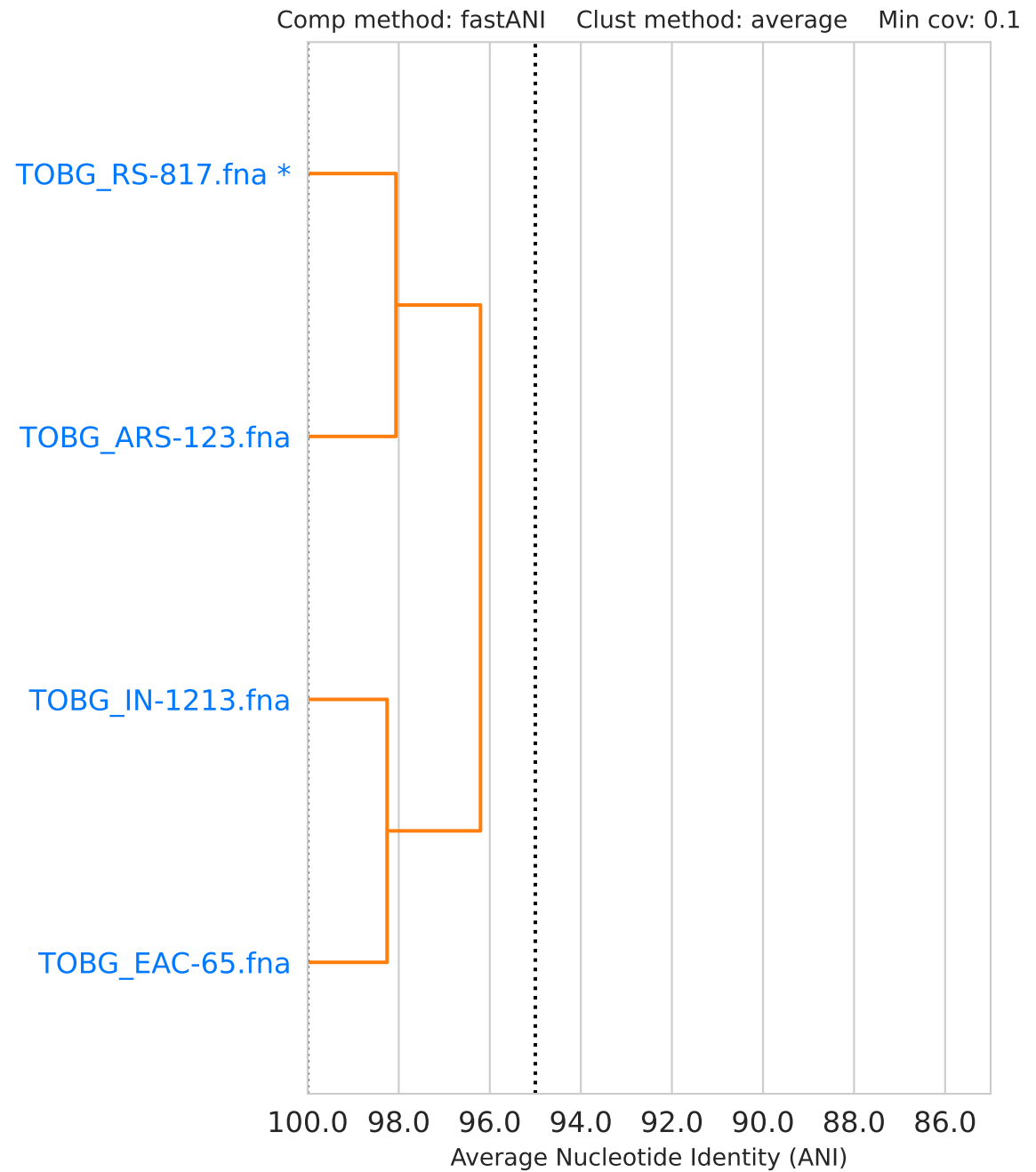


Primary cluster 5



Primary cluster 6

Comp method: fastANI

Clust method: average

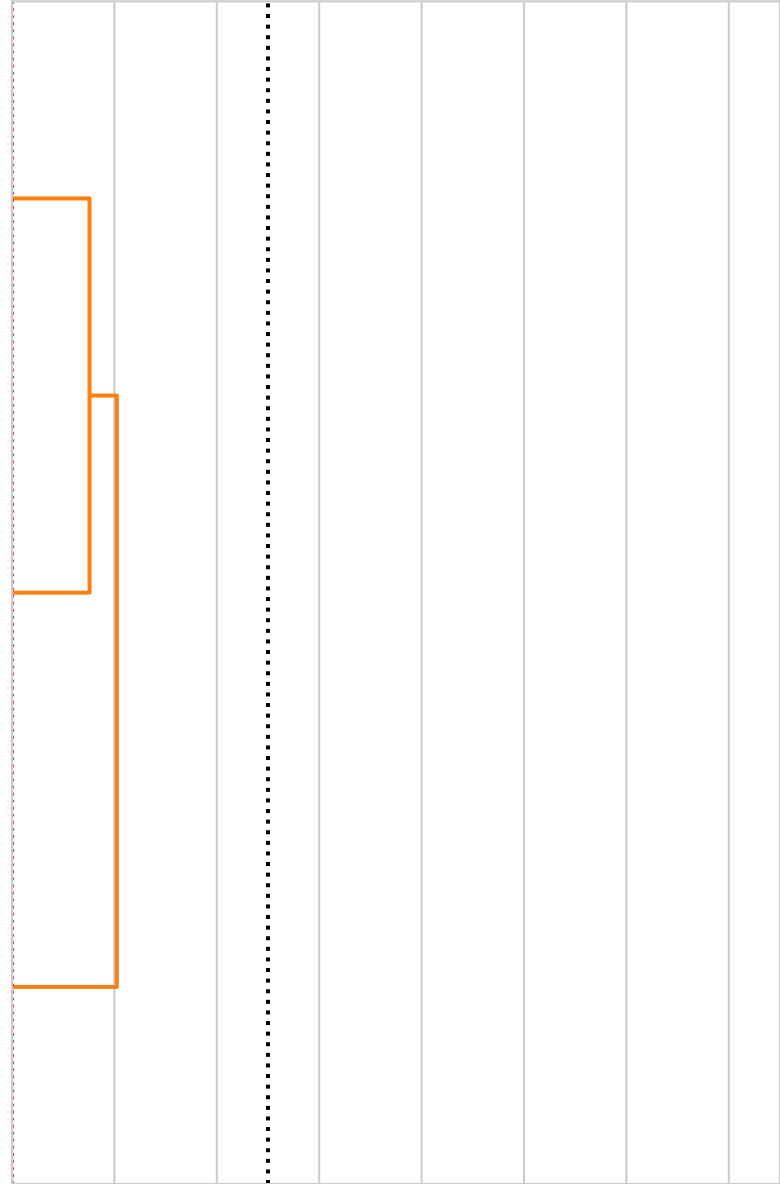
Min cov: 0.1

TOBG_SAT-1448.fna

TOBG_EAC-2021.fna *

TOBG_NAT-206.fna

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 10

Comp method: fastANI

Clust method: average

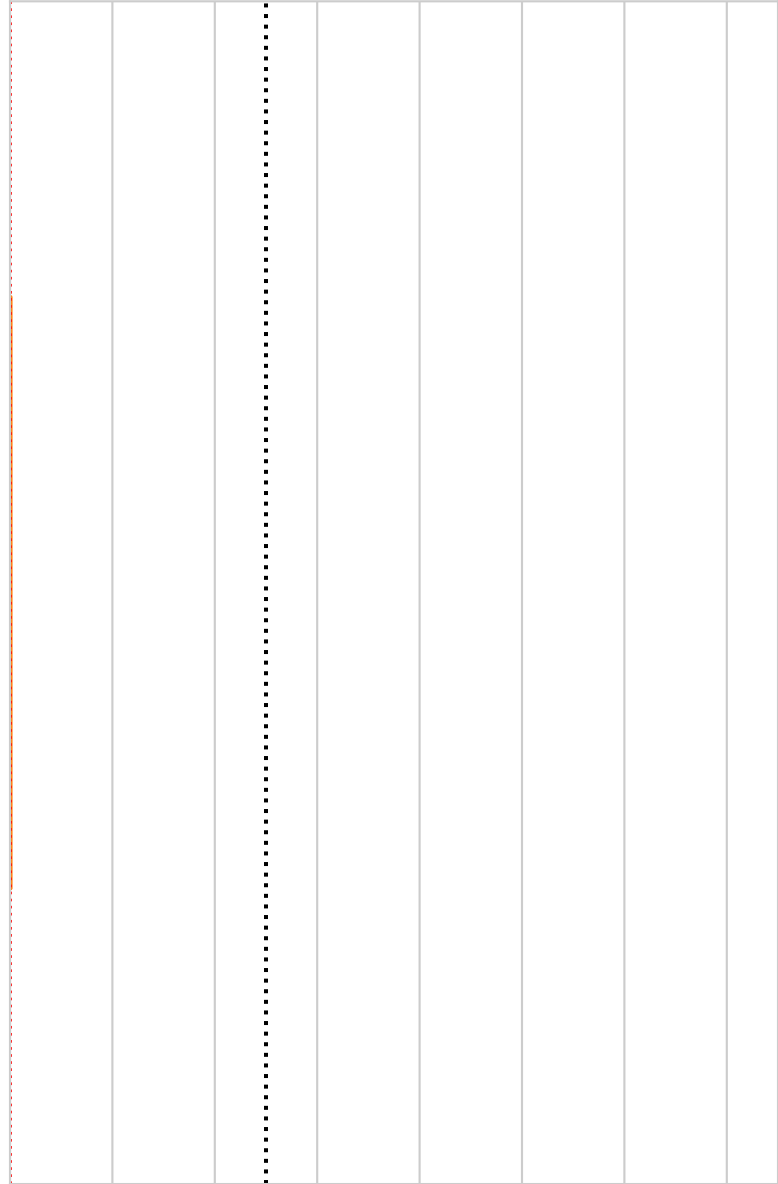
Min cov: 0.1

TOBG_SP-97.fna

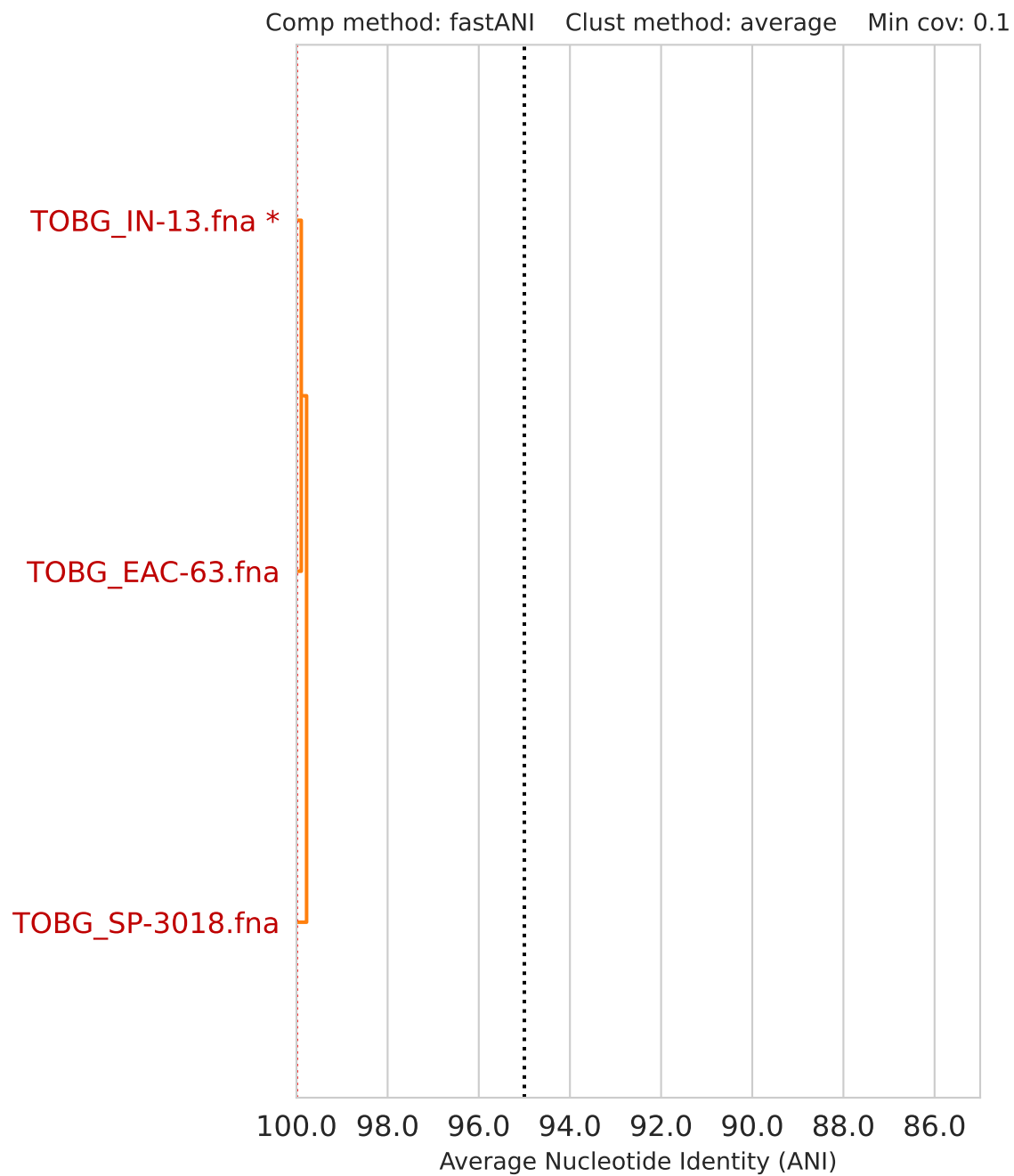
TOBG_CPC-71.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0

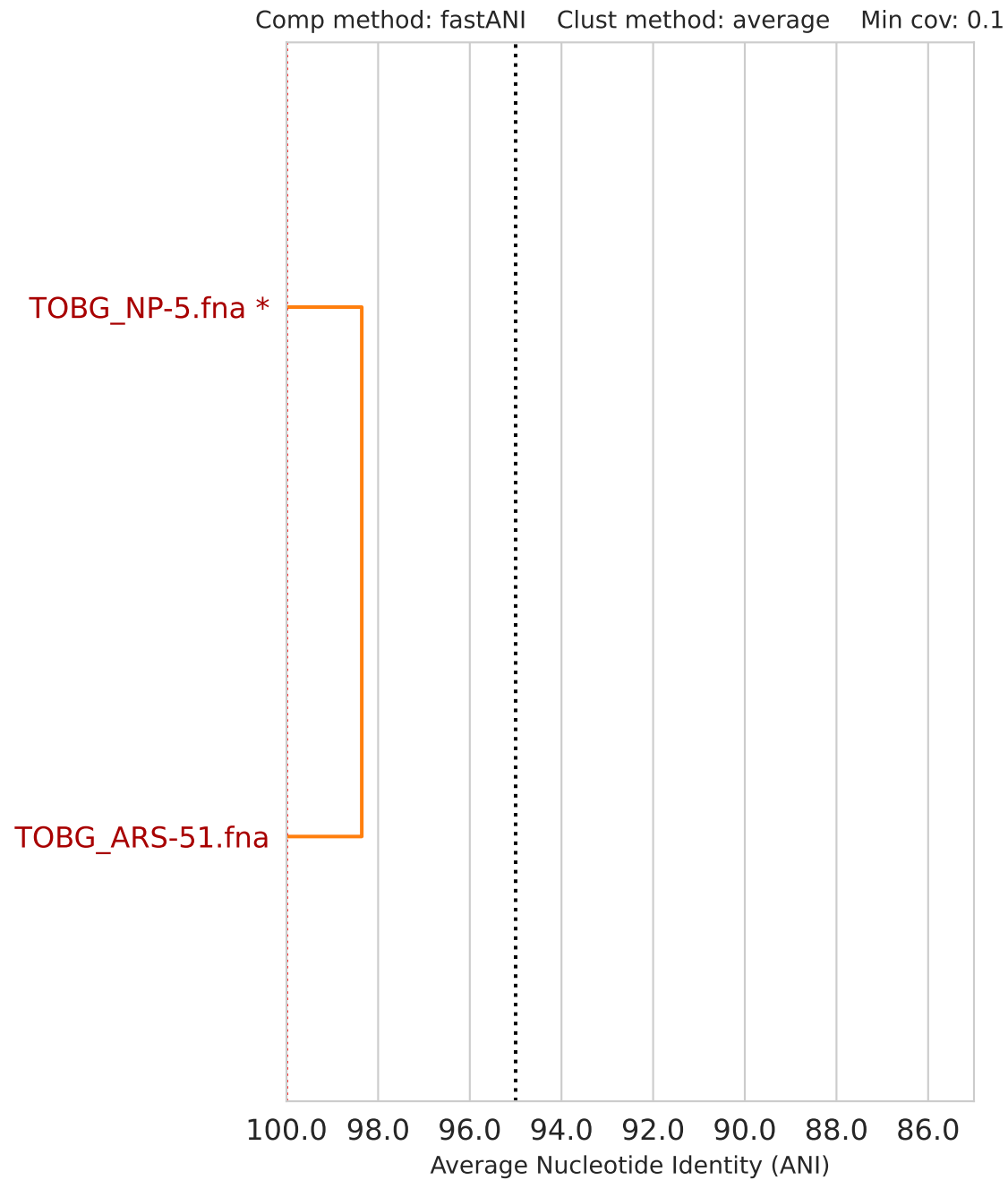
Average Nucleotide Identity (ANI)



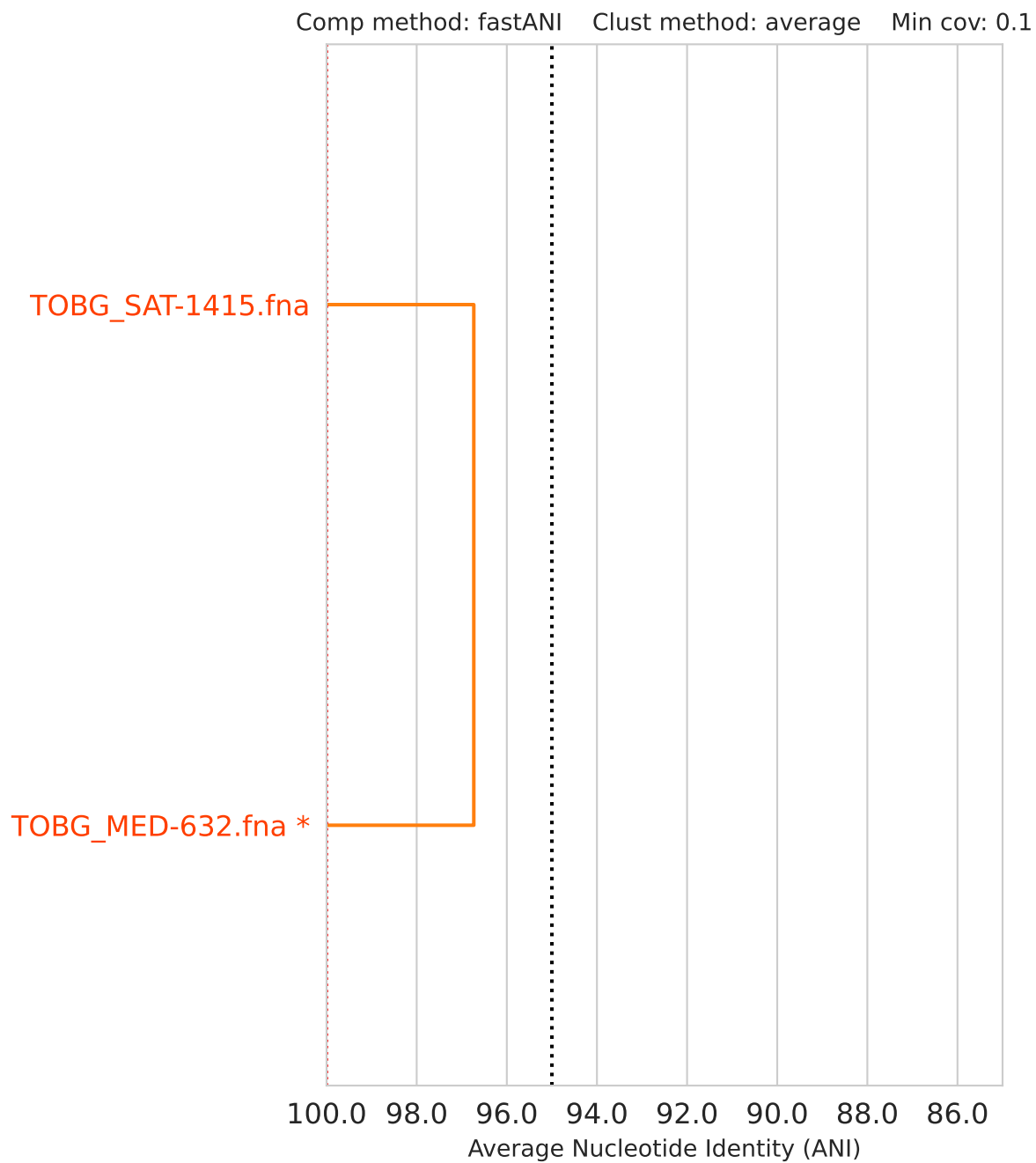
Primary cluster 11



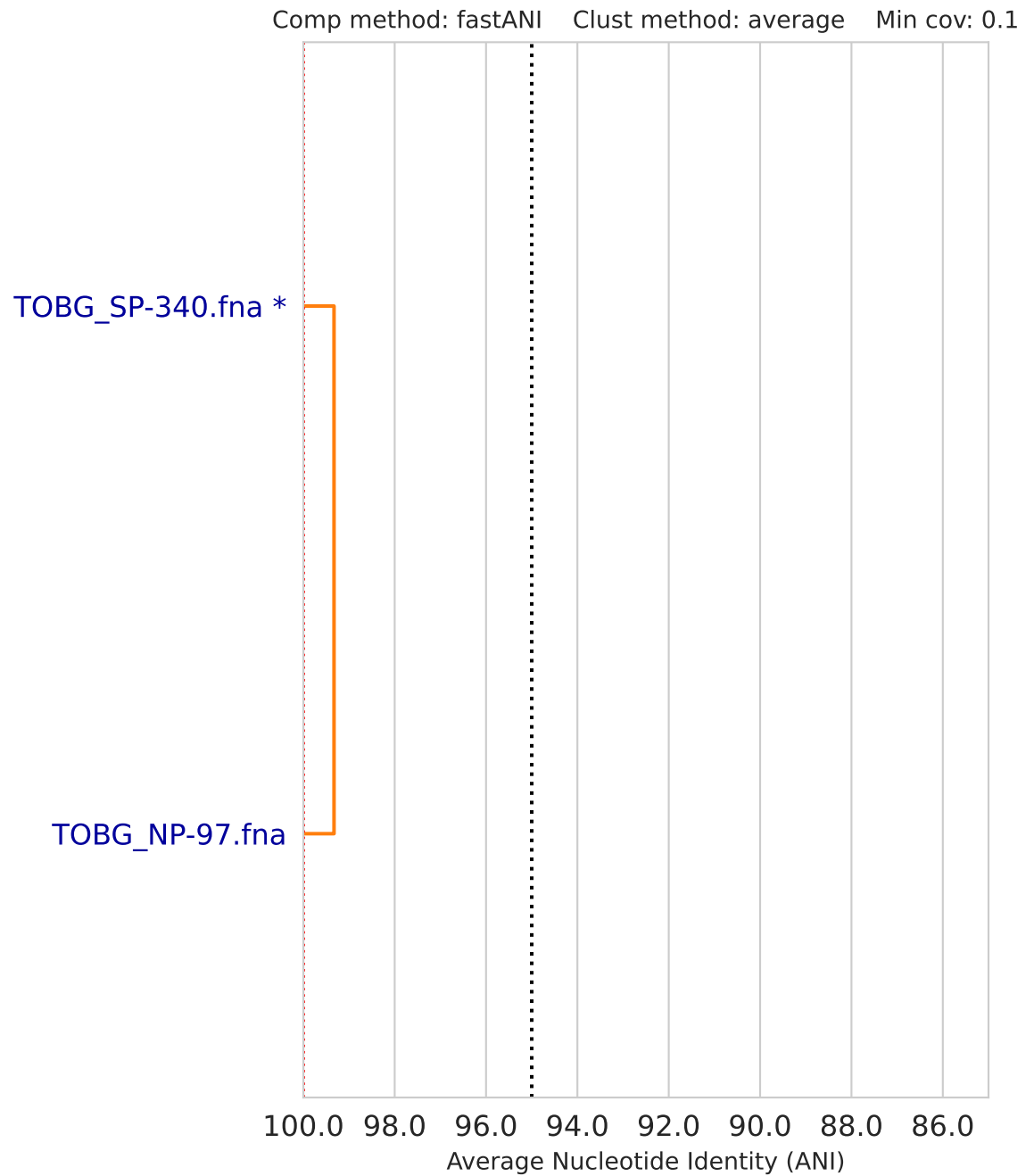
Primary cluster 13



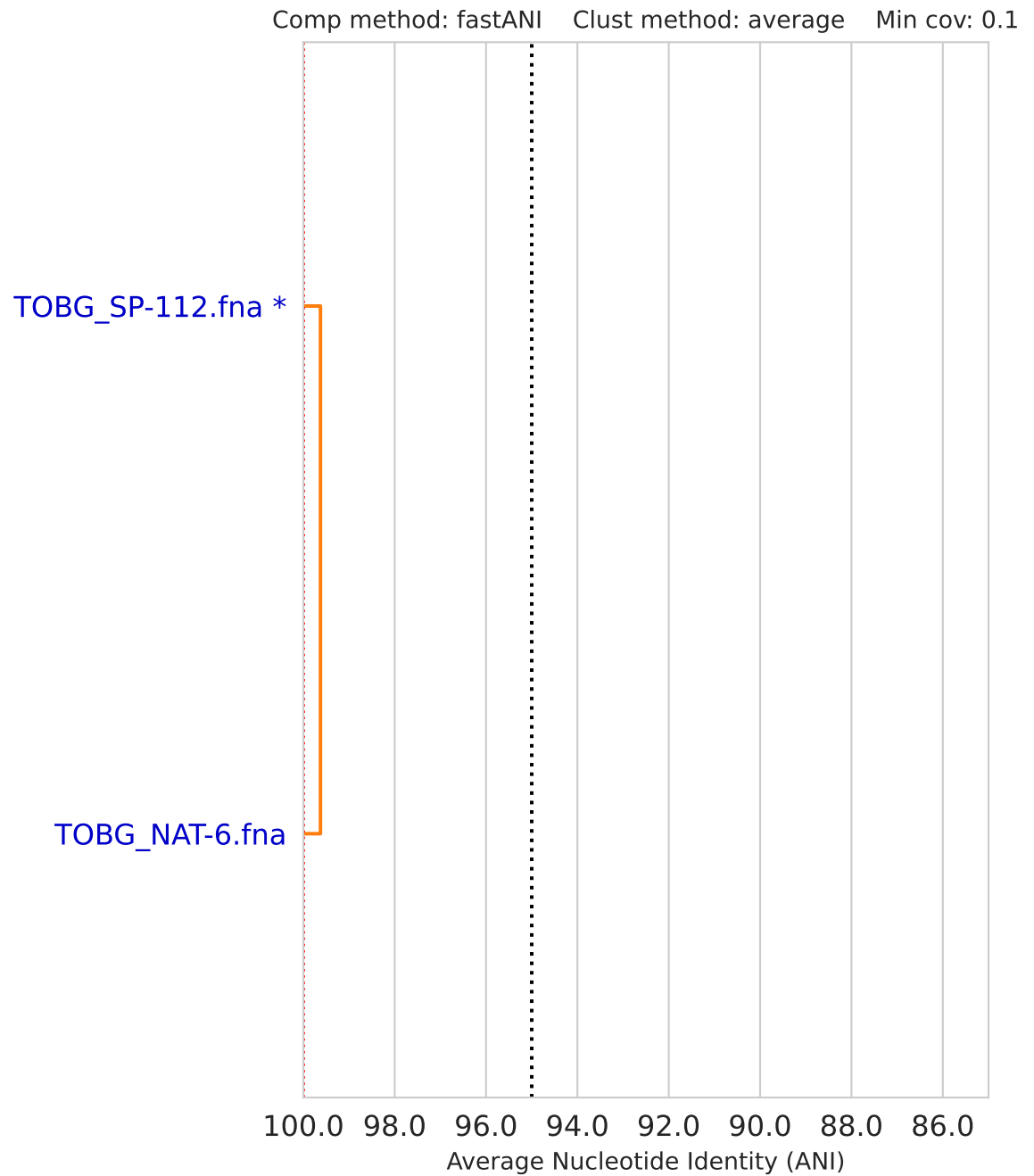
Primary cluster 22



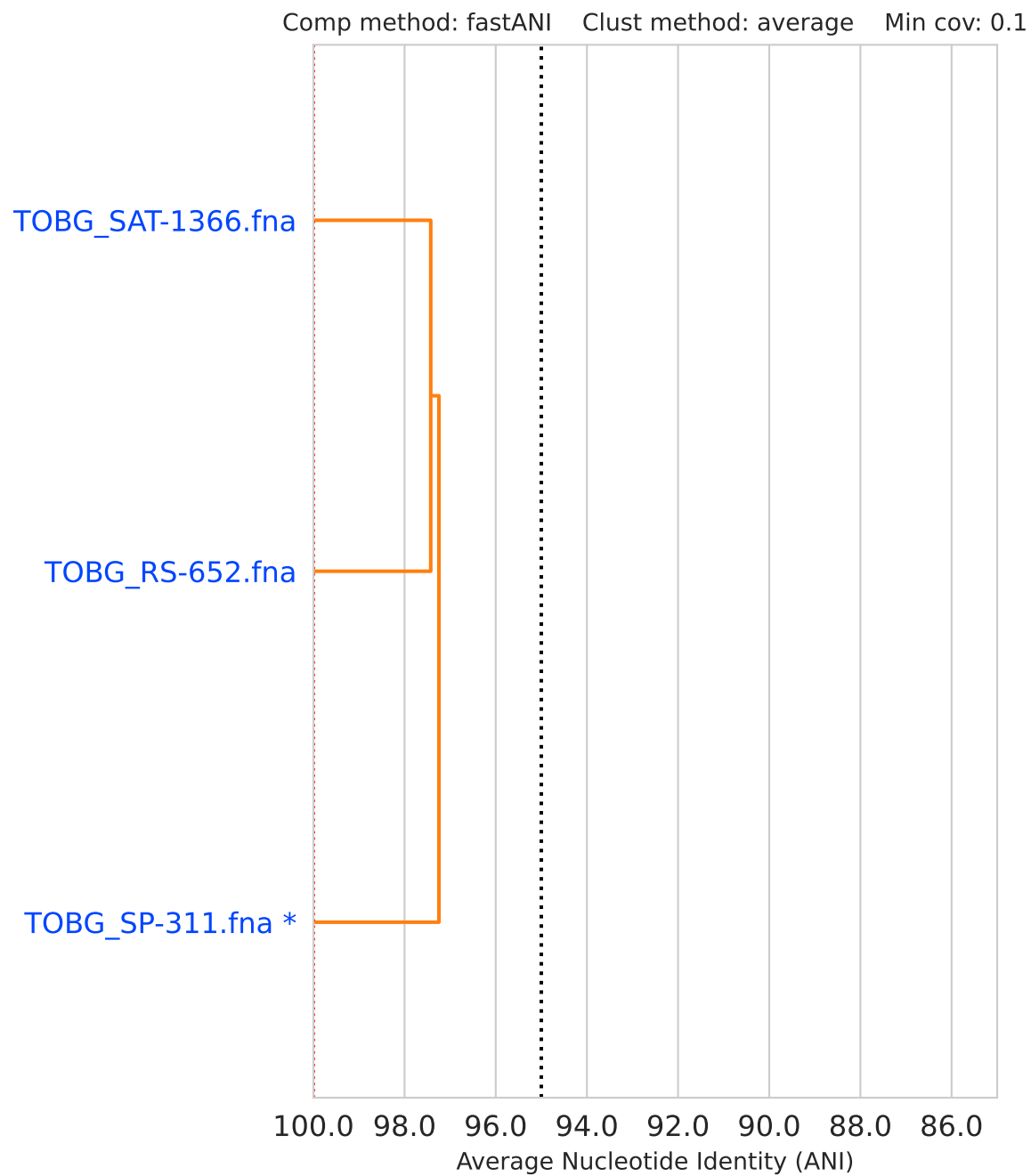
Primary cluster 29



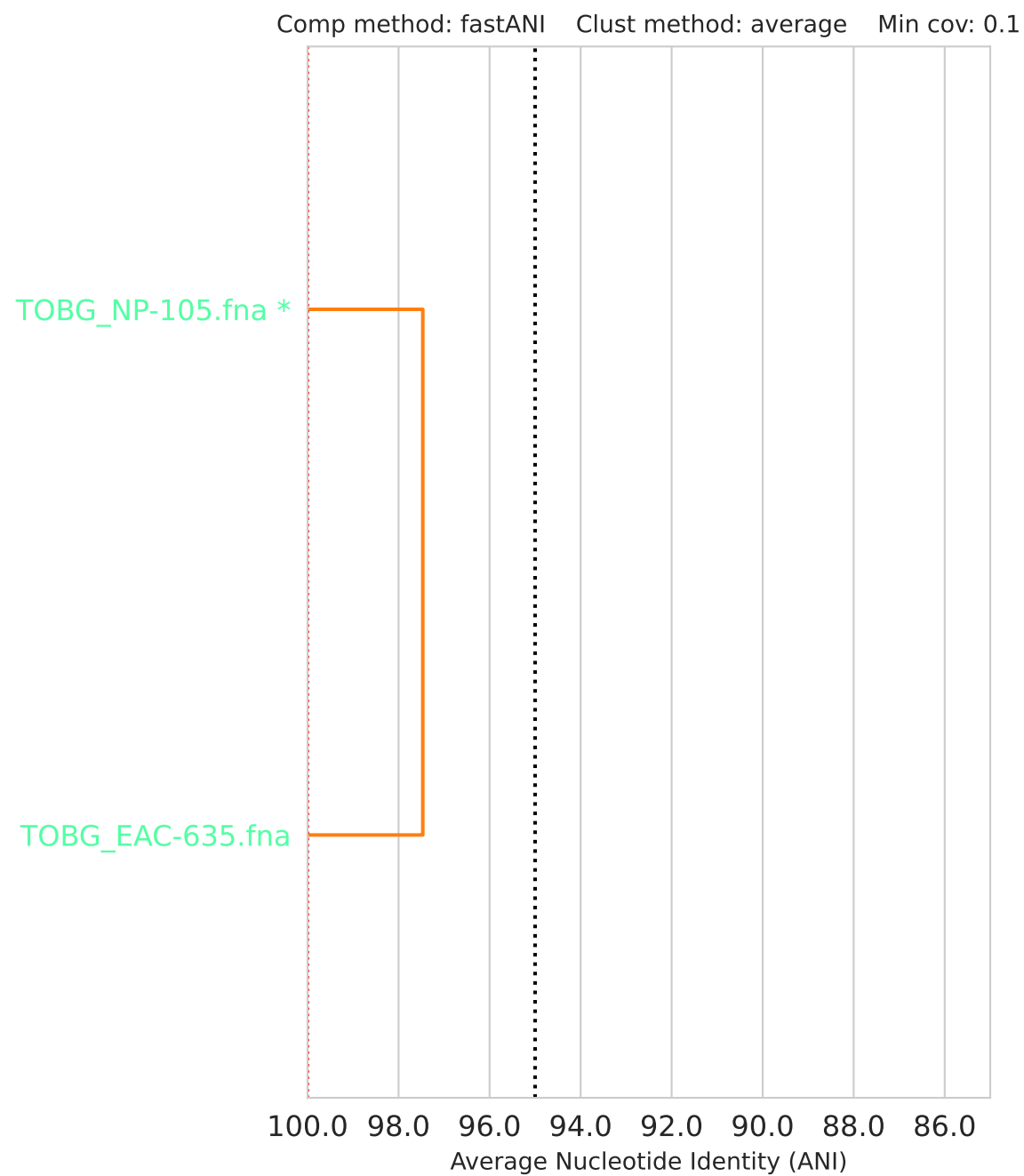
Primary cluster 53



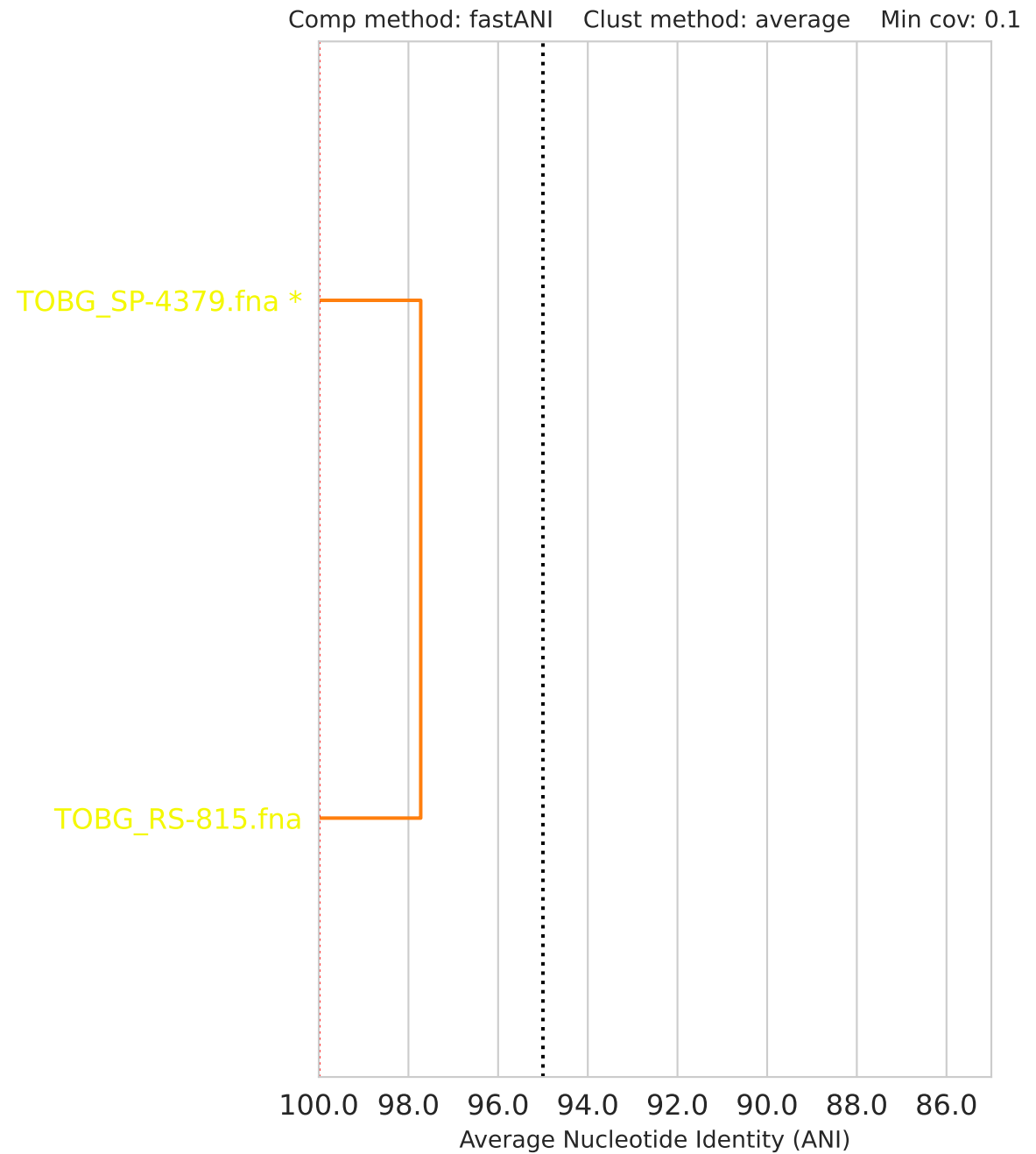
Primary cluster 57



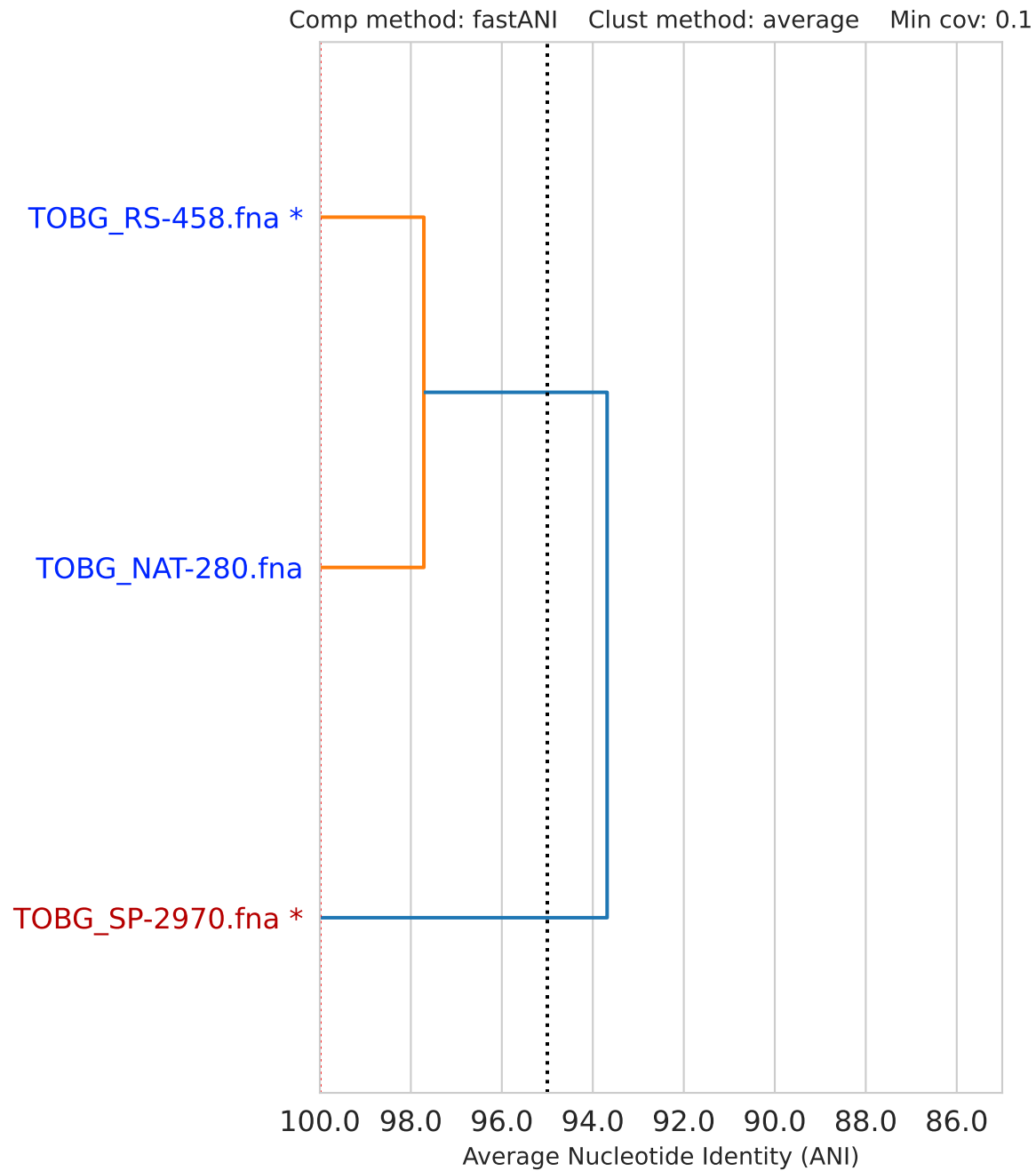
Primary cluster 58



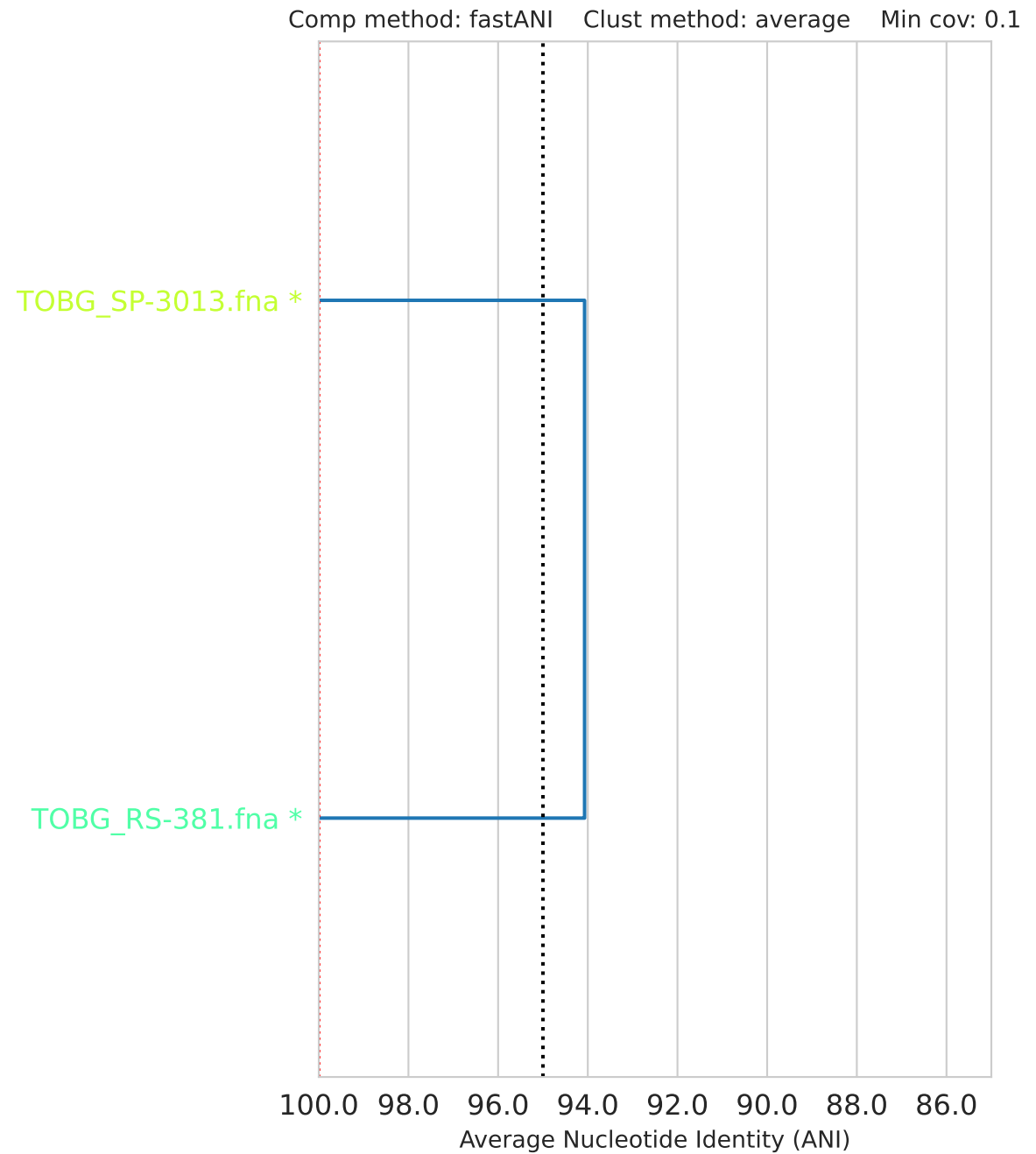
Primary cluster 61



Primary cluster 63



Primary cluster 65



Primary cluster 82

Comp method: fastANI

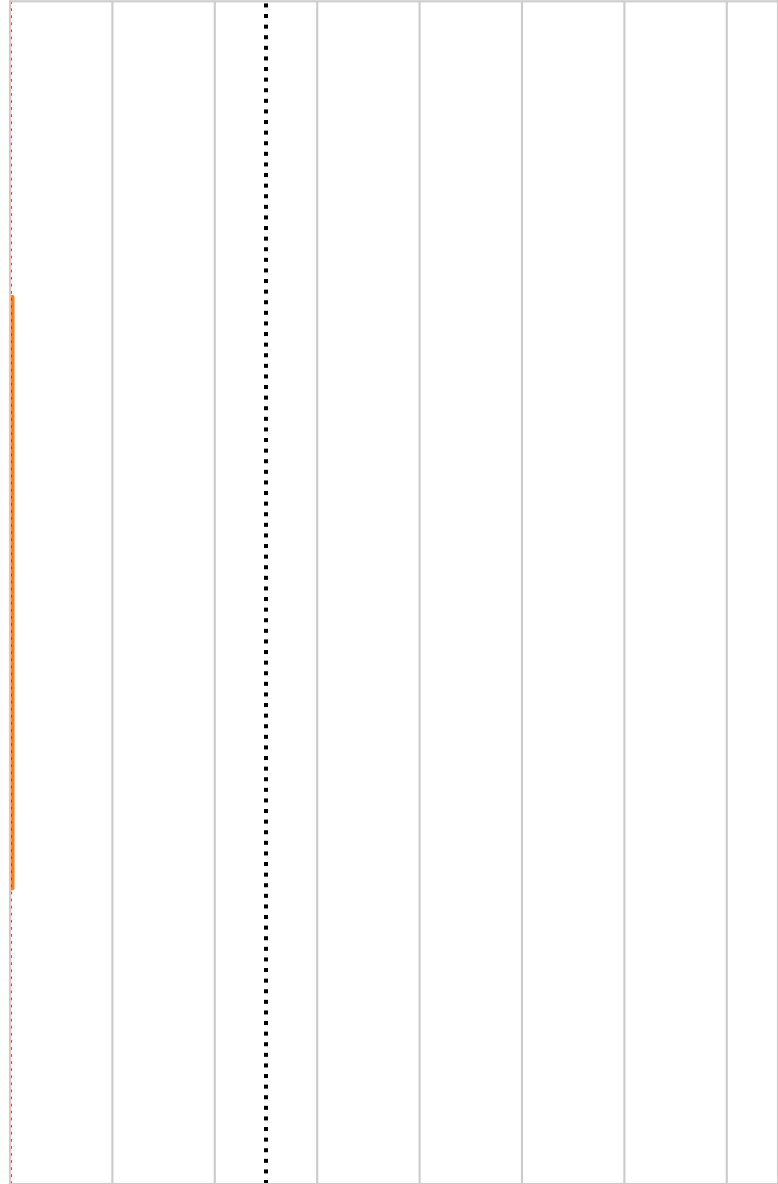
Clust method: average

Min cov: 0.1

TOBG_SP-244.fna

TOBG_NAT-129.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 86

Comp method: fastANI

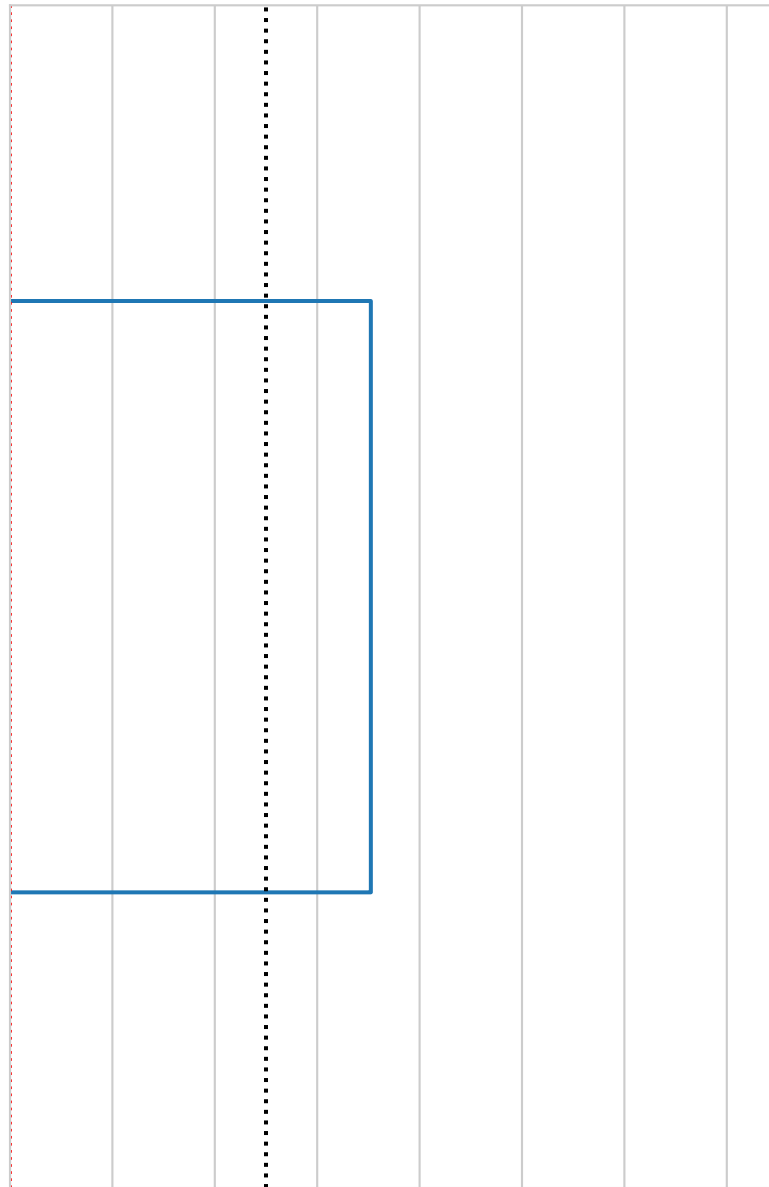
Clust method: average

Min cov: 0.1

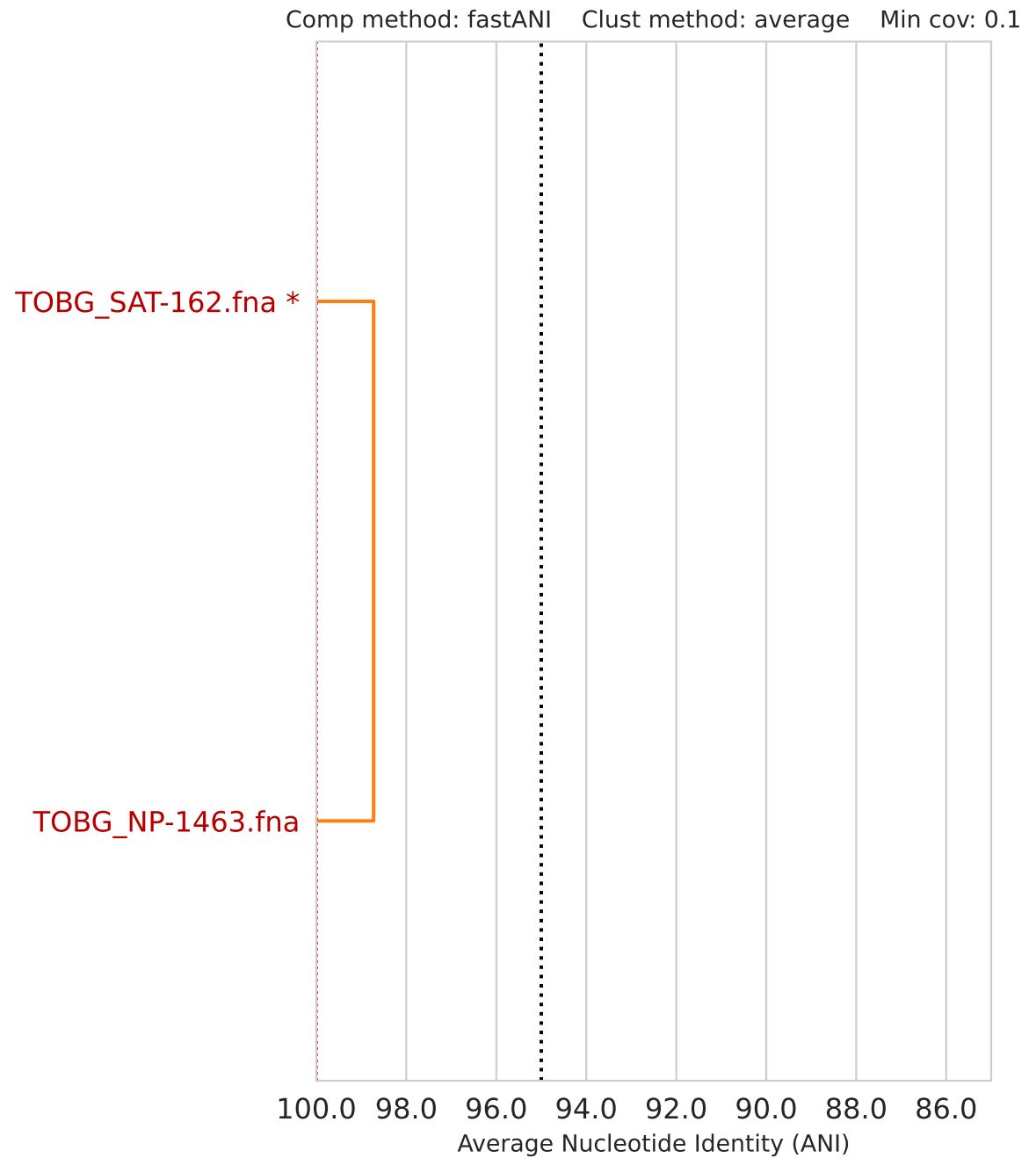
TOBG_SAT-126.fna *

TOBG_RS-386.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



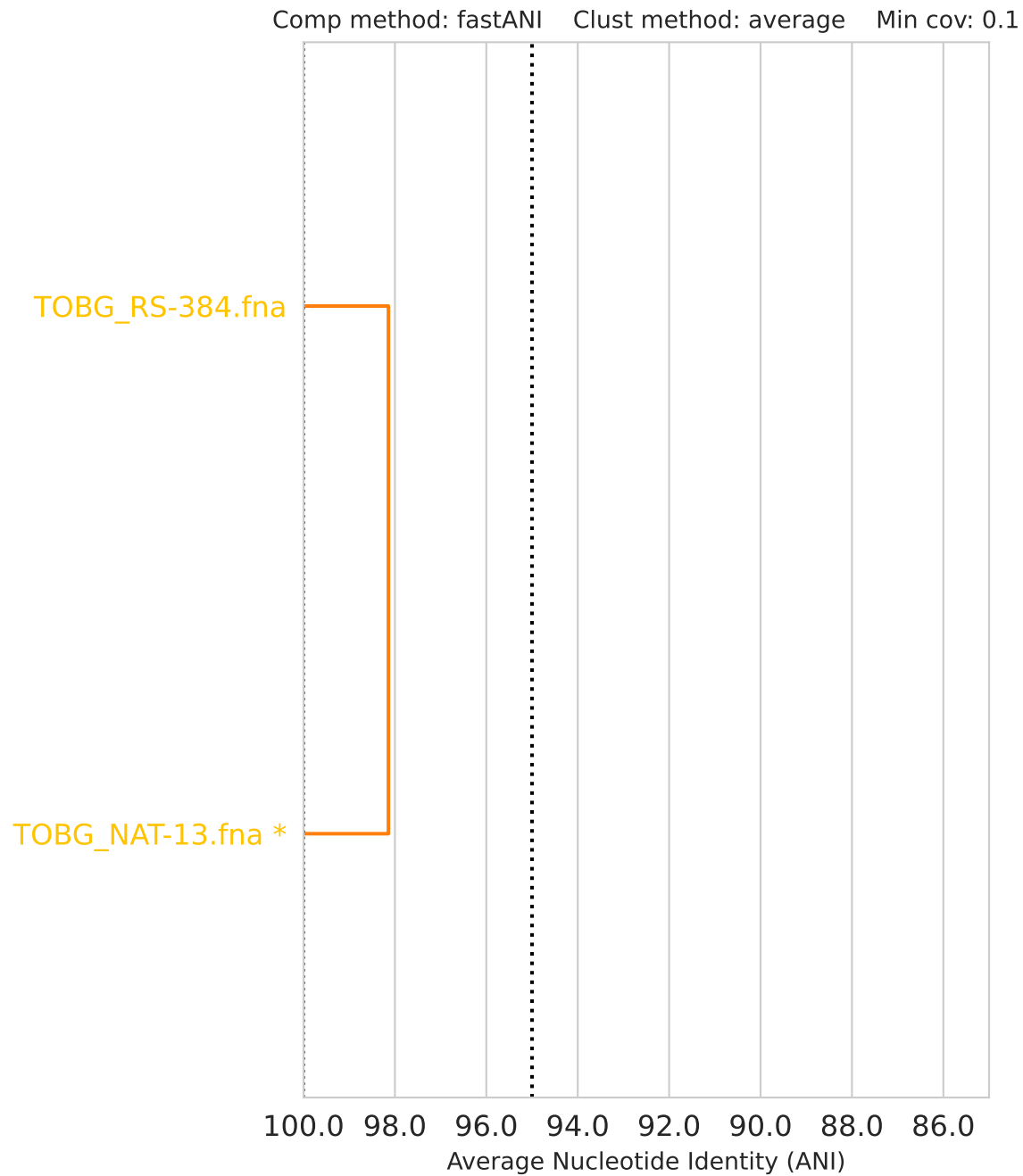
Primary cluster 90



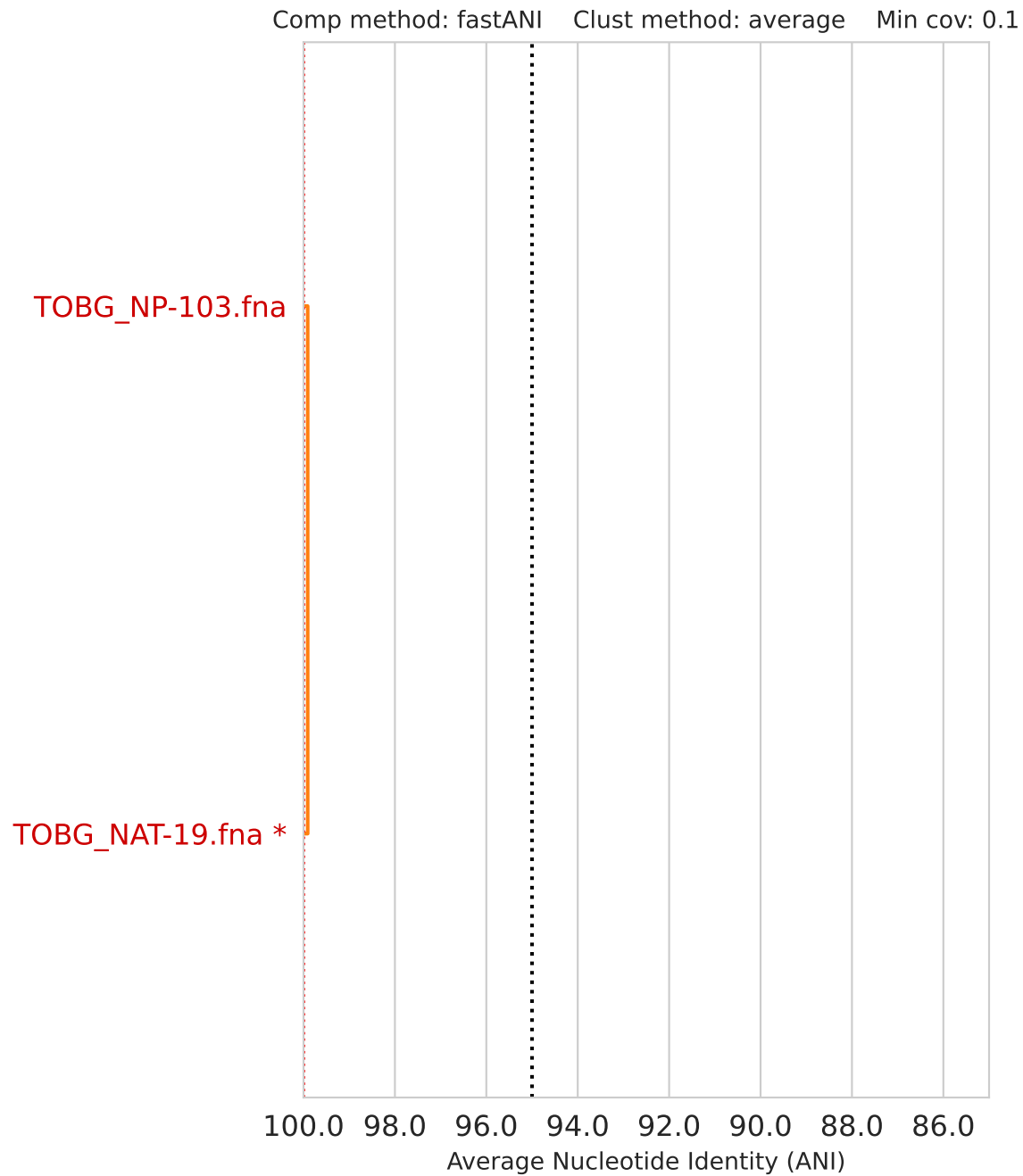
Primary cluster 101



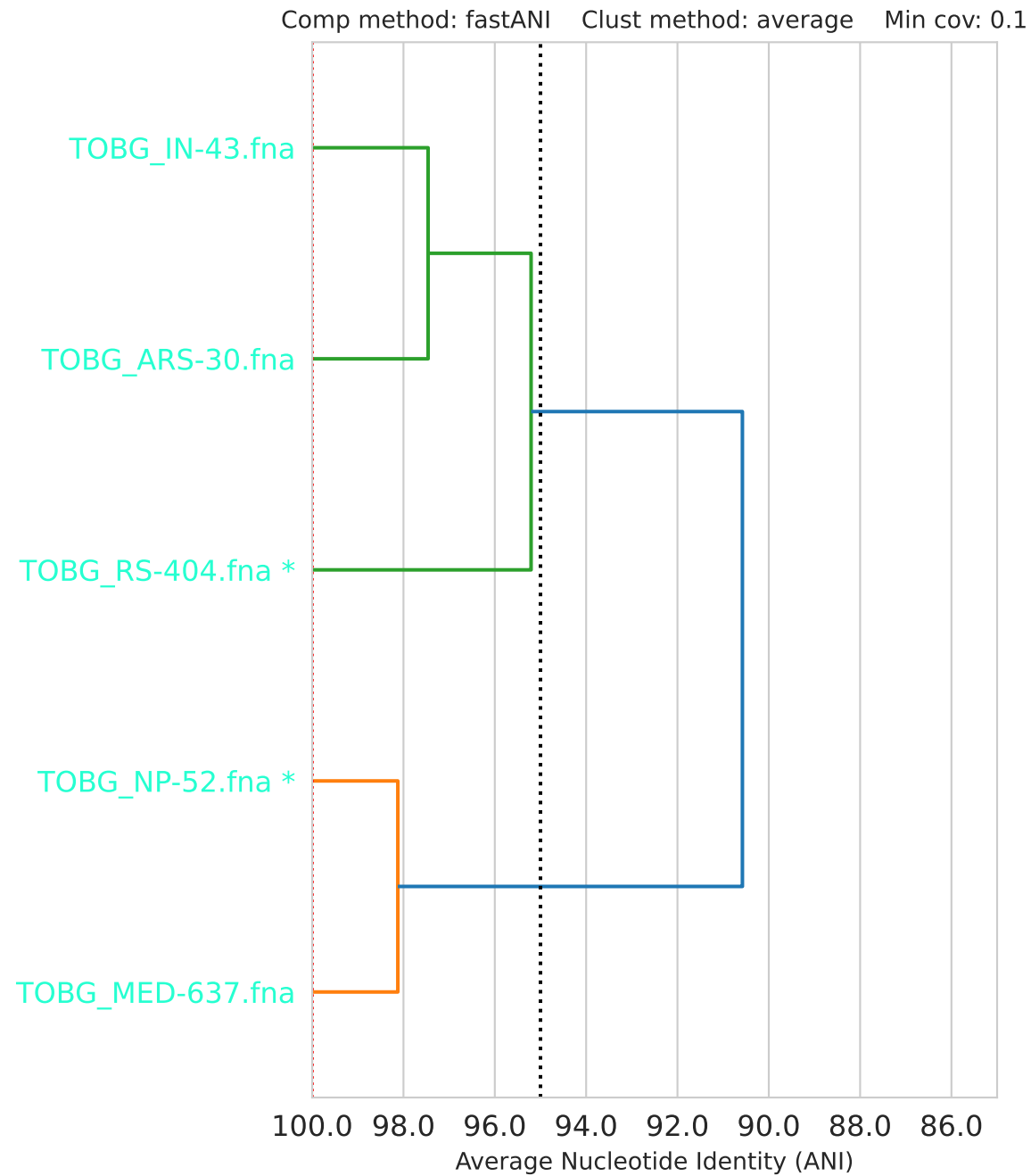
Primary cluster 117



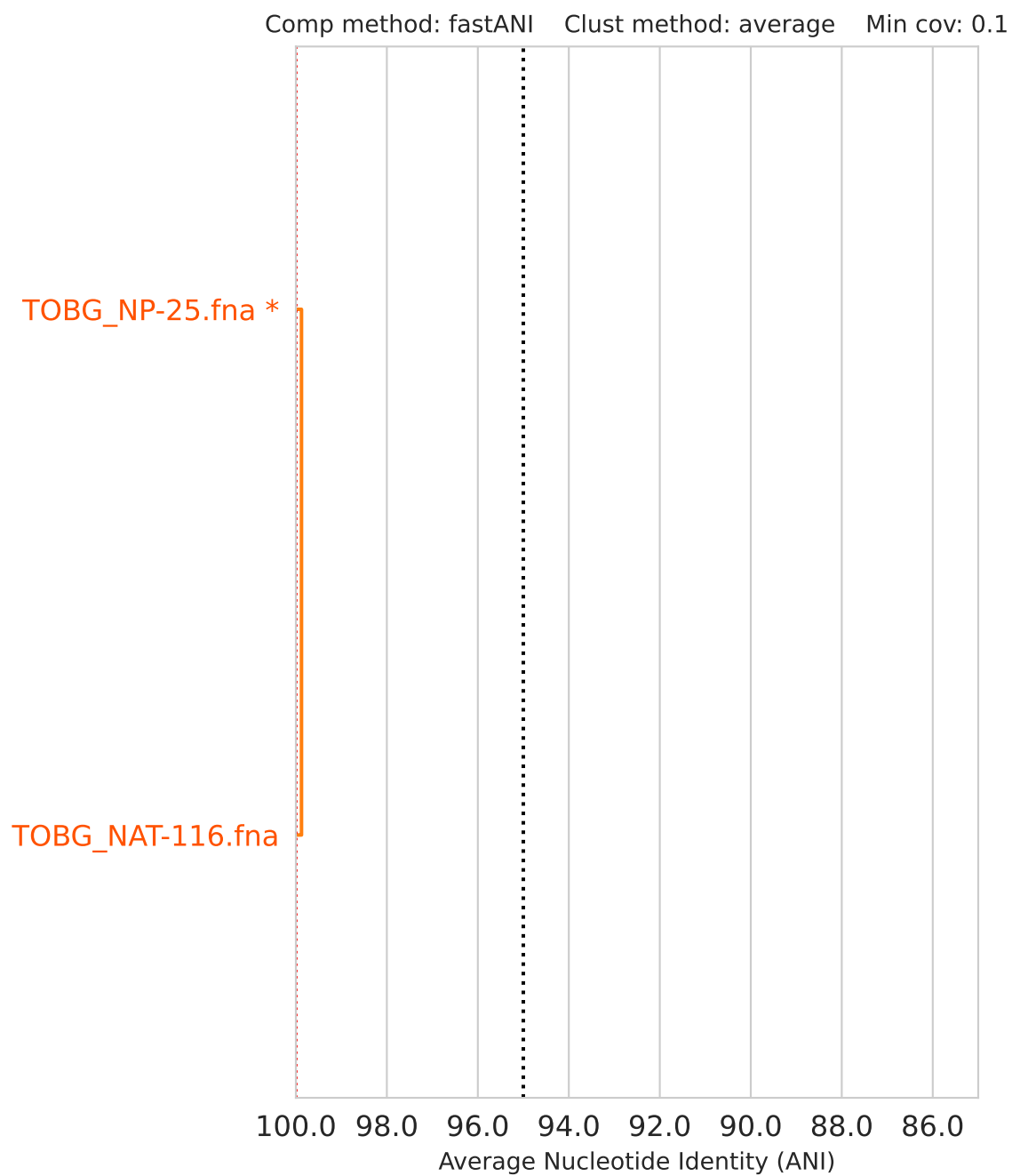
Primary cluster 119



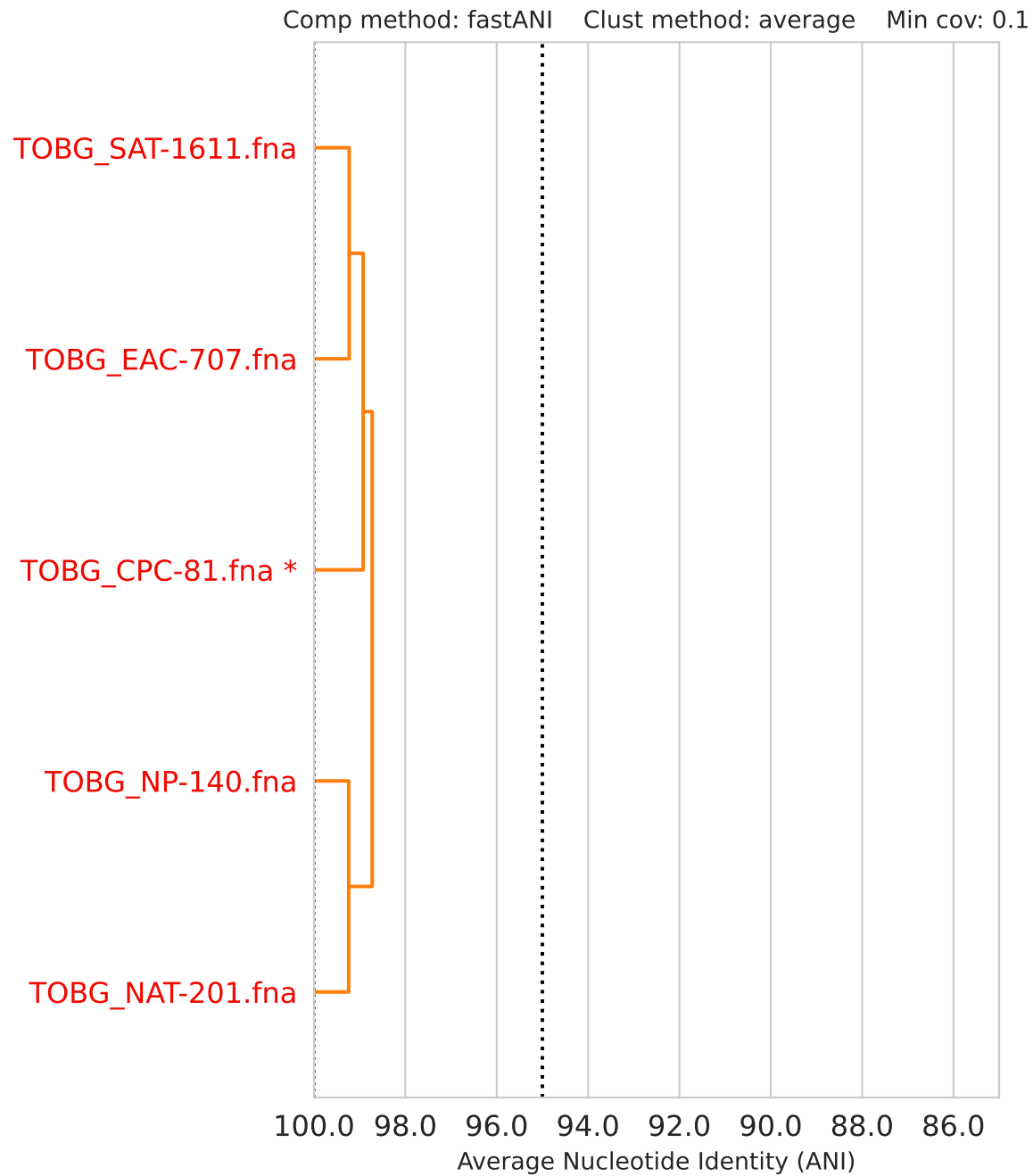
Primary cluster 138



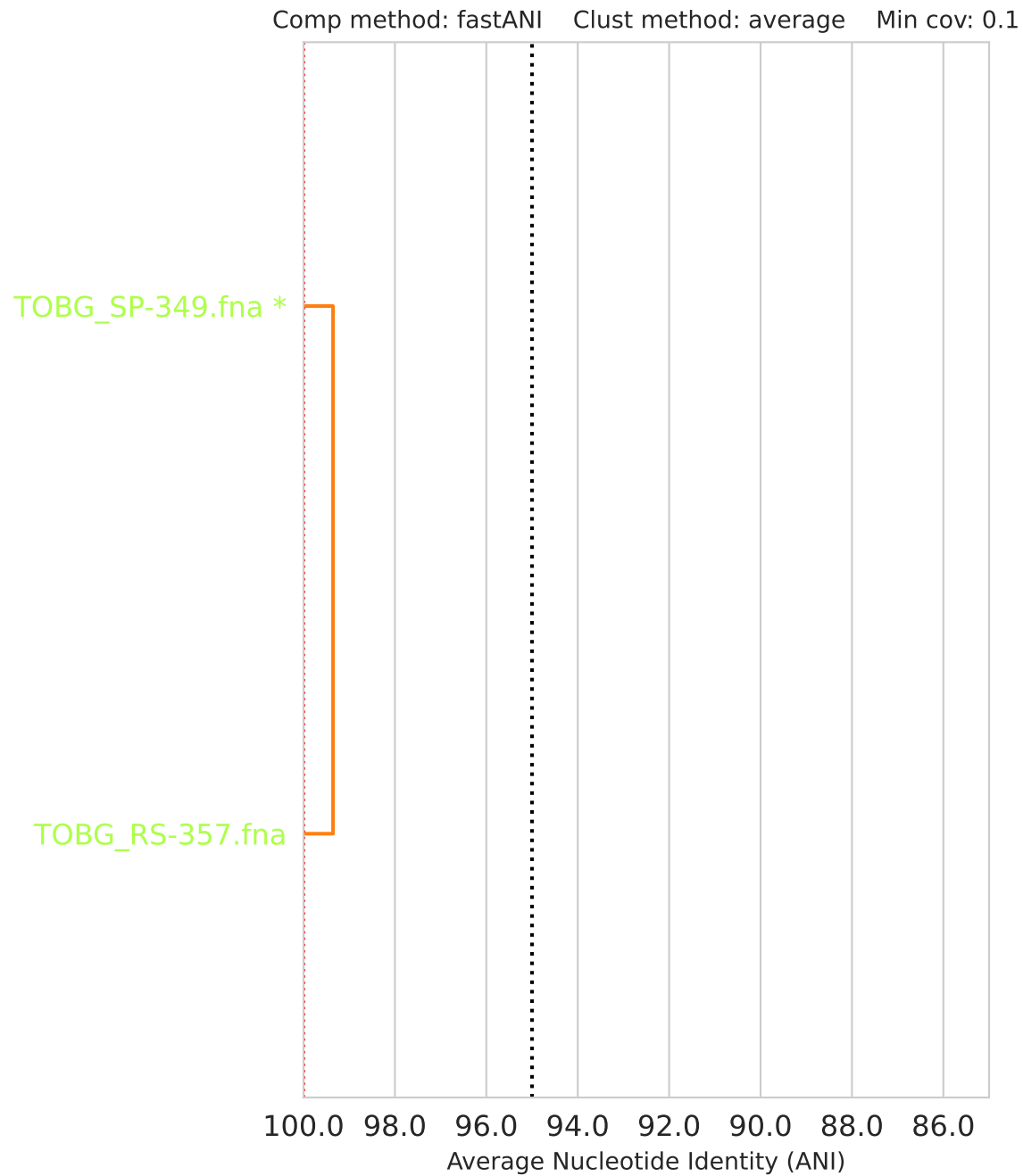
Primary cluster 139



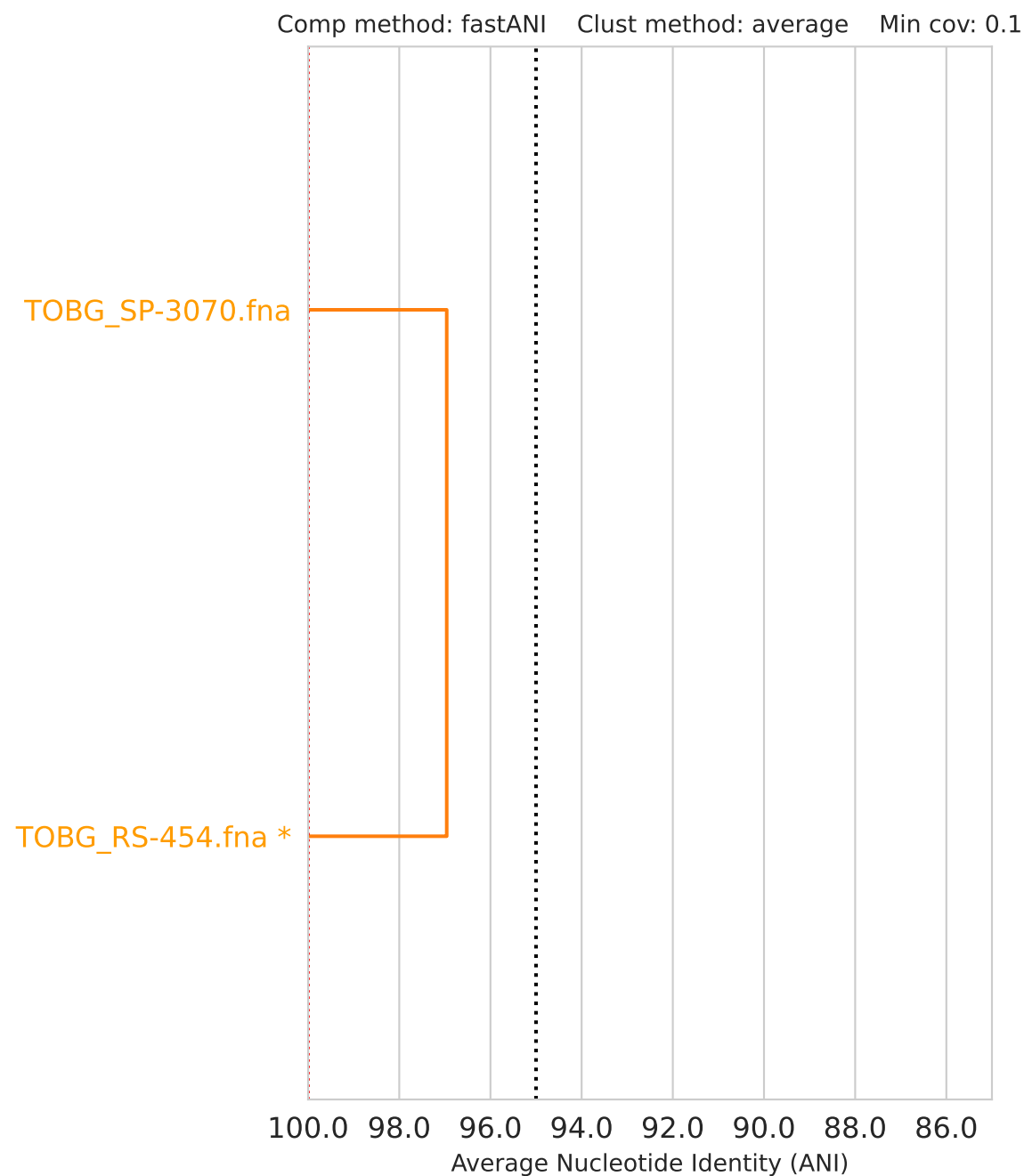
Primary cluster 142



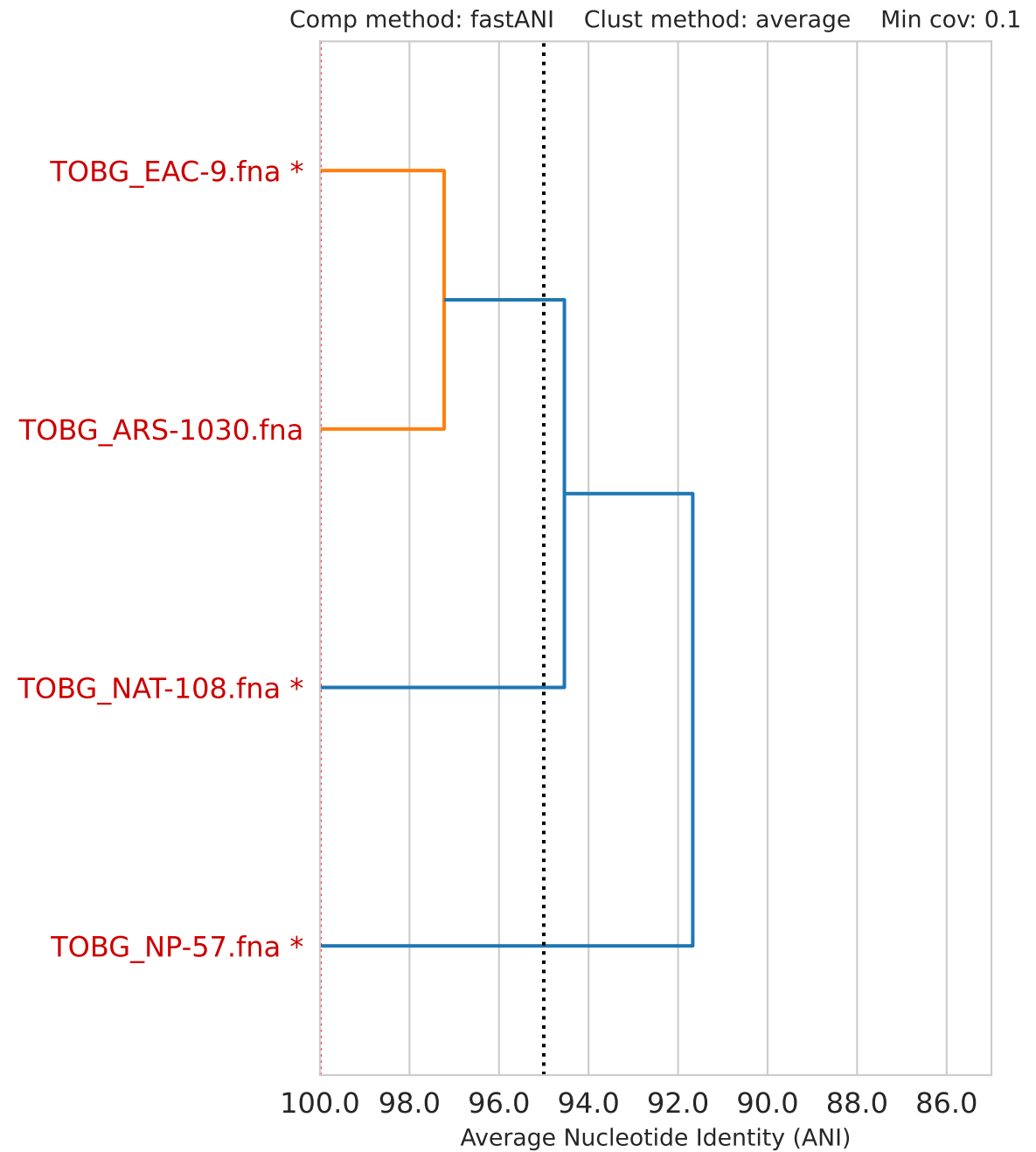
Primary cluster 146



Primary cluster 147



Primary cluster 154



Primary cluster 155

Comp method: fastANI

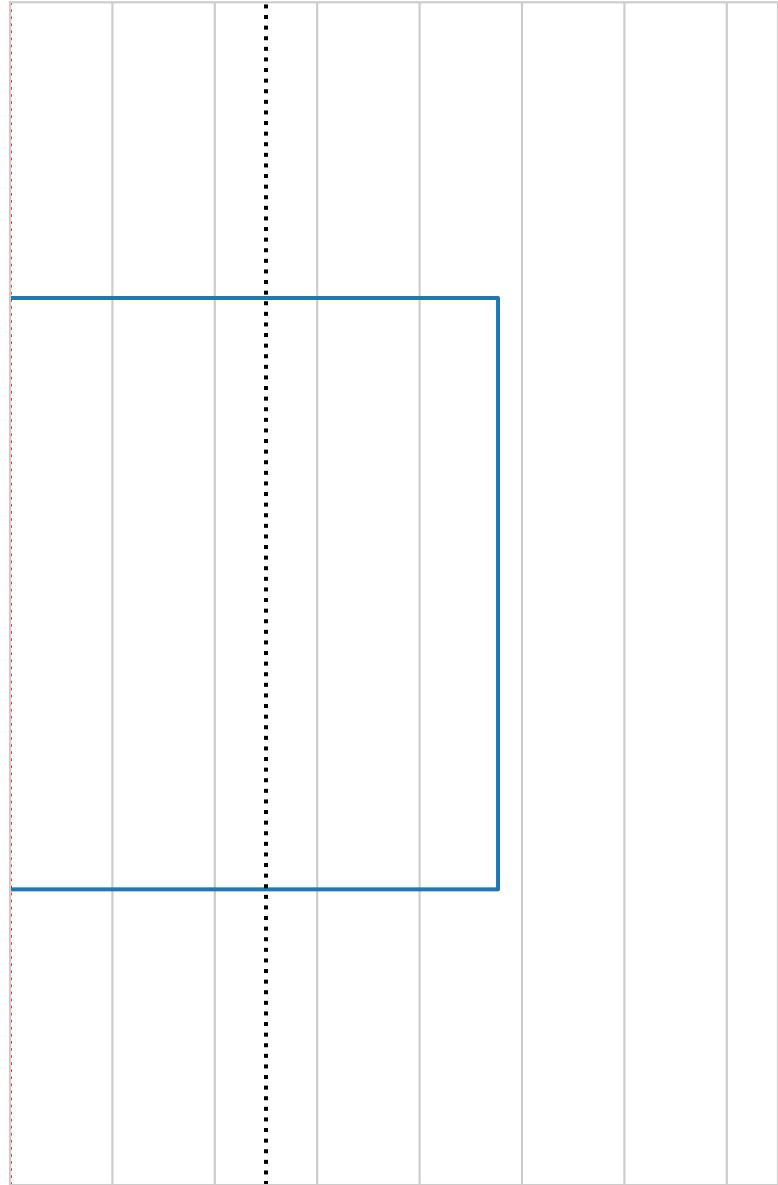
Clust method: average

Min cov: 0.1

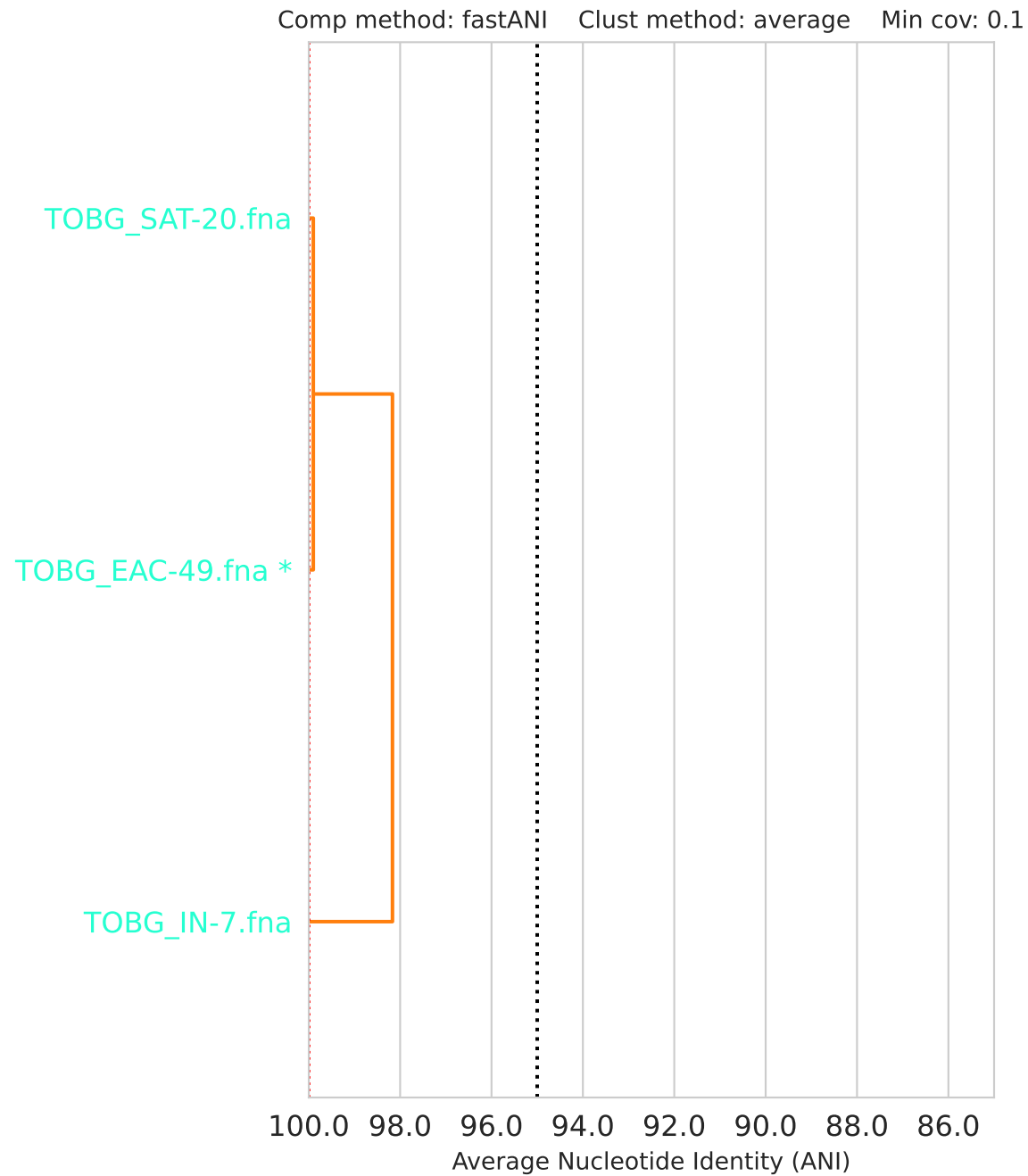
TOBG_NP-133.fna *

TOBG_ARS-17.fna *

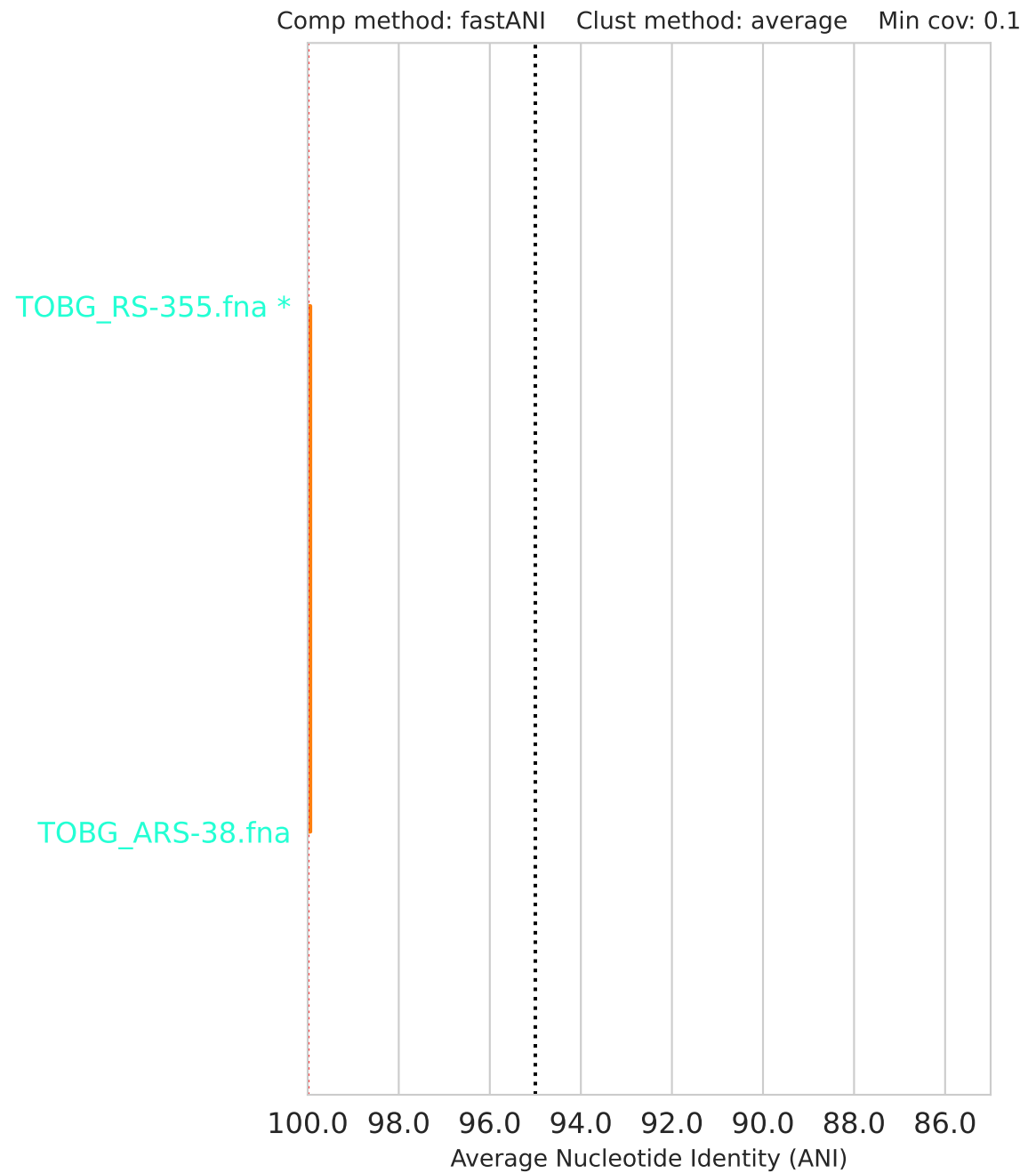
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



