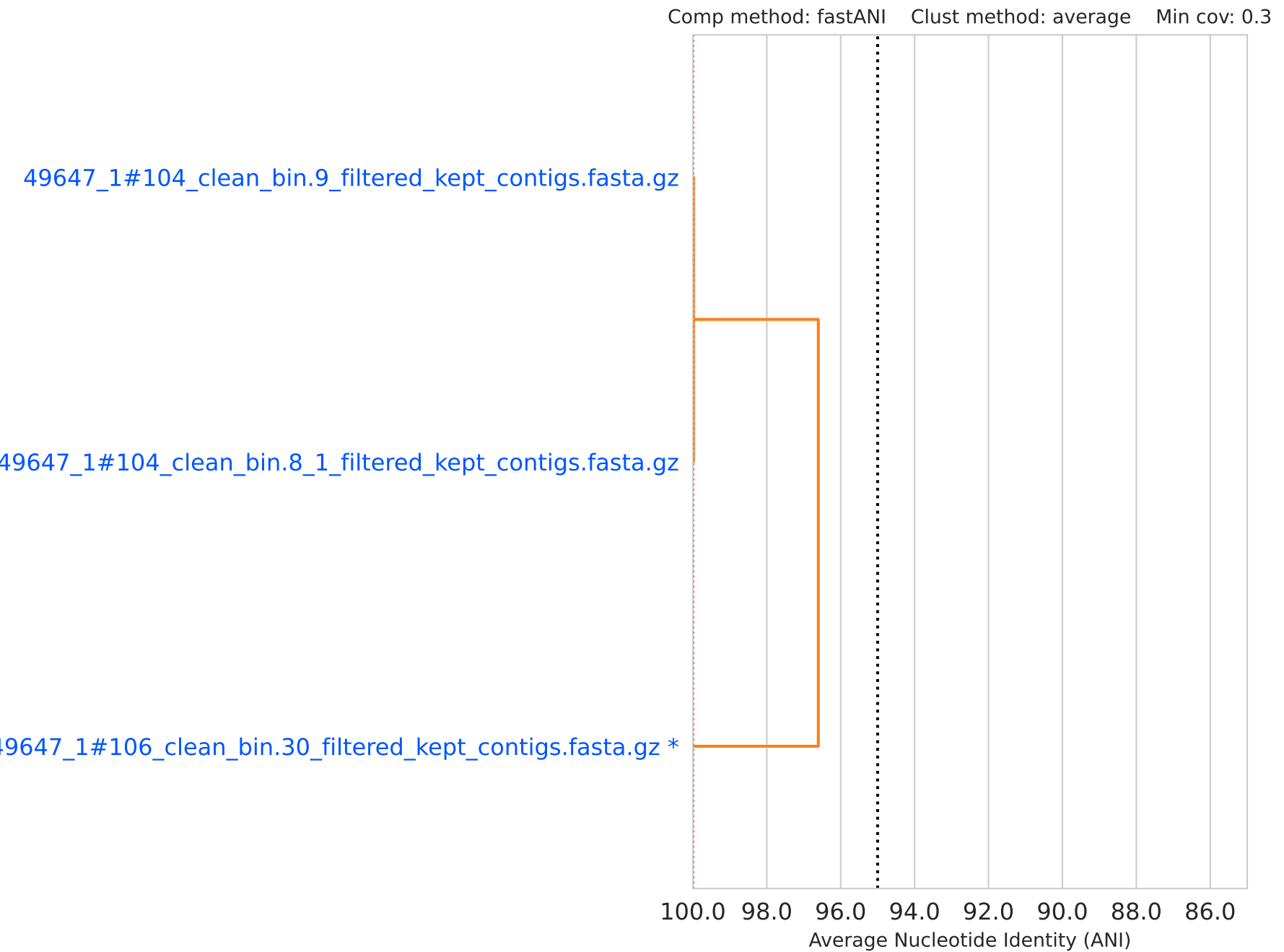


# Primary cluster 3



# Primary cluster 5

Comp method: fastANI

Clust method: average

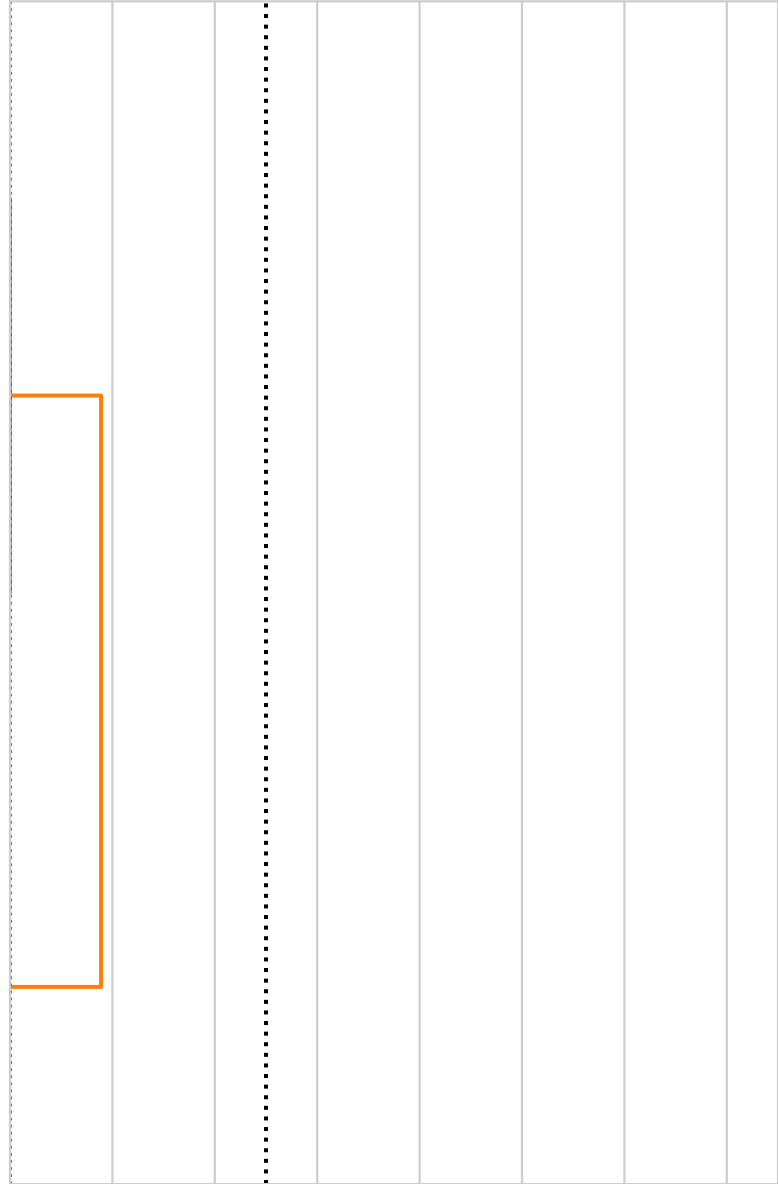
Min cov: 0.3

49647\_1#106\_clean\_bin.21\_28\_filtered\_kept\_contigs.fasta.gz \*

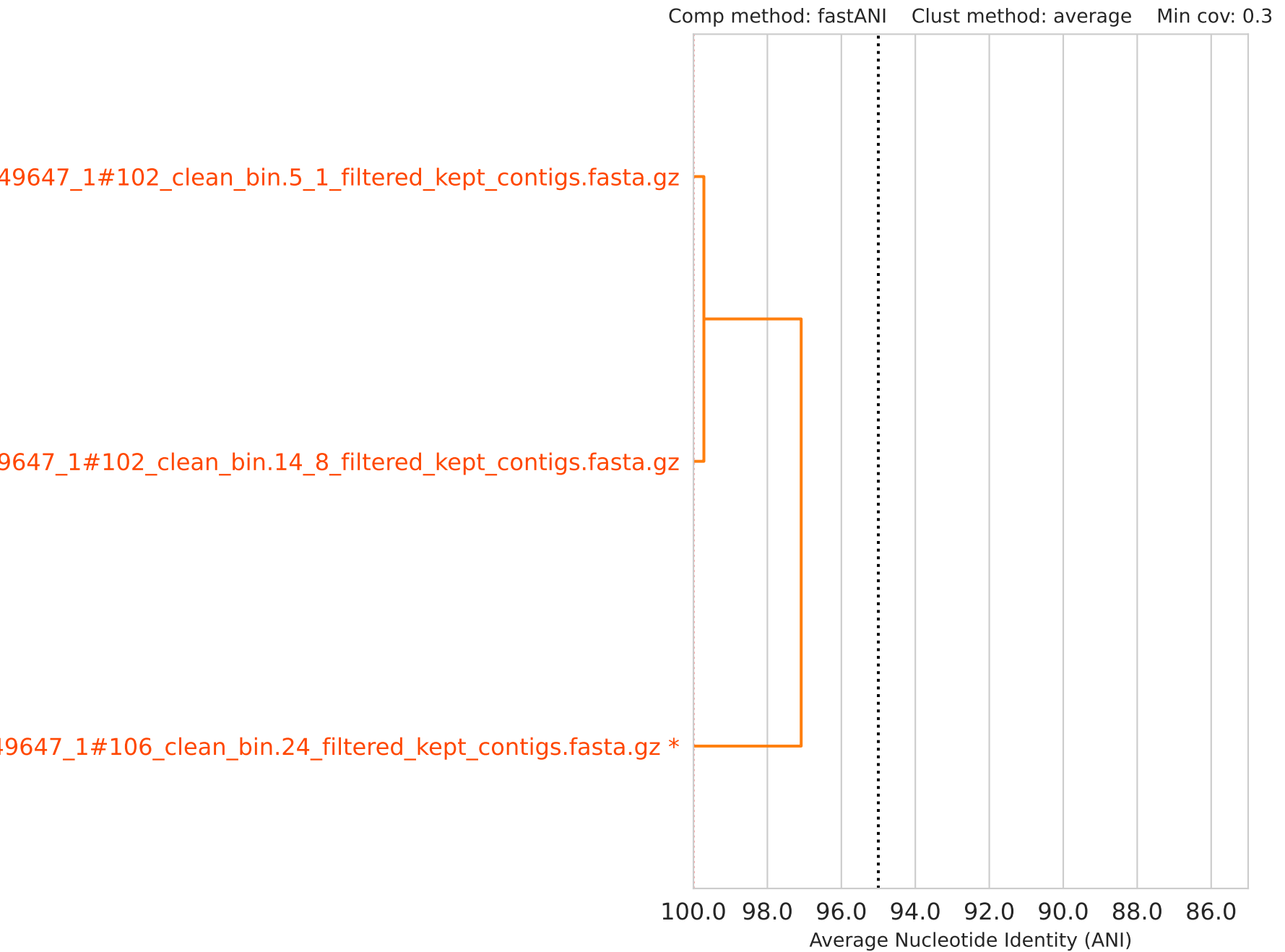
49647\_1#106\_clean\_bin.1\_filtered\_kept\_contigs.fasta.gz

