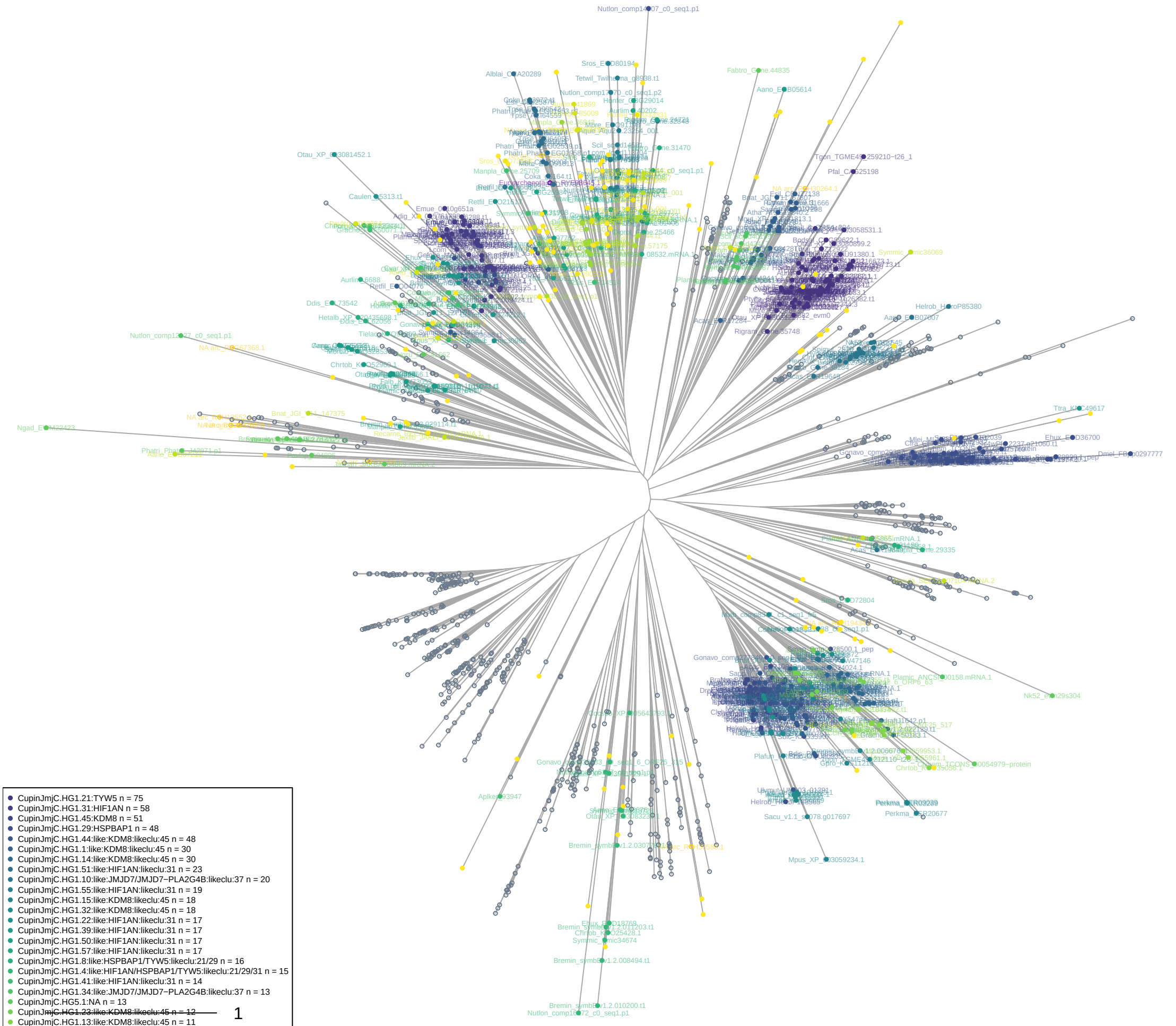
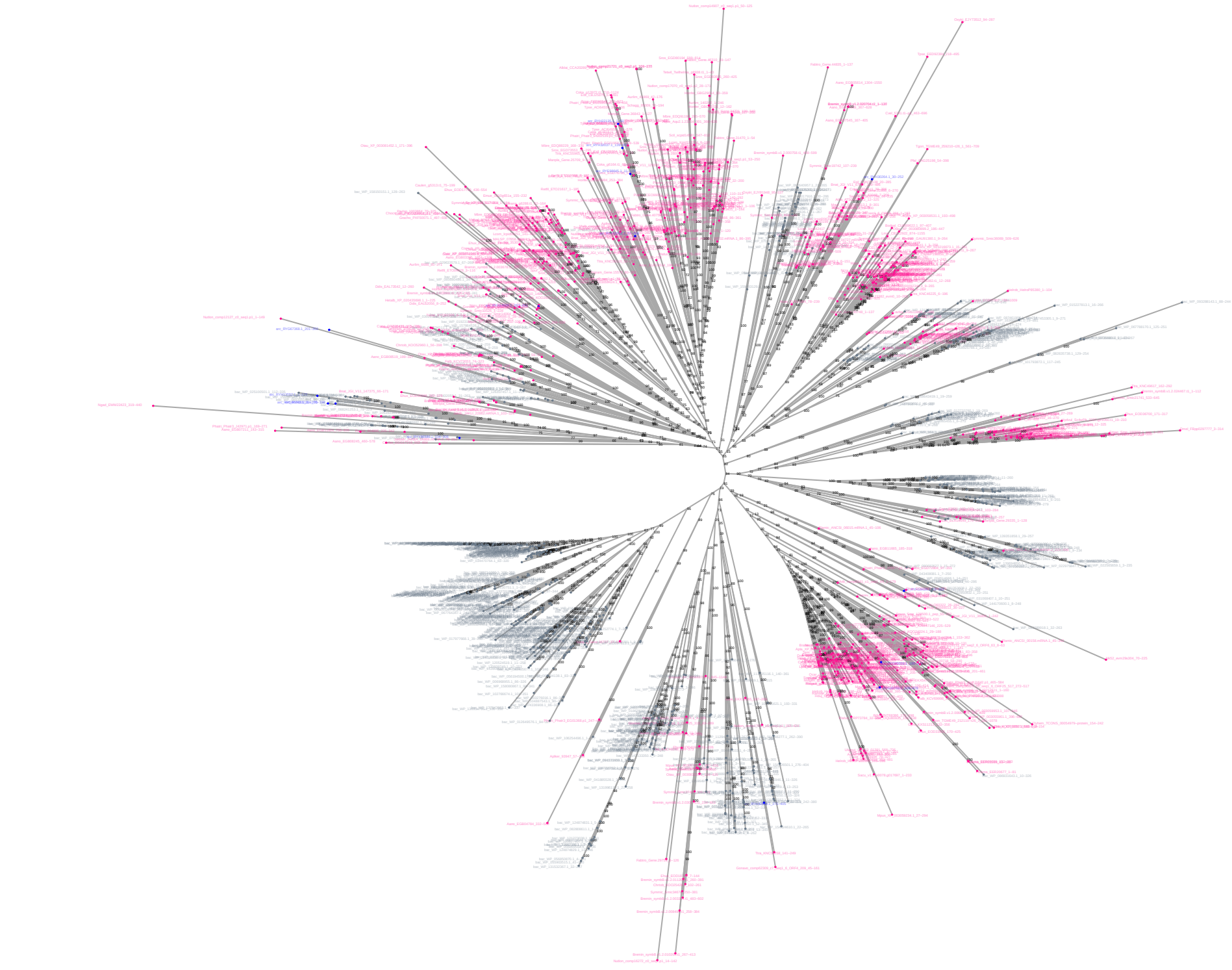
CupinJmjC
euk.CupinJmjC.phy.HG1.seqs.iqtree.treefile
n=1496 sequences