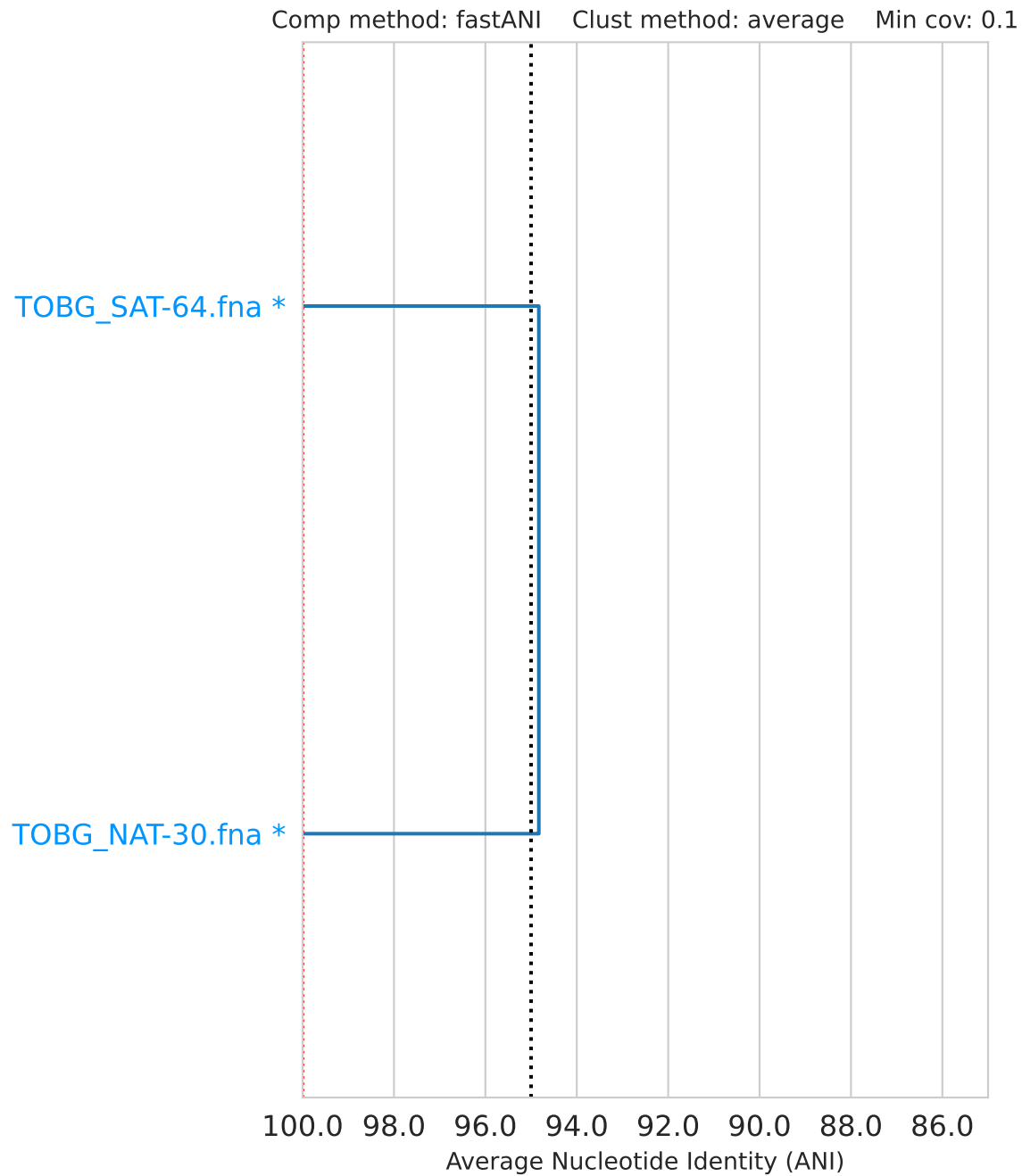
Primary cluster 171



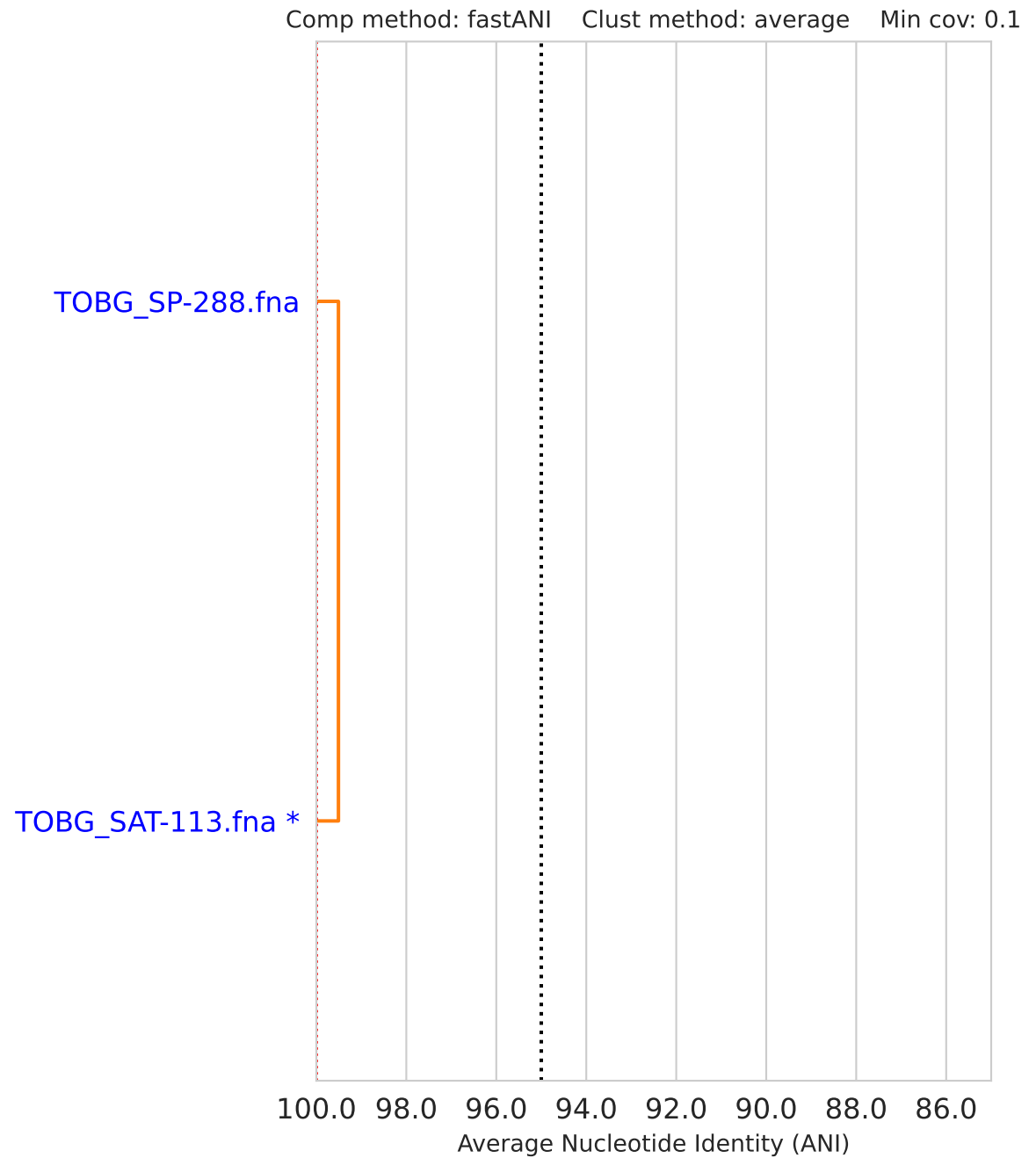
Primary cluster 180



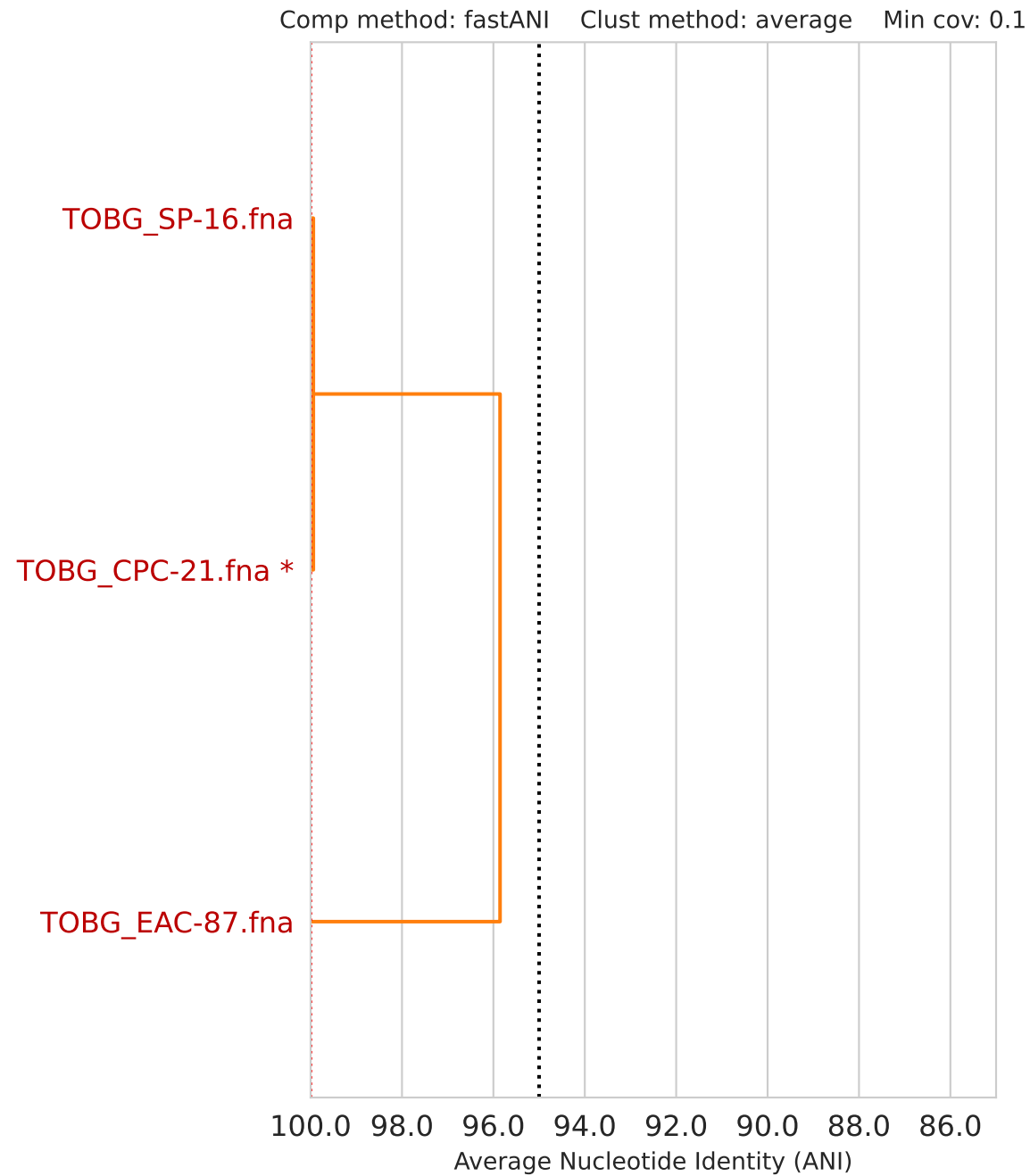
Primary cluster 181



Primary cluster 182



Primary cluster 185

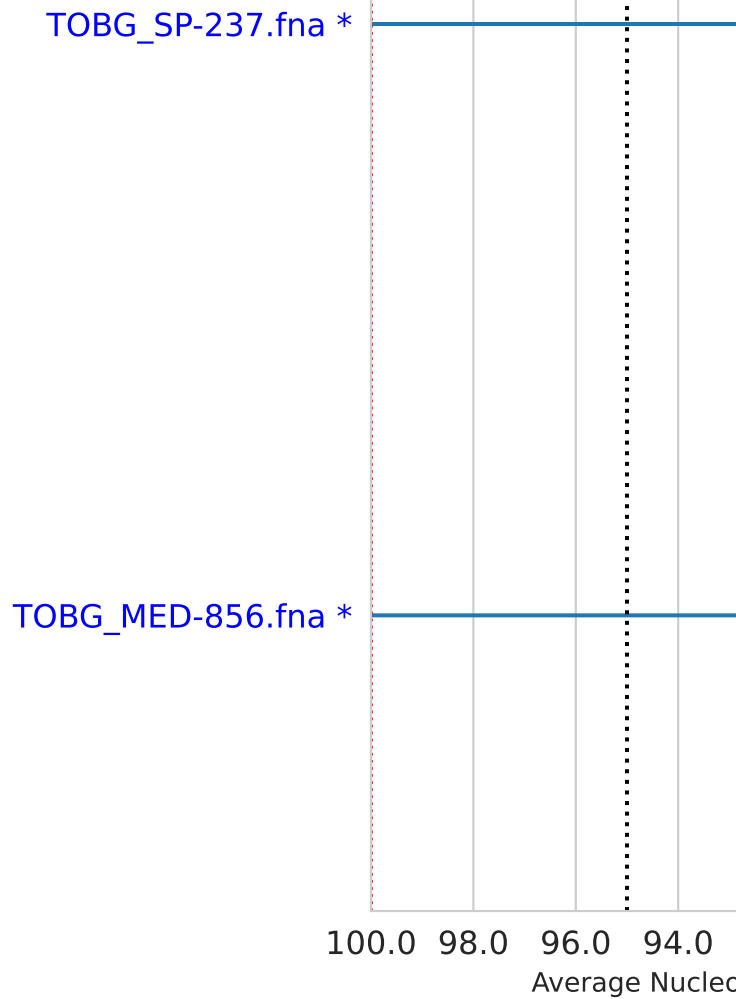


Primary cluster 187

Comp method: fastANI

Clust method: average

Min cov: 0.1



Primary cluster 188

Comp method: fastANI

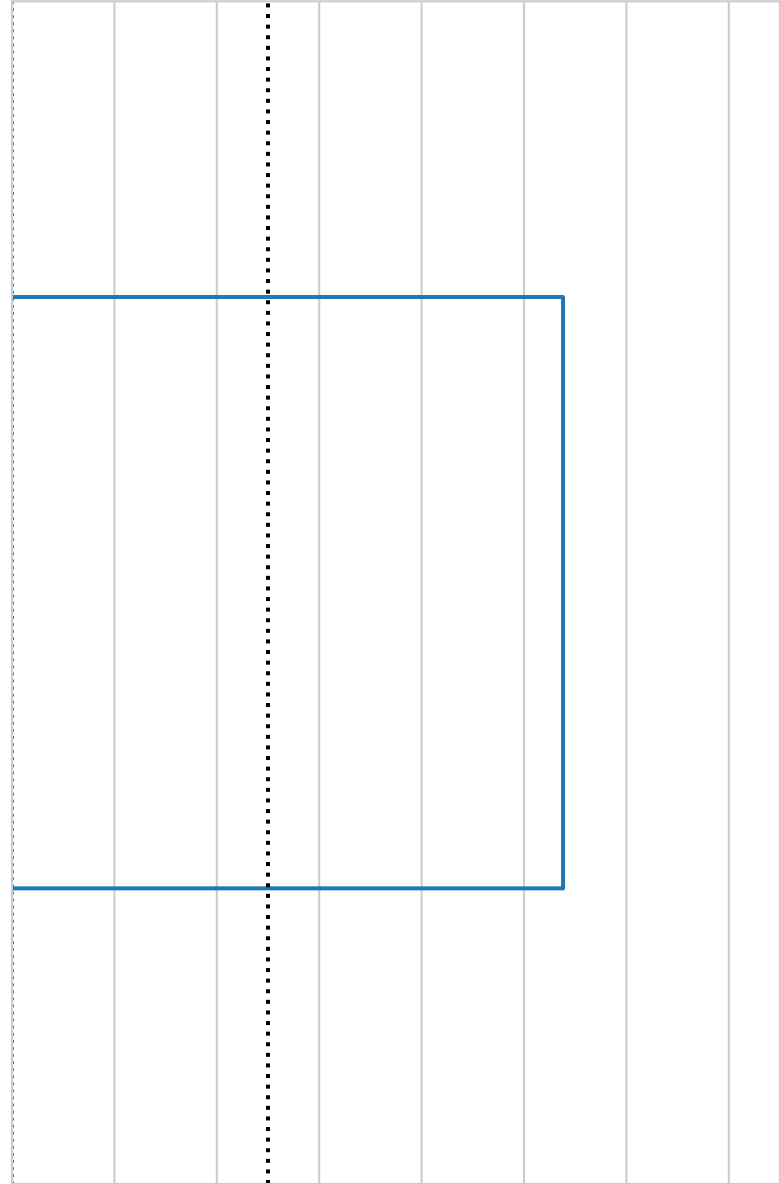
Clust method: average

Min cov: 0.1

TOBG_SP-3094.fna *

TOBG_NP-40.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)