49647\_1#100\_clean\_bin.16\_filtered\_kept\_contigs.fasta.gz

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



# Primary cluster 6



# Primary cluster 7

Comp method: fastANI

Clust method: average

Min cov: 0.3

9647\_1#106\_clean\_bin.21\_filtered\_kept\_contigs.fasta.gz \*

49647\_1#106\_clean\_bin.10\_filtered\_kept\_contigs.fasta.gz

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

# Primary cluster 8

Comp method: fastANI

Clust method: average

Min cov: 0.3

9647\_1#106\_clean\_bin.28\_filtered\_kept\_contigs.fasta.gz \*

9647\_1#106\_clean\_bin.24\_7\_filtered\_kept\_contigs.fasta.gz

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

# Primary cluster 9

Comp method: fastANI

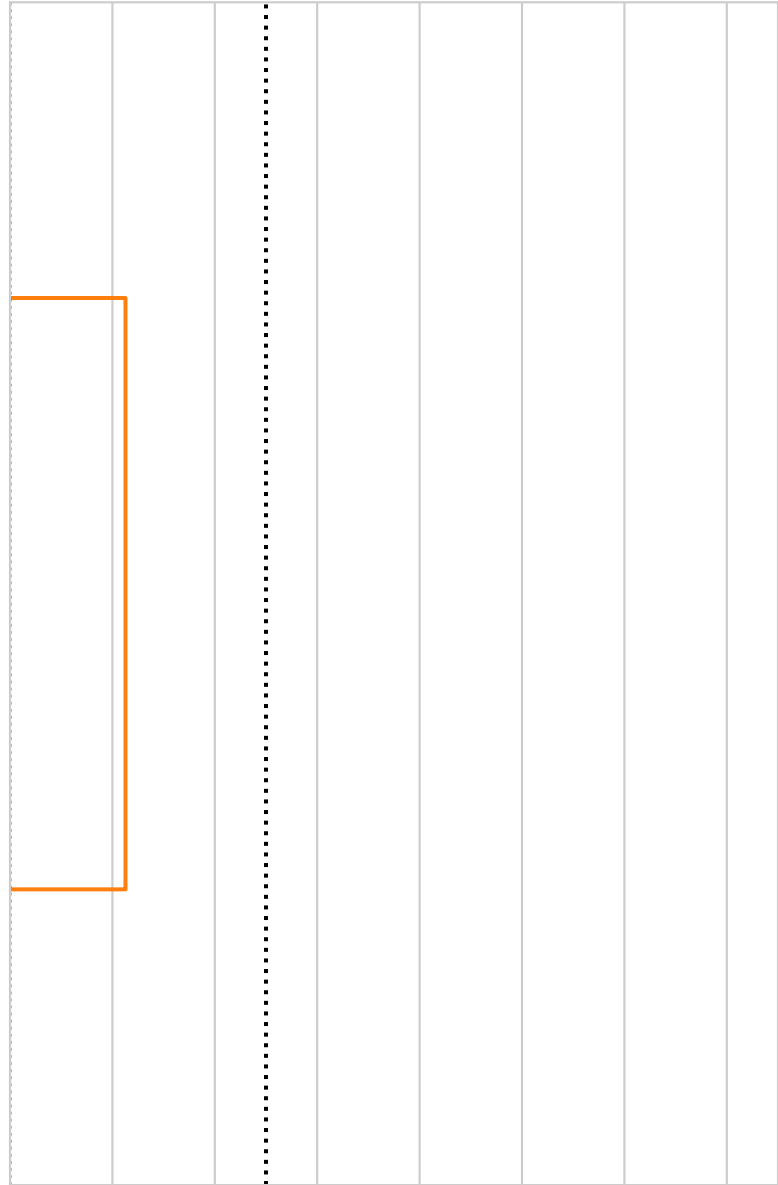
Clust method: average

Min cov: 0.3