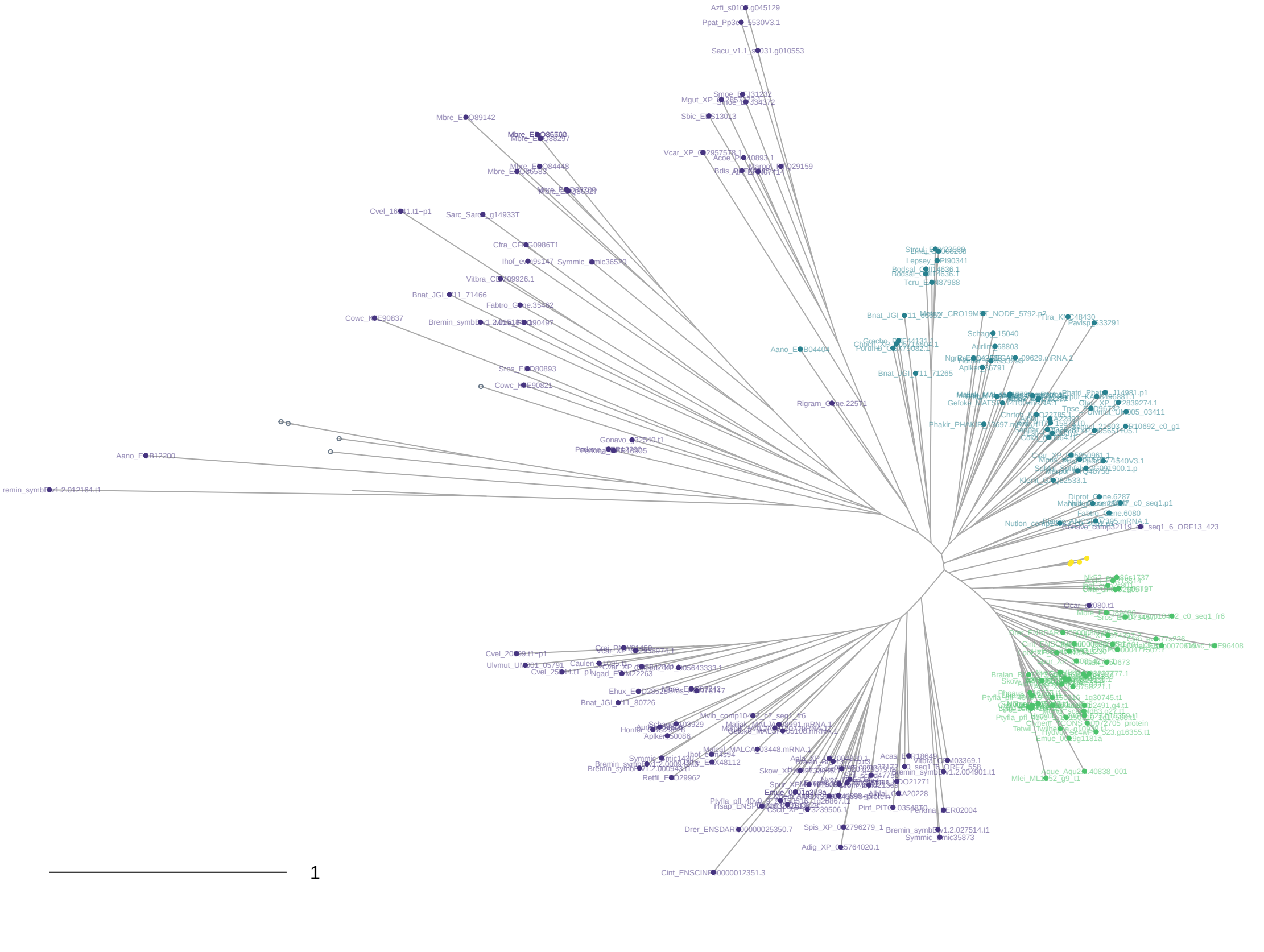




1

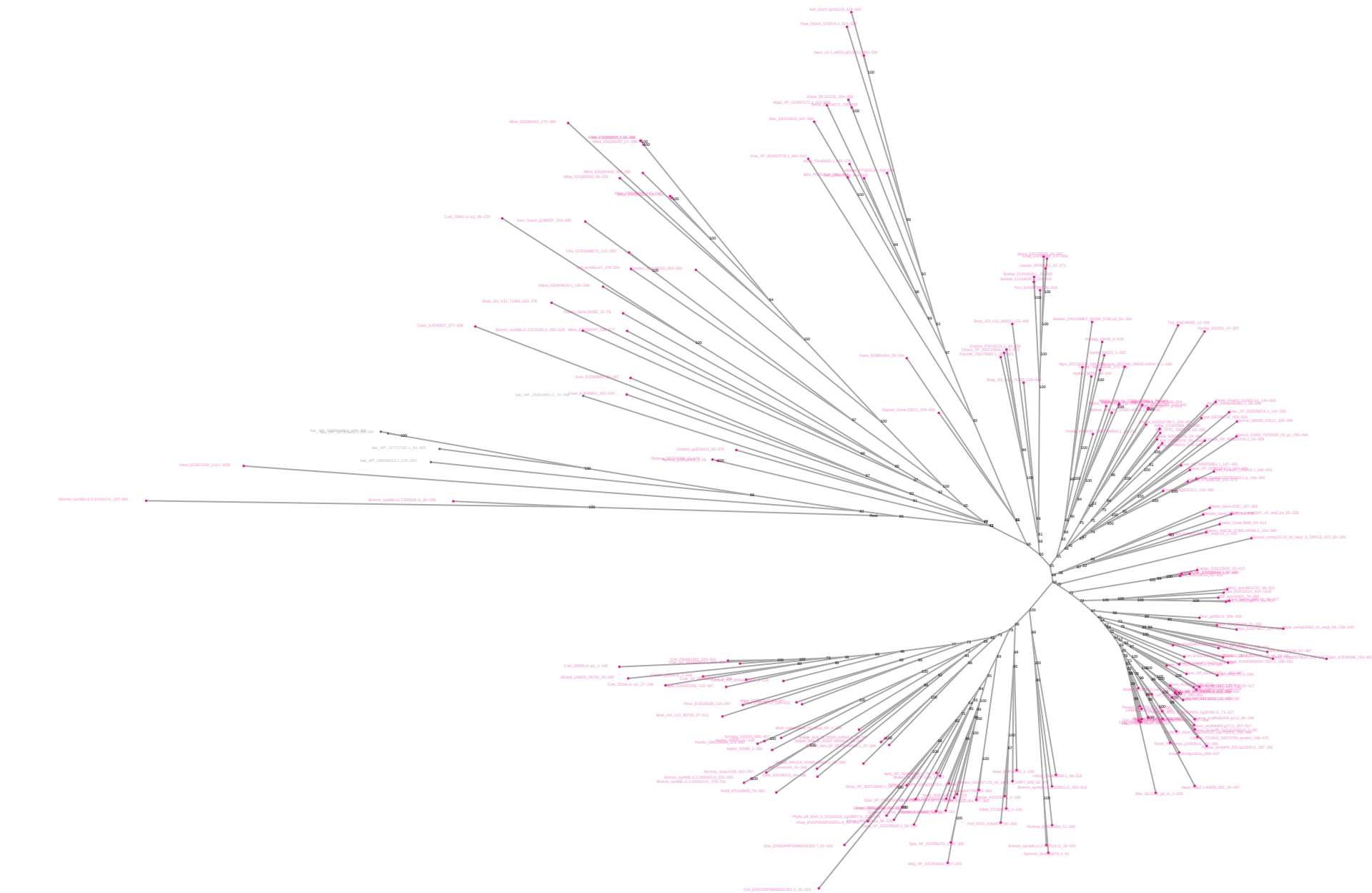
CupinJmjC
euk.CupinJmjC.phy.HG10.seqs.iqtree.treefile
n=215 sequences

eukaryotes
archaea
bacteria



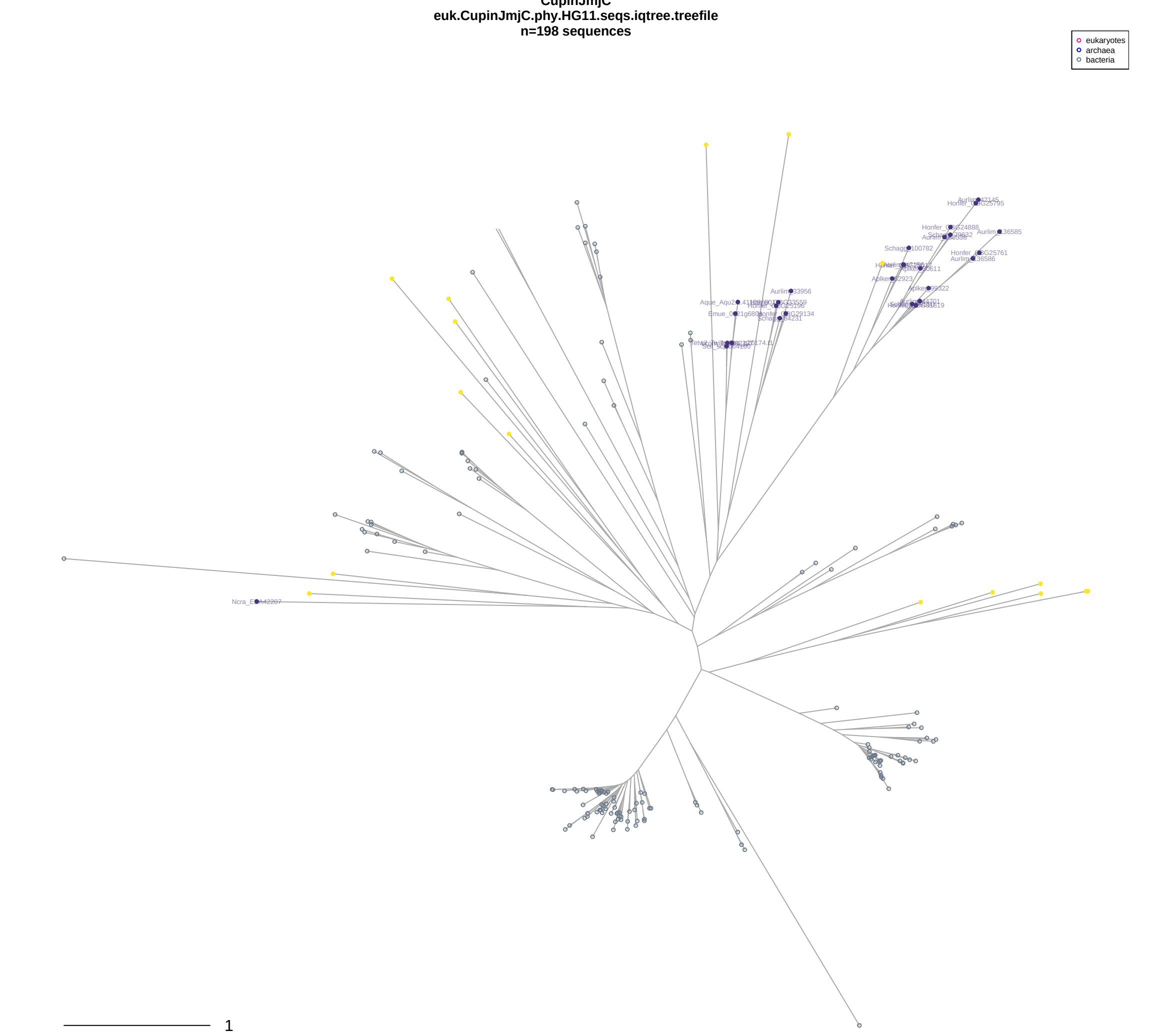
CupinJmjC.HG3.0:RIOX2 n = 101
CupinJmjC.HG3.1:like:RIOX1:likeclu:3 n = 54
CupinJmjC.HG3.3:RIOX1 n = 50
other n = 4