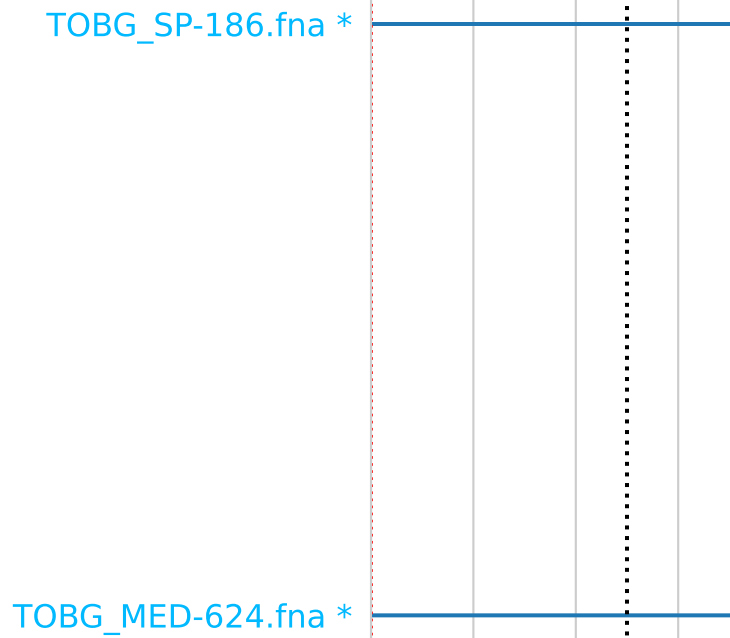


Primary cluster 201

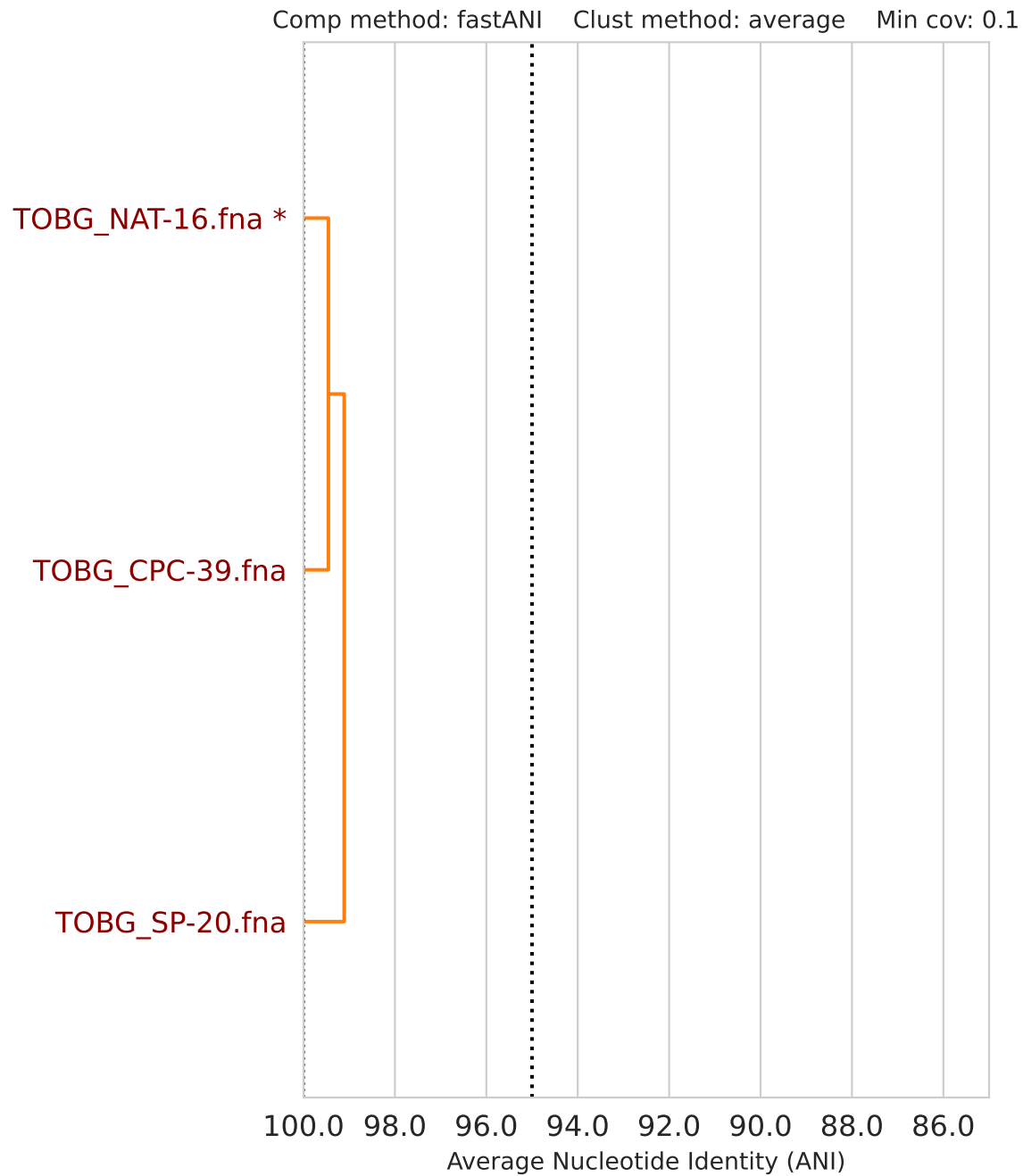
Comp method: fastANI

Clust method: average

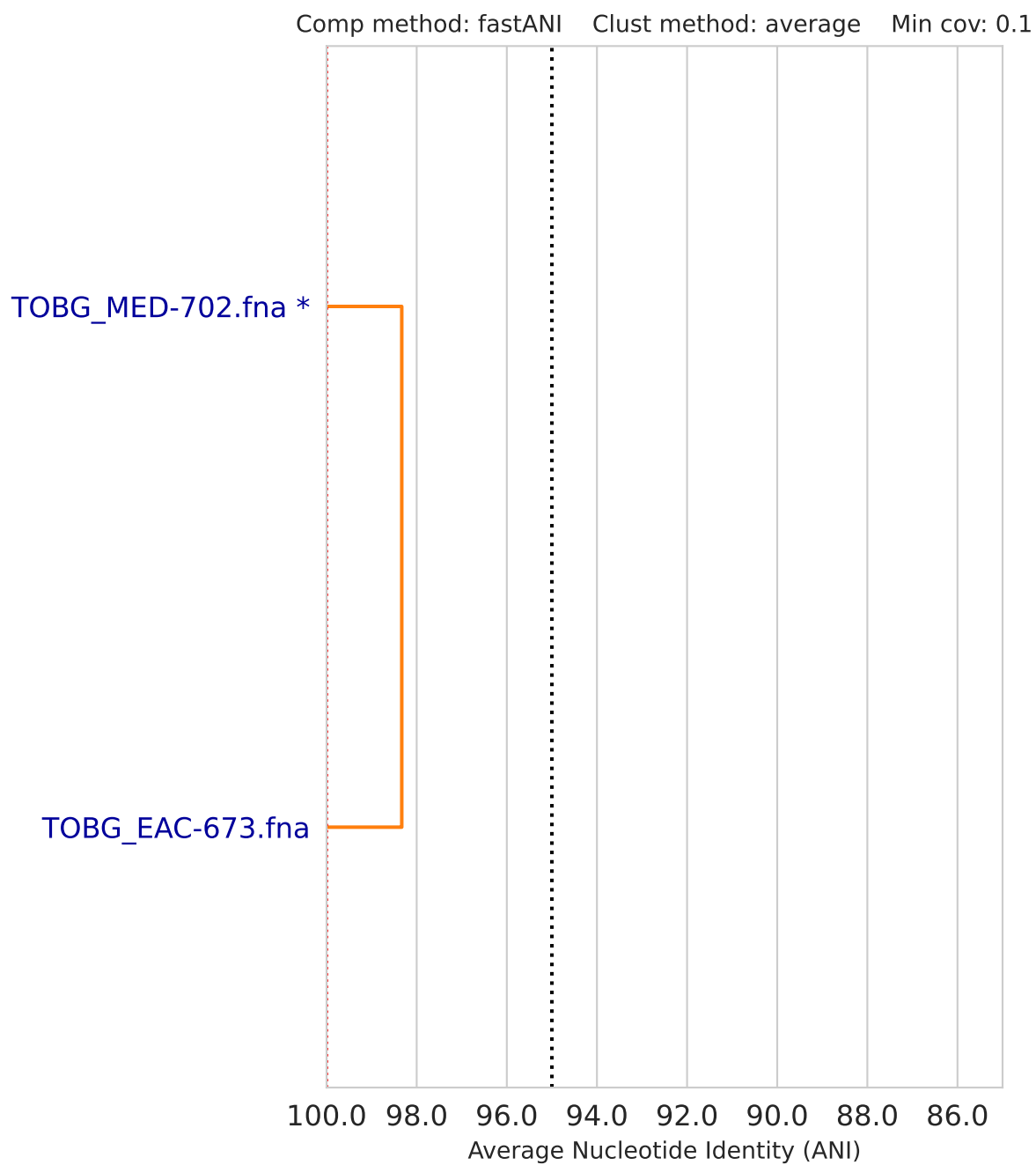
Min cov: 0.1



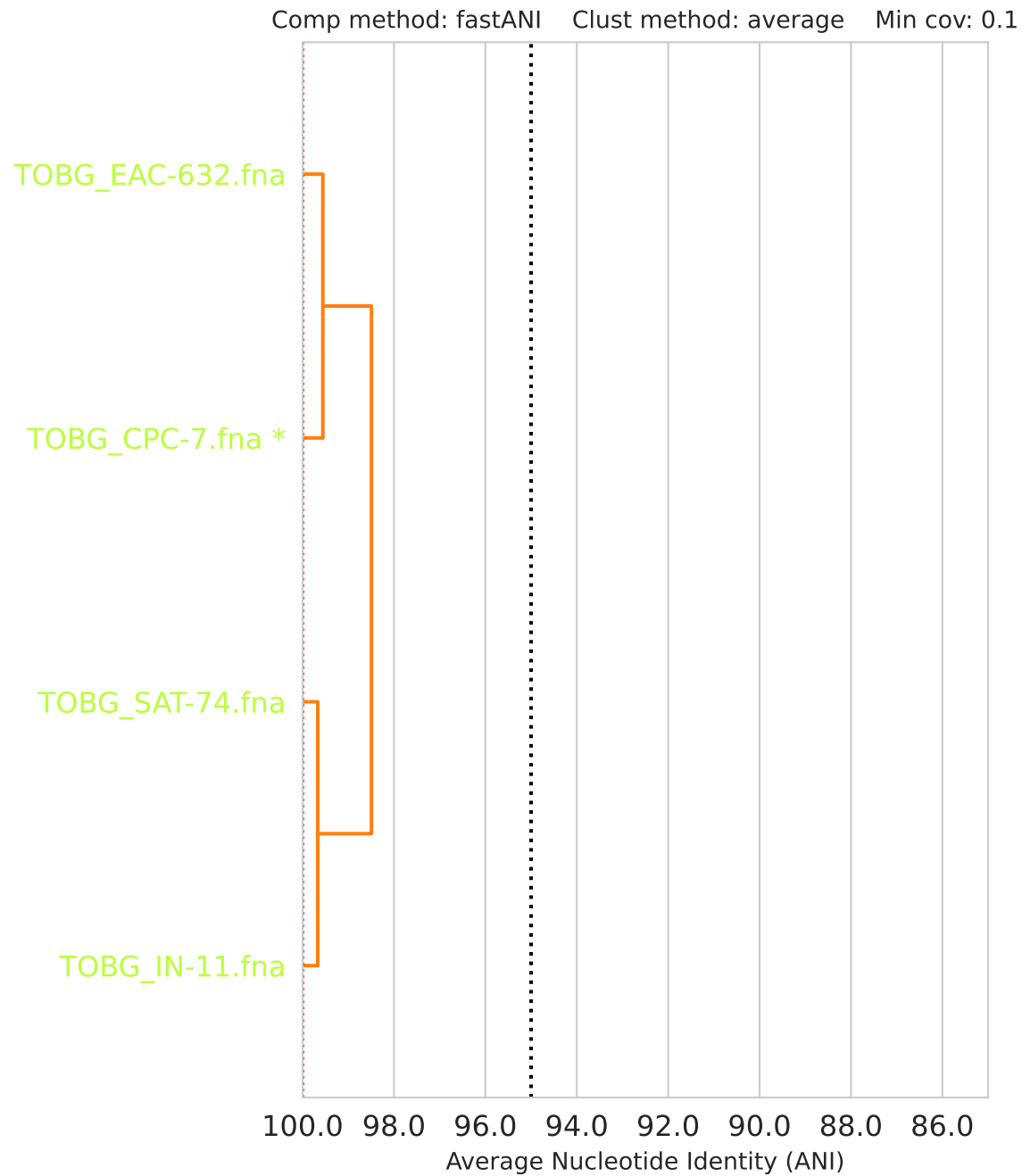
Primary cluster 205



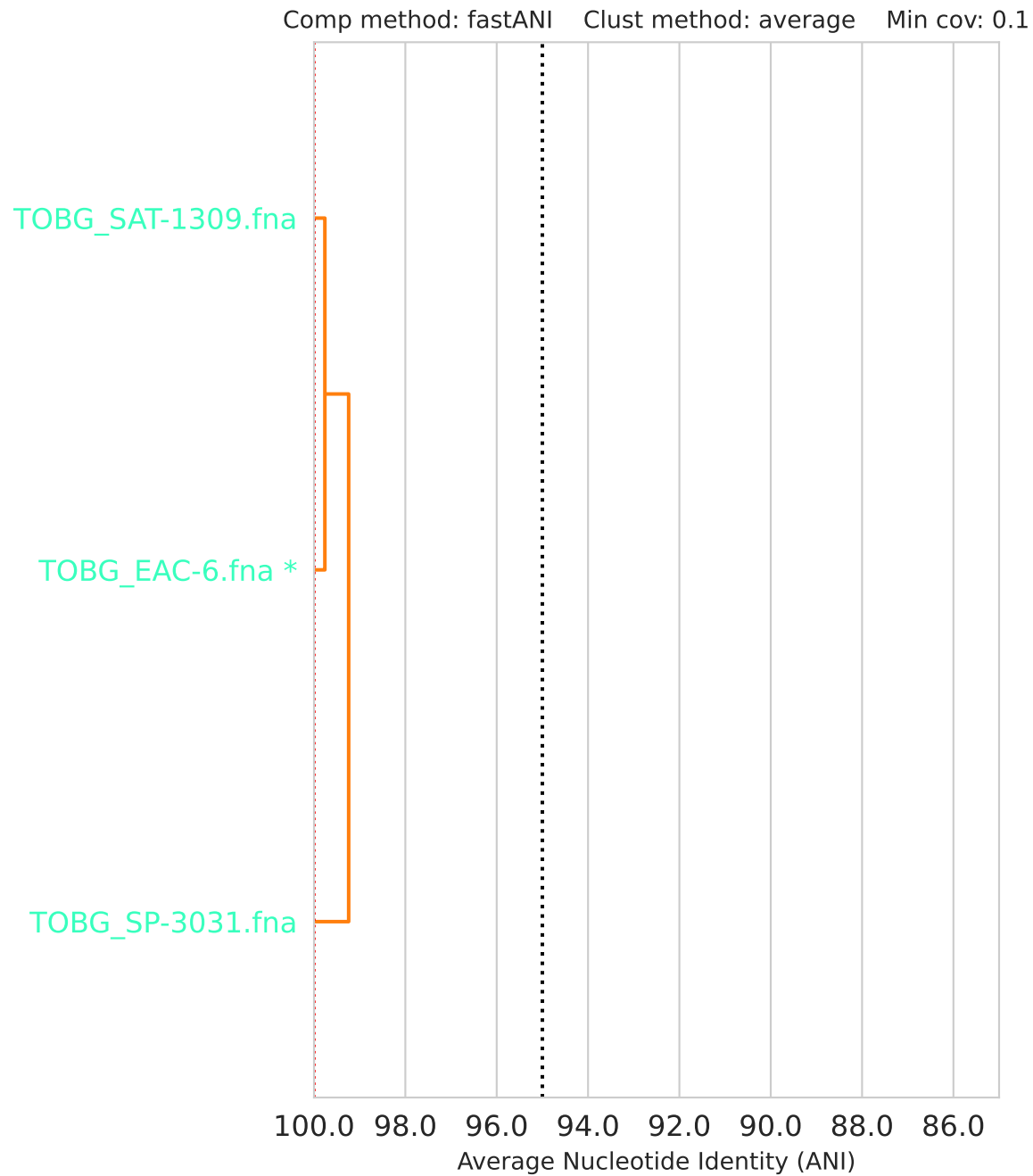
Primary cluster 207



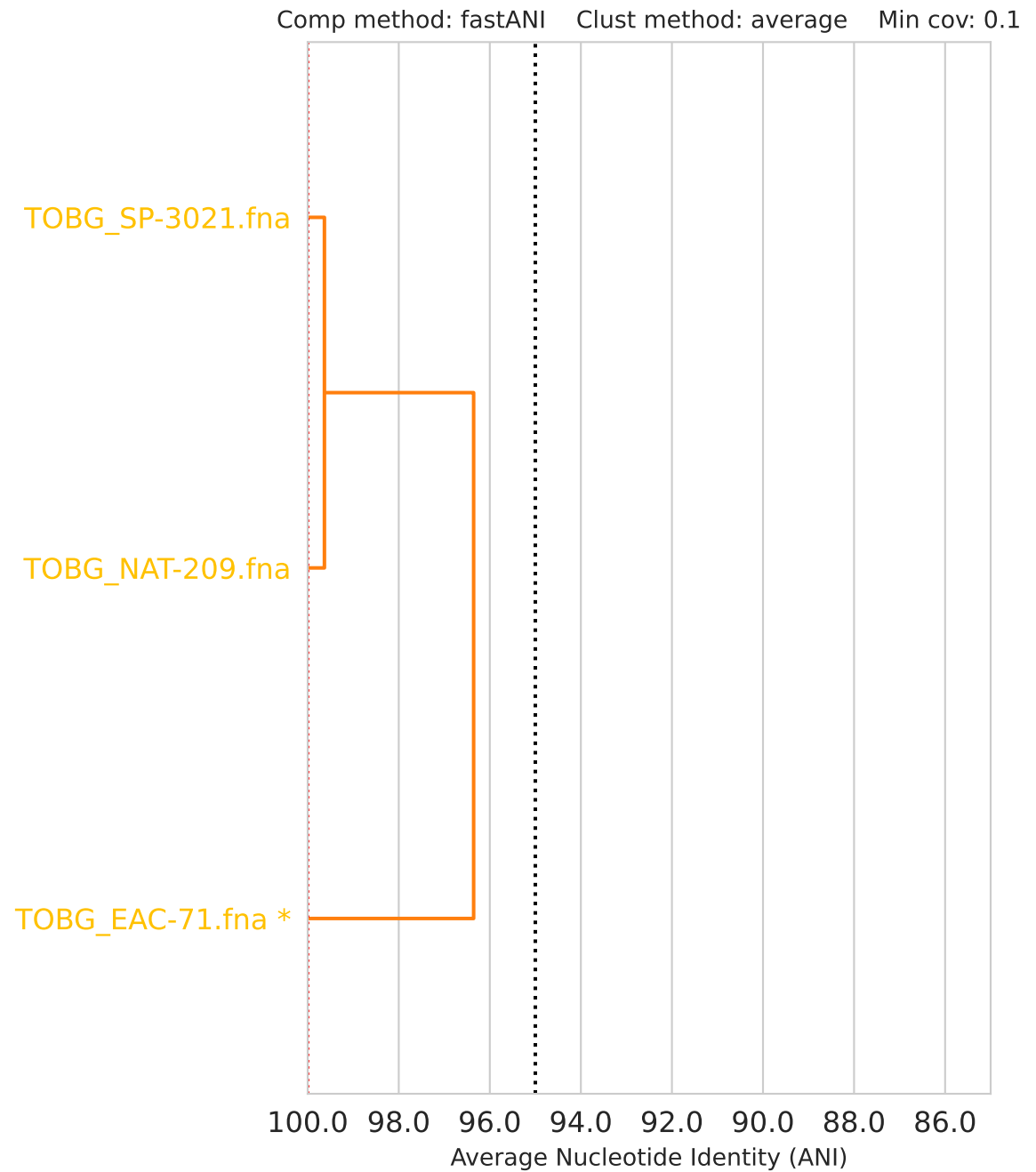
Primary cluster 208



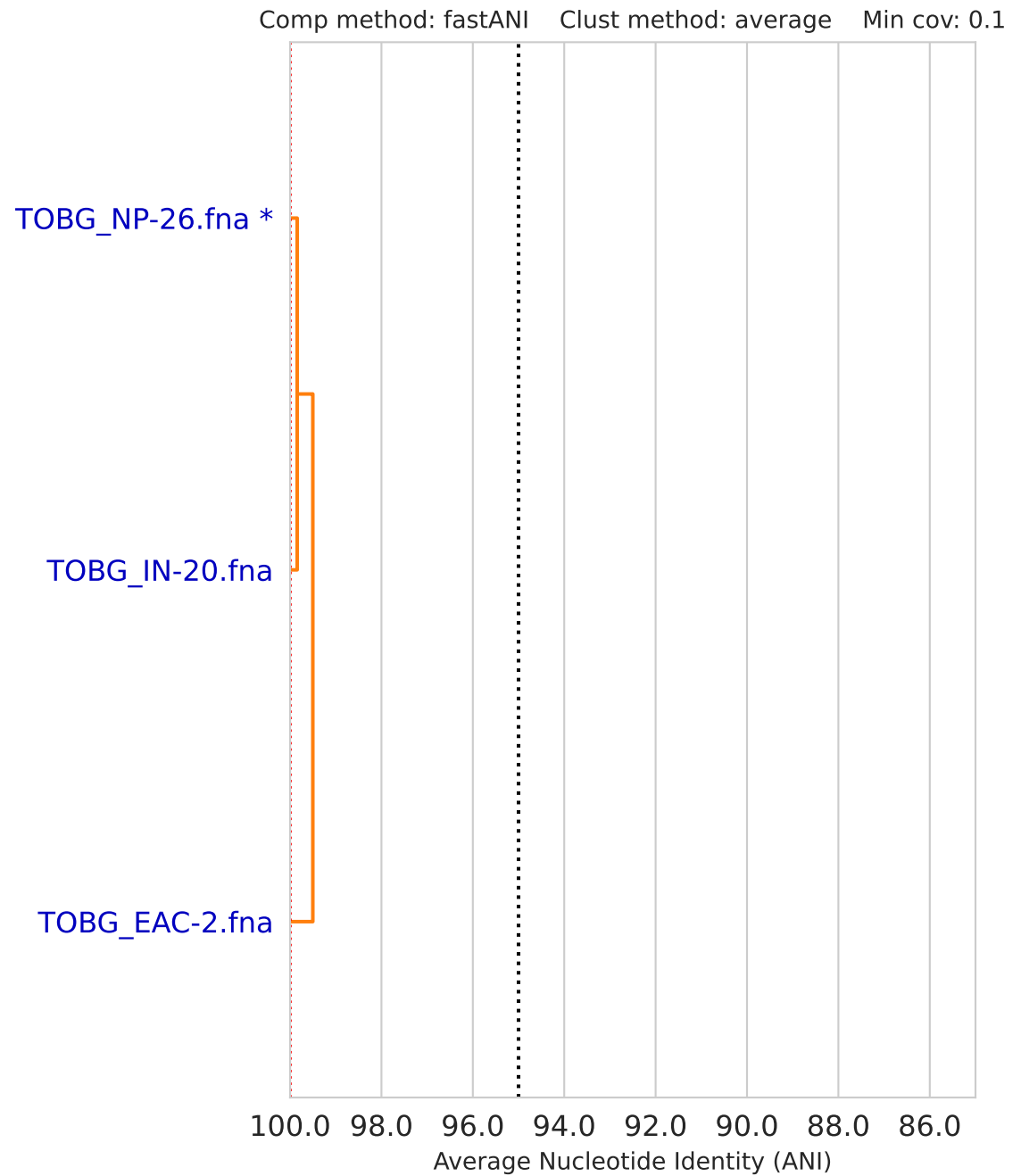
Primary cluster 210



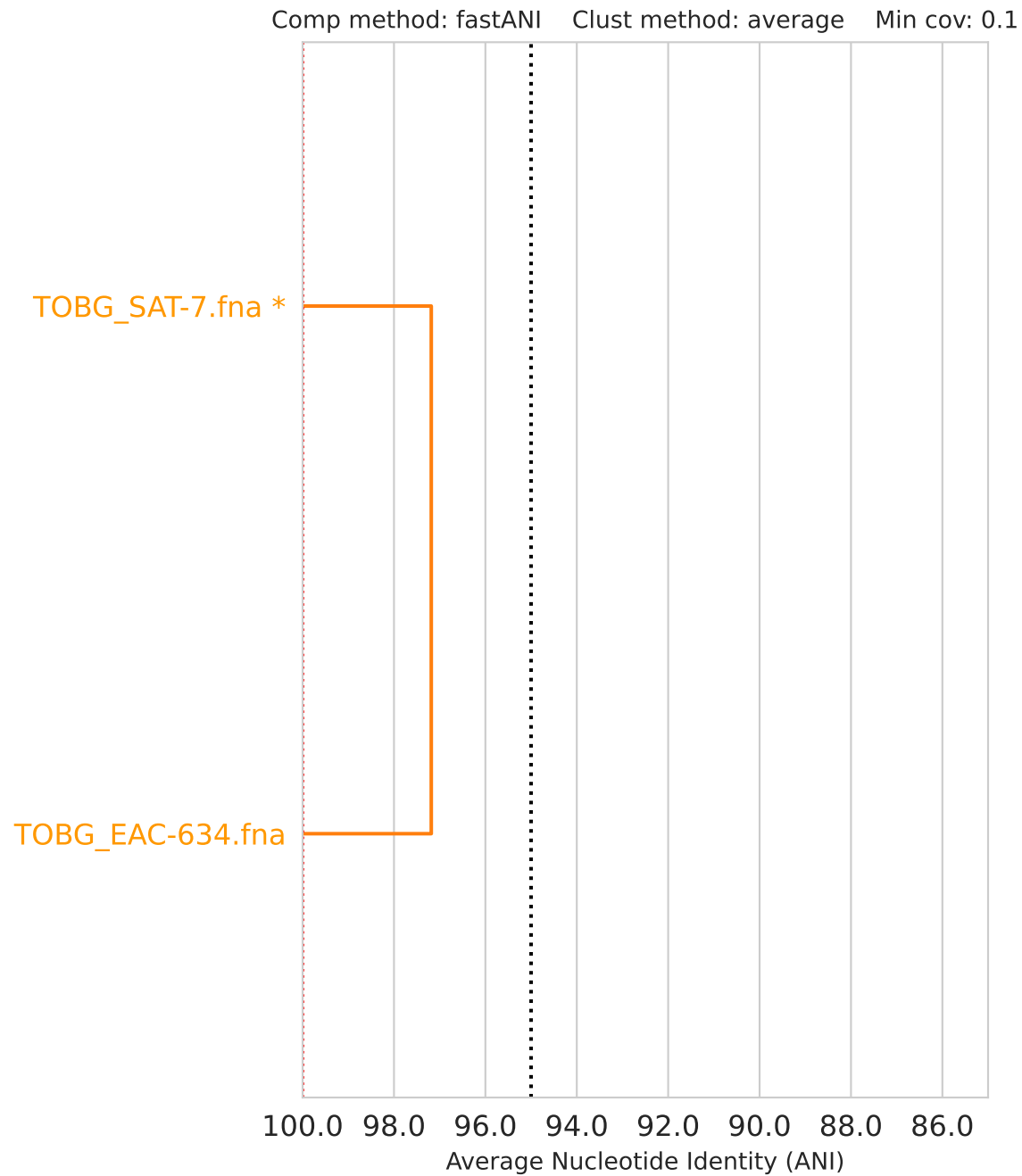
Primary cluster 220



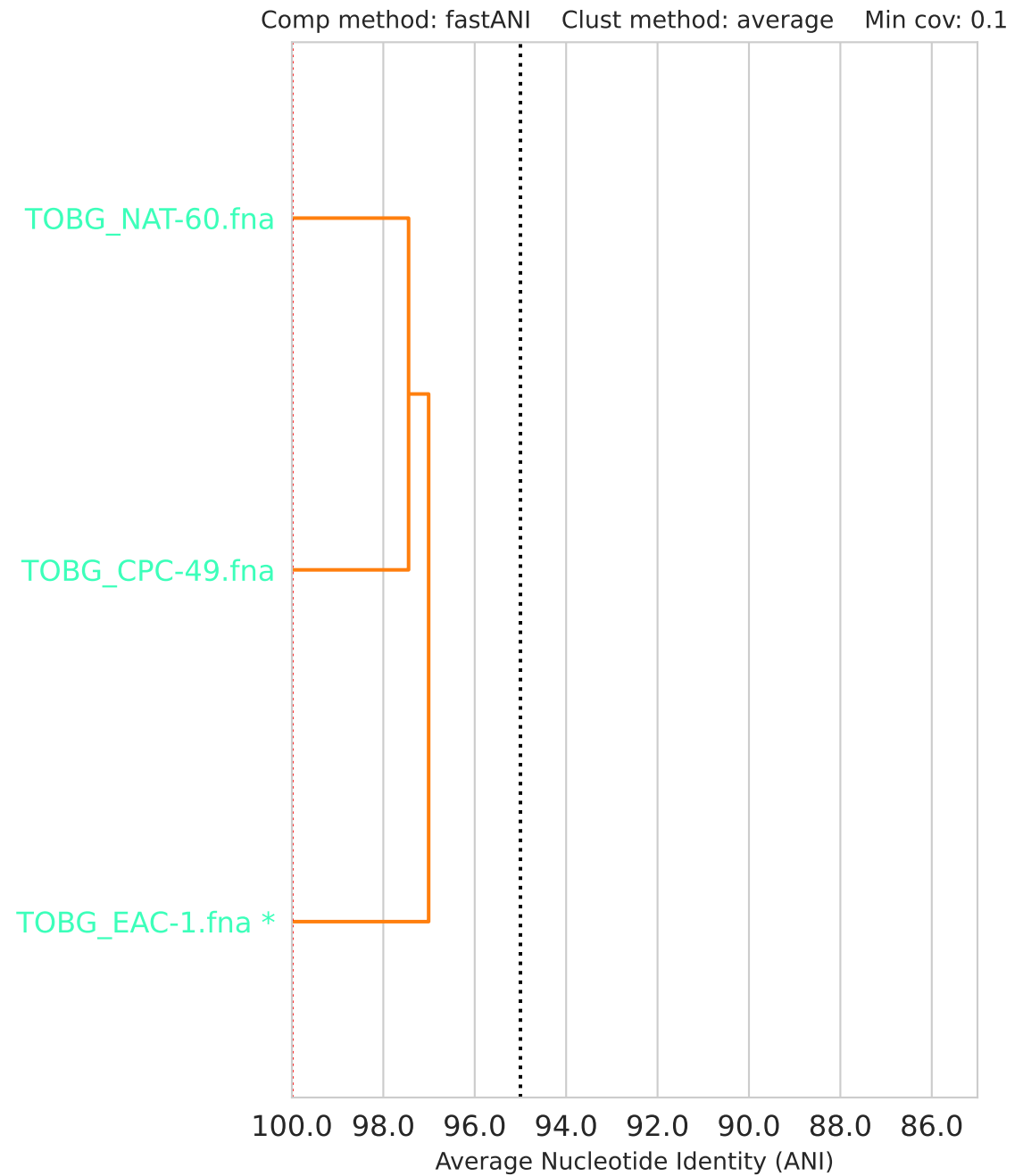
Primary cluster 221



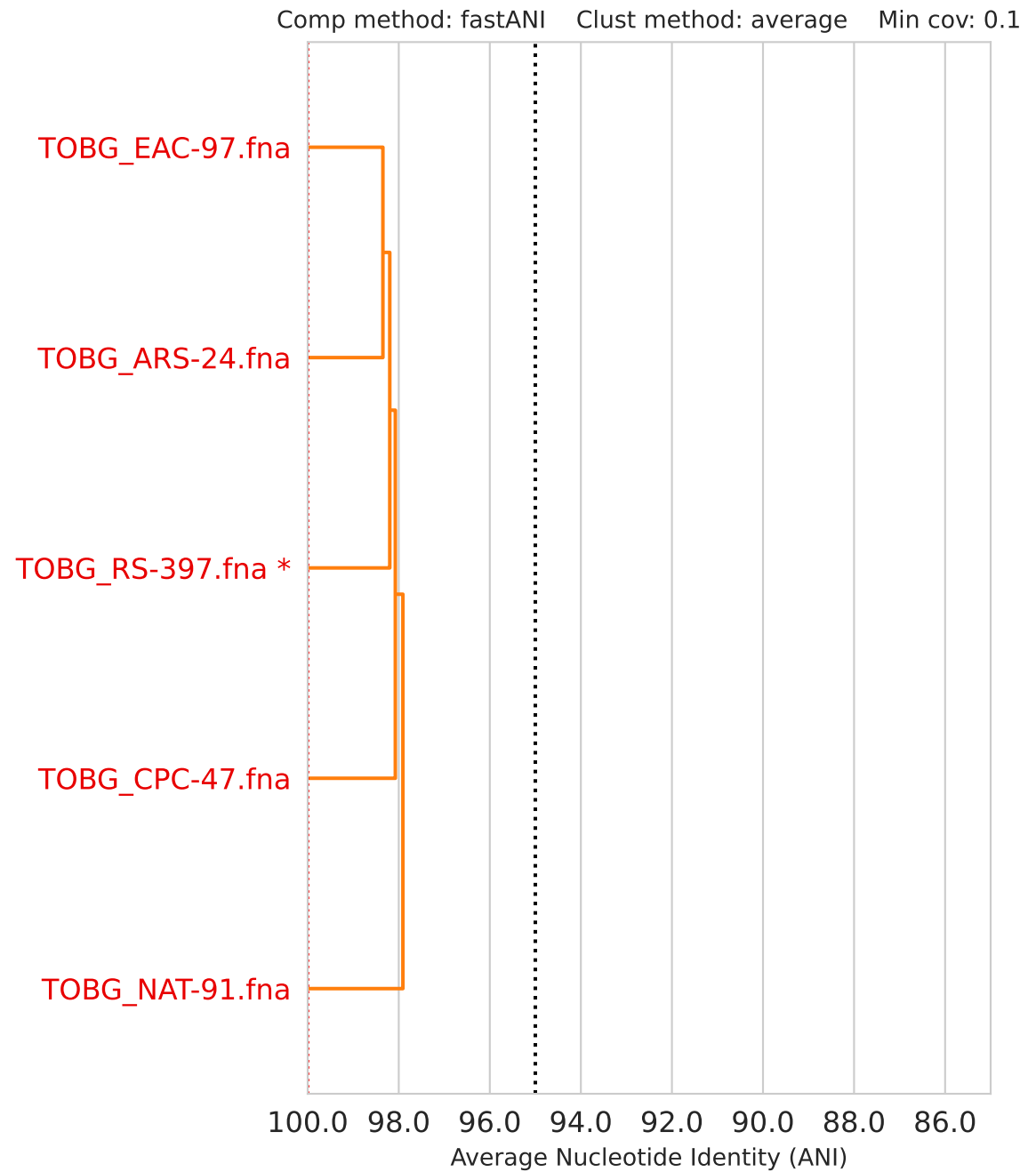
Primary cluster 222



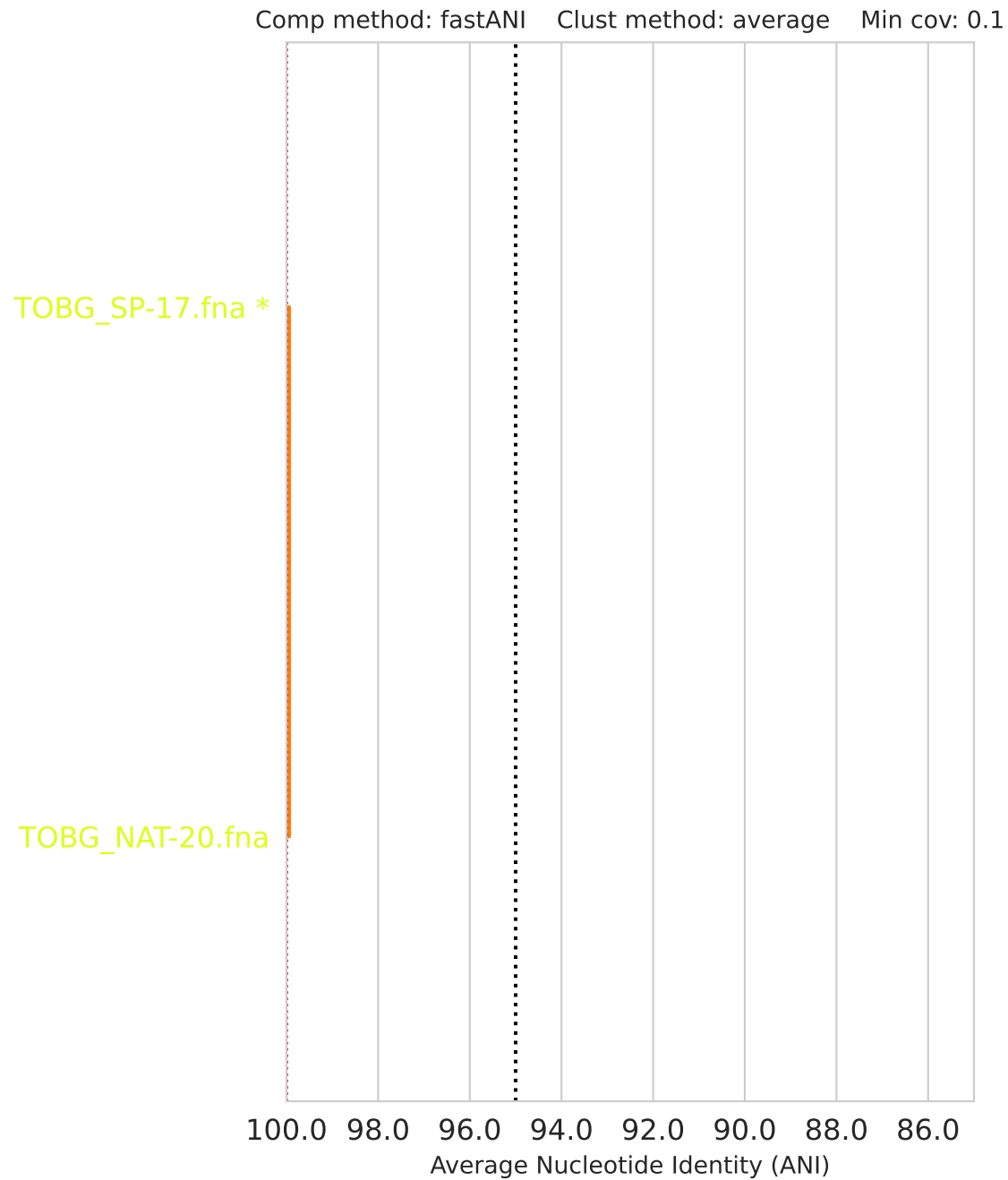
Primary cluster 224



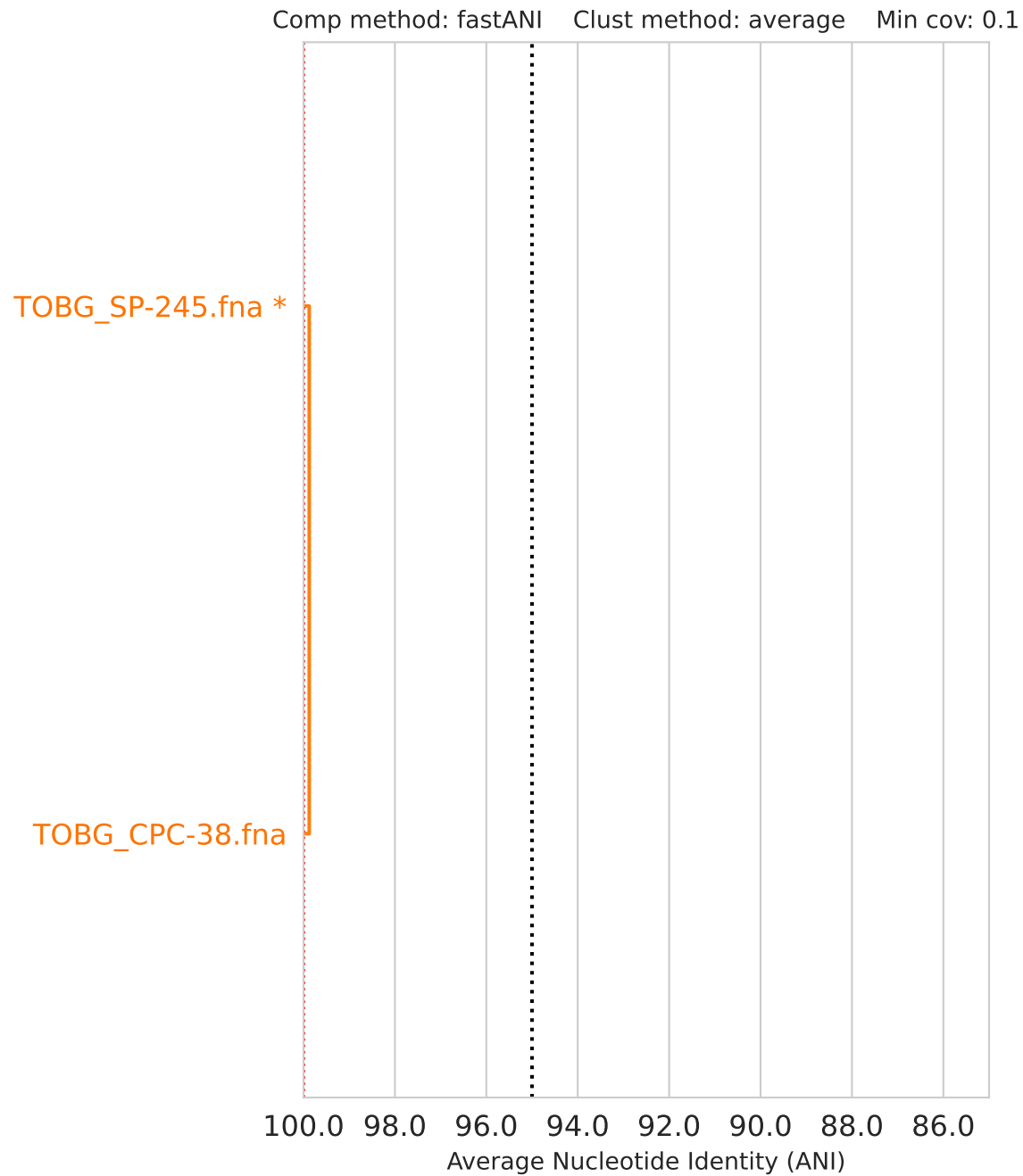
Primary cluster 225



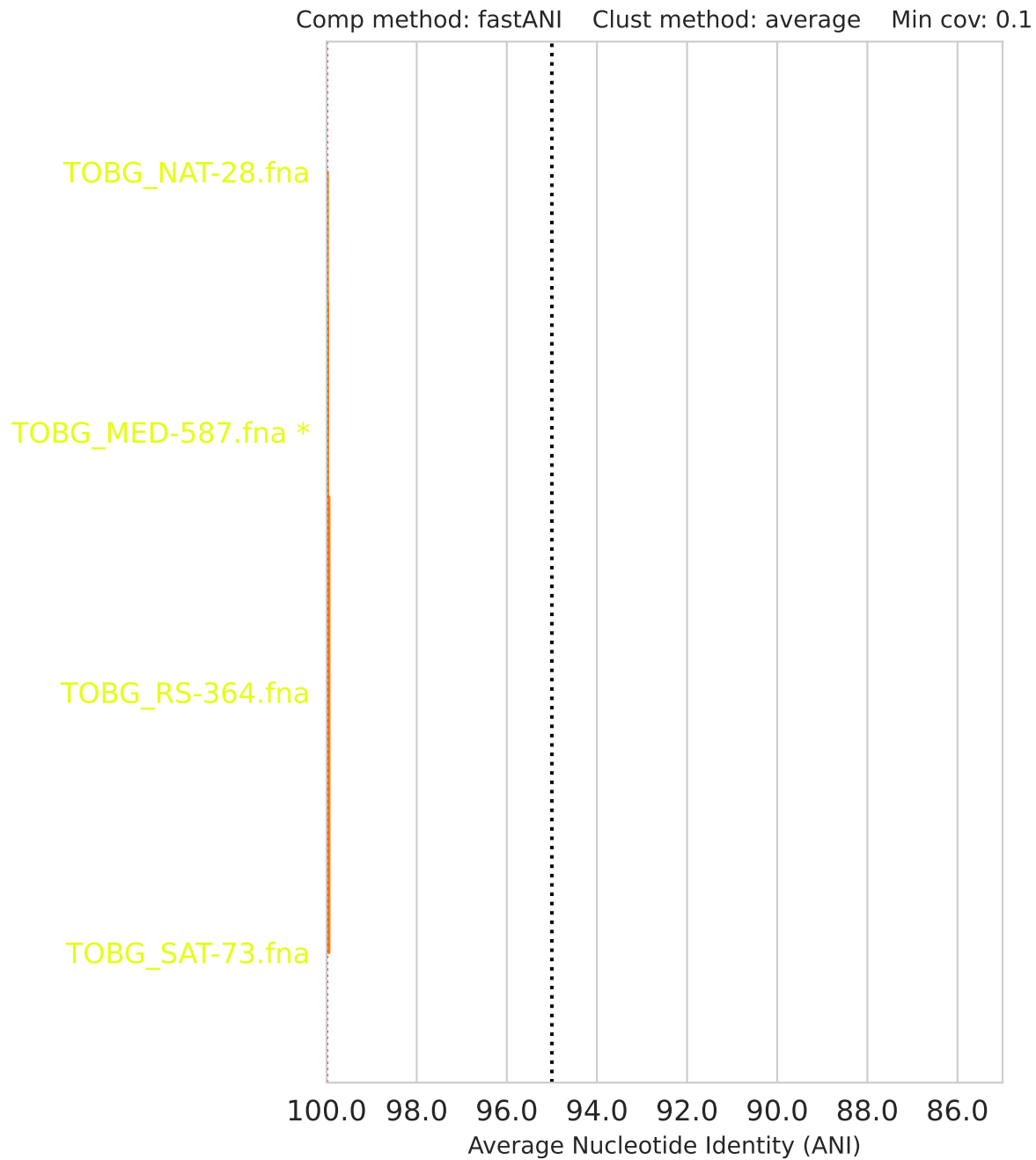
Primary cluster 229



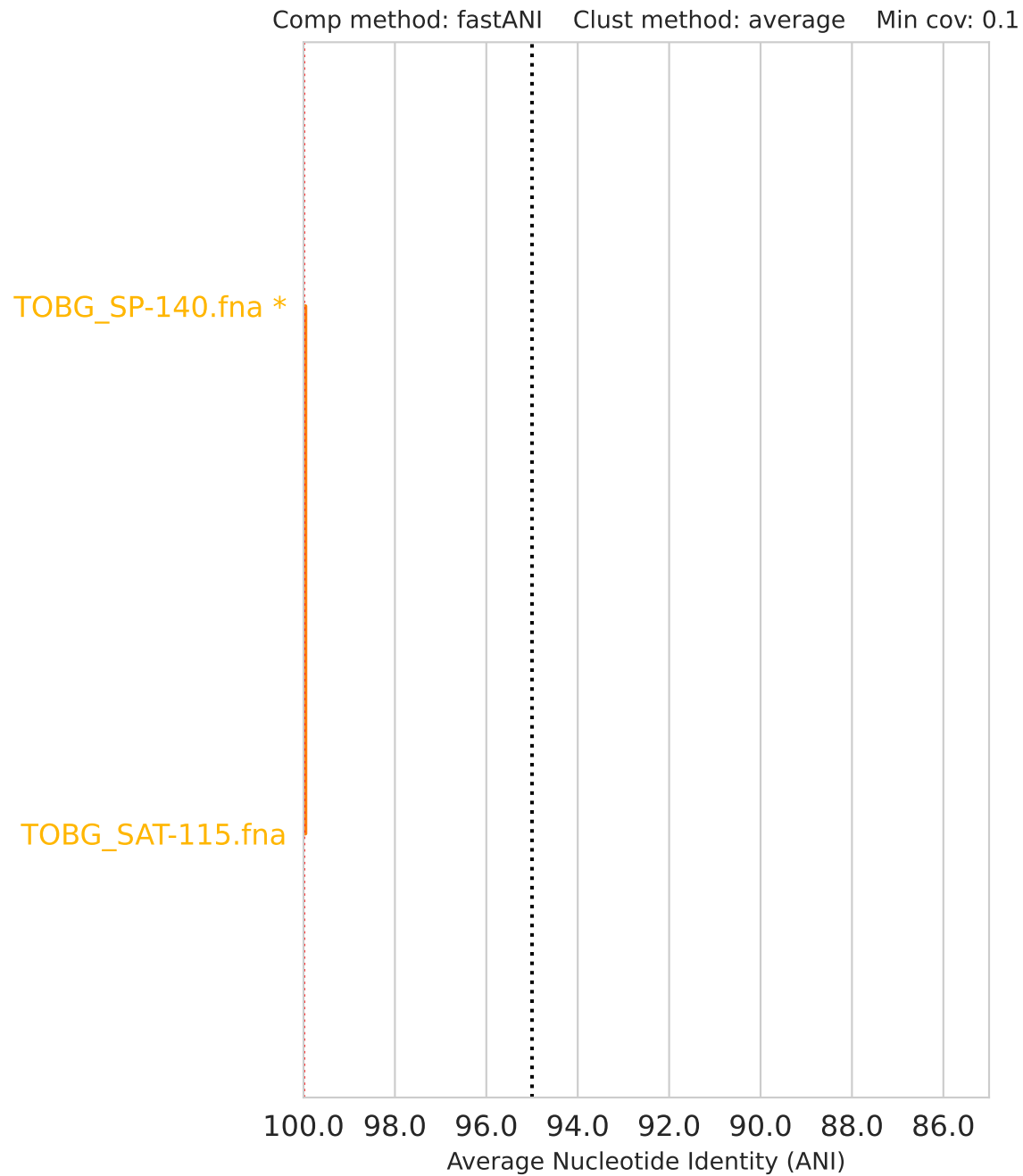
Primary cluster 230



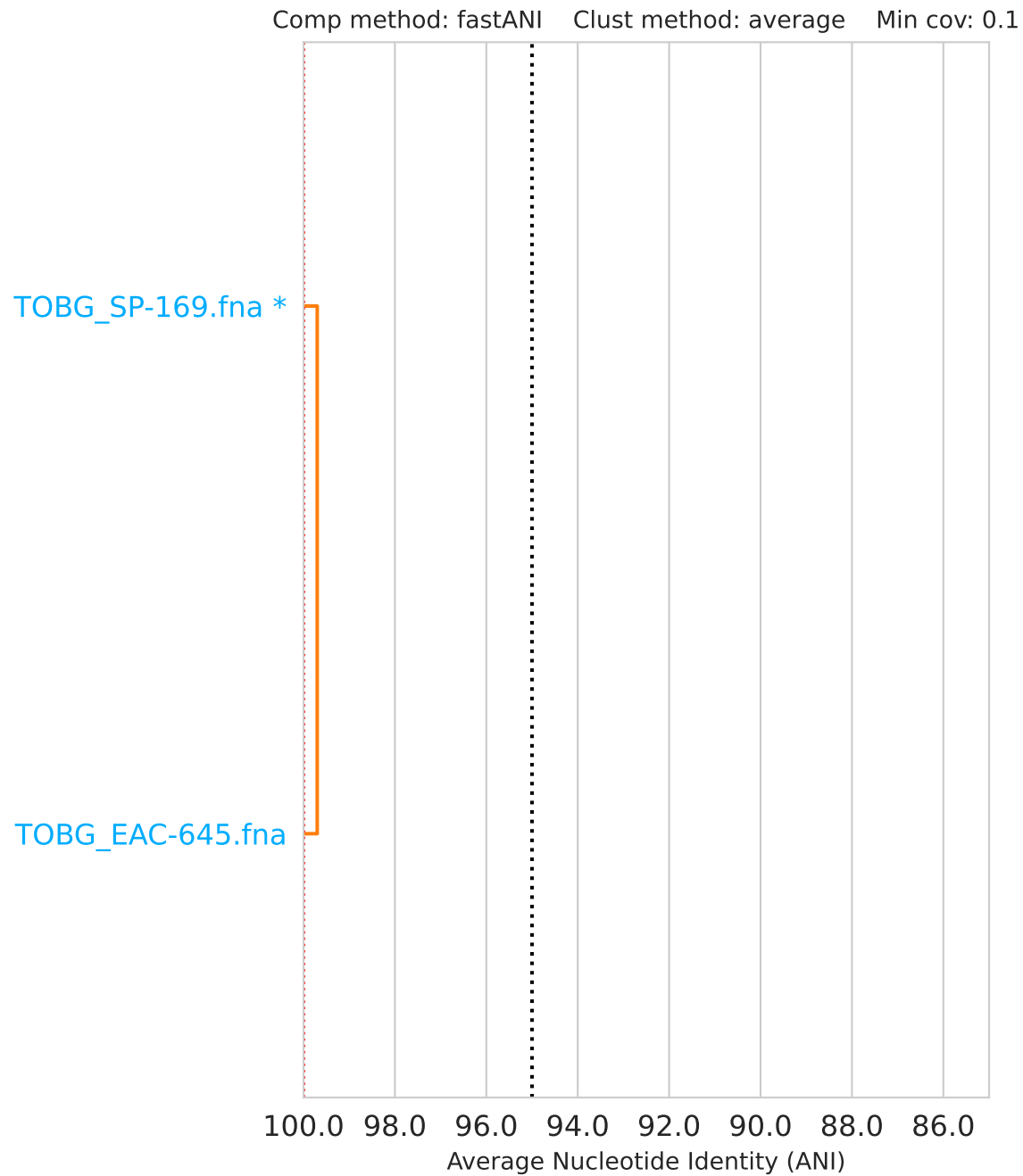
Primary cluster 232



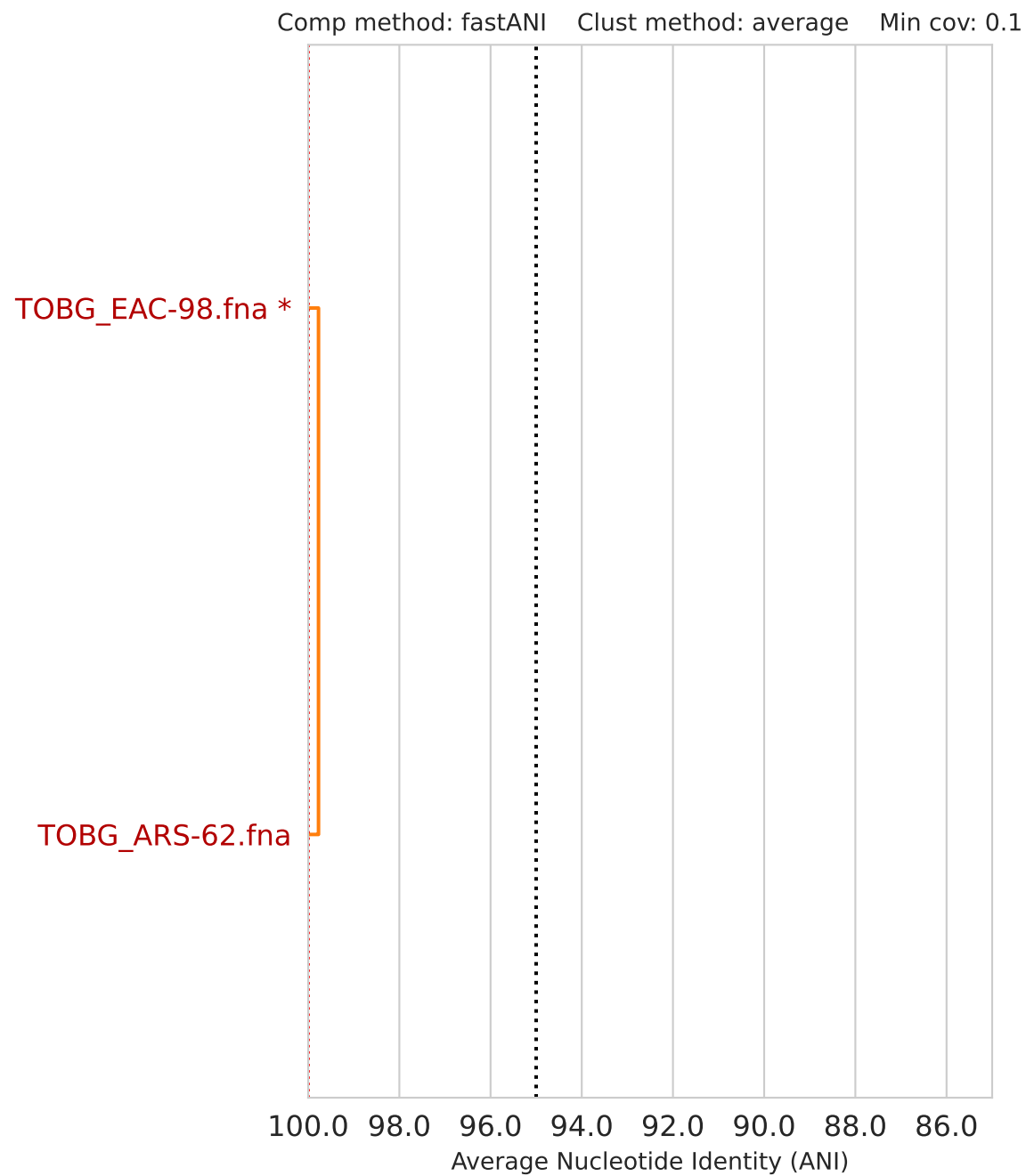
Primary cluster 239



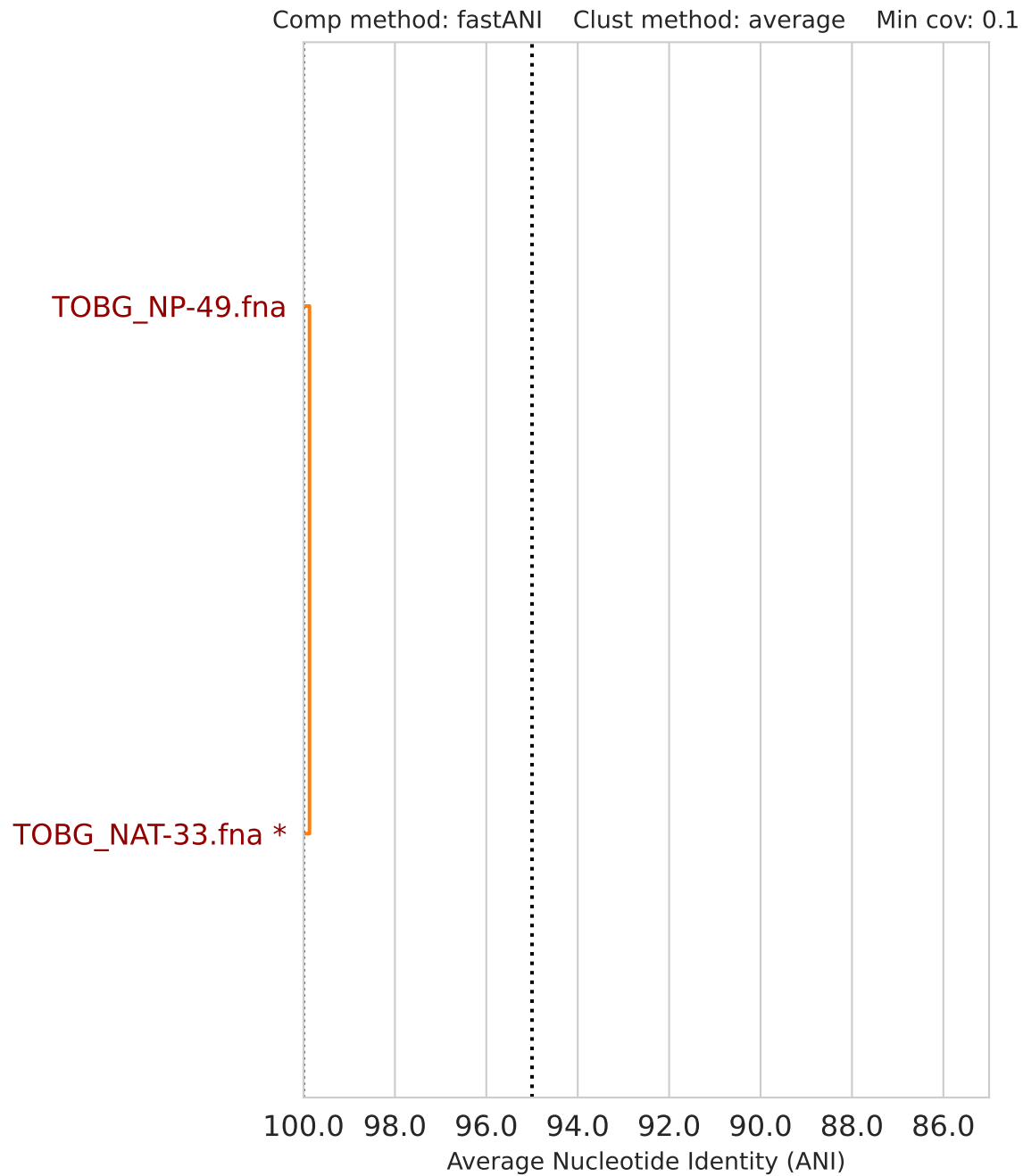
Primary cluster 240



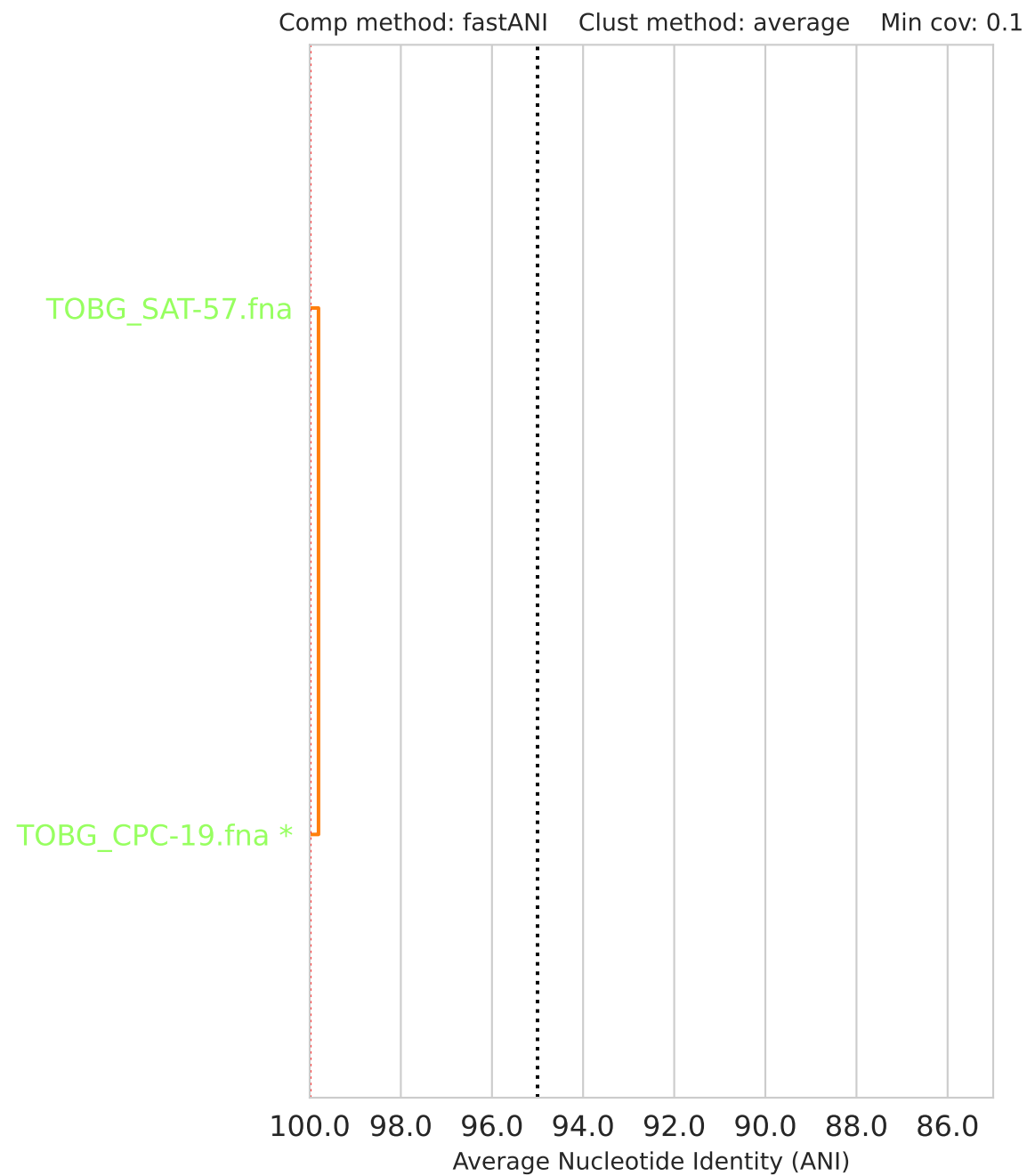
Primary cluster 241



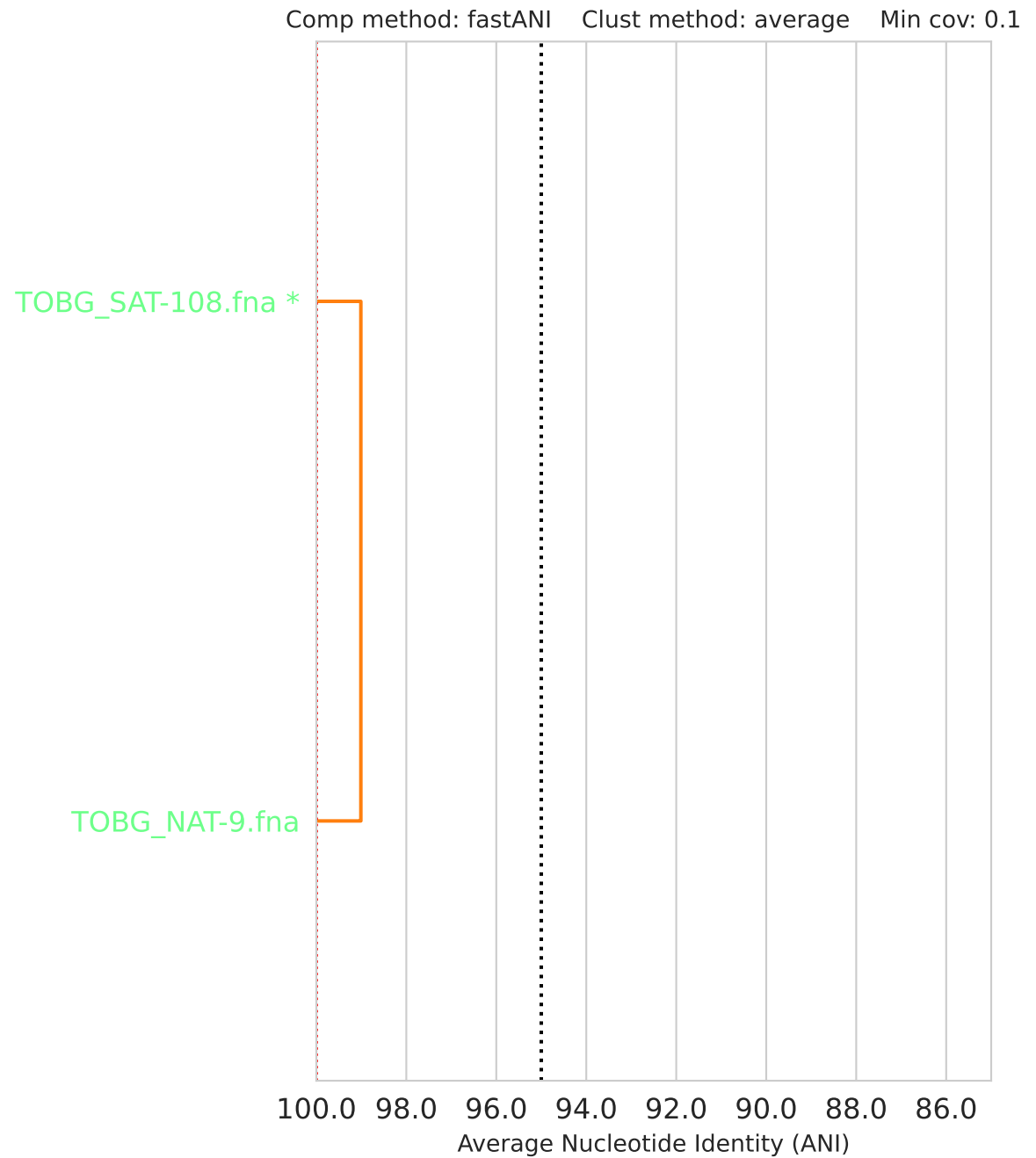
Primary cluster 244



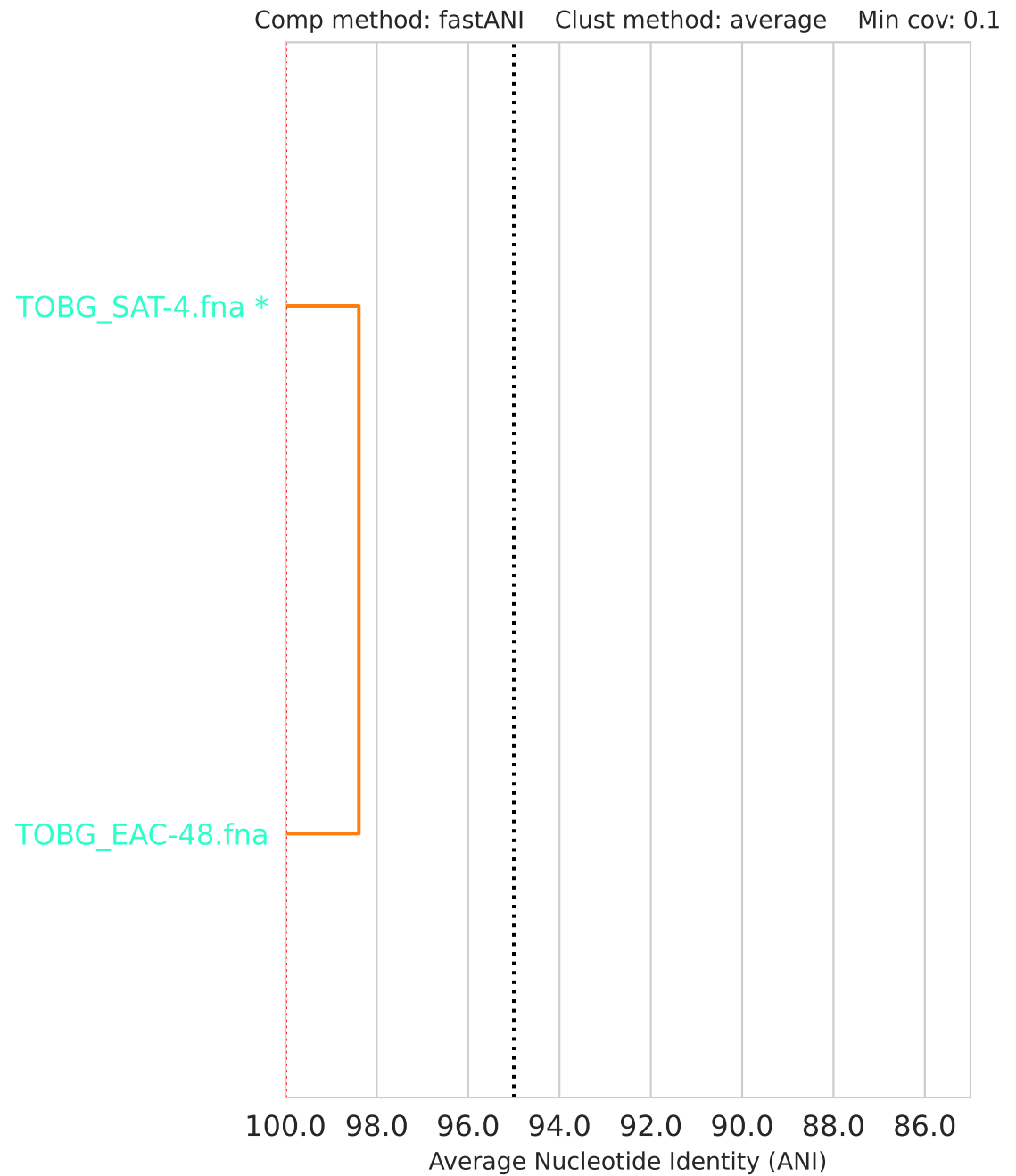
Primary cluster 248



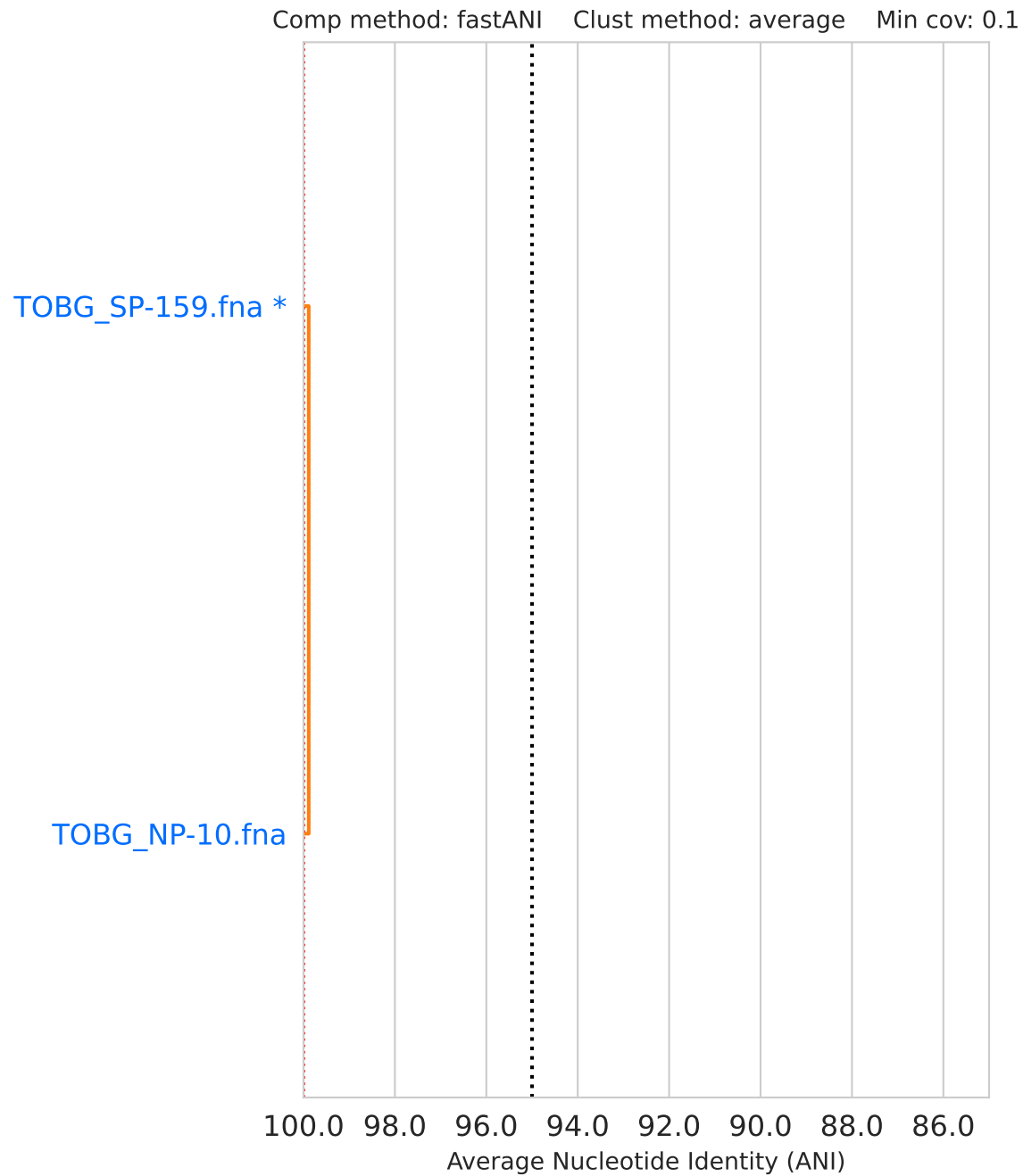
Primary cluster 253



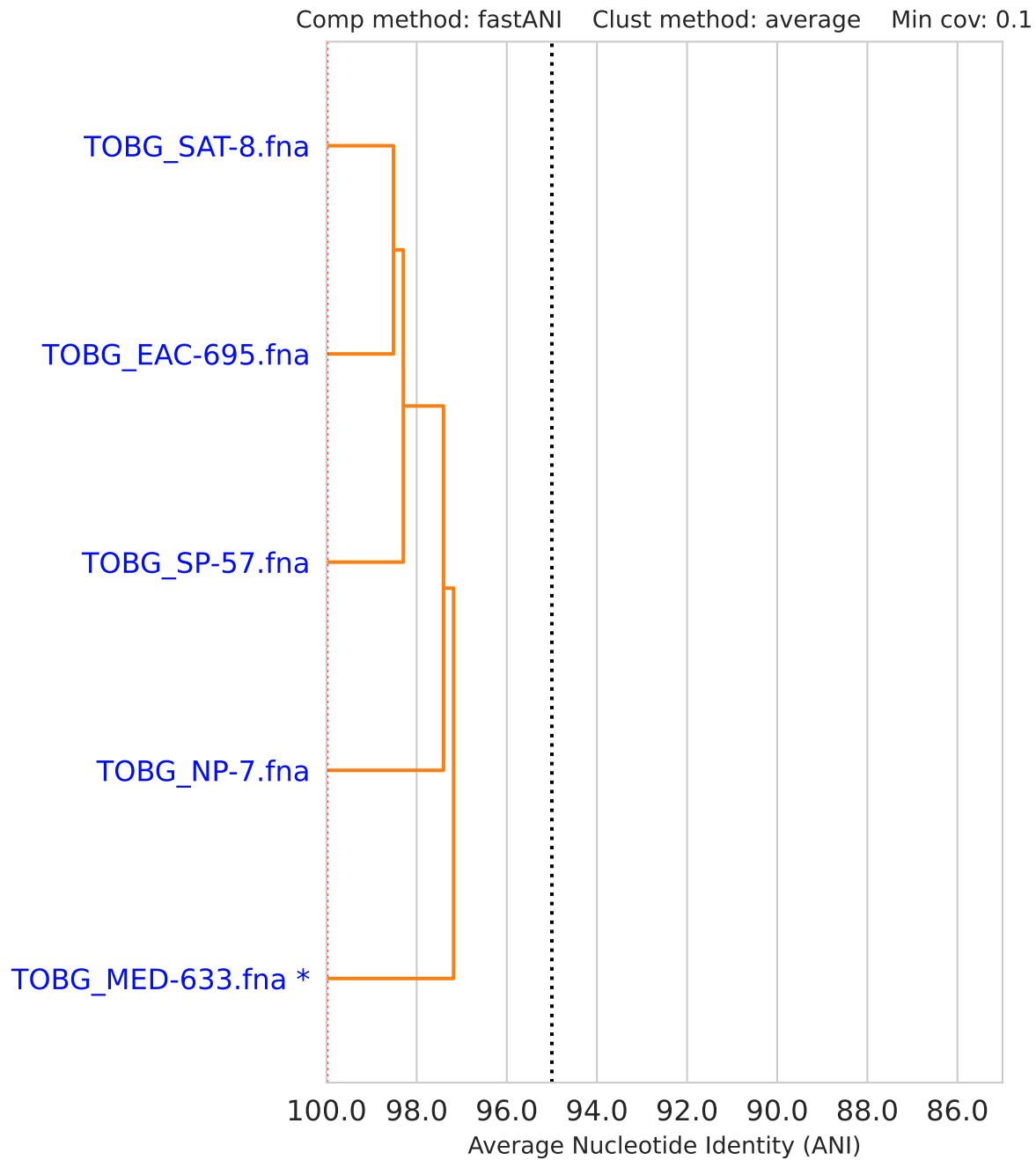
Primary cluster 254



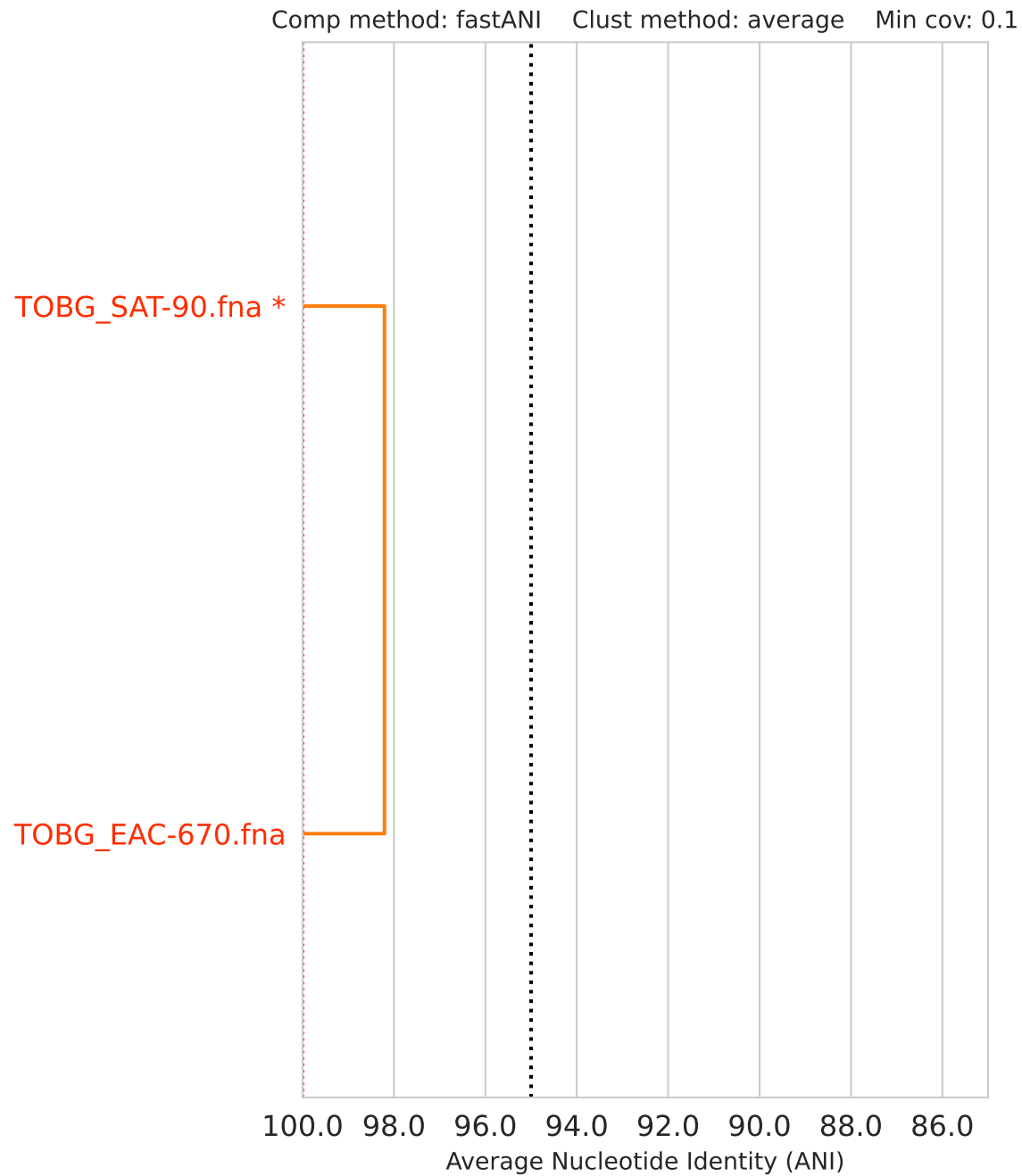
Primary cluster 256



Primary cluster 257



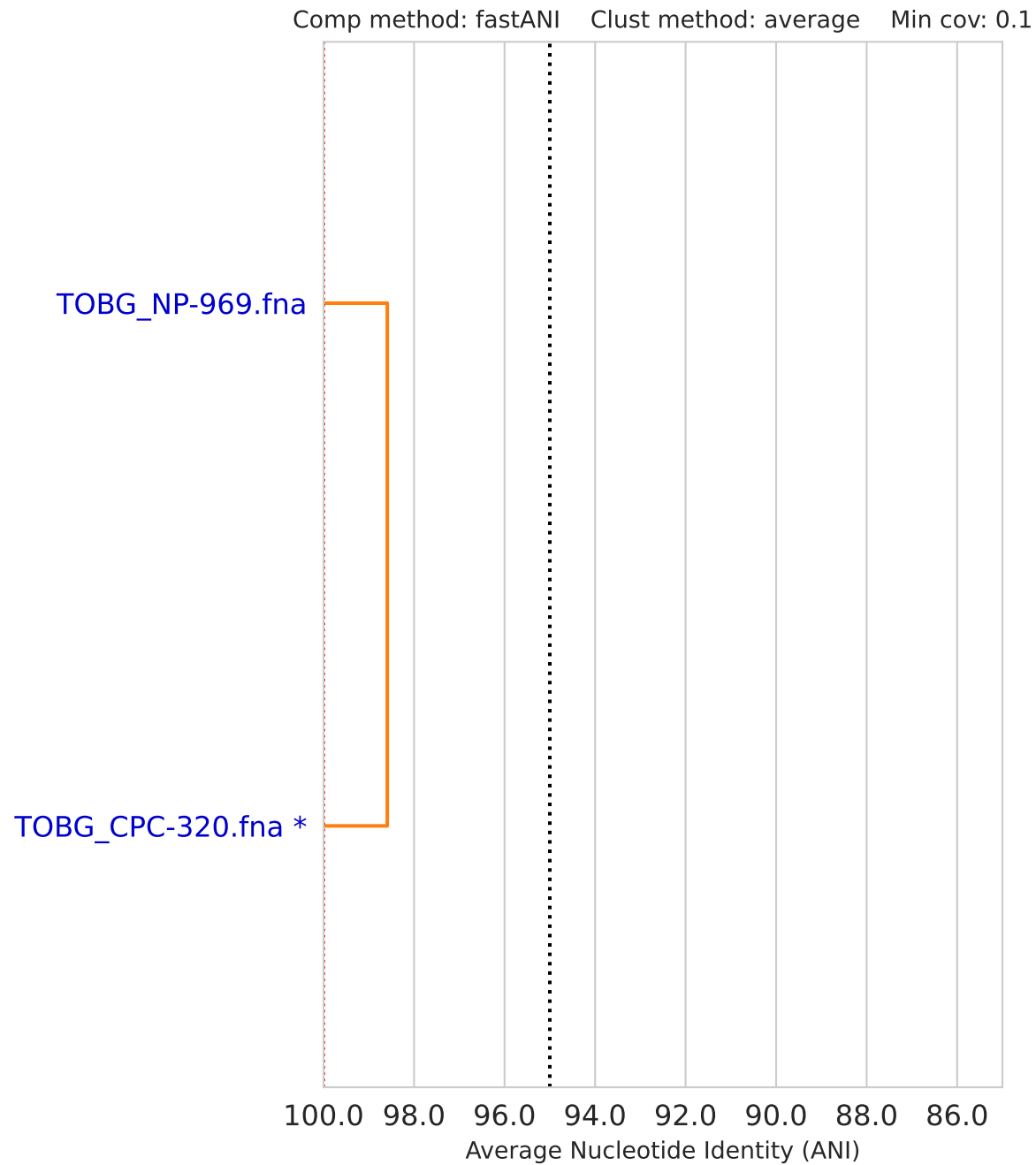
Primary cluster 260



Primary cluster 264



Primary cluster 283



Primary cluster 295

Comp method: fastANI

Clust method: average

Min cov: 0.1

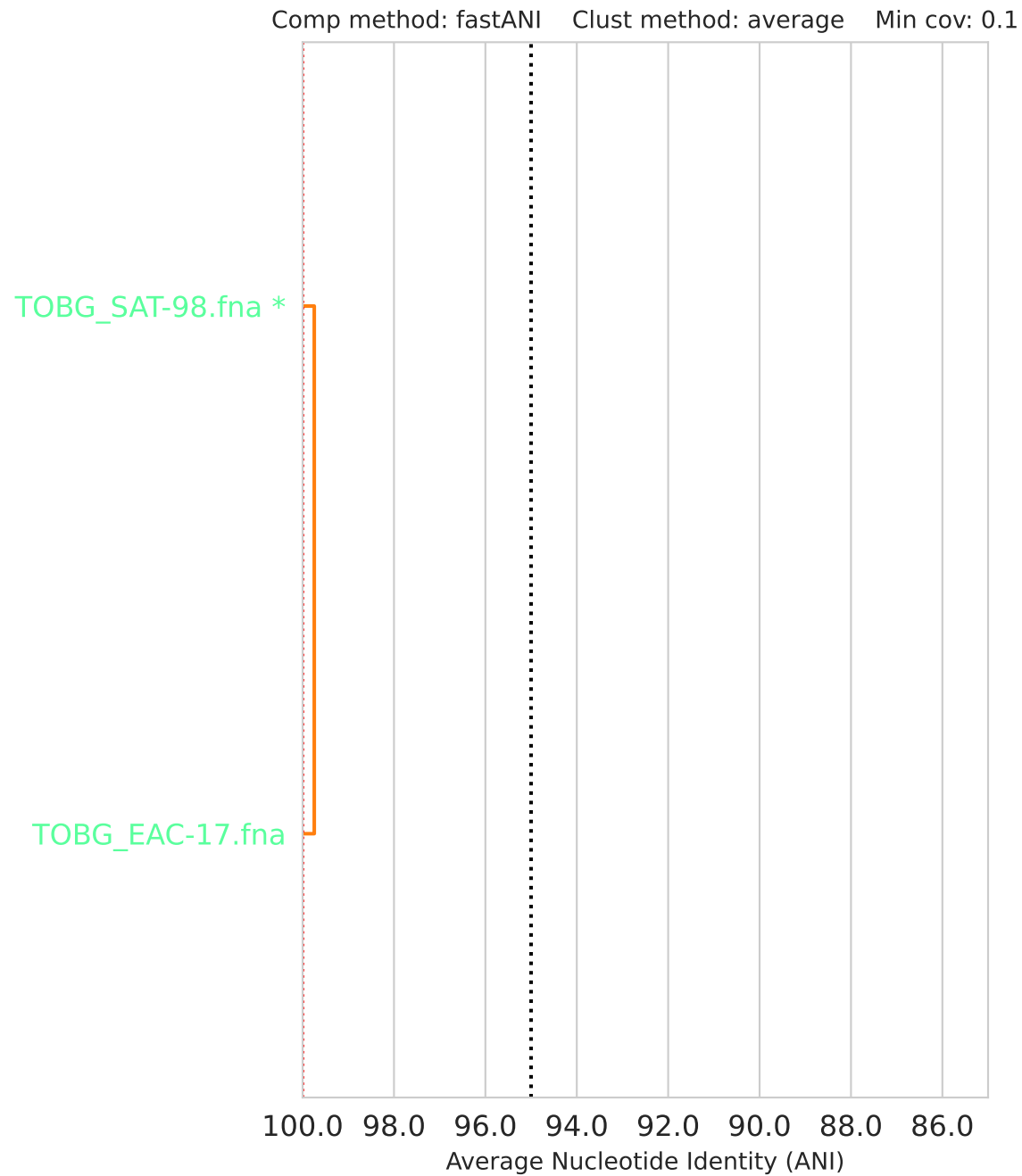
TOBG_SP-37.fna

TOBG_CPC-69.fna *

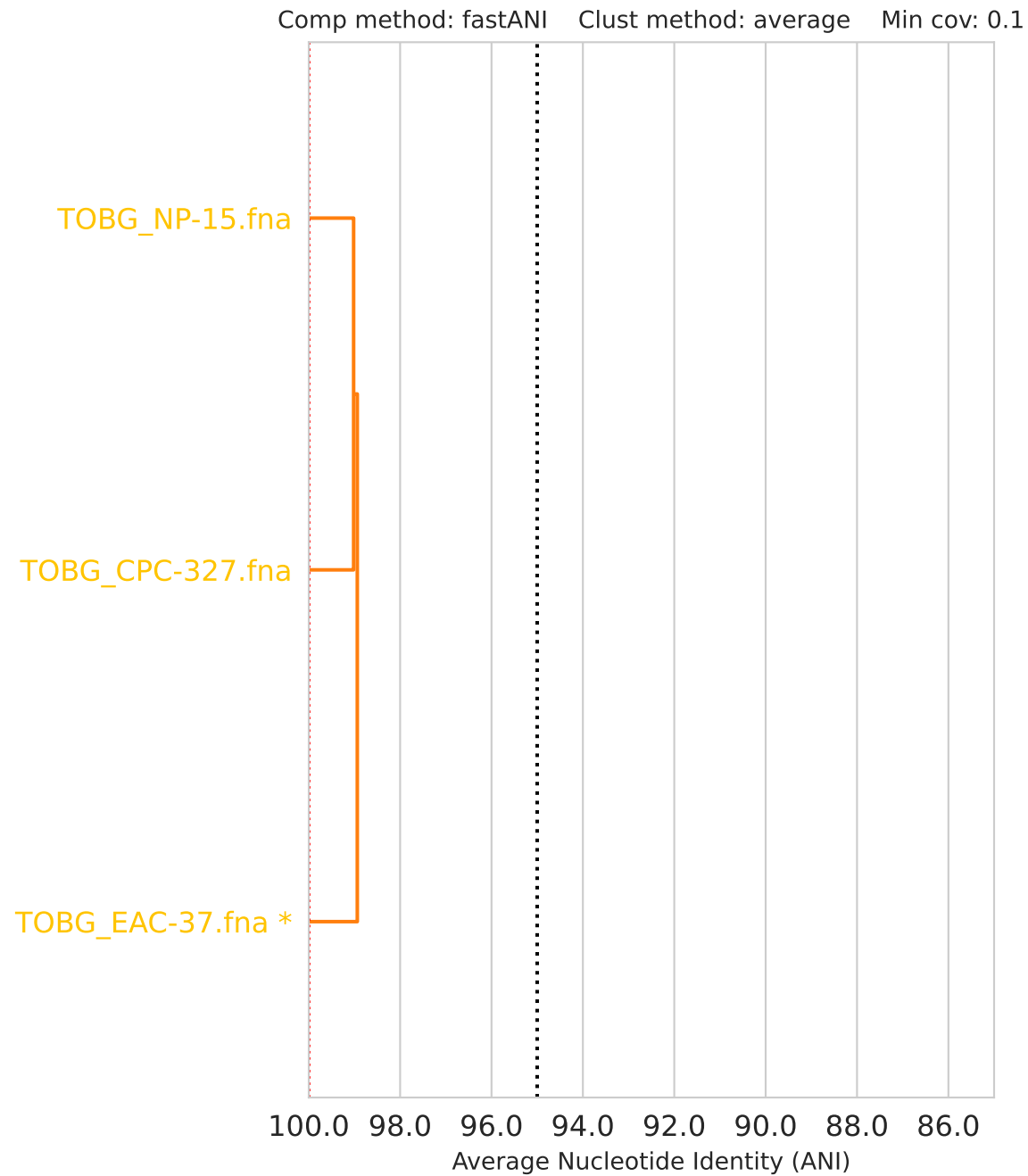
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



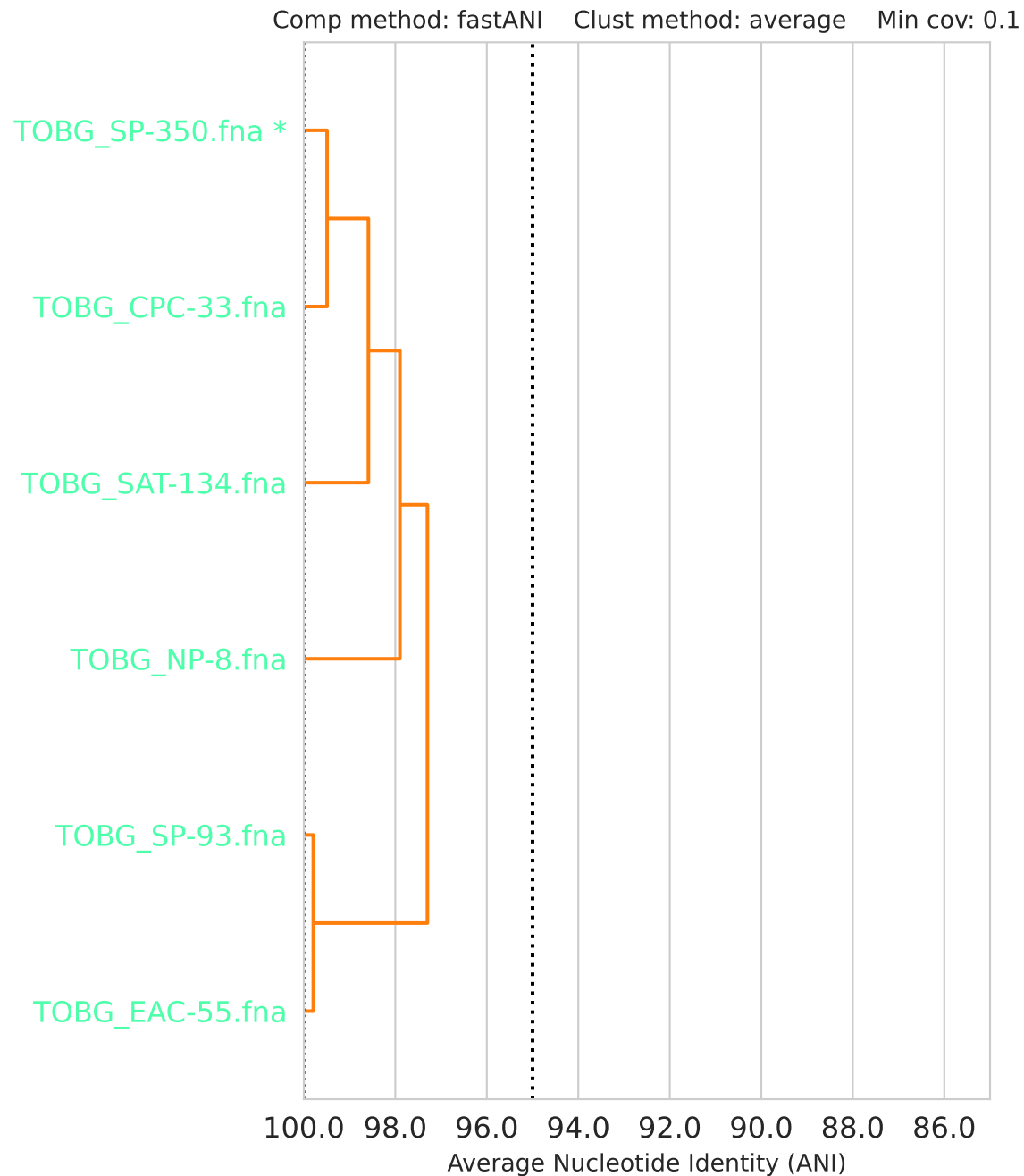
Primary cluster 298



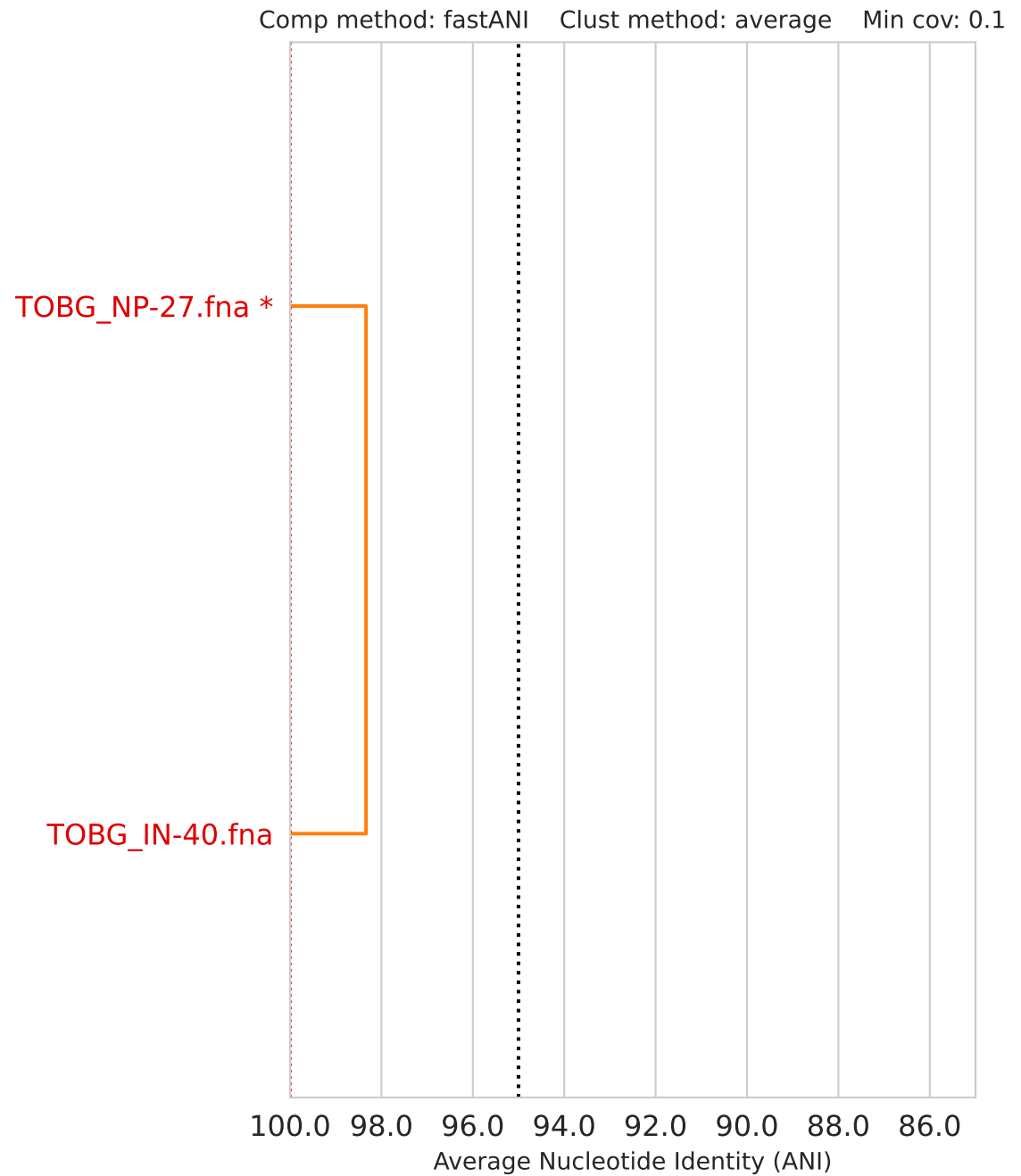
Primary cluster 300



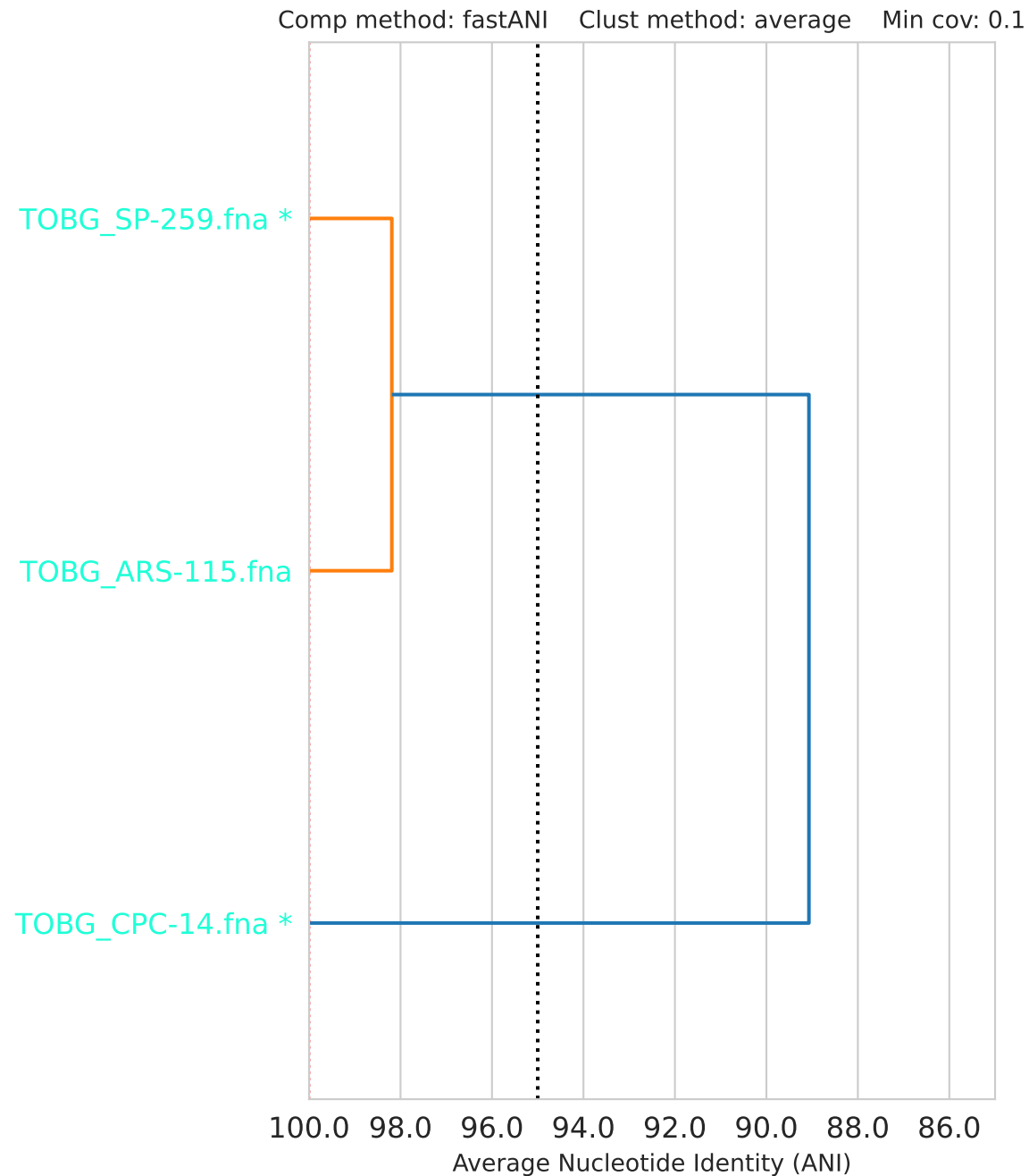
Primary cluster 304



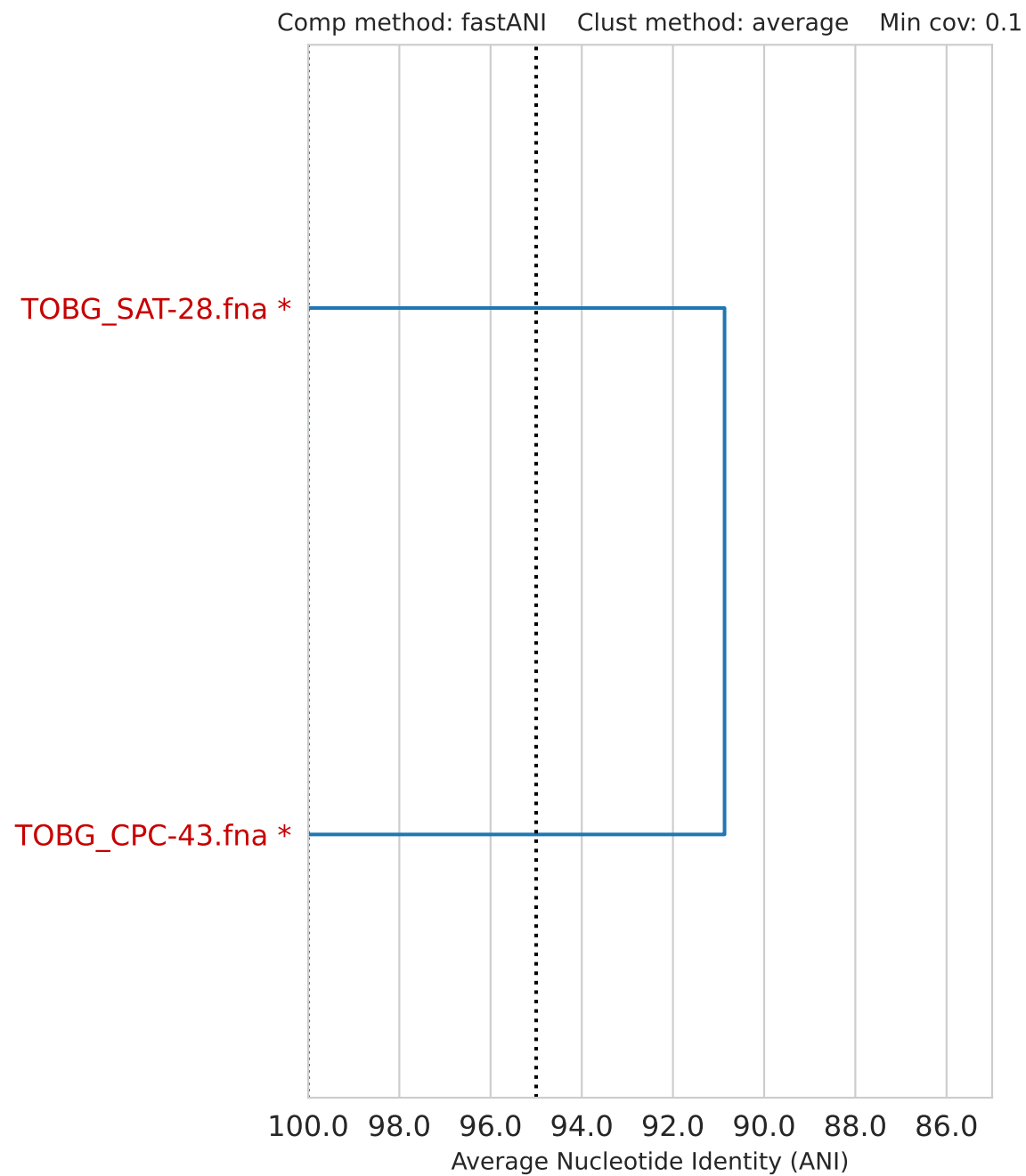
Primary cluster 307



Primary cluster 308



Primary cluster 310



Primary cluster 316

Comp method: fastANI

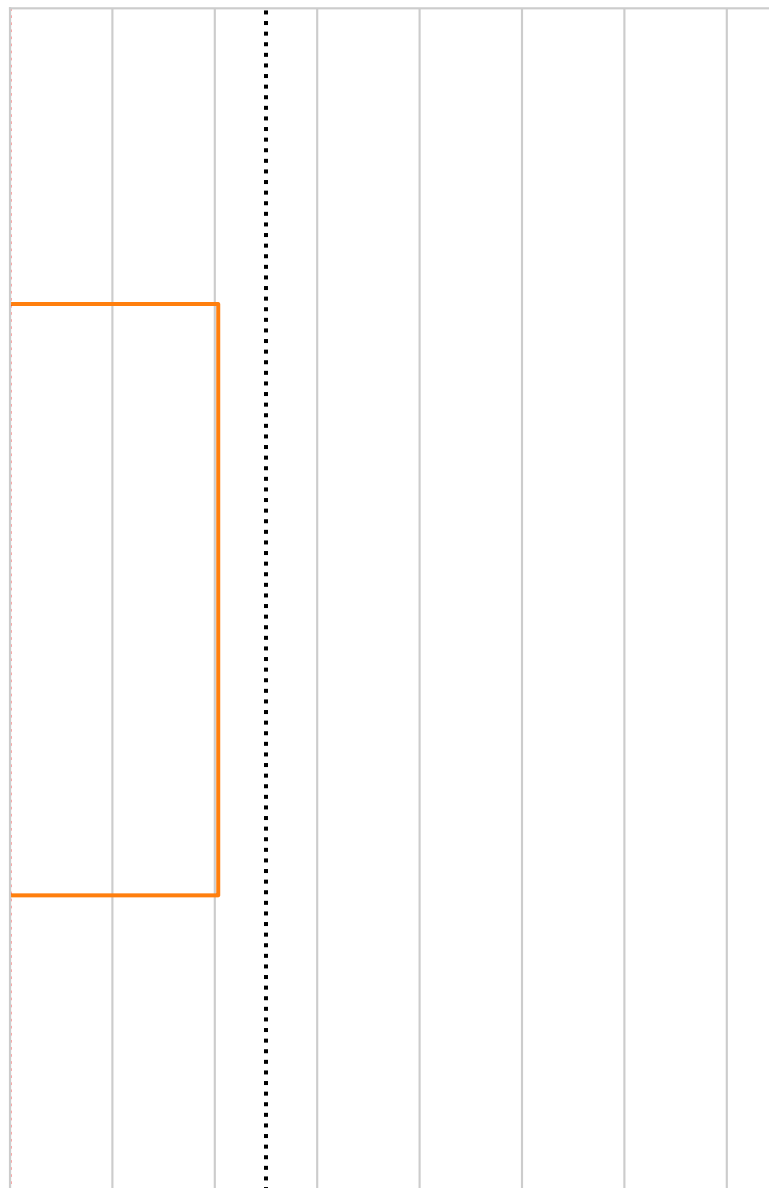
Clust method: average

Min cov: 0.1

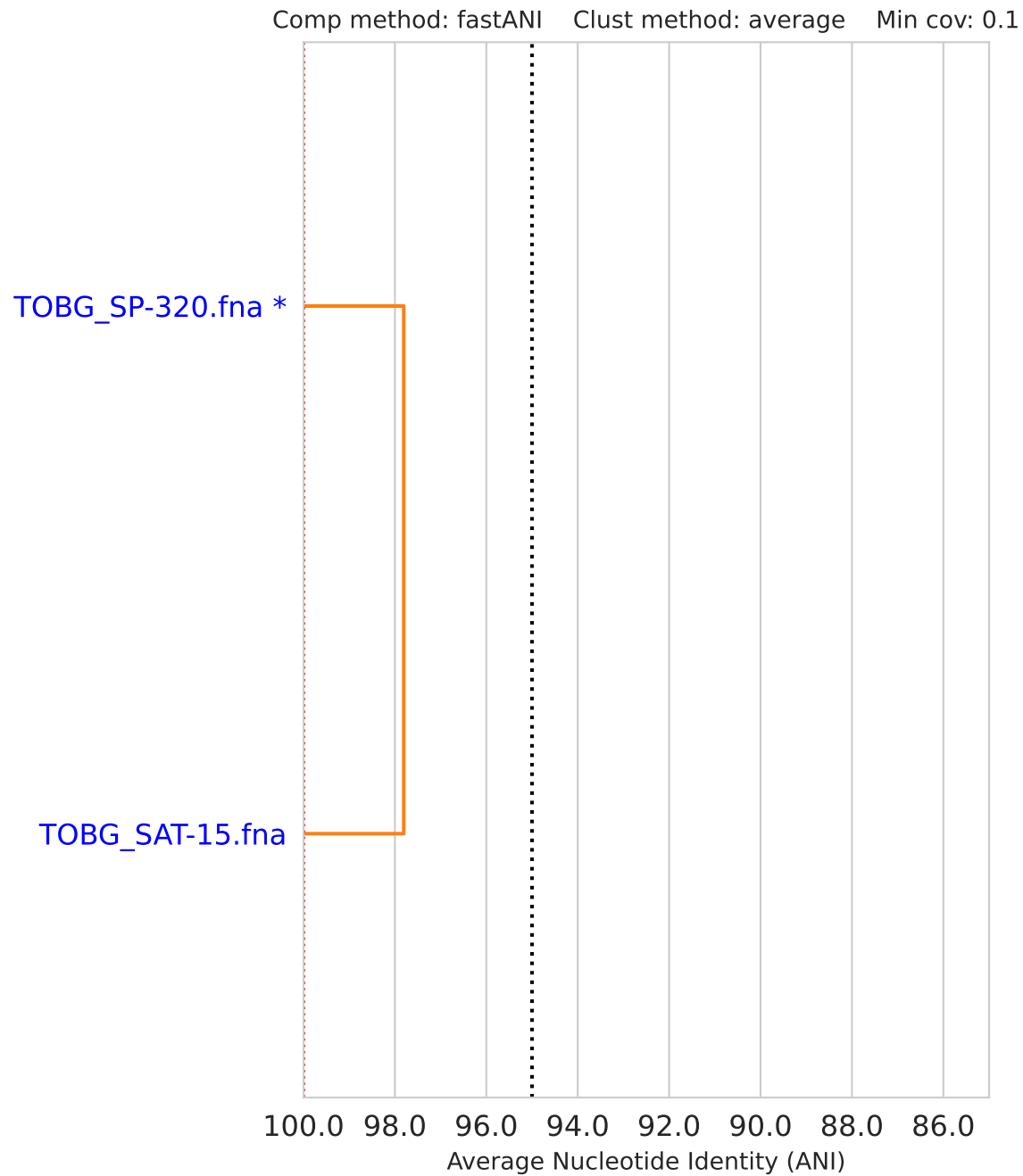
TOBG_SAT-133.fna

TOBG_NAT-109.fna *

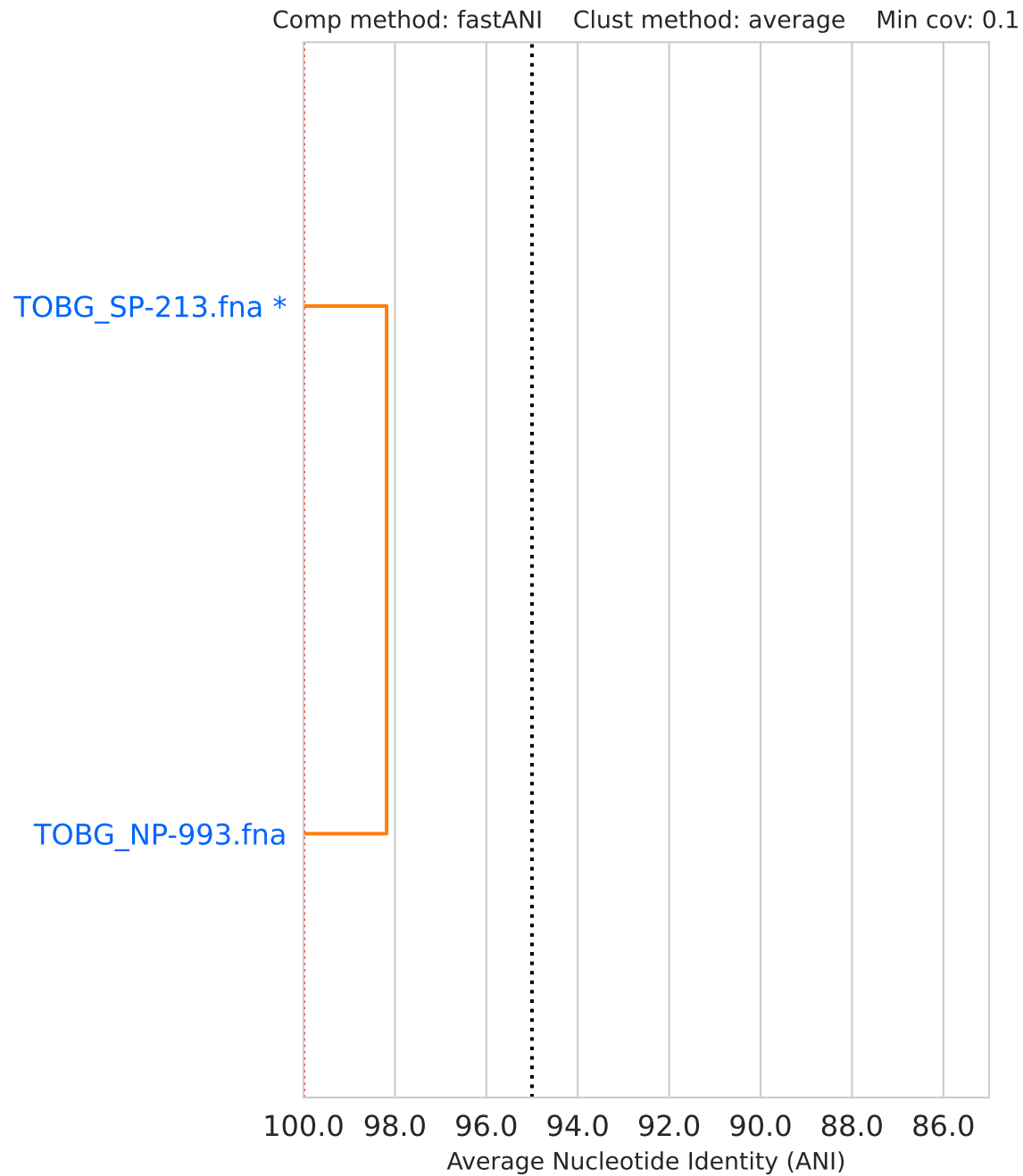
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



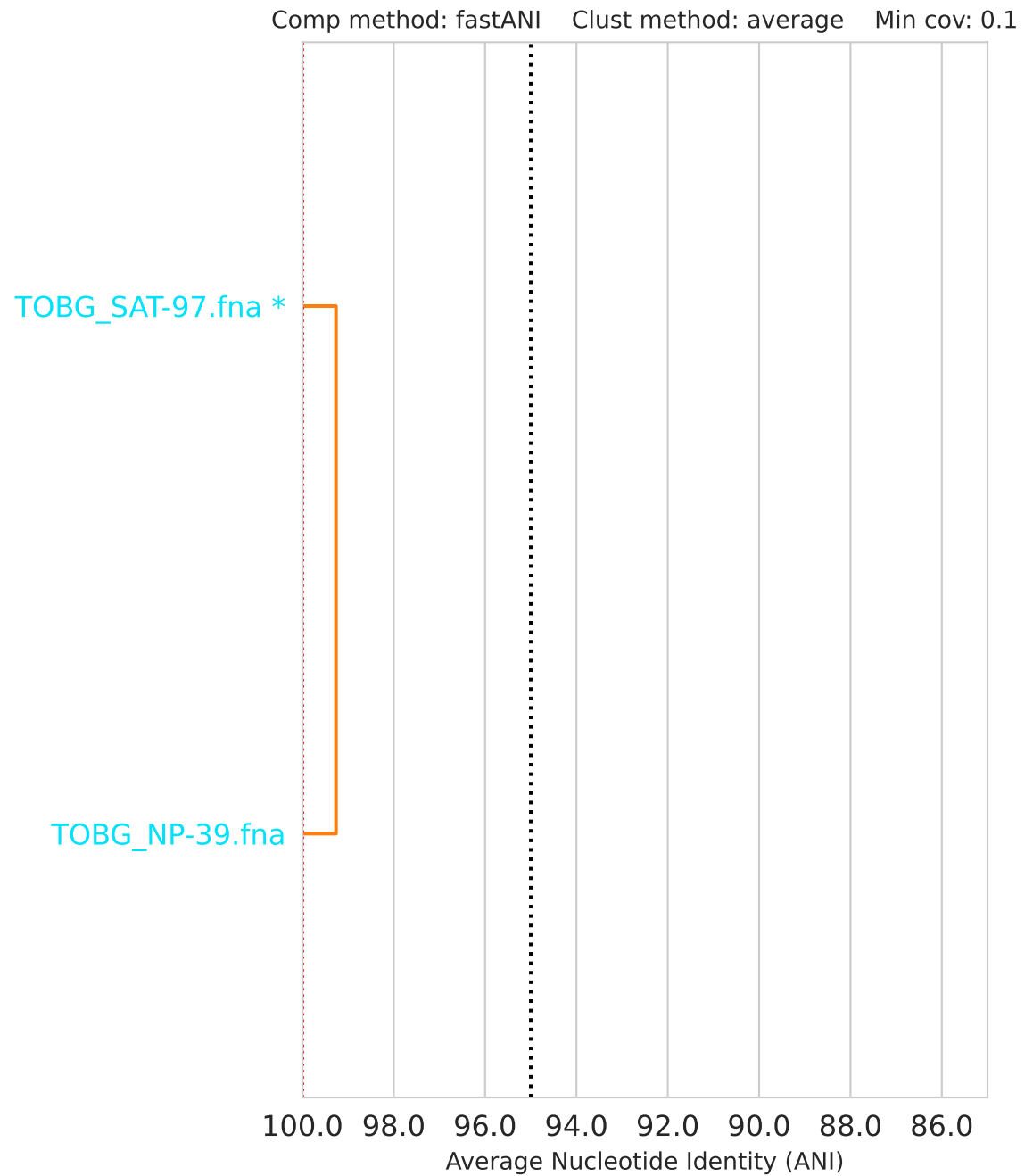
Primary cluster 323



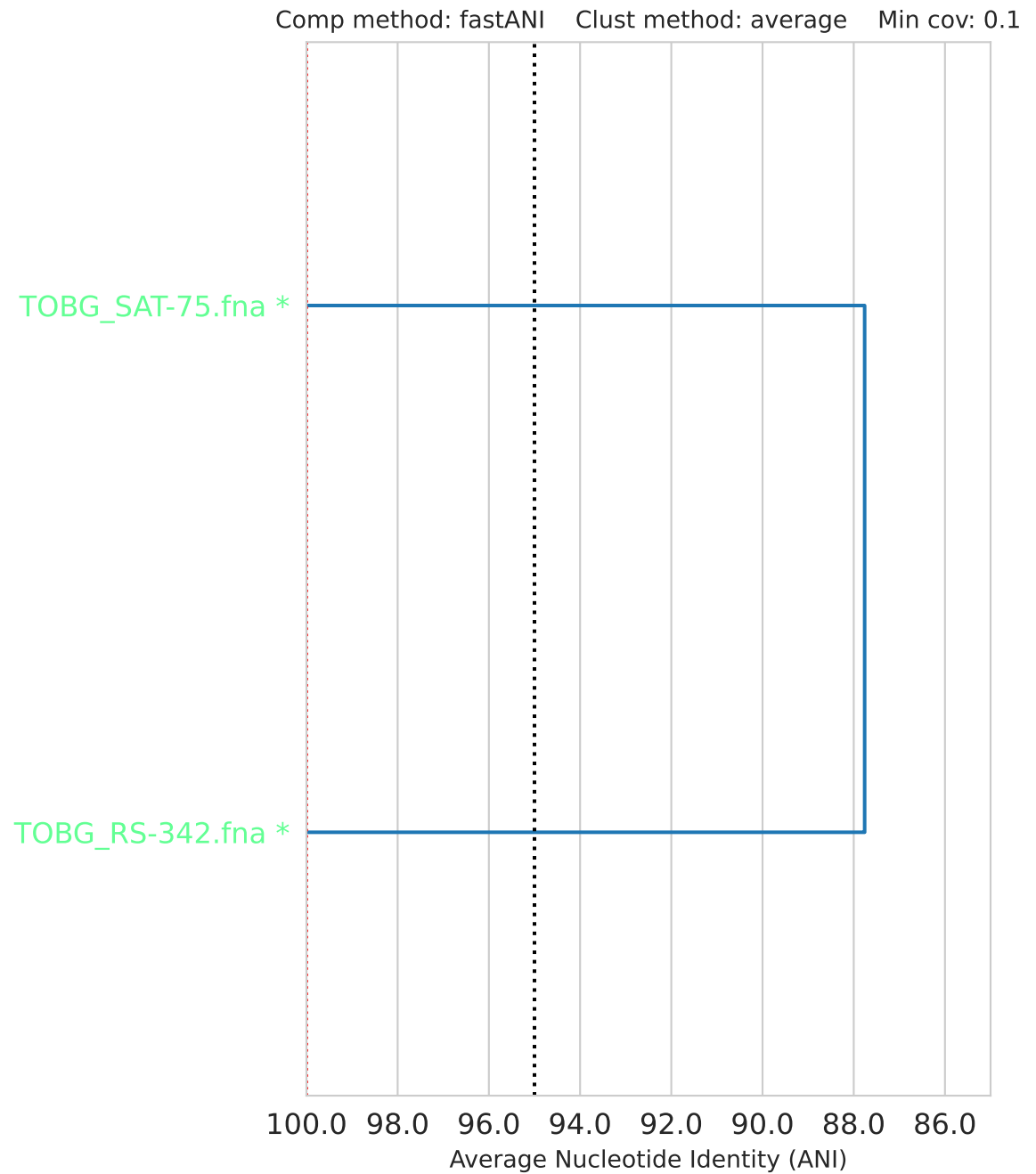
Primary cluster 328



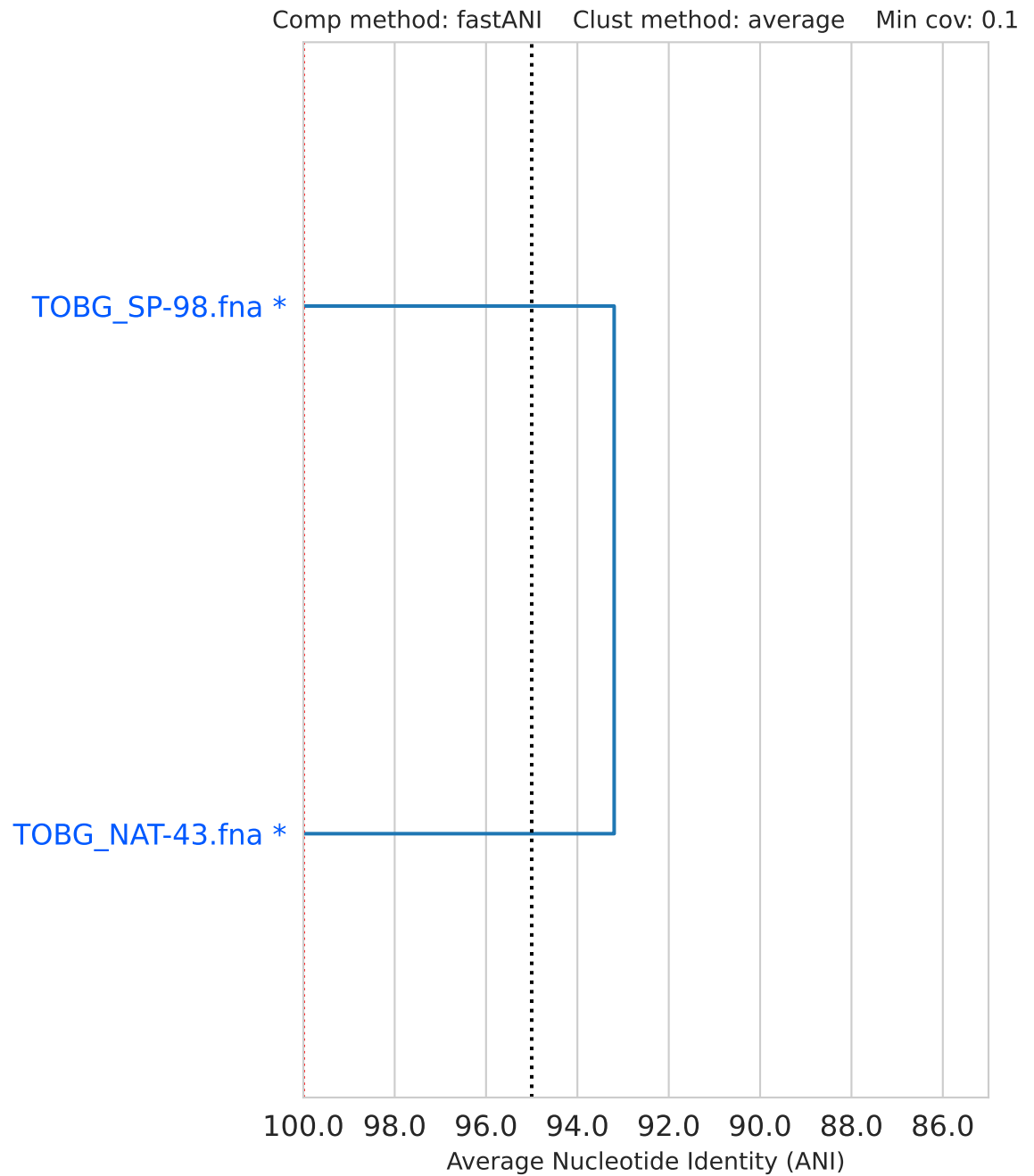
Primary cluster 330



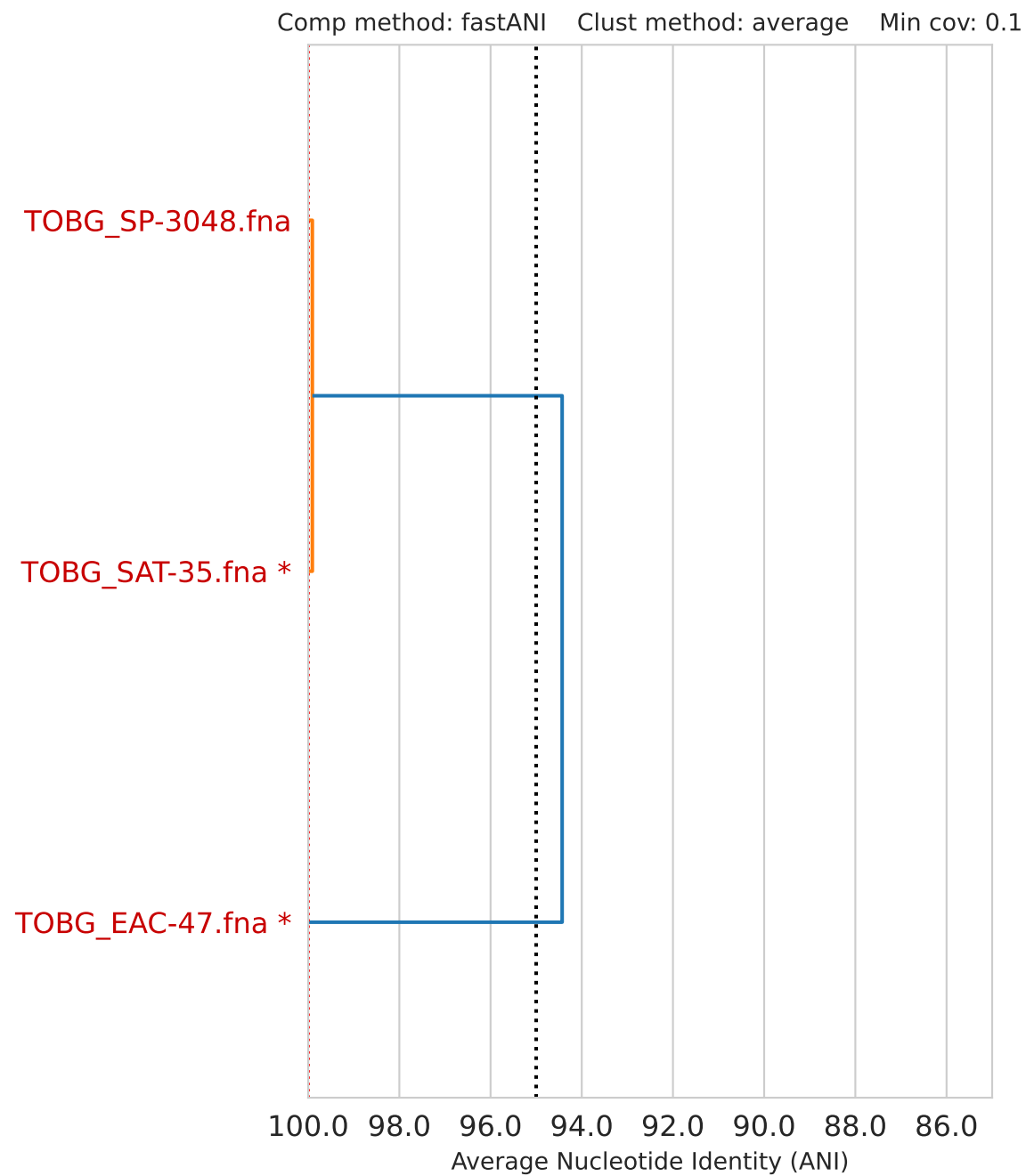
Primary cluster 334



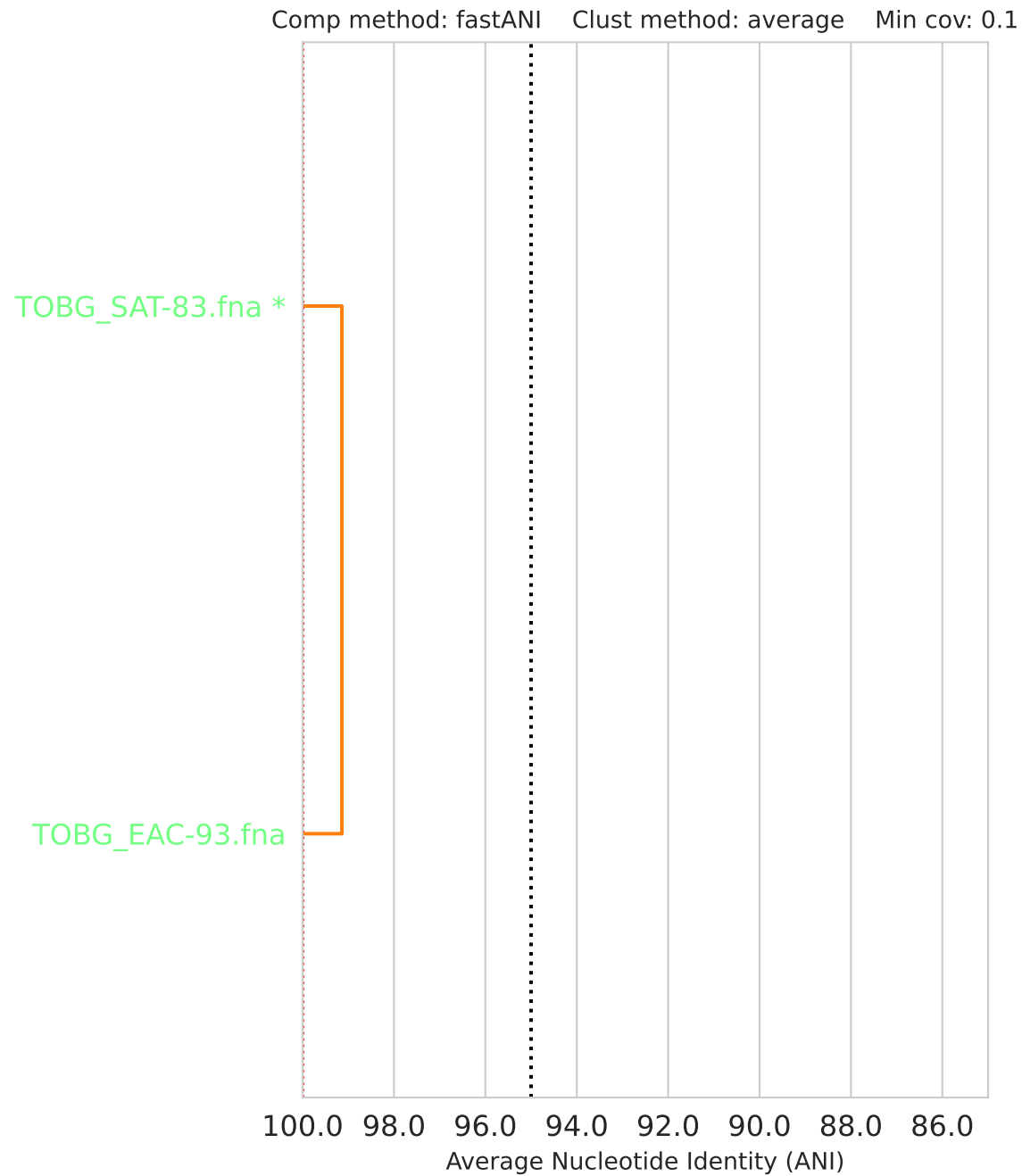
Primary cluster 339



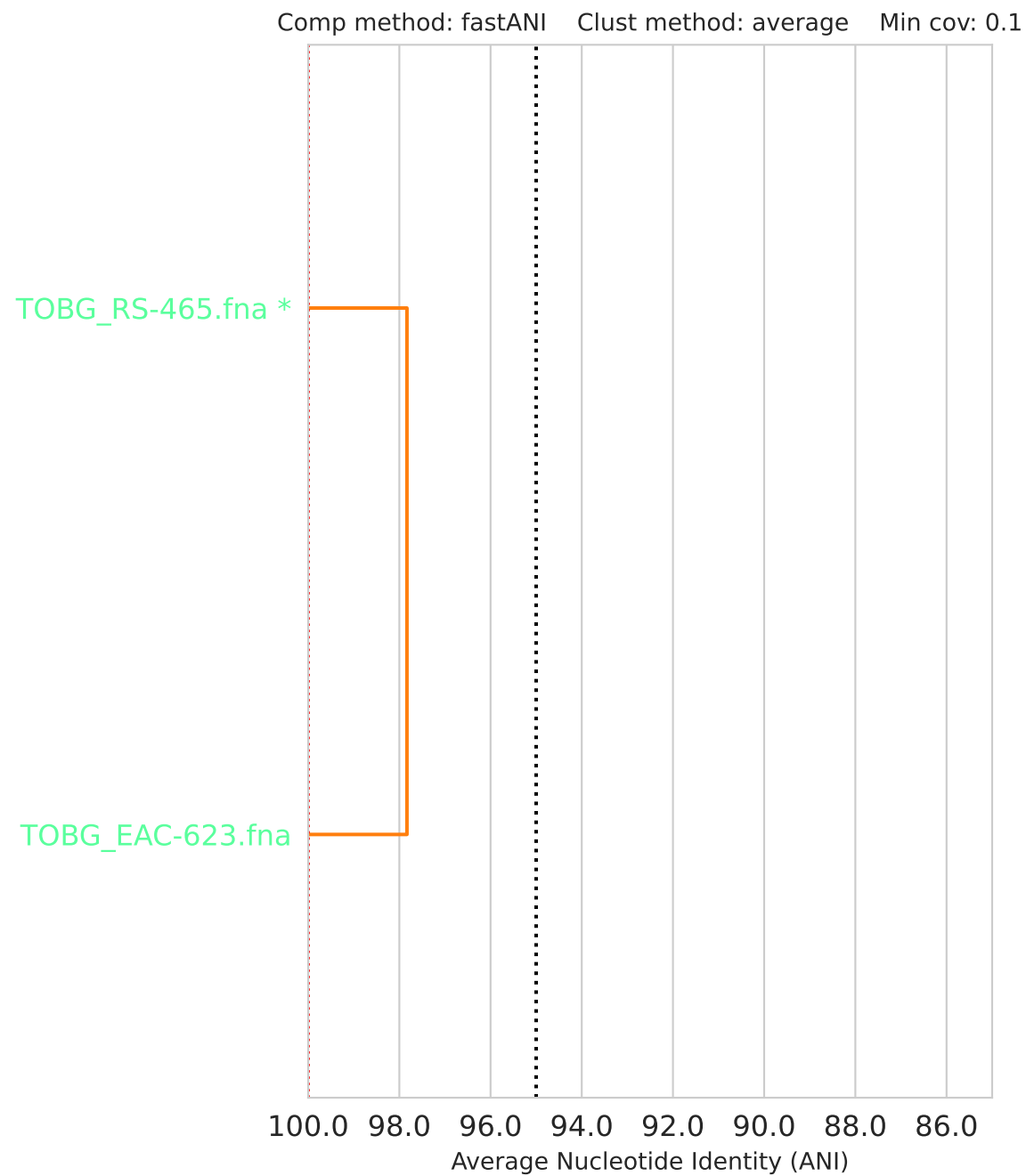
Primary cluster 340



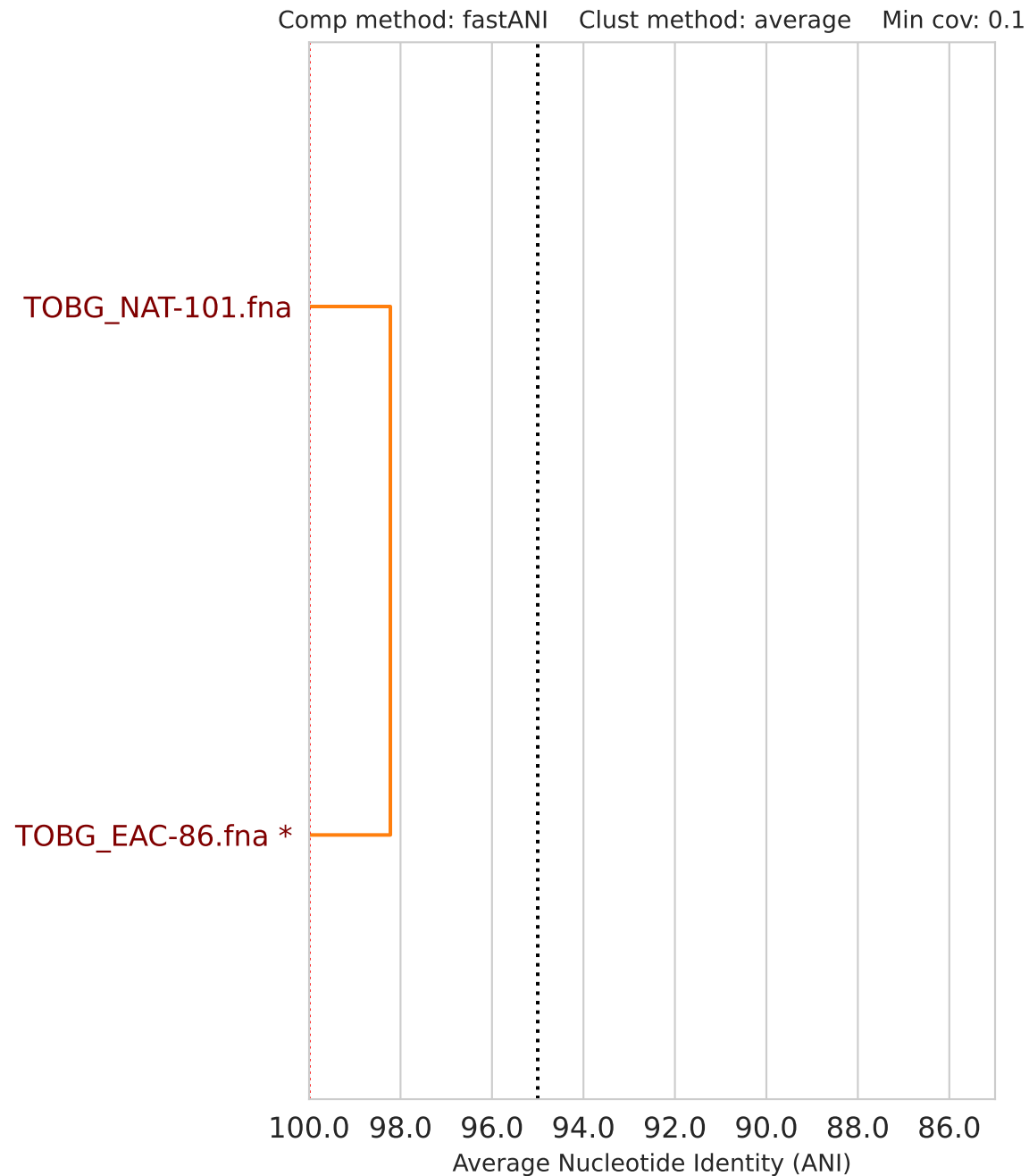
Primary cluster 345



Primary cluster 352



Primary cluster 353



Primary cluster 354

Comp method: fastANI

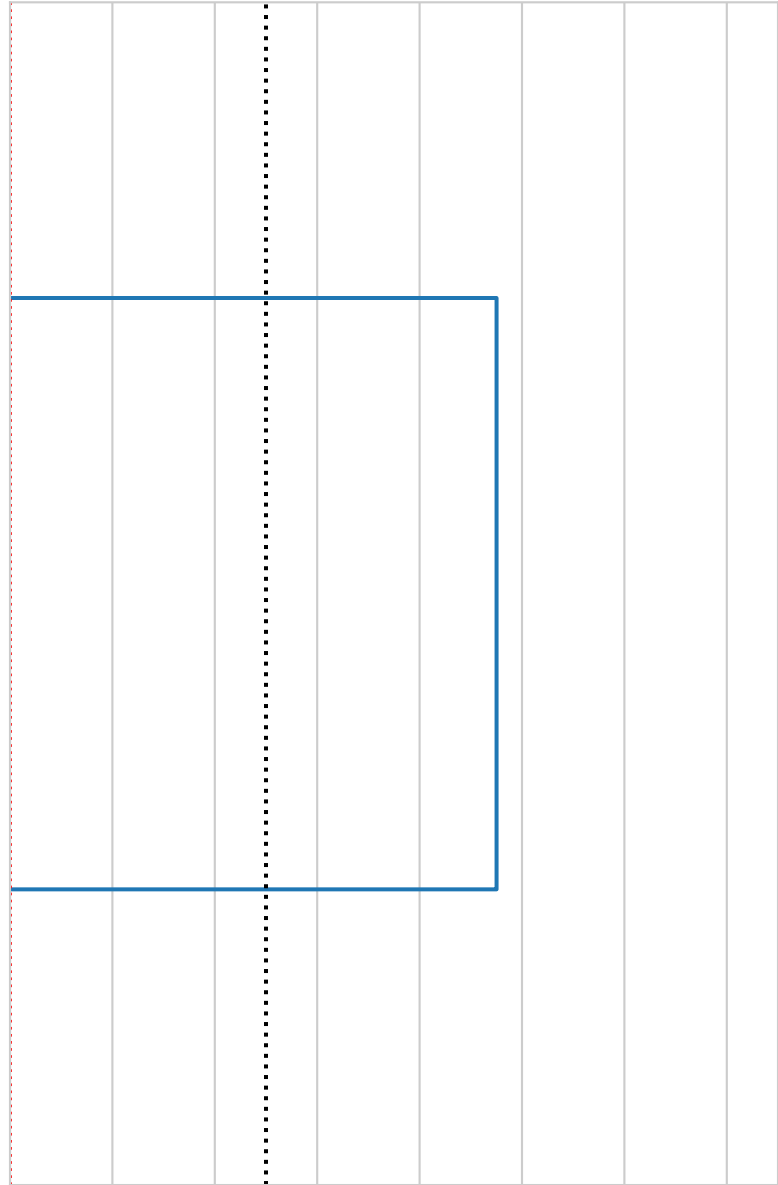
Clust method: average

Min cov: 0.1

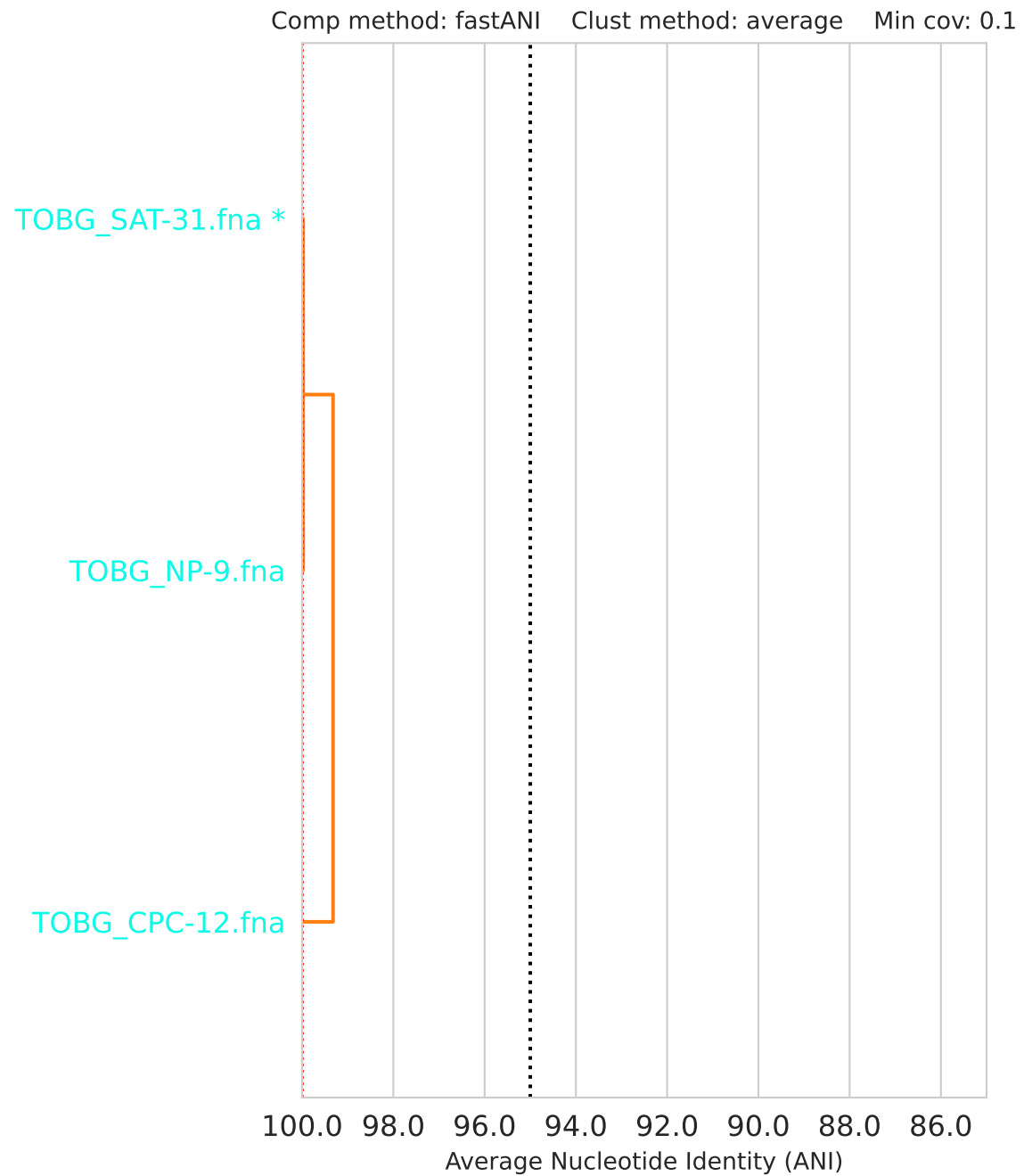
TOBG_CPC-316.fna *

TOBG_ARS-1012.fna *

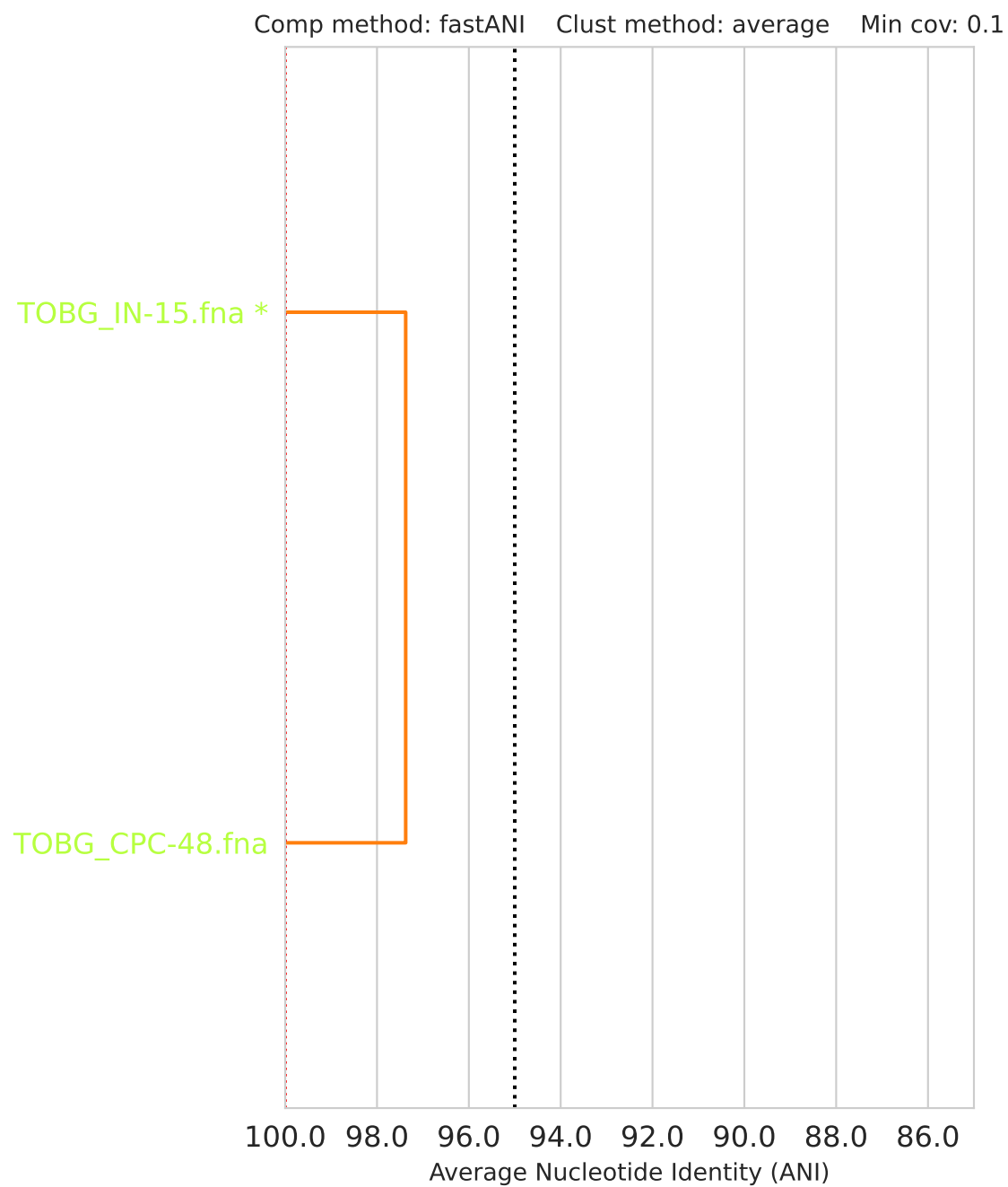
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



