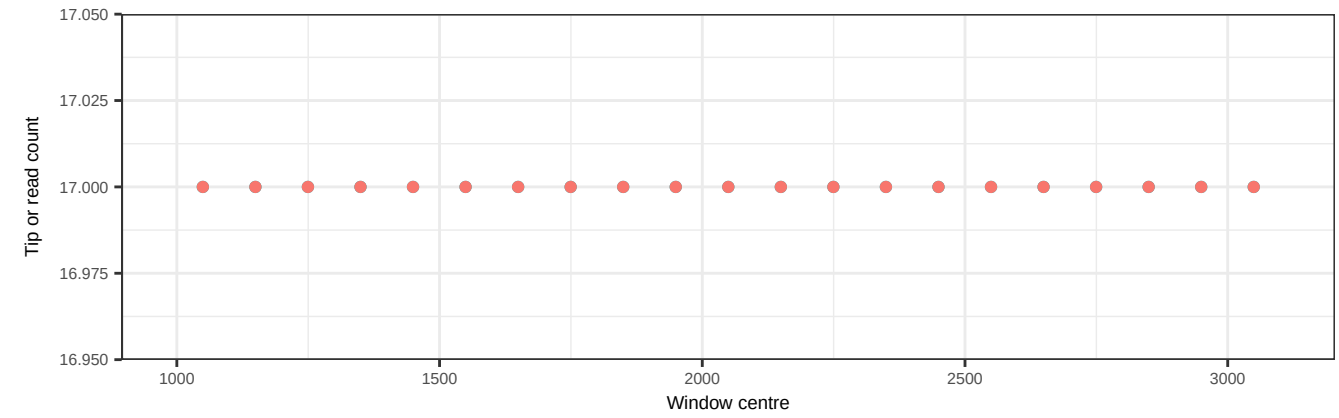
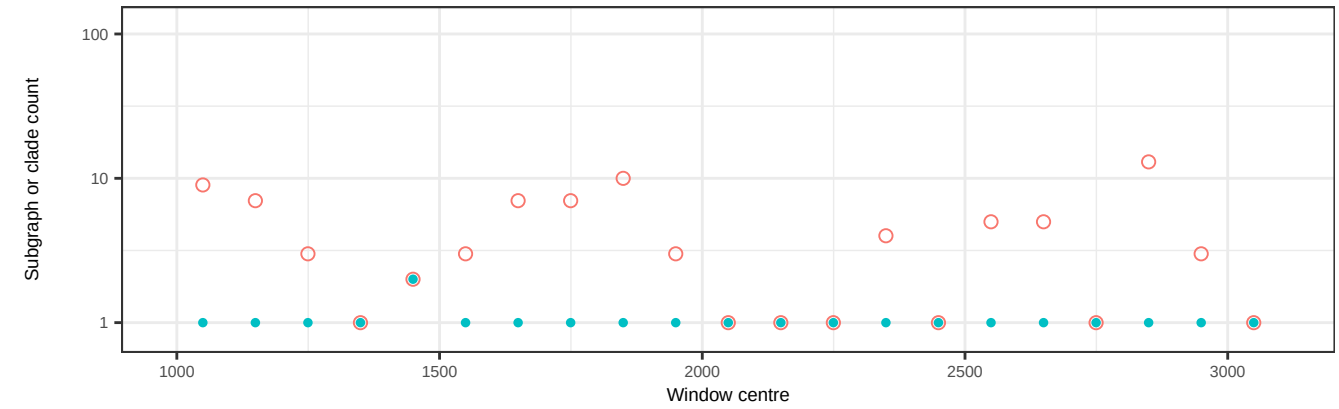
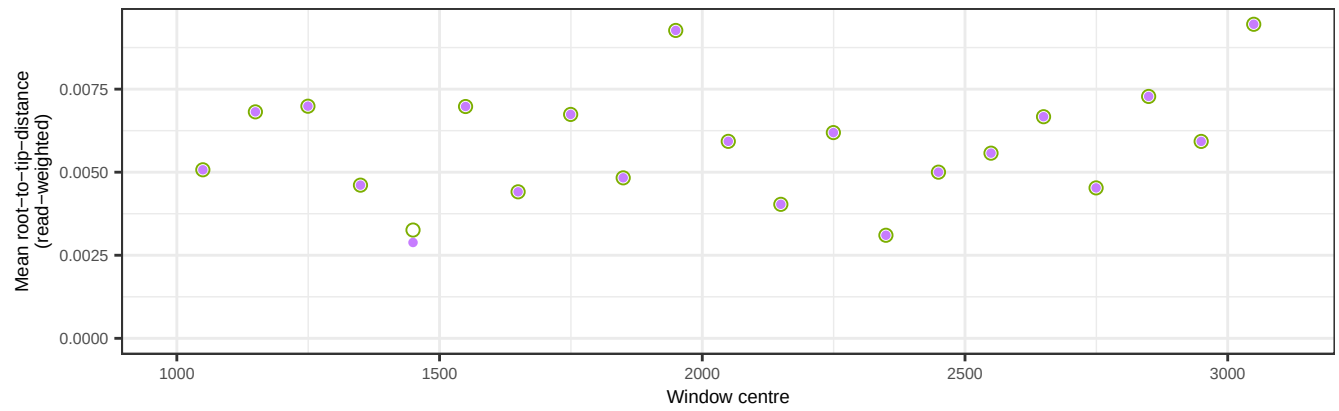
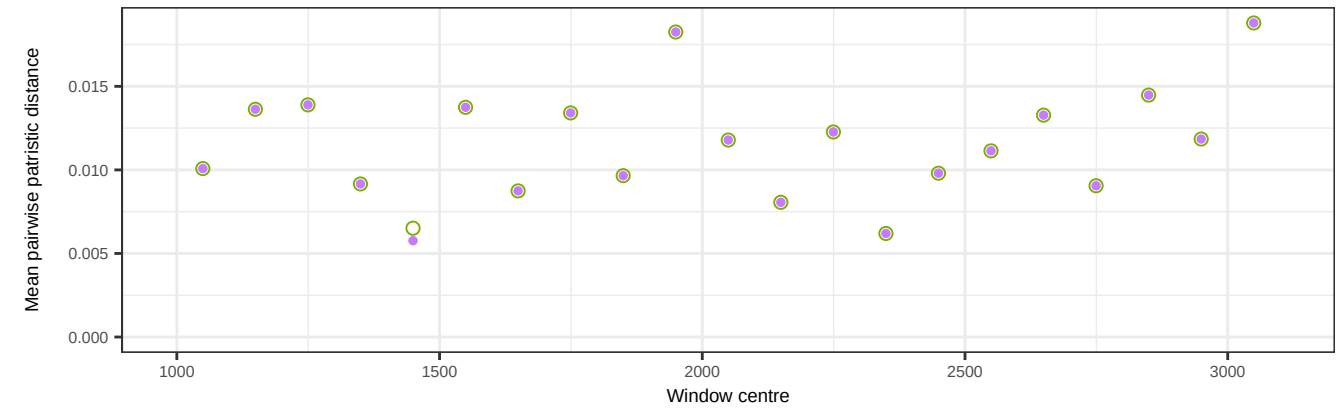
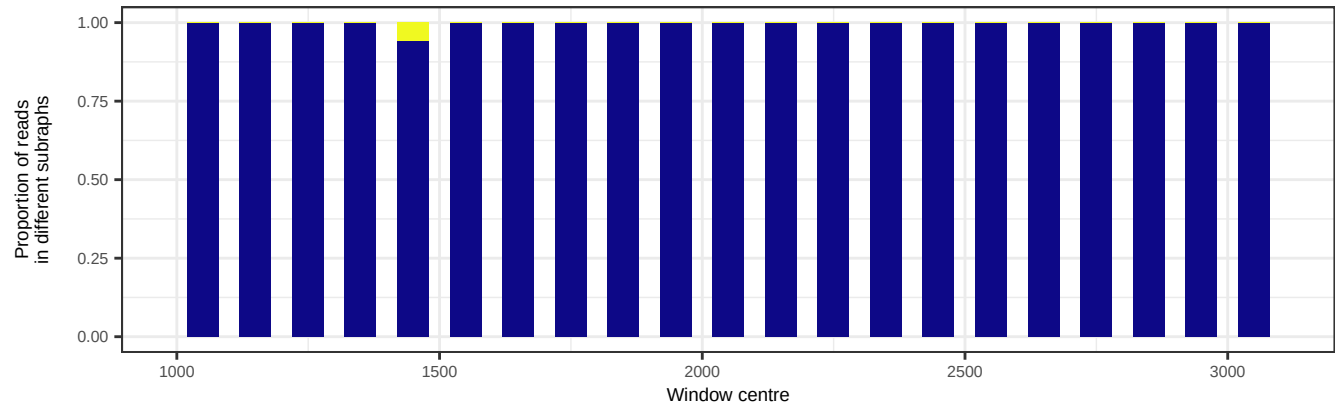
AA20


Tip or read count
17.050
17.025
17.000
16.975
16.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

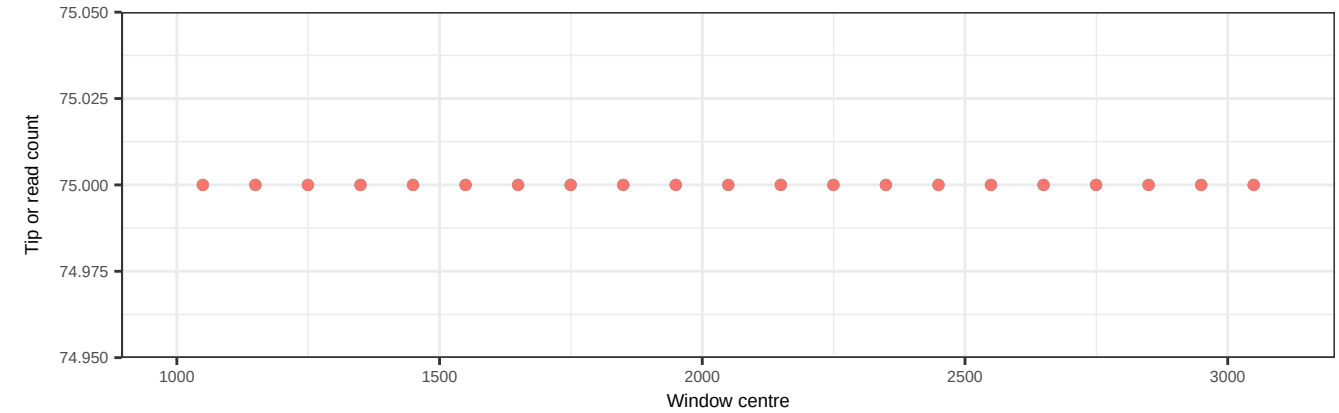

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

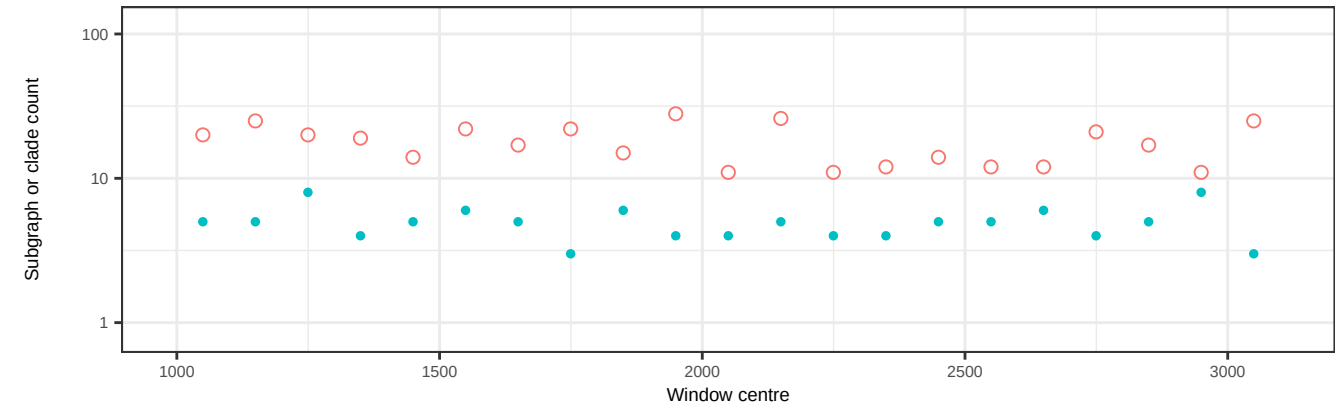

Mean root−to−tip−distance
(read−weighted)
0.0075
0.0050
0.0025
0.0000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

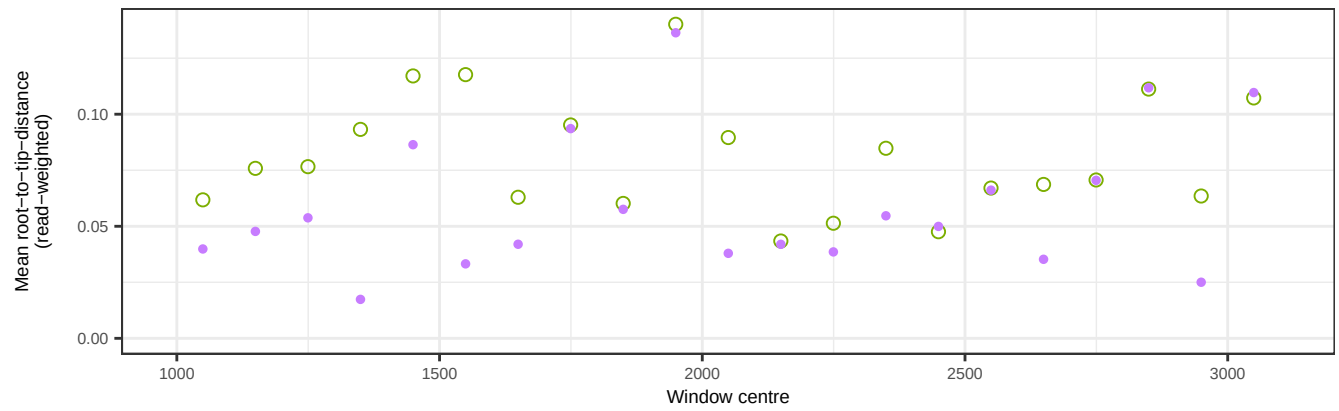

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

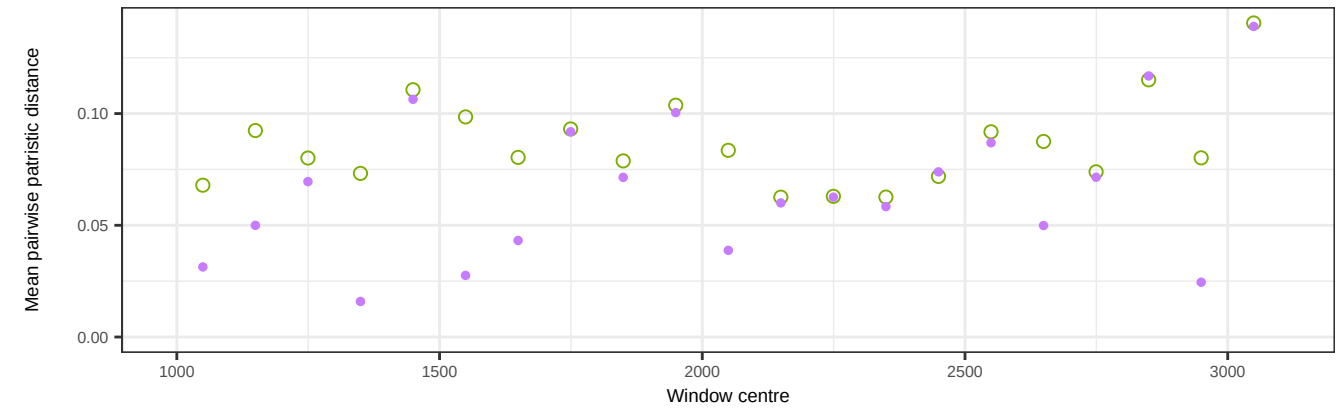

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
2
1

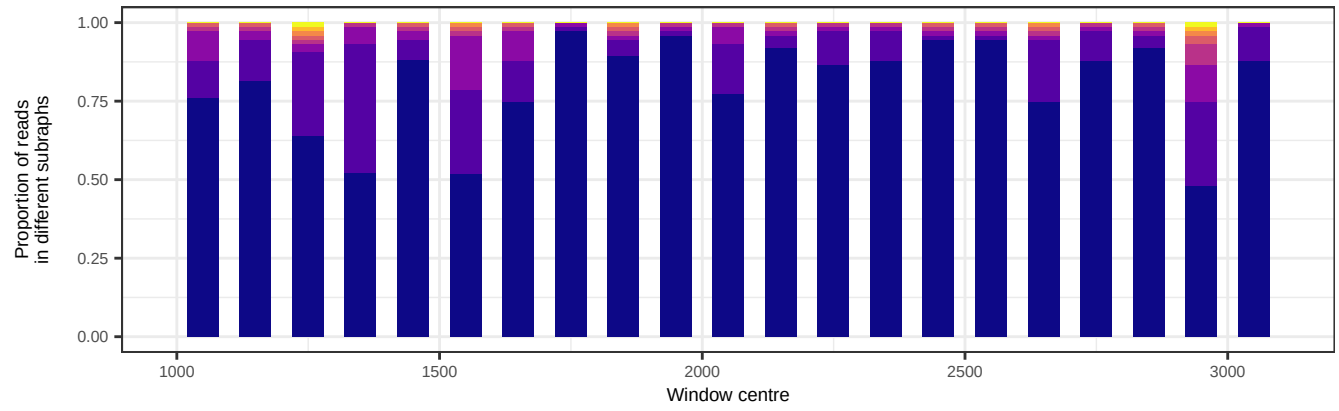
AA45


Tip or read count
75.050
75.025
75.000
74.975
74.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

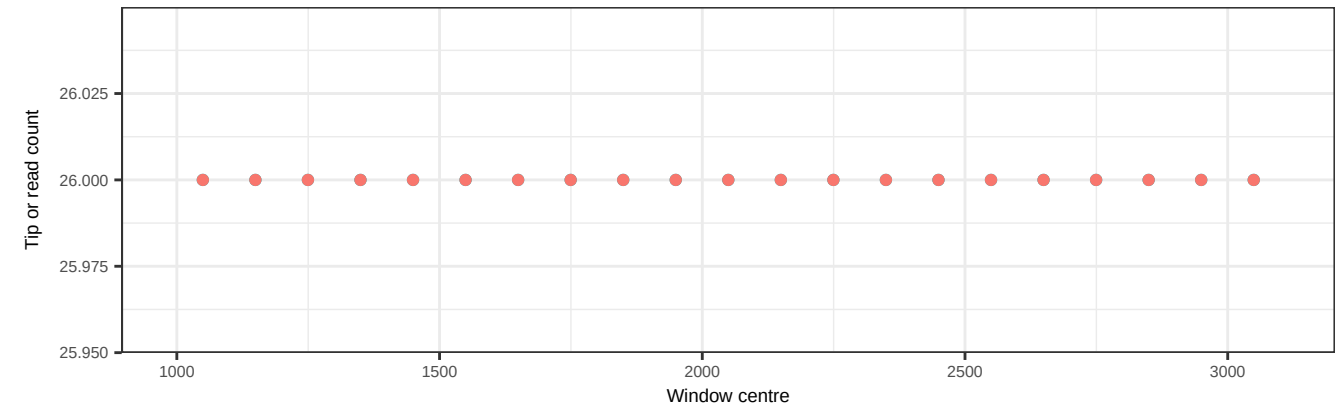

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

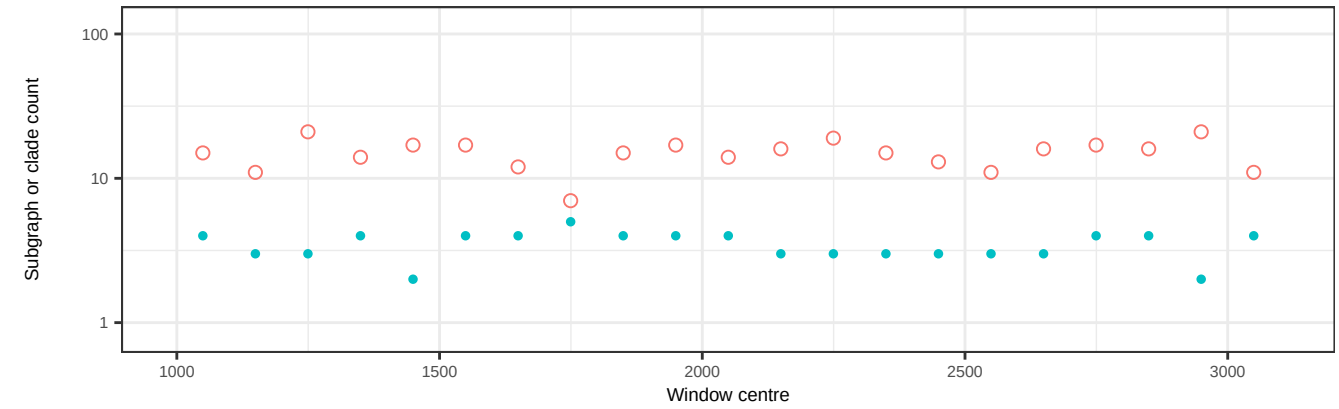

Mean root−to−tip−distance
(read−weighted)
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

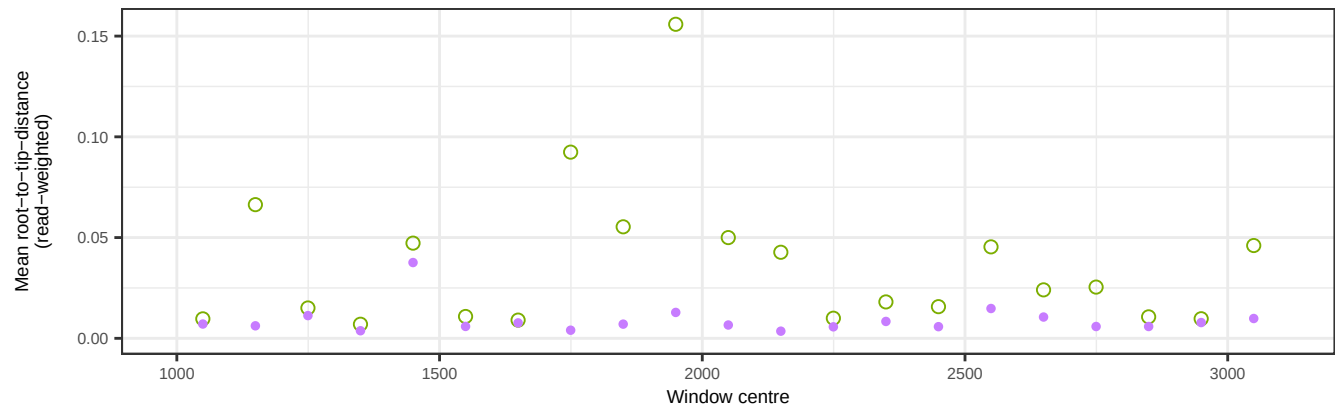

Mean pairwise patristic distance
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

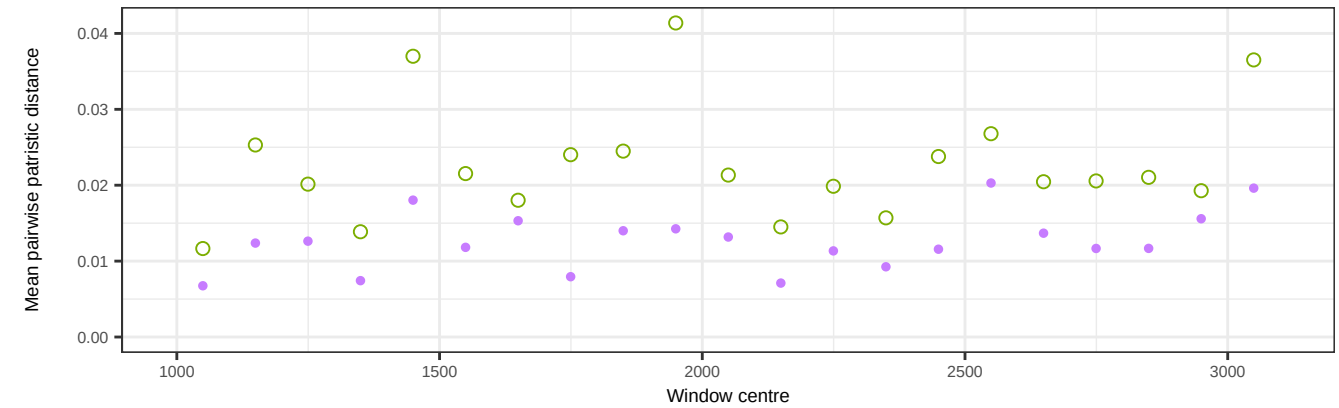

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
8
7
6
5
4
3
2
1

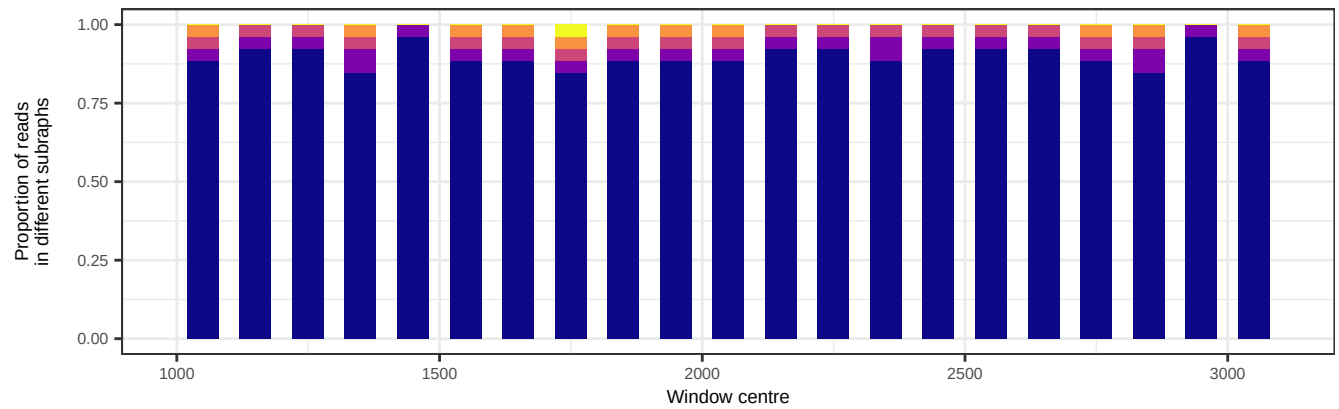
AA8


Tip or read count
26.025
26.000
25.975
25.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

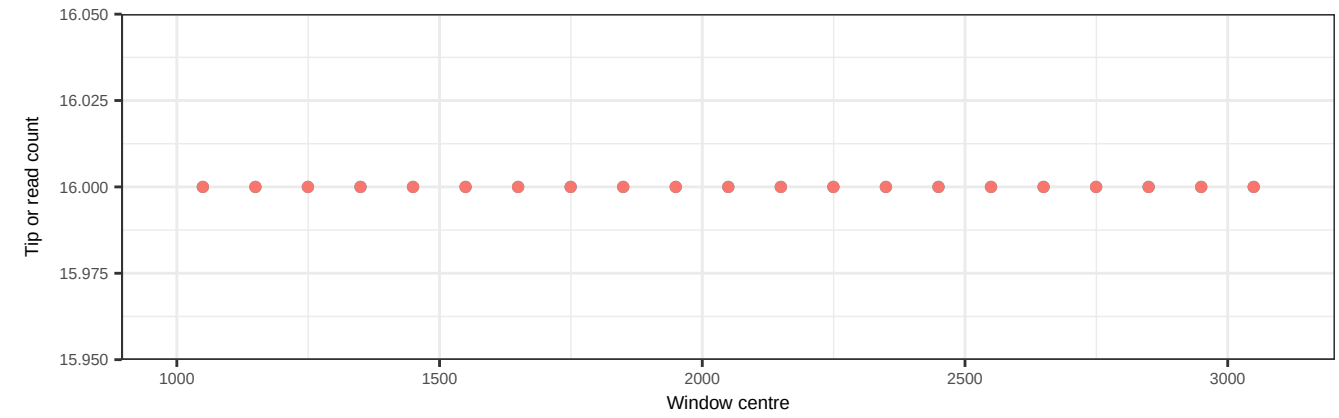

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

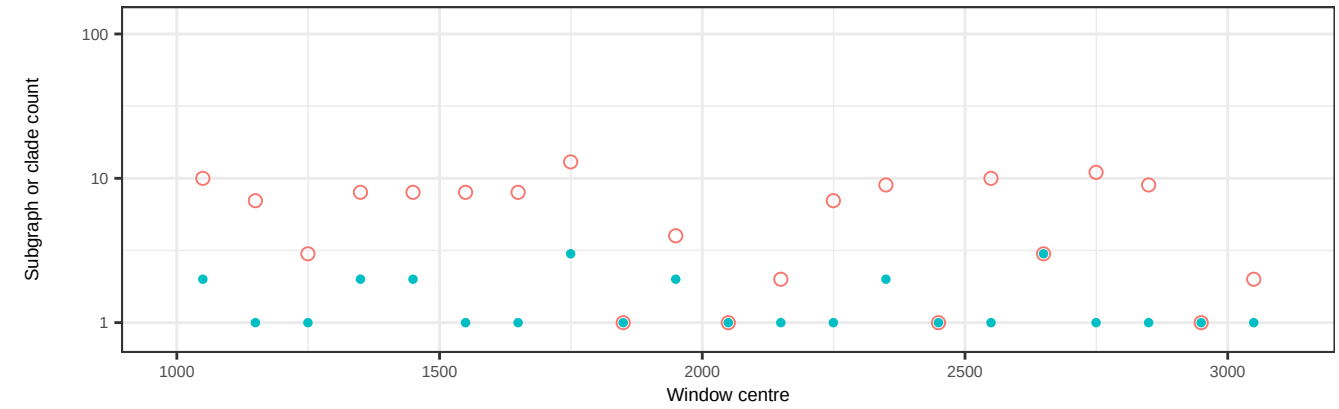

Mean root−to−tip−distance
(read−weighted)
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

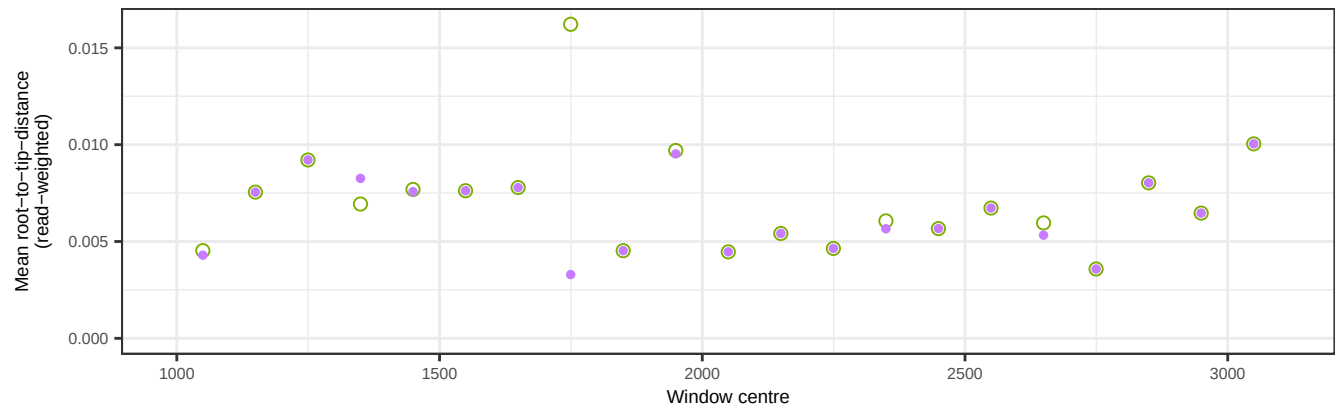

Mean pairwise patristic distance
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

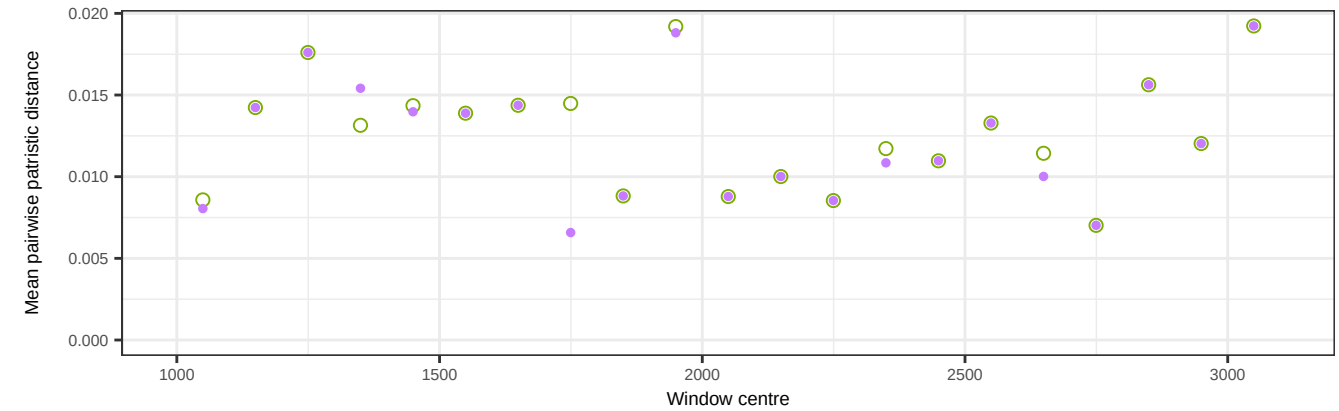

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

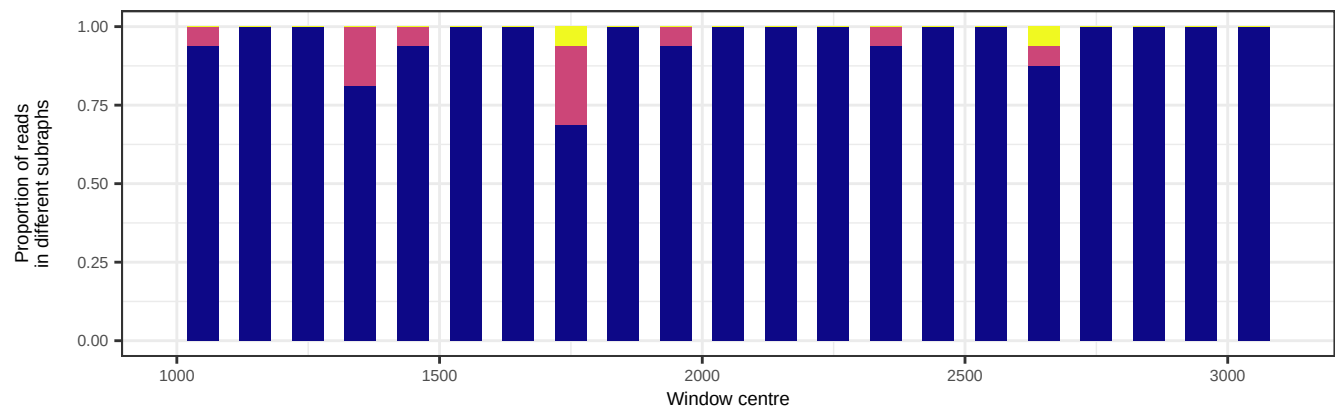
AB117


Tip or read count
16.050
16.025
16.000
15.975
15.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

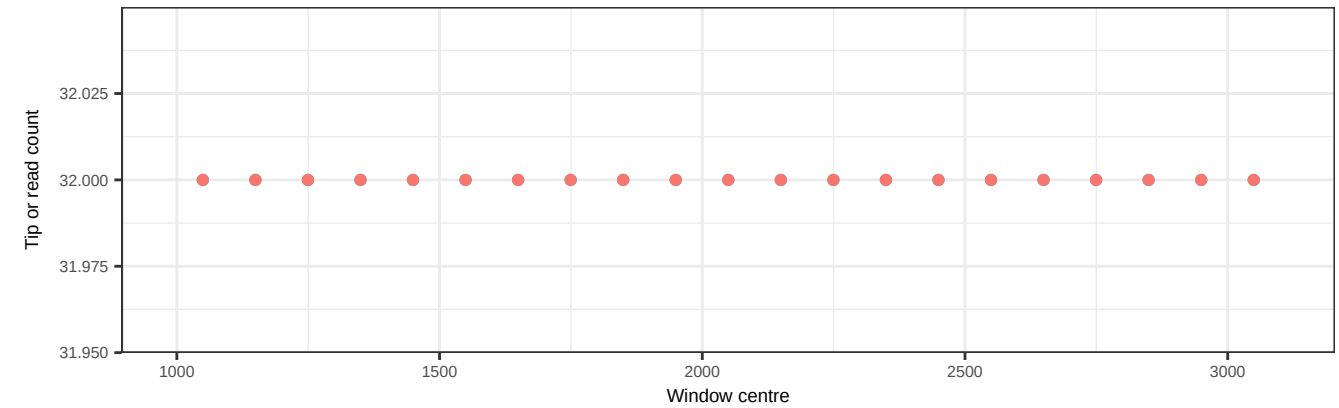

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

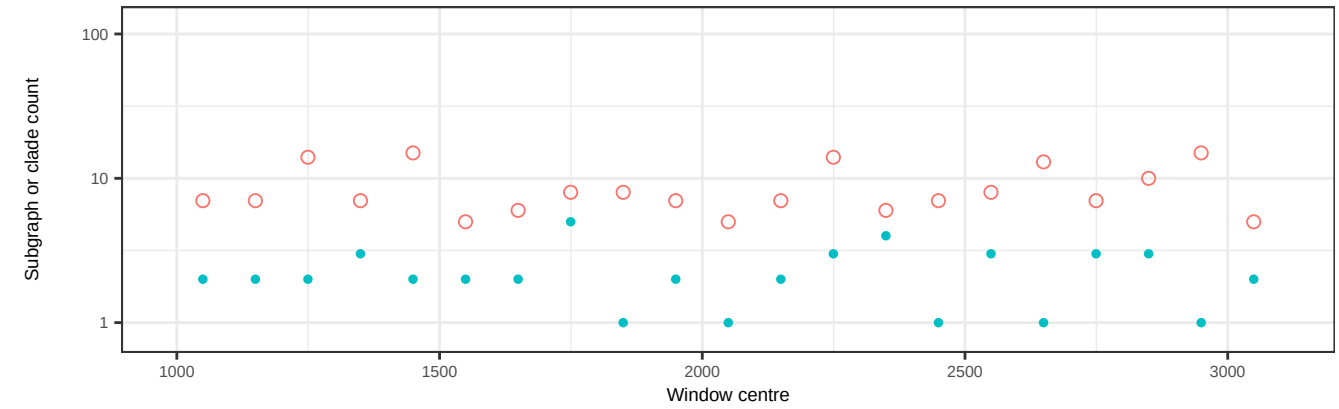

Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

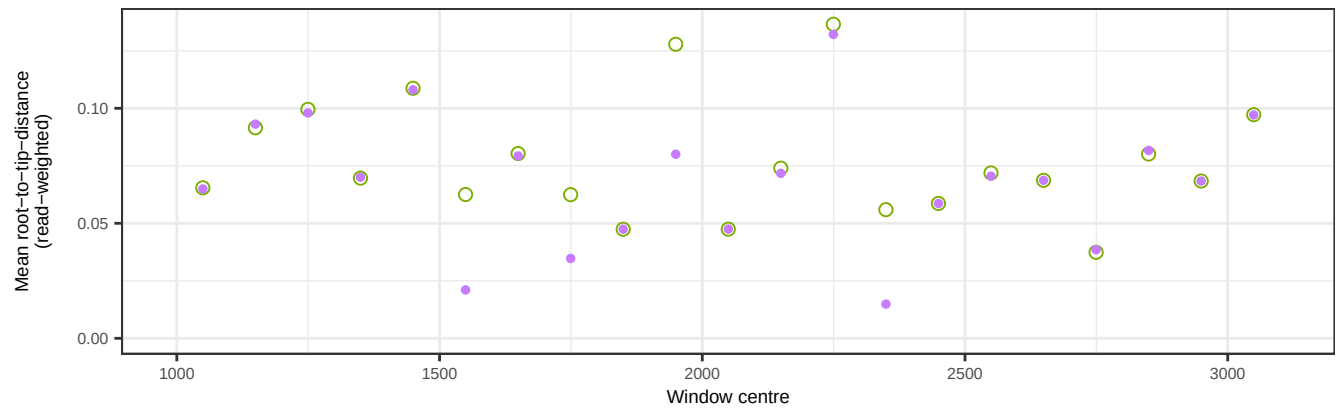

Mean pairwise patristic distance
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

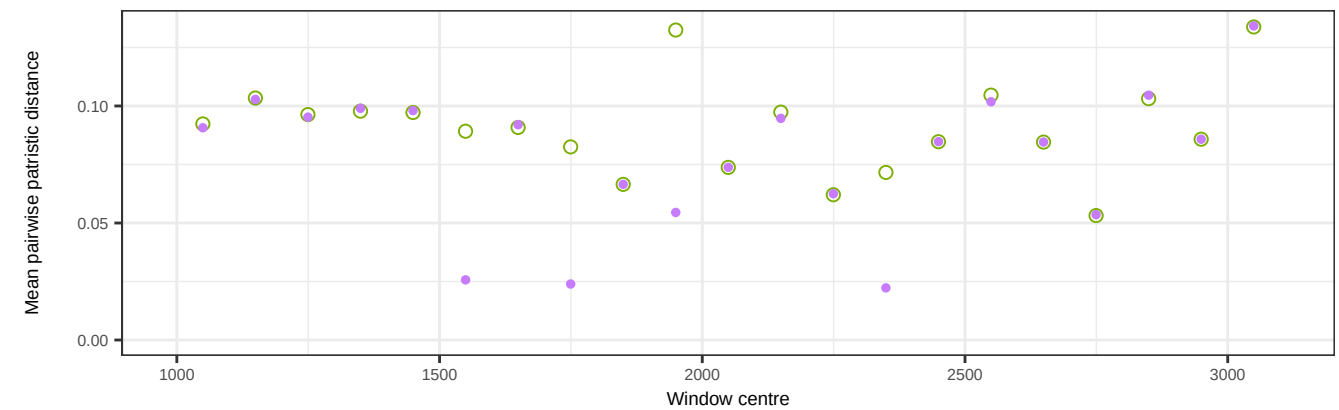

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
3
2
1

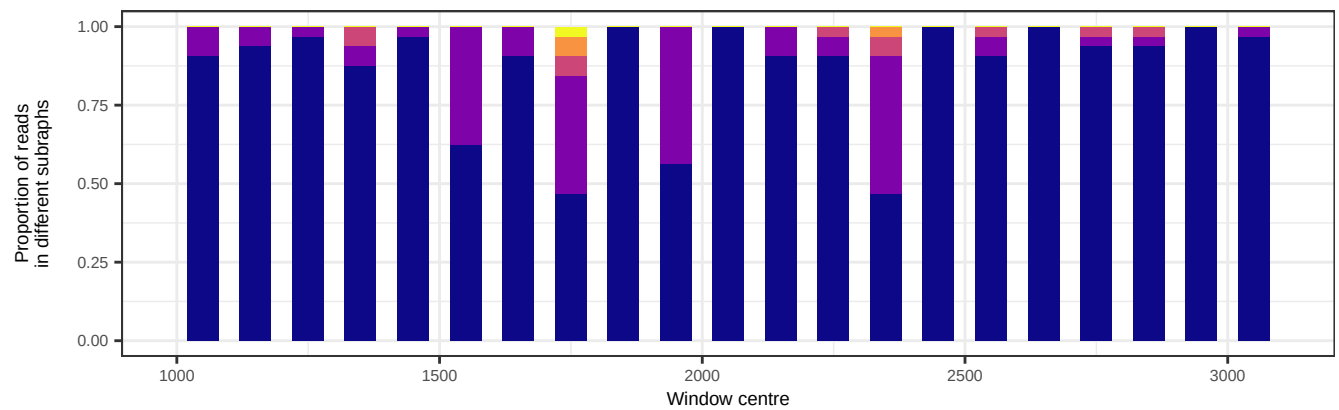
AB120


Tip or read count
32.025
32.000
31.975
31.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

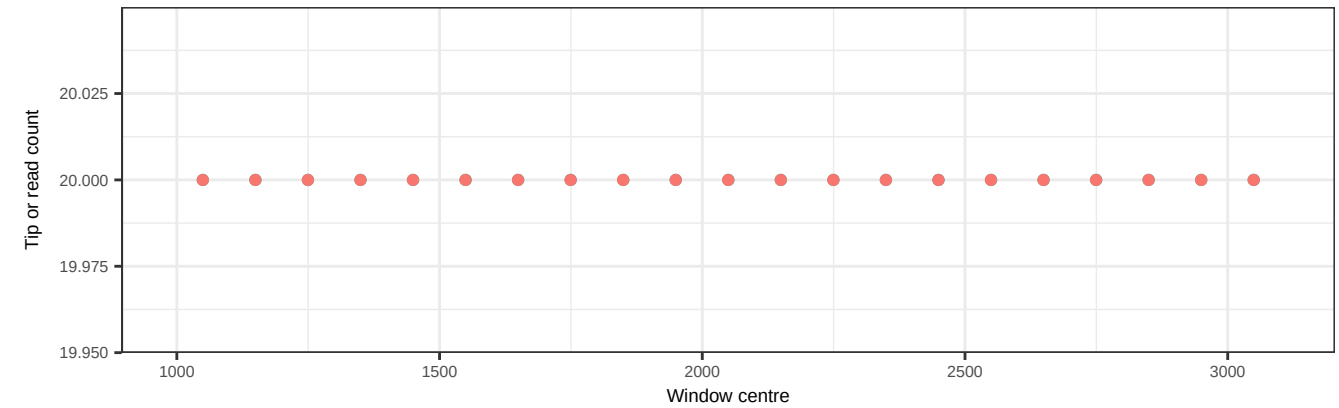

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

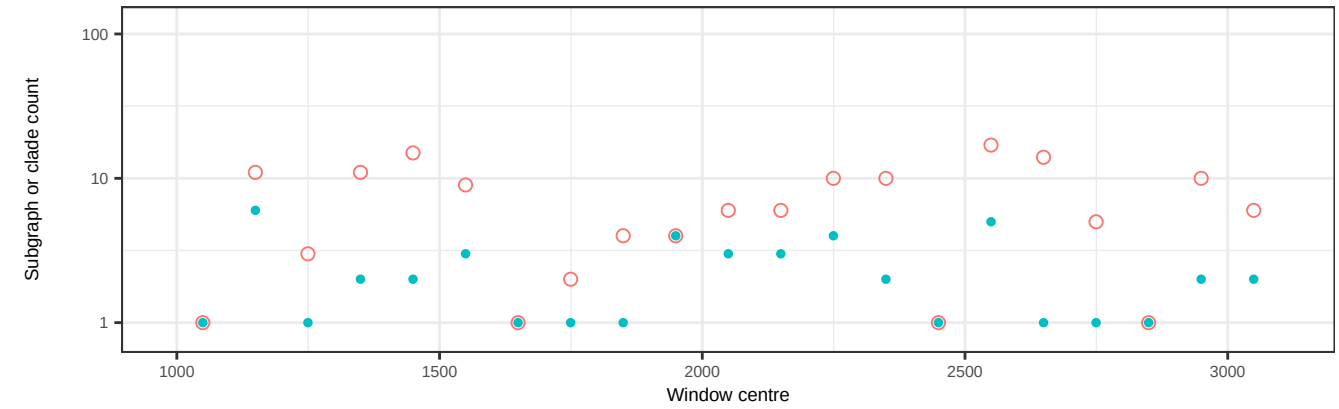

Mean root−to−tip−distance
(read−weighted)
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

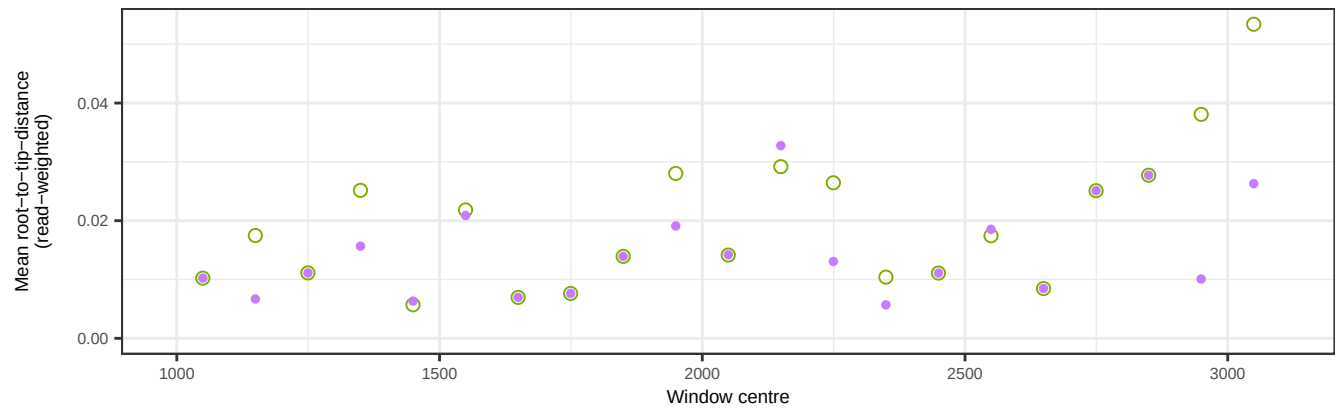

Mean pairwise patristic distance
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

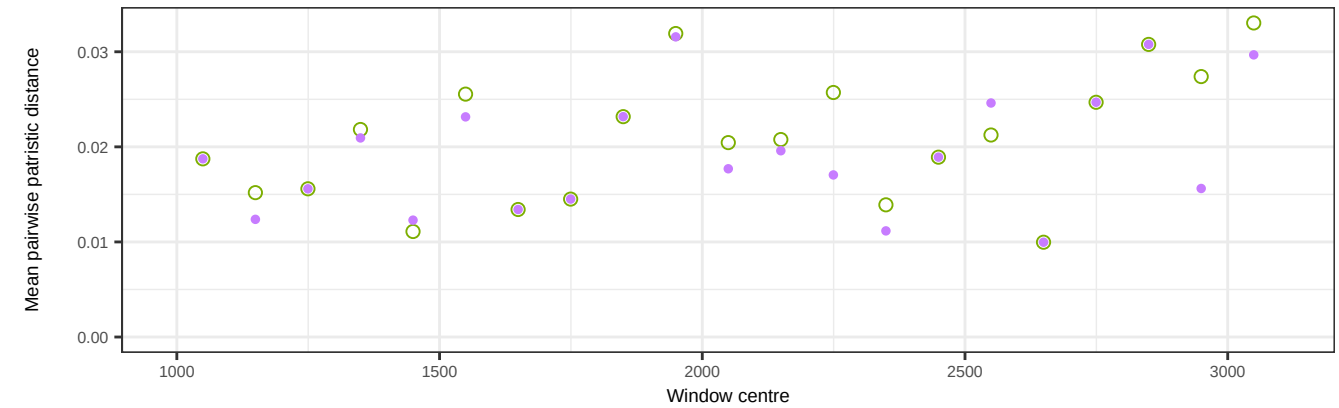

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

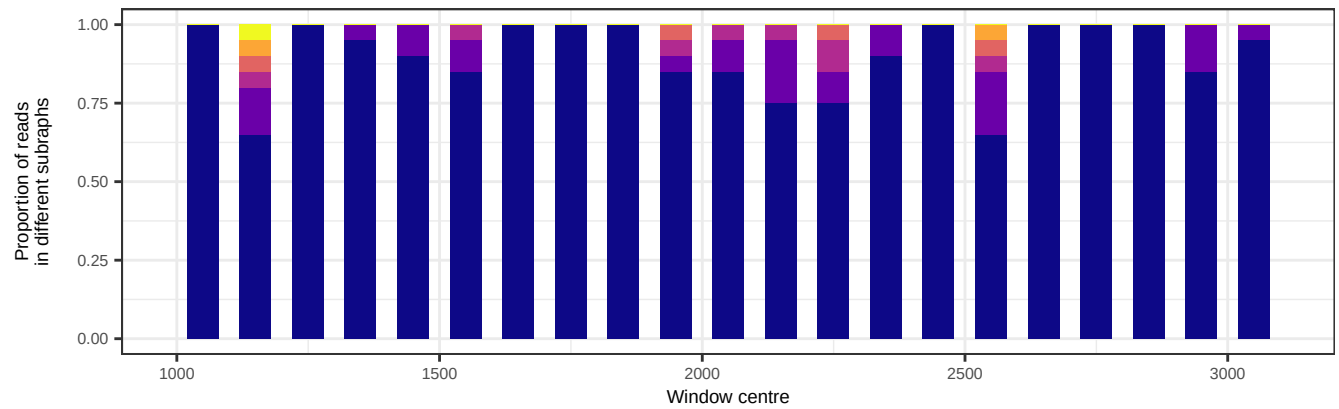
AC121


Tip or read count
20.025
20.000
19.975
19.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

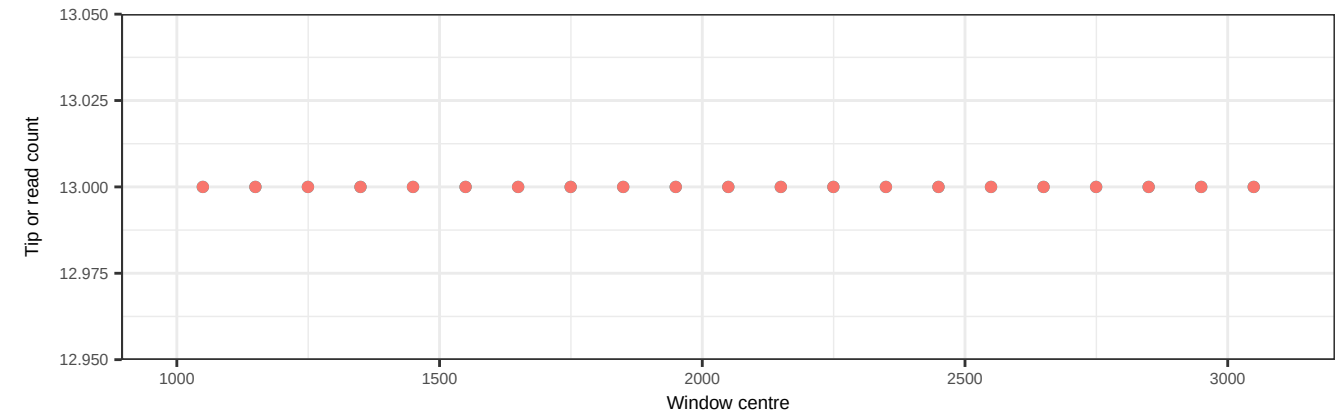

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

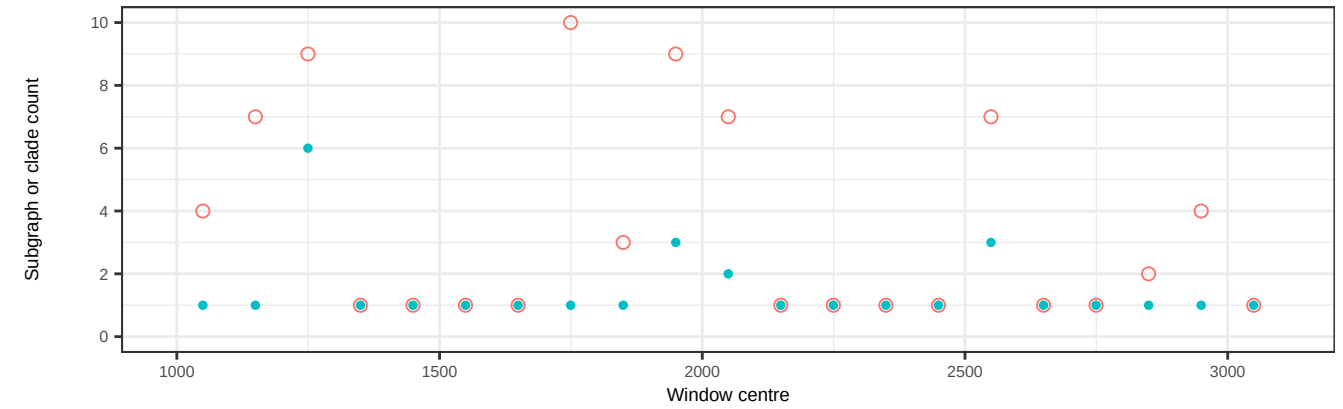

Mean root−to−tip−distance
(read−weighted)
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

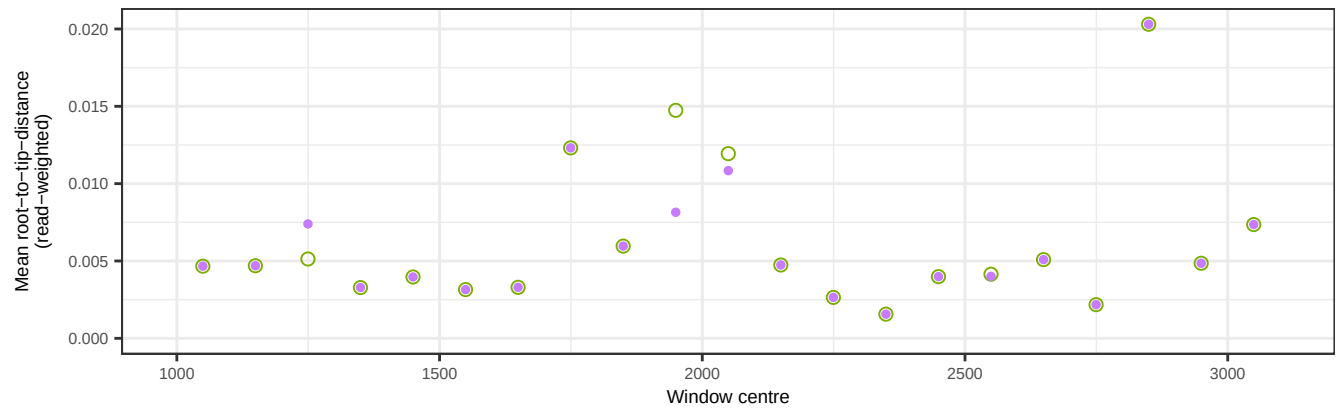

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

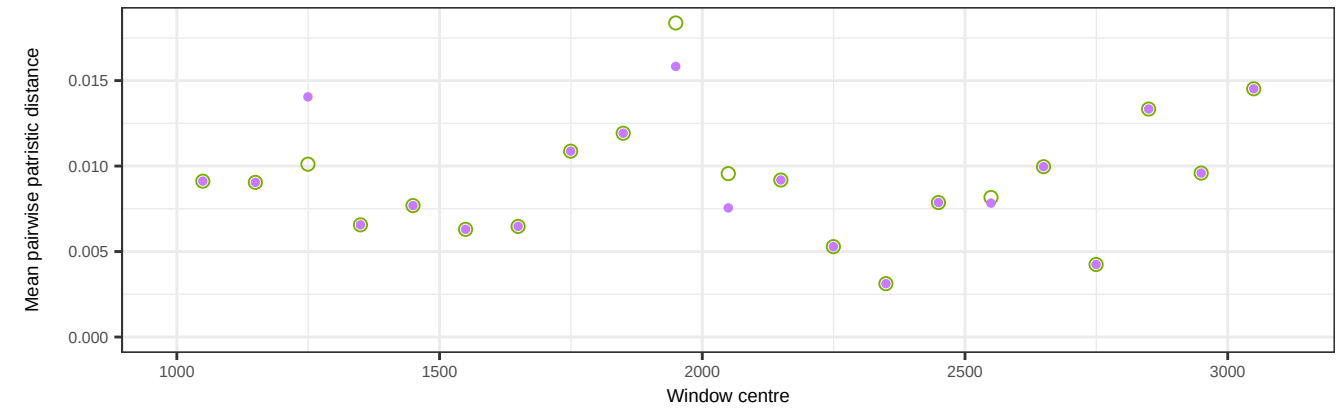

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

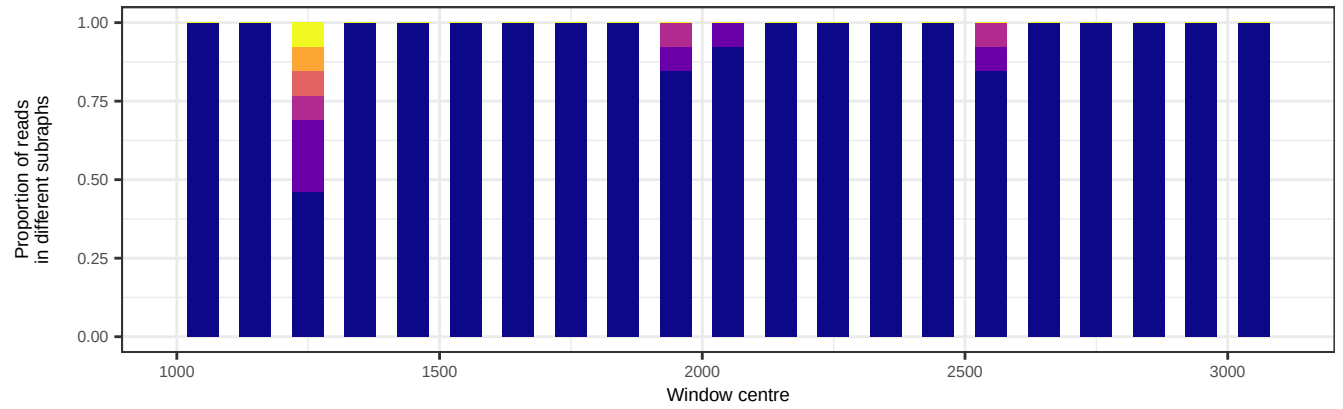
AC122


Tip or read count
13.050
13.025
13.000
12.975
12.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

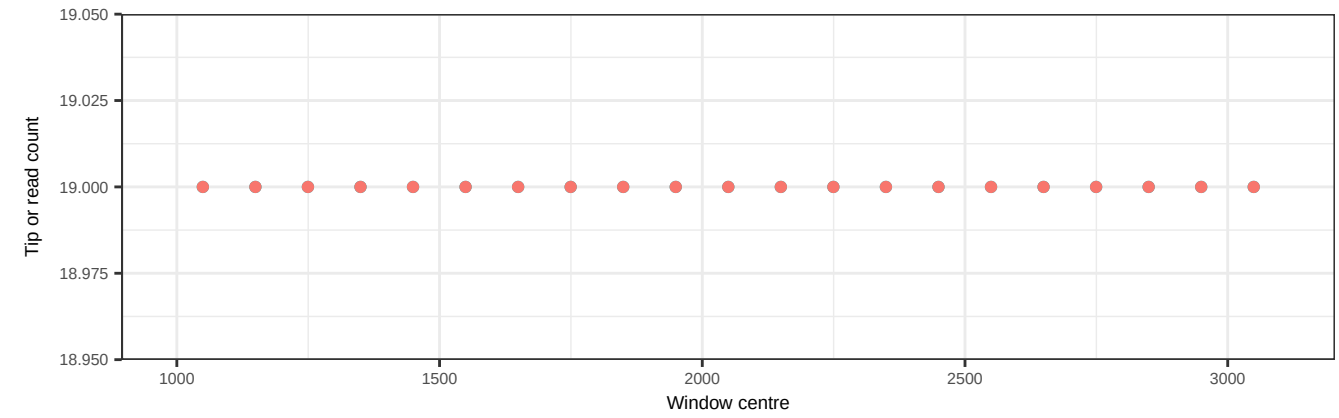

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

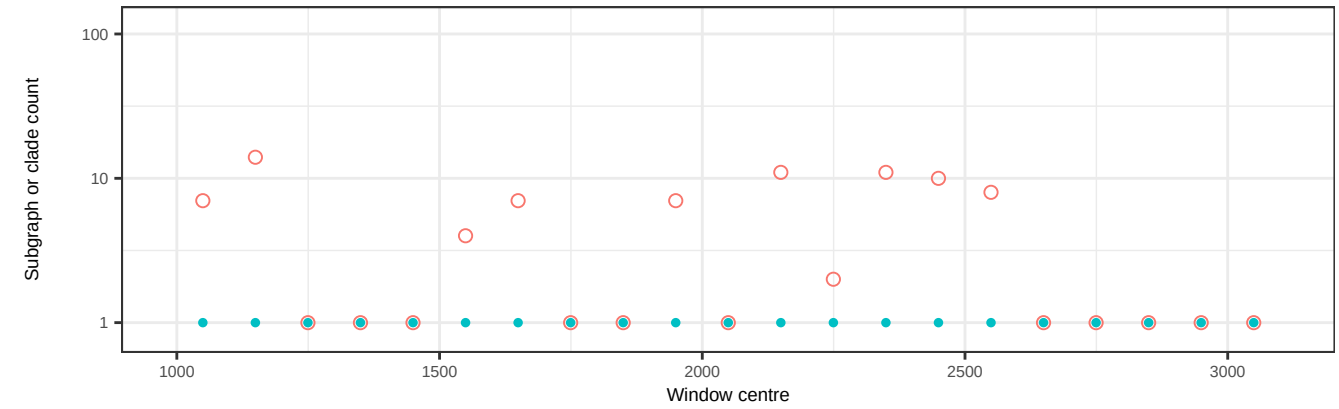

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

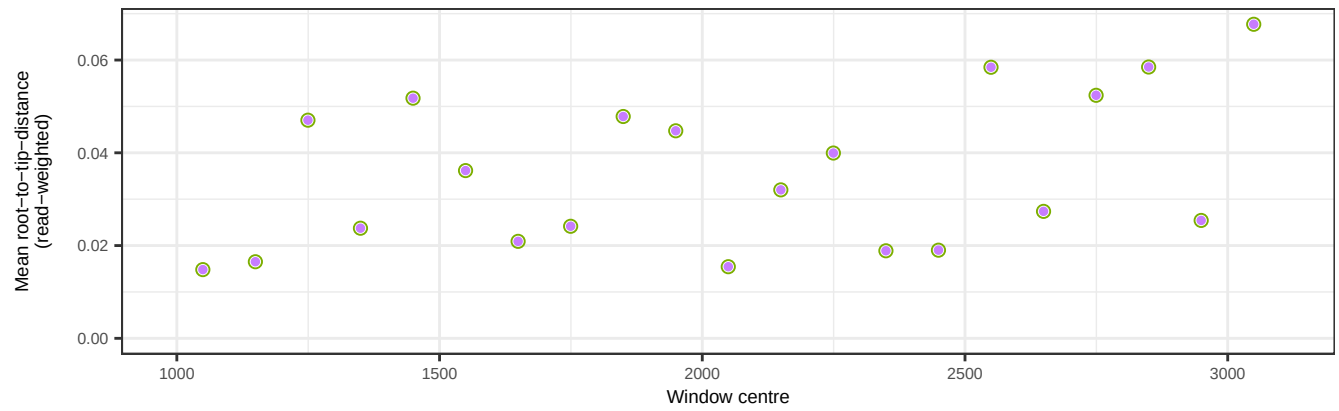

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

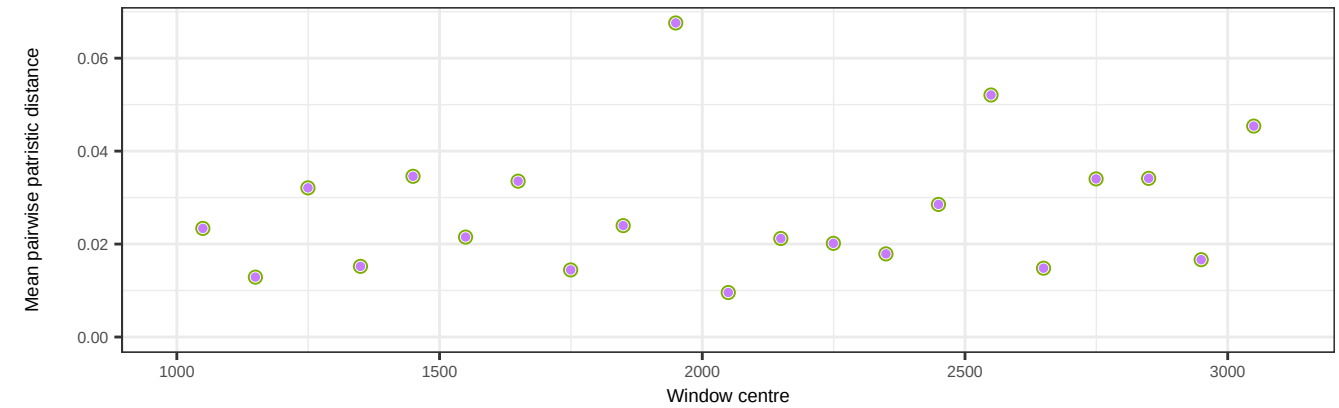

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

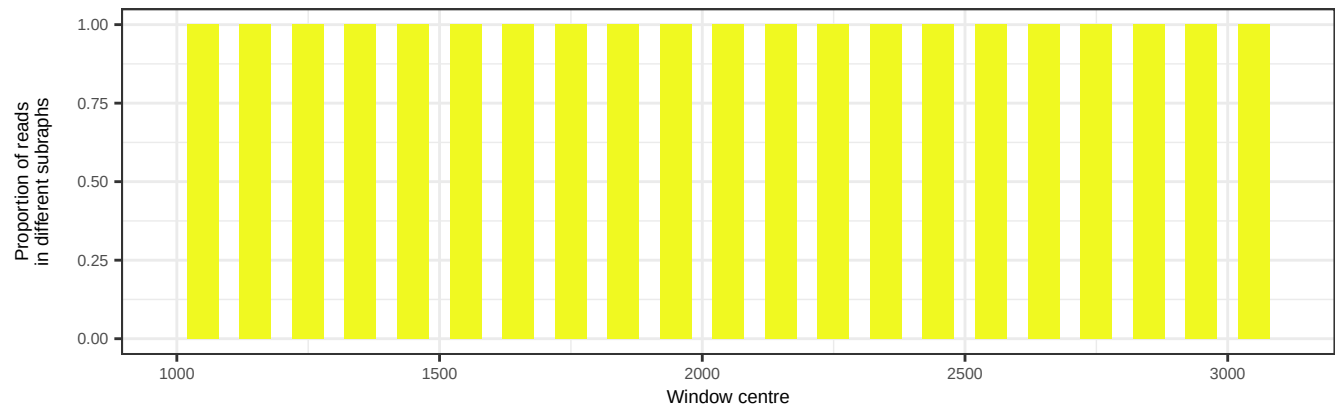
AC123


Tip or read count
19.050
19.025
19.000
18.975
18.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

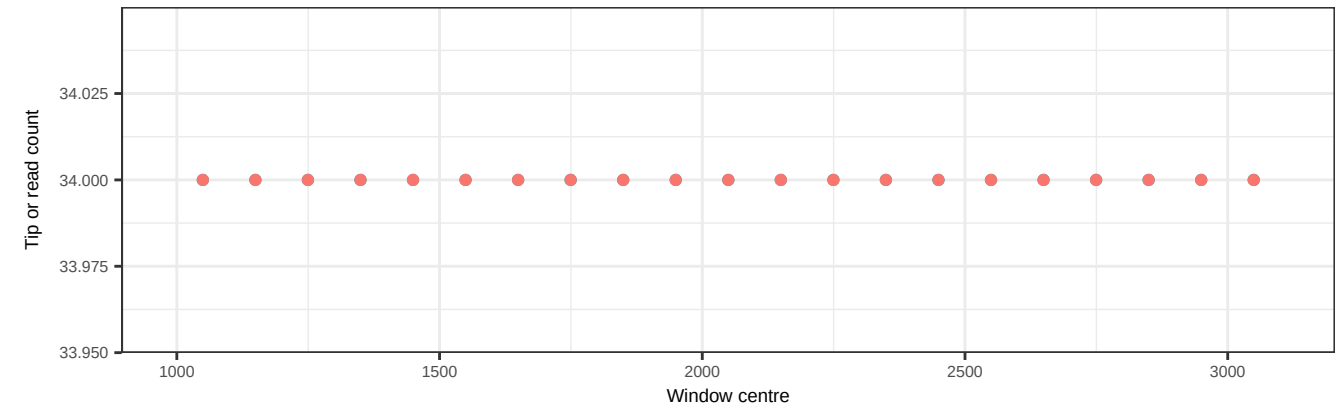

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

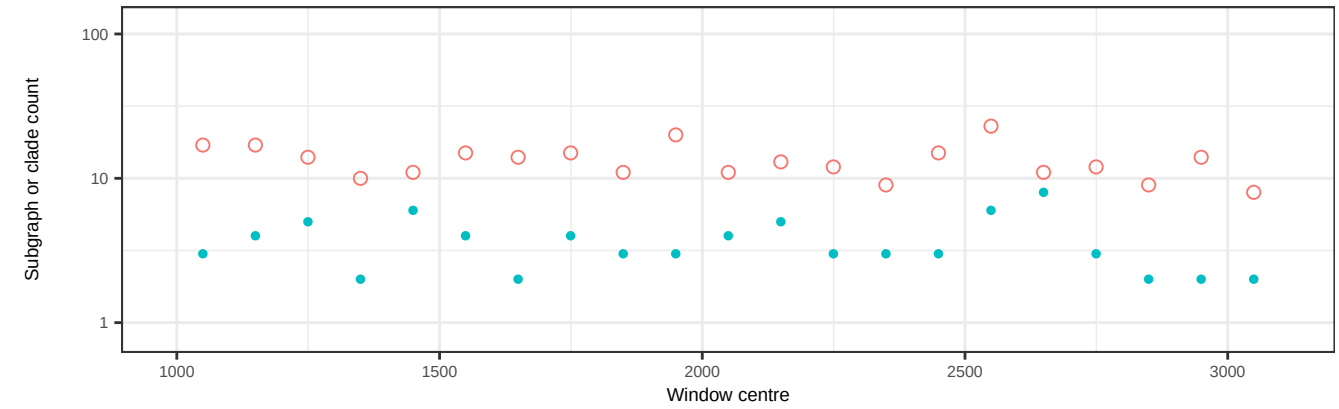

Mean root−to−tip−distance
(read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

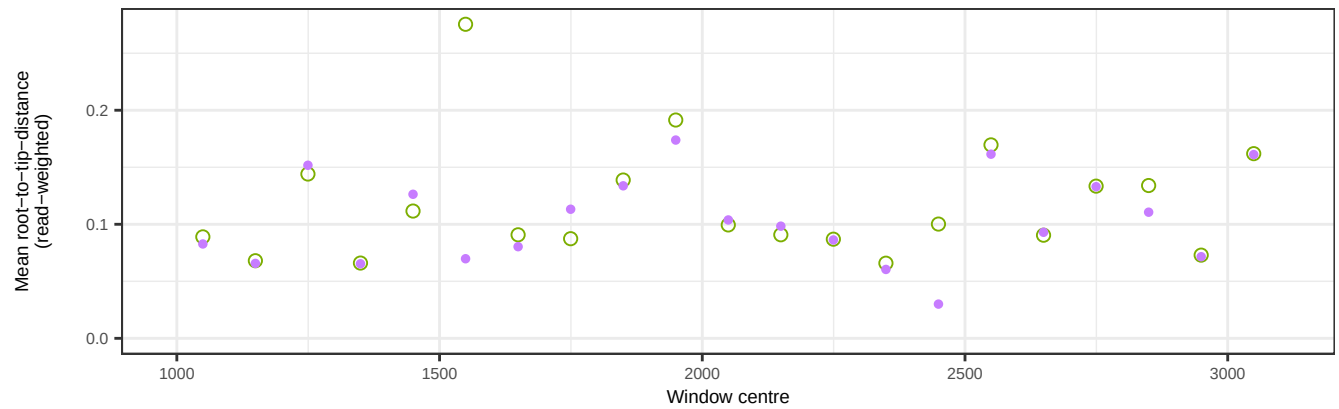

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

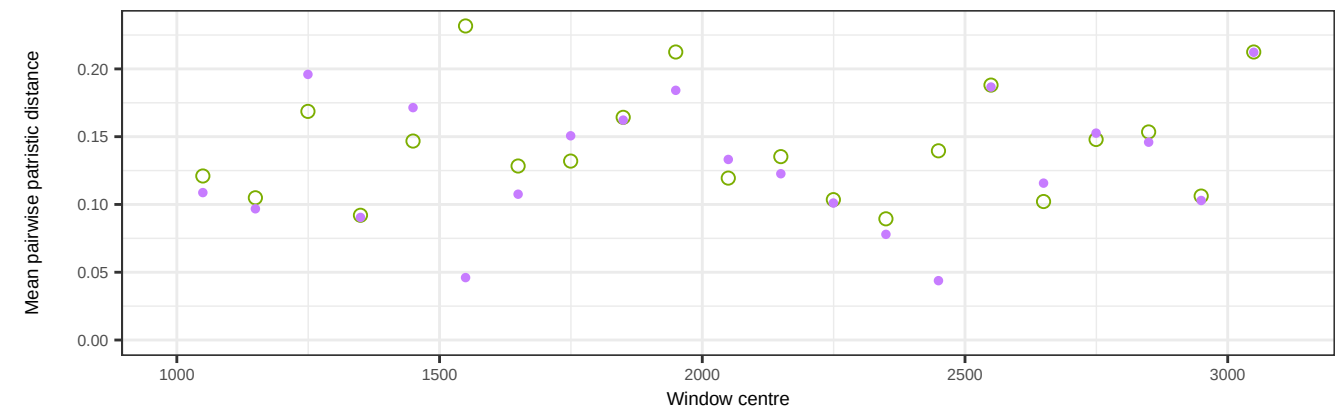

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
1

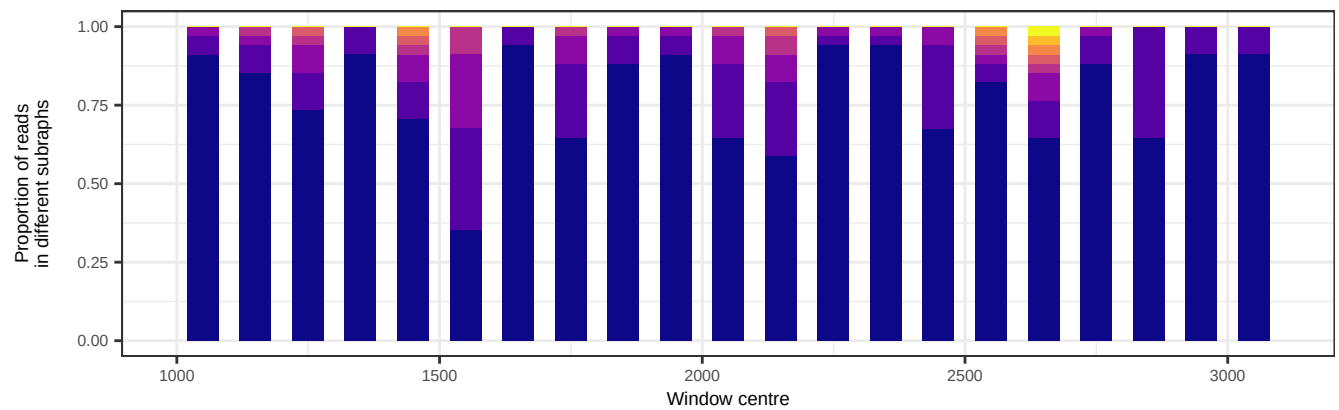
AC124


Tip or read count
34.025
34.000
33.975
33.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

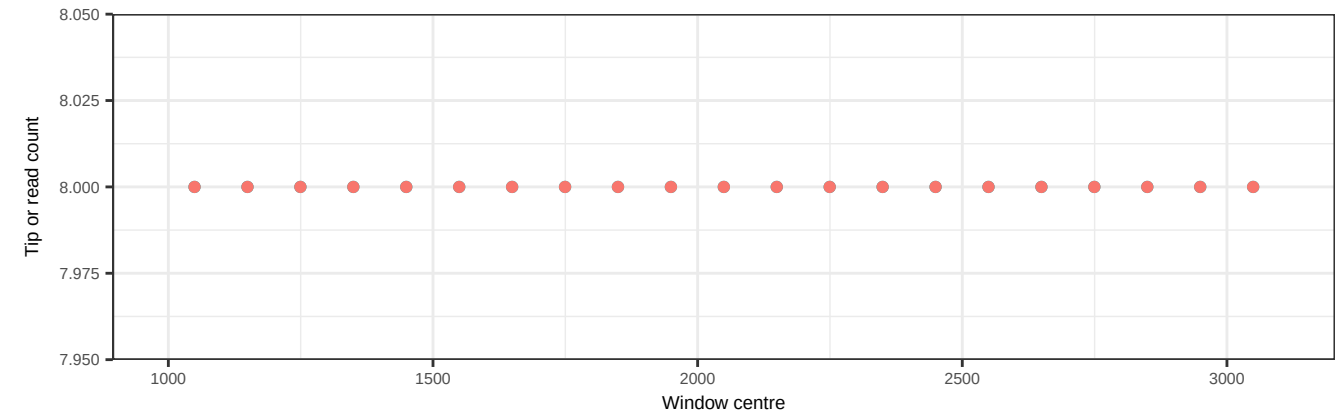

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

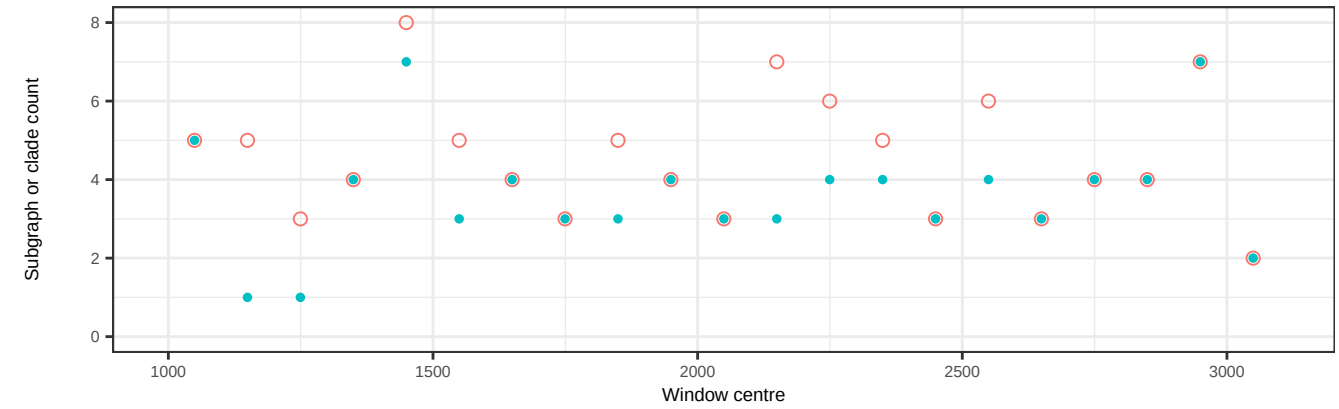

Mean root−to−tip−distance
(read−weighted)
0.2
0.1
0.0
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

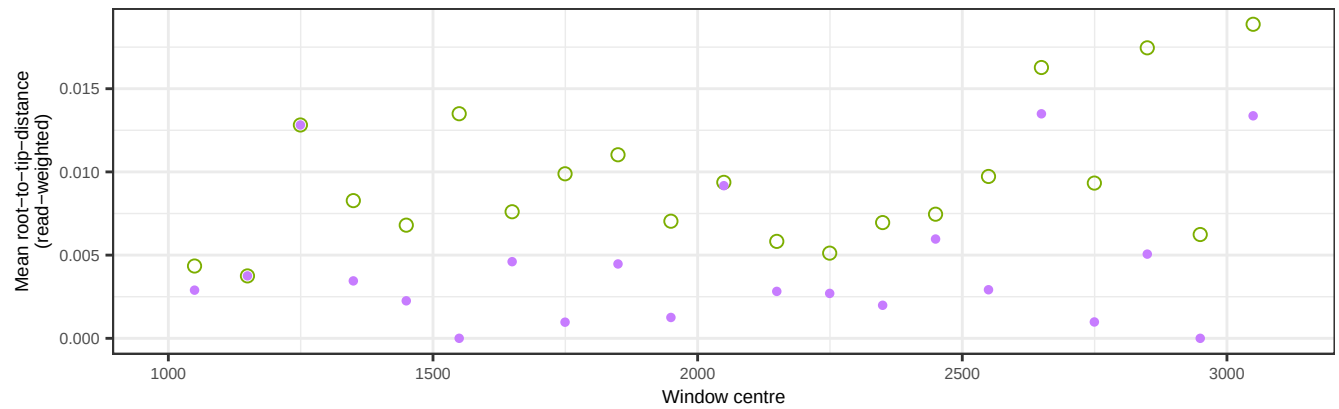

Mean pairwise patristic distance
0.20
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

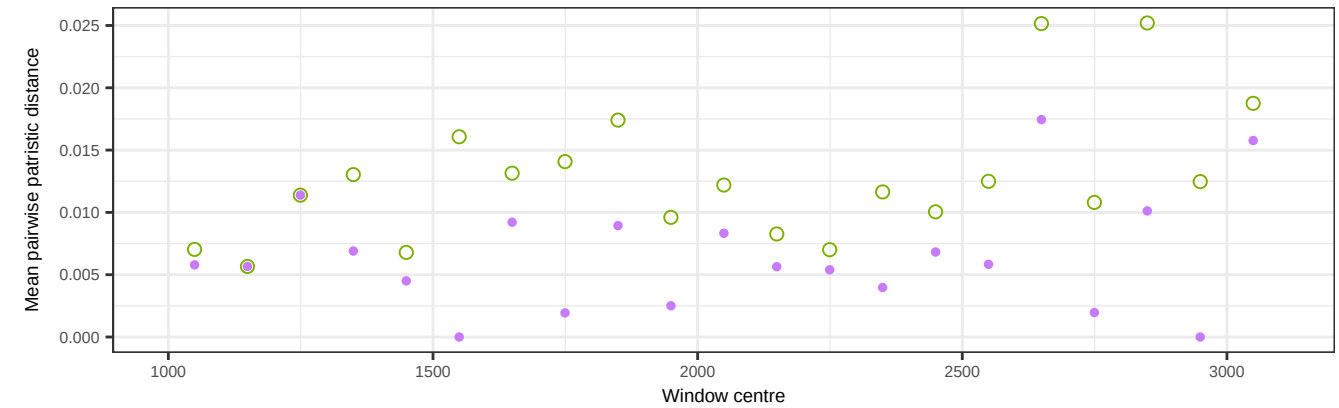

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
8
7
6
5
4
3
2
1

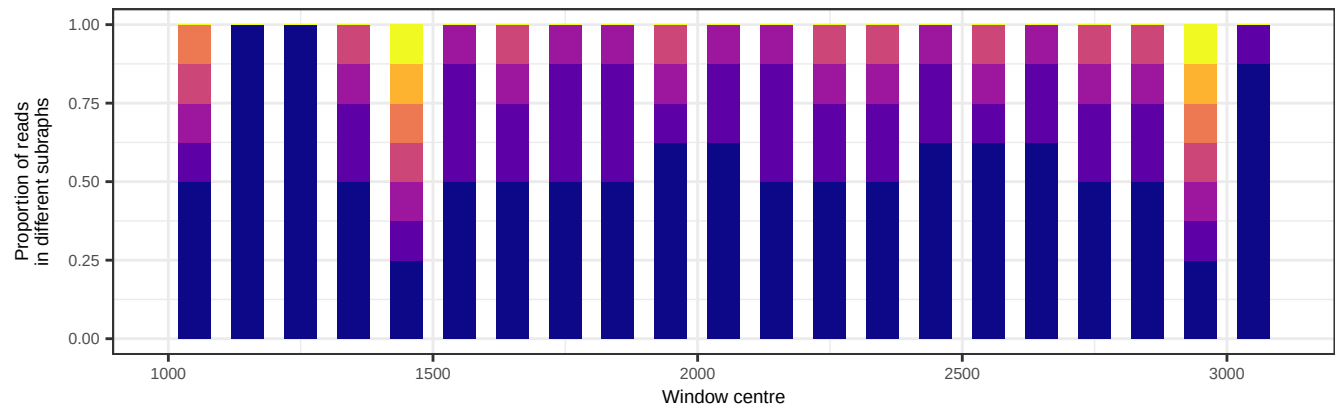
AD001


Tip or read count
8.050
8.025
8.000
7.975
7.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

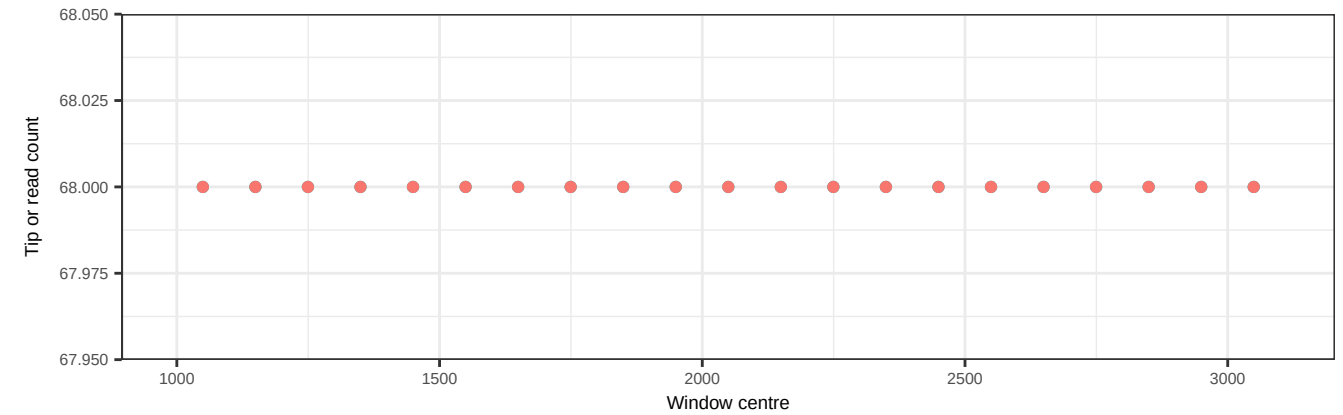

Subgraph or clade count
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

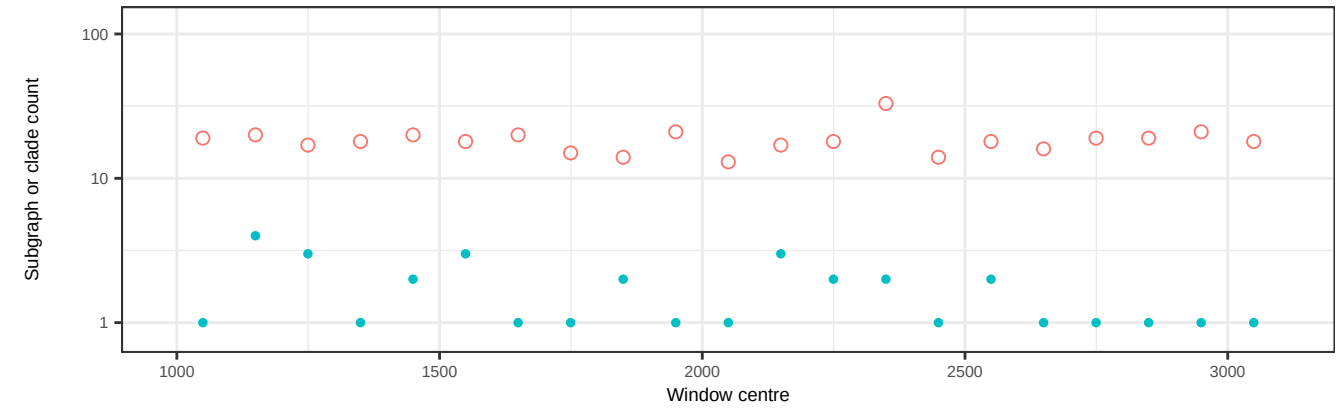

Mean root−to−tip−distance (read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

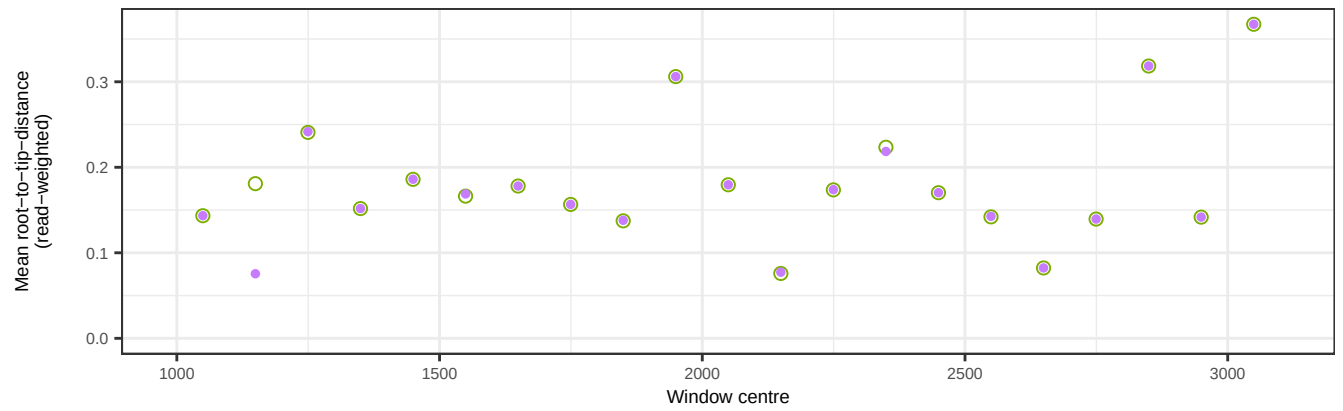

Mean pairwise patristic distance
0.025
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

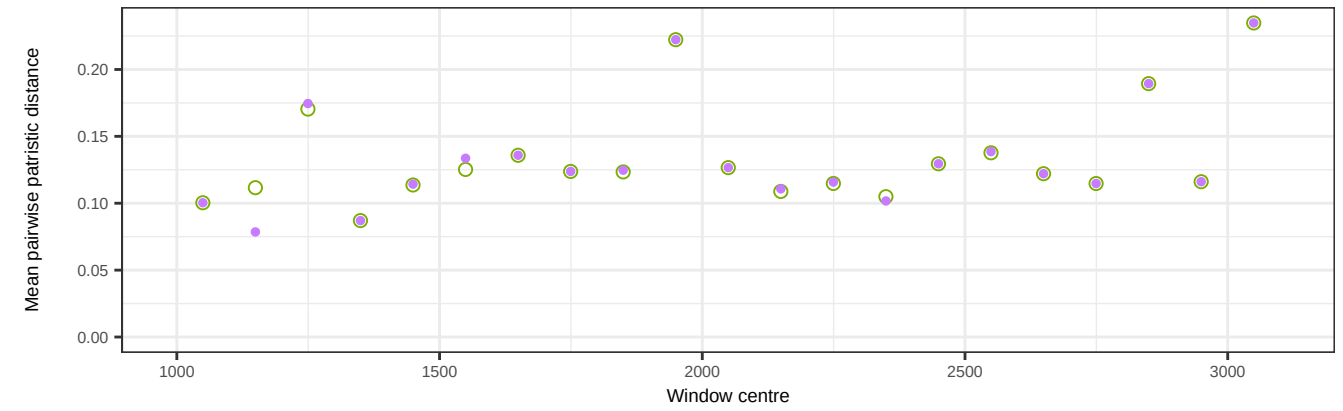

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank (by tip count)
7
6
5
4
3
2
1

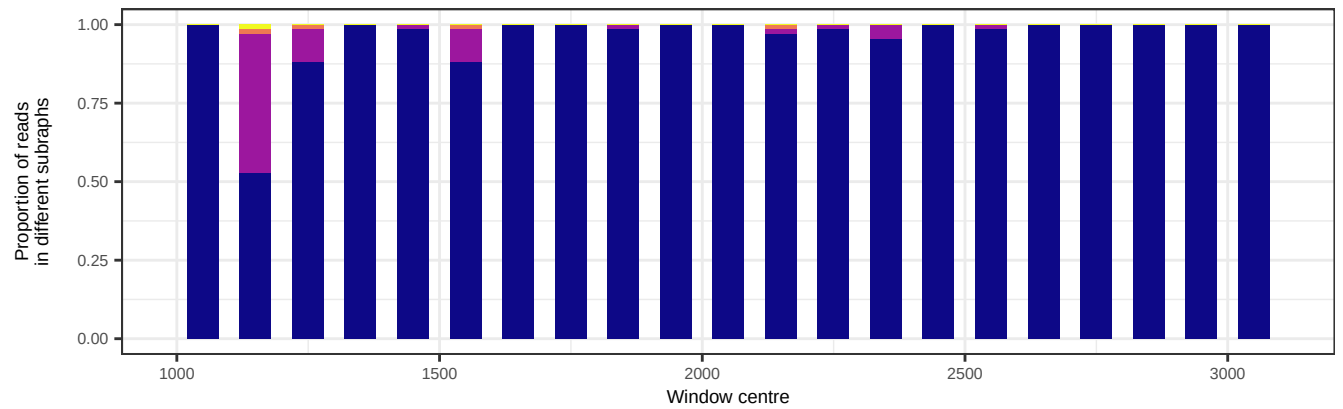
AD002


Tip or read count
68.050
68.025
68.000
67.975
67.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

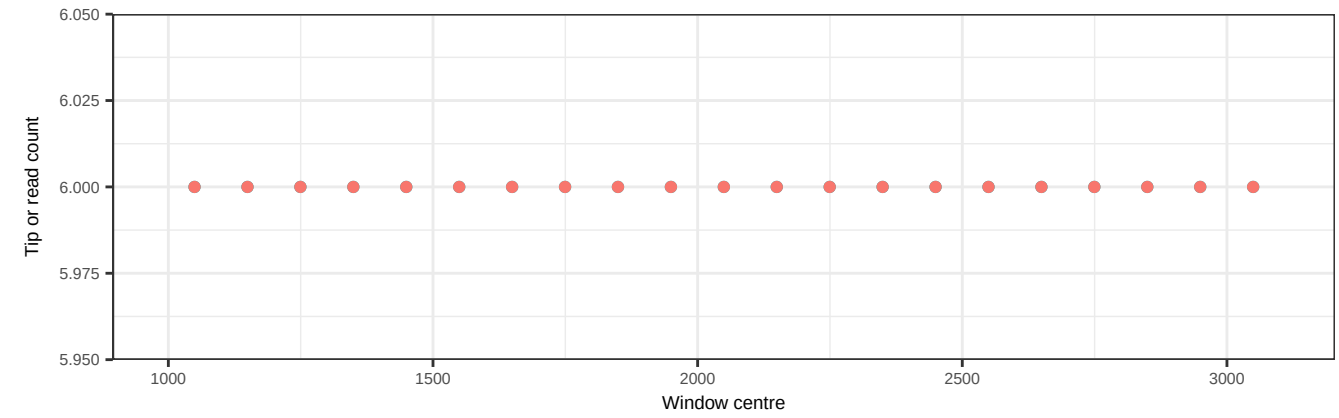

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

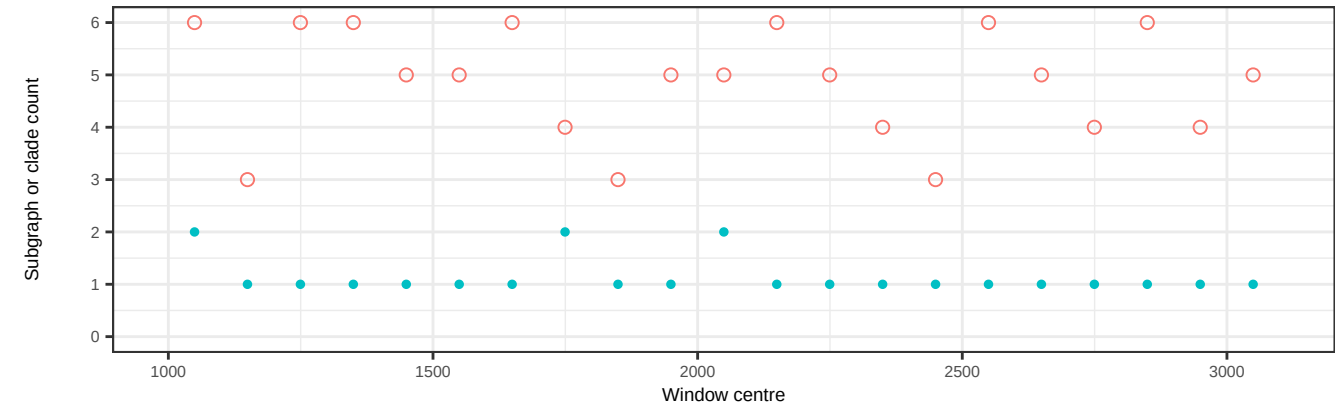

Mean root−to−tip−distance
(read−weighted)
0.3
0.2
0.1
0.0
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

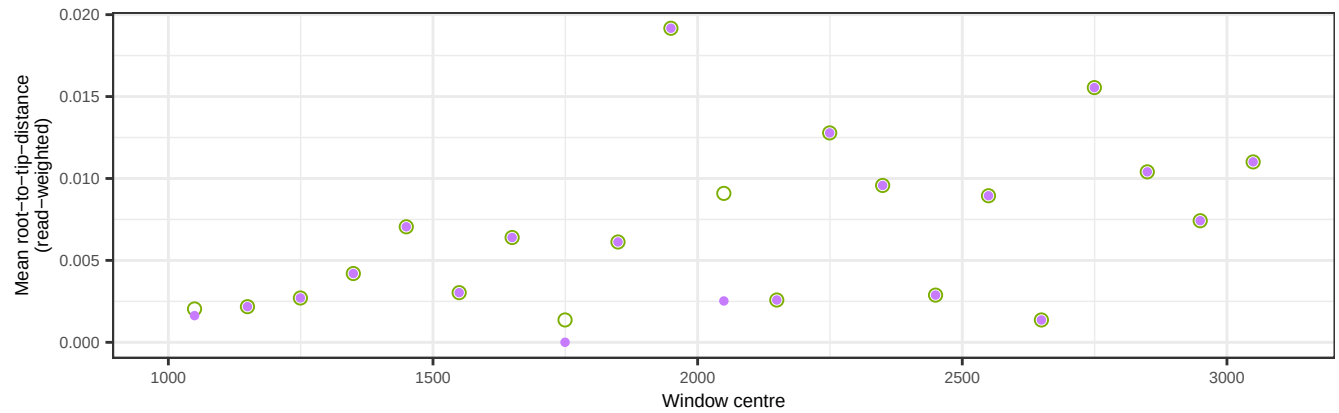

Mean pairwise patristic distance
0.20
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

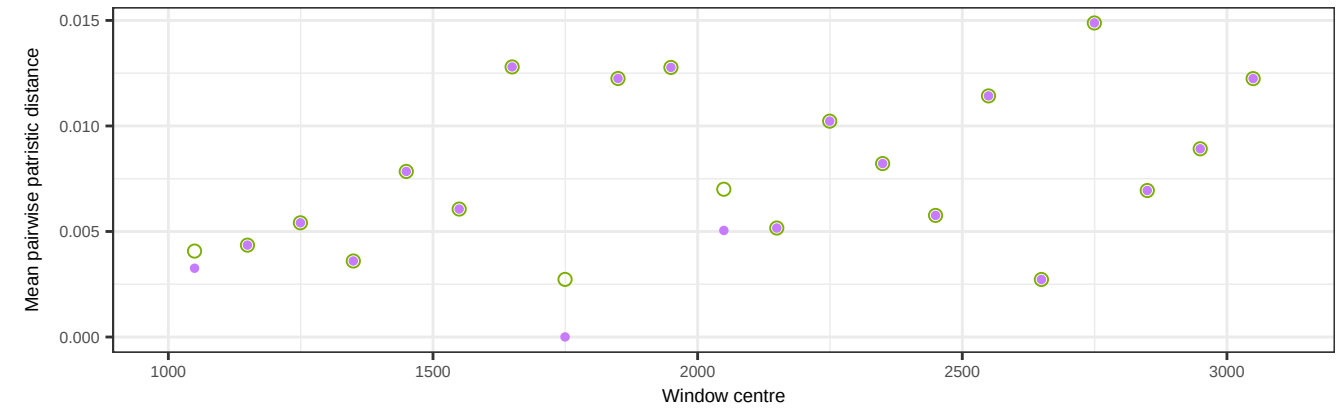

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
4
3
2
1

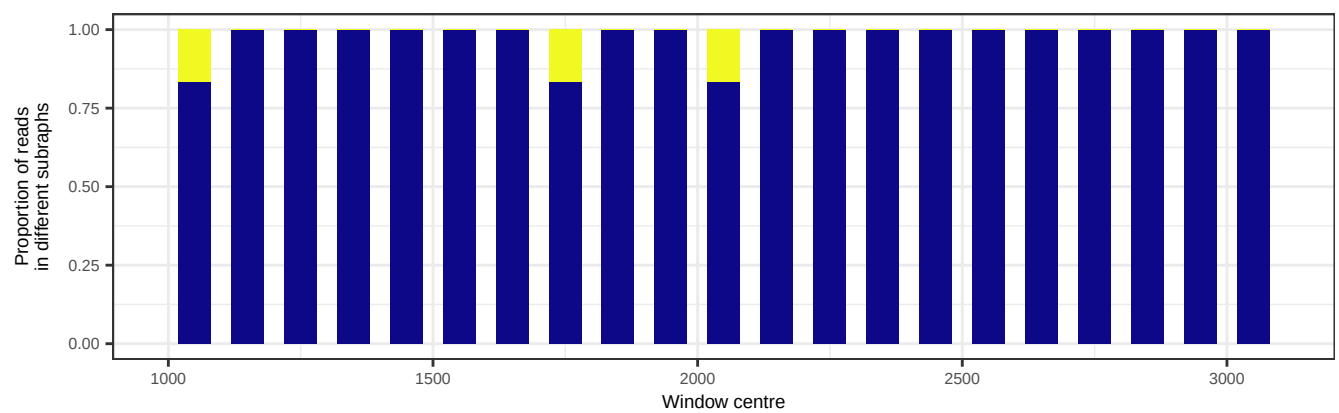
AE12


Tip or read count
6.050
6.025
6.000
5.975
5.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

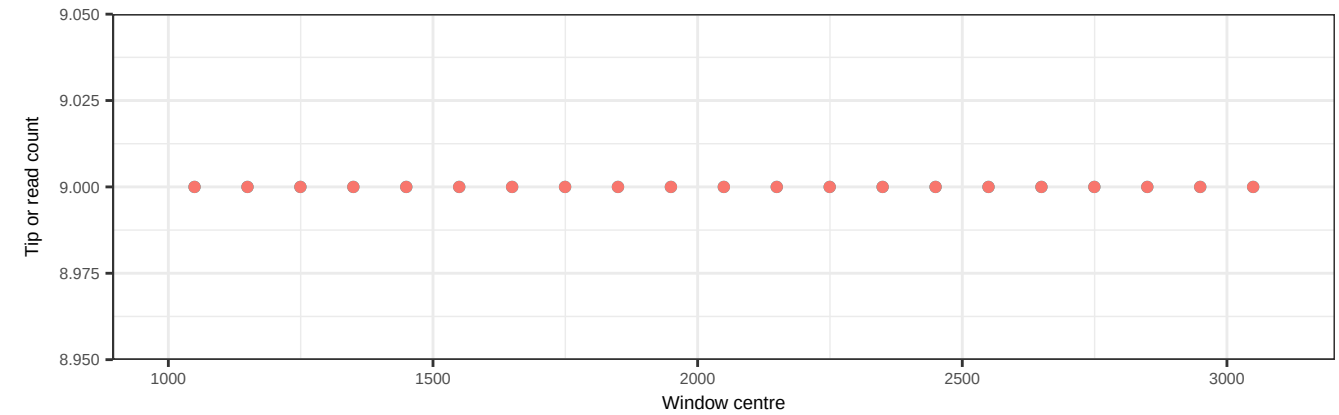

Subgraph or clade count
6
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

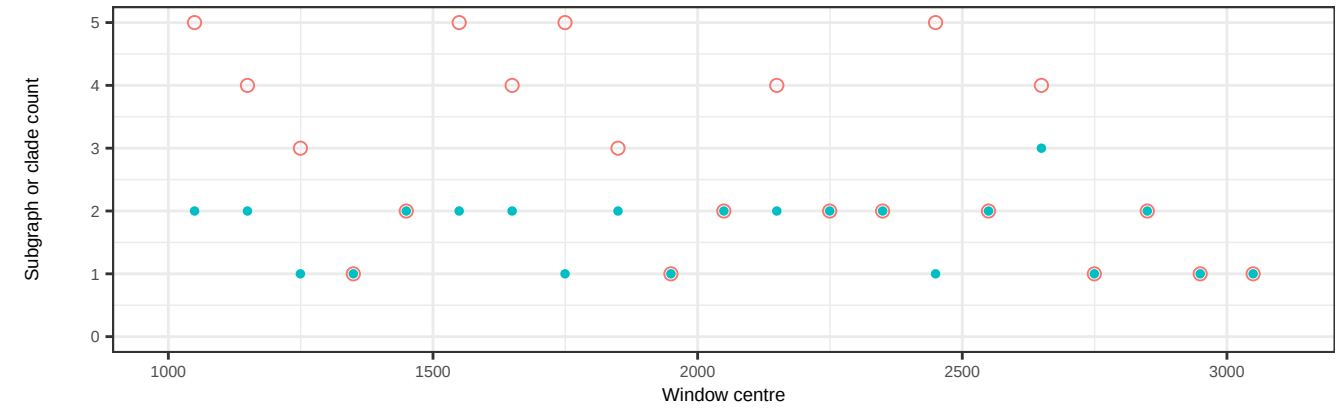

Mean root−to−tip−distance (read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

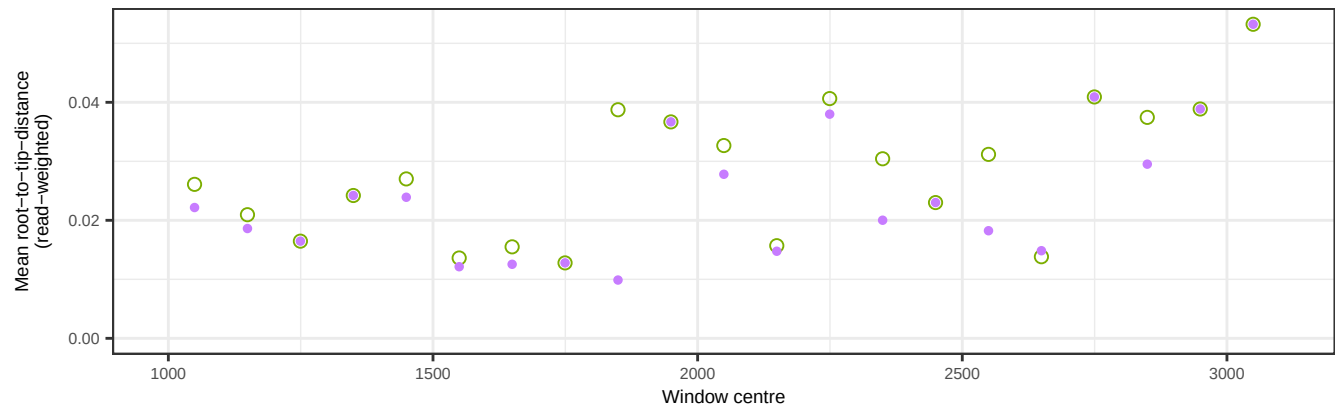

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

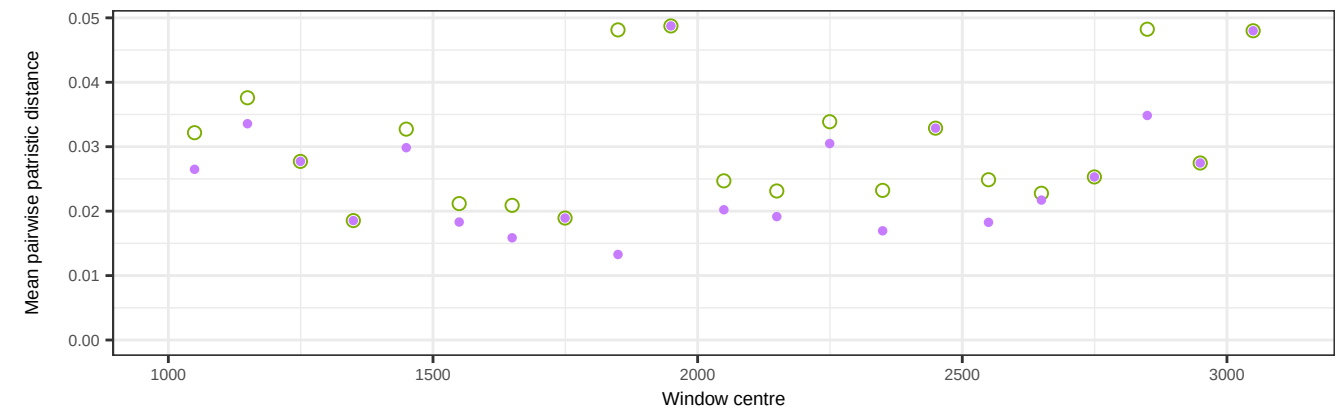

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank (by tip count)
2
1

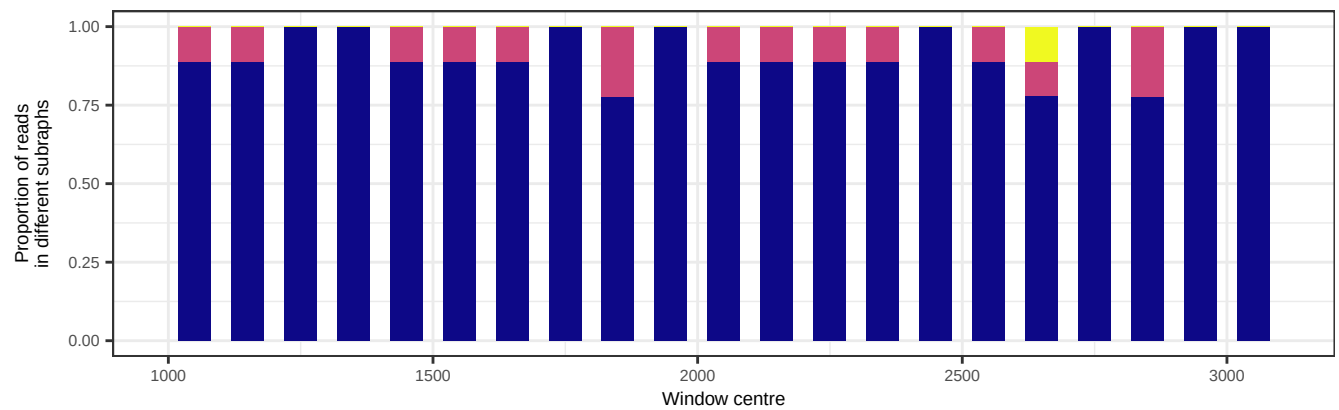
AE3


Tip or read count
9.050
9.025
9.000
8.975
8.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

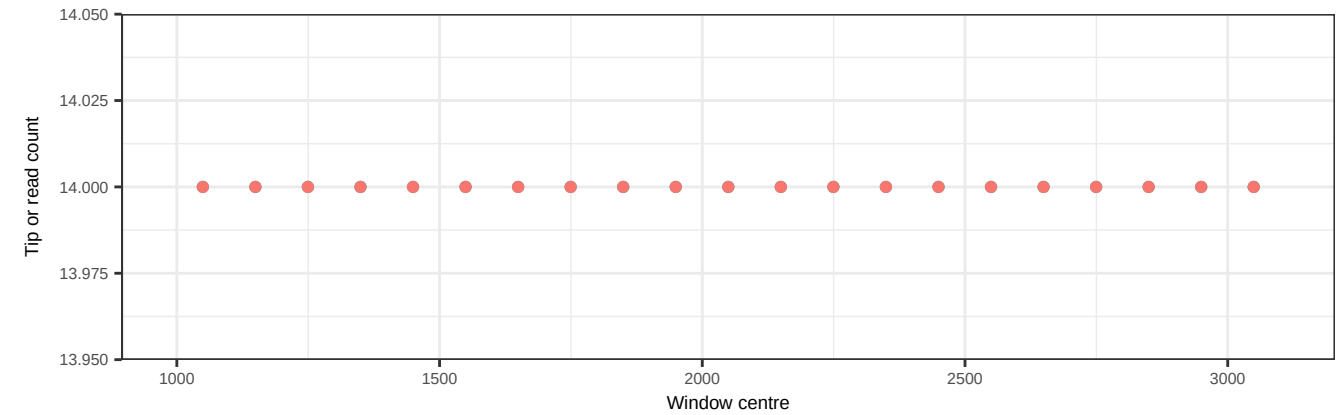

Subgraph or clade count
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

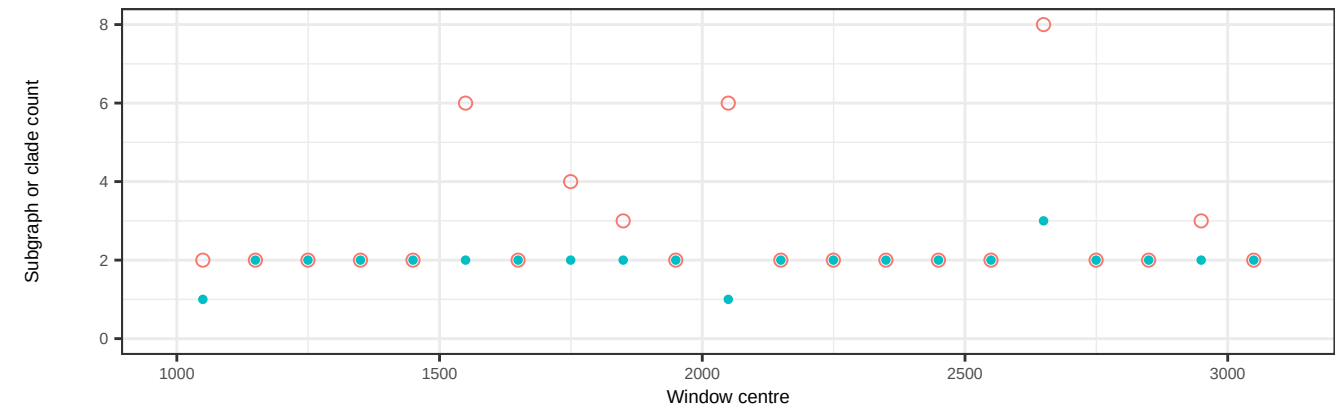

Mean root−to−tip−distance
(read−weighted)
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