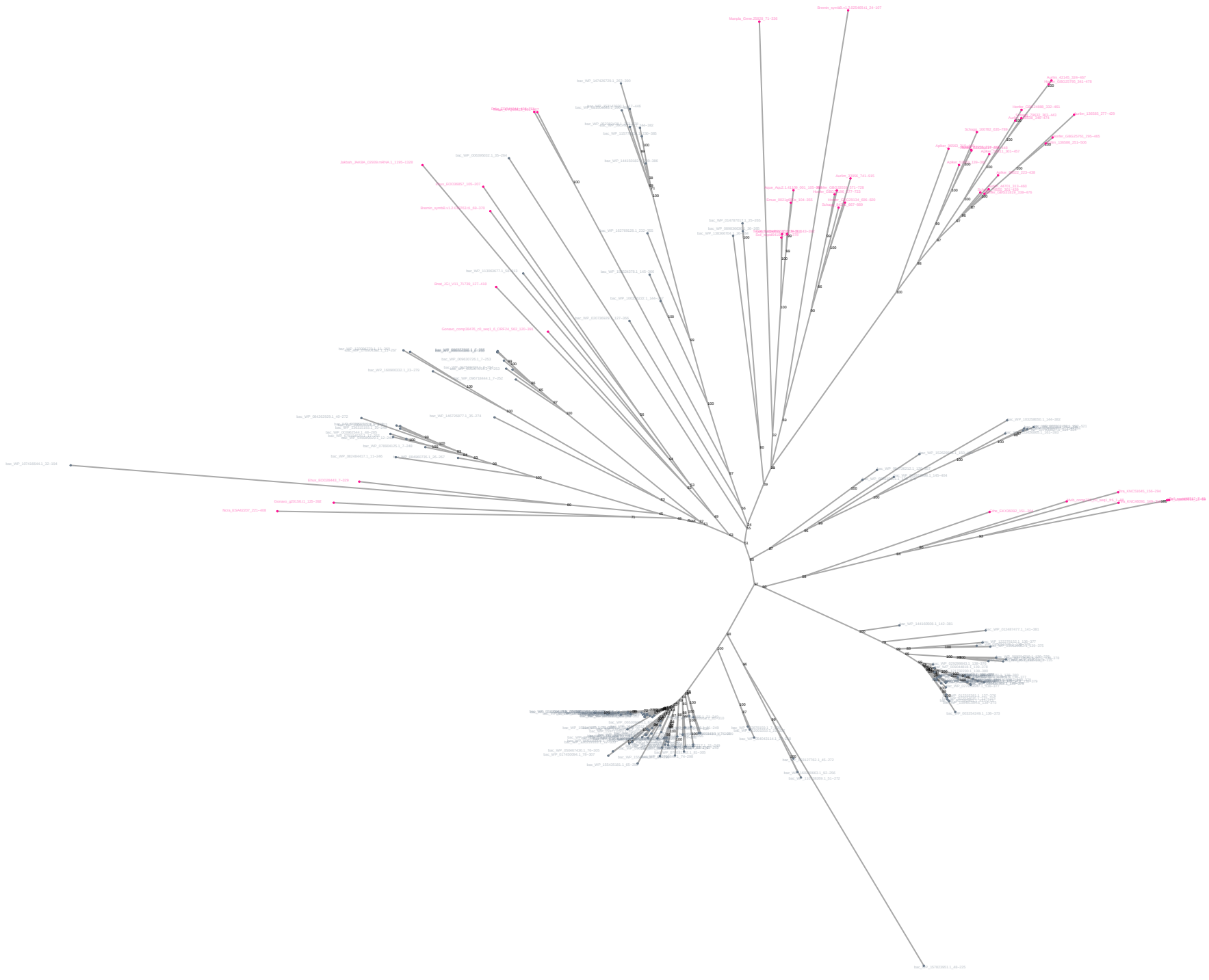
n =



1

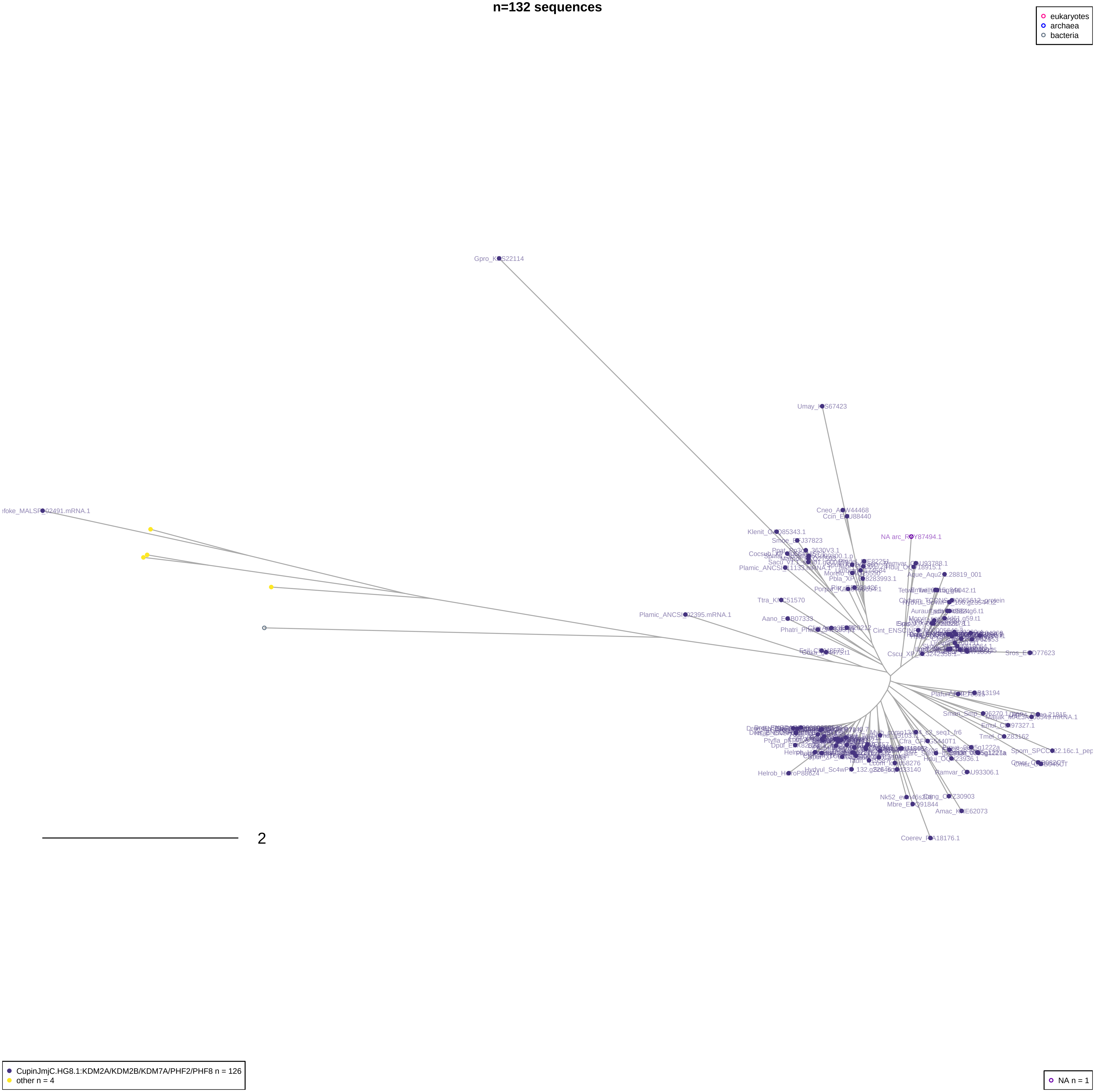
CupinJmjC
euk.CupinJmjC.phy.HG11.seqs.iqtree.treefile
n=198 sequences

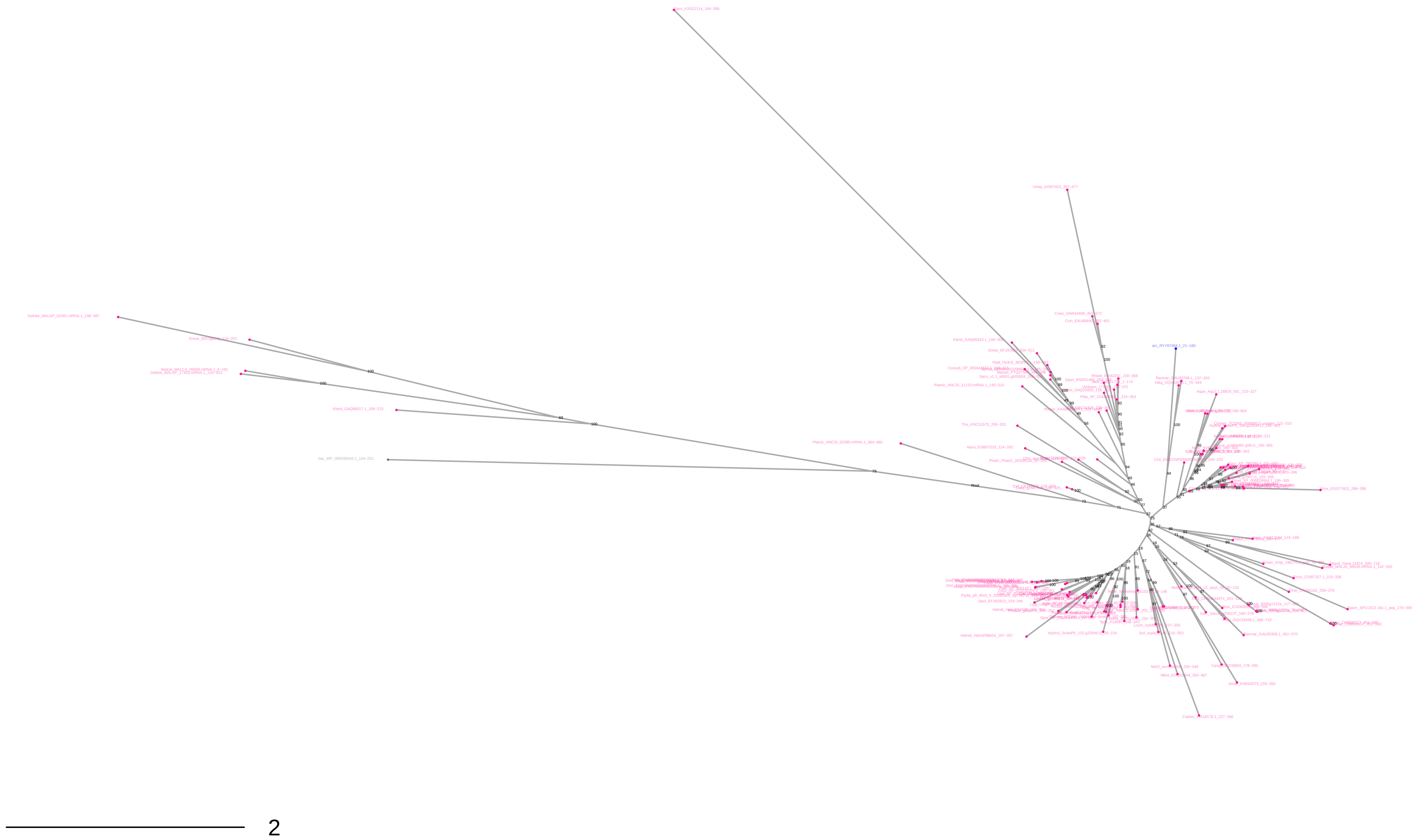




1

CupinJmjC
euk.CupinJmjC.phy.HG13.seqs.iqtree.treefile
n=132 sequences




Spro_KXS22114_164~286
Umay_KIS67423_357~477
Cneo_AAW44468_452~572
Gefoke_MALSP_02491.mRNA.1_238~387
Malcal_MALCA_09068.mRNA.1_6~191
Gefoke_MALSP_17303.mRNA.1_120~323
Klenit_GAQ88017.1_106~213
bac_WP_069506546.1_104~252
Klenit_GAQ85343.1_190~309
Plamic_ANCSI_11133.mRNA.1_140~310
Plamic_ANCSI_02395.mRNA.1_364~480
Ttra_KNC51570_208~333
Aano_EGB07333_124~242
Root
arc_RYY87494.1_21~160
Ramvar_GAU93788.1_137~343
Aque_Aqu2.1.28819_001_215~327
Sros_EGD77623_286~399
Diprot_Gene.21815_585~718
Emul_CDI97327.1_215~336
Tmel_CAZ83162_258~378
Spom_SPCC622.16c.1_pep_275~395
Ramvar_GAU93306.1_451~570
Hduj_OQV23936.1_466~732
Dpul_EFX82823_154~346
Helrob_HelroP88624_167~357
Hydvul_Sc4wPfr_132.g22646.t1_35~154
Coerev_PIA18176.1_227~346
2