49647\_1#106\_clean\_bin.12\_filtered\_kept\_contigs.fasta.gz \*

49647\_1#100\_clean\_bin.4\_filtered\_kept\_contigs.fasta.gz

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



# Primary cluster 12

Comp method: fastANI

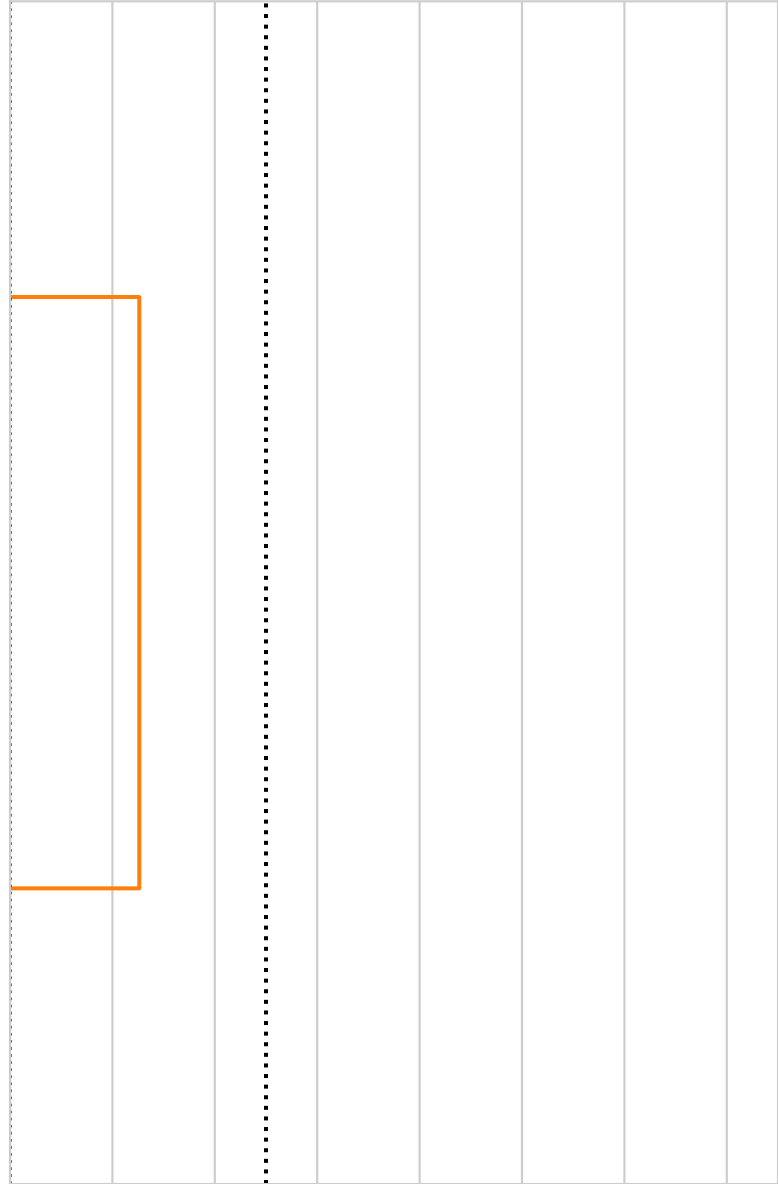
Clust method: average

Min cov: 0.3

547\_1#102\_clean\_bin.15\_6\_filtered\_kept\_contigs.fasta.gz \*

49647\_1#100\_clean\_bin.15\_filtered\_kept\_contigs.fasta.gz

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



# Primary cluster 14

Comp method: fastANI

Clust method: average

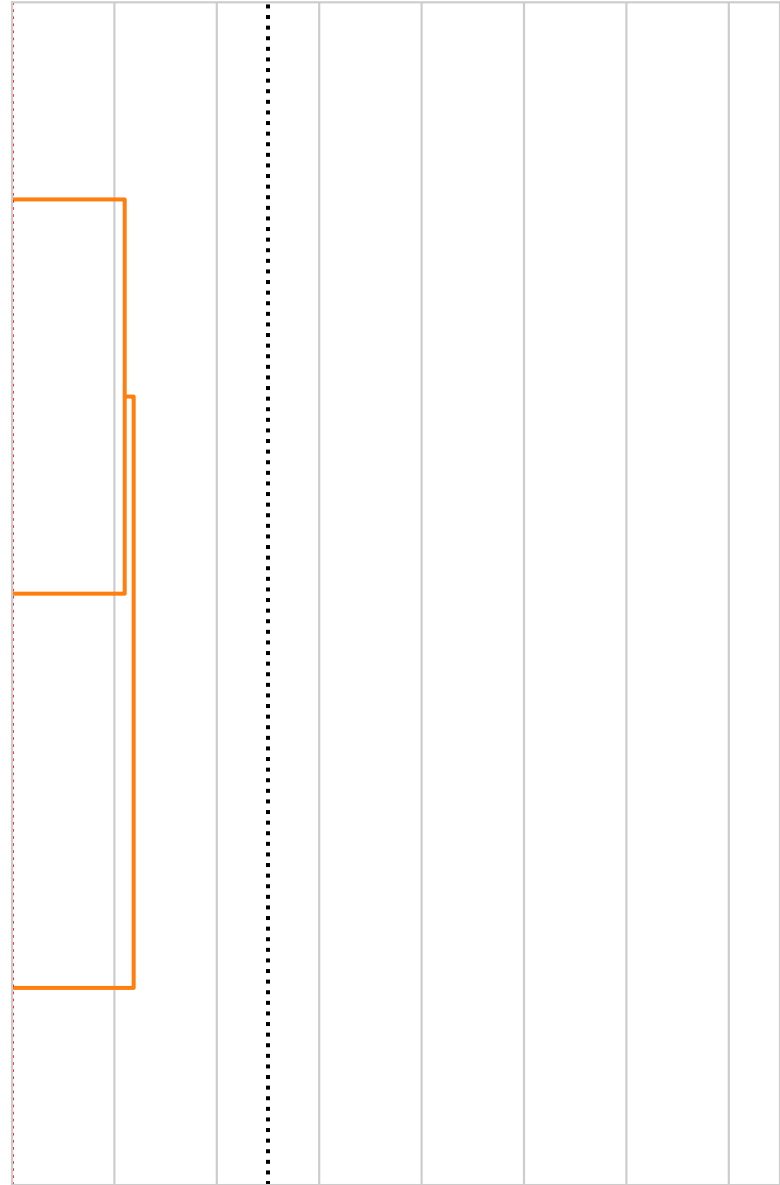
Min cov: 0.3

647\_1#2\_clean\_bin.21.orig\_filtered\_kept\_contigs.fasta.gz \*

49647\_1#100\_clean\_bin.13\_filtered\_kept\_contigs.fasta.gz

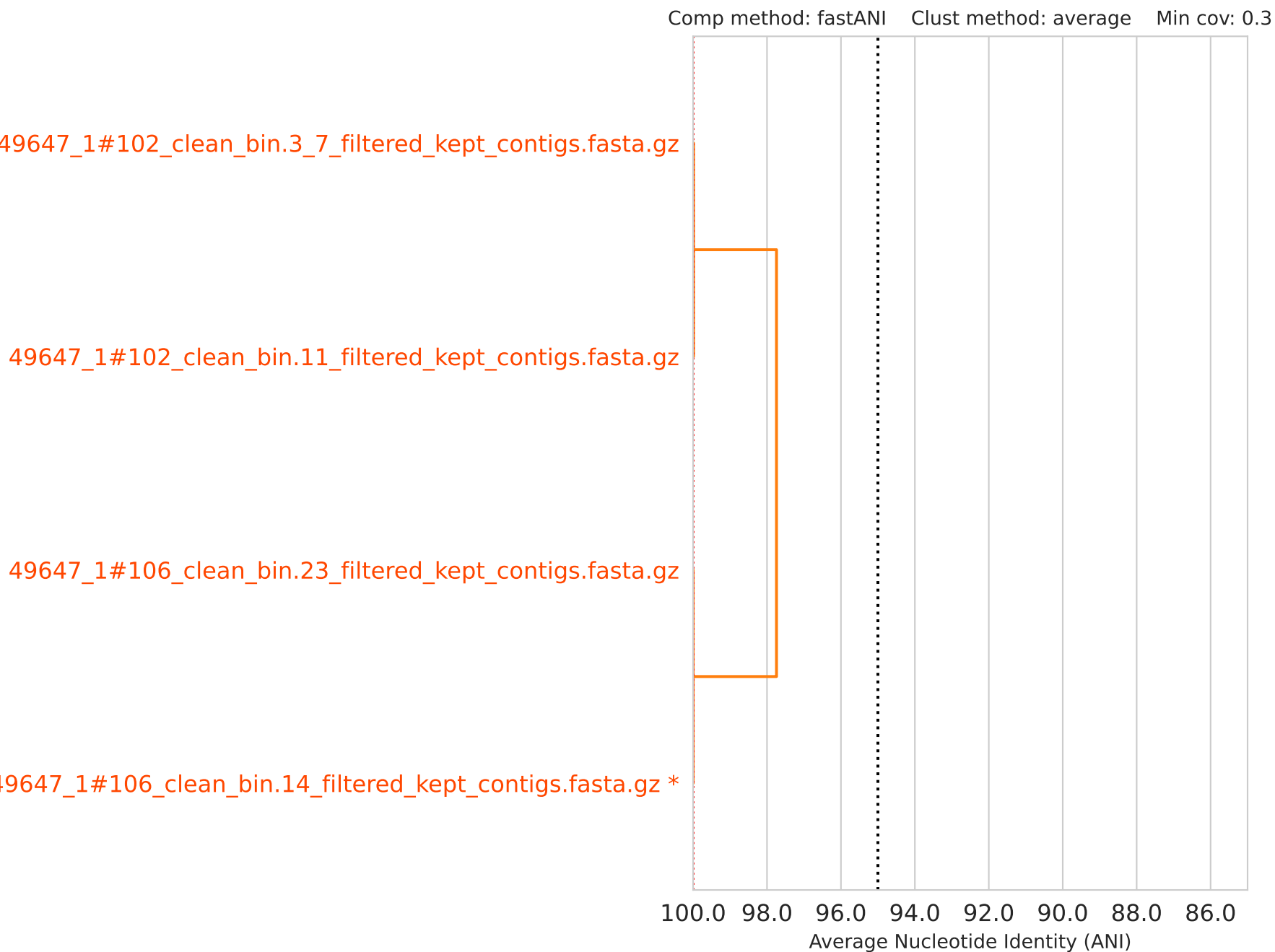
647\_1#106\_clean\_bin.29\_14\_filtered\_kept\_contigs.fasta.gz