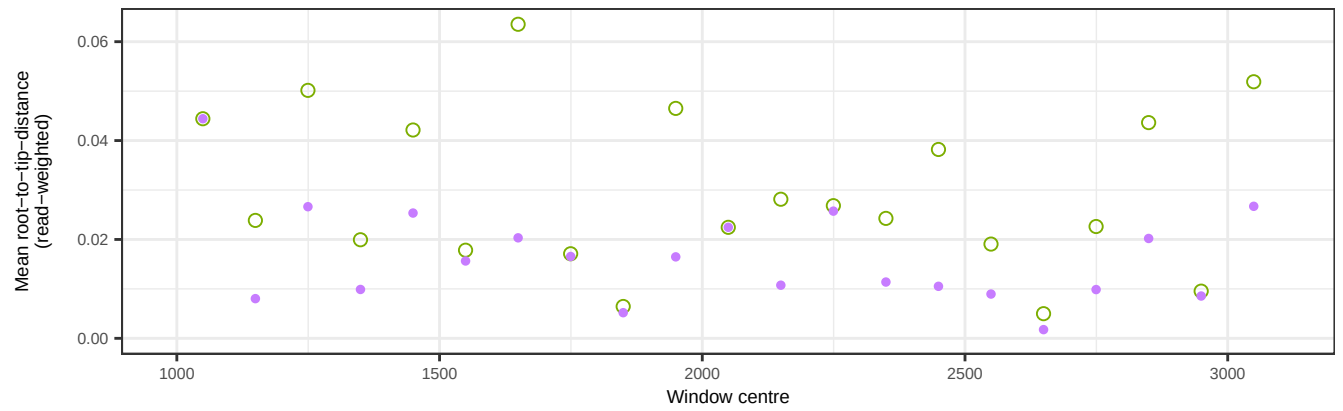

Mean pairwise patristic distance
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

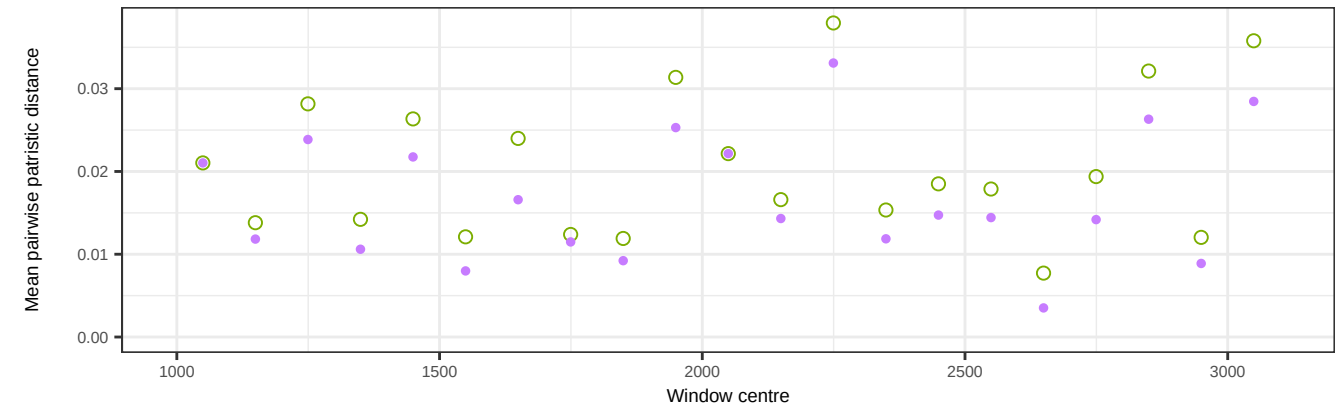

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
3
2
1

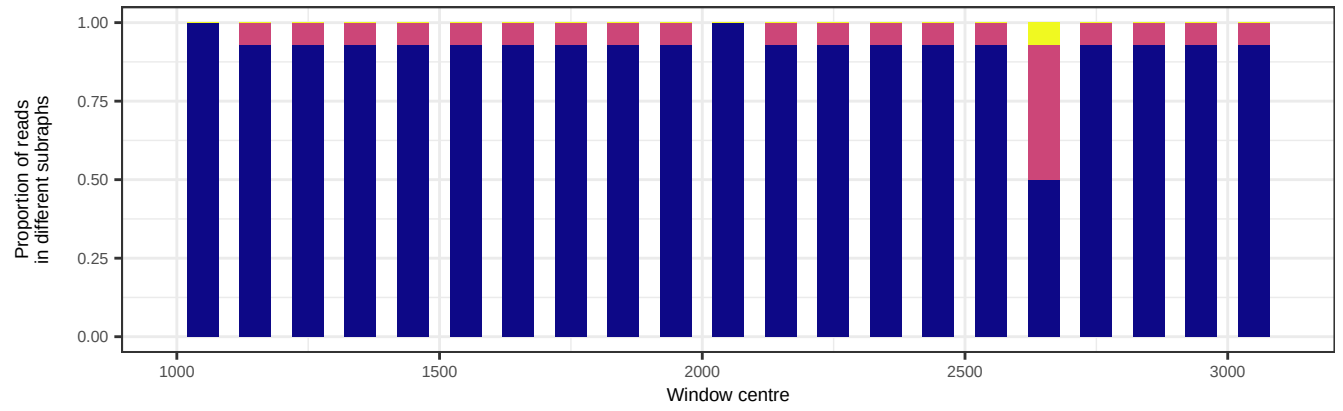
AE4


Tip or read count
14.050
14.025
14.000
13.975
13.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

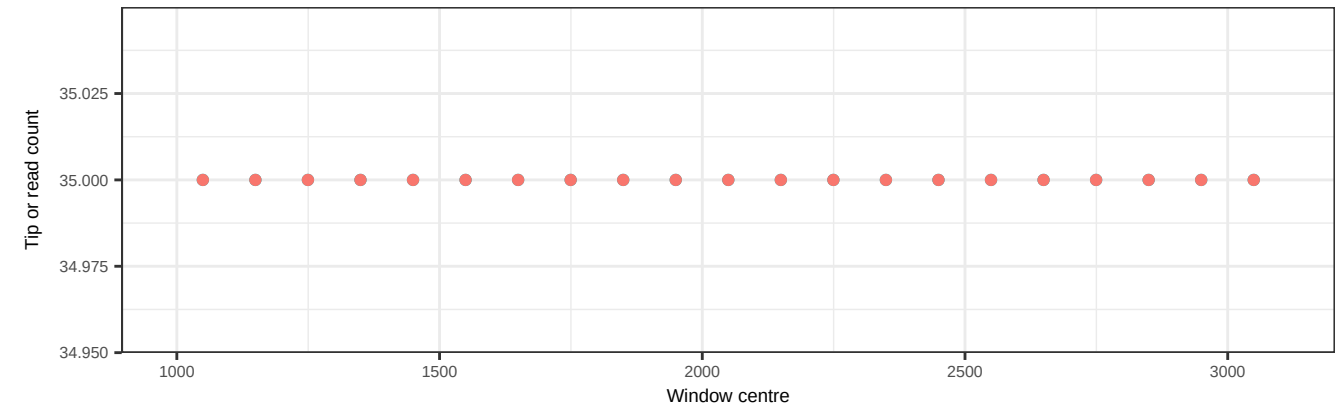

Subgraph or clade count
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

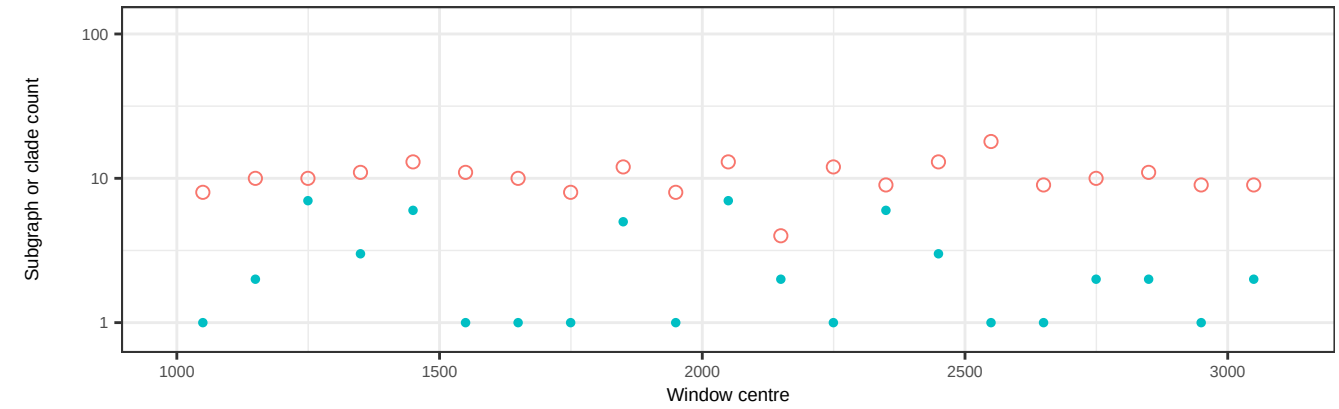

Mean root−to−tip−distance
(read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

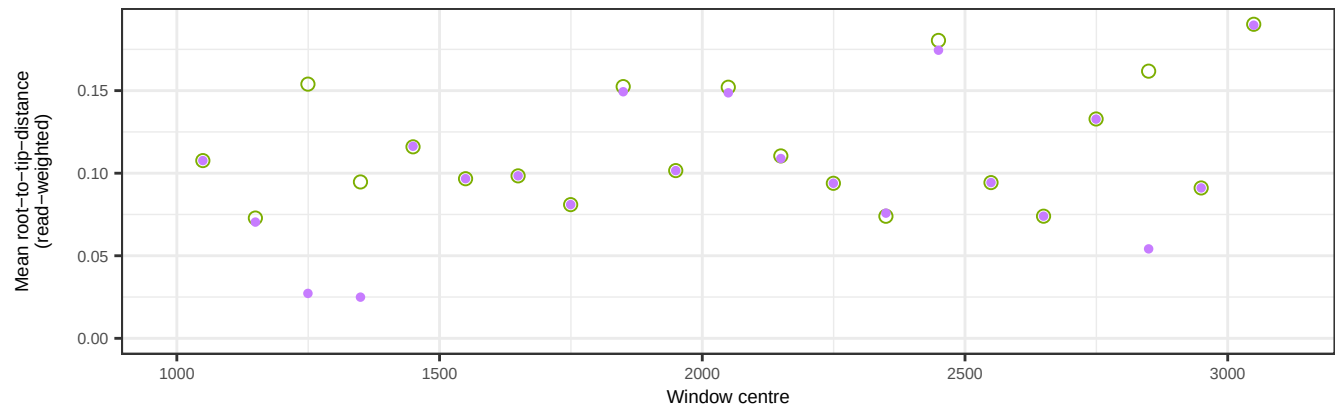

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

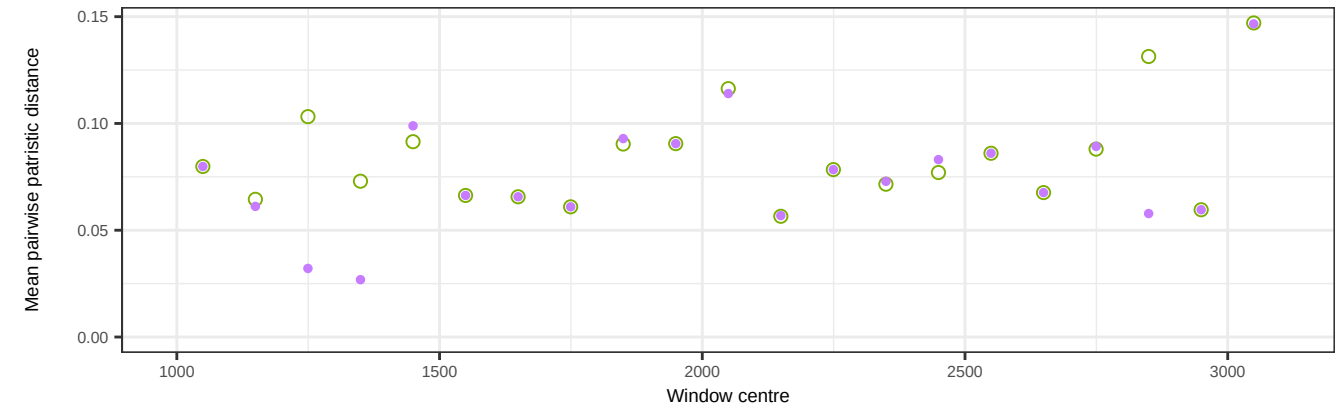

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
3
2
1

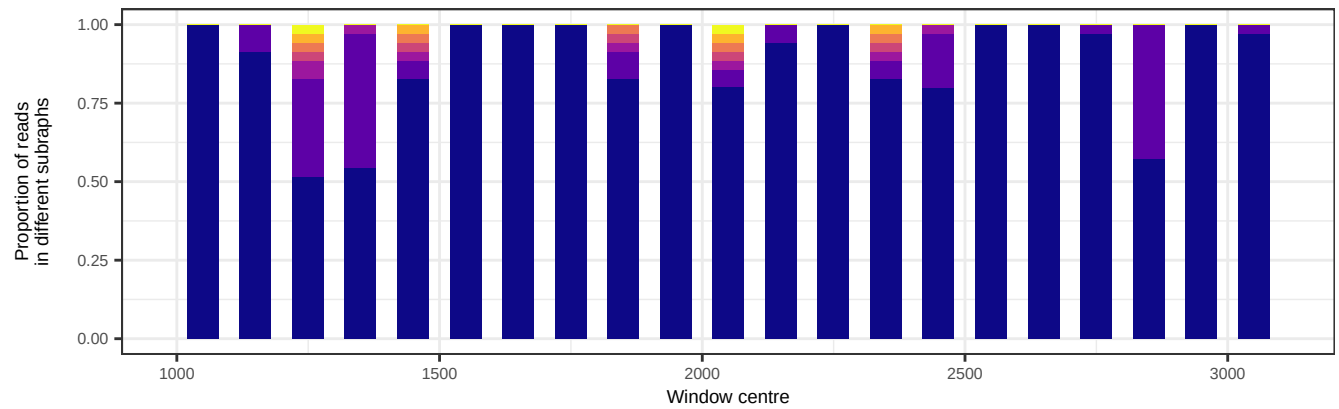
AH05


Tip or read count
35.025
35.000
34.975
34.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

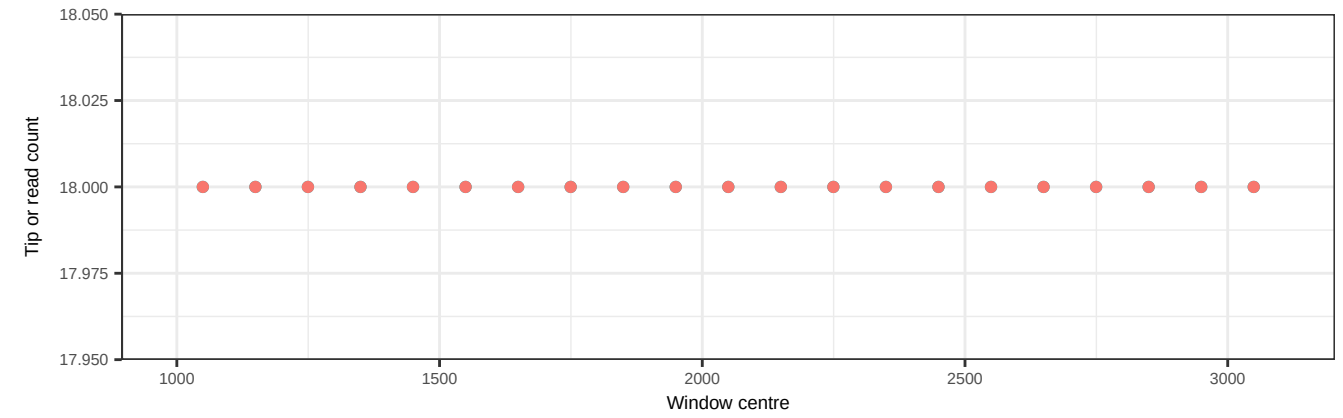

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

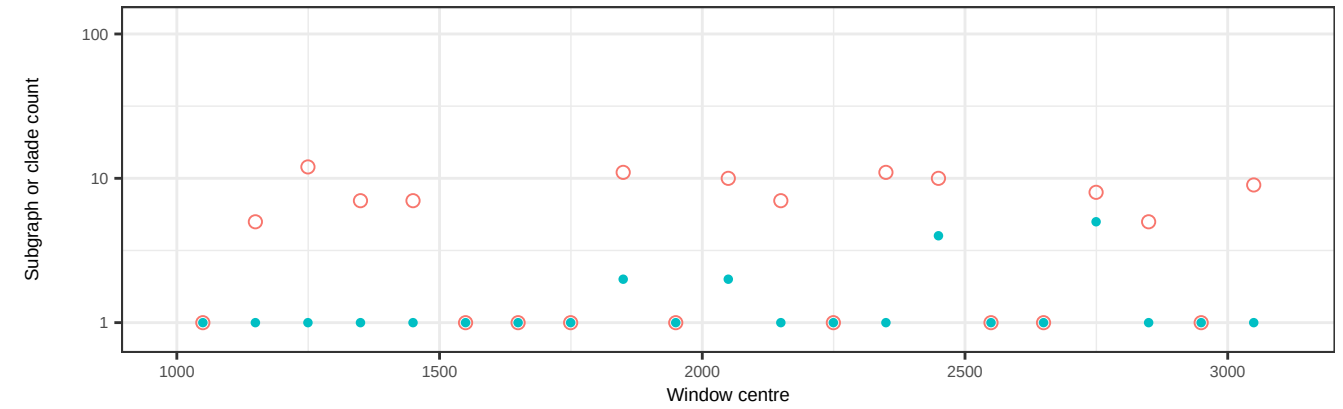

Mean root−to−tip−distance
(read−weighted)
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

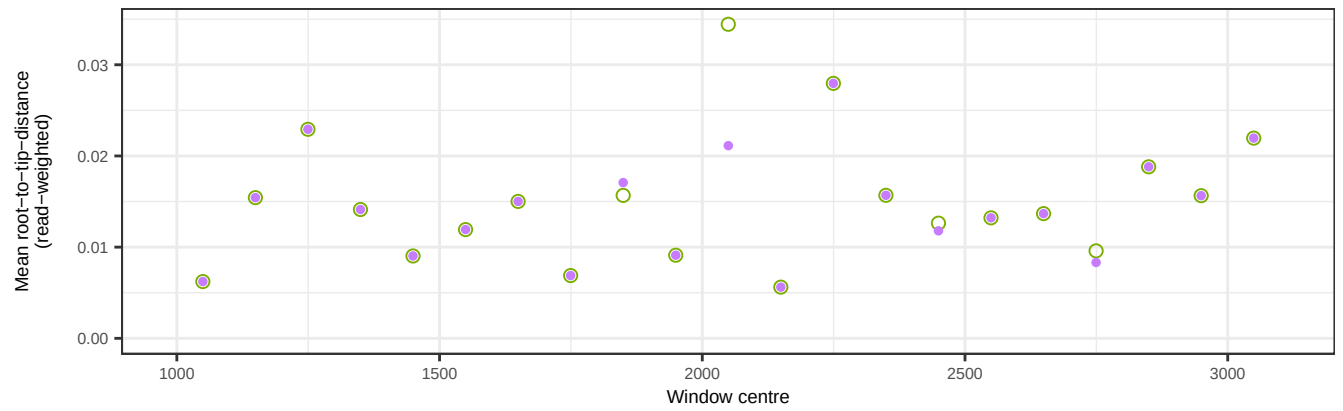

Mean pairwise patristic distance
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

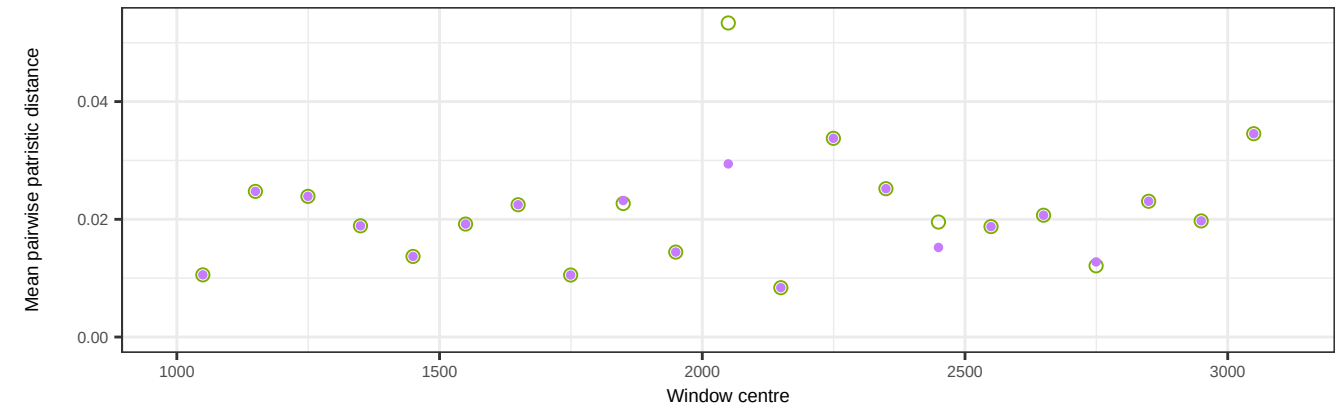

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

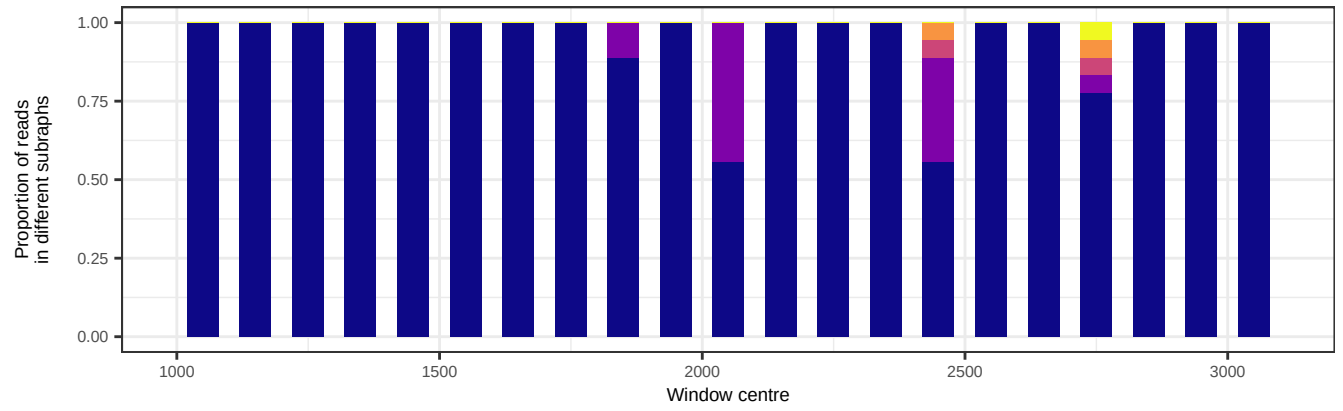
AH10


Tip or read count
18.050
18.025
18.000
17.975
17.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

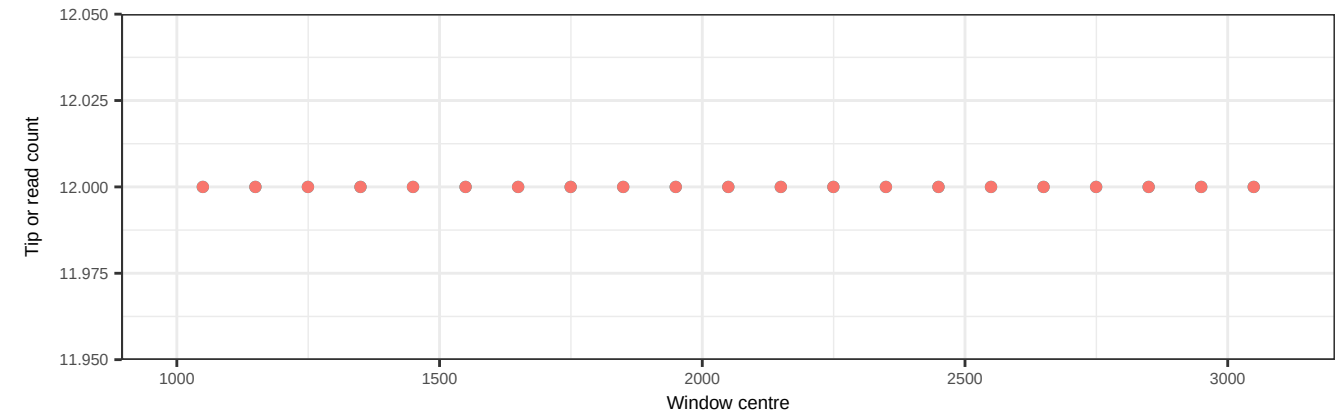

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

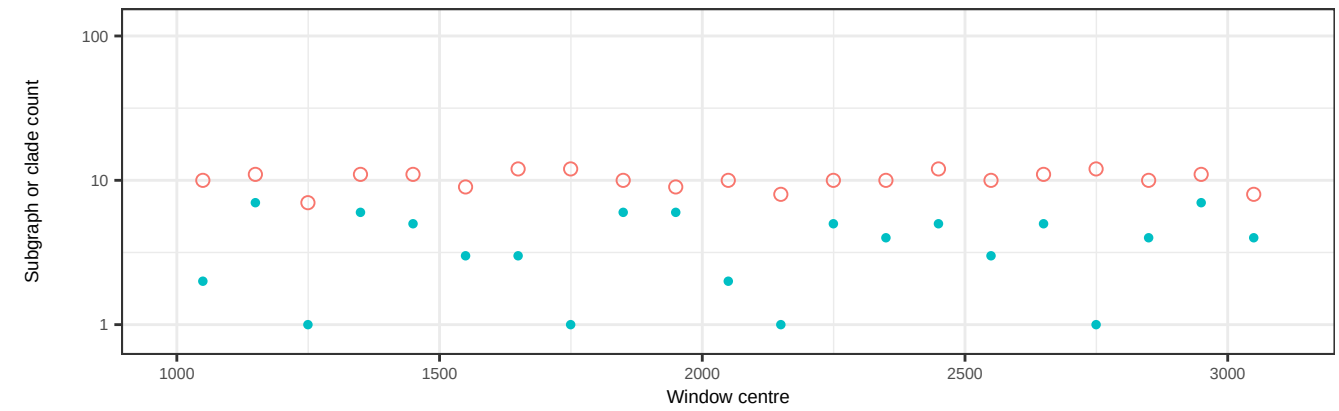

Mean root−to−tip−distance
(read−weighted)
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

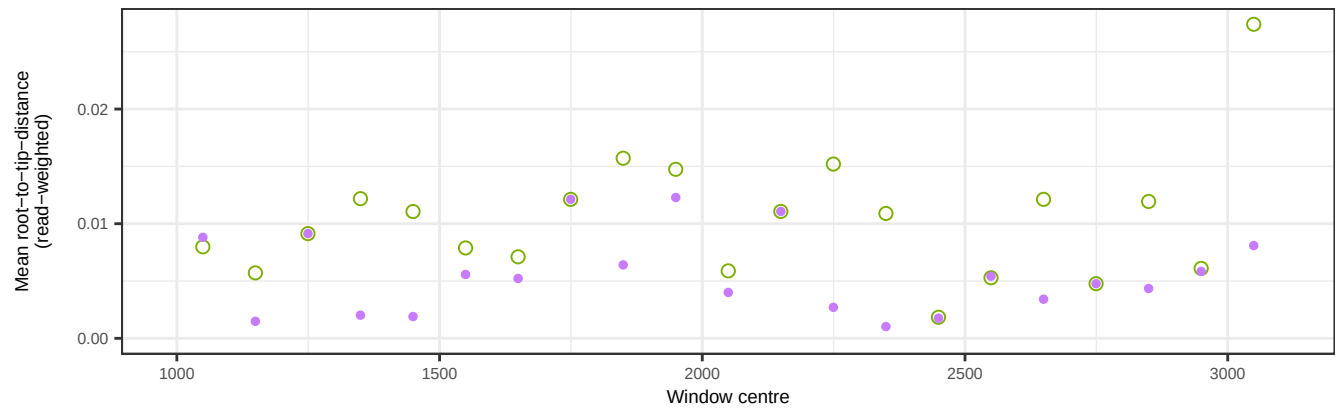

Mean pairwise patristic distance
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

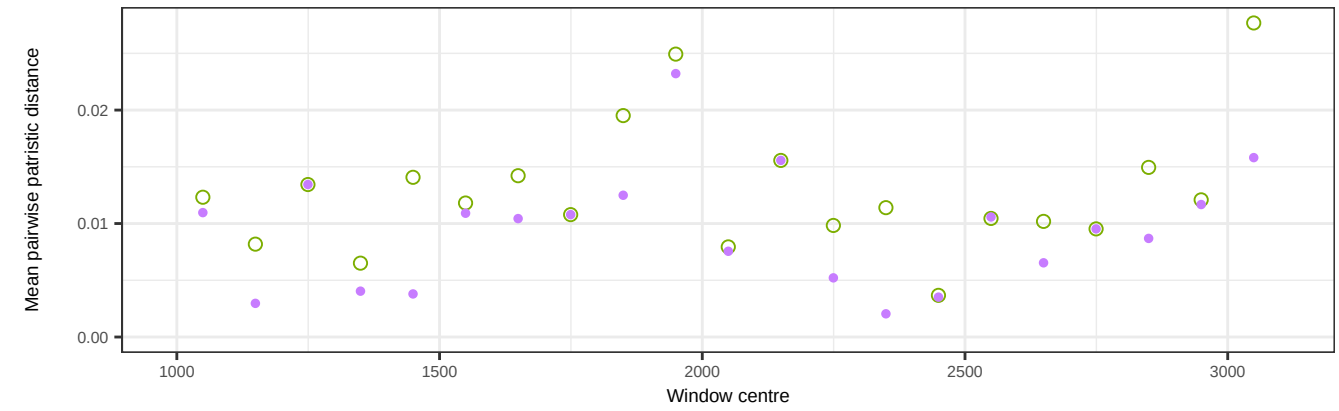

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

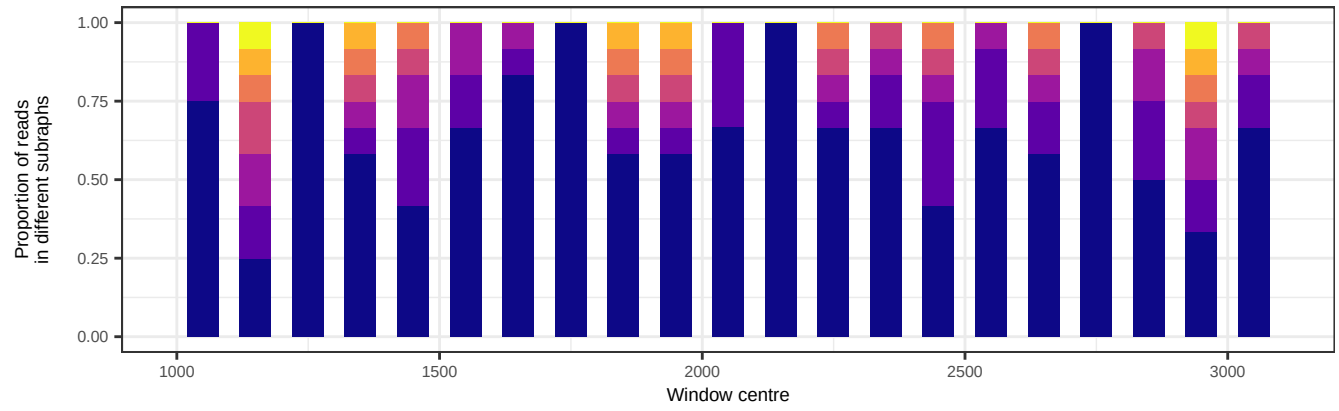
AI001


Tip or read count
12.050
12.025
12.000
11.975
11.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

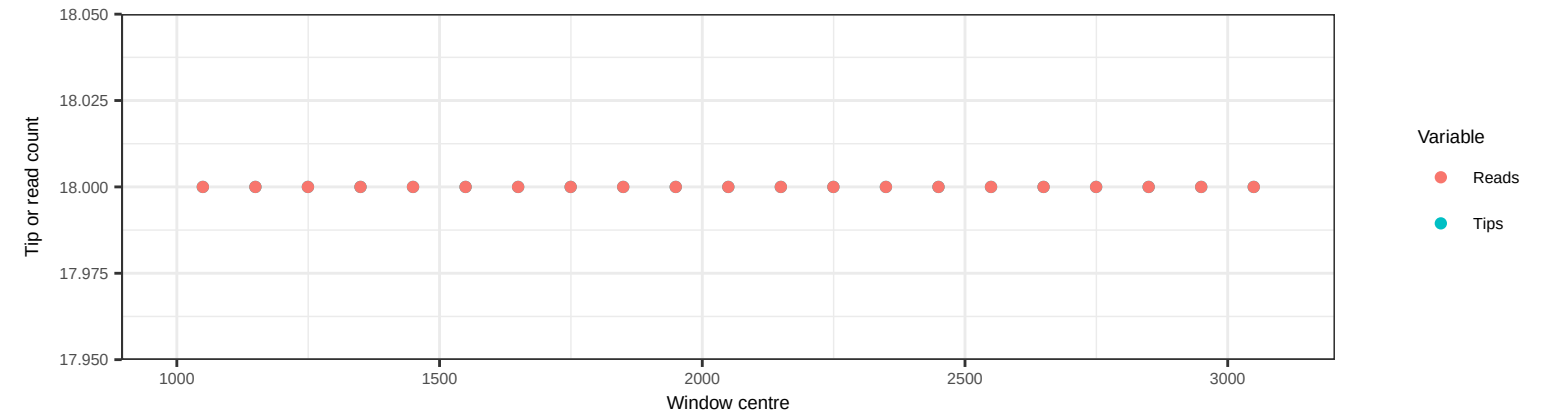

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

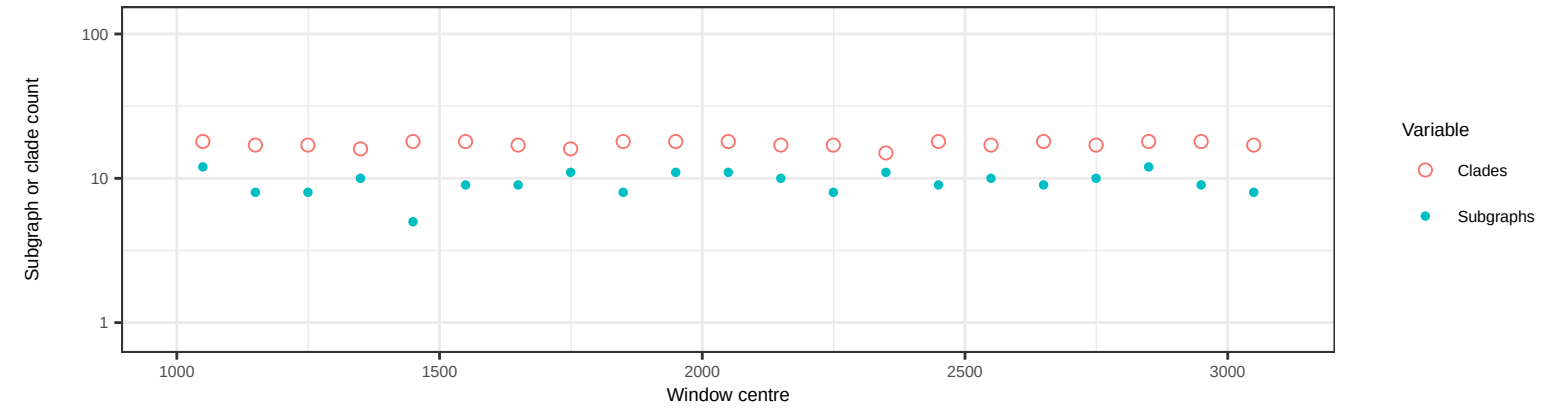

Mean root−to−tip−distance
(read−weighted)
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

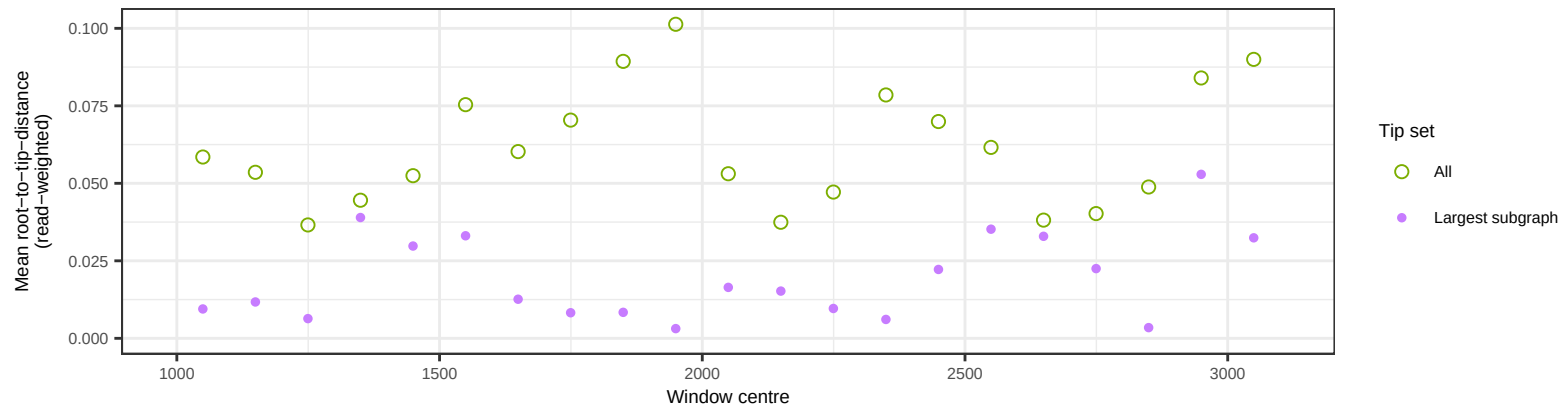

Mean pairwise patristic distance
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

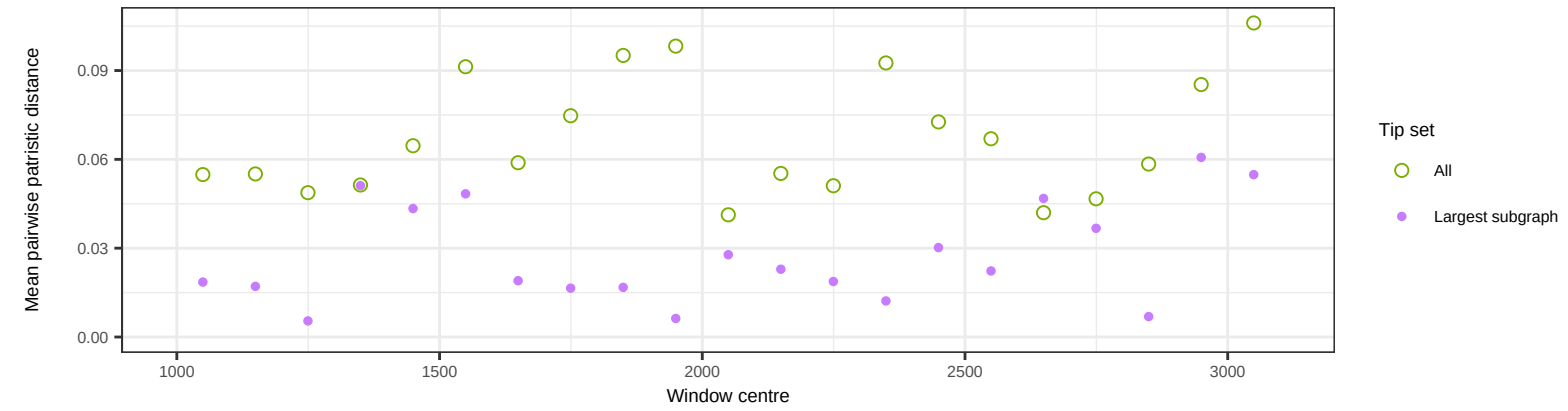

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

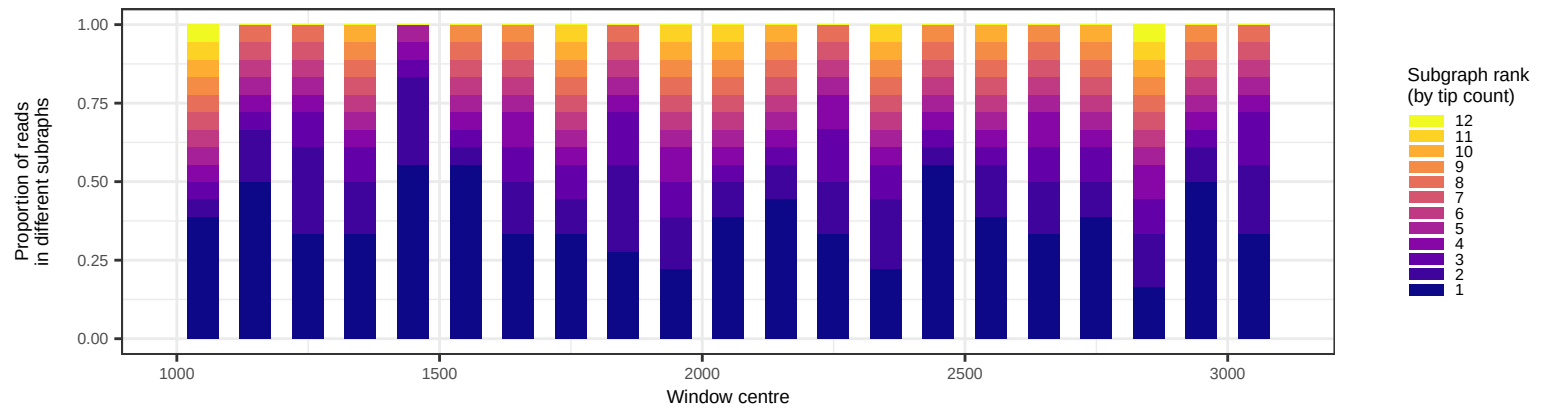
AI002


Tip or read count
18.050
18.025
18.000
17.975
17.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

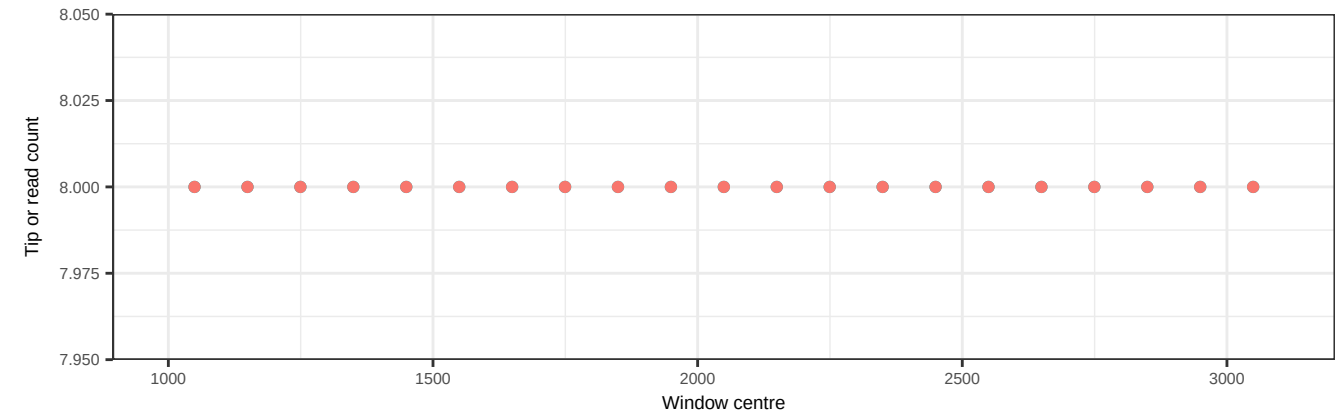

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

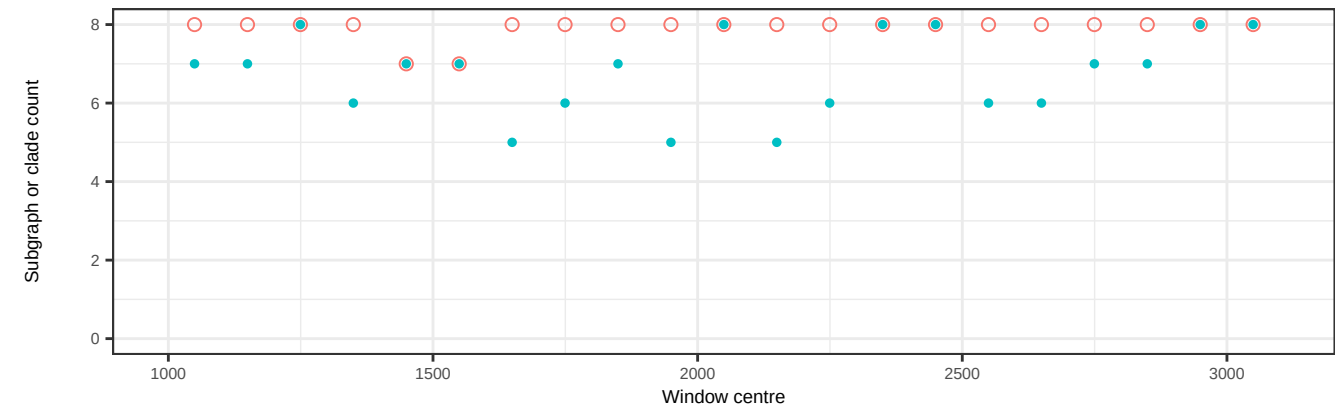

Mean root−to−tip−distance
(read−weighted)
0.100
0.075
0.050
0.025
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

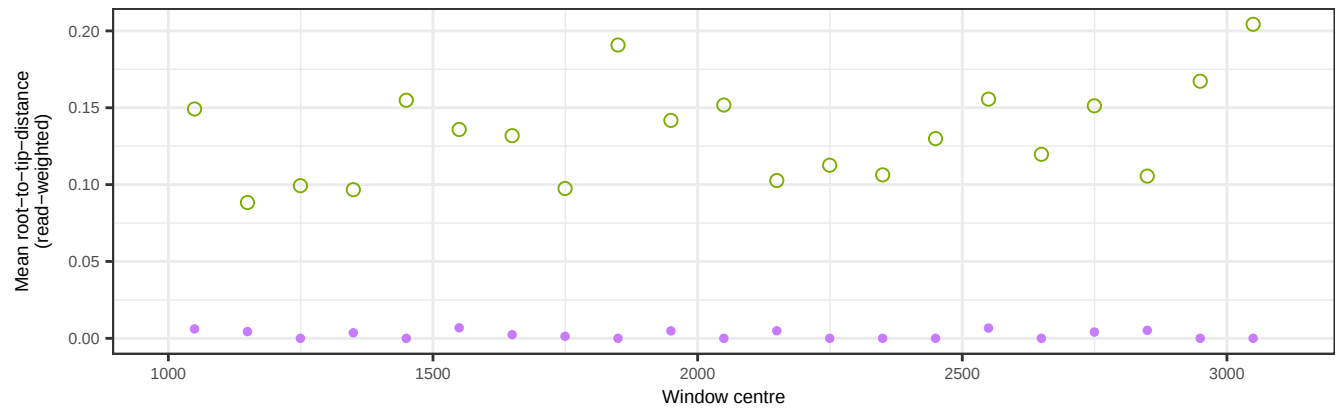

Mean pairwise patristic distance
0.09
0.06
0.03
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

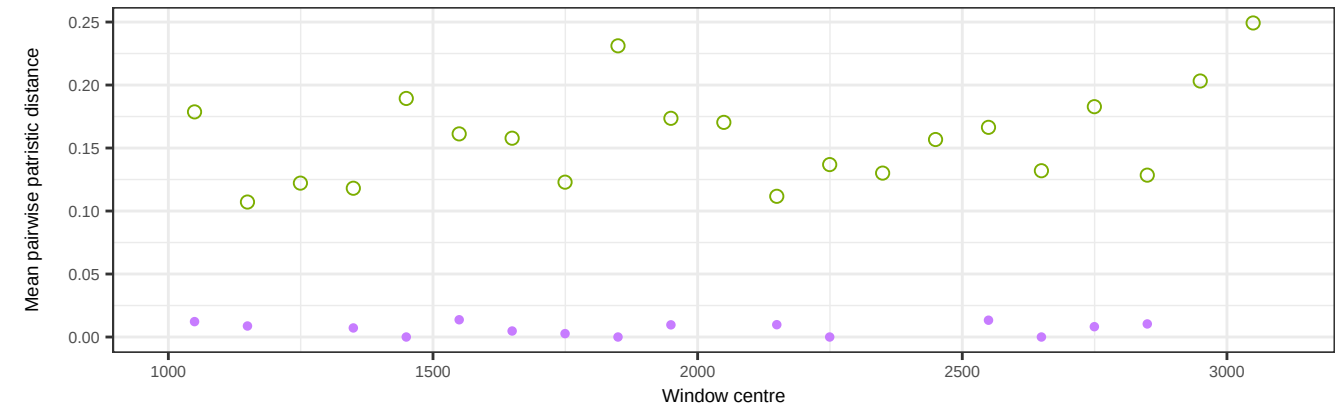

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
12
11
10
9
8
7
6
5
4
3
2
1

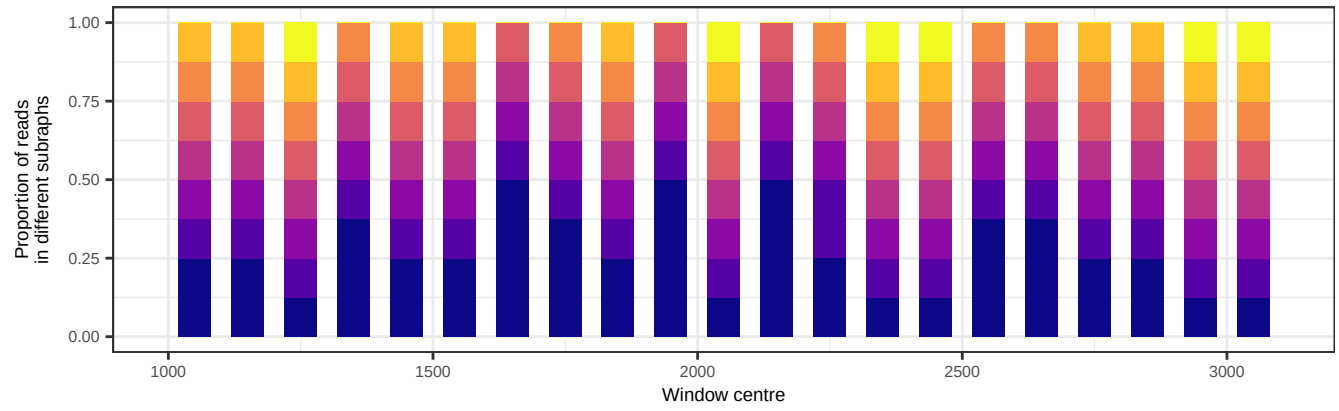
AI003


Tip or read count
8.050
8.025
8.000
7.975
7.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

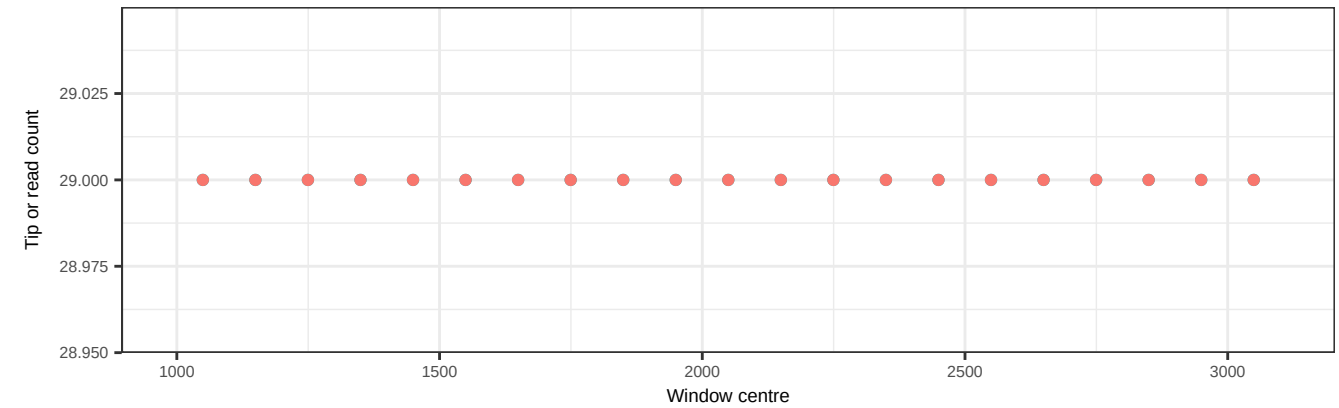

Subgraph or clade count
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

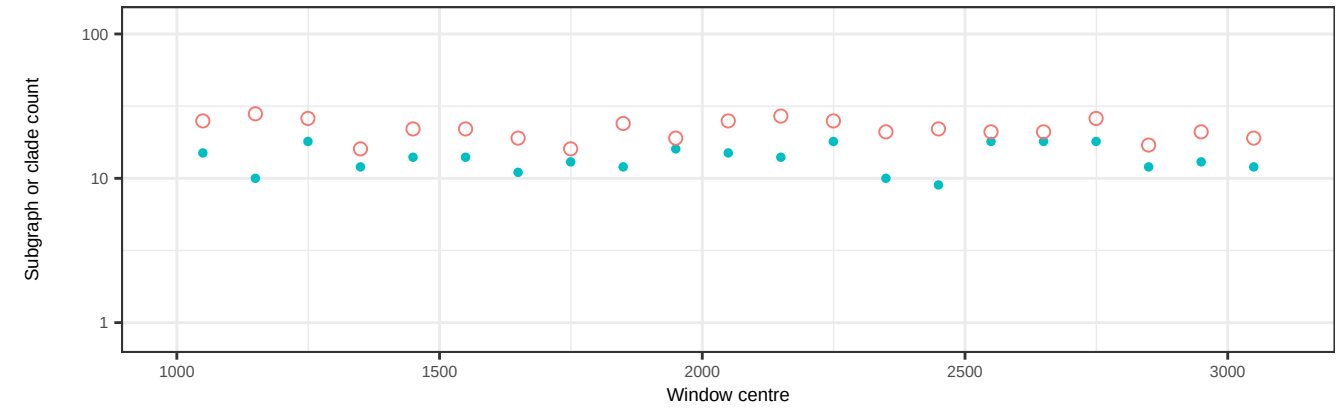

Mean root−to−tip−distance
(read−weighted)
0.20
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

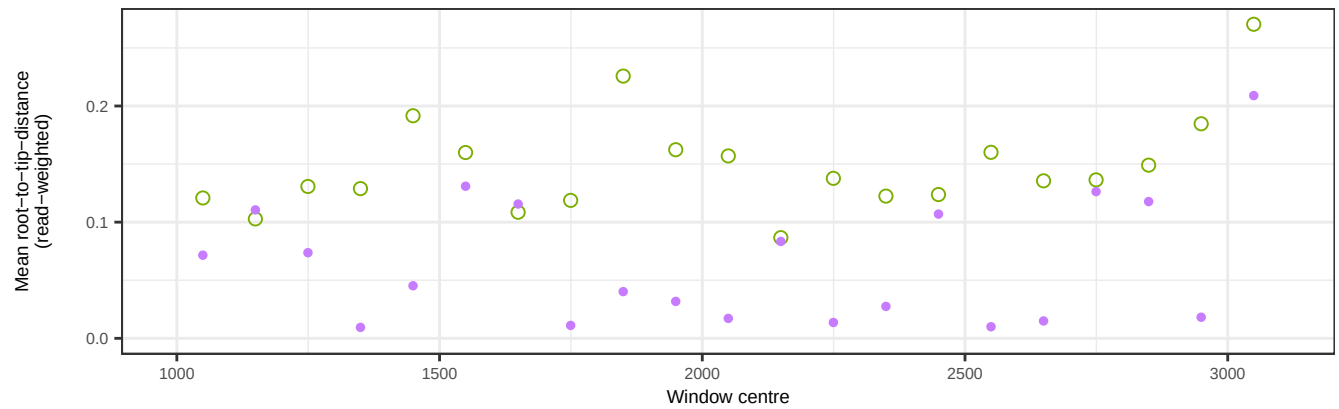

Mean pairwise patristic distance
0.25
0.20
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

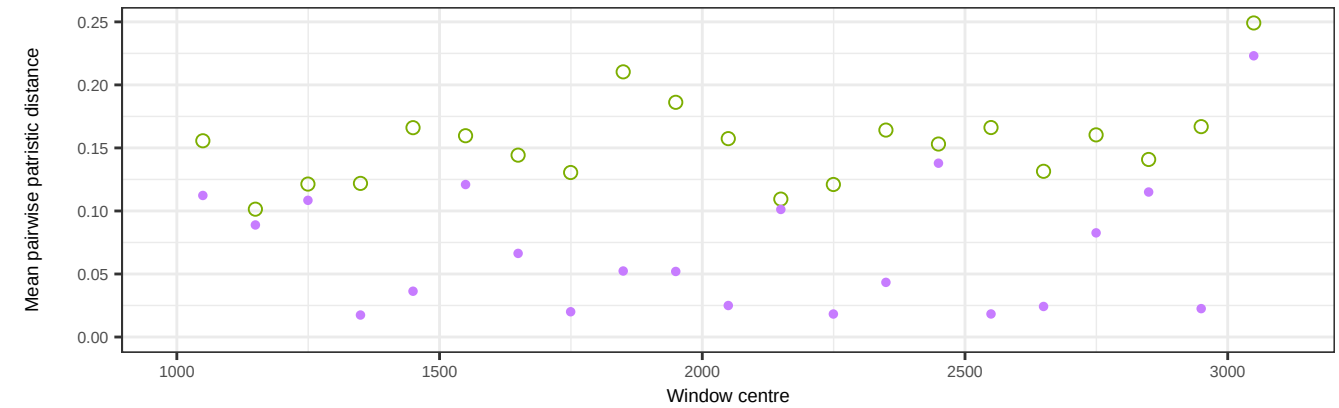

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
8
7
6
5
4
3
2
1

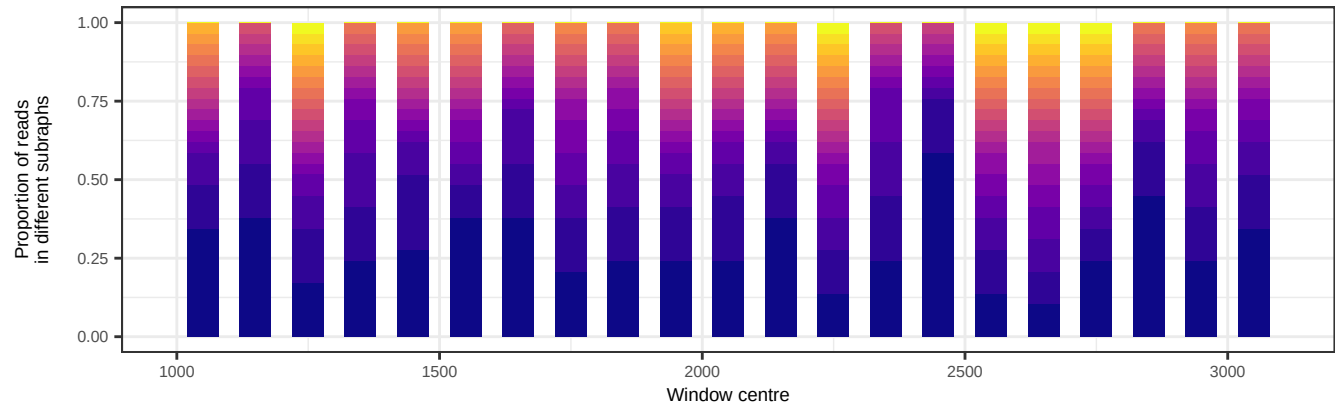
AI004


Tip or read count
29.025
29.000
28.975
28.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

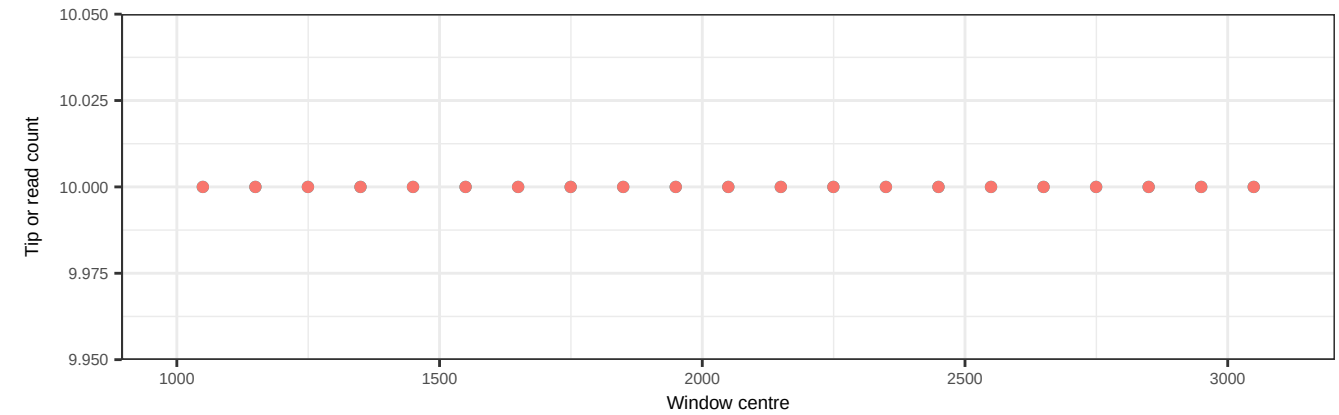

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

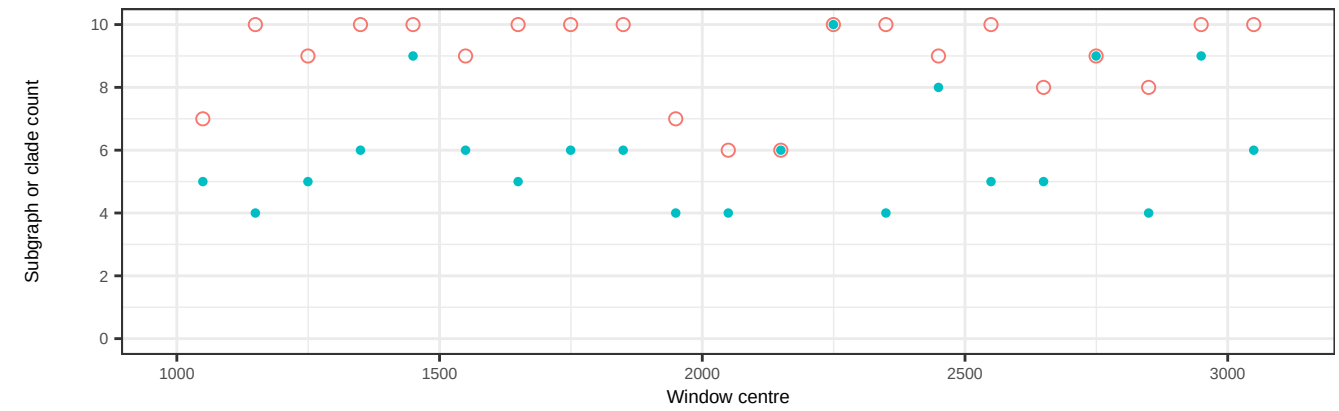

Mean root−to−tip−distance
(read−weighted)
0.2
0.1
0.0
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

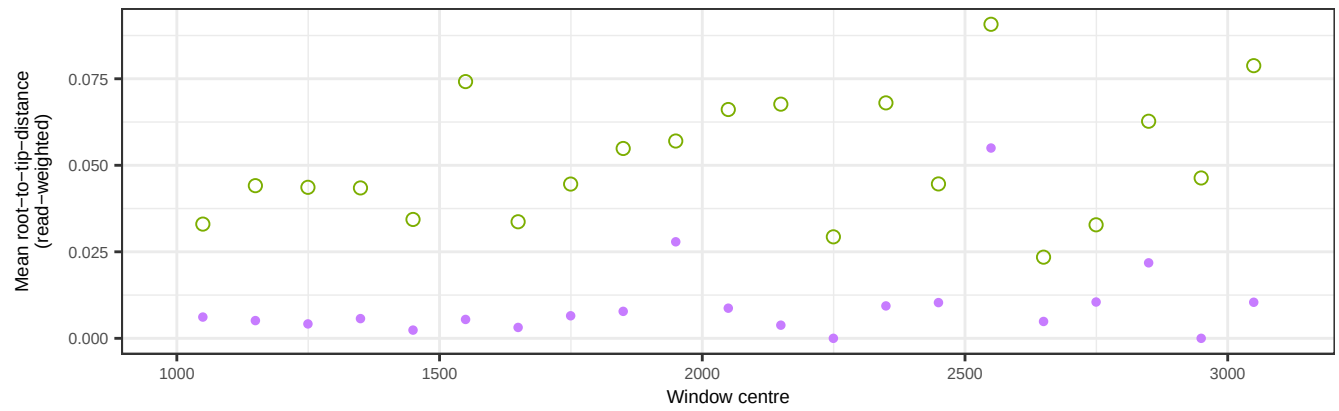

Mean pairwise patristic distance
0.25
0.20
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

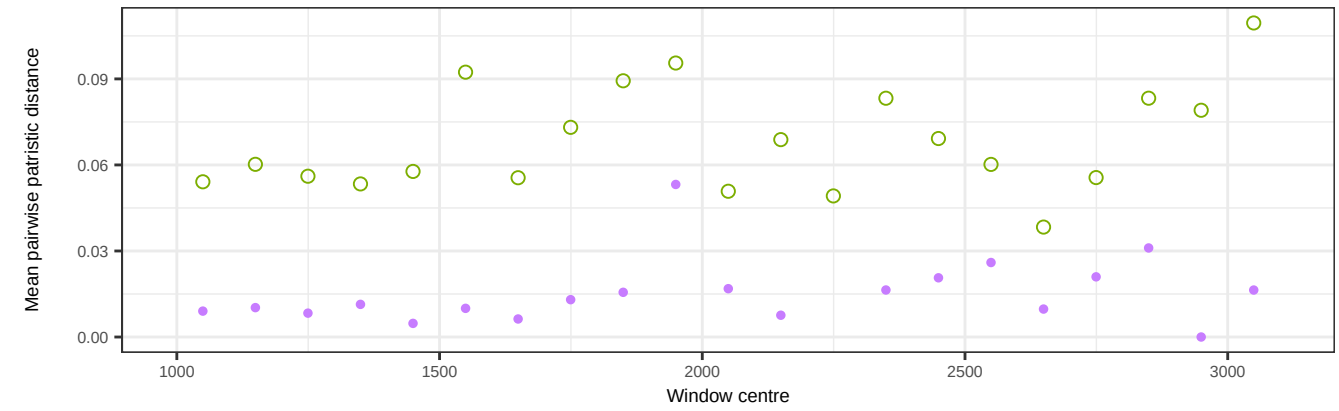

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

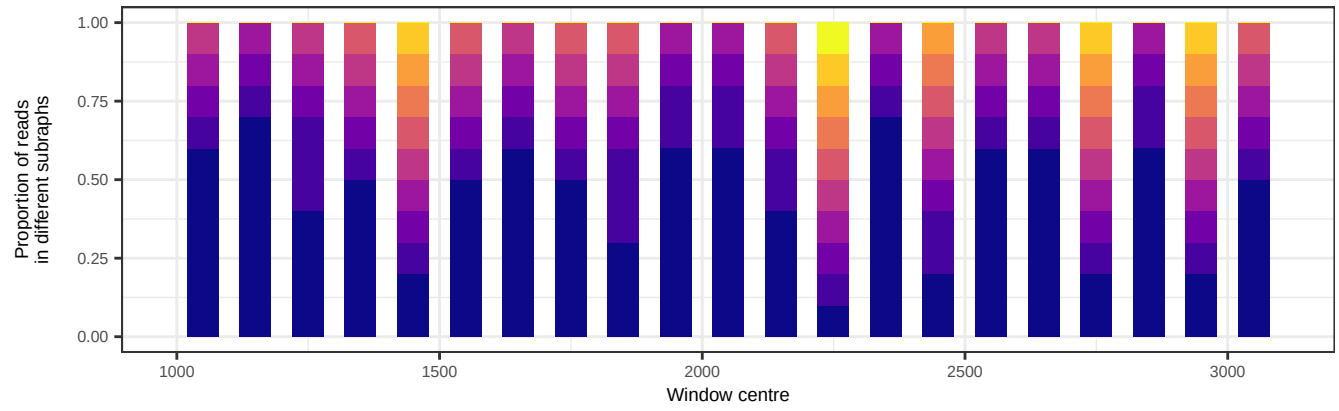
AI005


Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

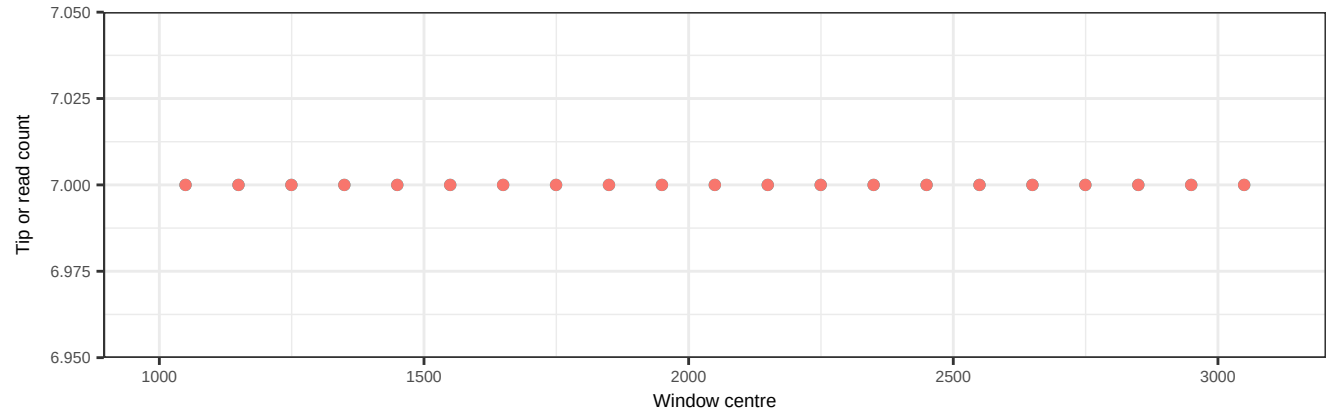

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

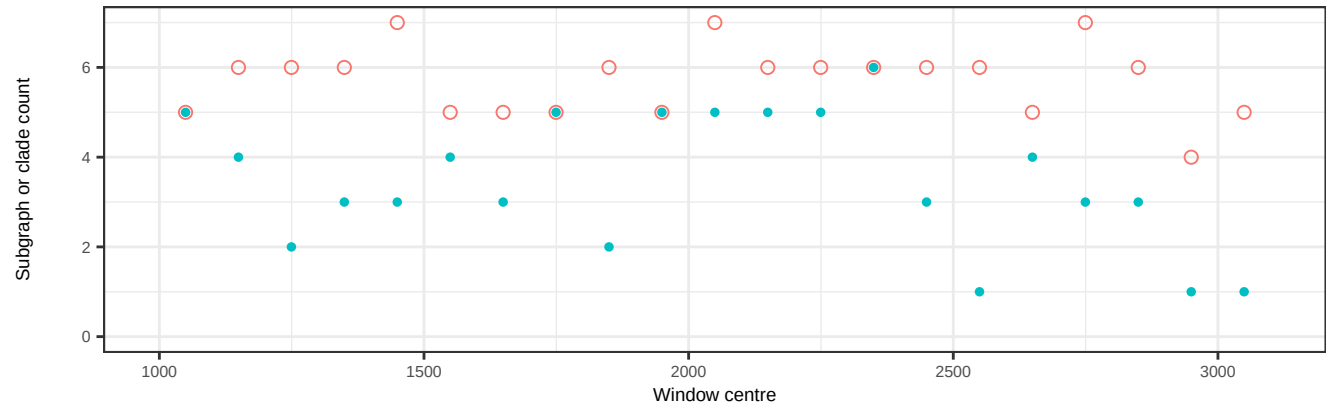

Mean root−to−tip−distance
(read−weighted)
0.075
0.050
0.025
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

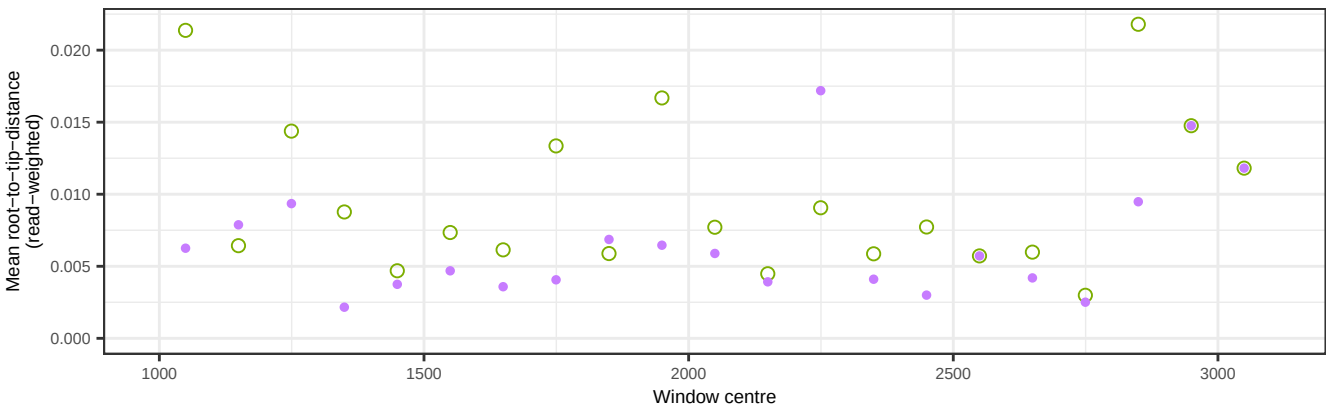

Mean pairwise patristic distance
0.09
0.06
0.03
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

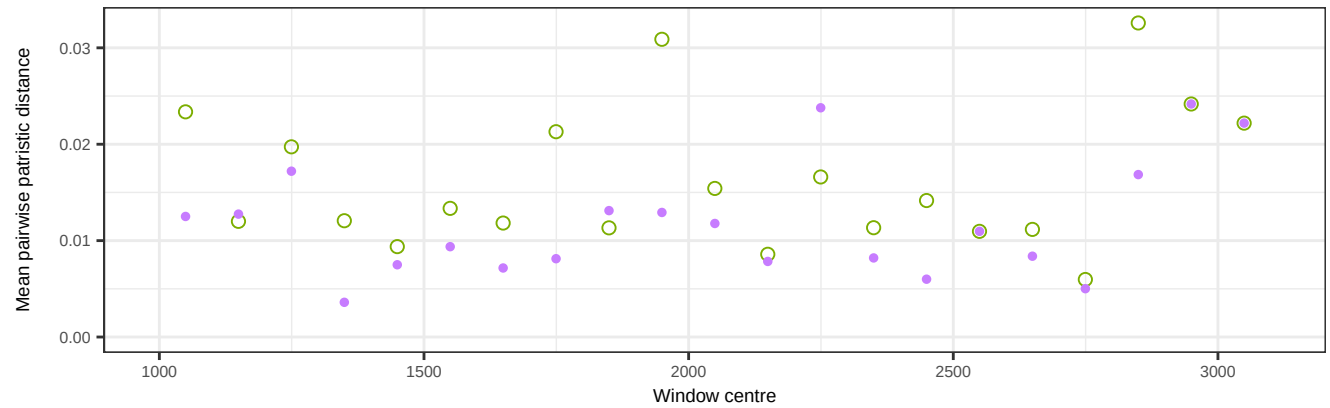

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
10
9
8
7
6
5
4
3
2
1

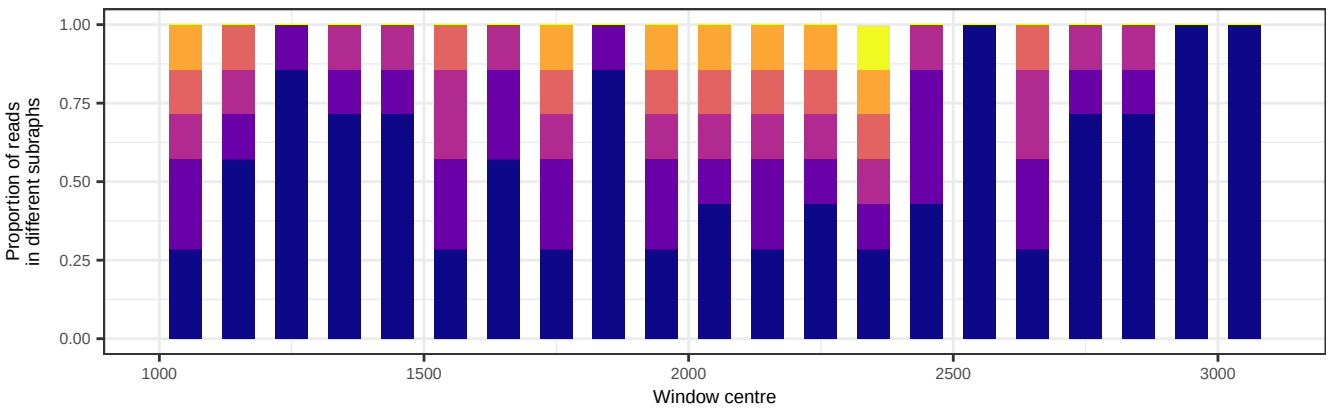
AI007


Tip or read count
7.050
7.025
7.000
6.975
6.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

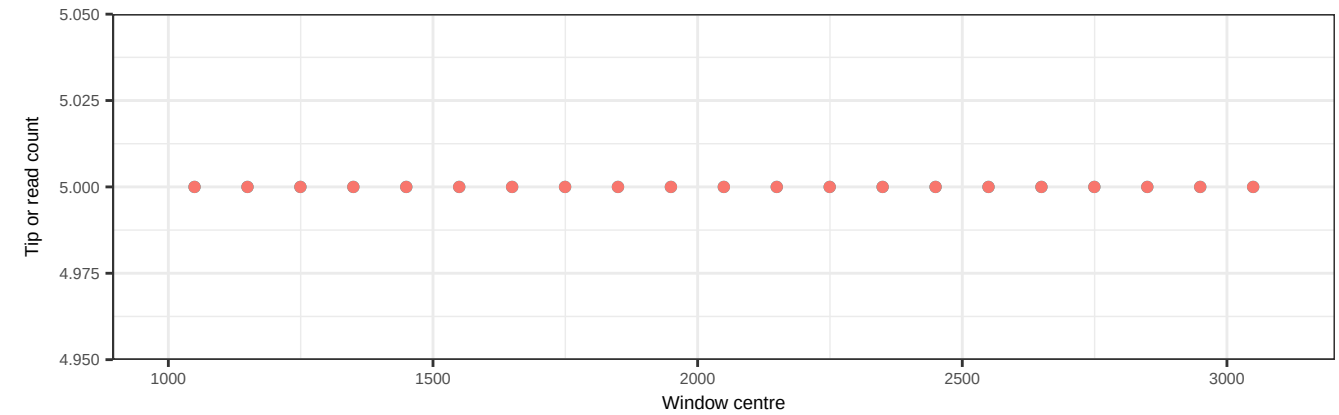

Subgraph or clade count
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

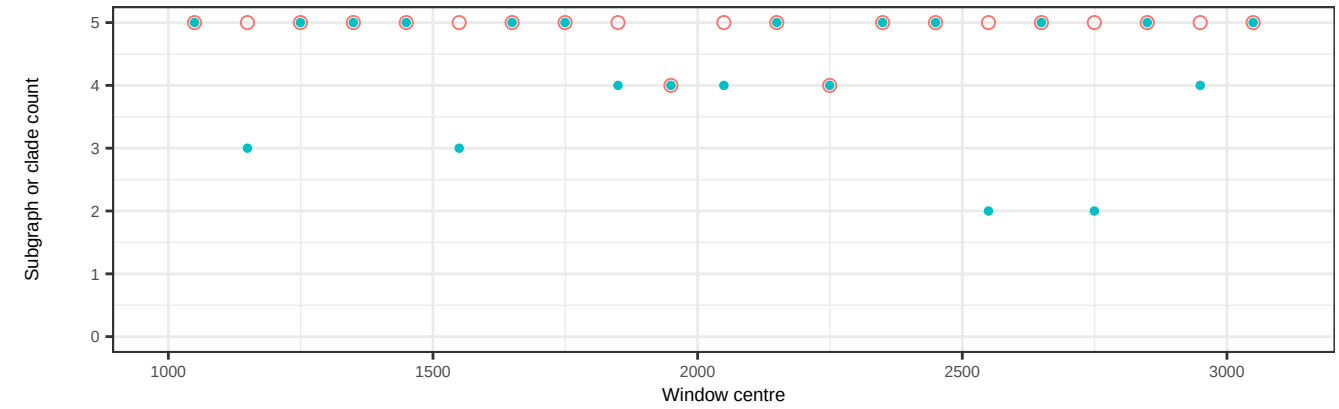

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

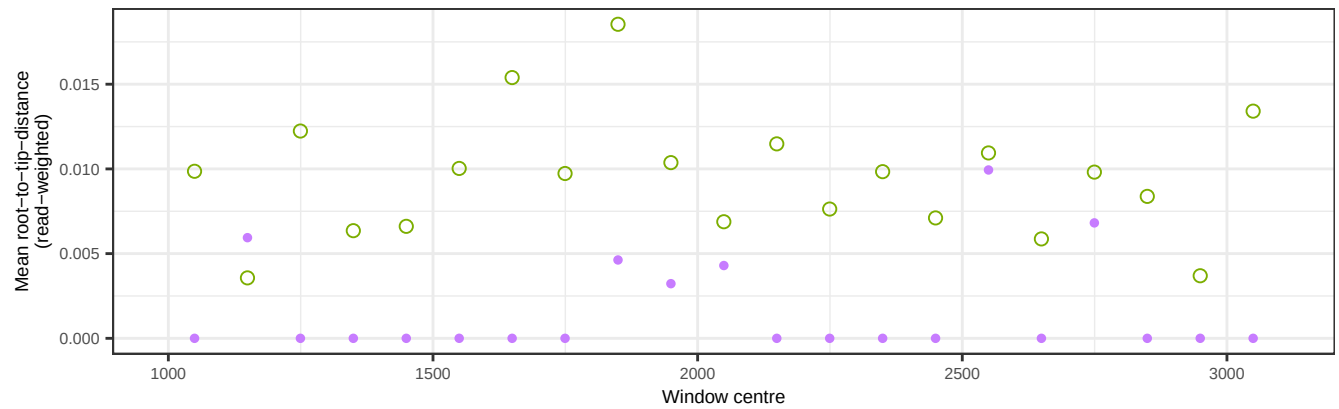

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

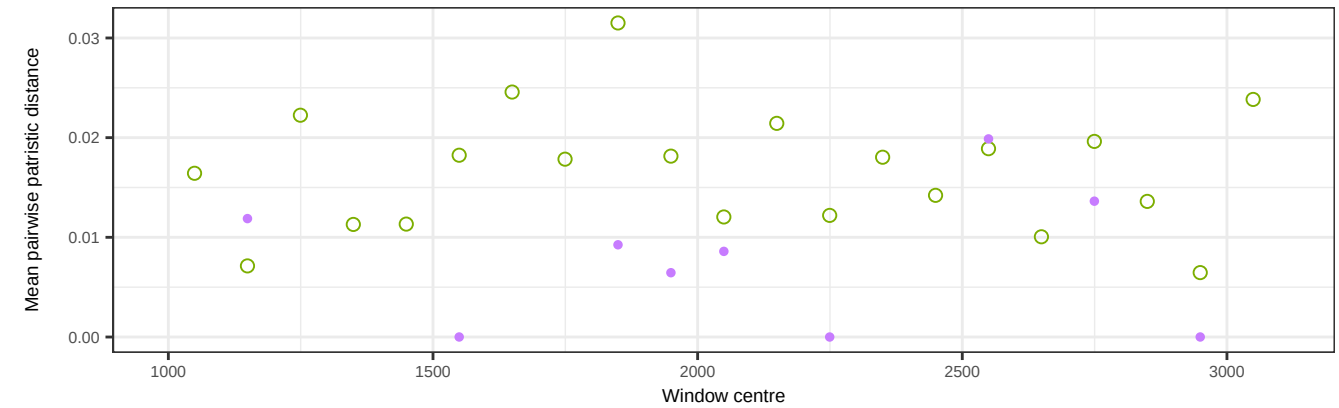

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

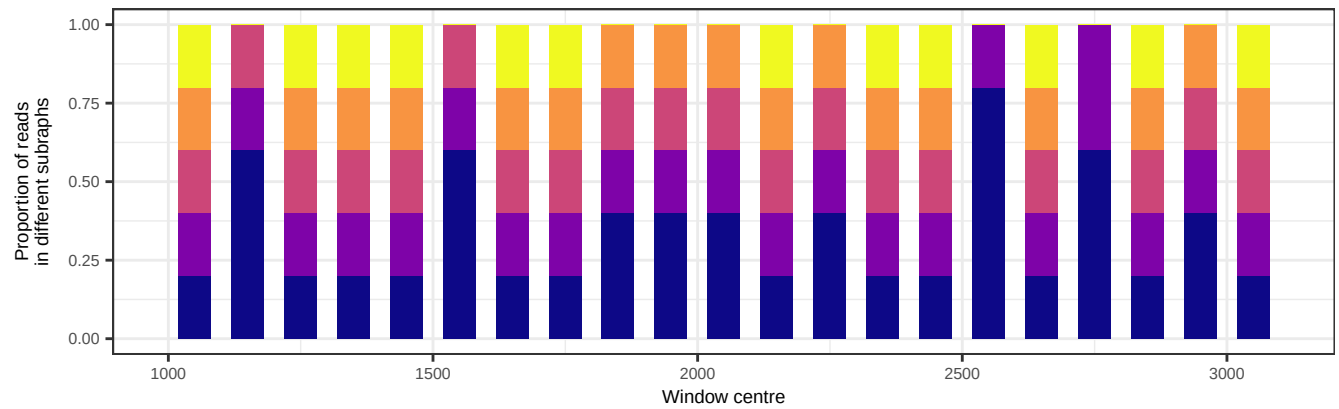
AI052


Tip or read count
5.050
5.025
5.000
4.975
4.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

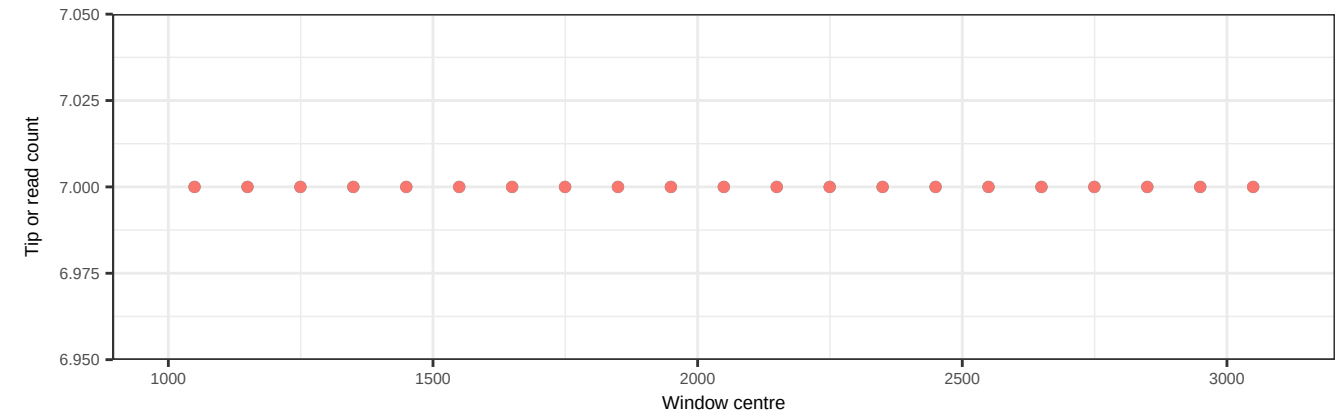

Subgraph or clade count
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

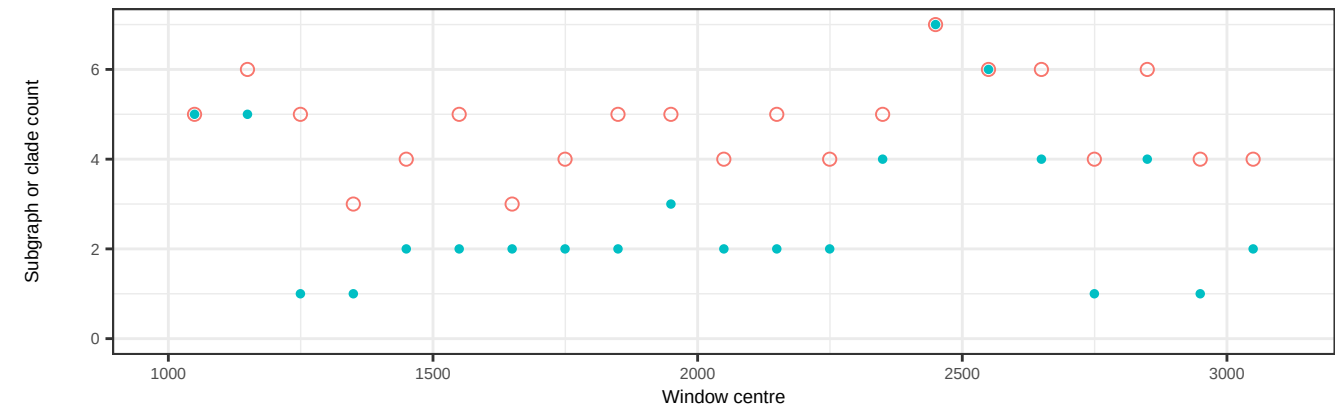

Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

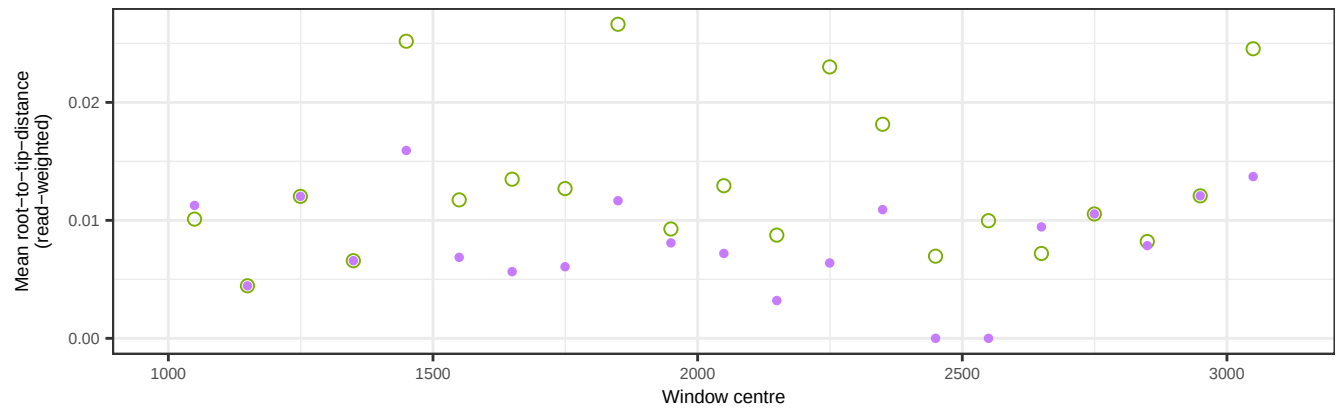

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

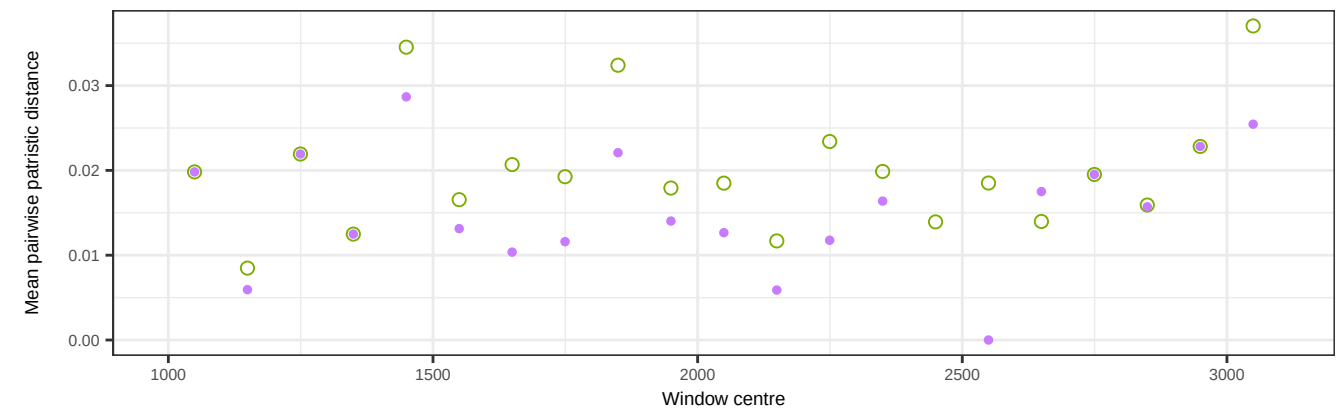

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

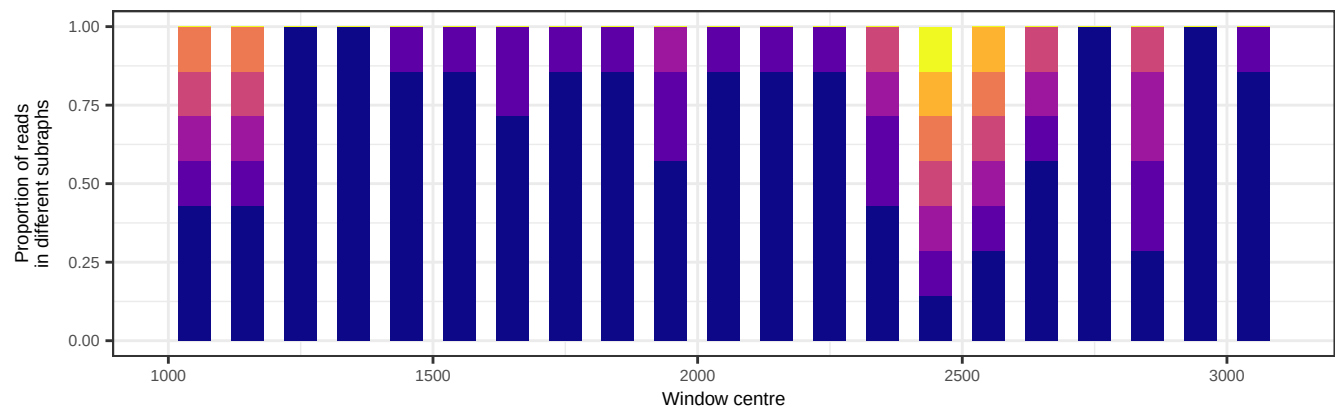
AI102


Tip or read count
7.050
7.025
7.000
6.975
6.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

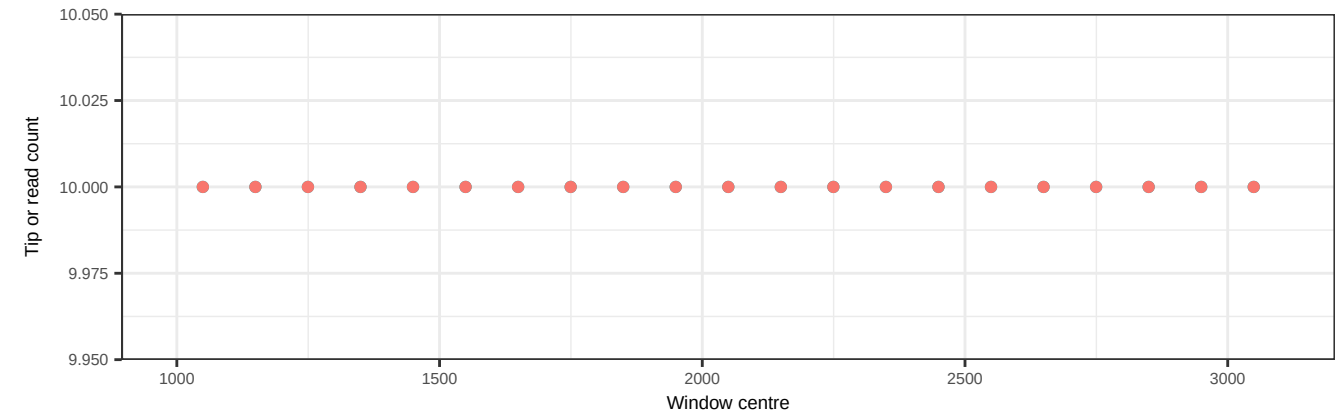

Subgraph or clade count
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

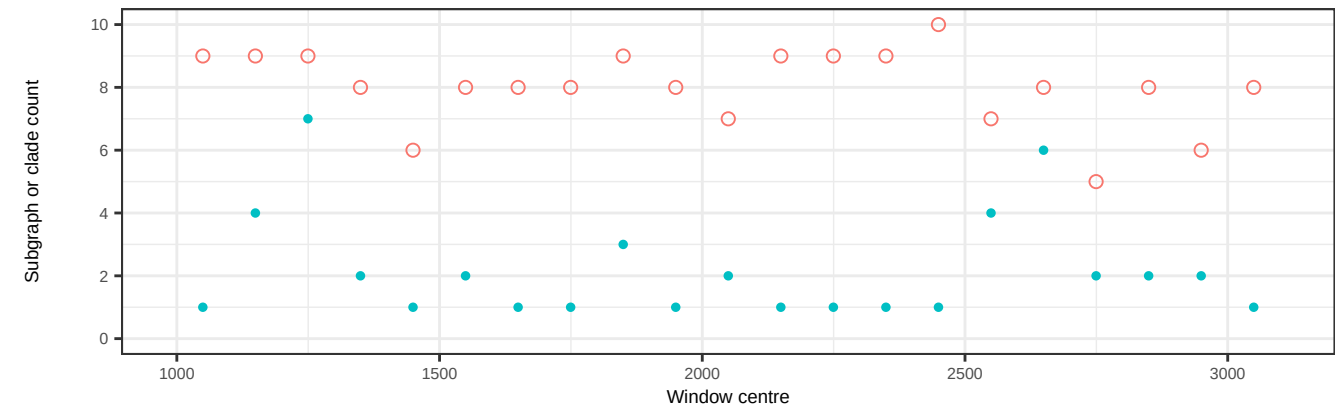

Mean root−to−tip−distance
(read−weighted)
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

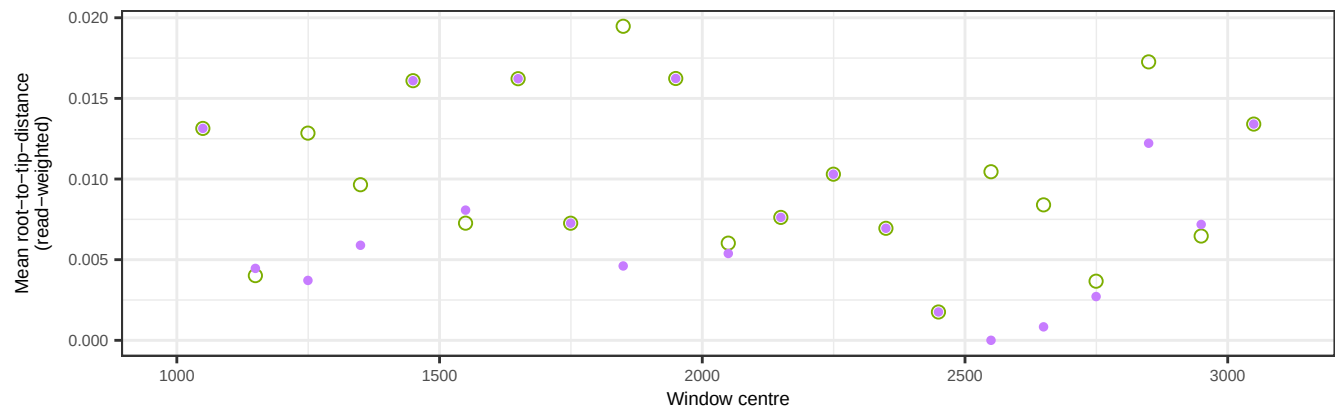

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

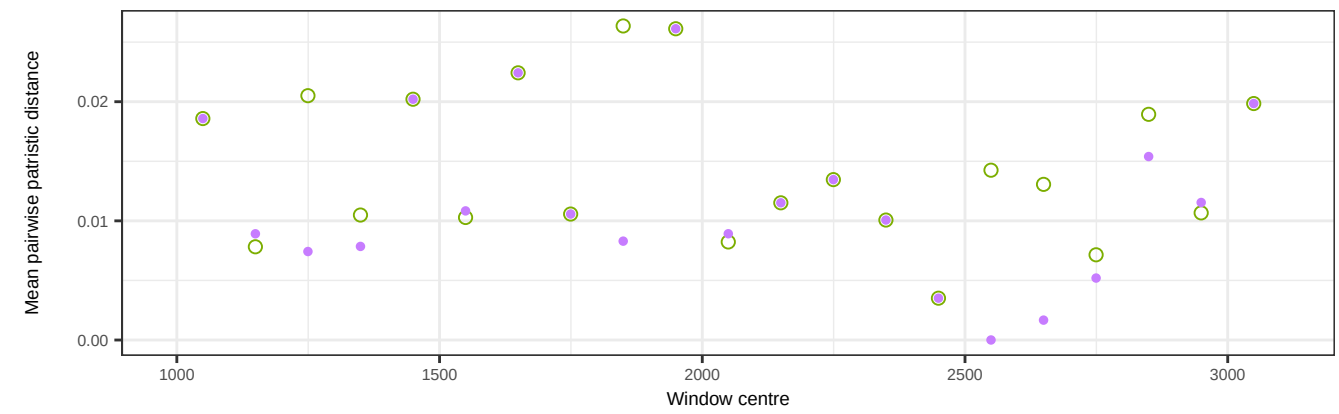

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

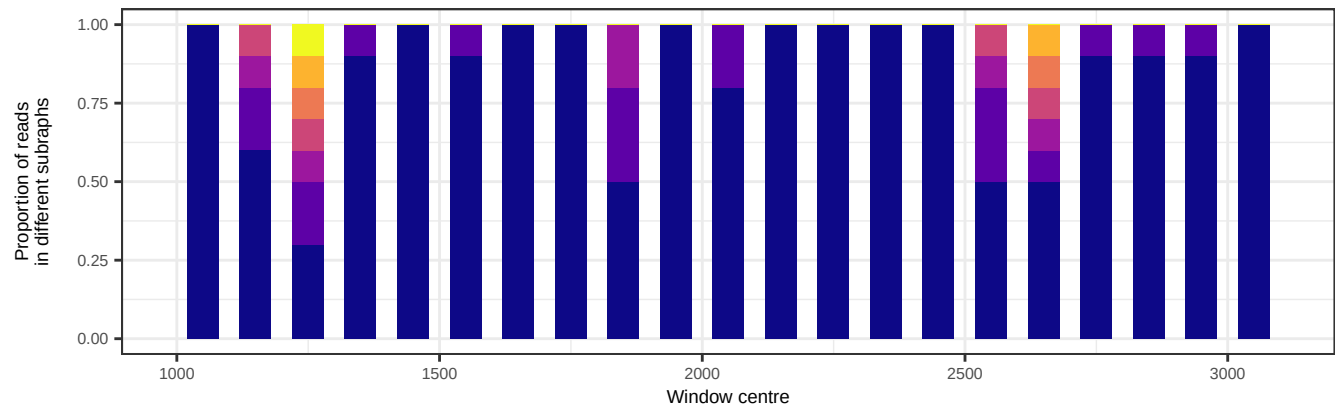
AI105


Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

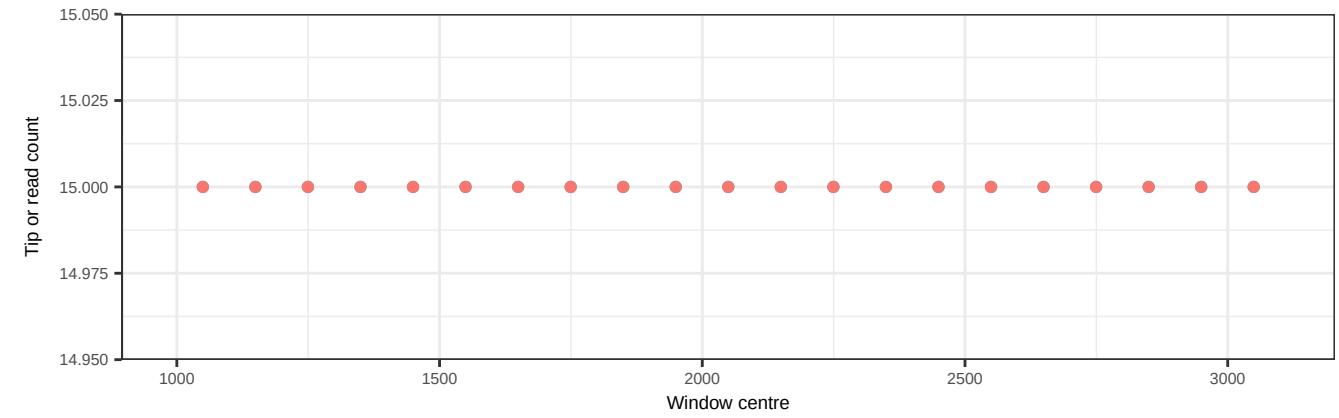

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

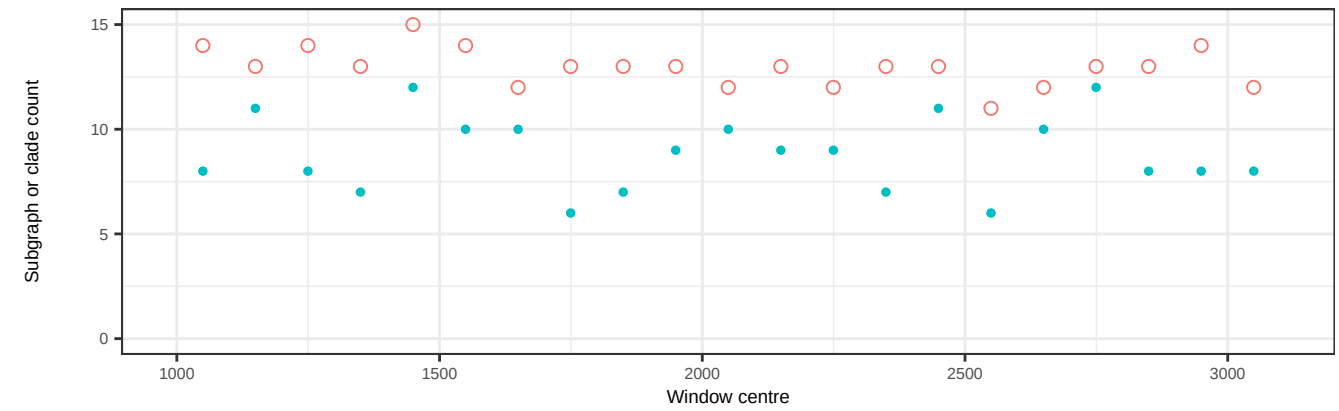

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

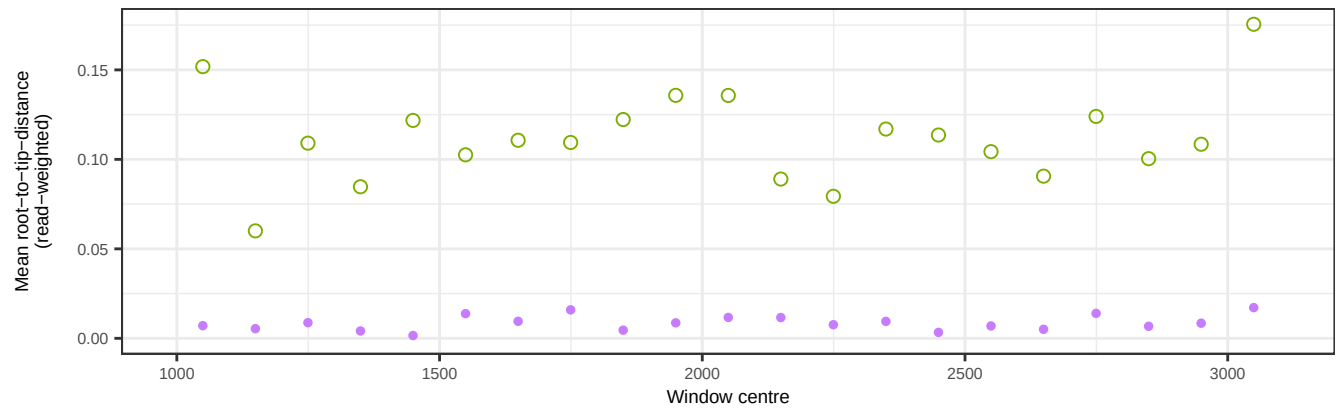

Mean pairwise patristic distance
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

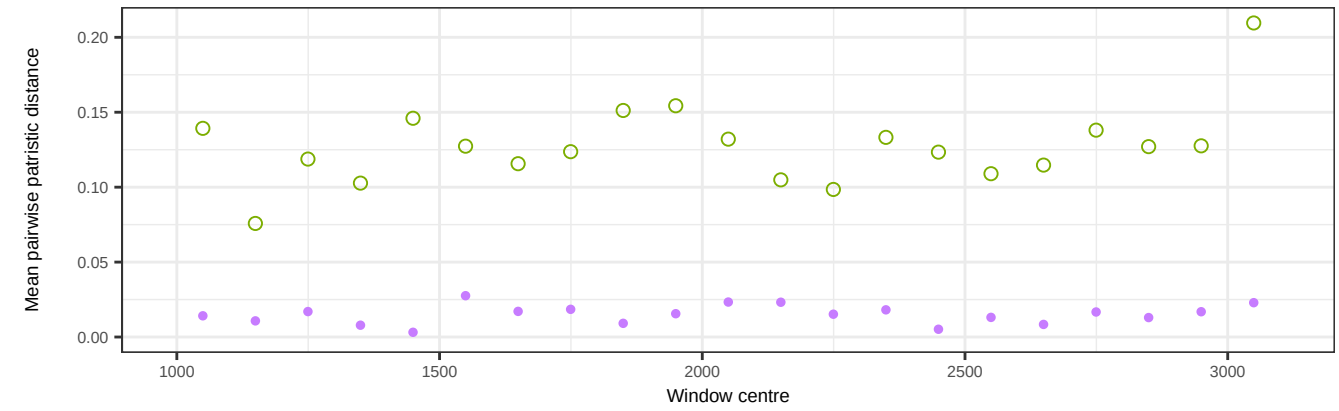

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

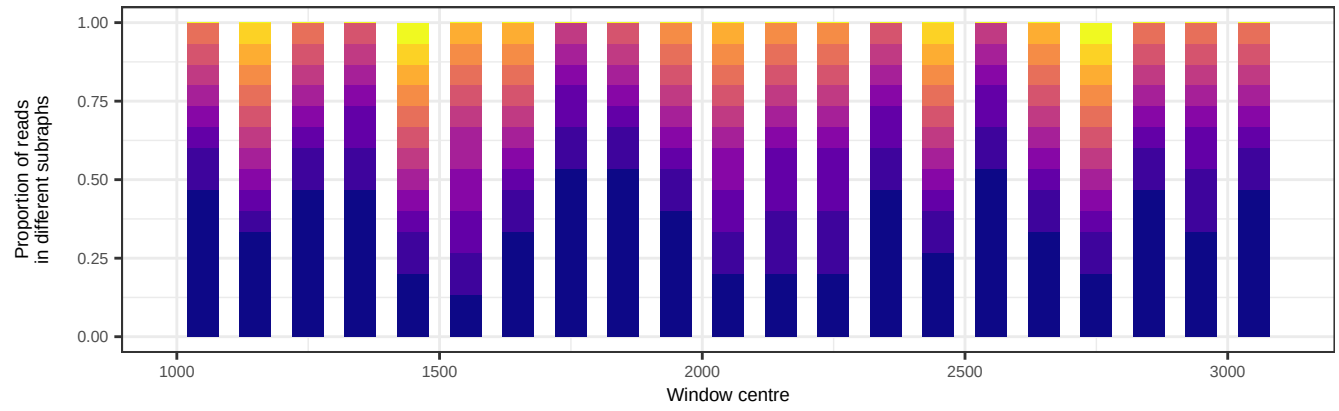
AI107


Tip or read count
15.050
15.025
15.000
14.975
14.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

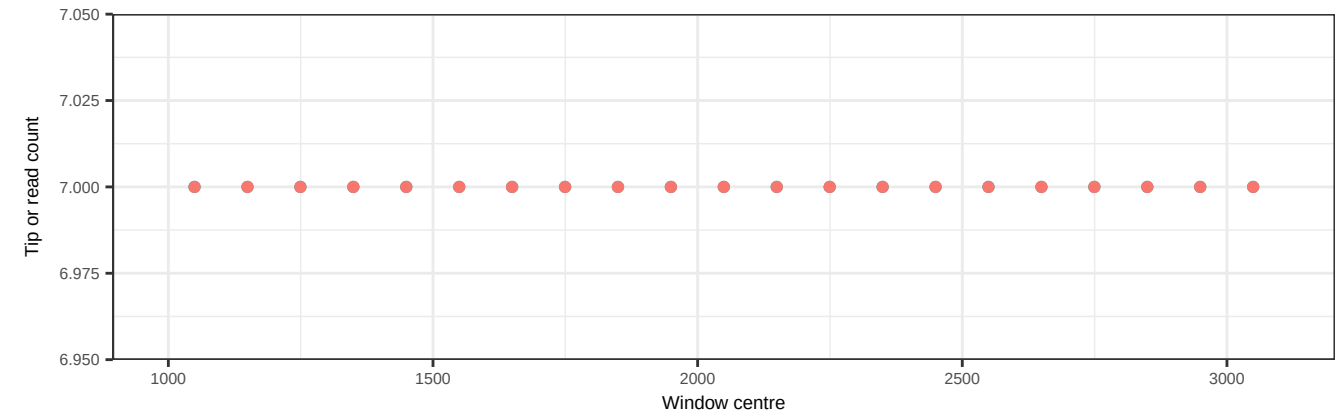

Subgraph or clade count
15
10
5
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

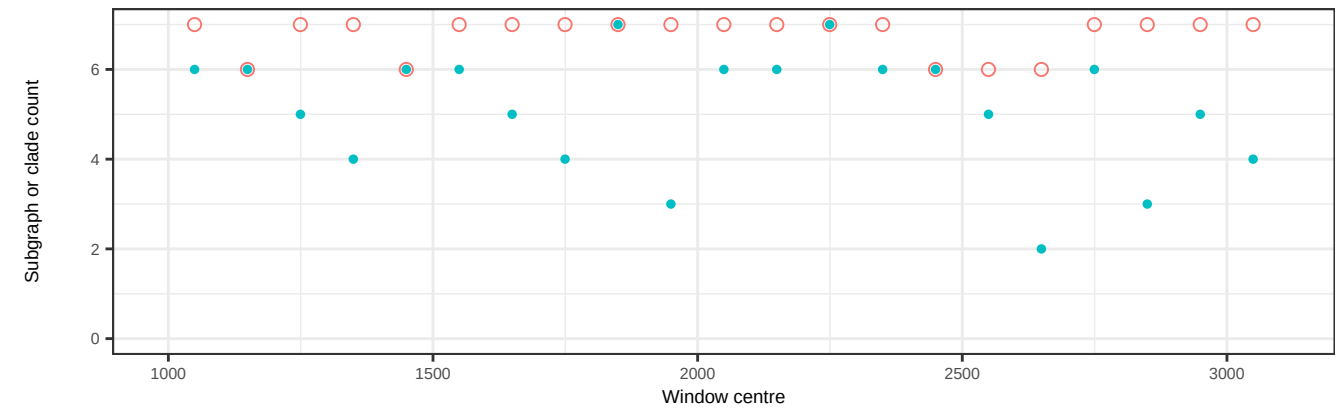

Mean root−to−tip−distance
(read−weighted)
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

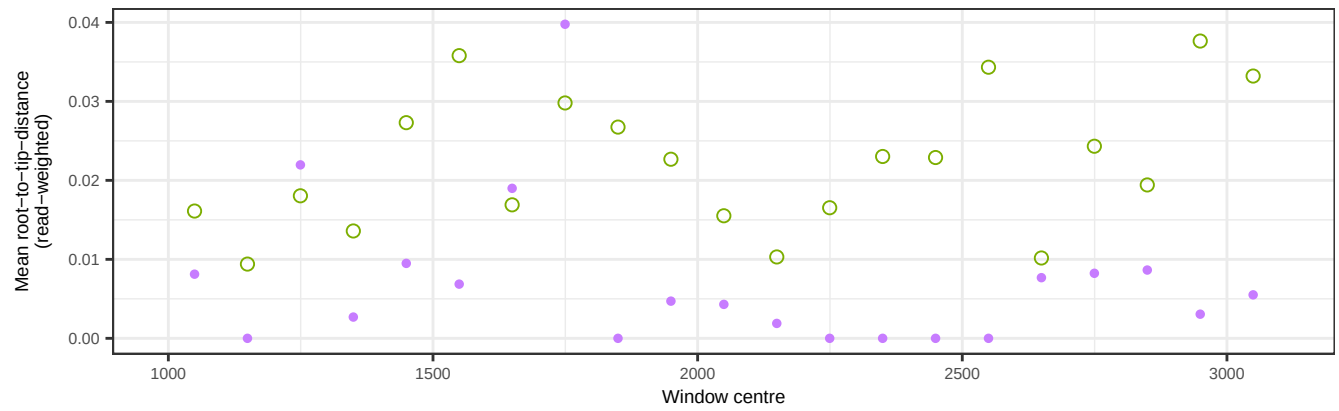

Mean pairwise patristic distance
0.20
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

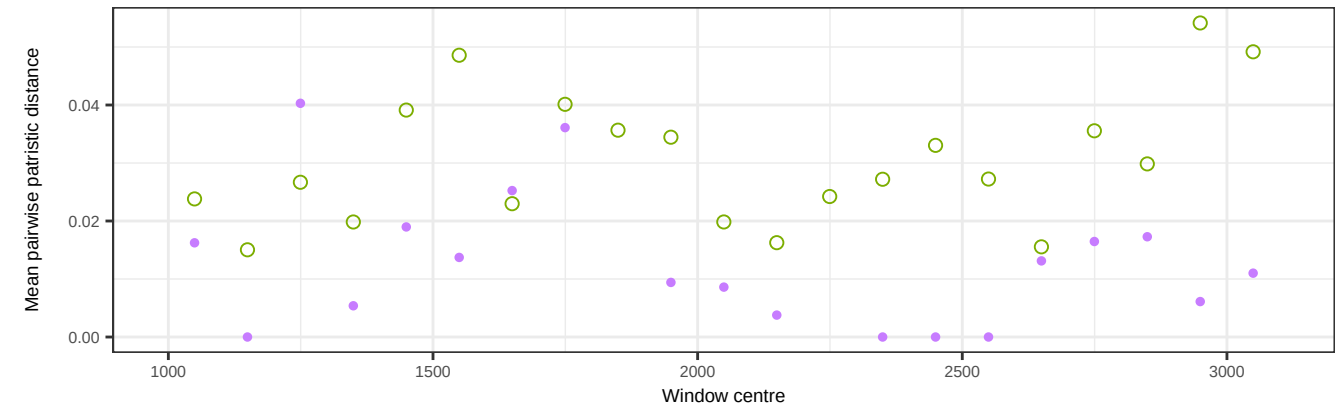

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
12
11
10
9
8
7
6
5
4
3
2
1

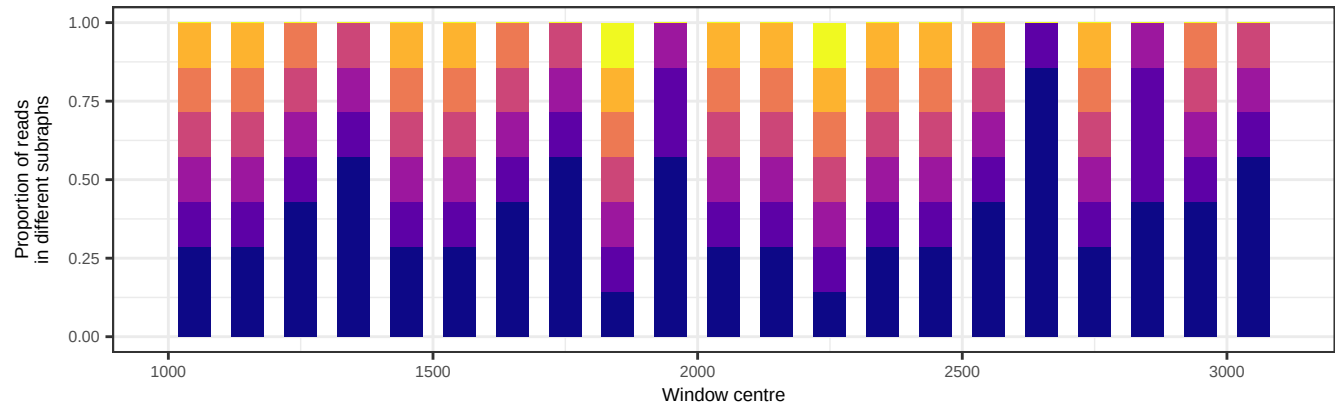
AI142


Tip or read count
7.050
7.025
7.000
6.975
6.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