CupinJmjC
euk.CupinJmjC.phy.HG15.seqs.iqtree.treefile
n=95 sequences

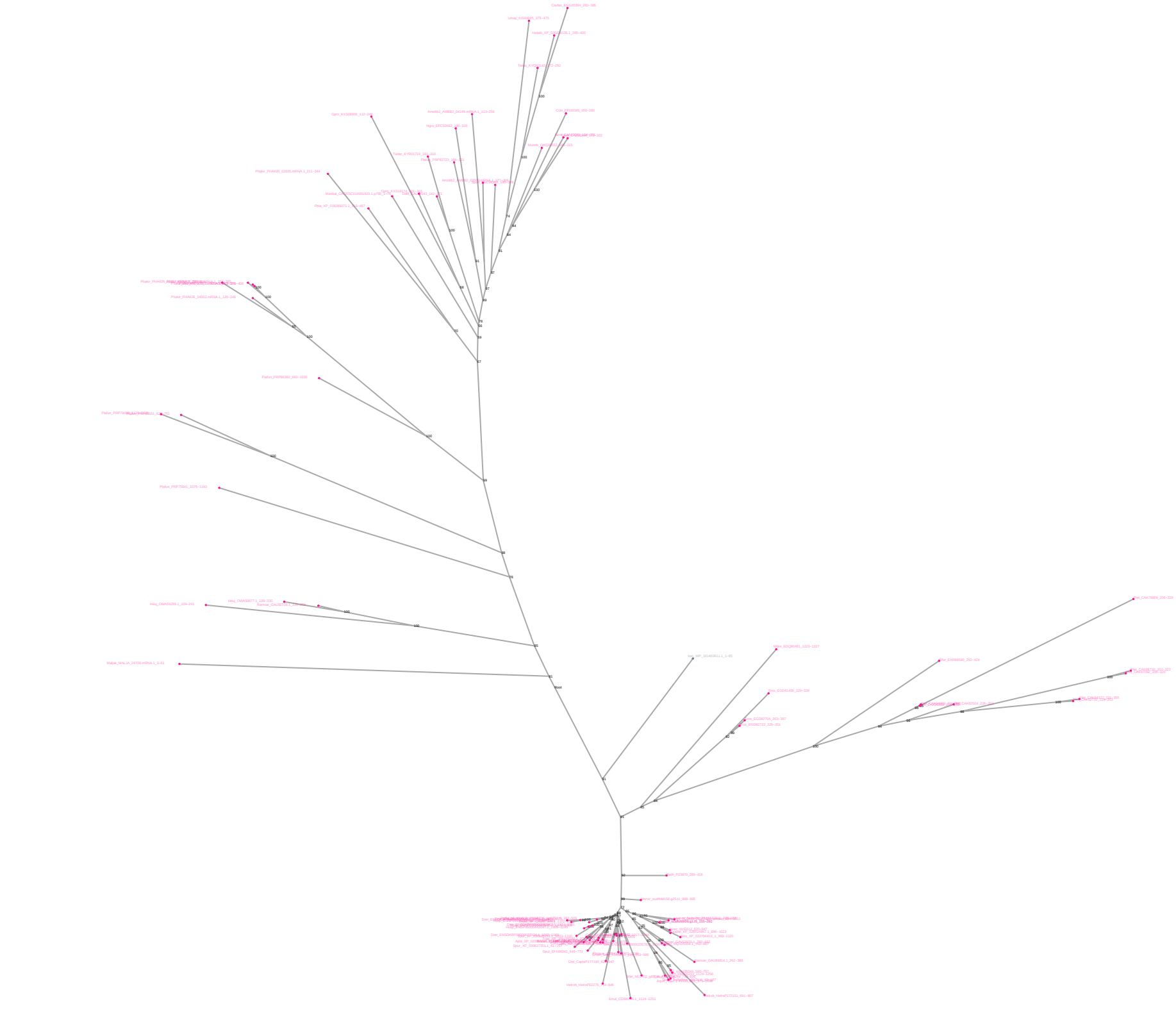
eukaryotes
archaea
bacteria

Cavfas_EKG20364
Umay_KIS69225
Helalb_XP_020434135.1
Tielac_KIQ93143
Gpro_KIS08906
Amobb2_AMBB_04199.mRNA.1
Ccin_EKI28345
Ngru_EKC50662
Morelo_KIA030553
Tielac_KIR01724
Plafun_KNP82723
Phakir_PHAKIR_02605.mRNA.1
Amobb2_AMBB_03509.mRNA.1
Masbal_CACRSC
Pbla_XP_028289271.1
Phakir_PHAKIR_04502.mRNA.1
Plafun_KNP86382
Plafun_KNP80161
Plafun_KNP75641
Hduj_OWA54289.1
Hduj_OWA50677.1
Ramvar_GCU92728.1
Maljak_MALJA_24709.mRNA.1
Mbre_EKQ90461
Sros_EKD81450
Sros_EKD82704
Sros_EKD82722
Tthe_EKR88590
Ptet_CAK78809
Ptet_CAK87092
Ptet_CAK82504
Ptet_CAK64377
Tadh_23870
Morvir_scaffold156.g25.t1
Ramvar_GCU89814.1
Helrob_HeroP82278
Emul_CCI98116.1
Helrob_HeroP172151

1

CupinJmjC.HG10.0:KDM6A/KDM6B/UTY n = 94
other n = 0

n =


Root
1

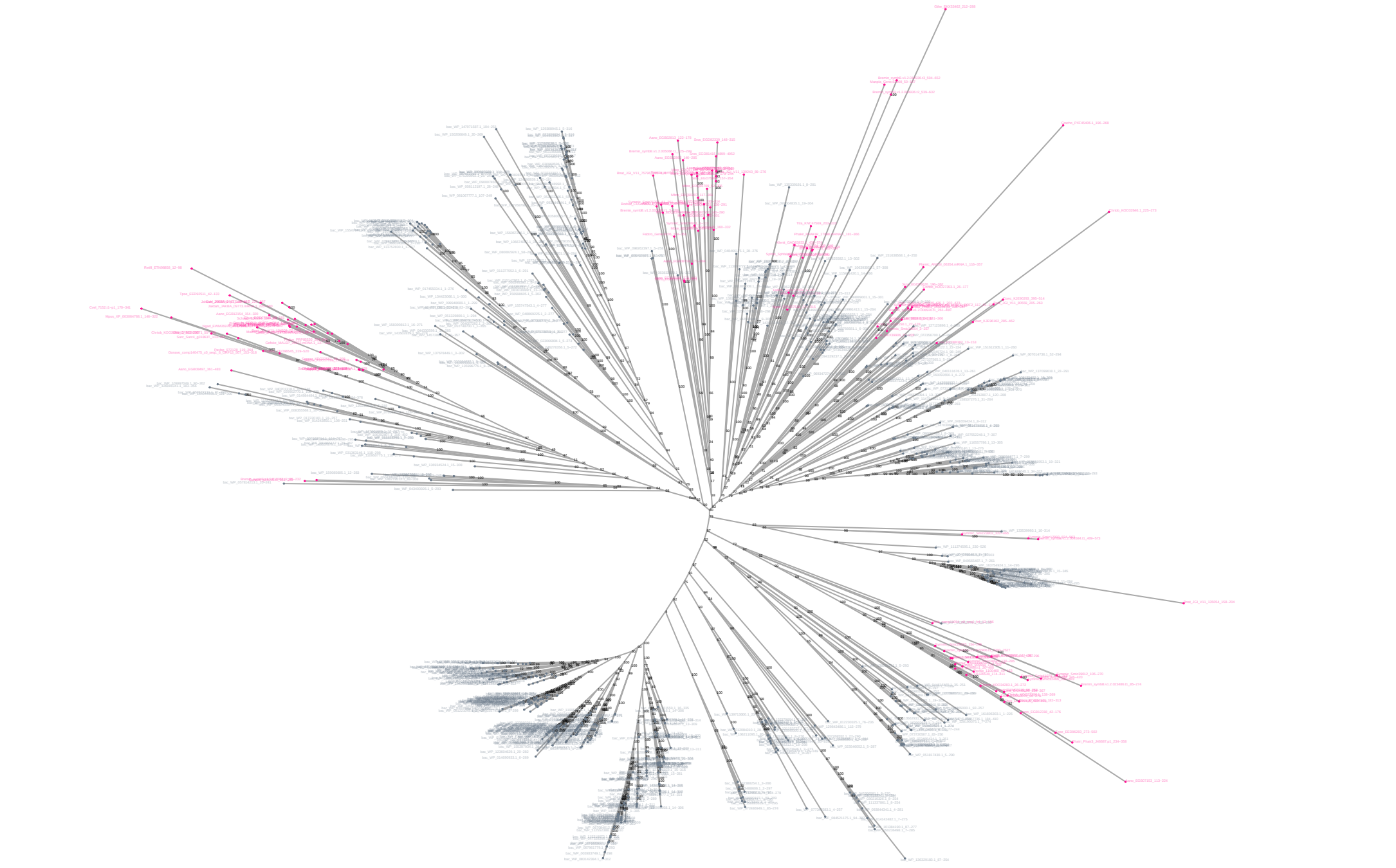
CupinJmjC
euk.CupinJmjC.phy.HG2.seqs.iqtree.treefile
n=852 sequences

