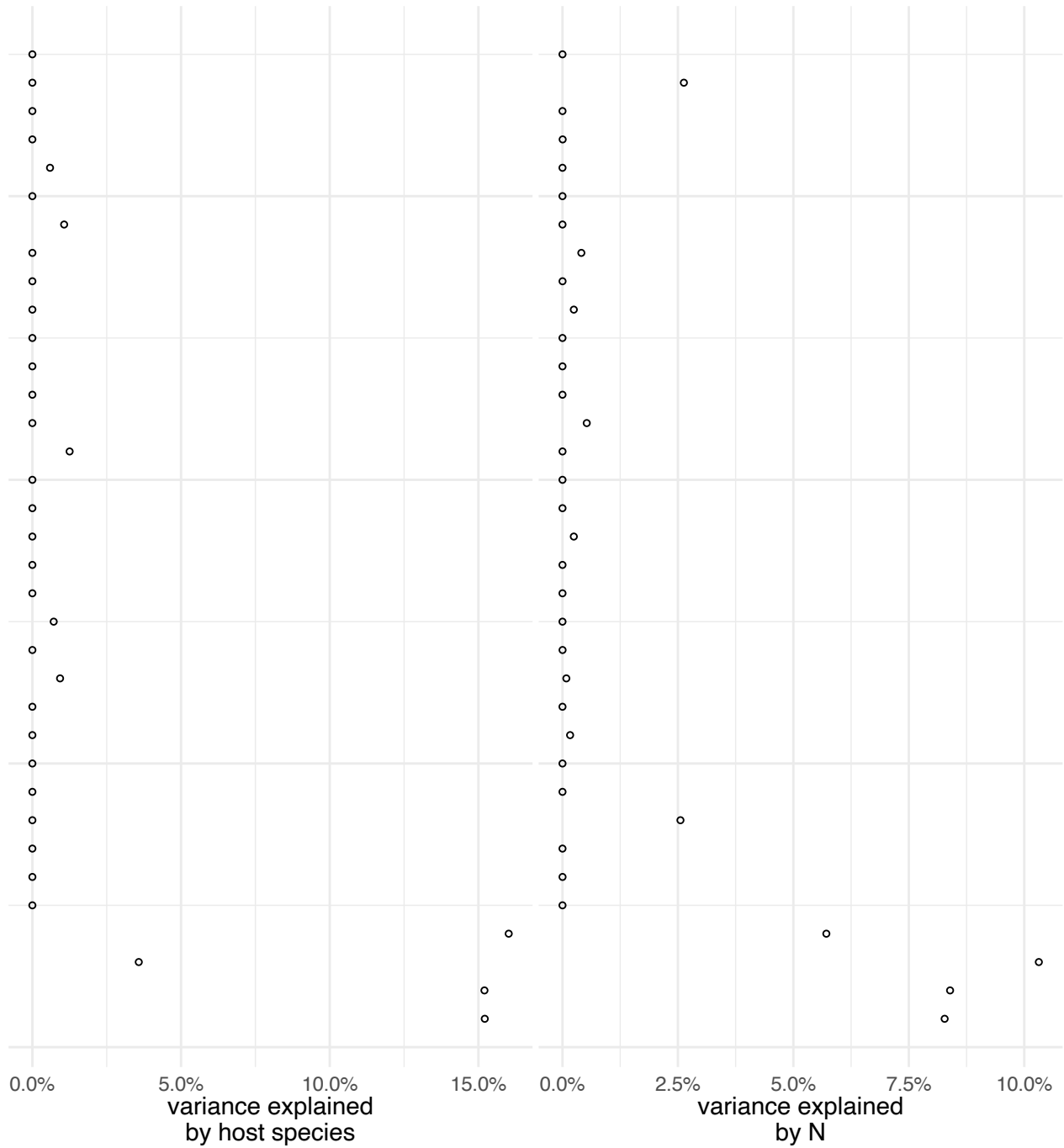
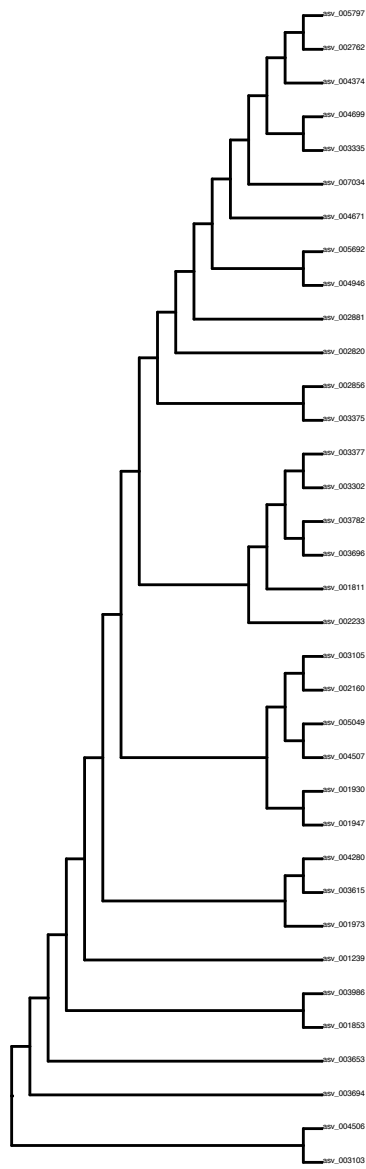
Terrimonas