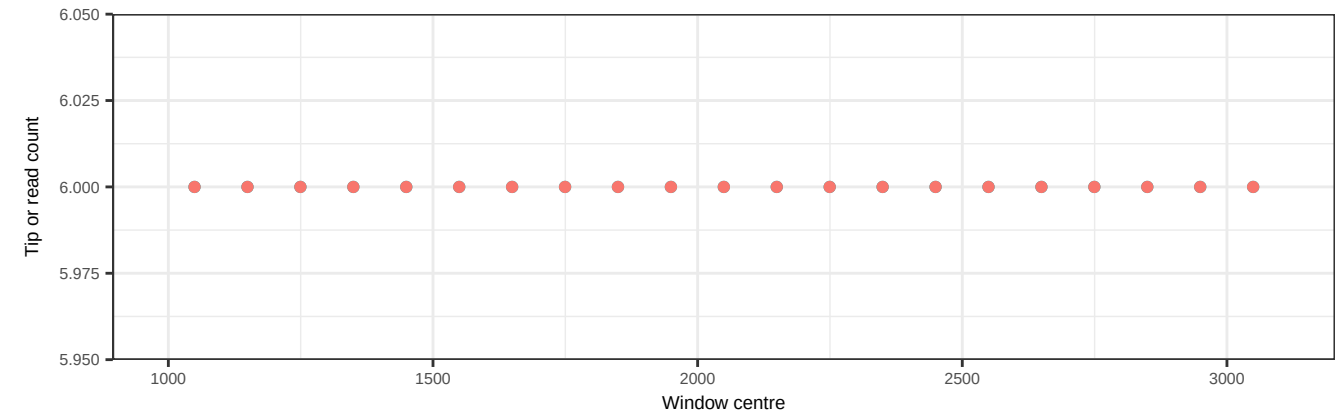

Subgraph or clade count
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

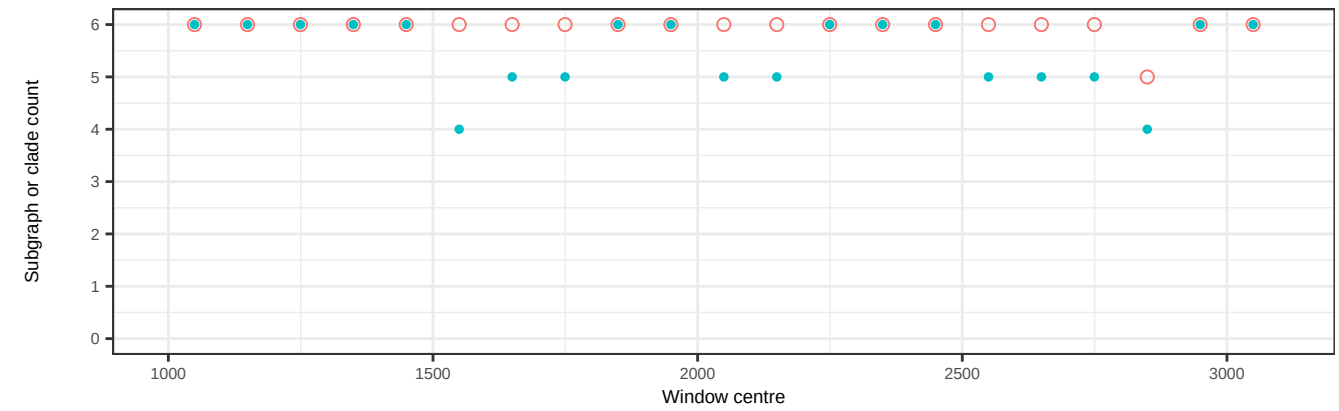

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

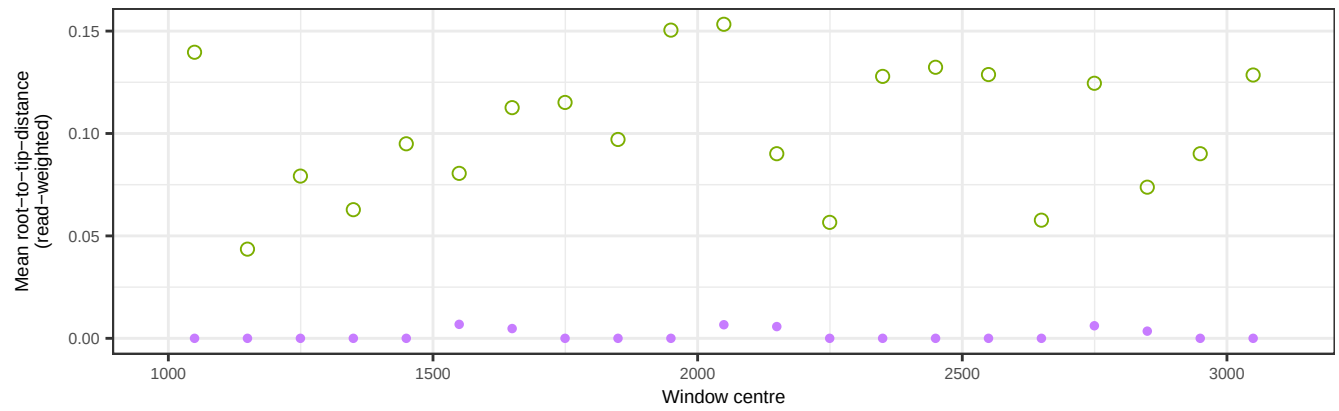

Mean pairwise patristic distance
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

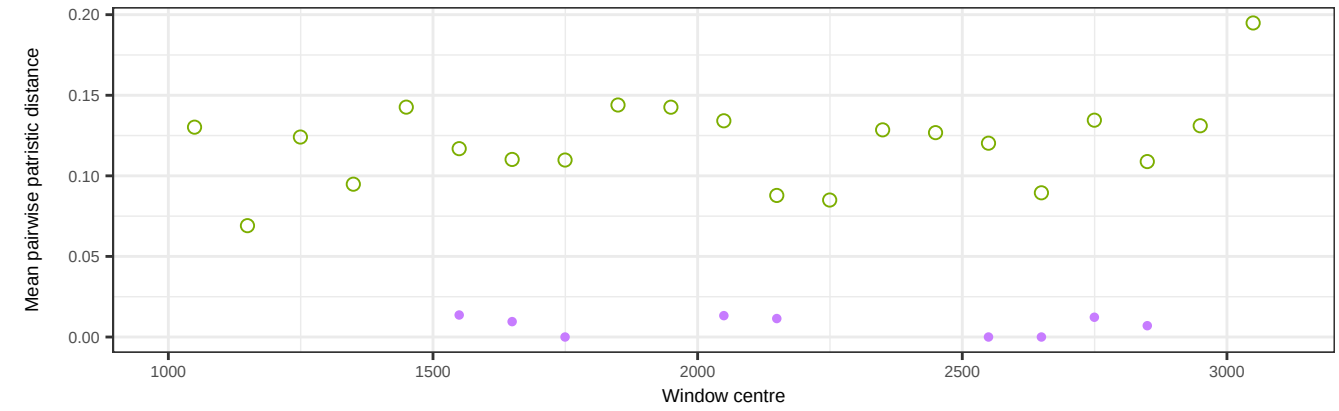

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

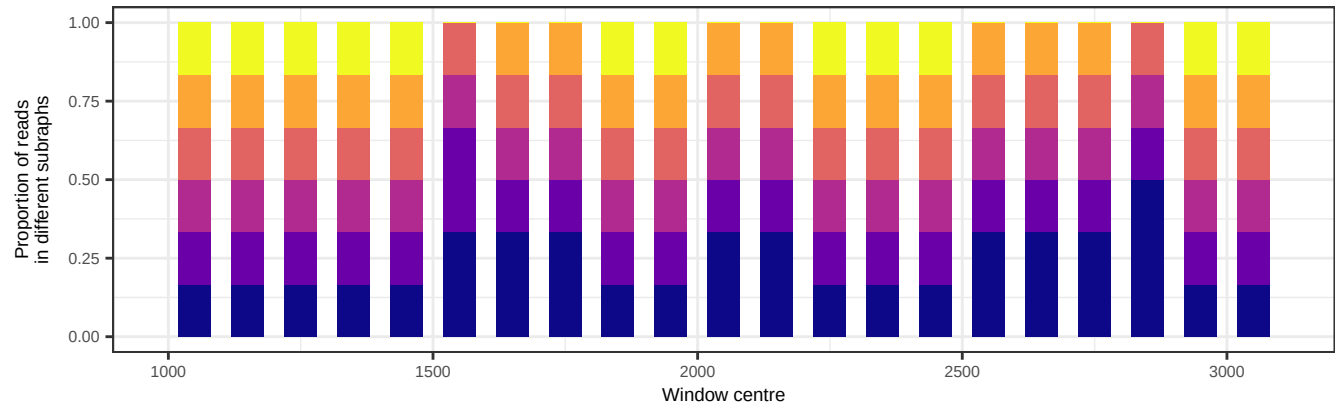
AI201


Tip or read count
6.050
6.025
6.000
5.975
5.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

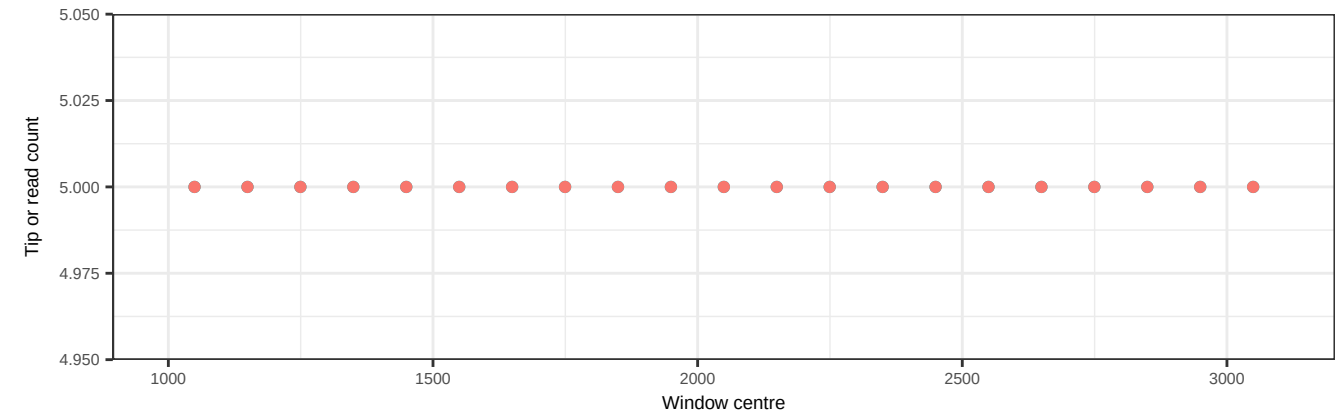

Subgraph or clade count
6
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

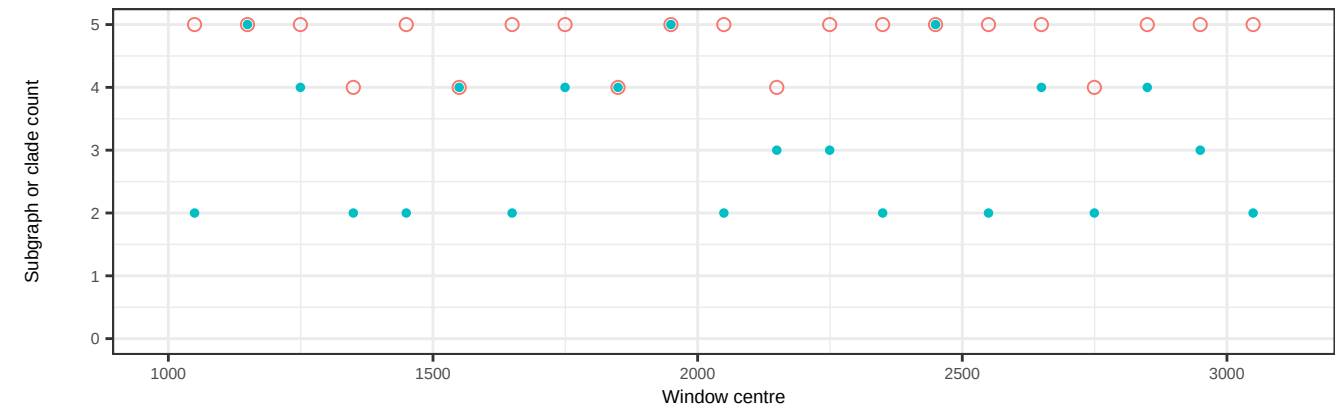

Mean root−to−tip−distance
(read−weighted)
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

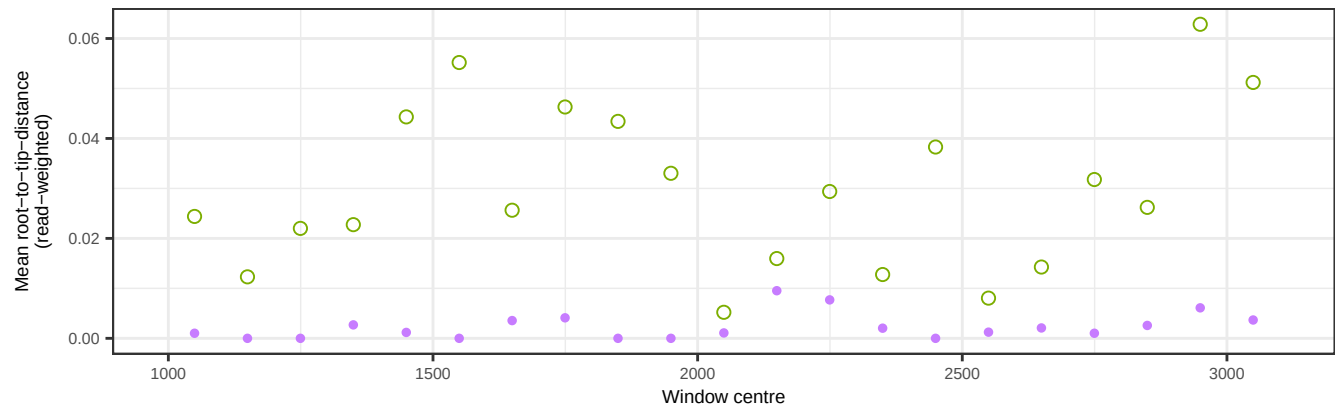

Mean pairwise patristic distance
0.20
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

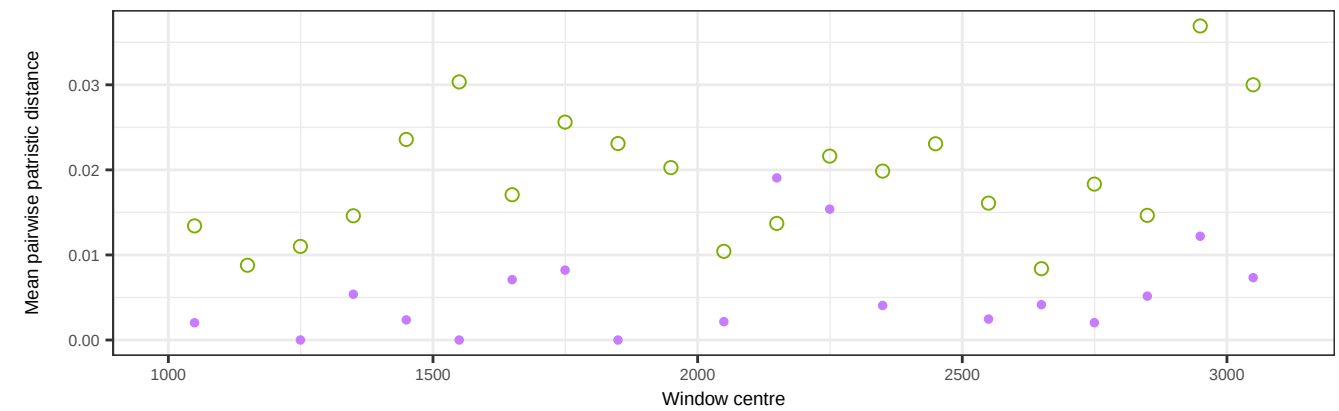

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

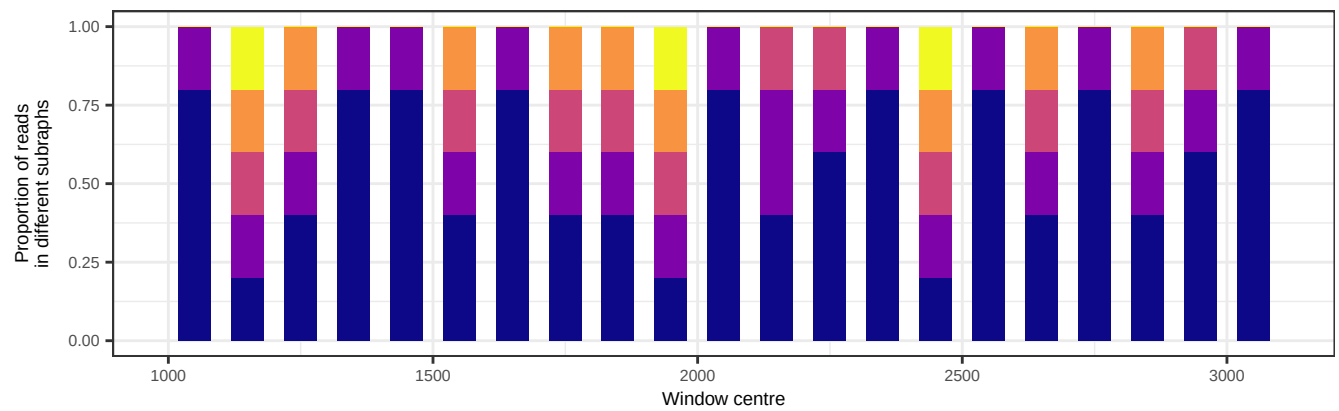
AI202


Tip or read count
5.050
5.025
5.000
4.975
4.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

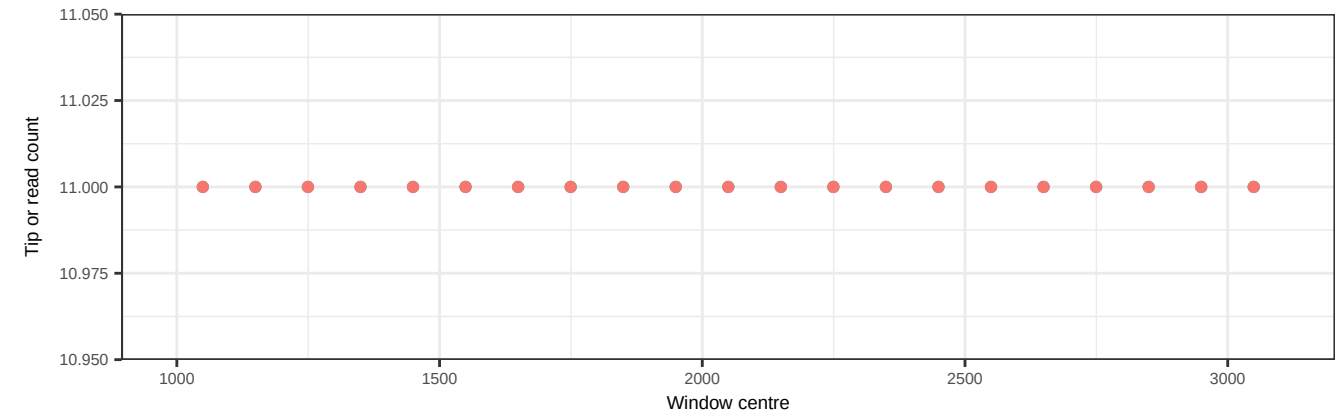

Subgraph or clade count
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

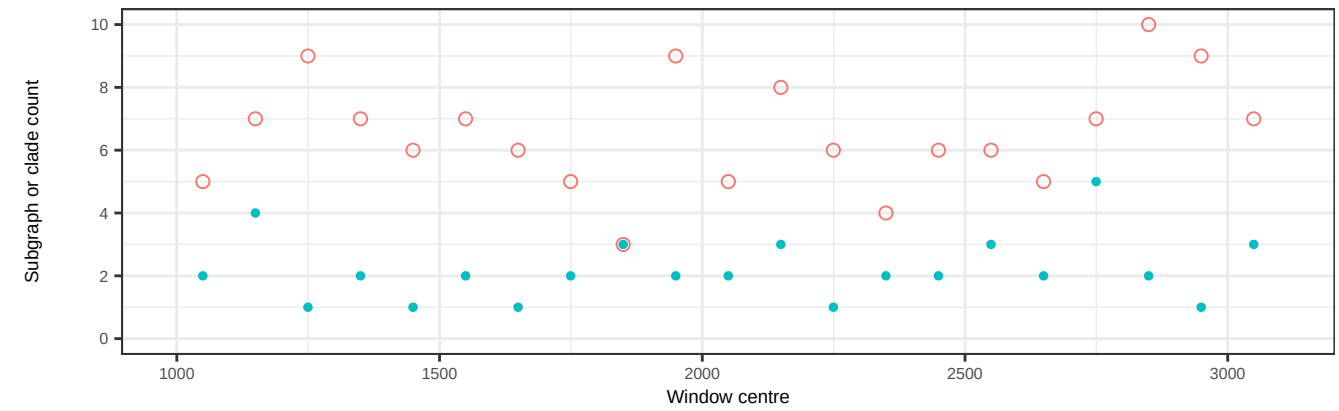

Mean root−to−tip−distance
(read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

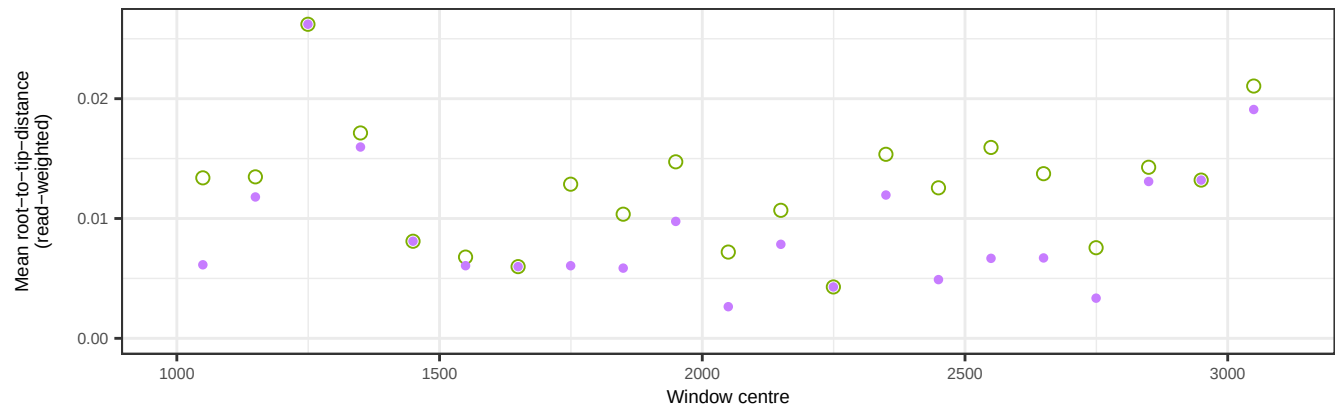

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

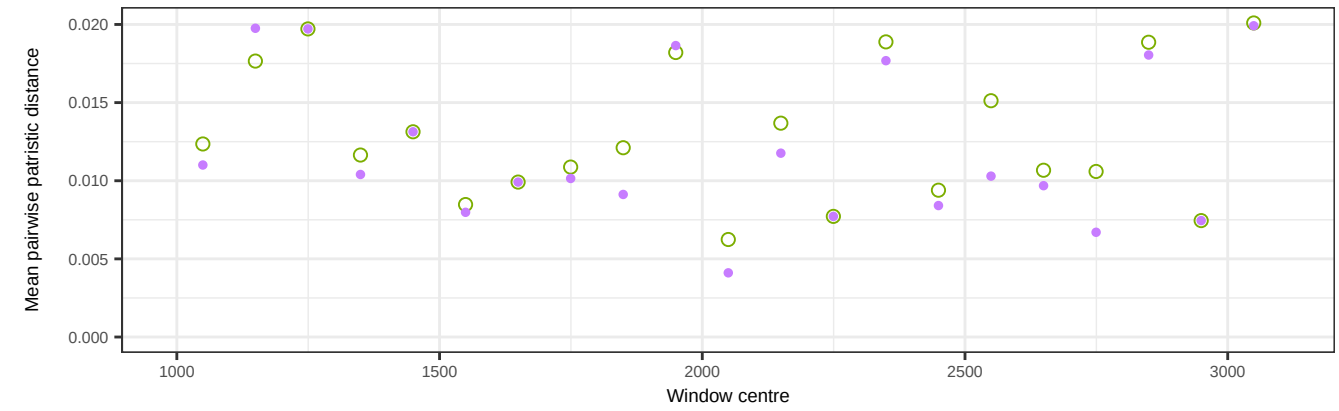

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

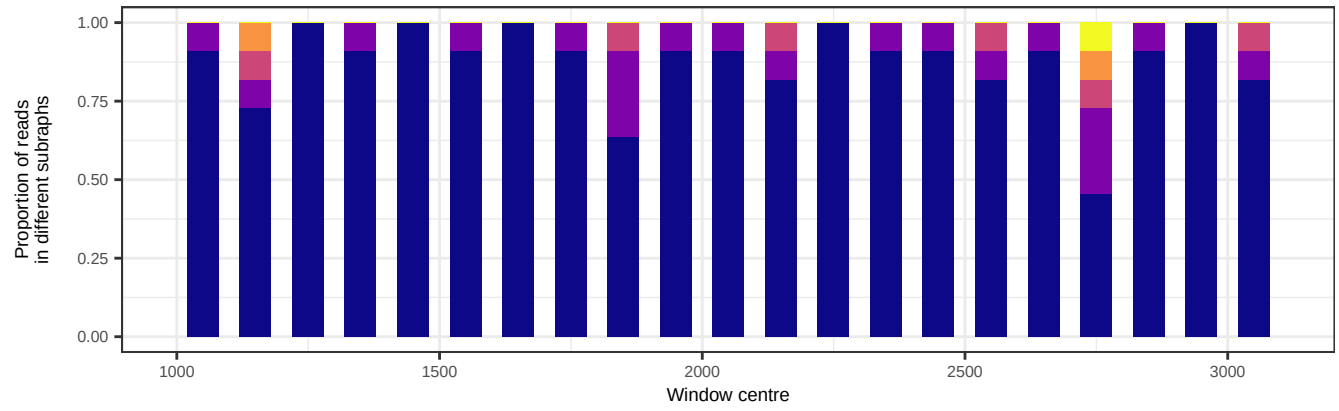
AI240


Tip or read count
11.050
11.025
11.000
10.975
10.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

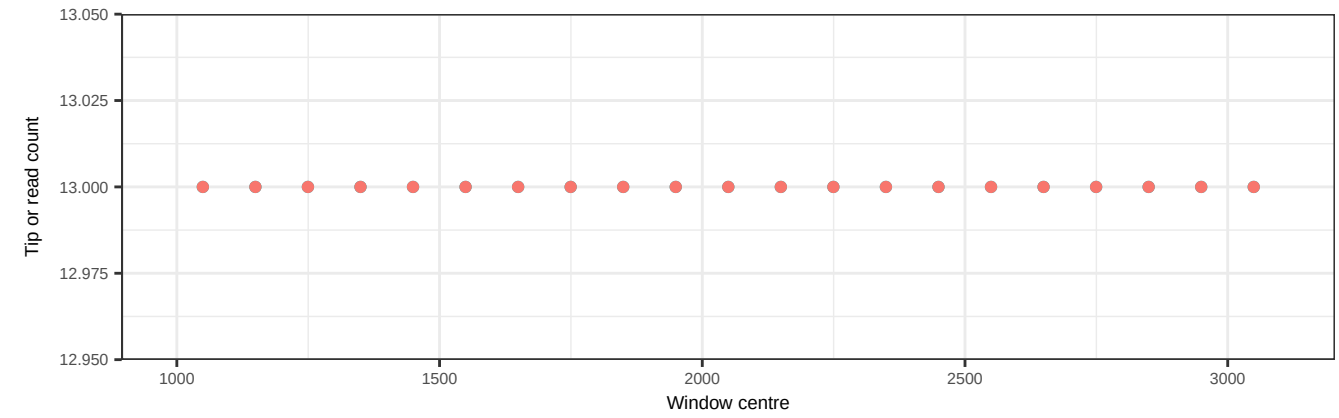

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

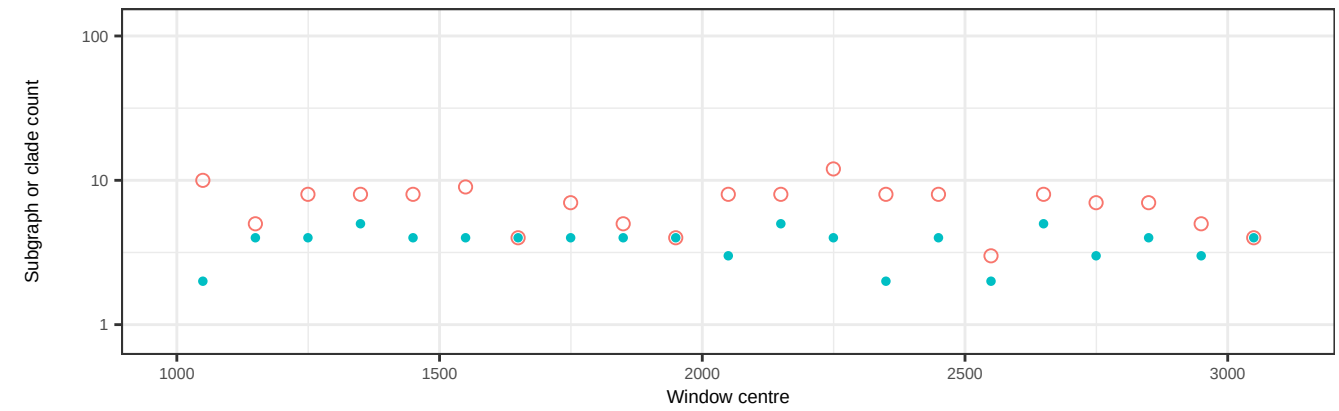

Mean root−to−tip−distance
(read−weighted)
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

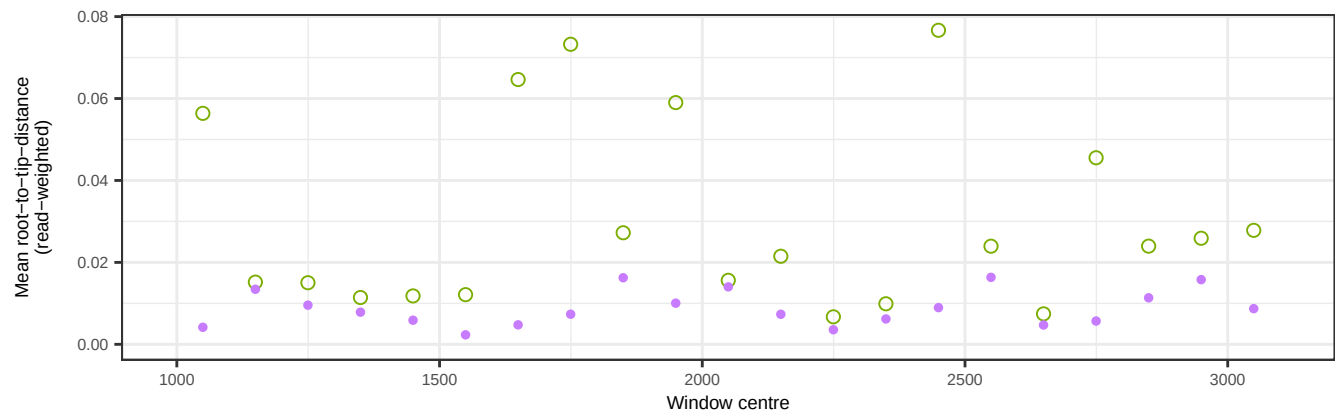

Mean pairwise patristic distance
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

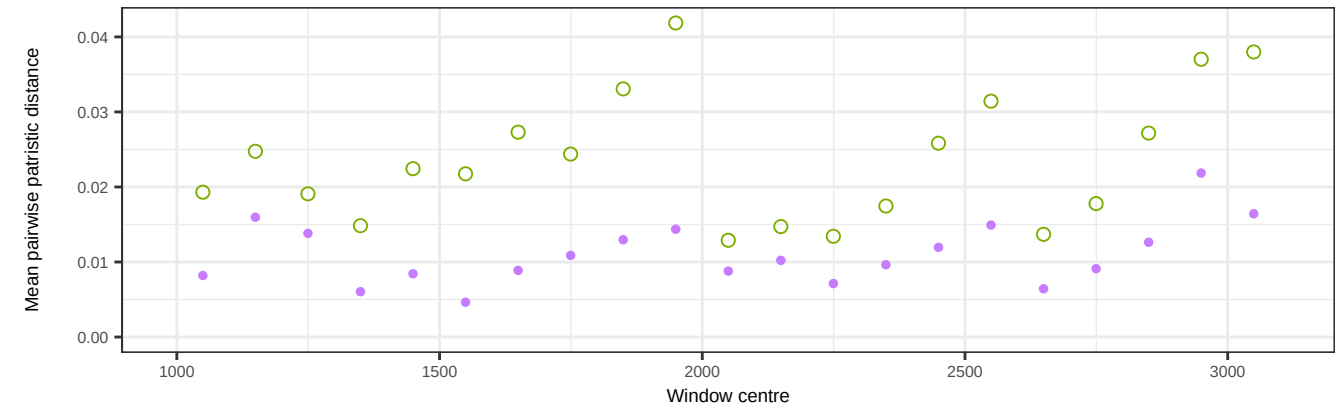

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

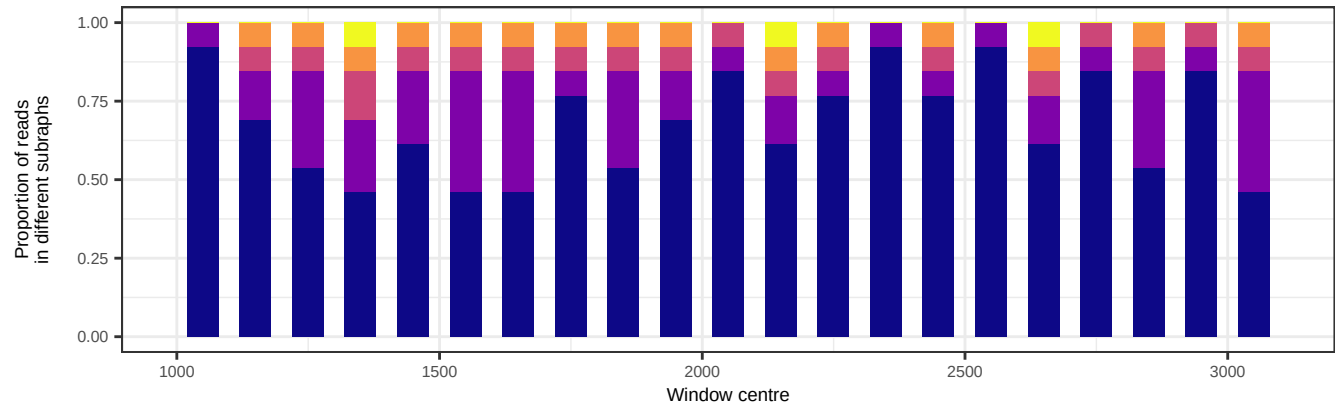
AI283


Tip or read count
13.050
13.025
13.000
12.975
12.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

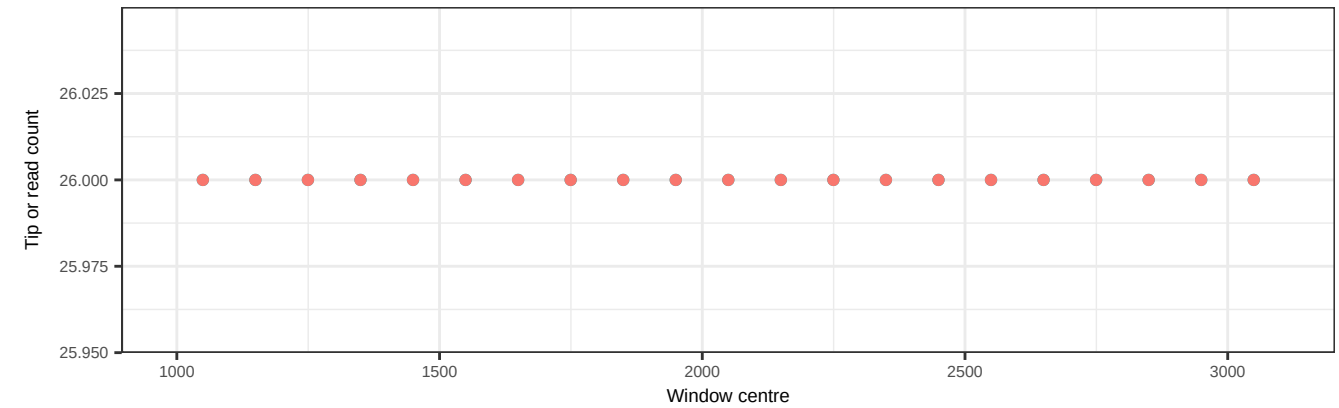

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

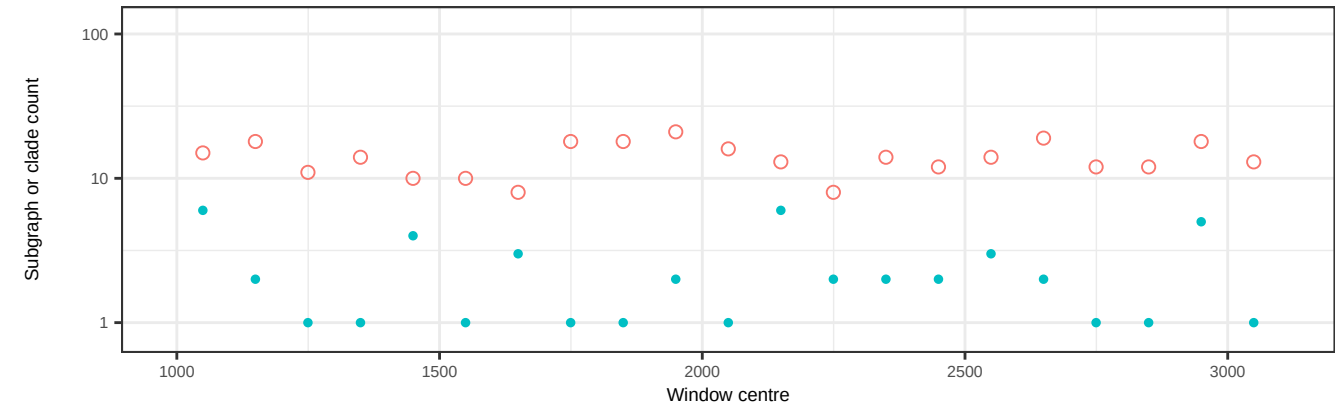

Mean root−to−tip−distance
(read−weighted)
0.08
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

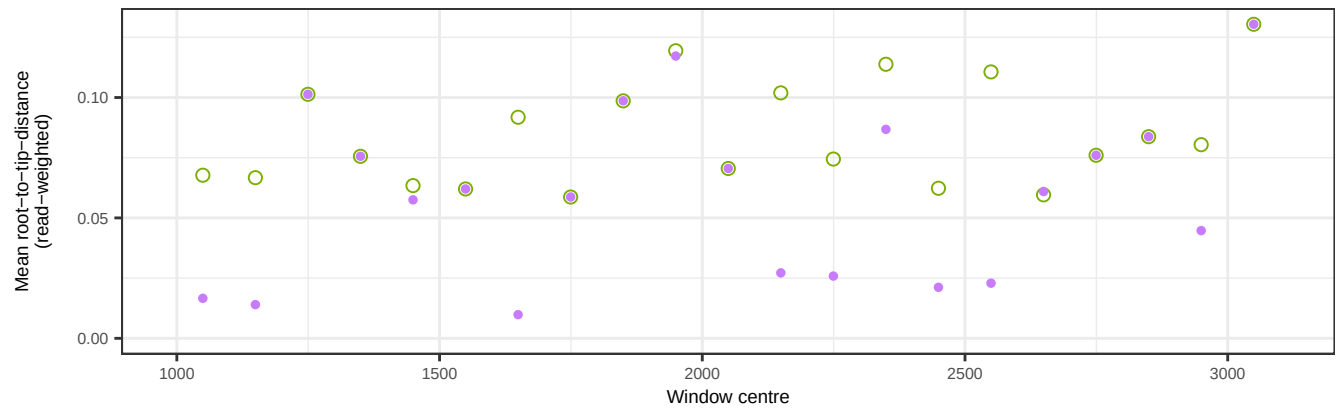

Mean pairwise patristic distance
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

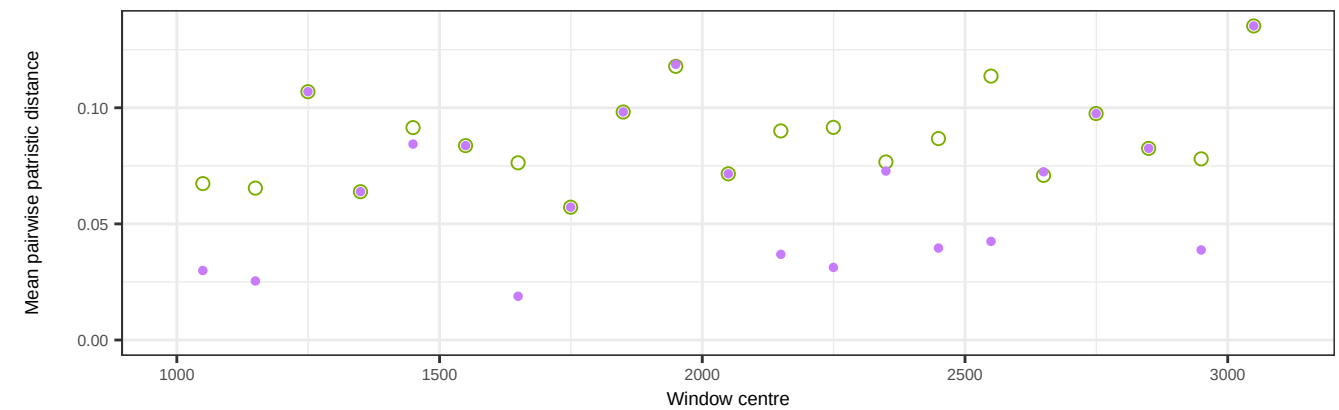

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

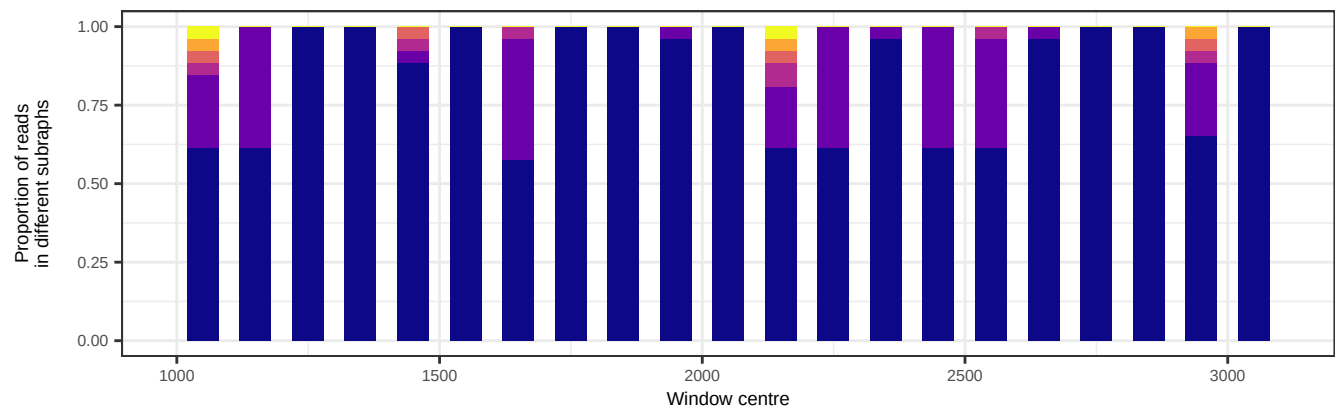
AJ199


Tip or read count
26.025
26.000
25.975
25.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

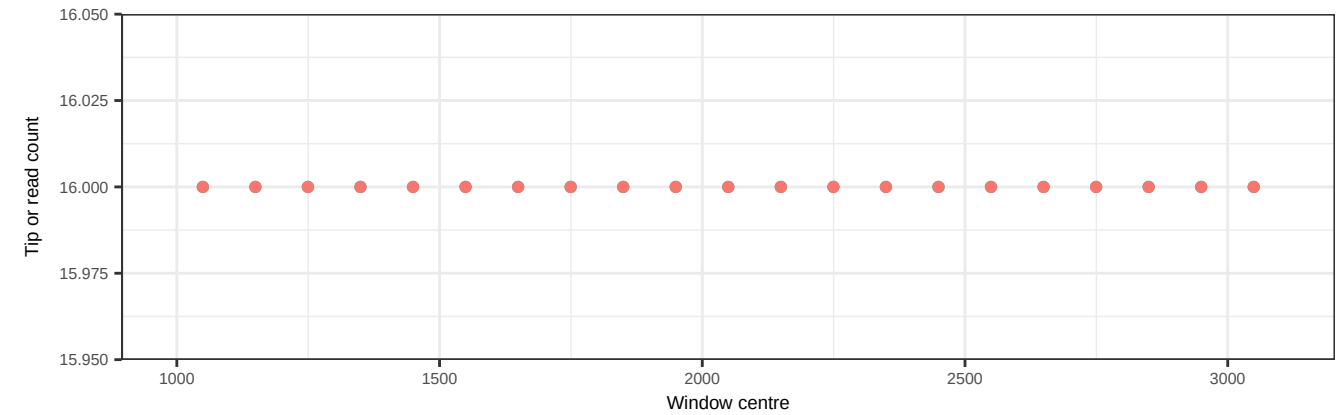

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

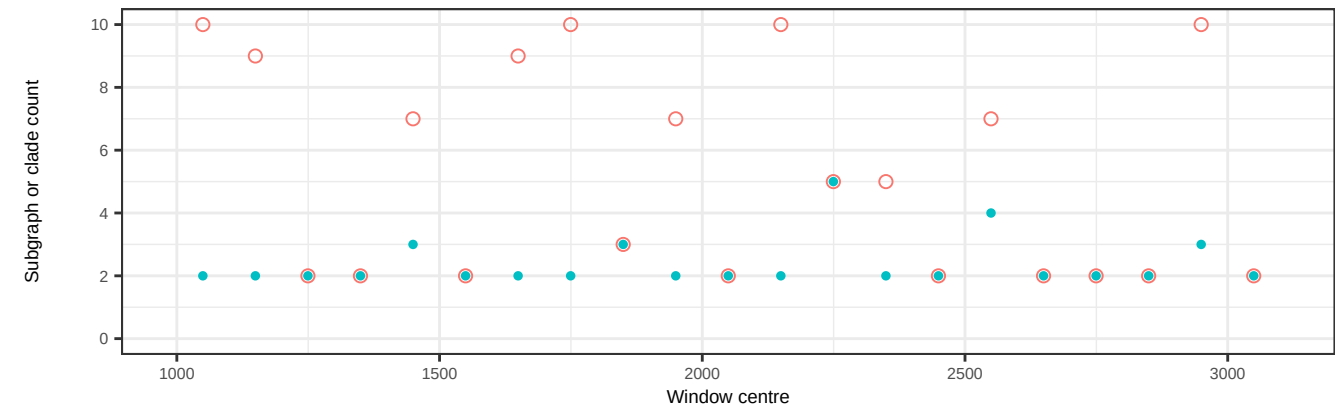

Mean root−to−tip−distance
(read−weighted)
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

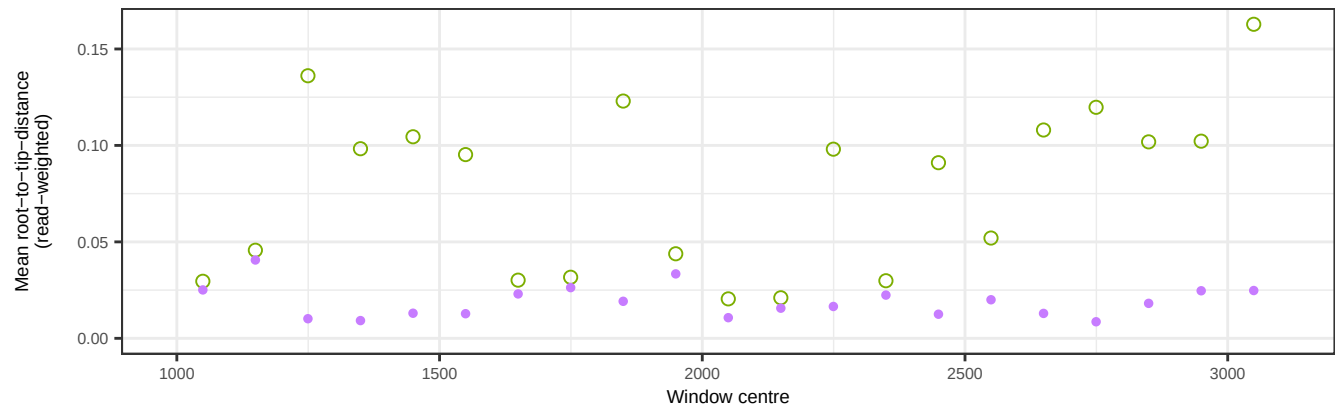

Mean pairwise patristic distance
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

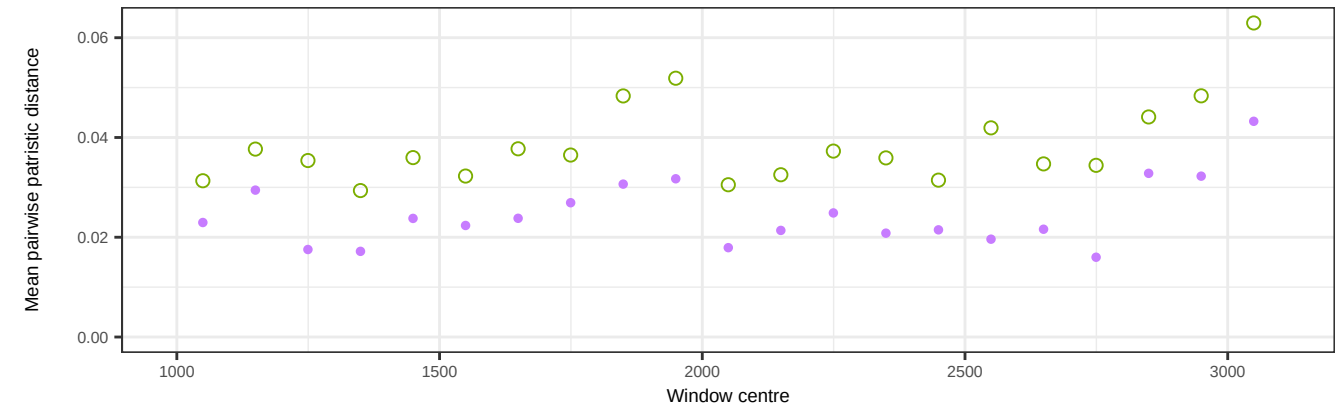

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

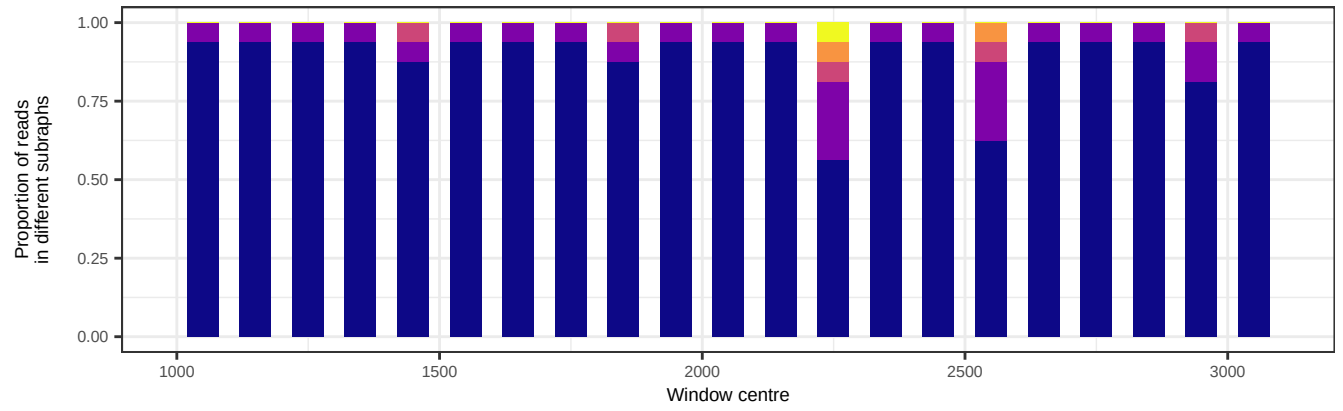
AJ6


Tip or read count
16.050
16.025
16.000
15.975
15.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

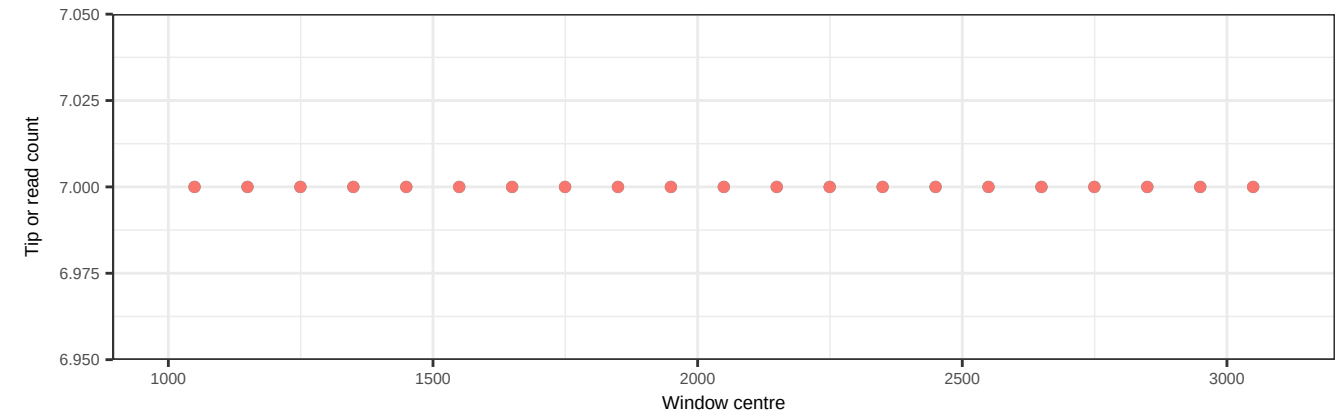

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

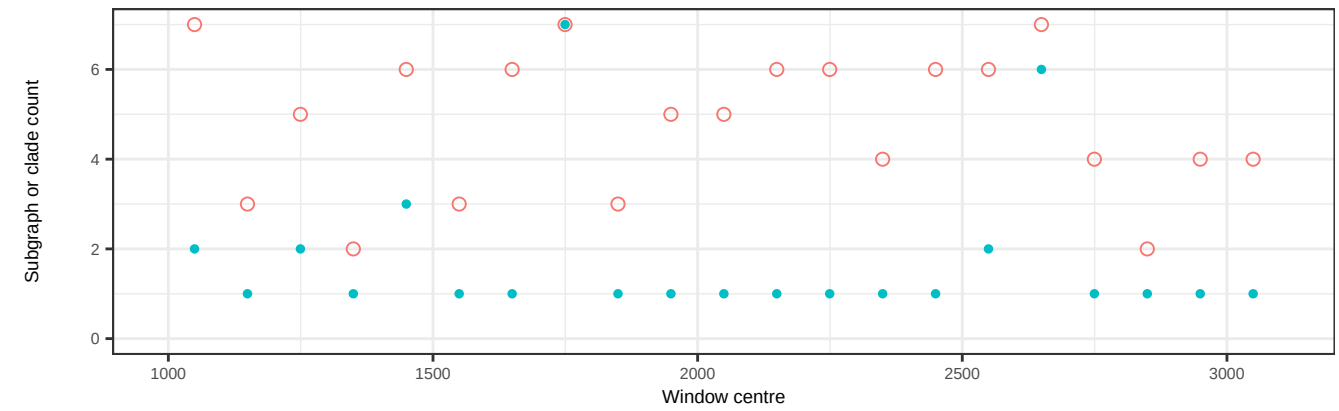

Mean root−to−tip−distance
(read−weighted)
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

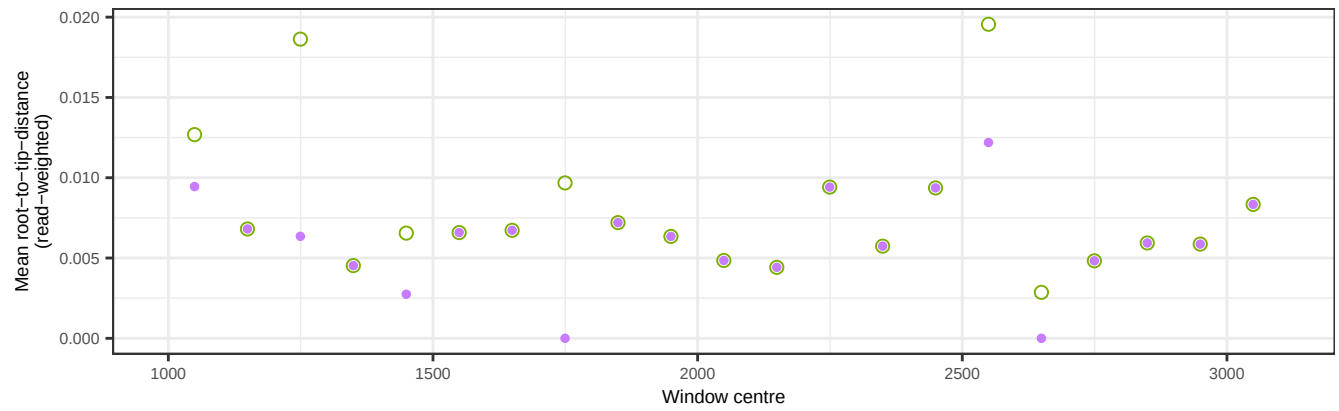

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

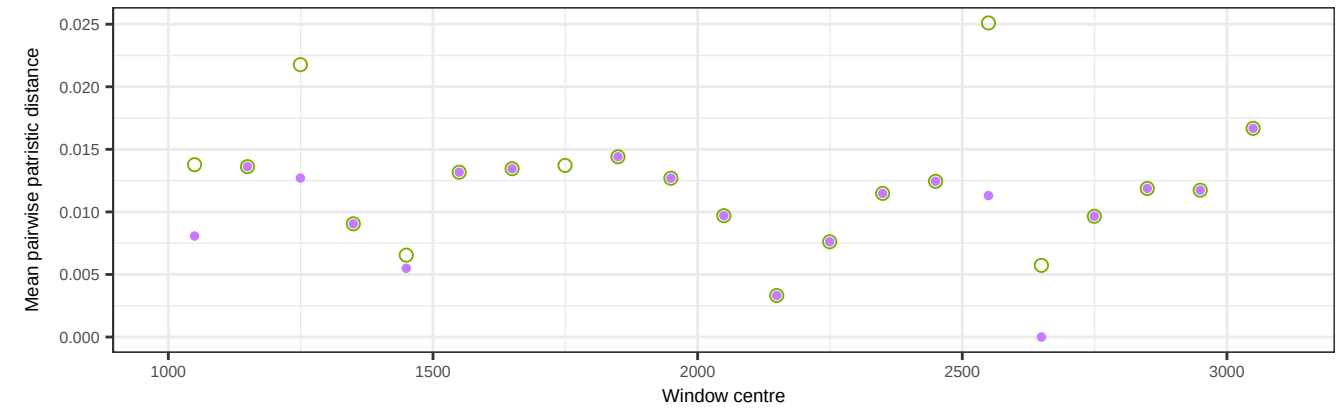

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

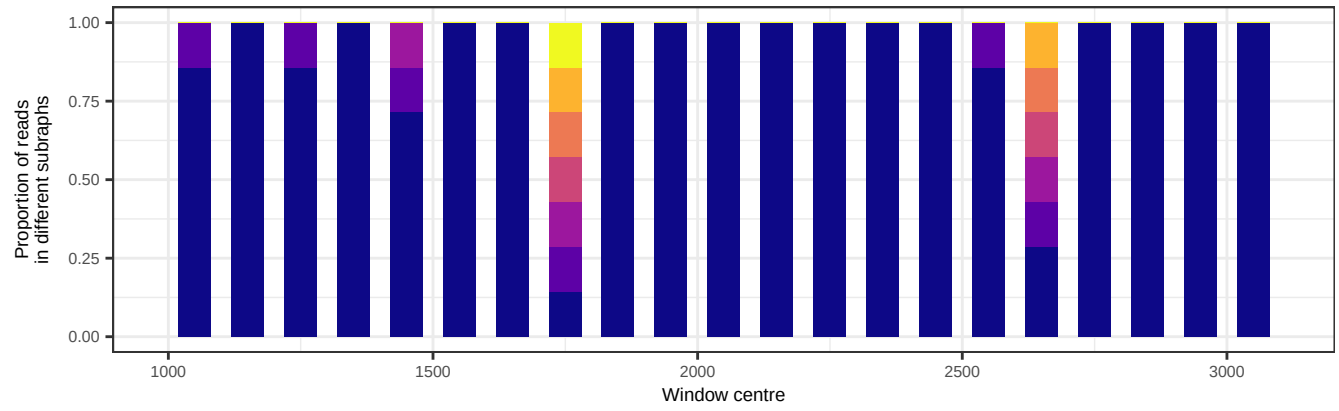
AJ86


Tip or read count
7.050
7.025
7.000
6.975
6.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

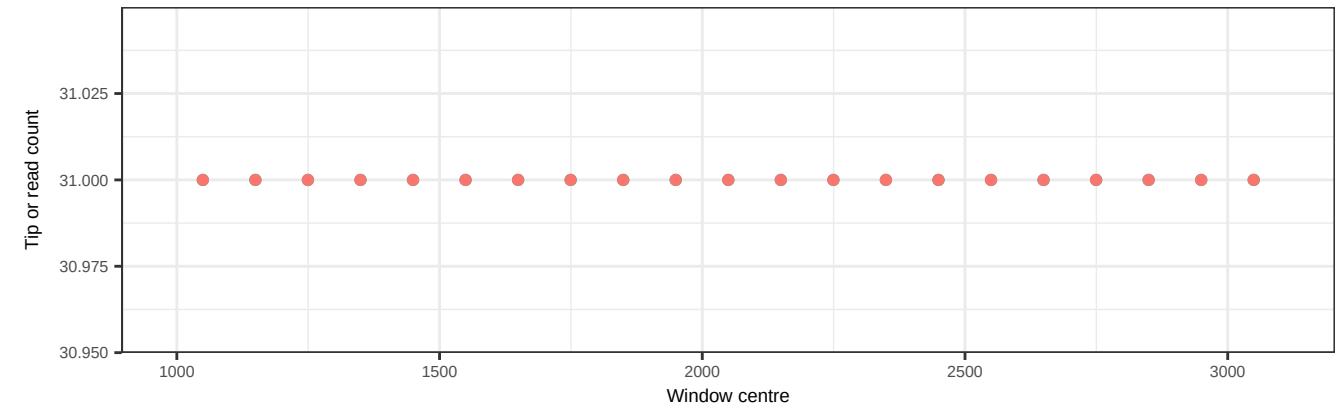

Subgraph or clade count
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

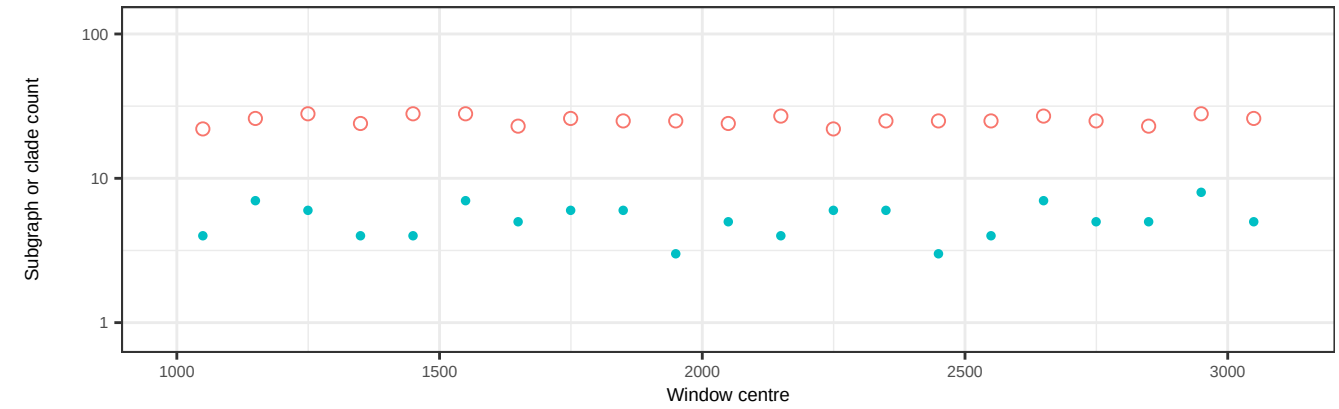

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

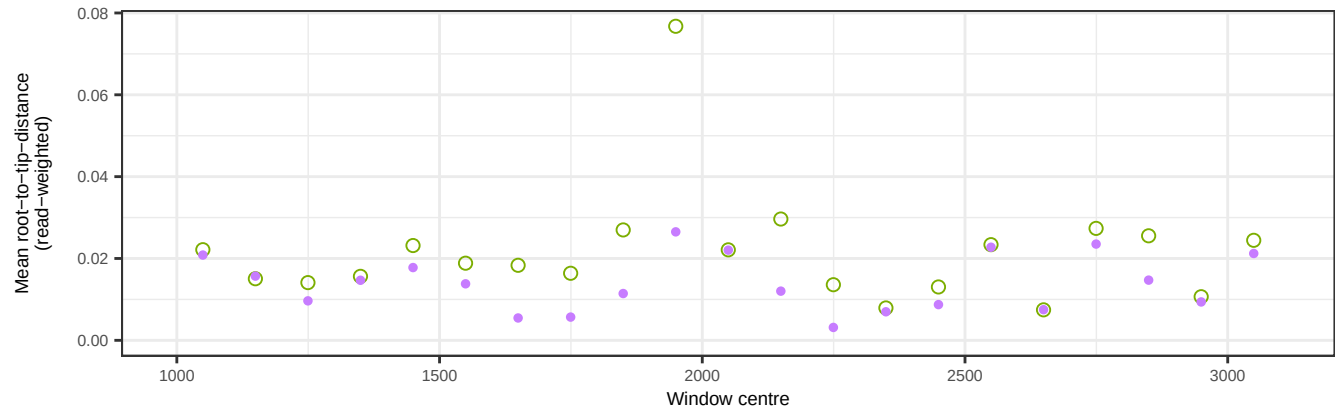

Mean pairwise patristic distance
0.025
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

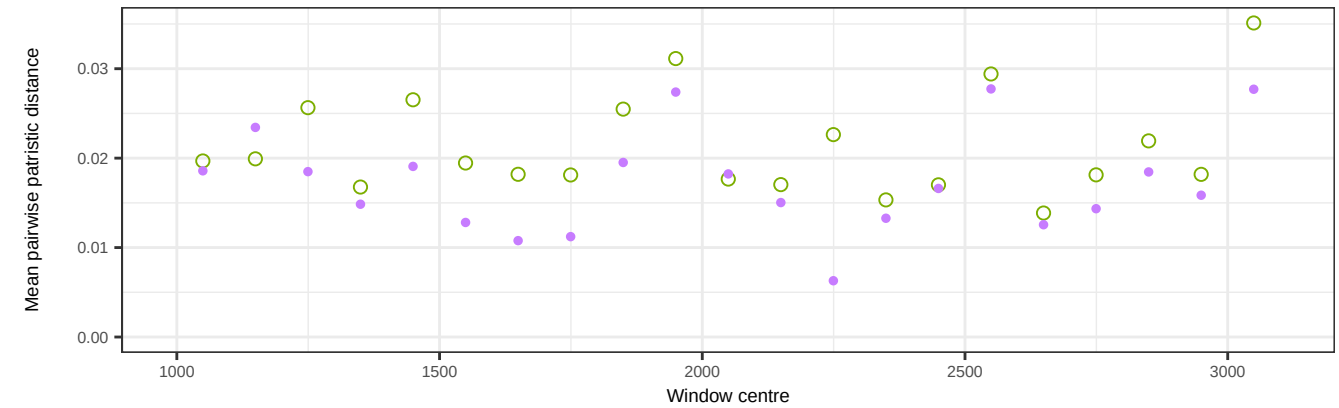

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

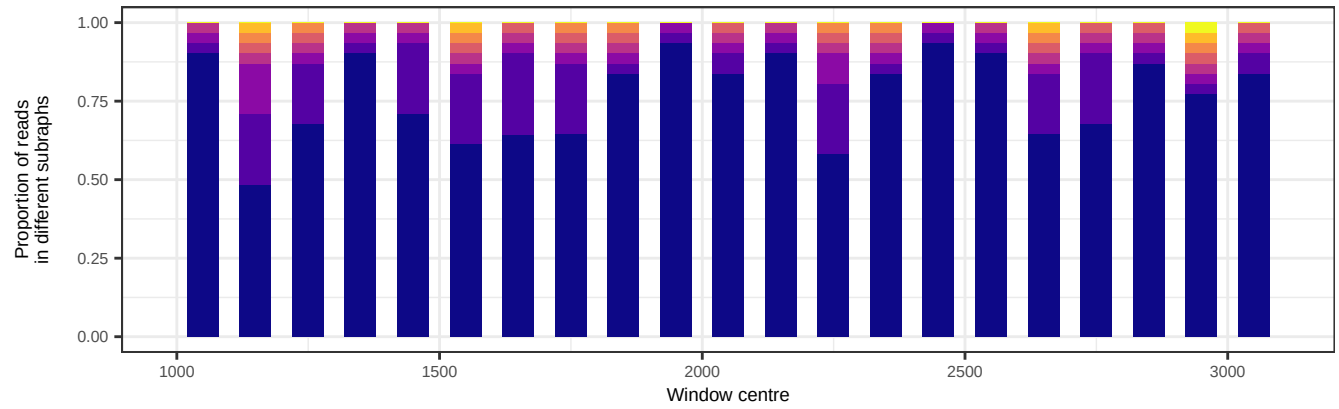
AK18


Tip or read count
31.025
31.000
30.975
30.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

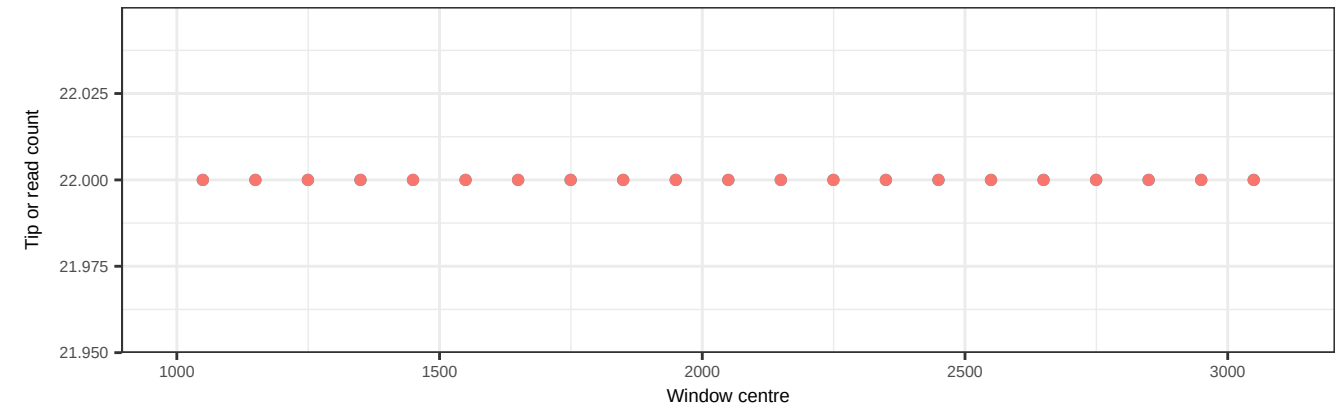

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

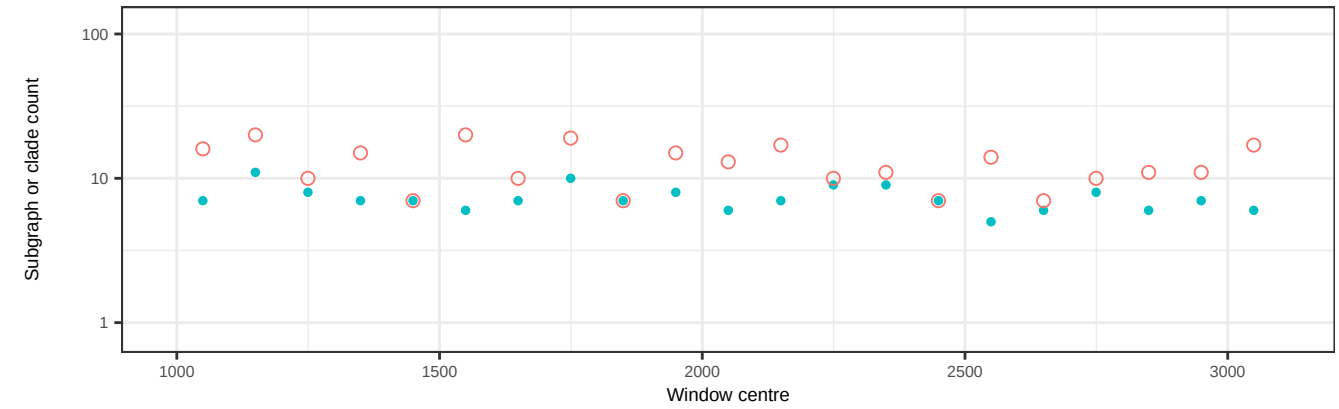

Mean root−to−tip−distance (read−weighted)
0.08
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

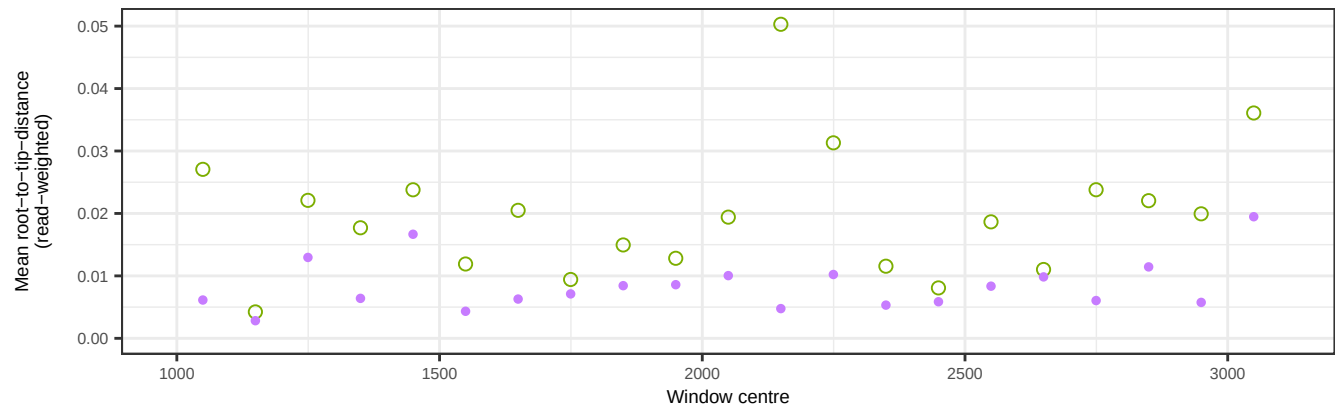

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

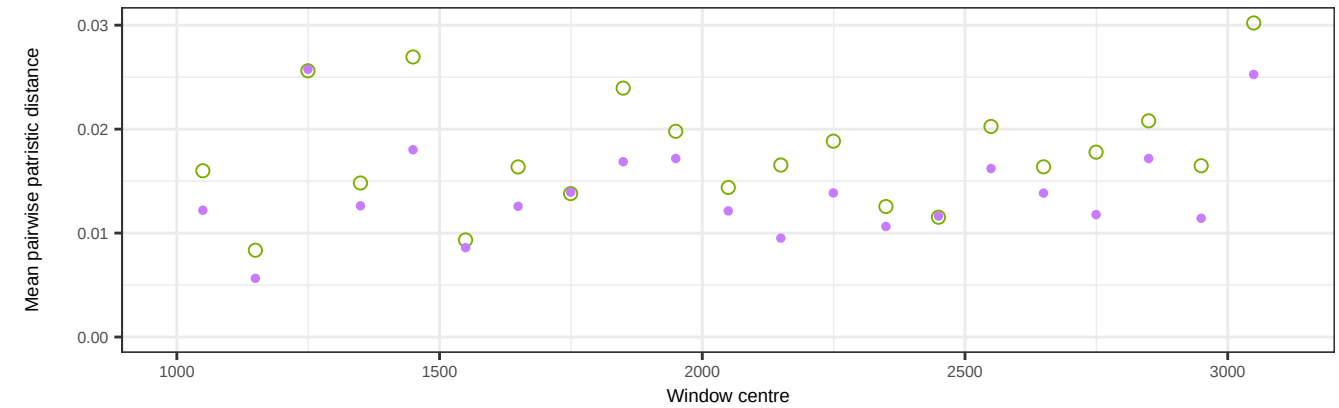

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank (by tip count)
8
7
6
5
4
3
2
1

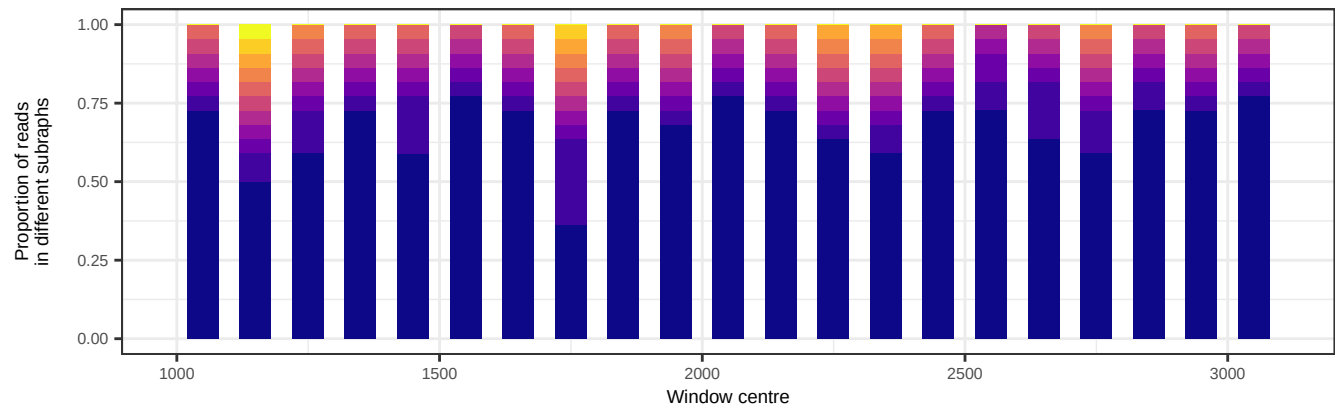
AK2


Tip or read count
22.025
22.000
21.975
21.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

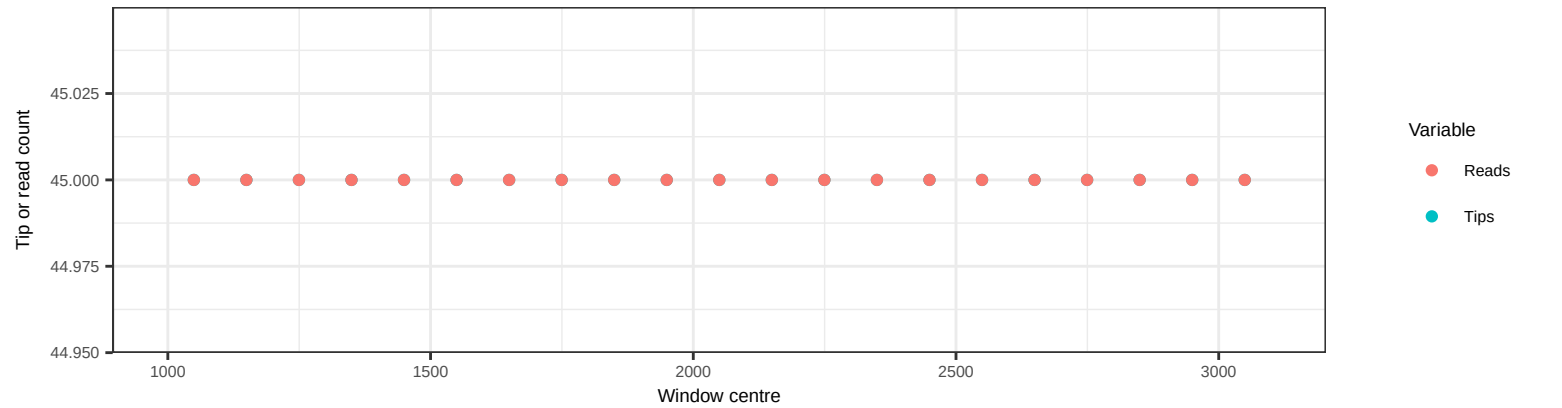

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

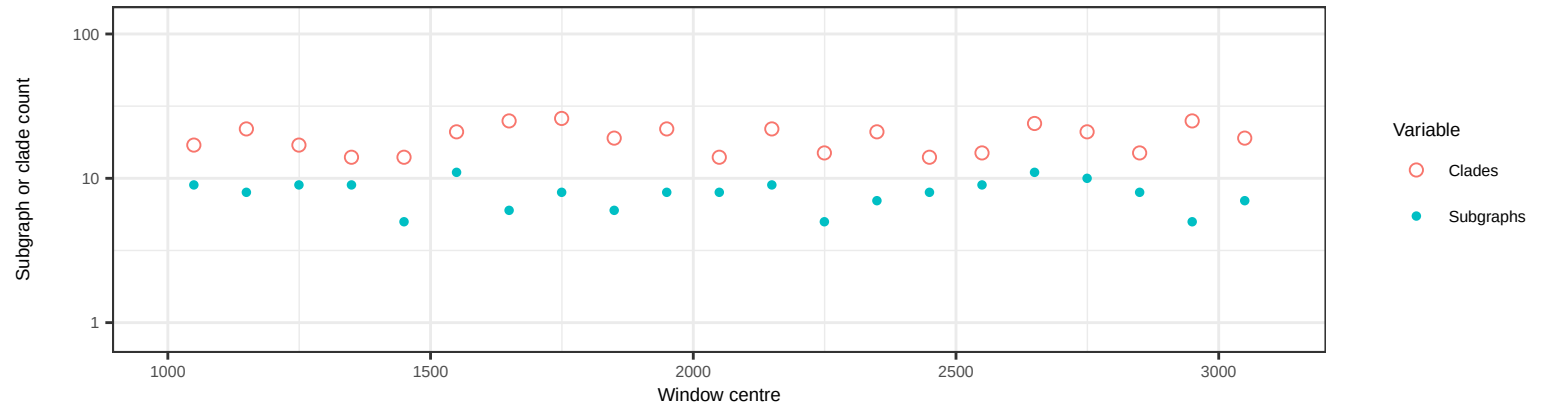

Mean root−to−tip−distance
(read−weighted)
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

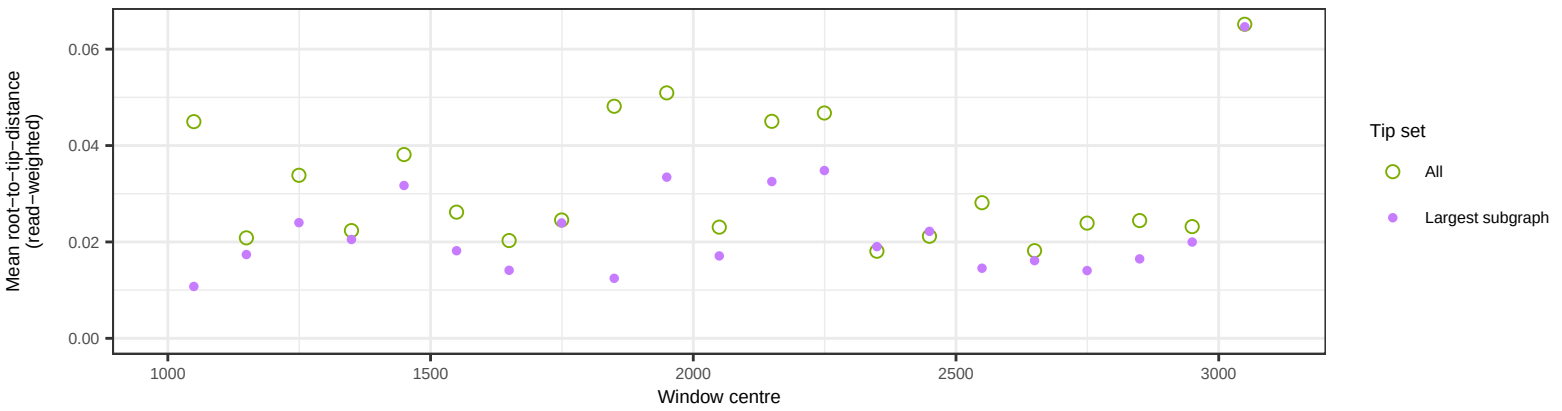

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

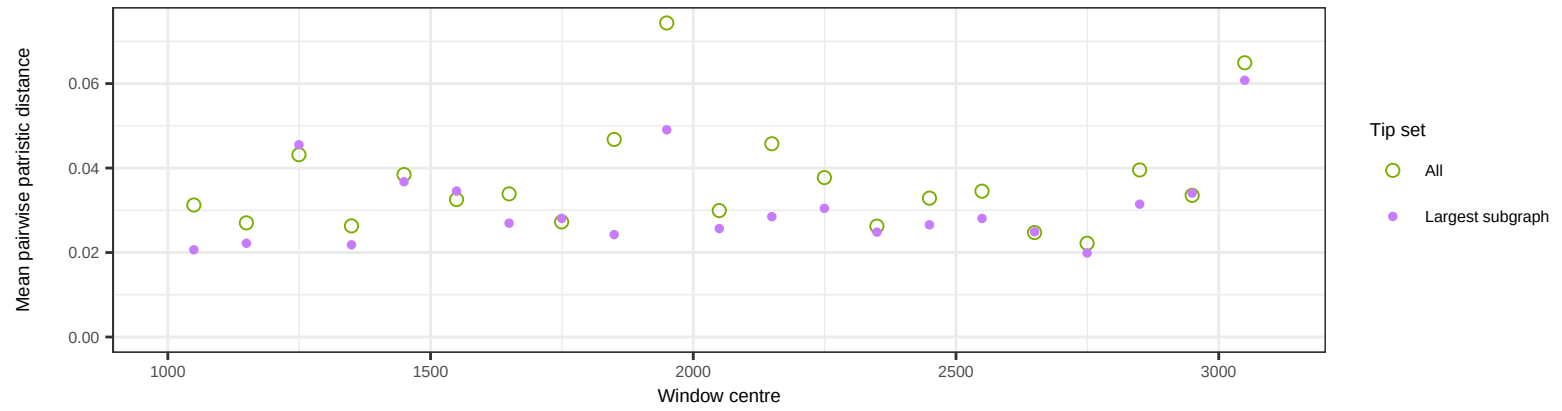

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
11
10
9
8
7
6
5
4
3
2
1

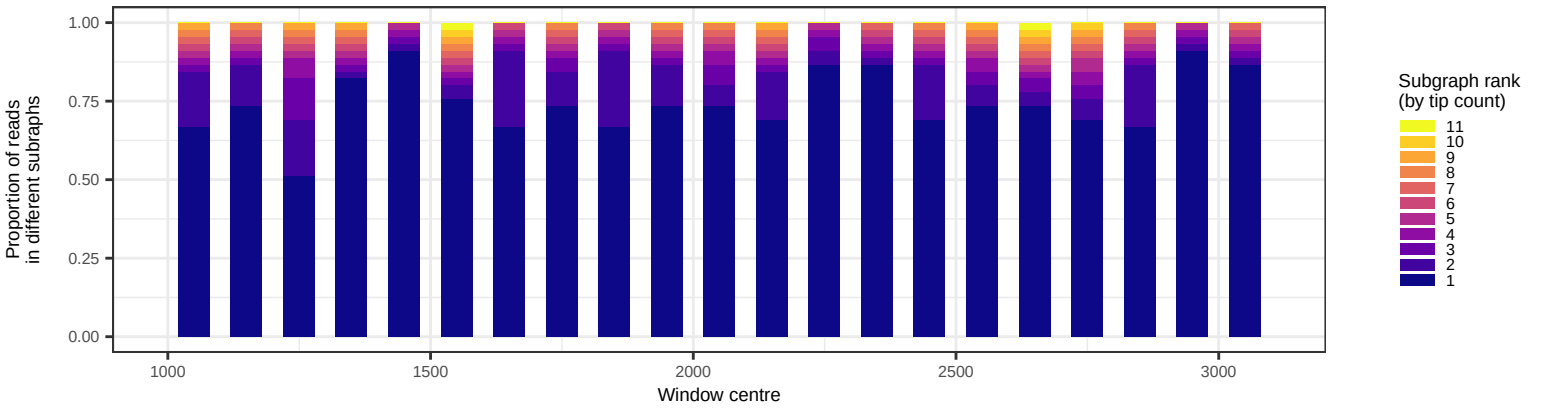
AK31


Tip or read count
45.025
45.000
44.975
44.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

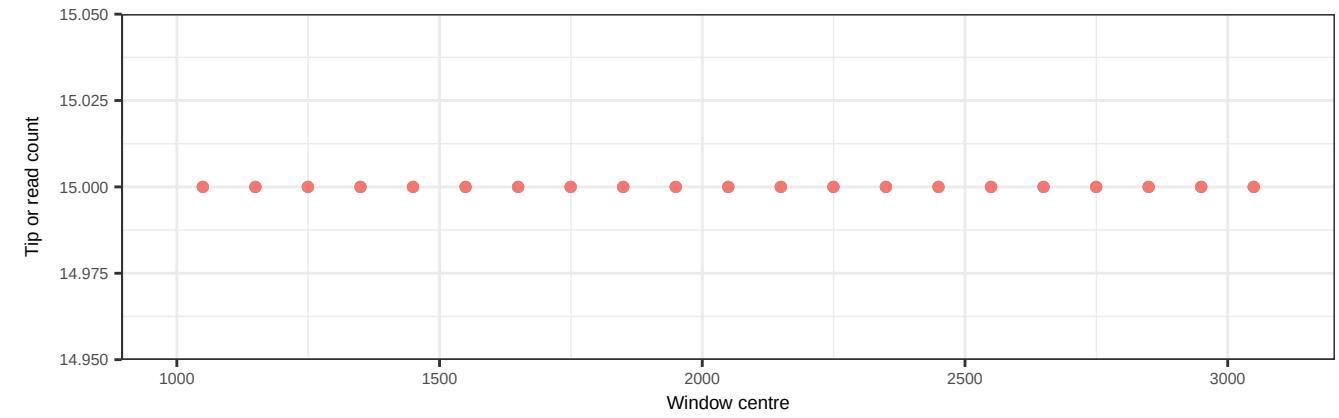

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

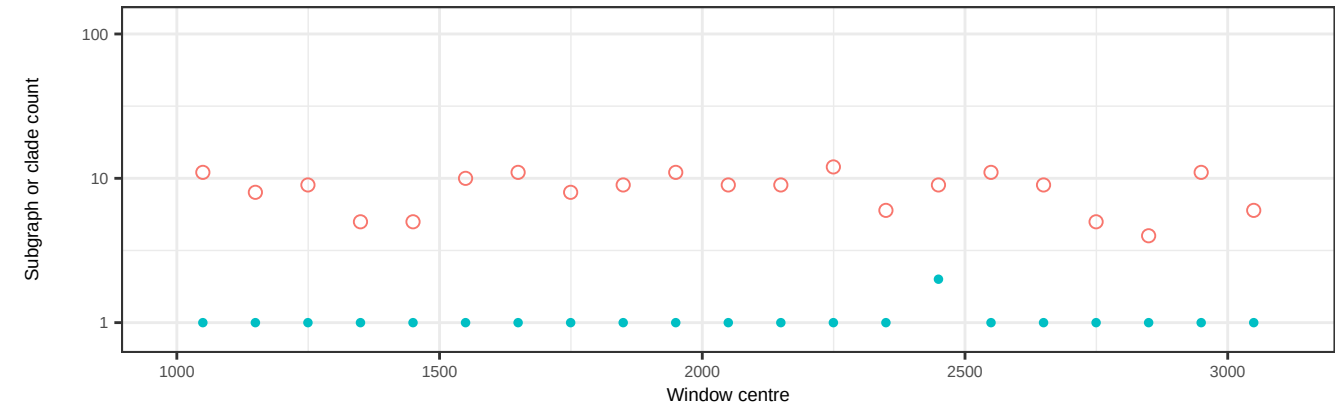

Mean root−to−tip−distance
(read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

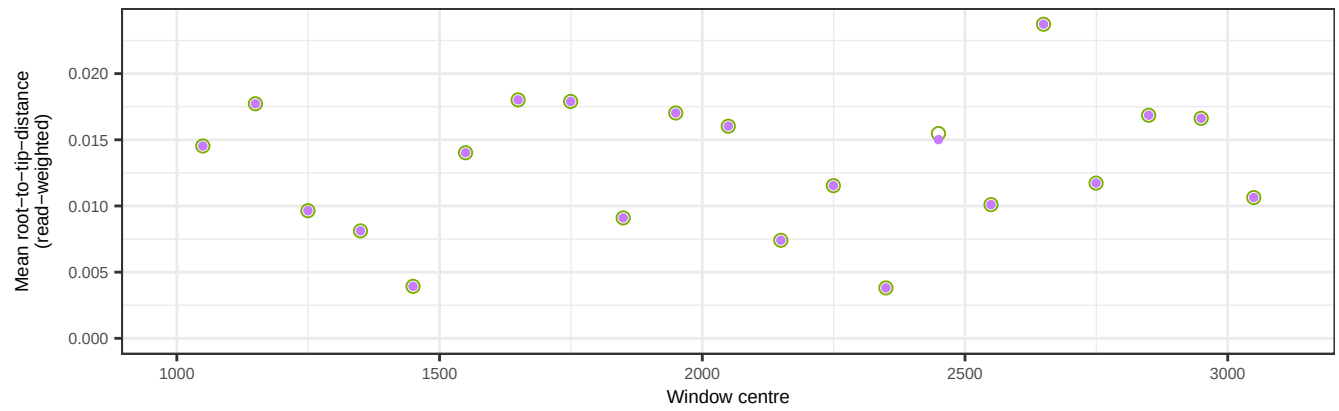

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

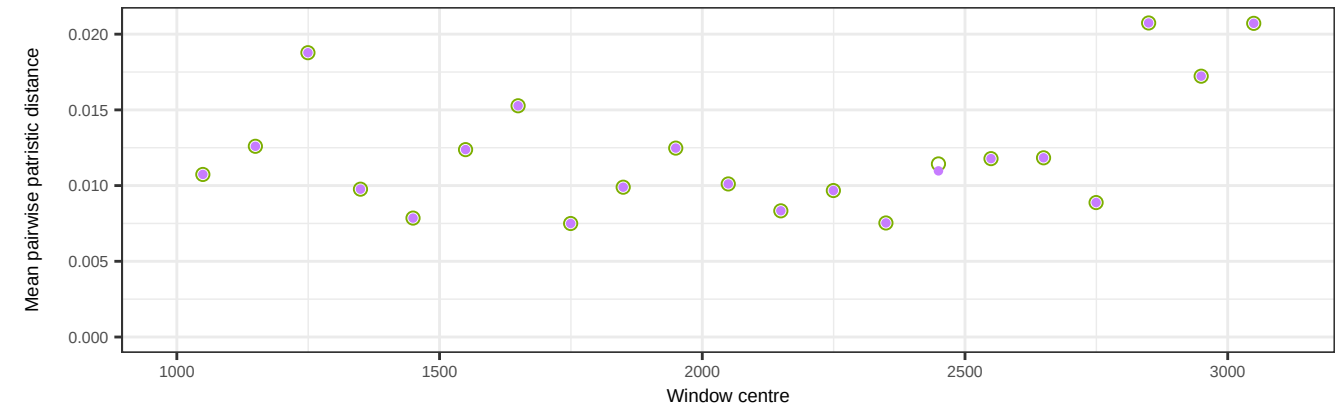

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
11
10
9
8
7
6
5
4
3
2
1

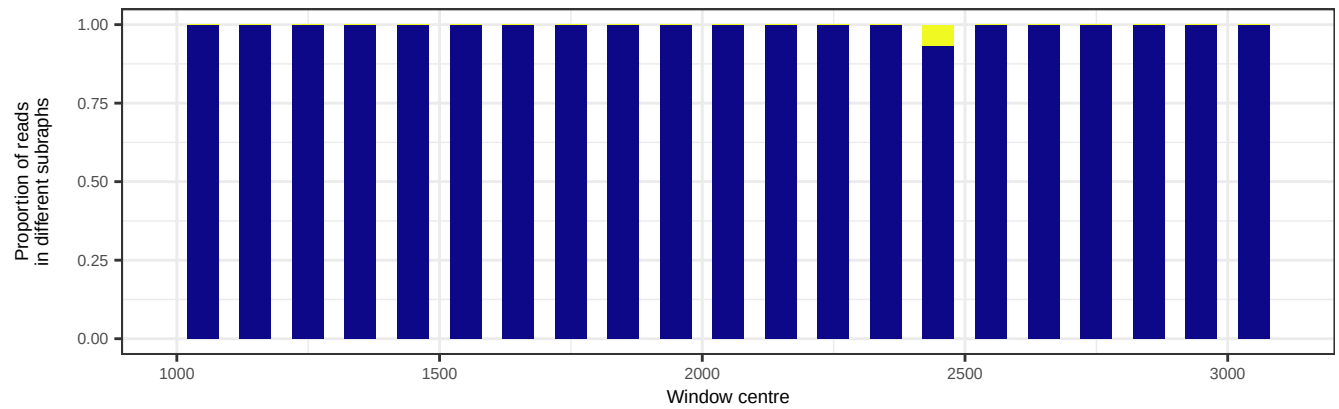
AL200


Tip or read count
15.050
15.025
15.000
14.975
14.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

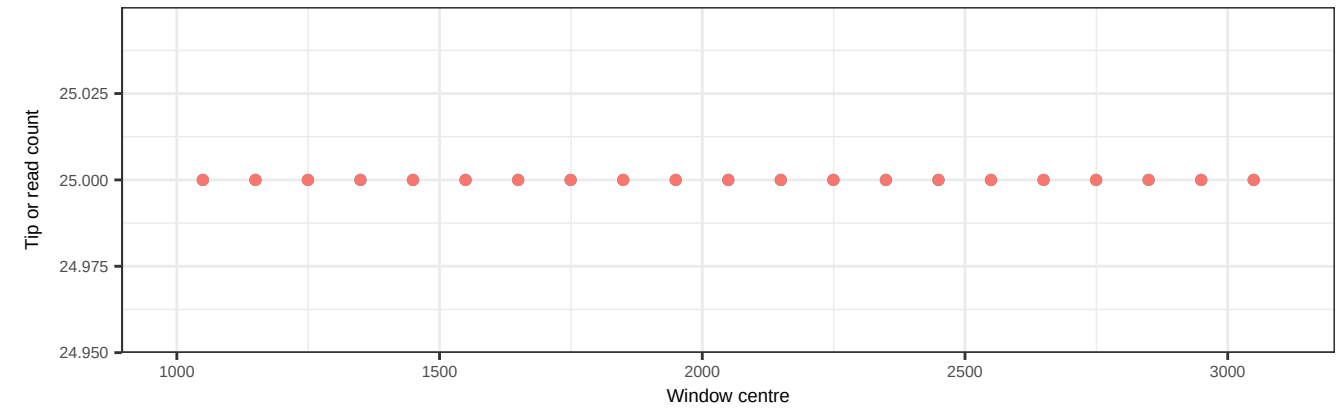

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

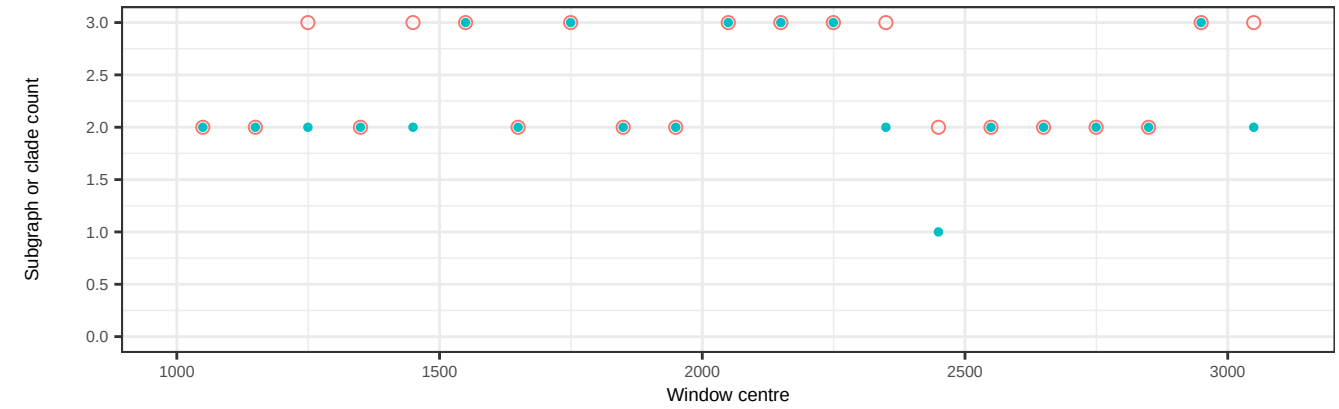

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

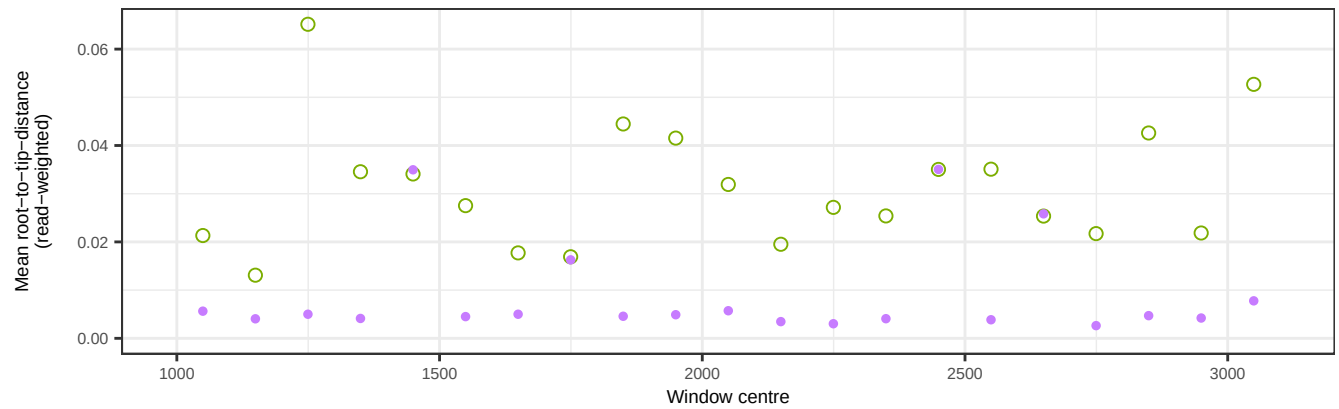

Mean pairwise patristic distance
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

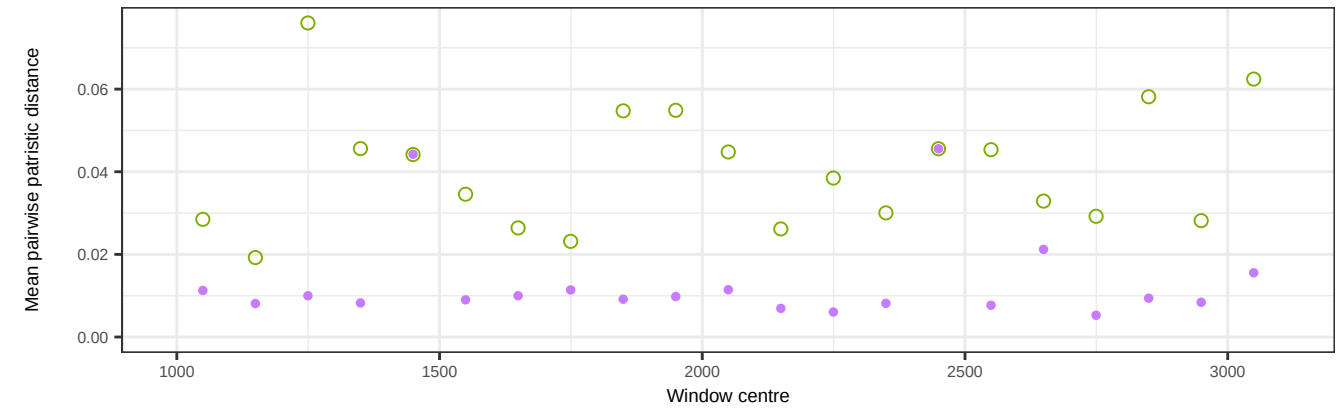

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
2
1

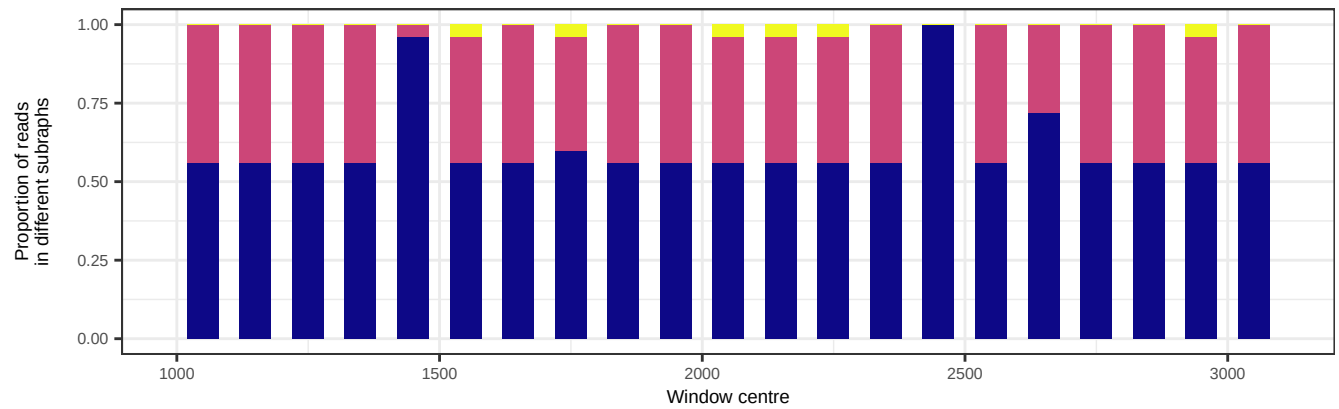
AL204


Tip or read count
25.025
25.000
24.975
24.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

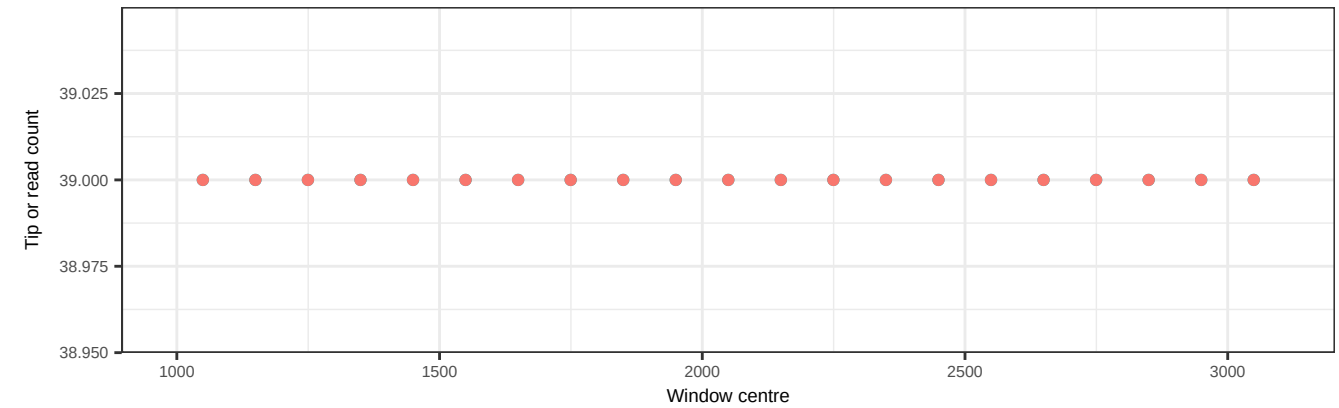

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

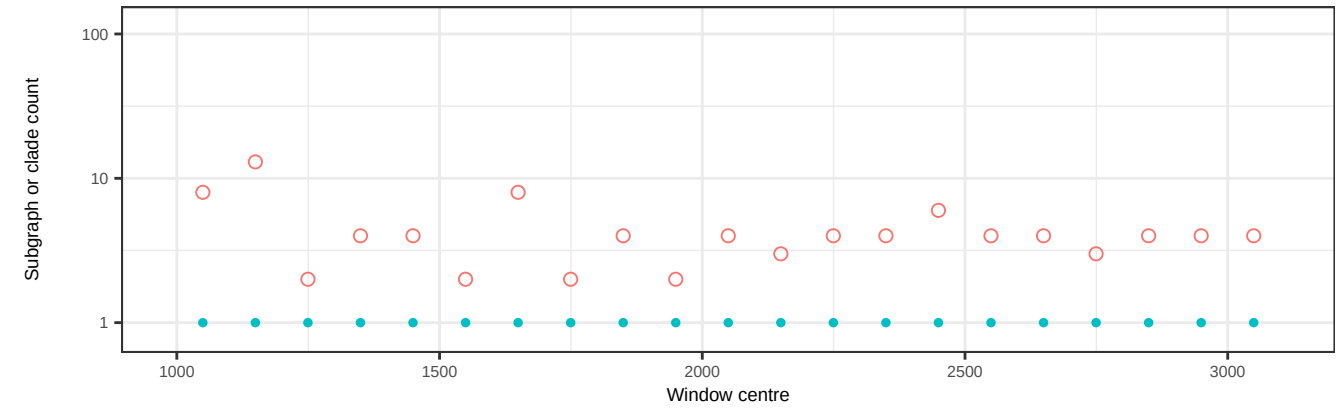

Mean root−to−tip−distance
(read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

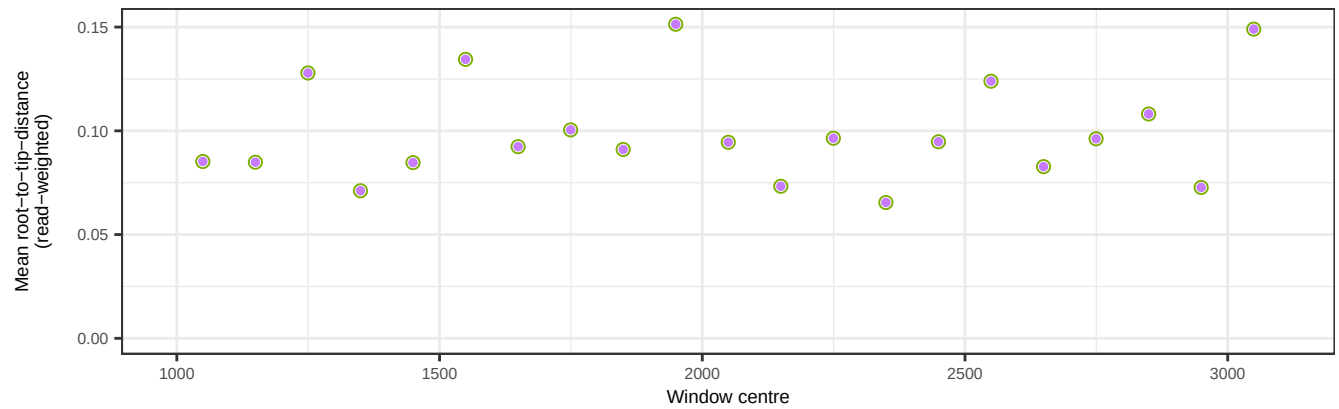

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

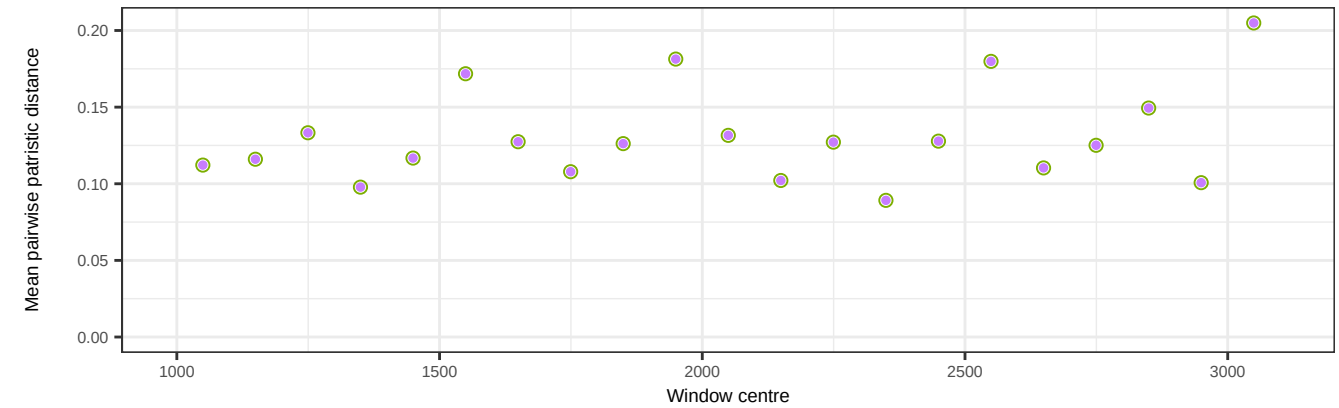

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
3
2
1

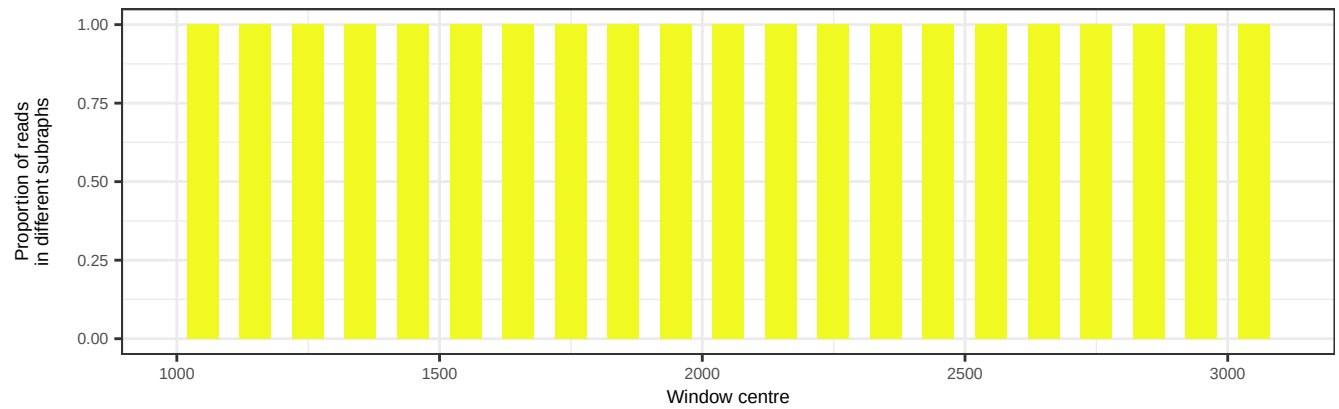
AN12


Tip or read count
39.025
39.000
38.975
38.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