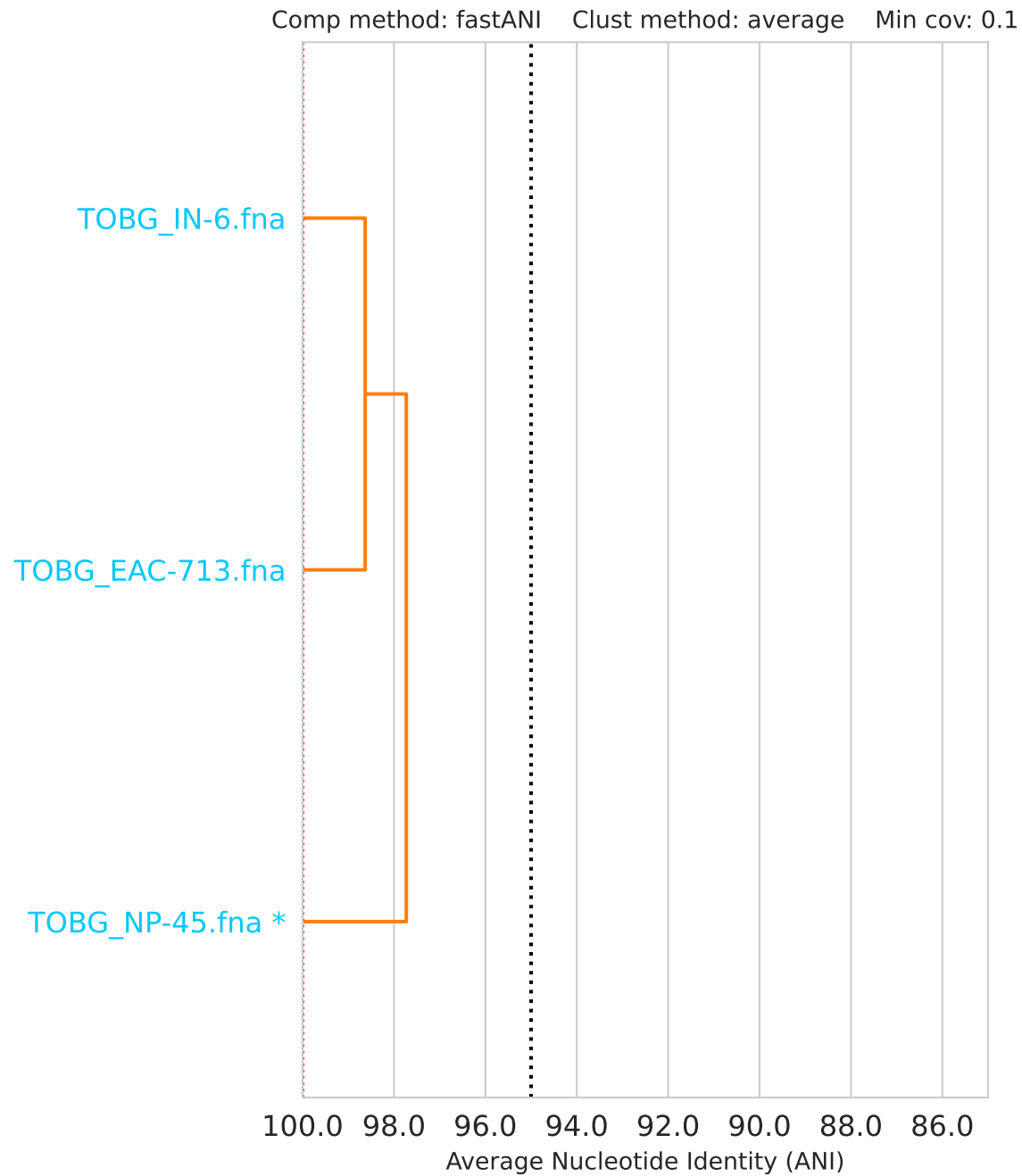
Primary cluster 357



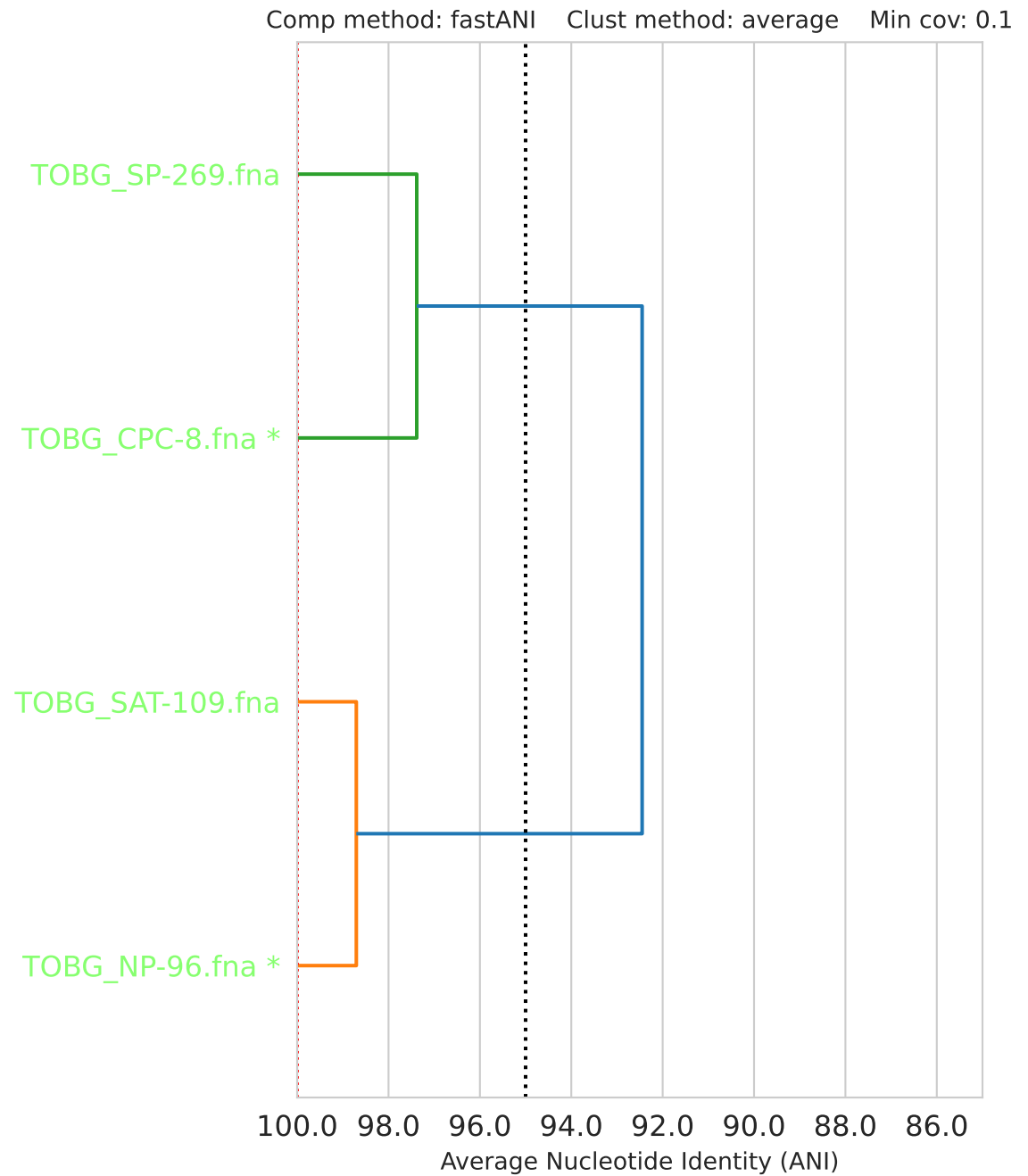
Primary cluster 361



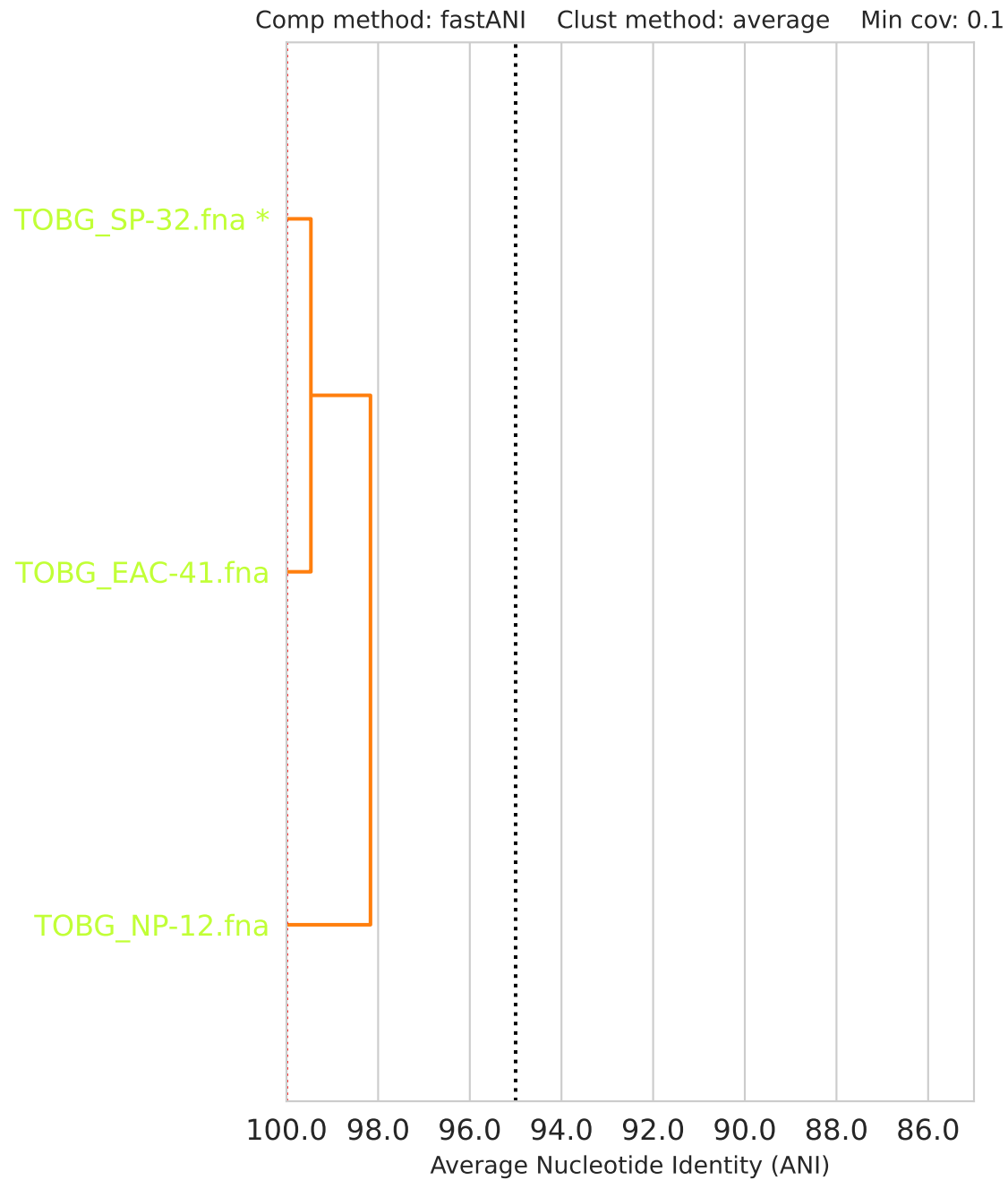
Primary cluster 363



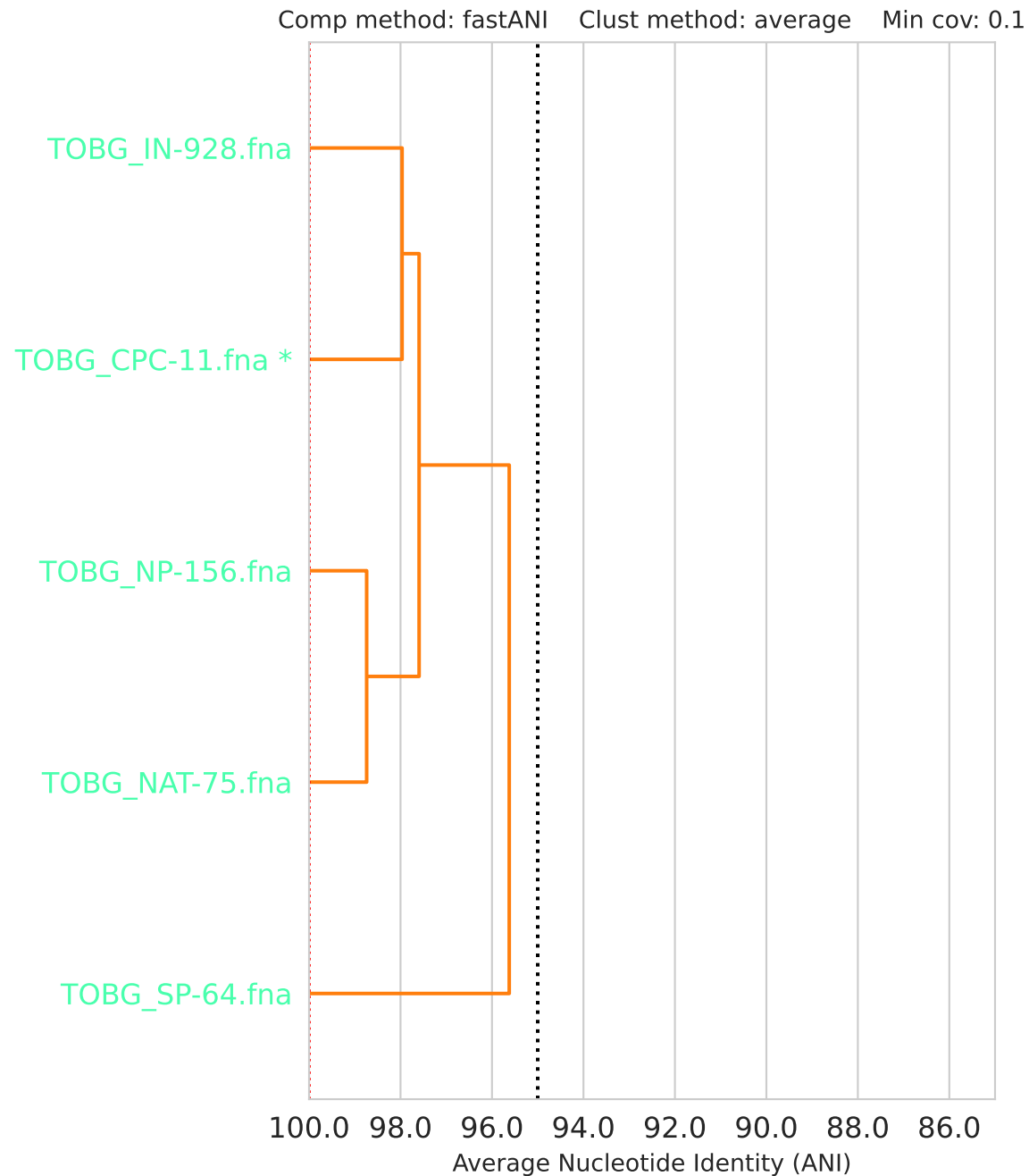
Primary cluster 364



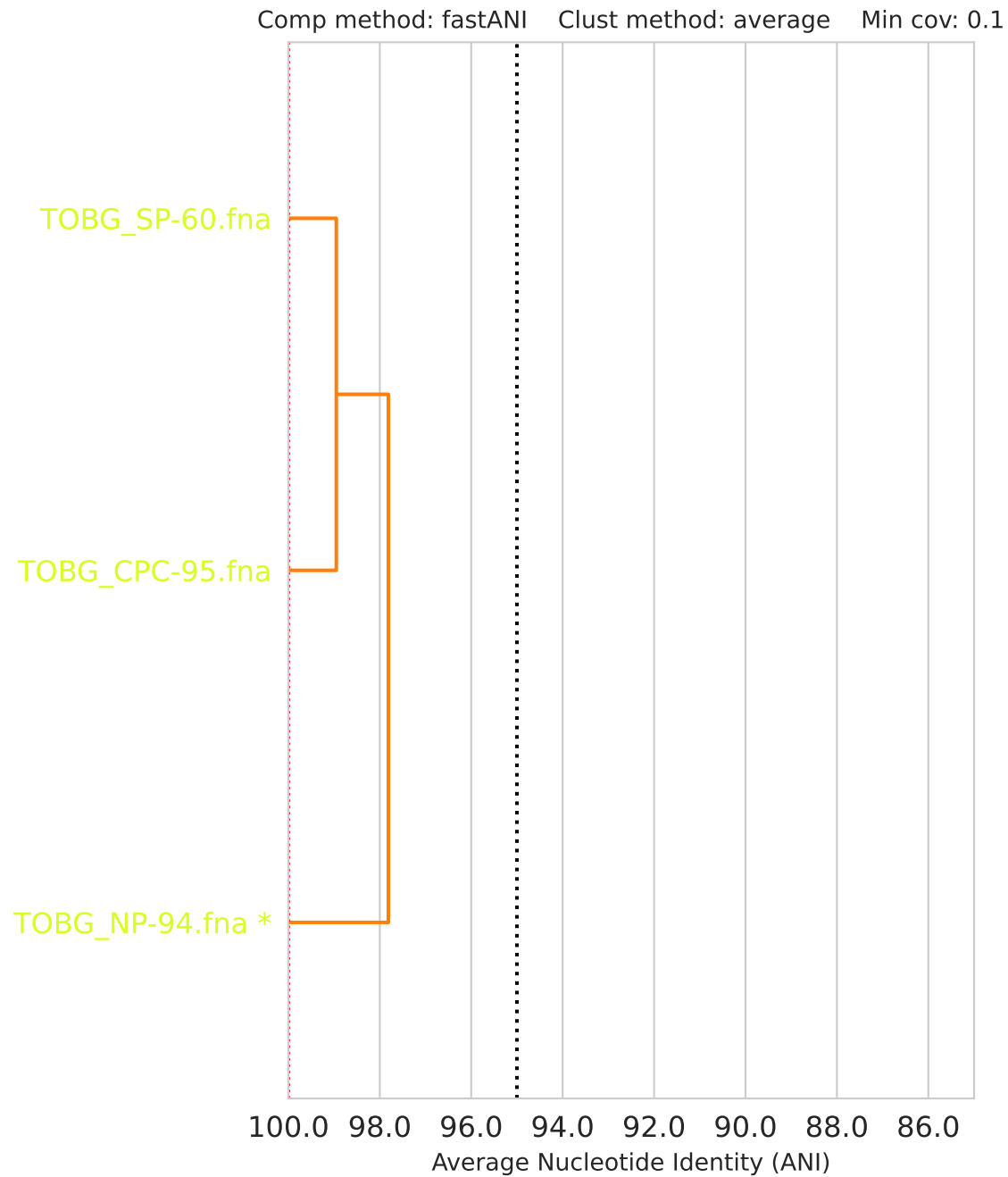
Primary cluster 366



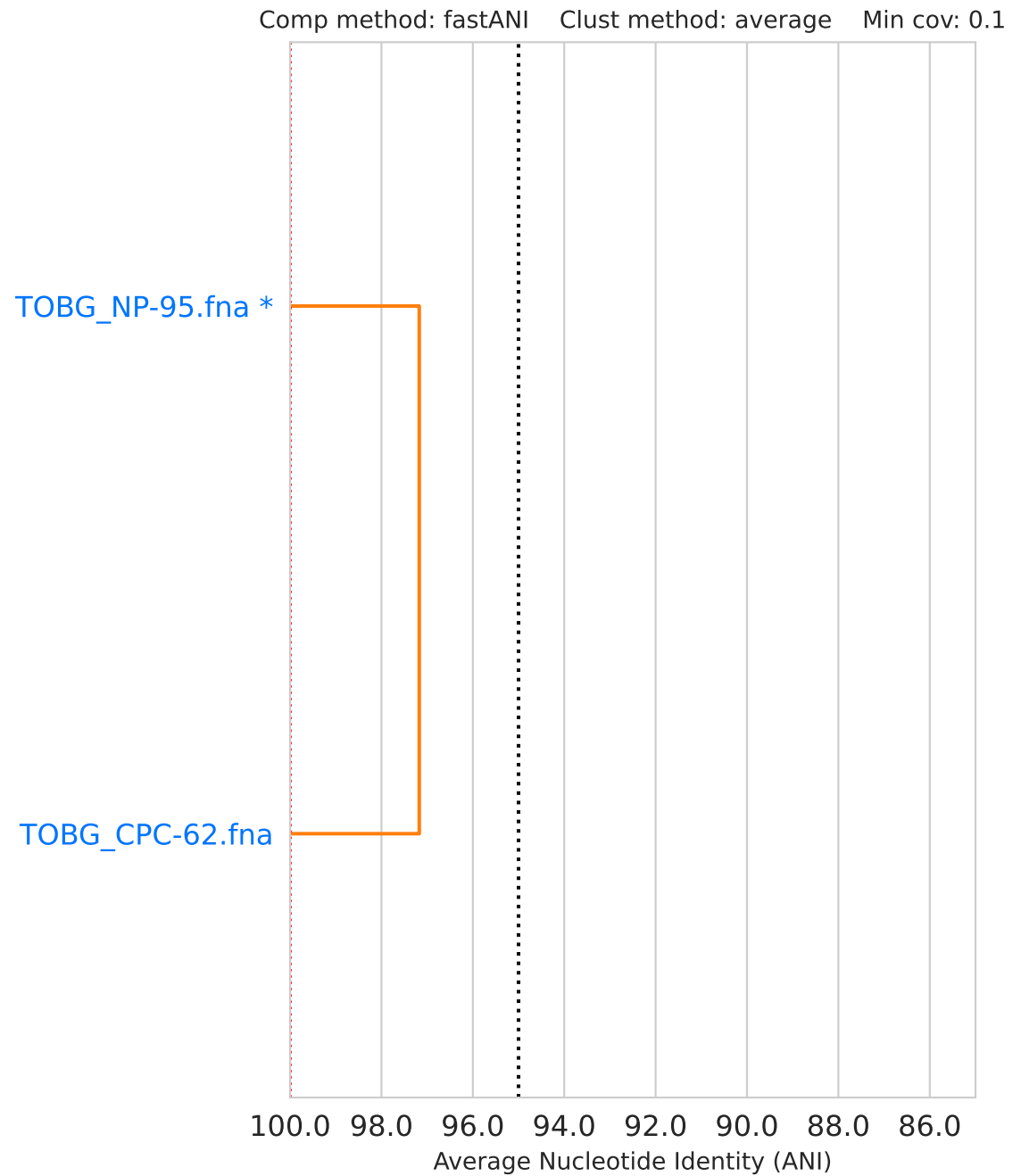
Primary cluster 367



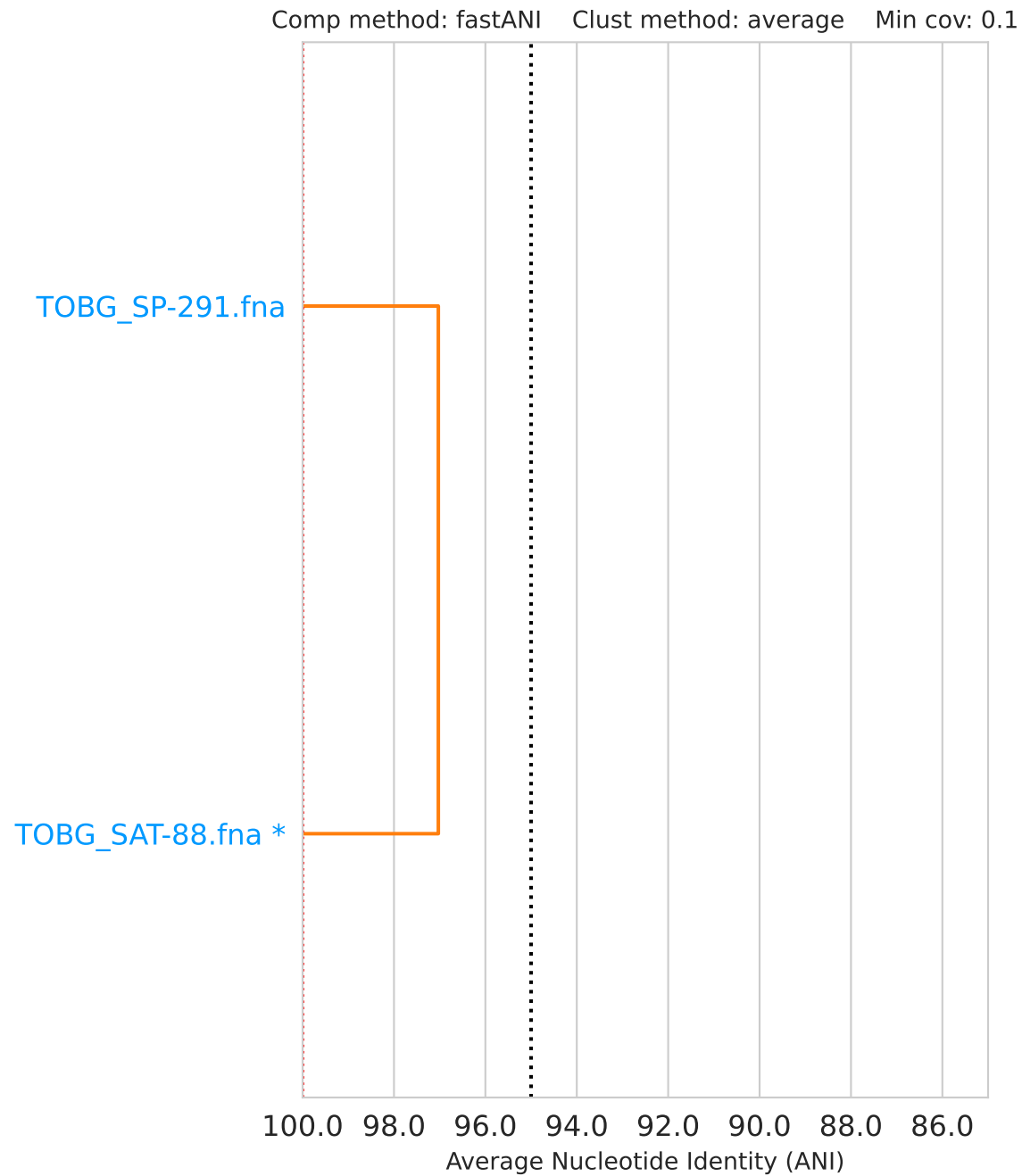
Primary cluster 368



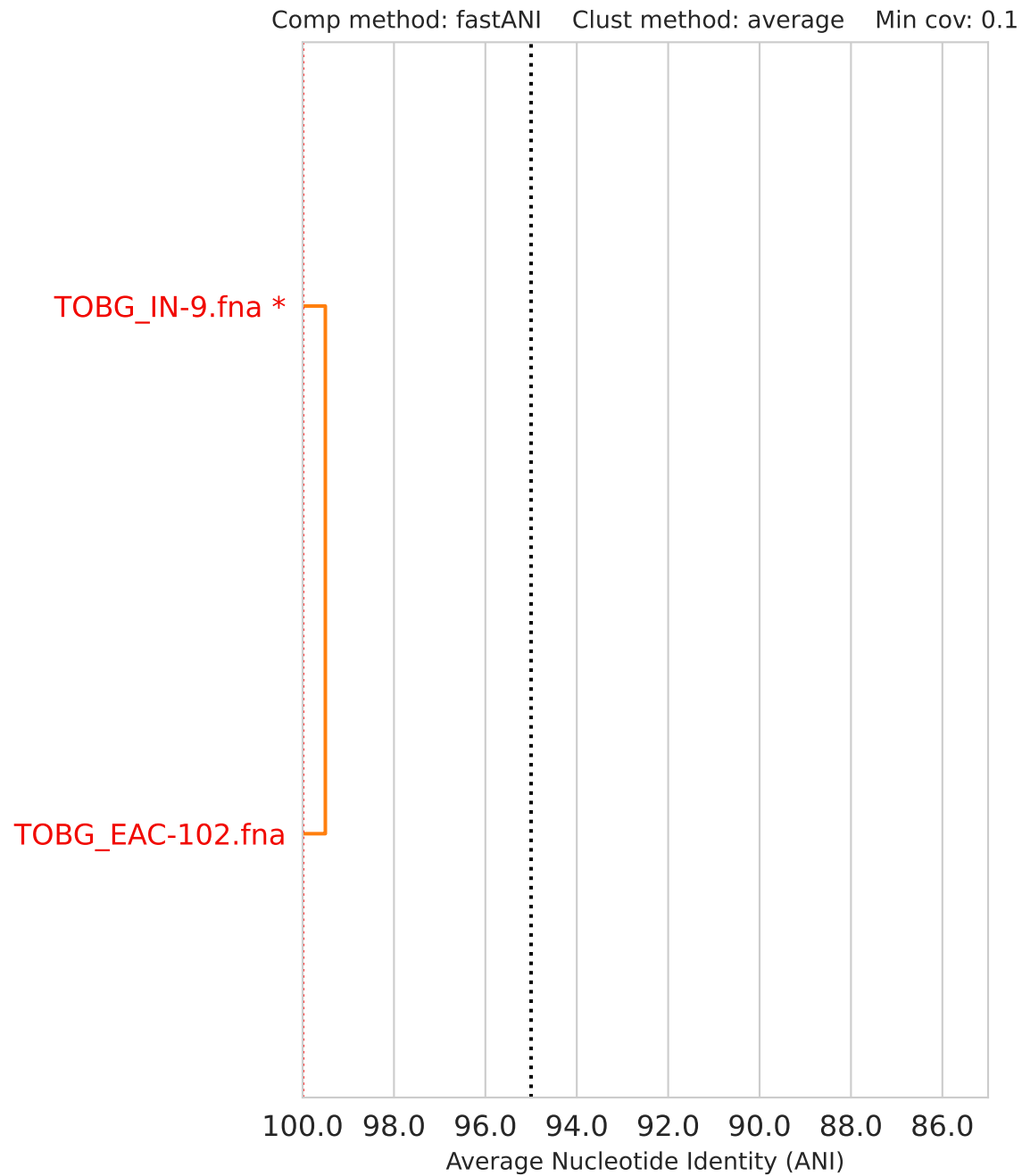
Primary cluster 374



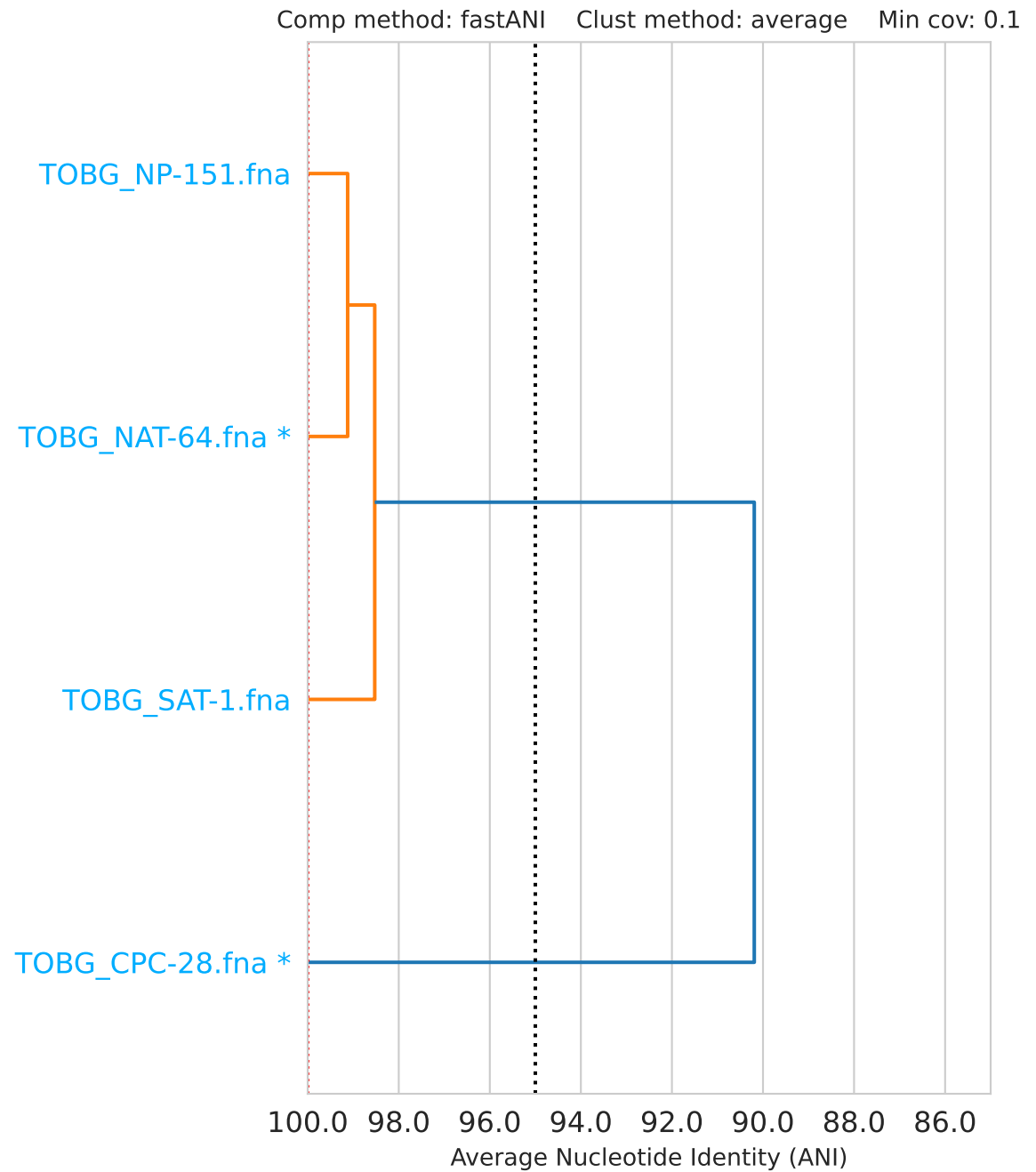
Primary cluster 375



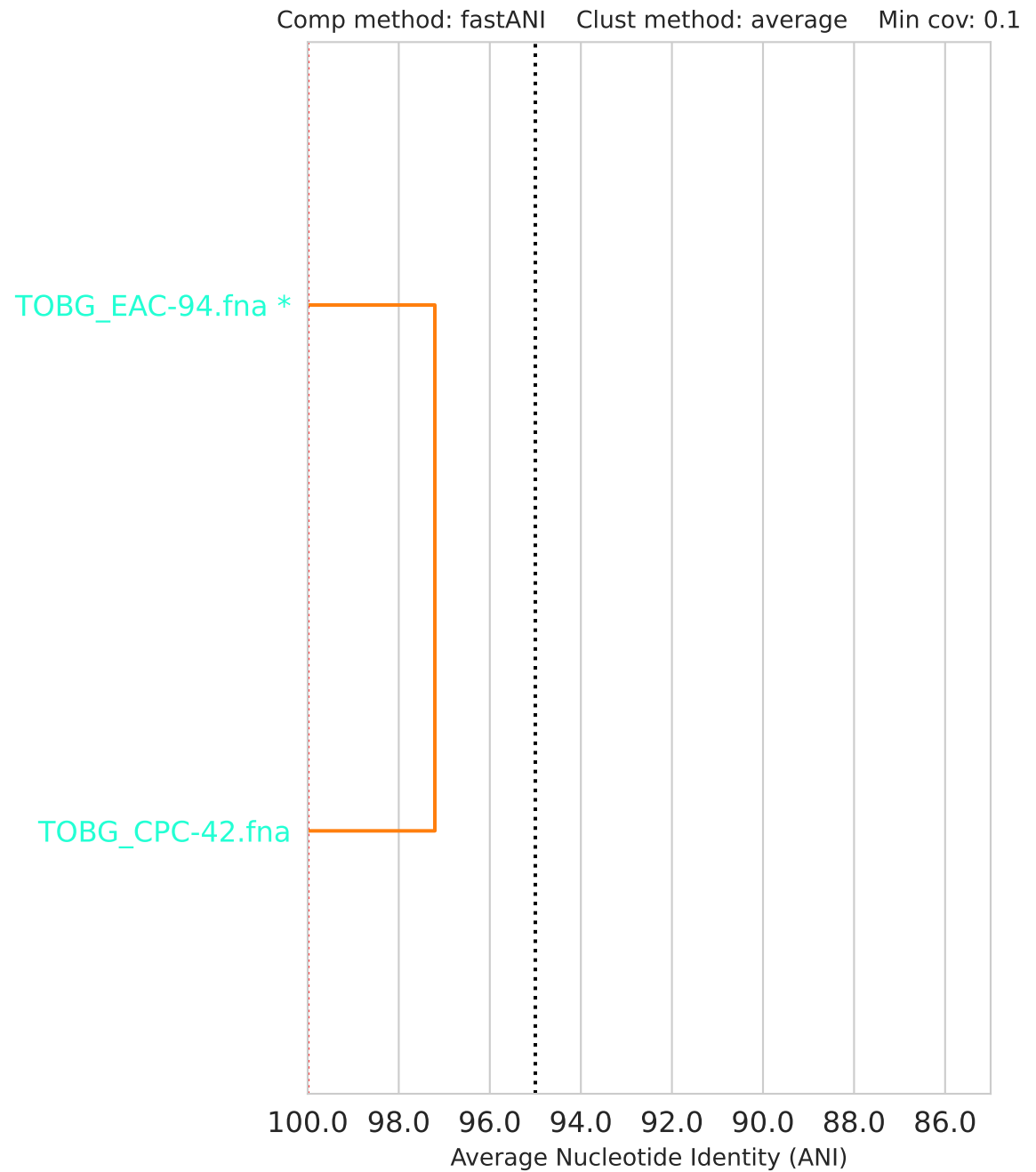
Primary cluster 382



Primary cluster 383



Primary cluster 385



Primary cluster 391

Comp method: fastANI

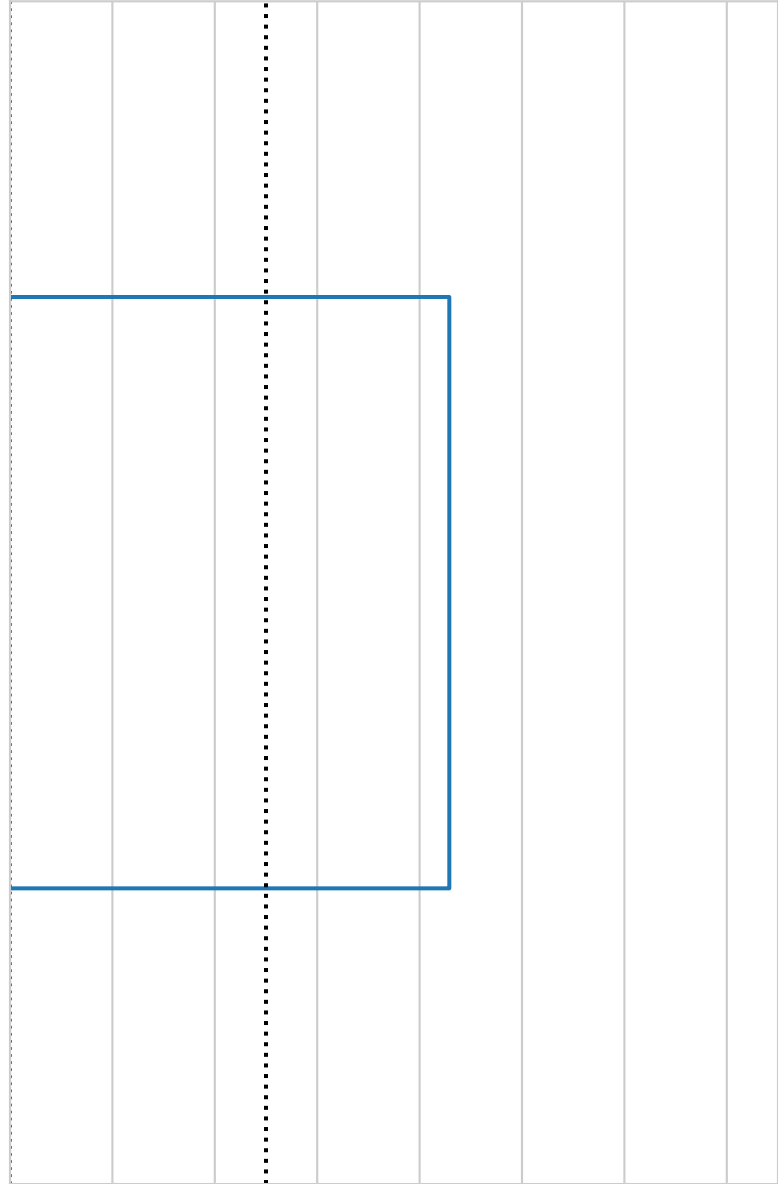
Clust method: average

Min cov: 0.1

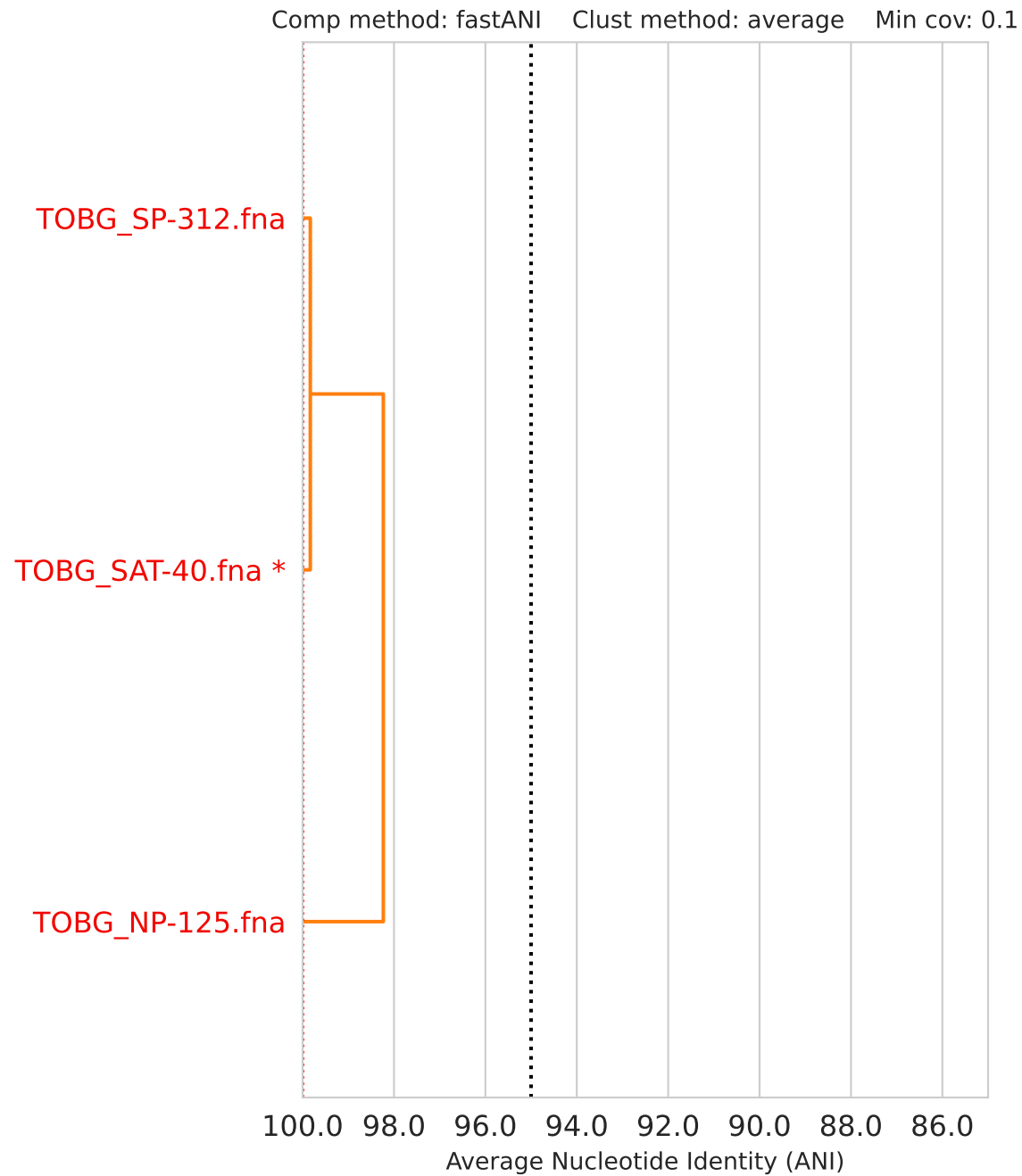
TOBG_NP-51.fna *

TOBG_MED-581.fna *

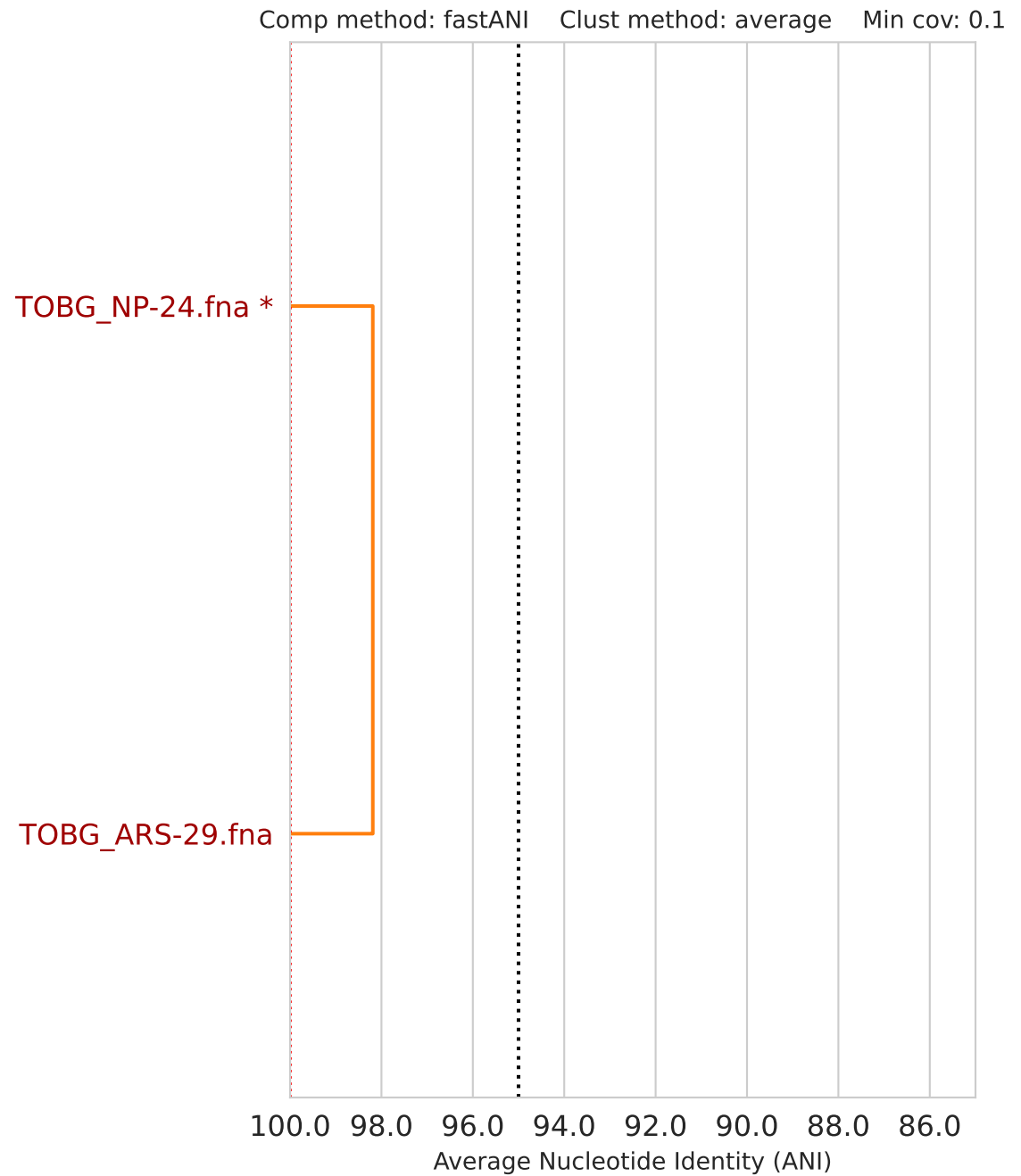
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 398



Primary cluster 400



Primary cluster 404

Comp method: fastANI

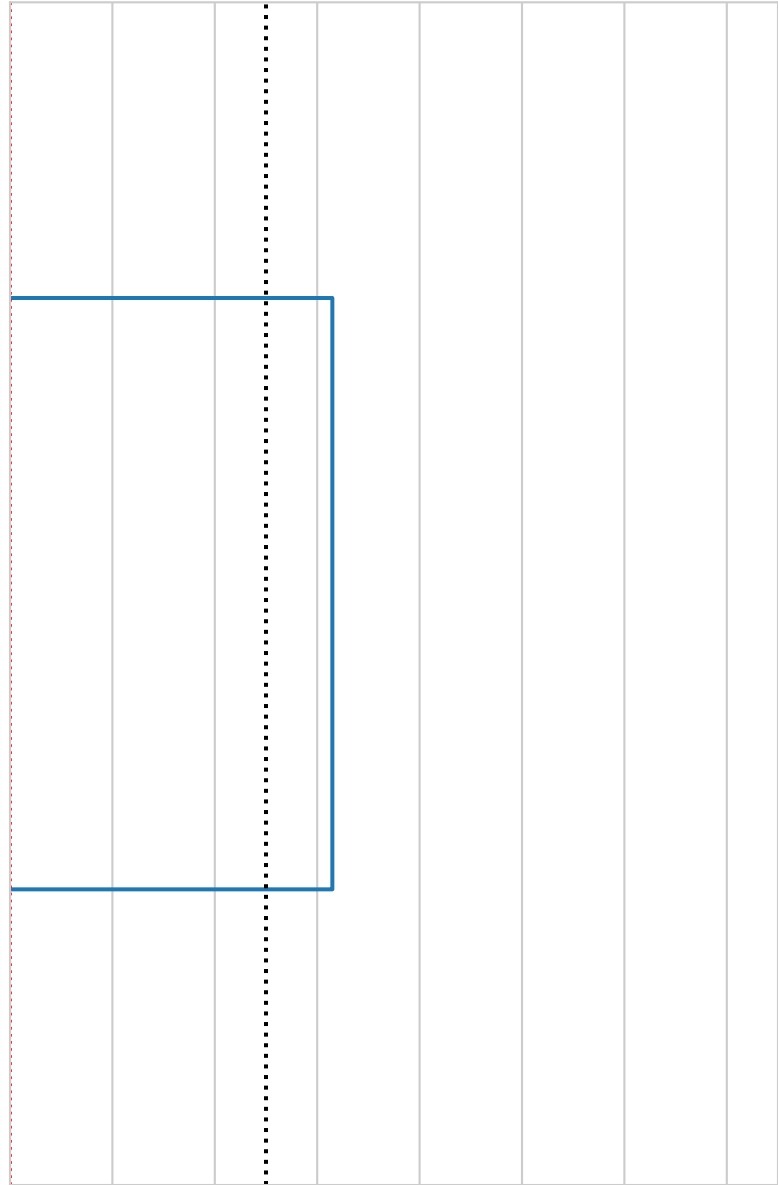
Clust method: average

Min cov: 0.1

TOBG_SP-3103.fna *

TOBG_SAT-1609.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 408

Comp method: fastANI

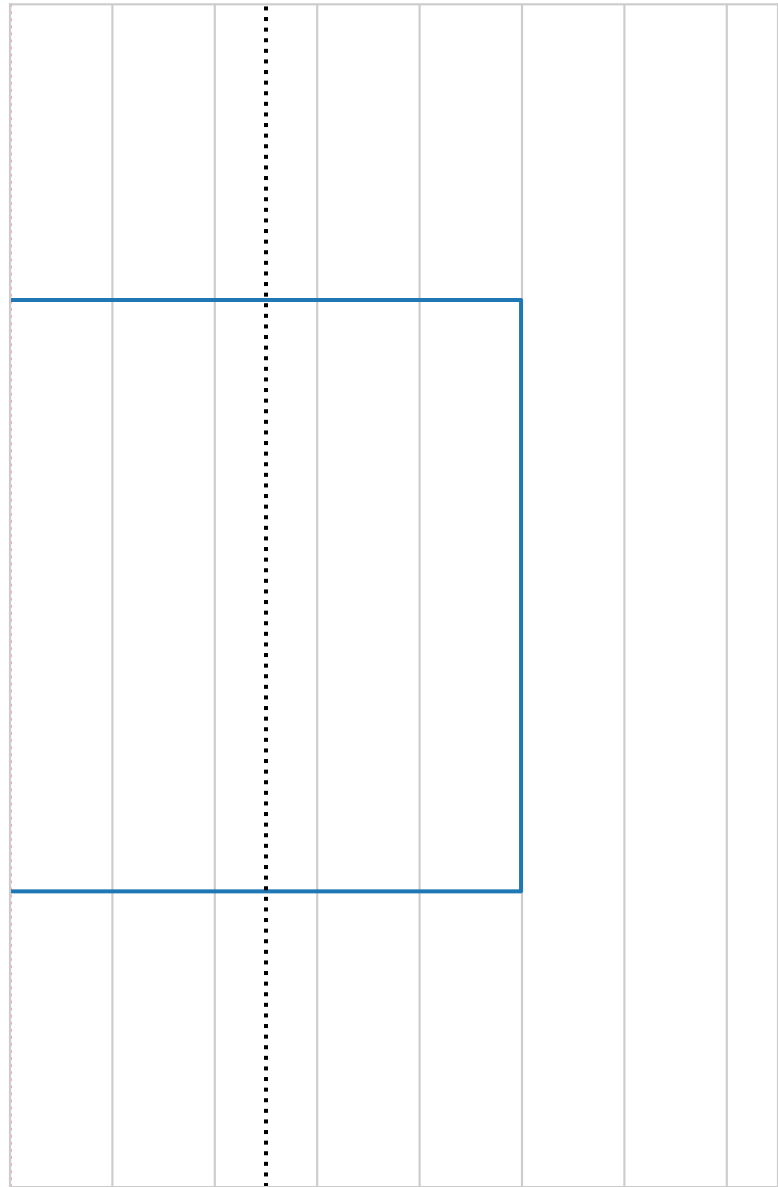
Clust method: average

Min cov: 0.1

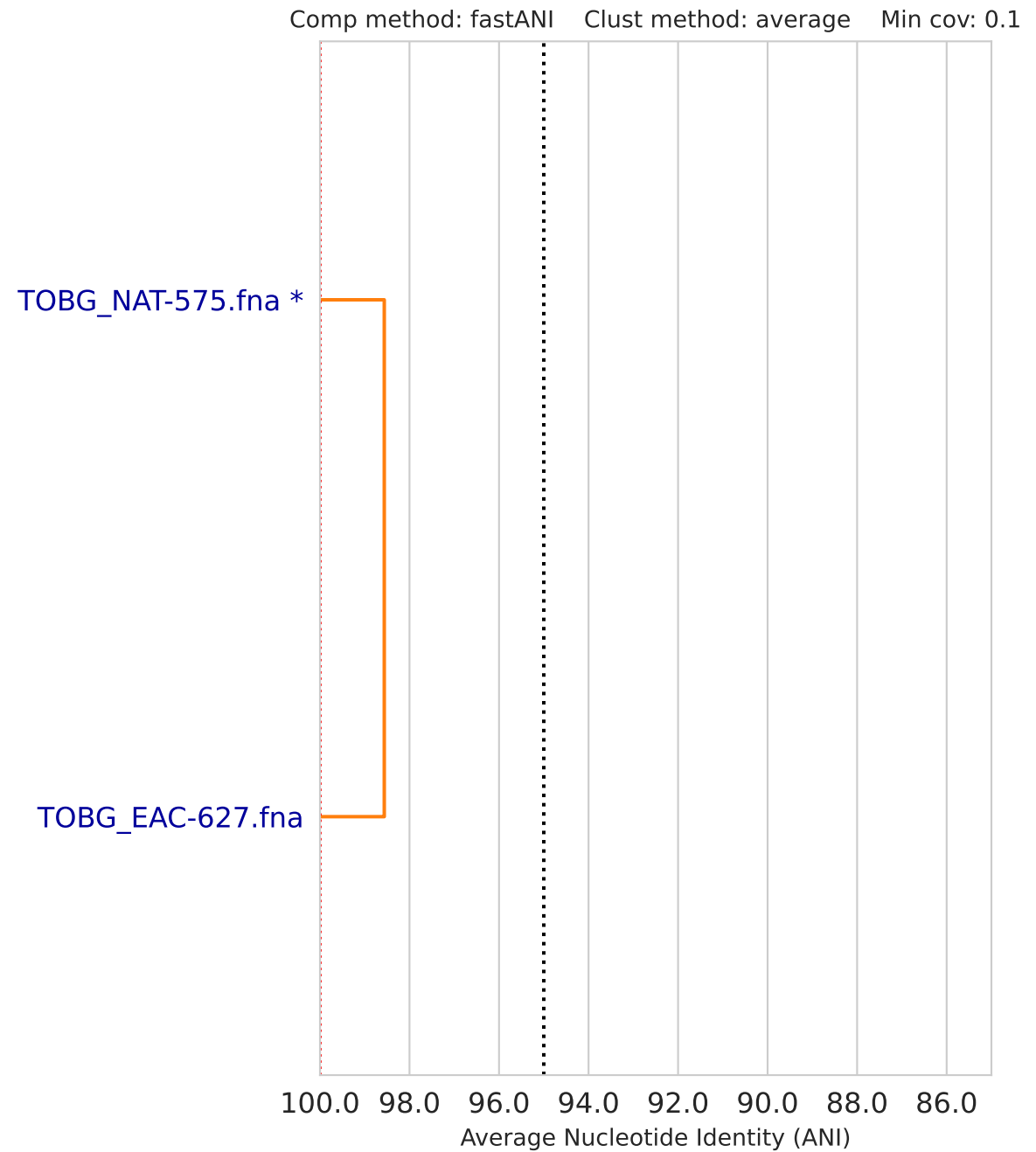
TOBG_SAT-1391.fna *

TOBG_SAT-1339.fna *

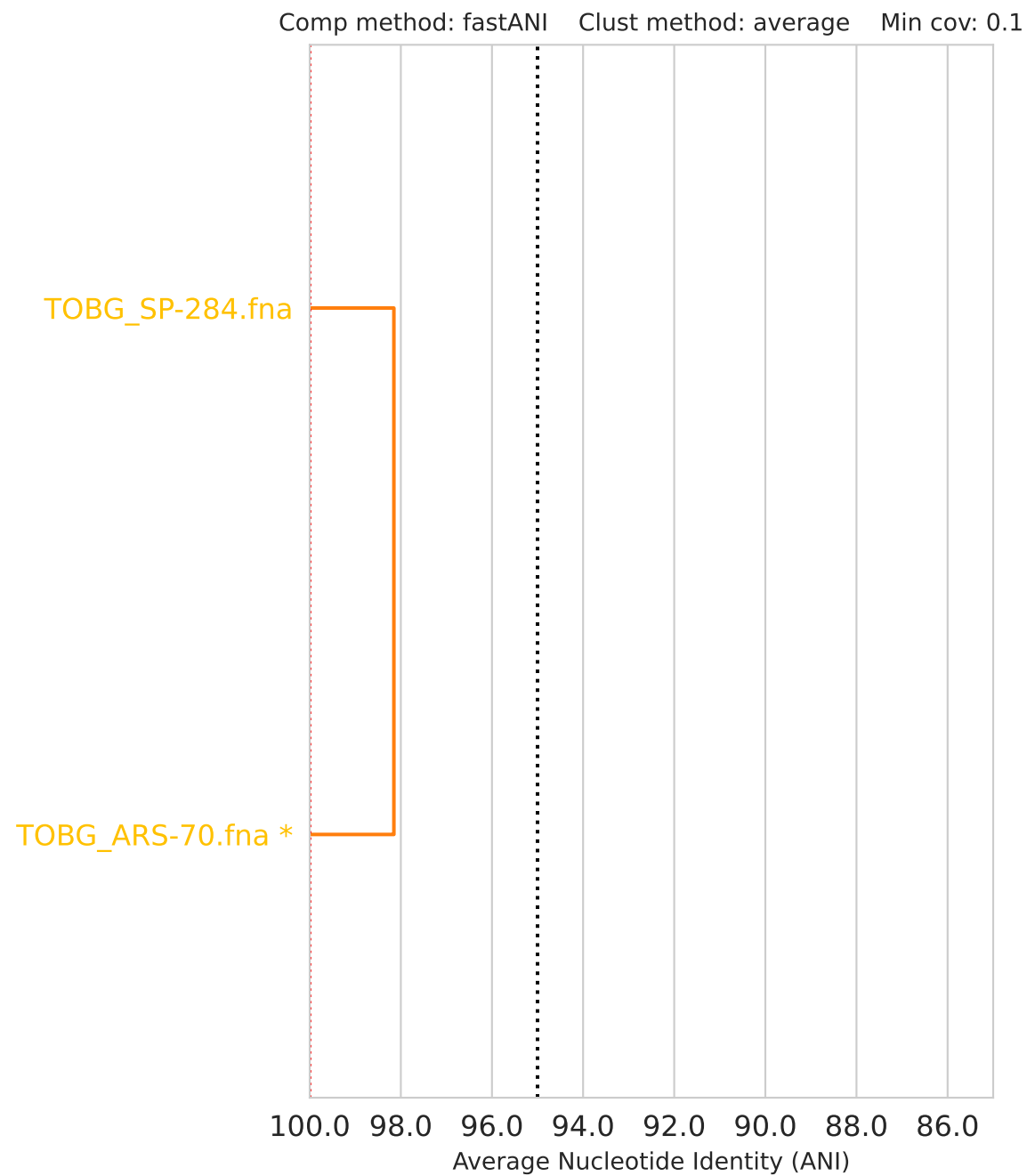
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



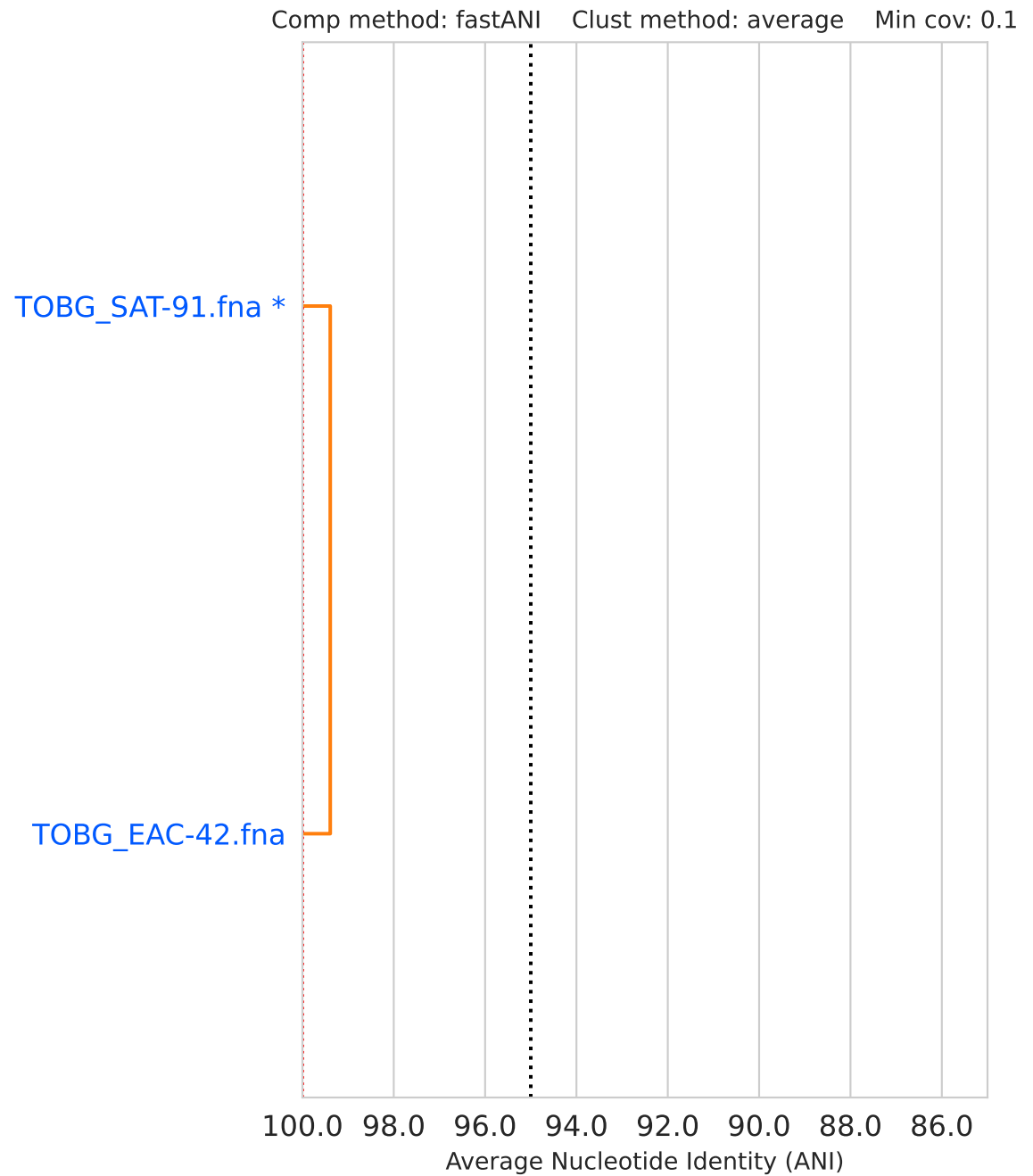
Primary cluster 410



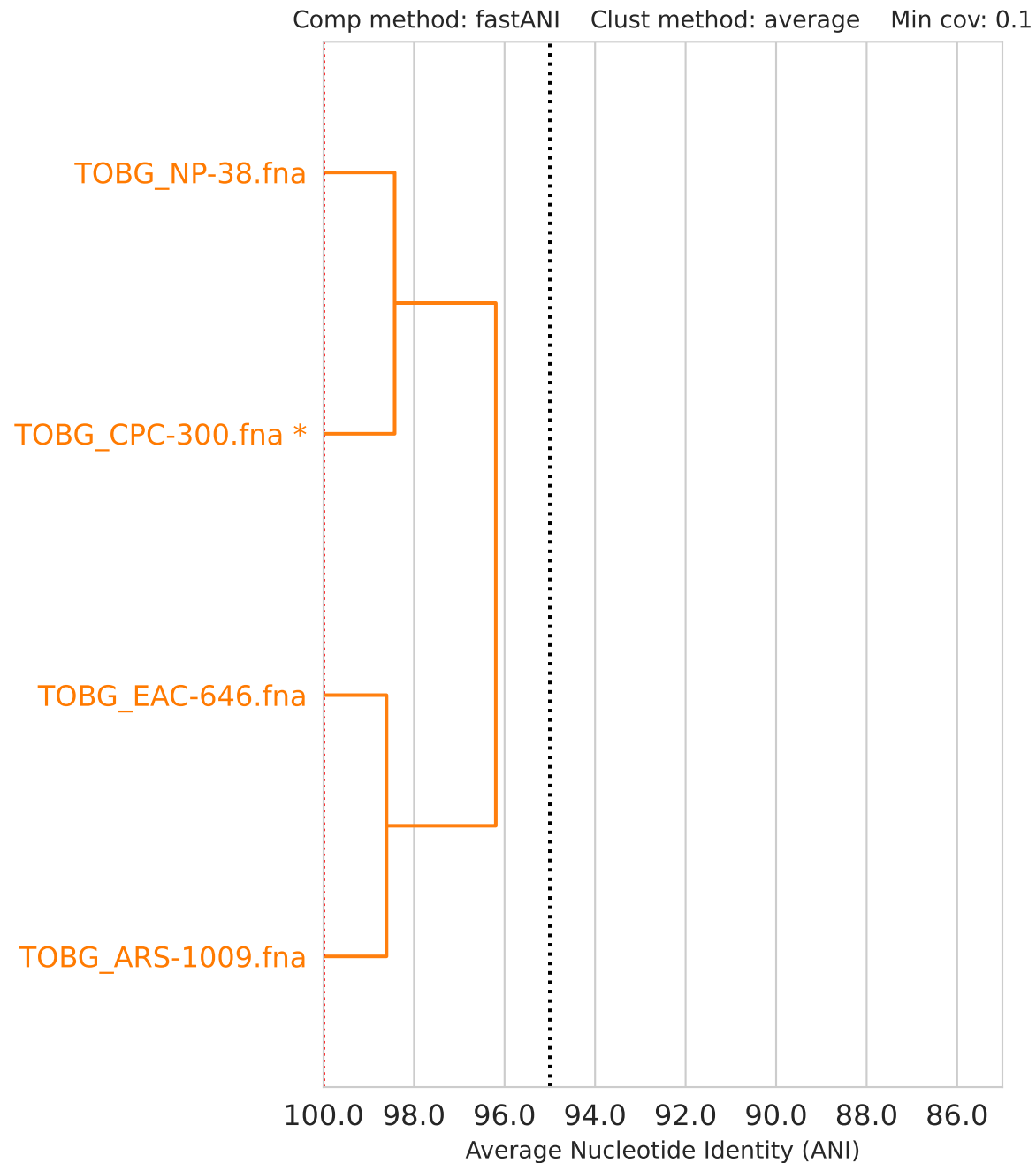
Primary cluster 411



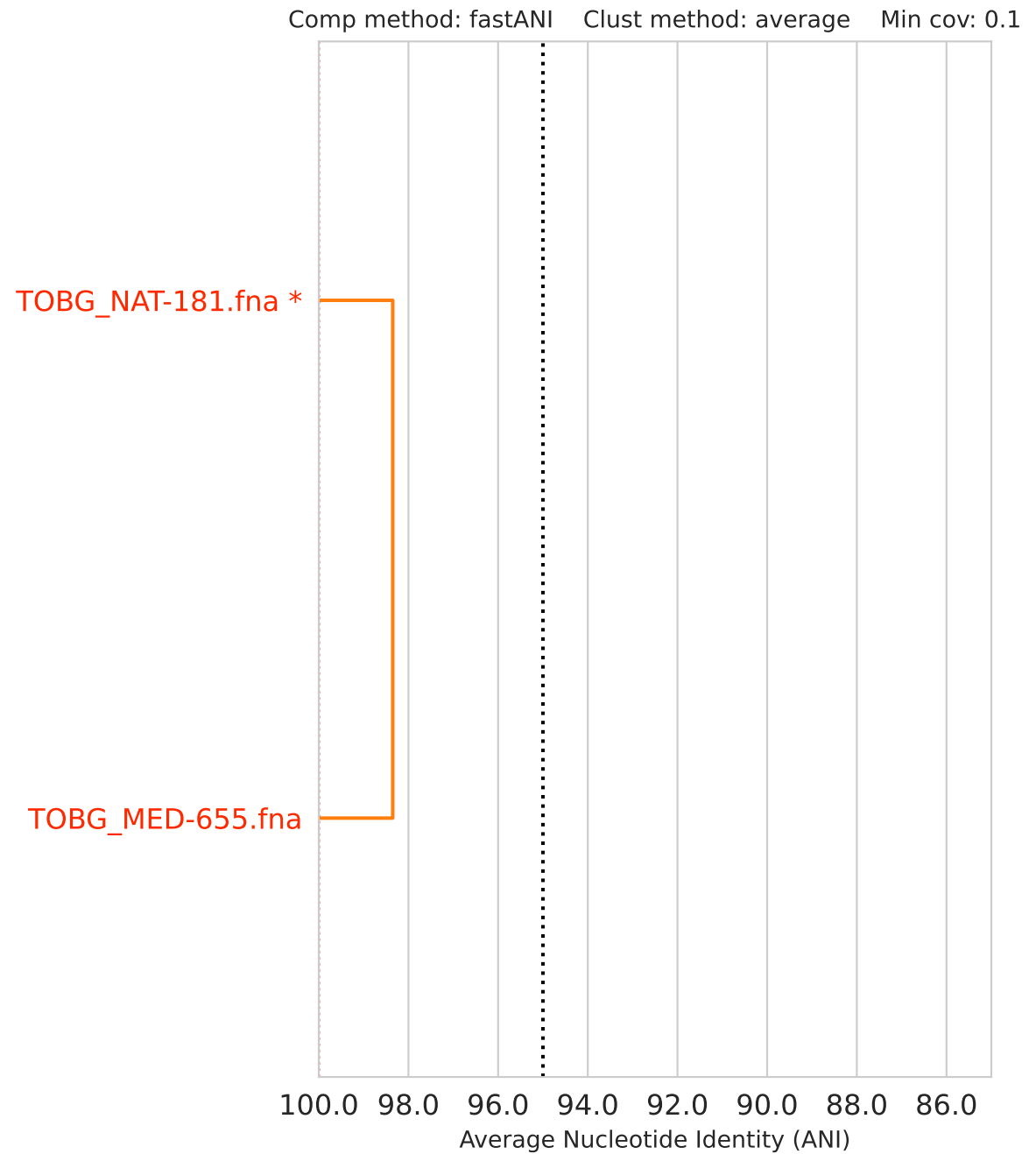
Primary cluster 415



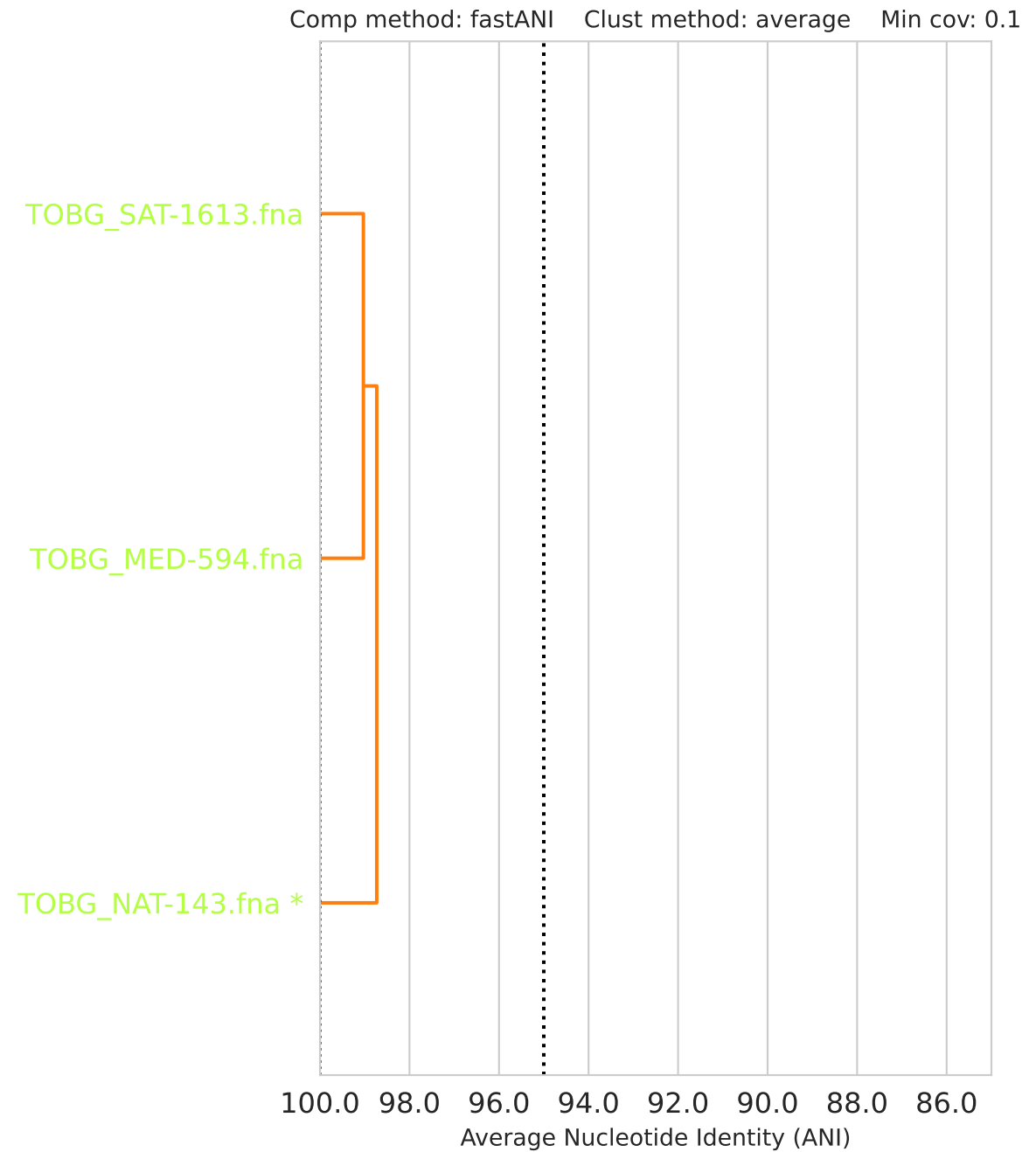
Primary cluster 418



Primary cluster 419



Primary cluster 432



Primary cluster 433

Comp method: fastANI

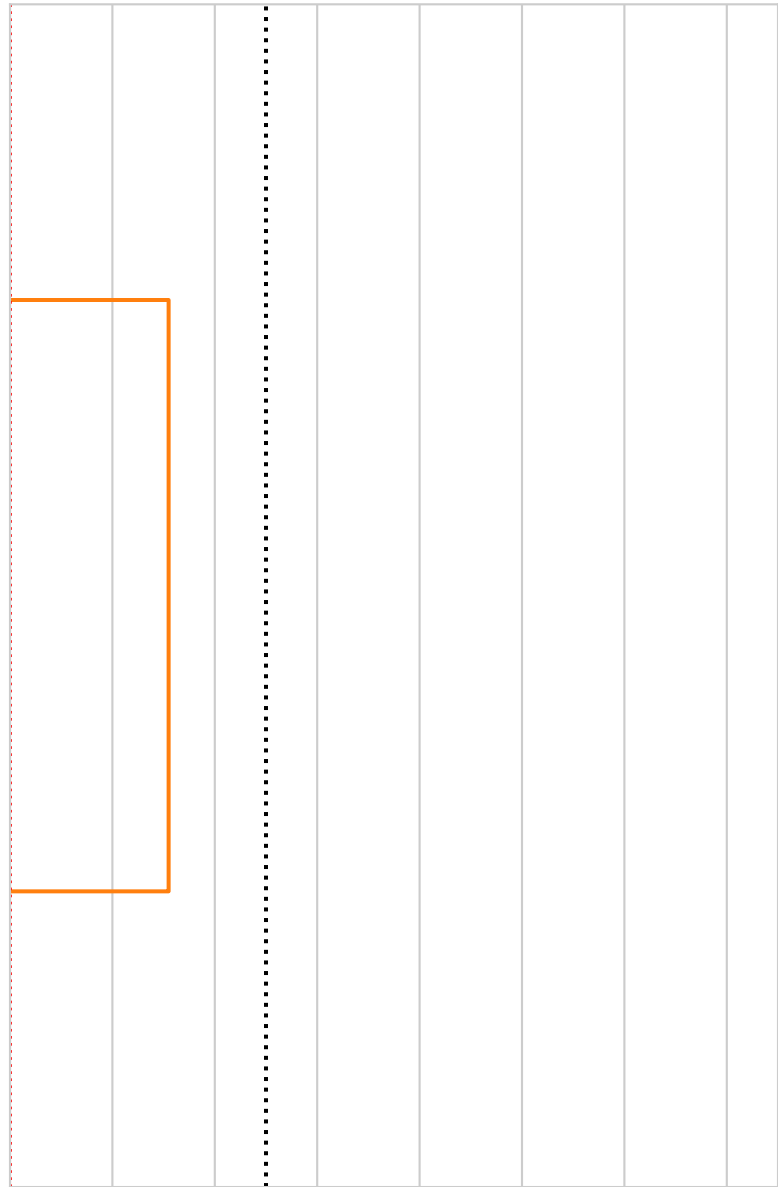
Clust method: average

Min cov: 0.1

TOBG_SAT-1346.fna

TOBG_MED-1269.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 434

Comp method: fastANI

Clust method: average

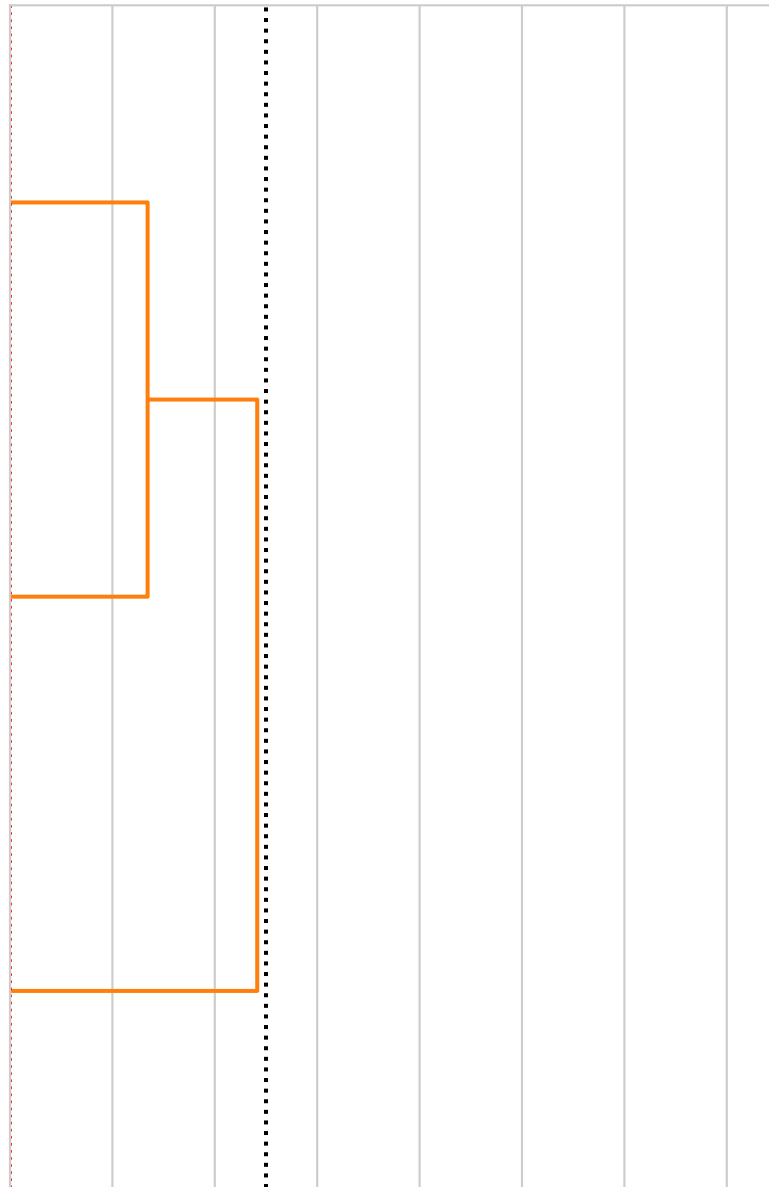
Min cov: 0.1

TOBG_SAT-1582.fna

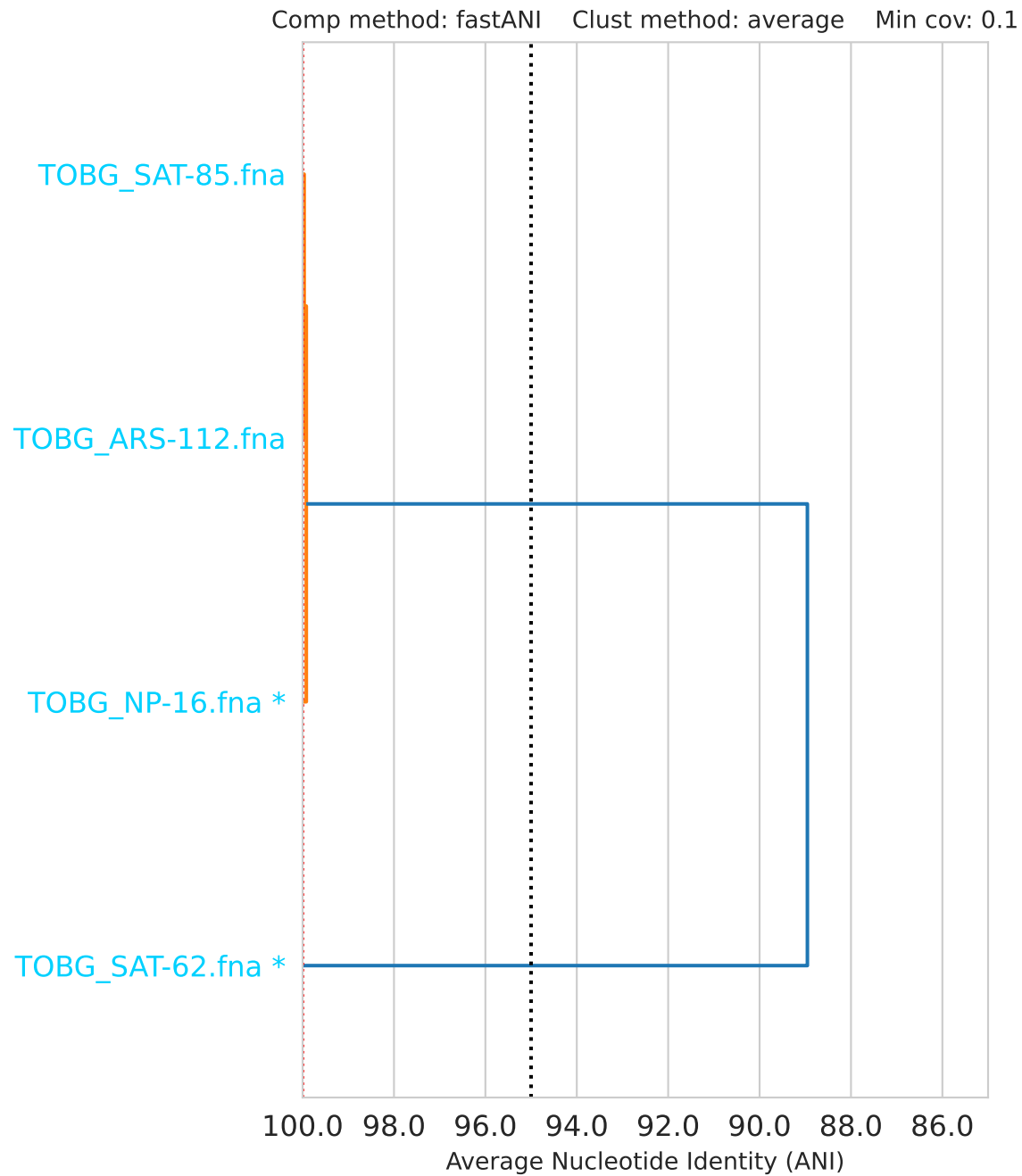
TOBG_IN-924.fna

TOBG_ARS-1034.fna *

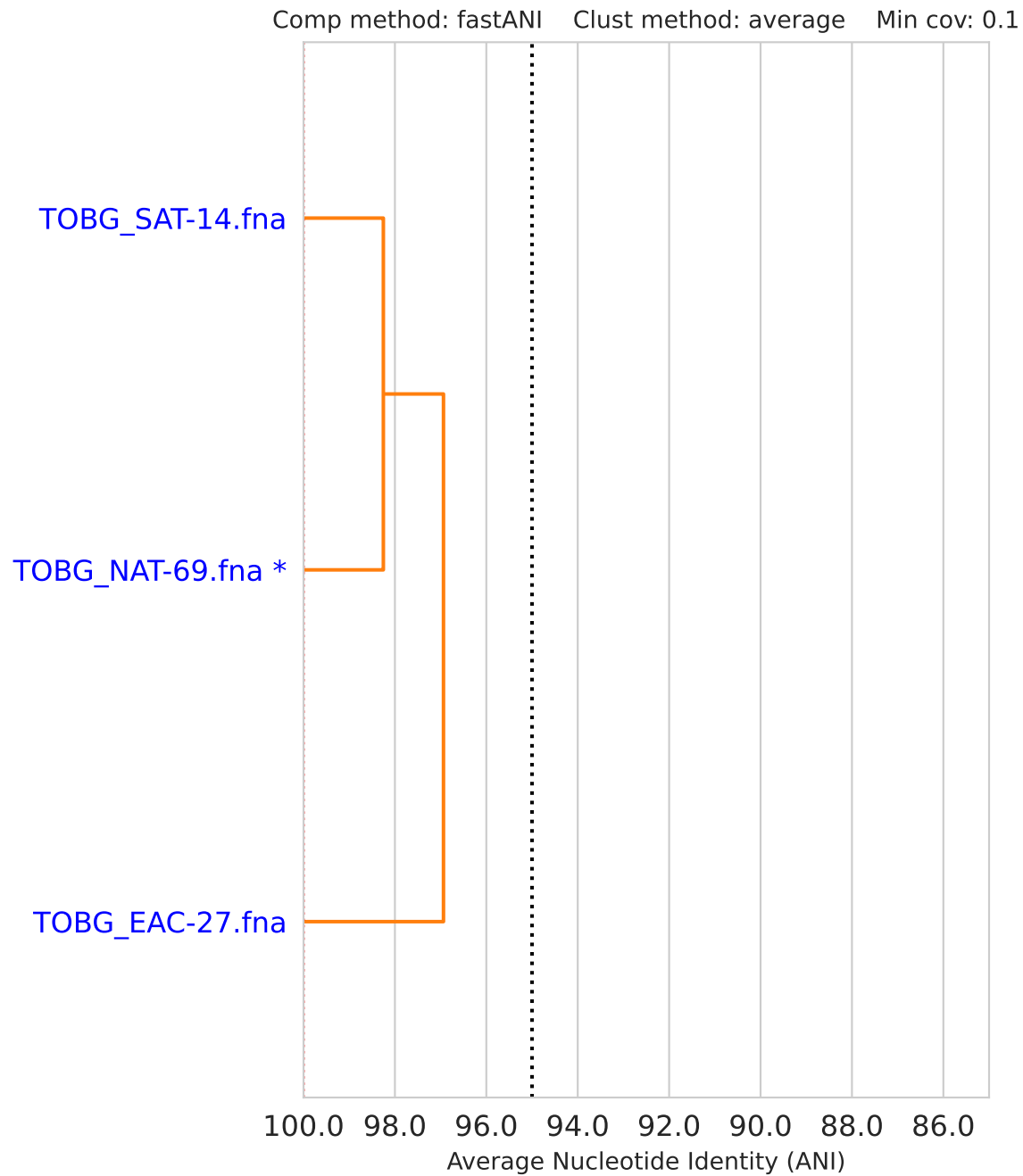
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