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





# Primary cluster 15



# Primary cluster 20

Comp method: fastANI

Clust method: average

Min cov: 0.3

49647\_1#104\_clean\_bin.4\_5\_filtered\_kept\_contigs.fasta.gz

49647\_1#104\_clean\_bin.1\_filtered\_kept\_contigs.fasta.gz \*

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

# Primary cluster 21

Comp method: fastANI

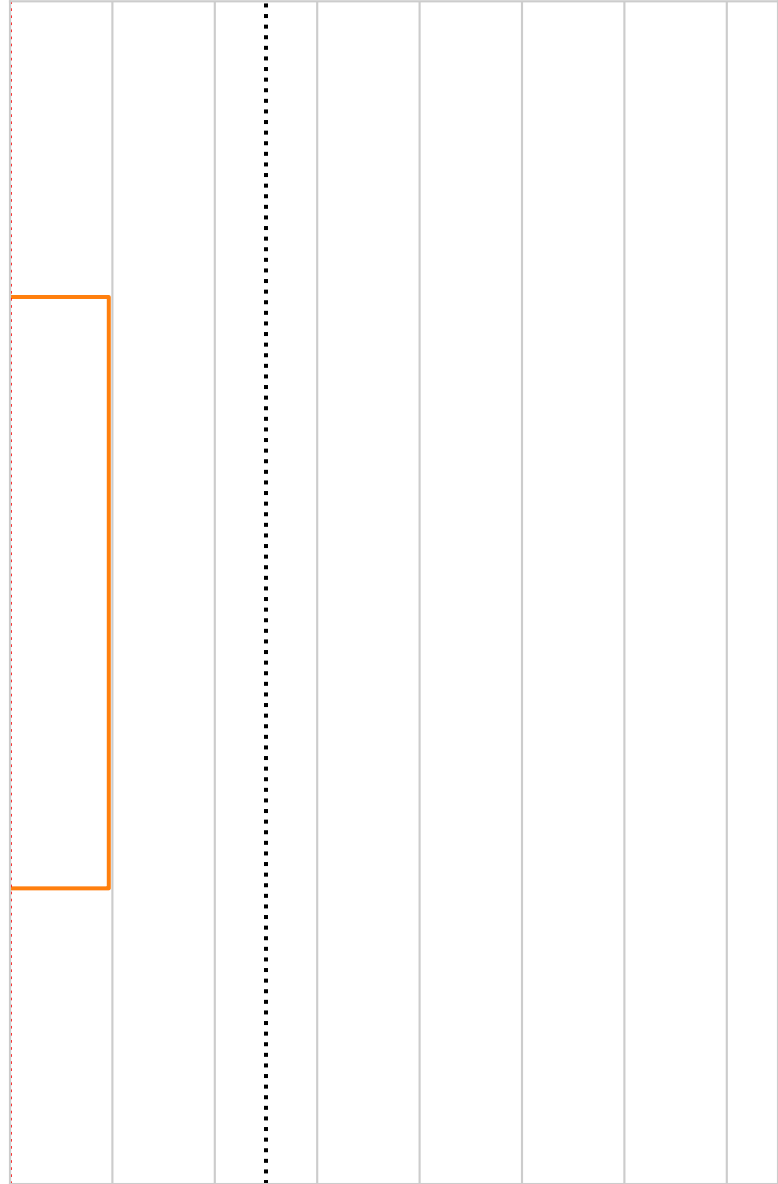
Clust method: average

Min cov: 0.3

49647\_1#104\_clean\_bin.5\_filtered\_kept\_contigs.fasta.gz \*

49647\_1#100\_clean\_bin.10\_filtered\_kept\_contigs.fasta.gz

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



# Primary cluster 22

Comp method: fastANI

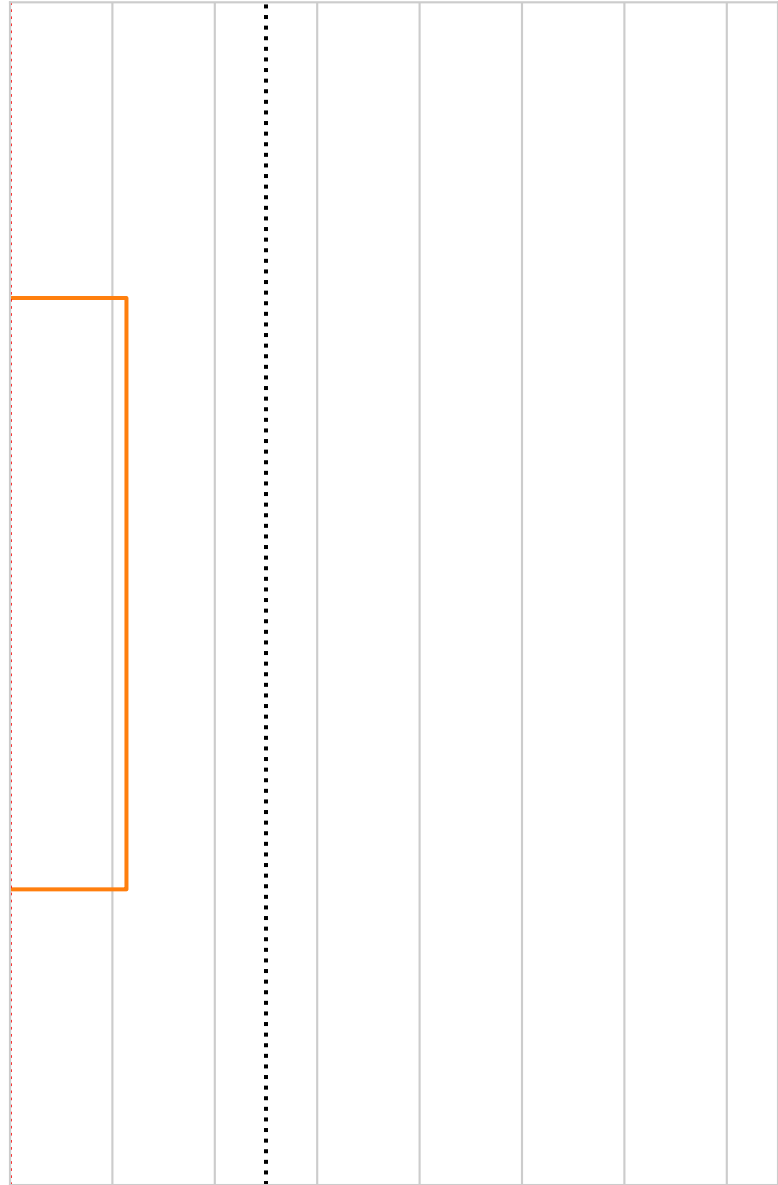
Clust method: average

Min cov: 0.3

9647\_1#102\_clean\_bin.10\_filtered\_kept\_contigs.fasta.gz \*

49647\_1#100\_clean\_bin.19\_filtered\_kept\_contigs.fasta.gz

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



# Primary cluster 23

Comp method: fastANI

Clust method: average

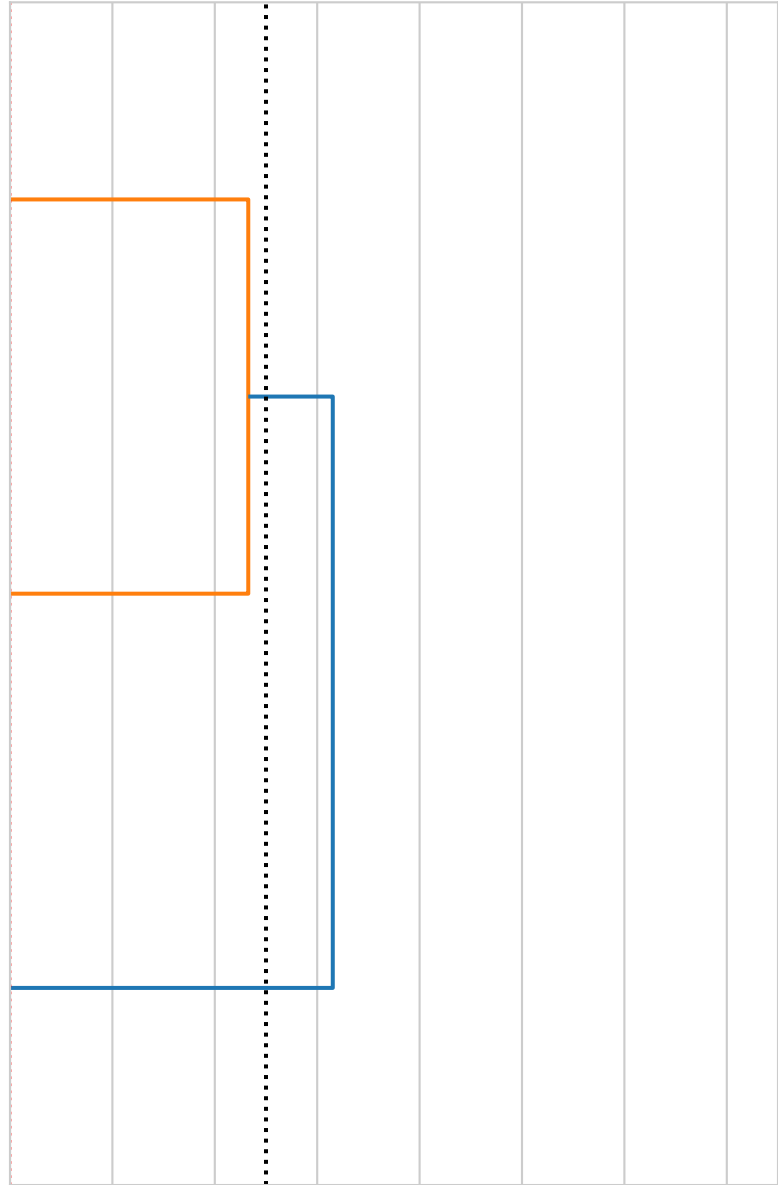
Min cov: 0.3

47\_1#70\_clean\_bin.2.strict\_filtered\_kept\_contigs.fasta.gz \*

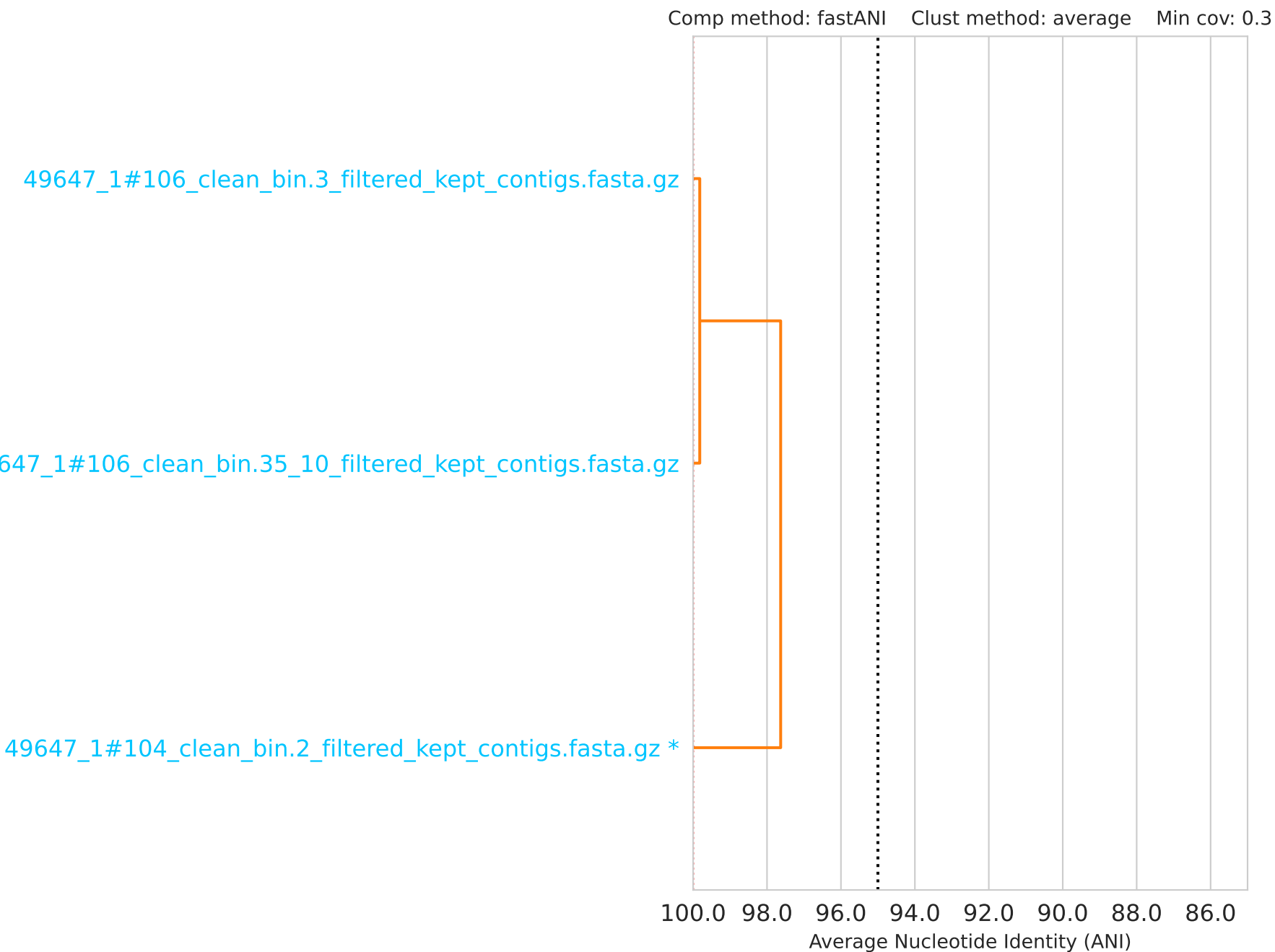
49647\_1#102\_clean\_bin.8\_filtered\_kept\_contigs.fasta.gz