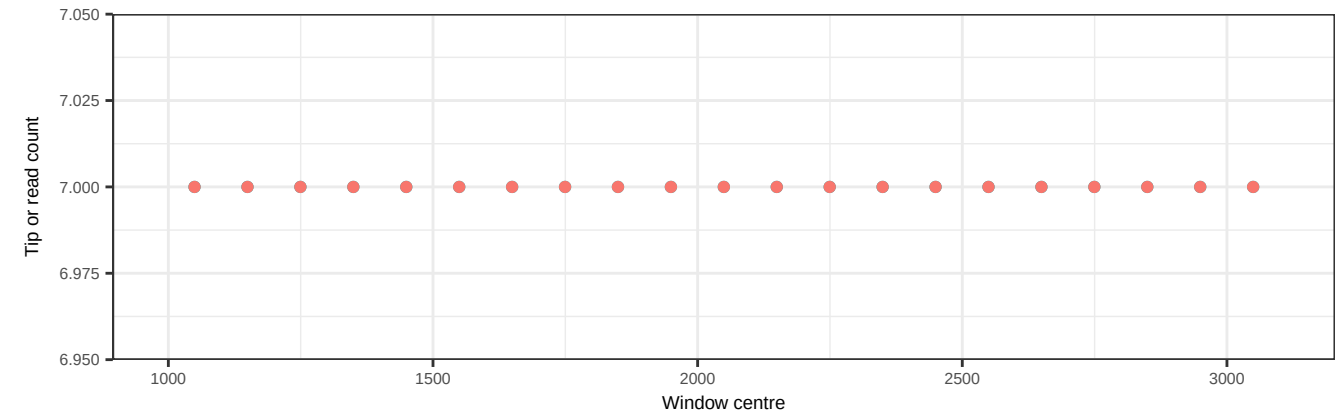

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

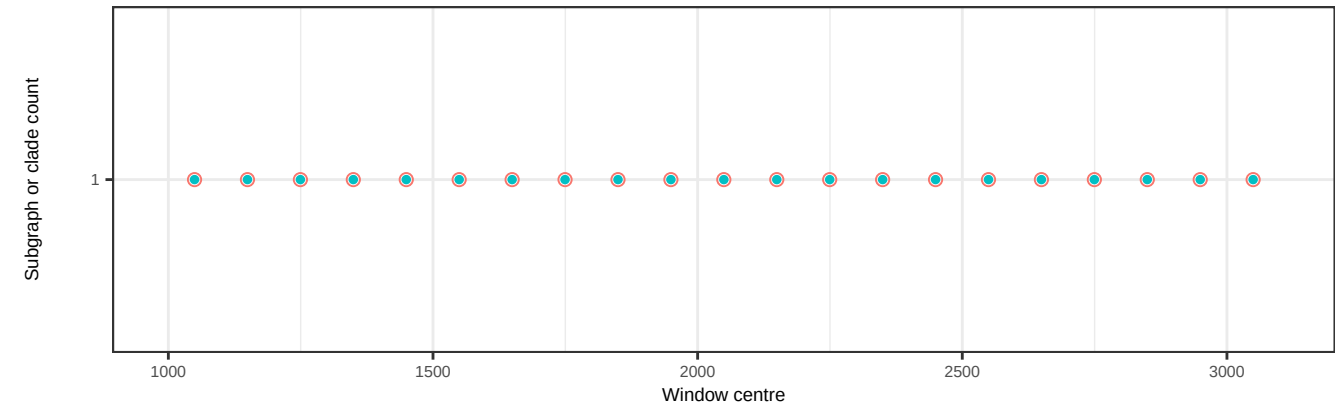

Mean root−to−tip−distance
(read−weighted)
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

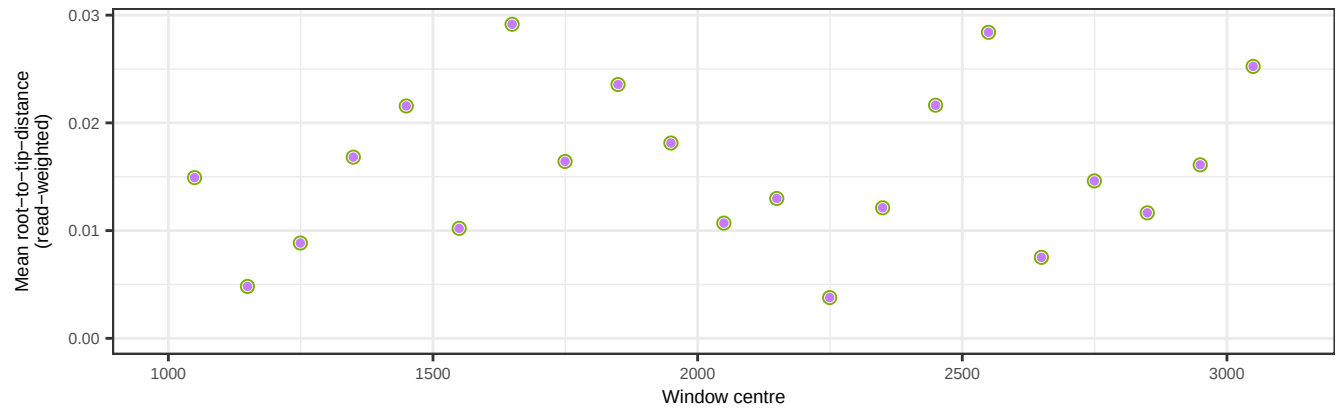

Mean pairwise patristic distance
0.20
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

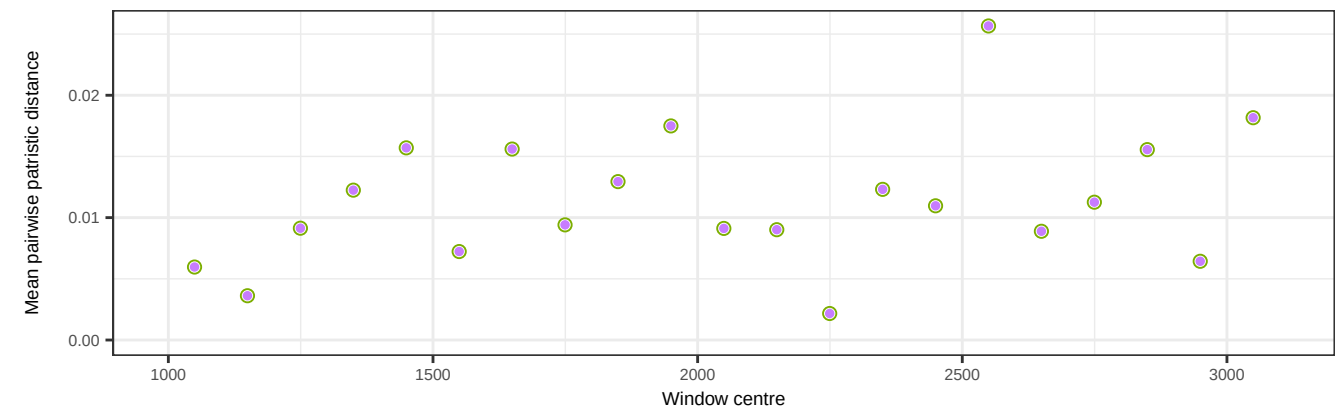

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
1

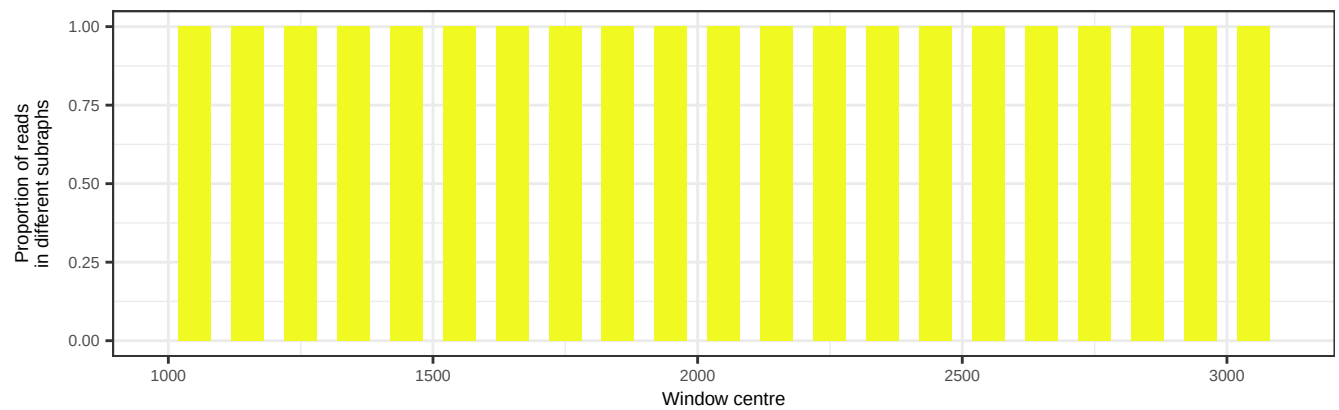
AN13


Tip or read count
7.050
7.025
7.000
6.975
6.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

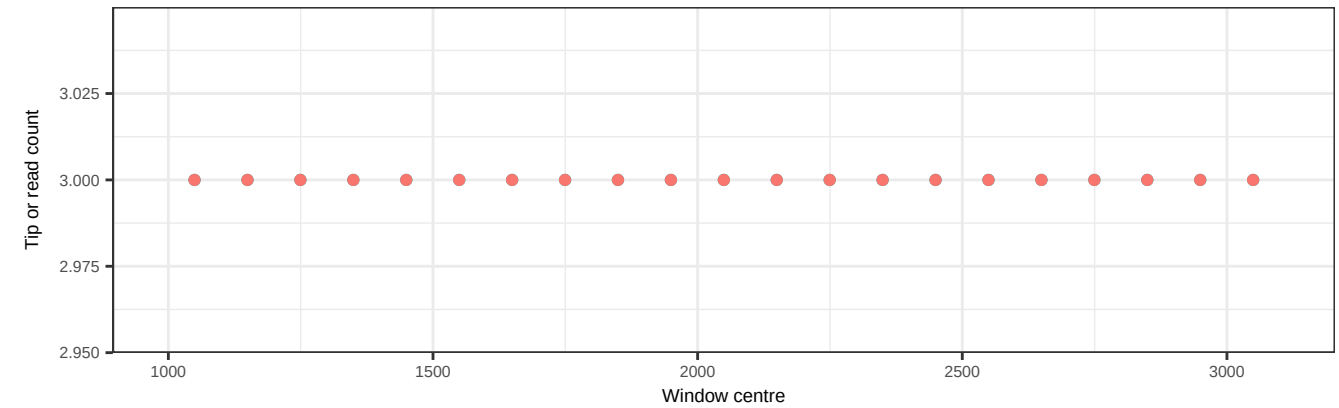

Subgraph or clade count
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

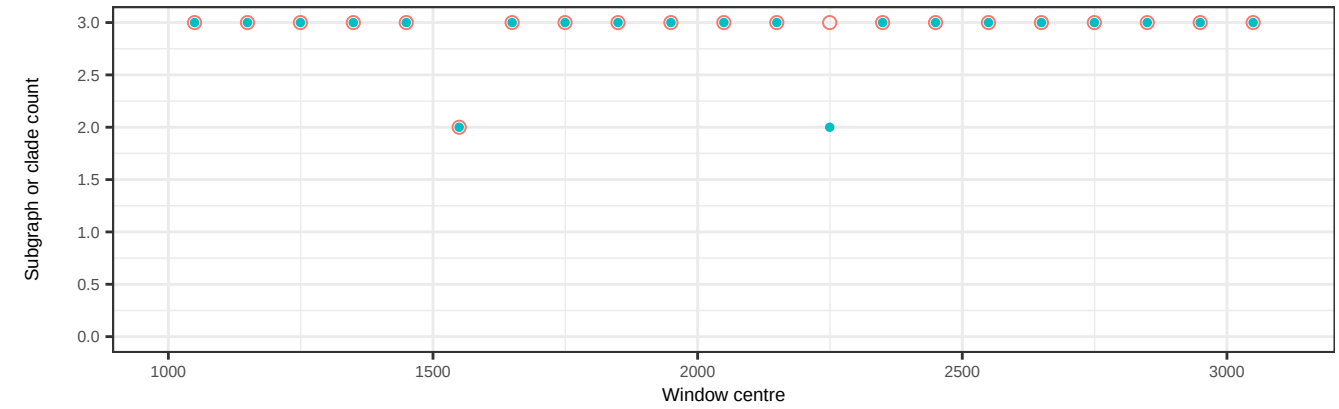

Mean root−to−tip−distance
(read−weighted)
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

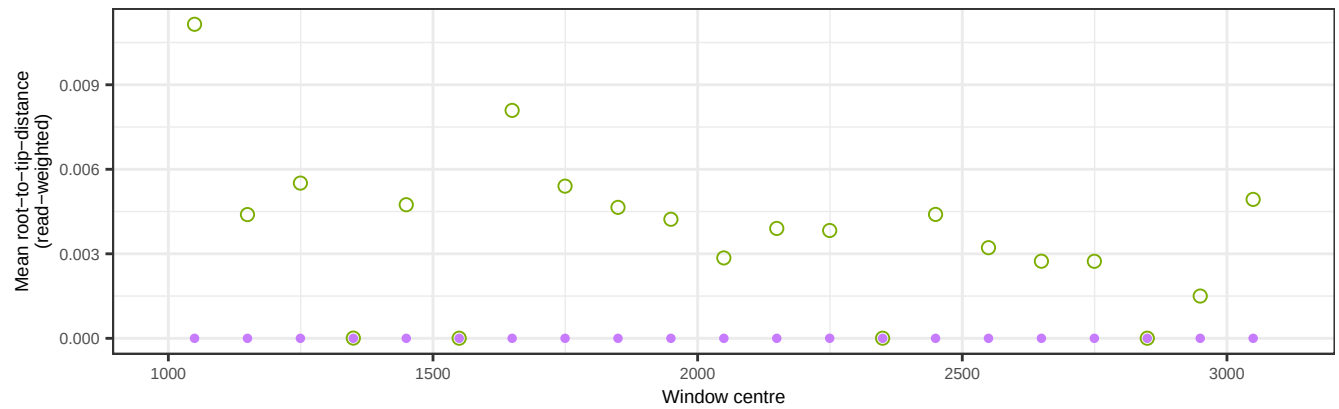

Mean pairwise patristic distance
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

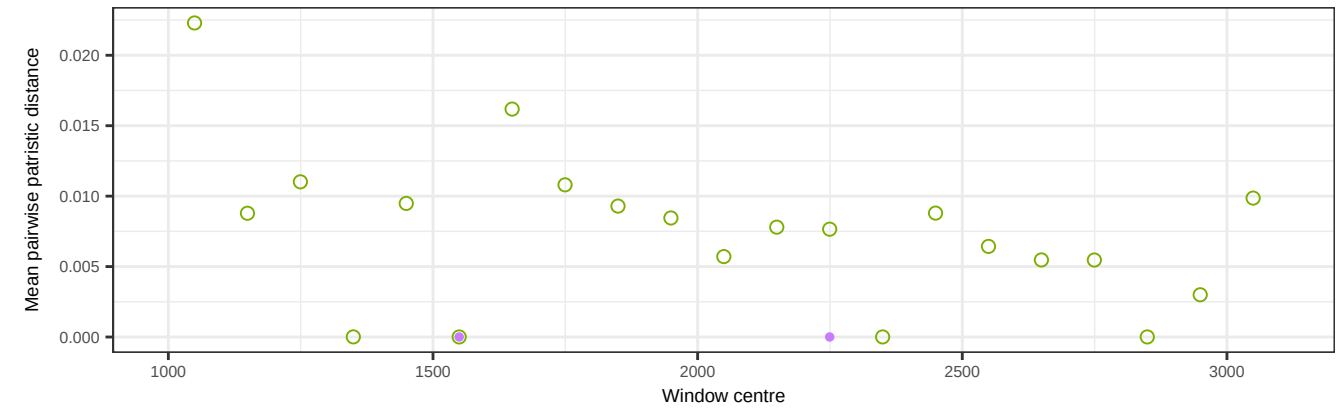

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
1

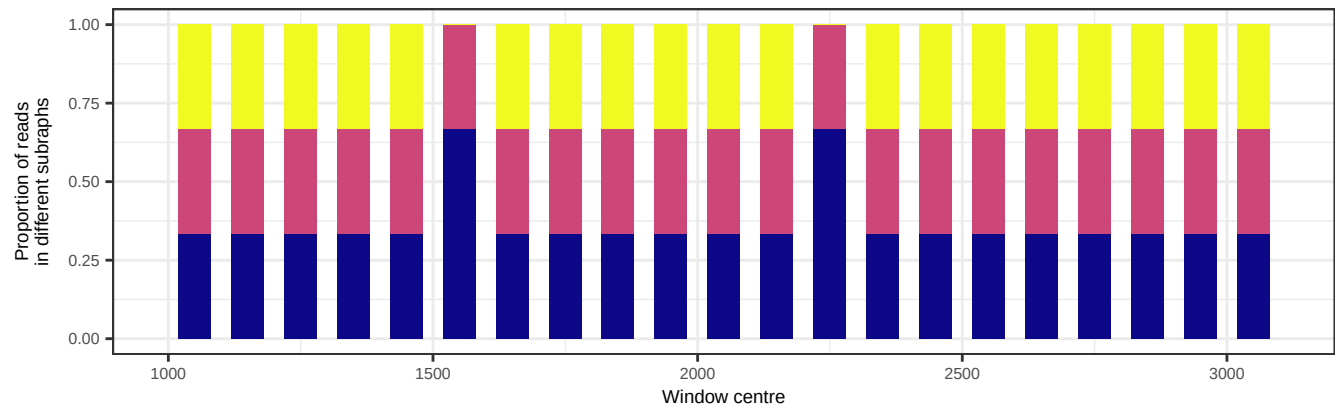
AO10


Tip or read count
3.025
3.000
2.975
2.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

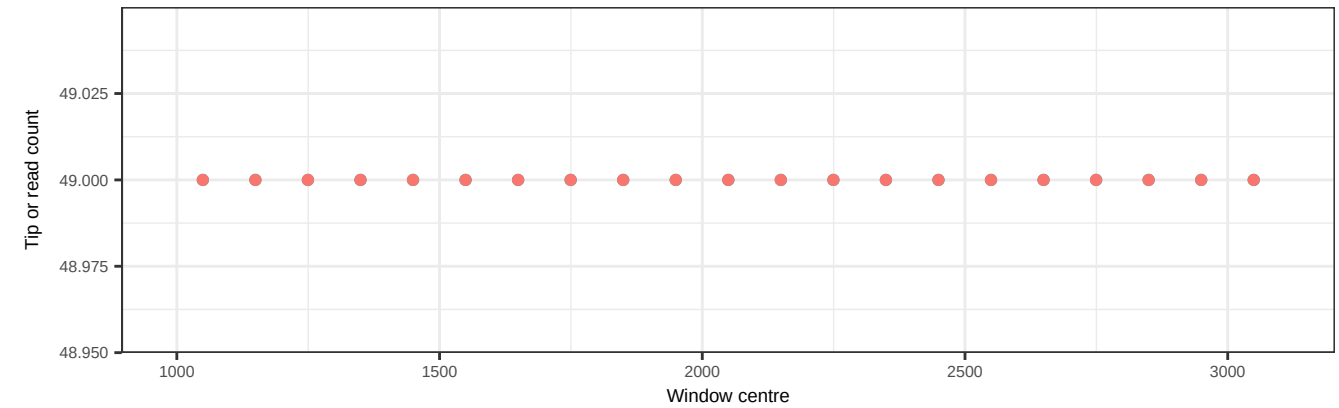

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

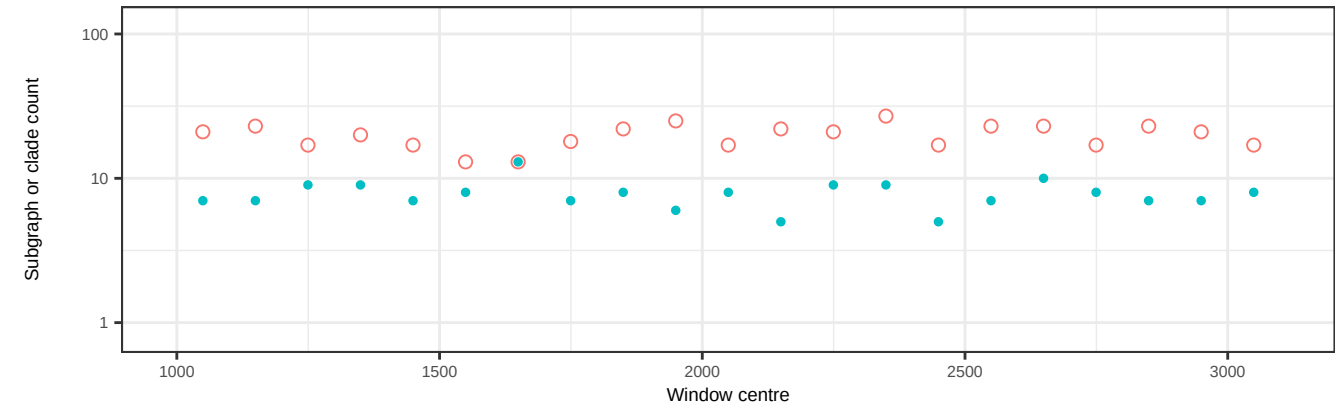

Mean root−to−tip−distance
(read−weighted)
0.009
0.006
0.003
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

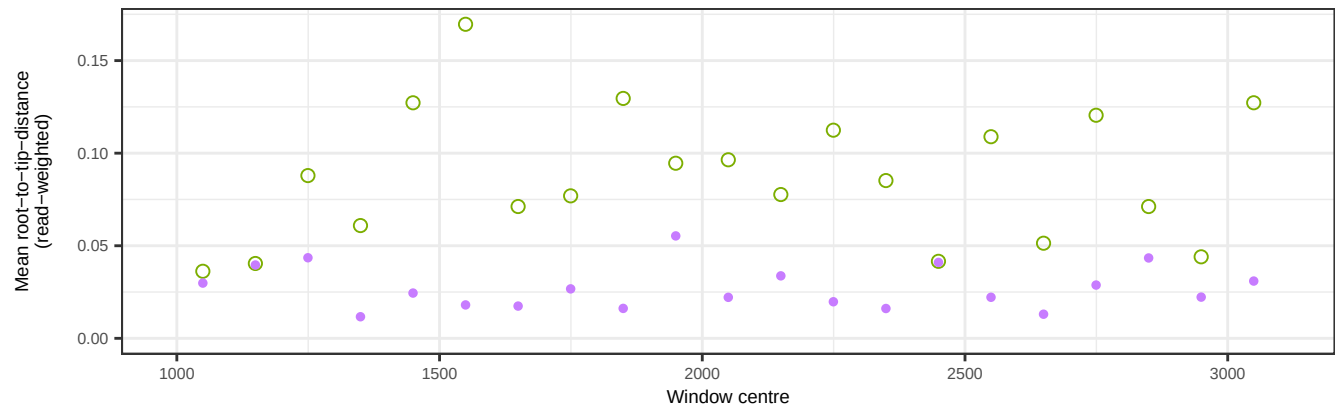

Mean pairwise patristic distance
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

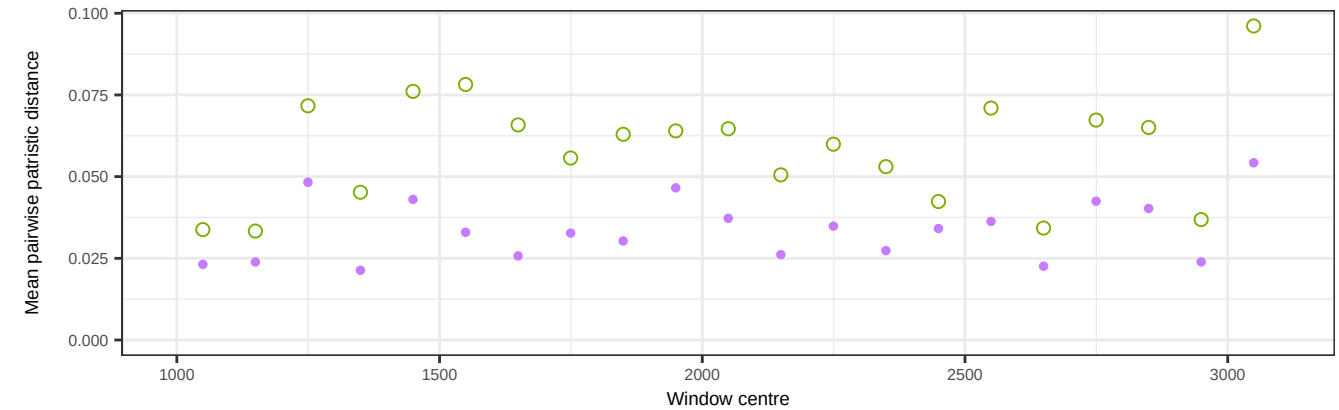

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
3
2
1

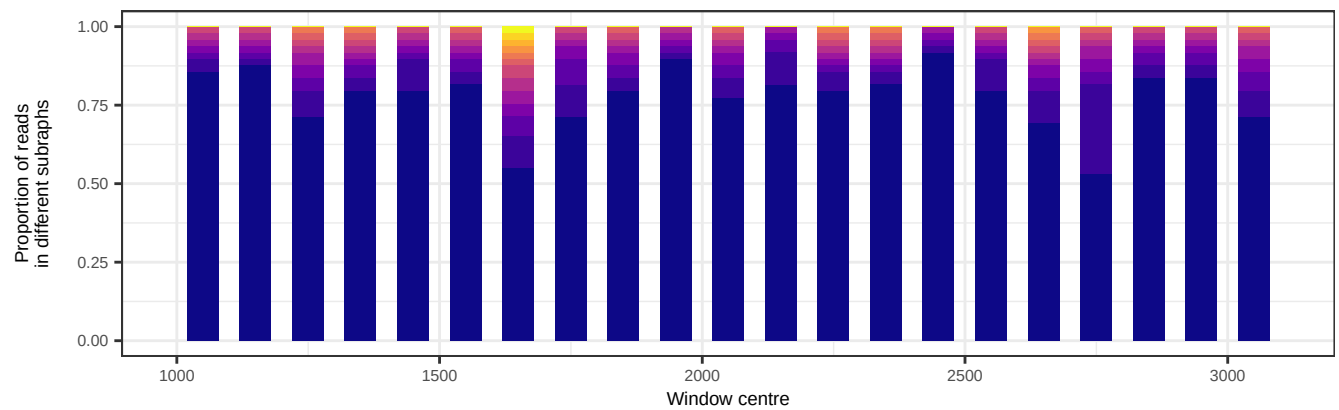
AO11


Tip or read count
49.025
49.000
48.975
48.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

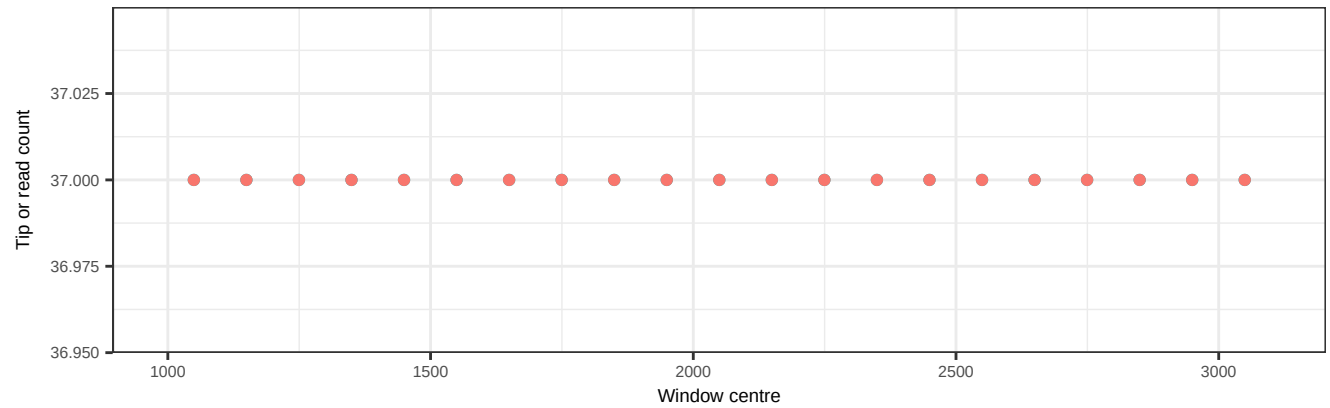

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

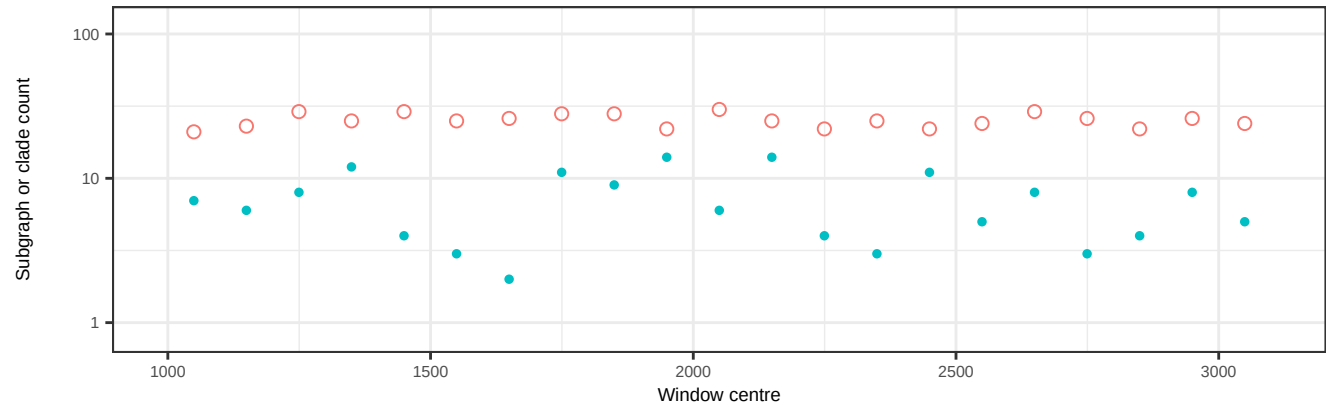

Mean root−to−tip−distance
(read−weighted)
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

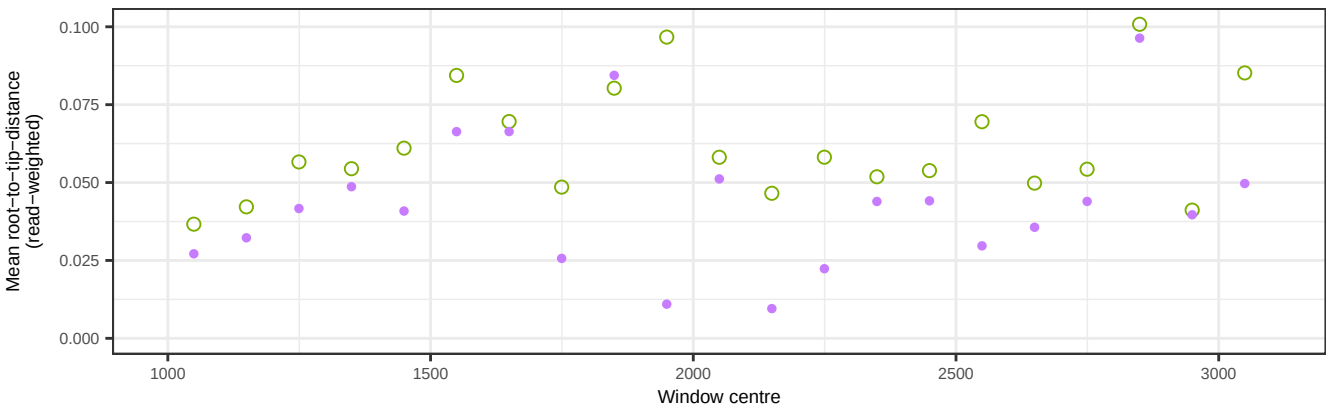

Mean pairwise patristic distance
0.100
0.075
0.050
0.025
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

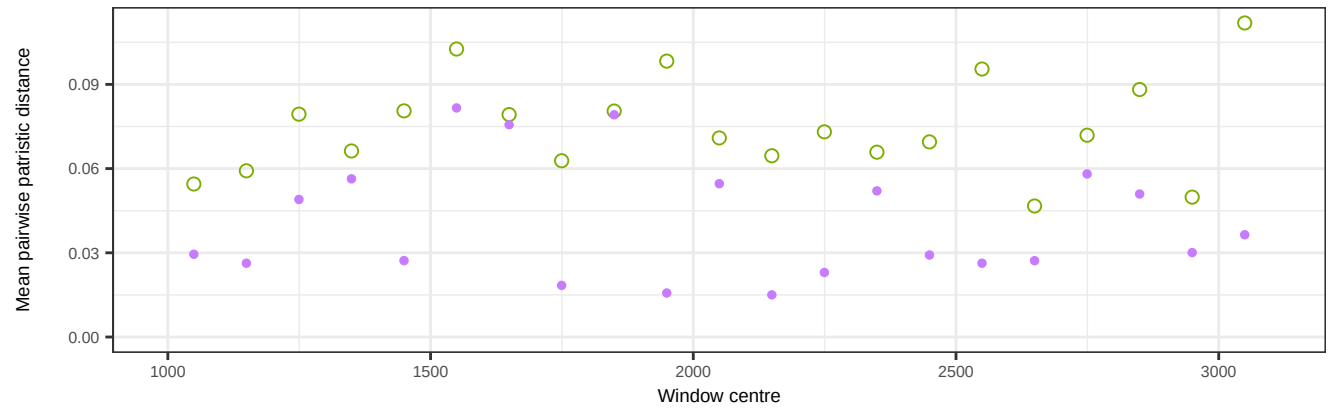

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
13
12
11
10
9
8
7
6
5
4
3
2
1

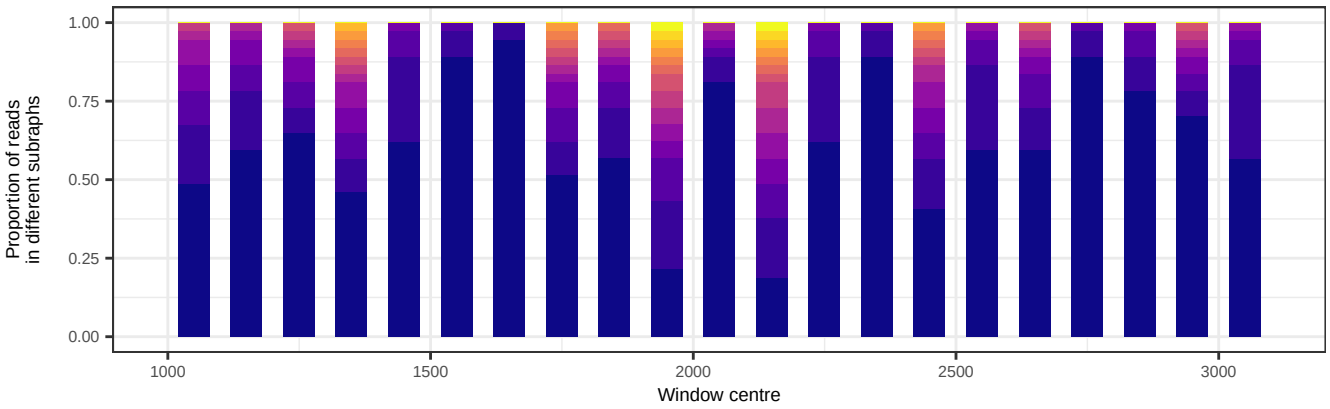
AO6


Tip or read count
37.025
37.000
36.975
36.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

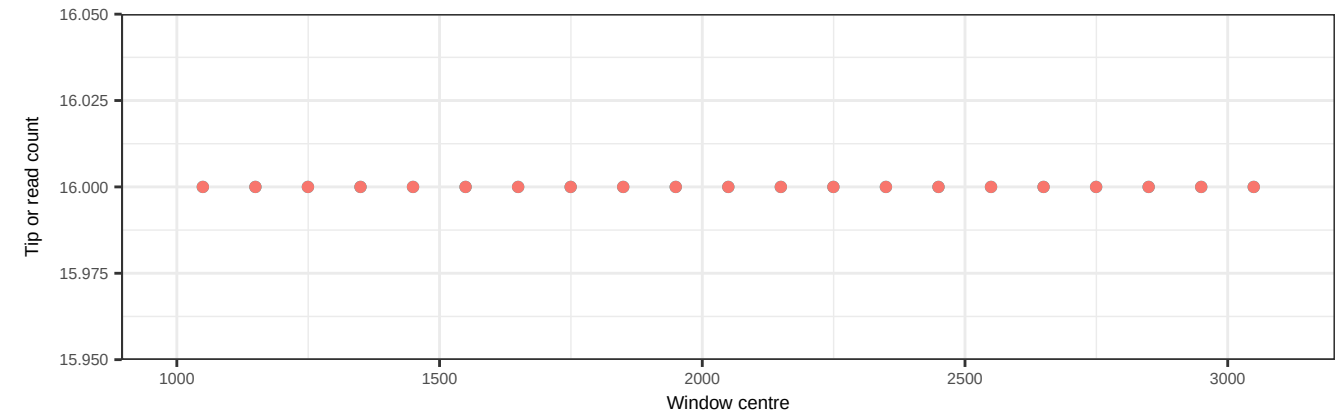

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

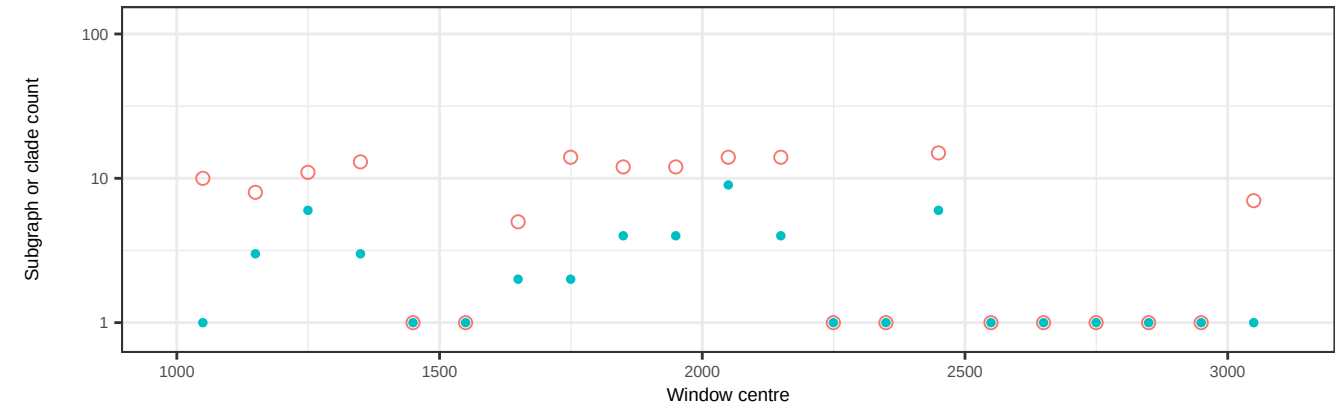

Mean root−to−tip−distance (read−weighted)
0.100
0.075
0.050
0.025
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

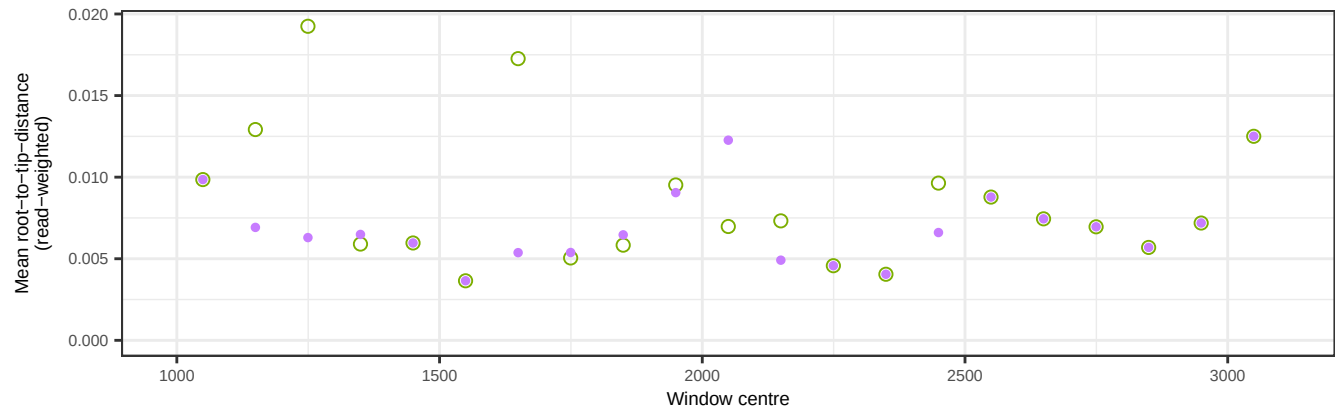

Mean pairwise patristic distance
0.09
0.06
0.03
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

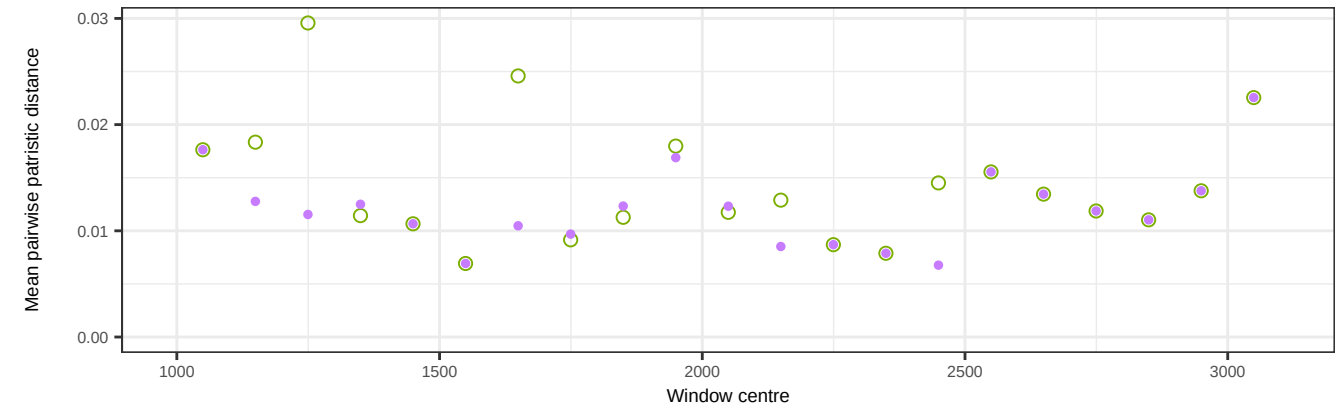

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank (by tip count)
14
13
12
11
10
9
8
7
6
5
4
3
2
1

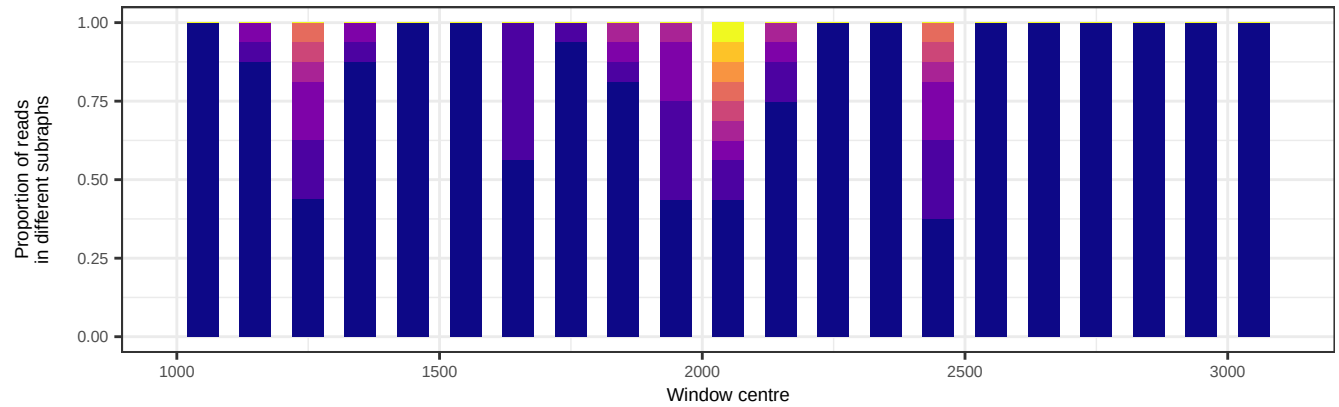
AO9


Tip or read count
16.050
16.025
16.000
15.975
15.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

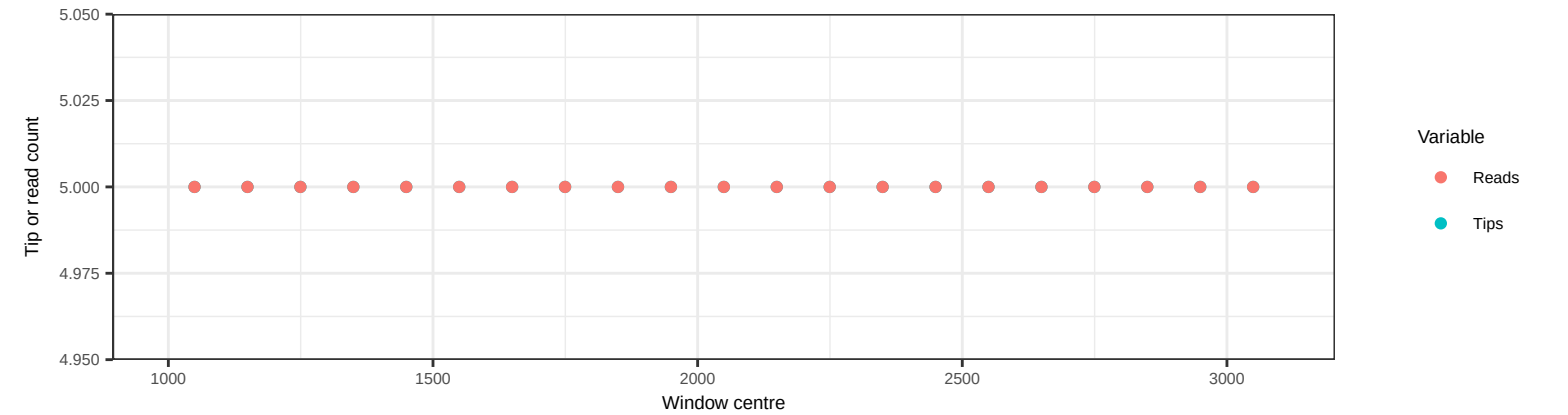

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

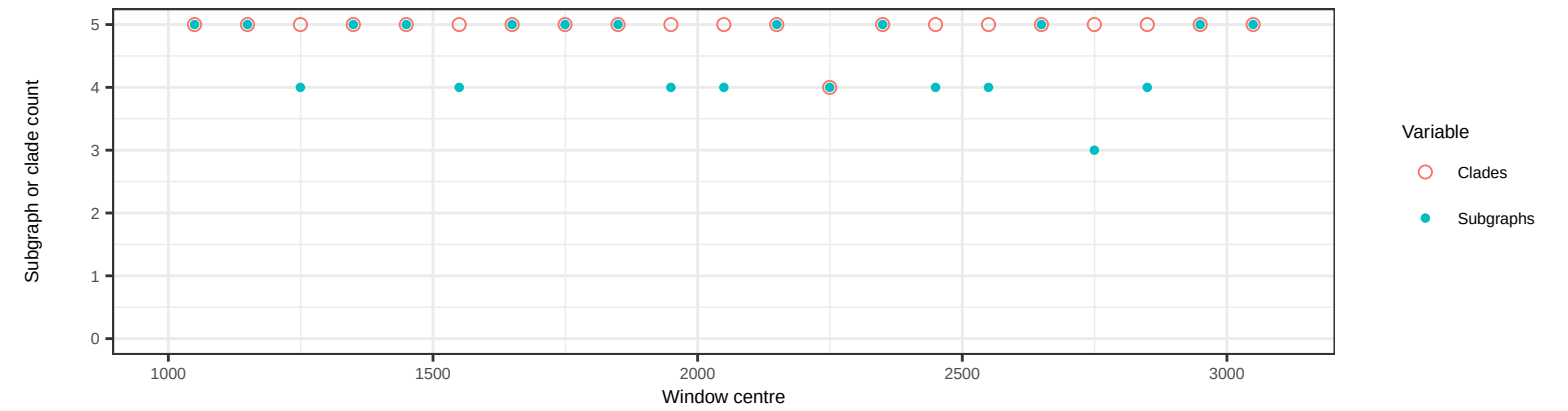

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

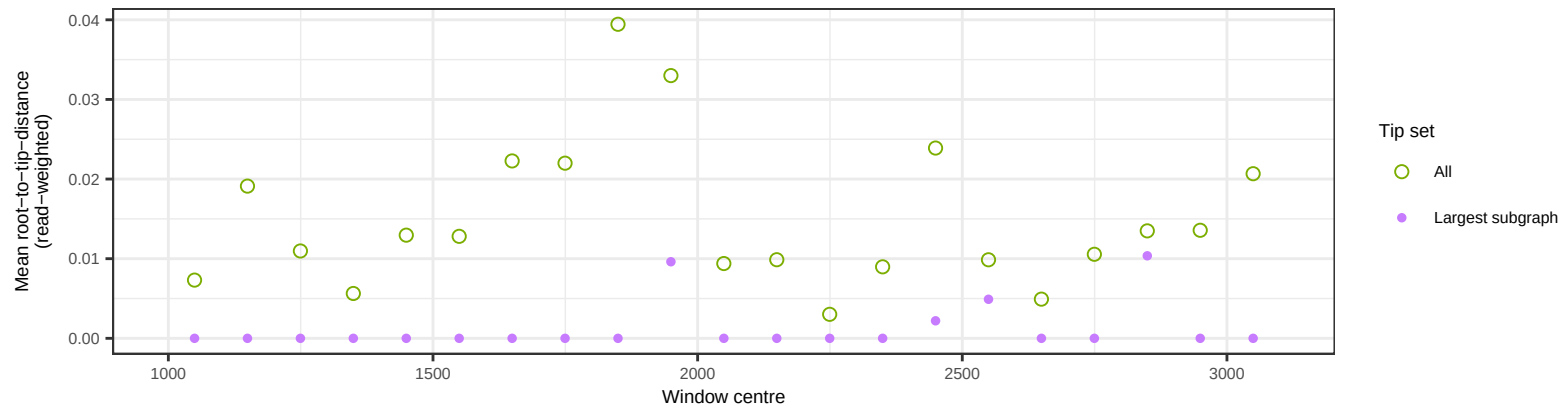

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

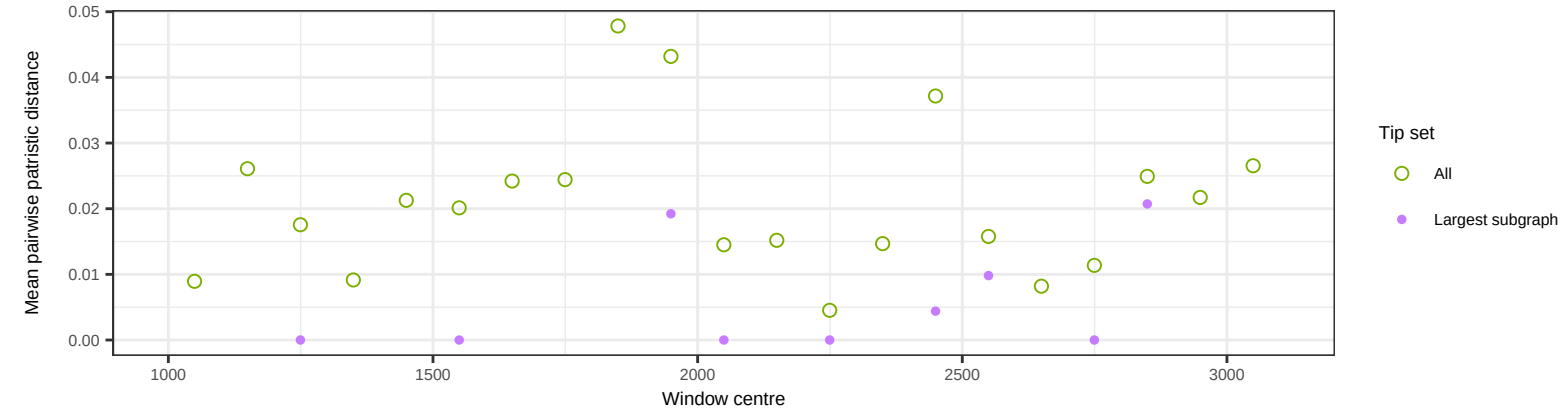

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
9
8
7
6
5
4
3
2
1

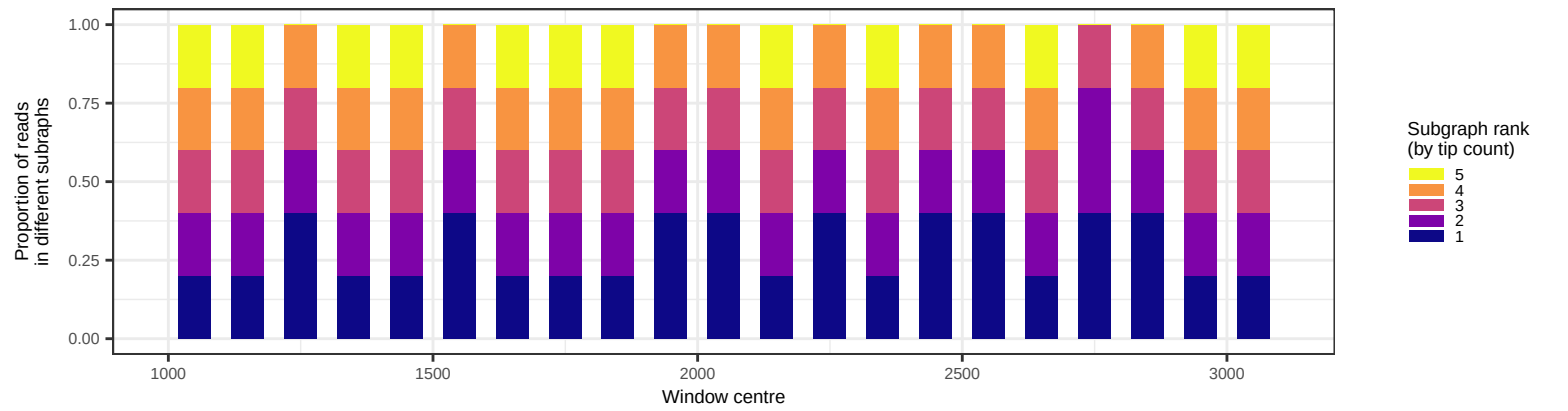
AQ13


Tip or read count
5.050
5.025
5.000
4.975
4.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

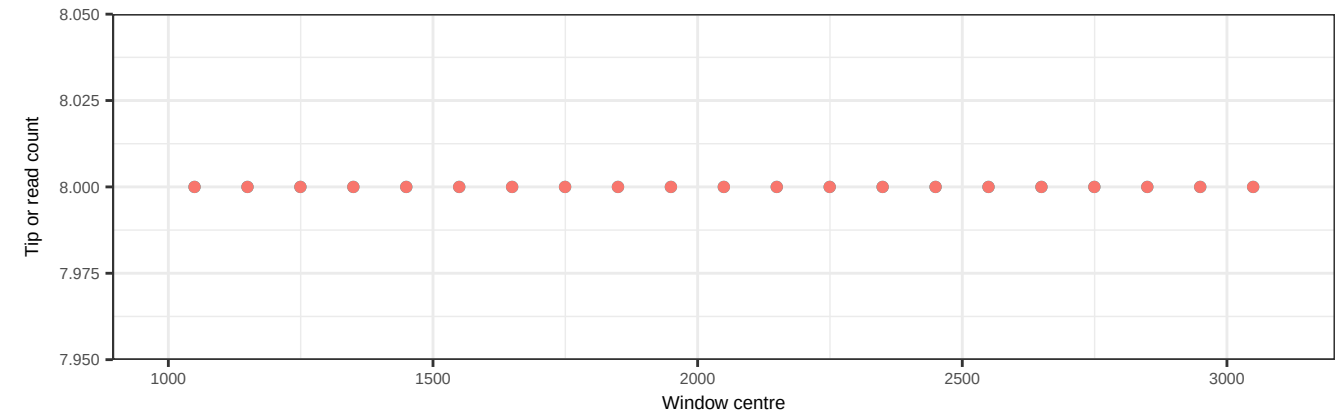

Subgraph or clade count
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

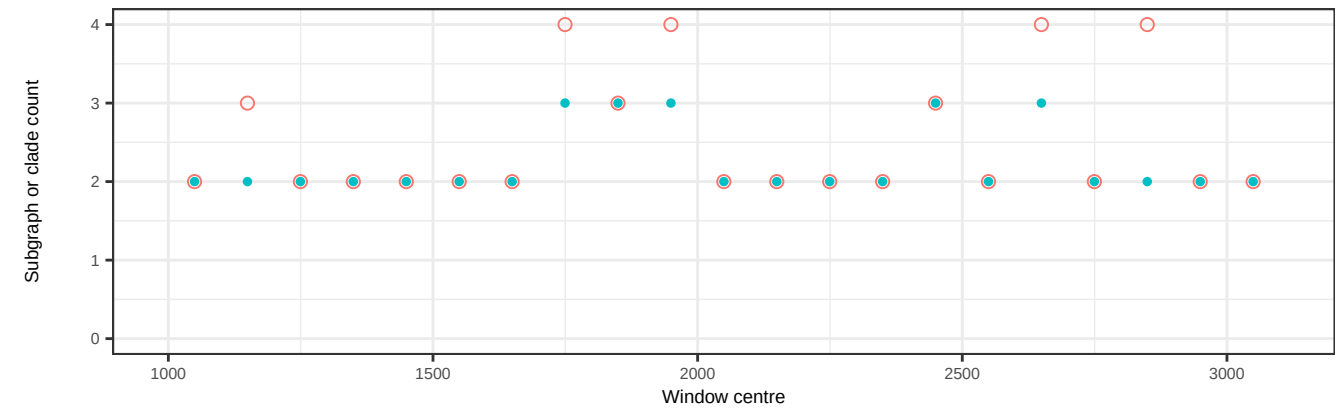

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

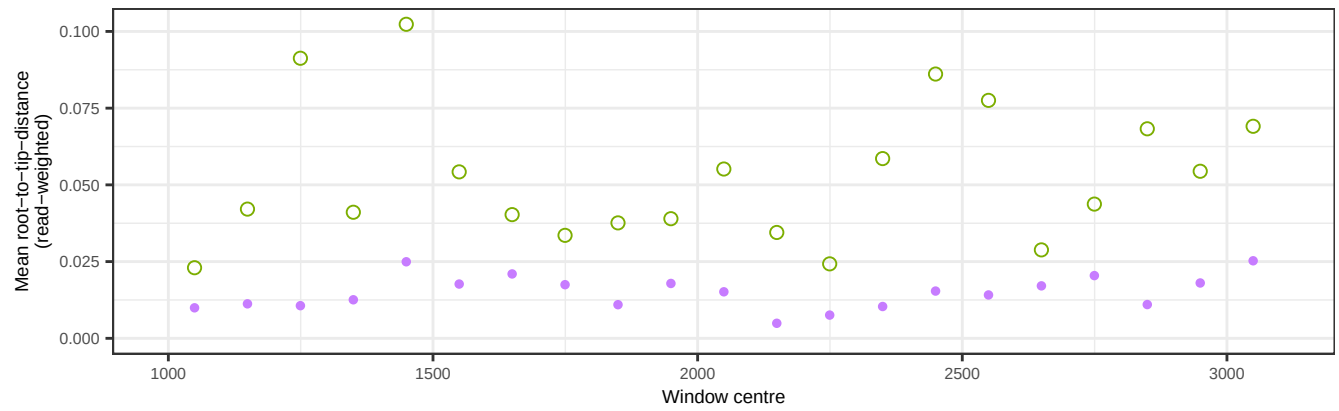

Mean pairwise patristic distance
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

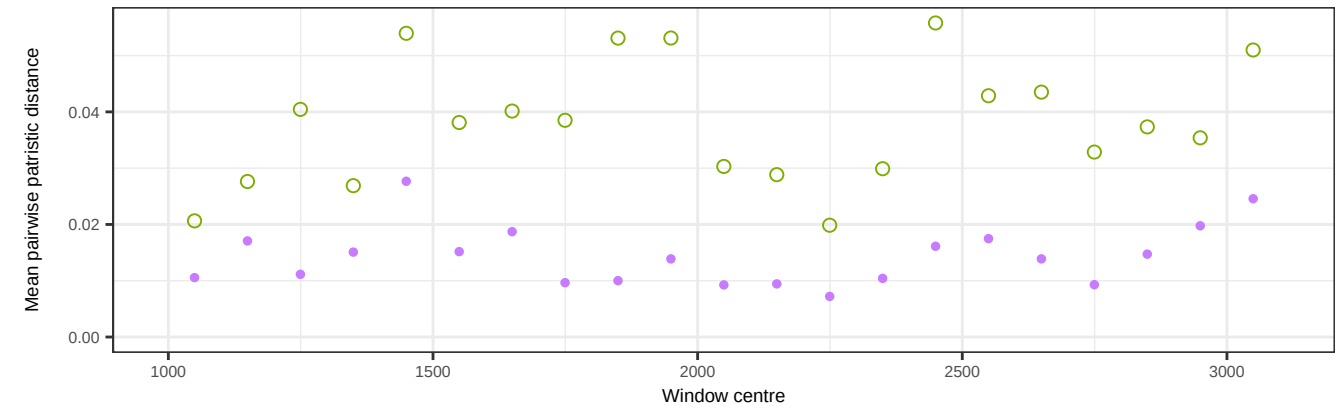

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

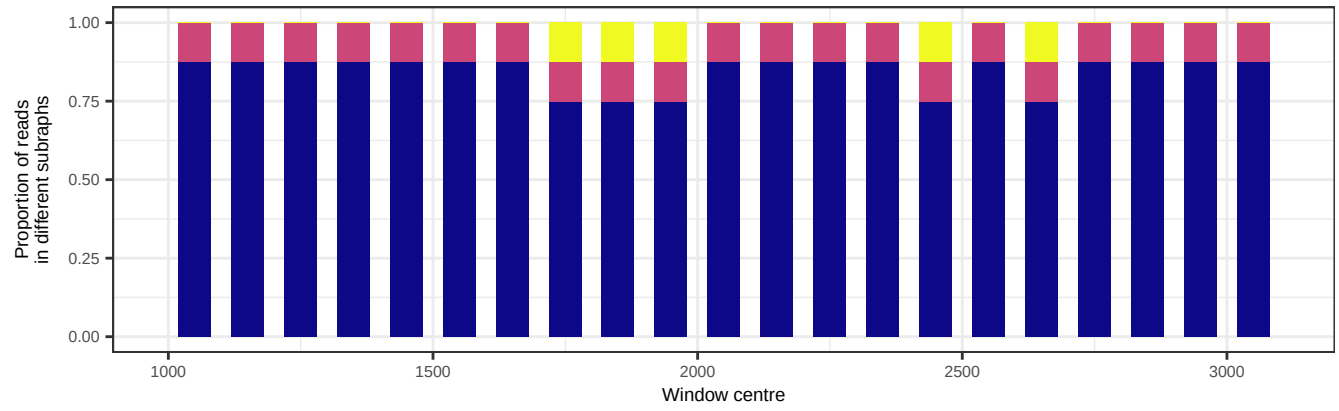
AQ16


Tip or read count
8.050
8.025
8.000
7.975
7.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

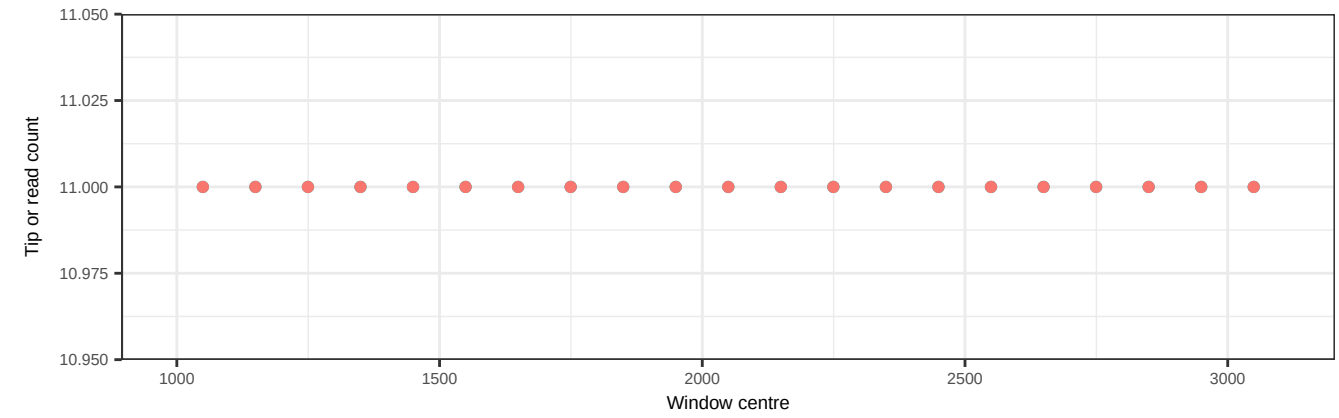

Subgraph or clade count
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

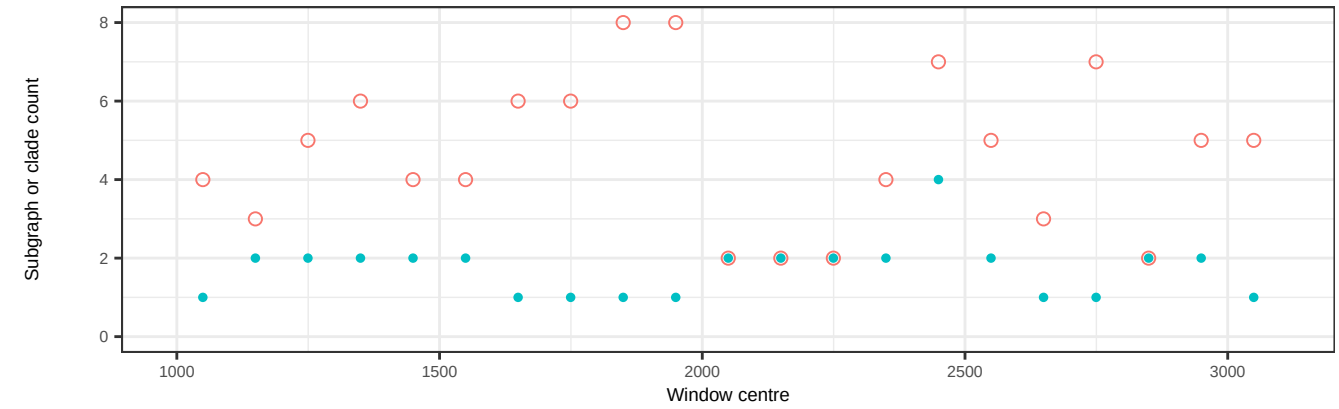

Mean root−to−tip−distance (read−weighted)
0.100
0.075
0.050
0.025
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

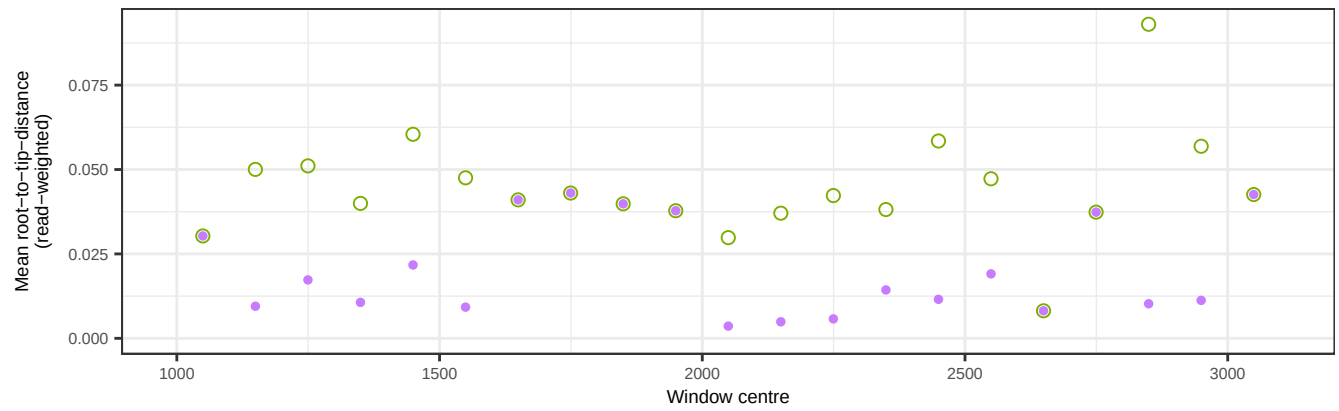

Mean pairwise patristic distance
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

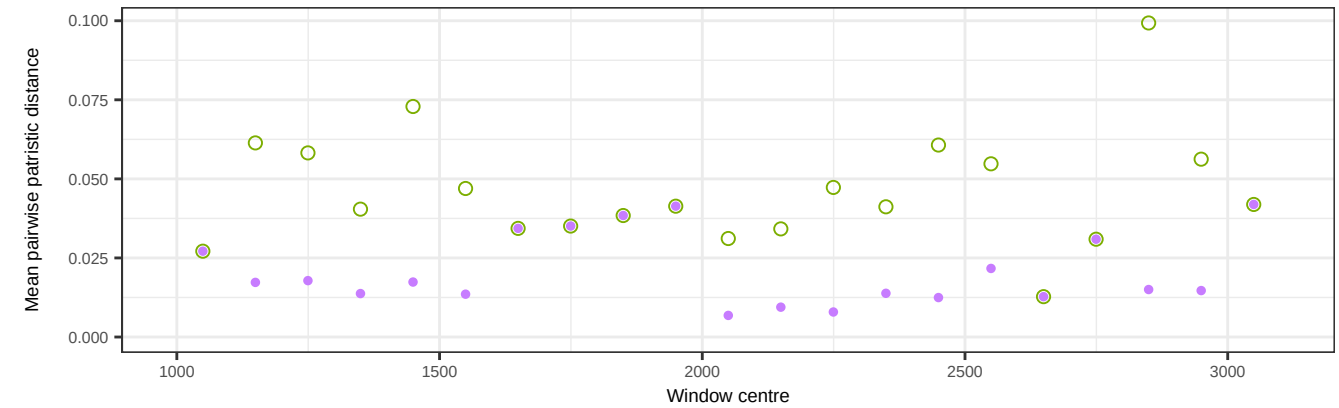

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank (by tip count)
3
2
1

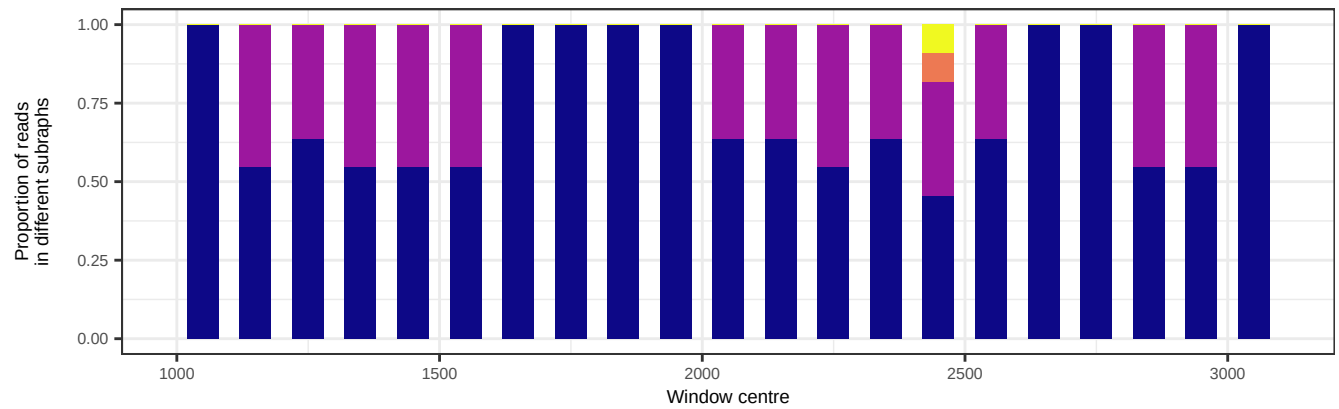
AQ25


Tip or read count
11.050
11.025
11.000
10.975
10.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

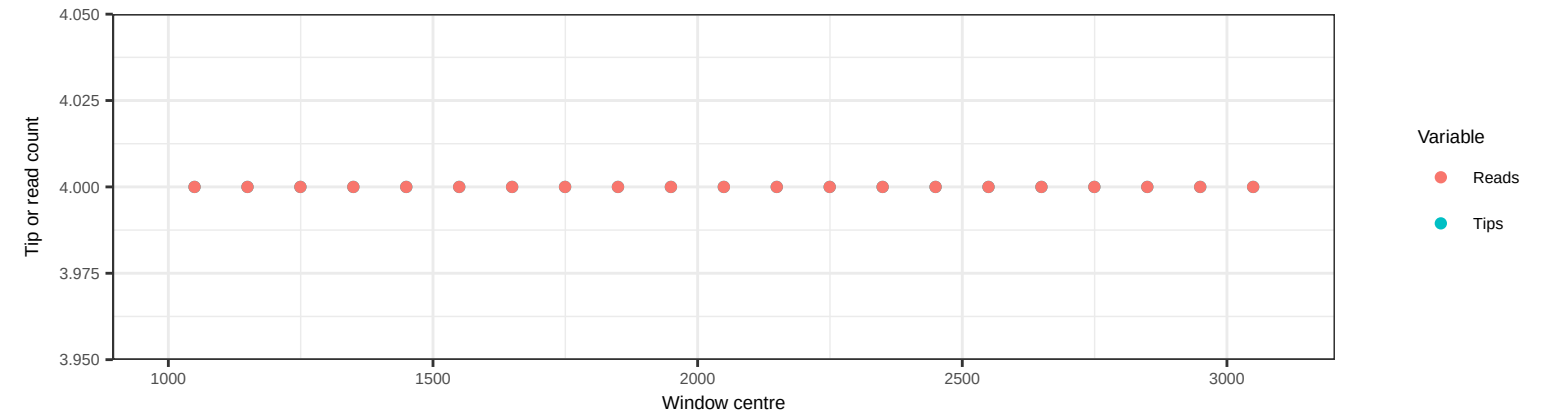

Subgraph or clade count
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

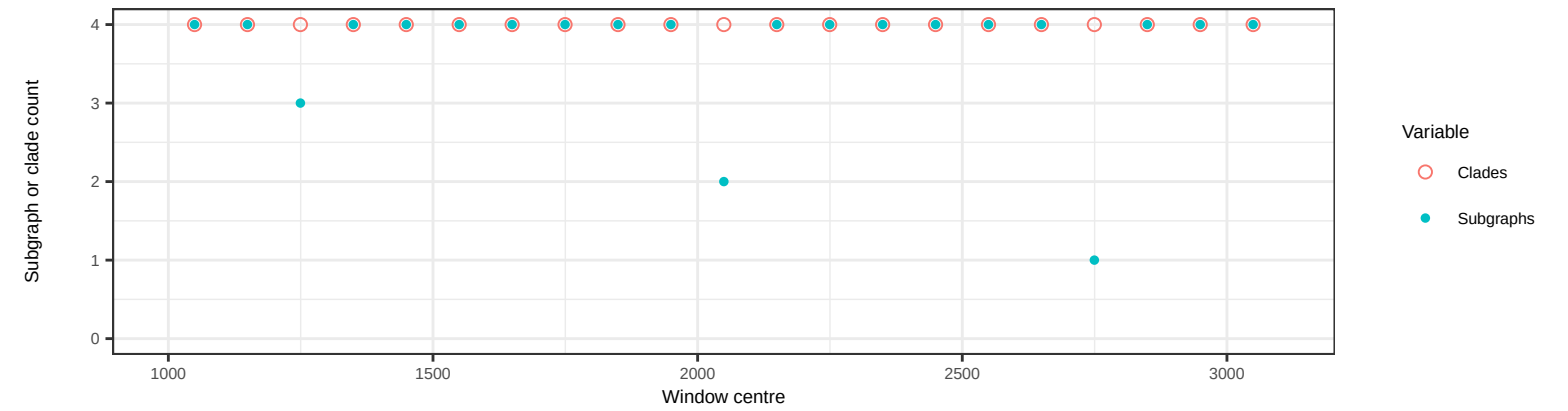

Mean root−to−tip−distance
(read−weighted)
0.075
0.050
0.025
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

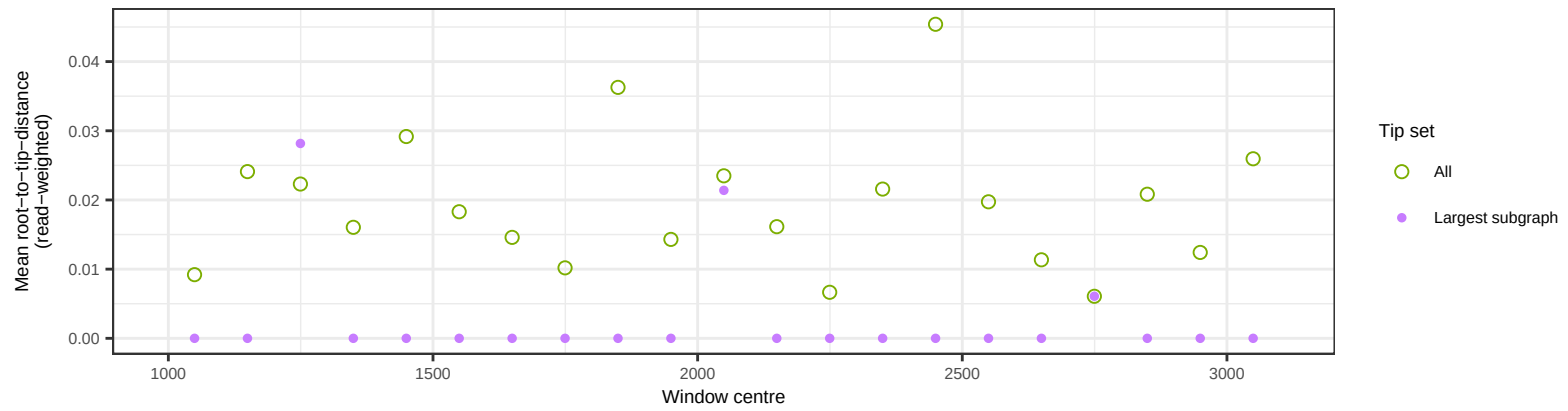

Mean pairwise patristic distance
0.100
0.075
0.050
0.025
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

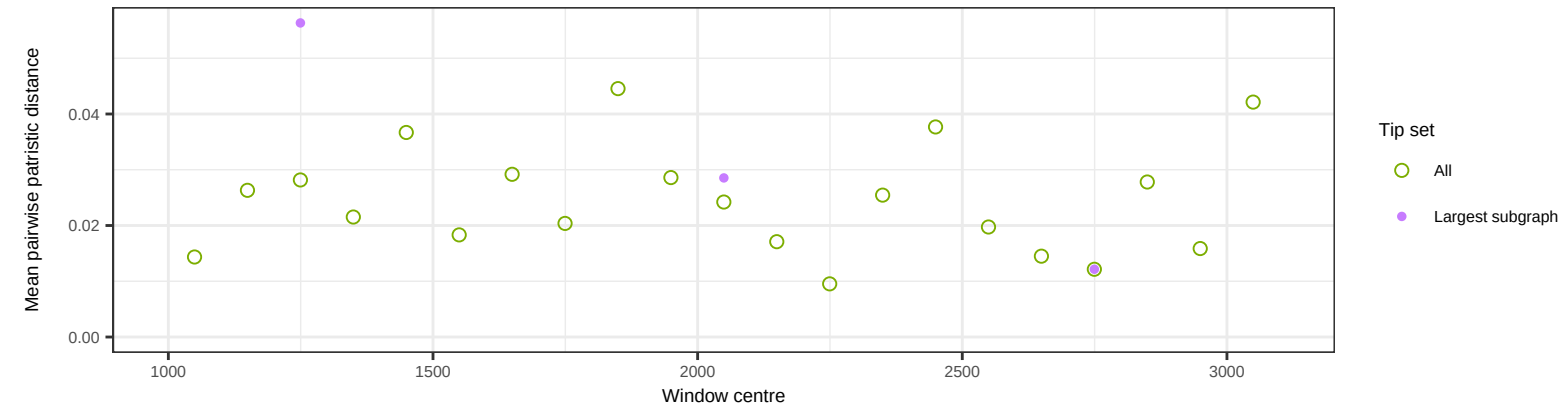

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
4
3
2
1

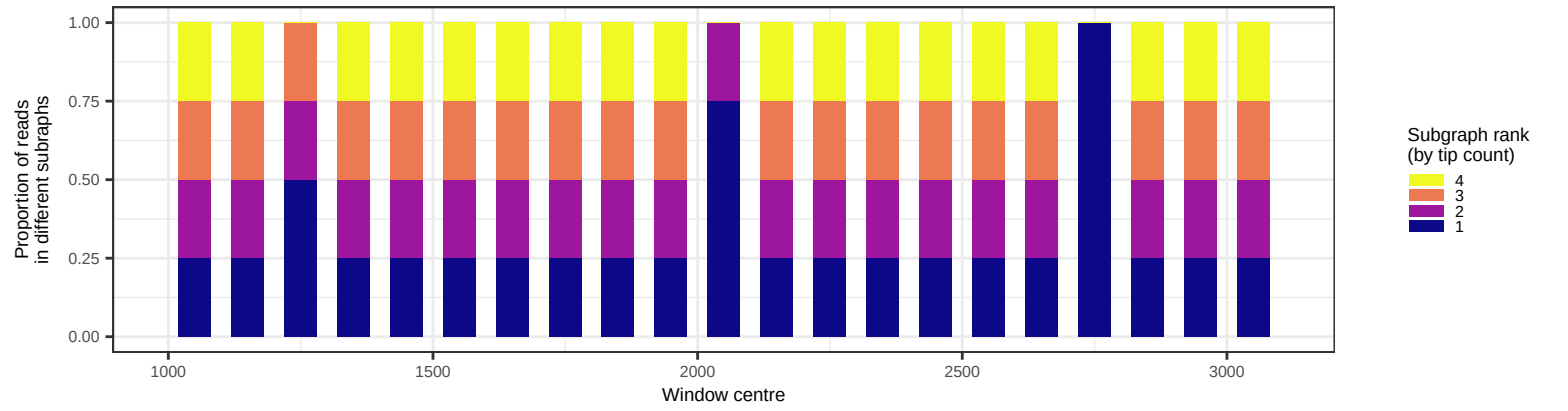
AQ28


Tip or read count
4.050
4.025
4.000
3.975
3.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

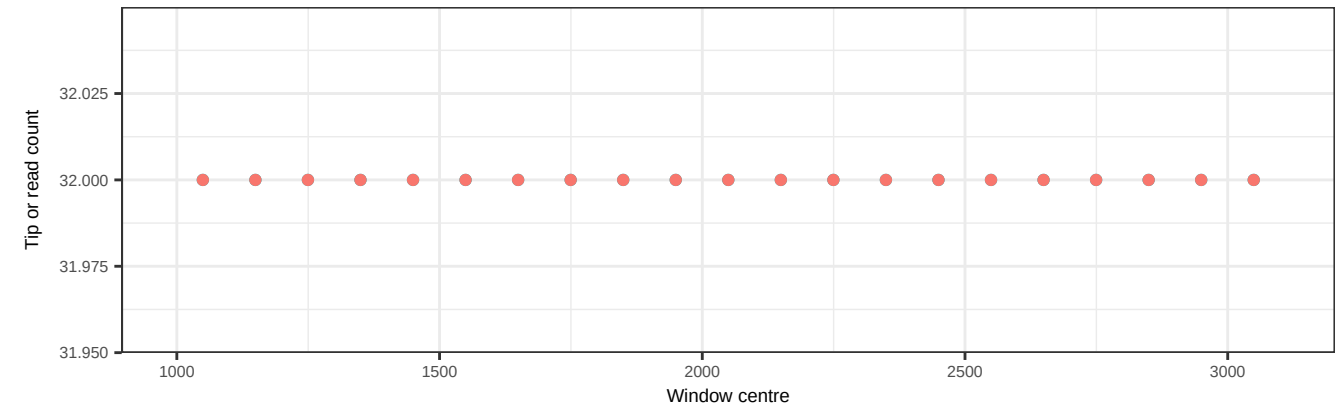

Subgraph or clade count
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

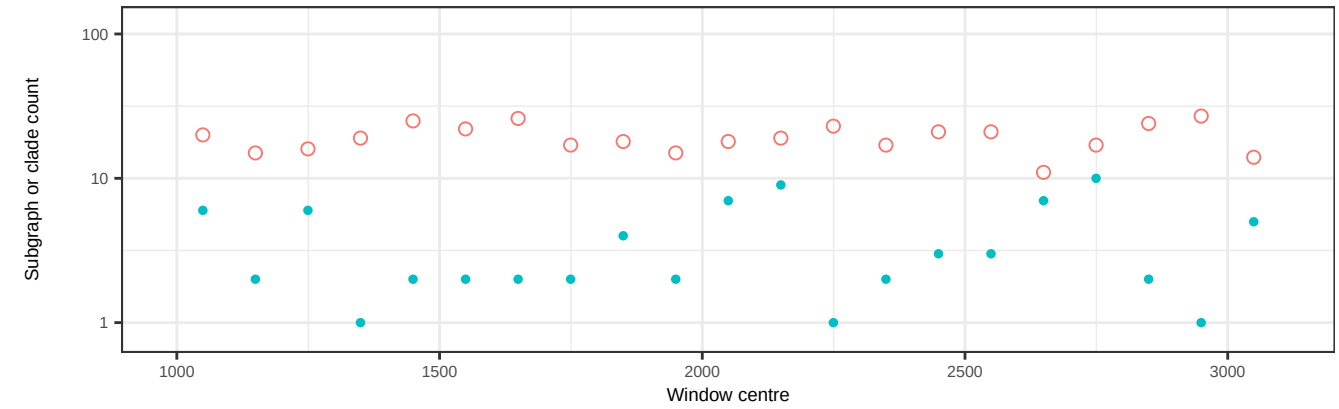

Mean root−to−tip−distance (read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

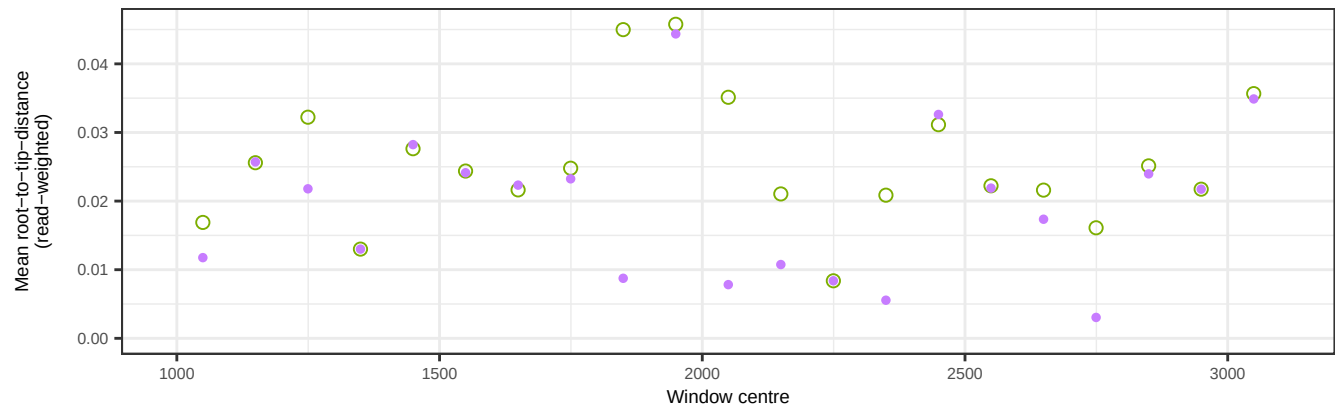

Mean pairwise patristic distance
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

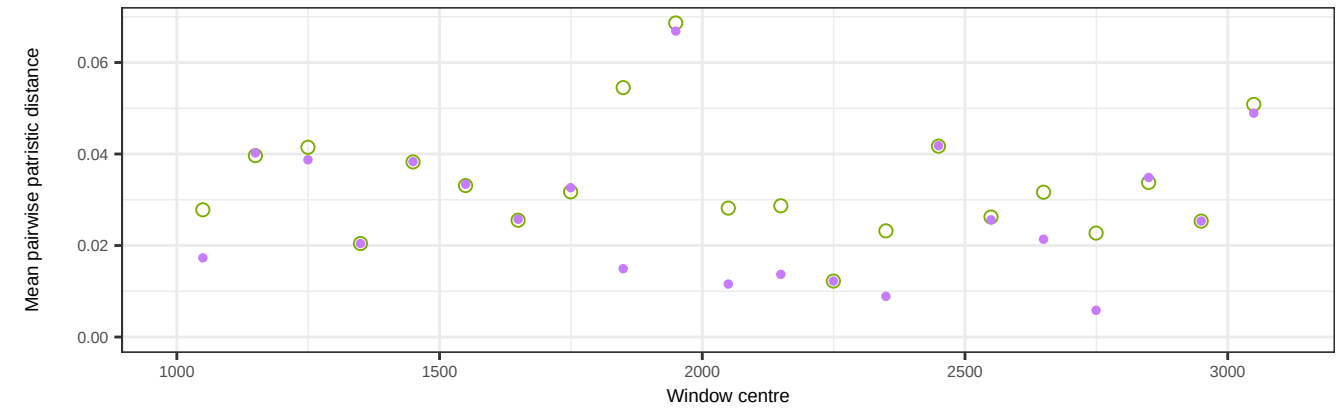

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank (by tip count)
4
3
2
1

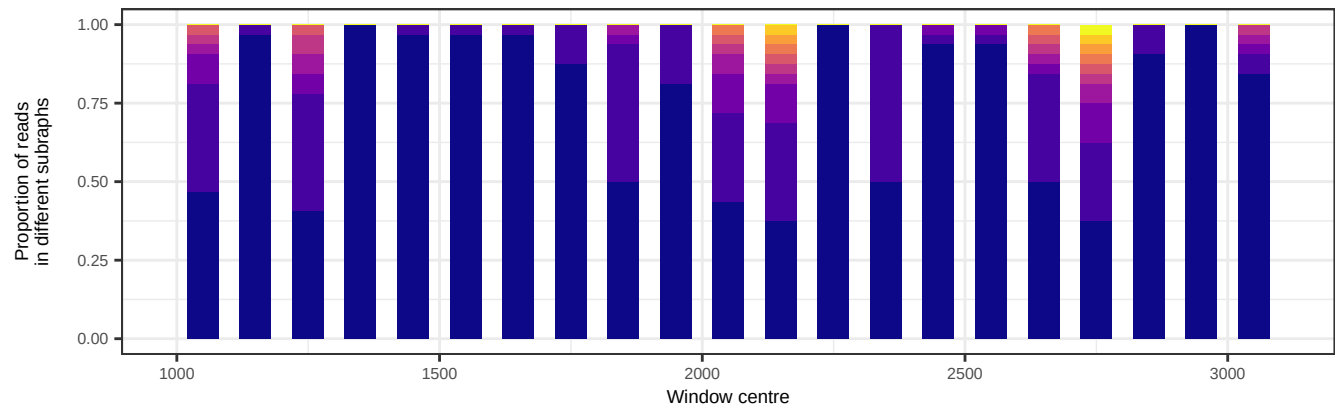
AQ4


Tip or read count
32.025
32.000
31.975
31.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

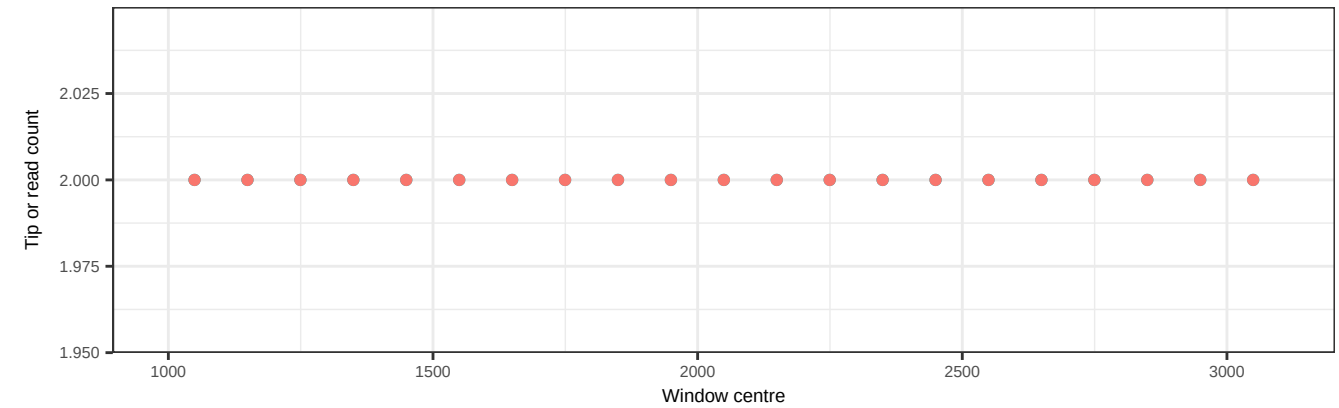

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

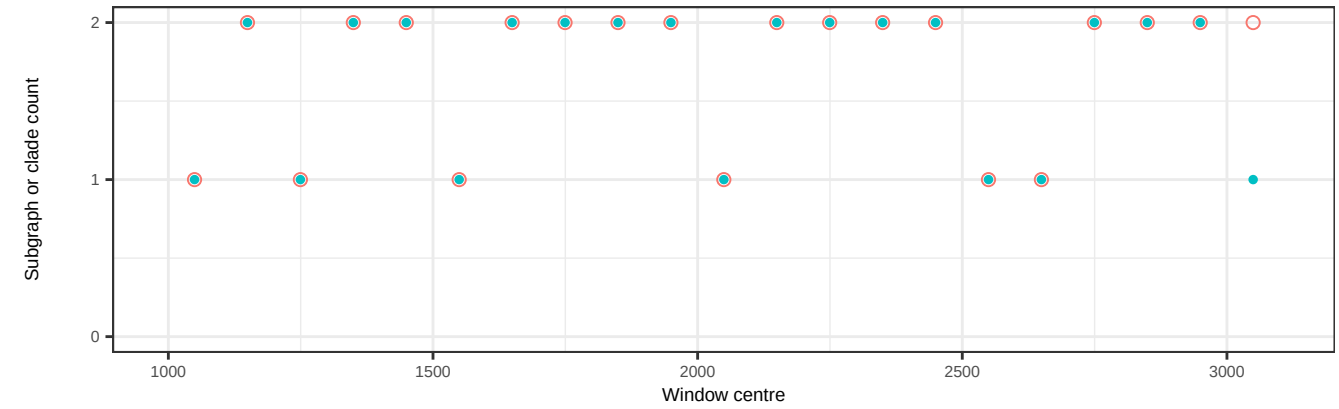

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

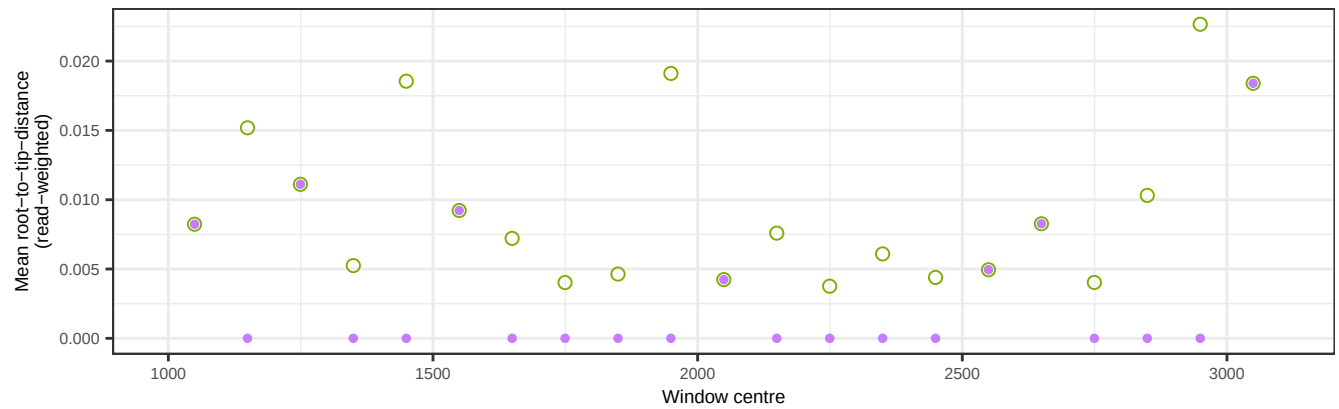

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

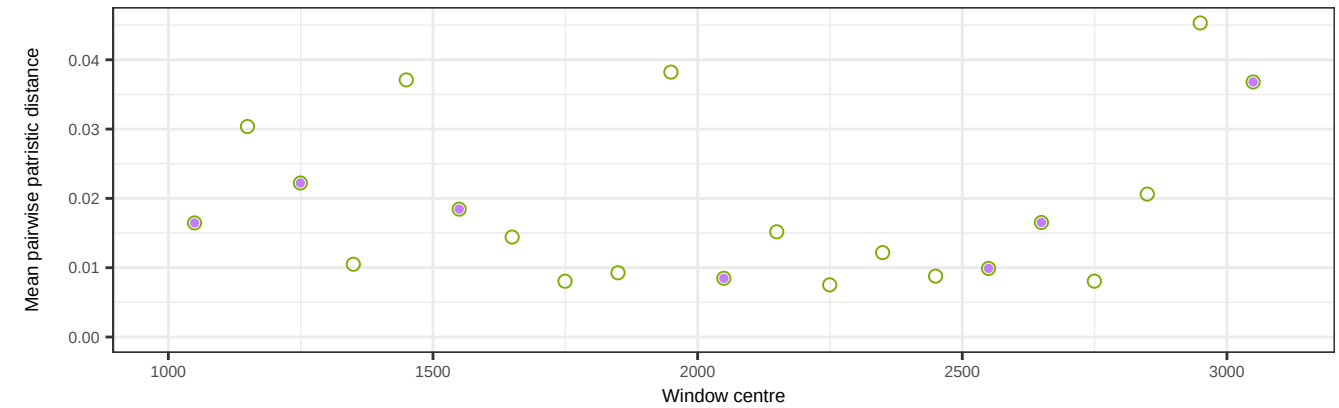

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
10
9
8
7
6
5
4
3
2
1

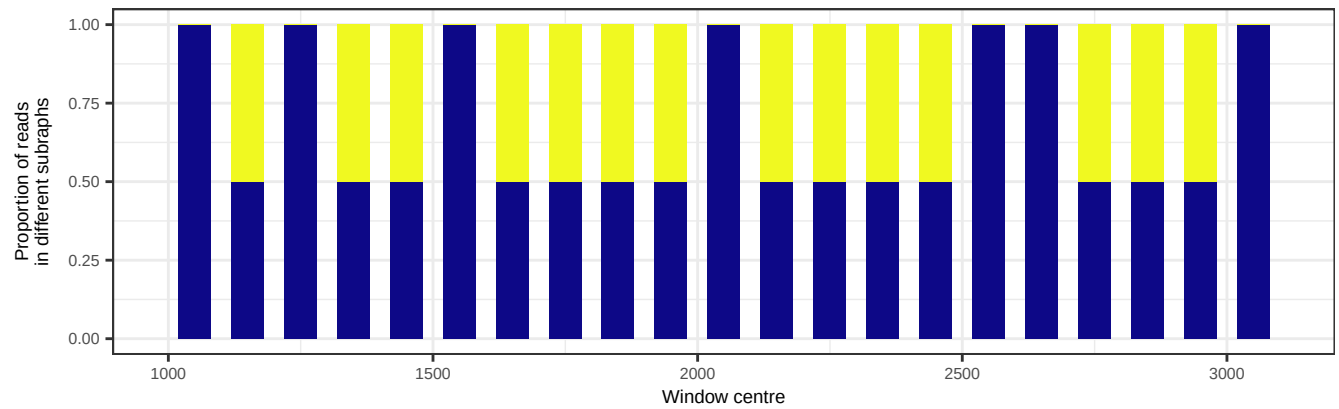
AQ6


Tip or read count
2.025
2.000
1.975
1.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

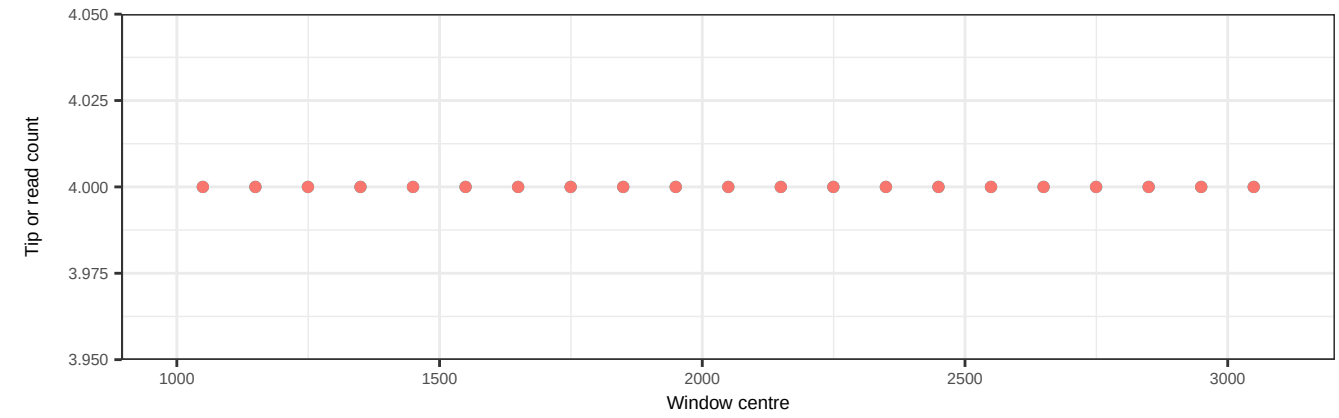

Subgraph or clade count
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

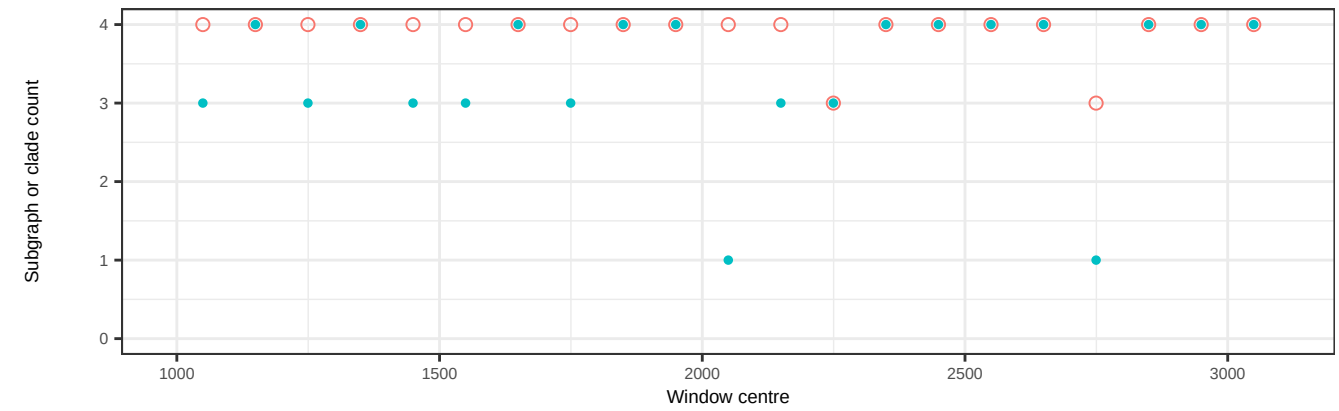

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

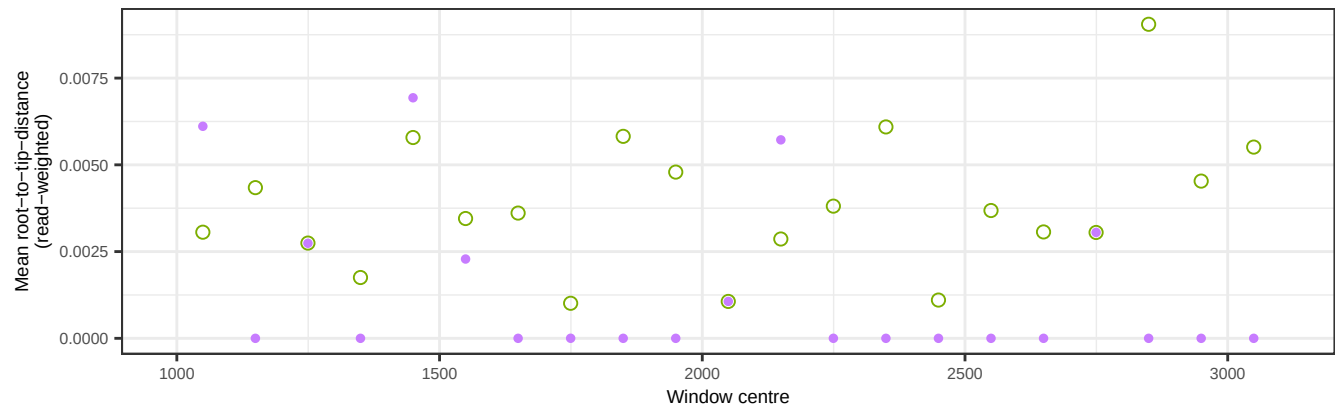

Mean pairwise patristic distance
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

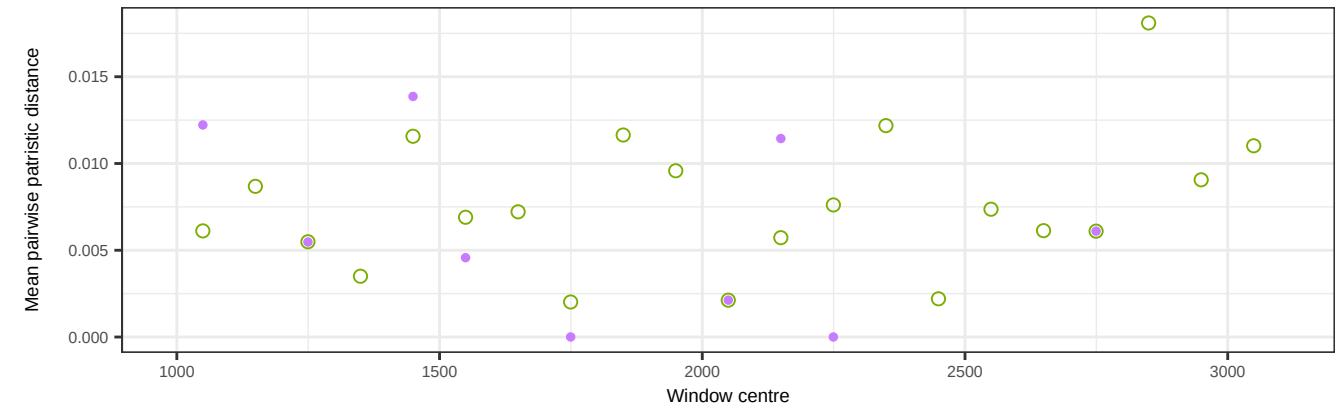

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
2
1

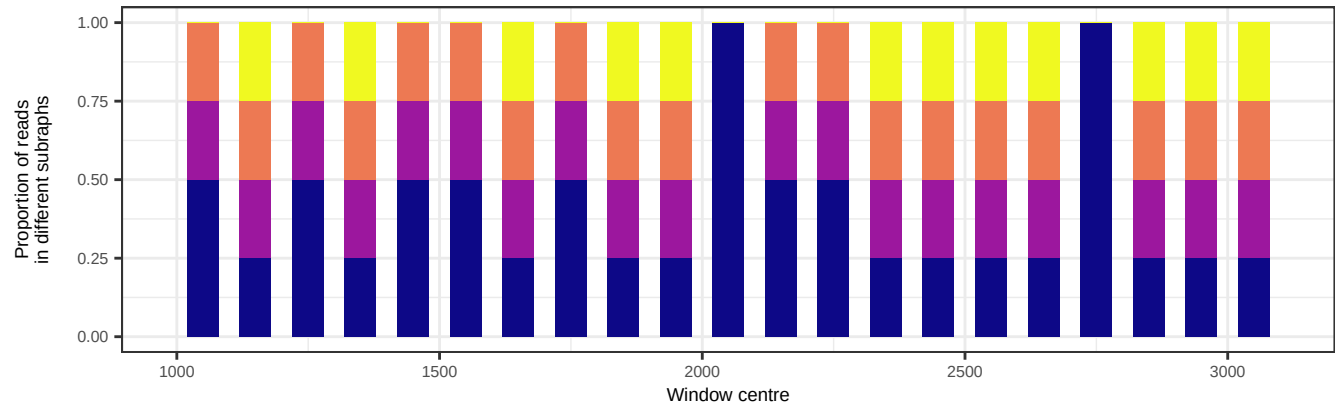
AQ89


Tip or read count
4.050
4.025
4.000
3.975
3.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

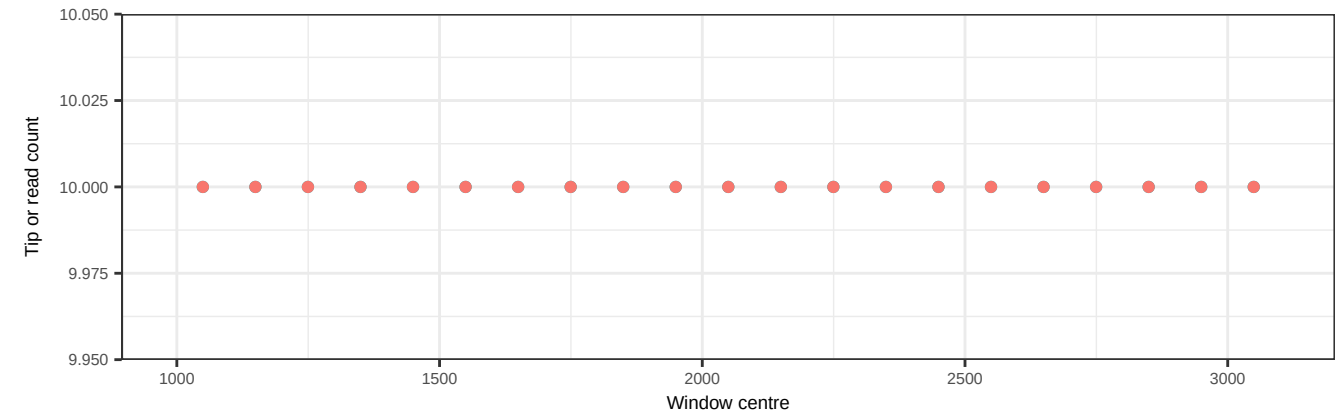

Subgraph or clade count
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

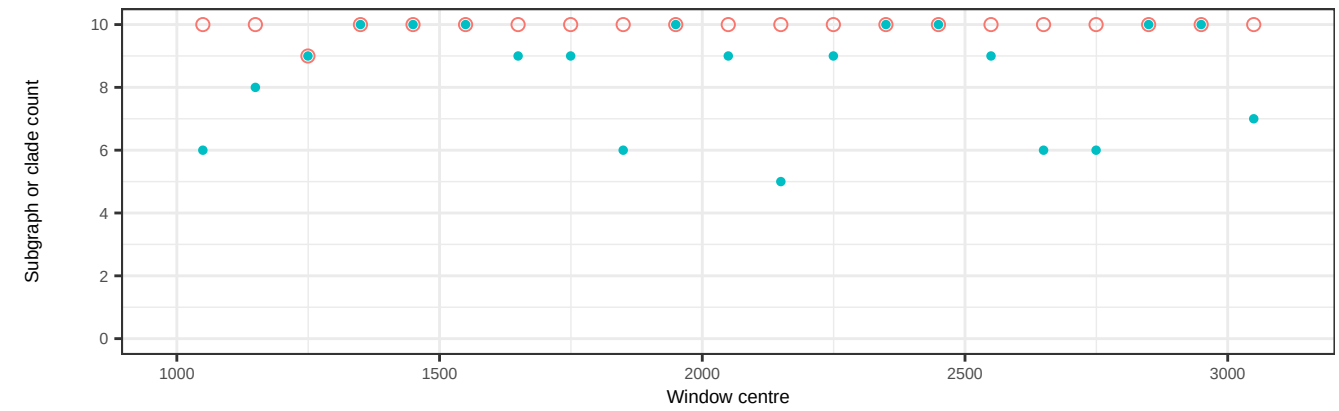

Mean root−to−tip−distance (read−weighted)
0.0075
0.0050
0.0025
0.0000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

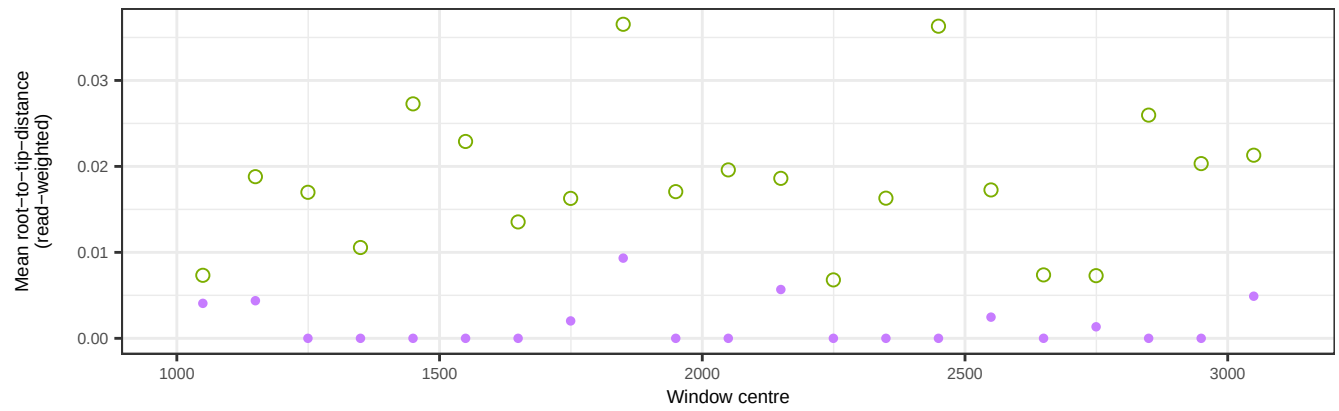

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

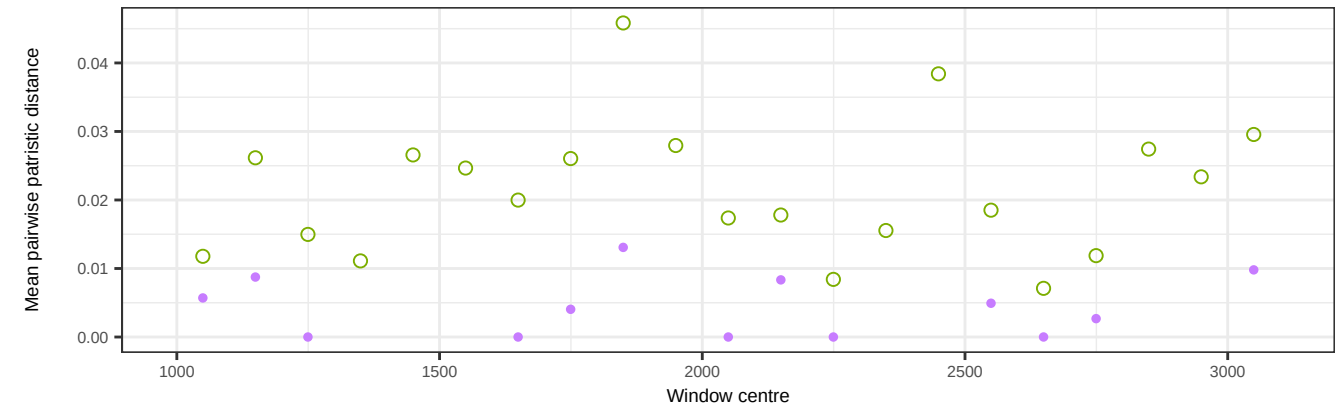

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank (by tip count)
4
3
2
1

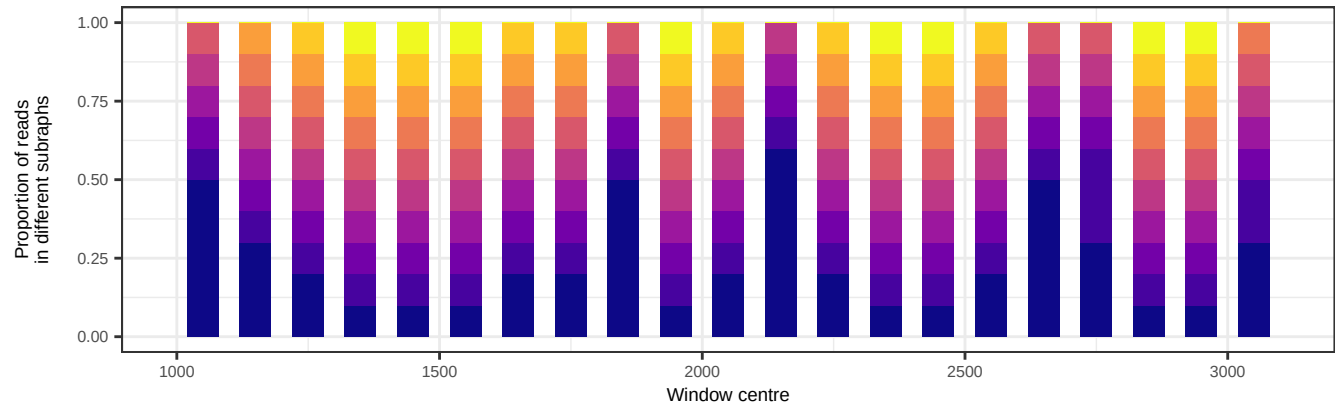
AQ90


Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

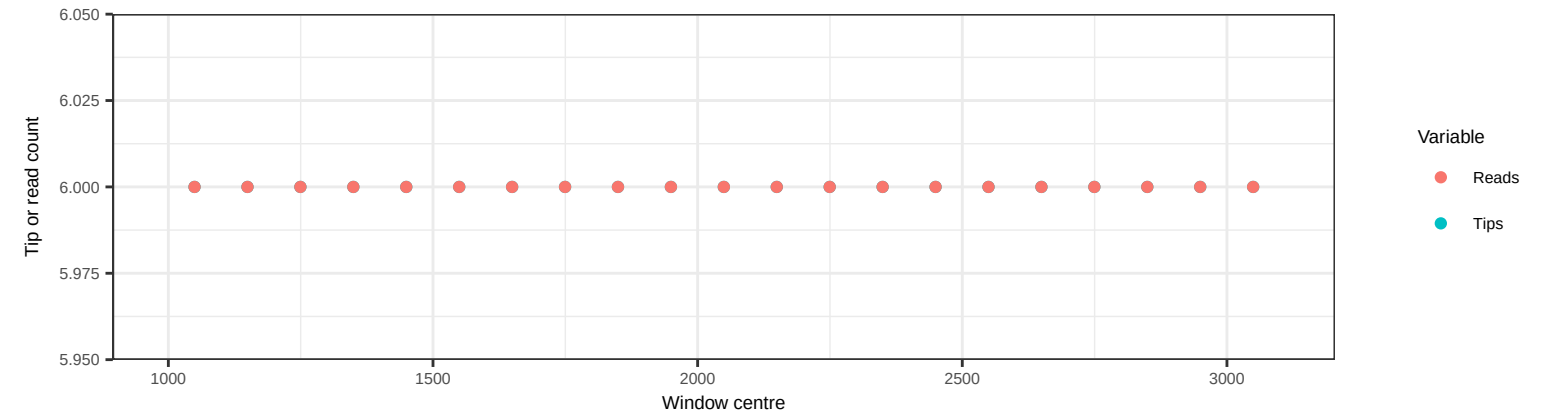

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

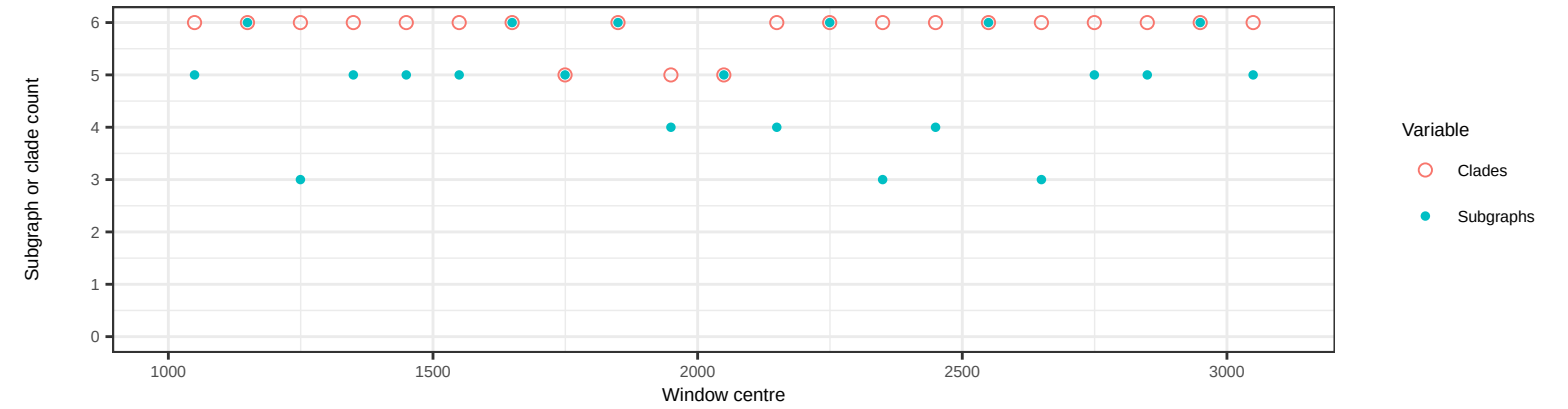

Mean root−to−tip−distance
(read−weighted)
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