eukaryotes
archaea
bacteria

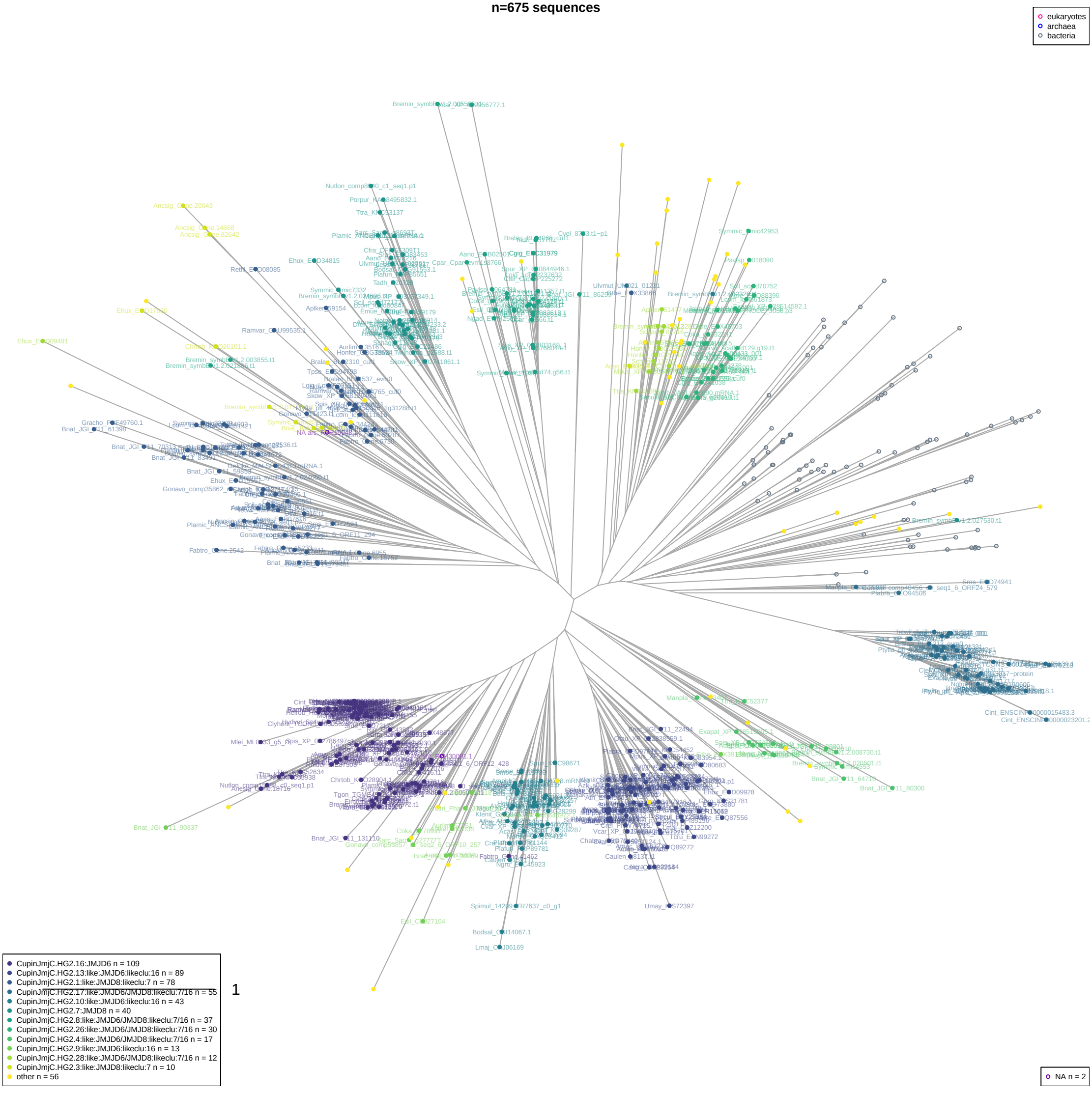
1

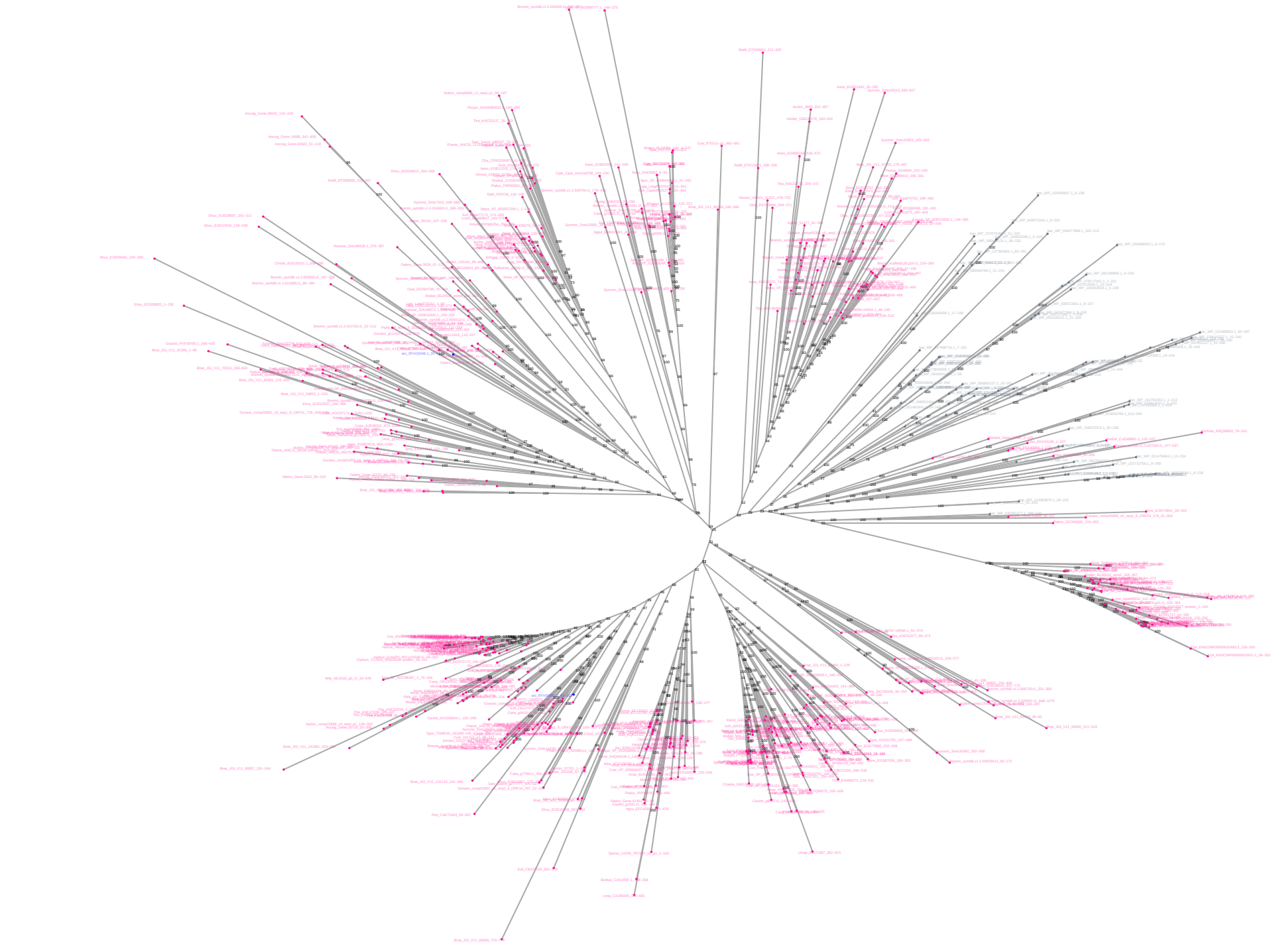
CupinJmjC.HG3.0:RIOX2 n = 119
CupinJmjC.HG1.28:like:HSPBAP1:likeclu:29 n = 10
other n = 9