647\_1#2\_clean\_bin.30.orig\_filtered\_kept\_contigs.fasta.gz \*

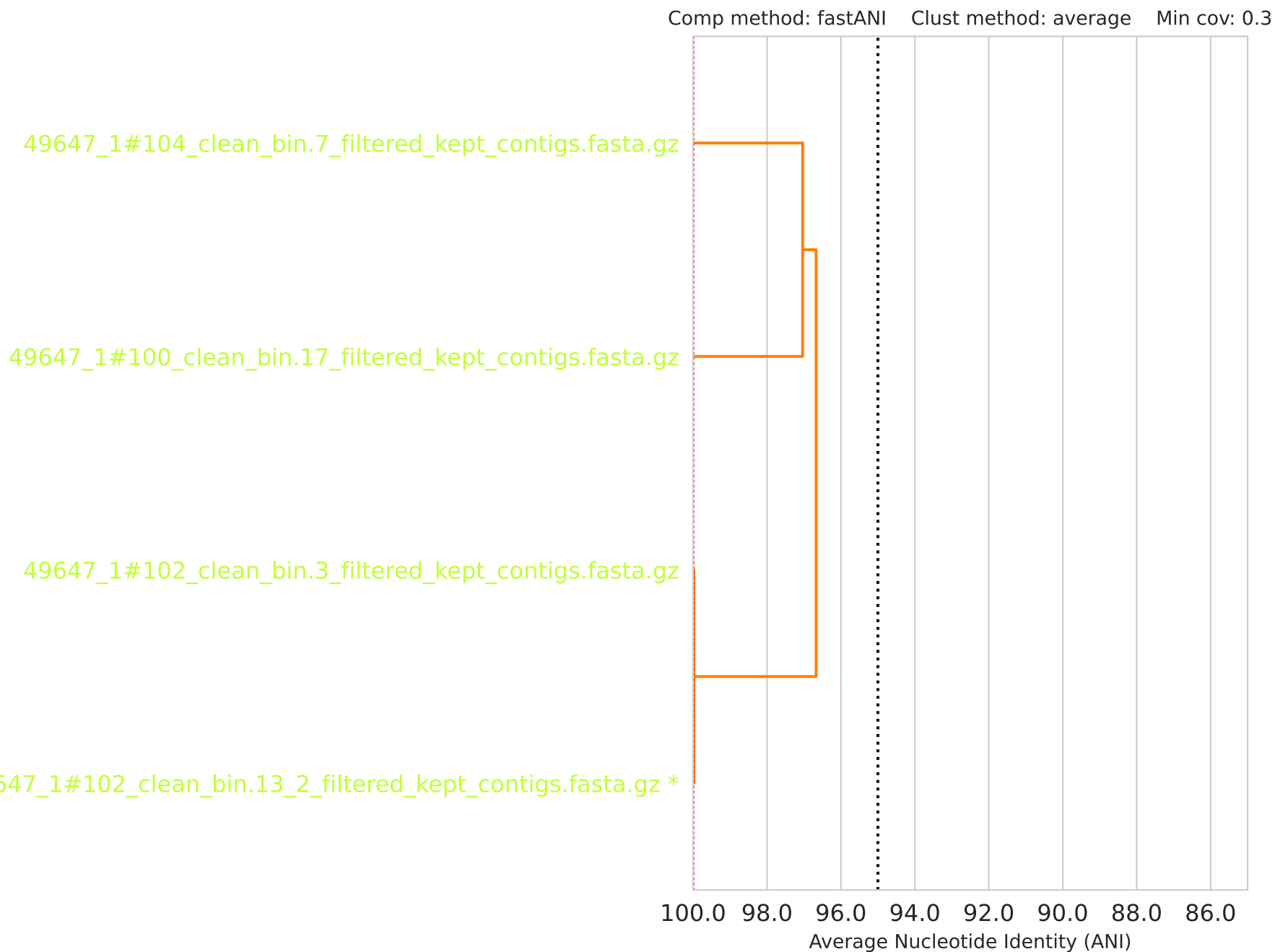
100.0 98.0 96.0 94.0 92.0 90.0 88.0 86.0  
Average Nucleotide Identity (ANI)