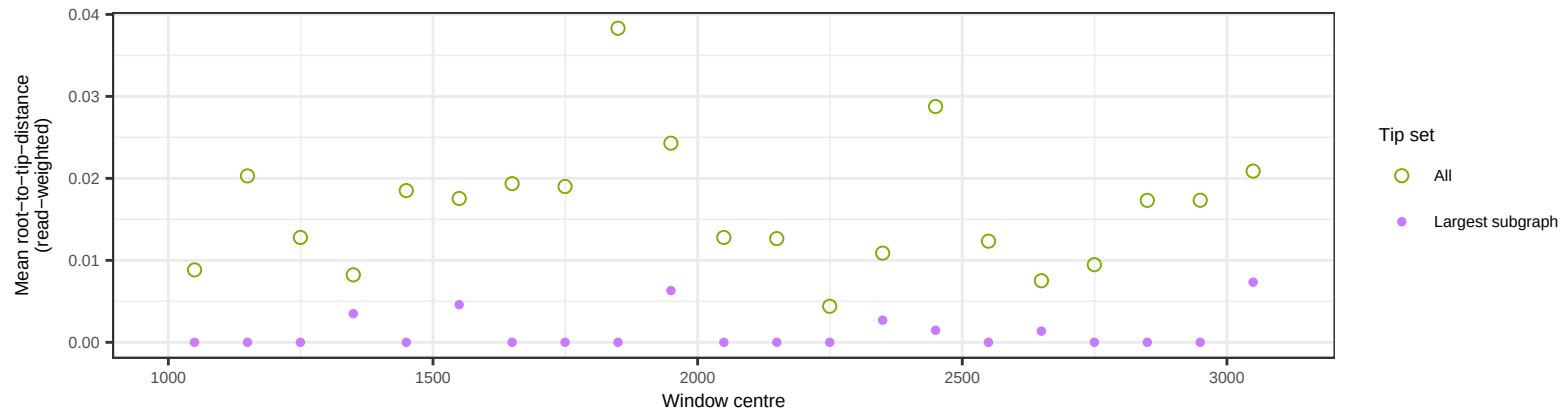

Mean pairwise patristic distance
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

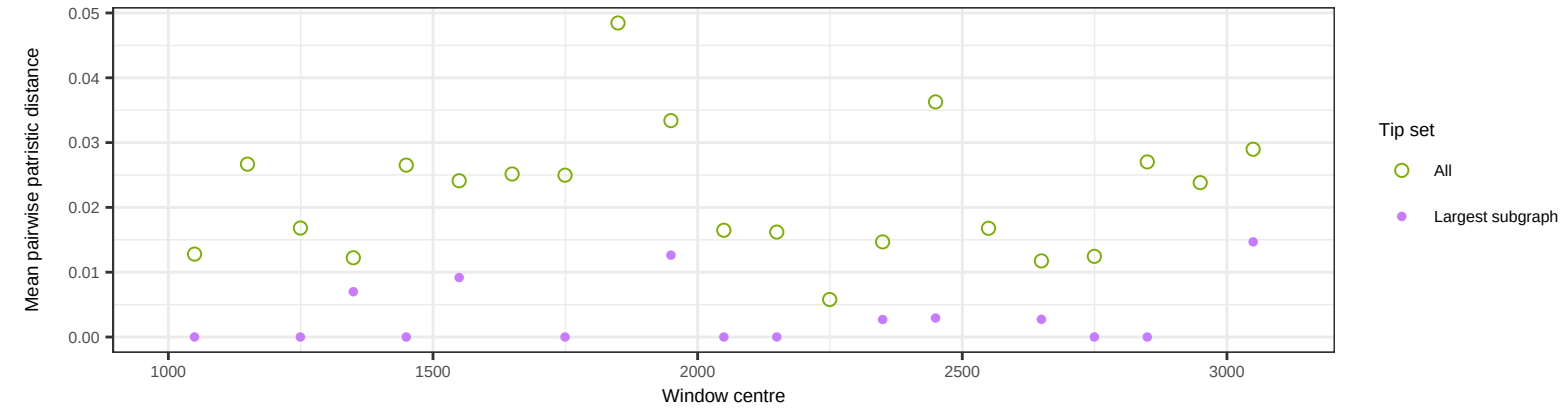

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
10
9
8
7
6
5
4
3
2
1

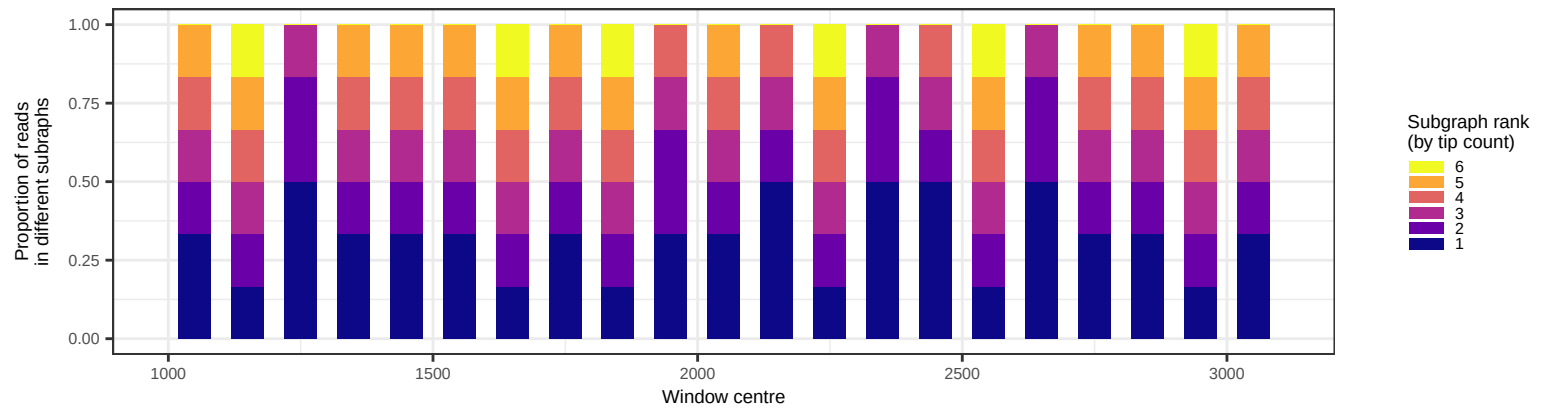
AQ92


Tip or read count
6.050
6.025
6.000
5.975
5.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

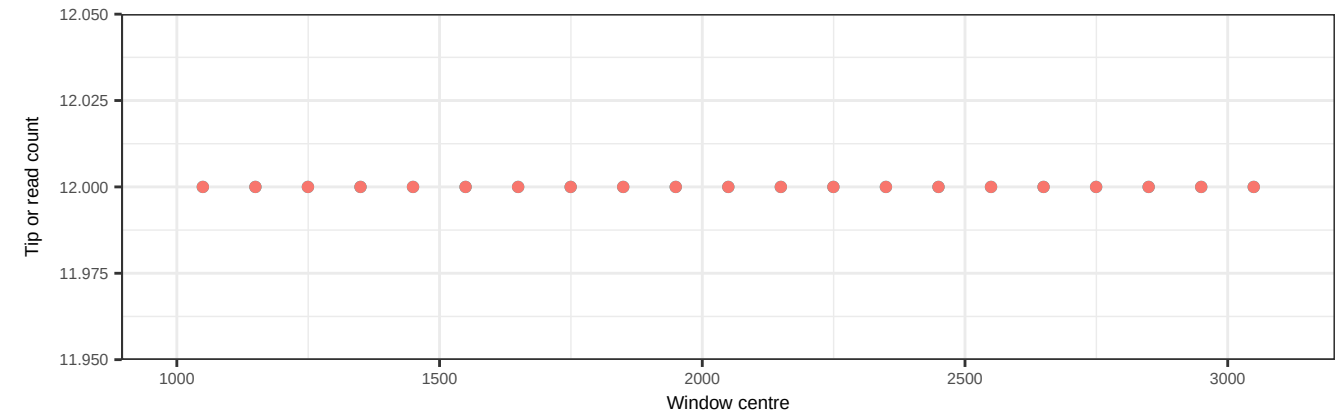

Subgraph or clade count
6
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

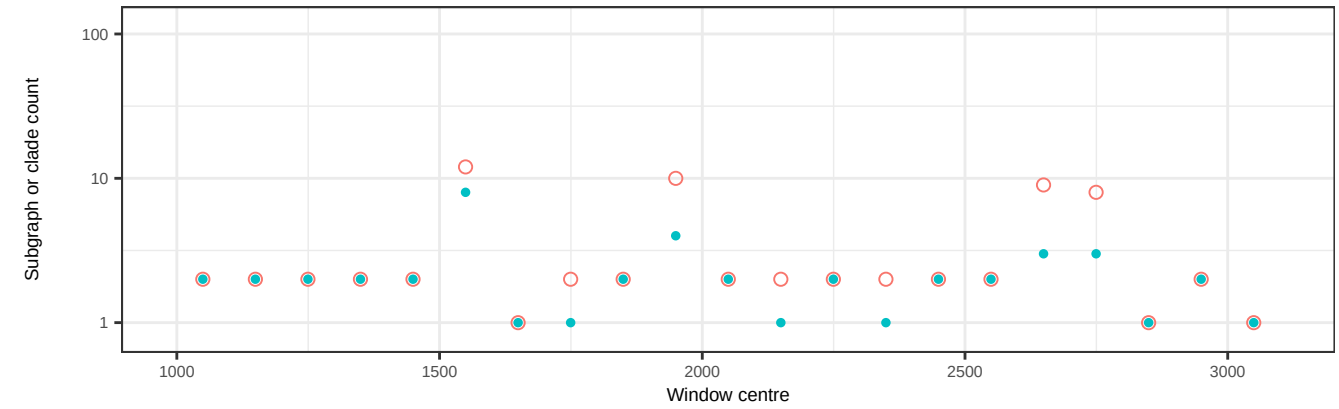

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

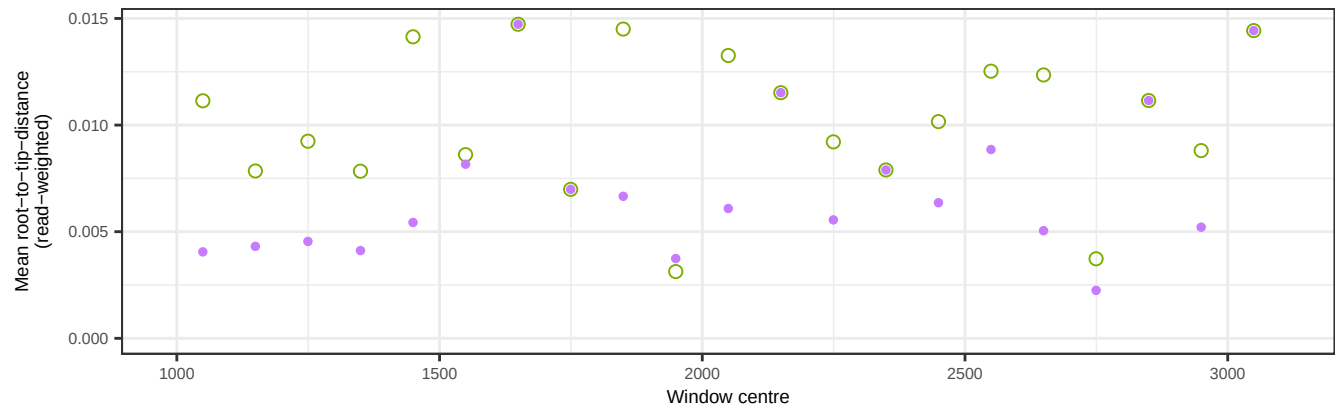

Mean pairwise patristic distance
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

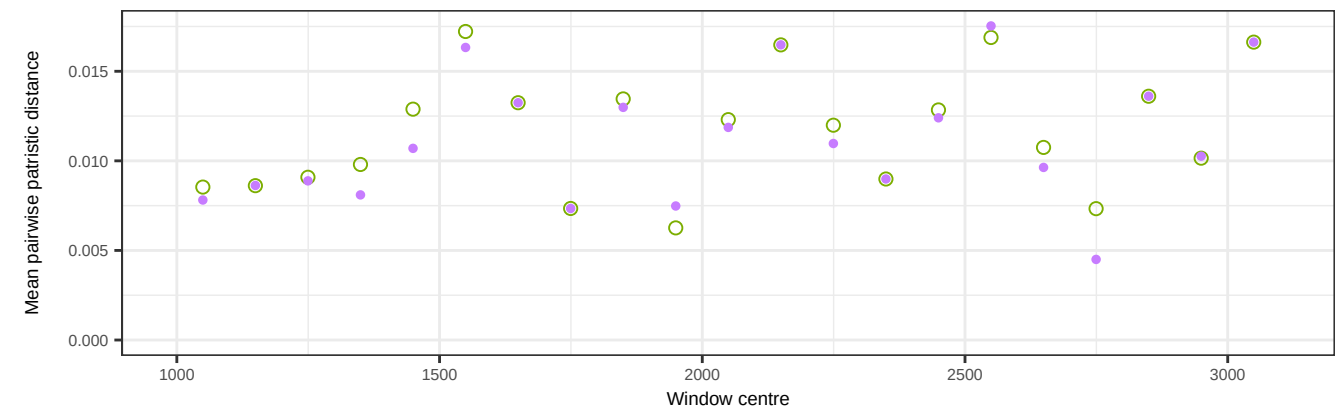

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

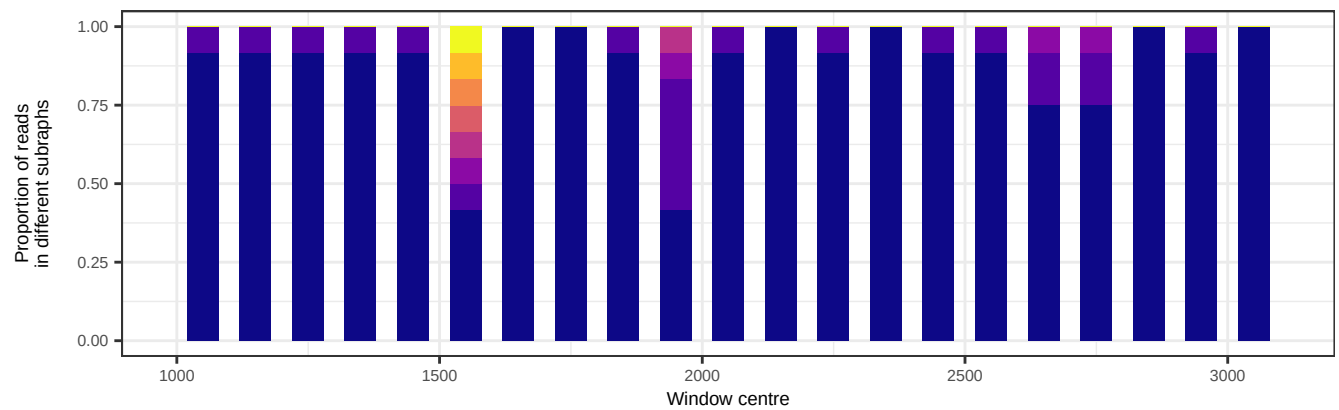
AR6


Tip or read count
12.050
12.025
12.000
11.975
11.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

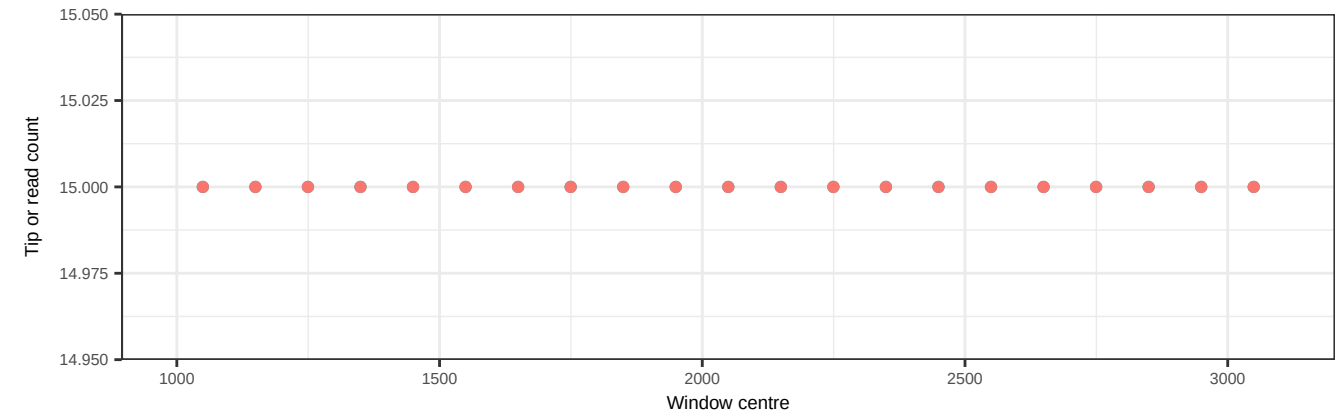

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

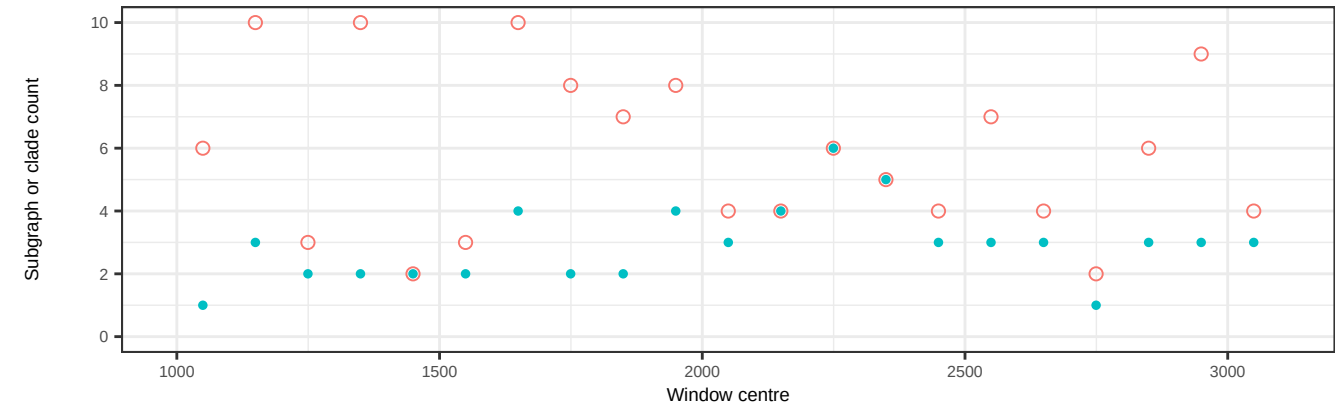

Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

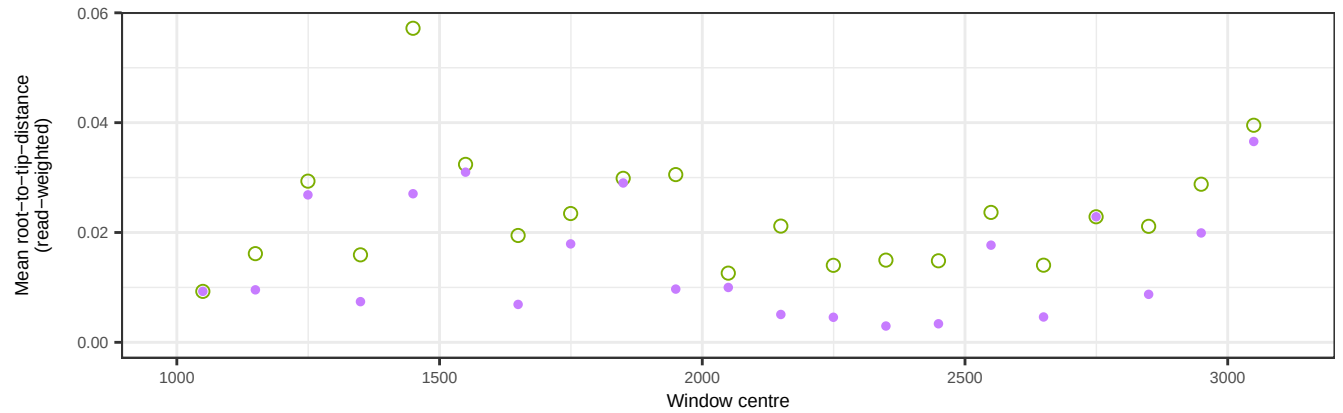

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

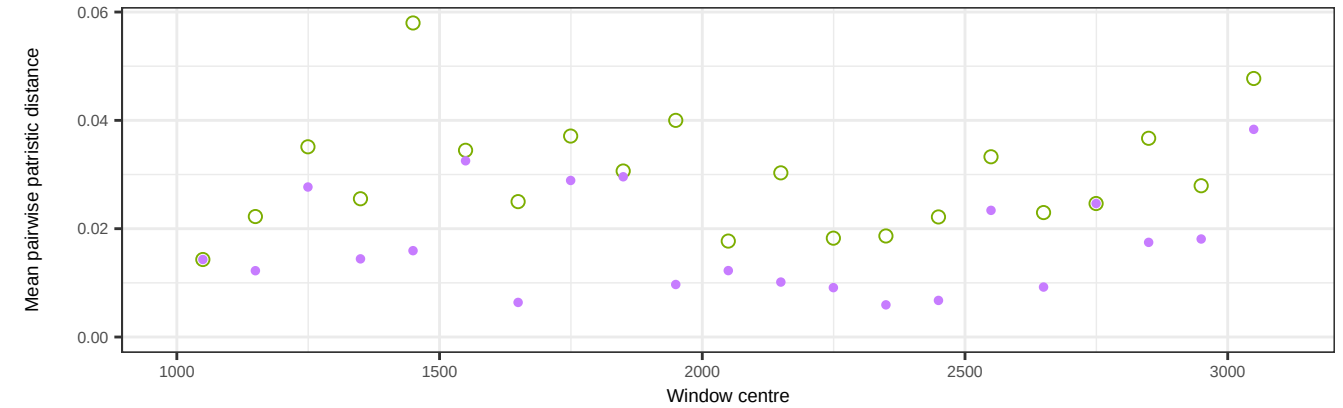

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
8
7
6
5
4
3
2
1

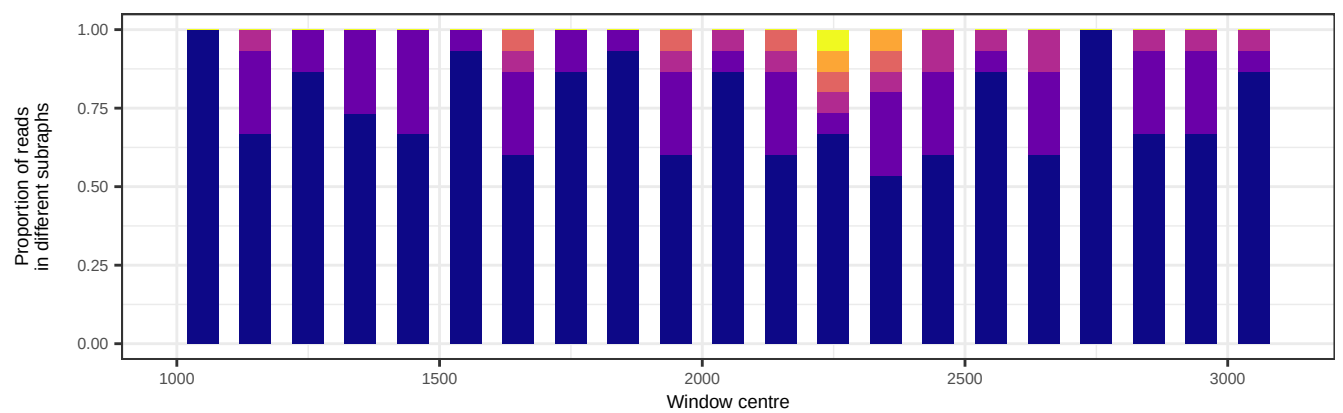
AR7


Tip or read count
15.050
15.025
15.000
14.975
14.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

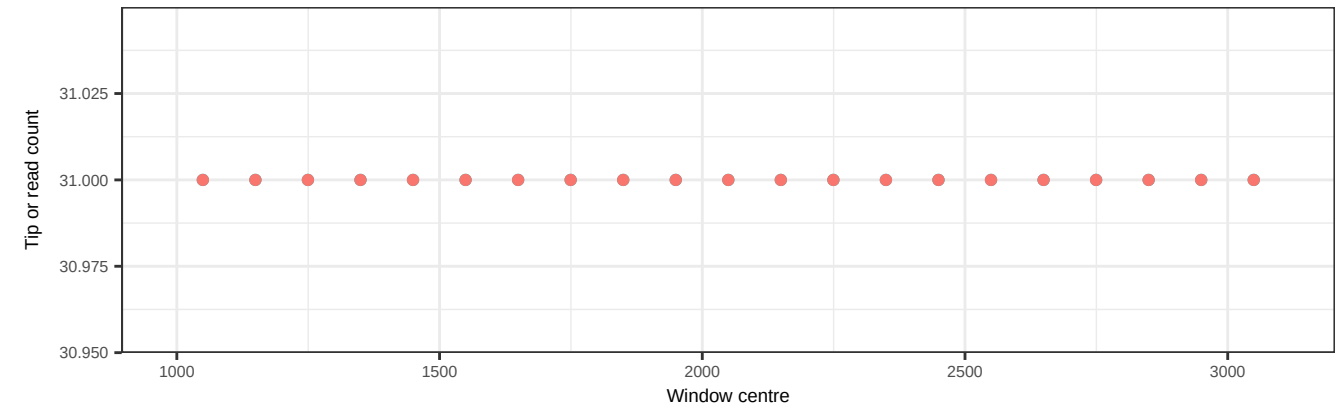

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

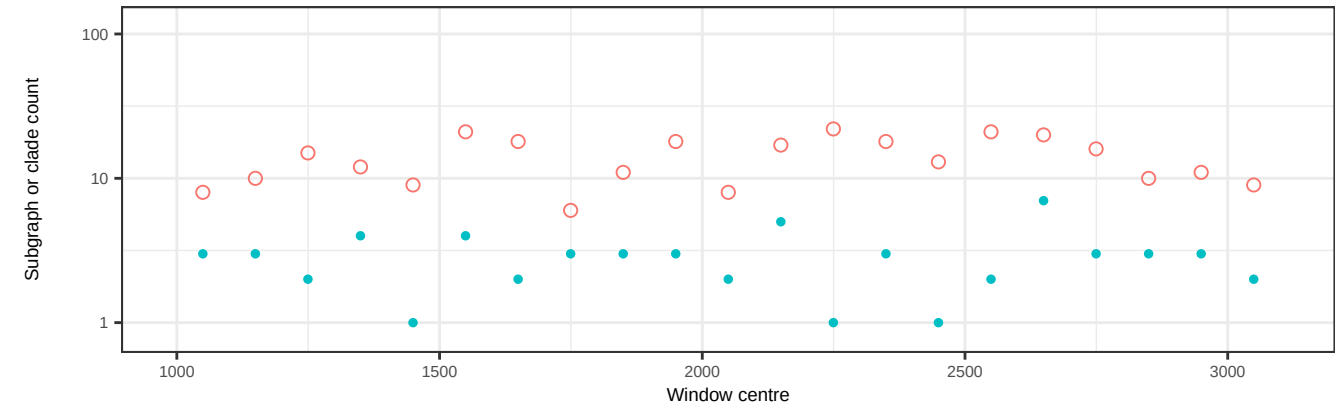

Mean root−to−tip−distance
(read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

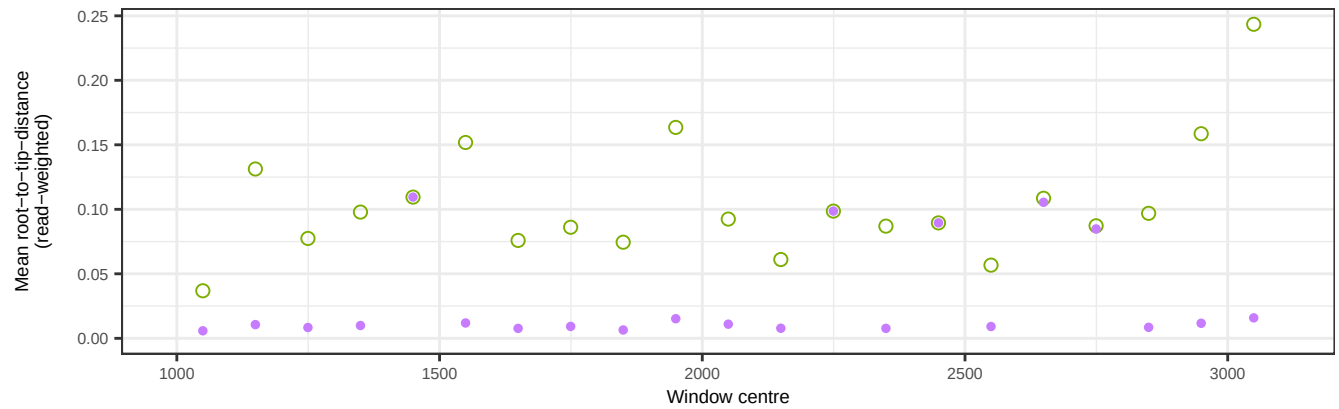

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

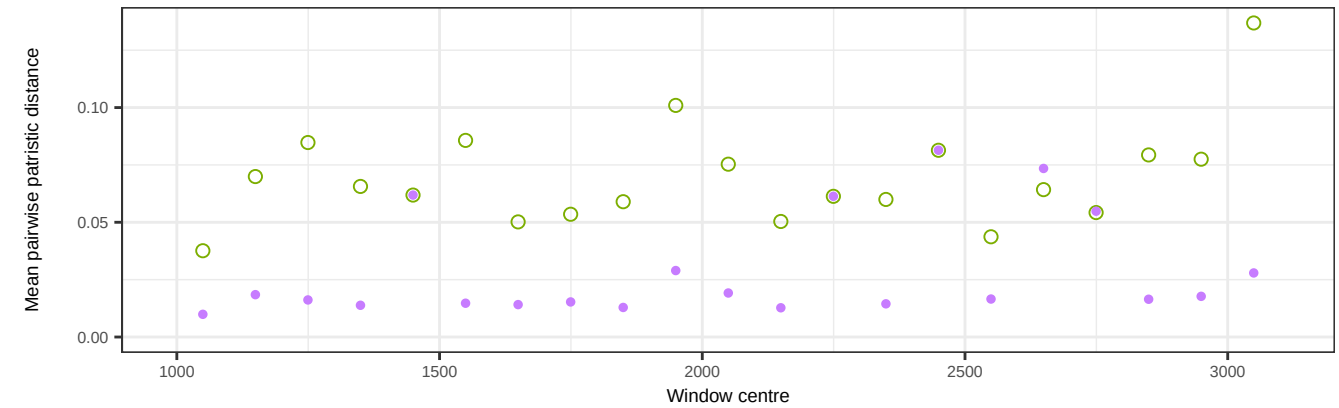

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

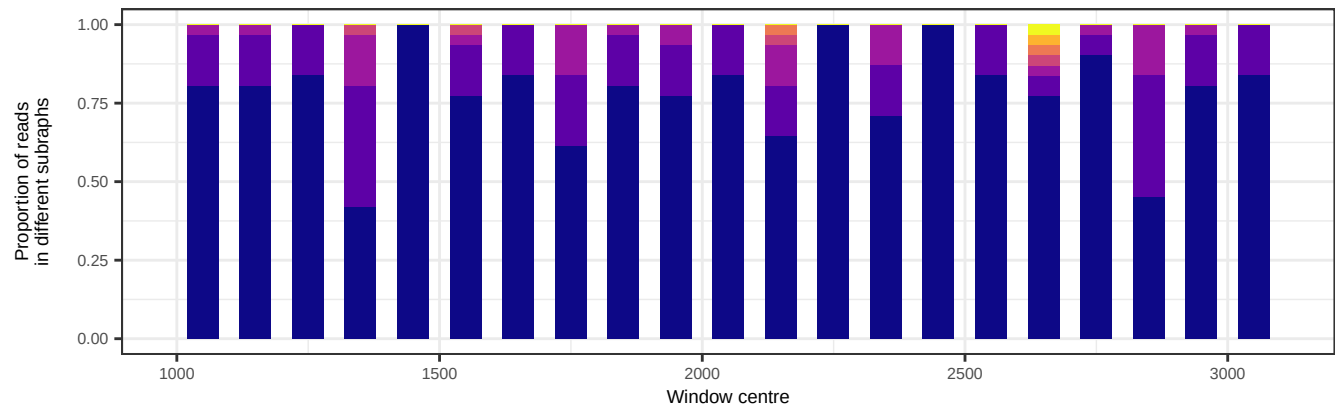
AR8


Tip or read count
31.025
31.000
30.975
30.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

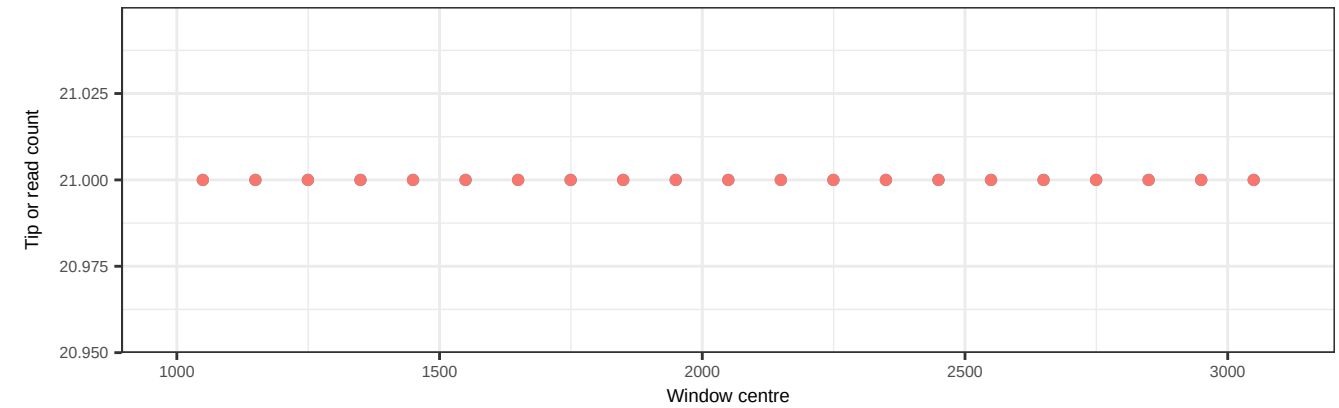

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

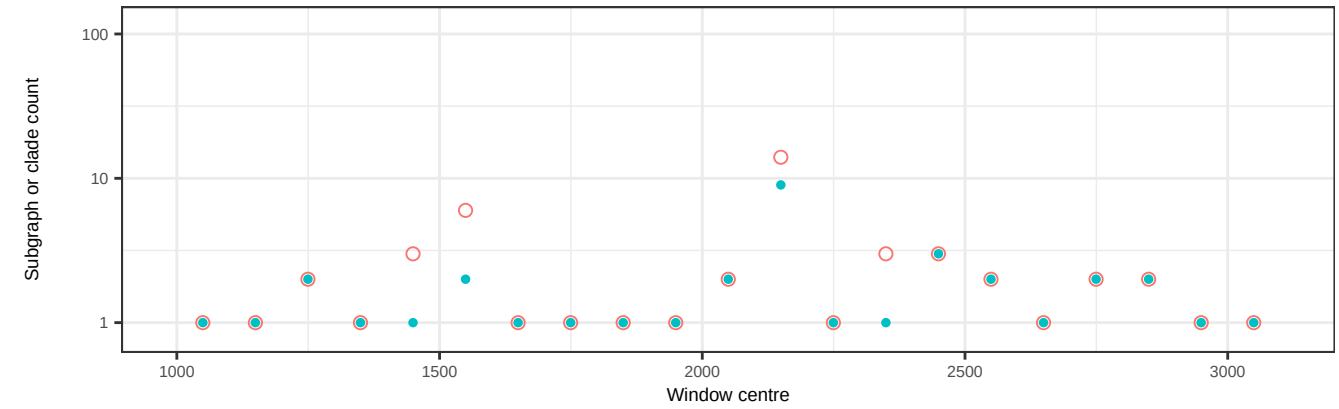

Mean root−to−tip−distance
(read−weighted)
0.25
0.20
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

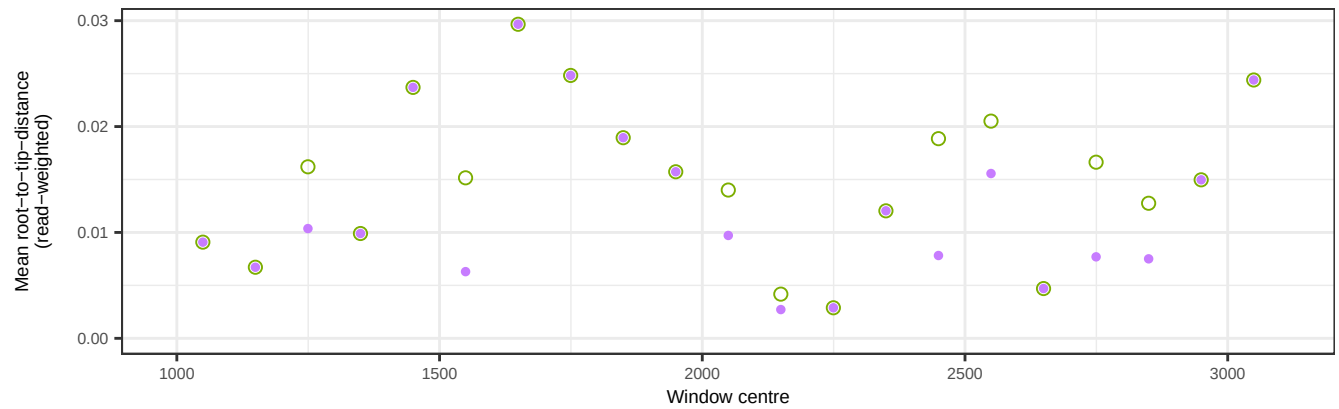

Mean pairwise patristic distance
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

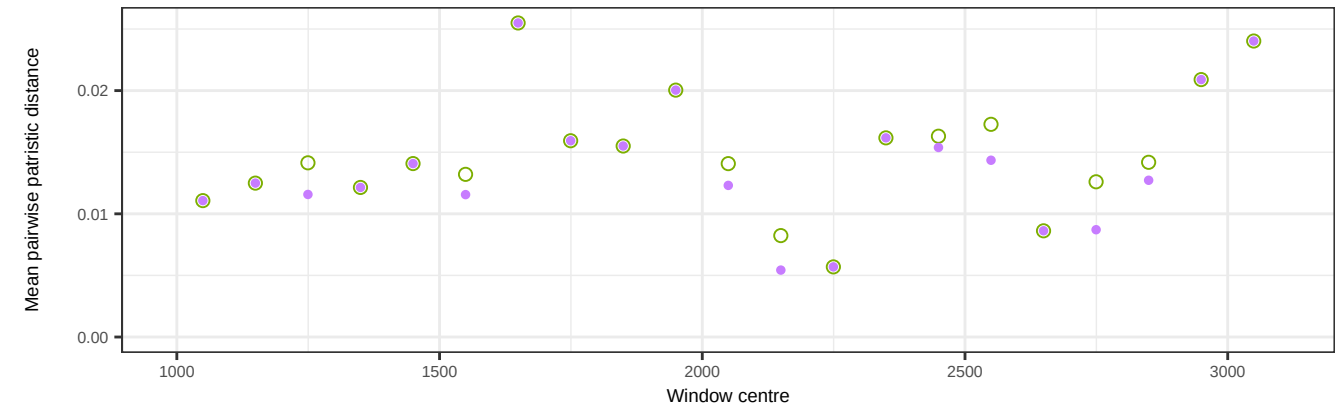

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

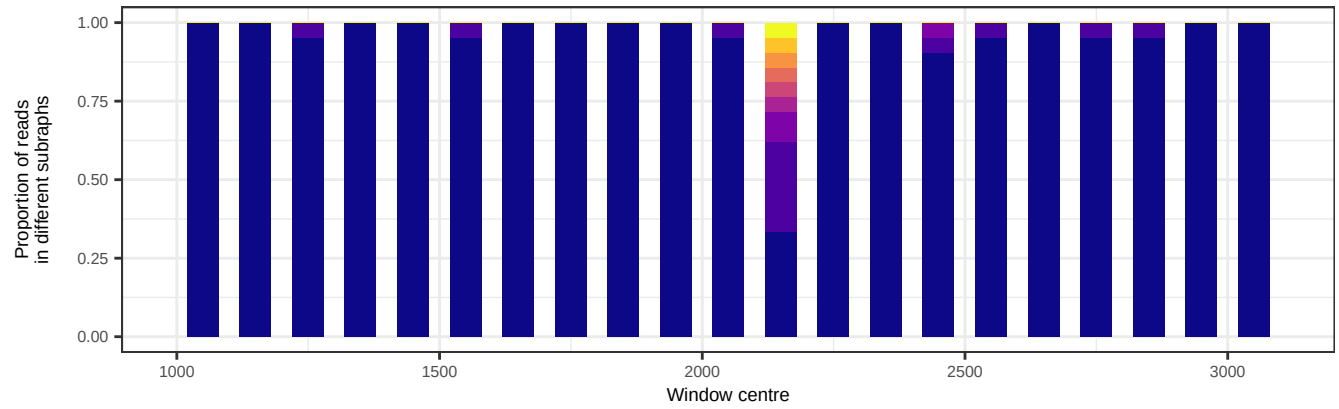
AR9


Tip or read count
21.025
21.000
20.975
20.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

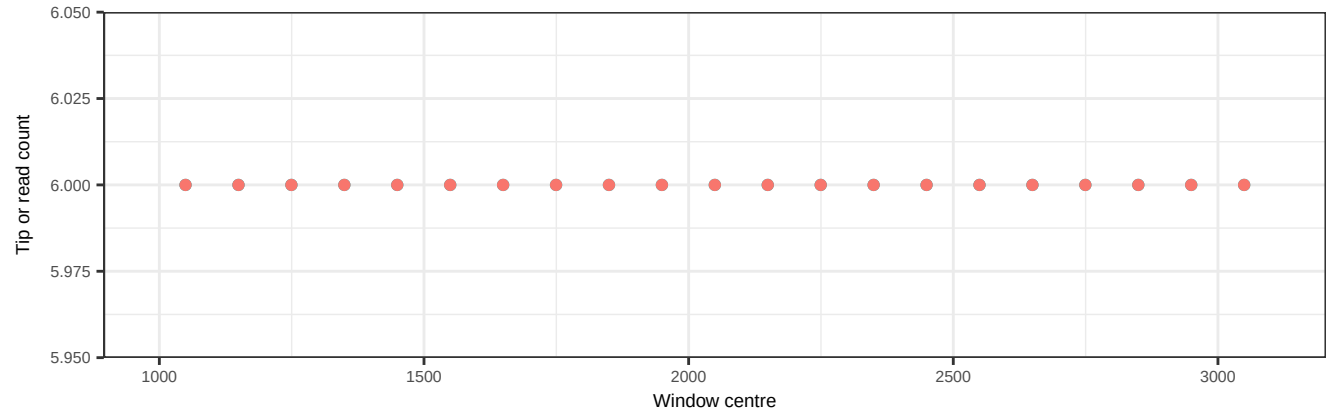

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

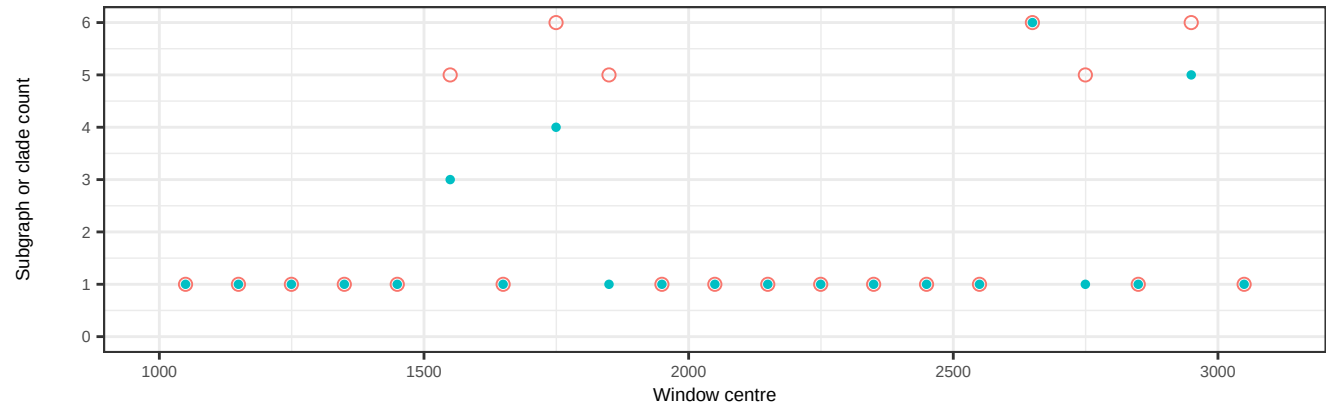

Mean root−to−tip−distance
(read−weighted)
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

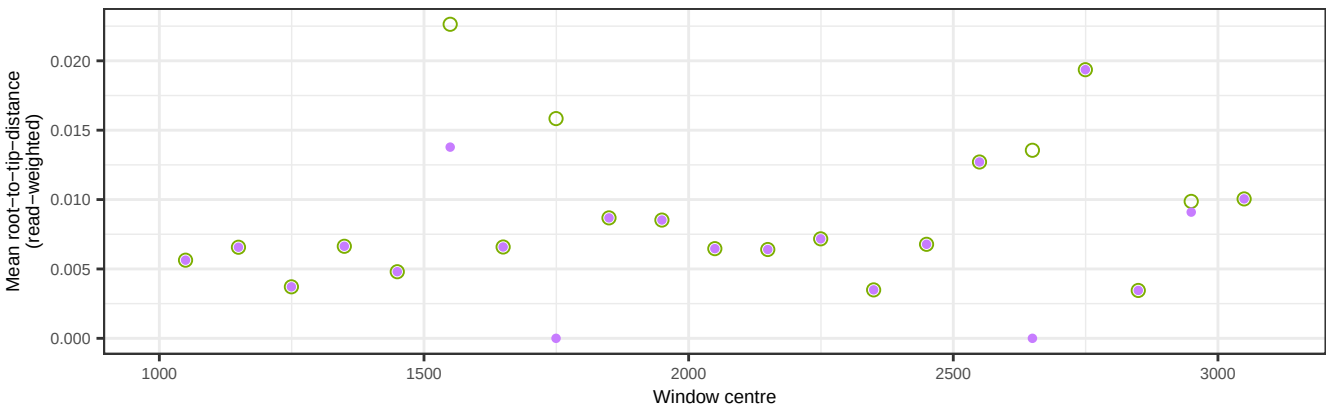

Mean pairwise patristic distance
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

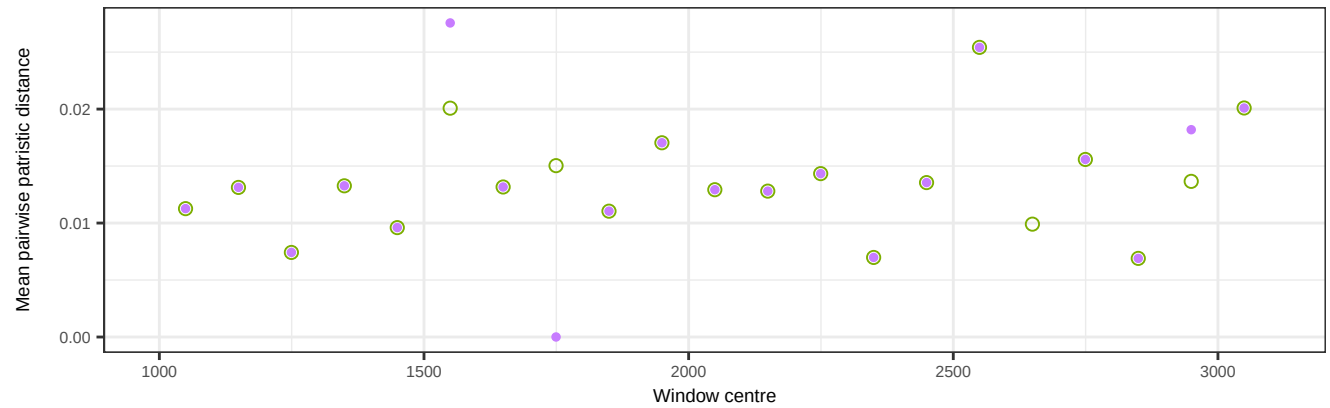

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
9
8
7
6
5
4
3
2
1

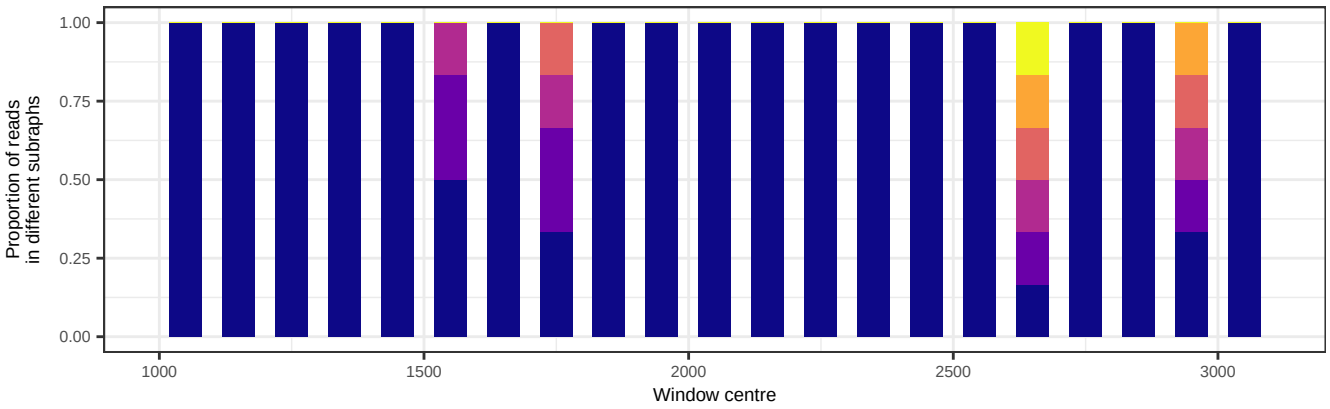
AS3


Tip or read count
6.050
6.025
6.000
5.975
5.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

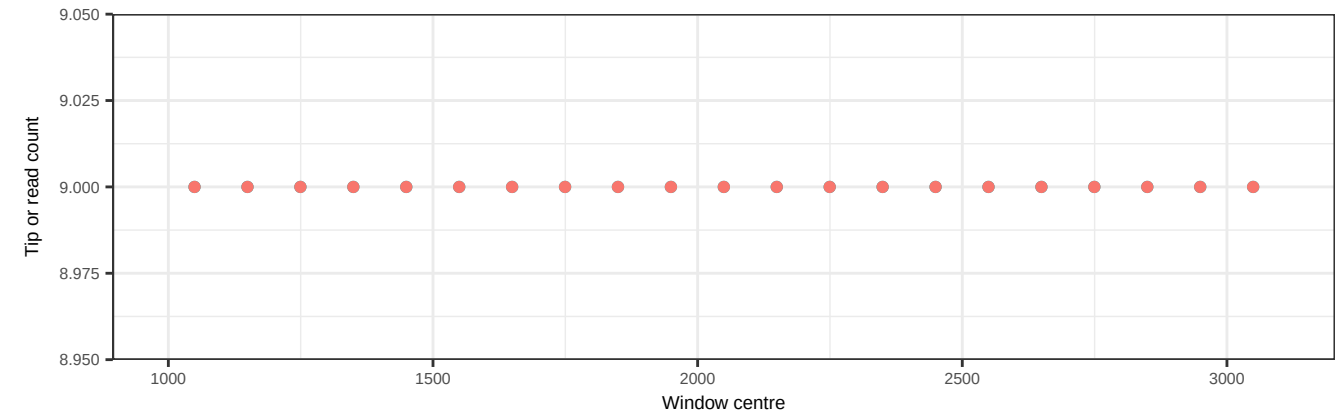

Subgraph or clade count
6
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

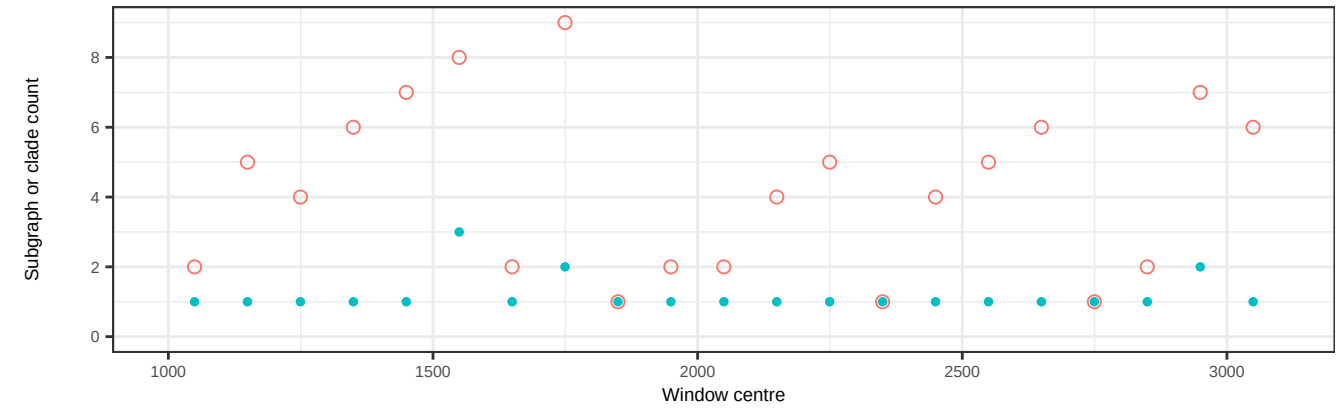

Mean root−to−tip−distance (read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

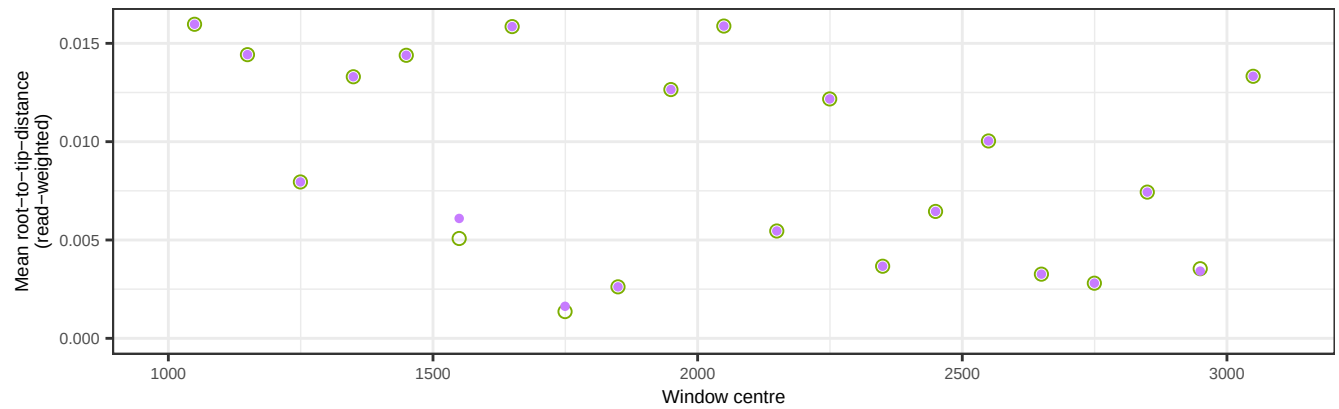

Mean pairwise patristic distance
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

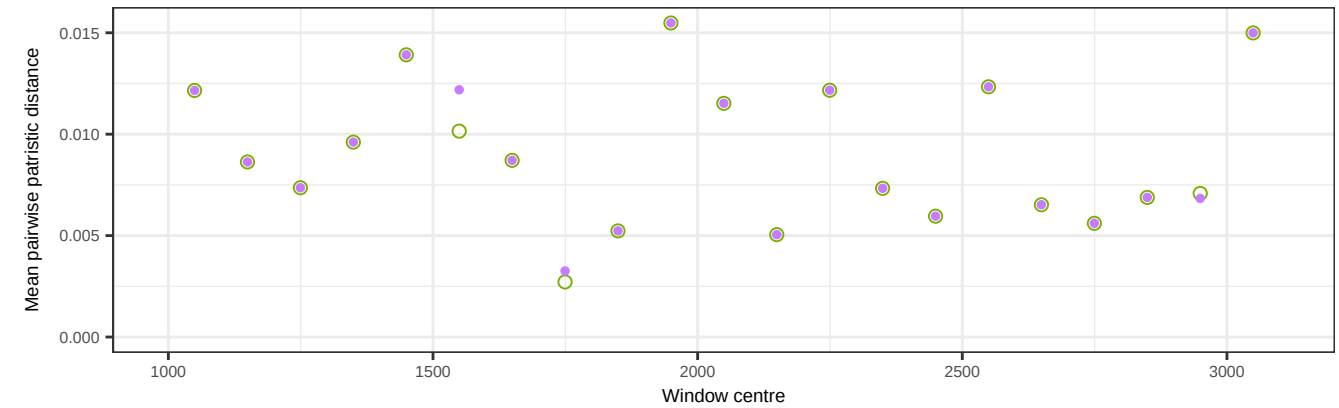

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank (by tip count)
6
5
4
3
2
1

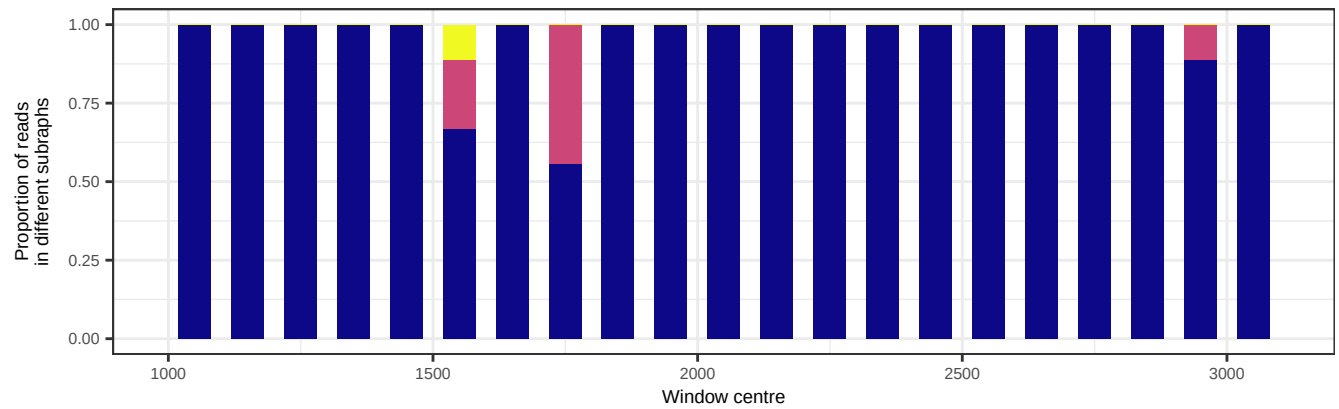
AS4


Tip or read count
9.050
9.025
9.000
8.975
8.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

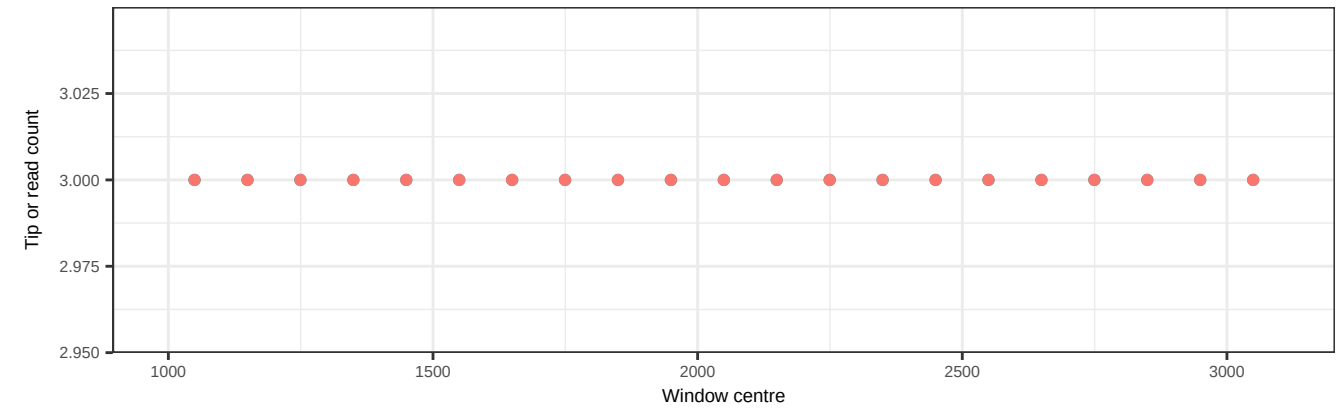

Subgraph or clade count
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

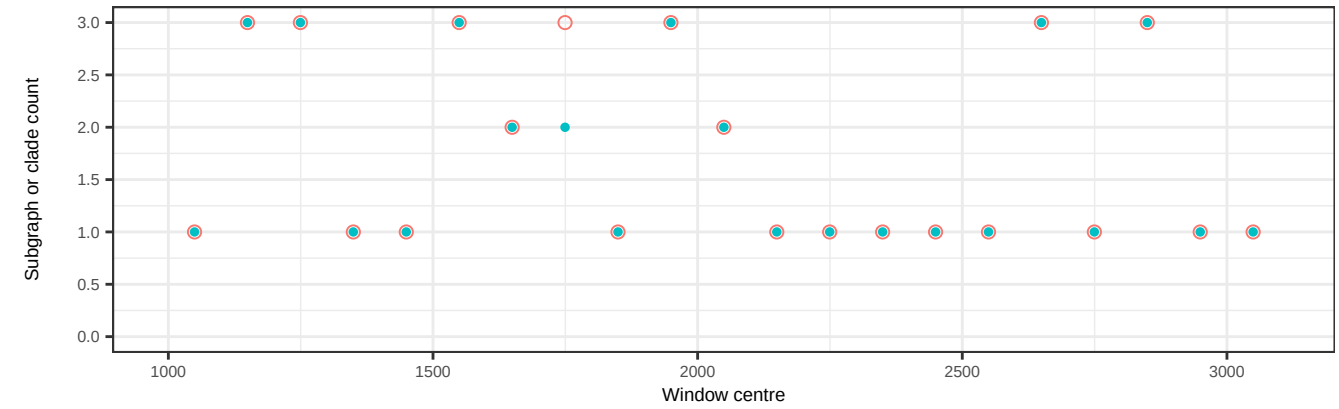

Mean root−to−tip−distance (read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

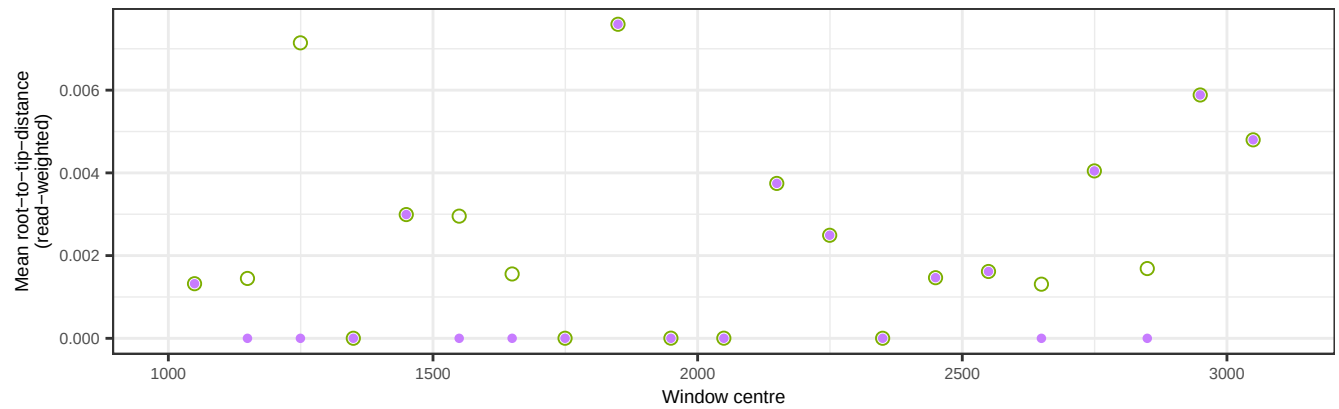

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

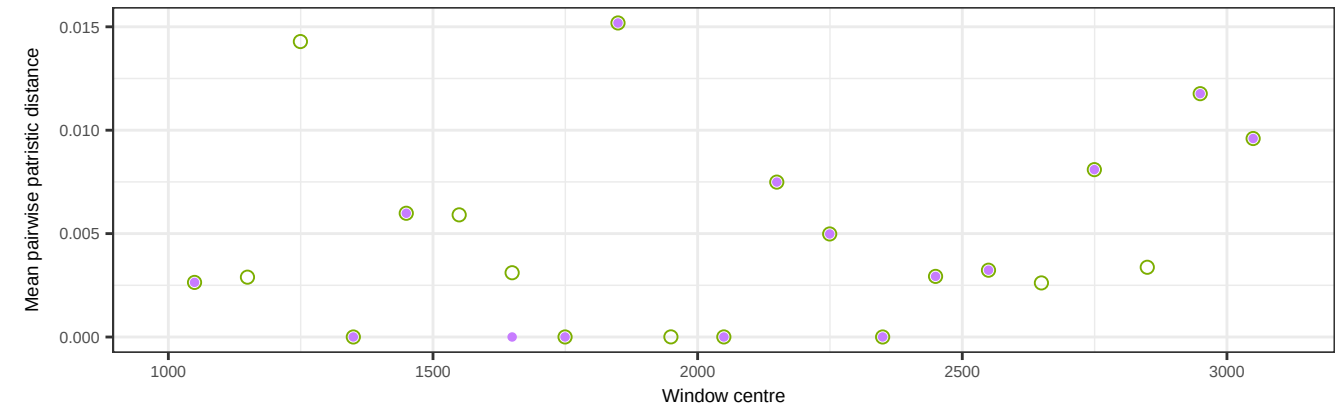

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank (by tip count)
3
2
1

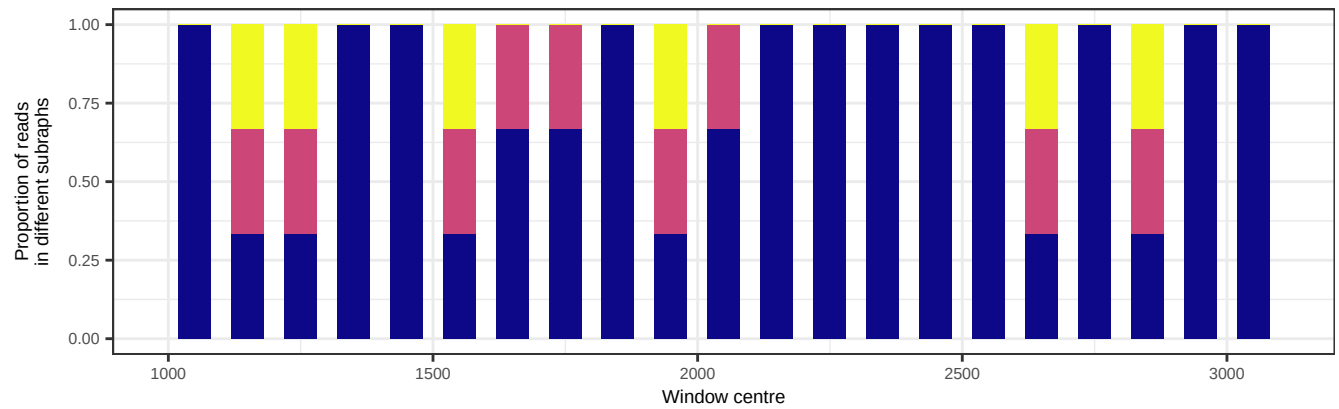
AU62


Tip or read count
3.025
3.000
2.975
2.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

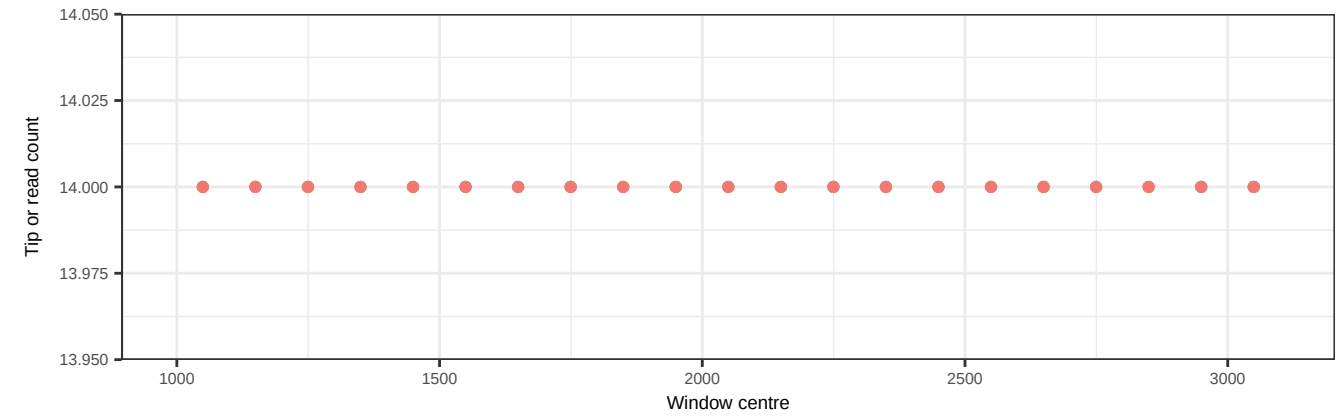

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

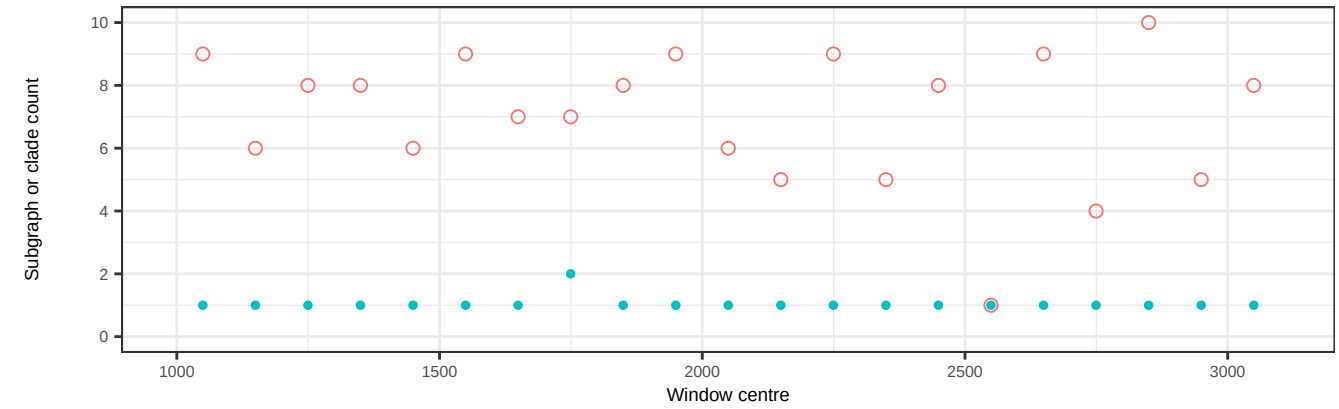

Mean root−to−tip−distance
(read−weighted)
0.006
0.004
0.002
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

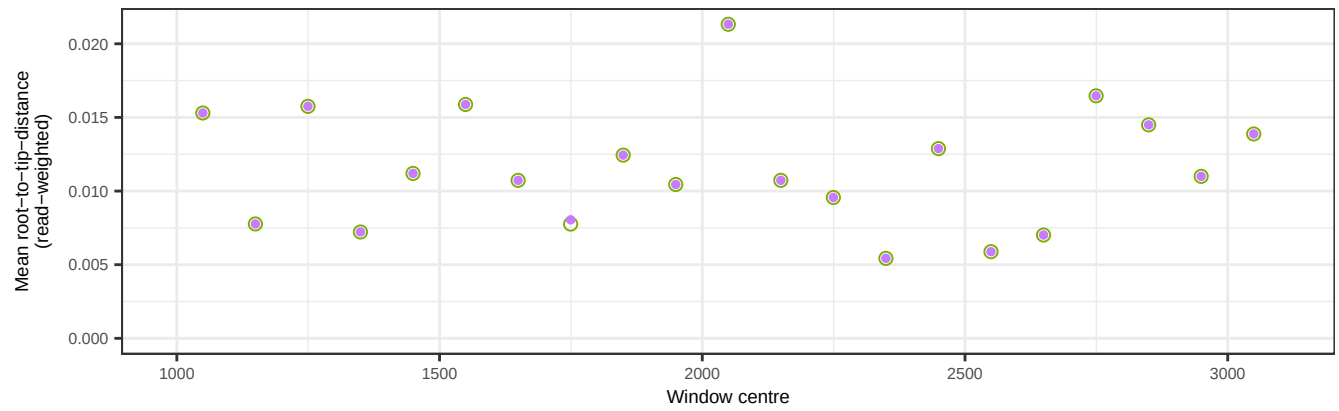

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

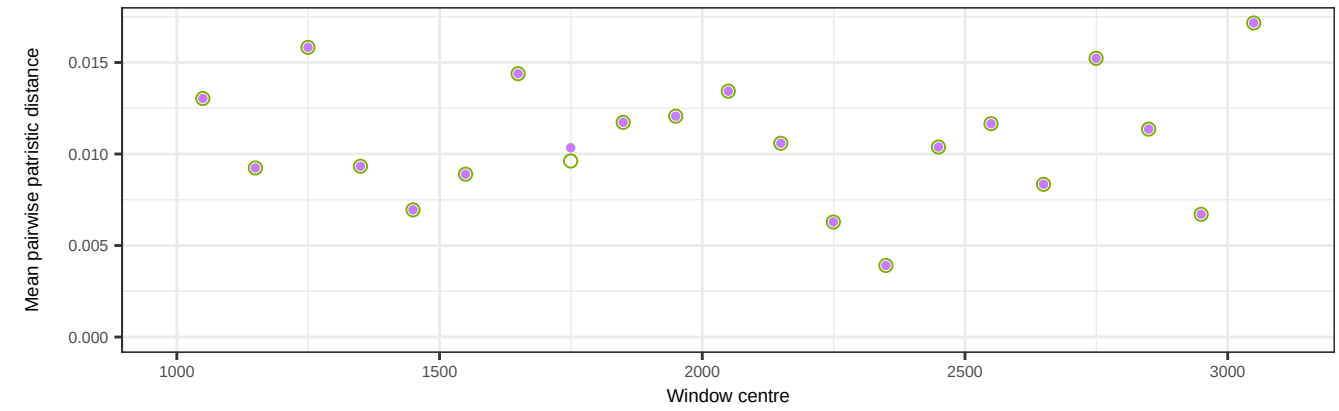

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
3
2
1

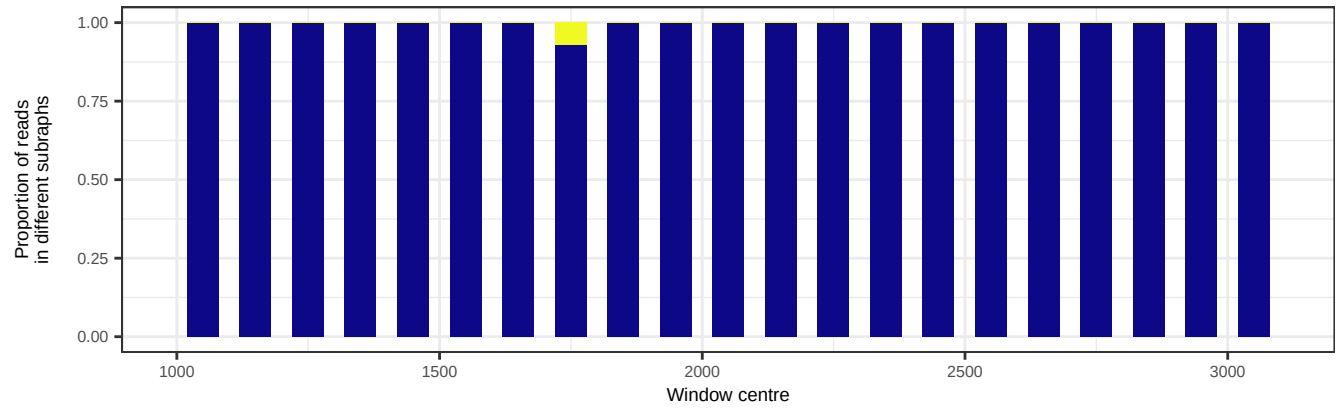
AU64


Tip or read count
14.050
14.025
14.000
13.975
13.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

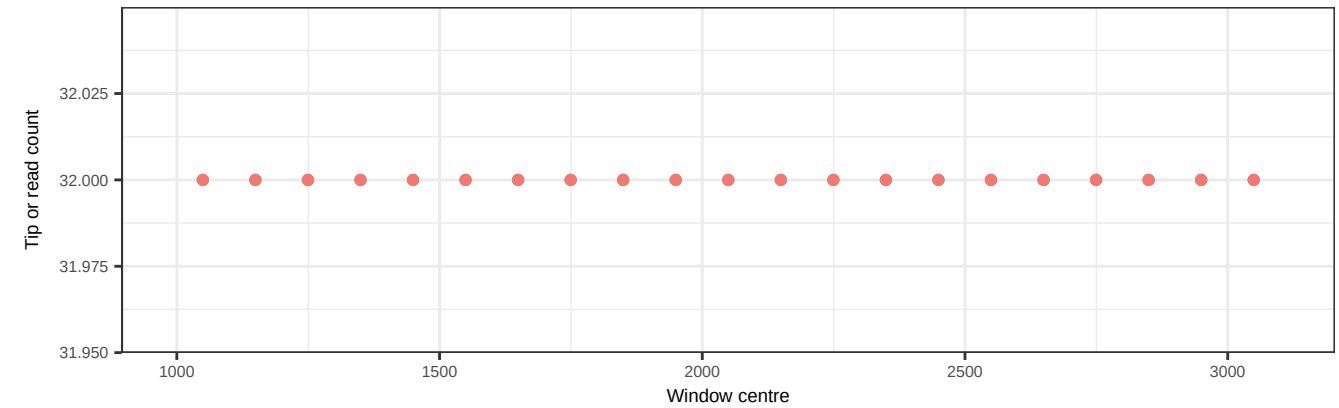

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

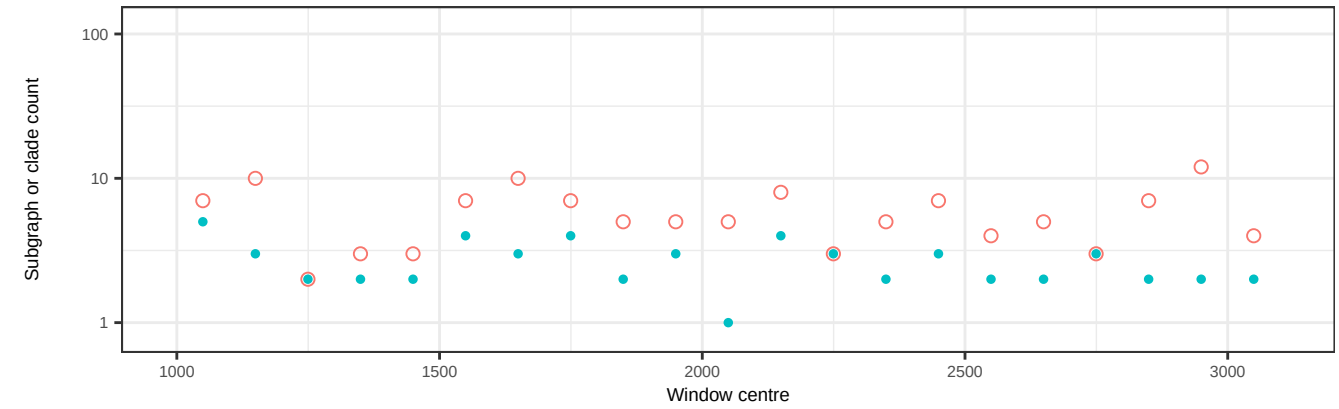

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

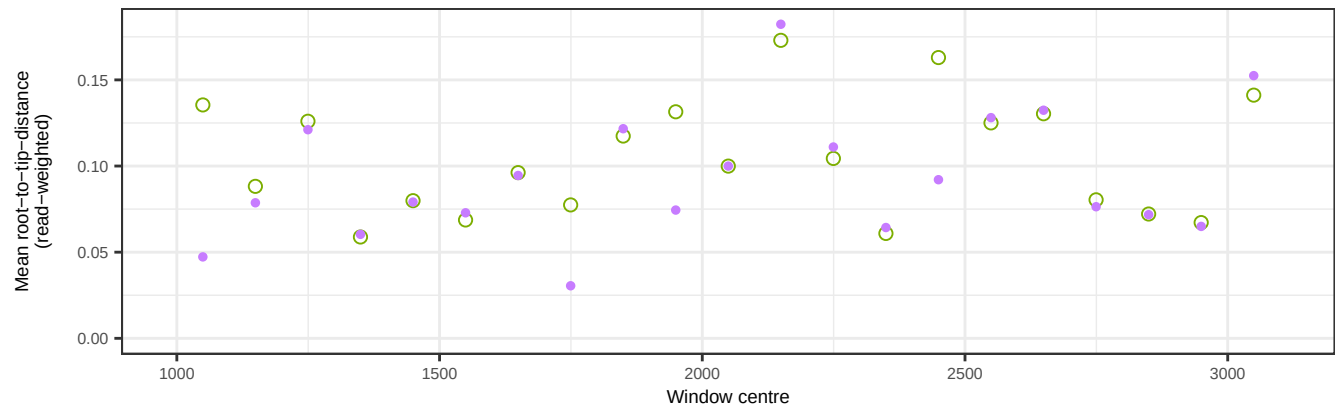

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

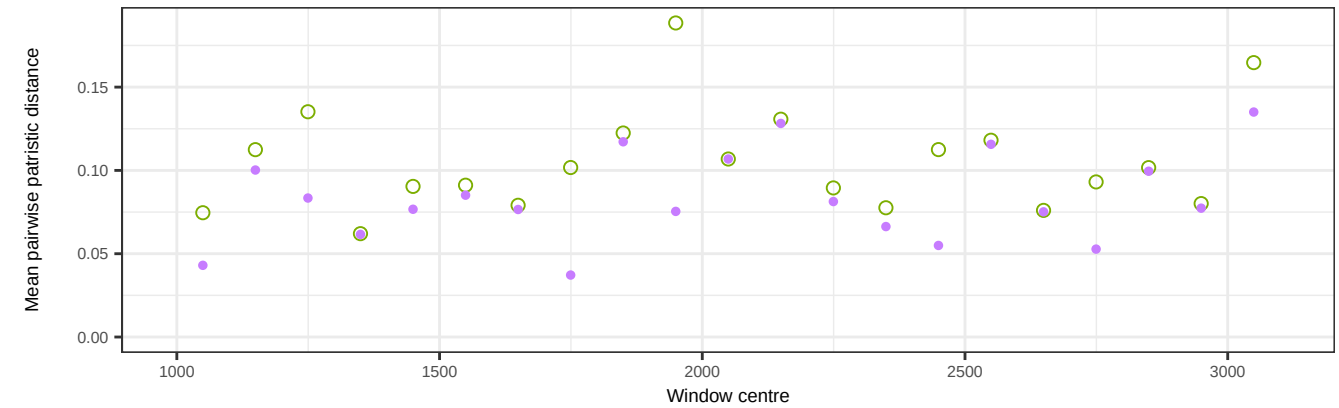

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
2
1

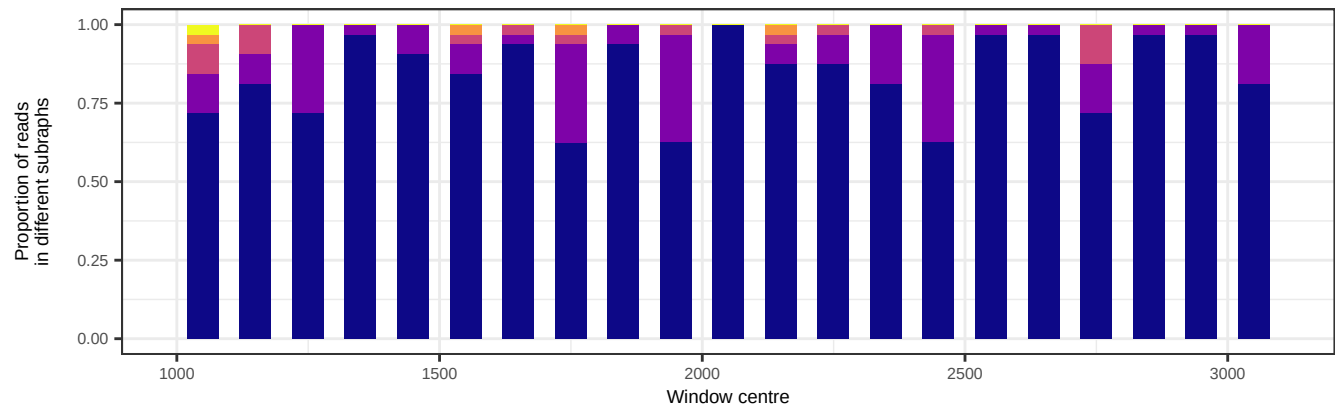
AV40


Tip or read count
32.025
32.000
31.975
31.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

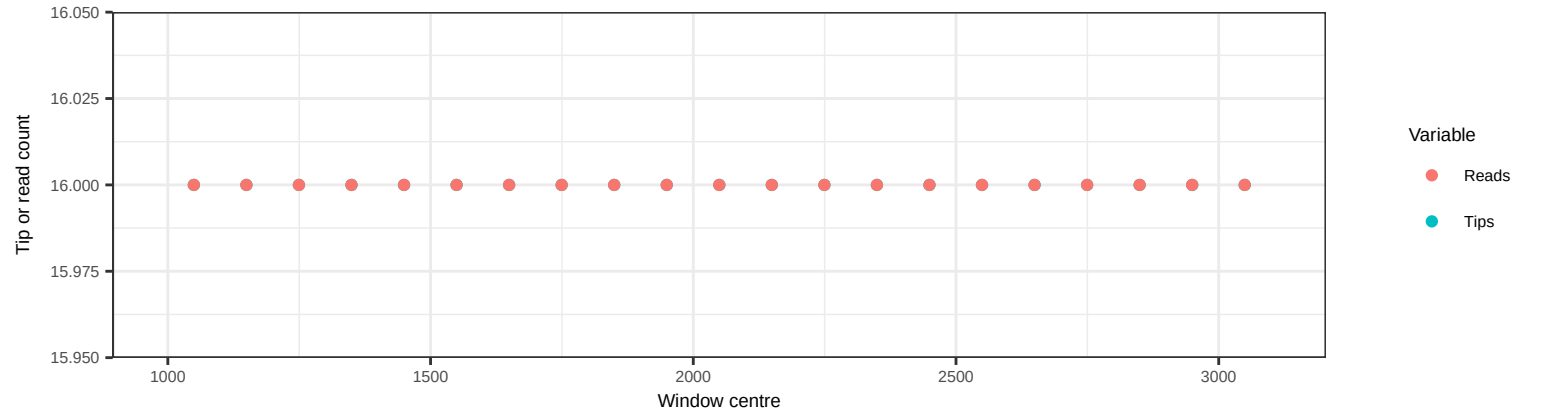

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

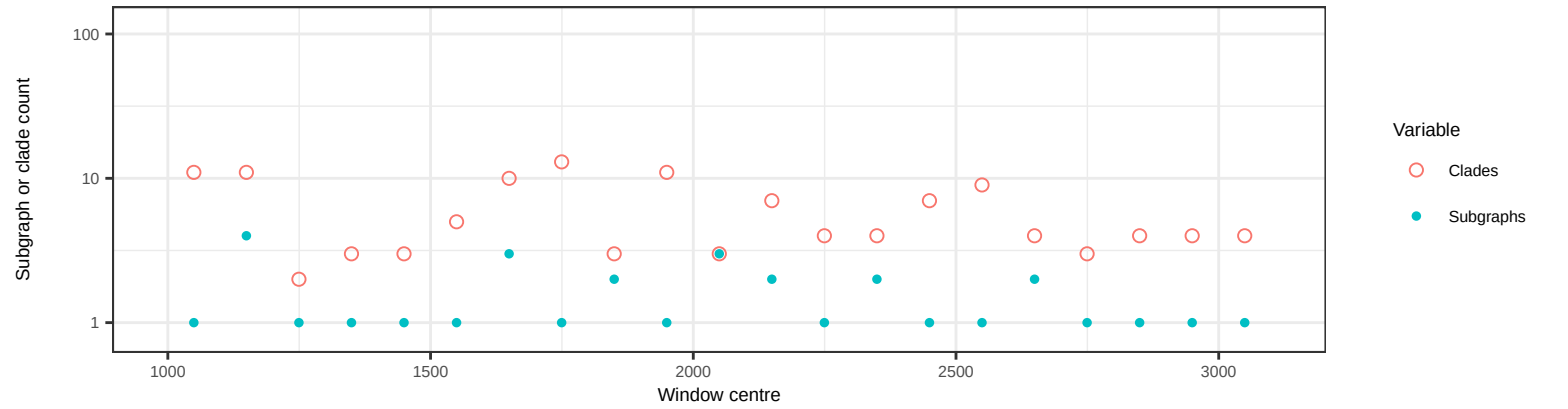

Mean root−to−tip−distance
(read−weighted)
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

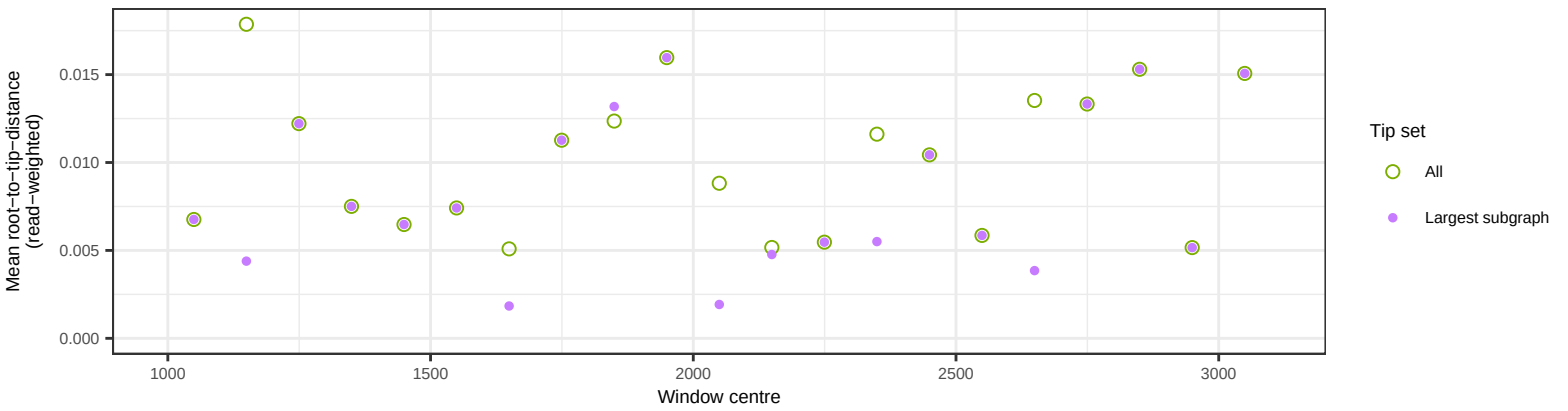

Mean pairwise patristic distance
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

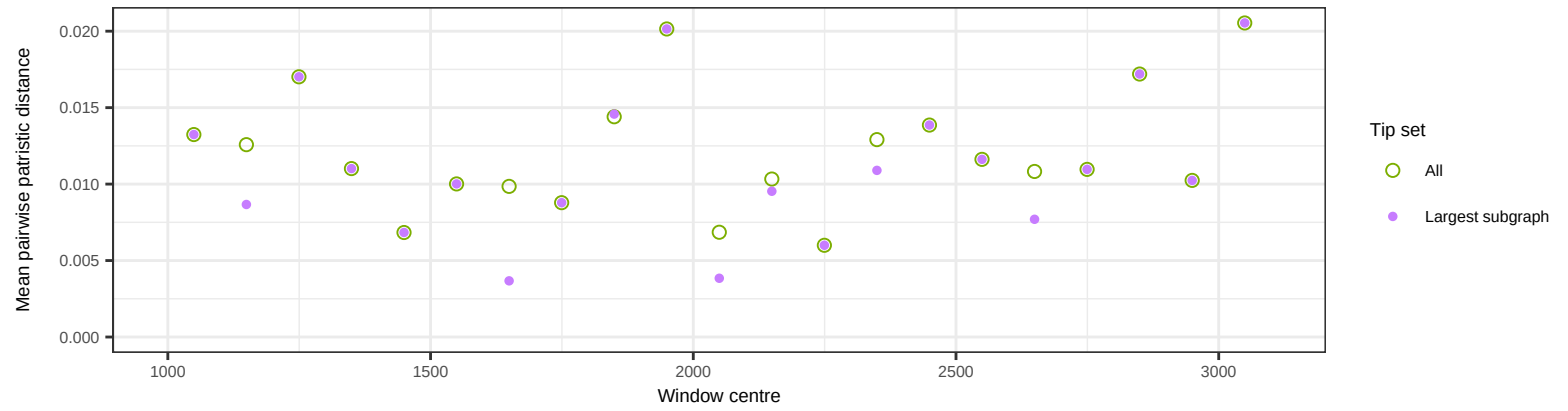

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

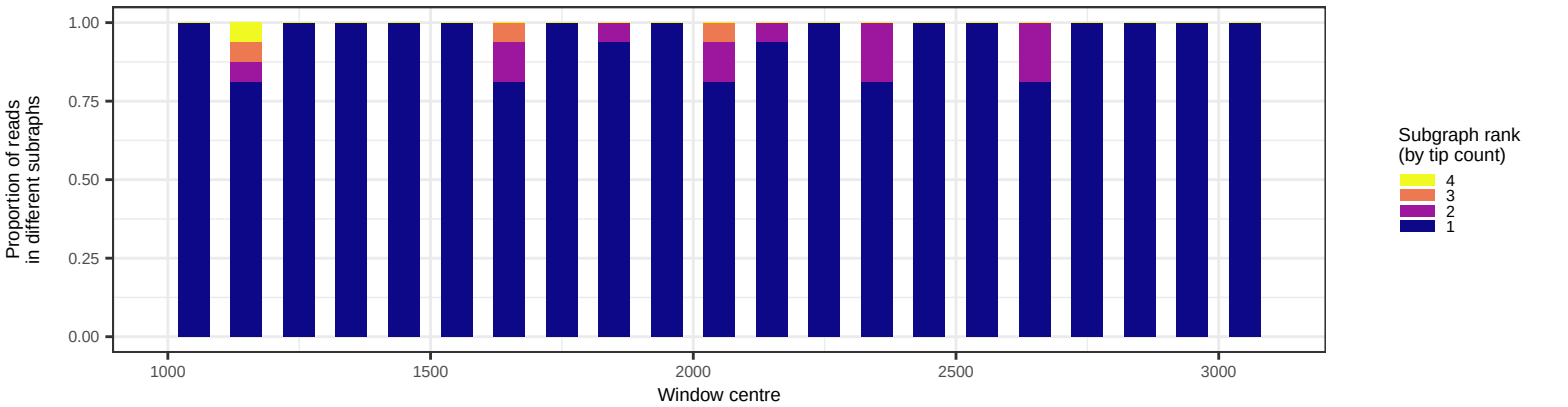
AV42


Tip or read count
16.050
16.025
16.000
15.975
15.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

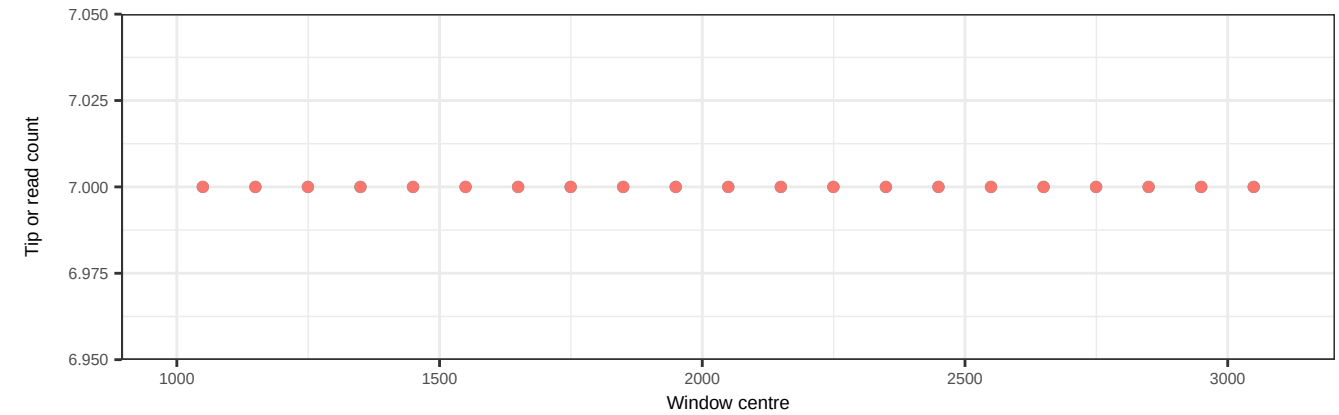

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

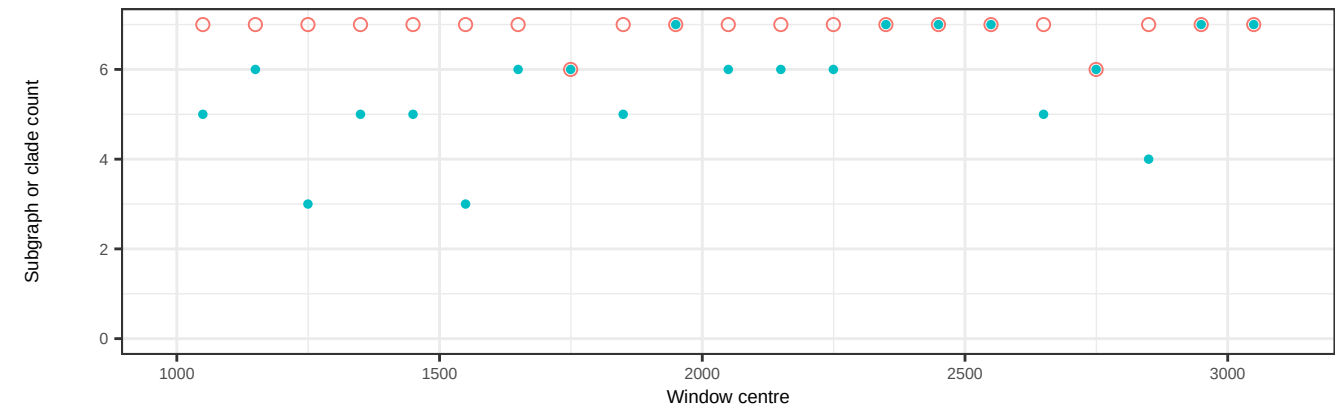

Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

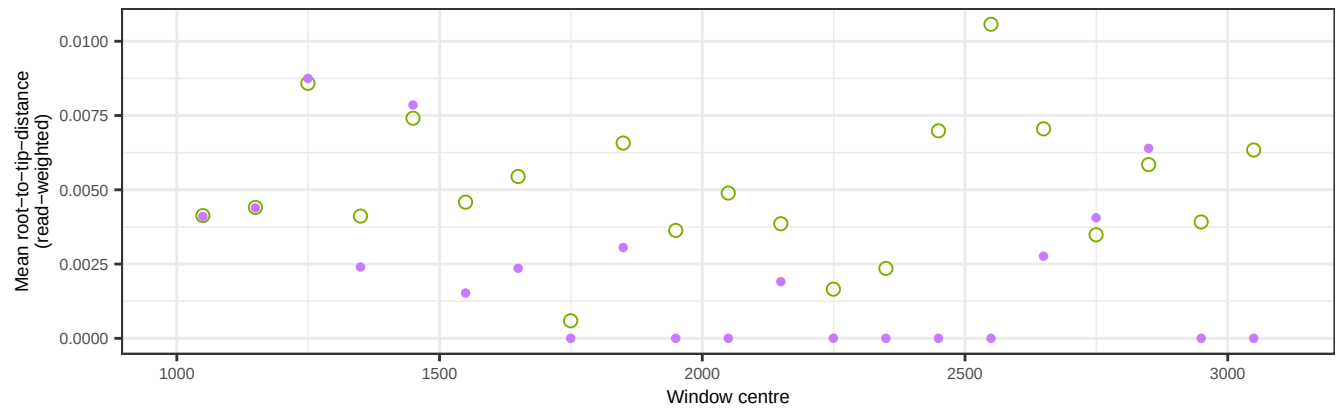

Mean pairwise patristic distance
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

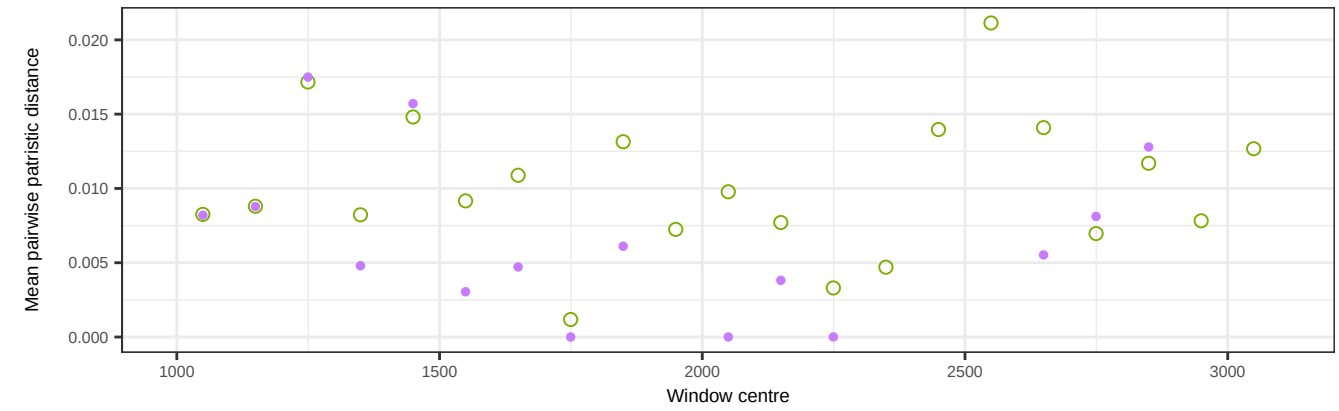

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
4
3
2
1

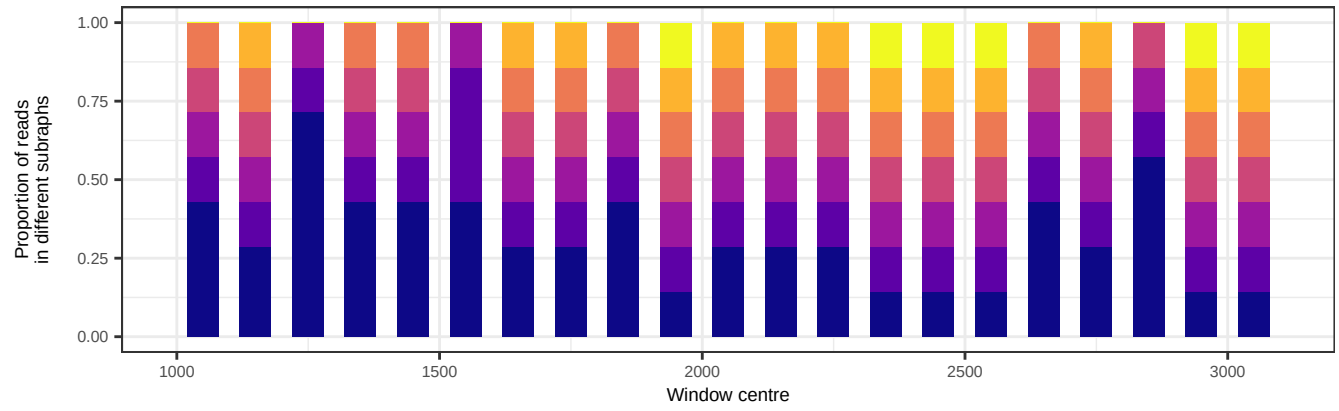
AW1


Tip or read count
7.050
7.025
7.000
6.975
6.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

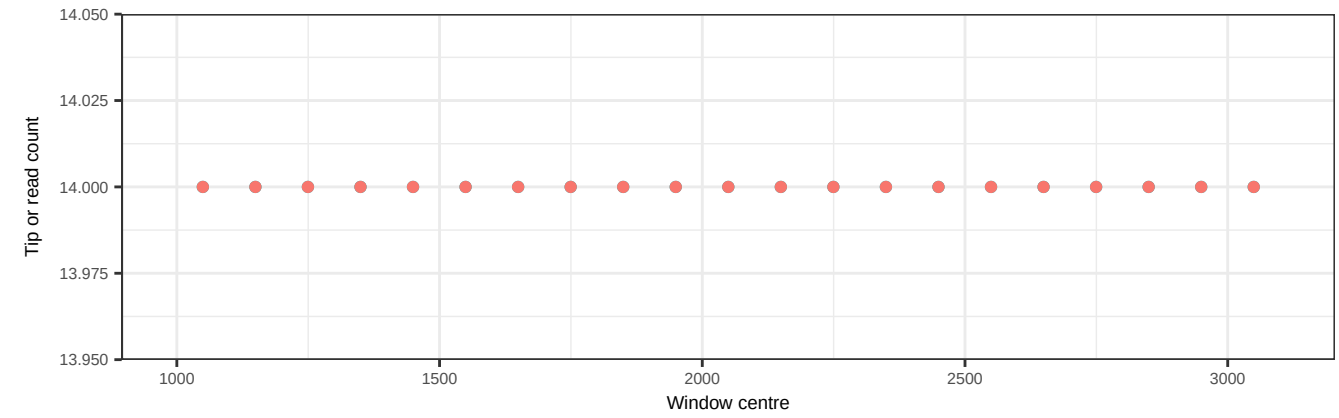

Subgraph or clade count
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

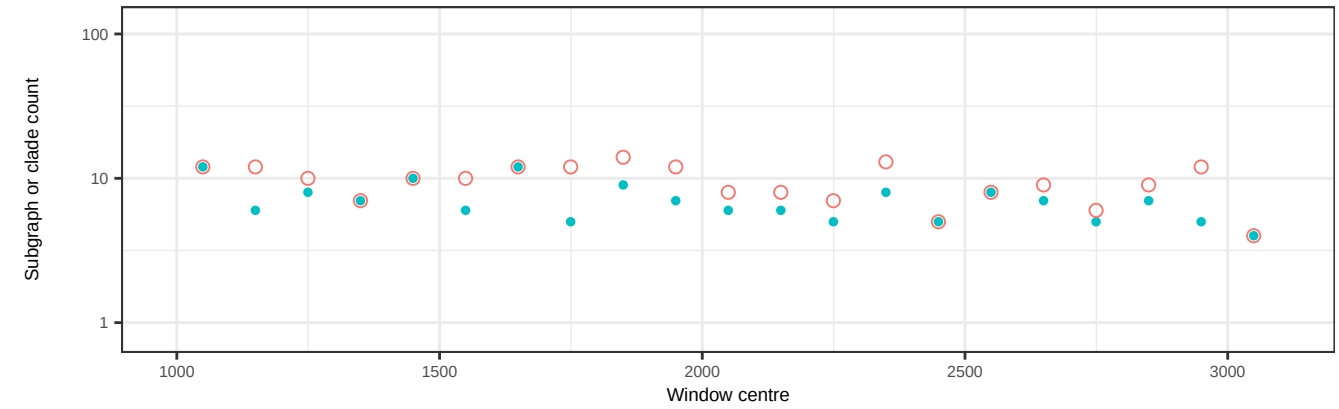

Mean root−to−tip−distance
(read−weighted)
0.0100
0.0075
0.0050
0.0025
0.0000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

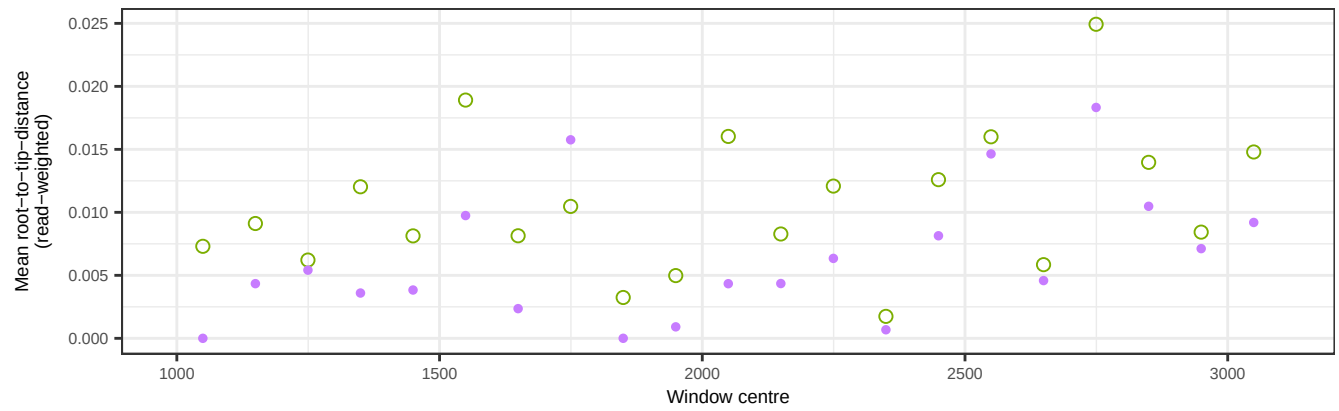

Mean pairwise patristic distance
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

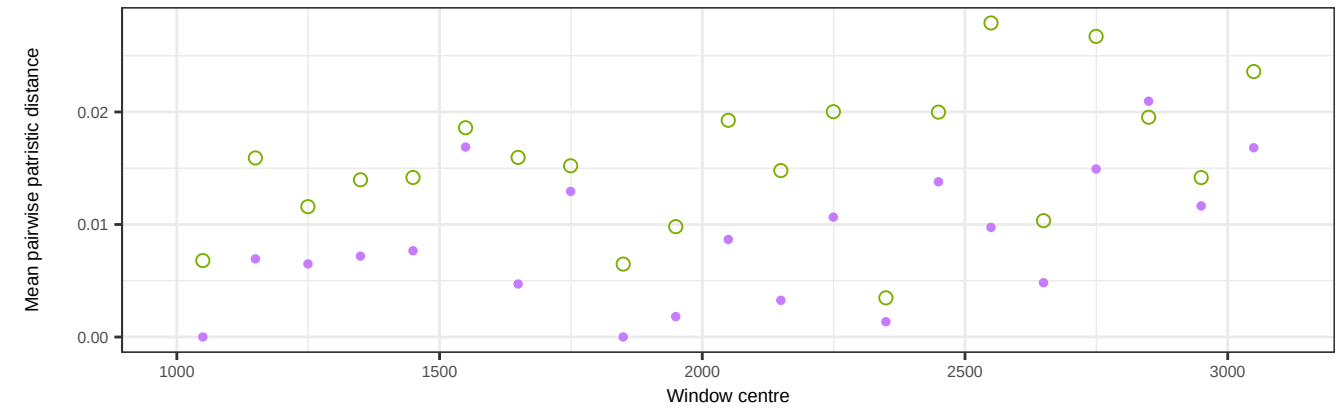

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

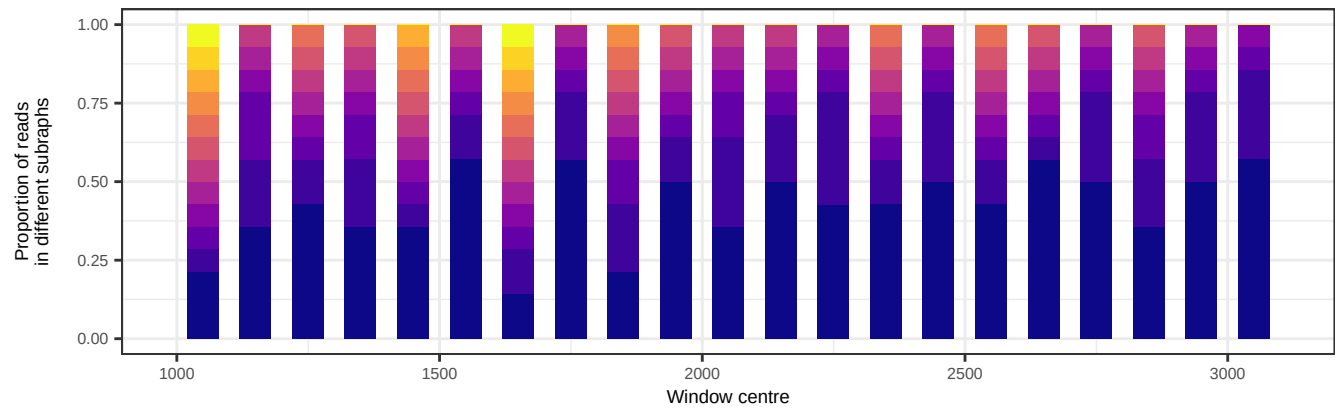
AW10


Tip or read count
14.050
14.025
14.000
13.975
13.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

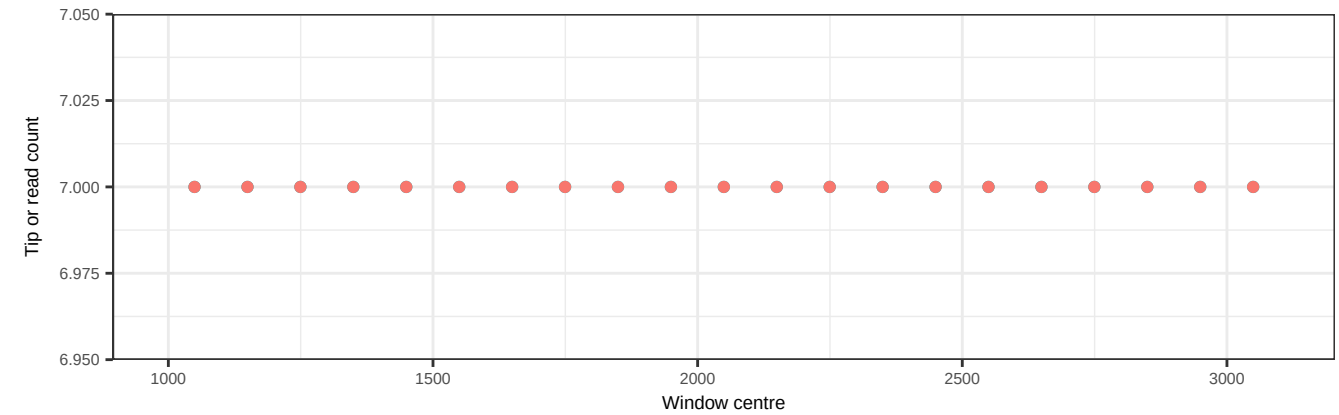

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

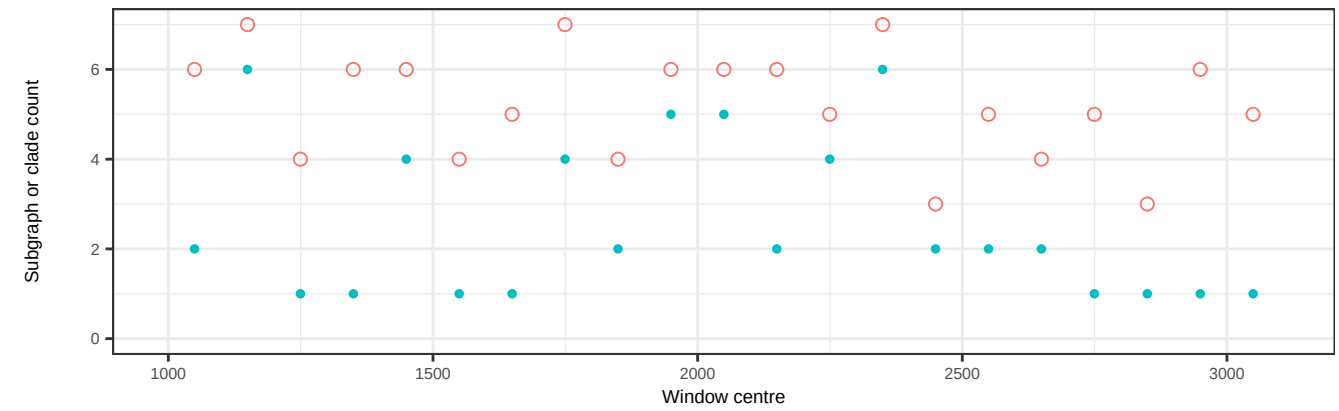

Mean root−to−tip−distance
(read−weighted)
0.025
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