n =


1

CupinJmjC
euk.CupinJmjC.phy.HG3.seqs.iqtree.treefile
n=675 sequences

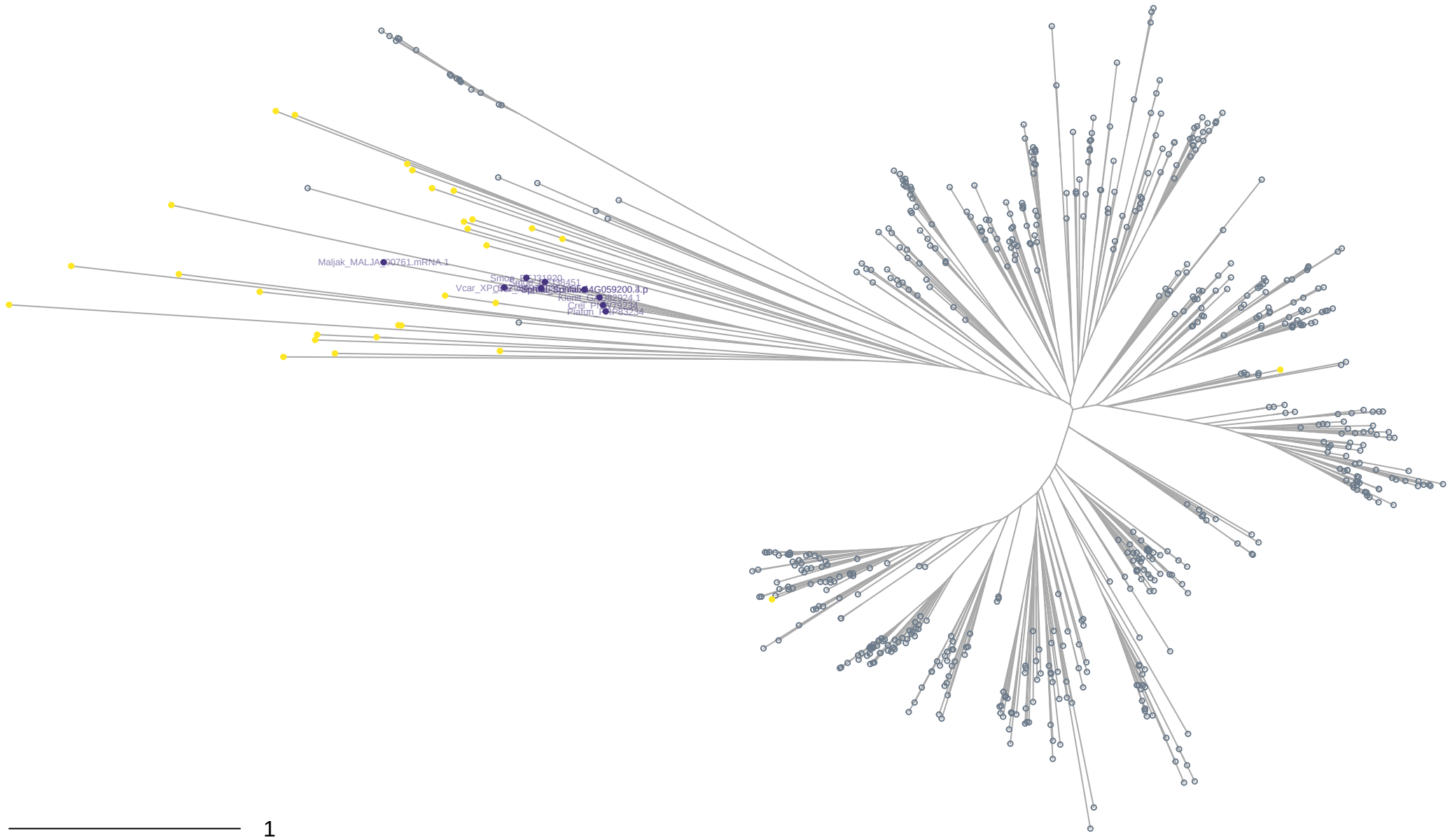




1

CupinJmjC
euk.CupinJmjC.phy.HG4.seqs.iqtree.treefile
n=641 sequences

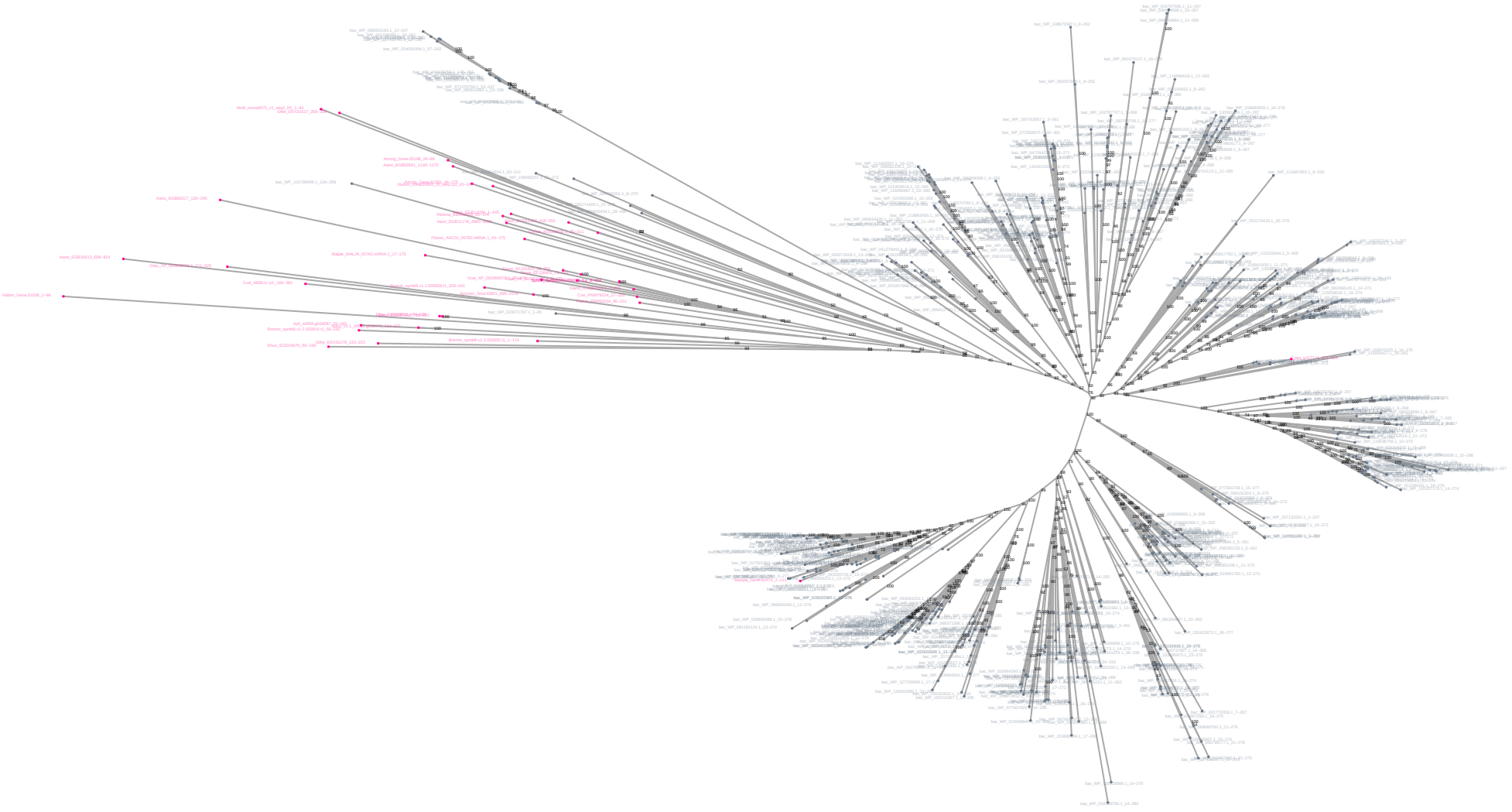
eukaryotes
archaea
bacteria



1

CupinJmjC.HG1.1:like:KDM8:likeclu:45 n = 10
other n = 29

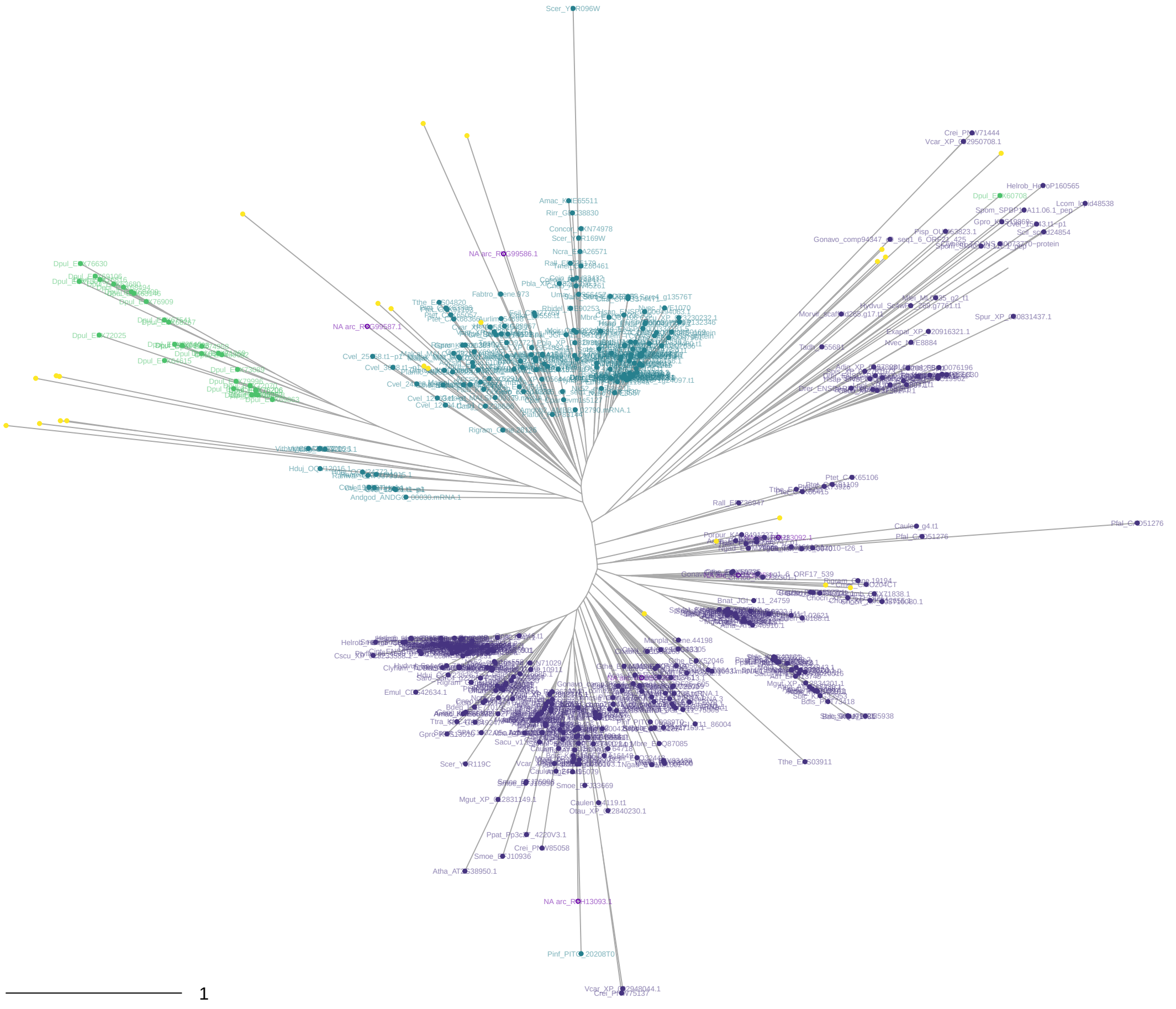
n =



1

CupinJmjC
euk.CupinJmjC.phy.HG5.seqs.iqtree.treefile
n=554 sequences

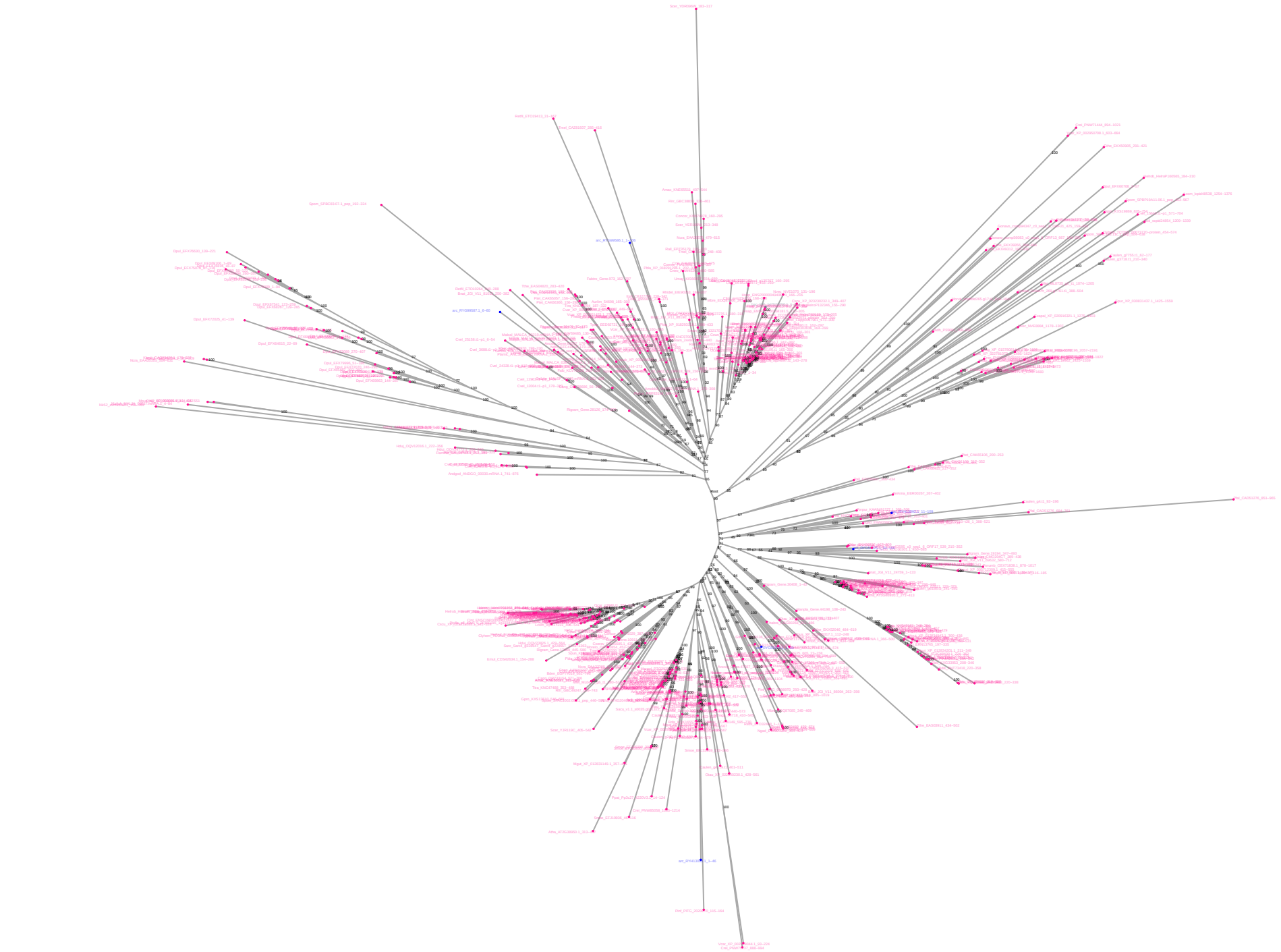
eukaryotes
archaea
bacteria



1

CupinJmjC.HG4.1:JARID2/KDM5A/KDM5B/KDM5C/KDM5D n = 331
CupinJmjC.HG6.4:AL451062.4/KDM4A/KDM4B/KDM4C/KDM4D/KDM4E/KDM4F n = 158
CupinJmjC.HG6.0:like:AL451062.4/KDM4A/KDM4B/KDM4C/KDM4D/KDM4E/KDM4F:likeclu:4 n = 31
other n = 24