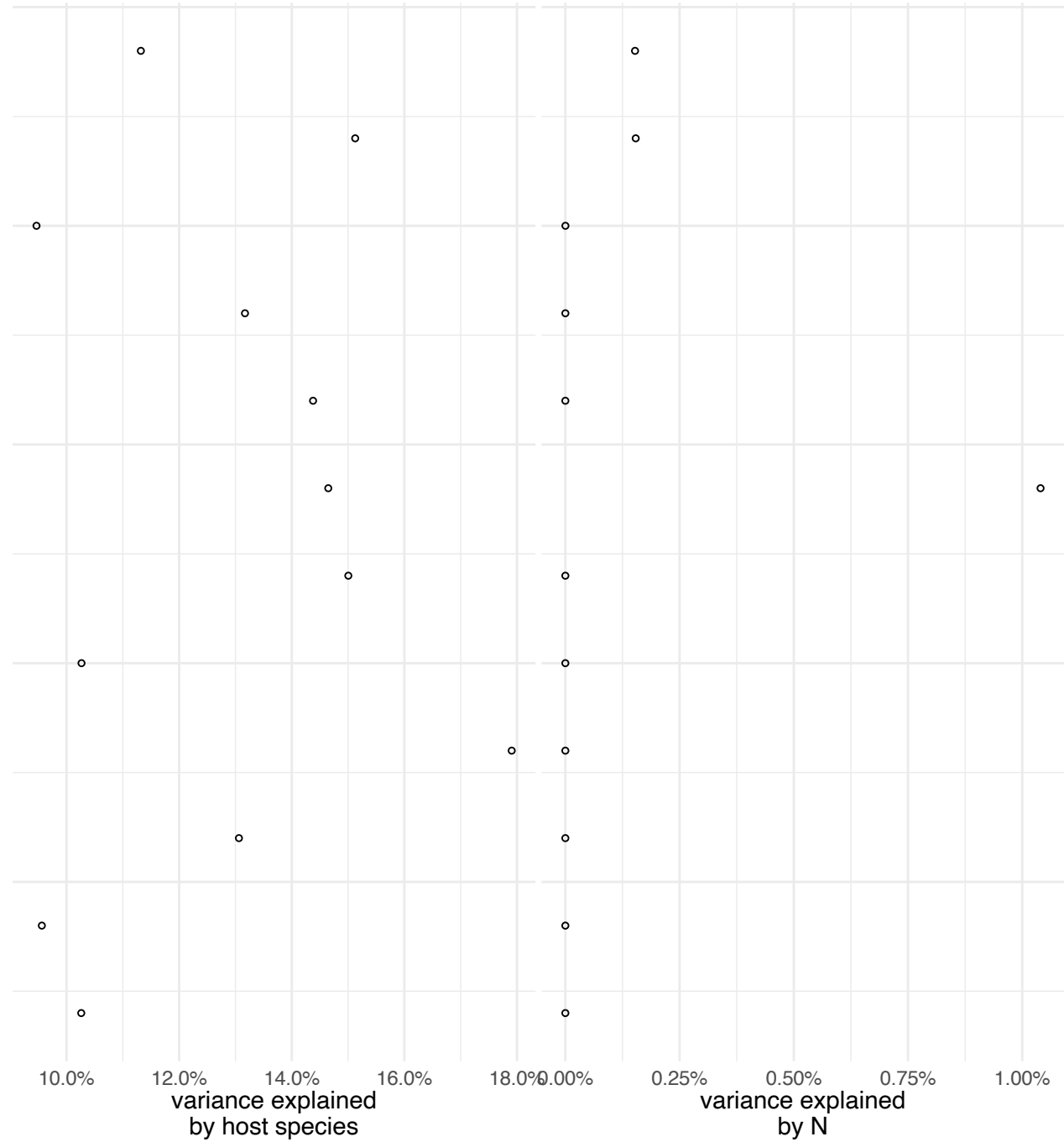
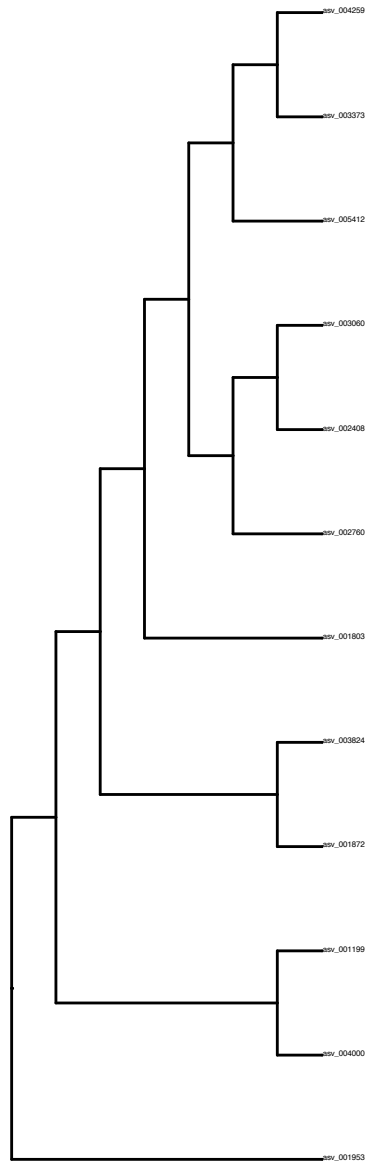
UTBCD1



Variovorax



Xenophilus



Yersinia