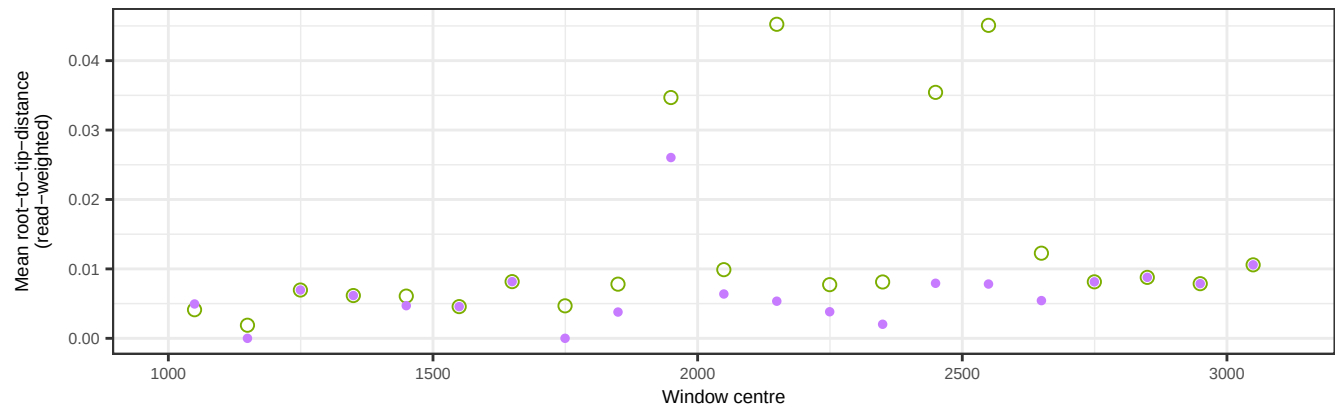

Mean pairwise patristic distance
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

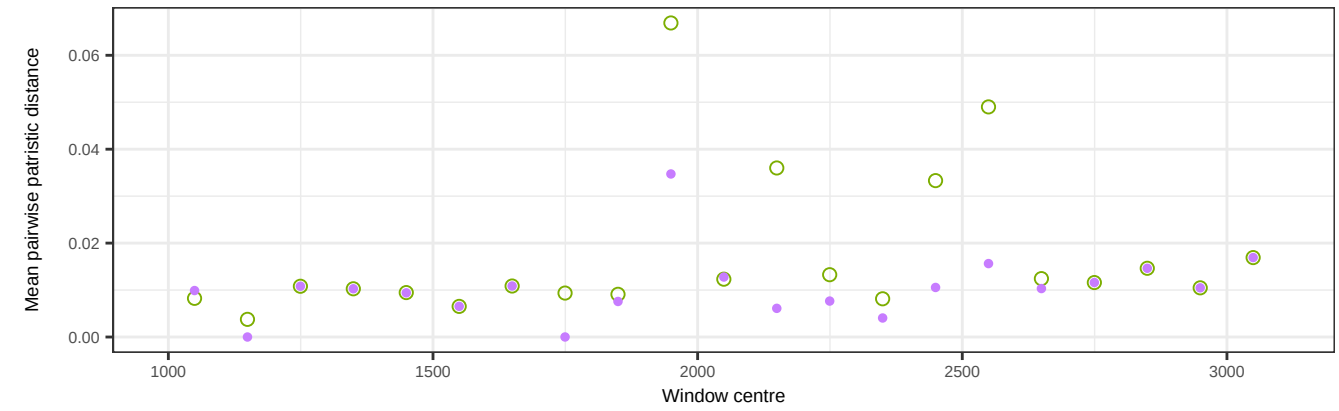

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
12
11
10
9
8
7
6
5
4
3
2
1

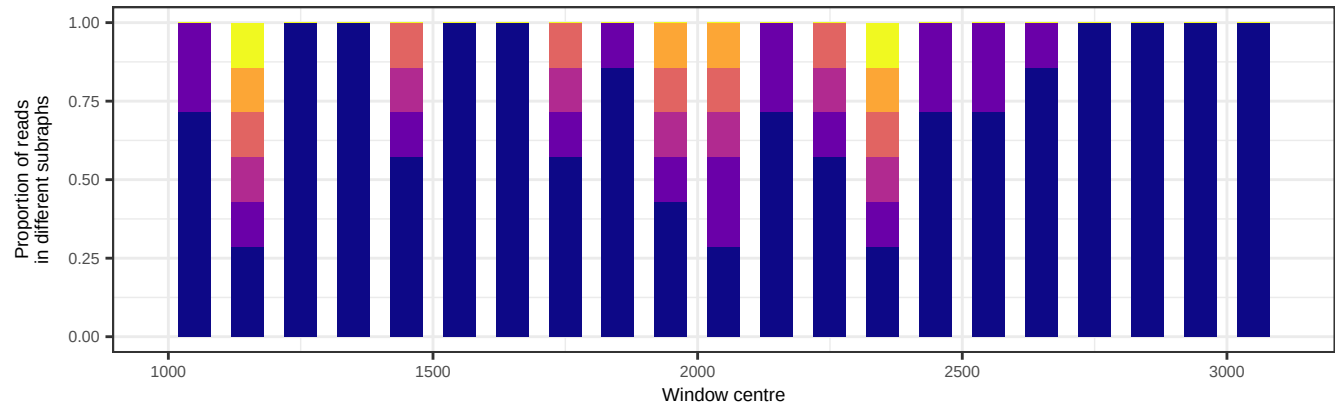
AW12


Tip or read count
7.050
7.025
7.000
6.975
6.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

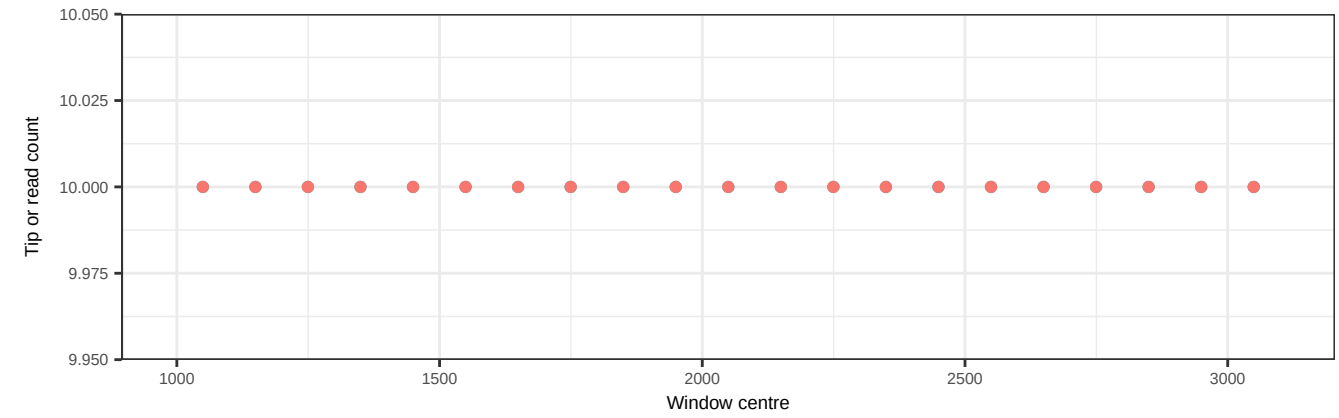

Subgraph or clade count
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

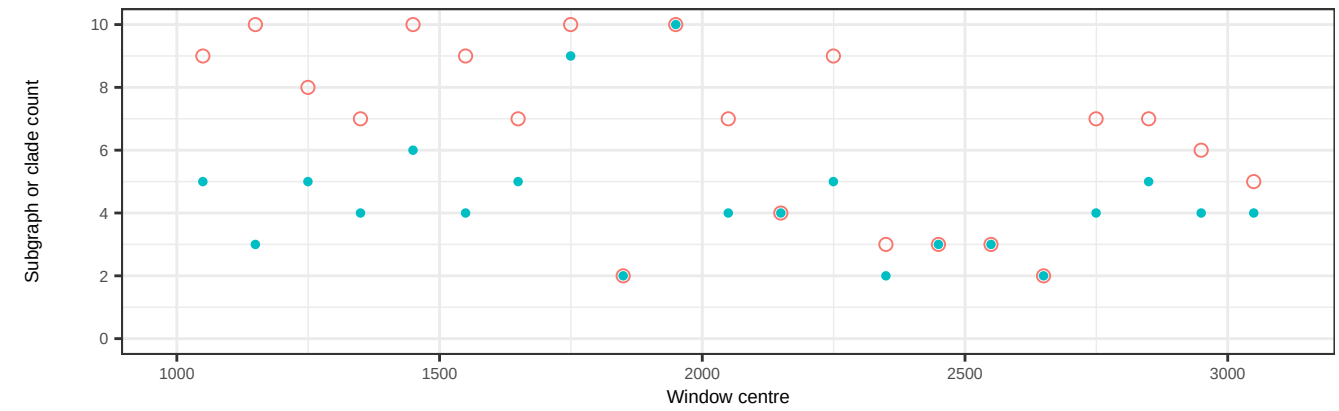

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

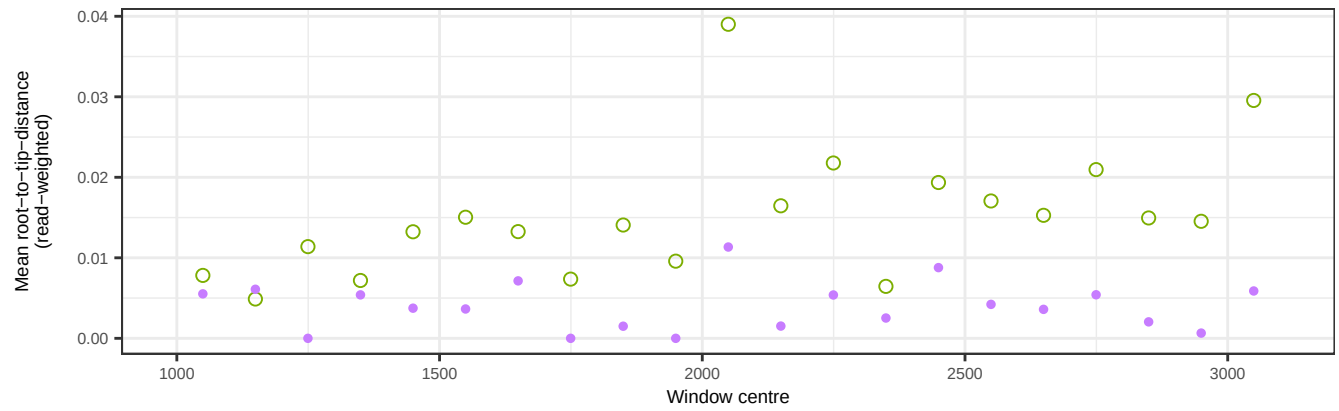

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

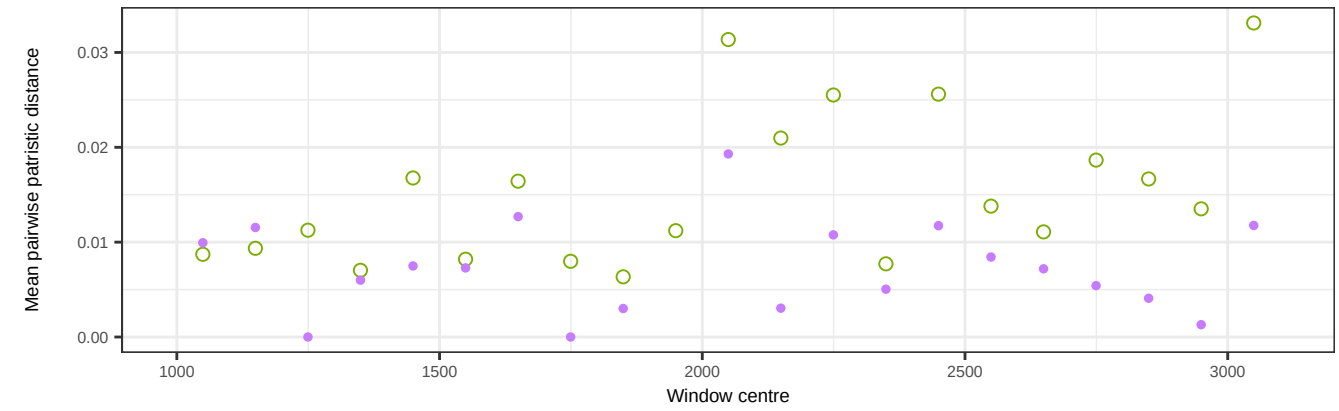

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

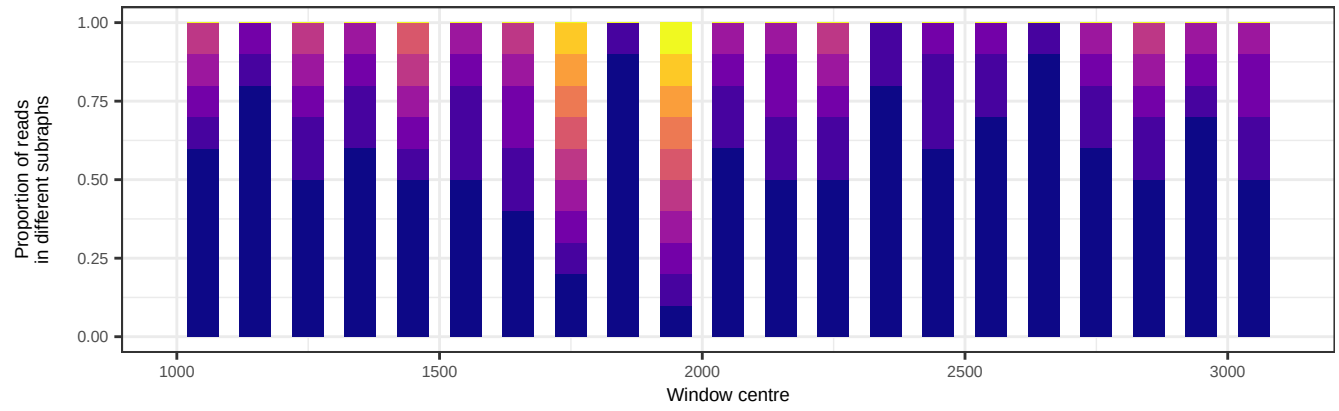
AW13


Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

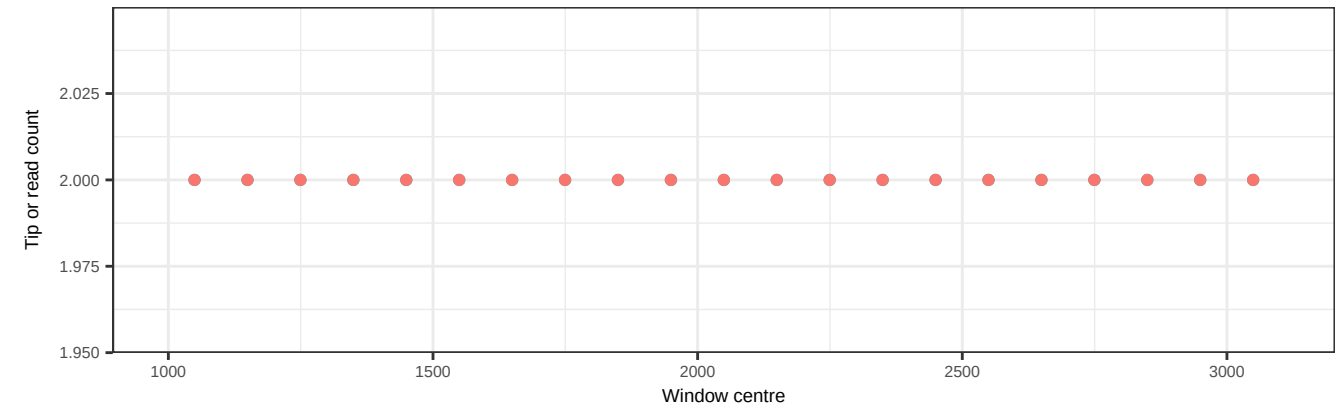

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

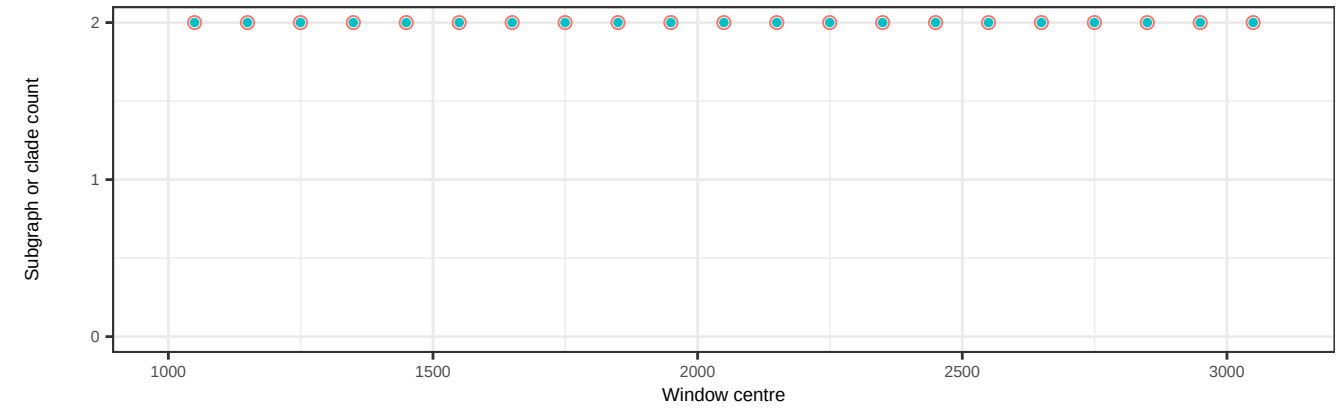

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

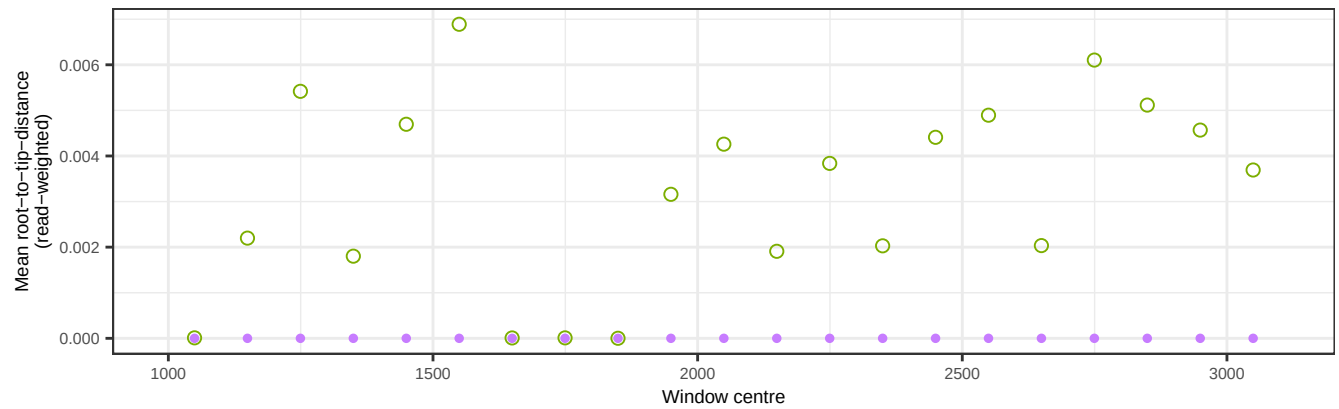

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

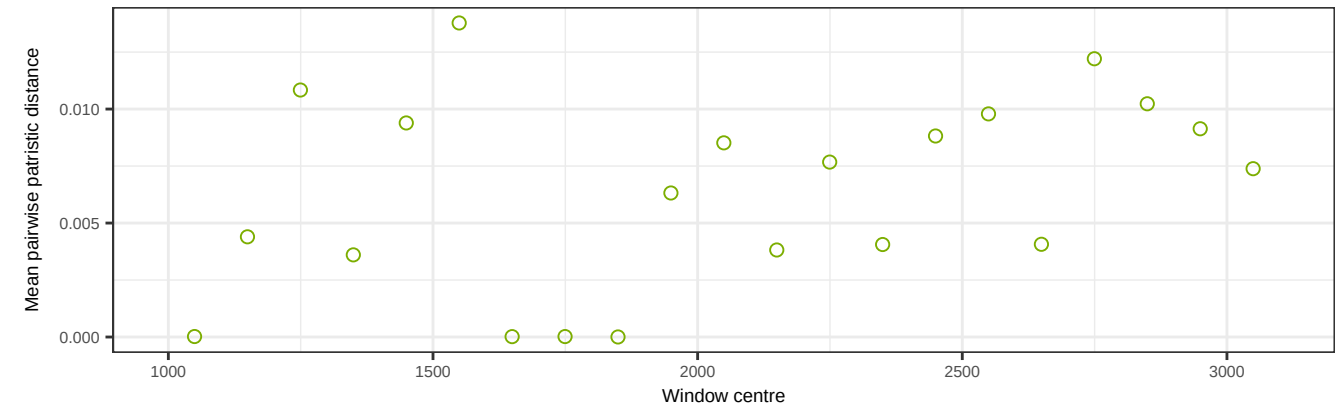

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
10
9
8
7
6
5
4
3
2
1

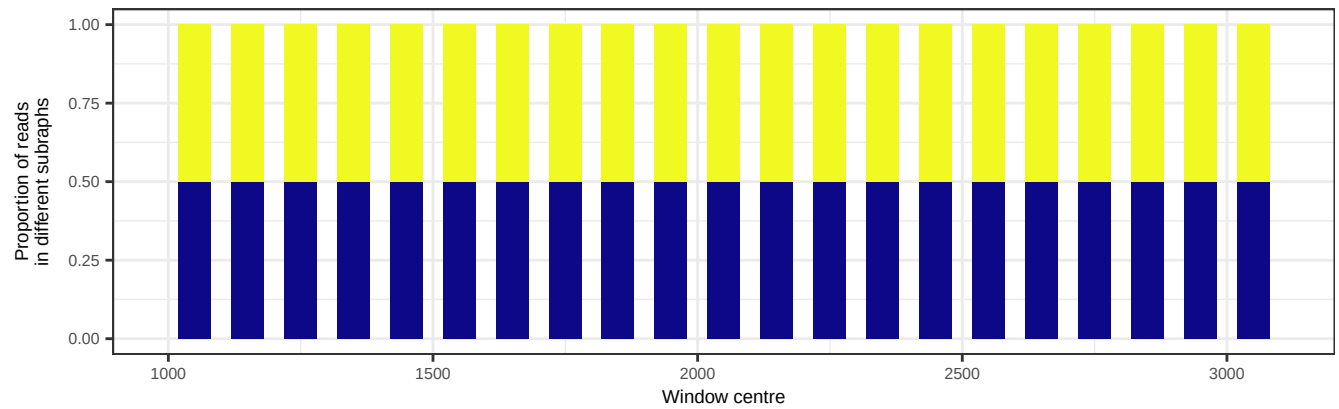
AW15


Tip or read count
2.025
2.000
1.975
1.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

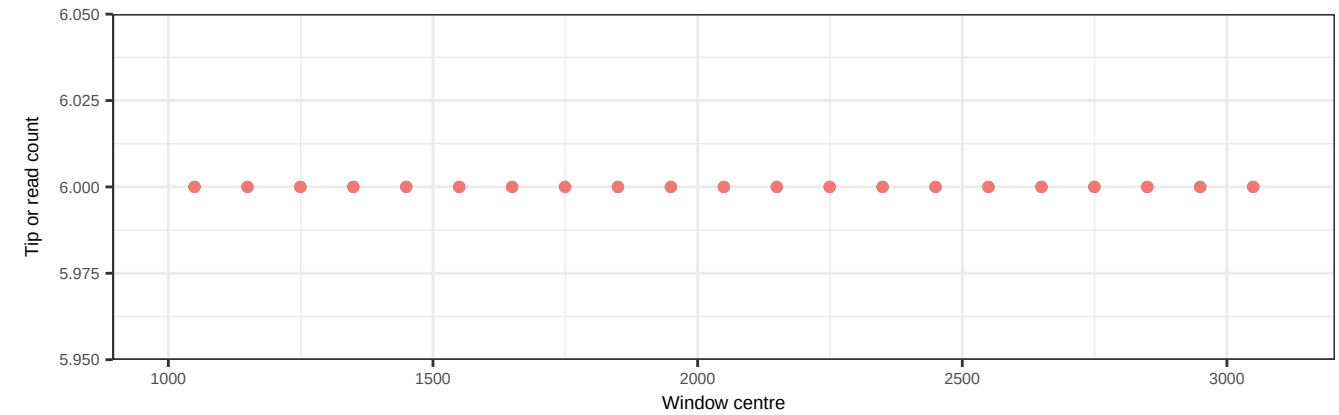

Subgraph or clade count
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

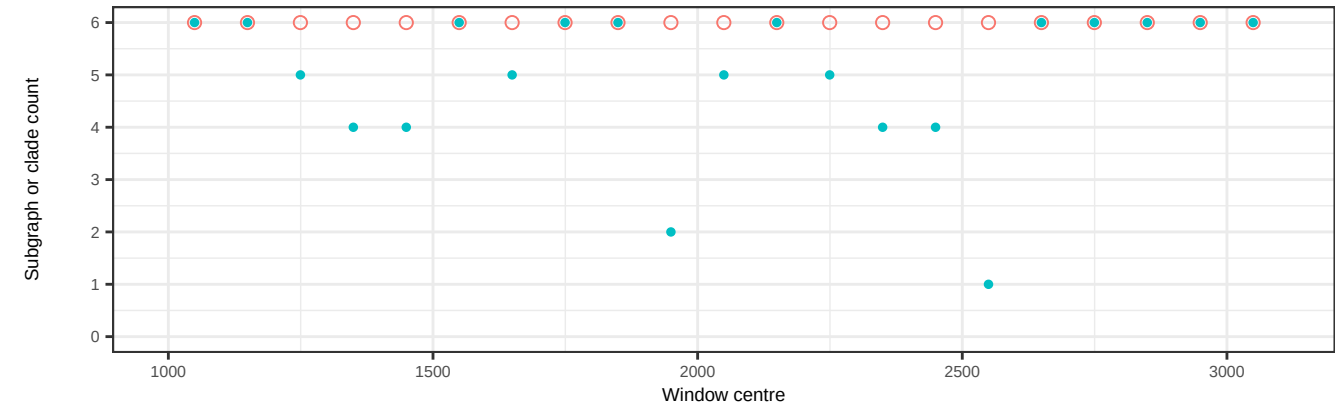

Mean root−to−tip−distance
(read−weighted)
0.006
0.004
0.002
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

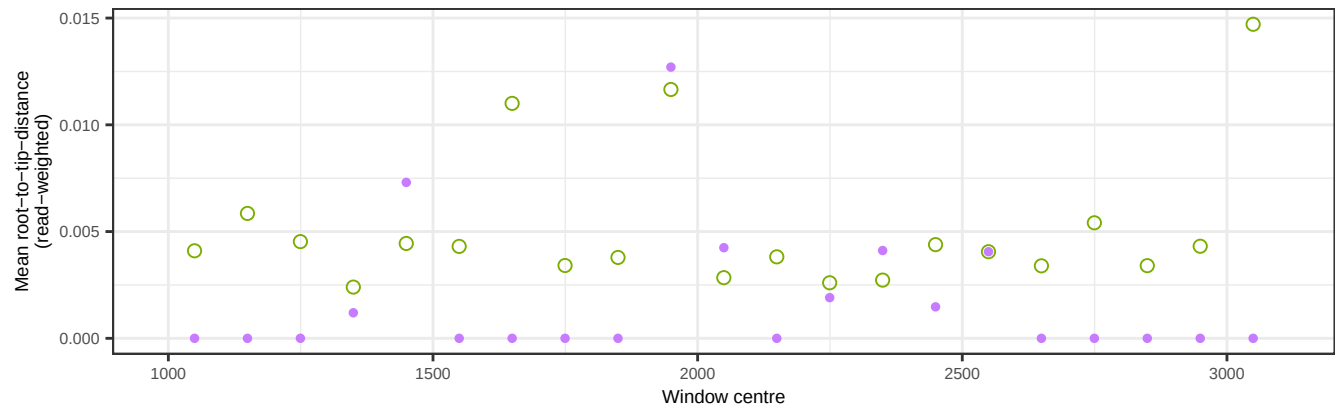

Mean pairwise patristic distance
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

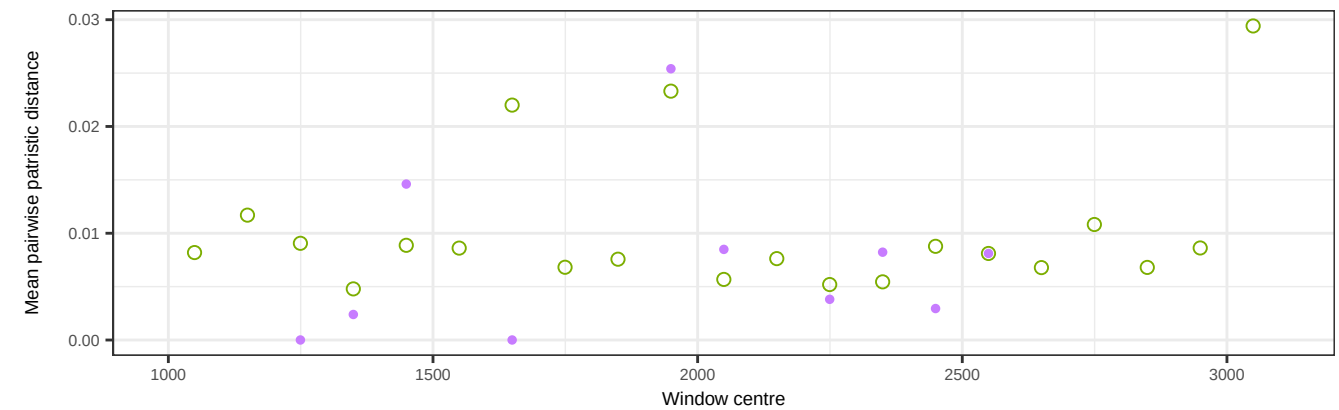

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
2
1

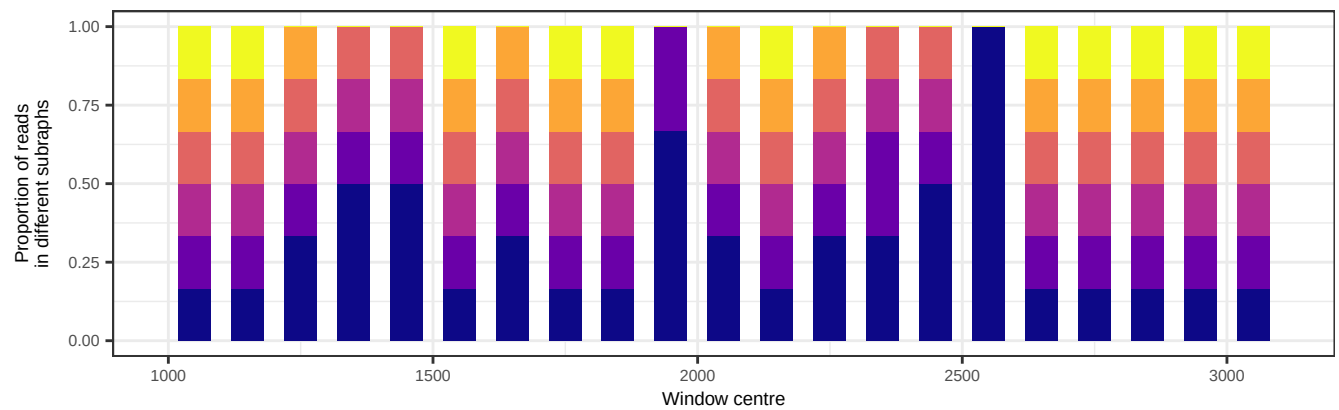
AW16


Tip or read count
6.050
6.025
6.000
5.975
5.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

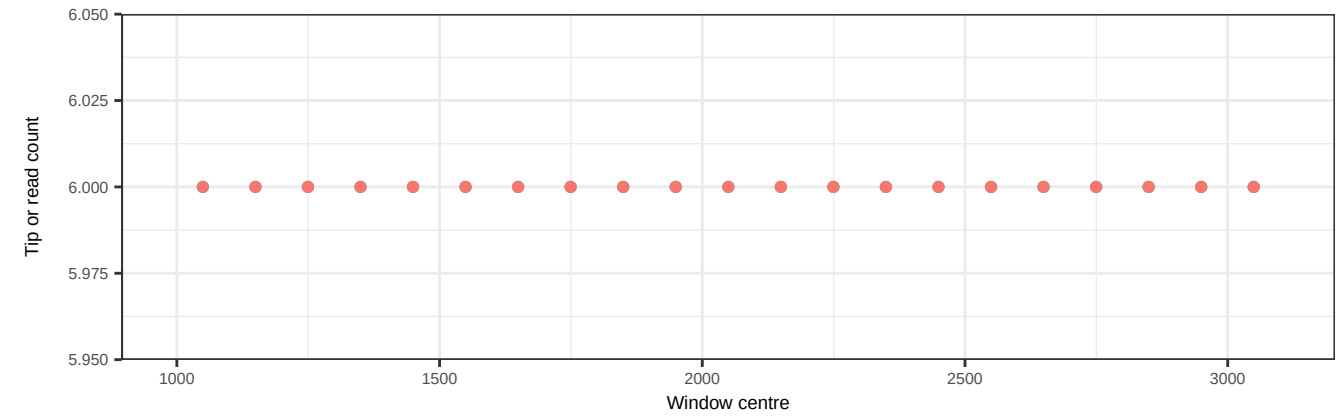

Subgraph or clade count
6
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

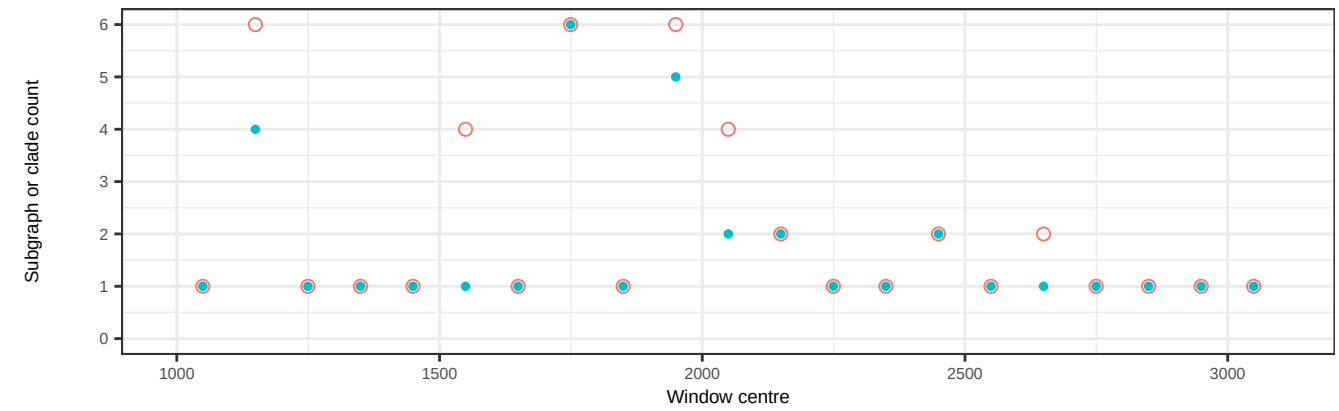

Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

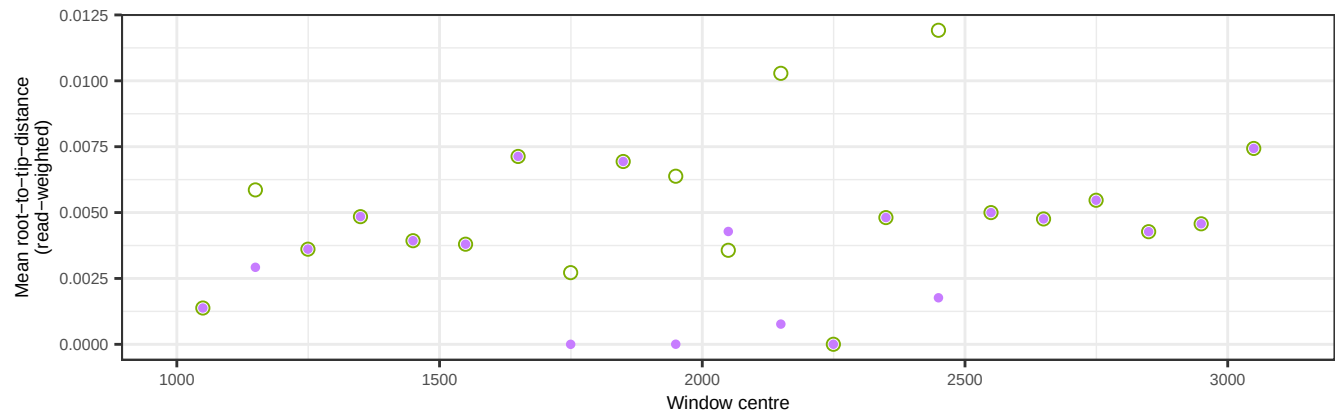

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

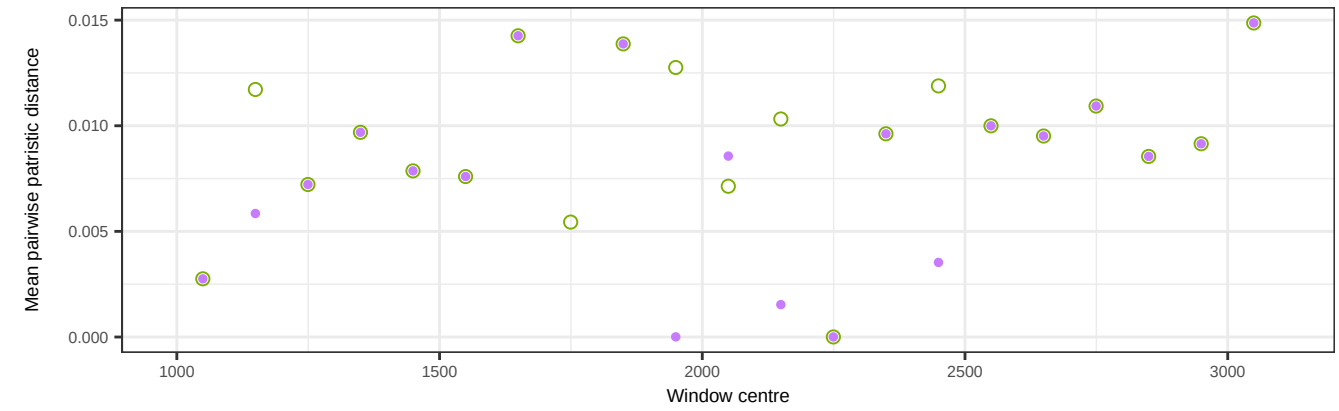

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

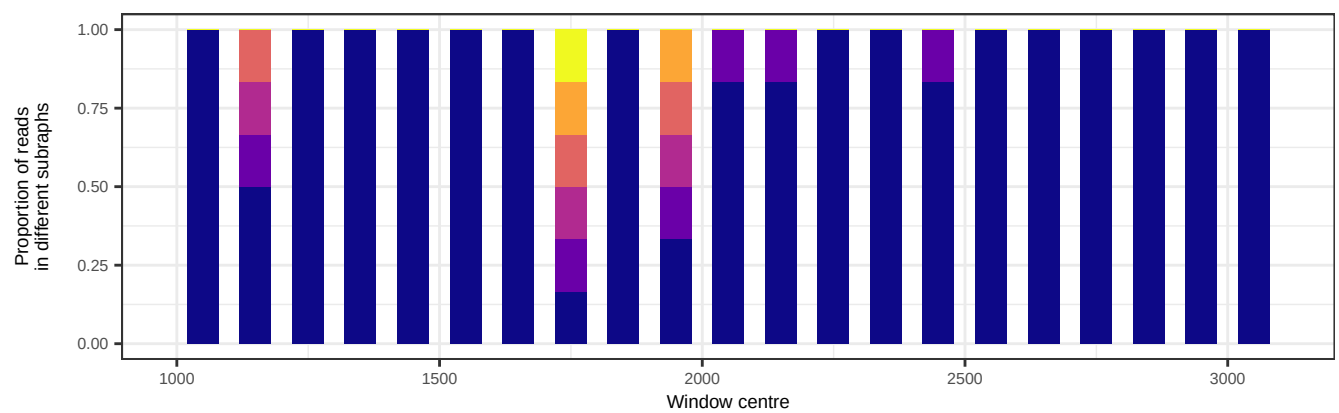
AW18


Tip or read count
6.050
6.025
6.000
5.975
5.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

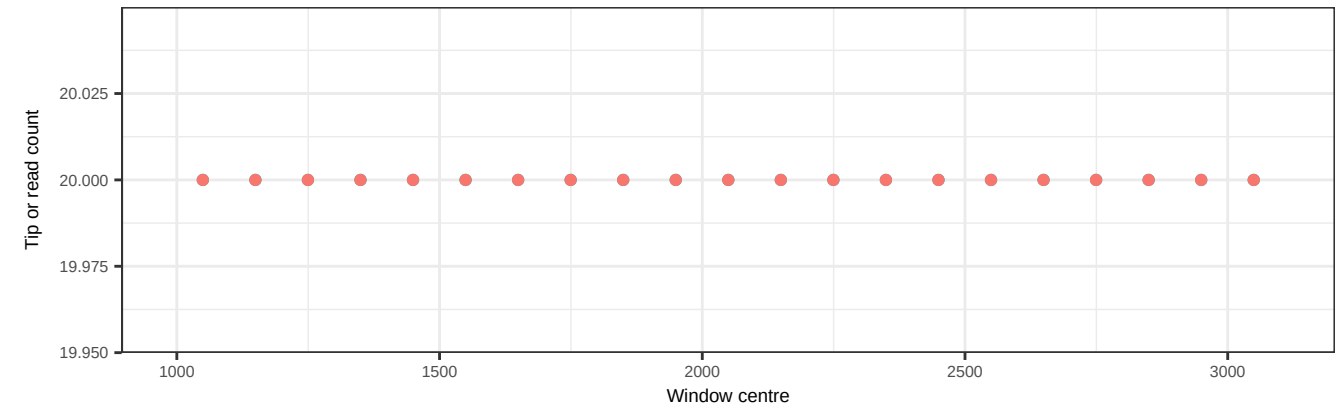

Subgraph or clade count
6
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

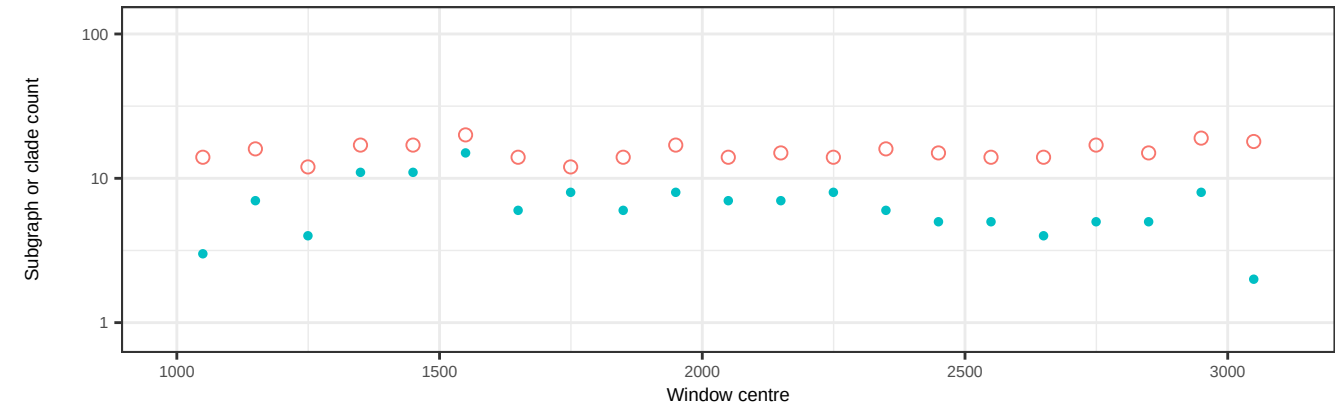

Mean root−to−tip−distance
(read−weighted)
0.0125
0.0100
0.0075
0.0050
0.0025
0.0000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

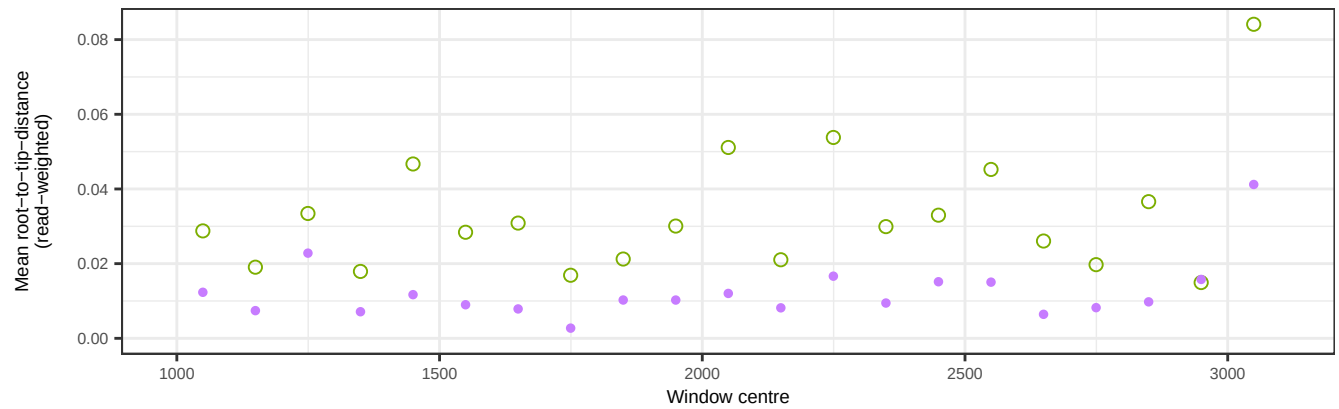

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

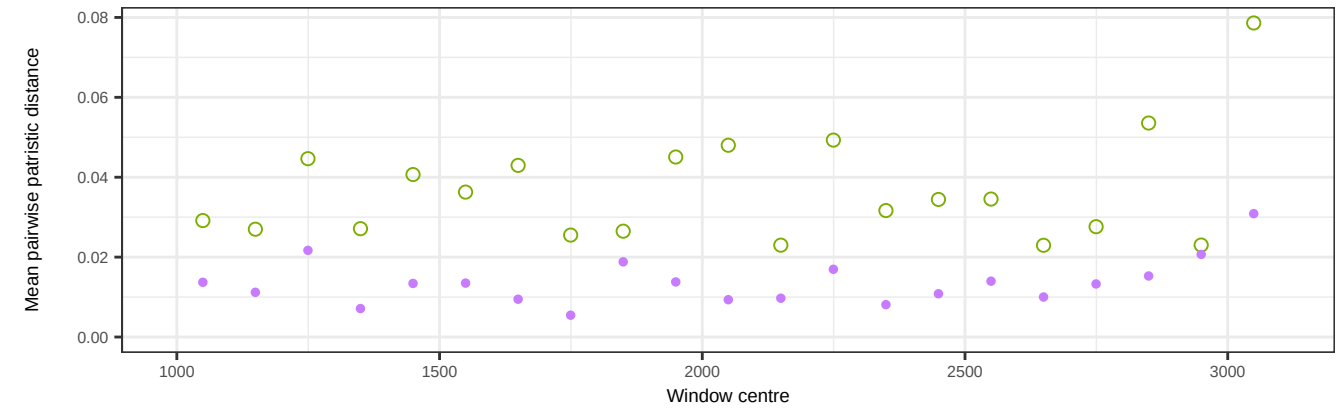

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

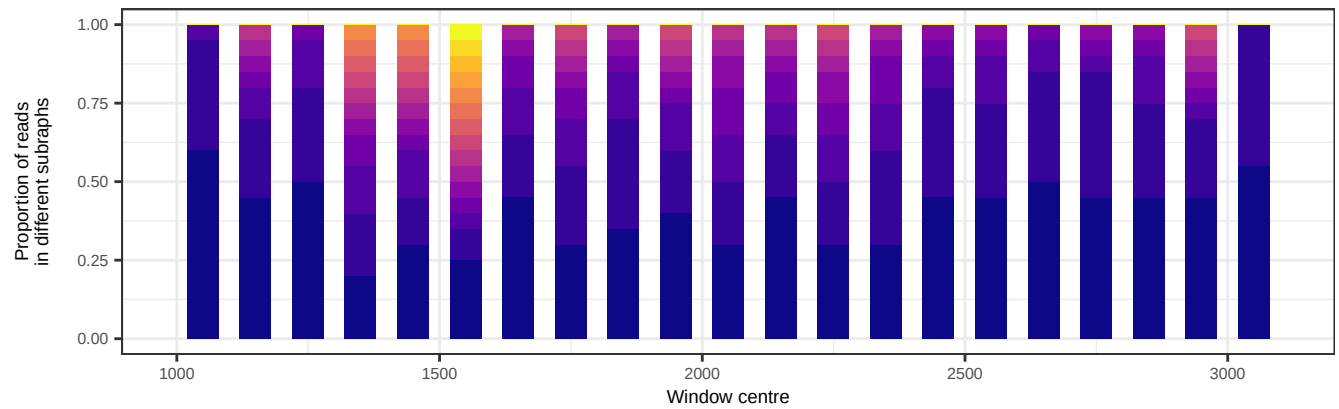
AW2


Tip or read count
20.025
20.000
19.975
19.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

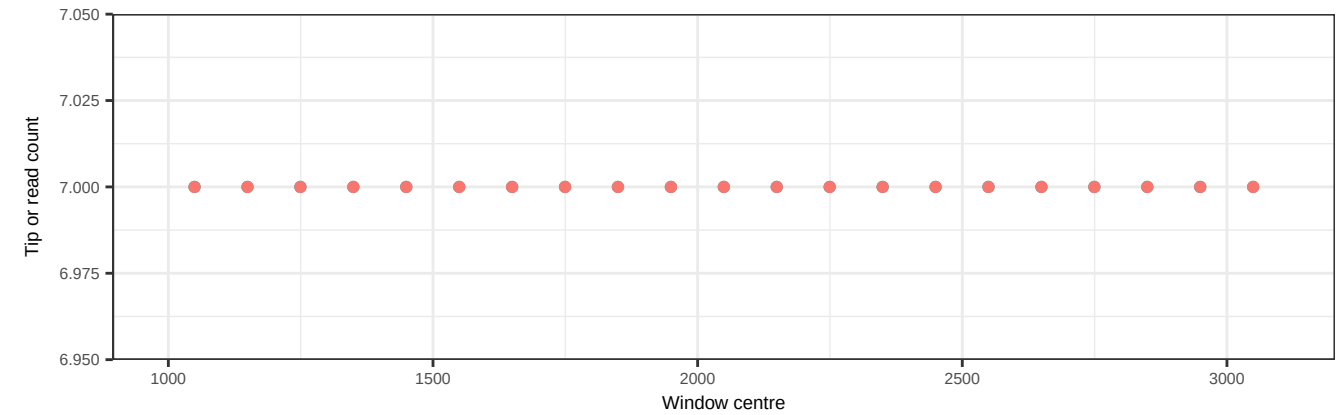

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

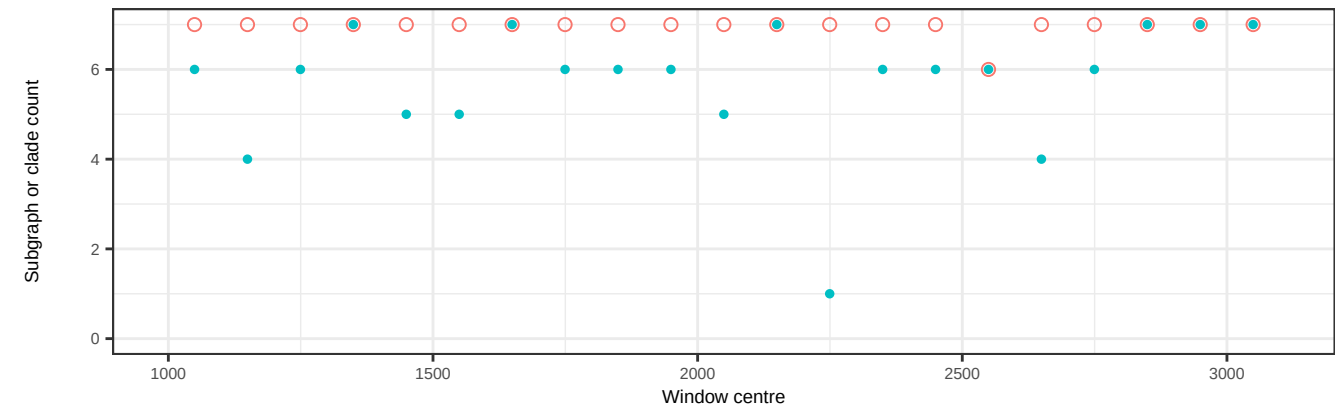

Mean root−to−tip−distance
(read−weighted)
0.08
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

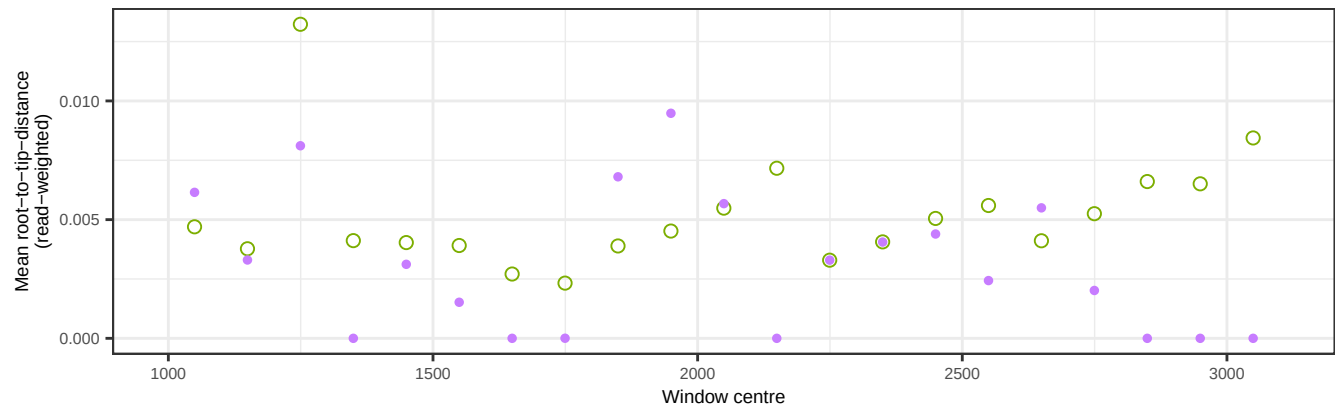

Mean pairwise patristic distance
0.08
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

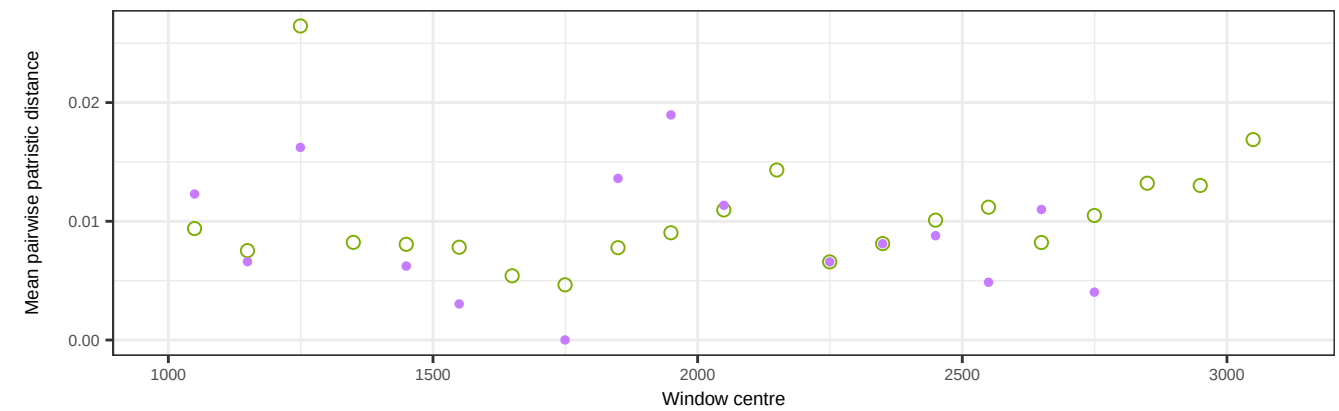

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

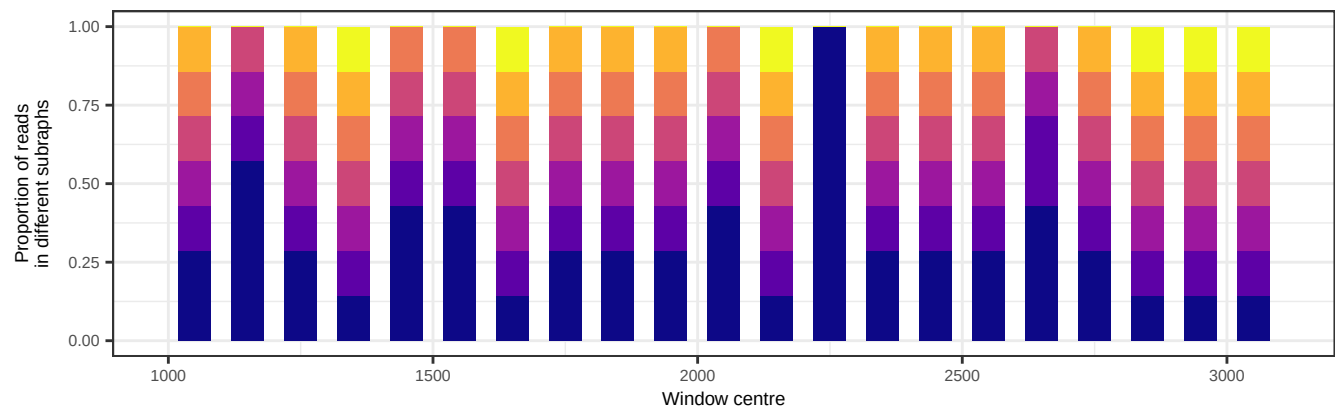
AW20


Tip or read count
7.050
7.025
7.000
6.975
6.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

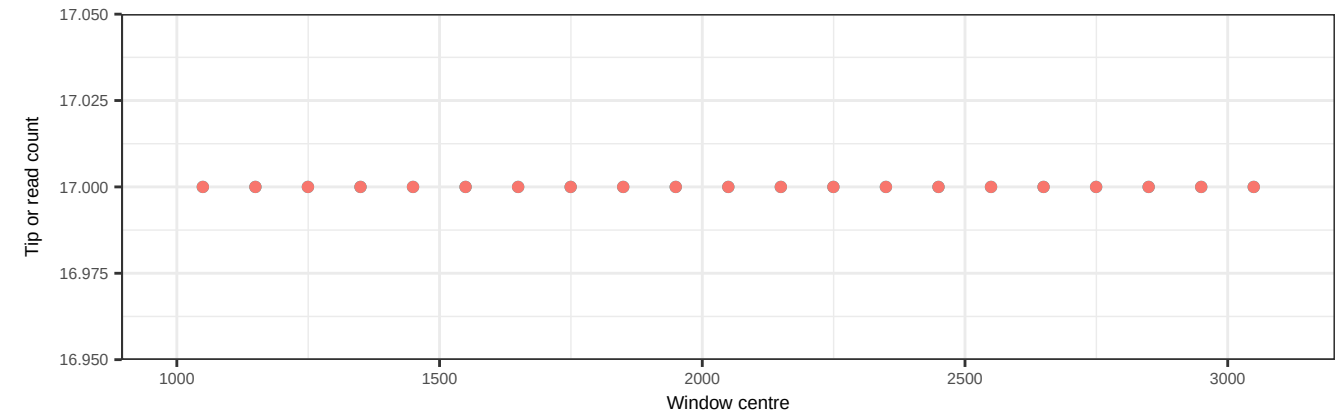

Subgraph or clade count
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

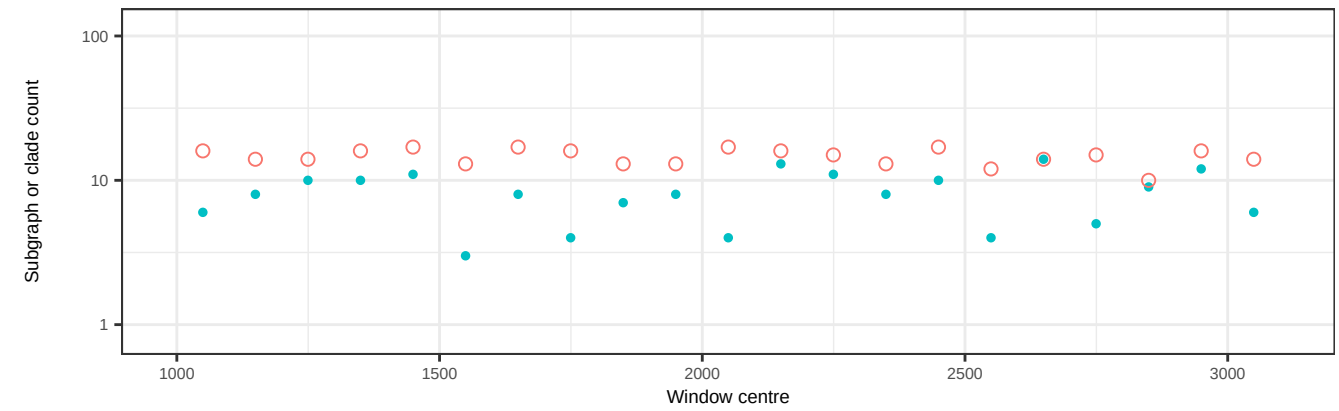

Mean root−to−tip−distance
(read−weighted)
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

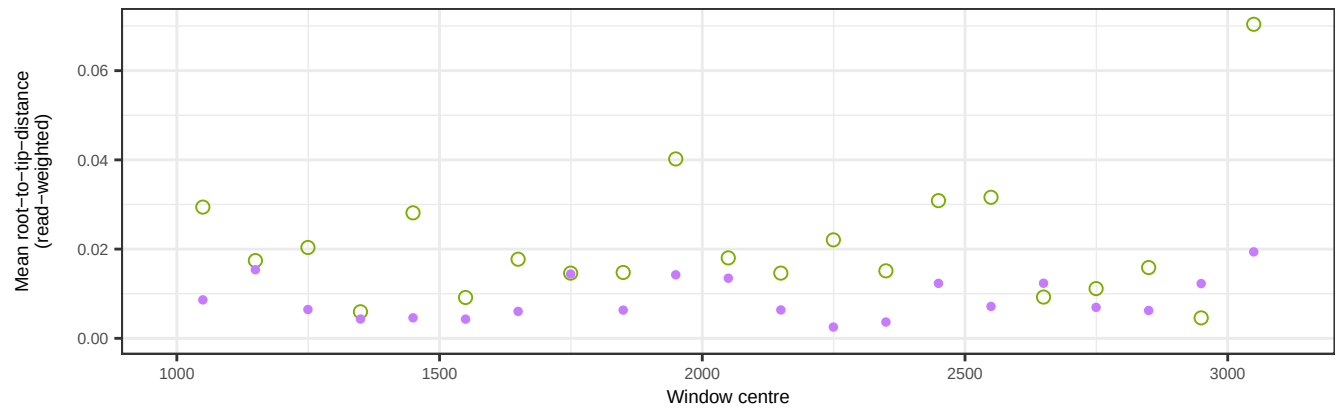

Mean pairwise patristic distance
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

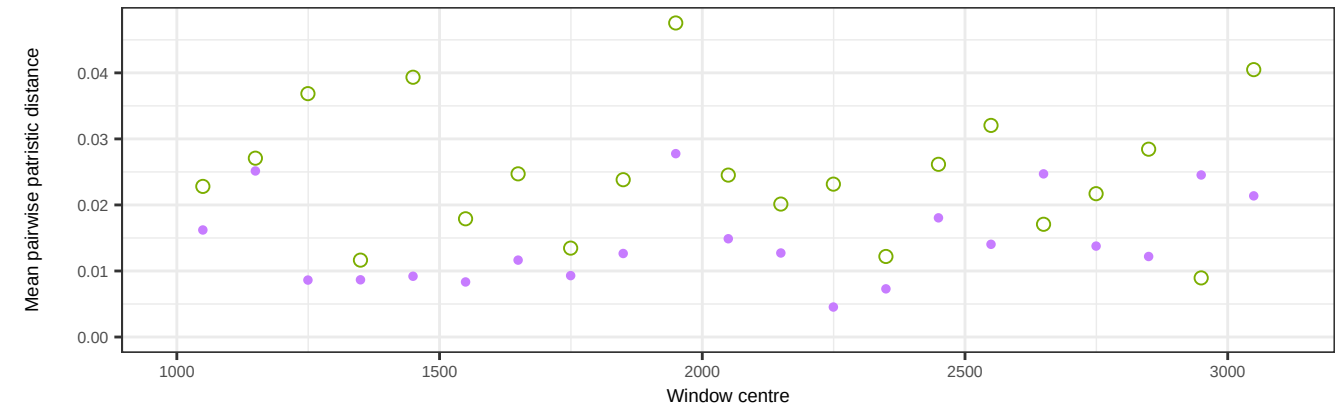

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

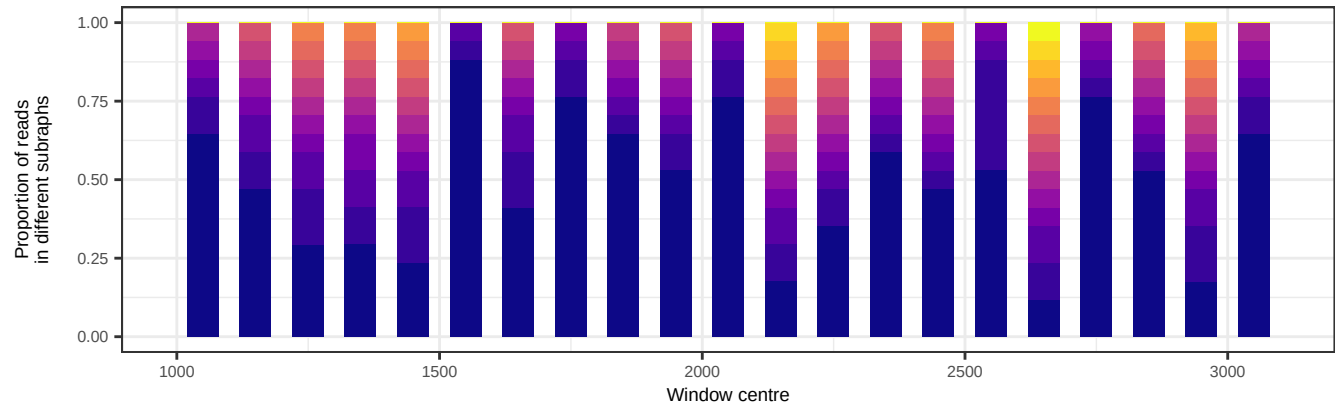
AW21


Tip or read count
17.050
17.025
17.000
16.975
16.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

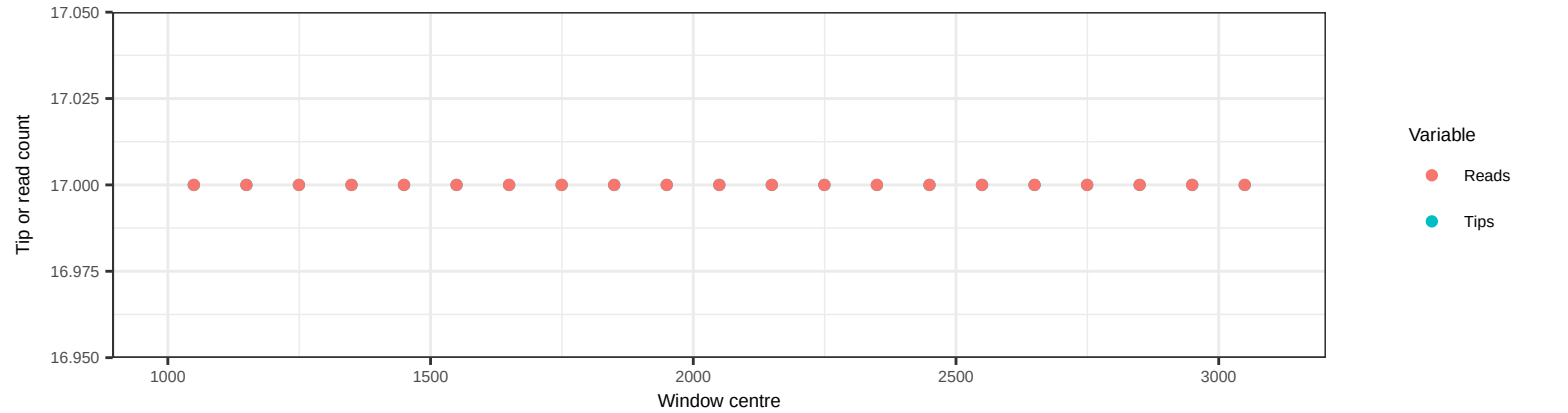

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

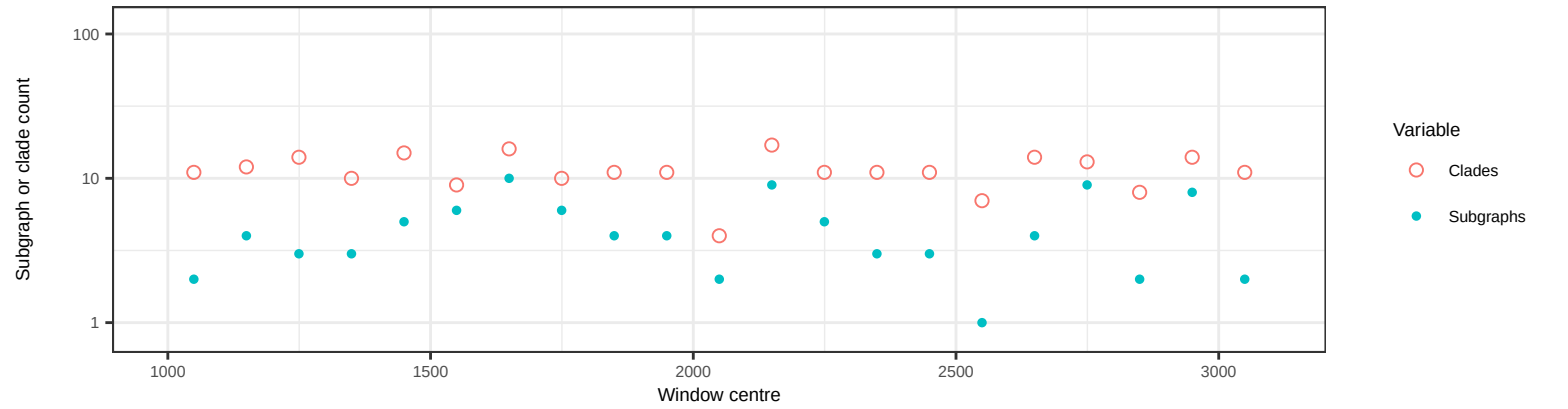

Mean root−to−tip−distance
(read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

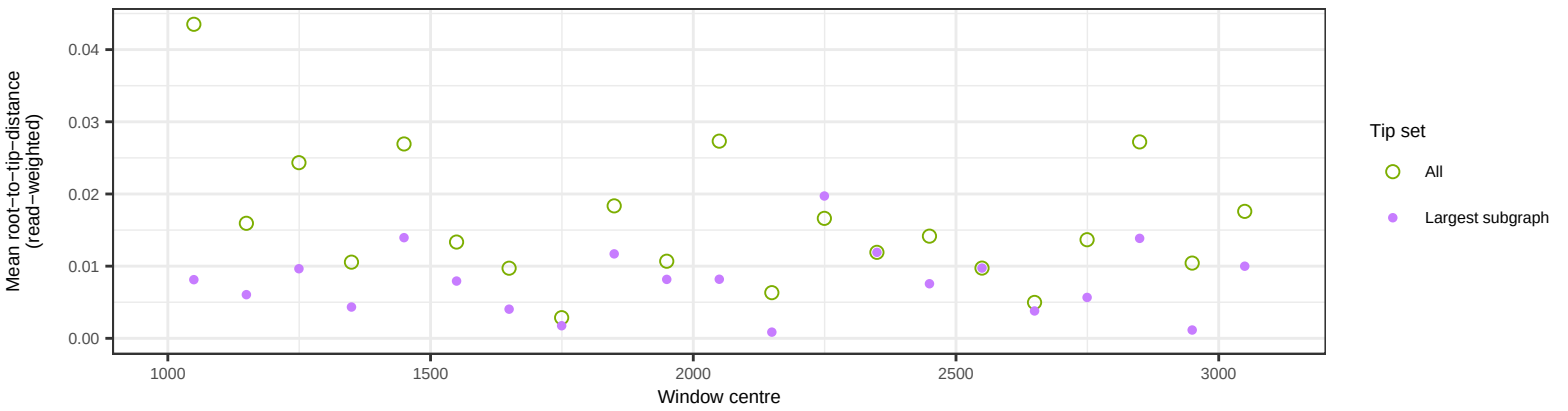

Mean pairwise patristic distance
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

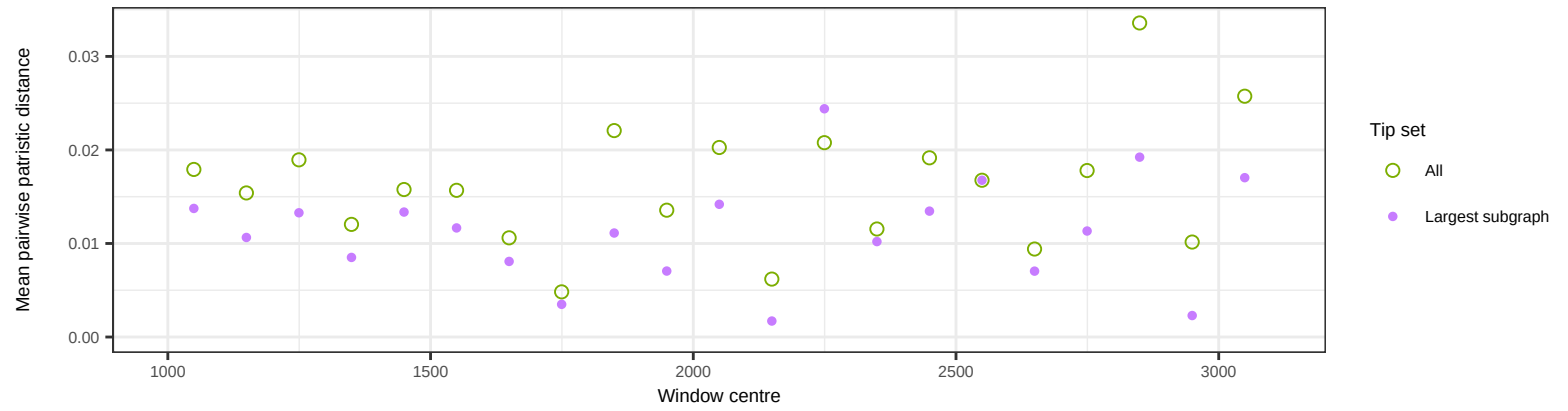

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
14
13
12
11
10
9
8
7
6
5
4
3
2
1

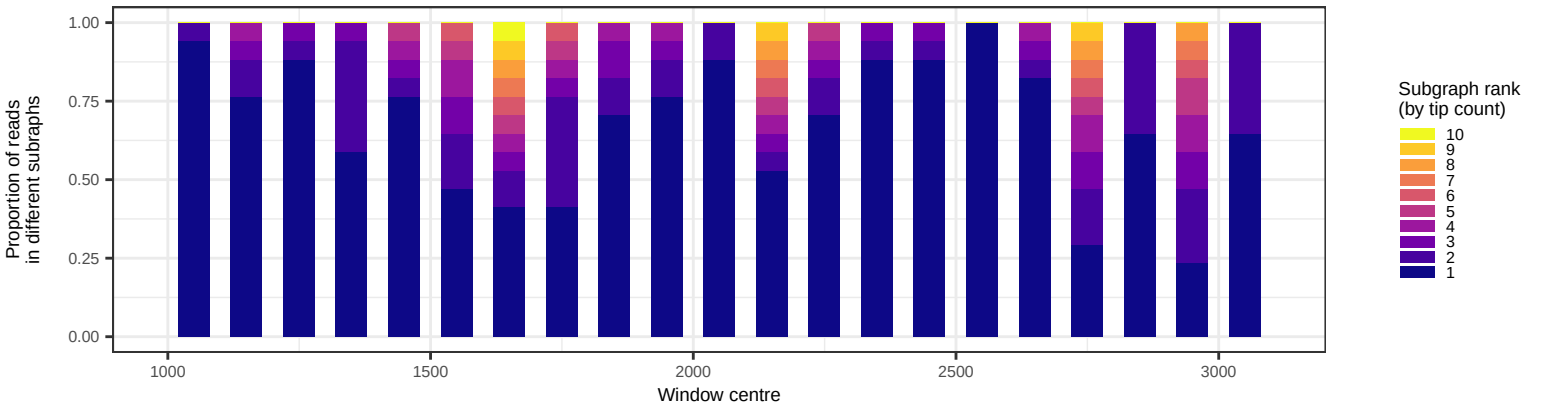
AW22


Tip or read count
17.050
17.025
17.000
16.975
16.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

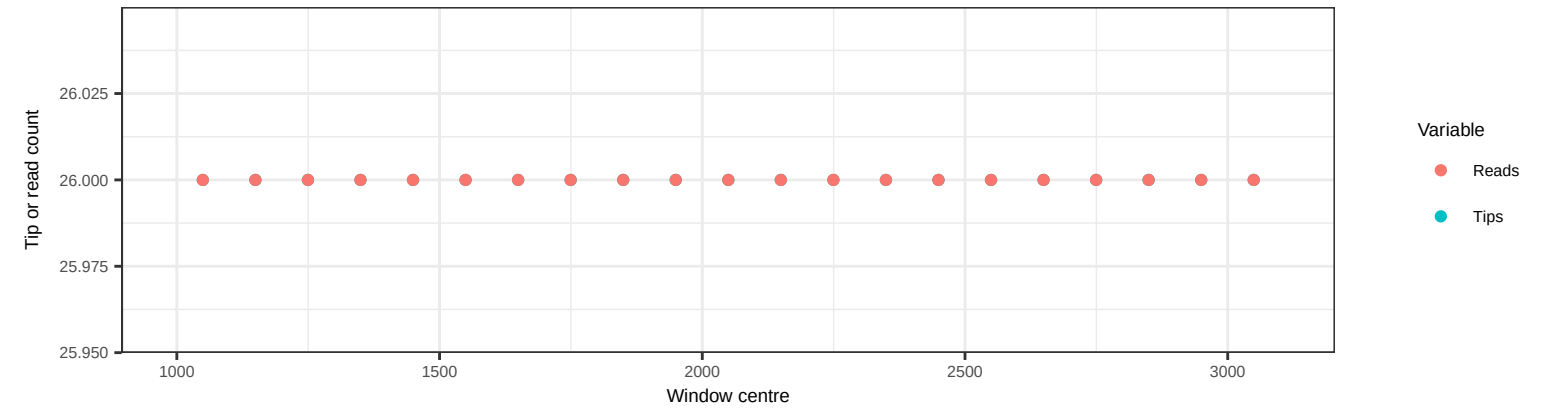

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

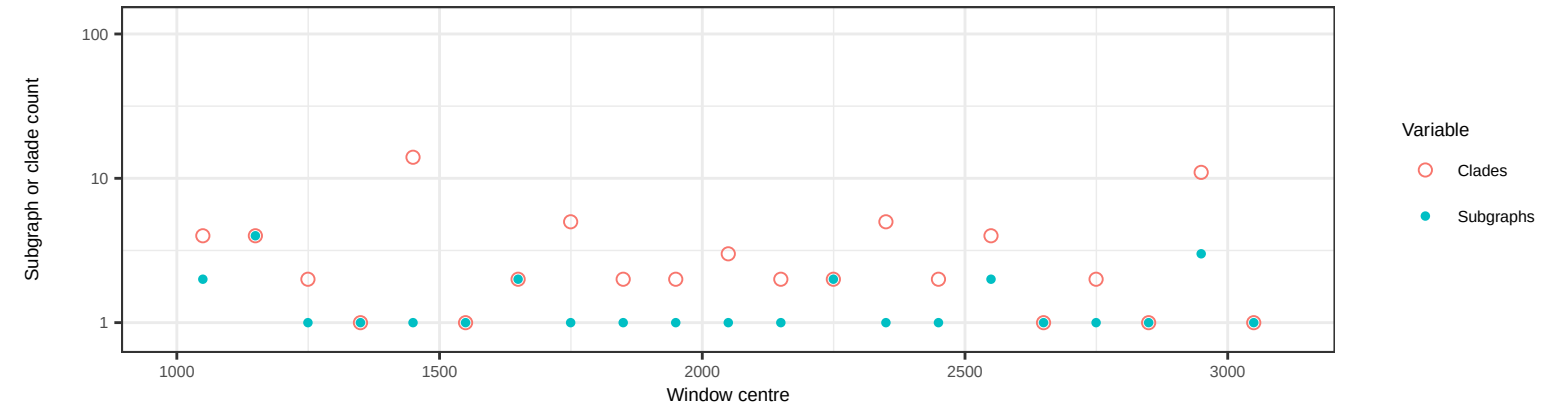

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

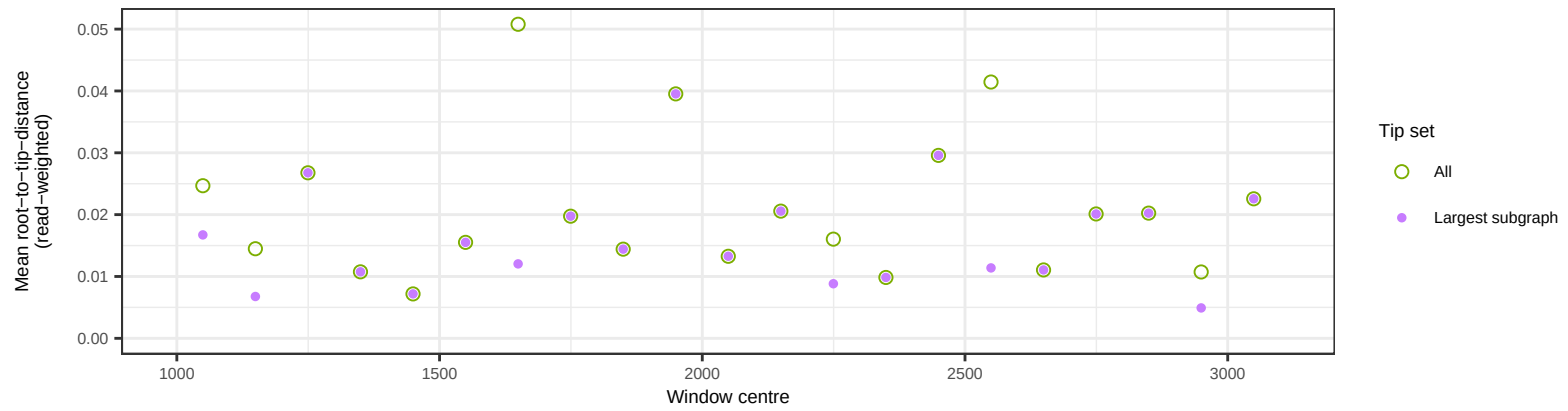

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

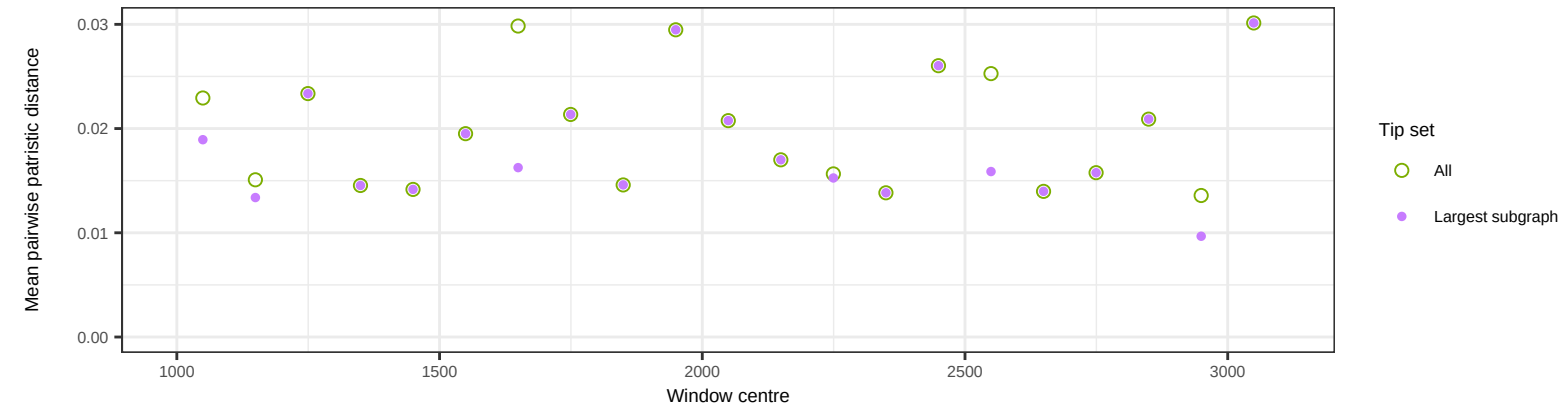

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
10
9
8
7
6
5
4
3
2
1

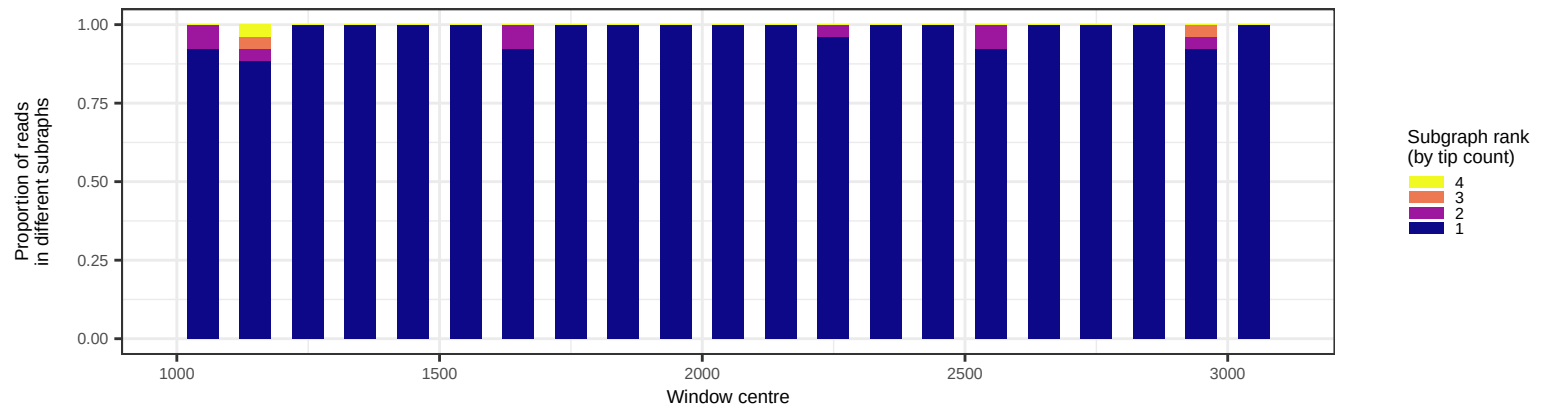
AW27


Tip or read count
26.025
26.000
25.975
25.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

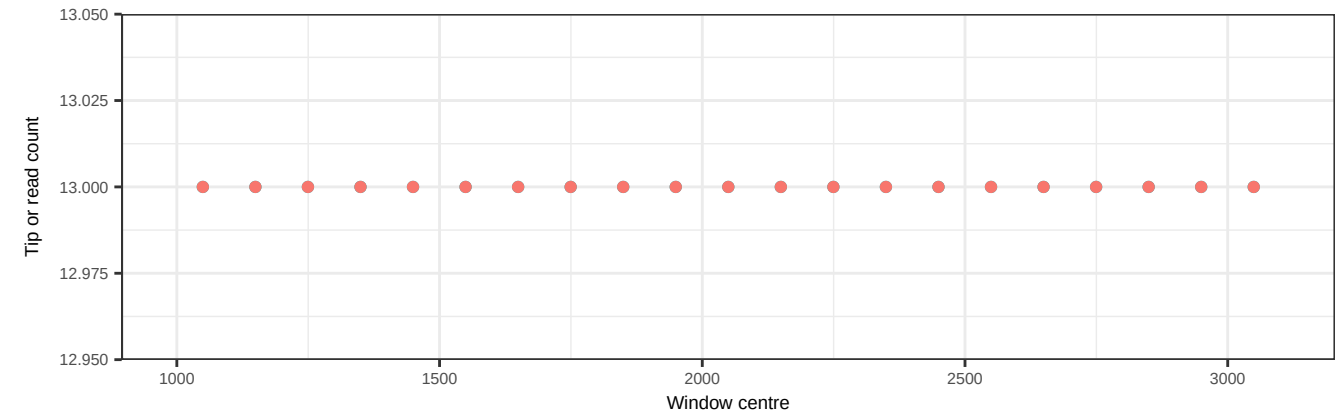

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

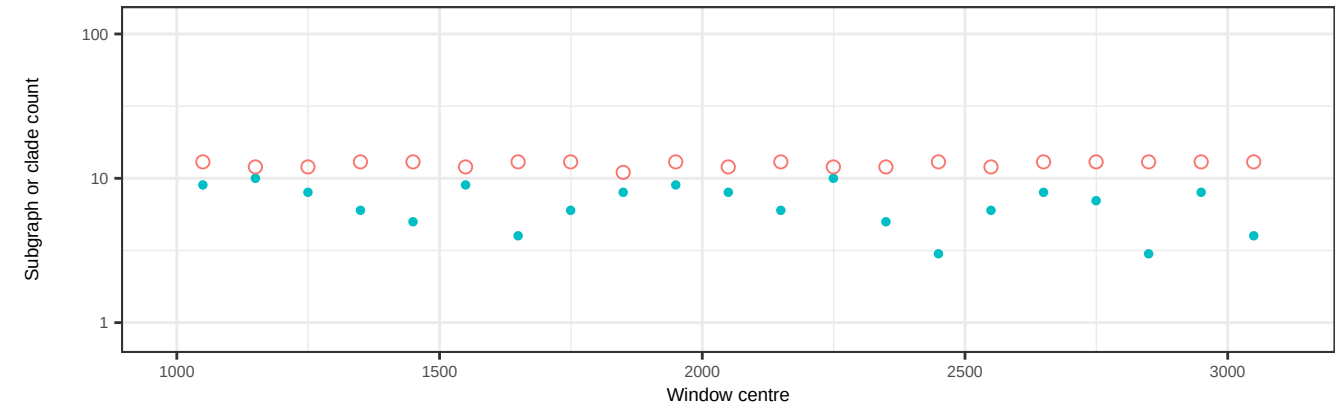

Mean root−to−tip−distance
(read−weighted)
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

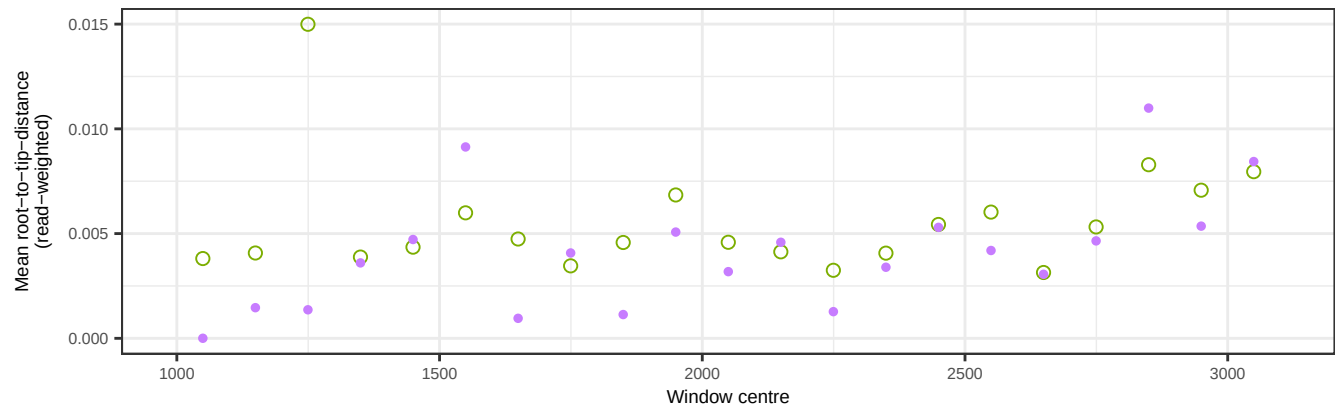

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

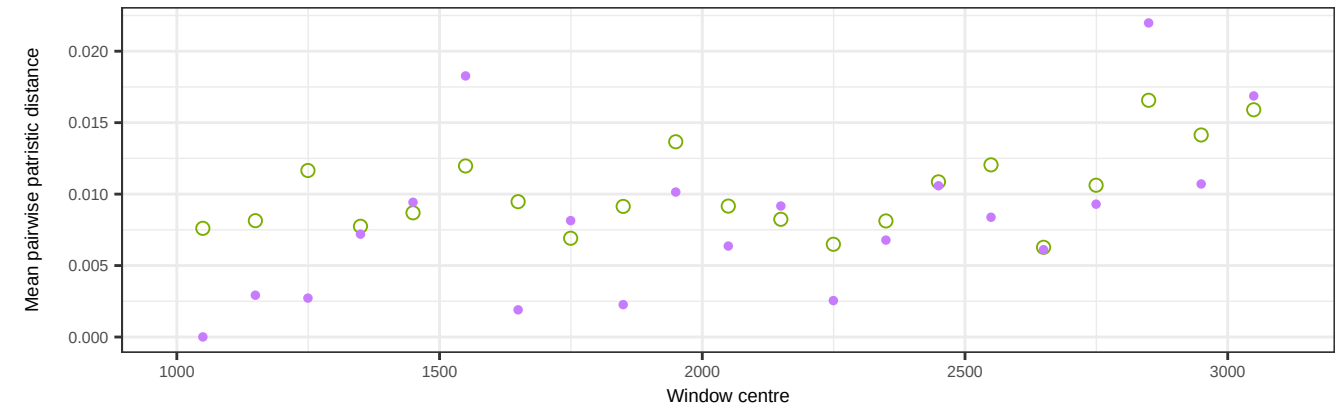

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
4
3
2
1

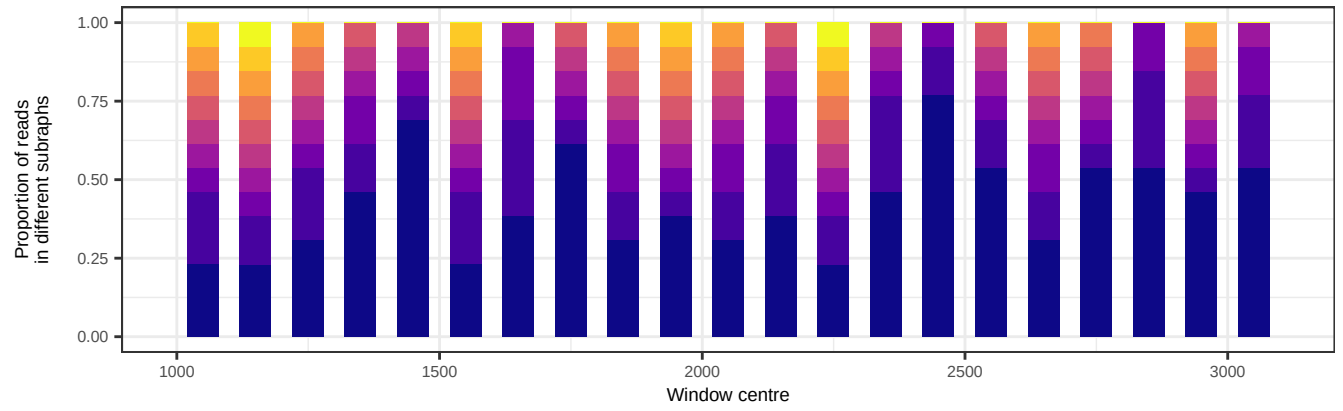
AW28


Tip or read count
13.050
13.025
13.000
12.975
12.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

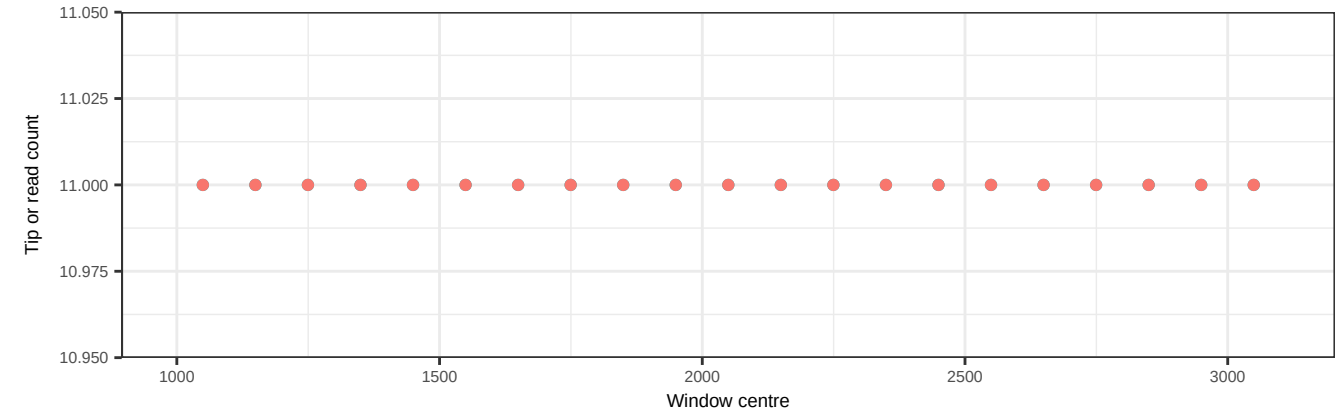

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

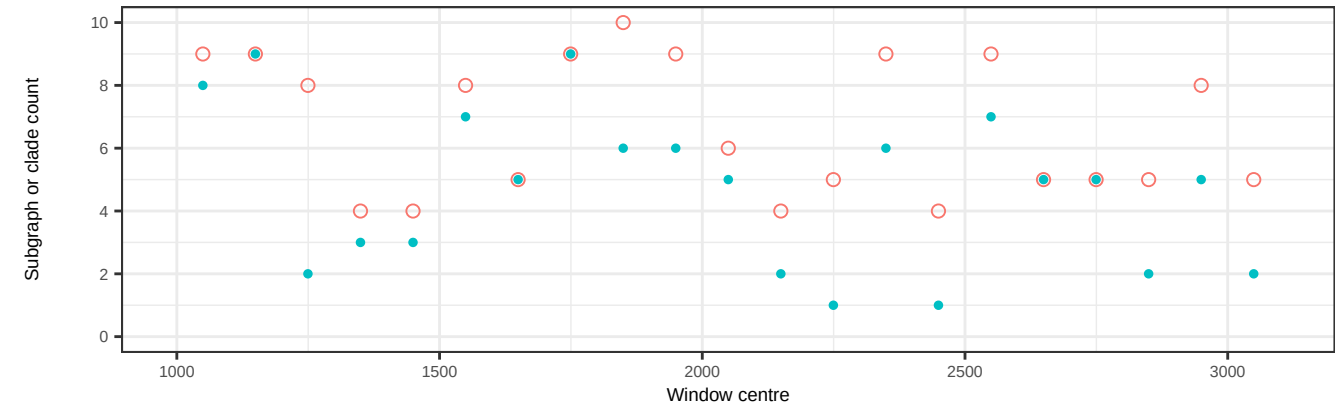

Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

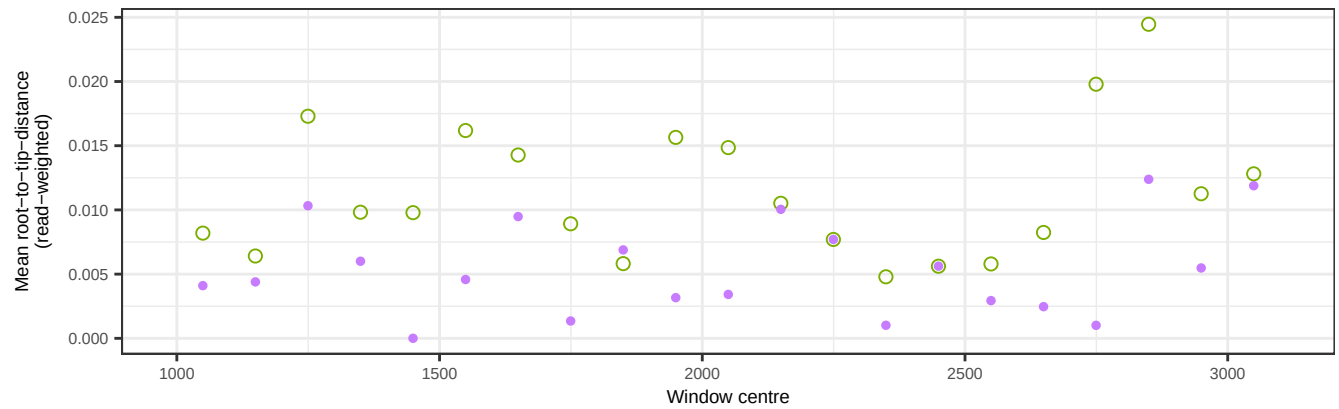

Mean pairwise patristic distance
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

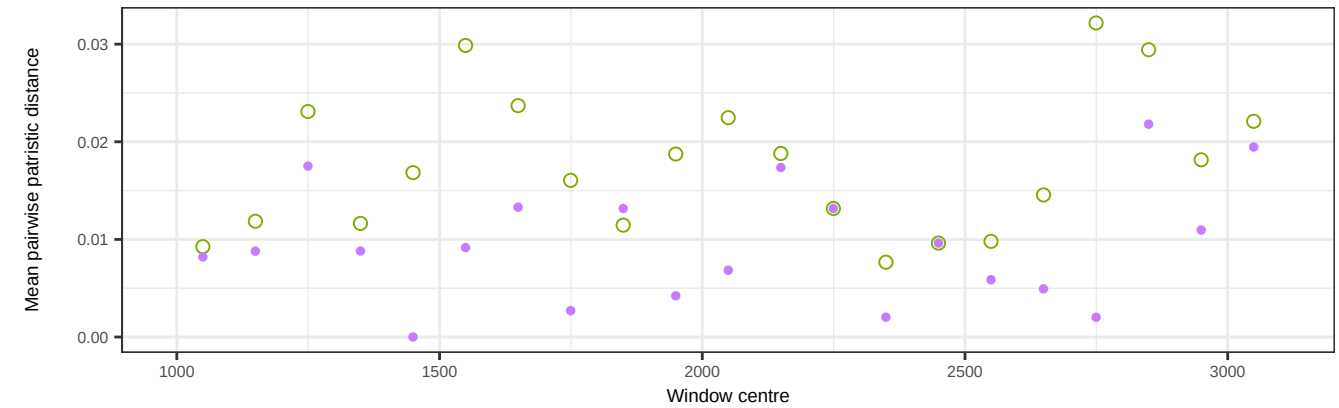

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
10
9
8
7
6
5
4
3
2
1

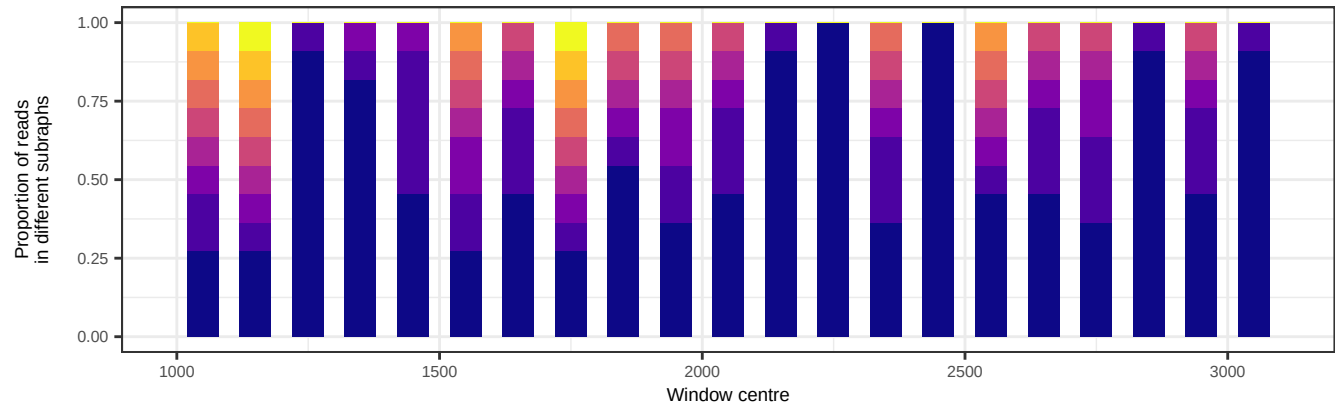
AW34


Tip or read count
11.050
11.025
11.000
10.975
10.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

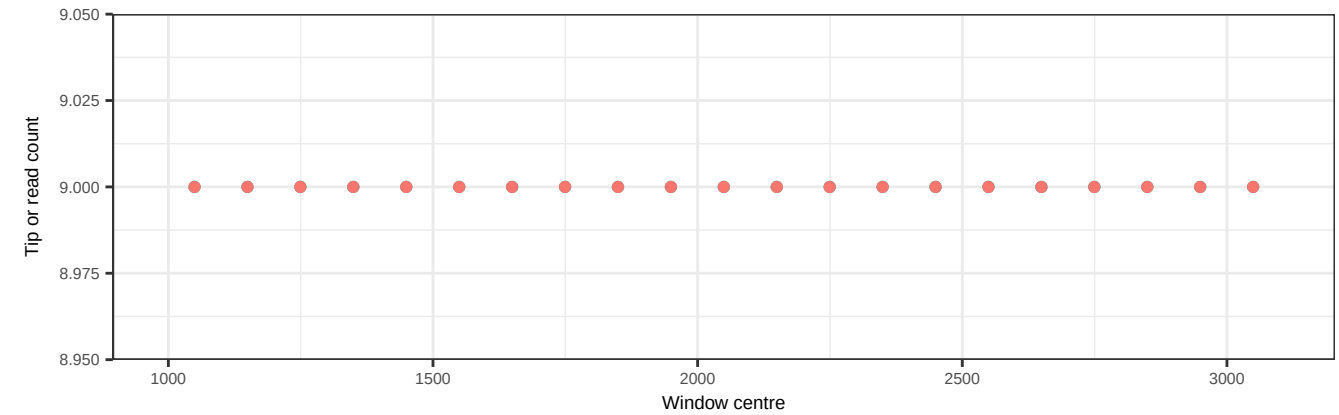

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

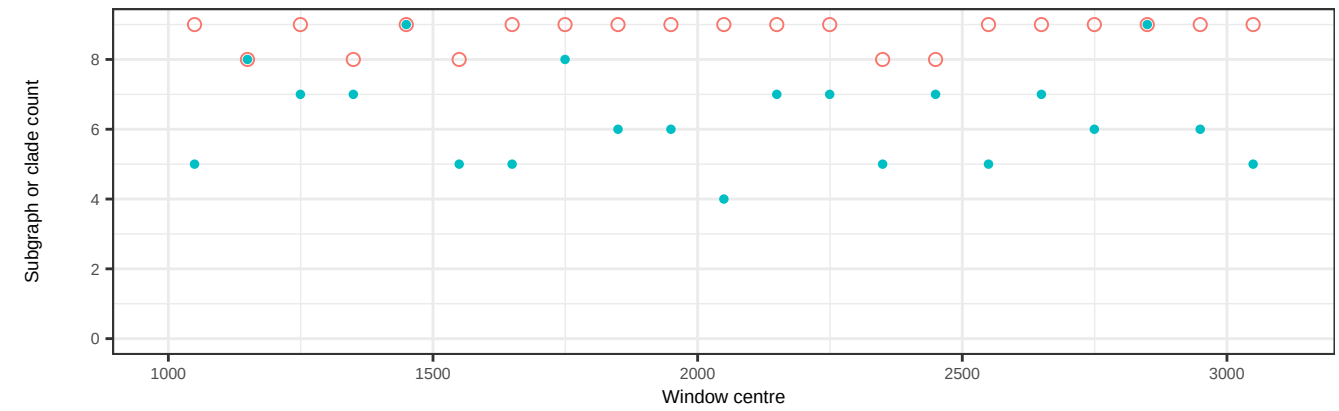

Mean root−to−tip−distance
(read−weighted)
0.025
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

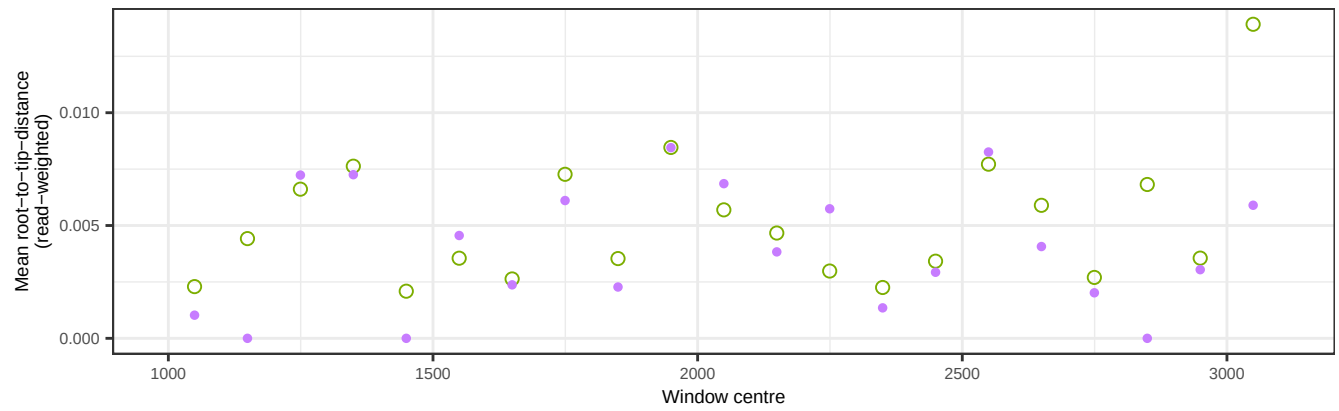

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

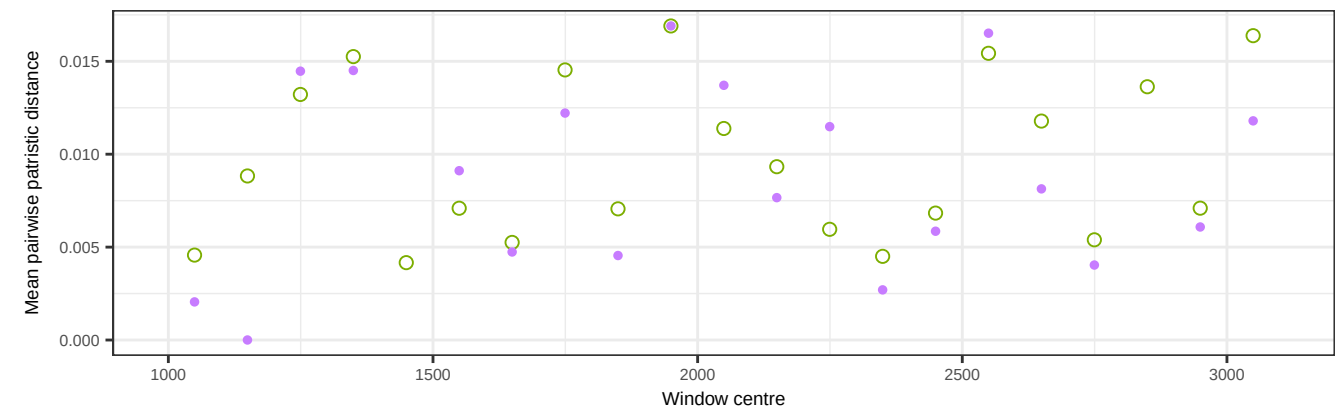

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
9
8
7
6
5
4
3
2
1

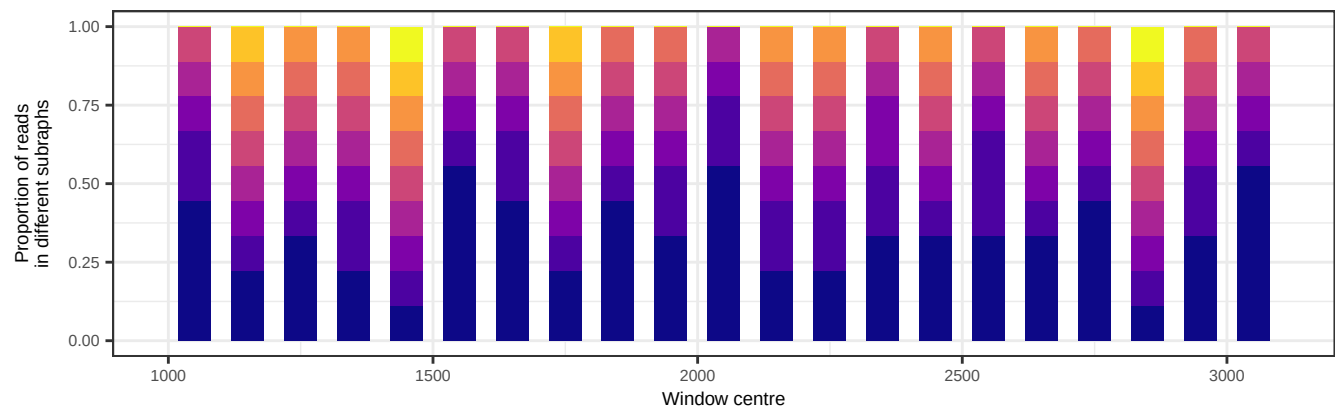
AW35


Tip or read count
9.050
9.025
9.000
8.975
8.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

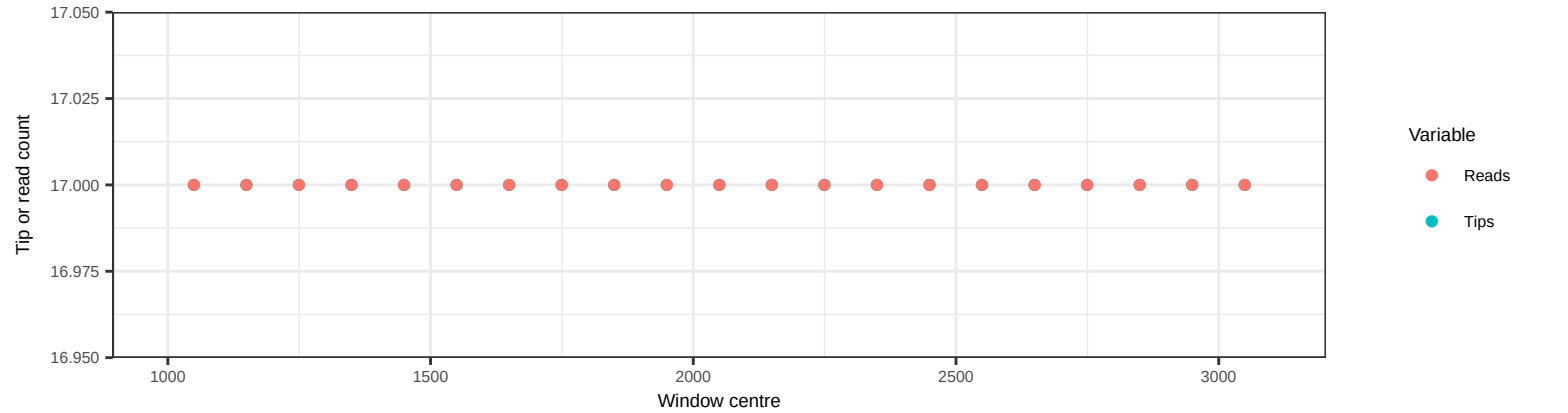

Subgraph or clade count
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

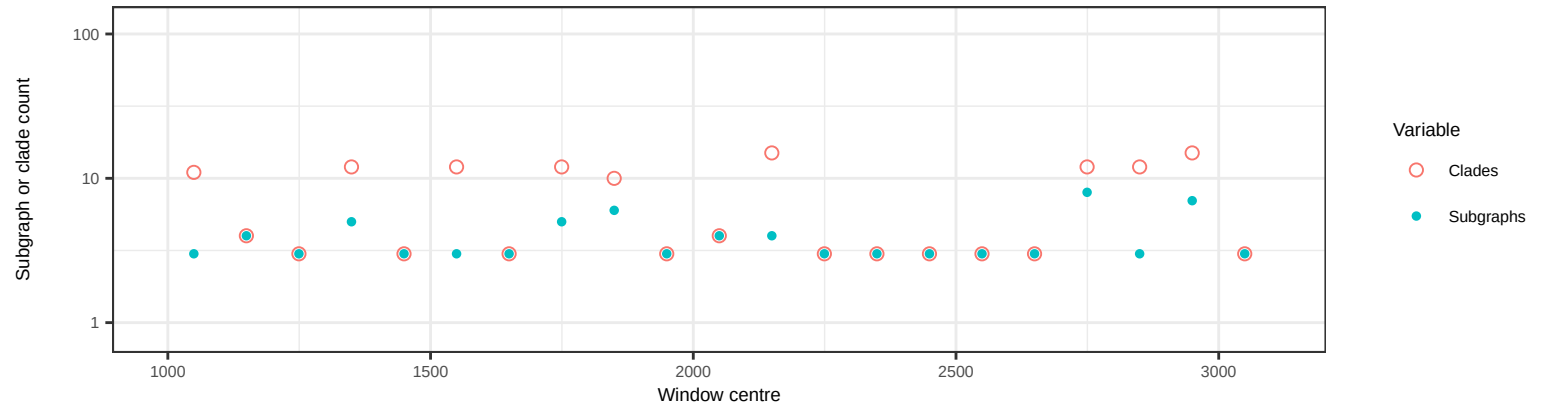

Mean root−to−tip−distance
(read−weighted)
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