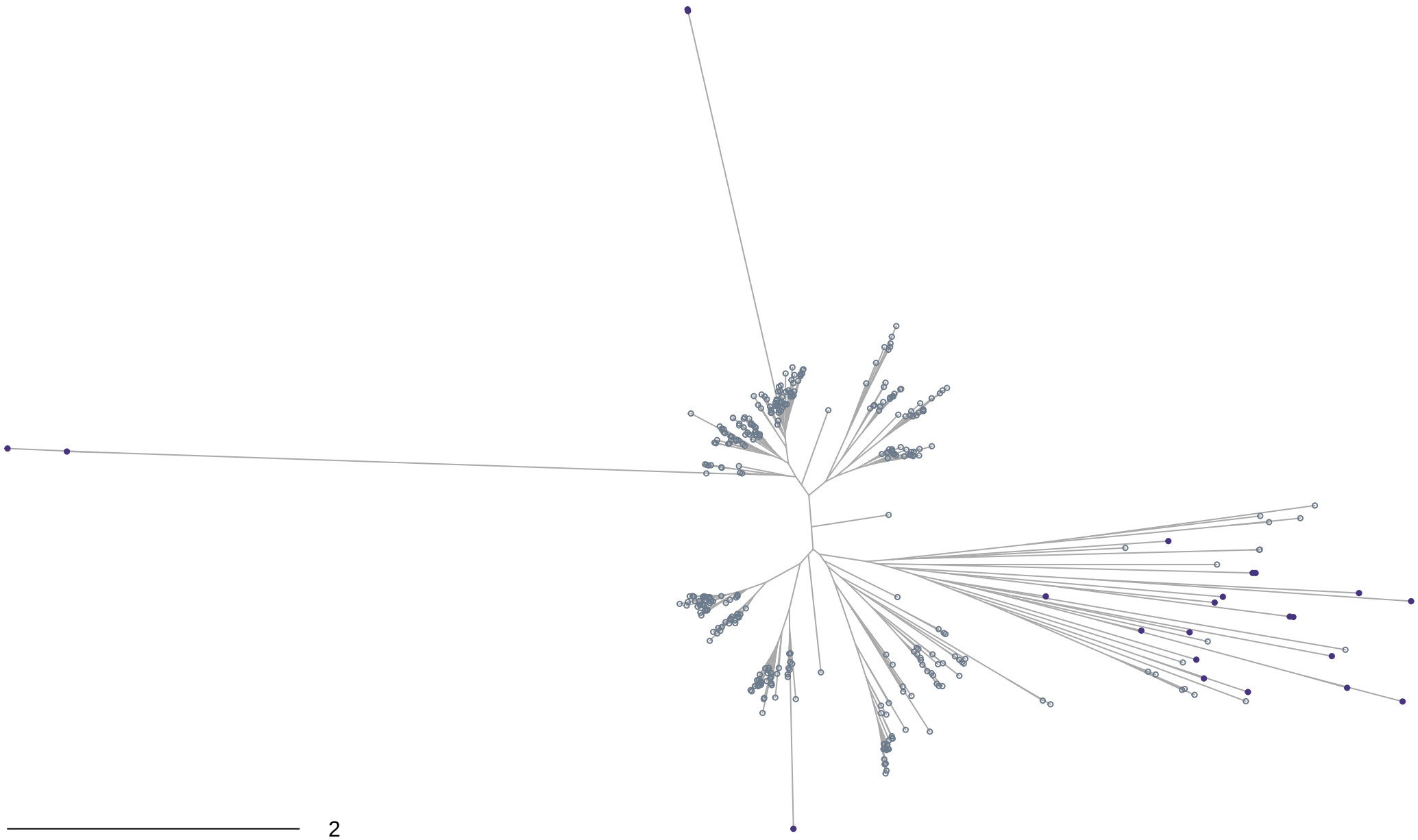
NA n = 6



1

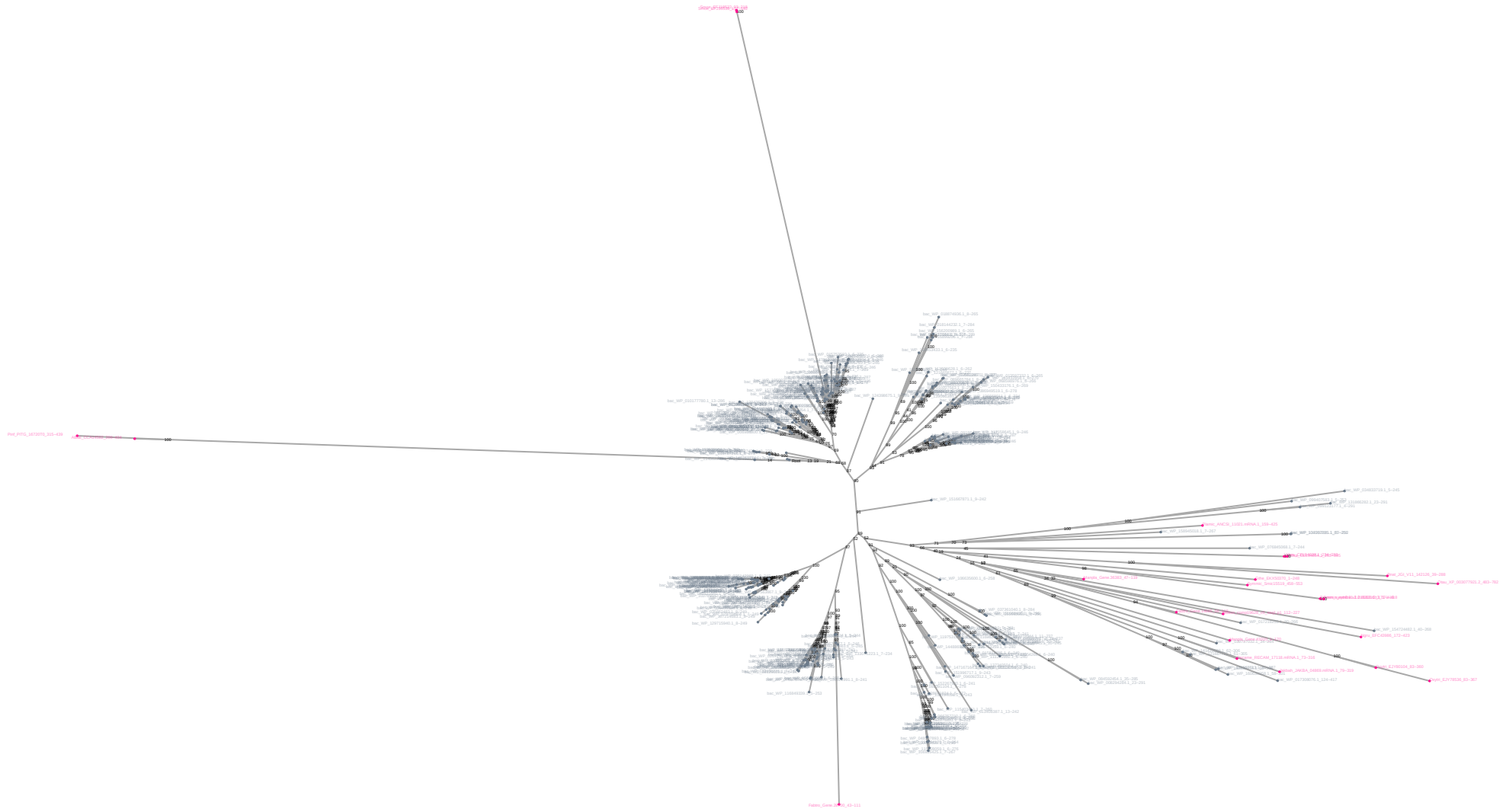
CupinJmjC
euk.CupinJmjC.phy.HG6.seqs.iqtree.treefile
n=369 sequences