# Primary cluster 25



# Primary cluster 27

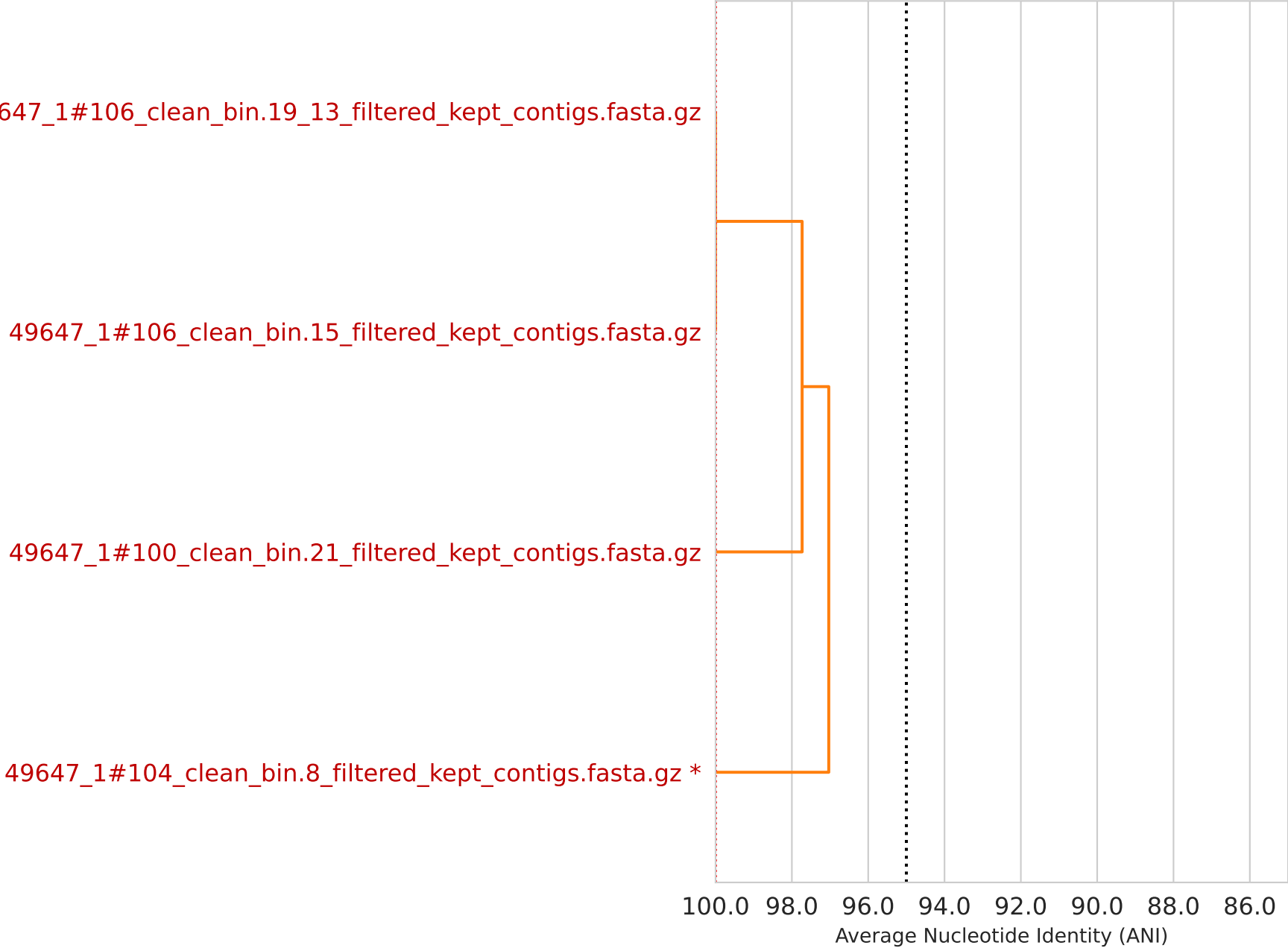


# Primary cluster 28

Comp method: fastANI

Clust method: average

Min cov: 0.3





# Primary cluster 31

Comp method: fastANI

Clust method: average

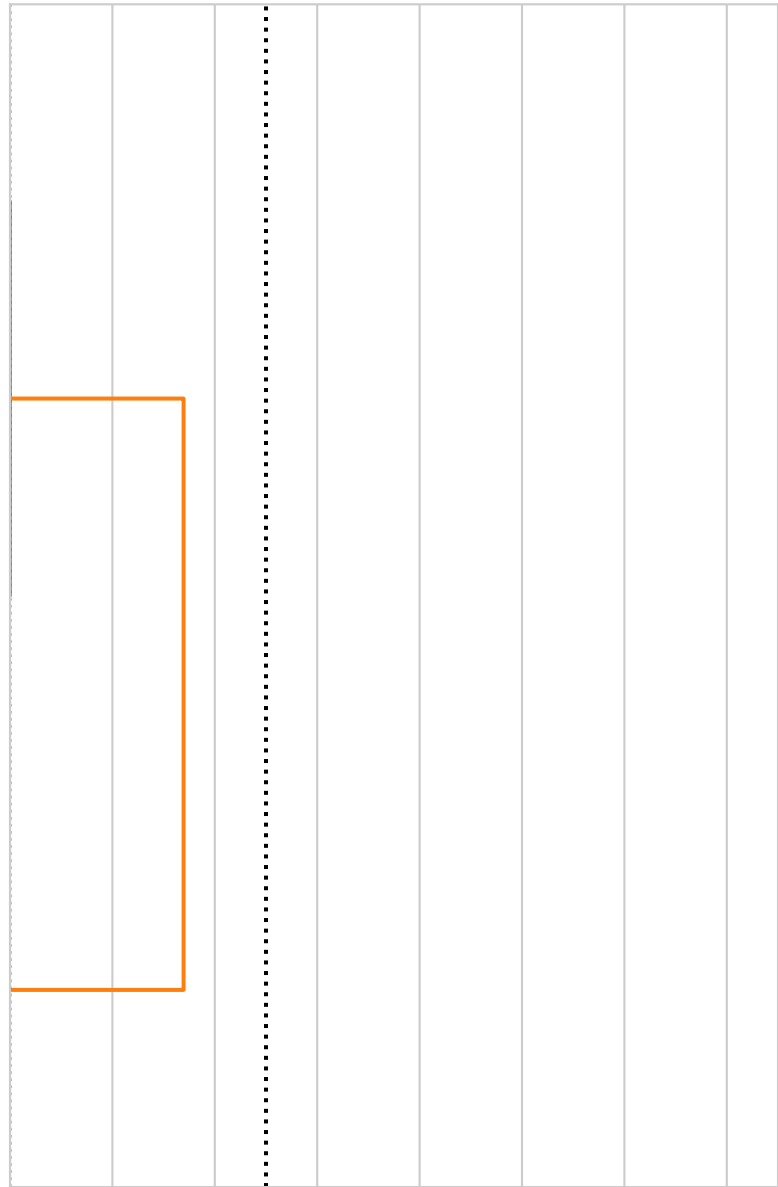
Min cov: 0.3

49647\_1#102\_clean\_bin.17\_filtered\_kept\_contigs.fasta.gz

49647\_1#102\_clean\_bin.15\_filtered\_kept\_contigs.fasta.gz \*

49647\_1#100\_clean\_bin.8\_filtered\_kept\_contigs.fasta.gz

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



# Primary cluster 37

Comp method: fastANI

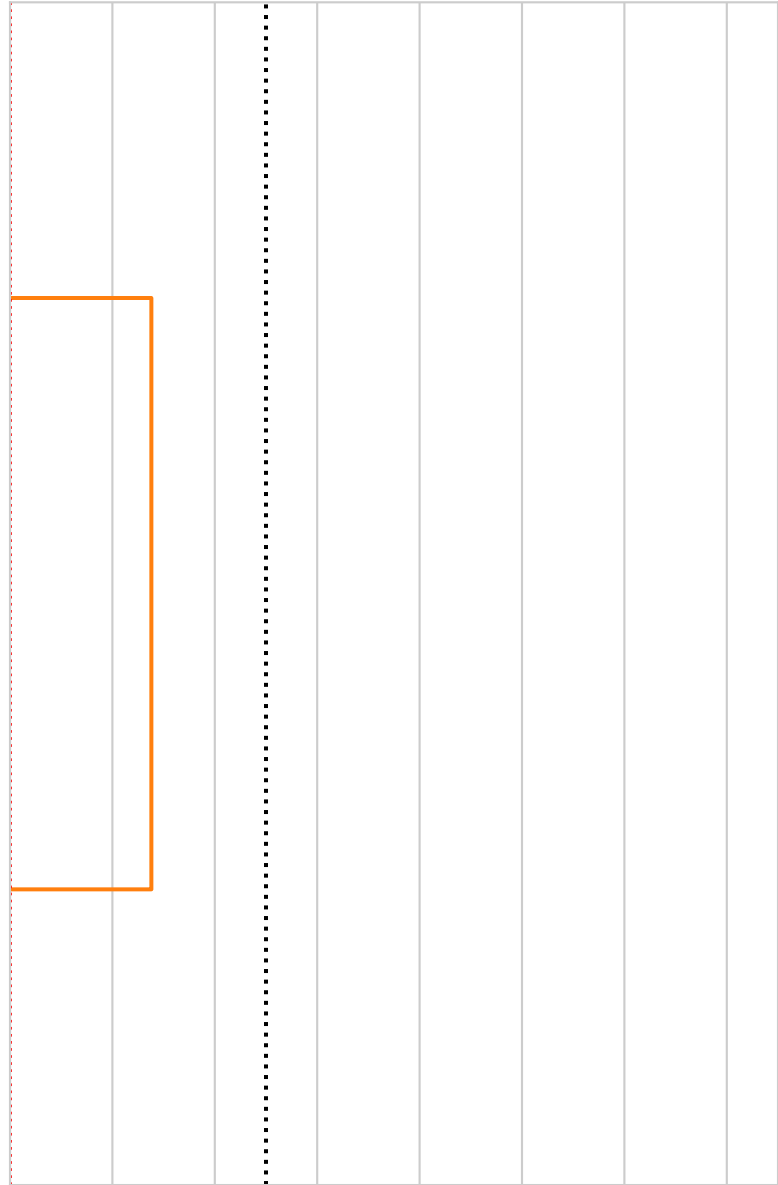
Clust method: average

Min cov: 0.3

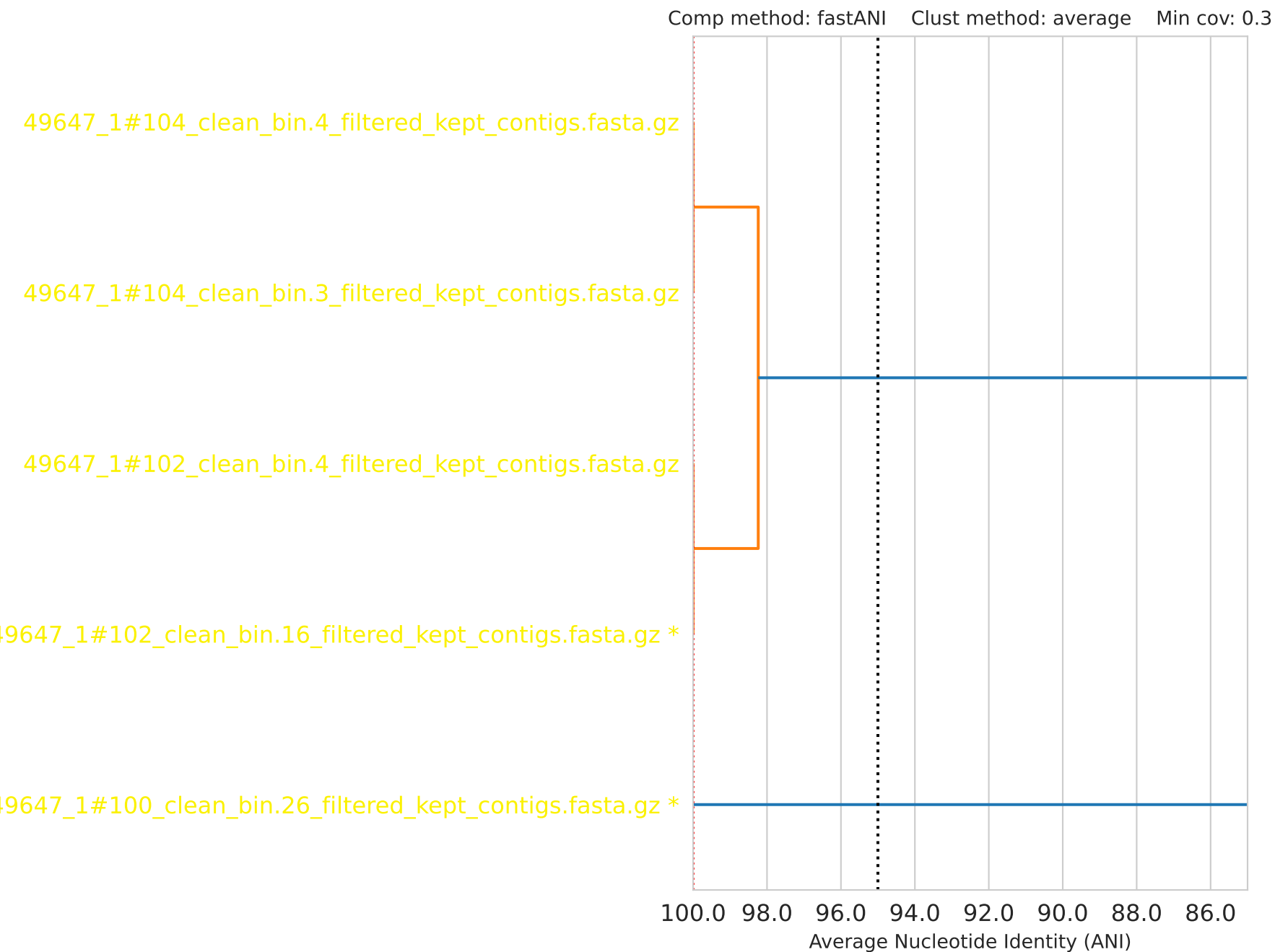
647\_1#2\_clean\_bin.28.orig\_filtered\_kept\_contigs.fasta.gz \*