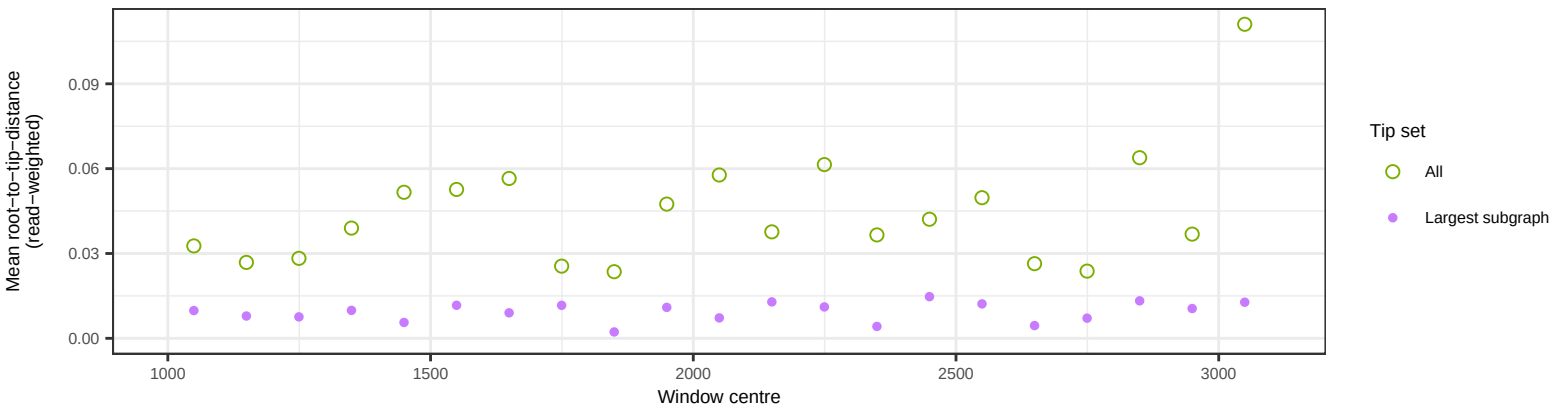

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

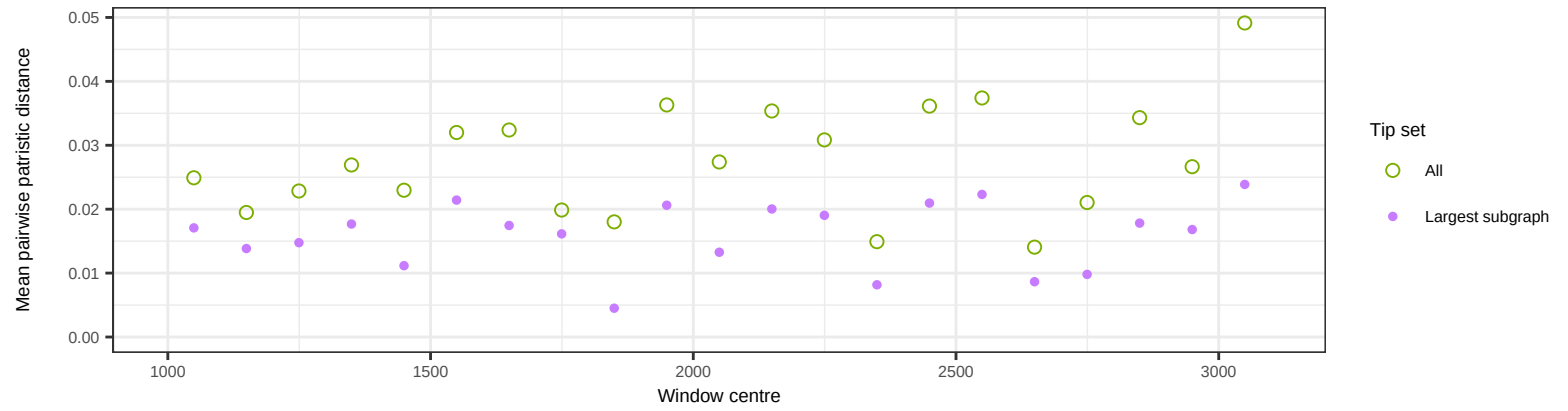

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
9
8
7
6
5
4
3
2
1

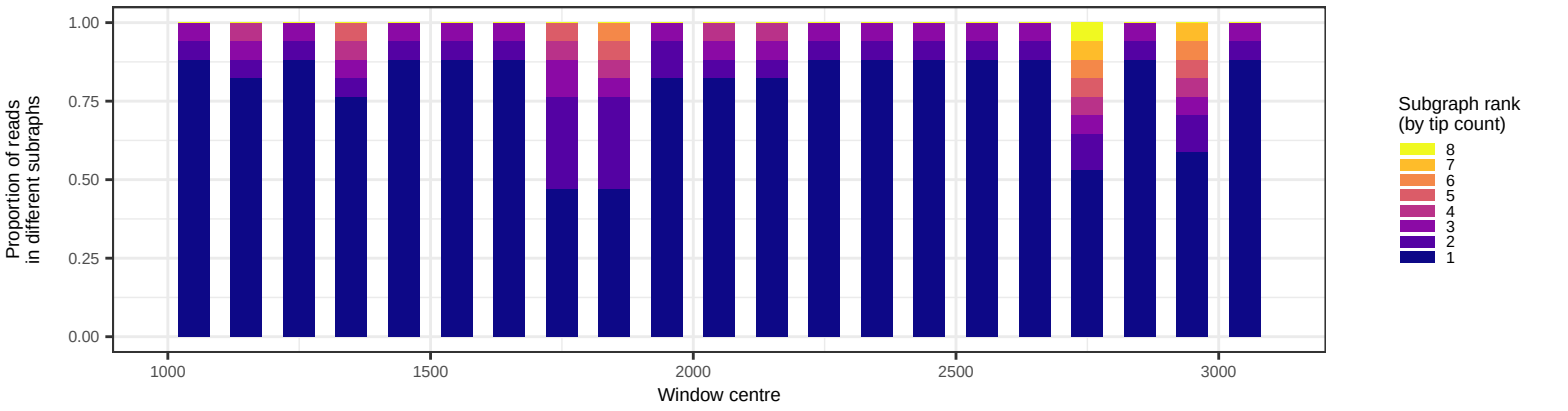
AW4


Tip or read count
17.050
17.025
17.000
16.975
16.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

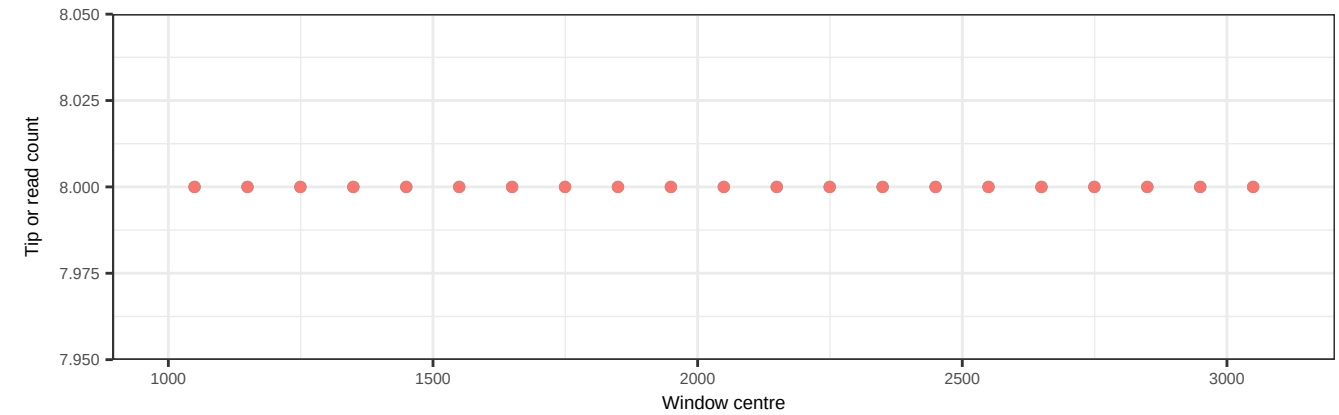

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

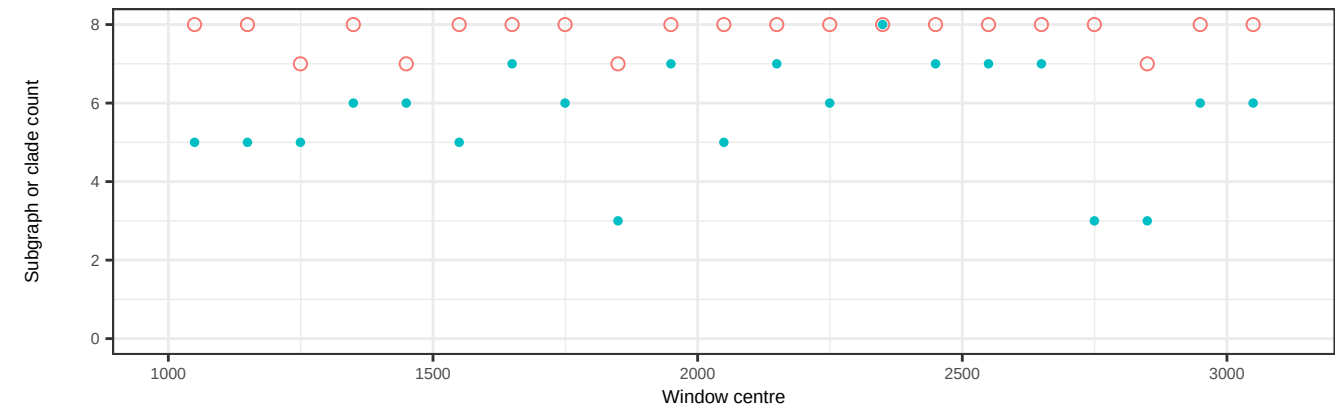

Mean root−to−tip−distance
(read−weighted)
0.09
0.06
0.03
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

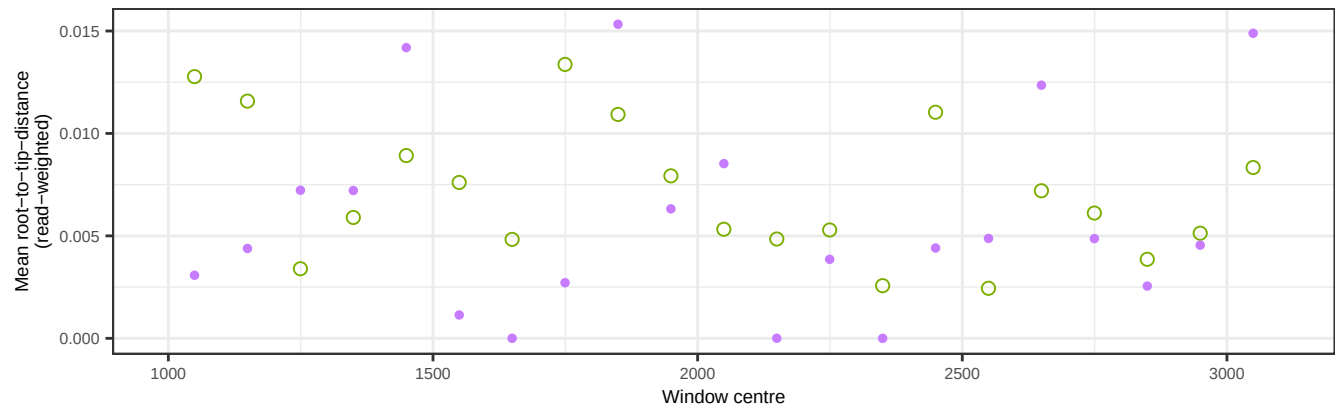

Mean pairwise patristic distance
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

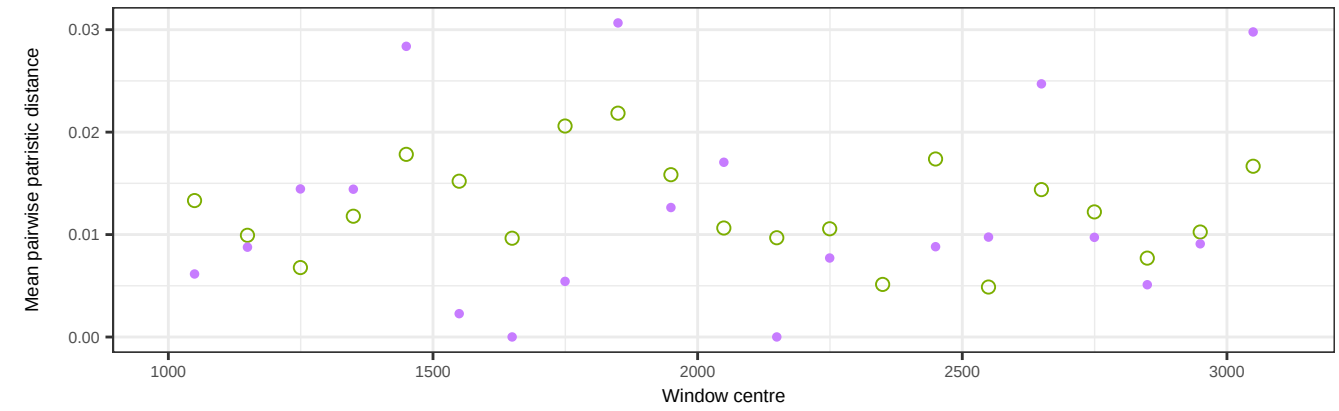

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
8
7
6
5
4
3
2
1

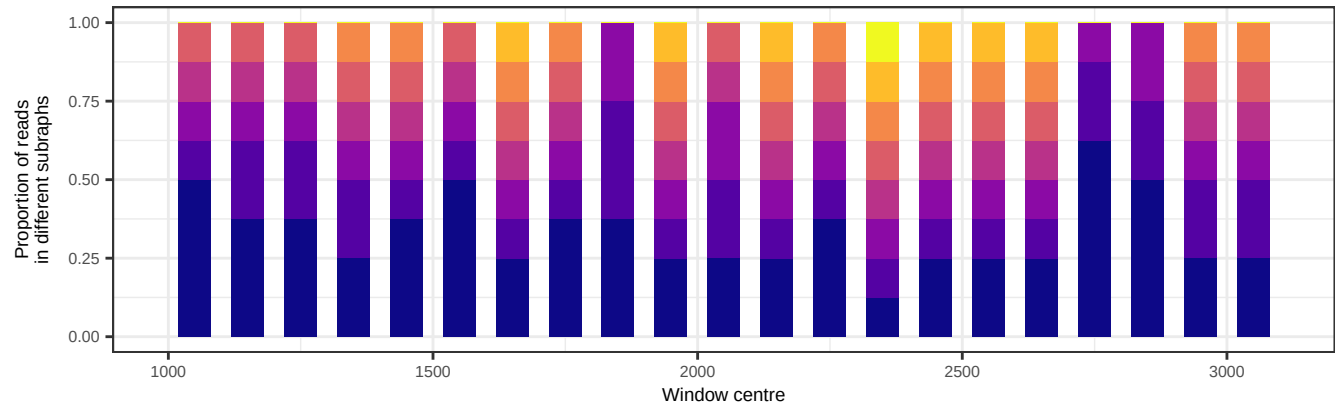
AW7


Tip or read count
8.050
8.025
8.000
7.975
7.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

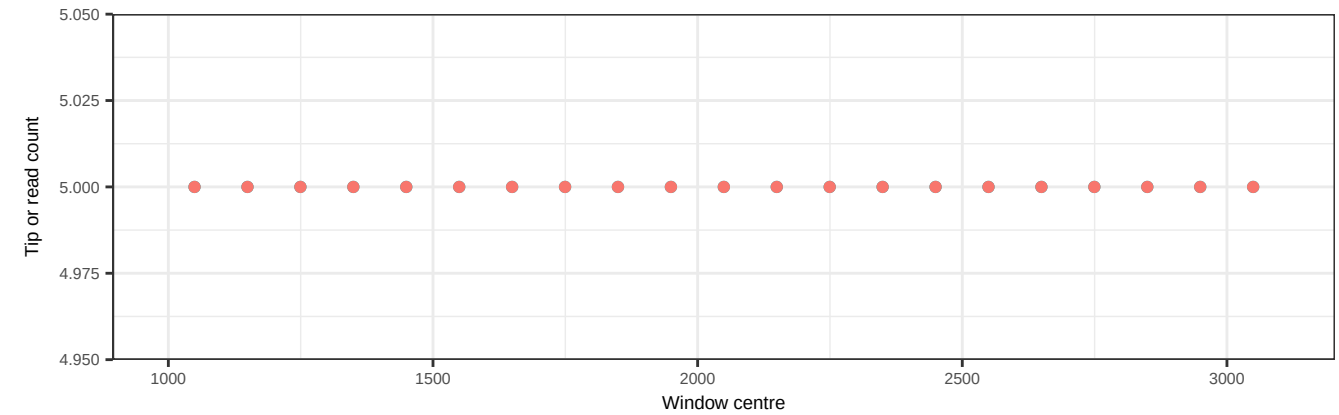

Subgraph or clade count
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

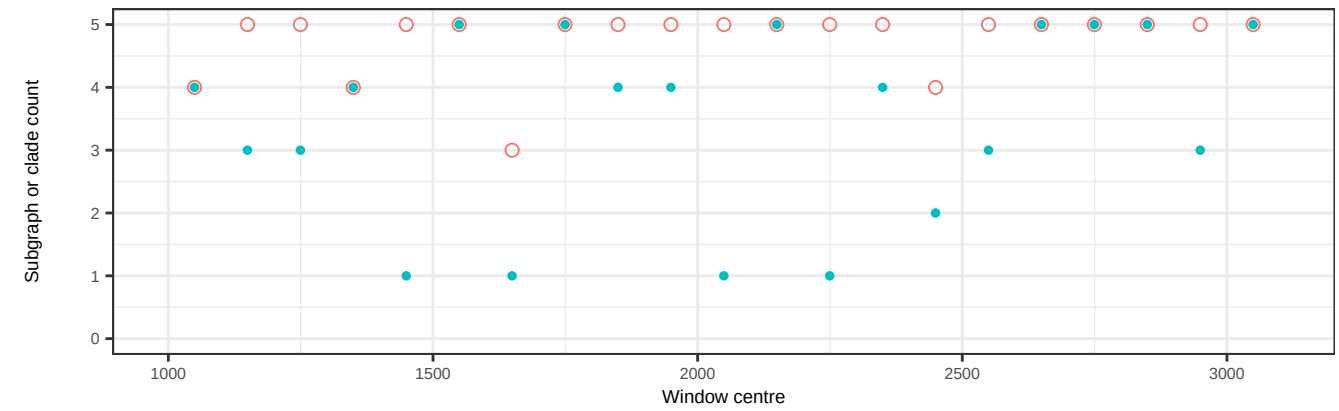

Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

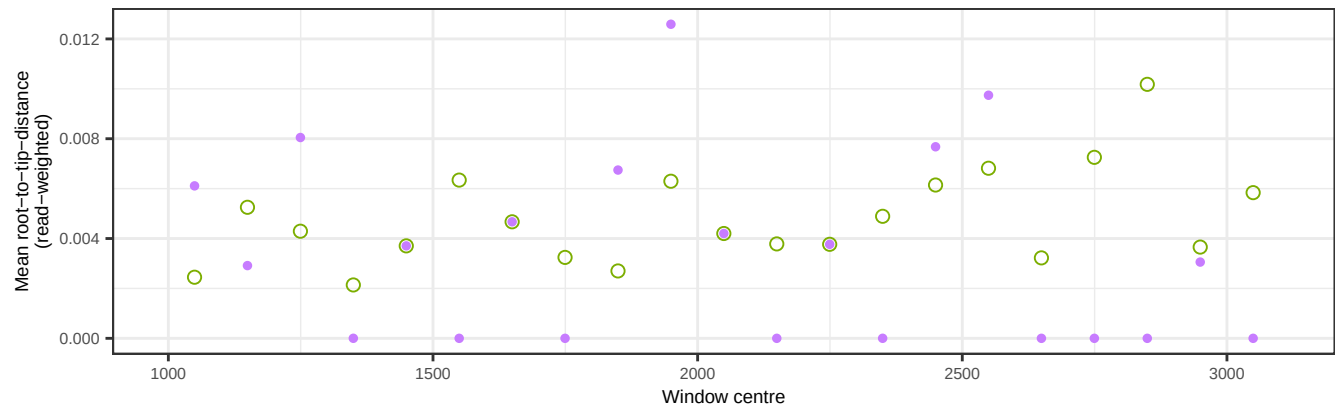

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

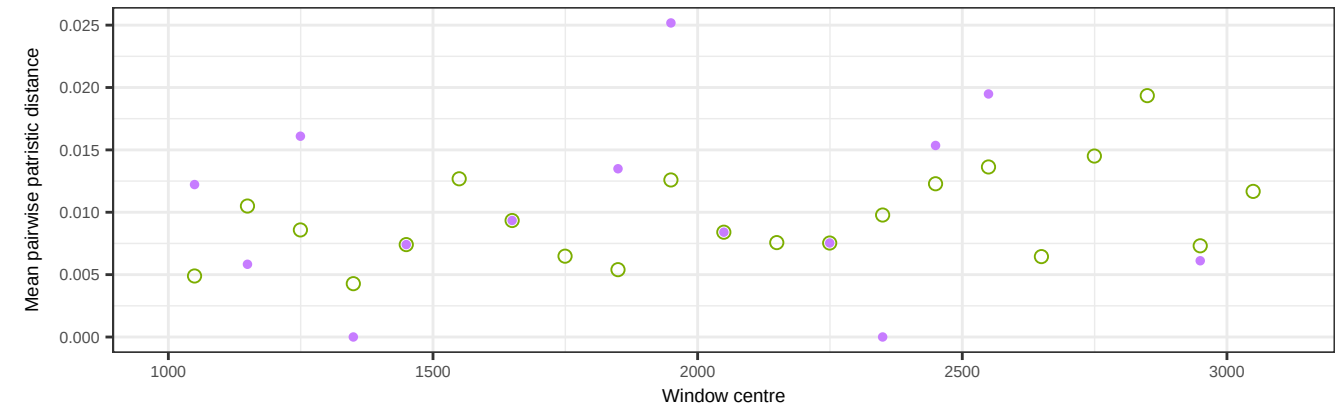

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
8
7
6
5
4
3
2
1

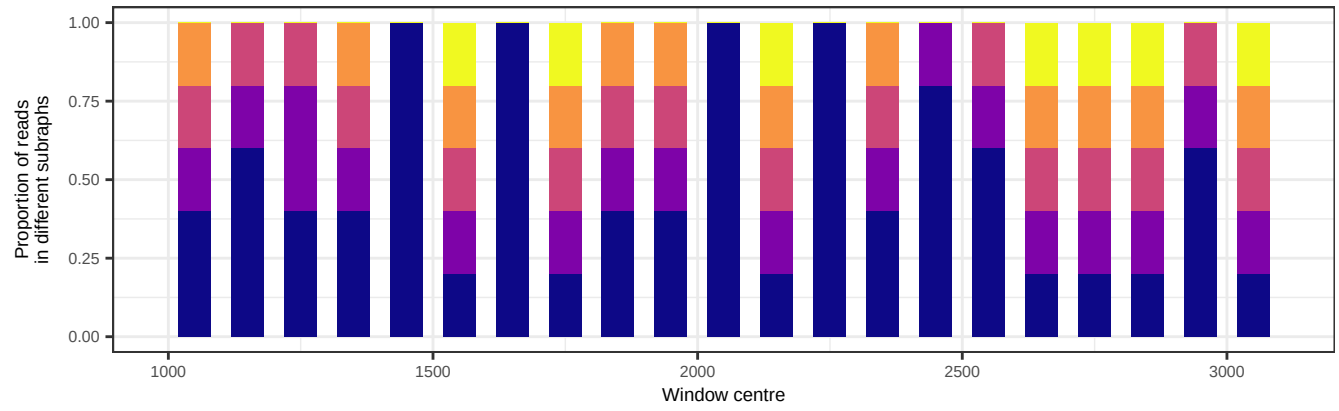
AW8


Tip or read count
5.050
5.025
5.000
4.975
4.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

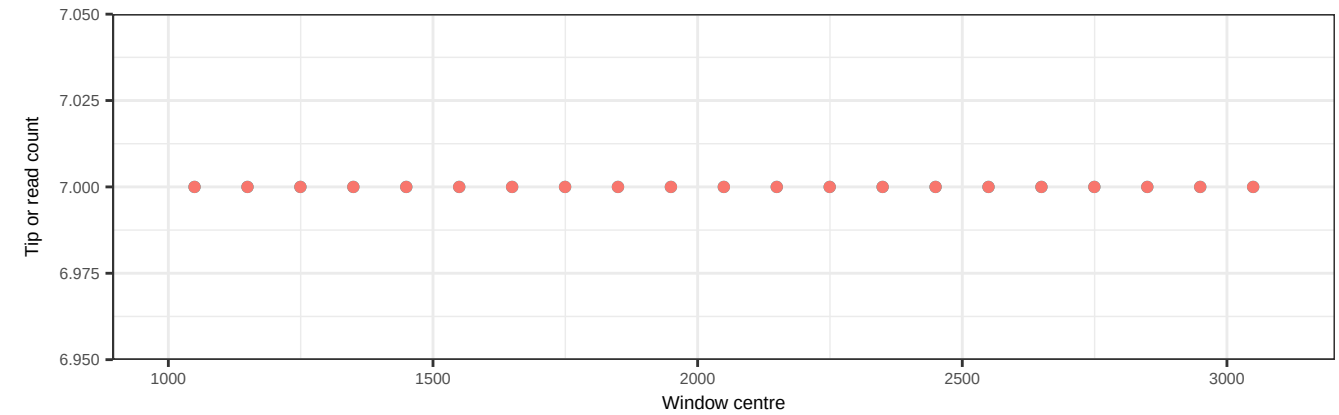

Subgraph or clade count
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

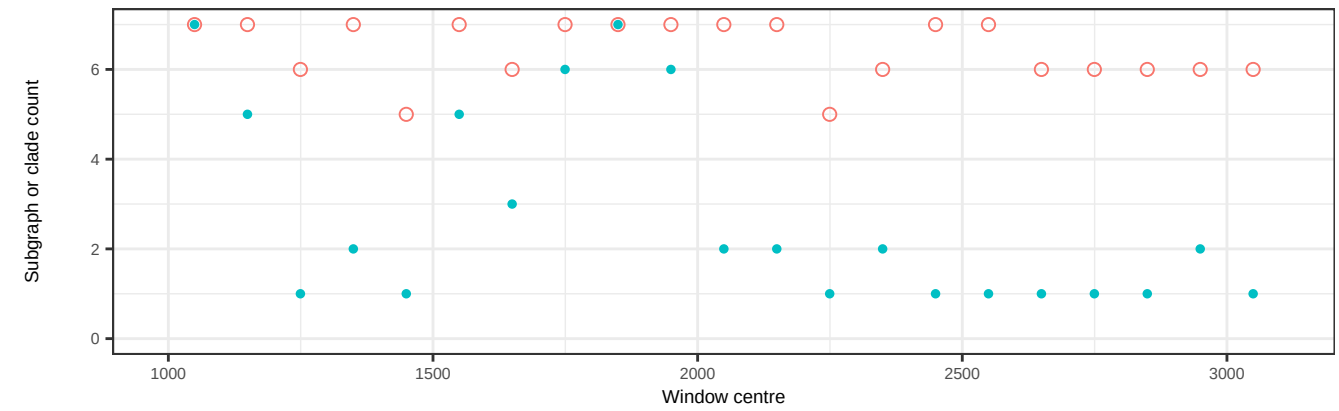

Mean root−to−tip−distance
(read−weighted)
0.012
0.008
0.004
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

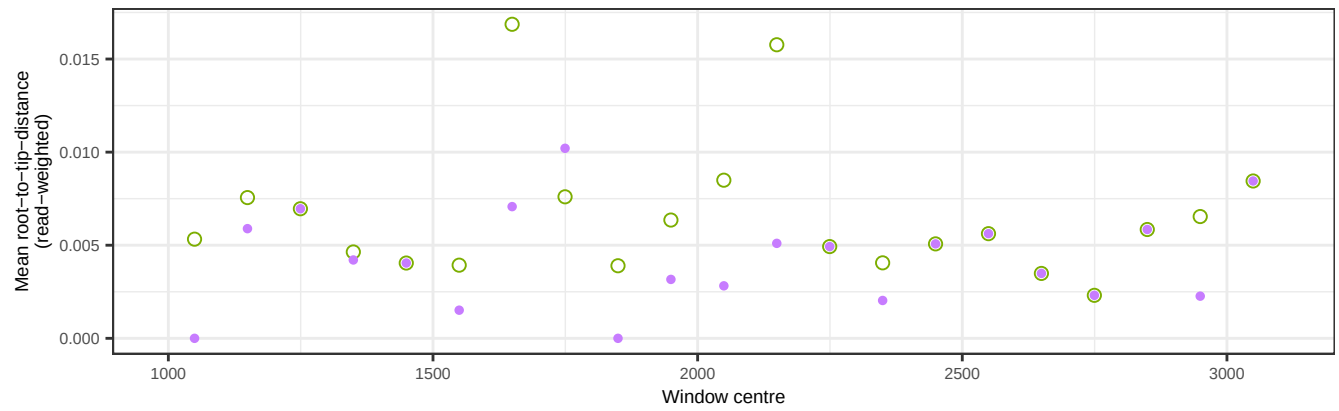

Mean pairwise patristic distance
0.025
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

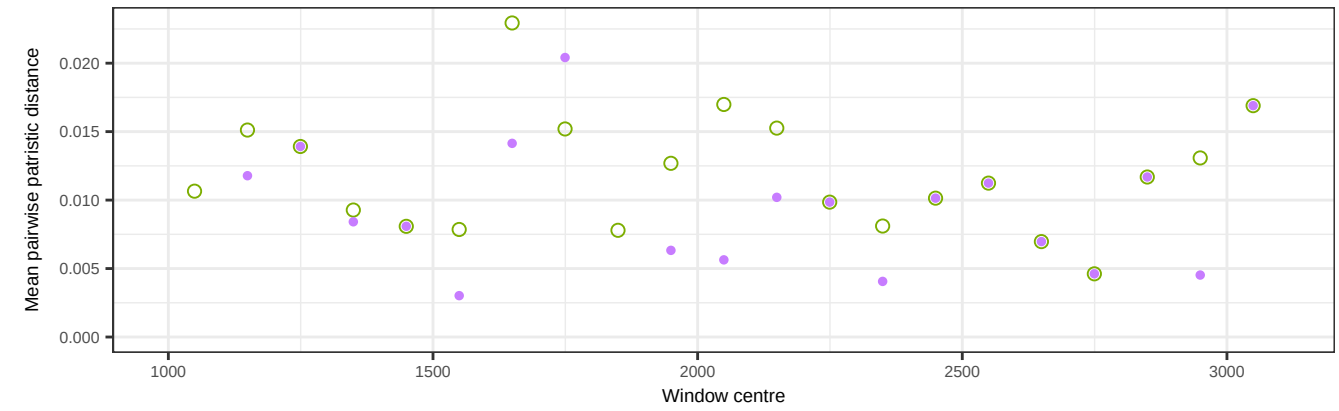

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

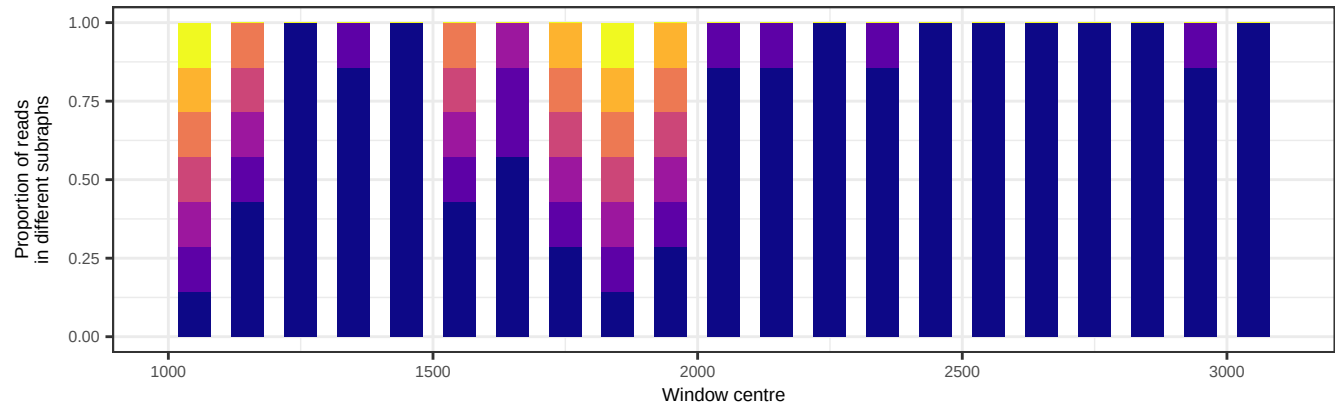
AW9


Tip or read count
7.050
7.025
7.000
6.975
6.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

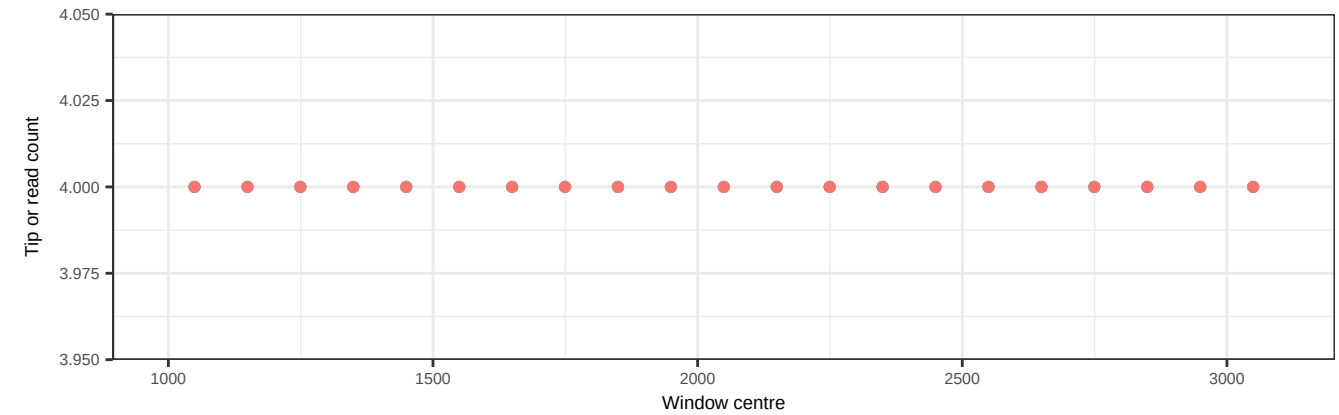

Subgraph or clade count
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

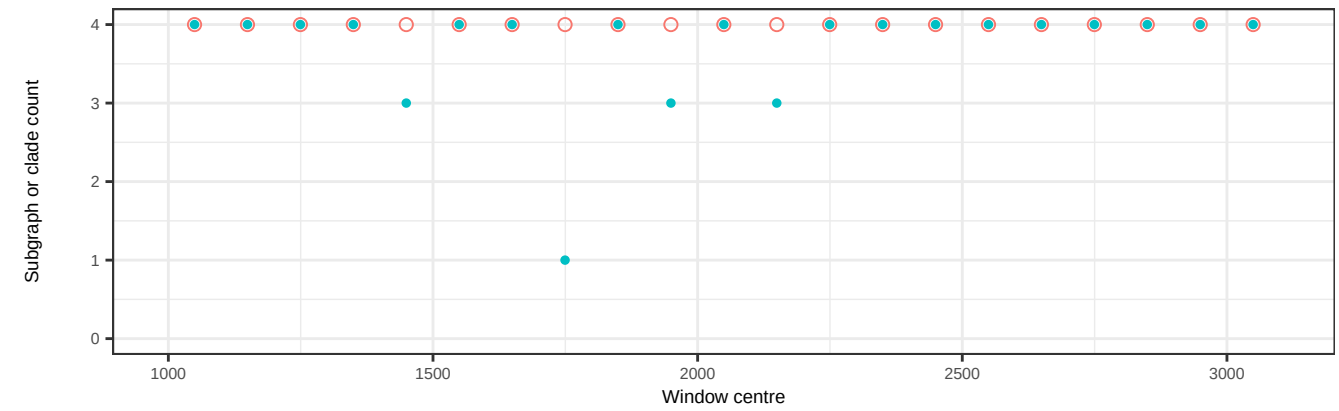

Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

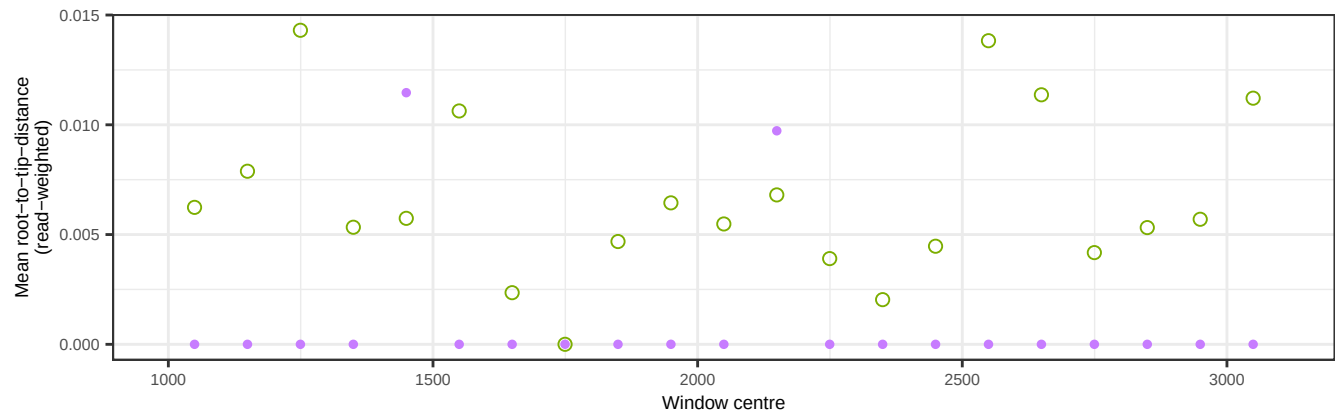

Mean pairwise patristic distance
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

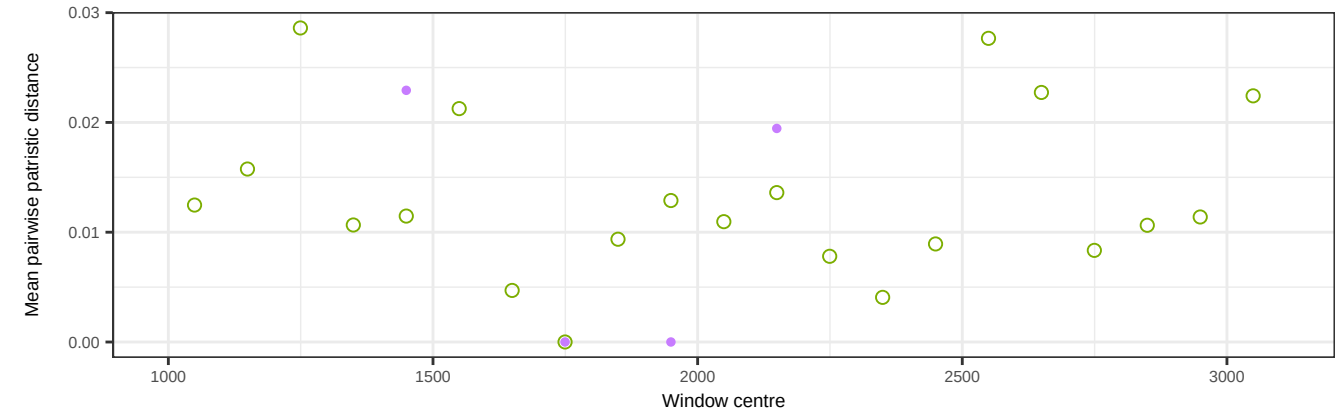

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

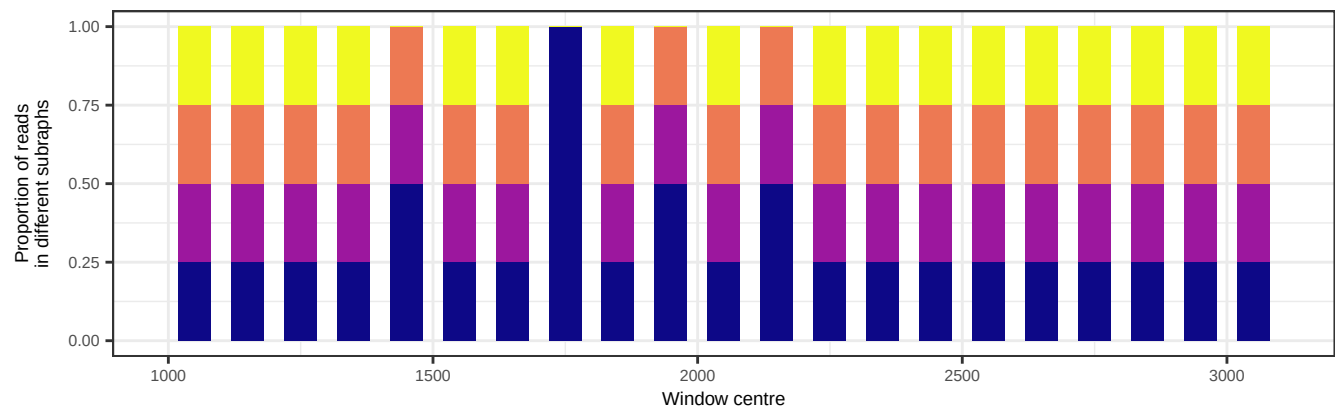
AX14


Tip or read count
4.050
4.025
4.000
3.975
3.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

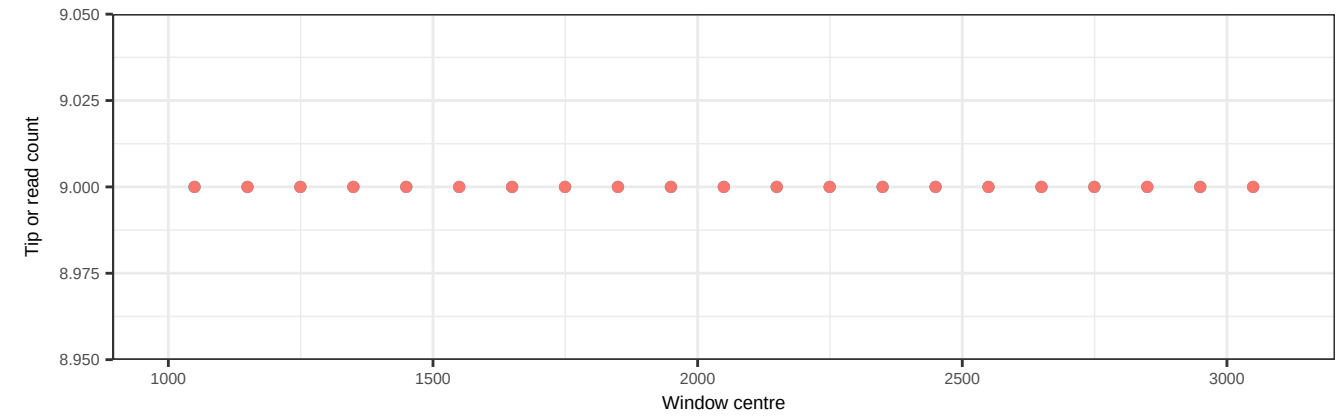

Subgraph or clade count
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

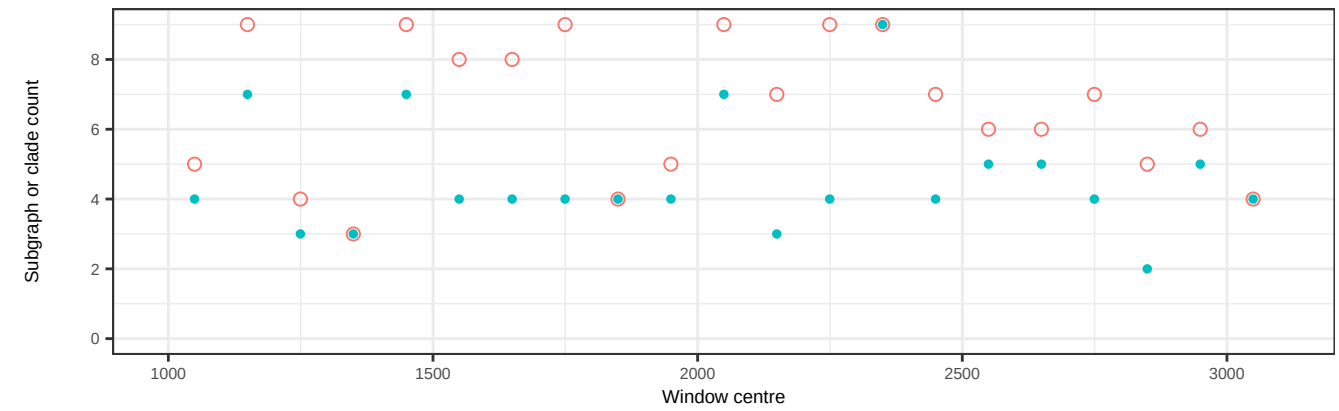

Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

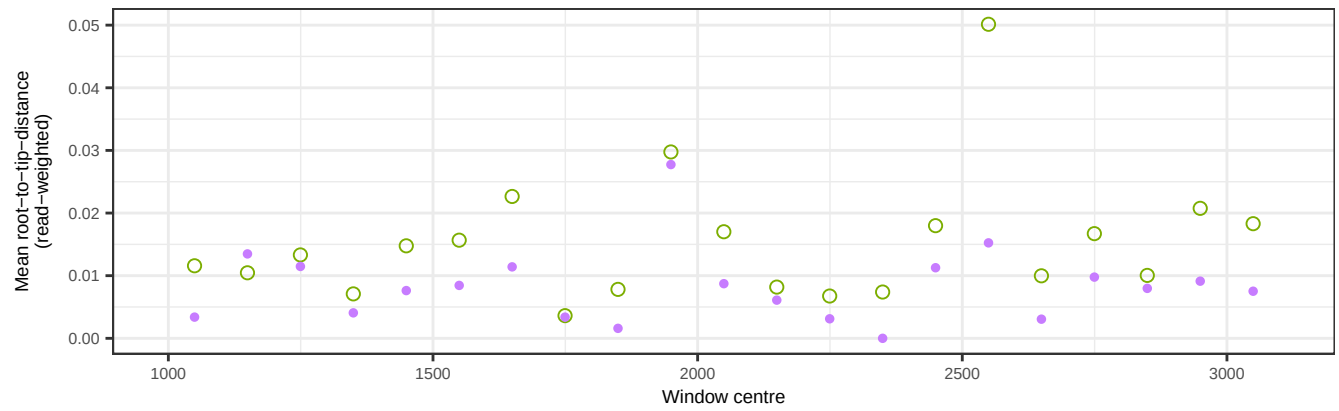

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

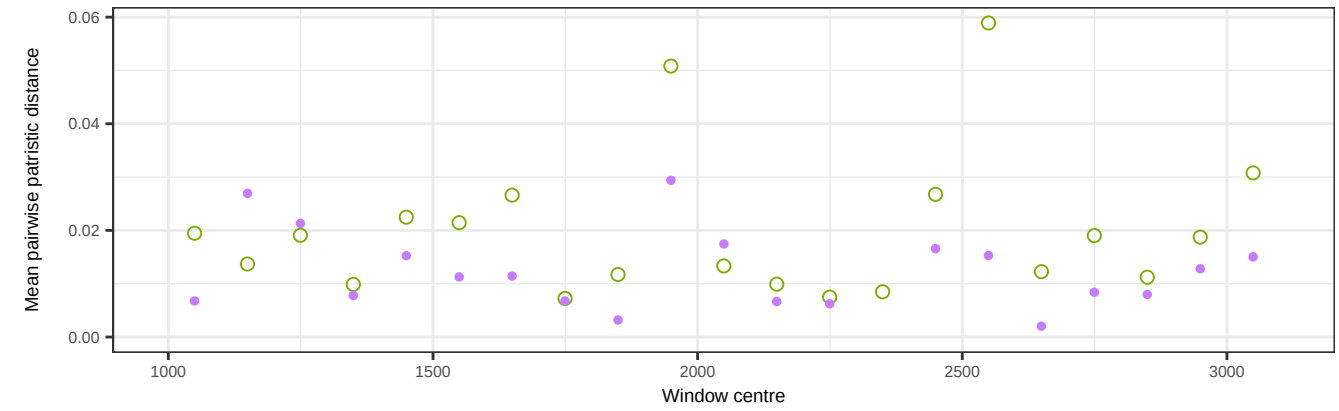

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
4
3
2
1

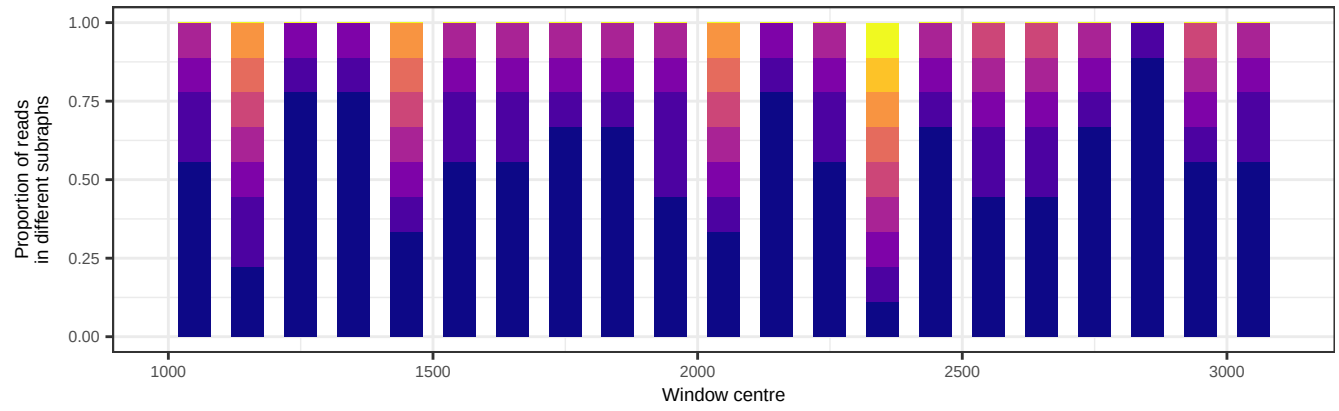
AX3


Tip or read count
9.050
9.025
9.000
8.975
8.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

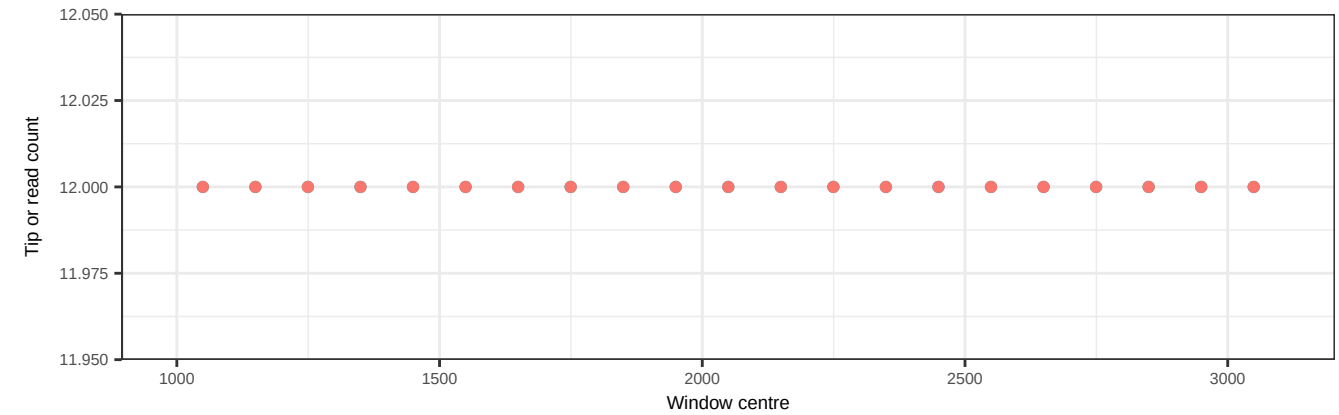

Subgraph or clade count
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

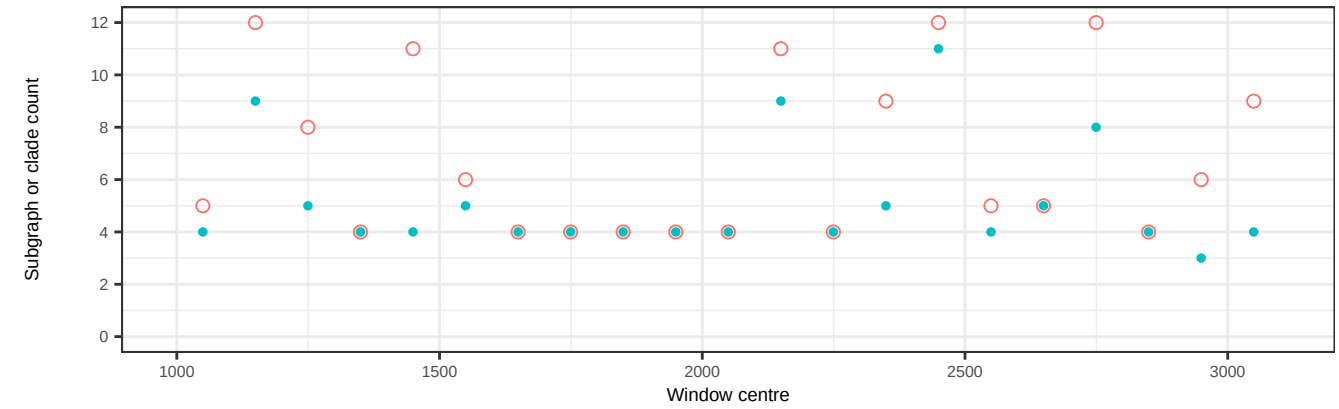

Mean root−to−tip−distance (read−weighted)
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

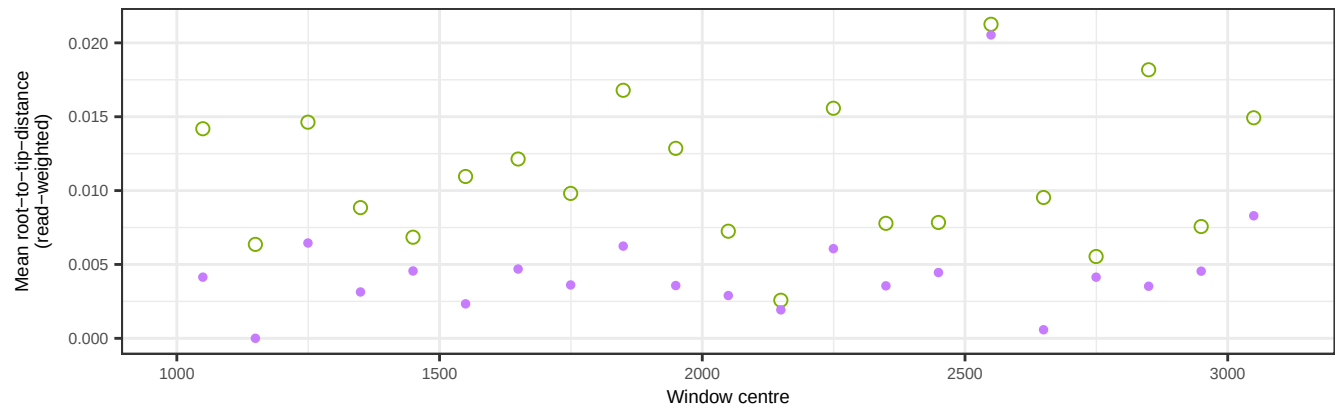

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

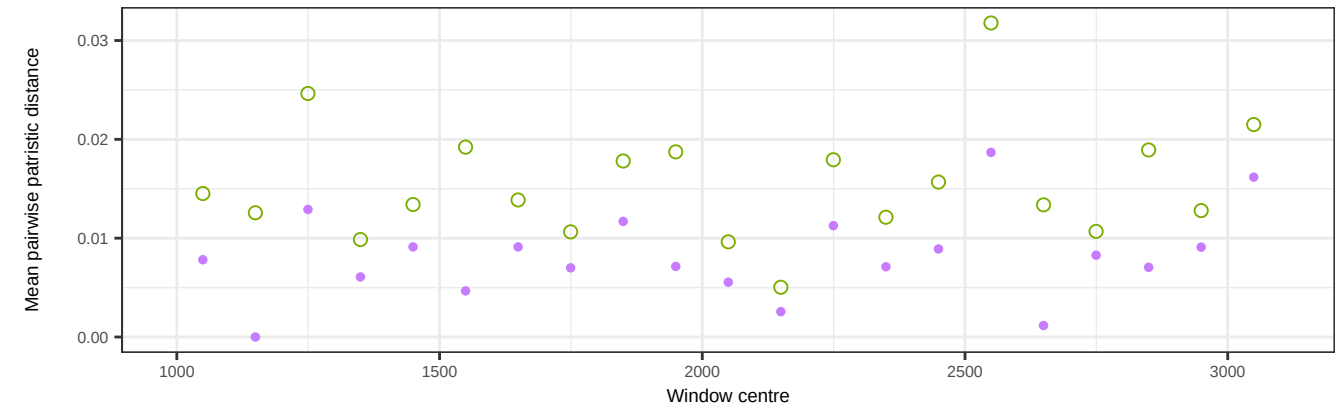

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank (by tip count)
9
8
7
6
5
4
3
2
1

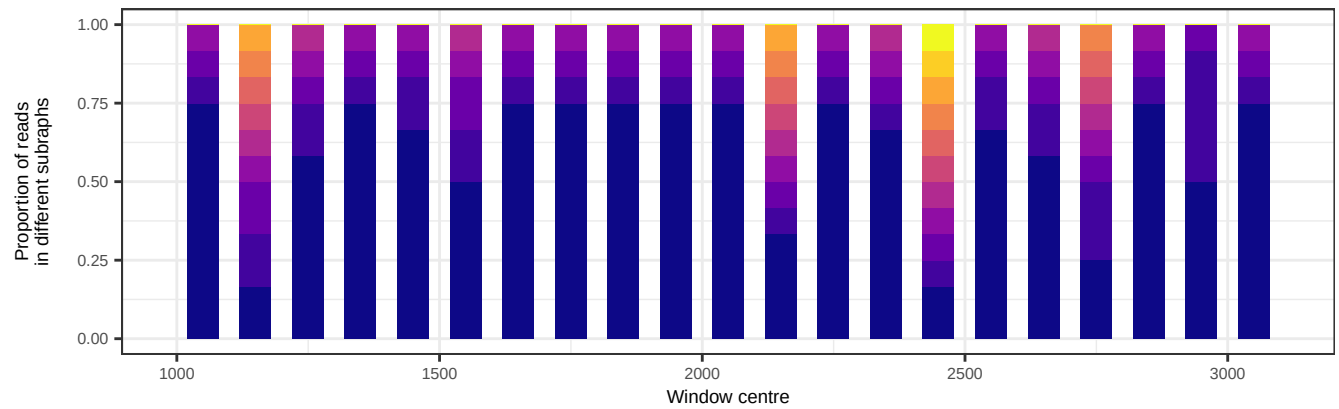
AX39


Tip or read count
12.050
12.025
12.000
11.975
11.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

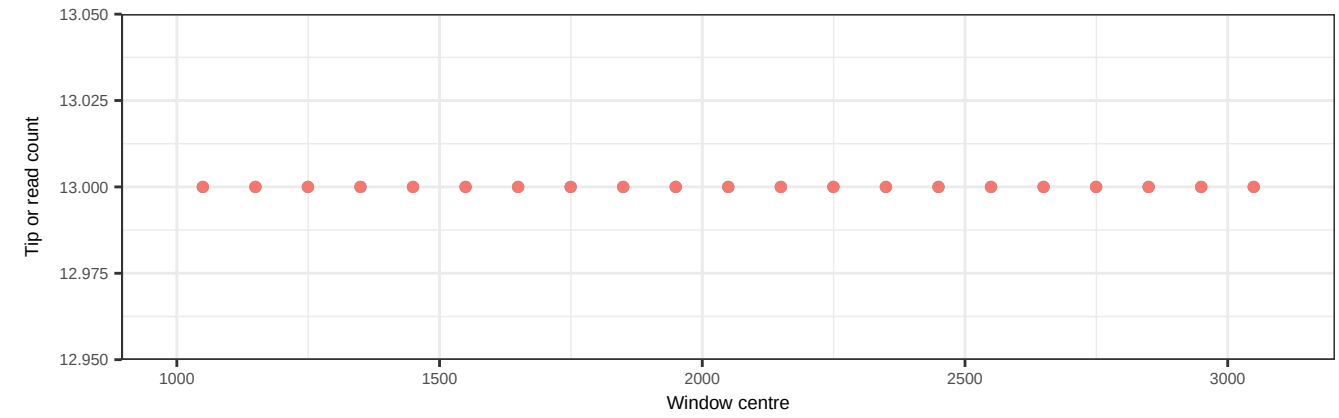

Subgraph or clade count
12
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

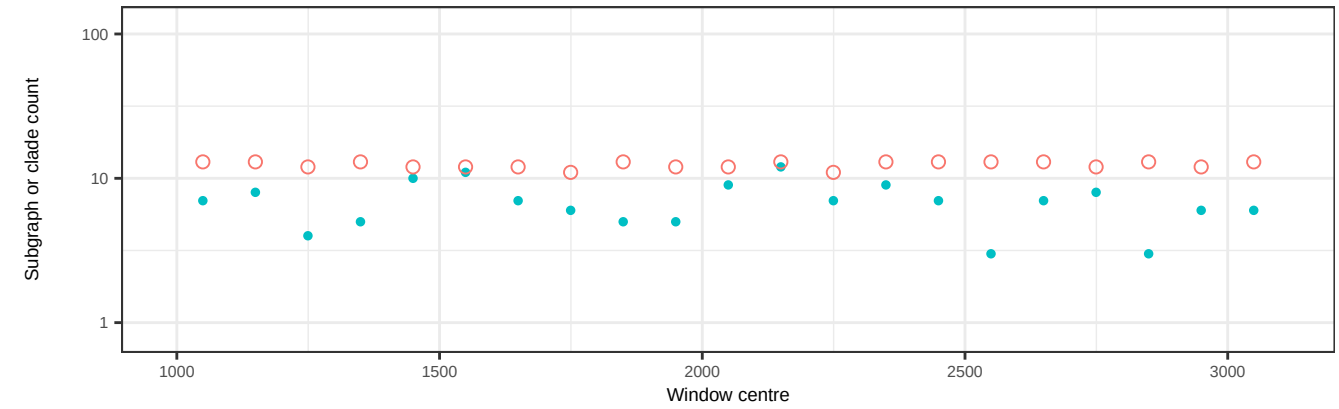

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

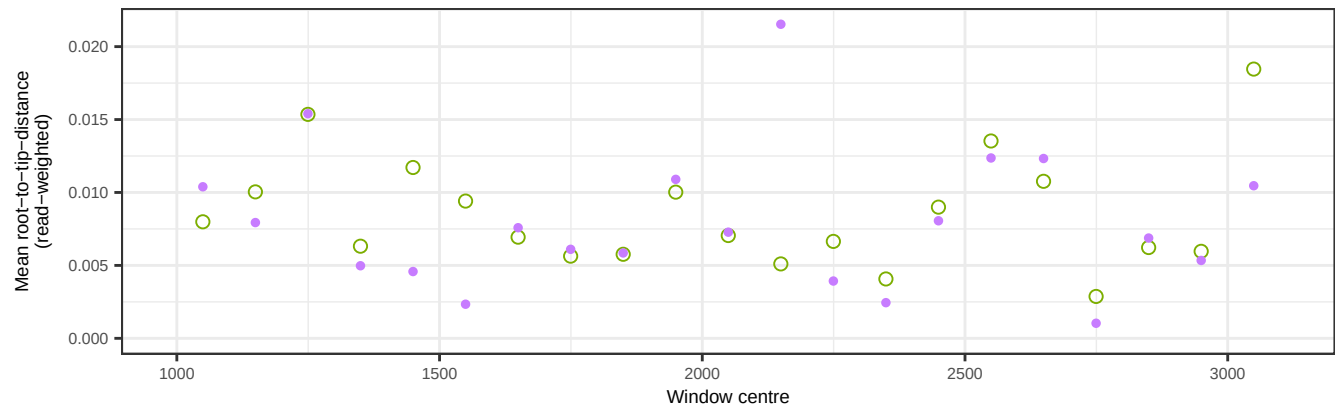

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

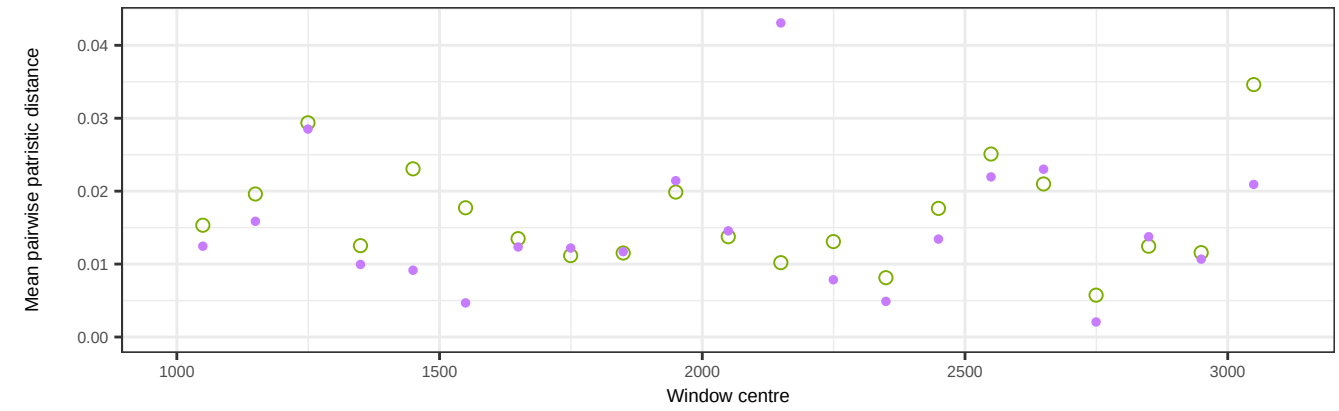

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
11
10
9
8
7
6
5
4
3
2
1

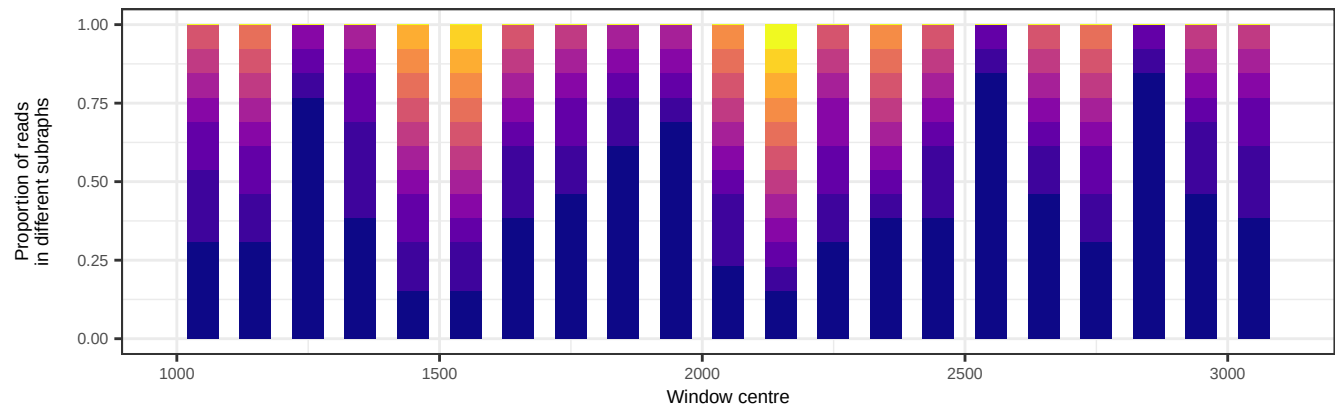
AX4


Tip or read count
13.050
13.025
13.000
12.975
12.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

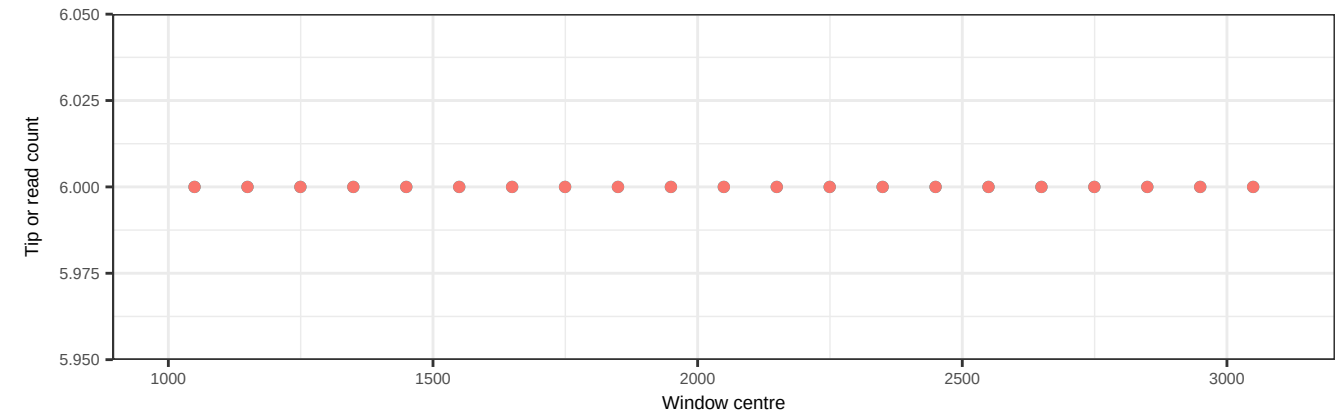

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

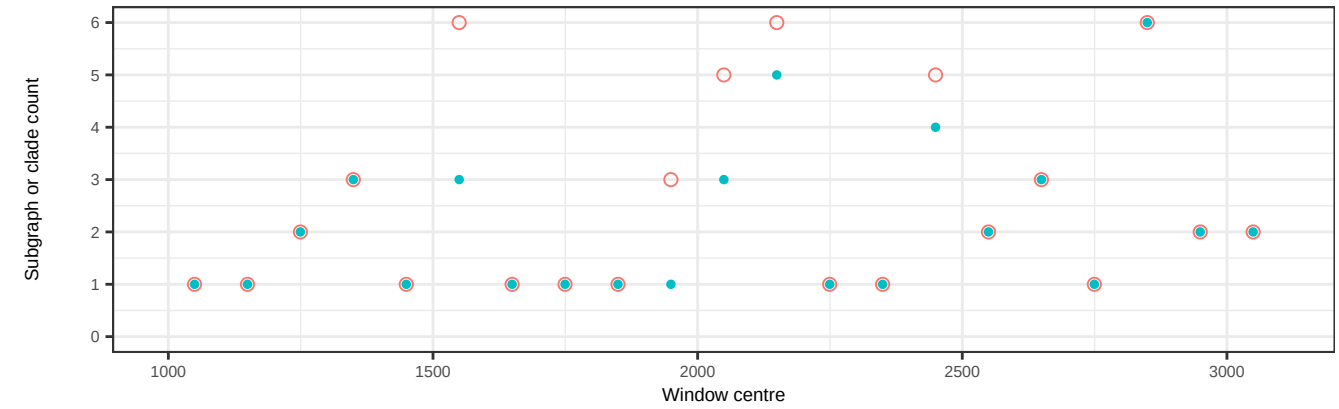

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

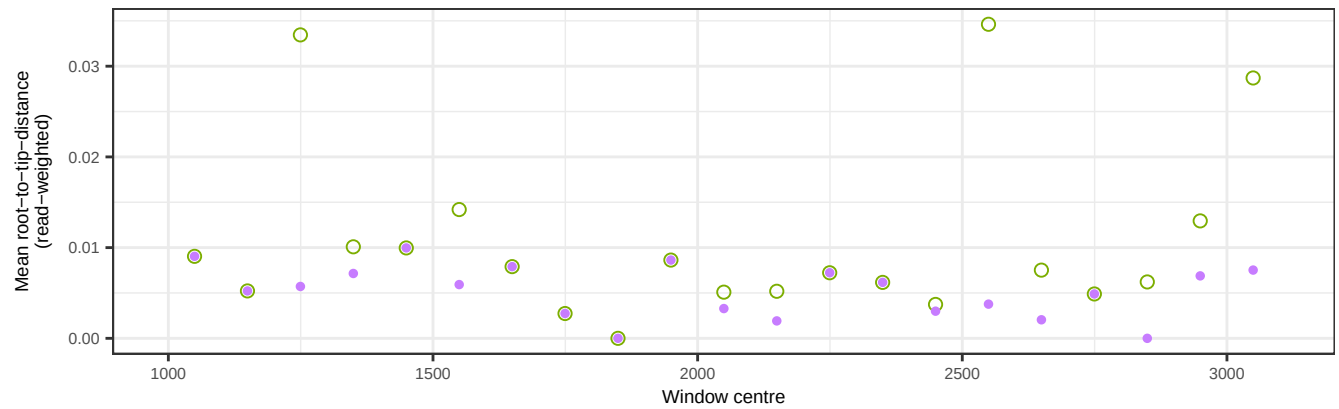

Mean pairwise patristic distance
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

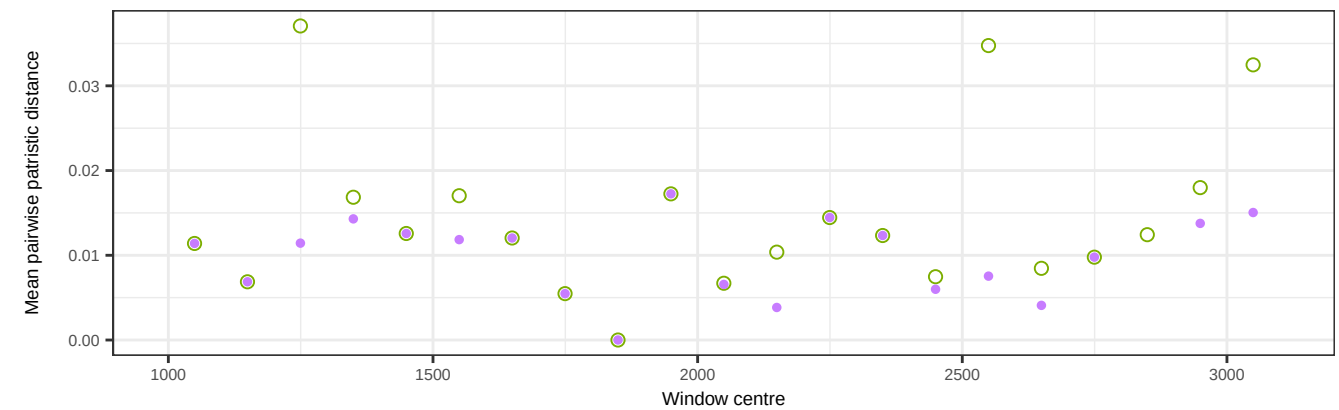

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
12
11
10
9
8
7
6
5
4
3
2
1

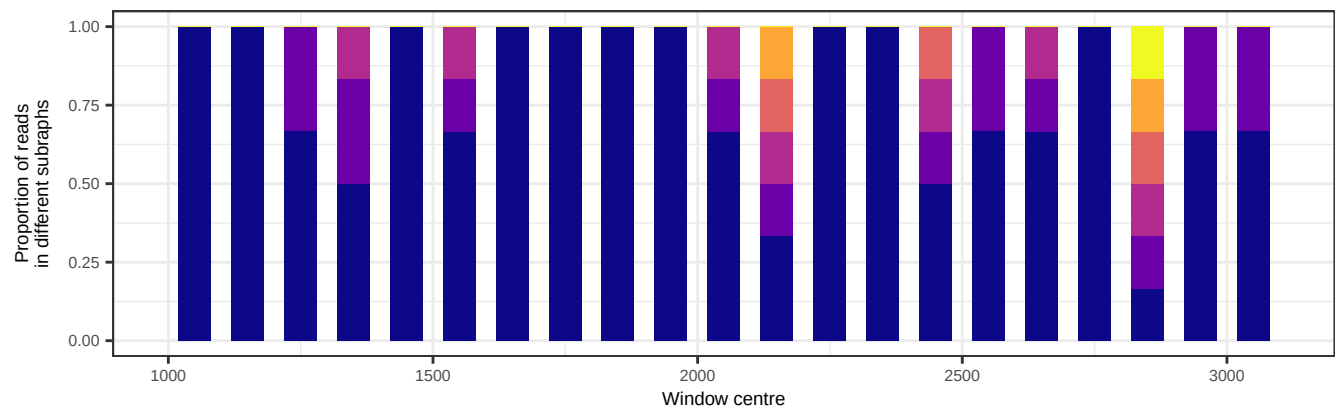
AX41


Tip or read count
6.050
6.025
6.000
5.975
5.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

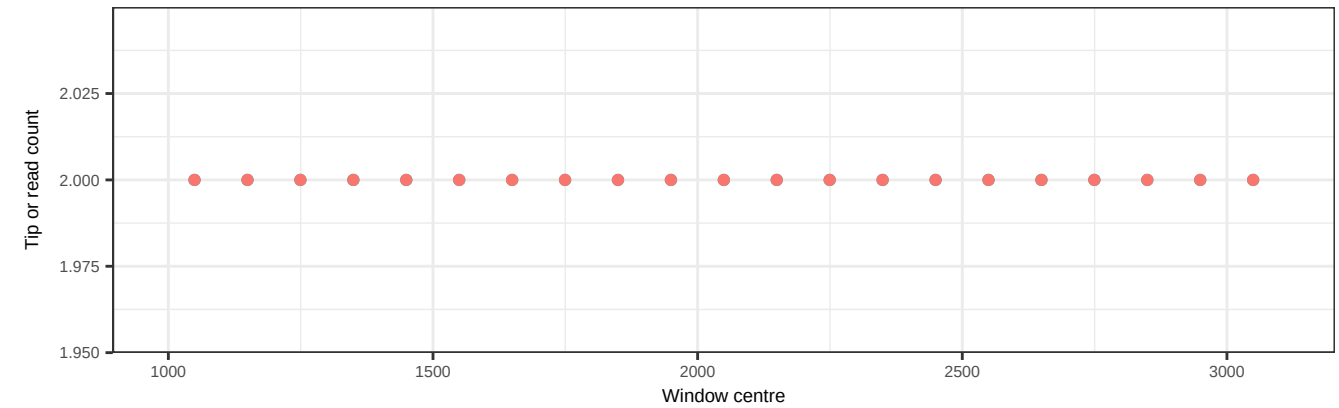

Subgraph or clade count
6
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

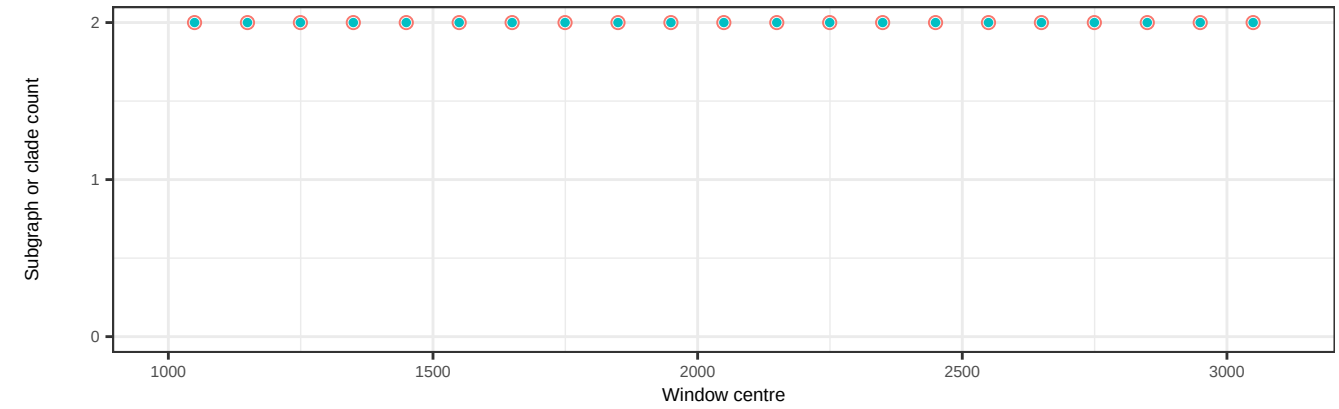

Mean root−to−tip−distance
(read−weighted)
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

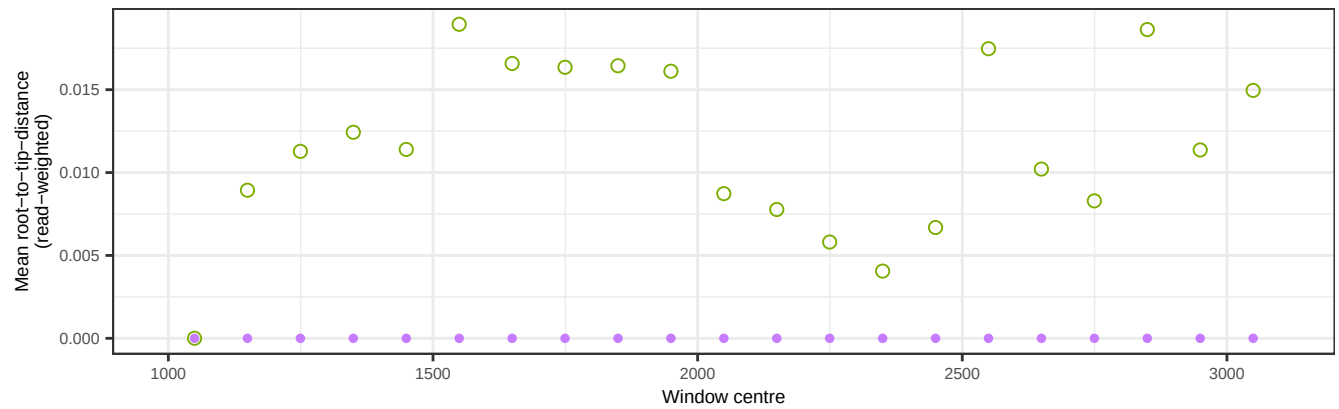

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

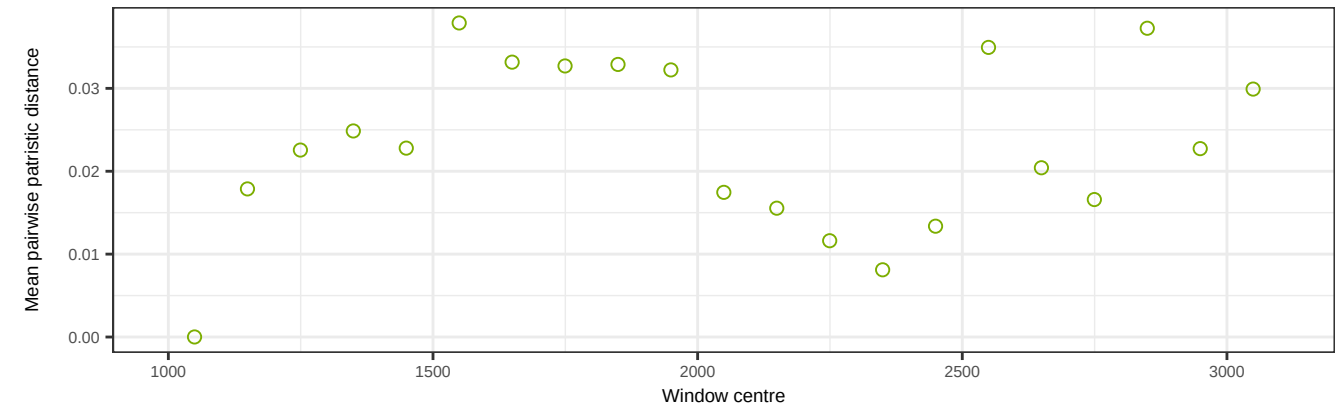

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

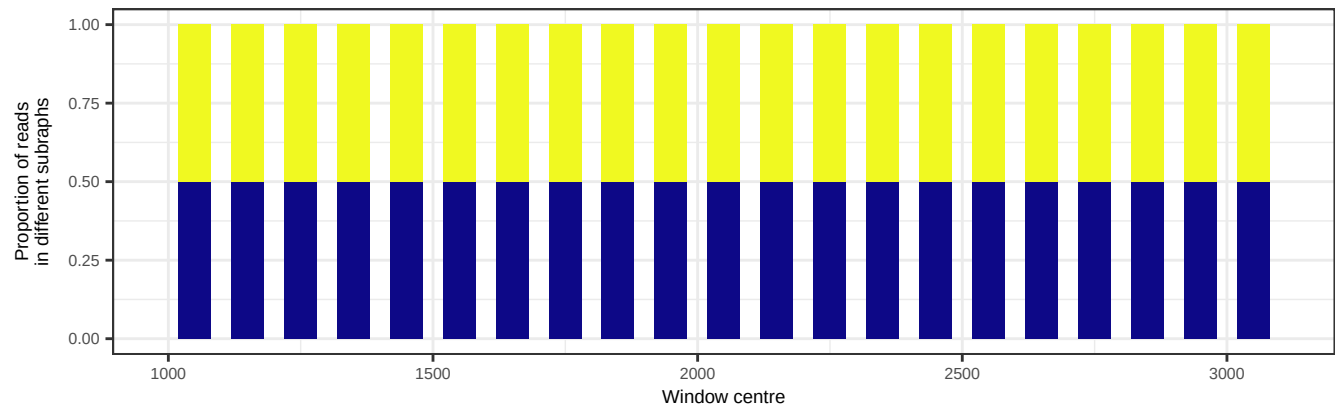
AX42


Tip or read count
2.025
2.000
1.975
1.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

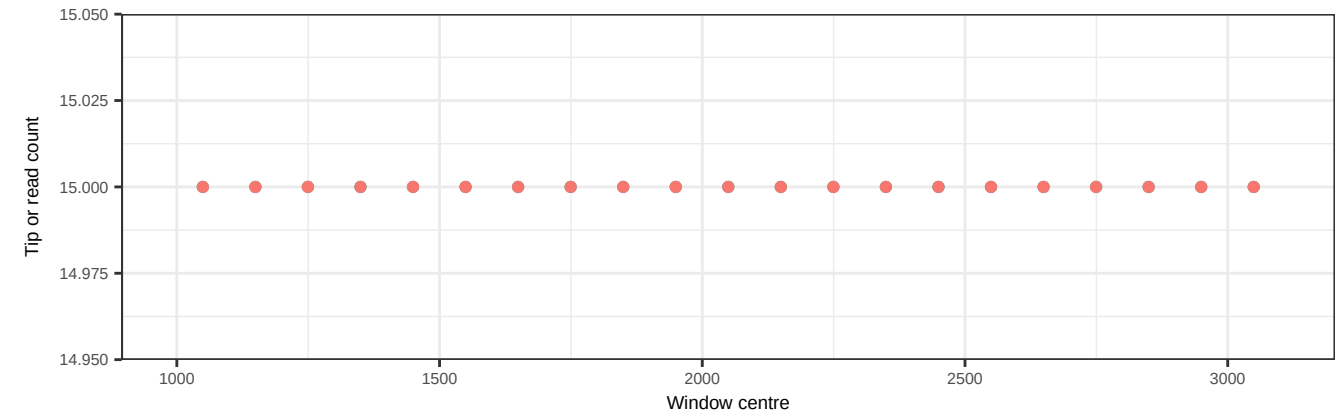

Subgraph or clade count
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

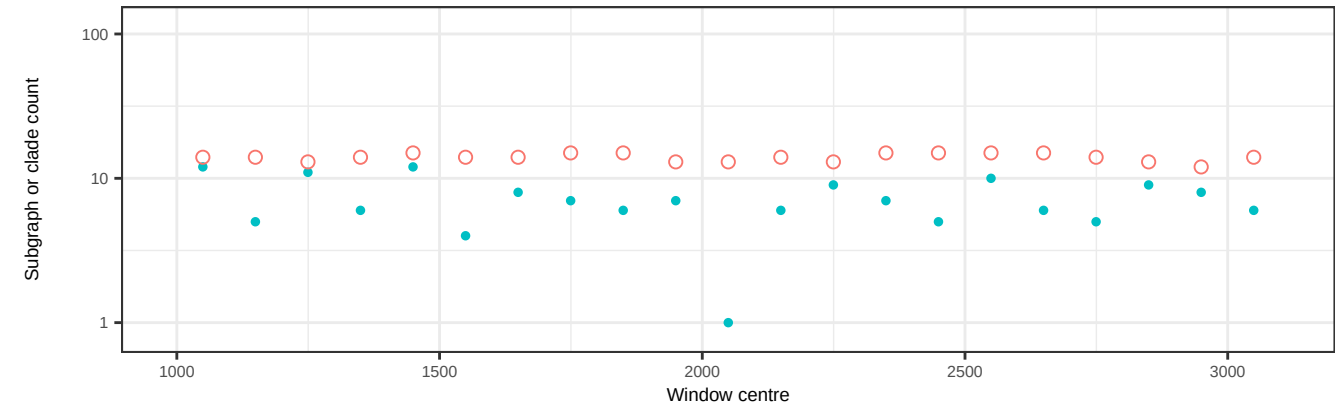

Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

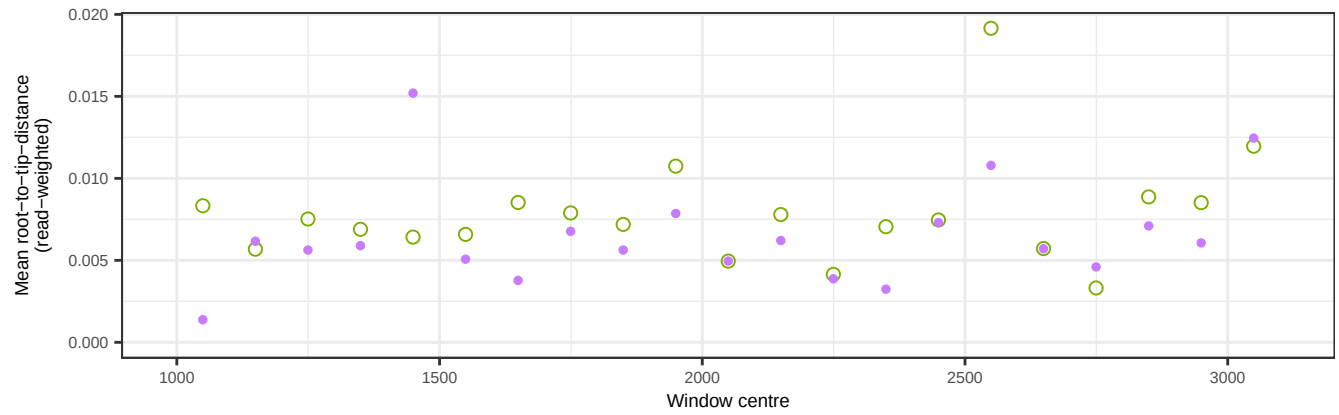

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

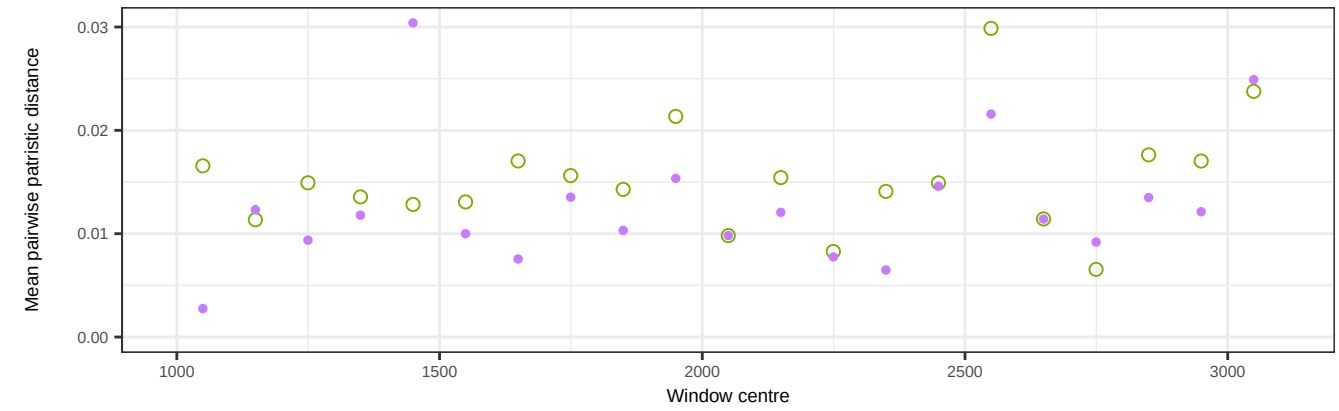

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
2
1

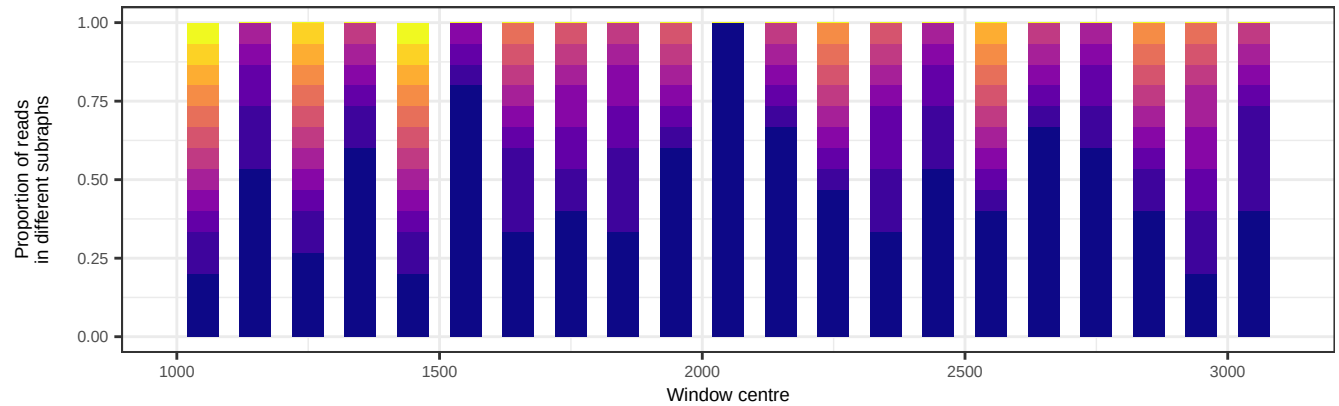
AX43


Tip or read count
15.050
15.025
15.000
14.975
14.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

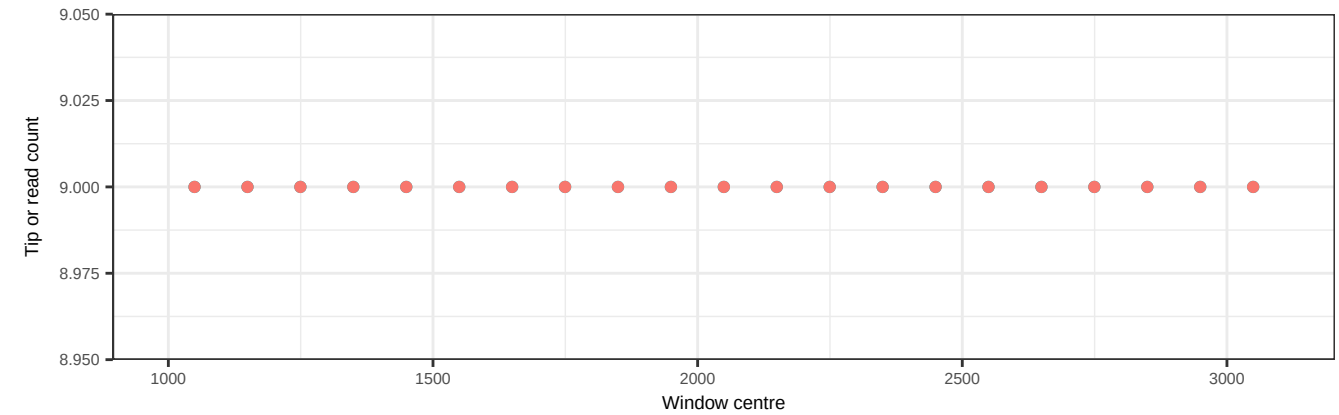

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

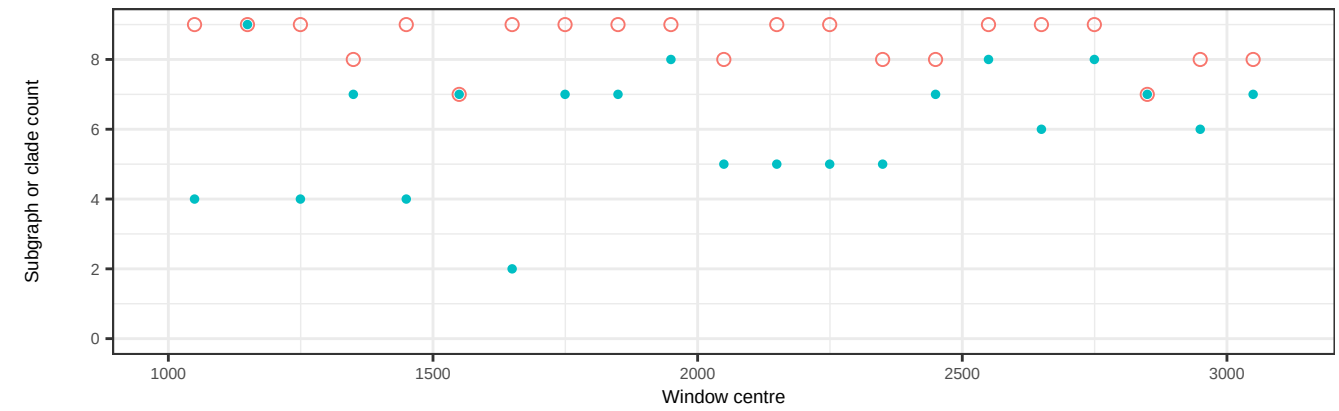

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

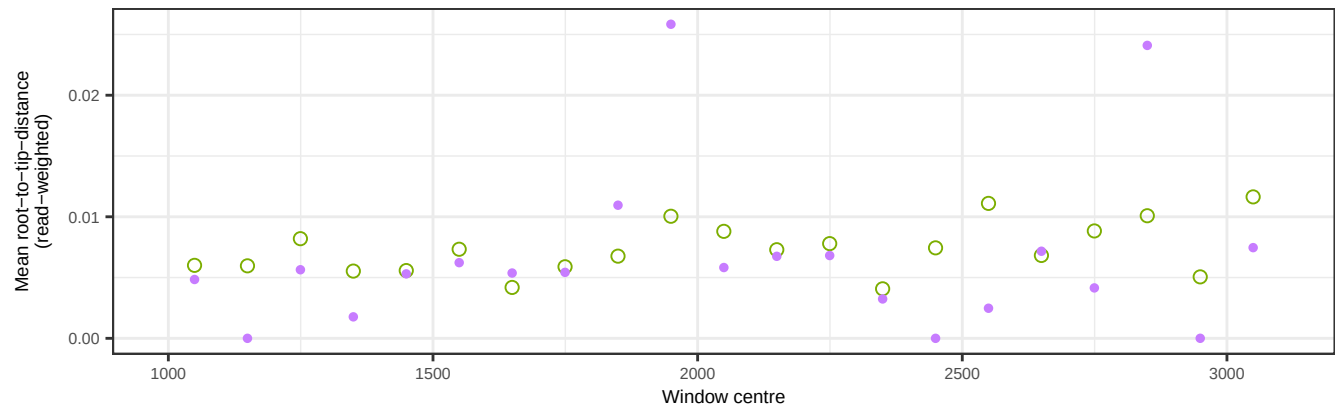

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

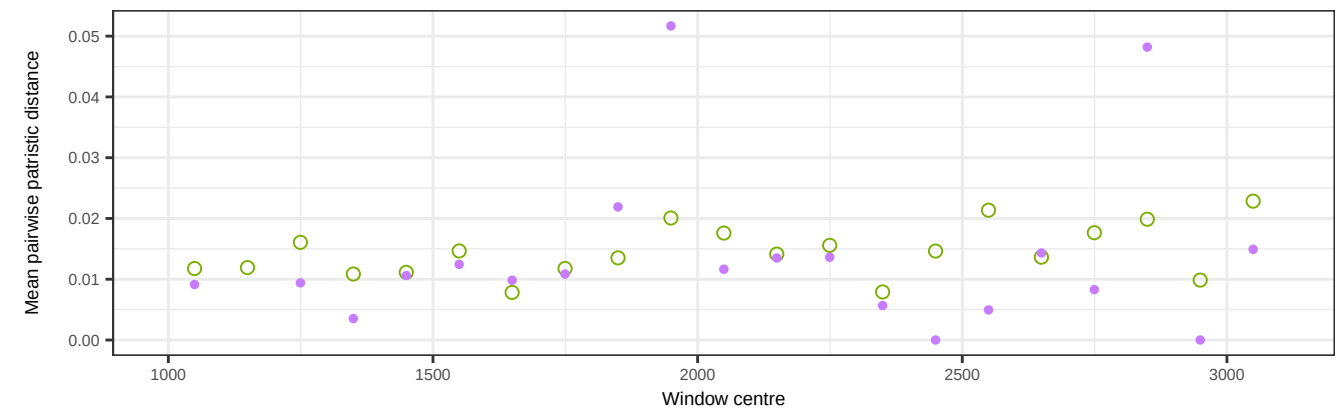

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
12
11
10
9
8
7
6
5
4
3
2
1

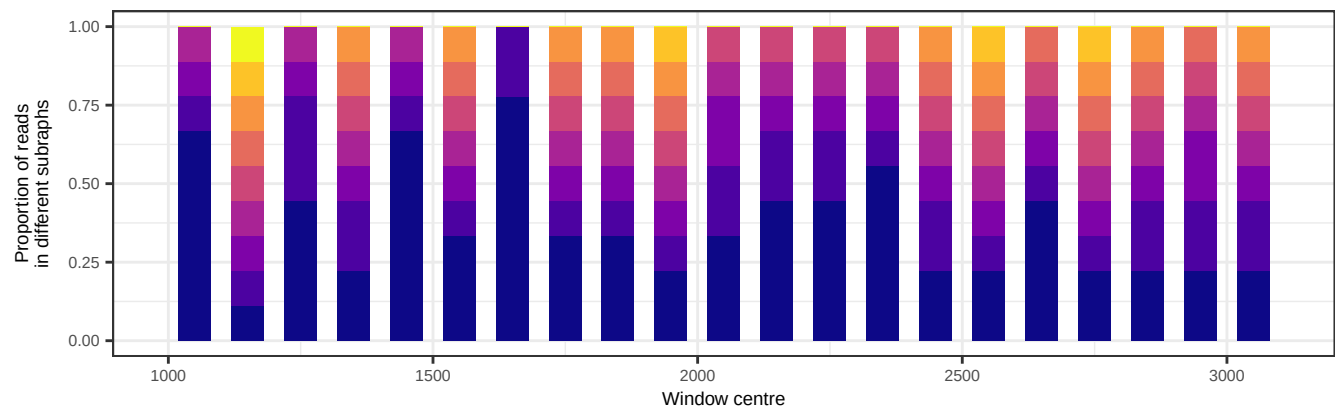
AX82


Tip or read count
9.050
9.025
9.000
8.975
8.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

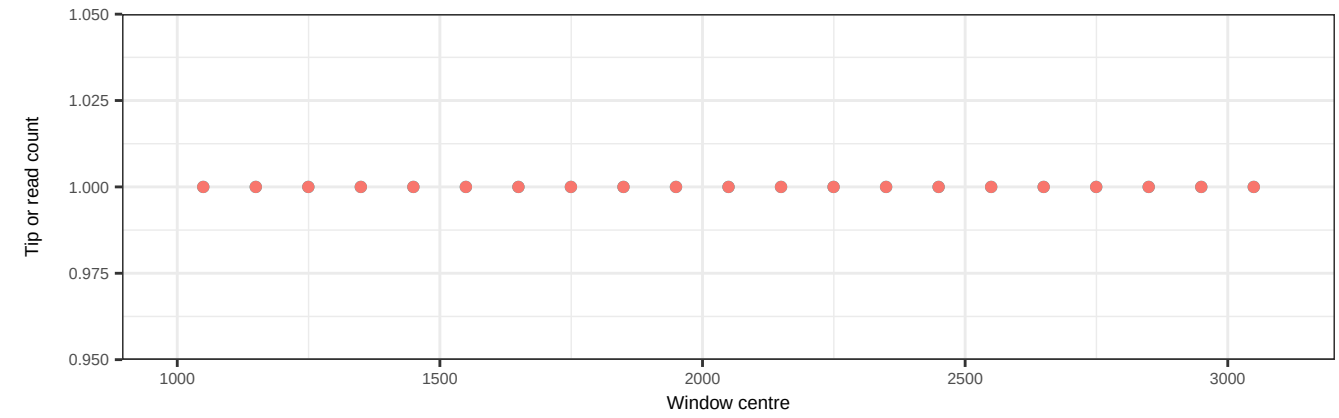

Subgraph or clade count
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

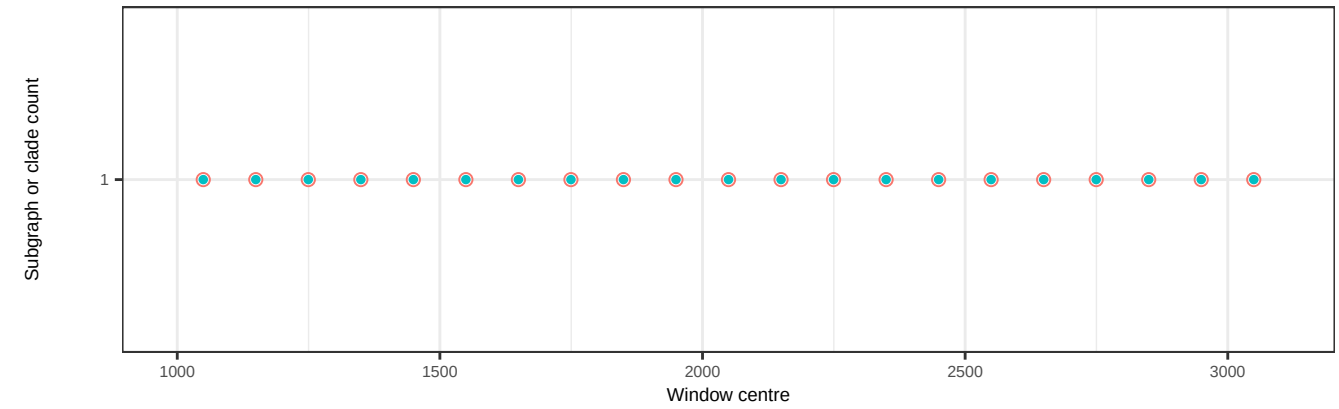

Mean root−to−tip−distance
(read−weighted)
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

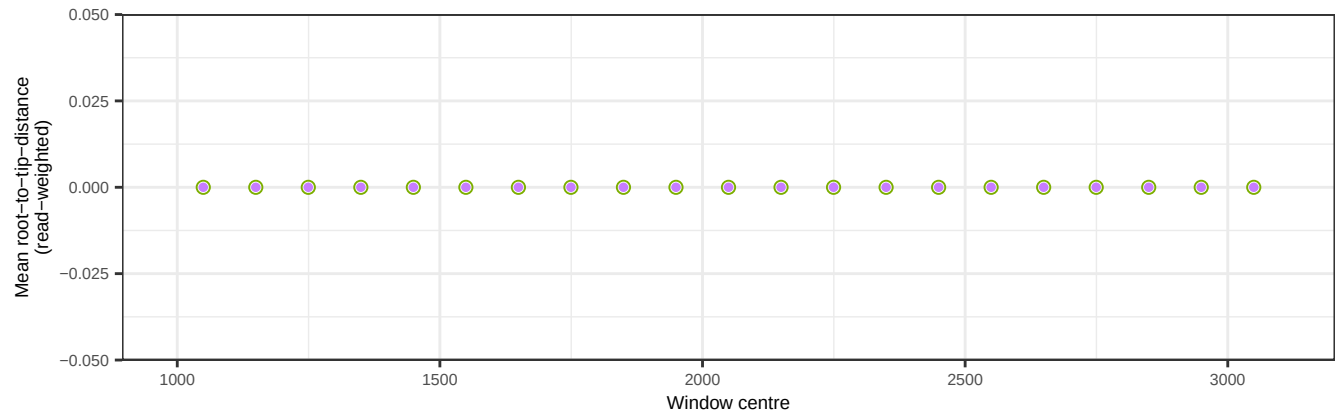

Mean pairwise patristic distance
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

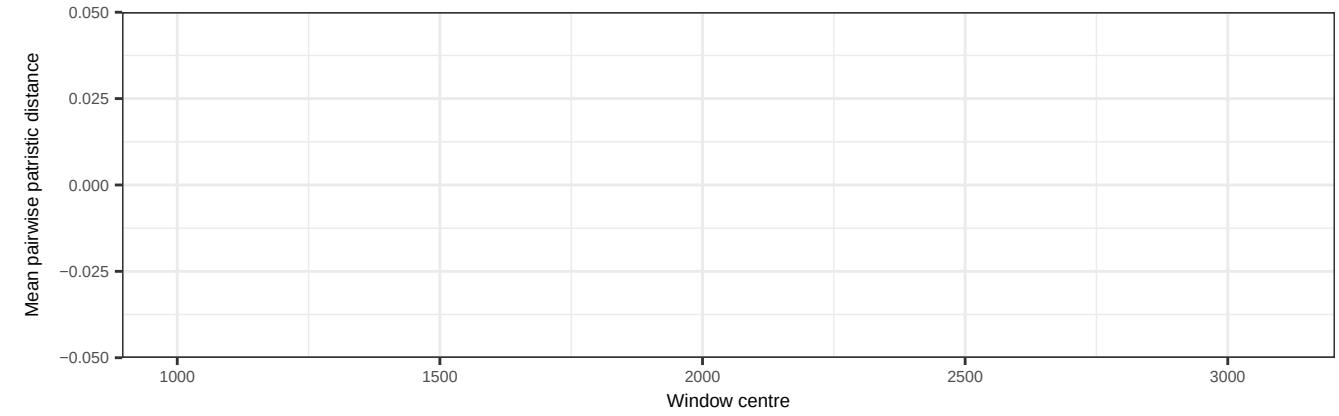

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
9
8
7
6
5
4
3
2
1

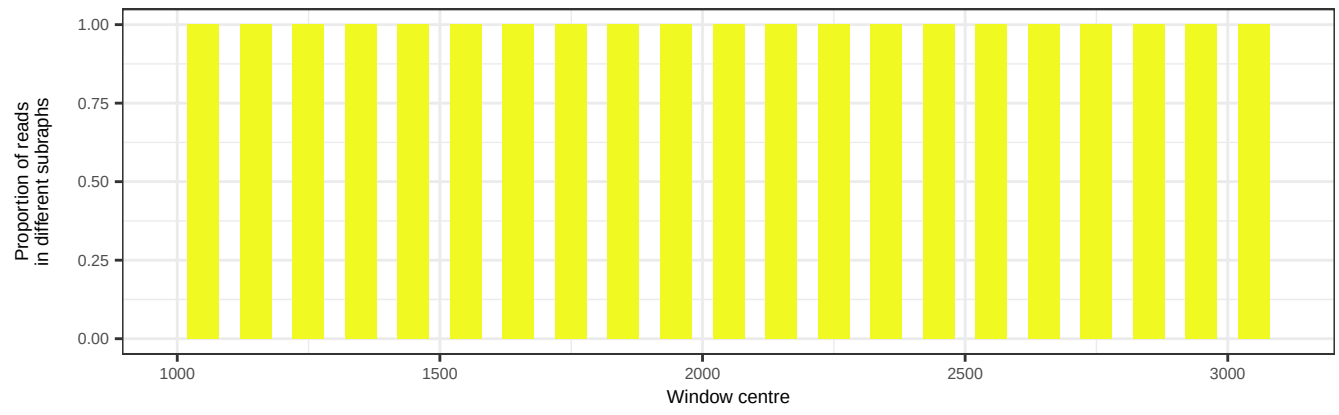
AX84


Tip or read count
1.050
1.025
1.000
0.975
0.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

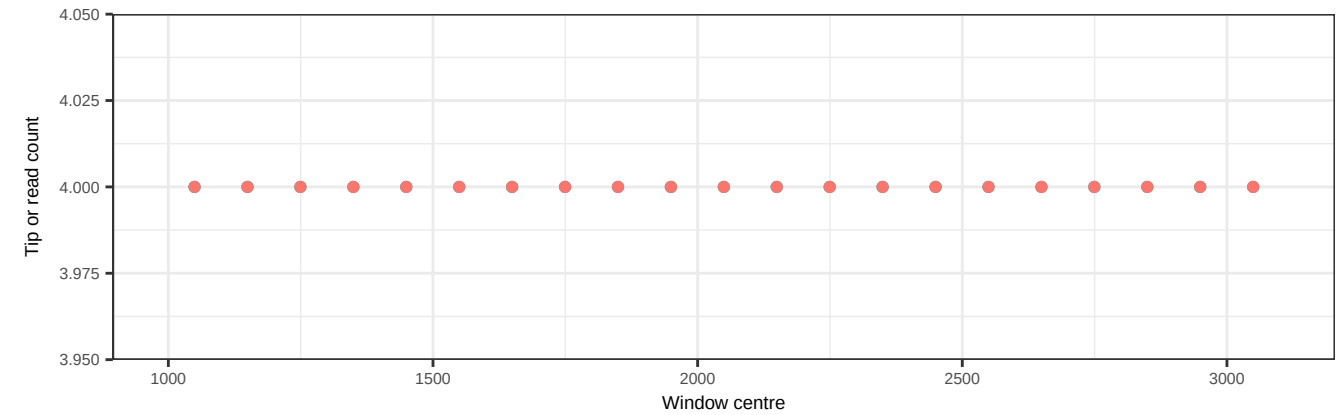

Subgraph or clade count
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

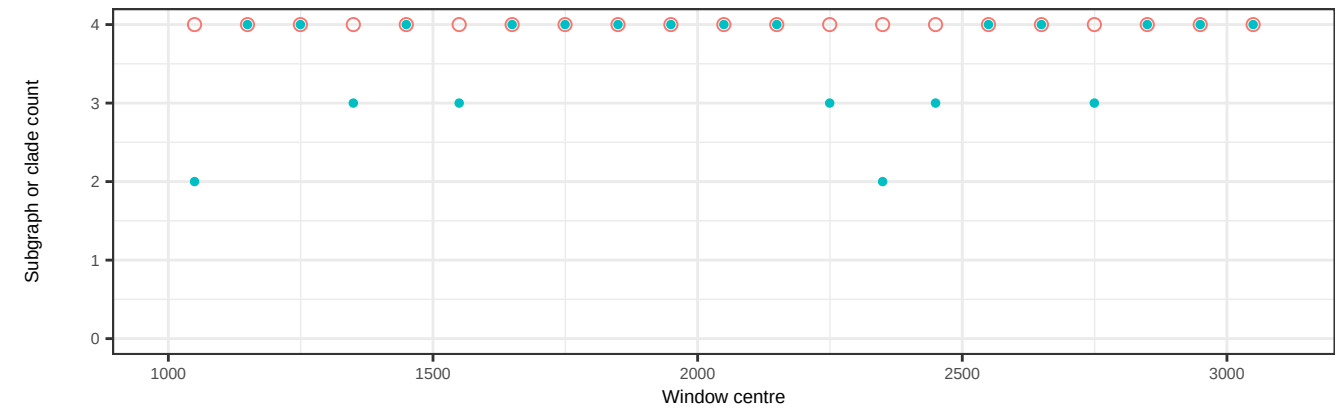

Mean root−to−tip−distance
(read−weighted)
0.050
0.025
0.000
−0.025
−0.050
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

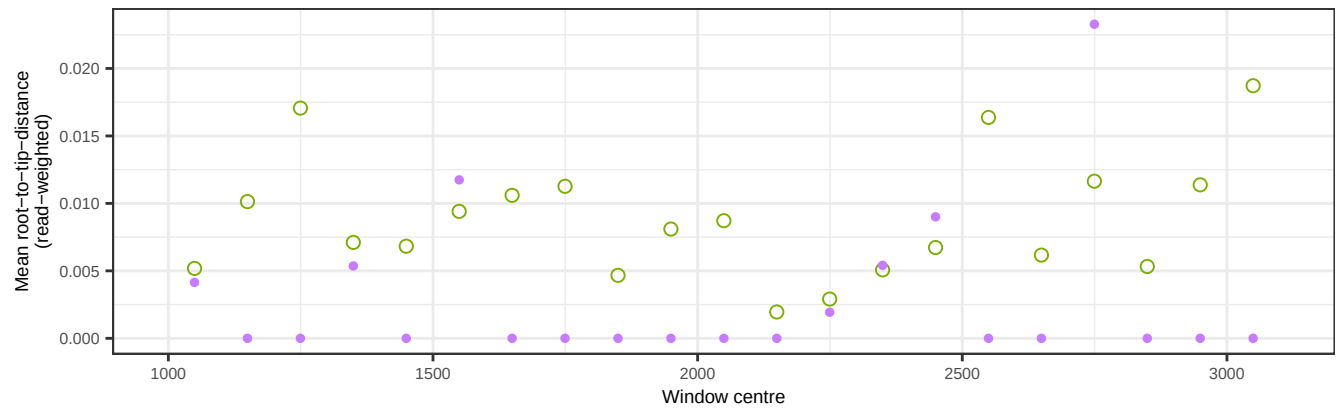

Mean pairwise patristic distance
0.050
0.025
0.000
−0.025
−0.050
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

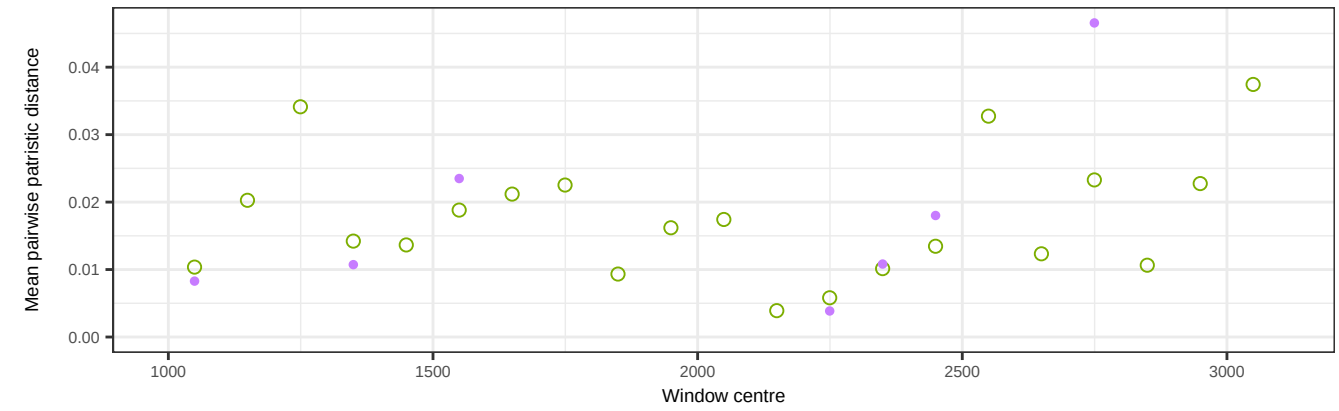

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
1

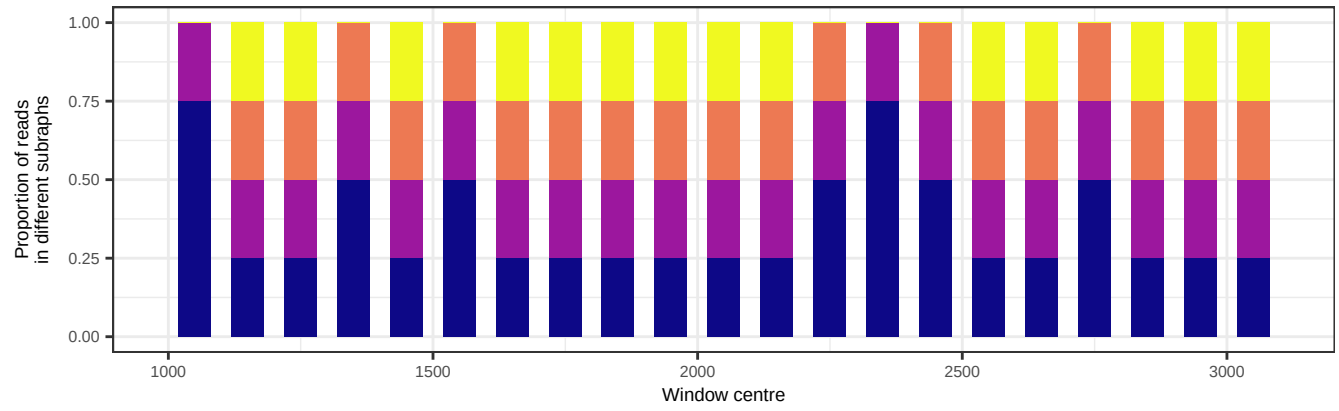
AX85


Tip or read count
4.050
4.025
4.000
3.975
3.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