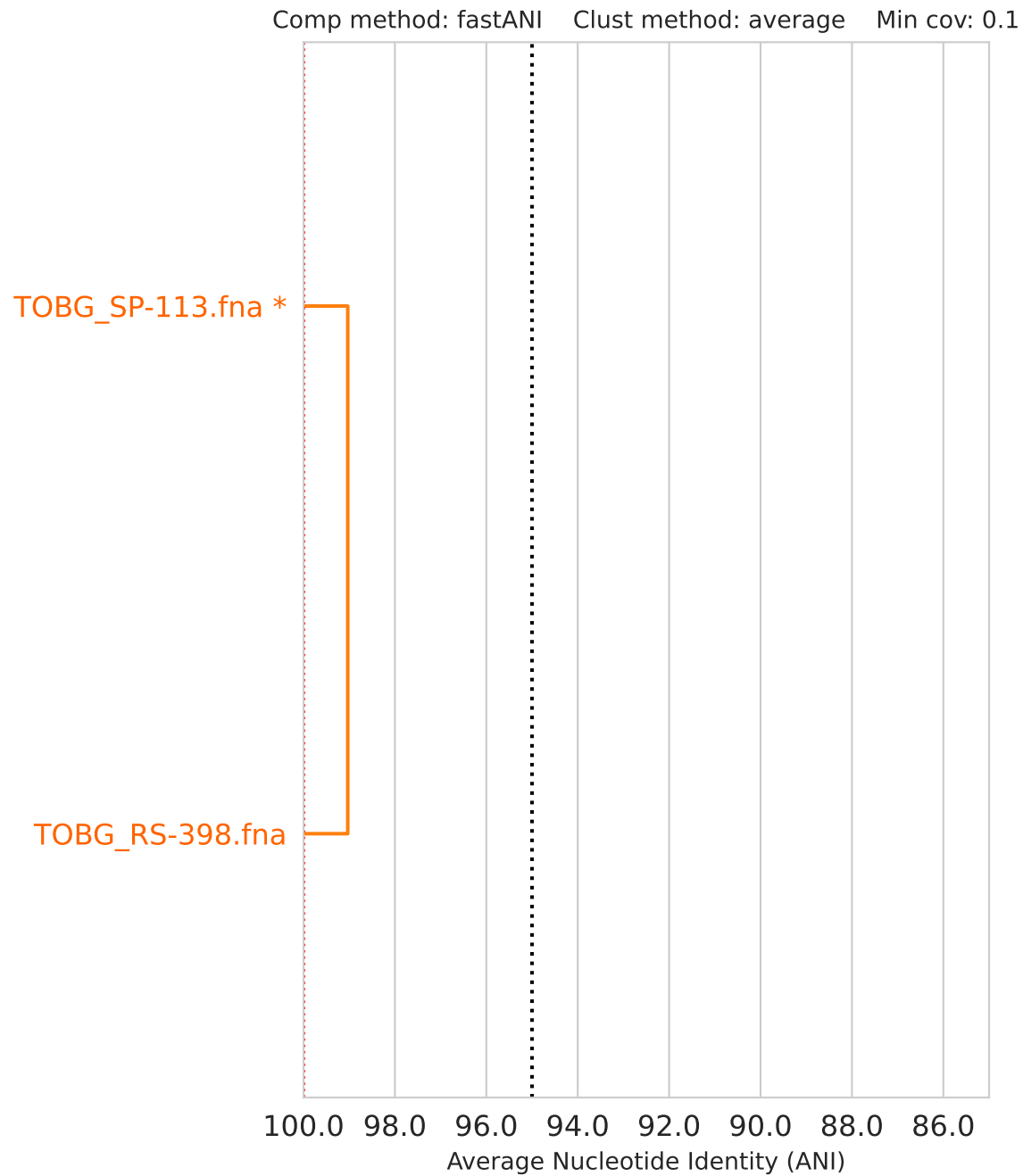
Primary cluster 441



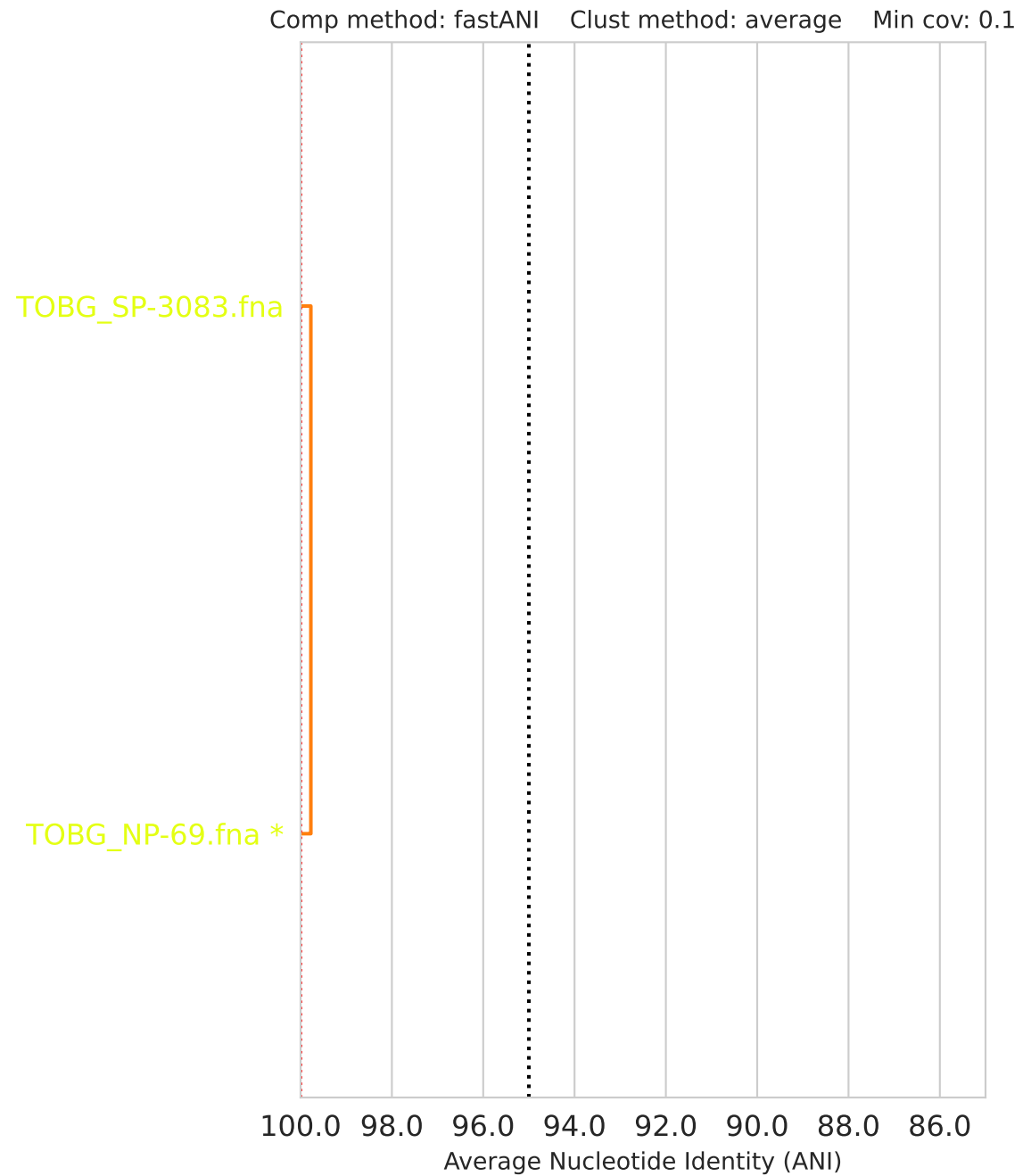
Primary cluster 449



Primary cluster 451



Primary cluster 458

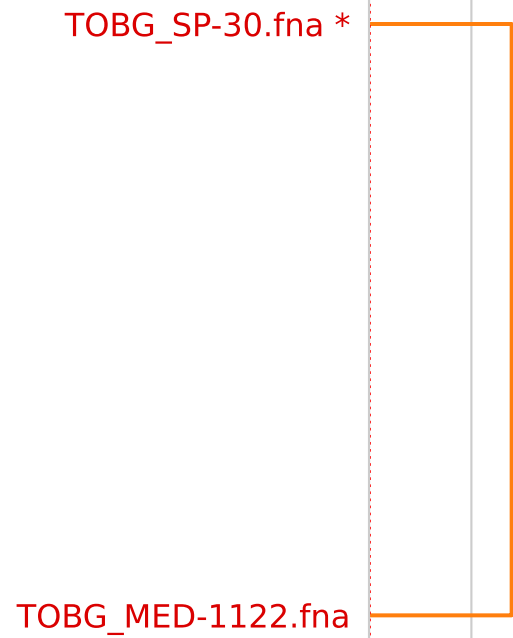


Primary cluster 477

Comp method: fastANI

Clust method: average

Min cov: 0.1



Primary cluster 481

Comp method: fastANI

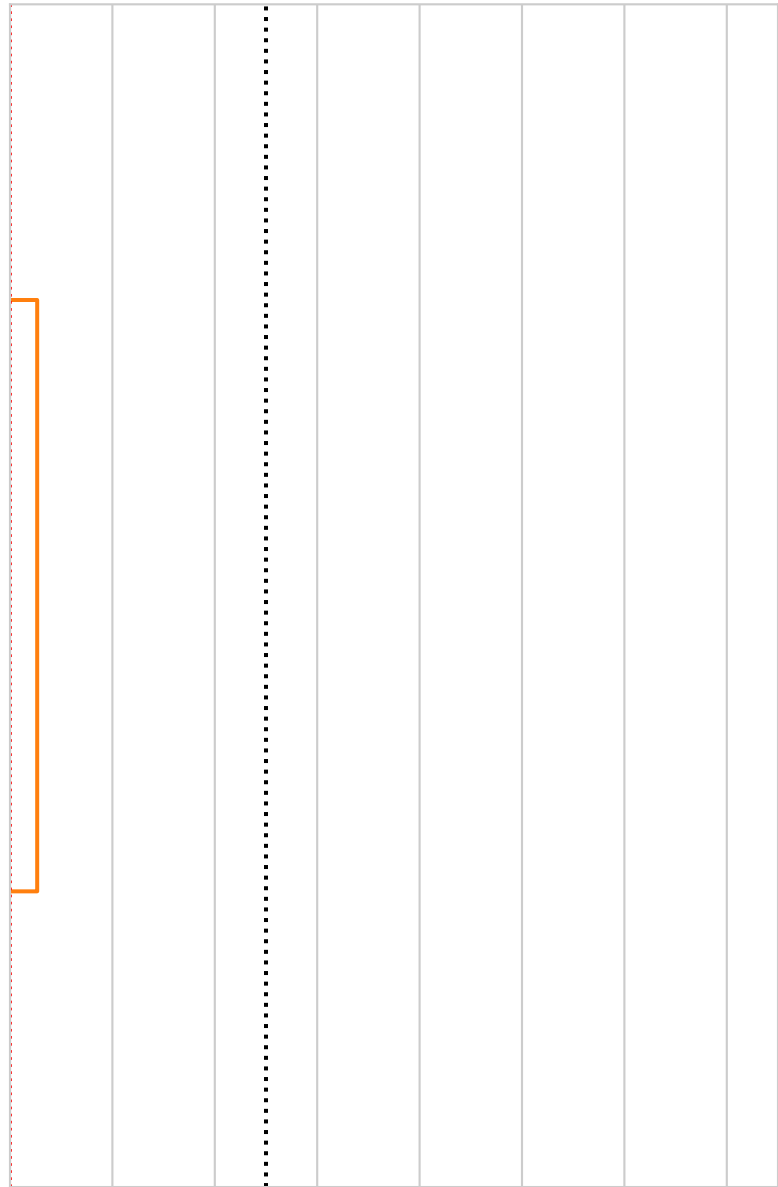
Clust method: average

Min cov: 0.1

TOBG_SP-34.fna *

TOBG_NP-960.fna

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 483

Comp method: fastANI

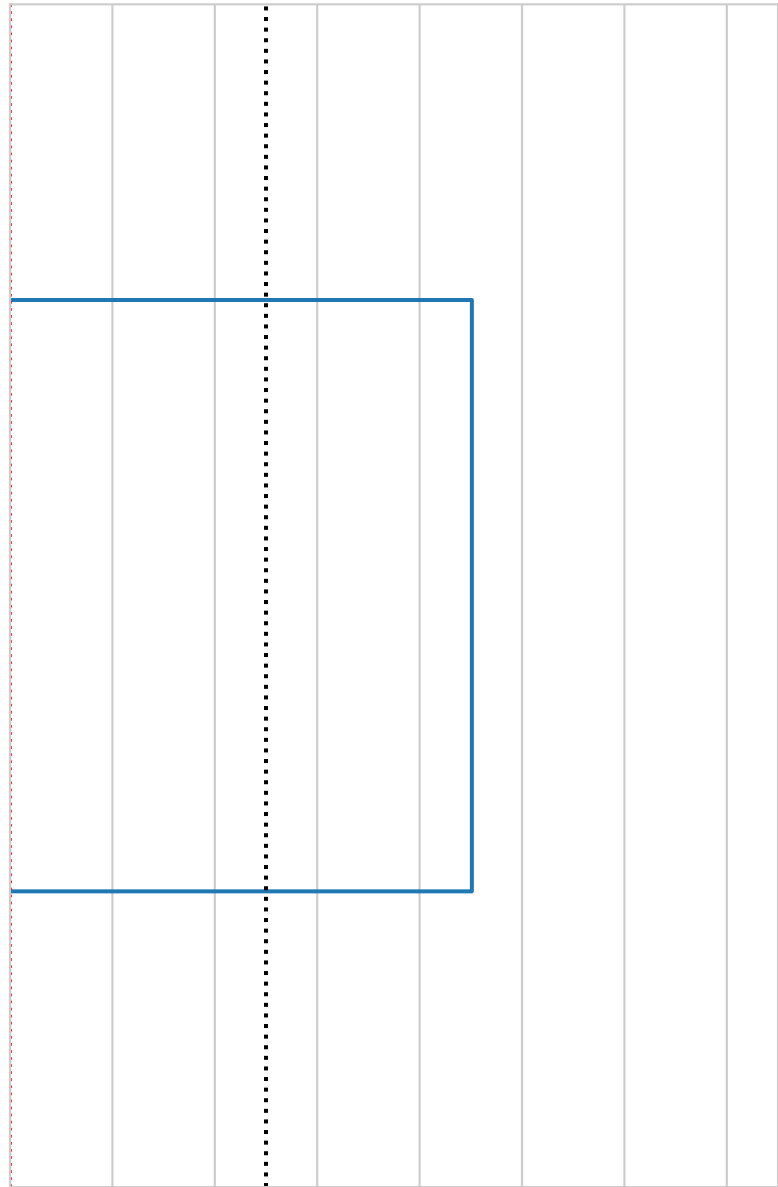
Clust method: average

Min cov: 0.1

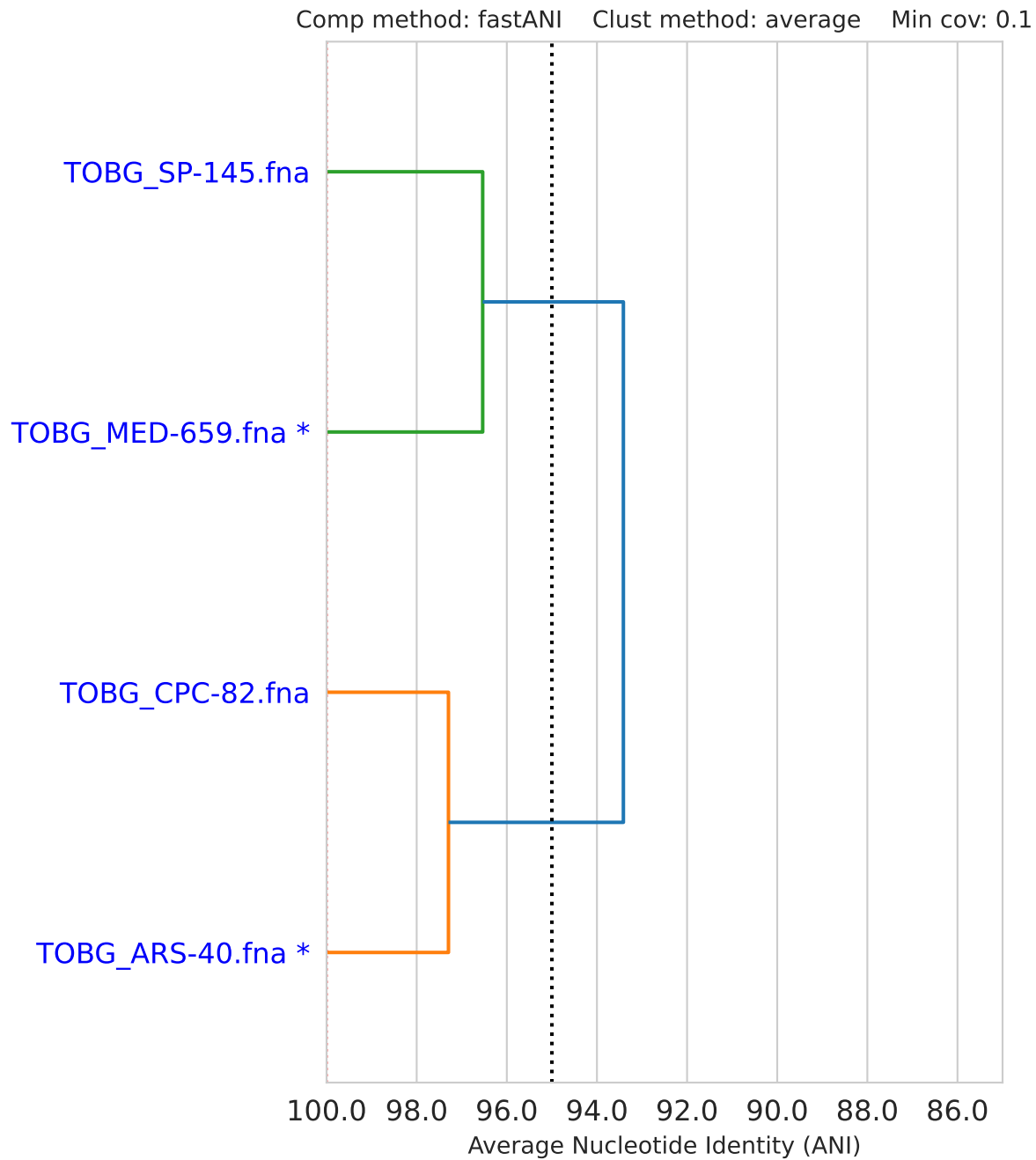
TOBG_SP-52.fna *

TOBG_SP-114.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 484



Primary cluster 488

Comp method: fastANI

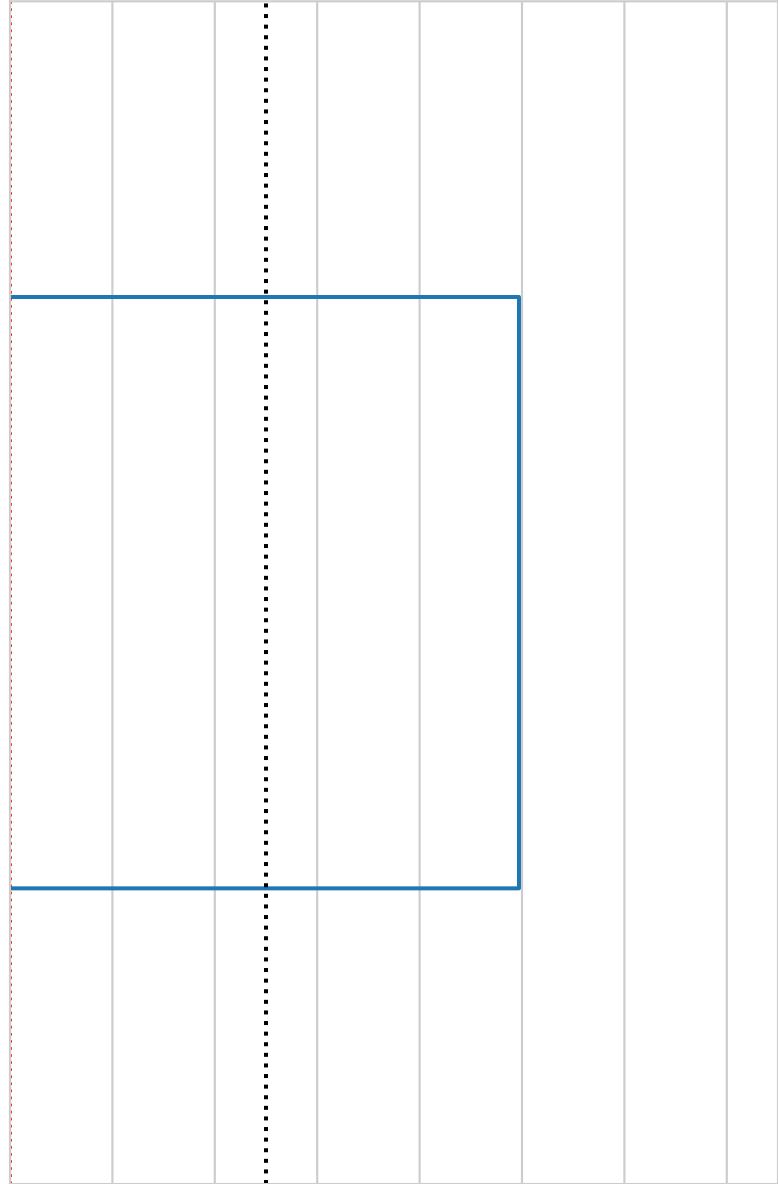
Clust method: average

Min cov: 0.1

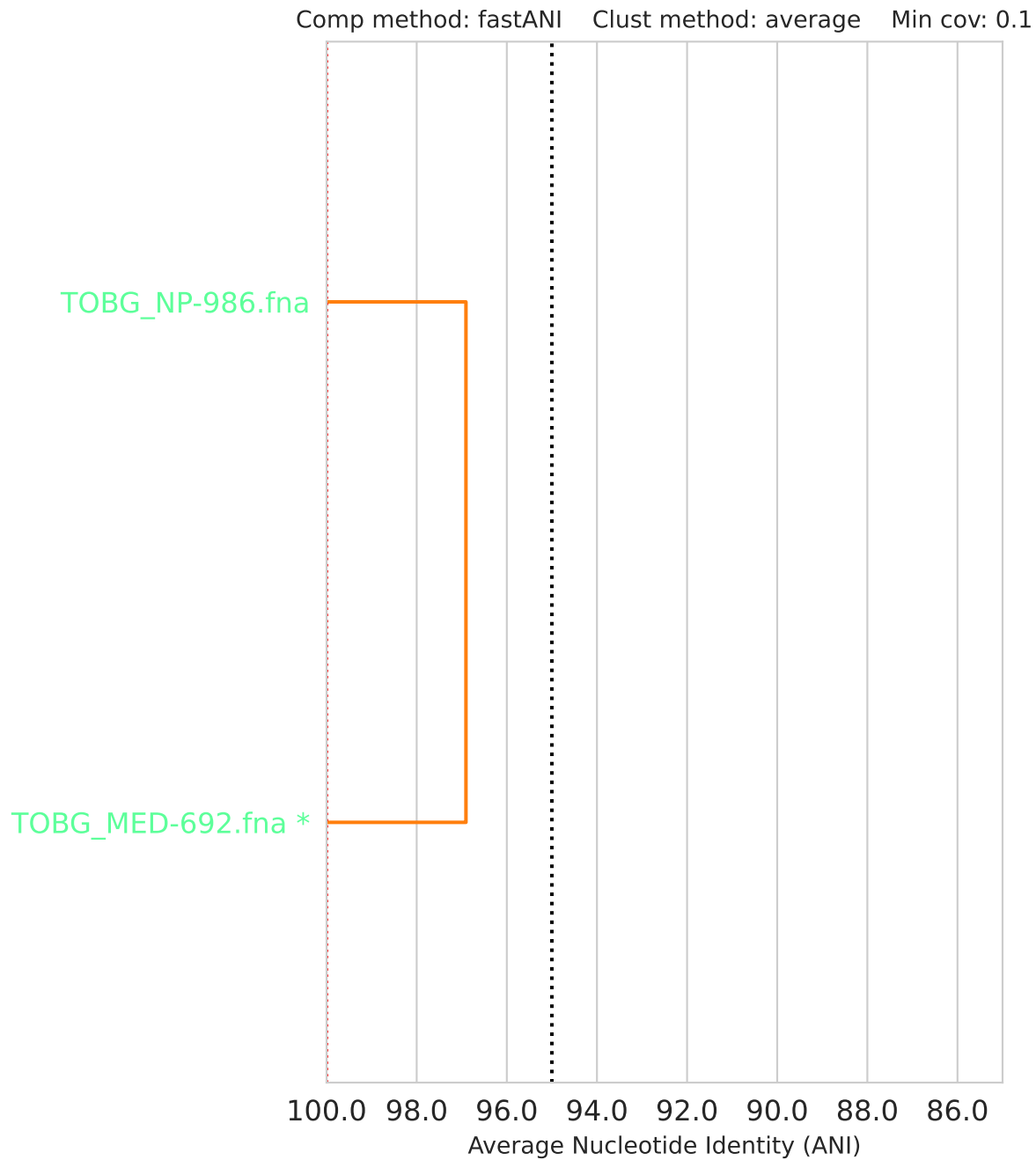
TOBG_RS-402.fna *

TOBG_MED-677.fna *

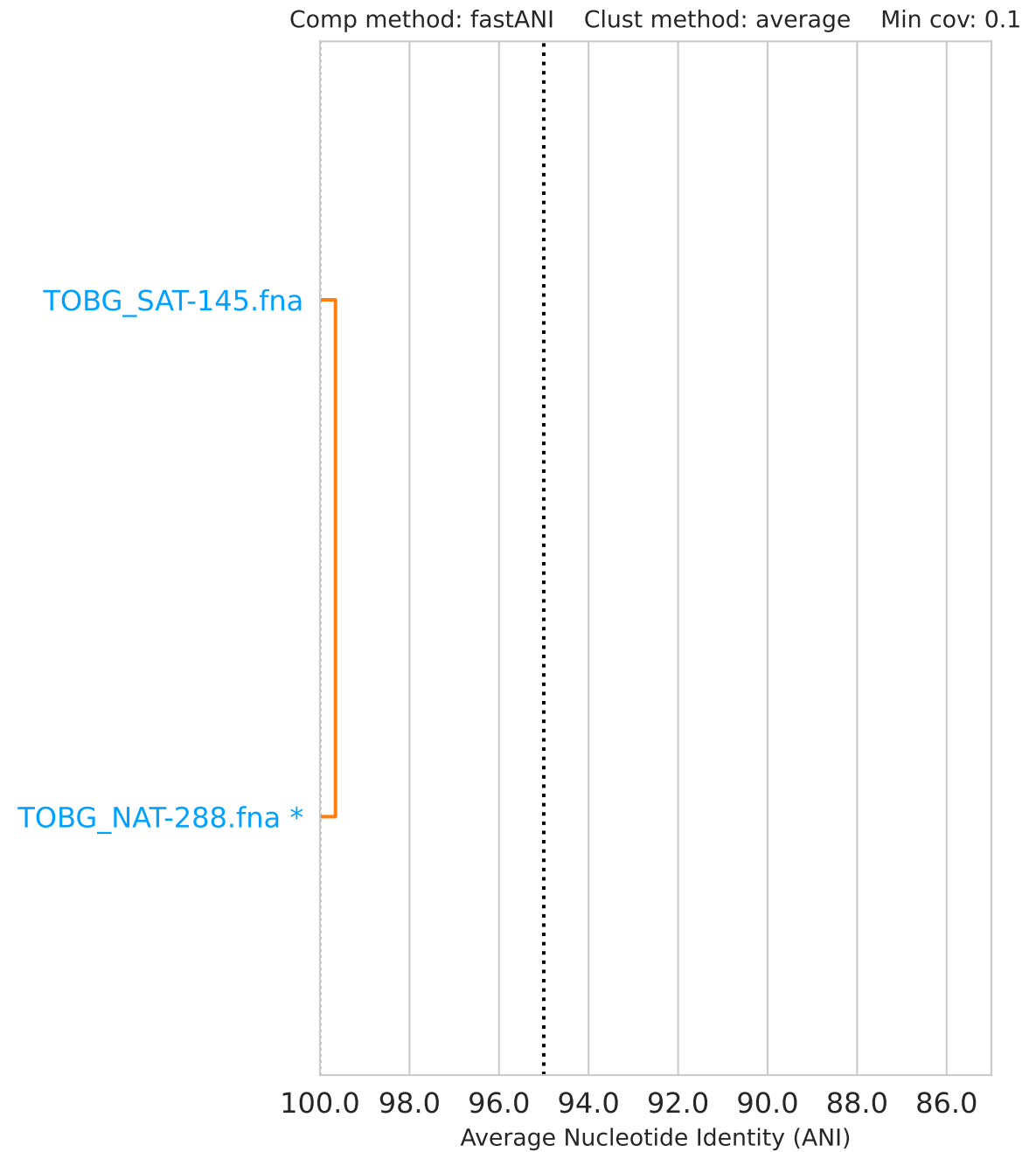
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



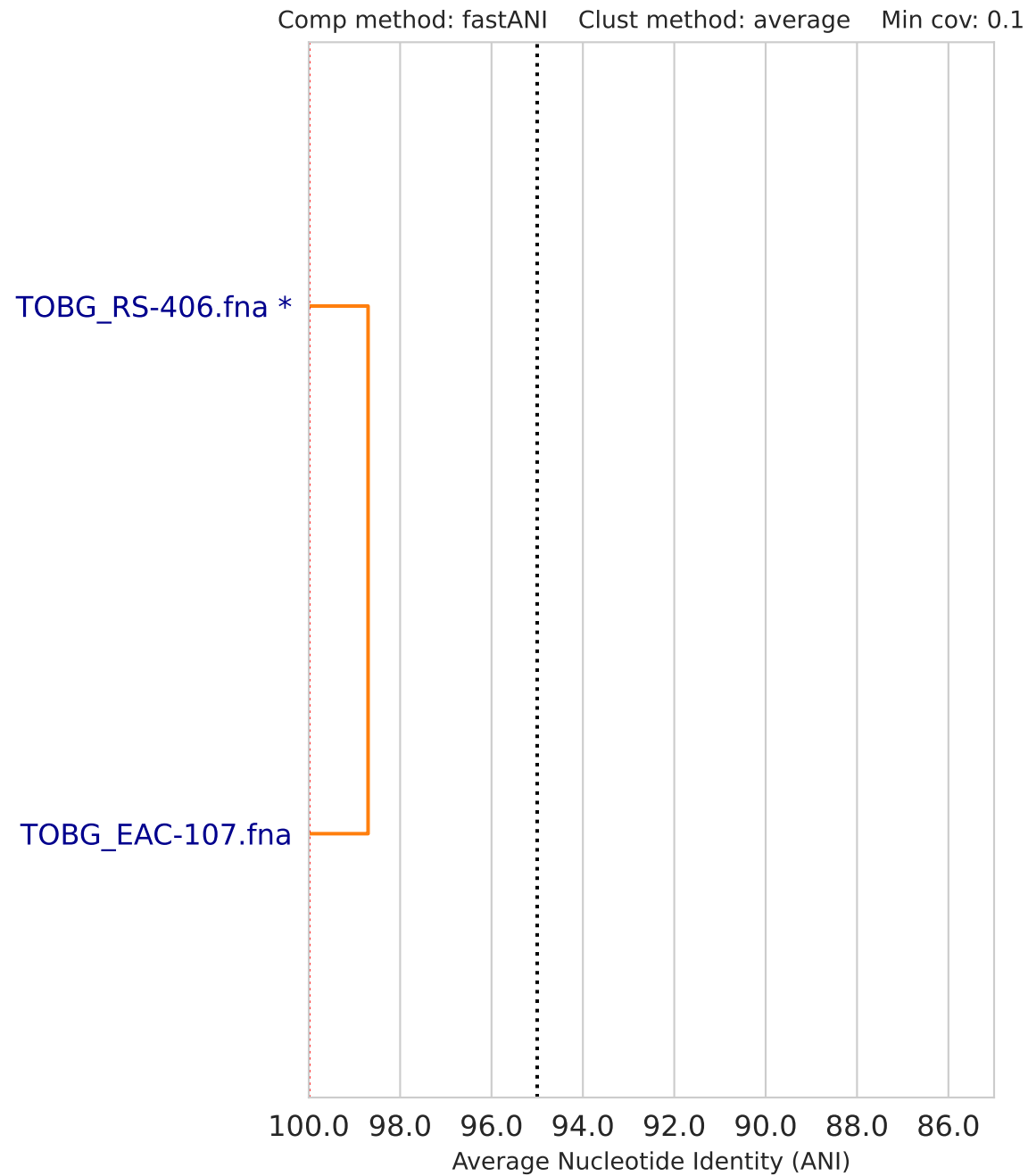
Primary cluster 490



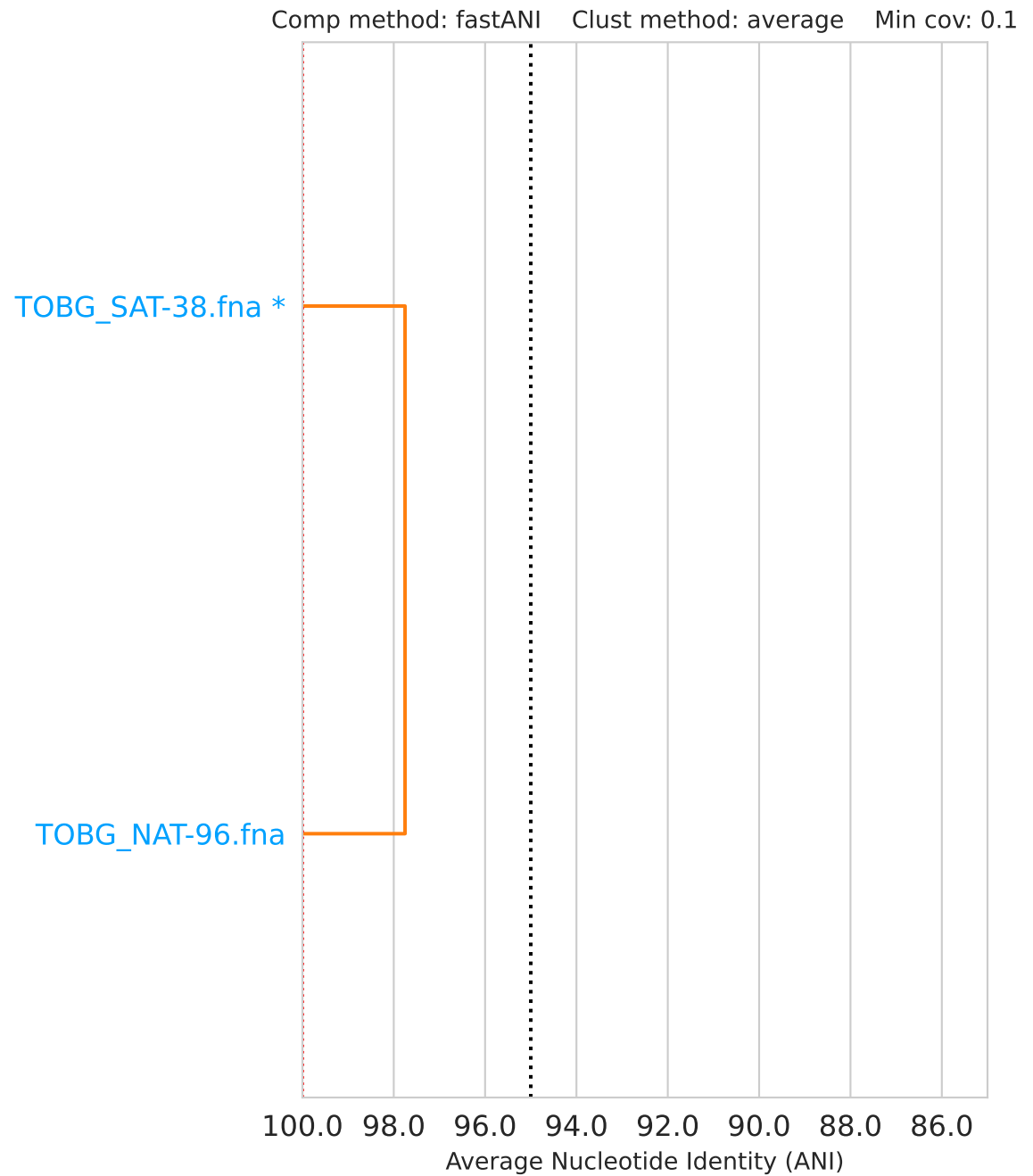
Primary cluster 511



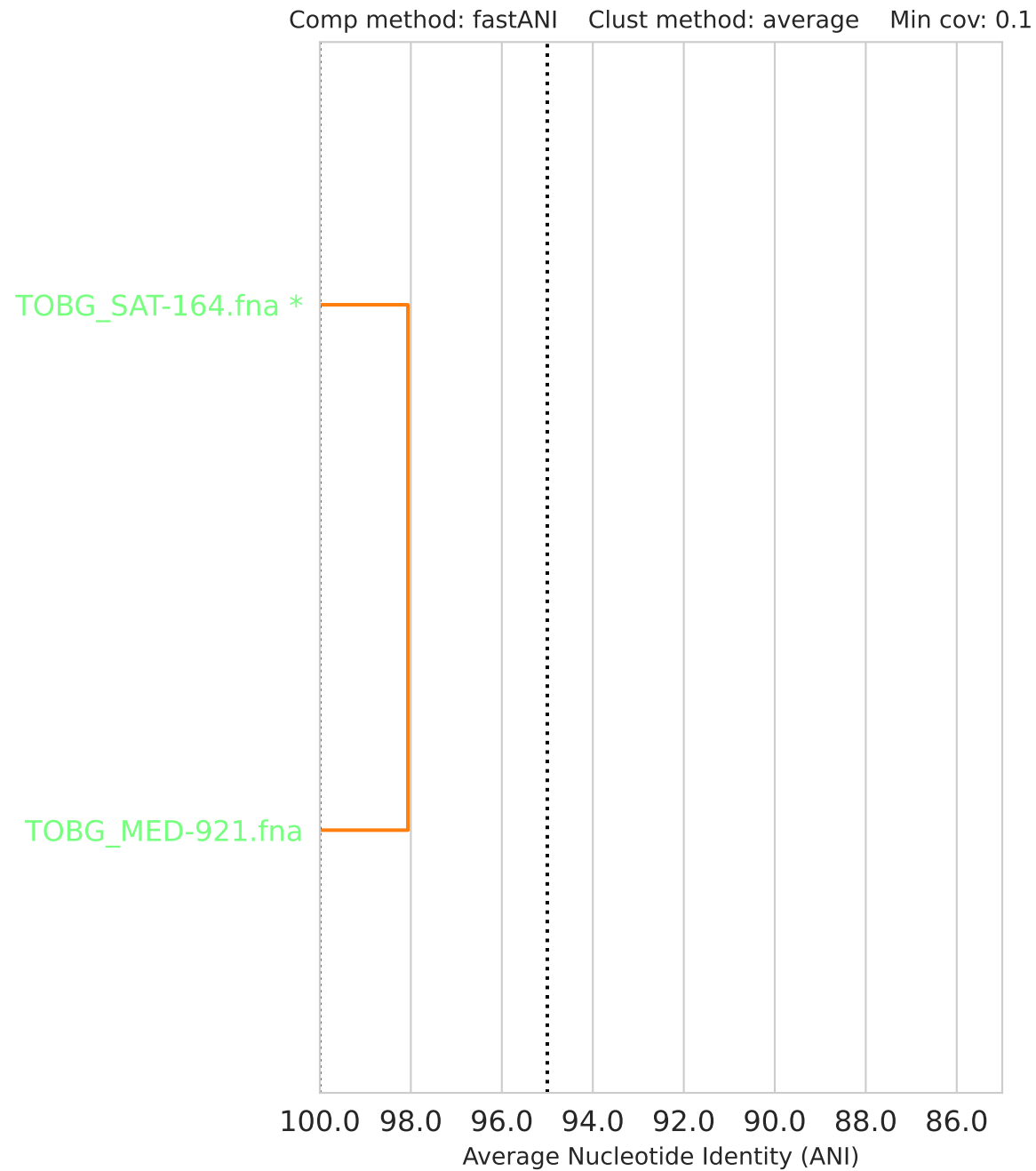
Primary cluster 520



Primary cluster 525



Primary cluster 527



Primary cluster 534

Comp method: fastANI

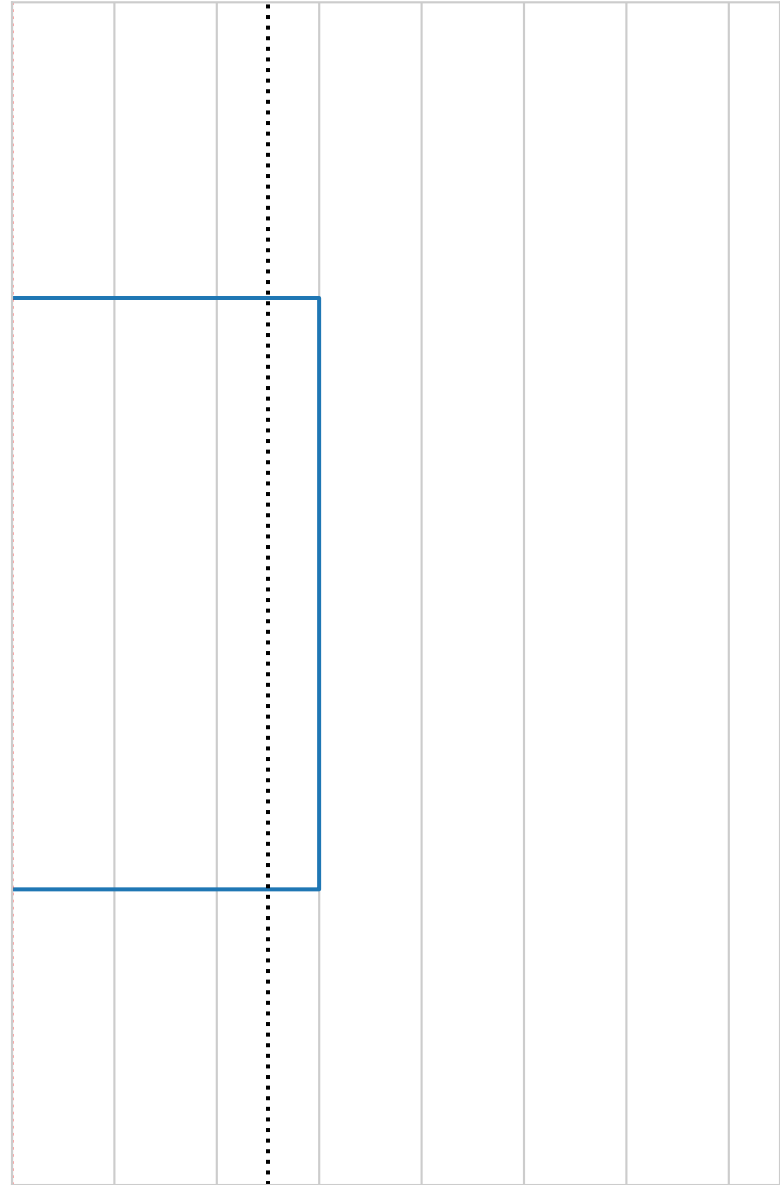
Clust method: average

Min cov: 0.1

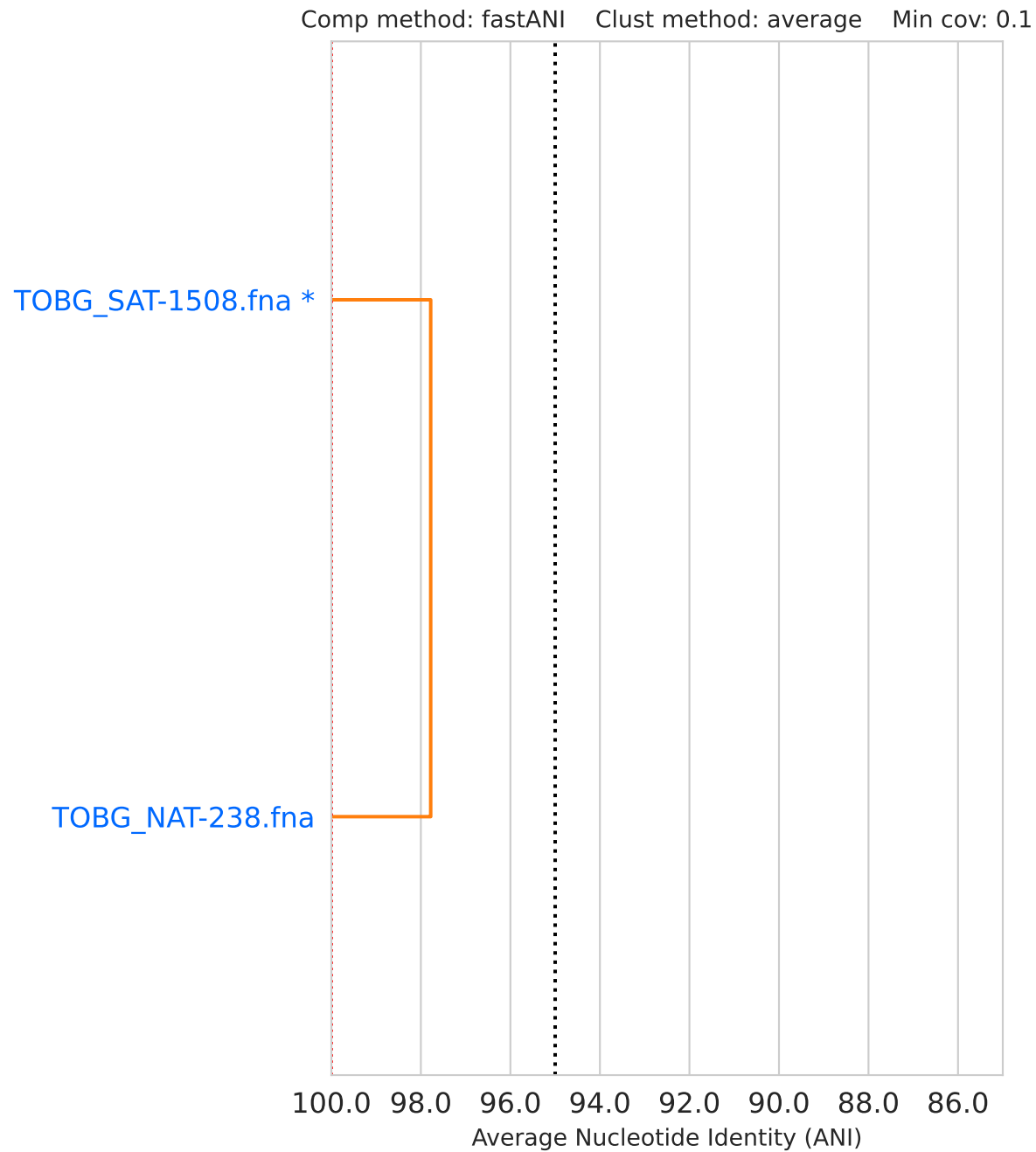
TOBG_SP-3014.fna *

TOBG_SAT-1553.fna *

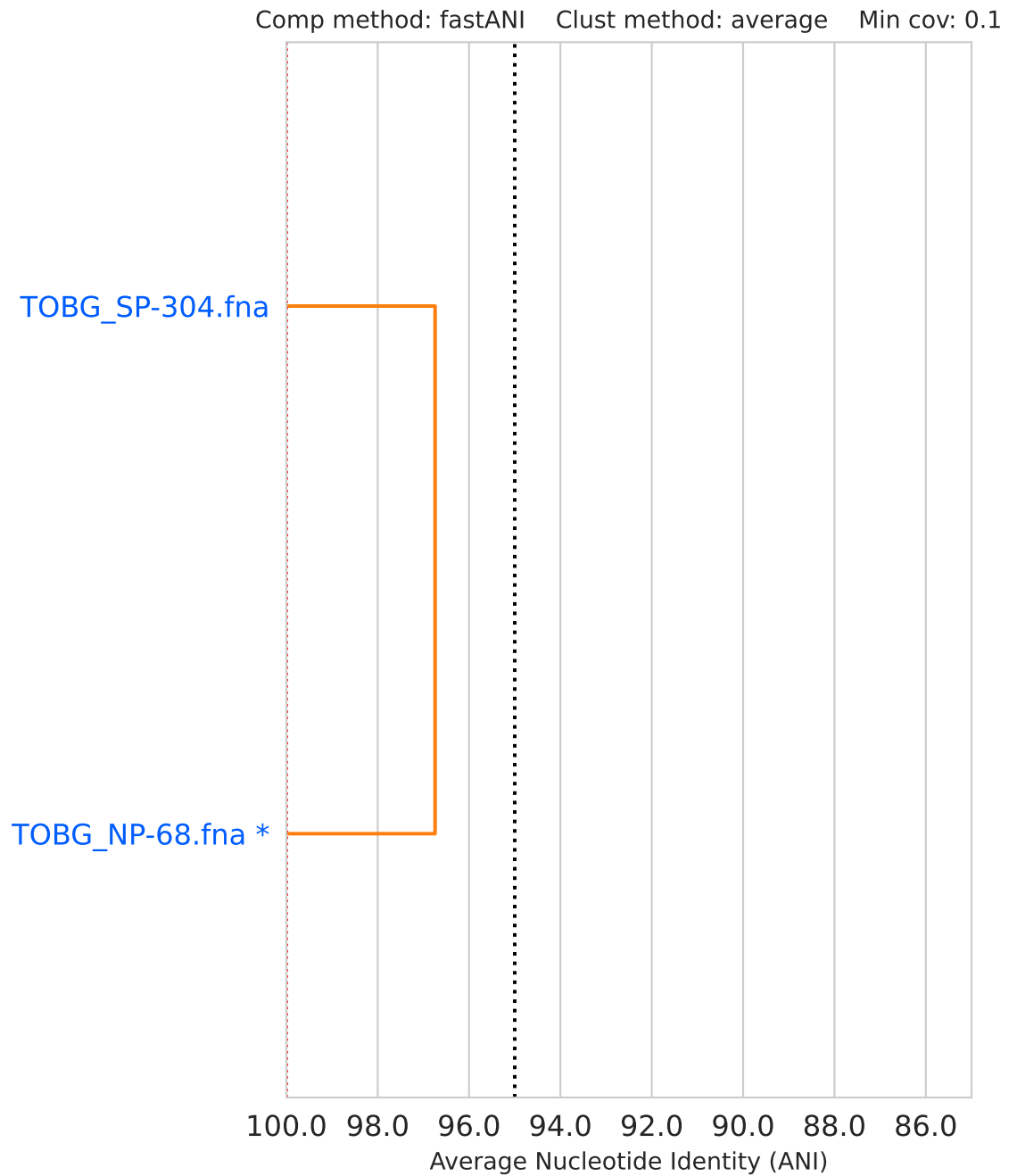
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