49647\_1#106\_clean\_bin.33\_filtered\_kept\_contigs.fasta.gz

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



# Primary cluster 39



# Primary cluster 42

Comp method: fastANI

Clust method: average

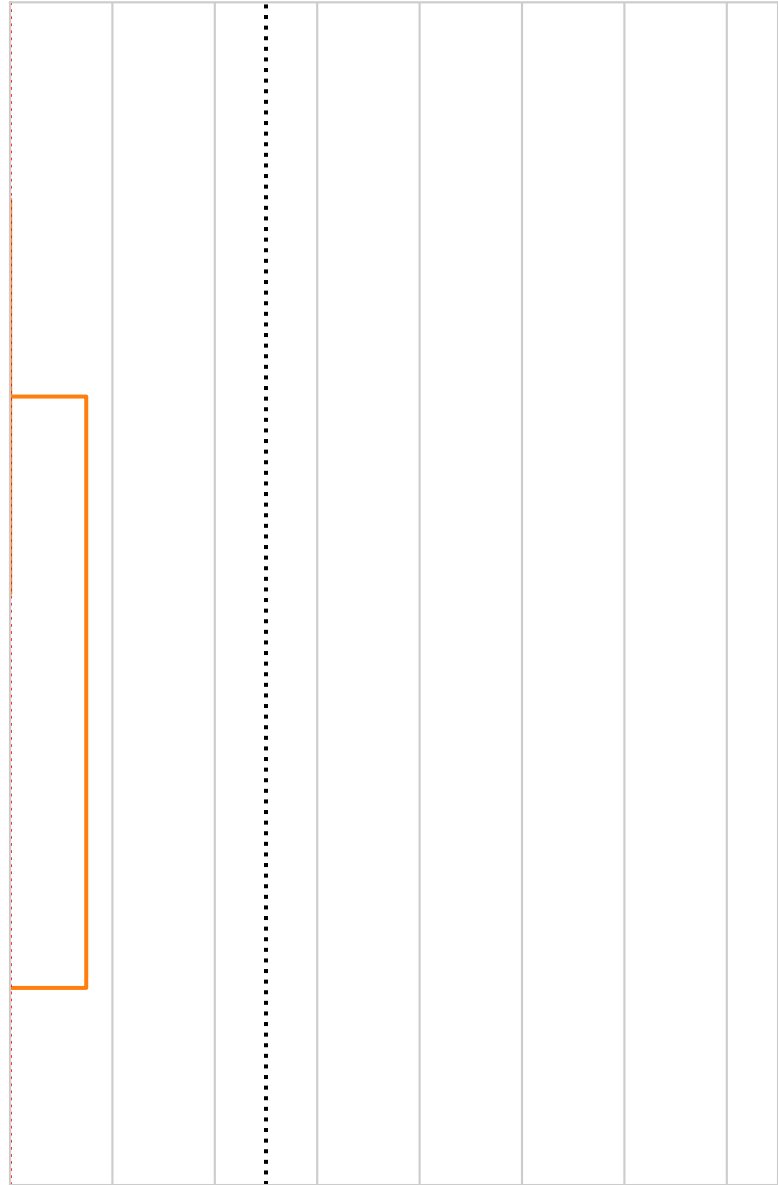
Min cov: 0.3

49647\_1#102\_clean\_bin.6\_filtered\_kept\_contigs.fasta.gz

49647\_1#102\_clean\_bin.1\_filtered\_kept\_contigs.fasta.gz

47\_1#70\_clean\_bin.6.strict\_filtered\_kept\_contigs.fasta.gz \*

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



# Primary cluster 45

Comp method: fastANI

Clust method: average

Min cov: 0.3

9647\_1#106\_clean\_bin.32\_filtered\_kept\_contigs.fasta.gz \*

9647\_1#106\_clean\_bin.10\_33\_filtered\_kept\_contigs.fasta.gz

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

# Primary cluster 49

Comp method: fastANI

Clust method: average

Min cov: 0.3

49647\_1#104\_clean\_bin.5\_2\_filtered\_kept\_contigs.fasta.gz

49647\_1#104\_clean\_bin.1\_4\_filtered\_kept\_contigs.fasta.gz

49647\_1#100\_clean\_bin.2\_filtered\_kept\_contigs.fasta.gz \*

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