eukaryotes
archaea
bacteria



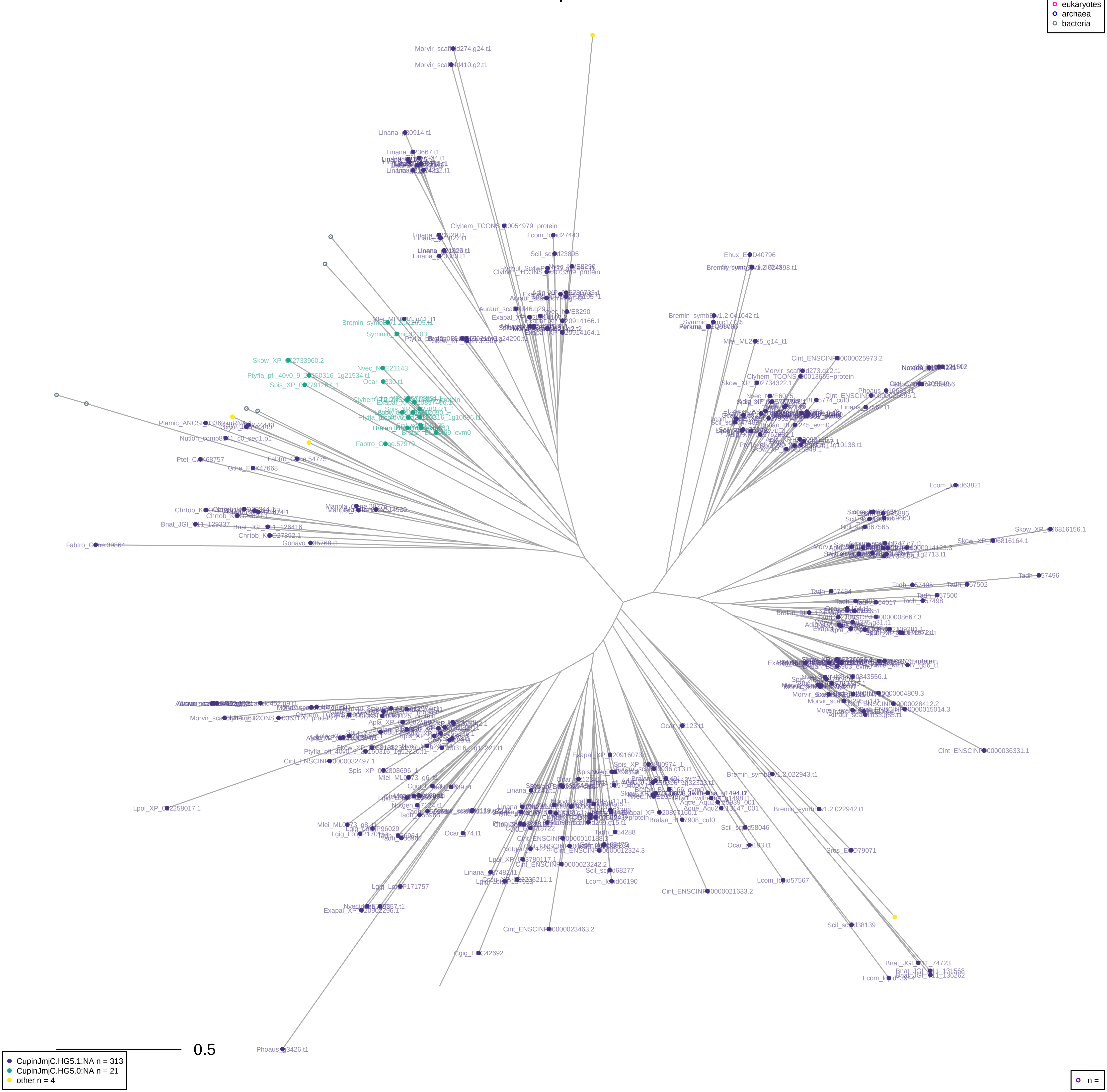
other n = 23

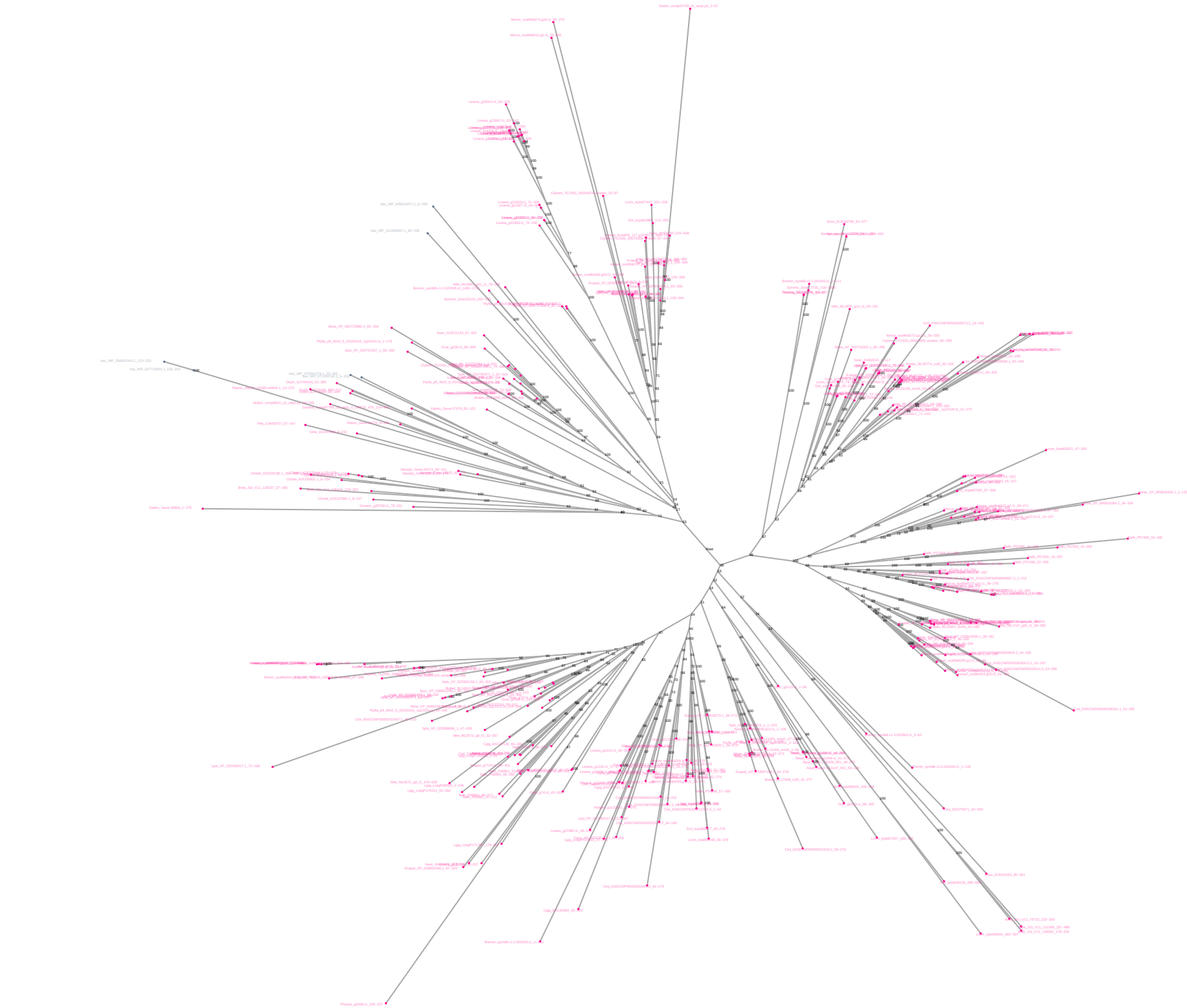
n =



2

CupinJmjC
euk.CupinJmjC.phy.HG7.seqs.iqtree.treefile
n=345 sequences




0.5

CupinJmjC
euk.CupinJmjC.phy.HG8.seqs.iqtree.treefile
n=299 sequences

eukaryotes
archaea
bacteria

CupinJmjC.HG1.37:JMJD7/JMJD7−PLA2G4B n = 140
CupinJmjC.HG1.17:like:JMJD7/JMJD7−PLA2G4B:likeclu:37 n = 60
CupinJmjC.HG1.35:like:JMJD7/JMJD7−PLA2G4B:likeclu:37 n = 54
CupinJmjC.HG1.34:like:JMJD7/JMJD7−PLA2G4B:likeclu:37 n = 12
other n = 29

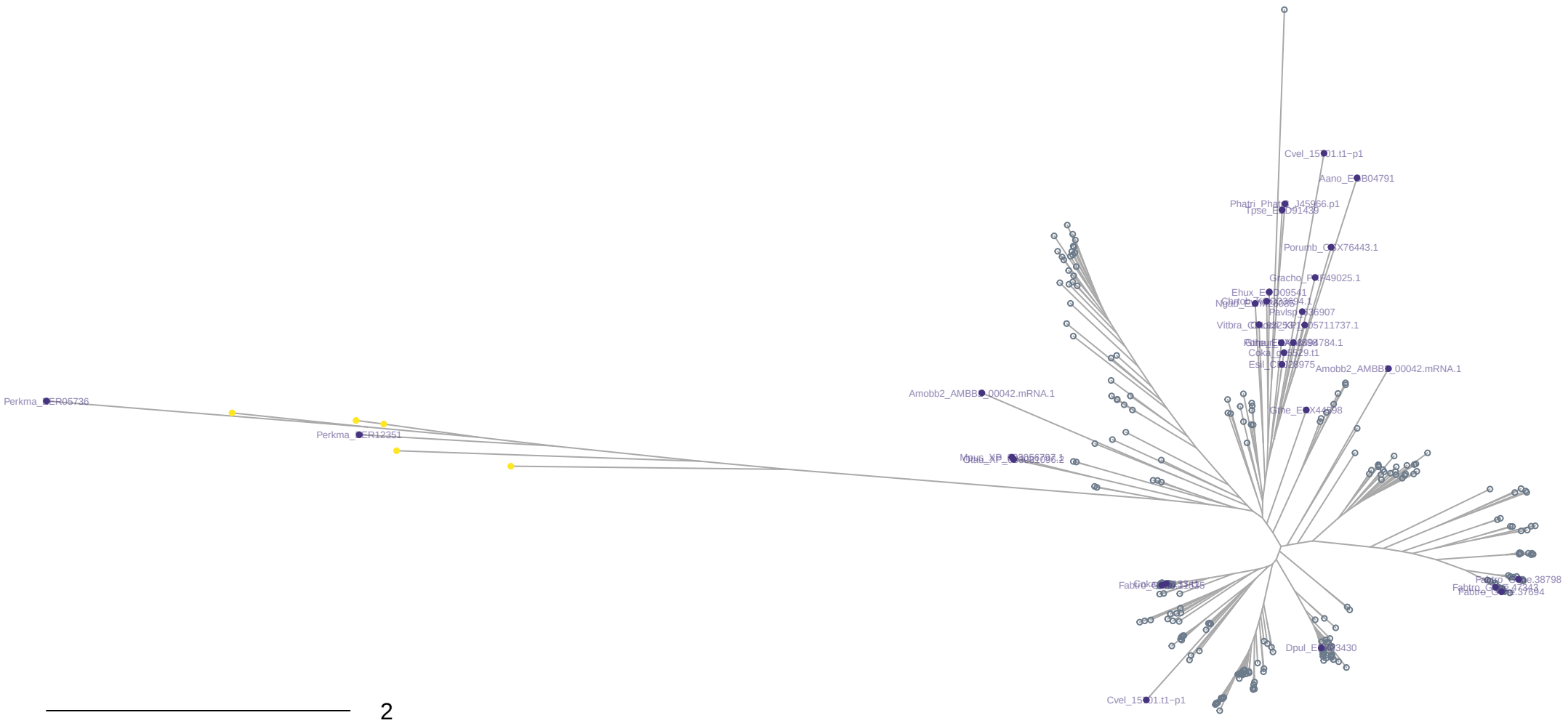
1

NA n = 4

1

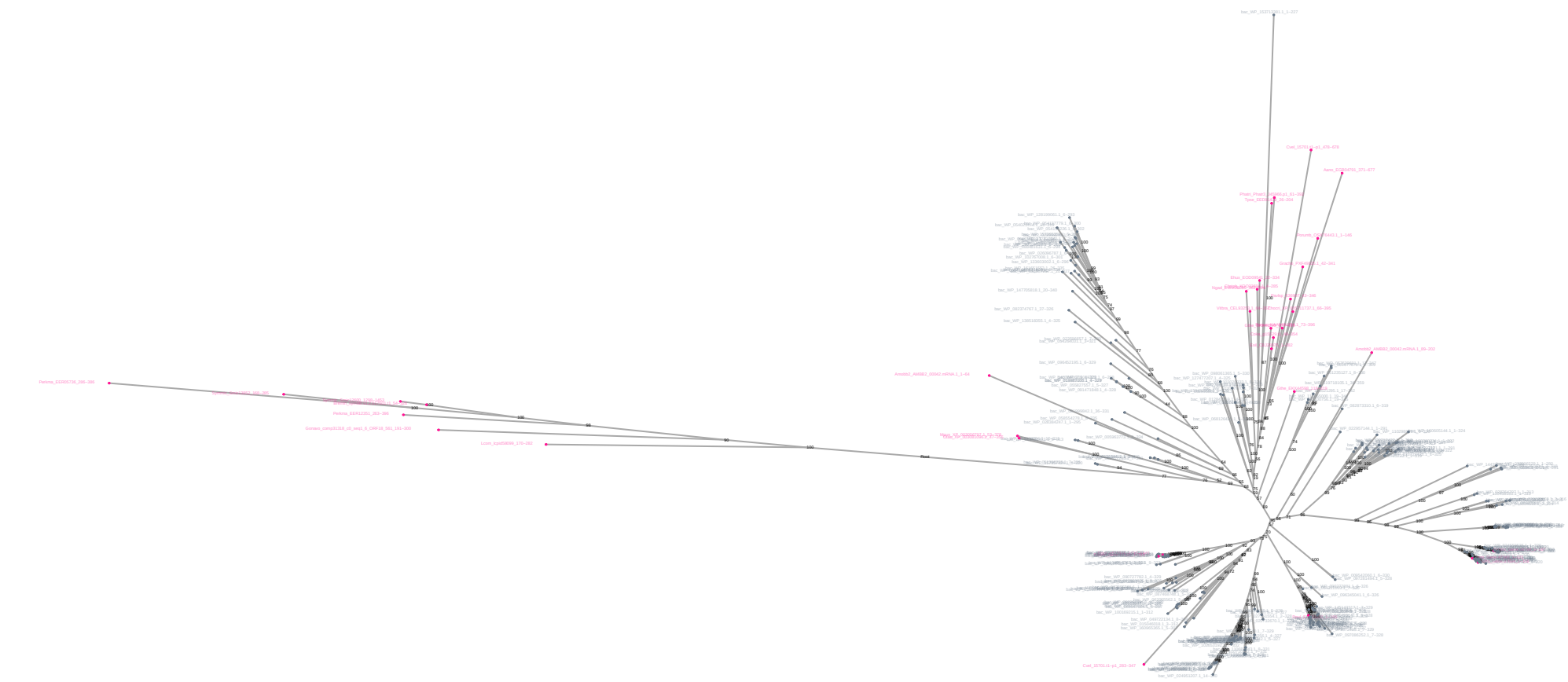
CupinJmjC
euk.CupinJmjC.phy.HG9.seqs.iqtree.treefile
n=272 sequences

eukaryotes
archaea
bacteria



CupinJmjC.HG3.0:RIOX2 n = 30
other n = 5

n =


2