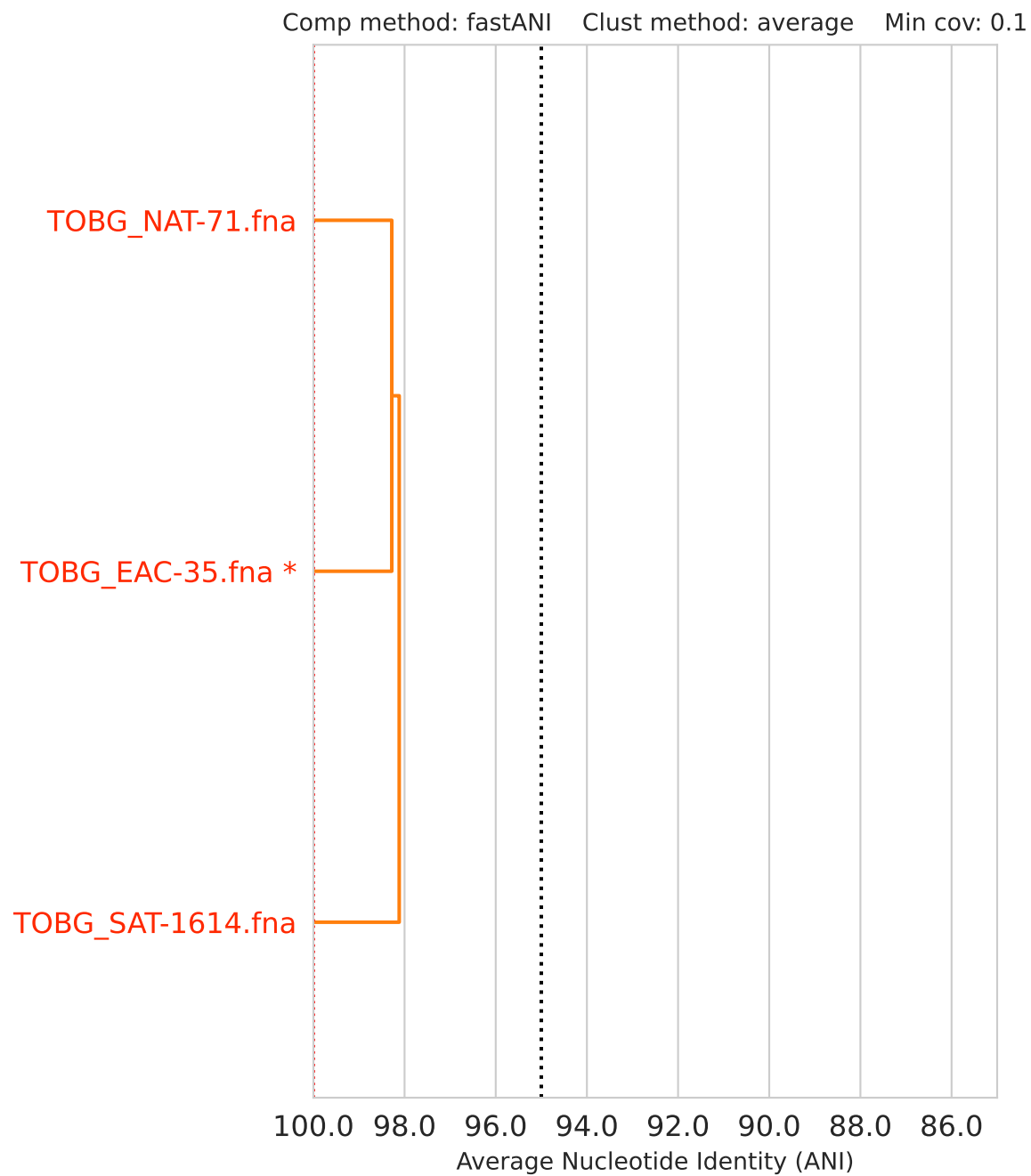
Primary cluster 540



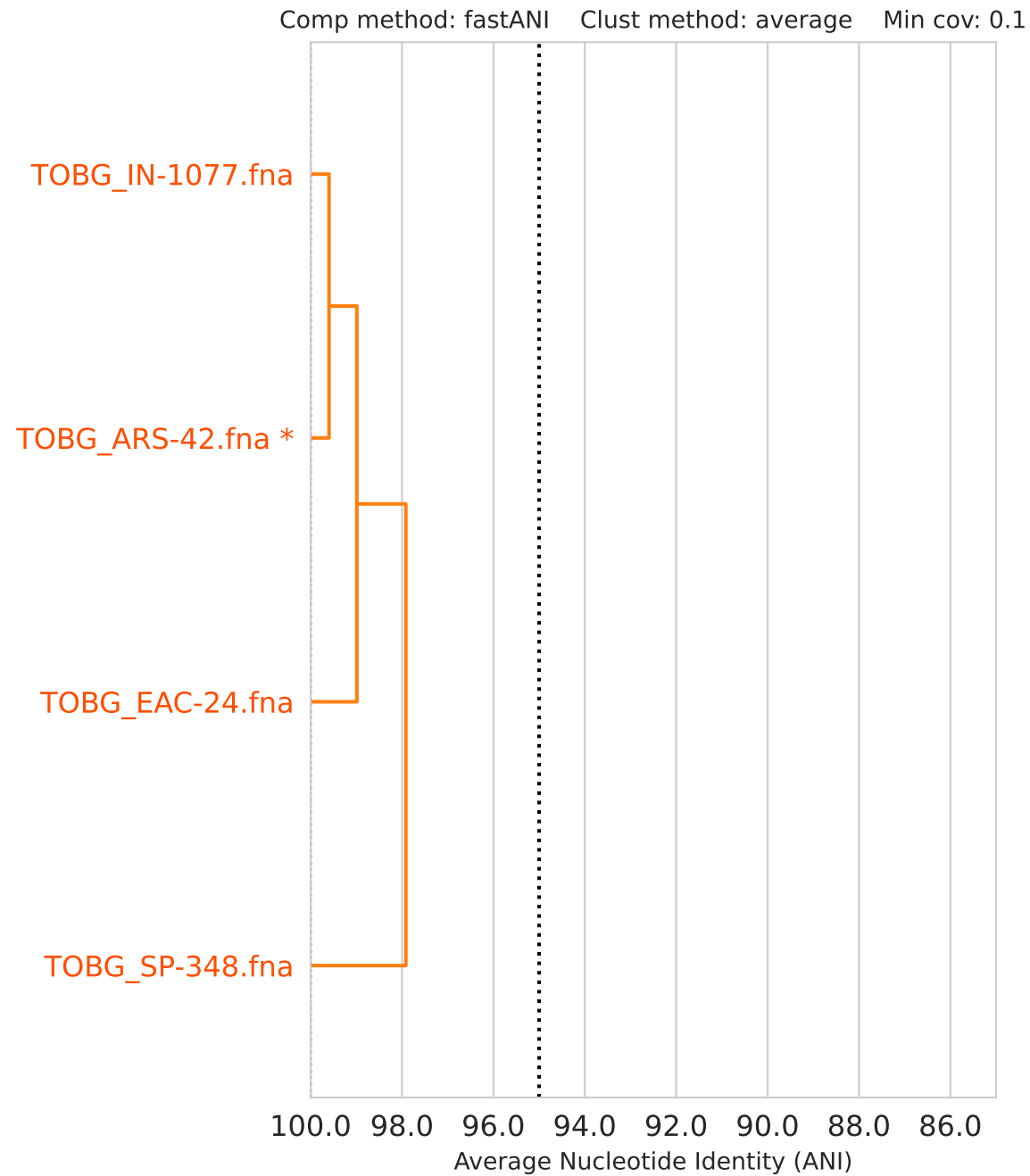
Primary cluster 544



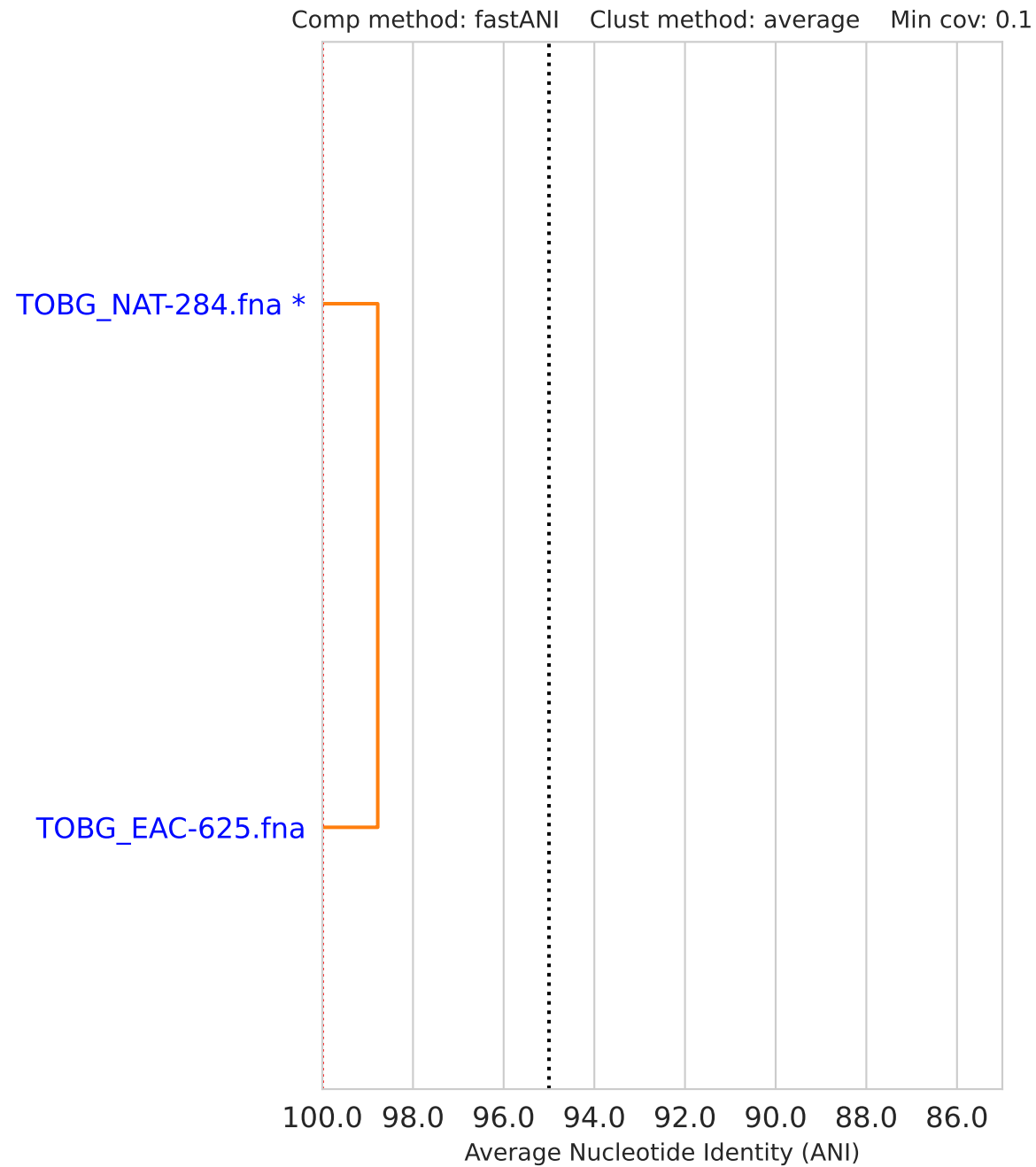
Primary cluster 547



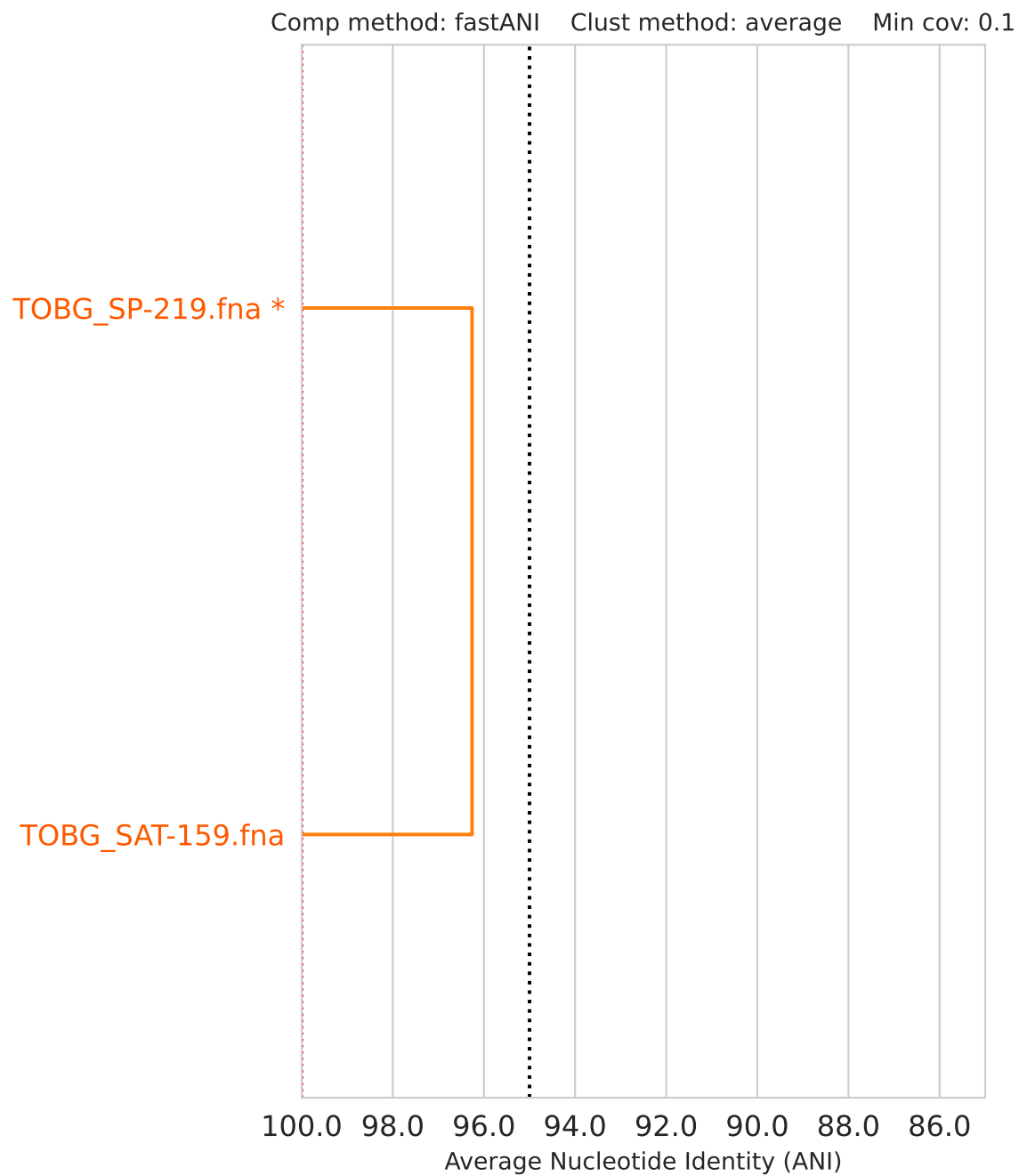
Primary cluster 548



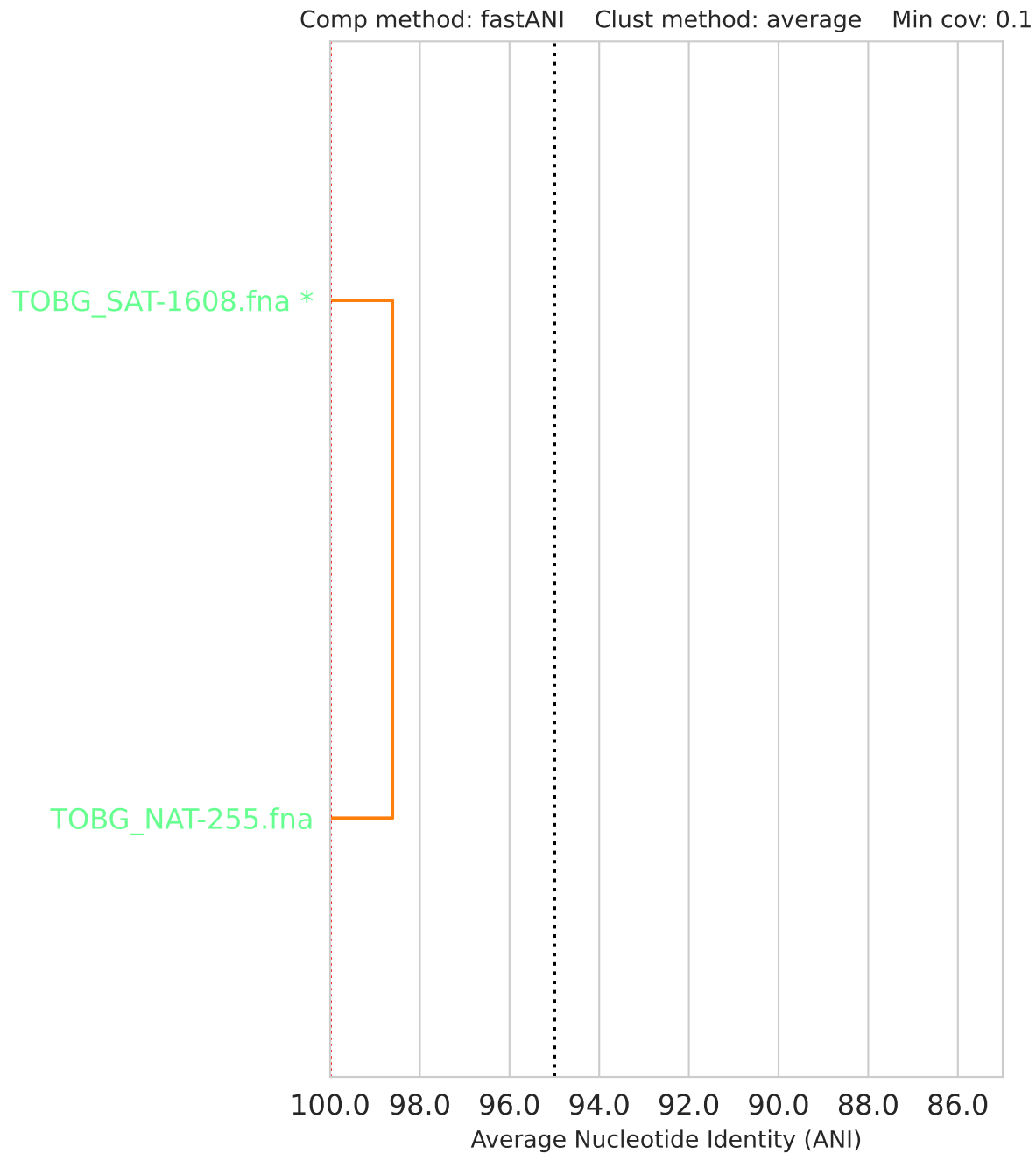
Primary cluster 551



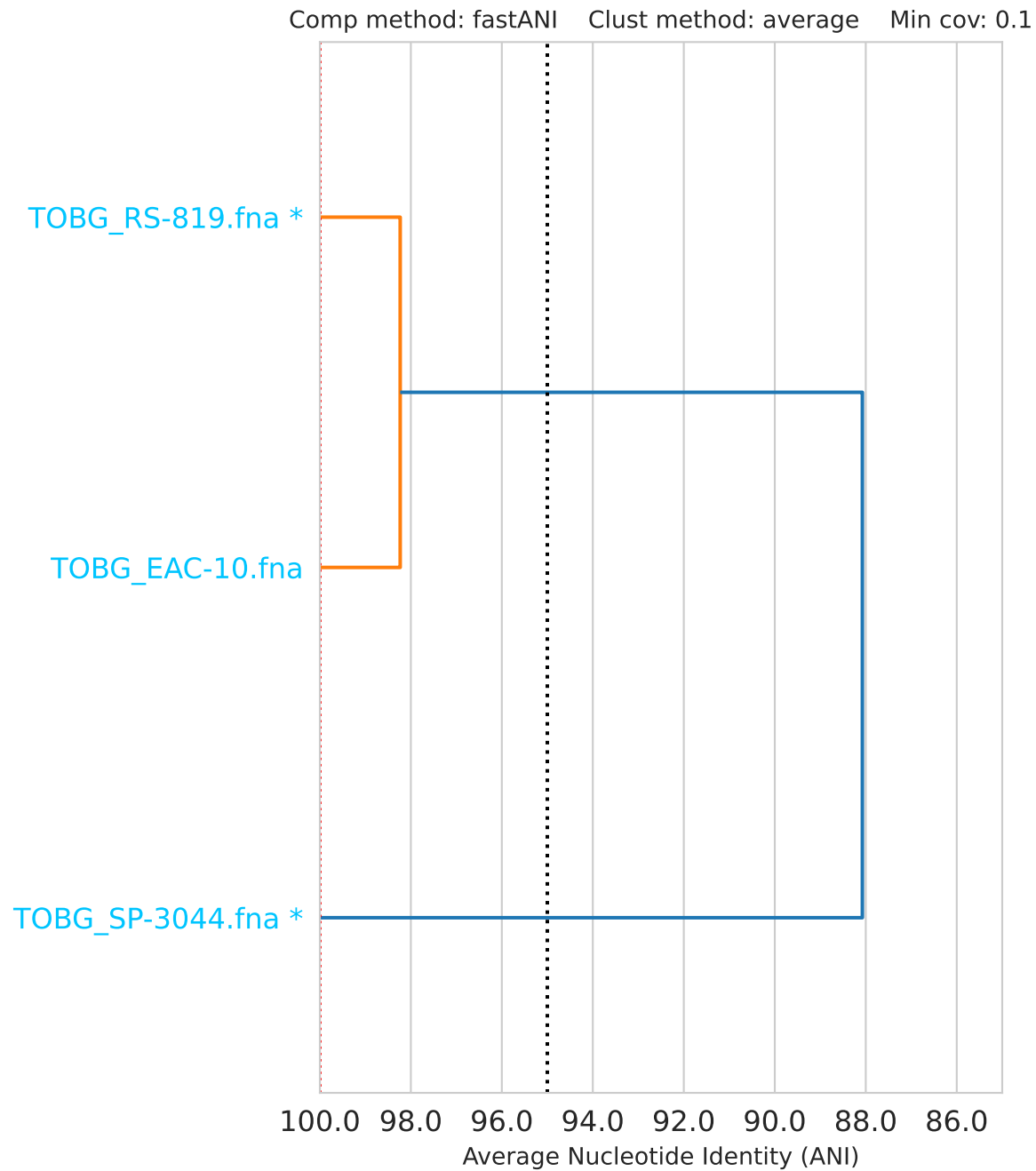
Primary cluster 552



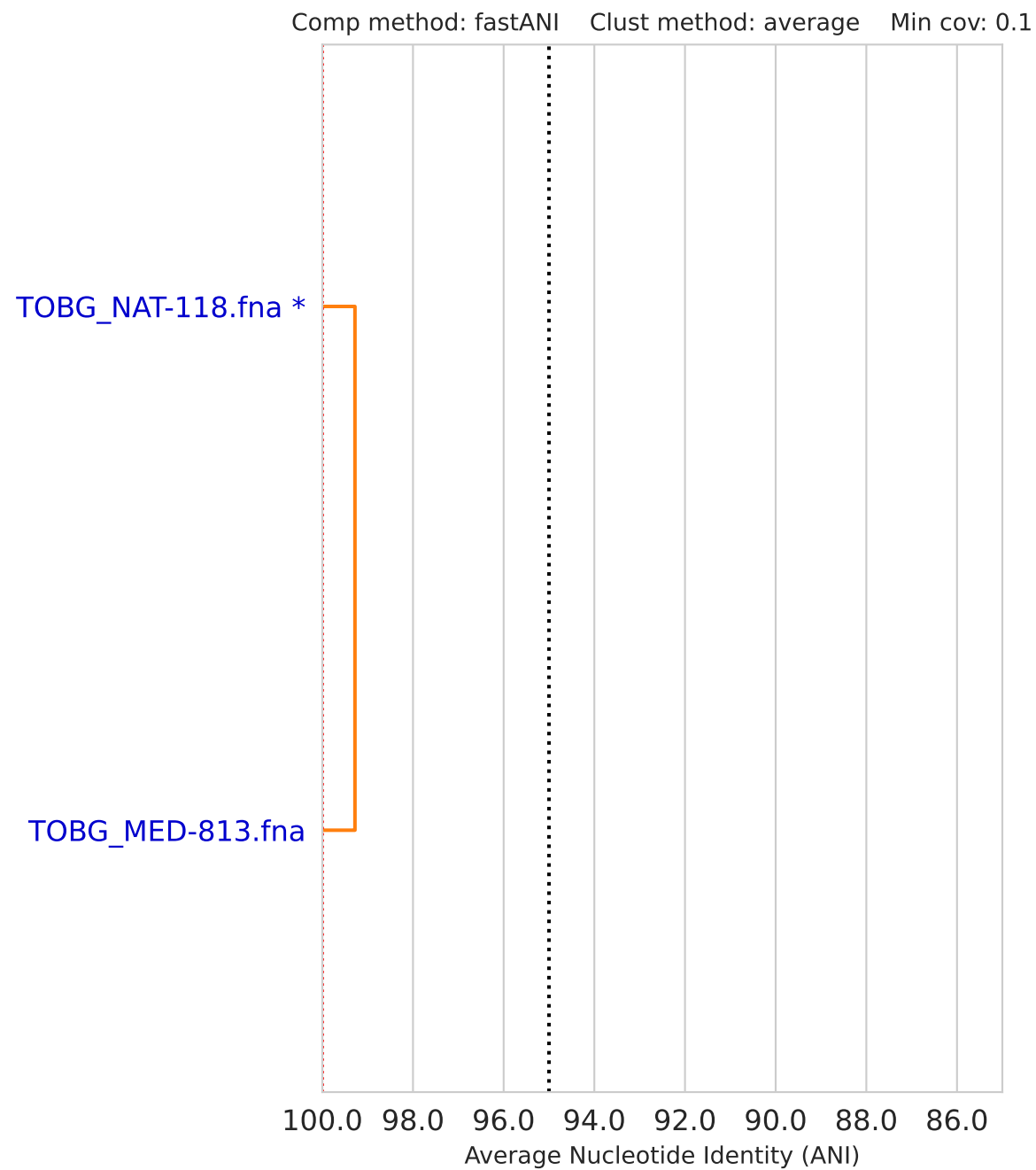
Primary cluster 554



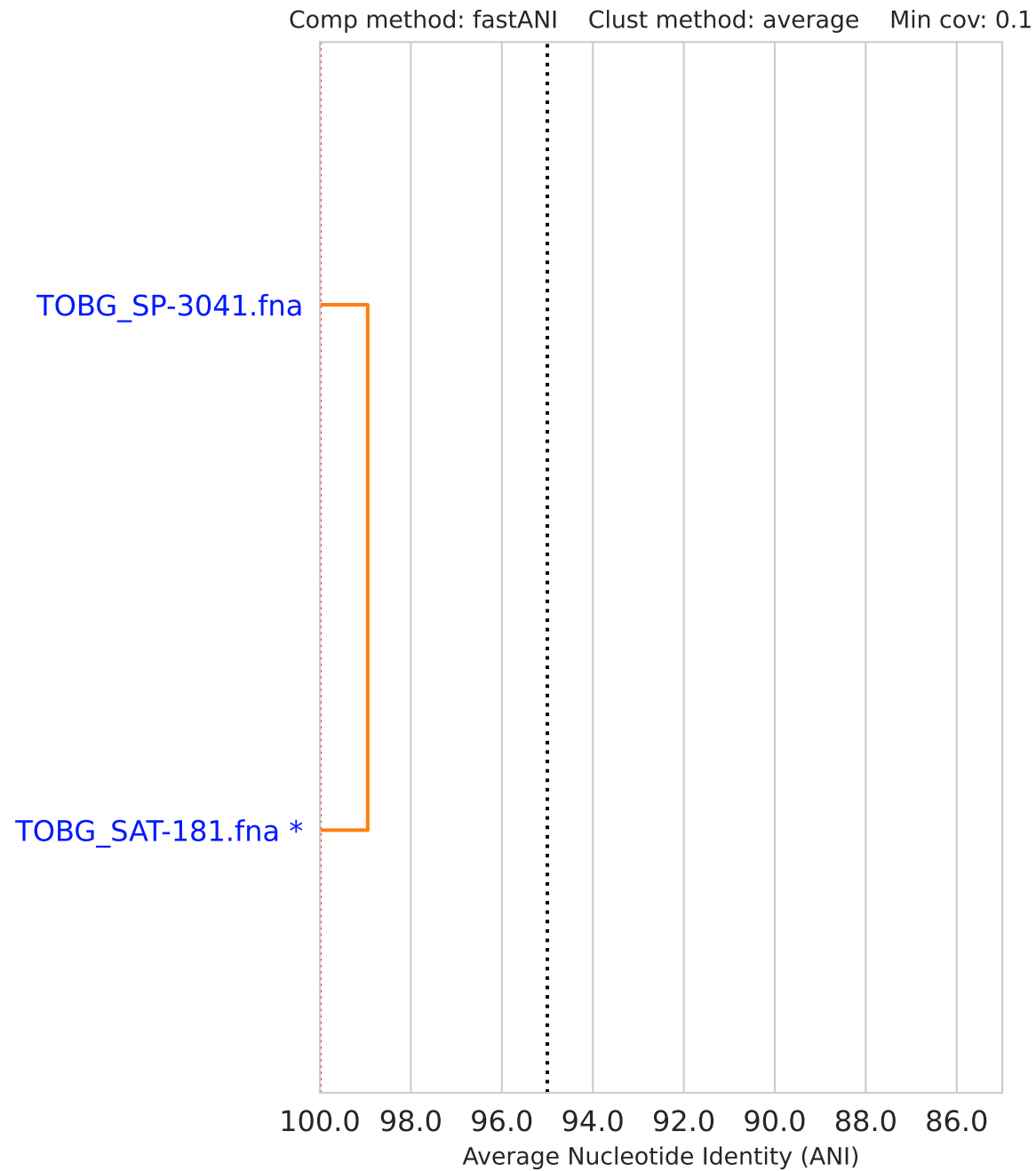
Primary cluster 560



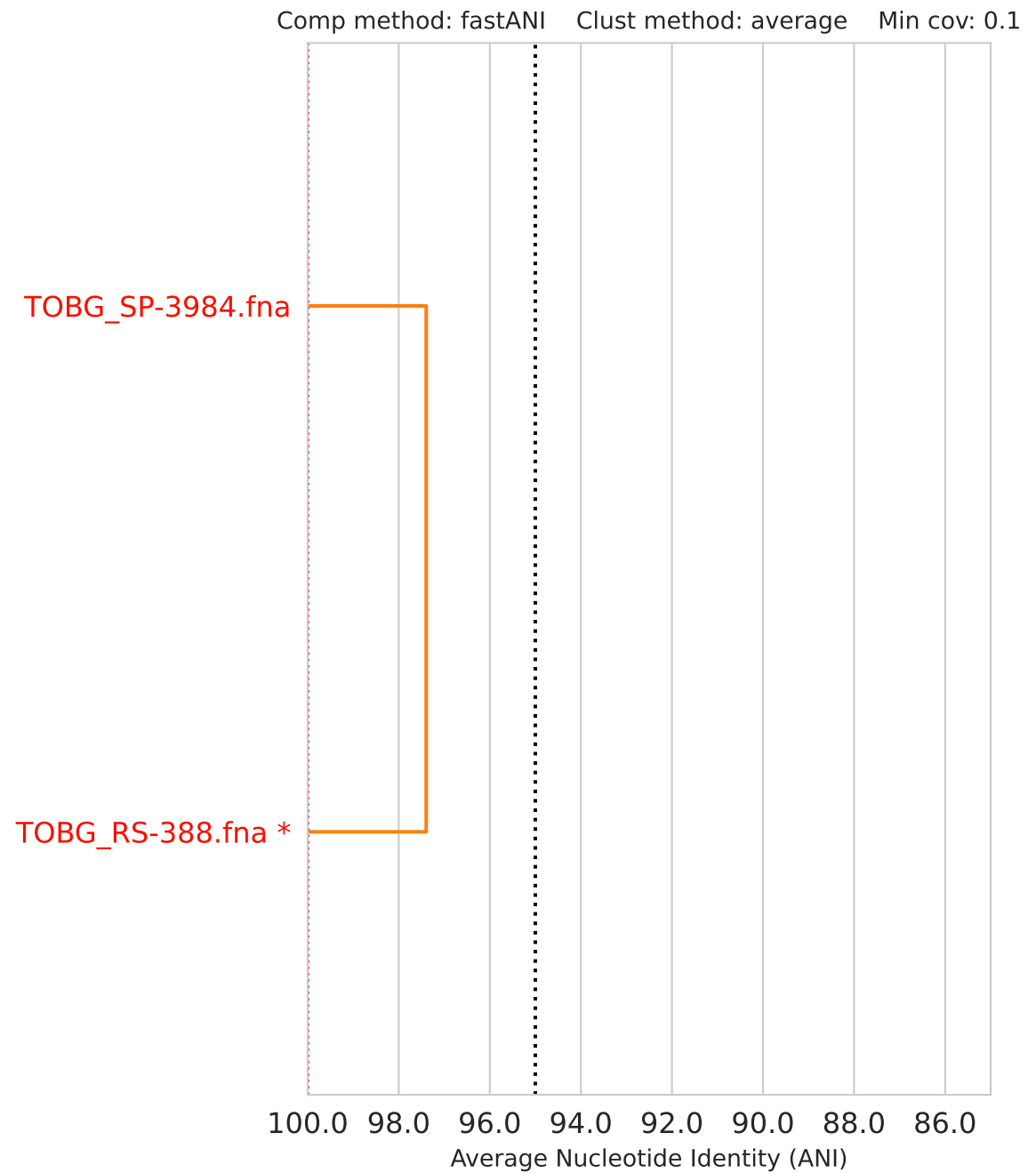
Primary cluster 561



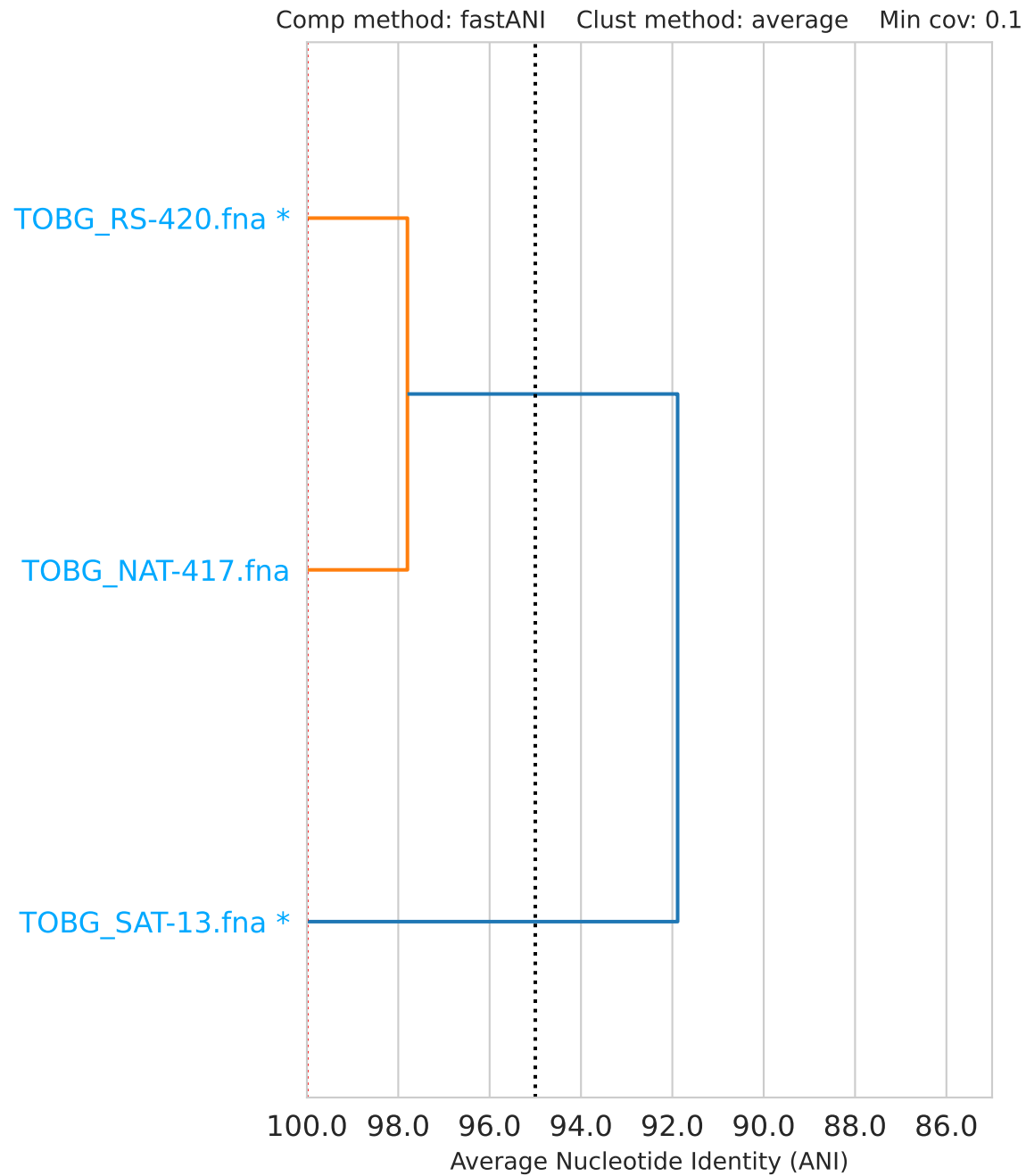
Primary cluster 562



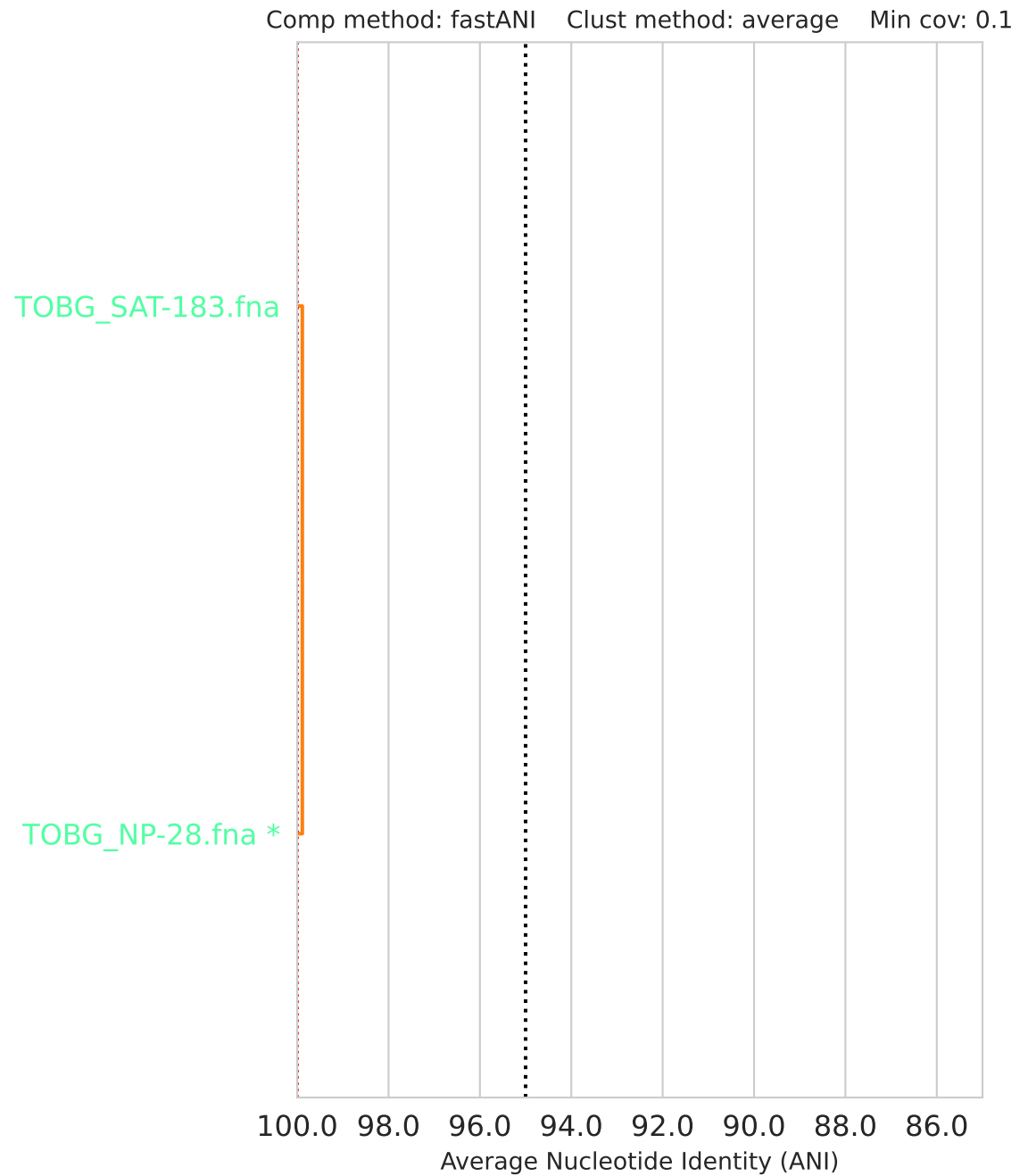
Primary cluster 563



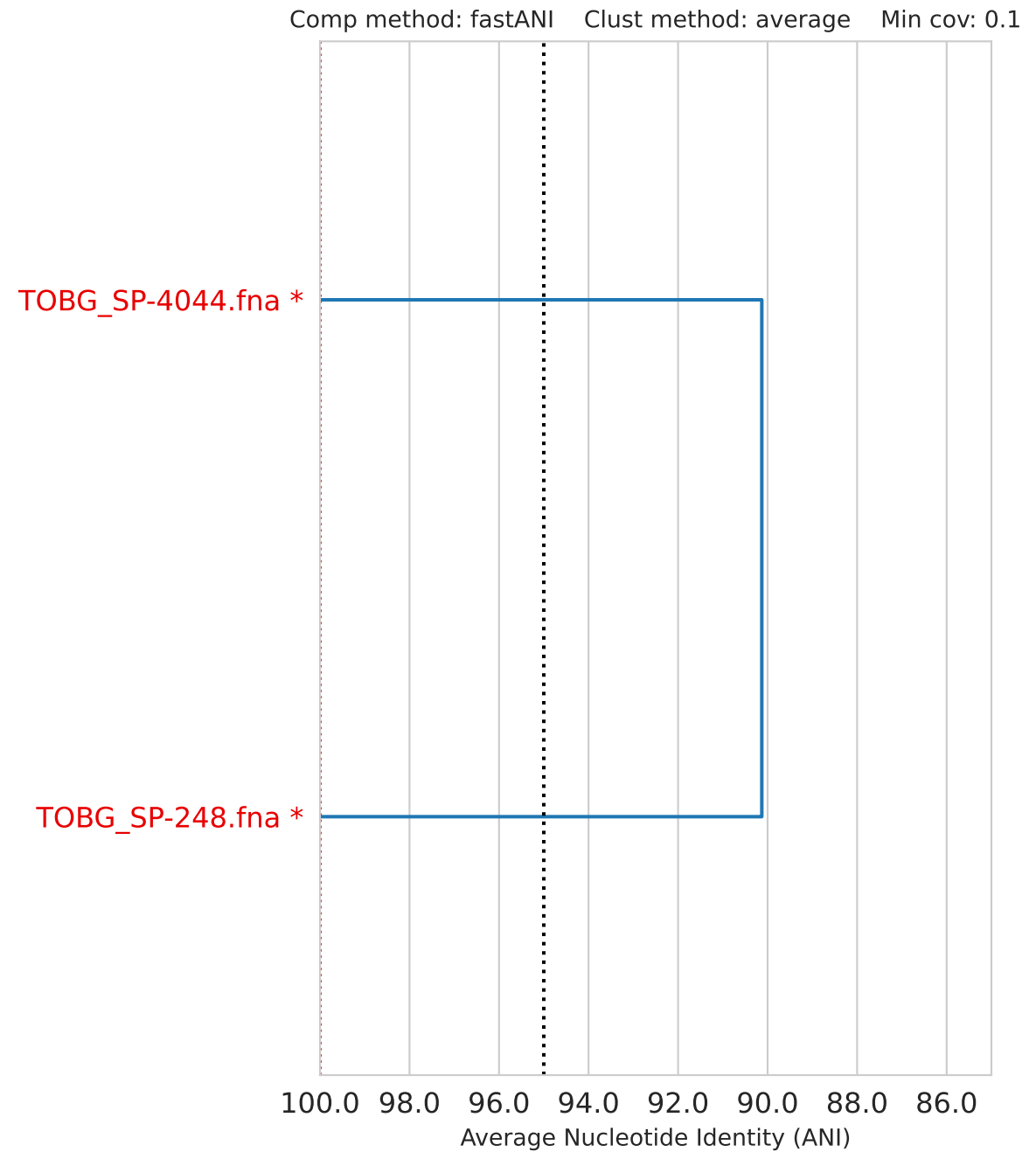
Primary cluster 564



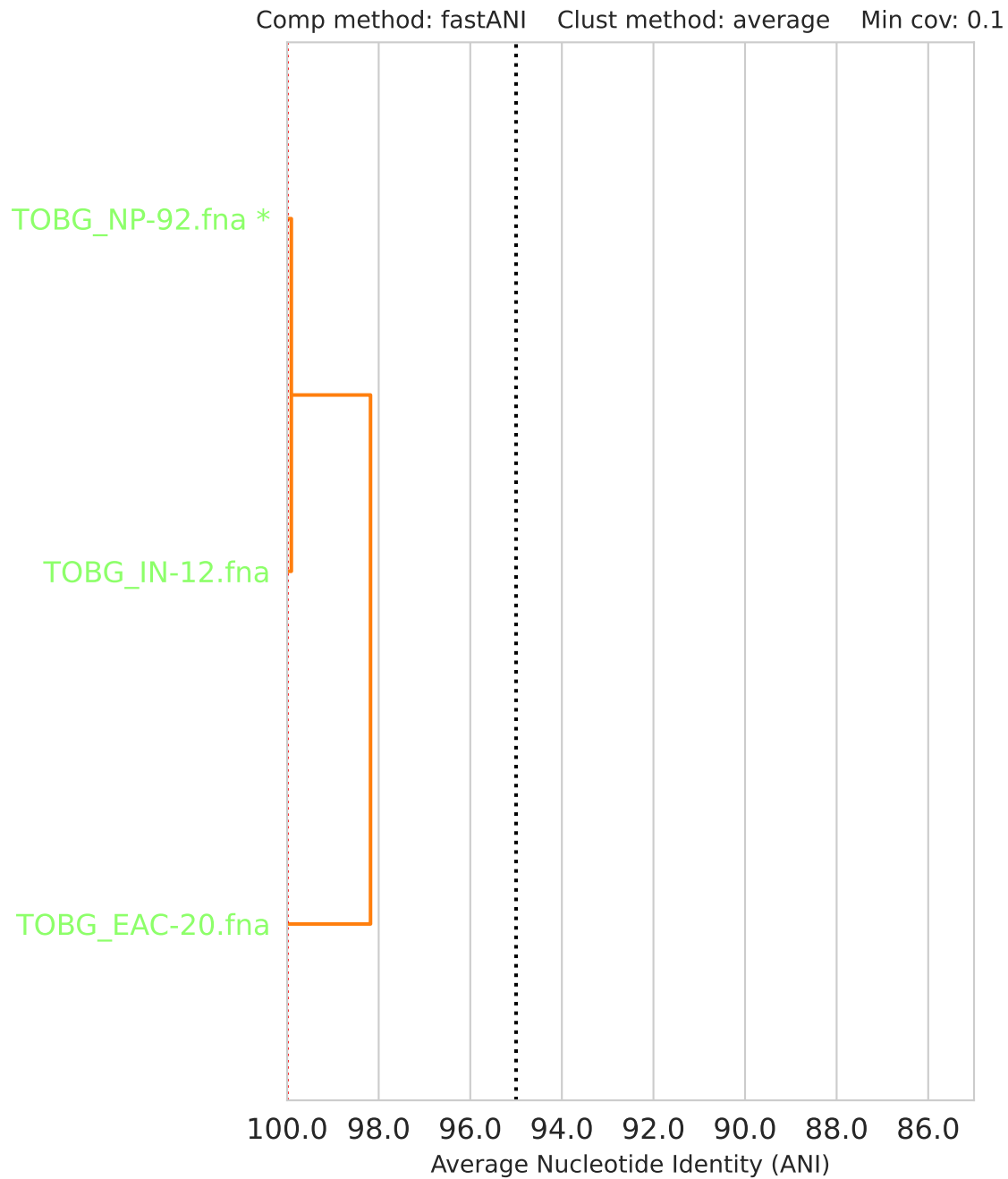
Primary cluster 569



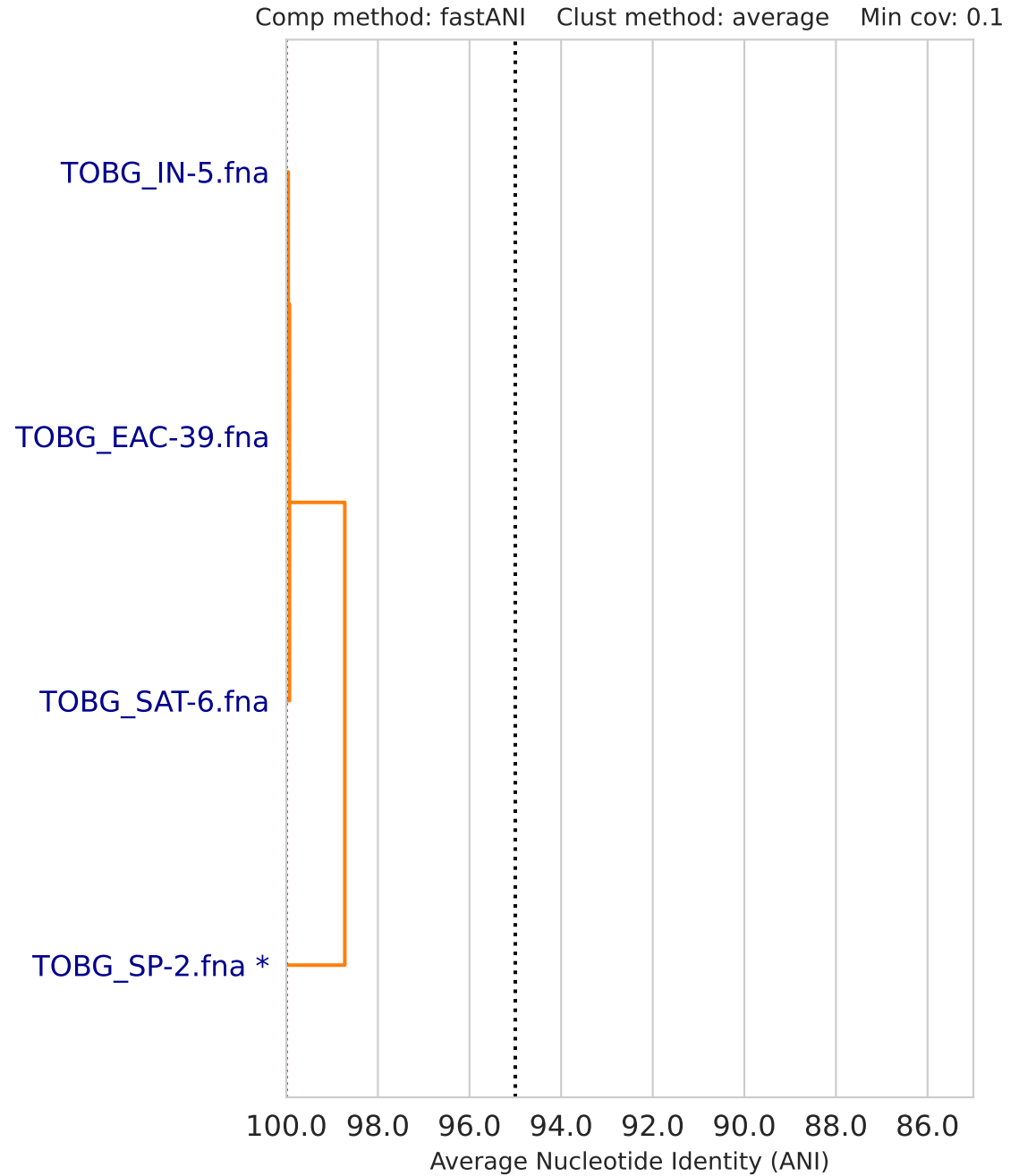
Primary cluster 574



Primary cluster 579



Primary cluster 580



Primary cluster 584

Comp method: fastANI

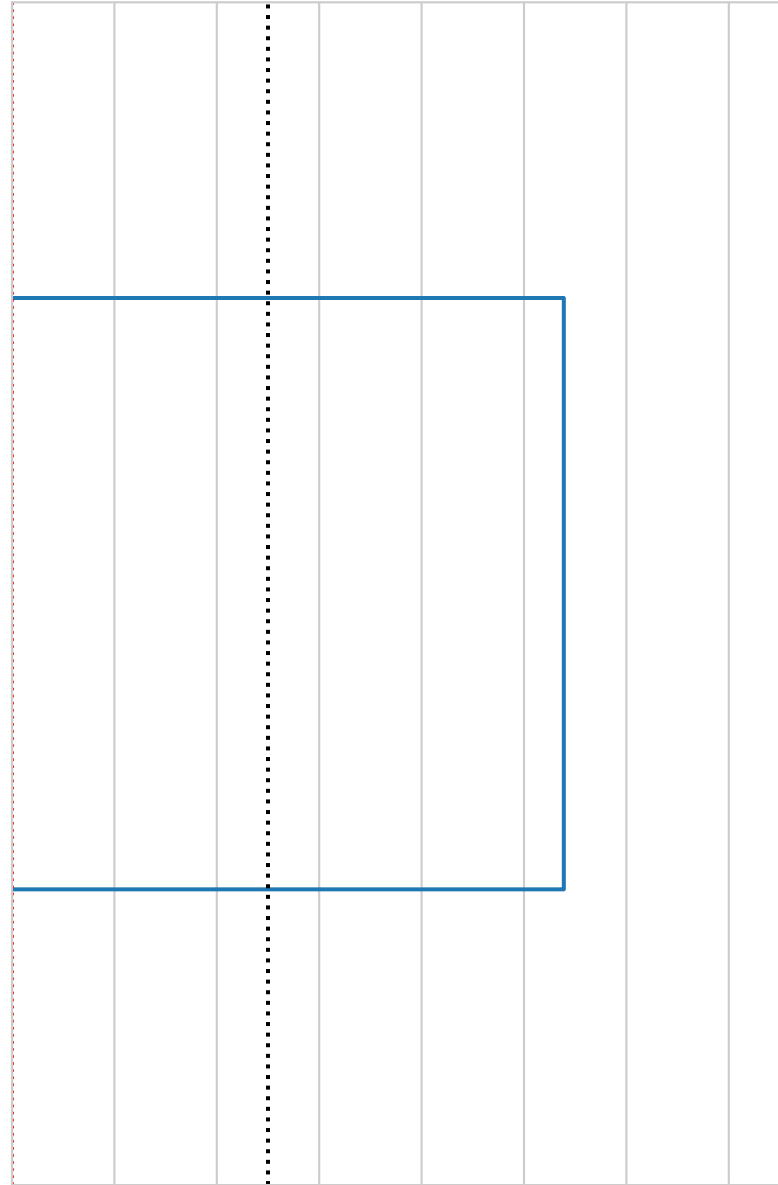
Clust method: average

Min cov: 0.1

TOBG_SAT-1462.fna *

TOBG_NP-42.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 595

Comp method: fastANI

Clust method: average

Min cov: 0.1

TOBG_SP-43.fna

TOBG_NAT-157.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)

Primary cluster 597

Comp method: fastANI

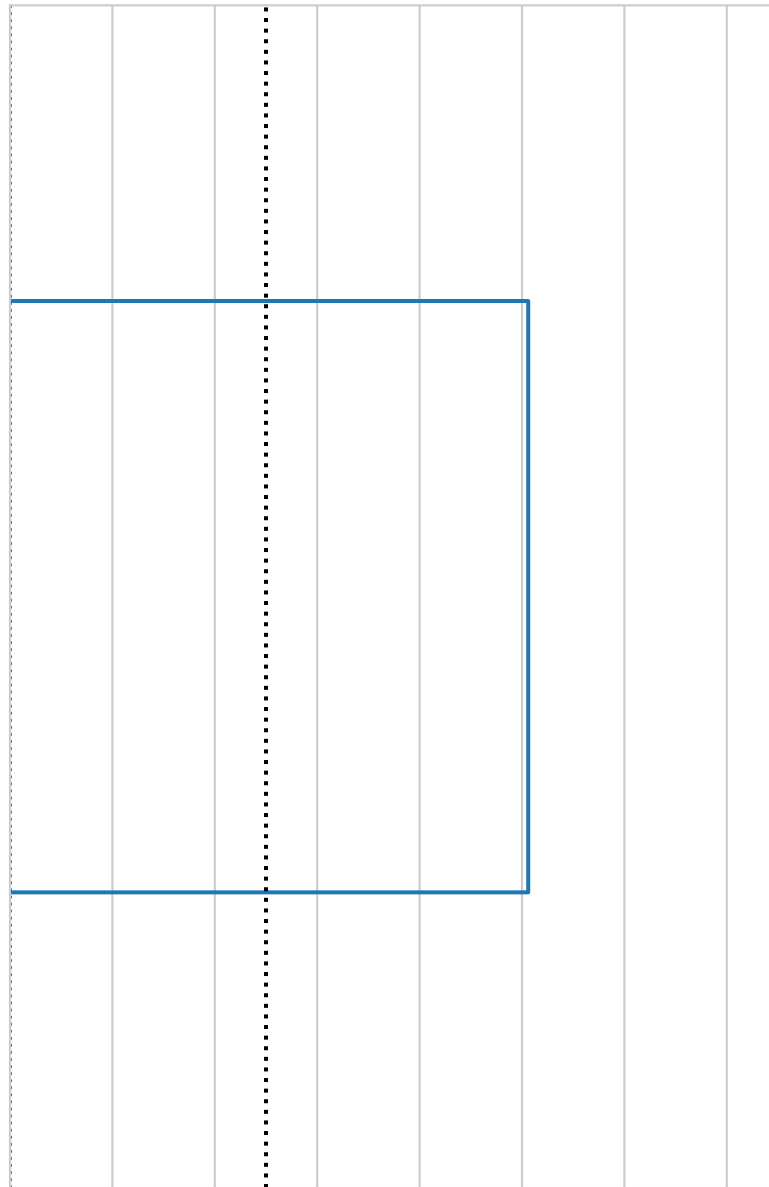
Clust method: average

Min cov: 0.1

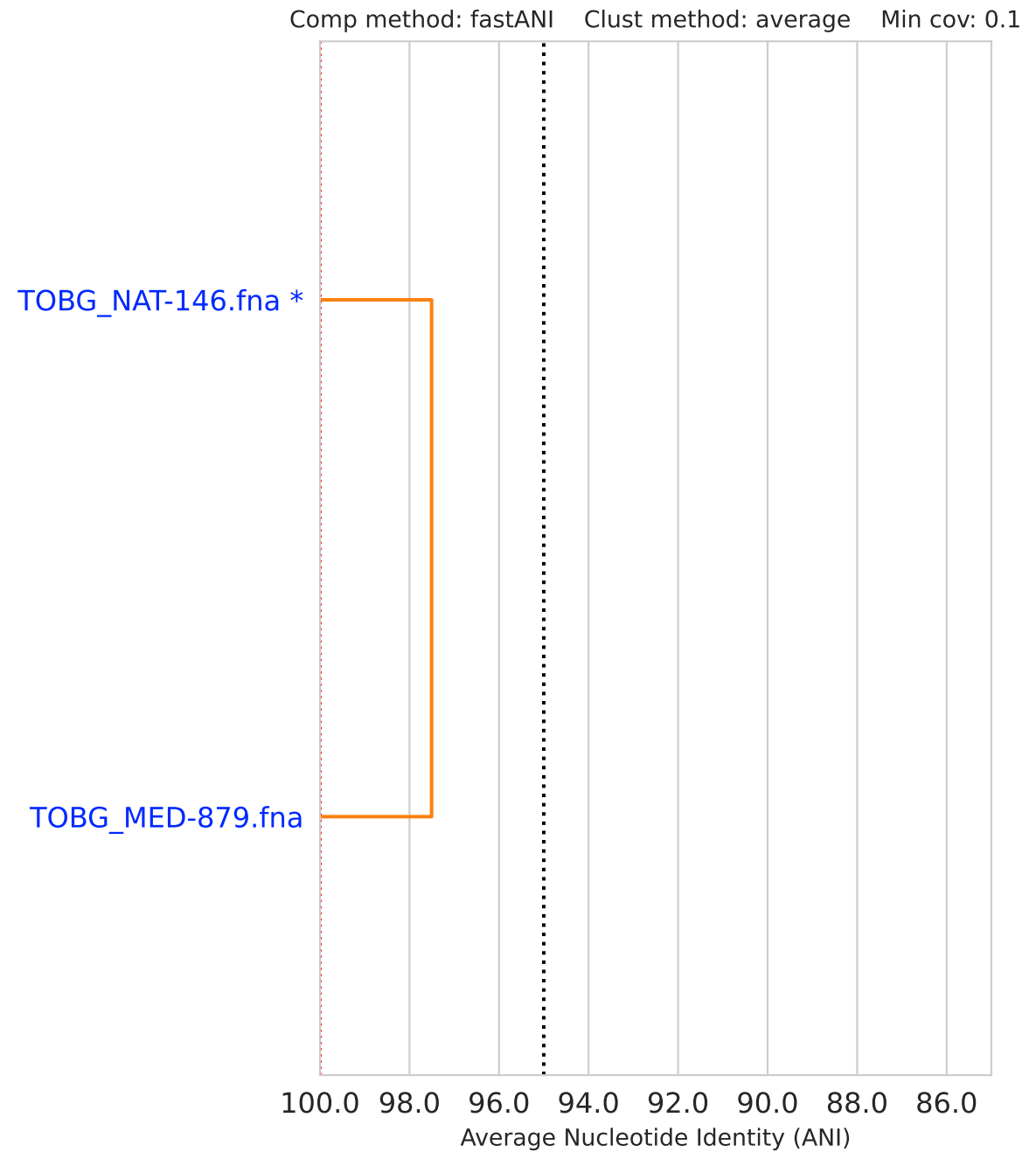
TOBG_NAT-12.fna *

TOBG_MED-649.fna *

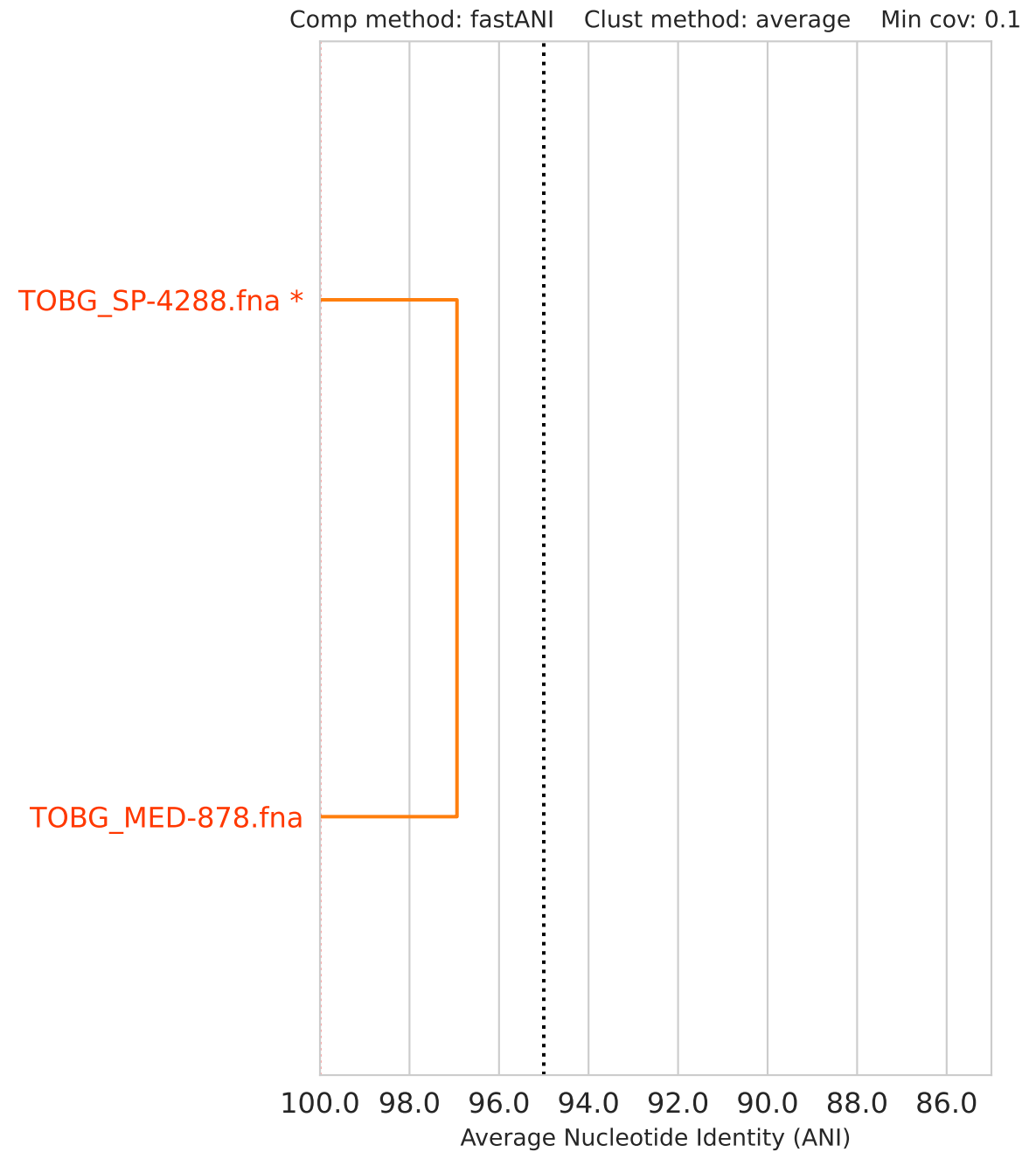
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



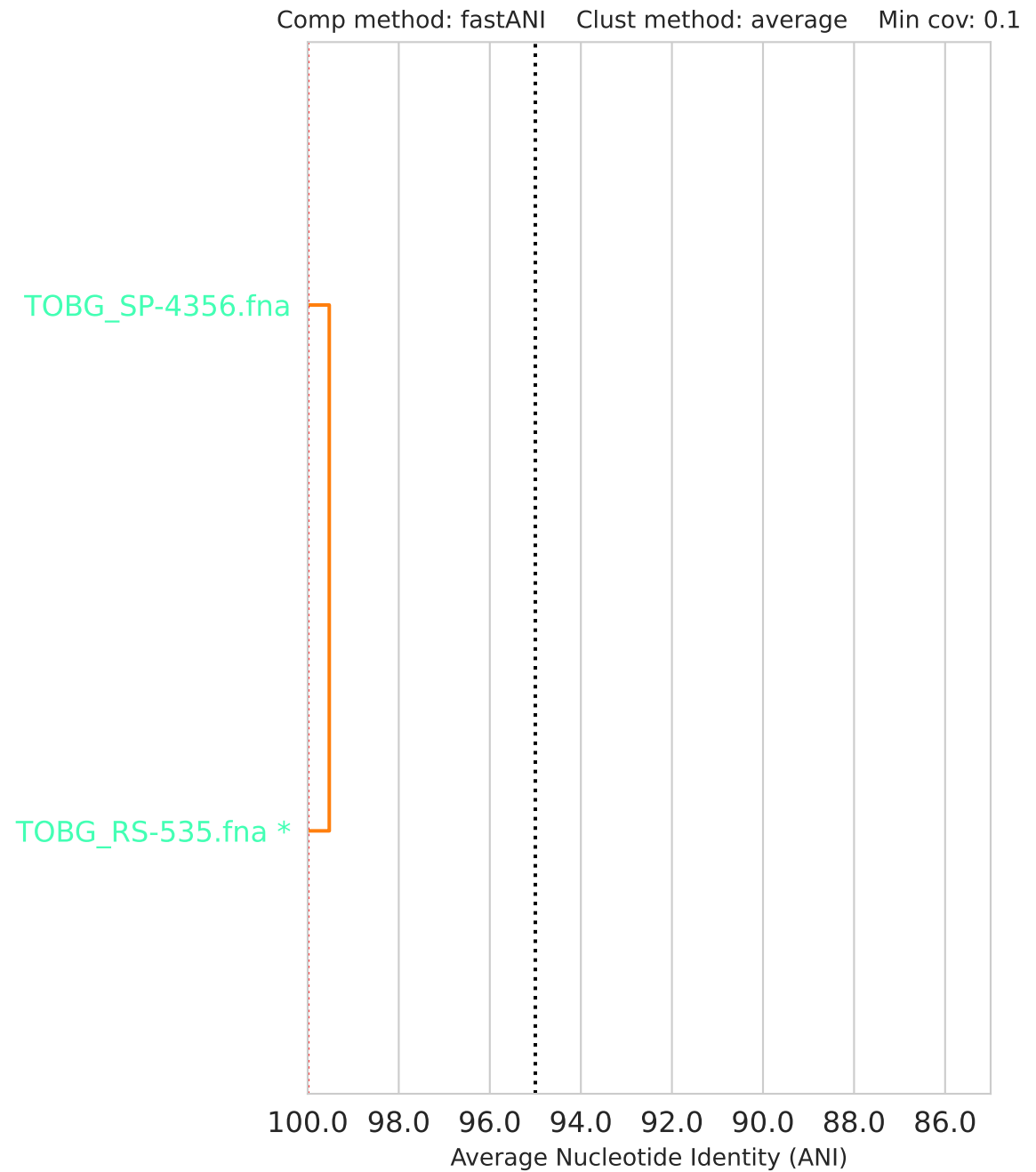
Primary cluster 609



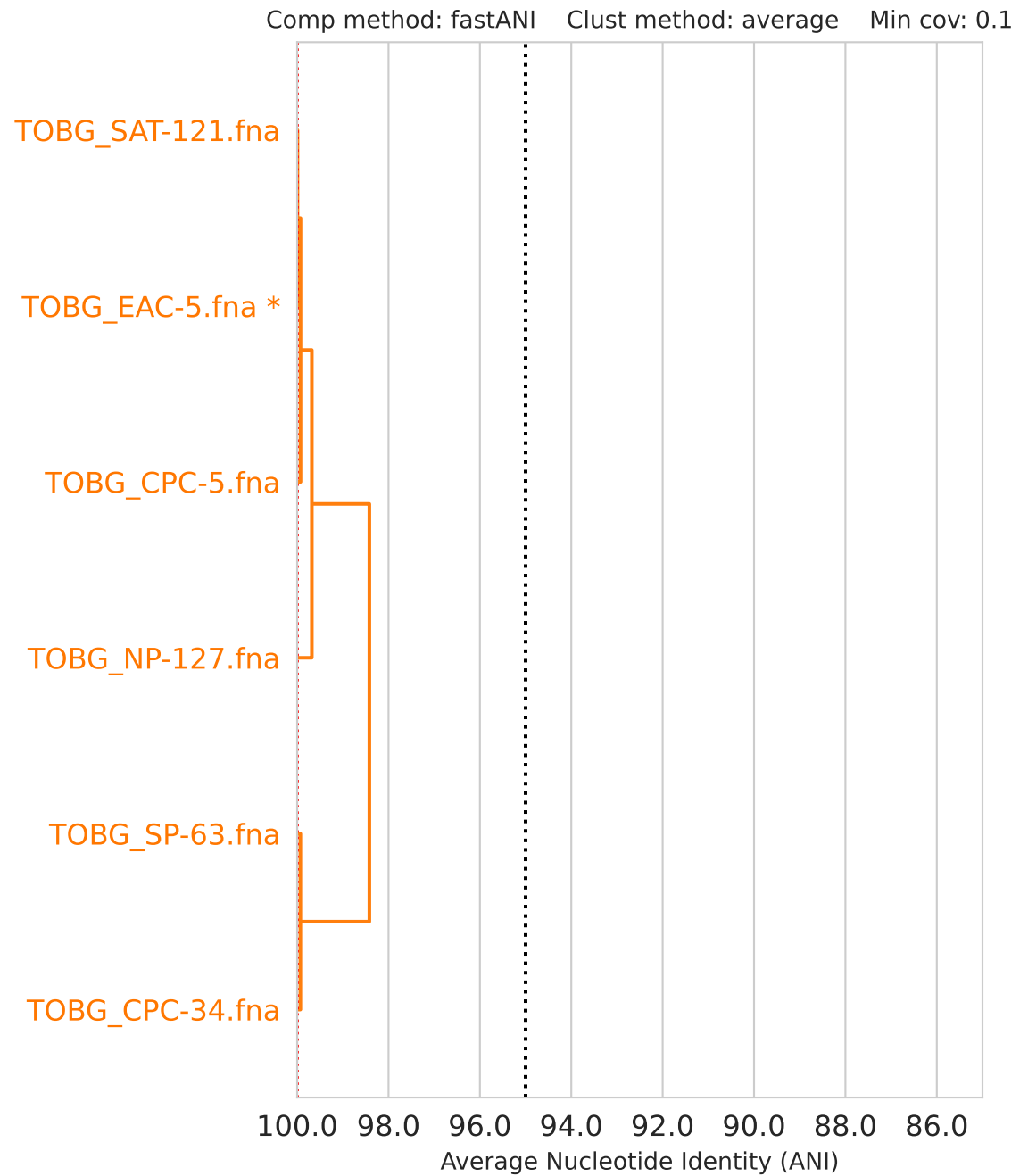
Primary cluster 612



Primary cluster 614



Primary cluster 627



Primary cluster 641

Comp method: fastANI

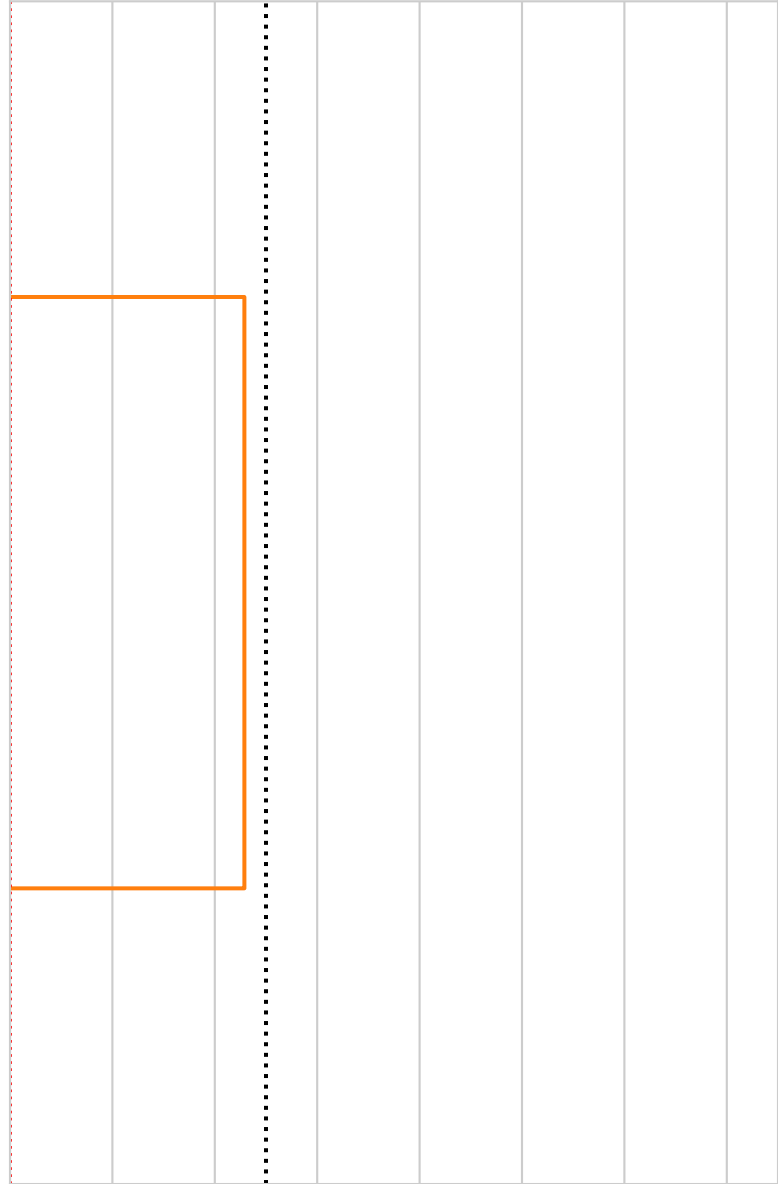
Clust method: average

Min cov: 0.1

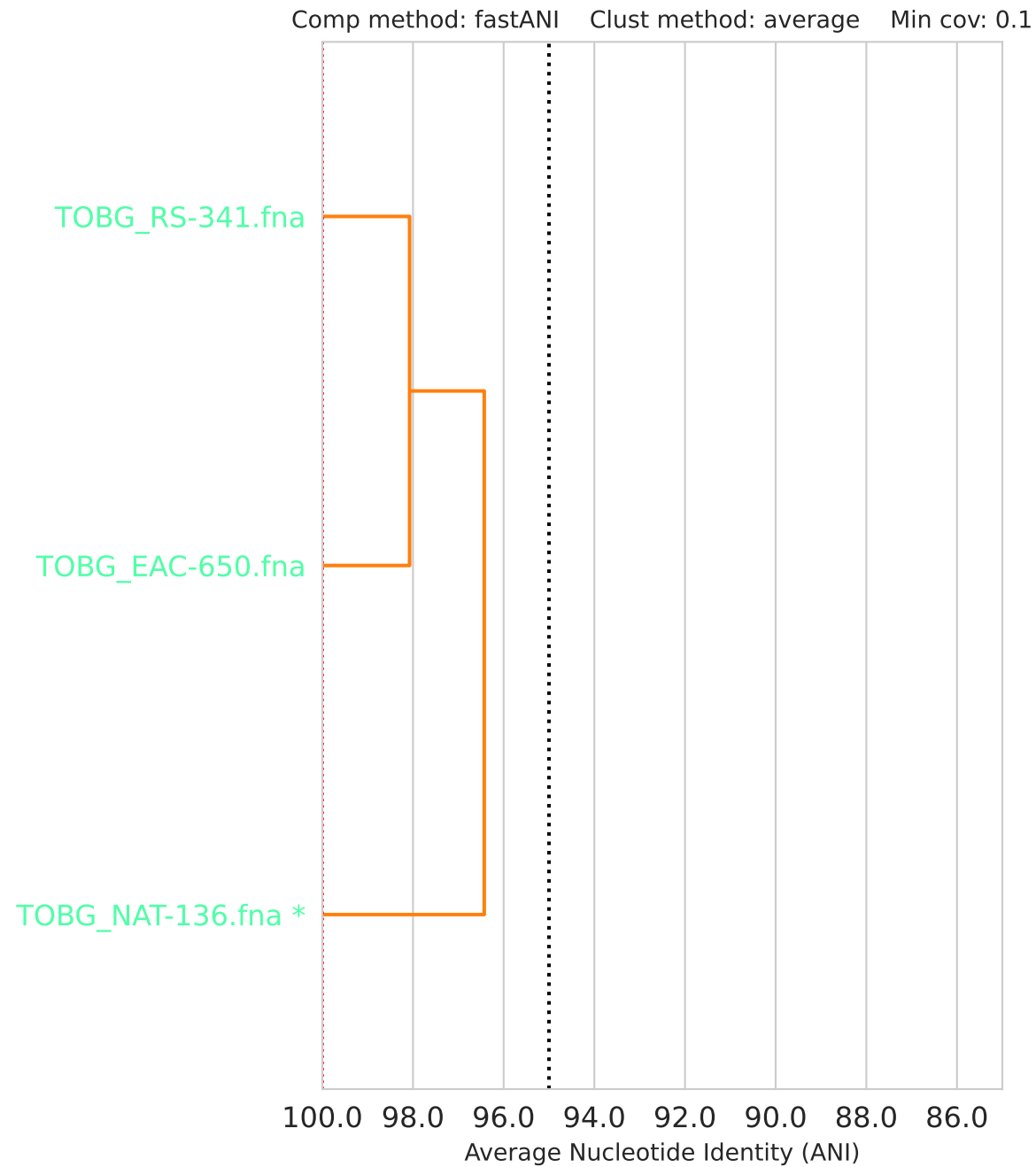
TOBG_SP-47.fna

TOBG_MED-651.fna *

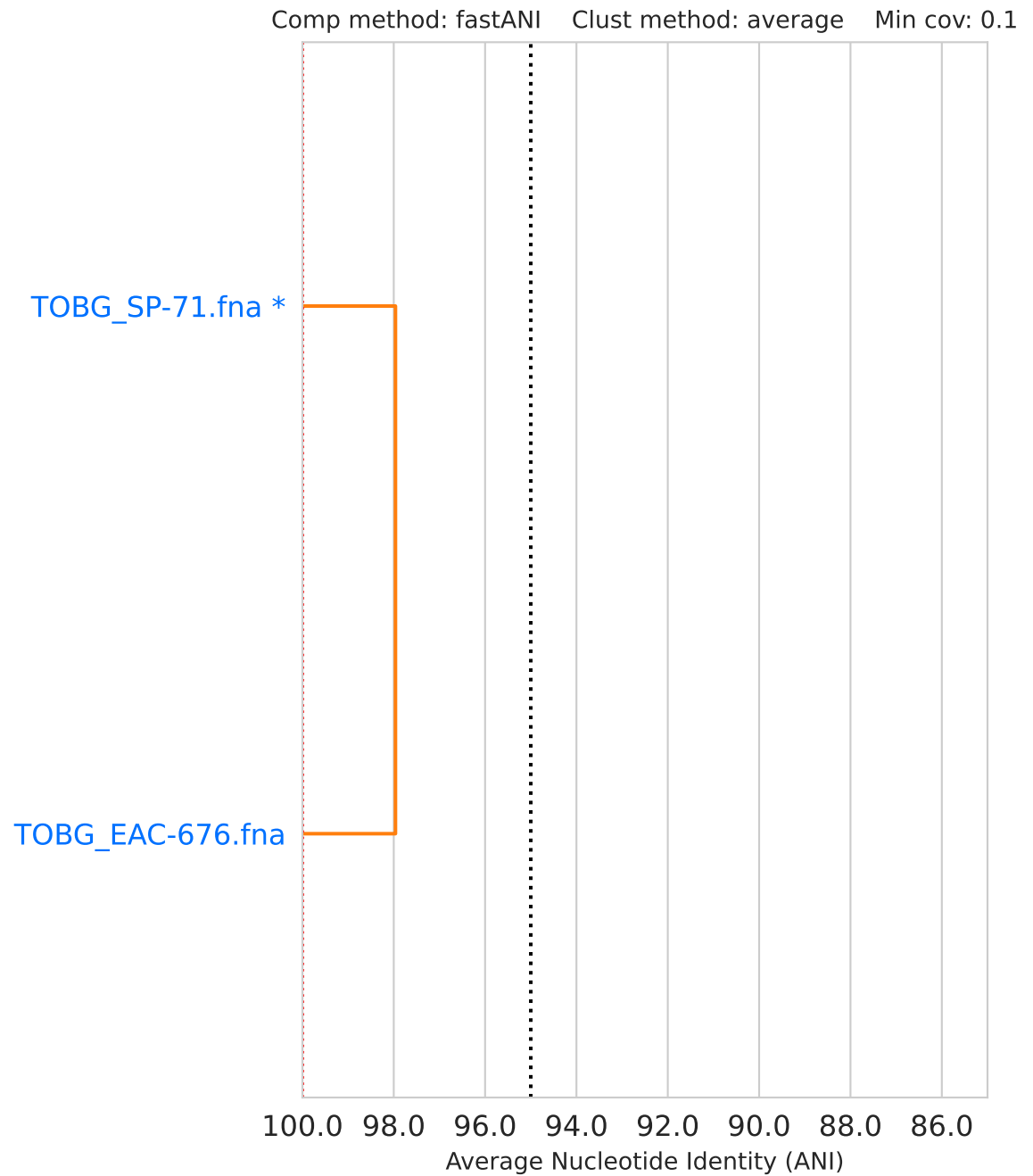
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 642



Primary cluster 647



Primary cluster 649

Comp method: fastANI

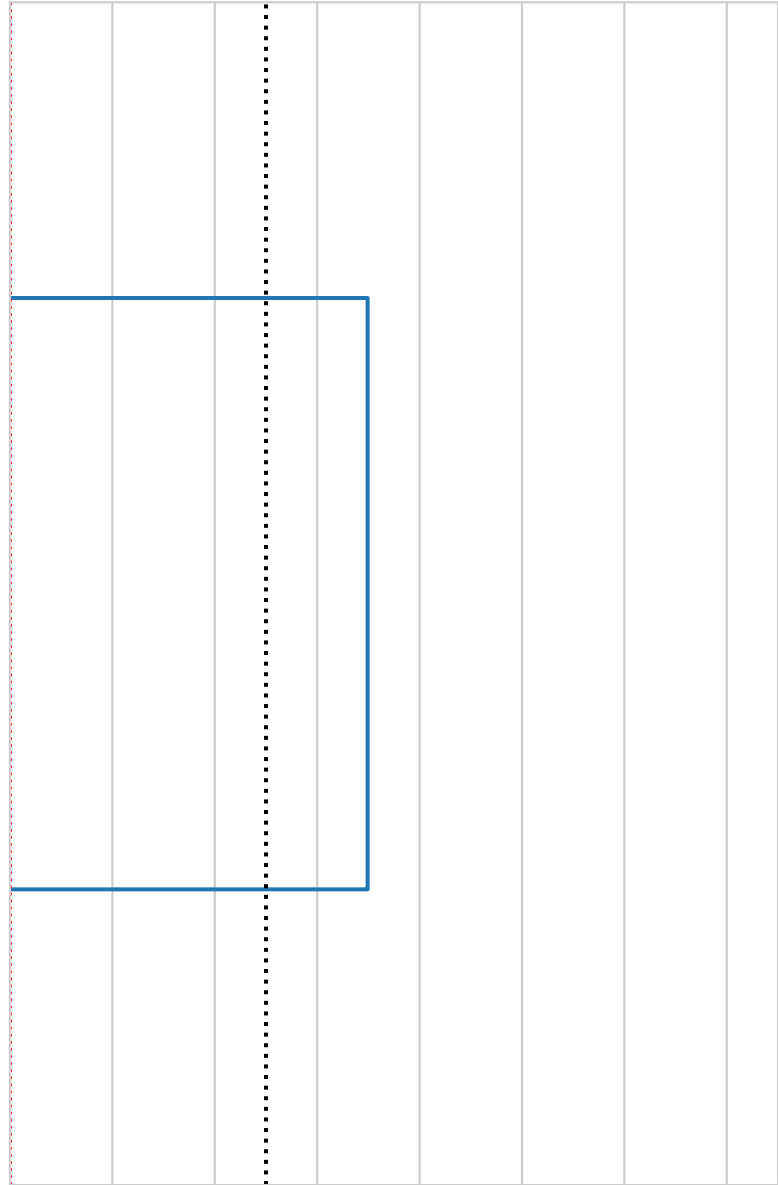
Clust method: average

Min cov: 0.1

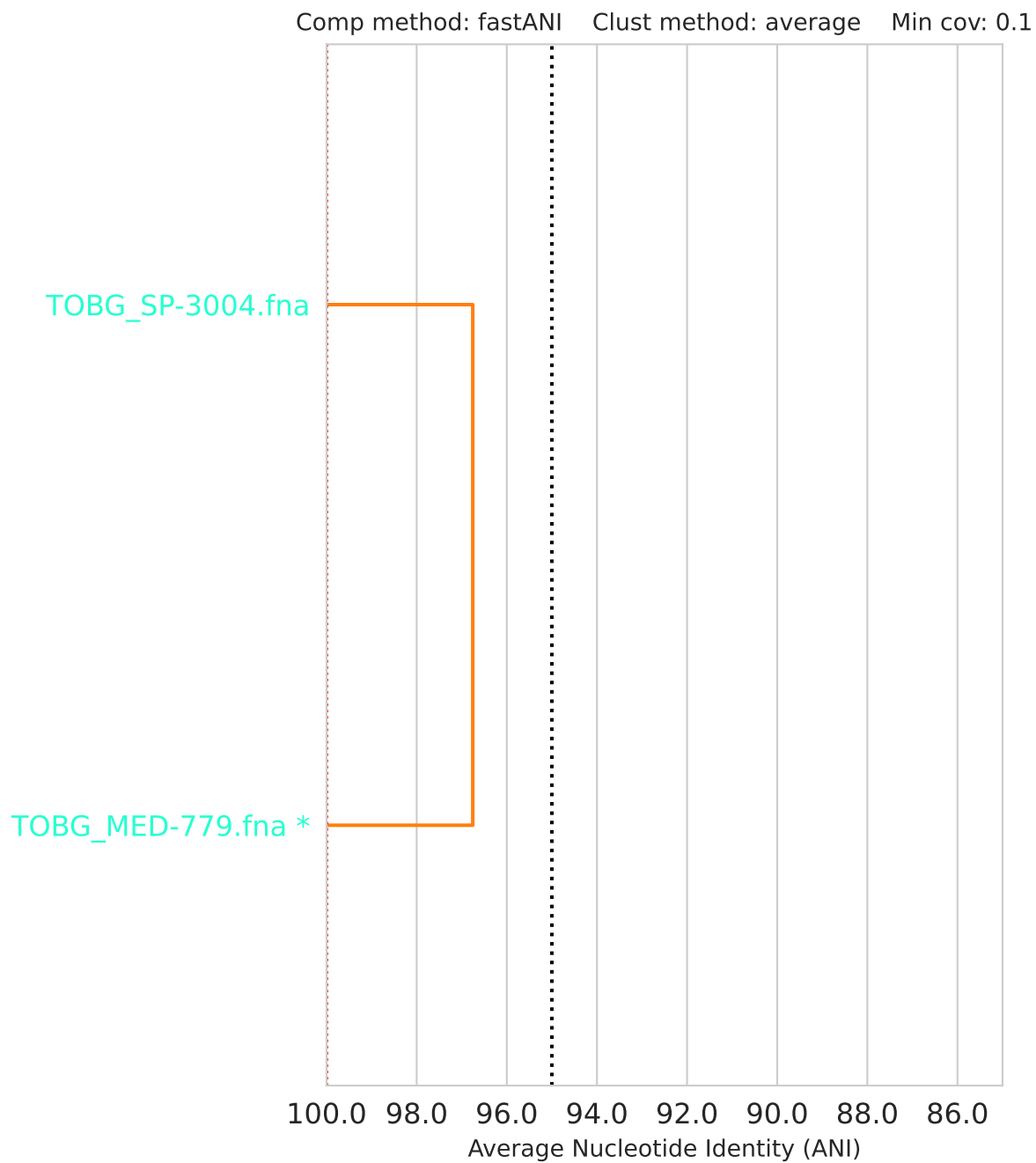
TOBG_RS-431.fna *

TOBG_NAT-55.fna *

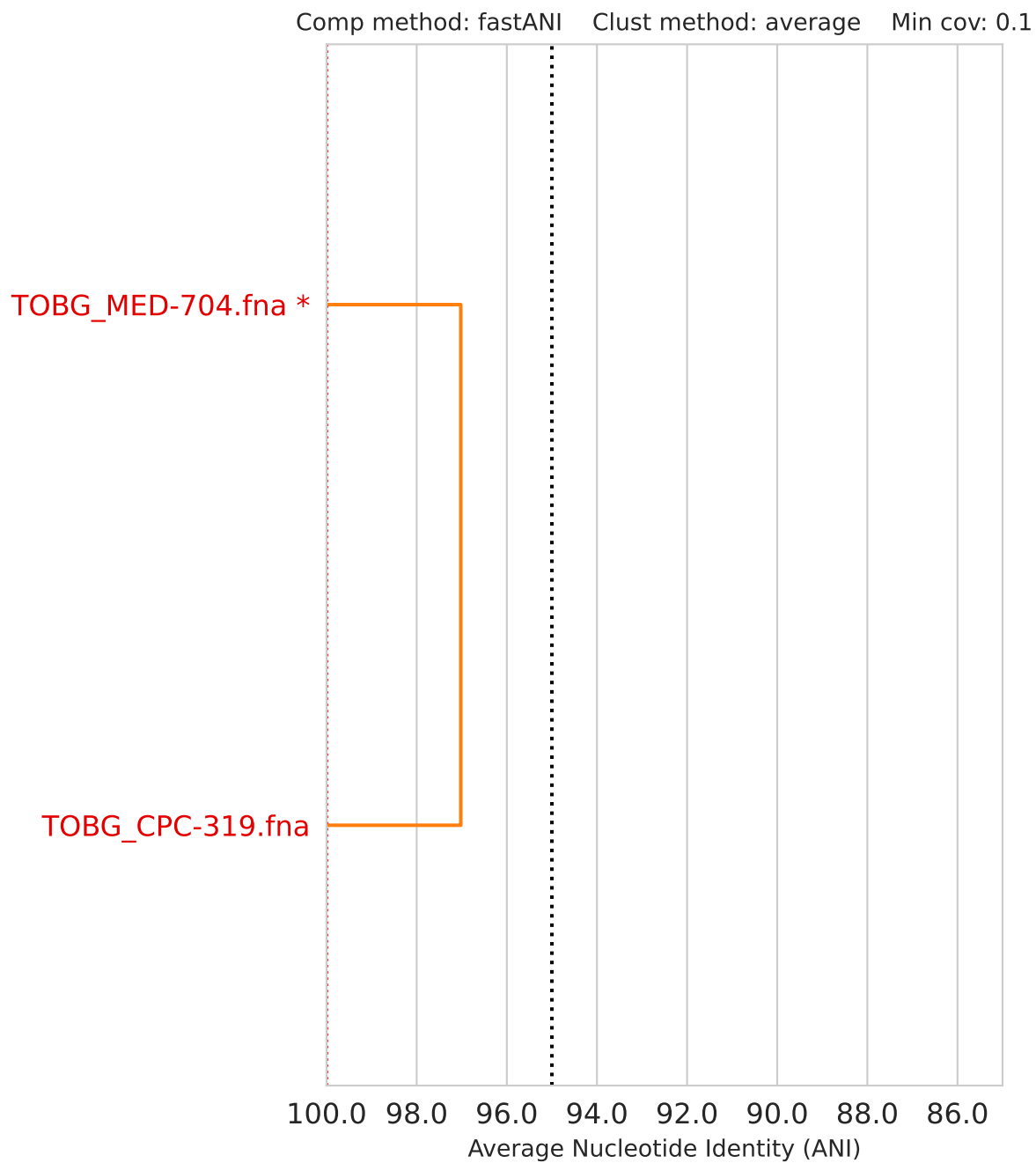
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



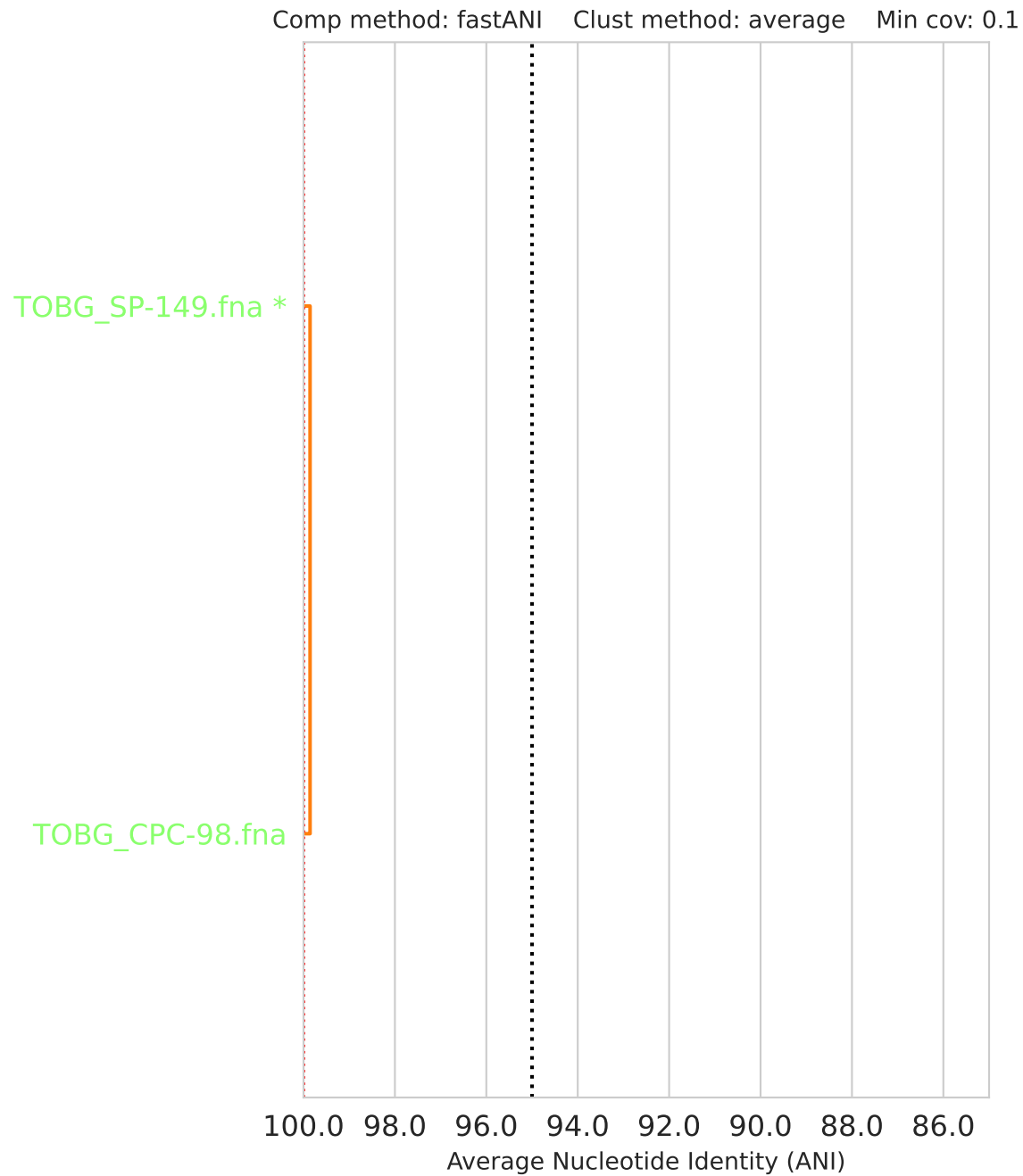
Primary cluster 657



Primary cluster 671



Primary cluster 685



Primary cluster 694

Comp method: fastANI

Clust method: average

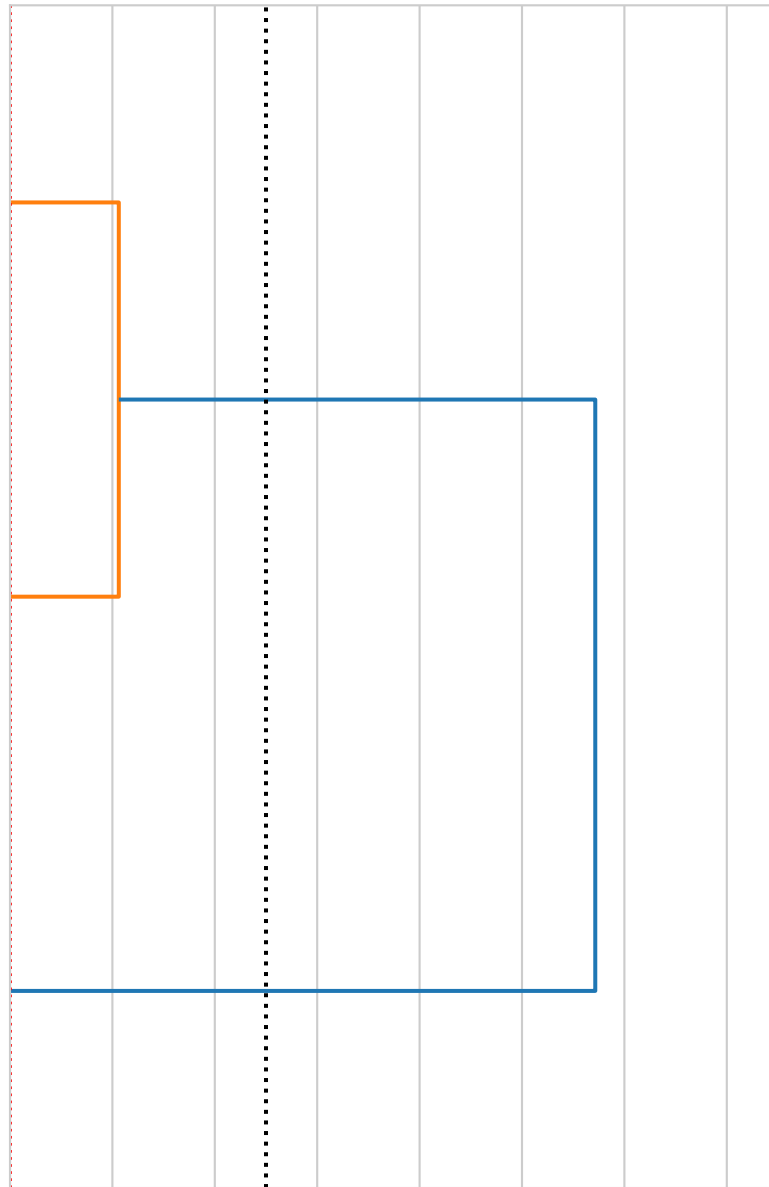
Min cov: 0.1

TOBG_SP-190.fna *

TOBG_RS-439.fna

TOBG_MED-1247.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 698

Comp method: fastANI

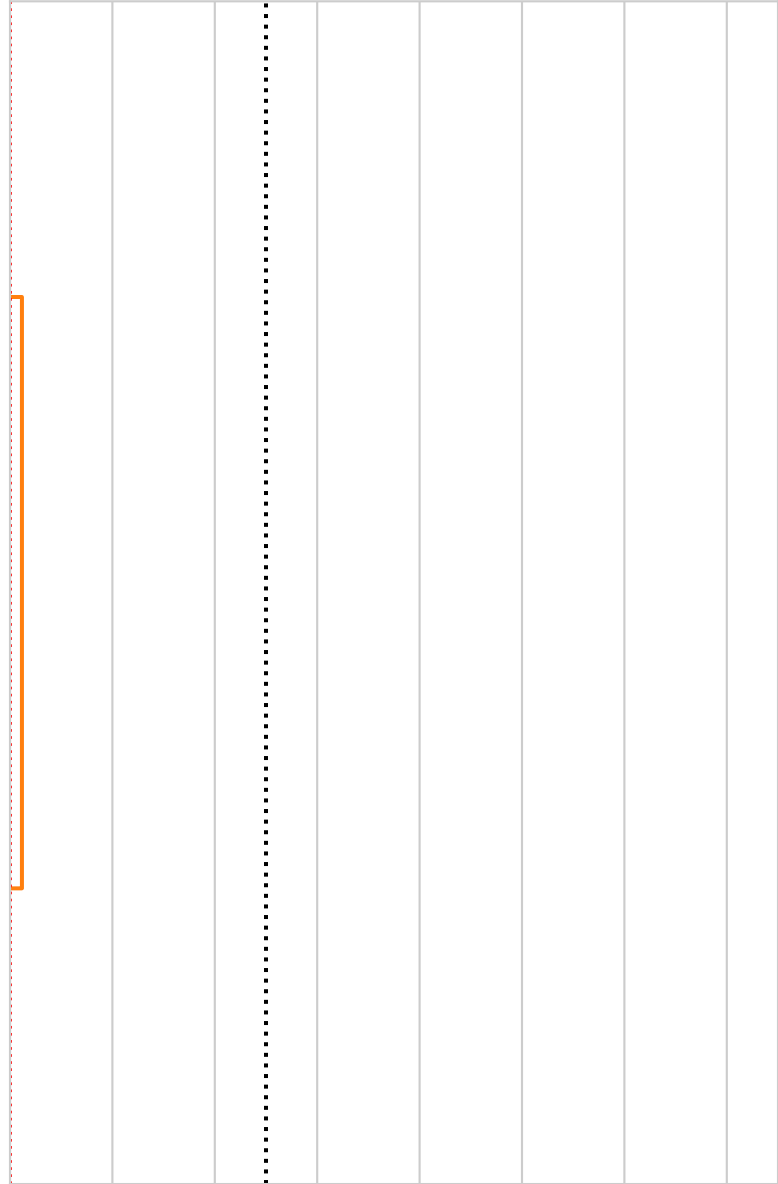
Clust method: average

Min cov: 0.1

TOBG_SAT-104.fna *

TOBG_EAC-95.fna

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 699

Comp method: fastANI

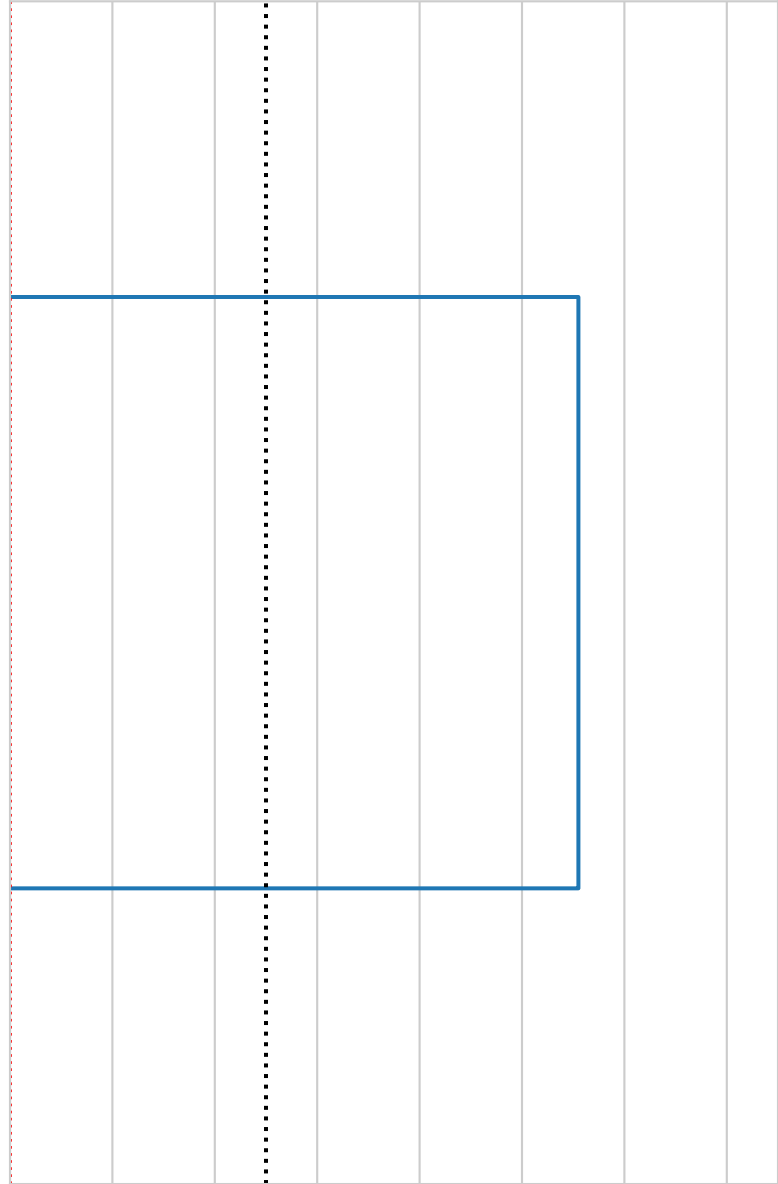
Clust method: average

Min cov: 0.1

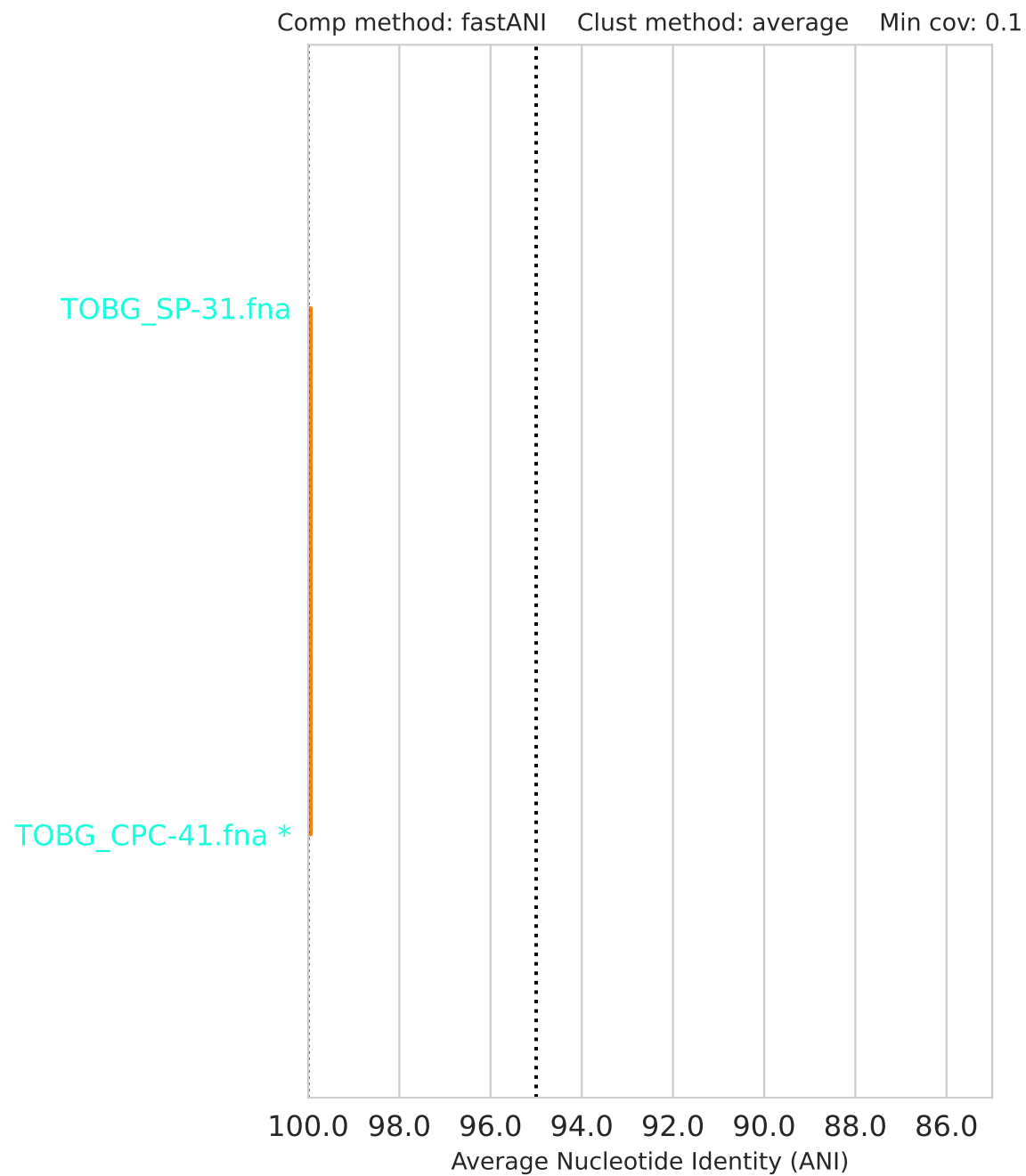
TOBG_MED-604.fna *

TOBG_MED-603.fna *

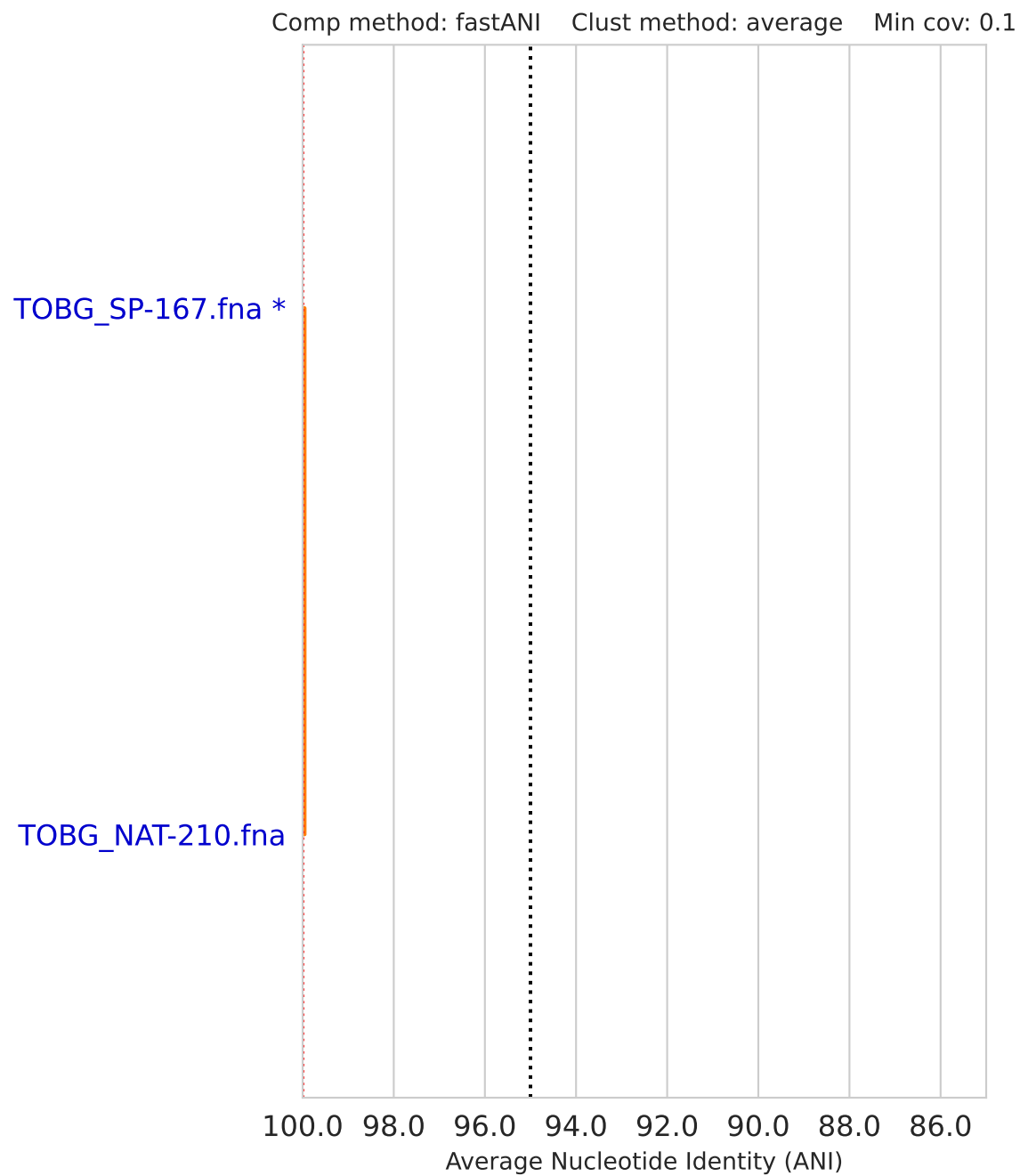
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