# Primary cluster 50

Comp method: fastANI

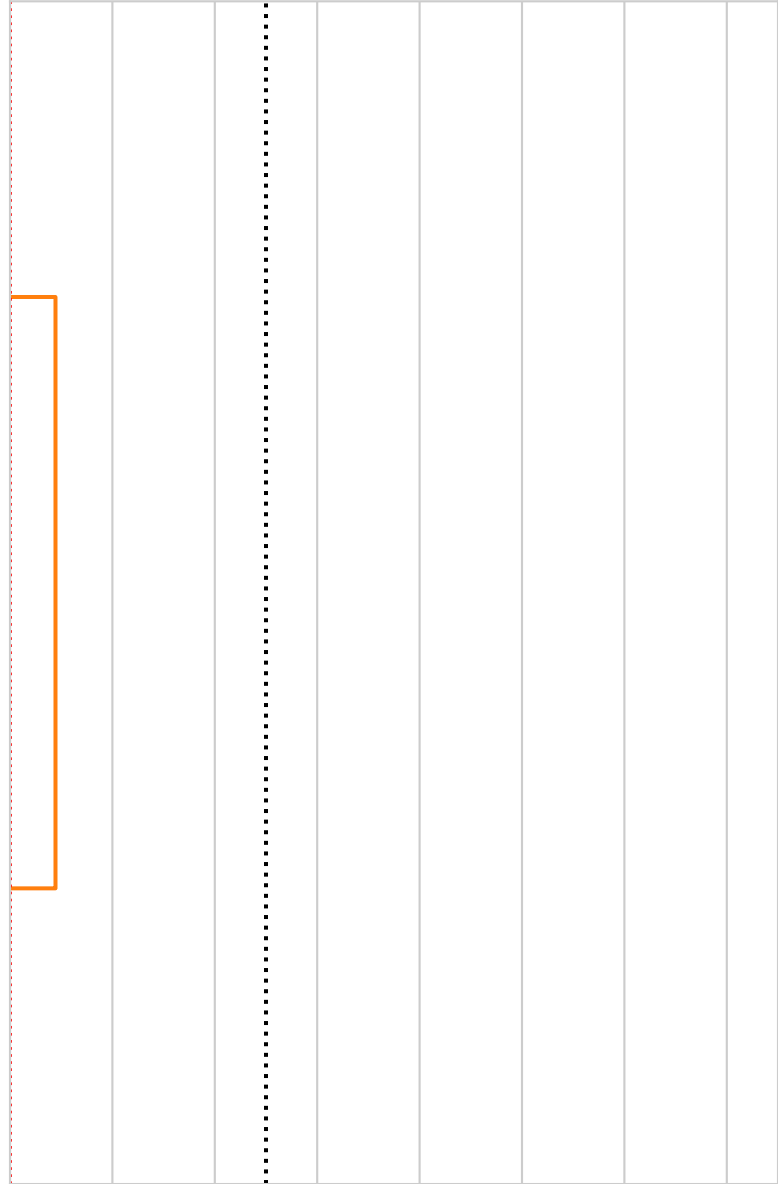
Clust method: average

Min cov: 0.3

647\_1#2\_clean\_bin.11.orig\_filtered\_kept\_contigs.fasta.gz \*

49647\_1#102\_clean\_bin.7\_filtered\_kept\_contigs.fasta.gz

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

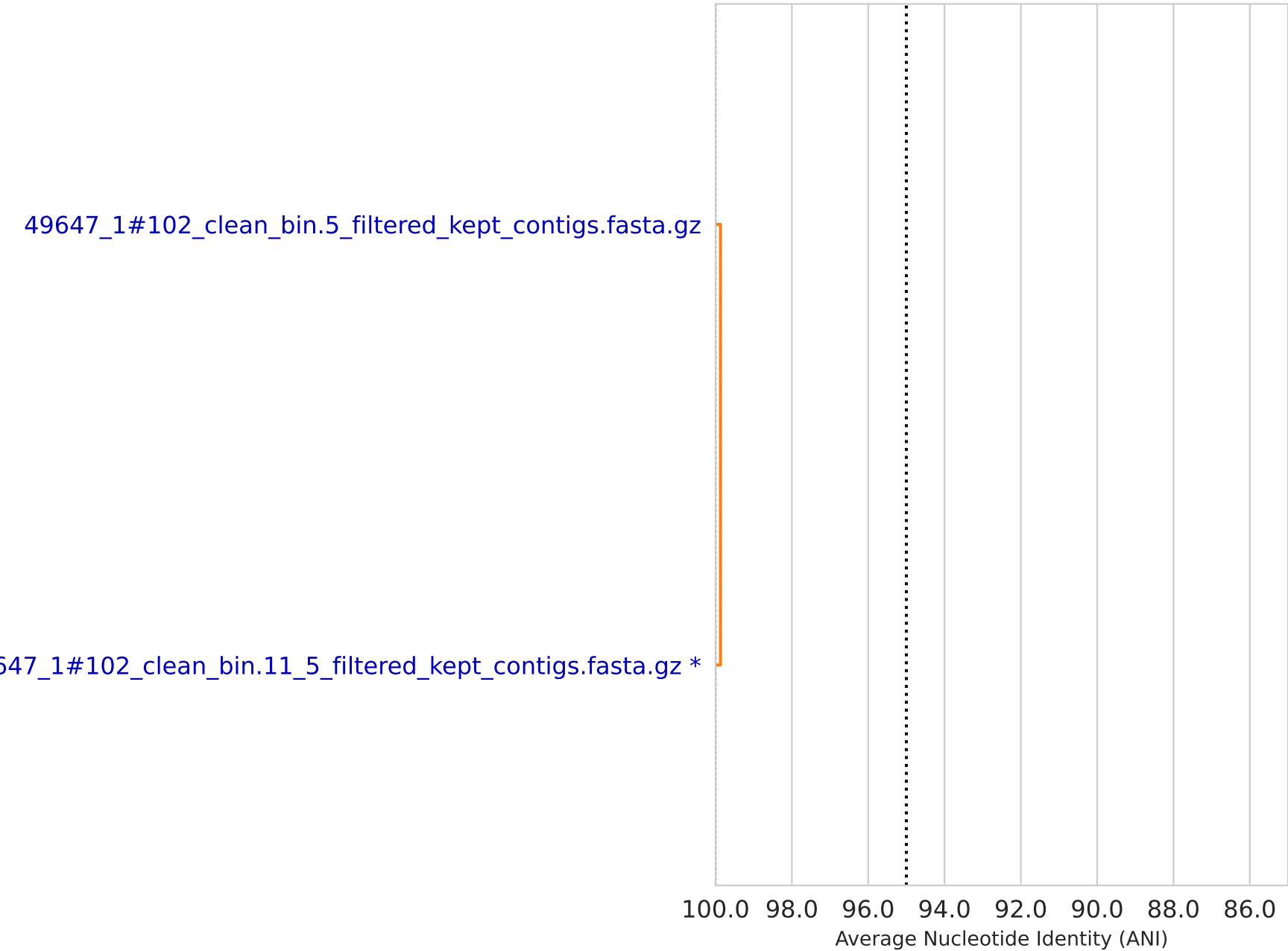


# Primary cluster 51

Comp method: fastANI

Clust method: average

Min cov: 0.3





# Primary cluster 58

Comp method: fastANI

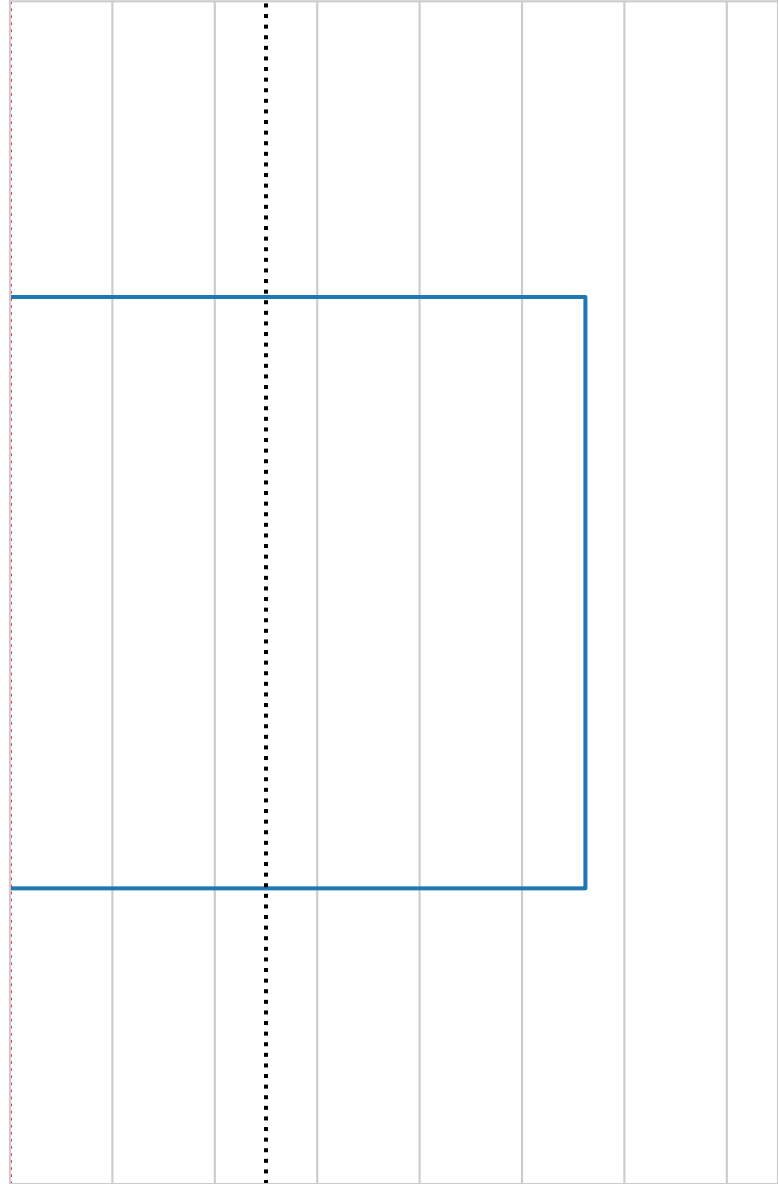
Clust method: average

Min cov: 0.3

647\_1#2\_clean\_bin.22.orig\_filtered\_kept\_contigs.fasta.gz \*

647\_1#106\_clean\_bin.36\_6\_filtered\_kept\_contigs.fasta.gz \*

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



# Primary cluster 60

Comp method: fastANI

Clust method: average

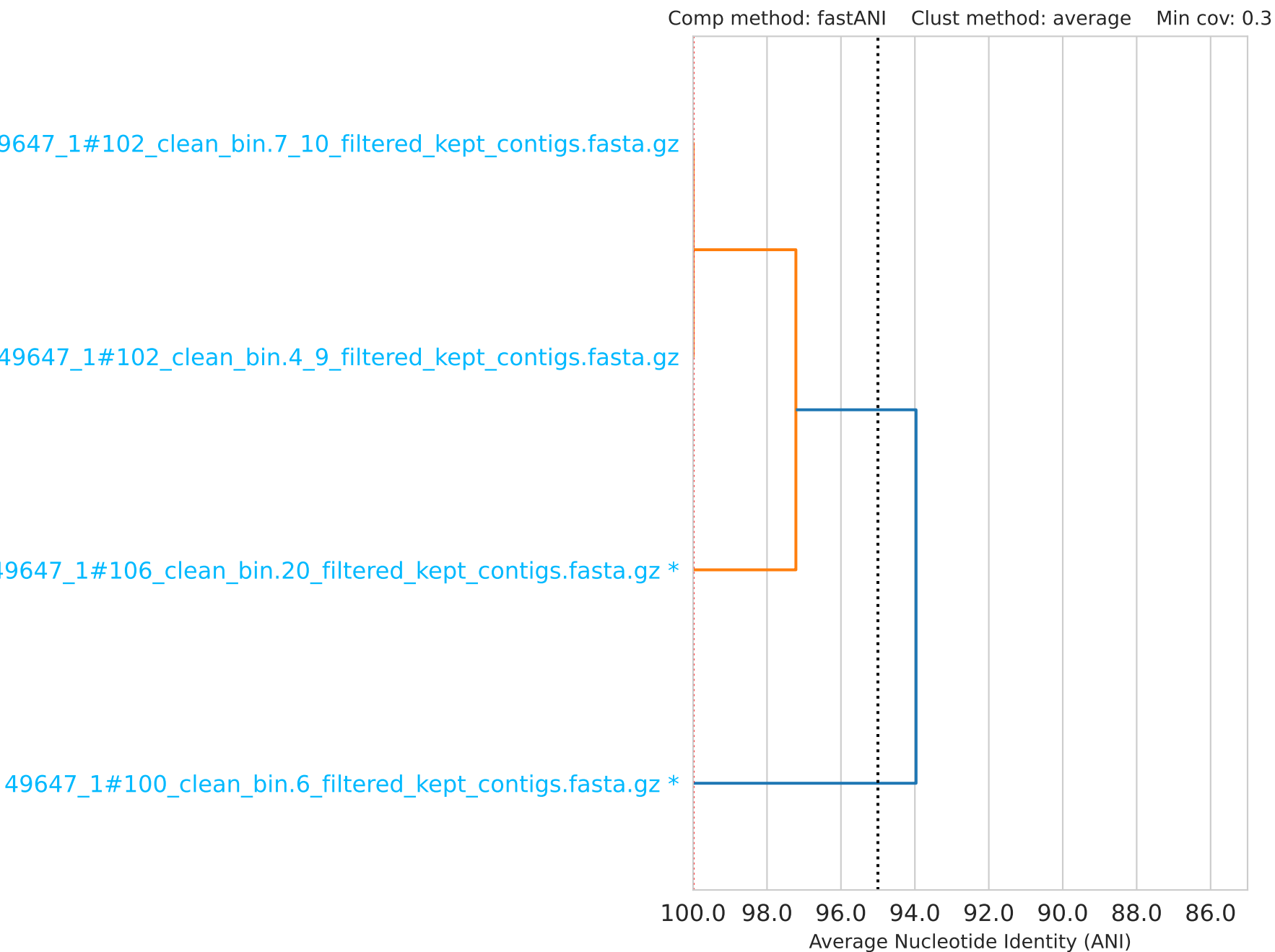
Min cov: 0.3

647\_1#106\_clean\_bin.32\_2\_filtered\_kept\_contigs.fasta.gz \*

647\_1#106\_clean\_bin.14\_12\_filtered\_kept\_contigs.fasta.gz

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

# Primary cluster 62



# Primary cluster 65