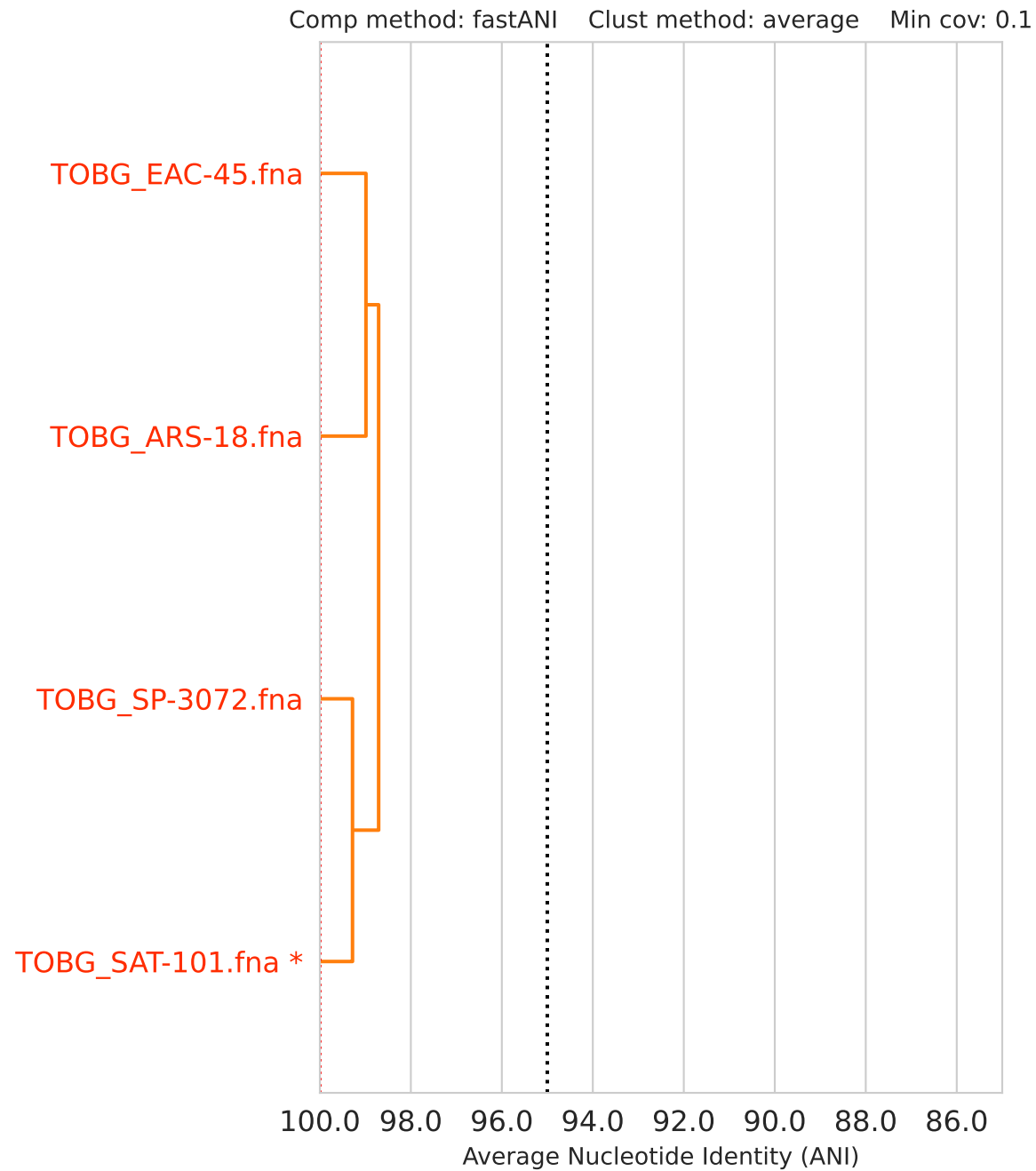
Primary cluster 700



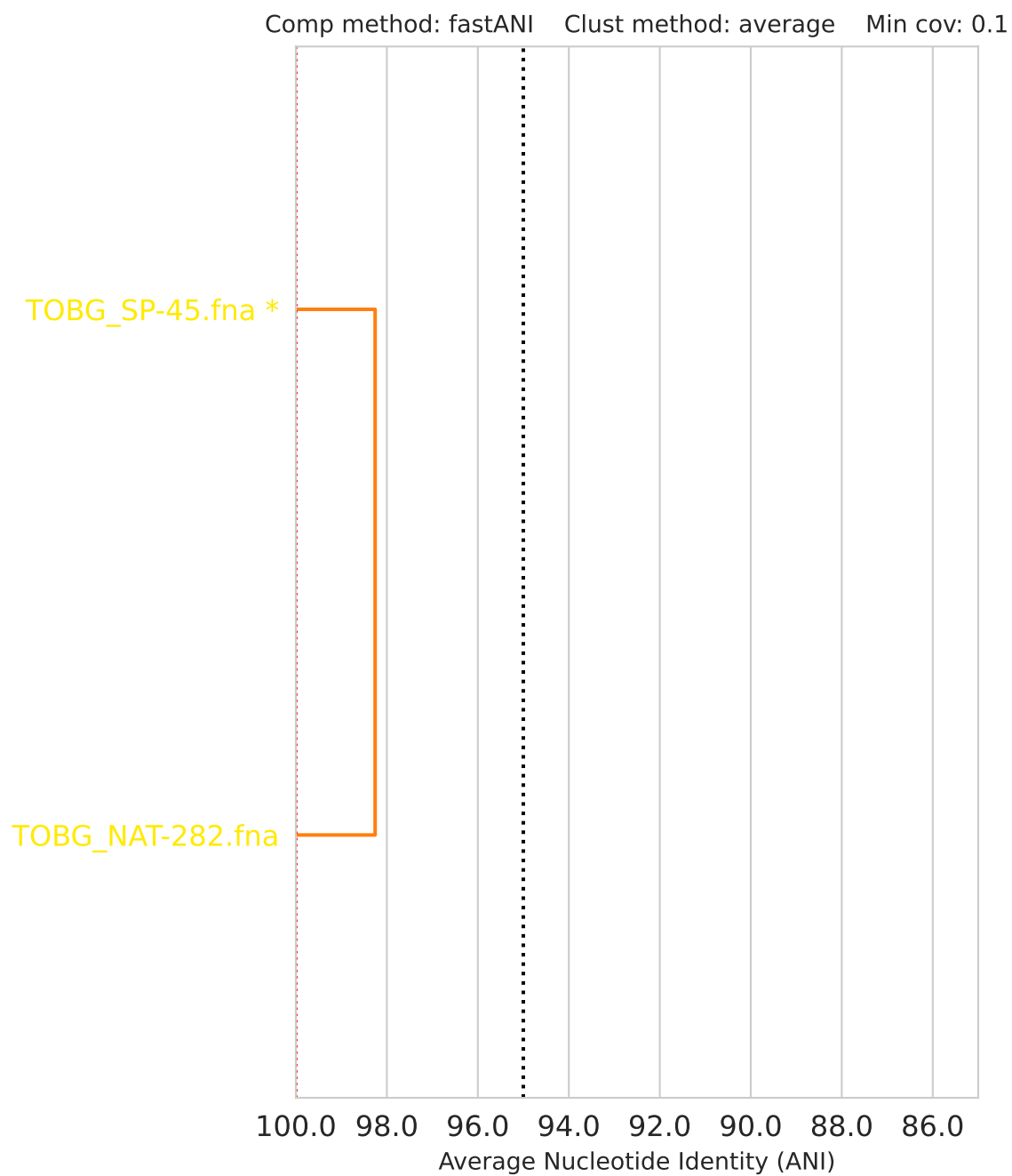
Primary cluster 707



Primary cluster 708



Primary cluster 709



Primary cluster 710

Comp method: fastANI

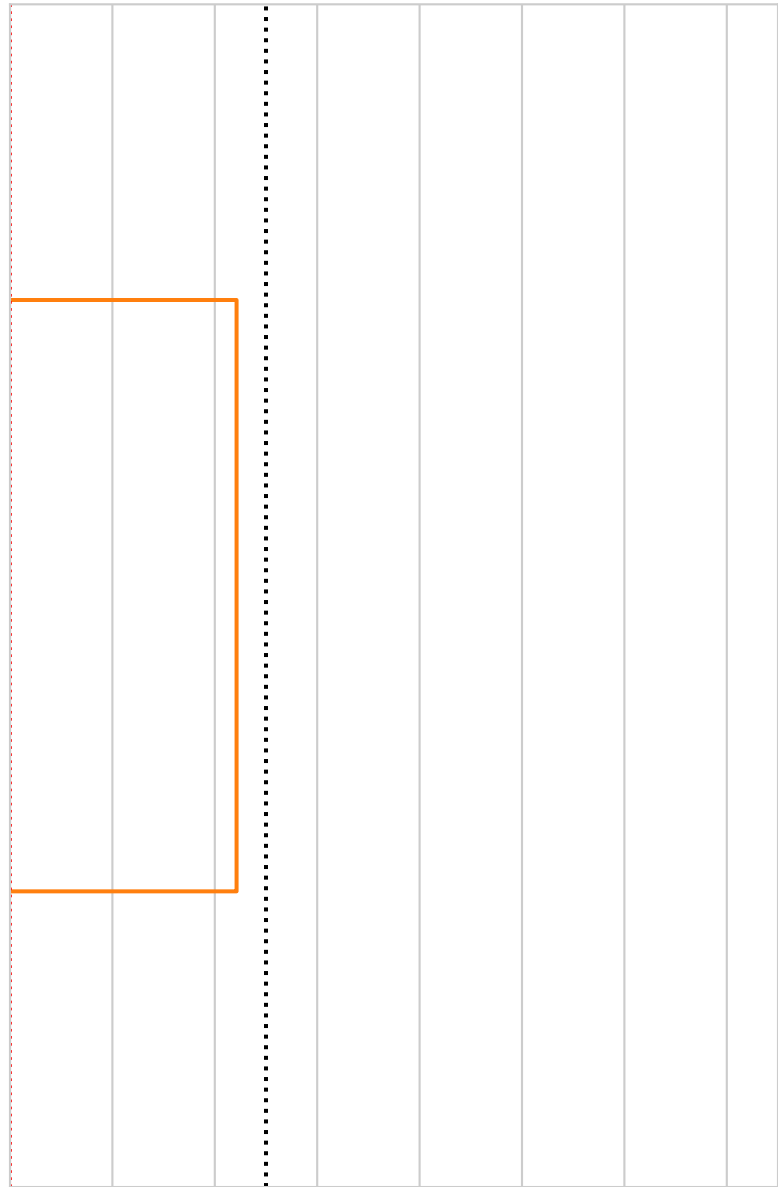
Clust method: average

Min cov: 0.1

TOBG_SP-305.fna

TOBG_SAT-105.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 712

Comp method: fastANI

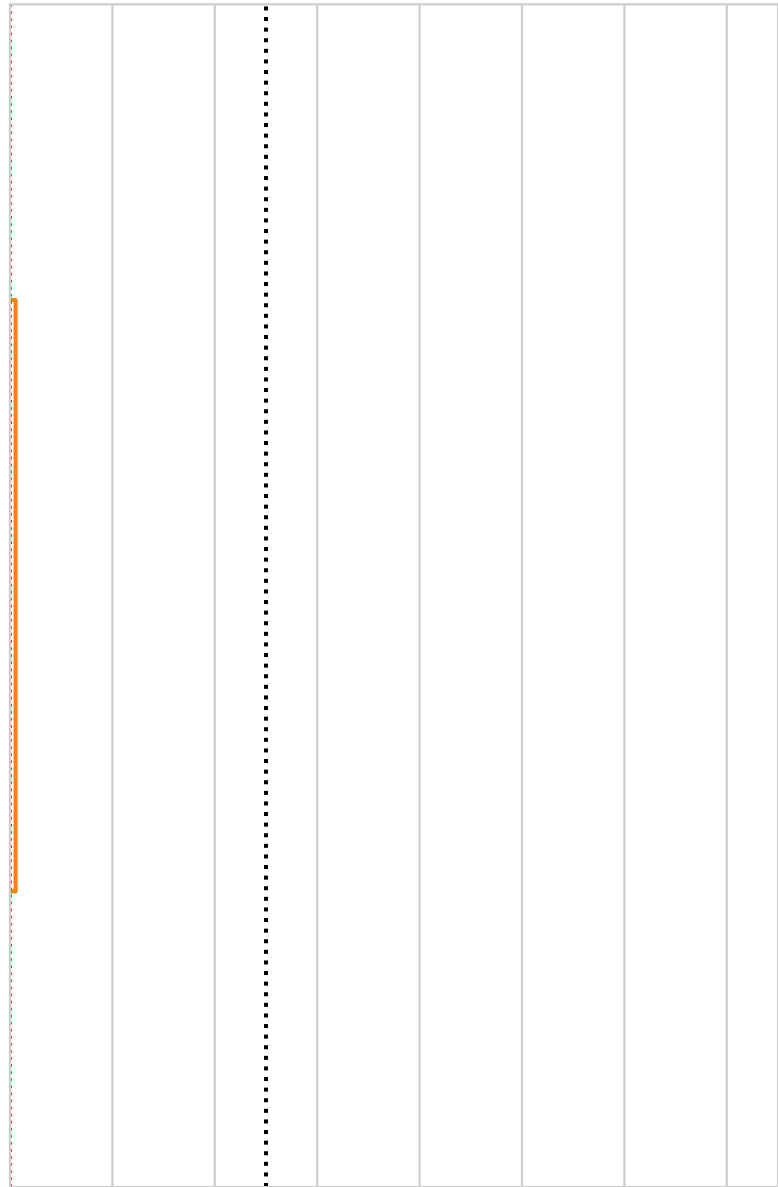
Clust method: average

Min cov: 0.1

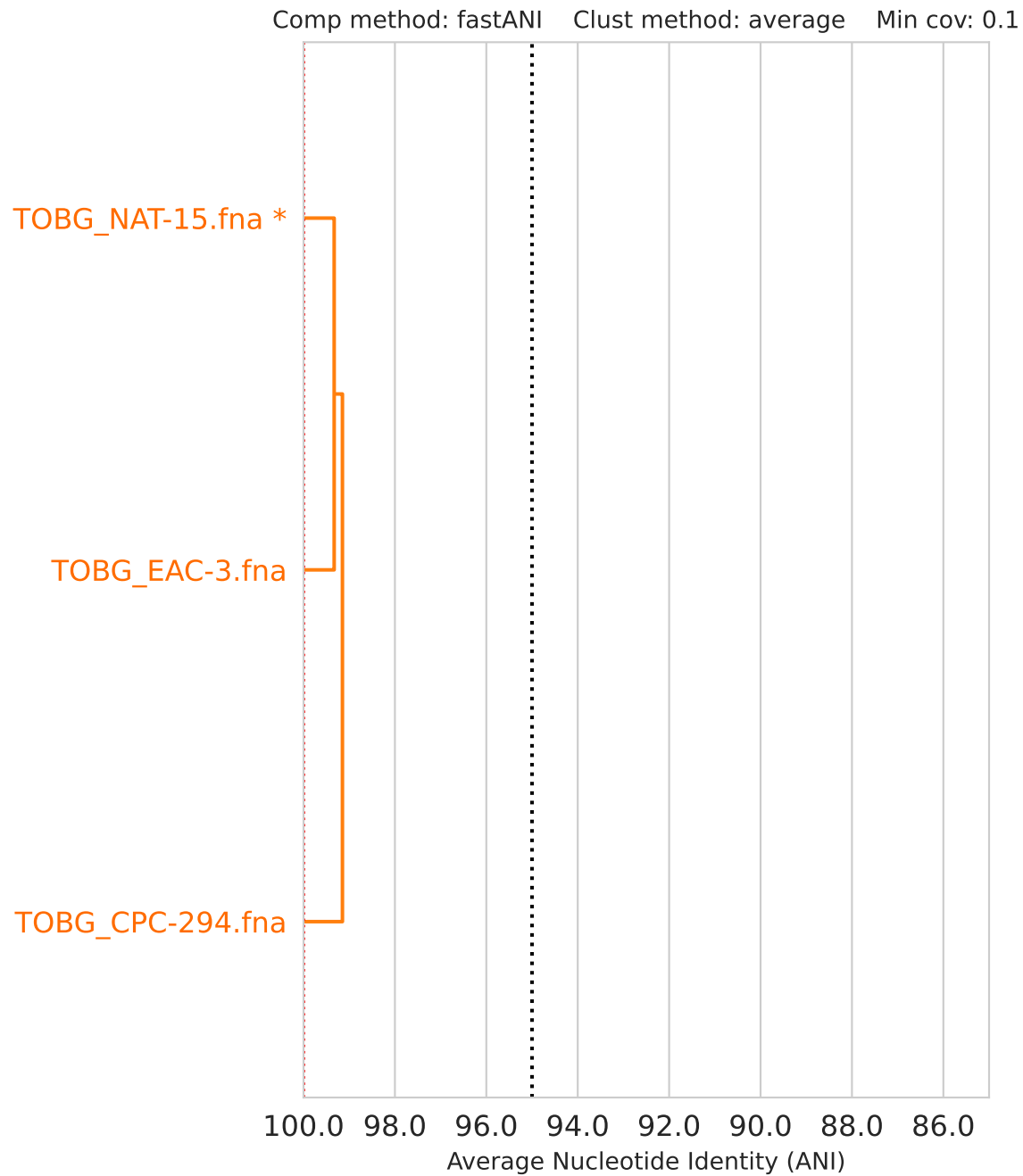
TOBG_SP-74.fna

TOBG_EAC-74.fna *

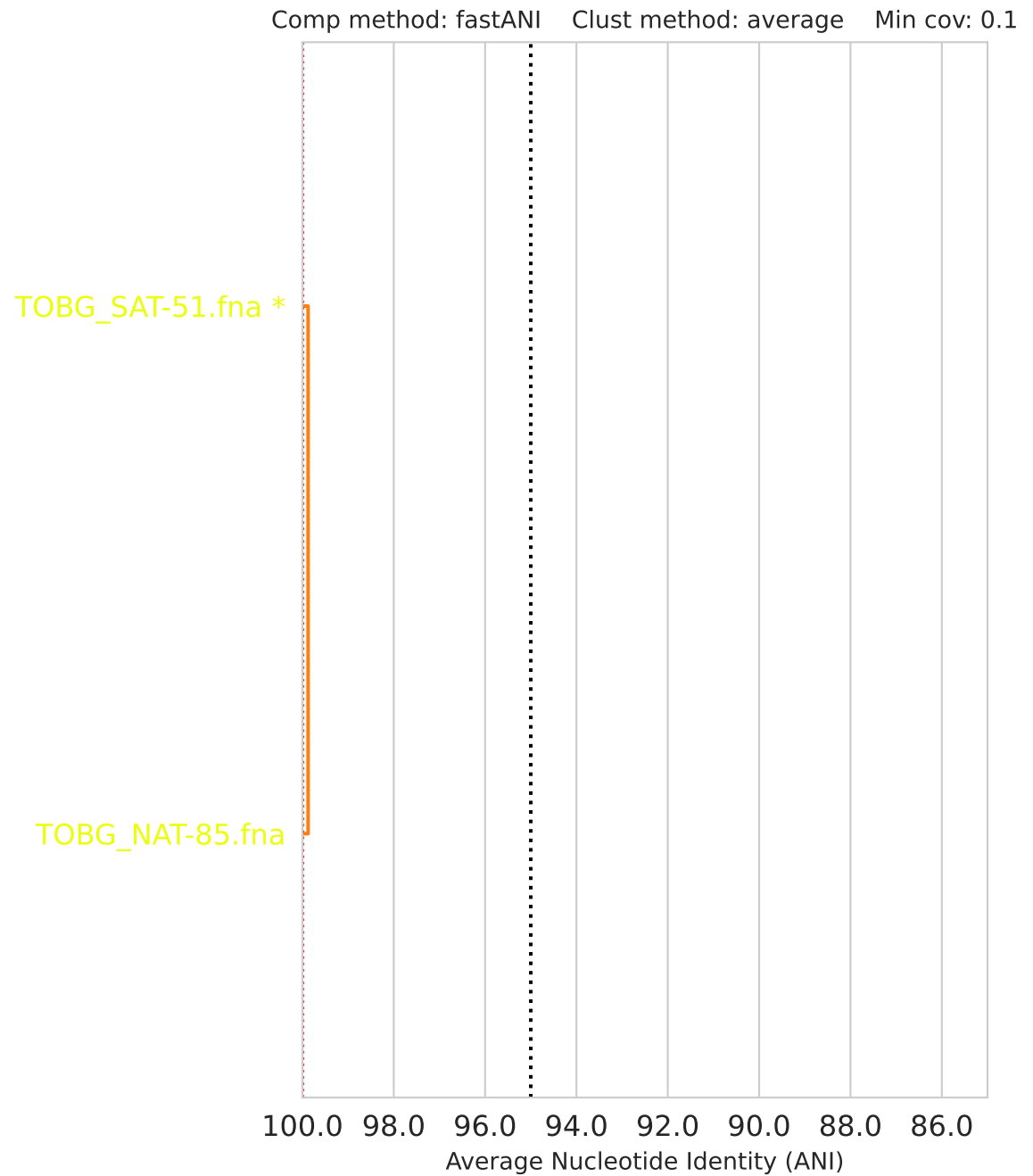
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



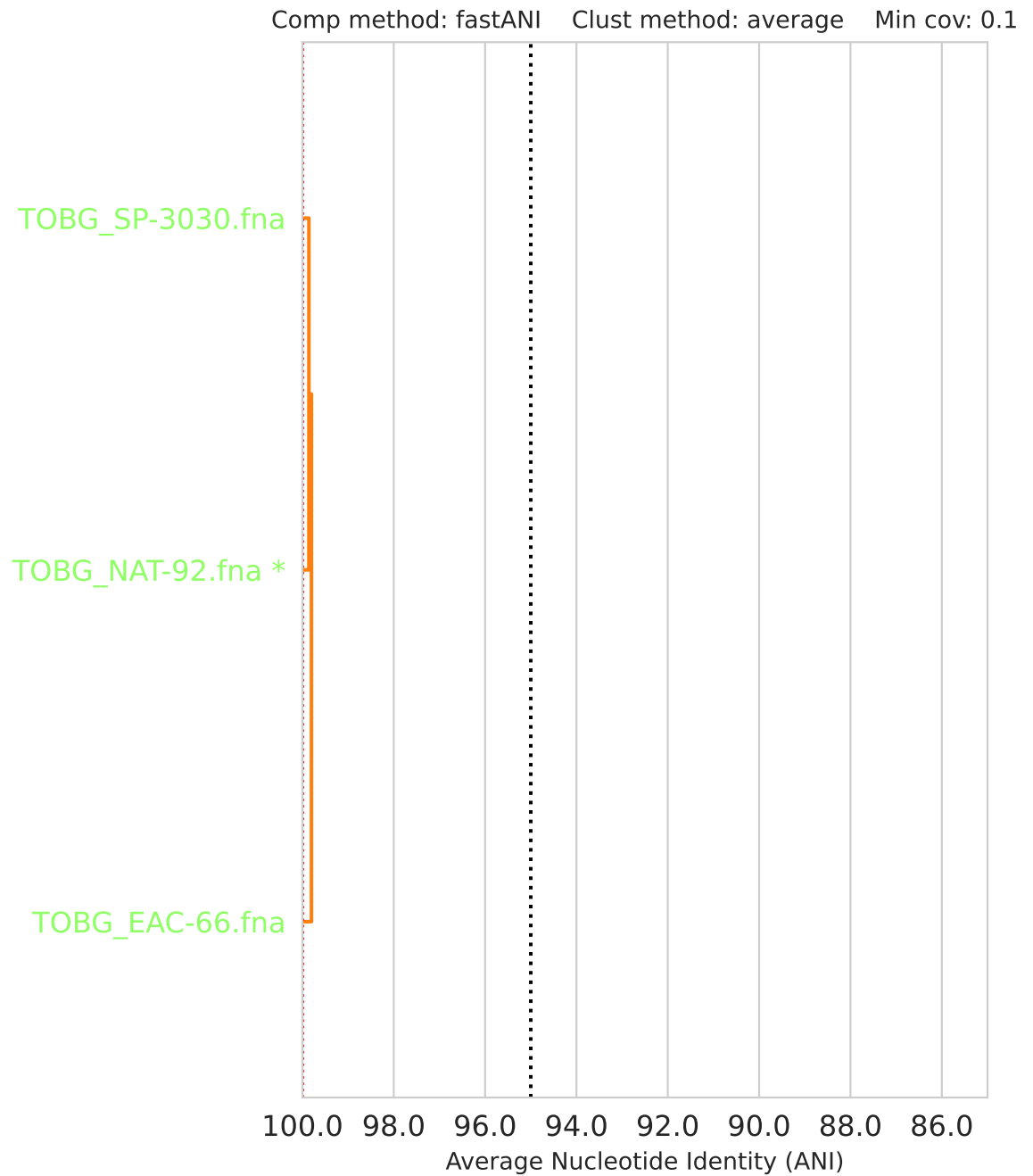
Primary cluster 714



Primary cluster 716



Primary cluster 717



Primary cluster 728

Comp method: fastANI

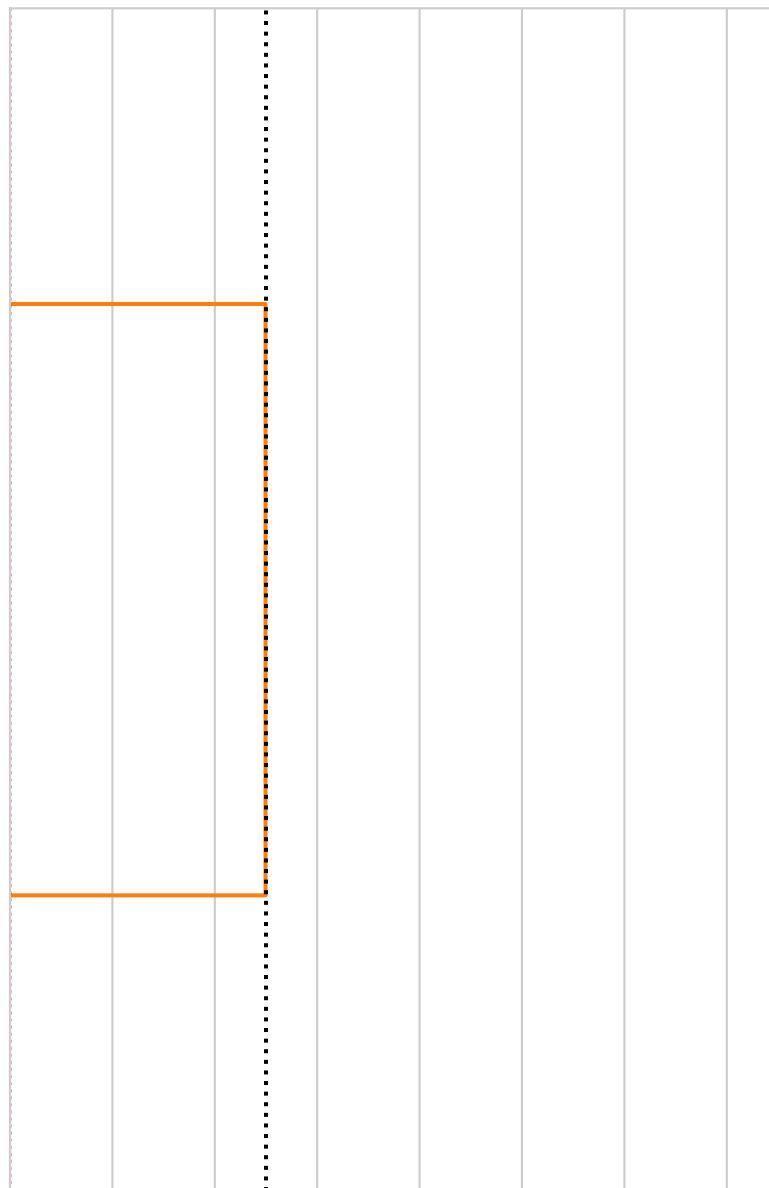
Clust method: average

Min cov: 0.1

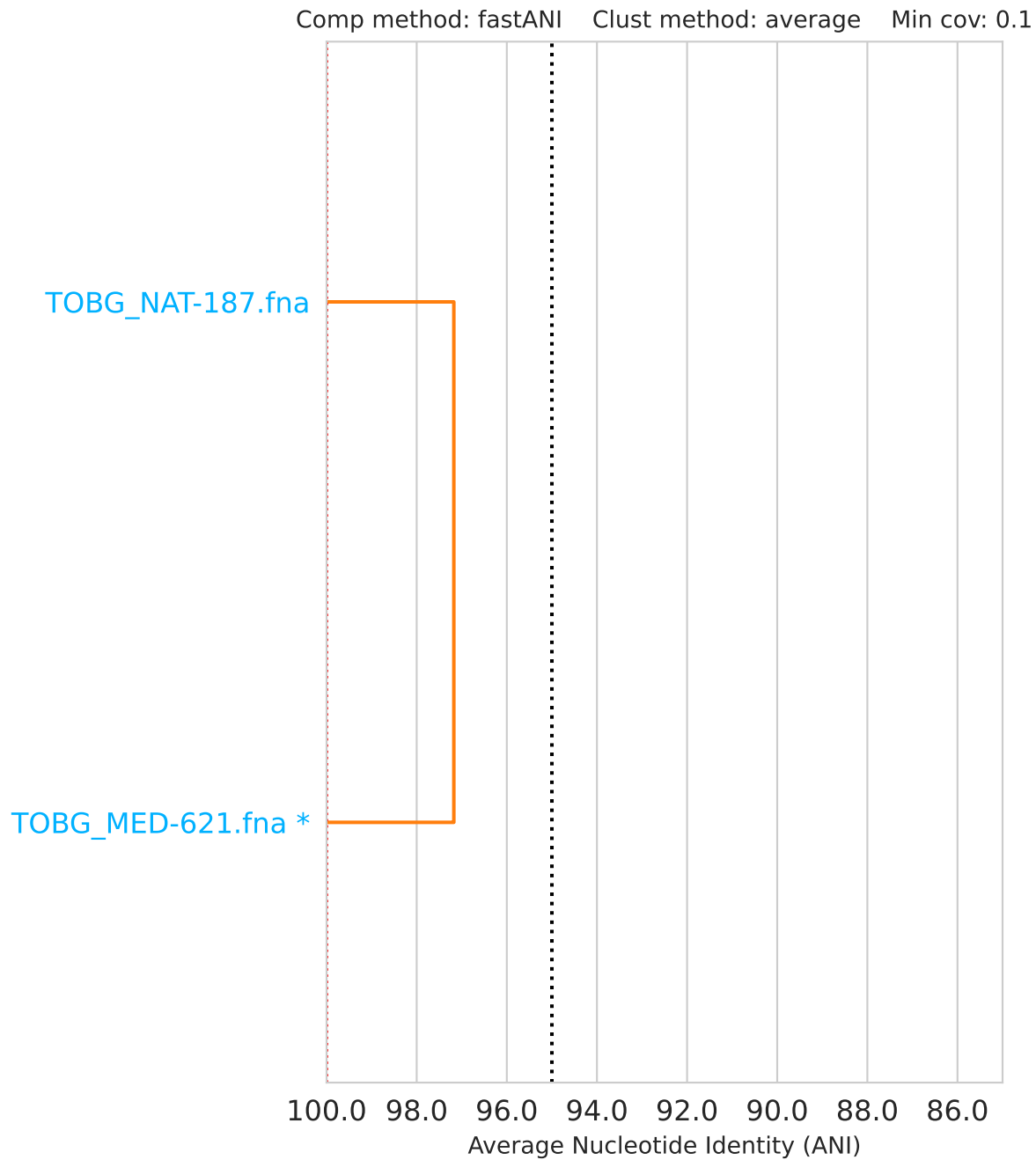
TOBG_MED-818.fna *

TOBG_CPC-288.fna

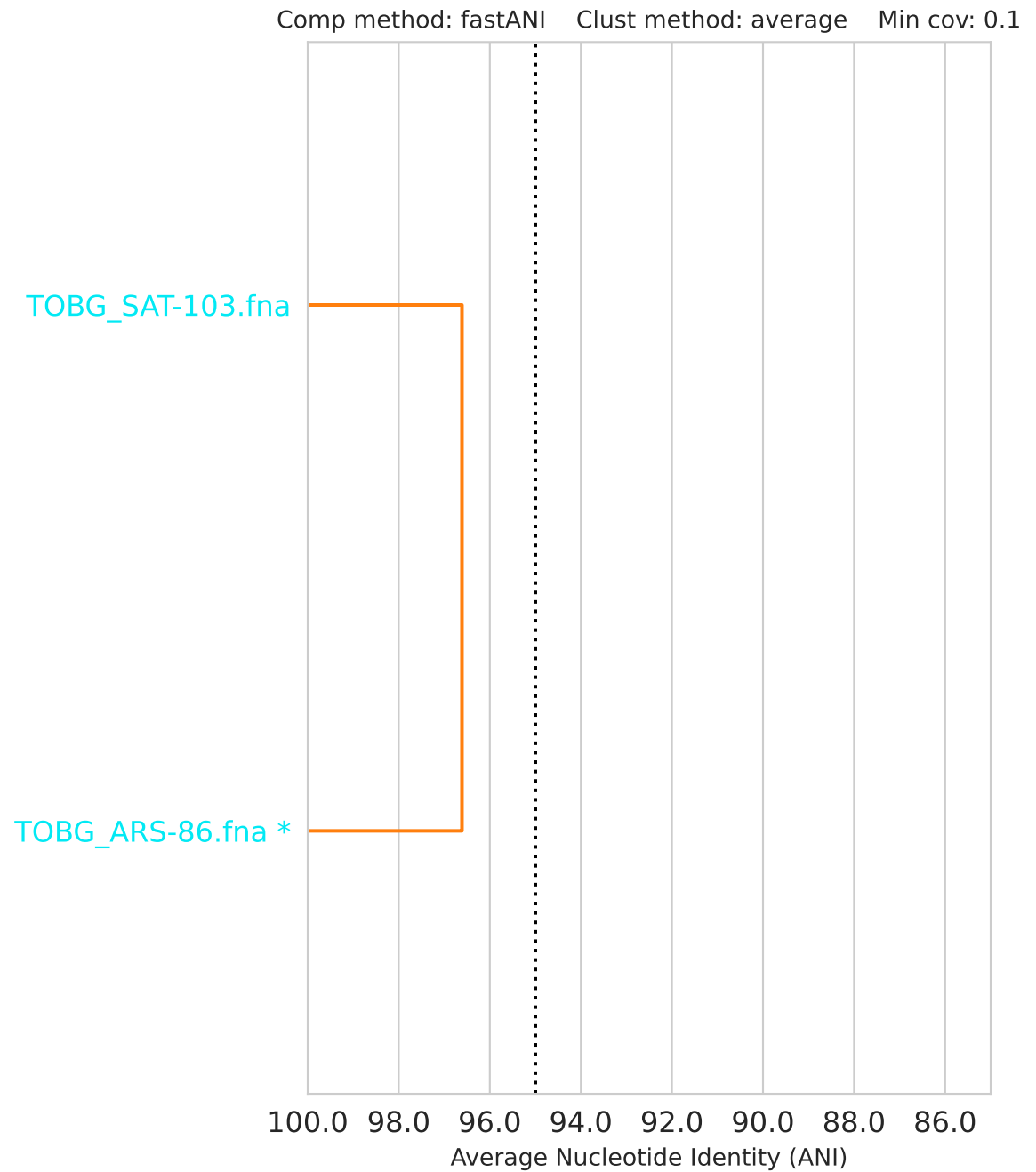
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



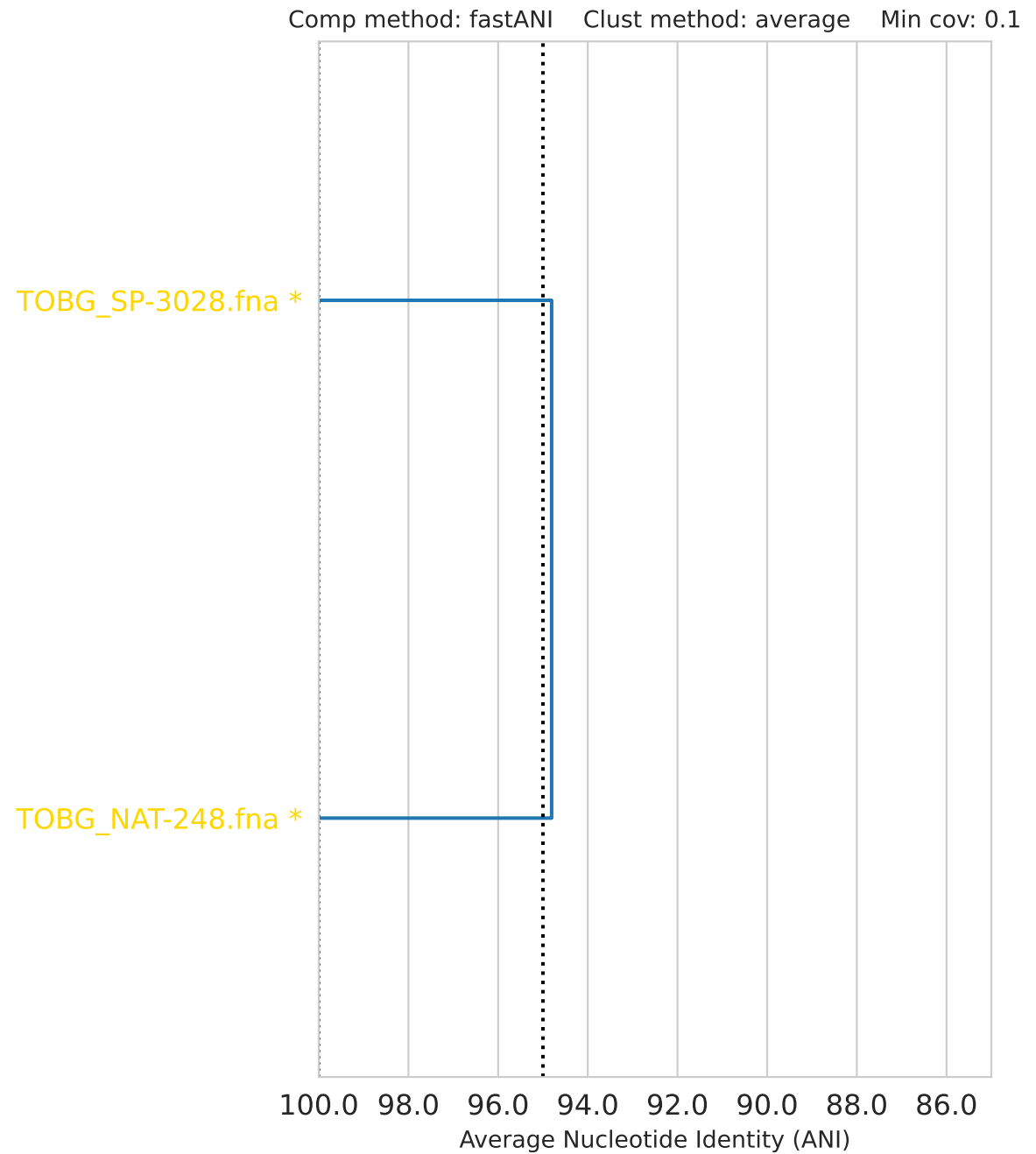
Primary cluster 736



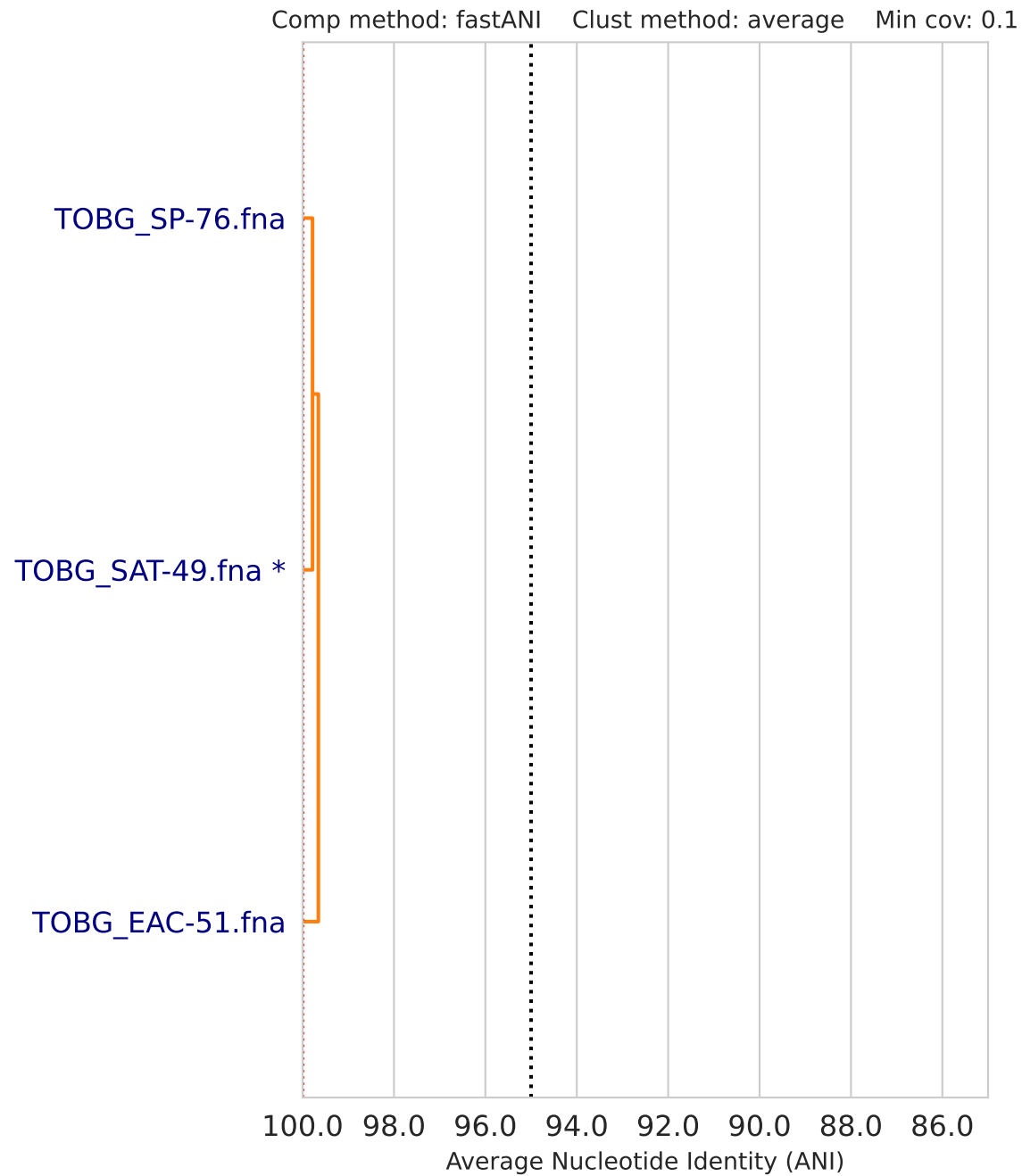
Primary cluster 737



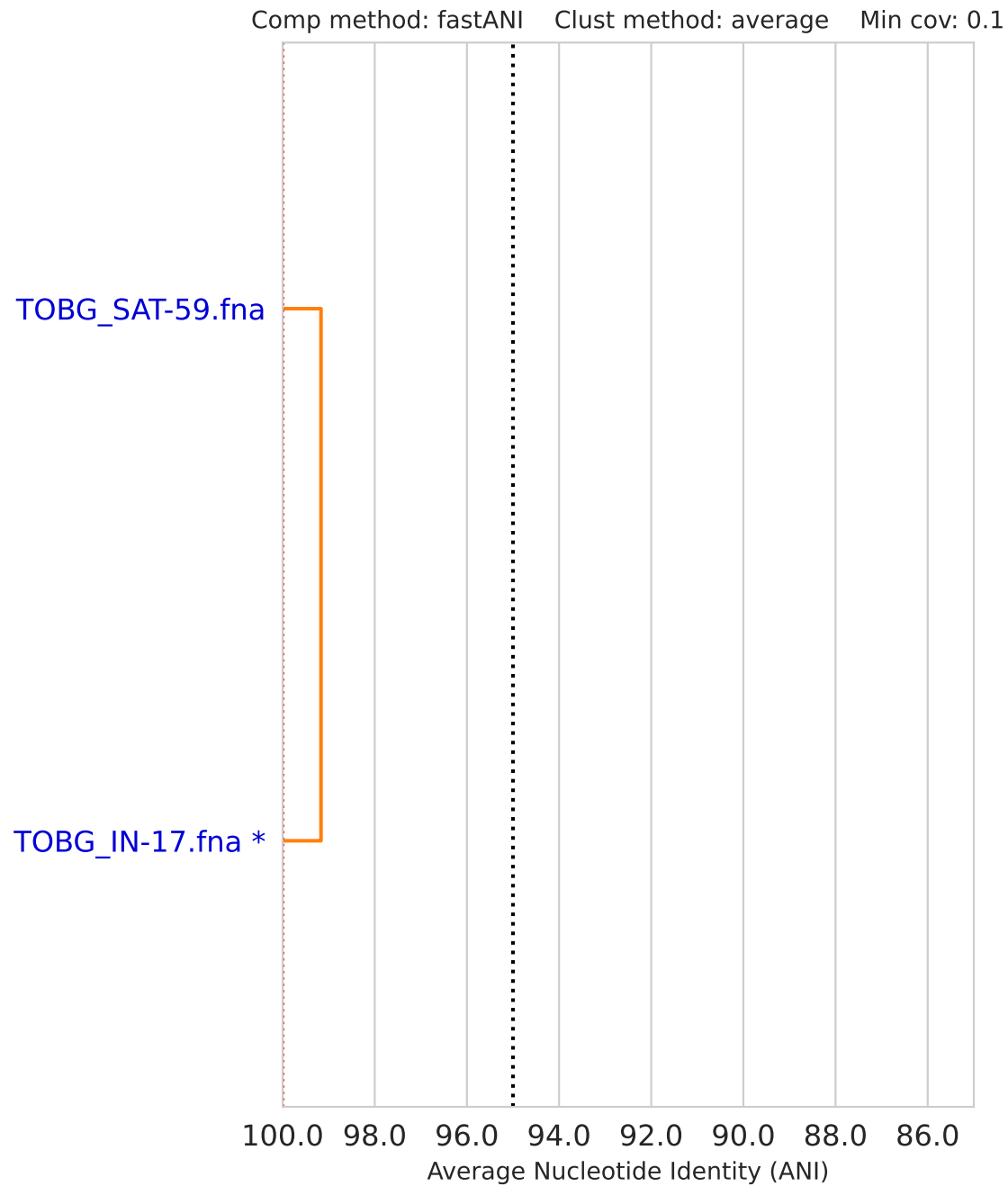
Primary cluster 740



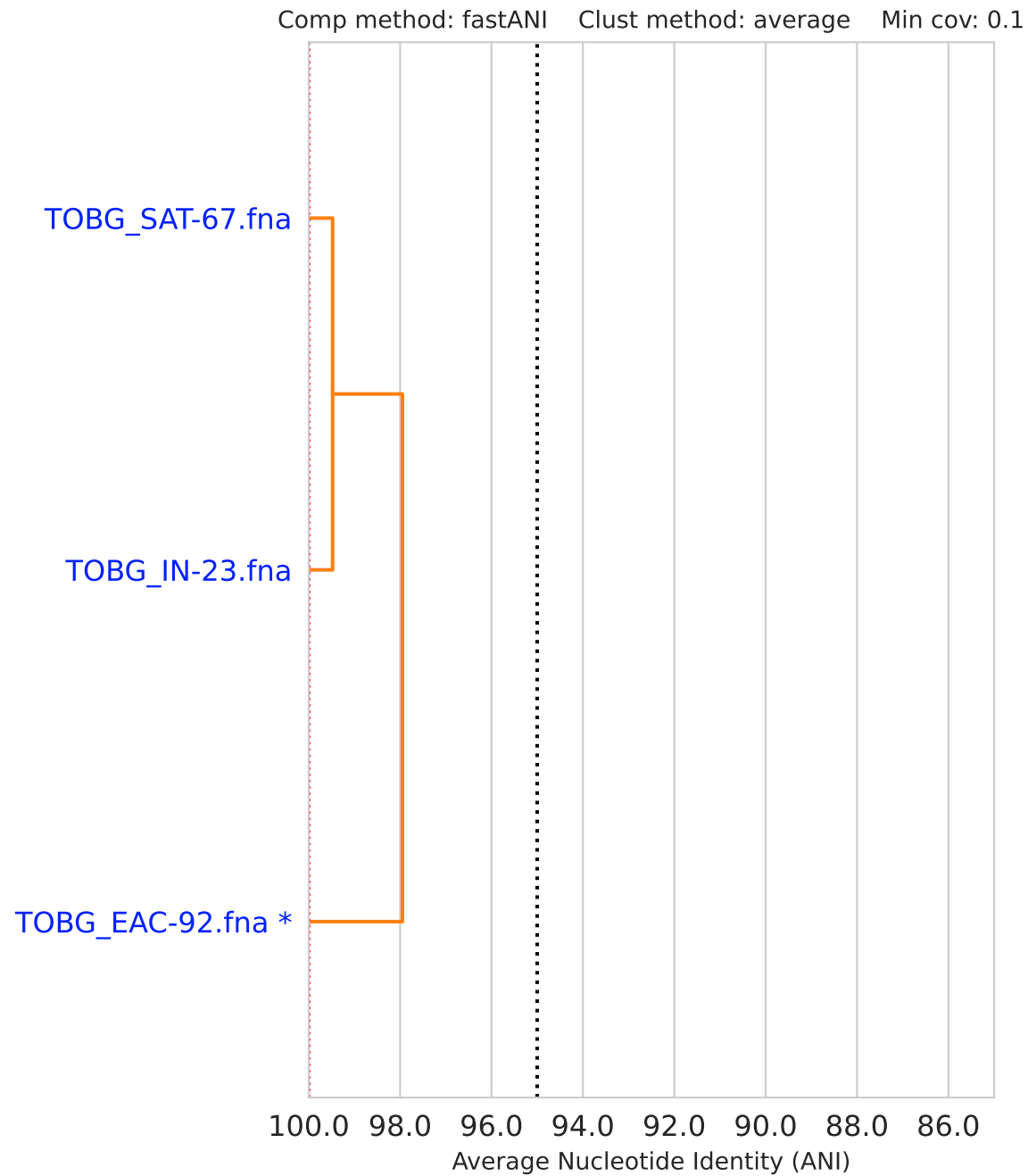
Primary cluster 743



Primary cluster 744



Primary cluster 746



Primary cluster 748

Comp method: fastANI

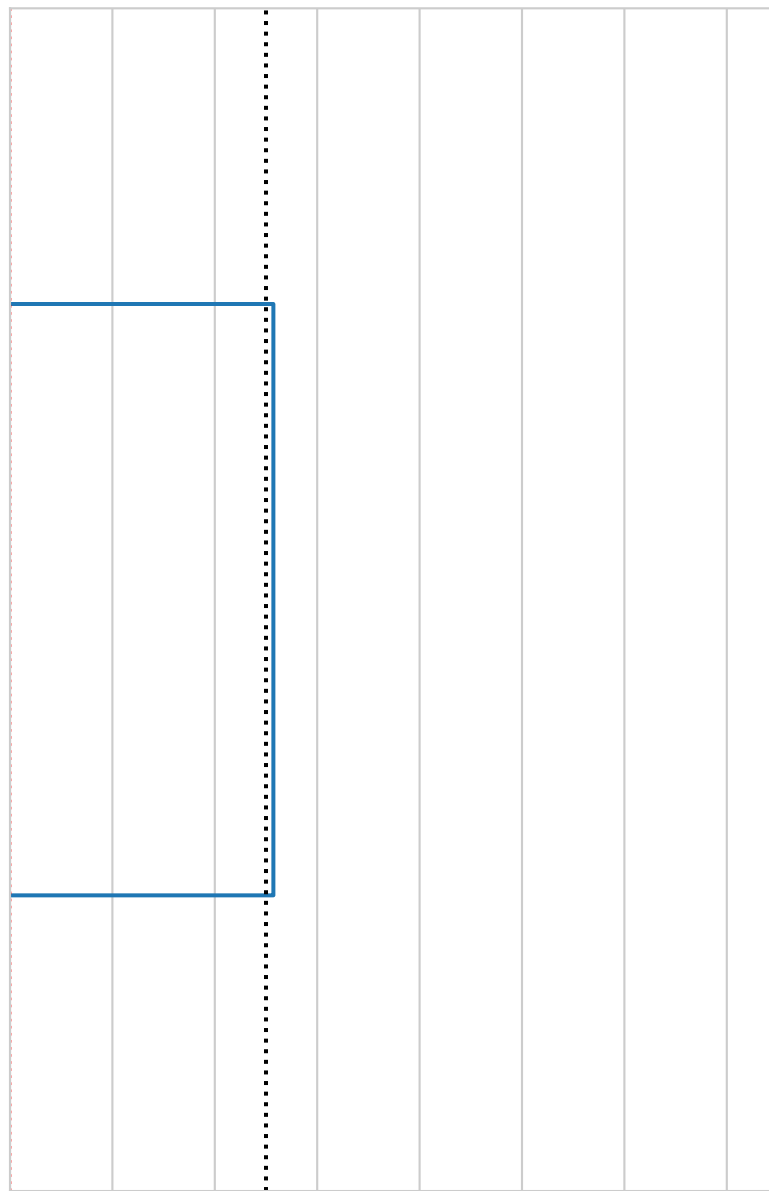
Clust method: average

Min cov: 0.1

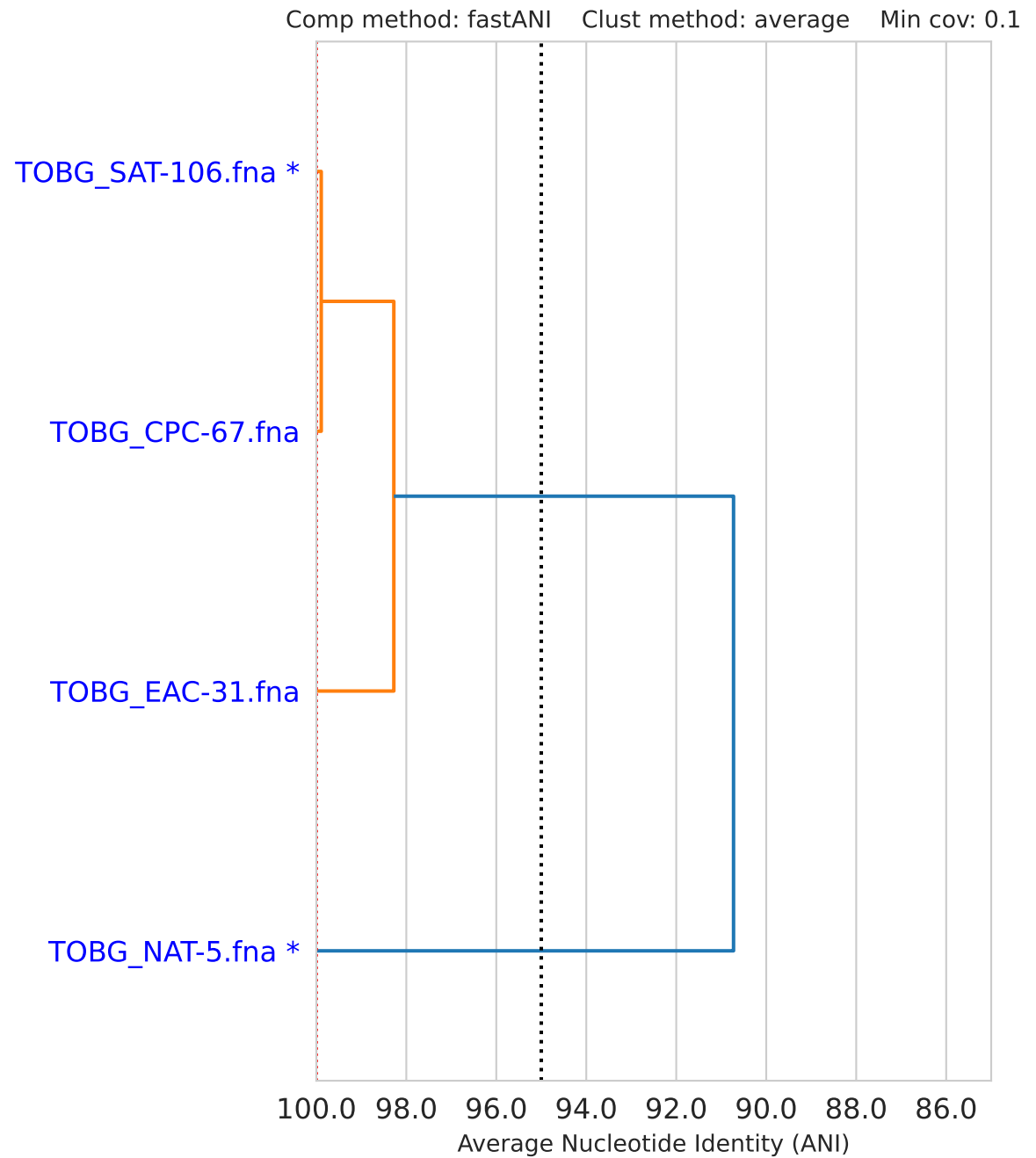
TOBG_RS-438.fna *

TOBG_MED-654.fna *

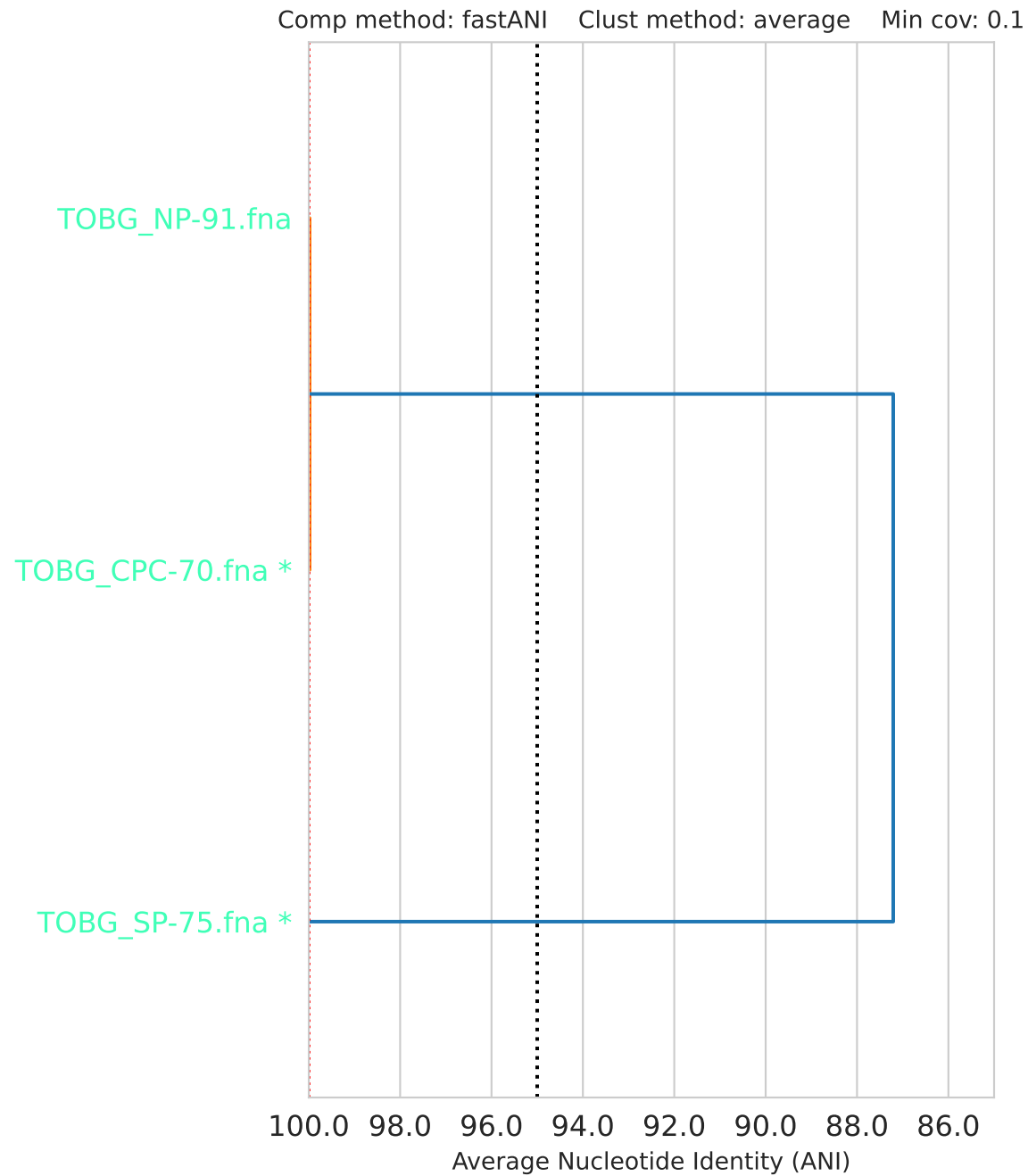
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



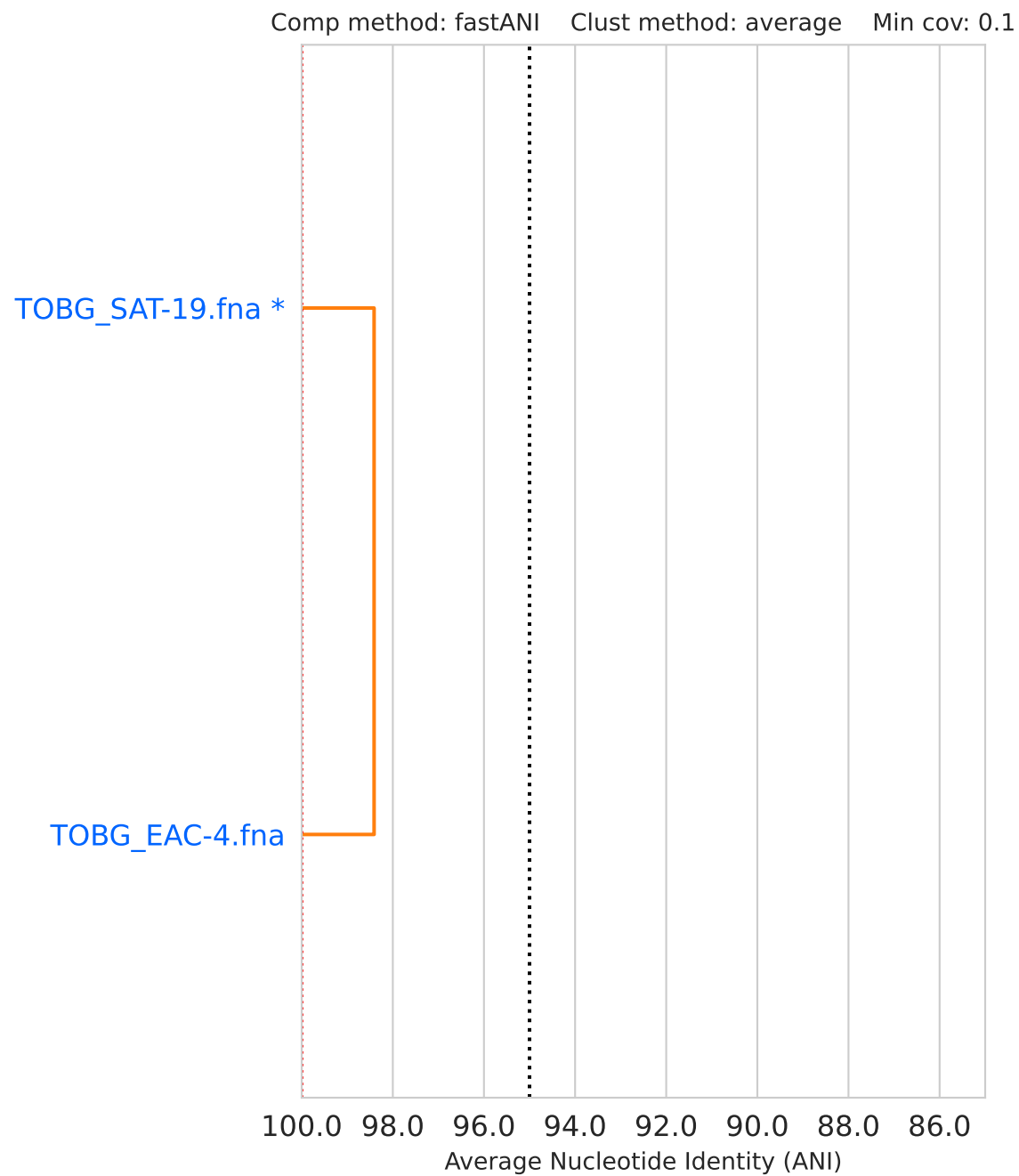
Primary cluster 750



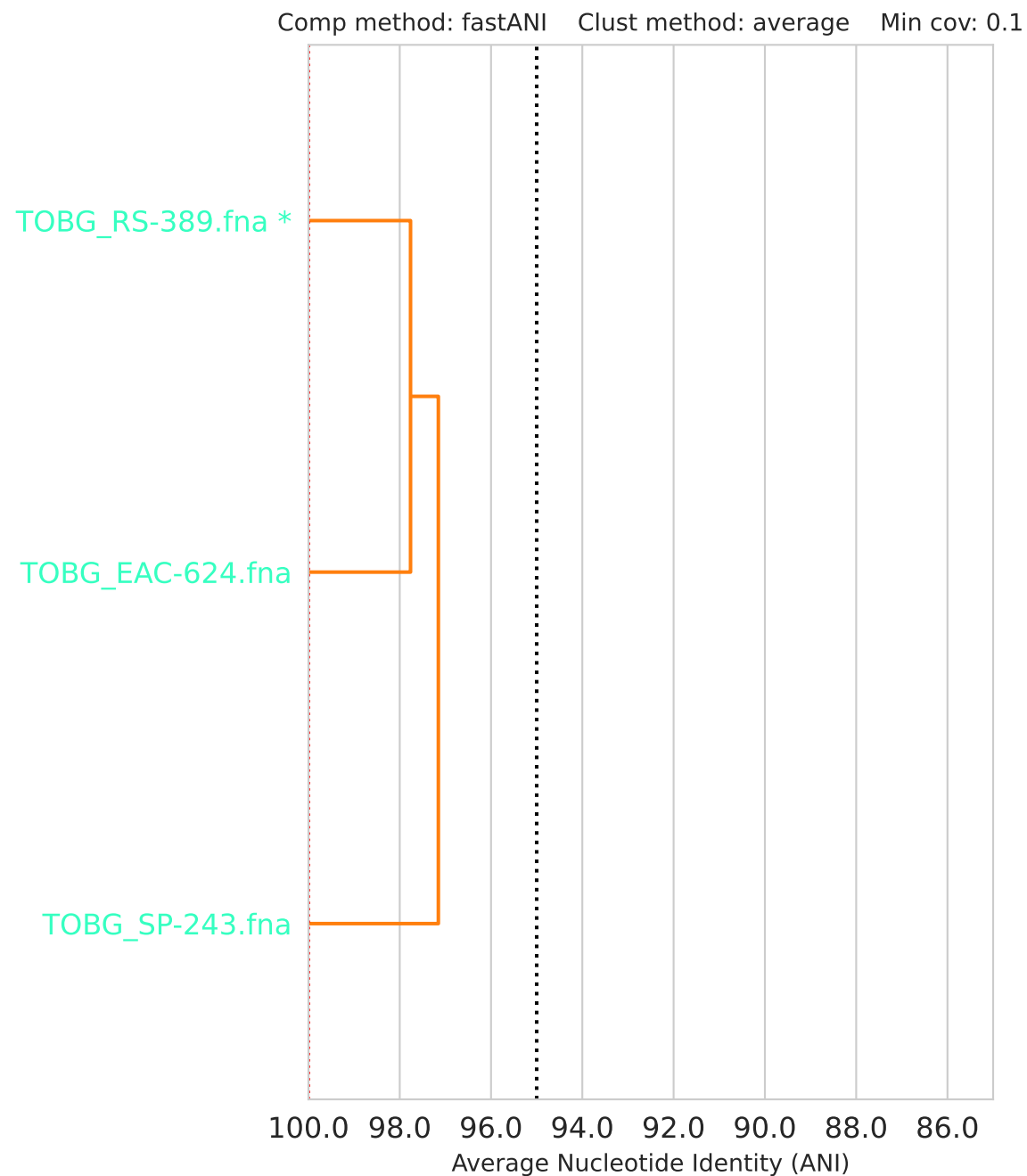
Primary cluster 751



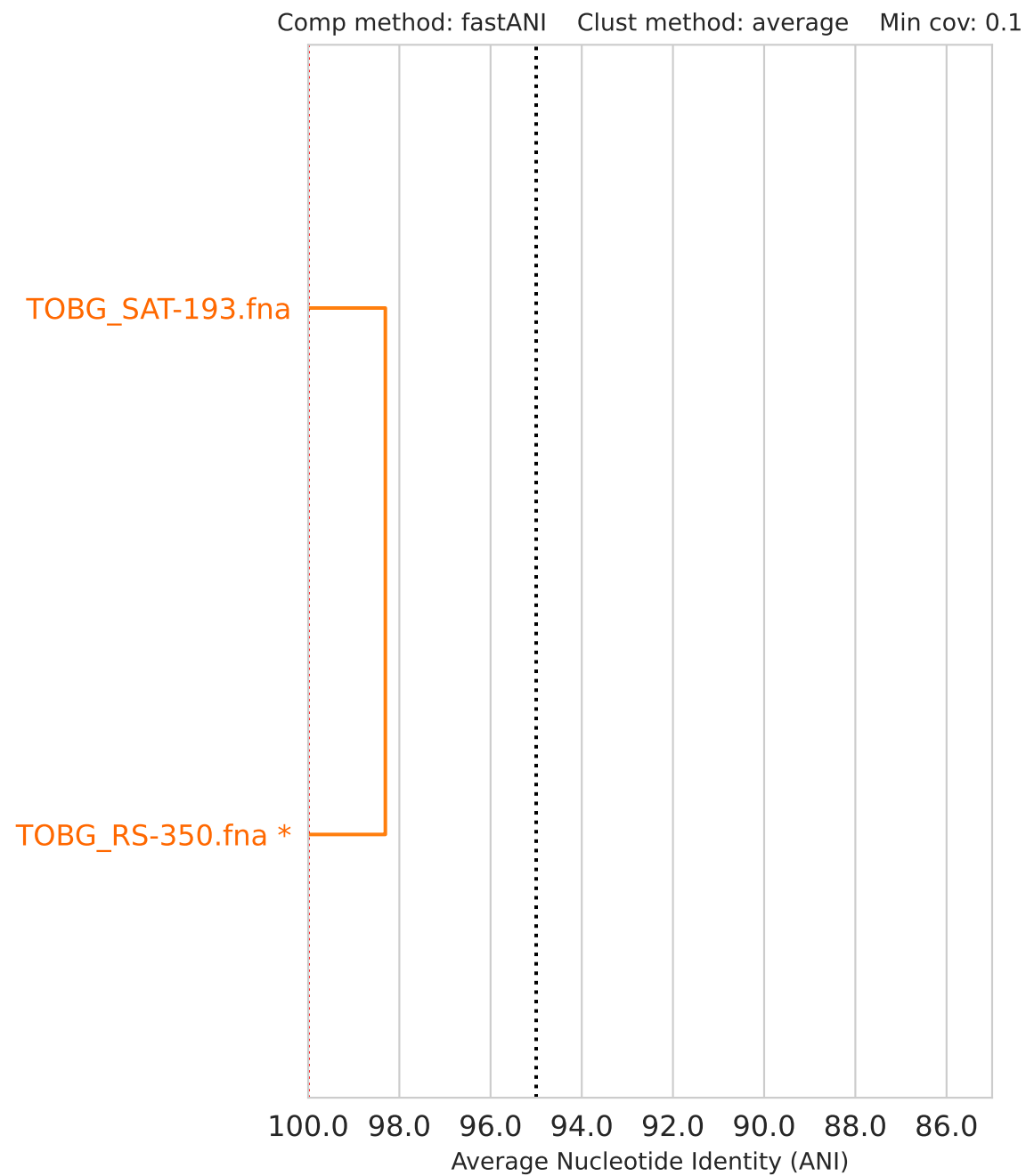
Primary cluster 759



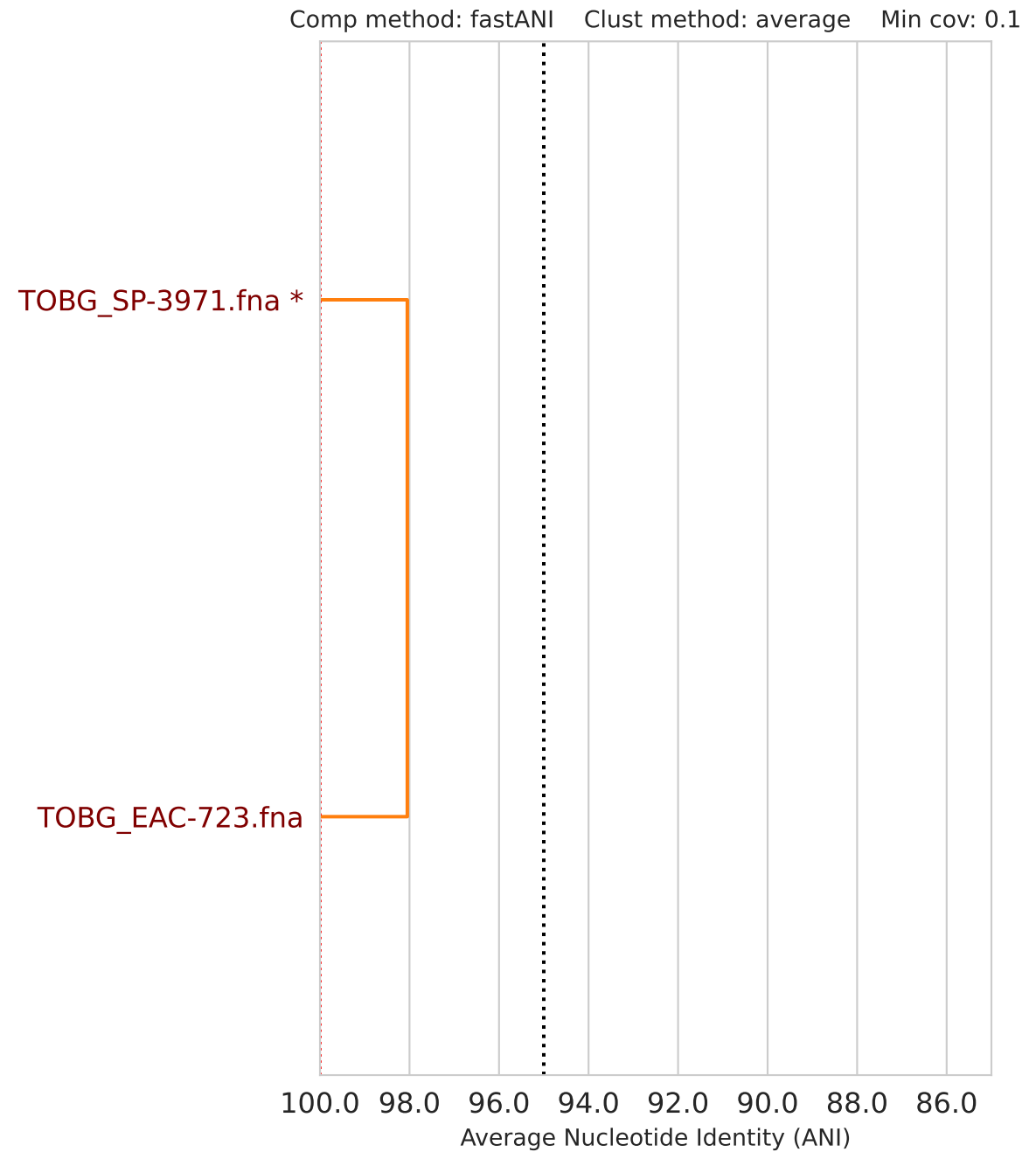
Primary cluster 773



Primary cluster 774



Primary cluster 779



Primary cluster 791

Comp method: fastANI

Clust method: average

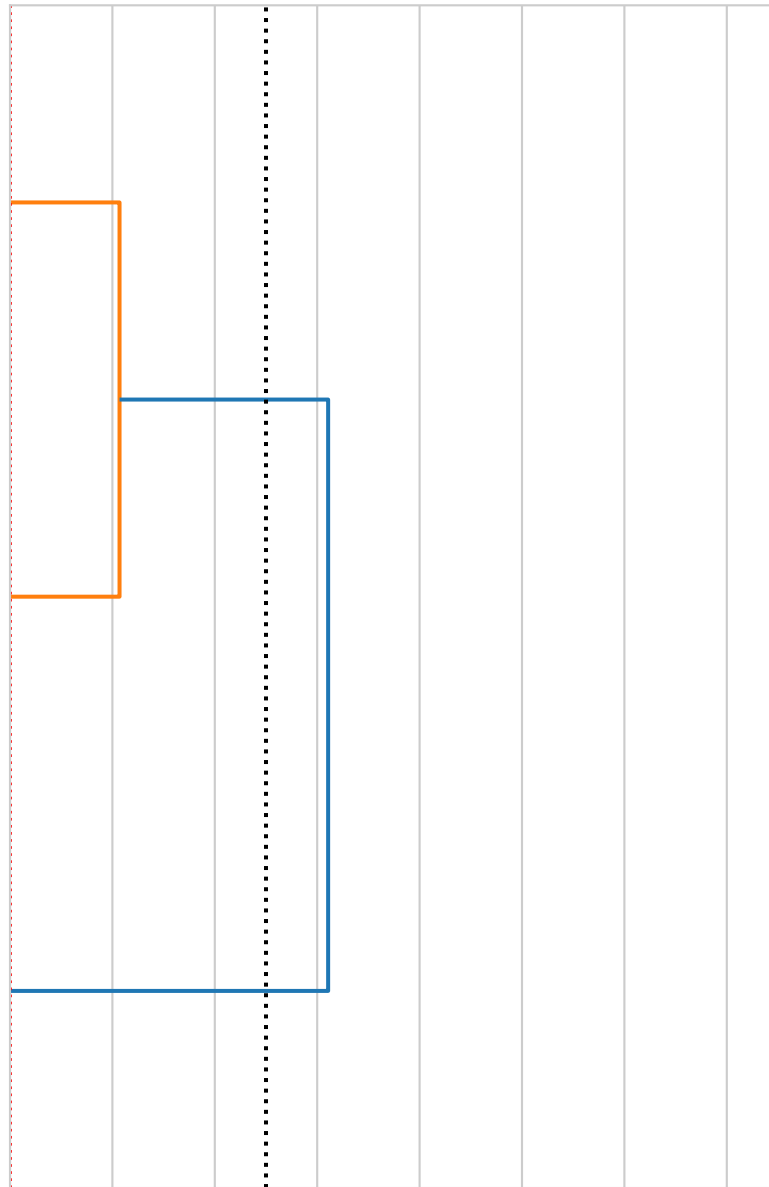
Min cov: 0.1

TOBG_RS-816.fna

TOBG_EAC-649.fna *

TOBG_MED-746.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



Primary cluster 797

Comp method: fastANI

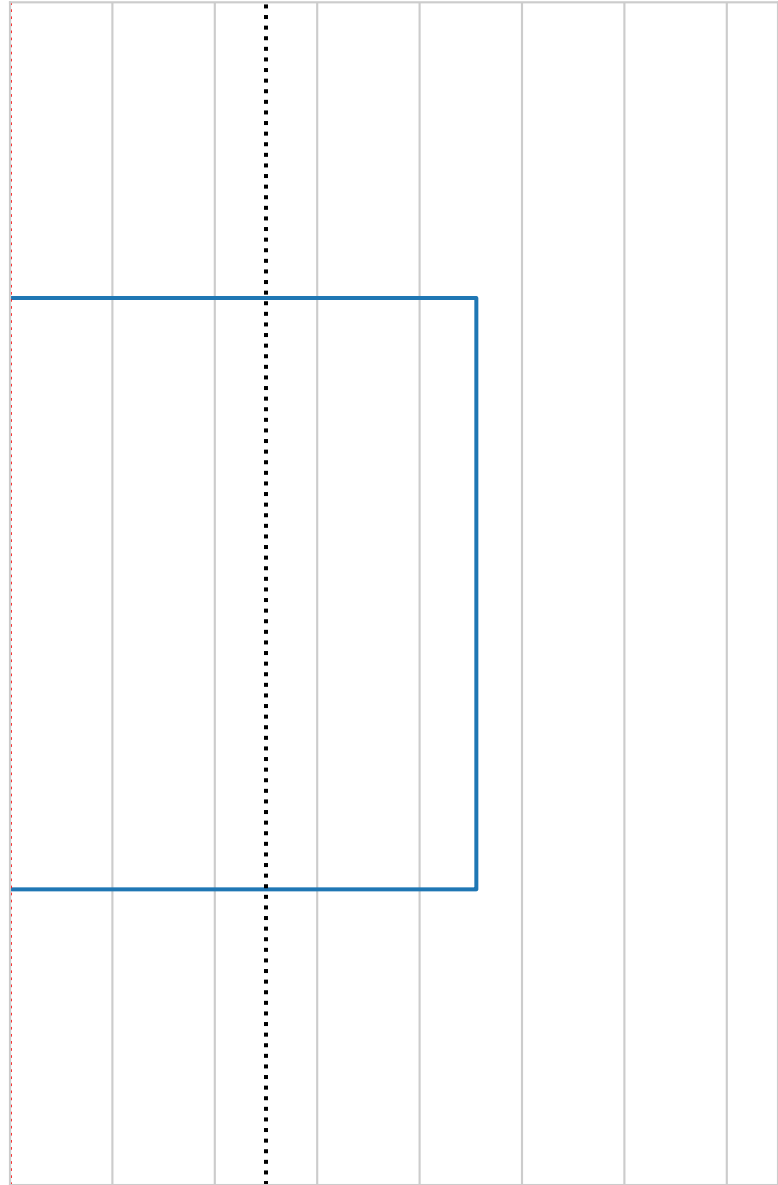
Clust method: average

Min cov: 0.1

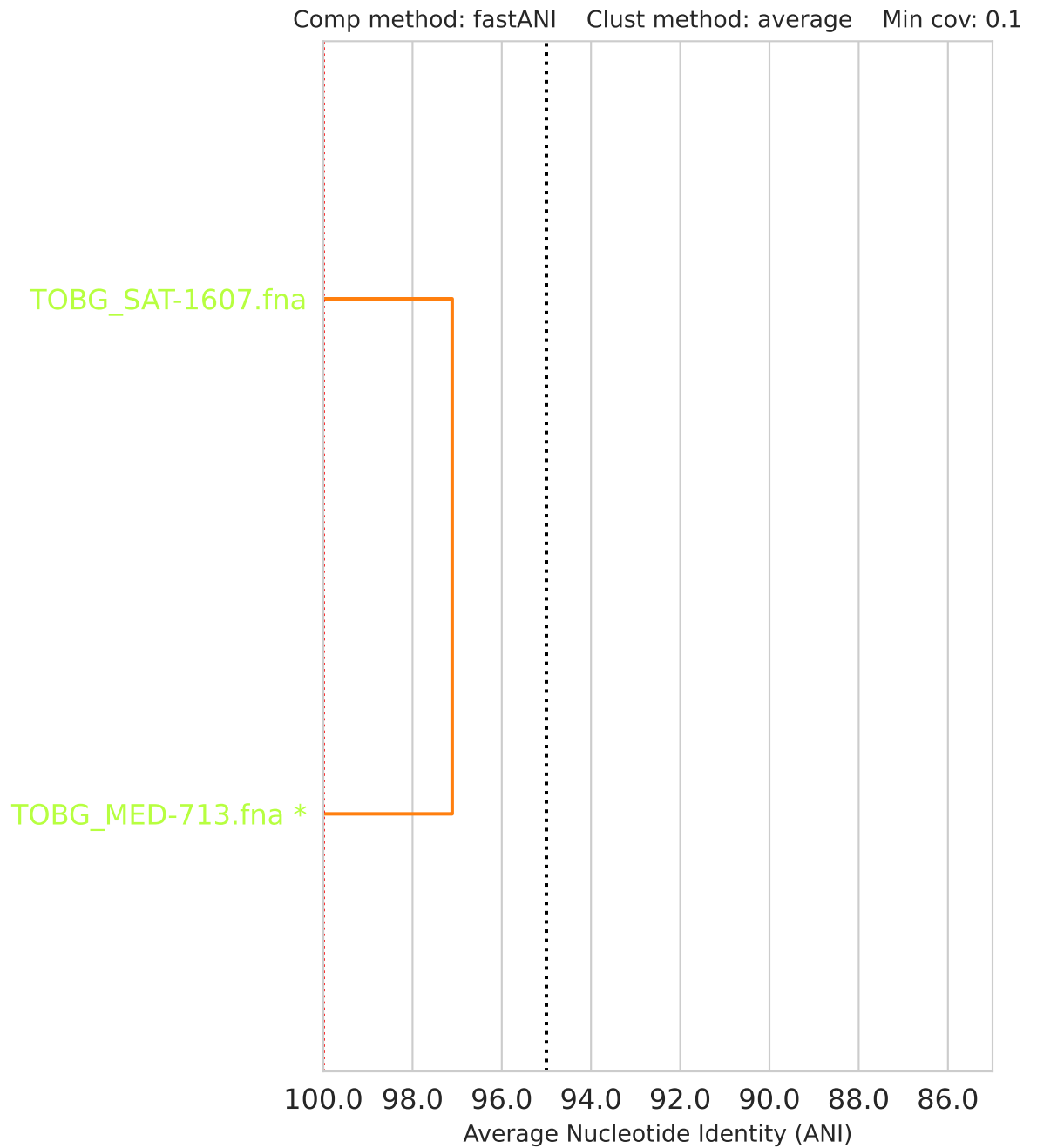
TOBG_MED-829.fna *

TOBG_EAC-11.fna *

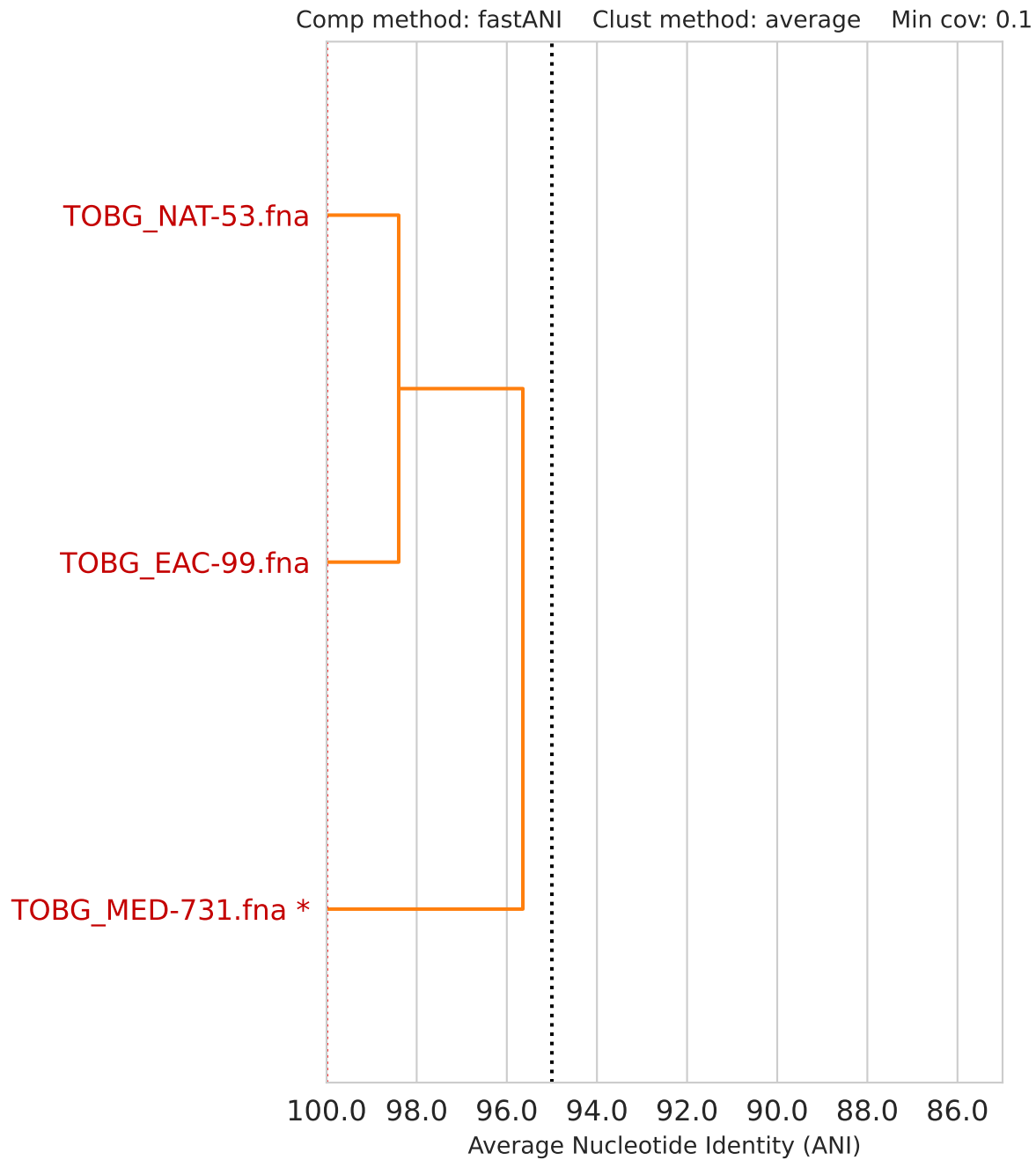
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



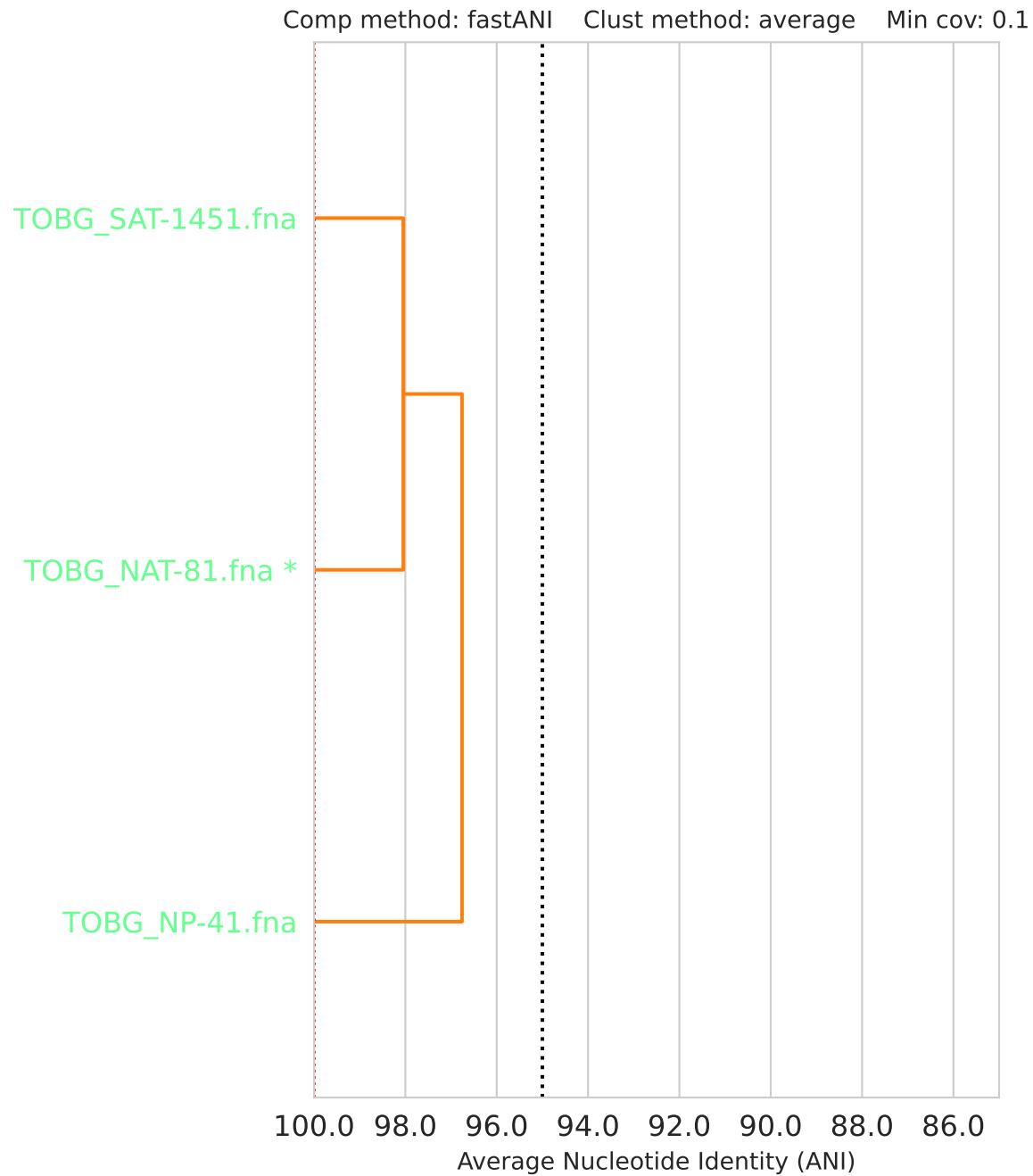
Primary cluster 802



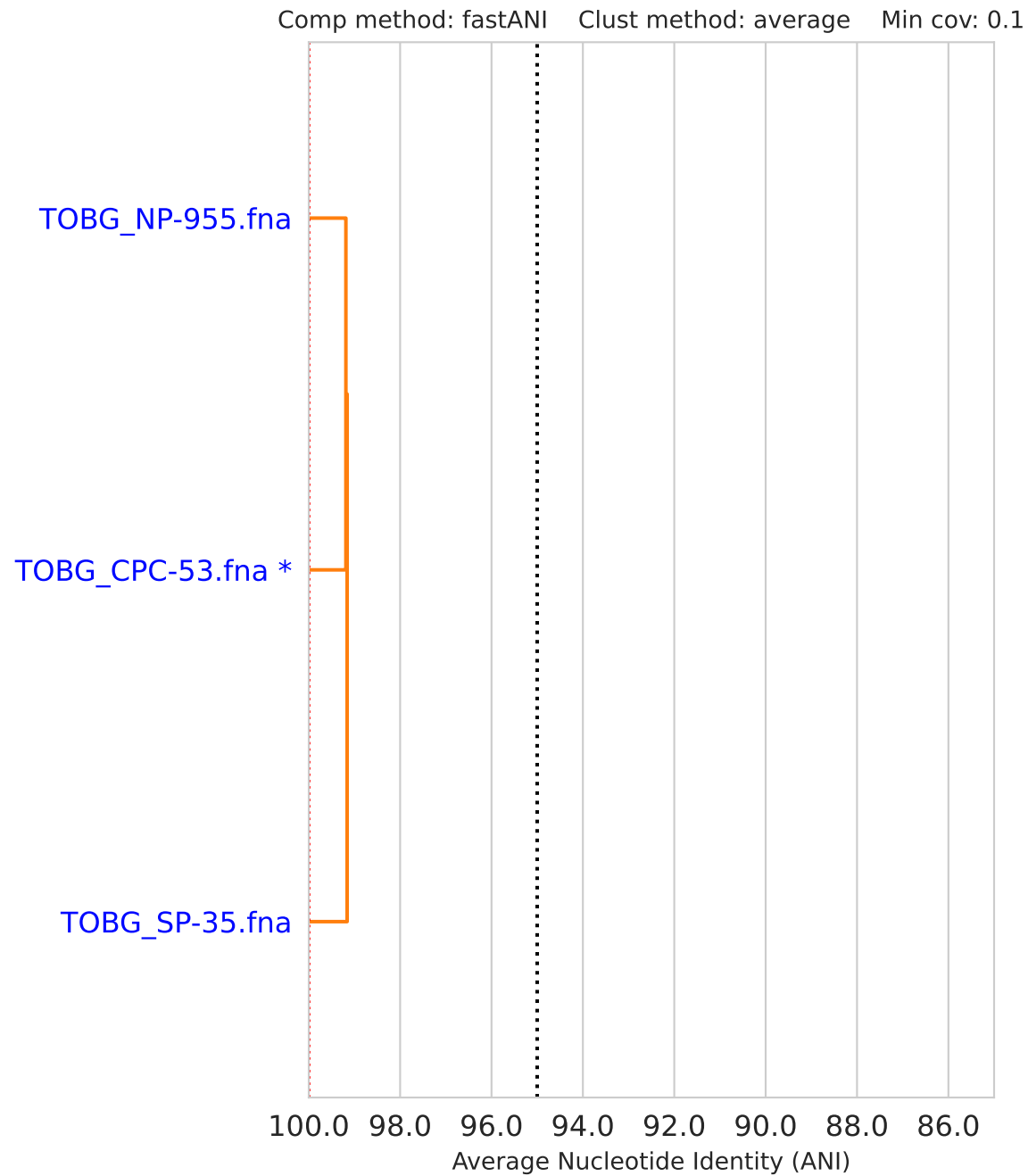
Primary cluster 806



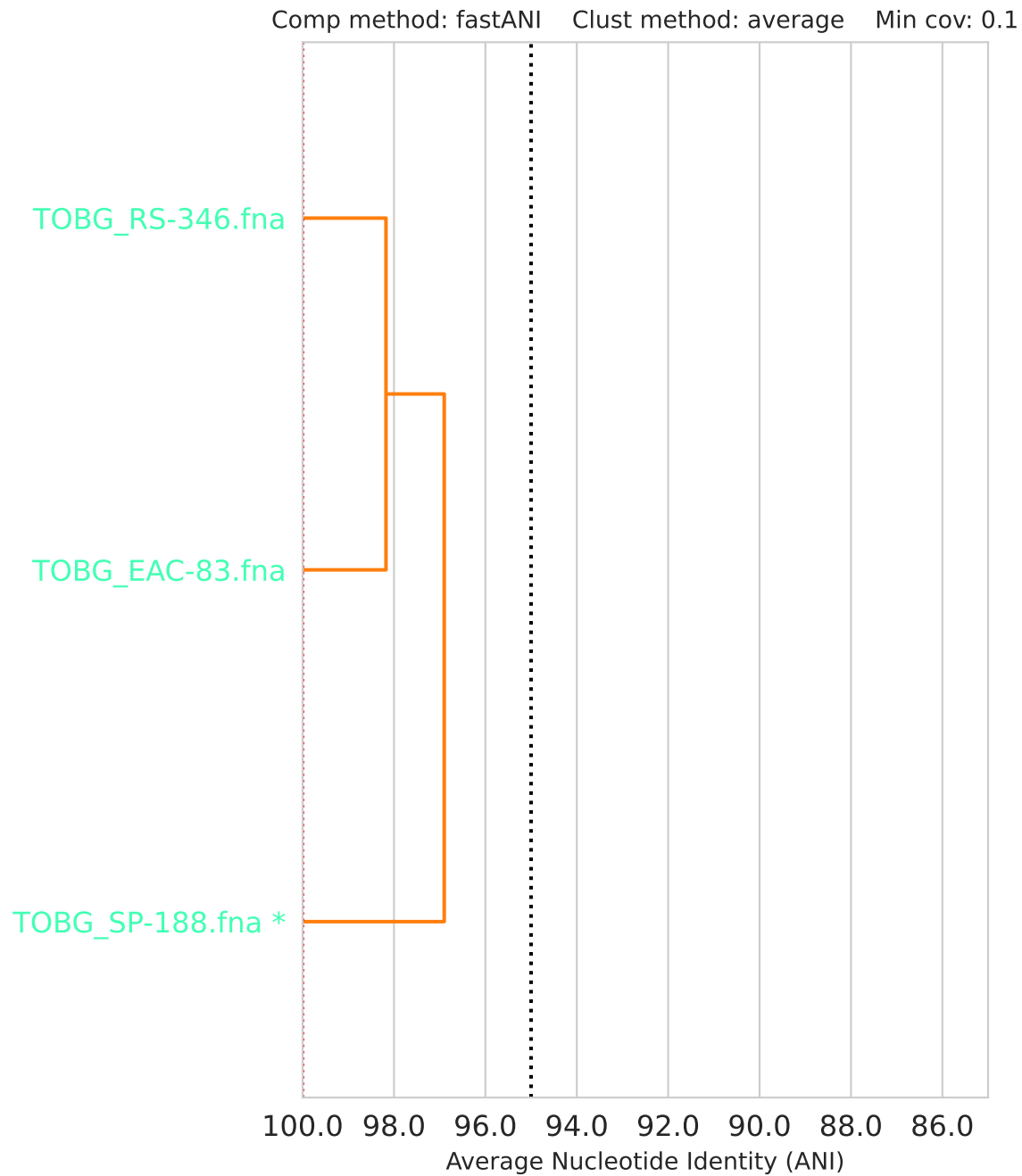
Primary cluster 813



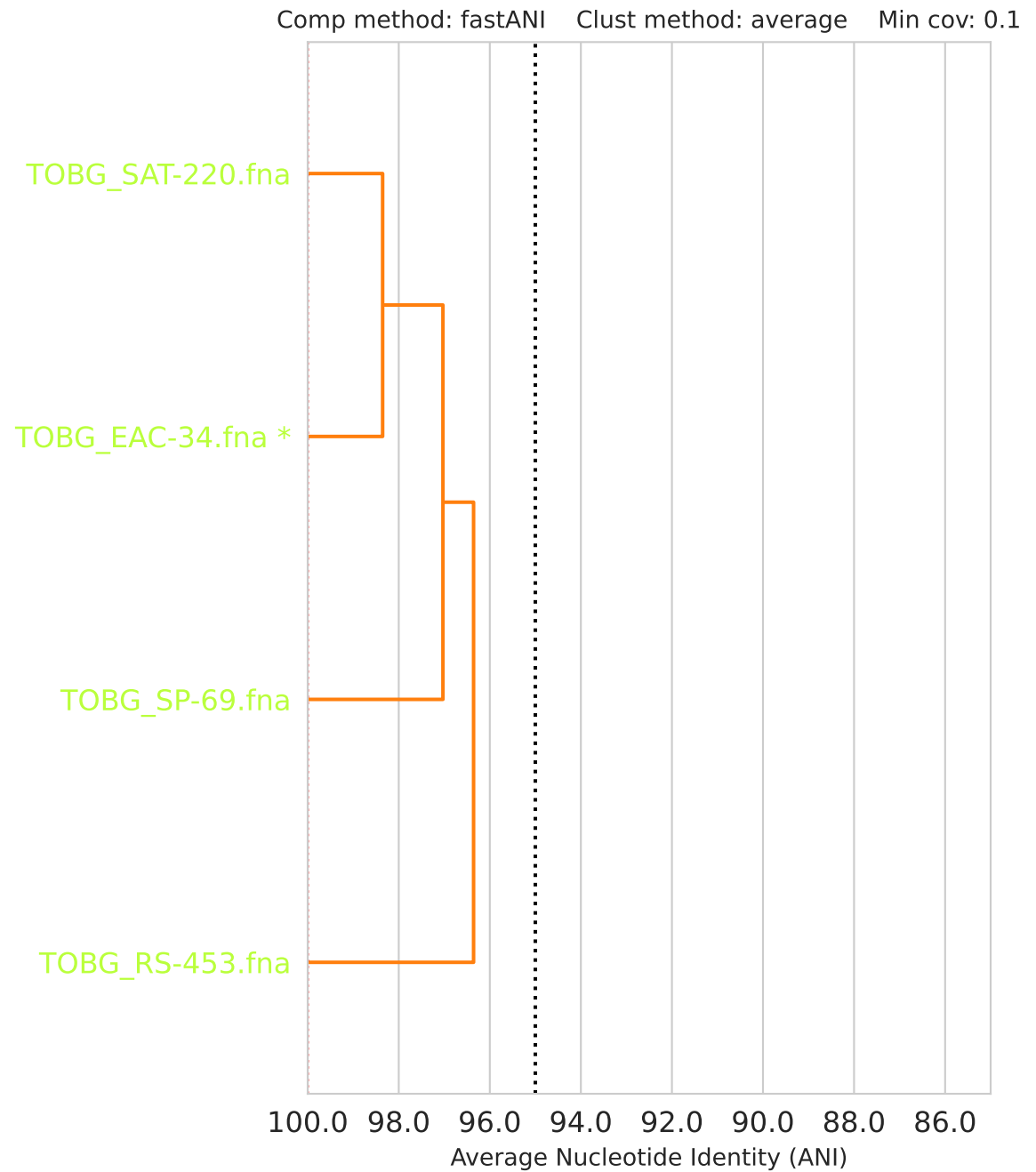
Primary cluster 816



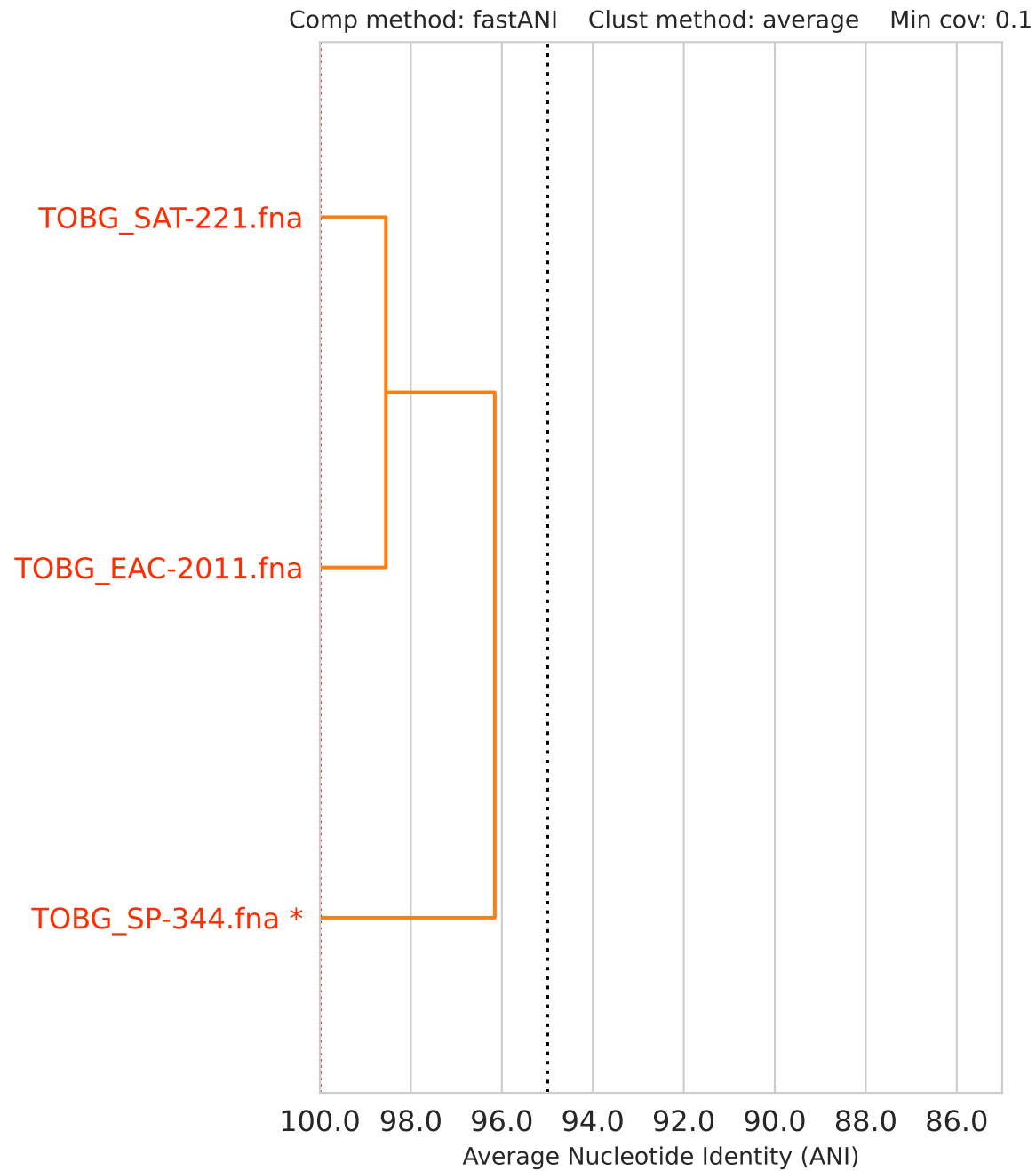
Primary cluster 821



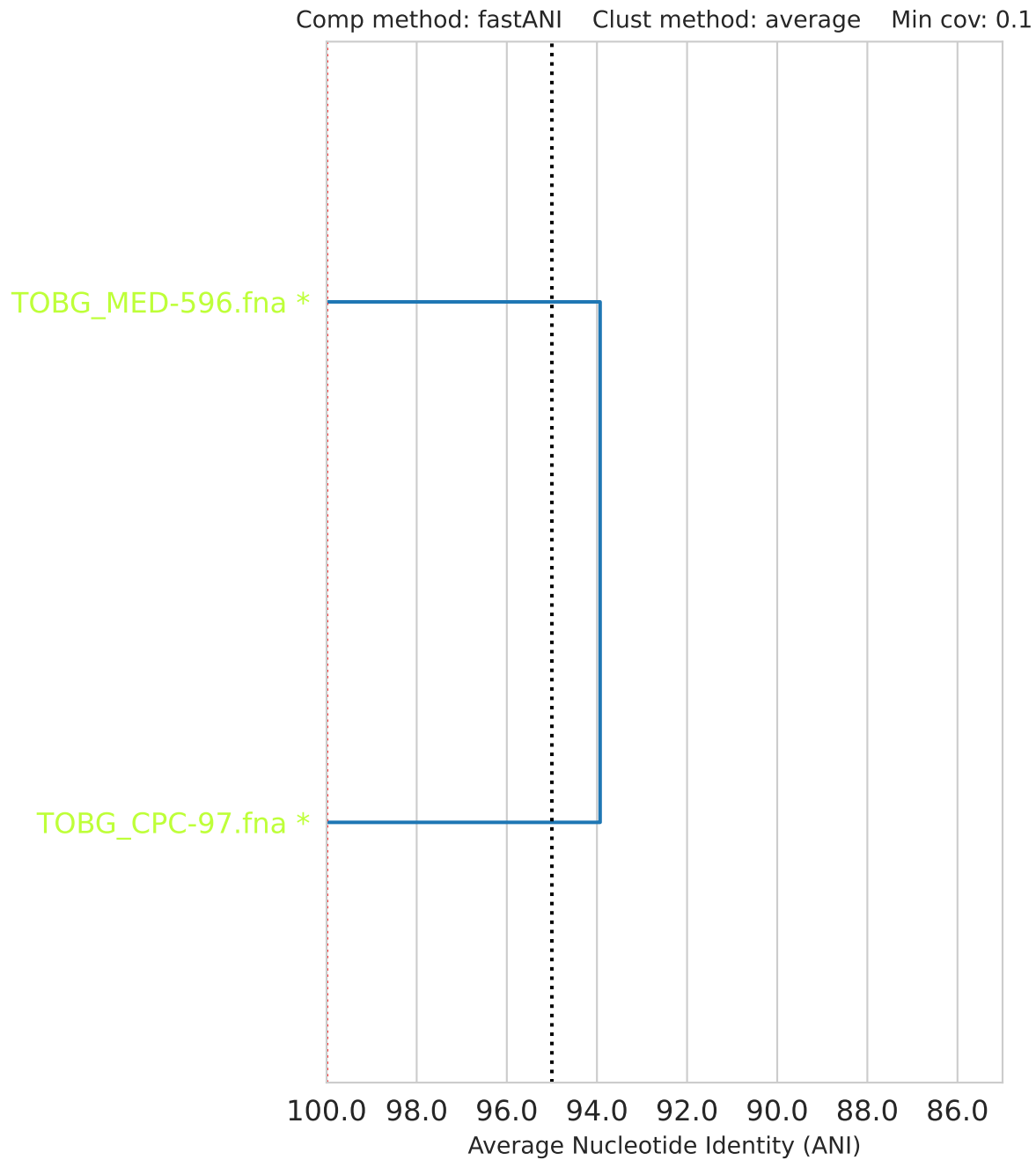
Primary cluster 828



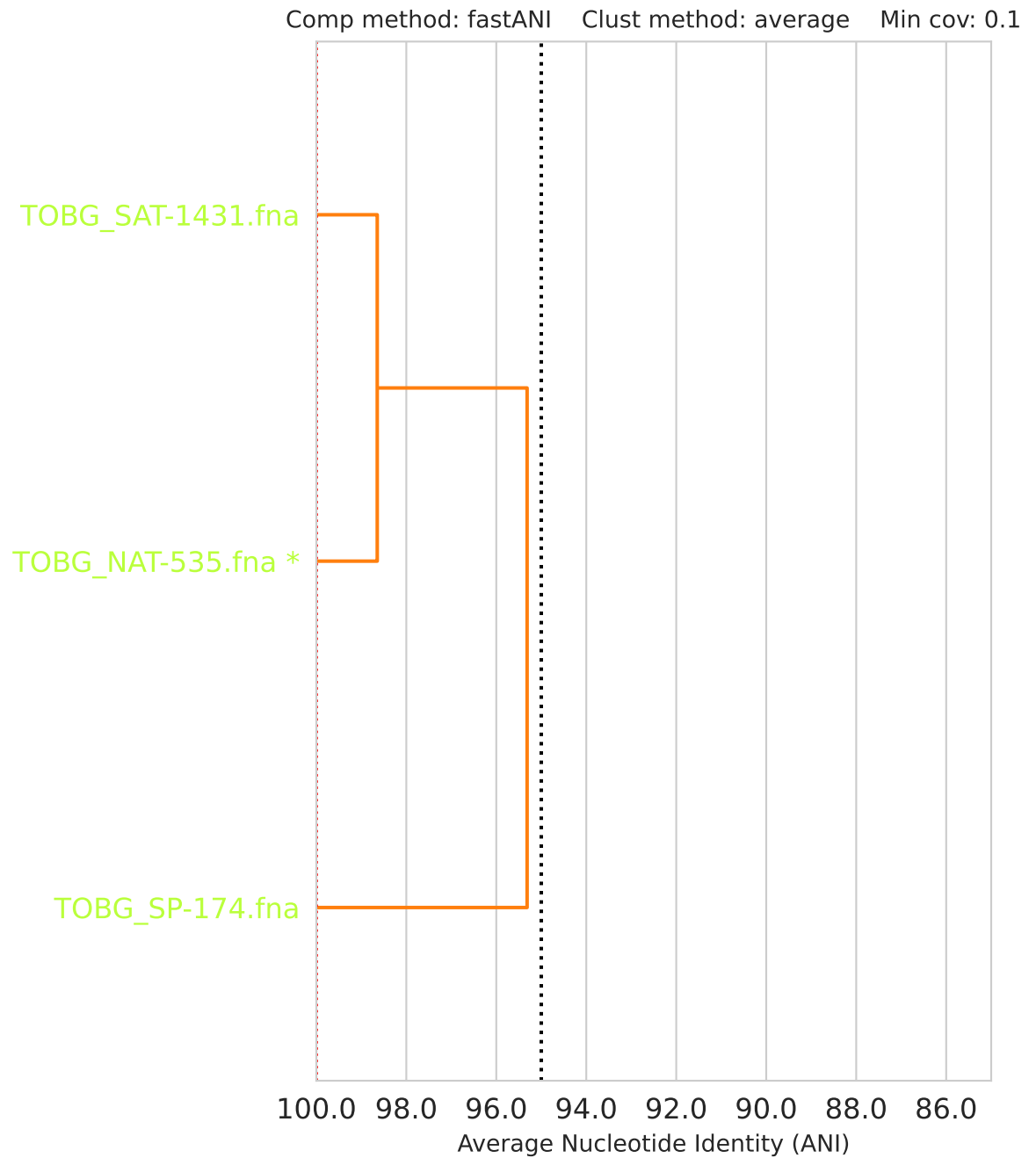
Primary cluster 837



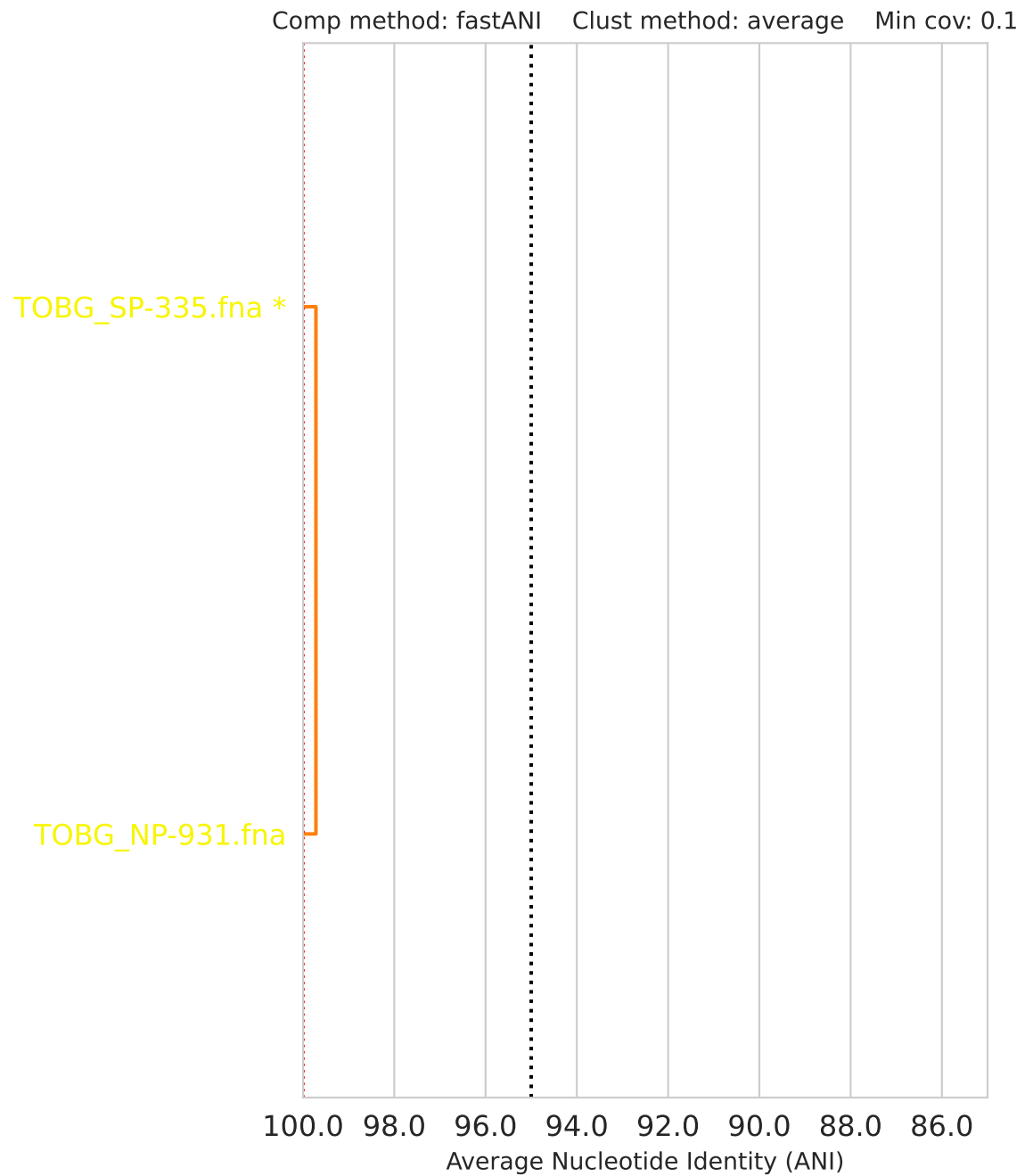
Primary cluster 840



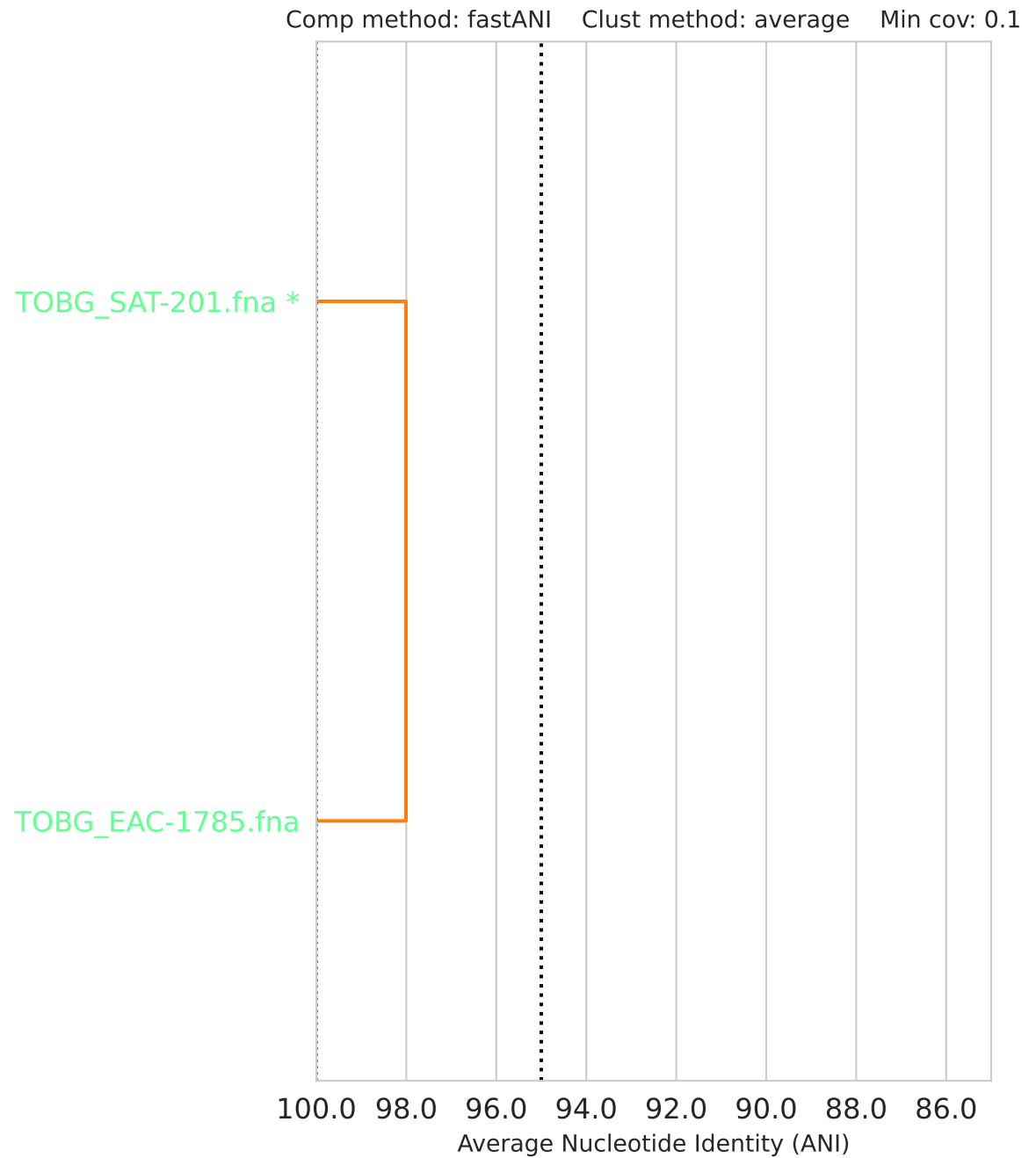
Primary cluster 860



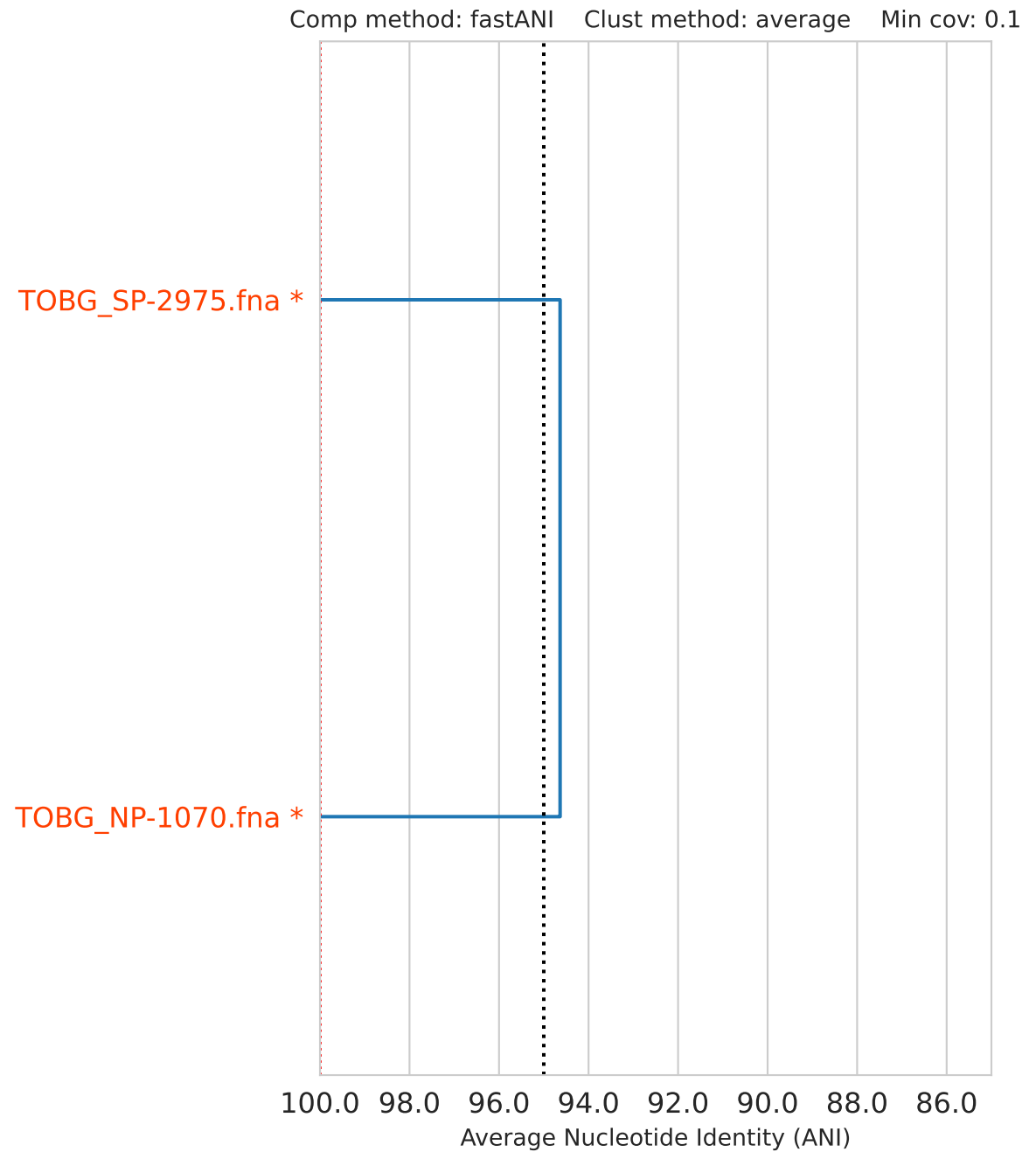
Primary cluster 872



Primary cluster 874



Primary cluster 881



Primary cluster 883

Comp method: fastANI

Clust method: average

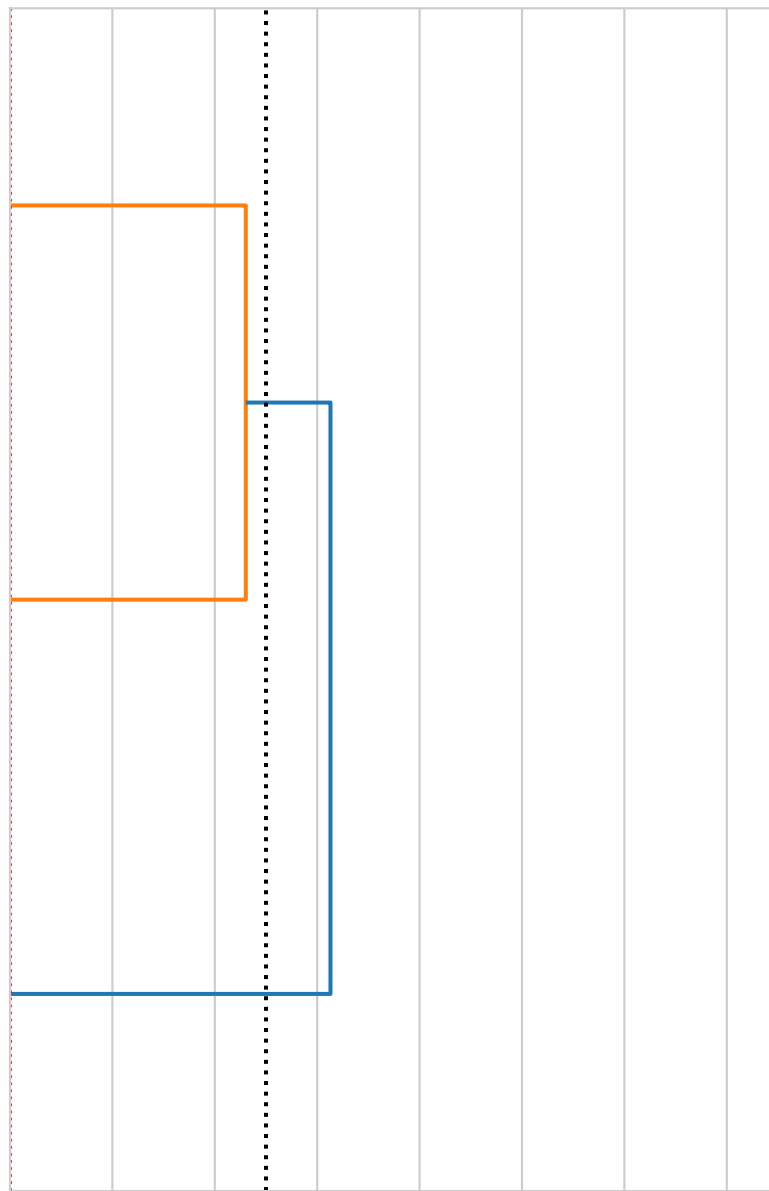
Min cov: 0.1

TOBG_SP-156.fna *

TOBG_ARS-59.fna

TOBG_MED-803.fna *

100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)

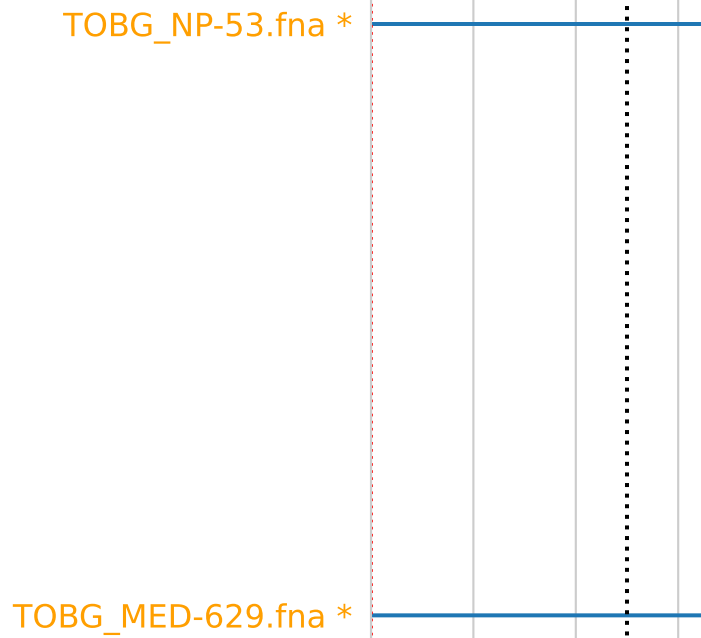


Primary cluster 886

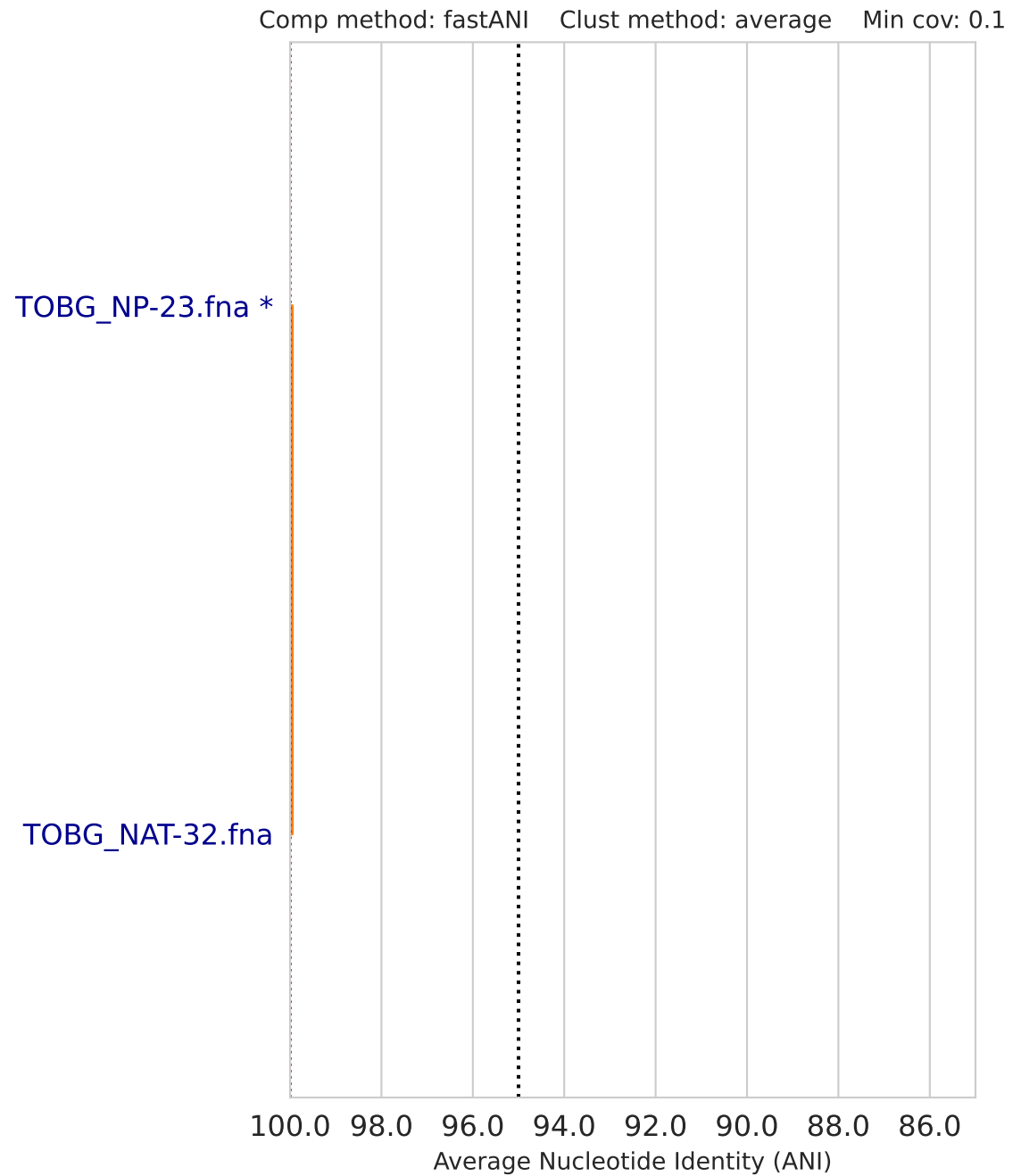
Comp method: fastANI

Clust method: average

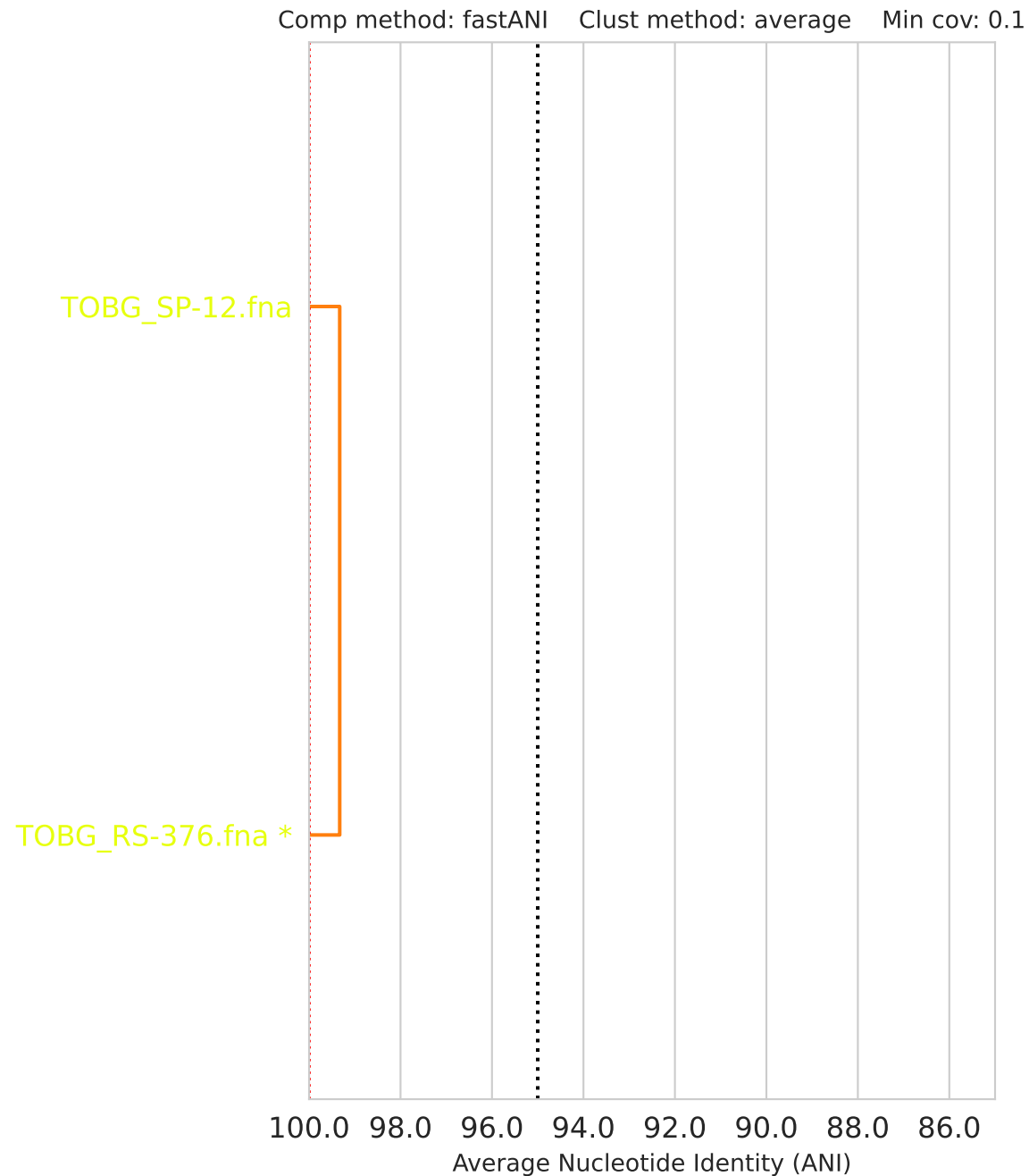
Min cov: 0.1



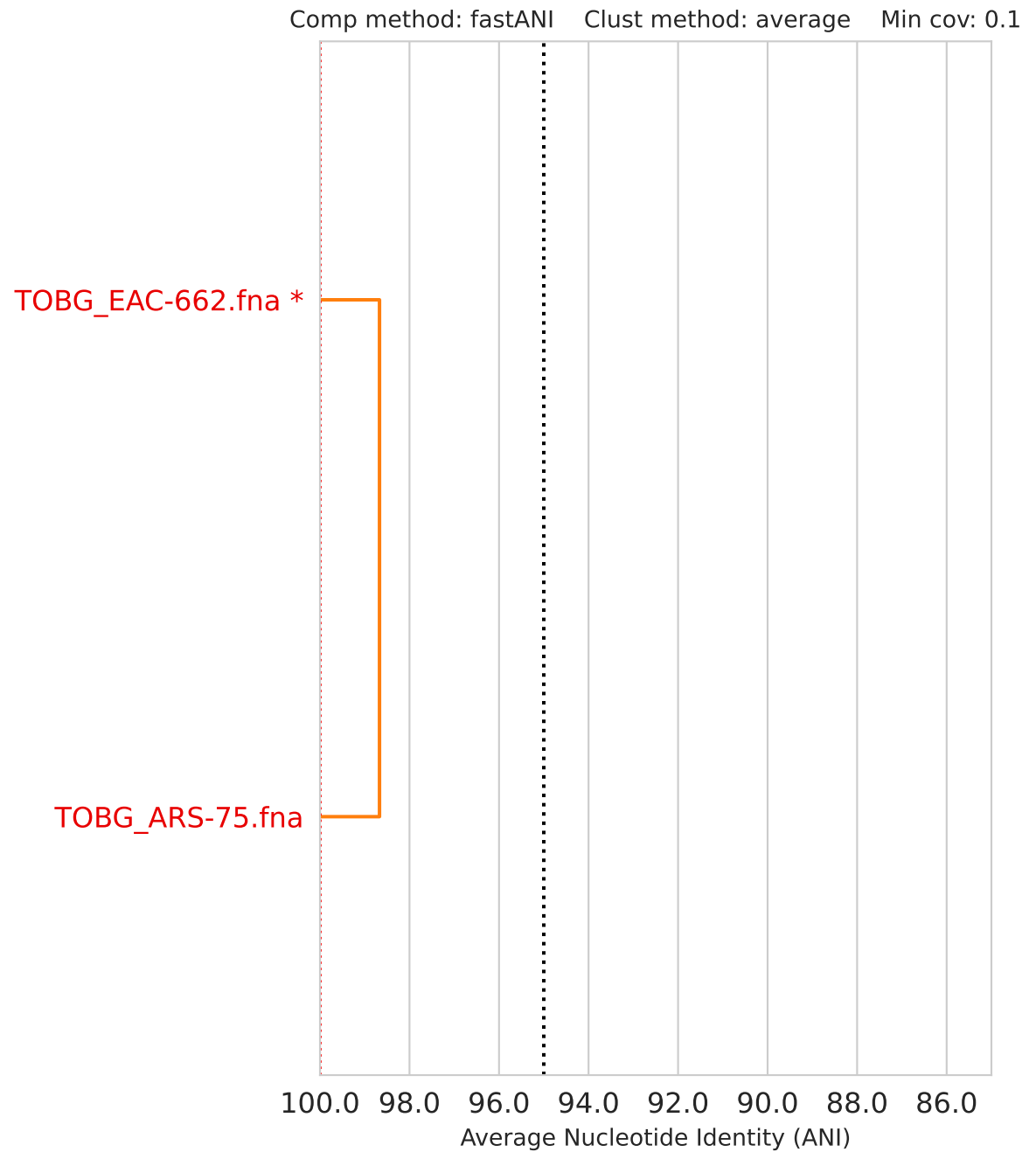
Primary cluster 898



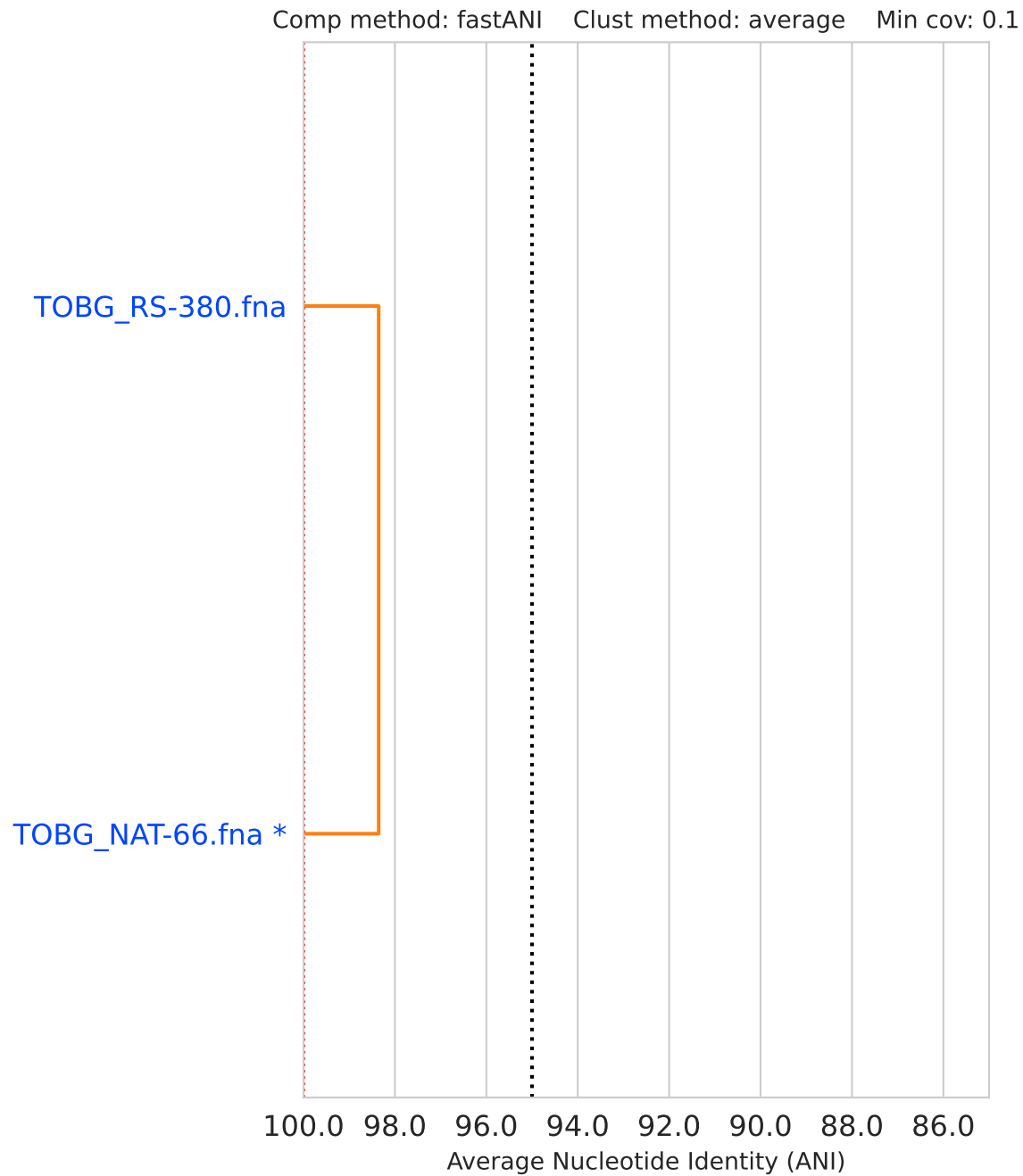
Primary cluster 904



Primary cluster 905



Primary cluster 907



Primary cluster 909

Comp method: fastANI

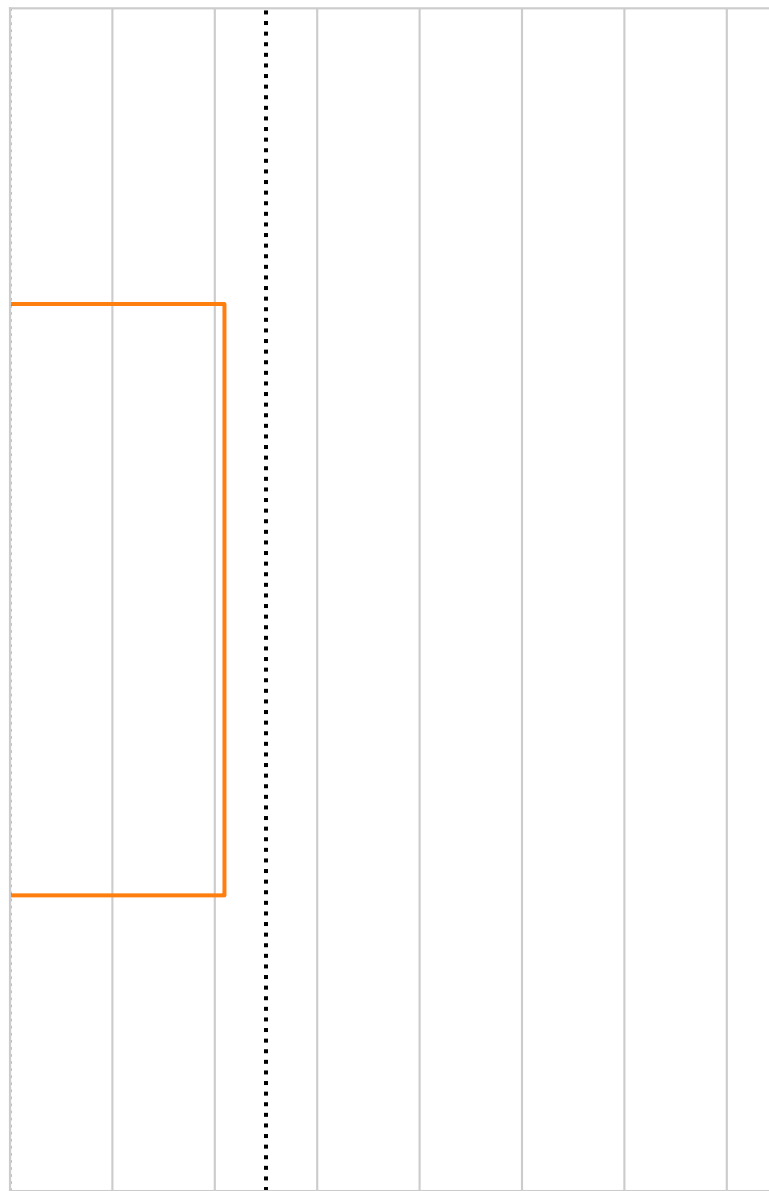
Clust method: average

Min cov: 0.1

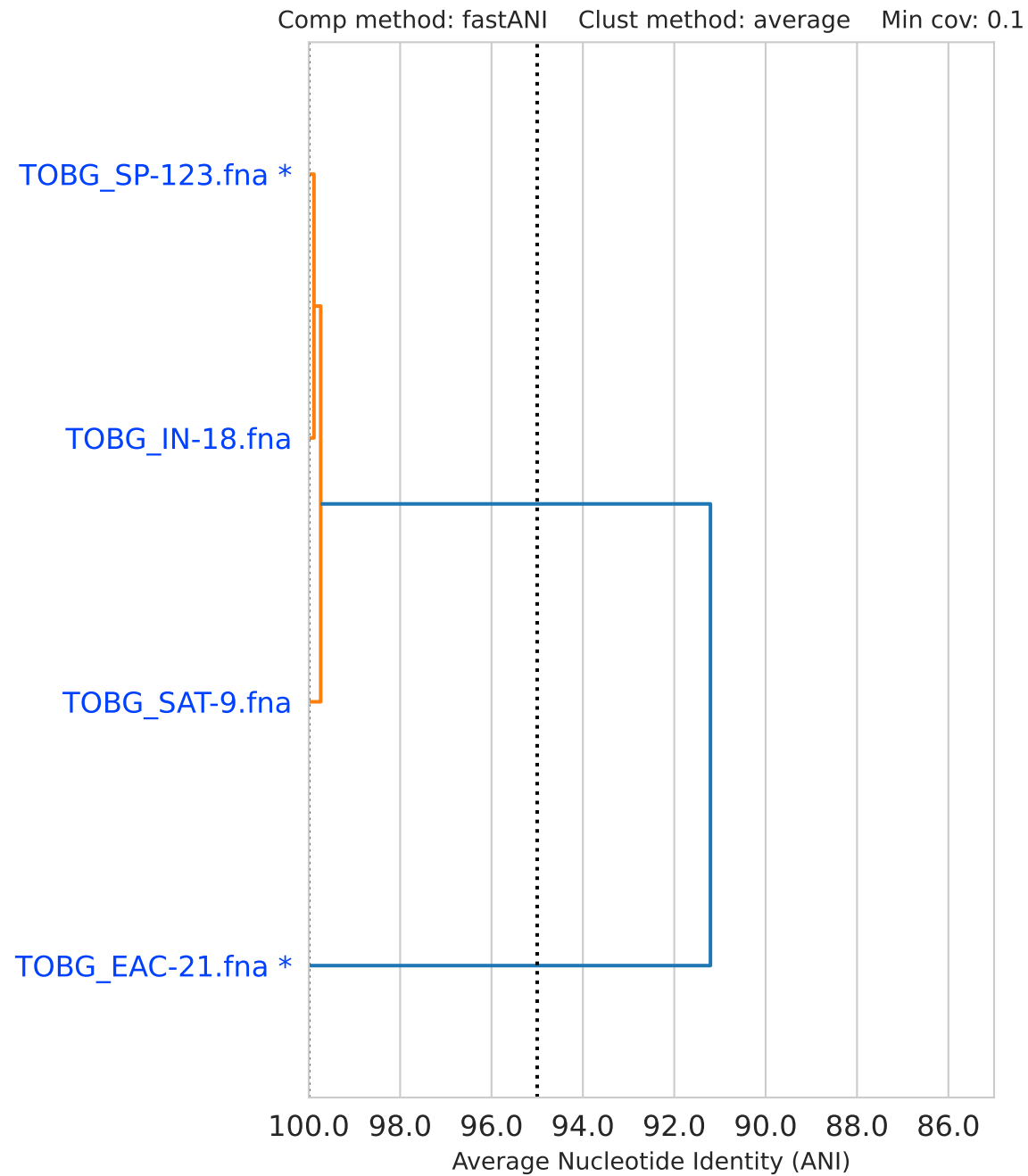
TOBG_RS-412.fna

TOBG_MED-616.fna *

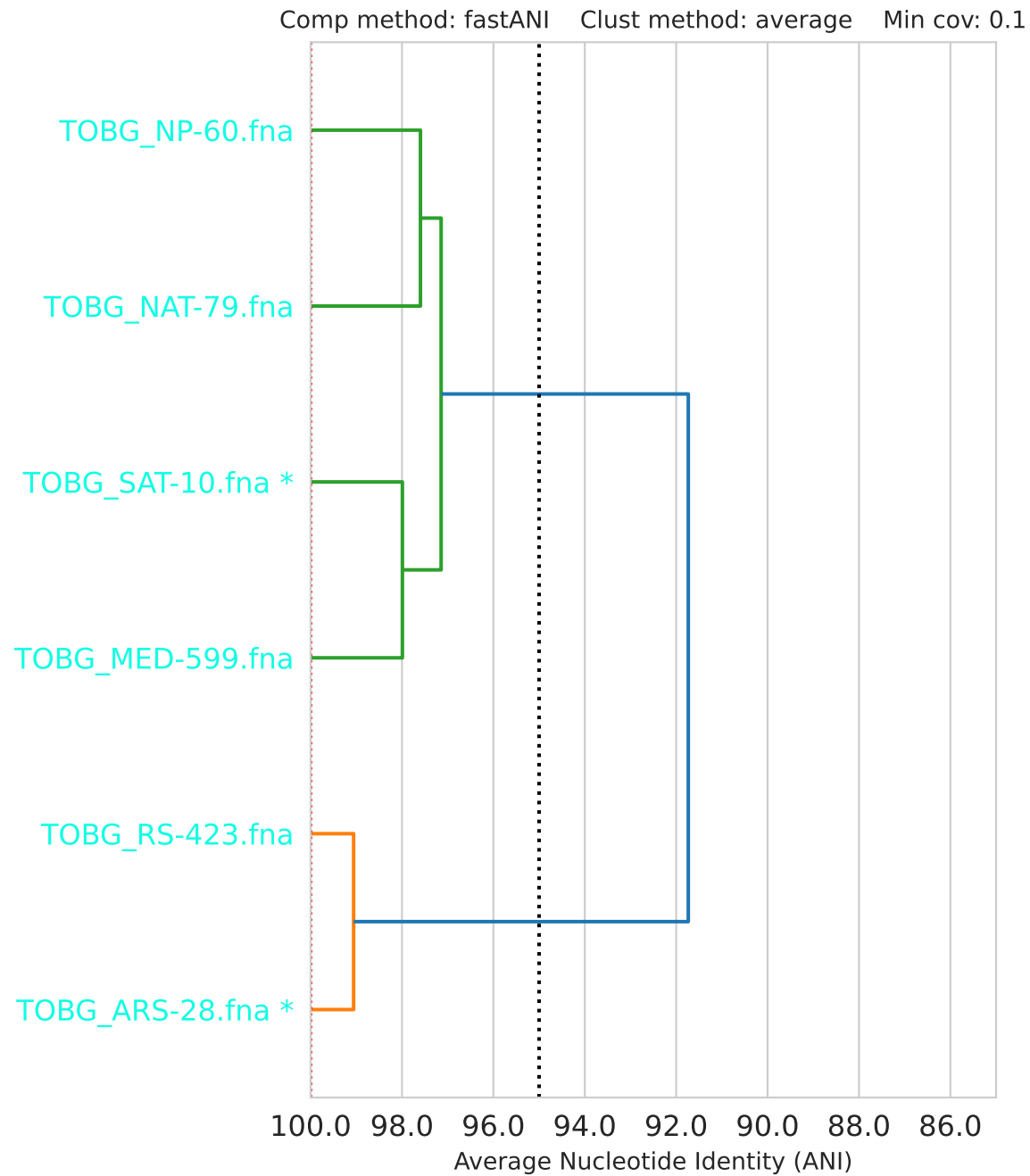
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0
Average Nucleotide Identity (ANI)



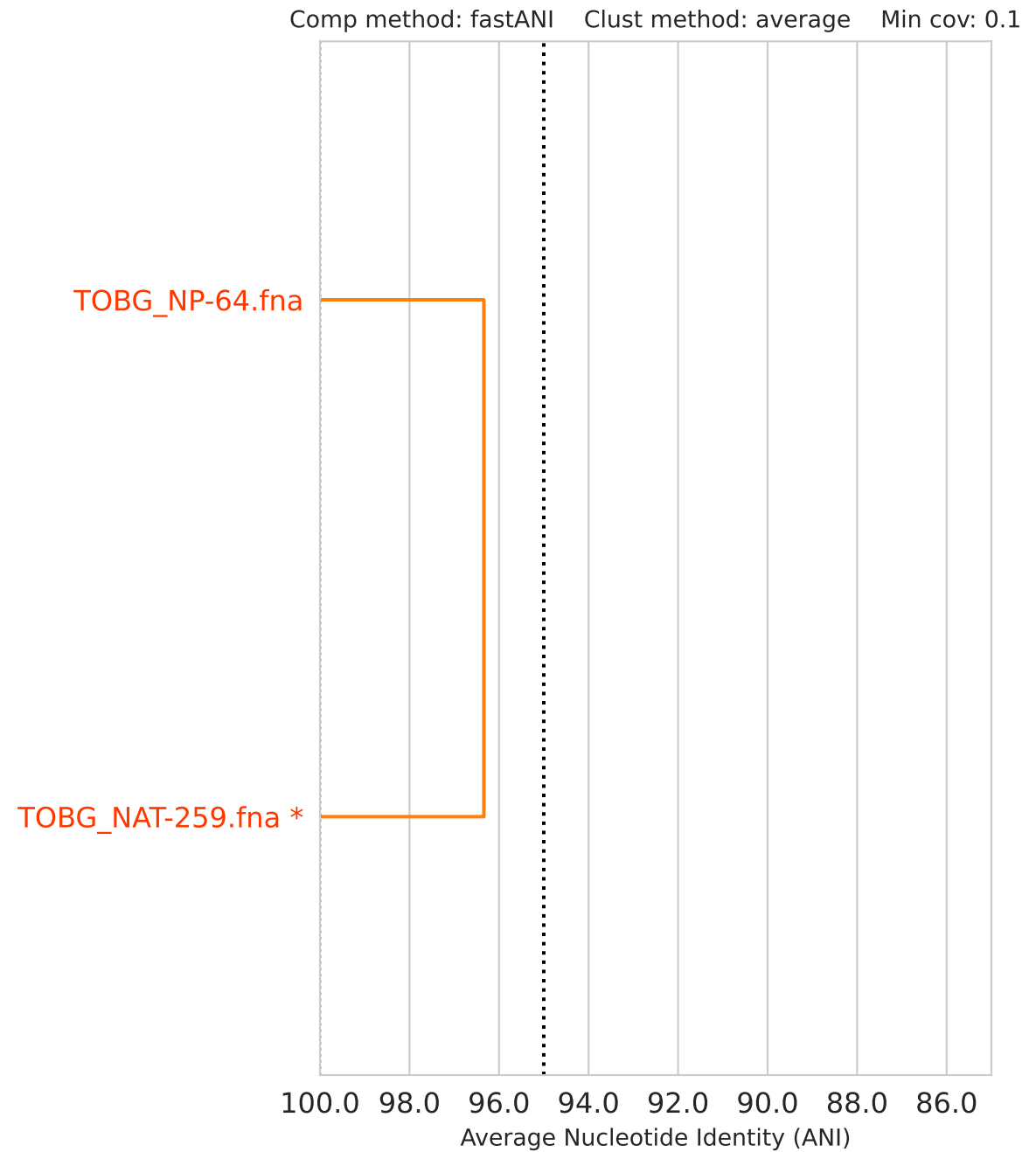
Primary cluster 915



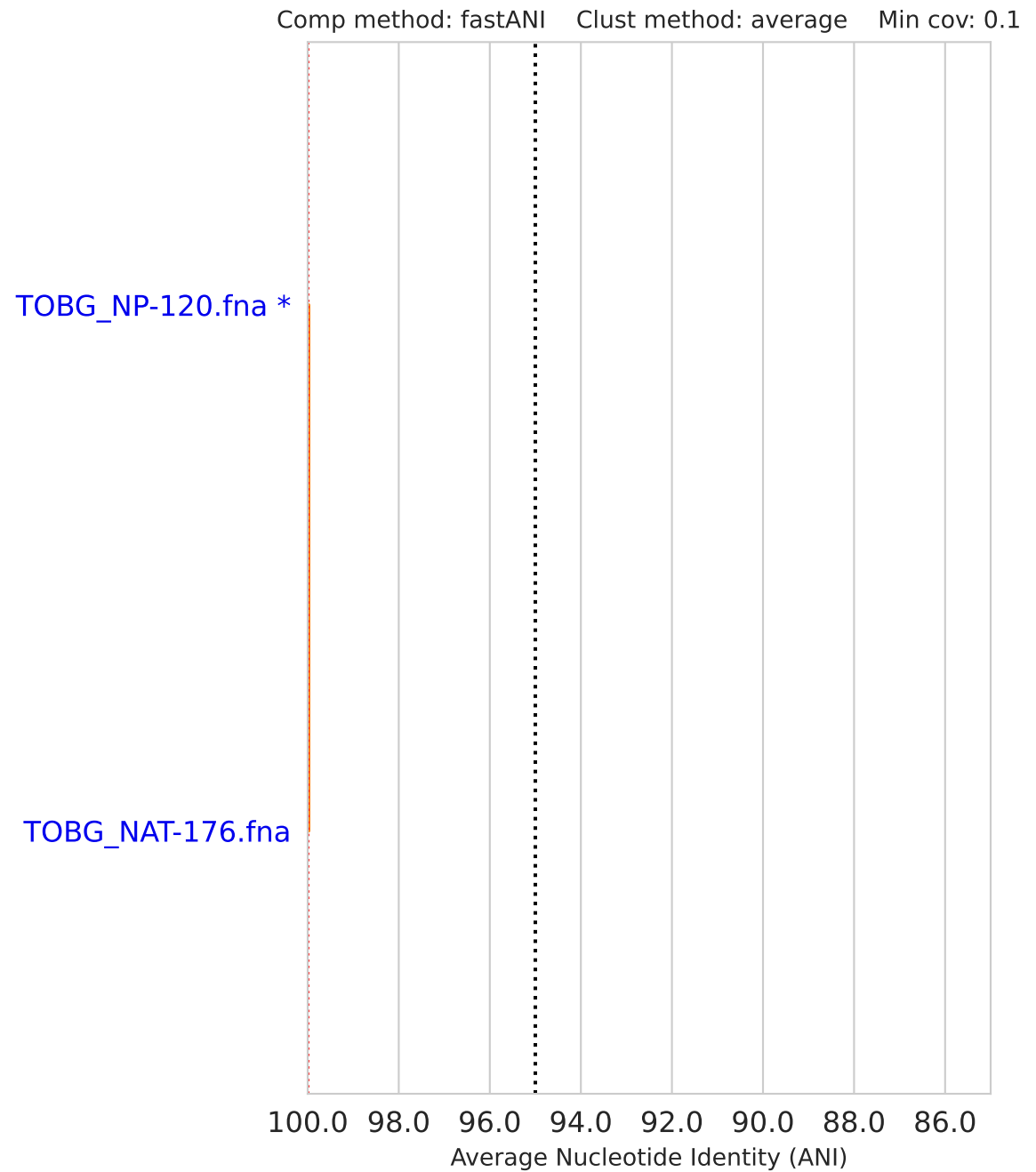
Primary cluster 927



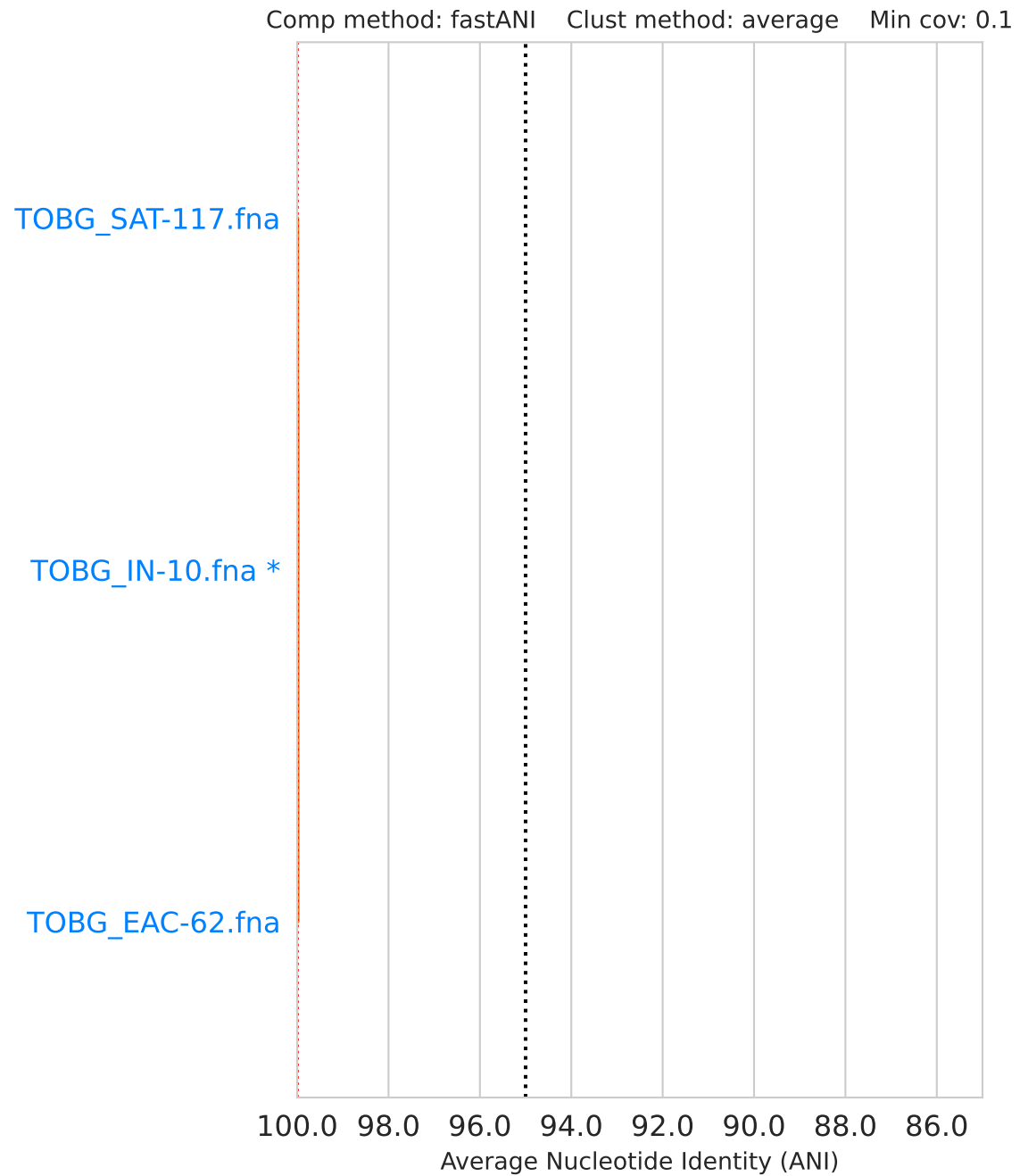
Primary cluster 936



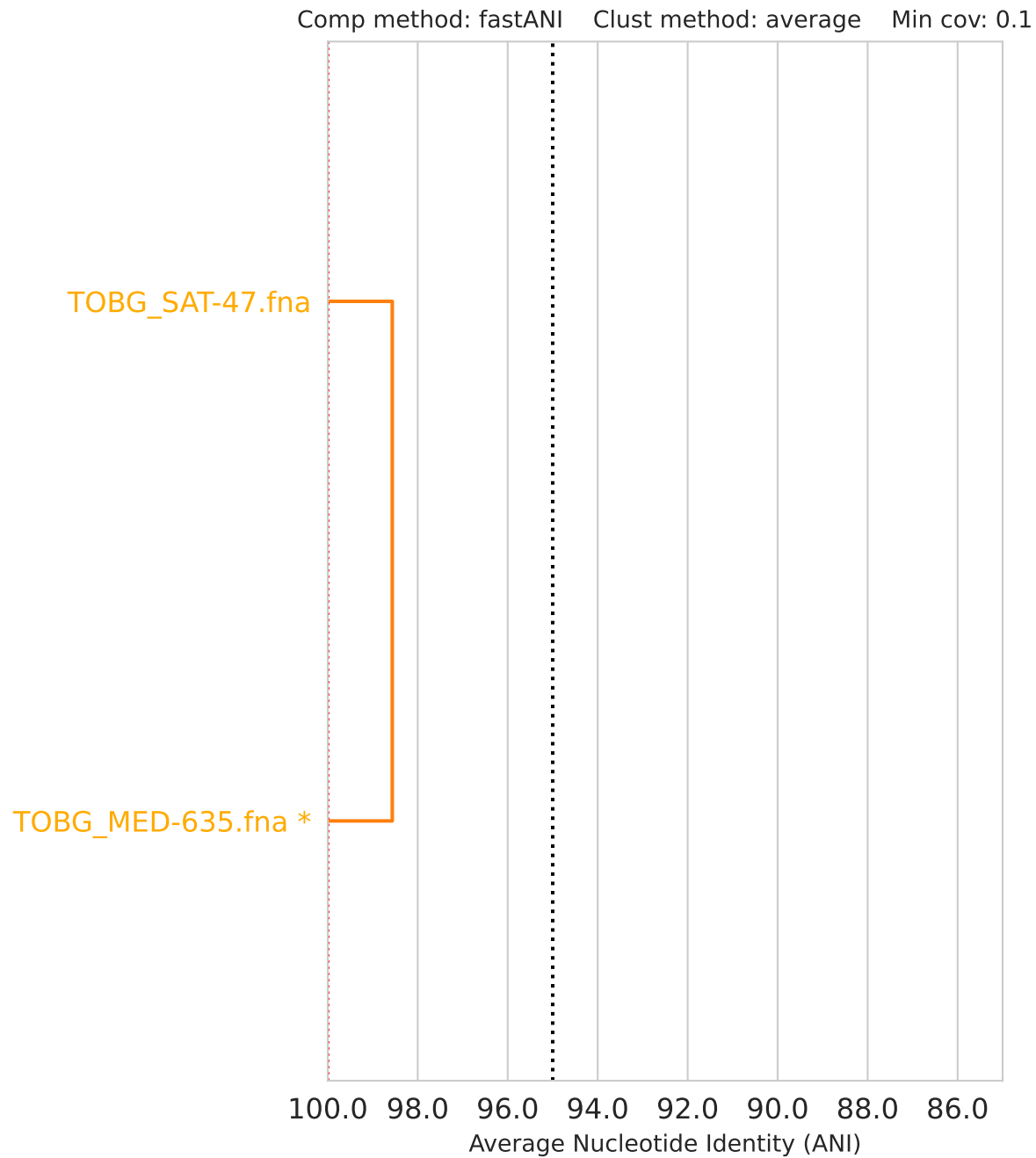
Primary cluster 946



Primary cluster 956



Primary cluster 981



Primary cluster 985