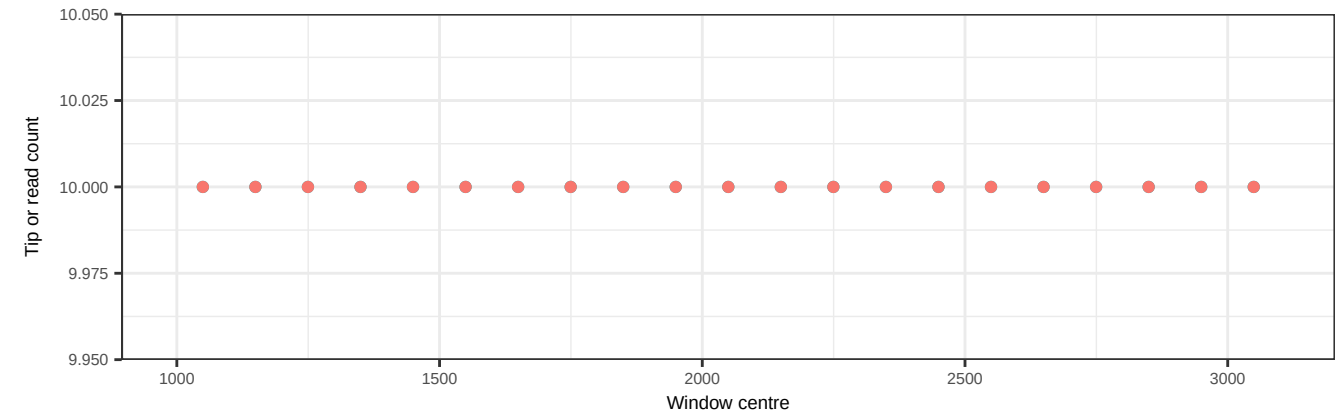

Subgraph or clade count
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

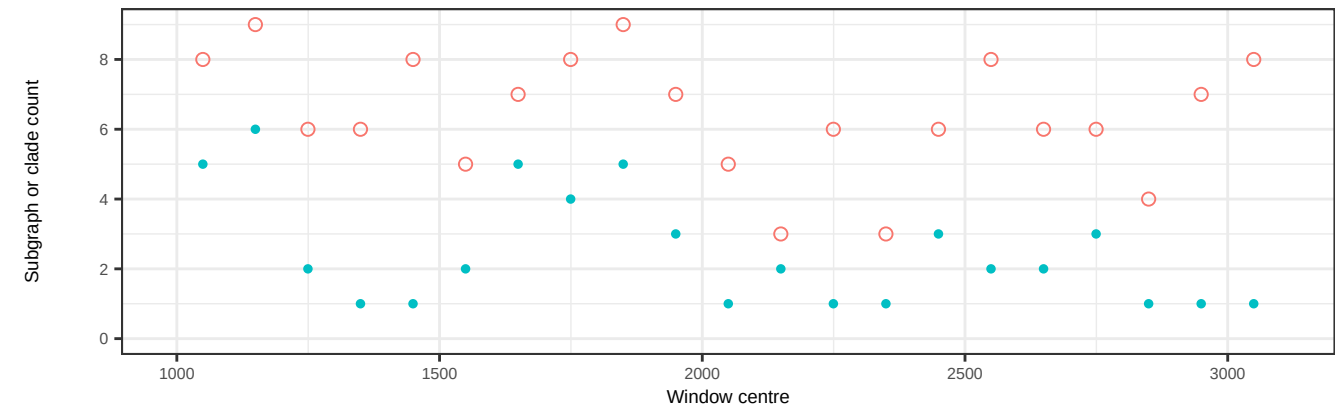

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

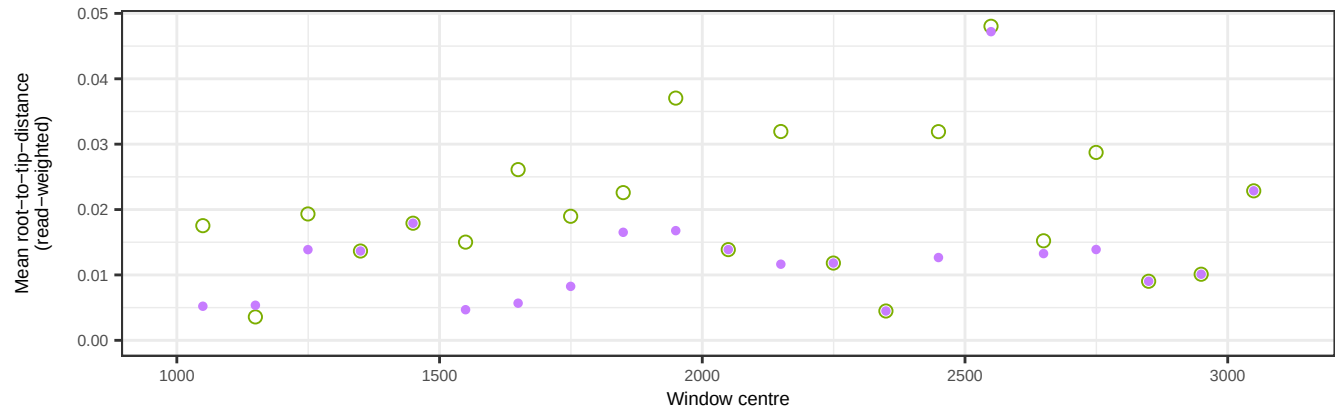

Mean pairwise patristic distance
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

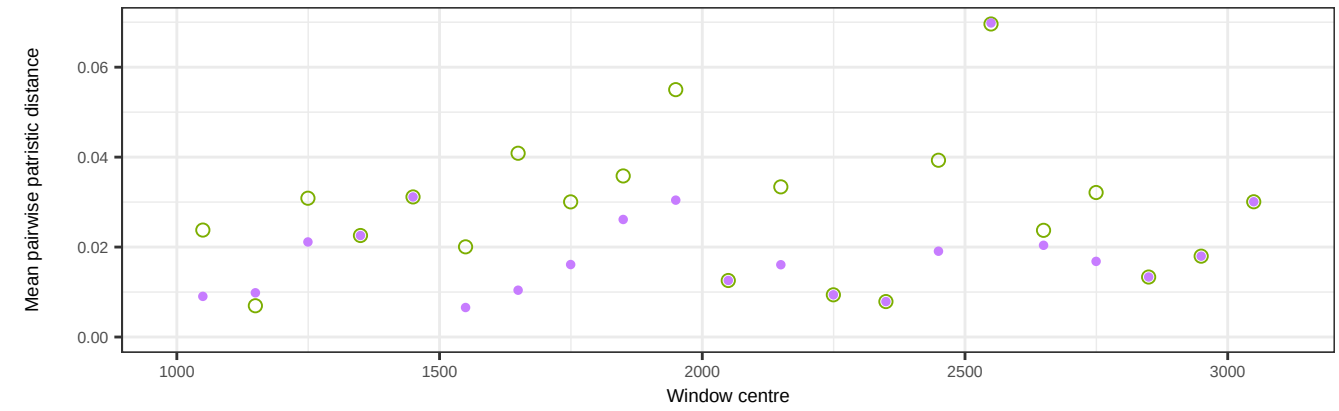

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
4
3
2
1

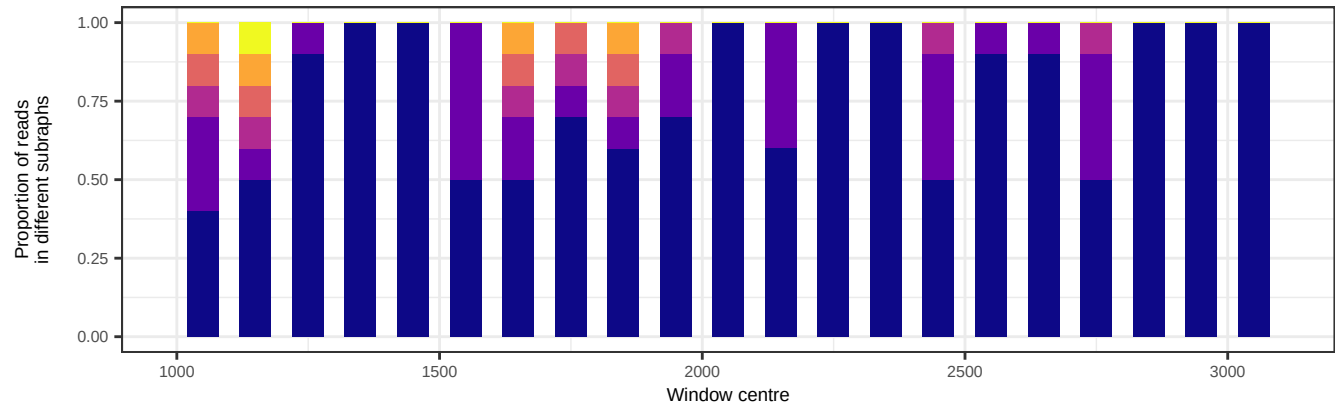
AX89


Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

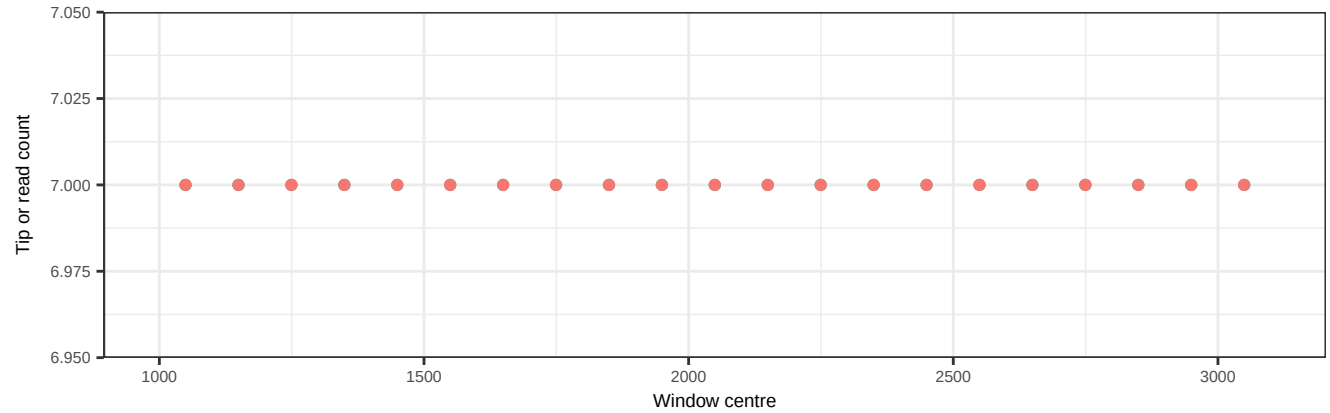

Subgraph or clade count
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

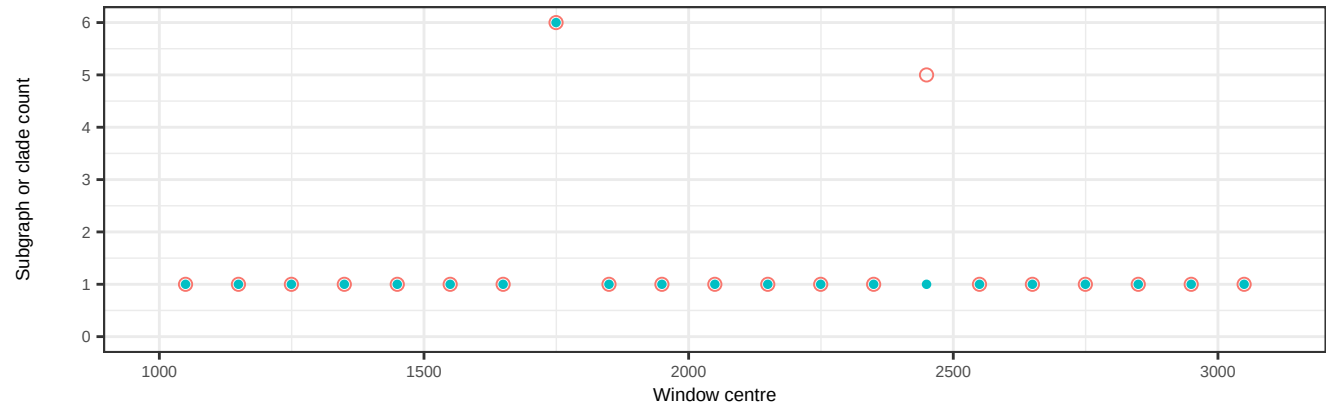

Mean root−to−tip−distance
(read−weighted)
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

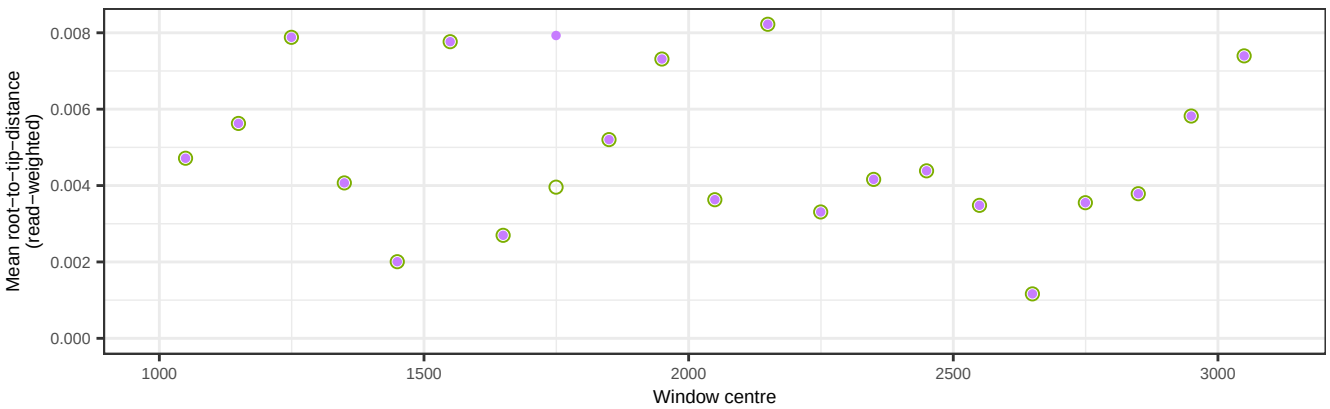

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

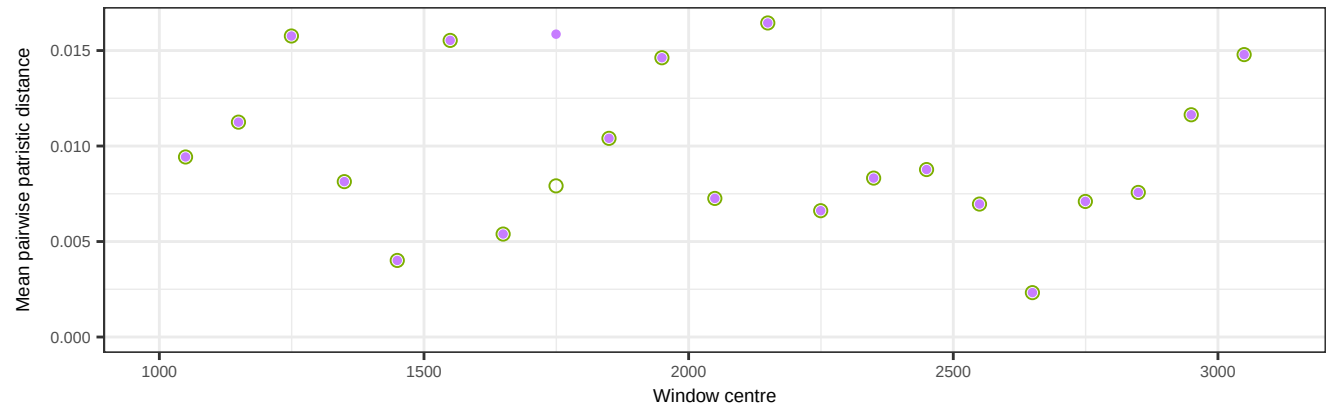

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

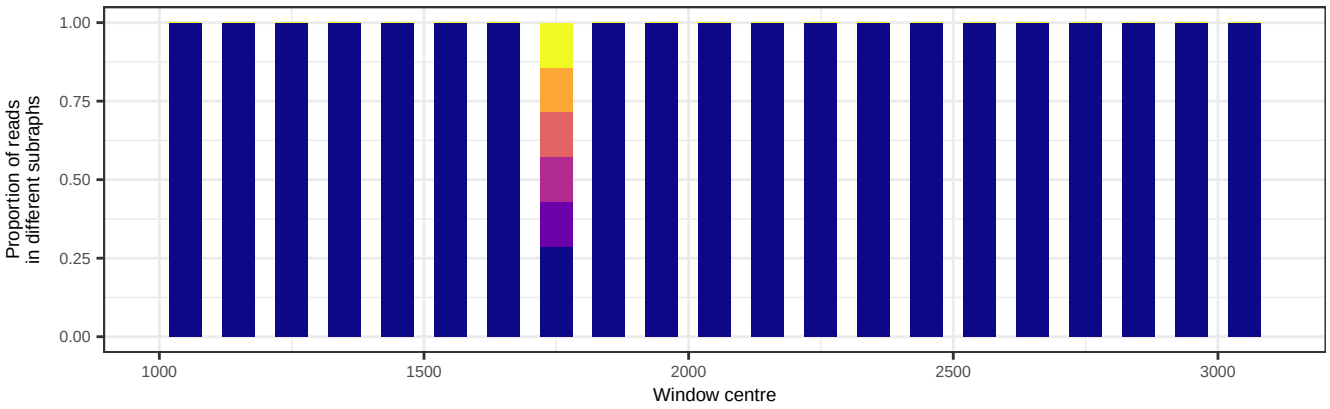
AY43


Tip or read count
7.050
7.025
7.000
6.975
6.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

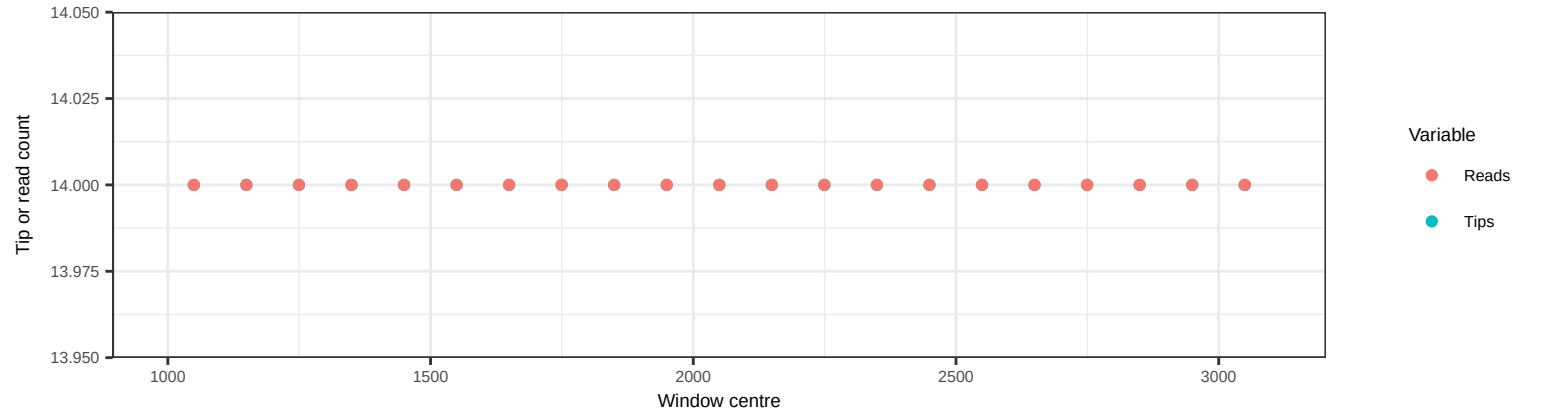

Subgraph or clade count
6
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

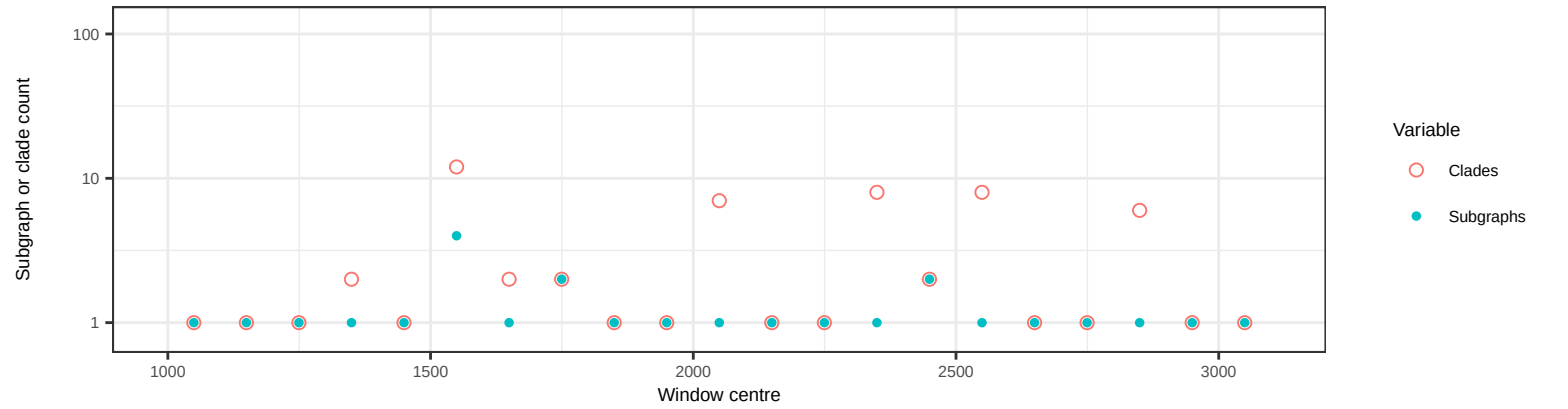

Mean root−to−tip−distance
(read−weighted)
0.008
0.006
0.004
0.002
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

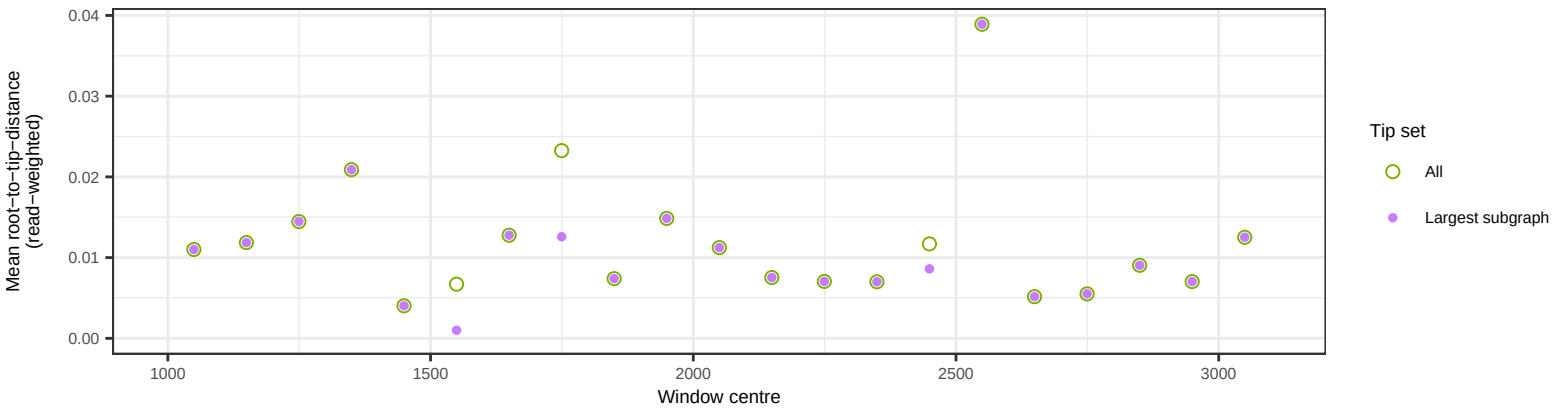

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

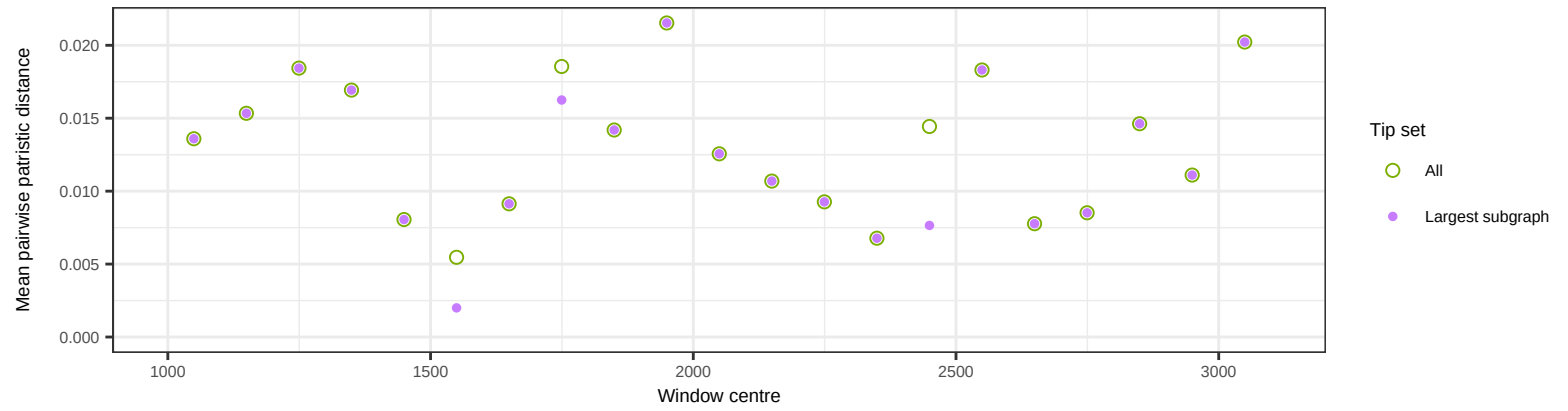

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

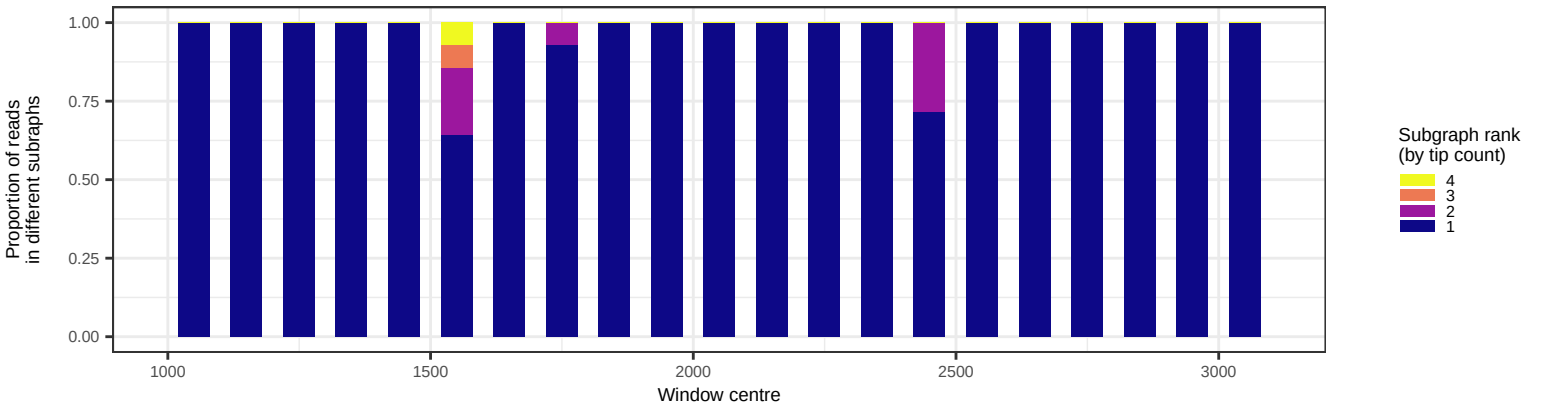
AY44


Tip or read count
14.050
14.025
14.000
13.975
13.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

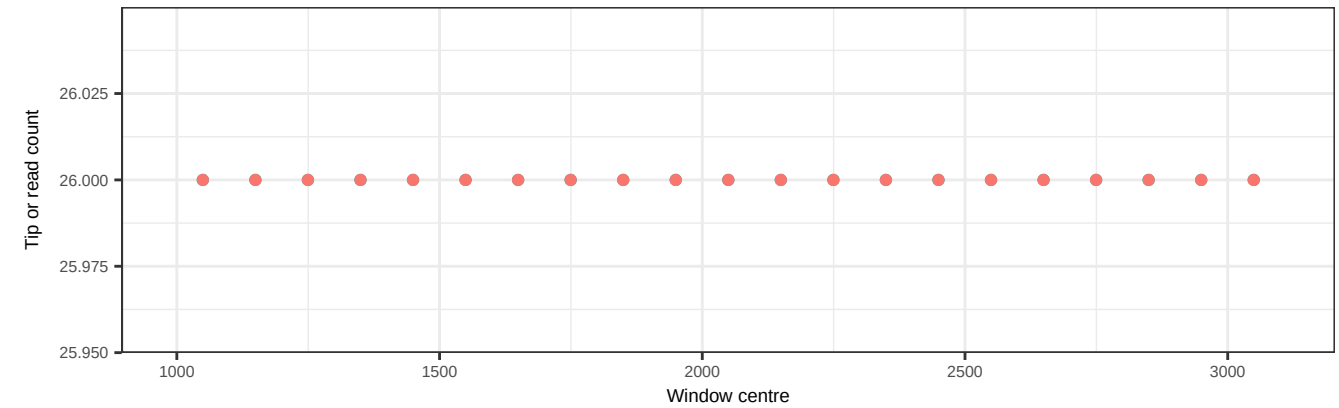

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

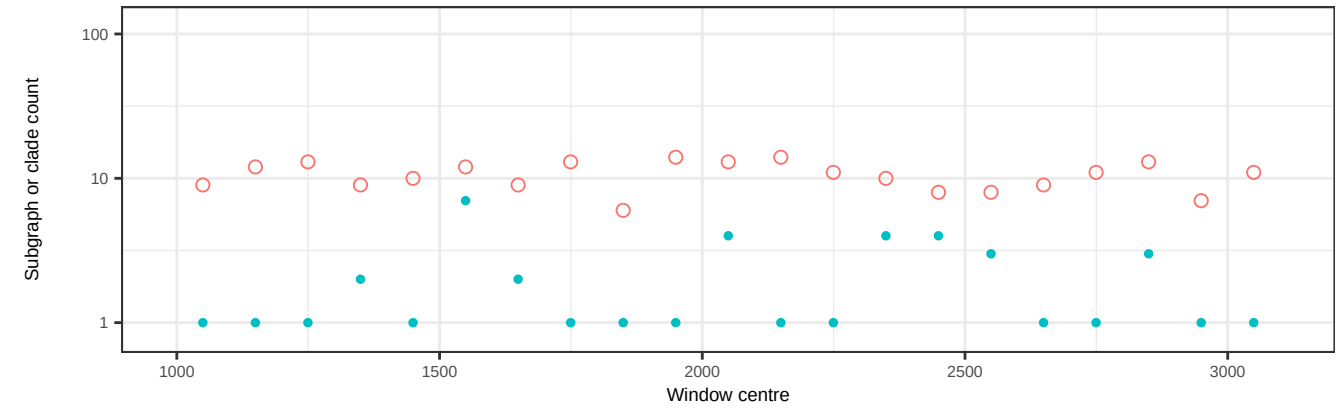

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

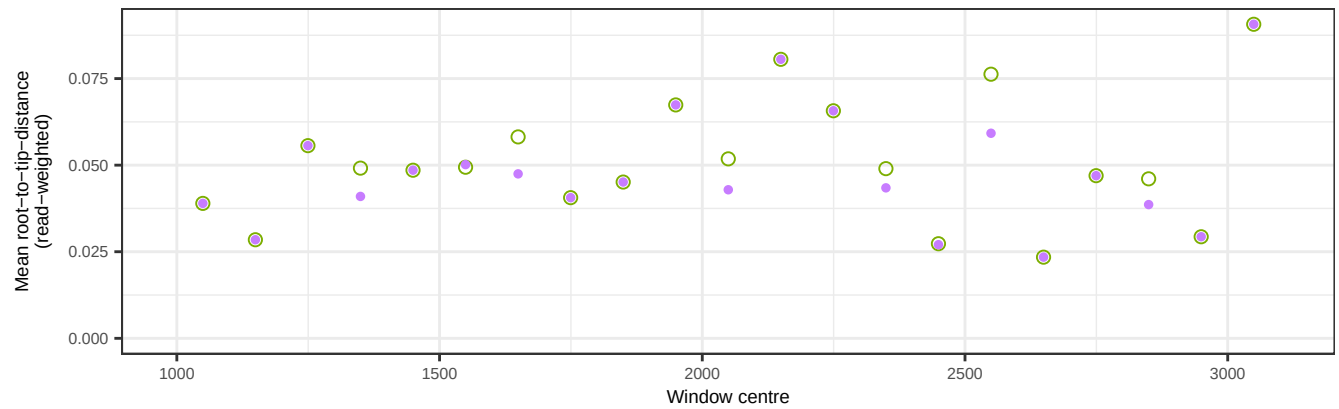

Mean pairwise patristic distance
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

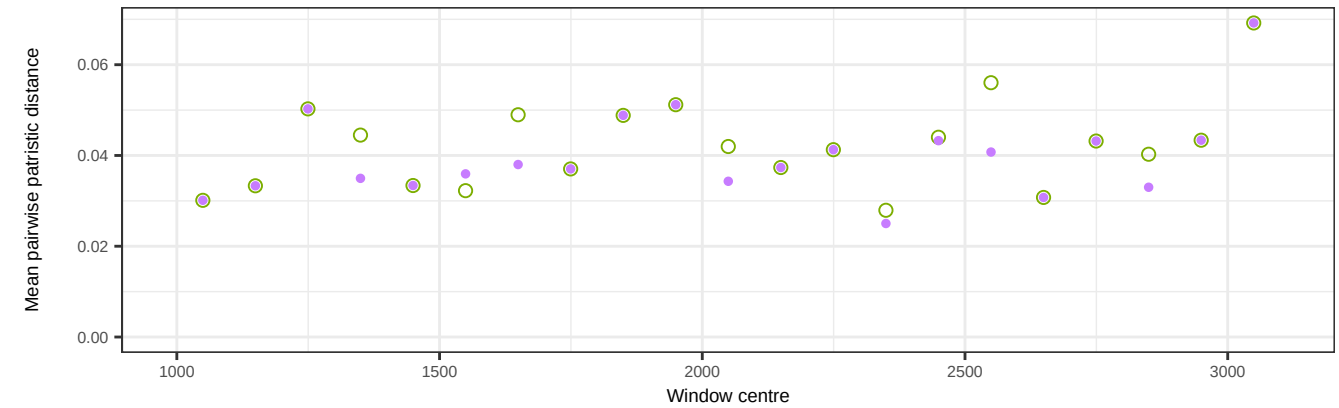

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
4
3
2
1

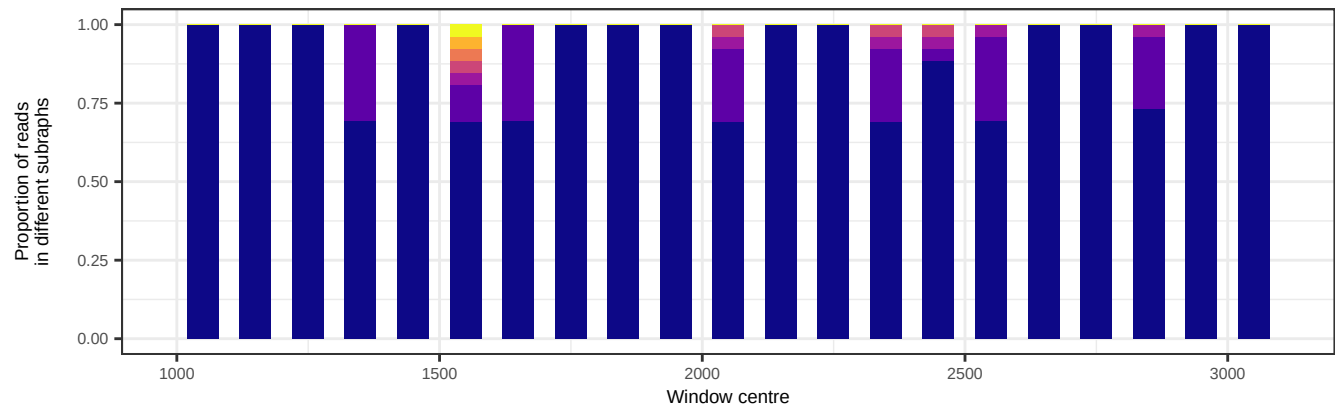
AY5


Tip or read count
26.025
26.000
25.975
25.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

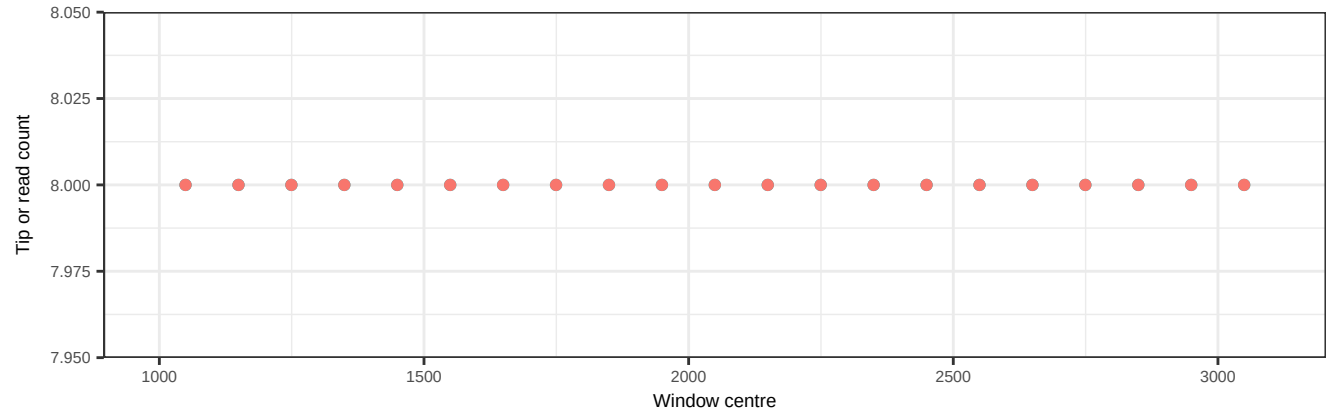

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

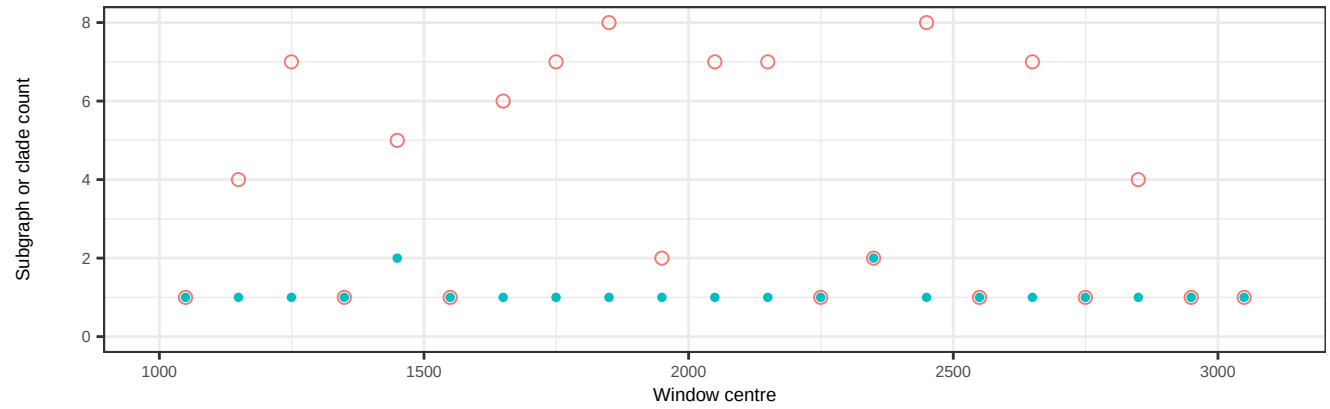

Mean root−to−tip−distance
(read−weighted)
0.075
0.050
0.025
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

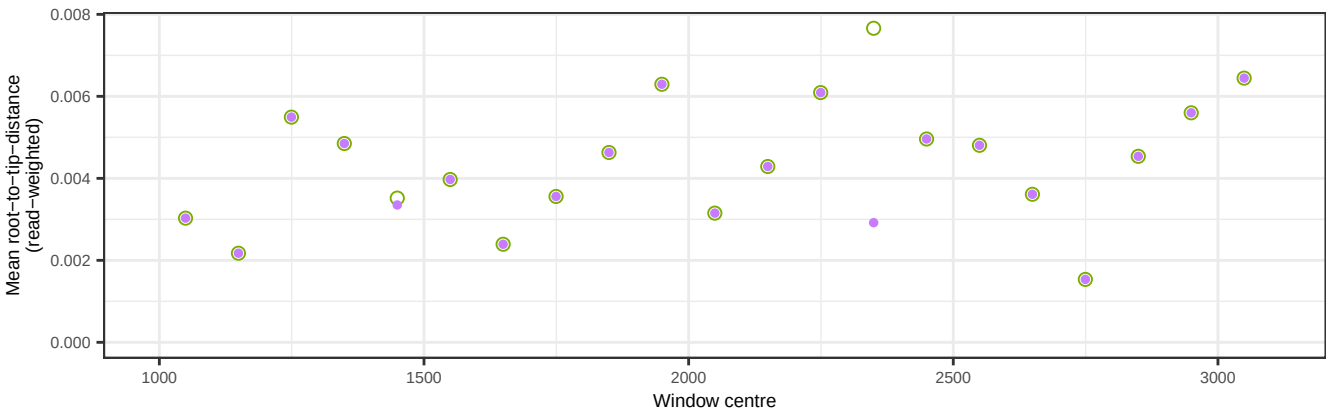

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

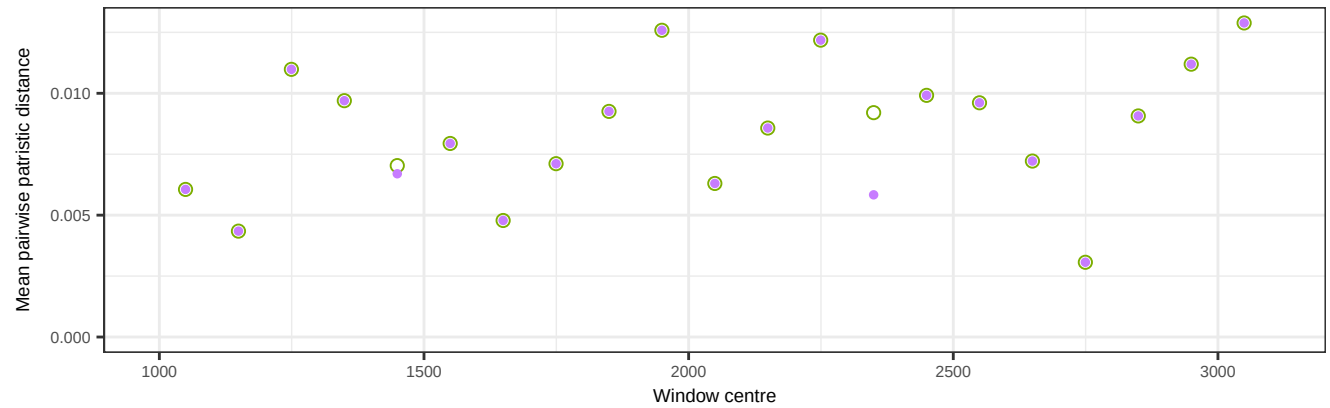

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

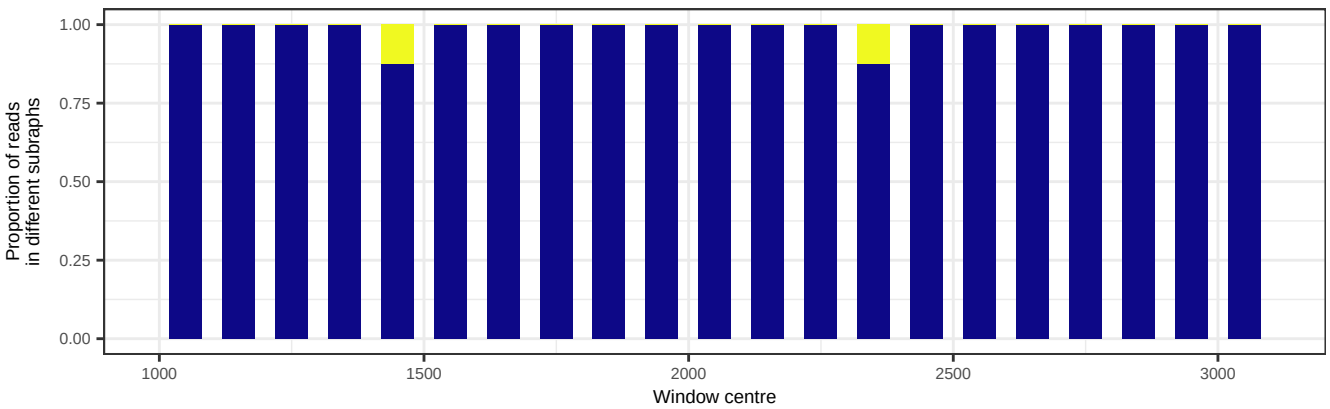
BA1


Tip or read count
8.050
8.025
8.000
7.975
7.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

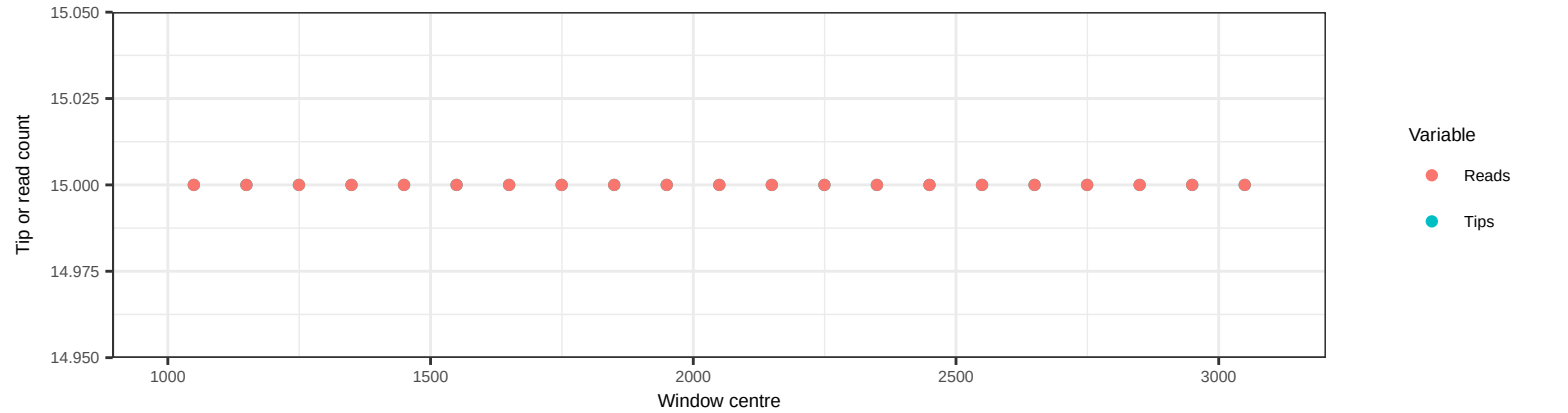

Subgraph or clade count
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

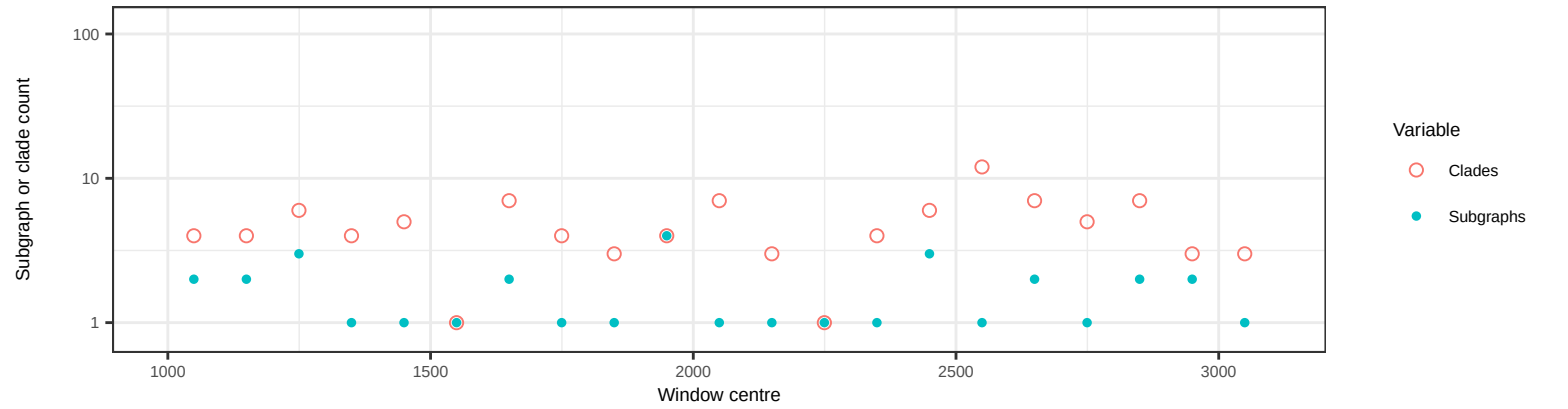

Mean root−to−tip−distance
(read−weighted)
0.008
0.006
0.004
0.002
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

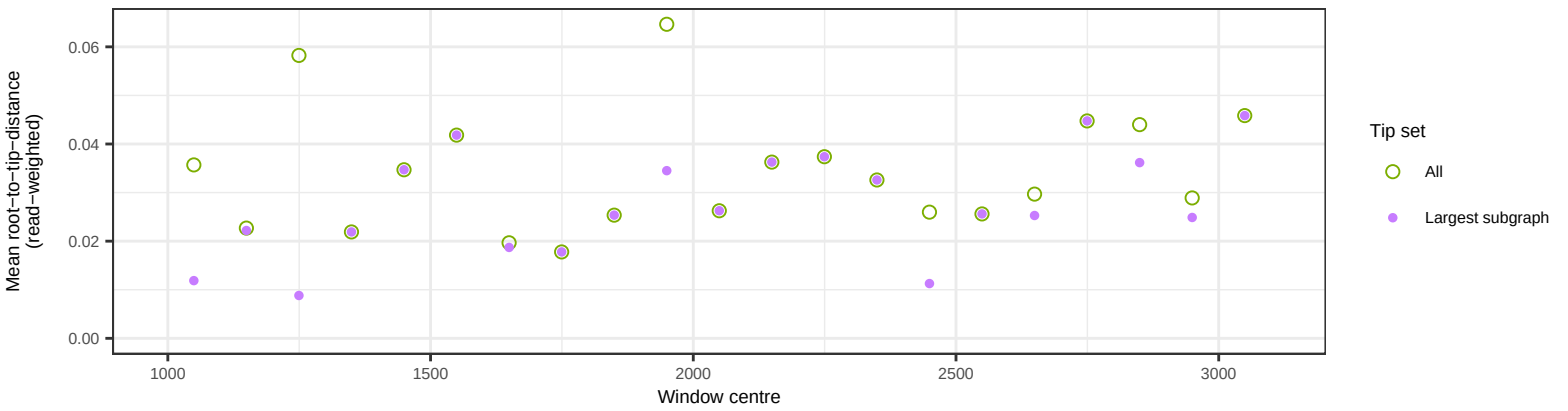

Mean pairwise patristic distance
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

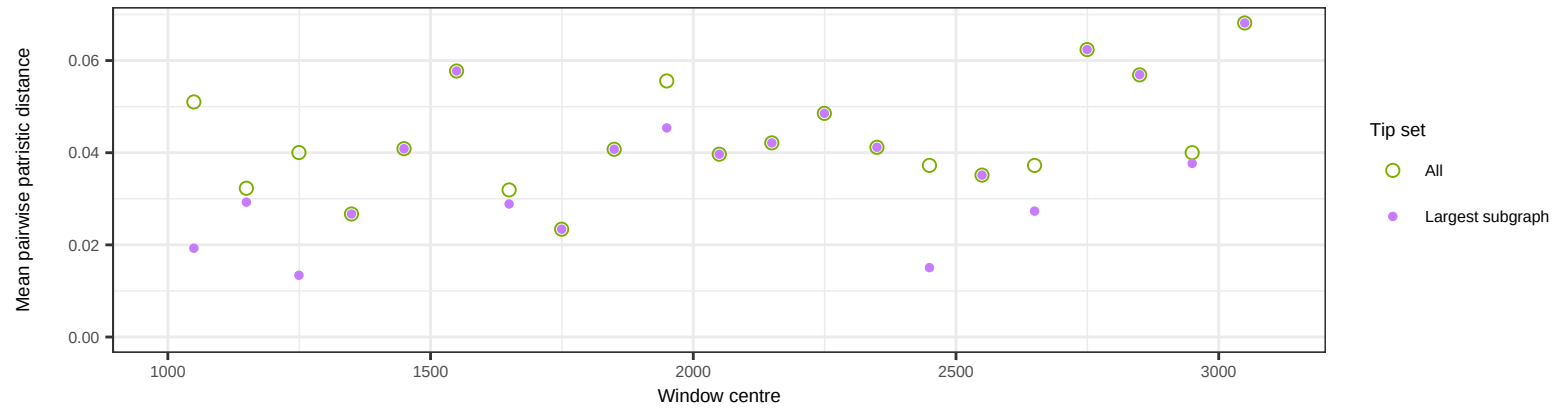

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
2
1

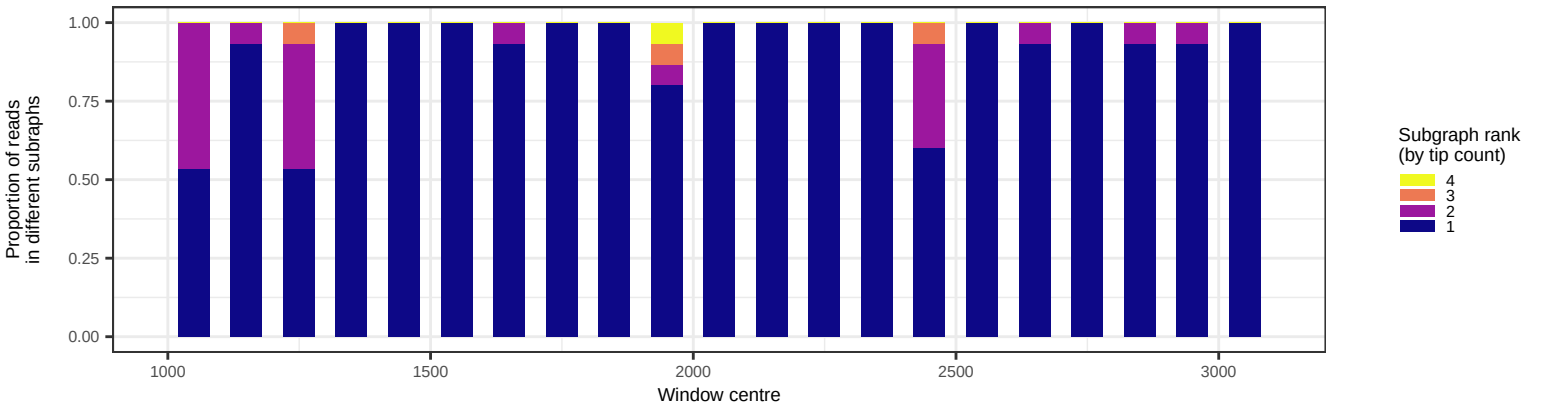
BA16


Tip or read count
15.050
15.025
15.000
14.975
14.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

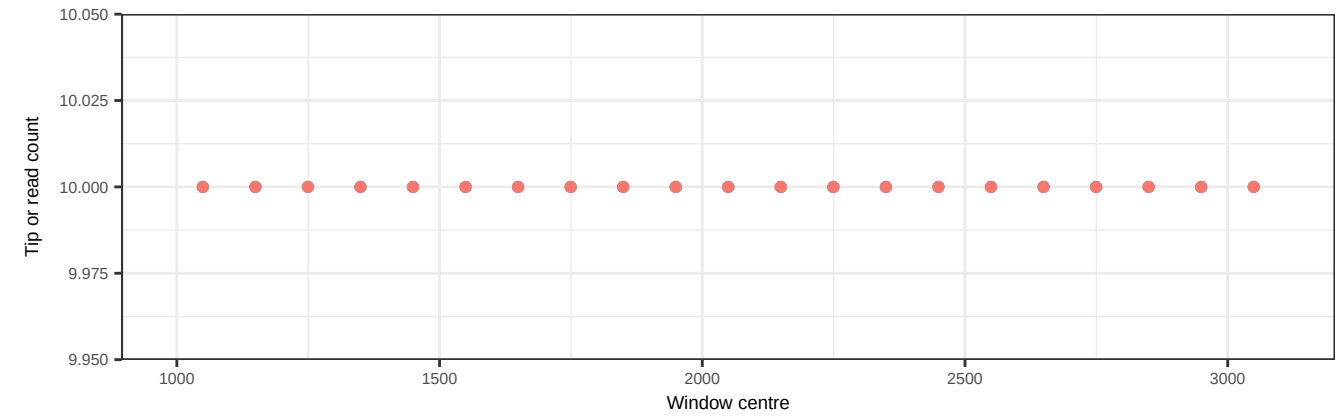

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

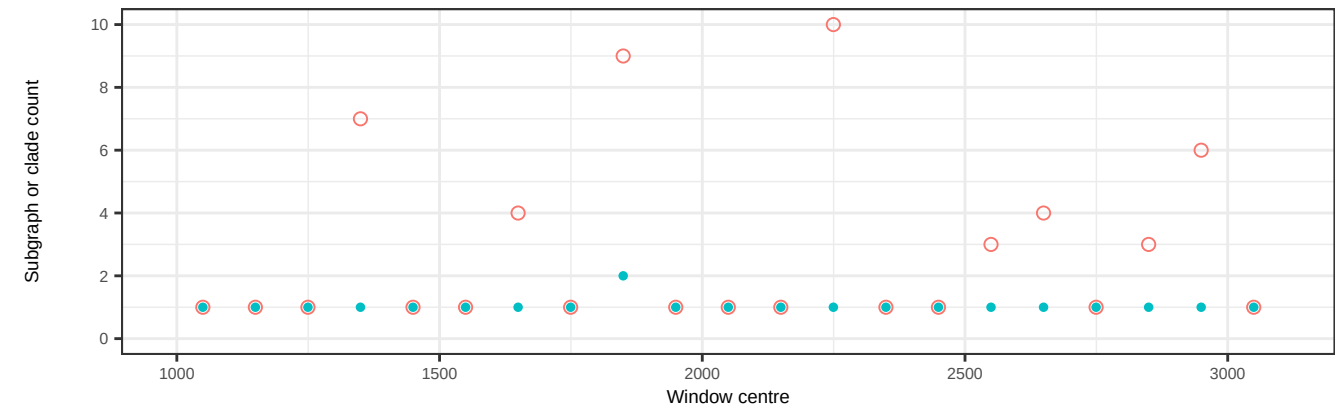

Mean root−to−tip−distance
(read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

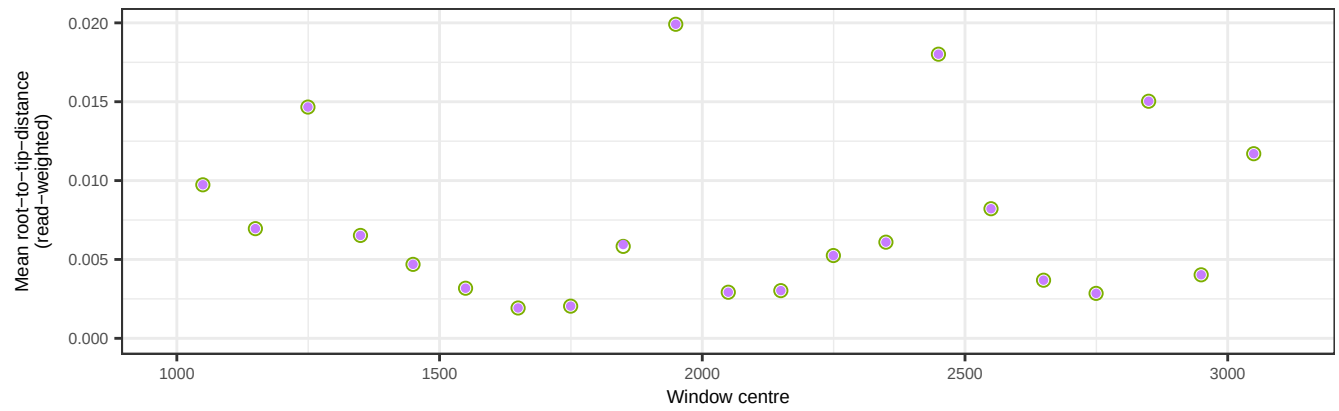

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

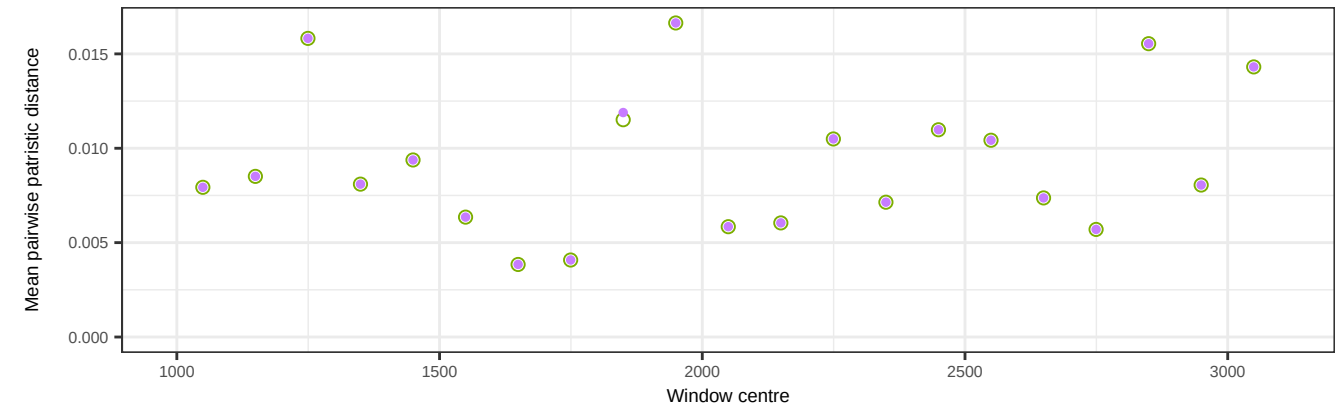

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
4
3
2
1

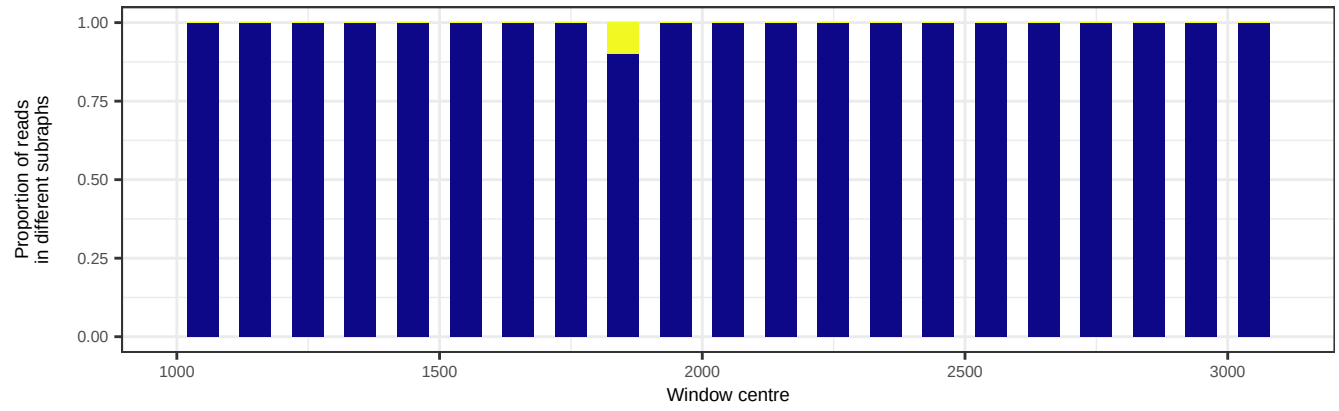
BA2


Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

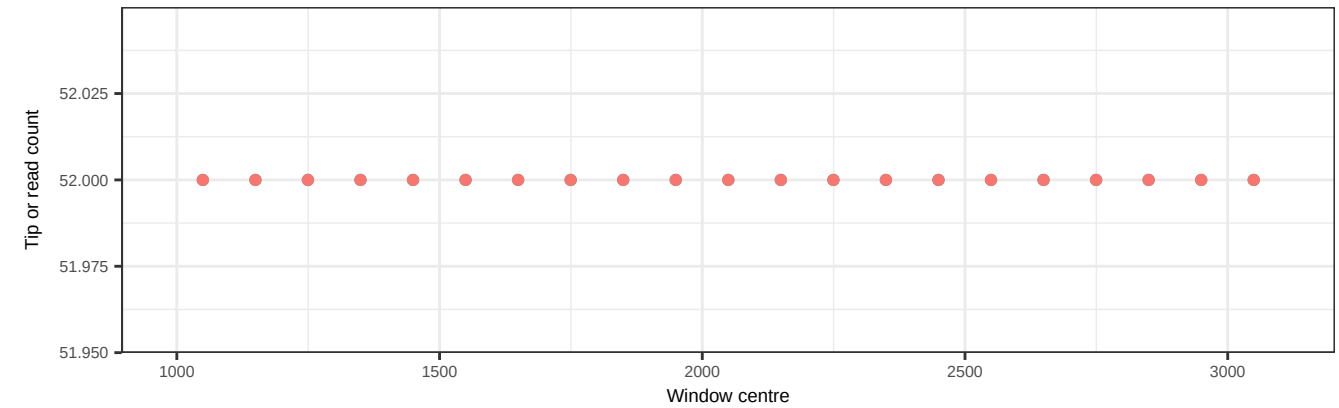

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

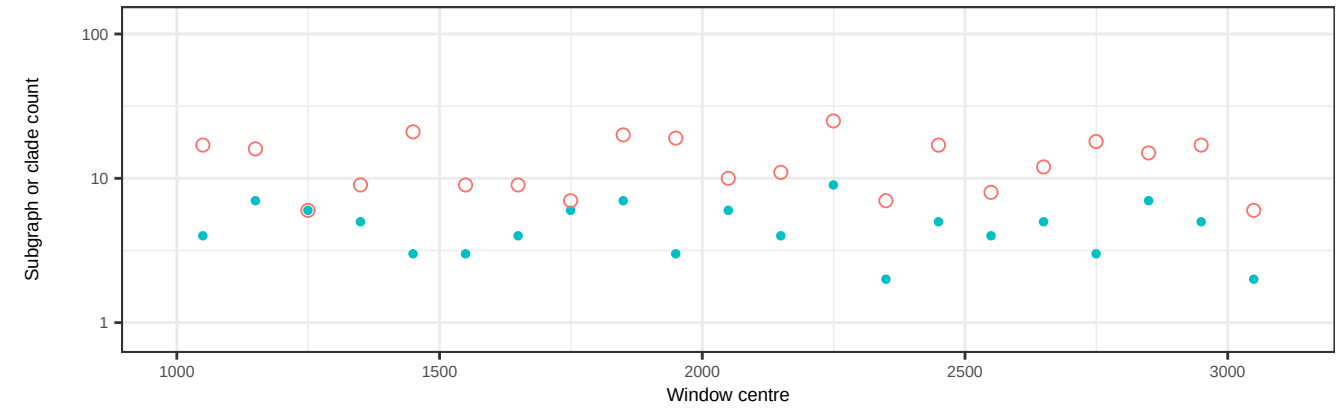

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

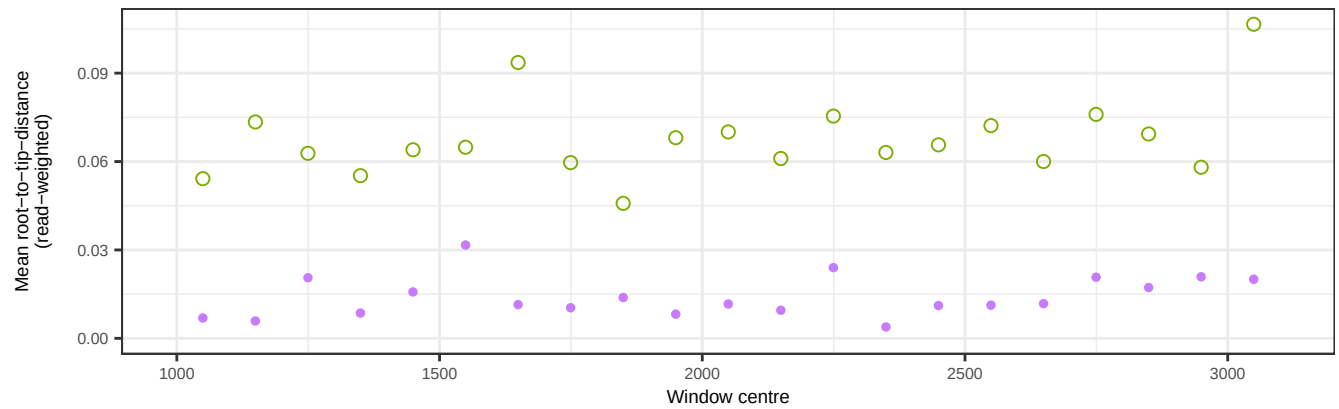

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

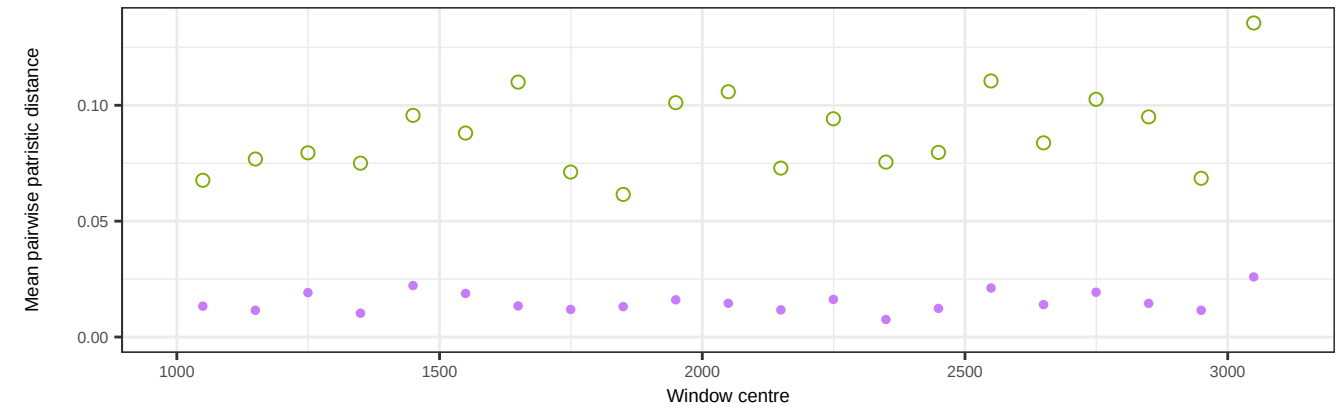

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
2
1

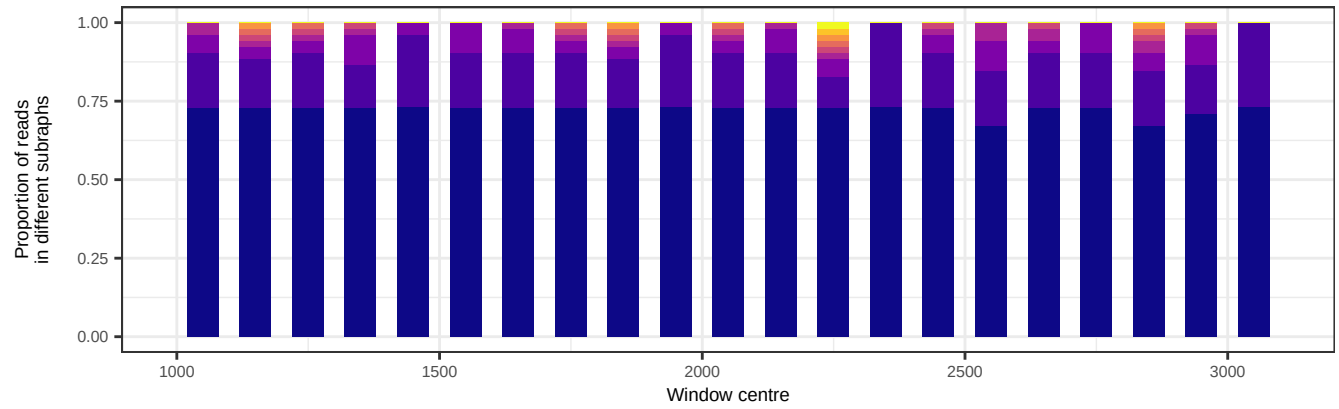
BA3


Tip or read count
52.025
52.000
51.975
51.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

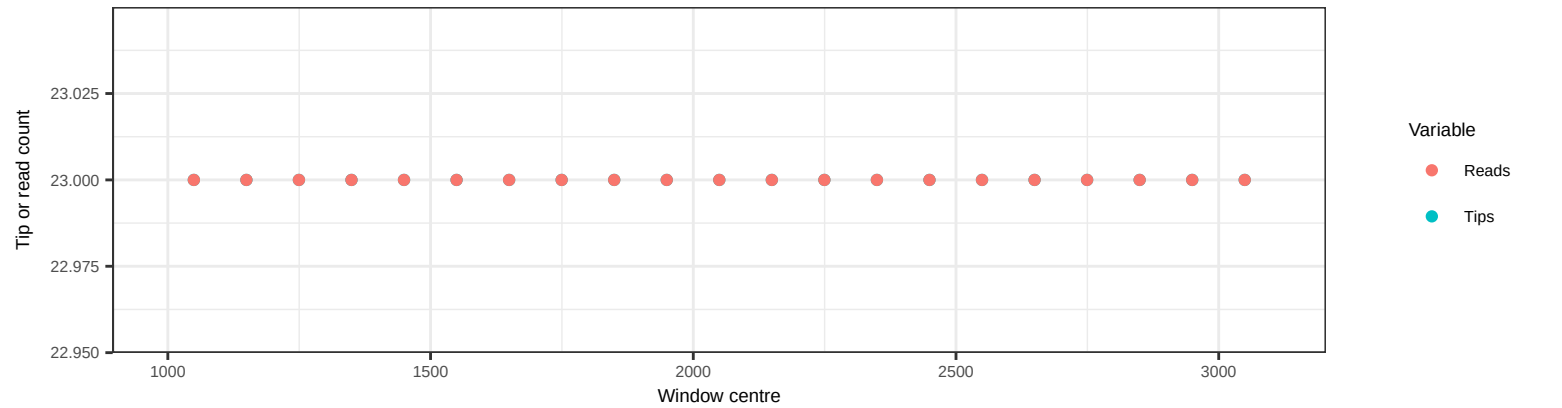

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

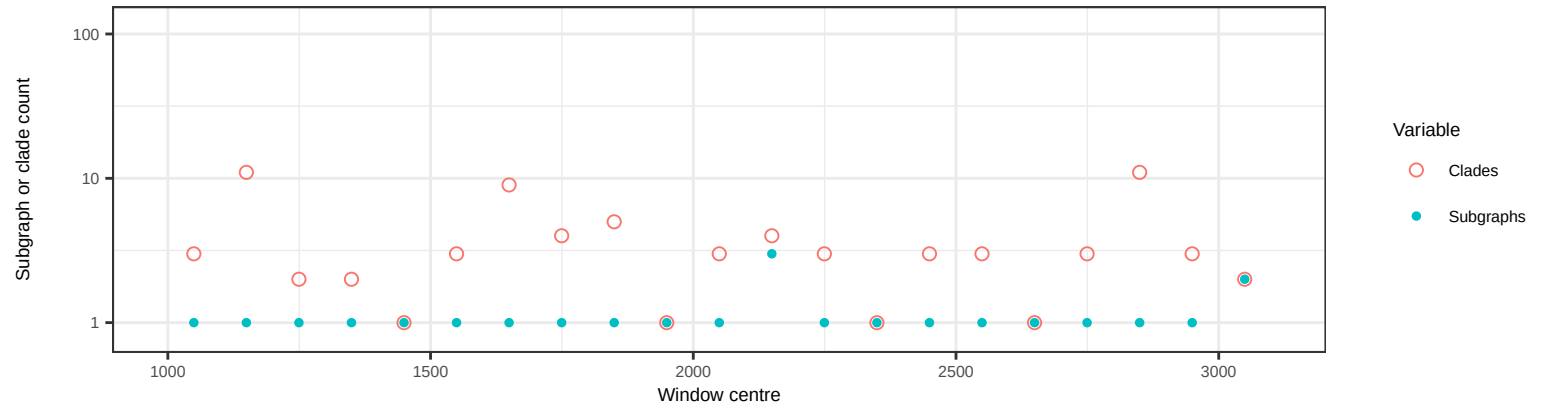

Mean root−to−tip−distance
(read−weighted)
0.09
0.06
0.03
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

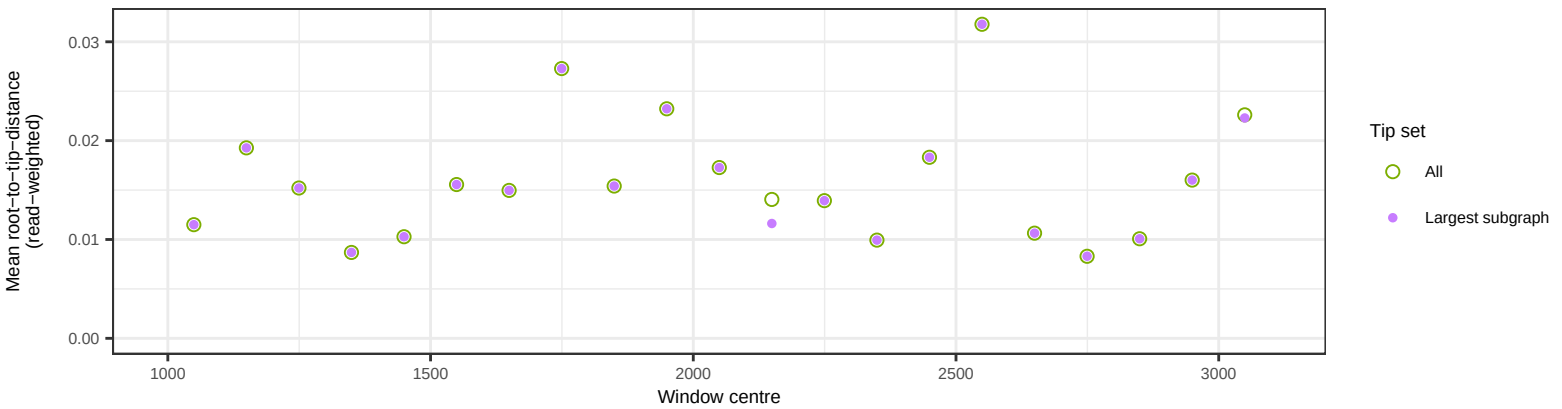

Mean pairwise patristic distance
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

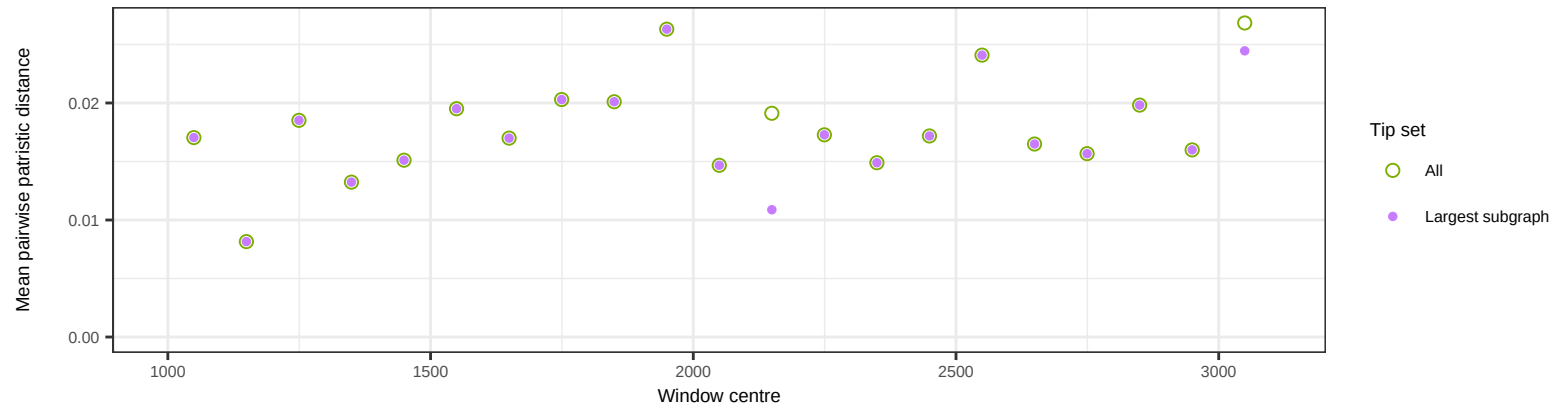

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
9
8
7
6
5
4
3
2
1

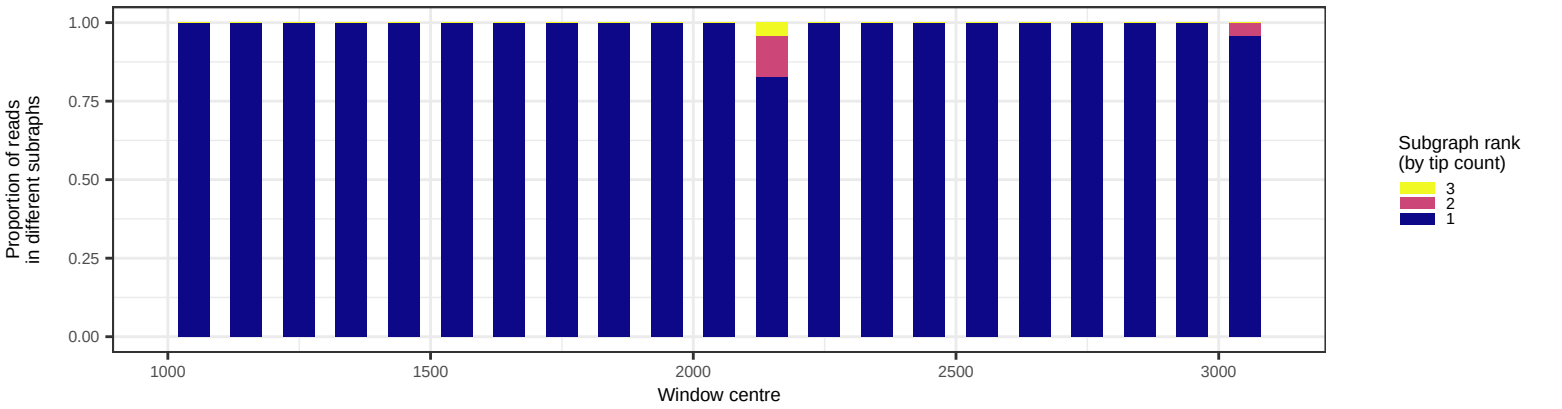
BA4


Tip or read count
23.025
23.000
22.975
22.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

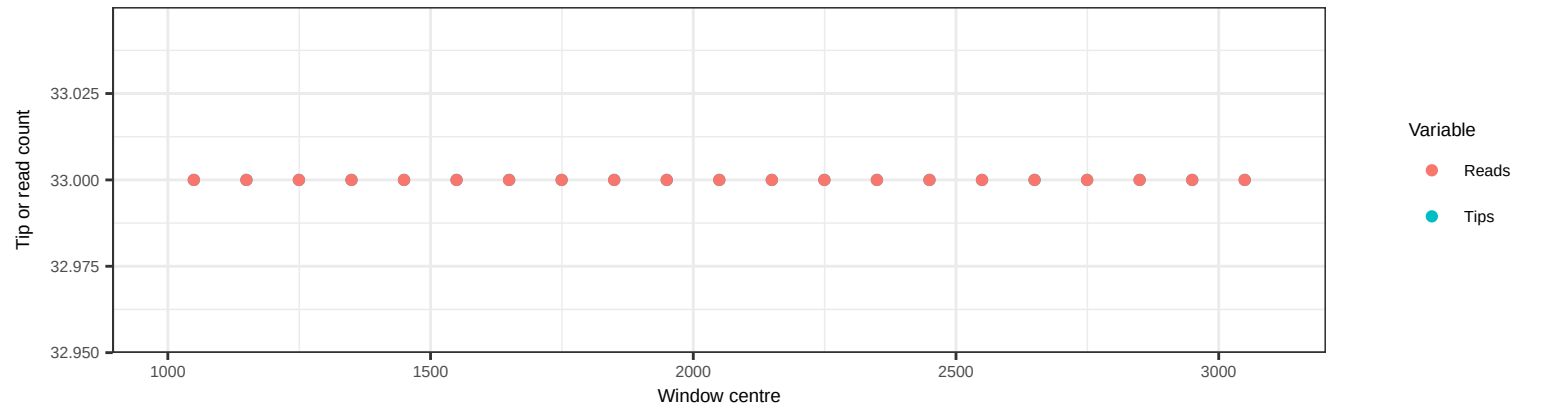

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

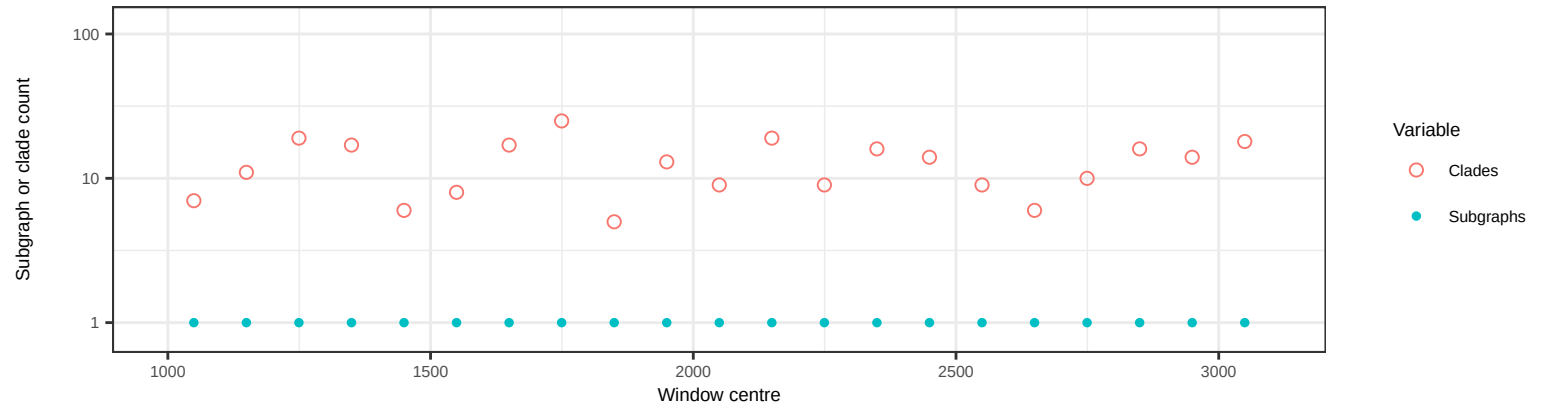

Mean root−to−tip−distance
(read−weighted)
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

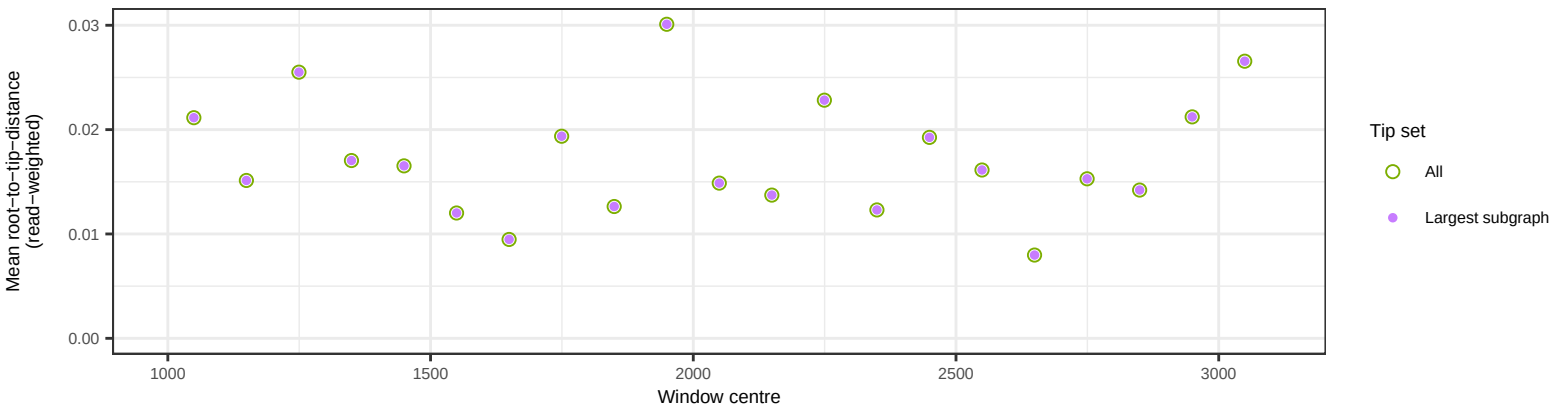

Mean pairwise patristic distance
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

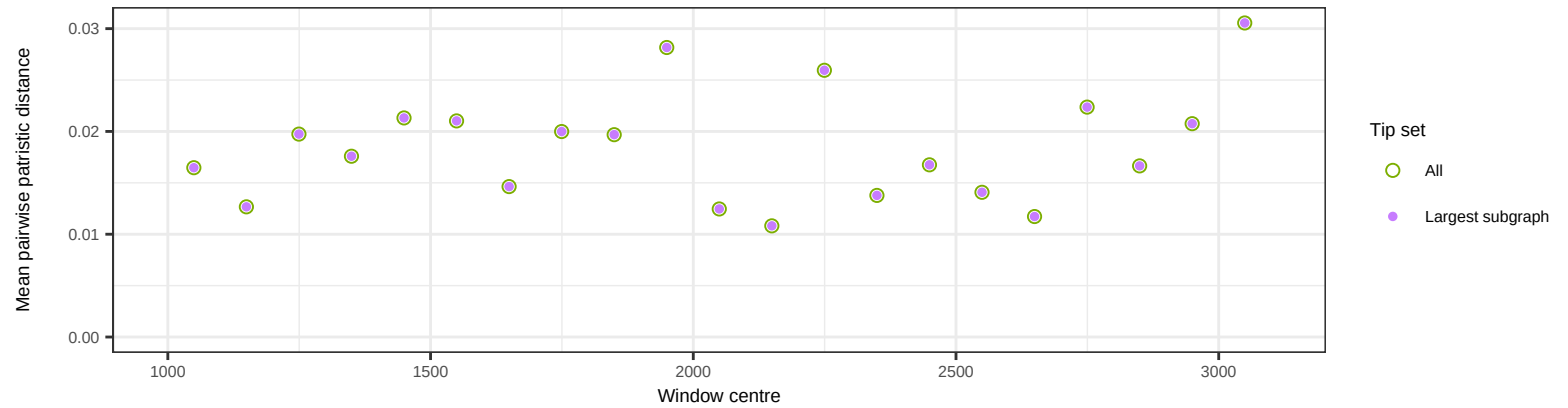

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
3
2
1

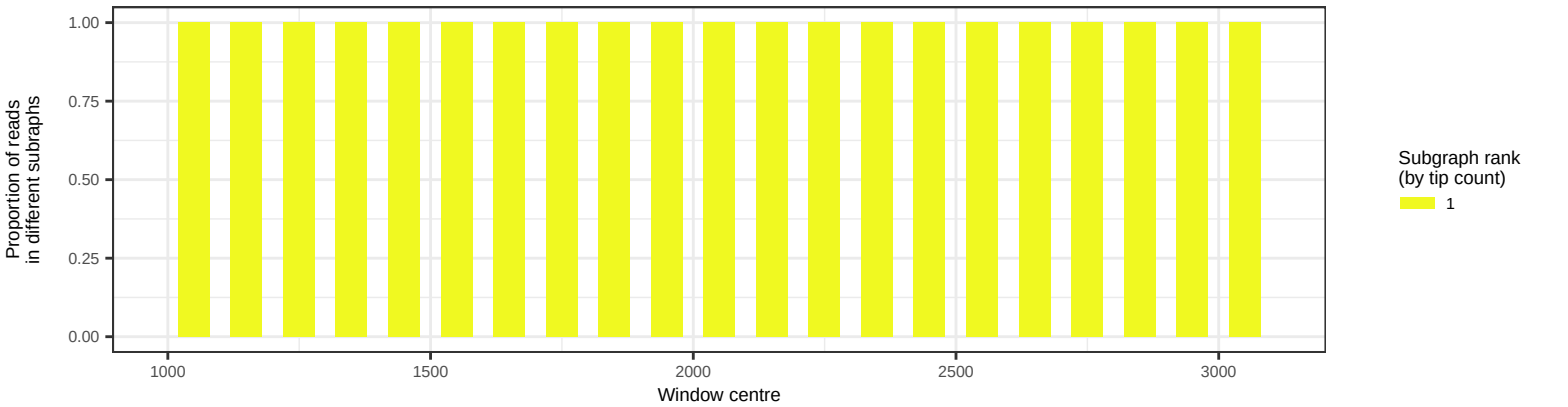
BA8


Tip or read count
33.025
33.000
32.975
32.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

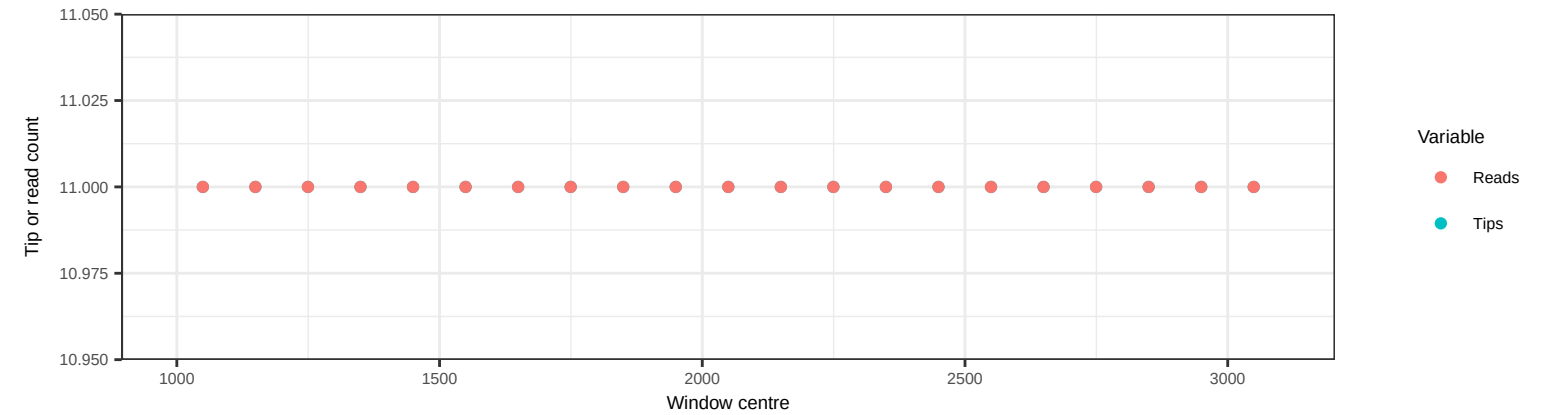

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

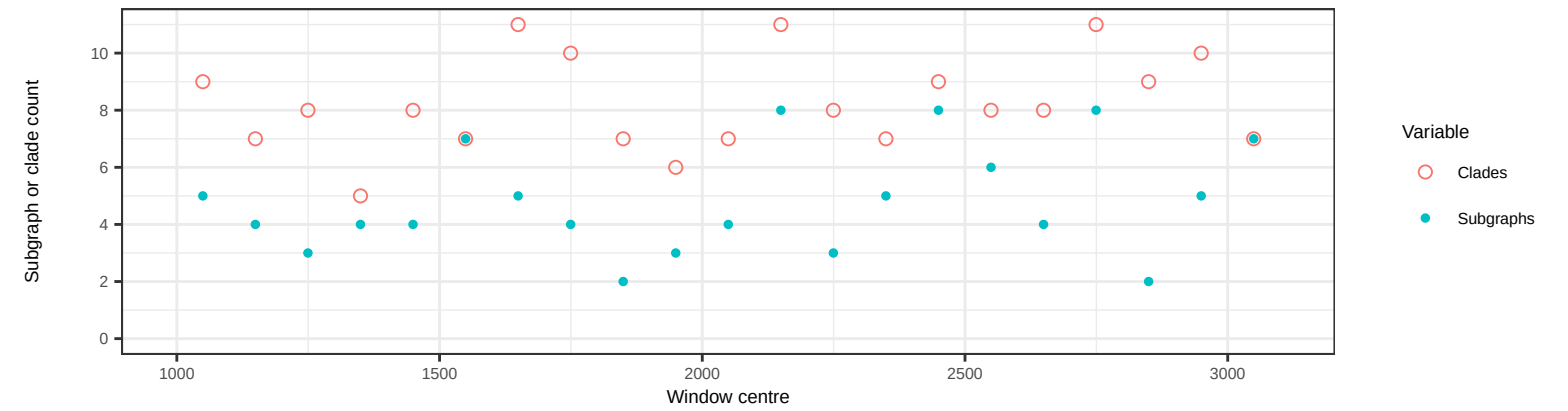

Mean root−to−tip−distance
(read−weighted)
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

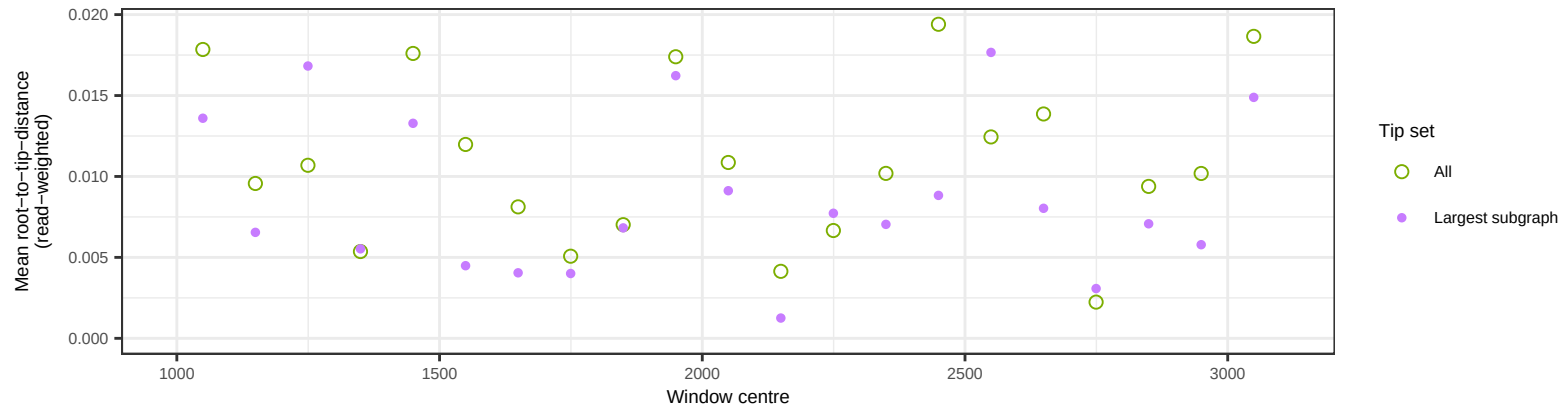

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

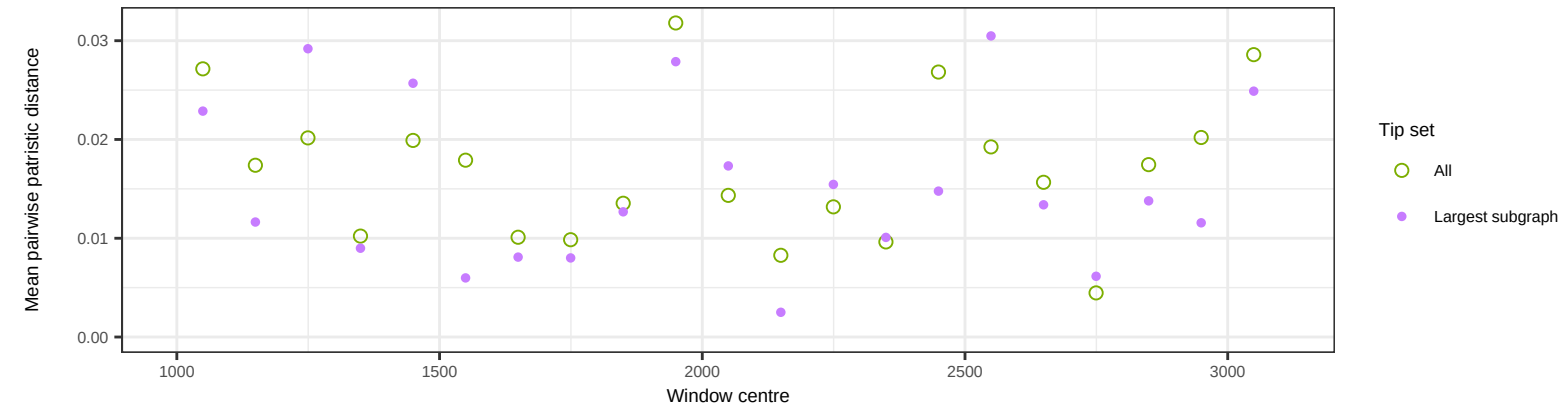

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
1

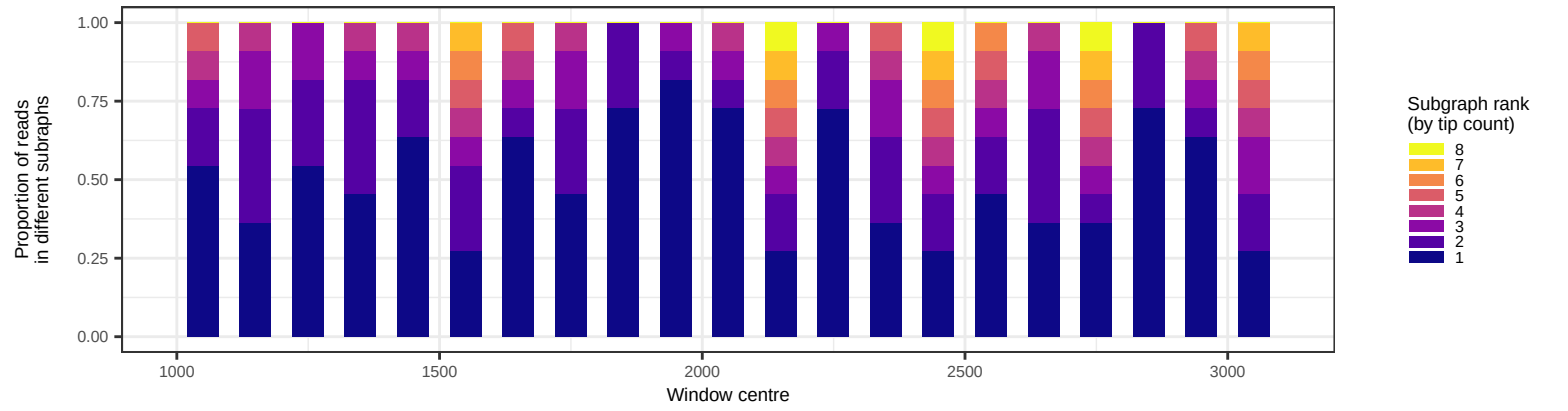
BB1


Tip or read count
11.050
11.025
11.000
10.975
10.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

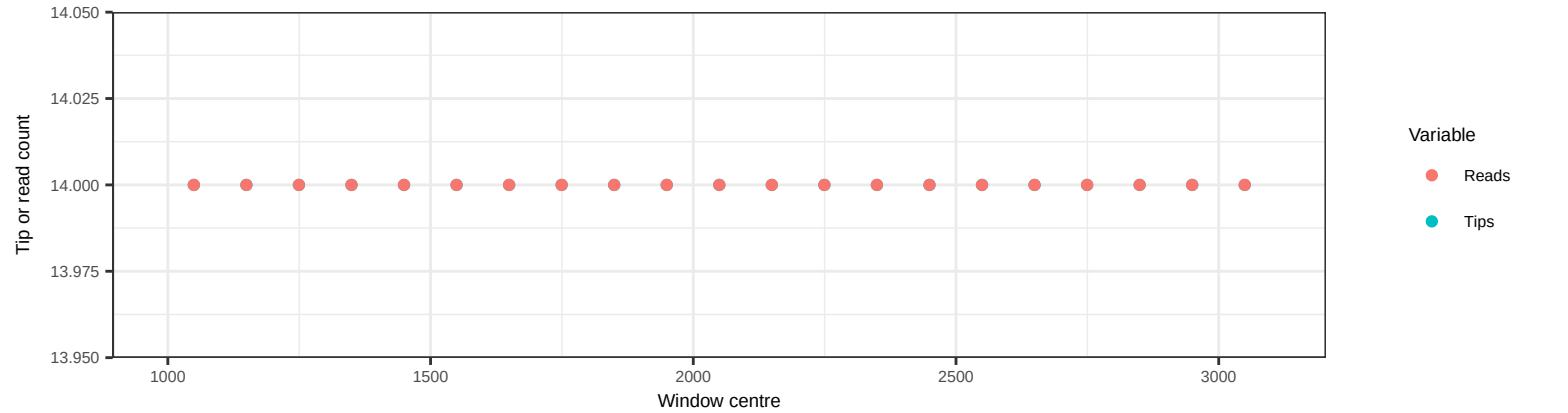

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

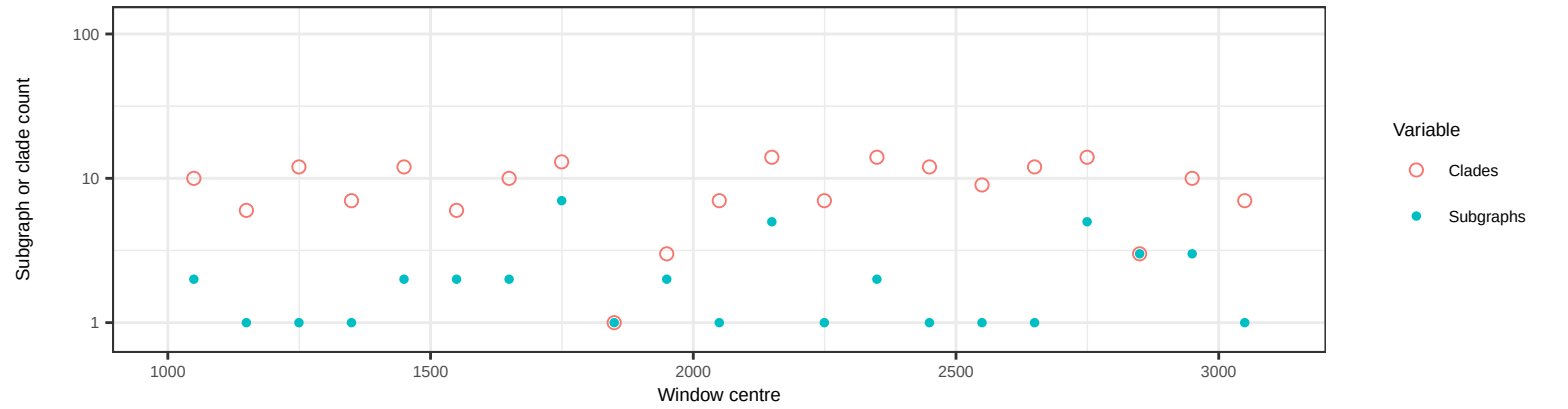

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

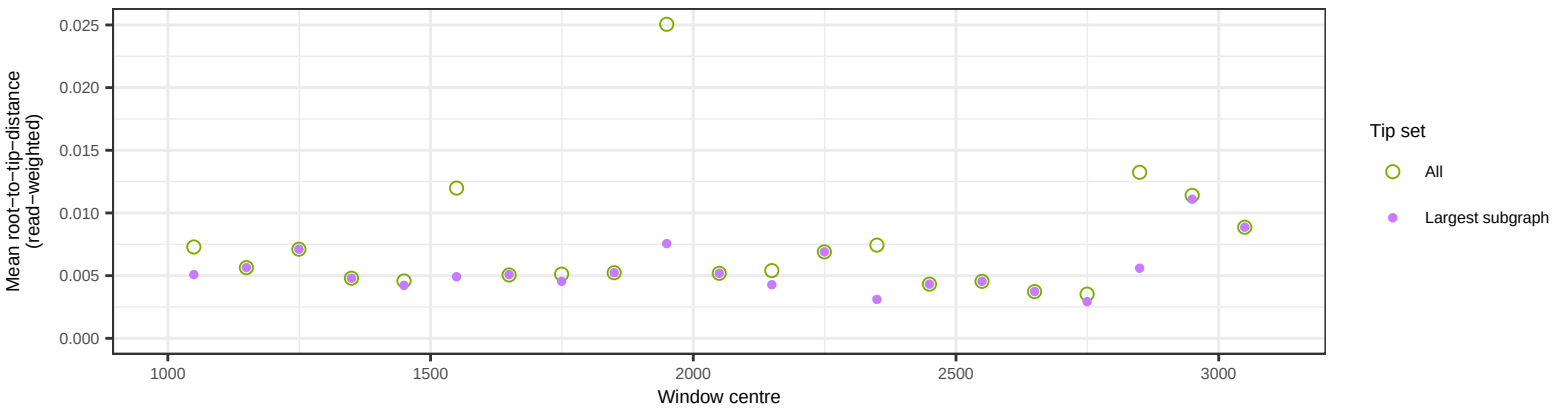

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

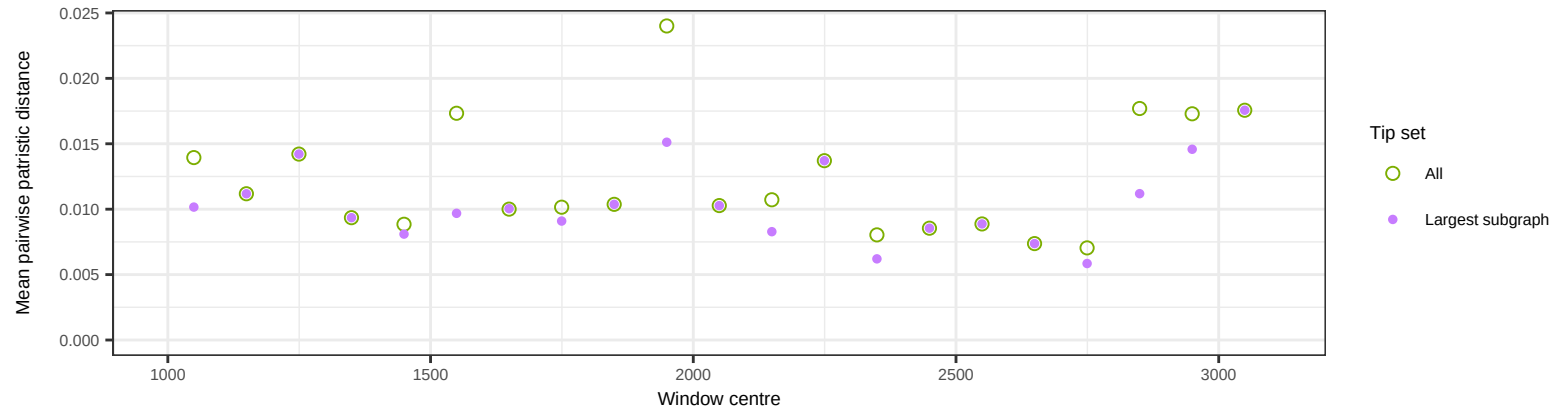

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
8
7
6
5
4
3
2
1

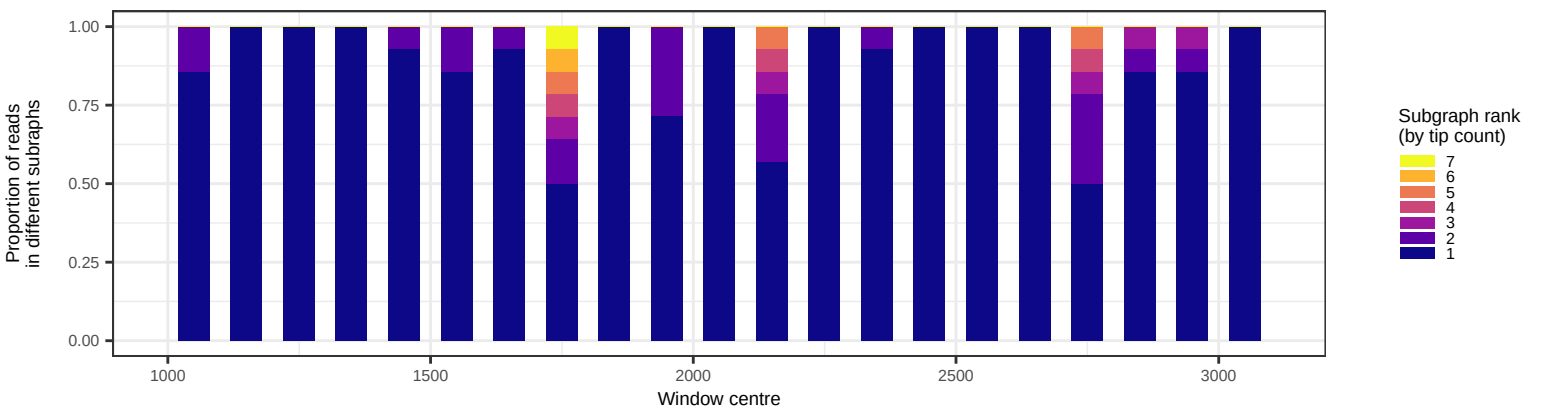
BB29


Tip or read count
14.050
14.025
14.000
13.975
13.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

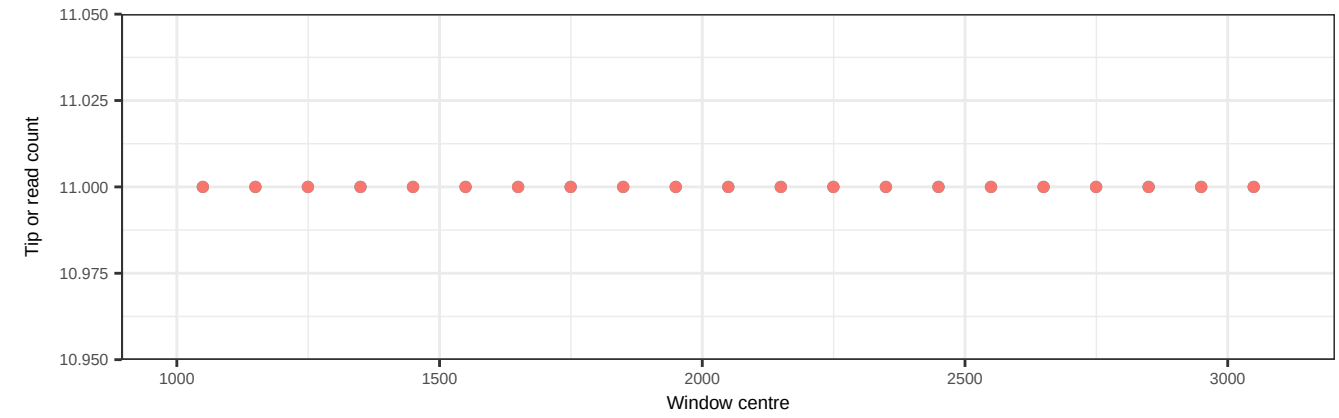

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

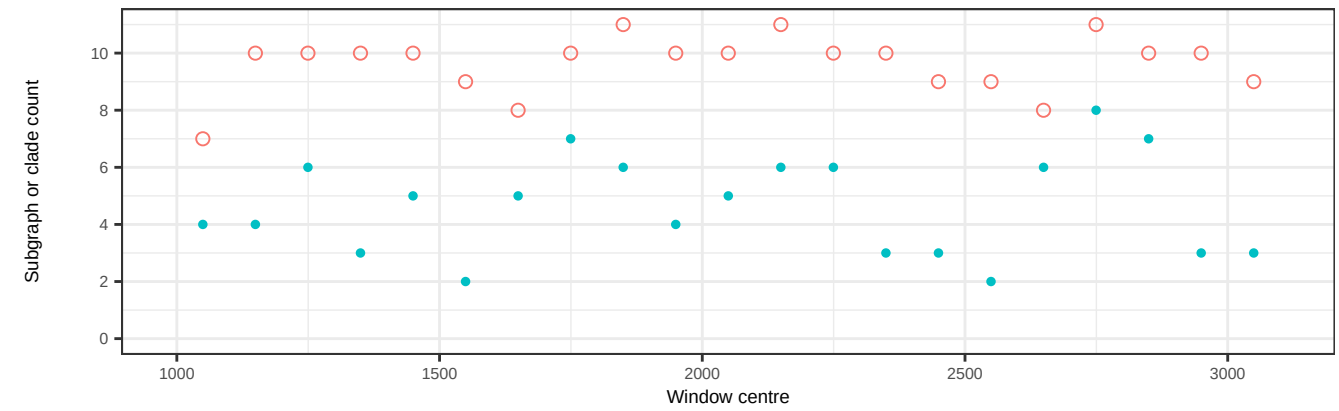

Mean root−to−tip−distance
(read−weighted)
0.025
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

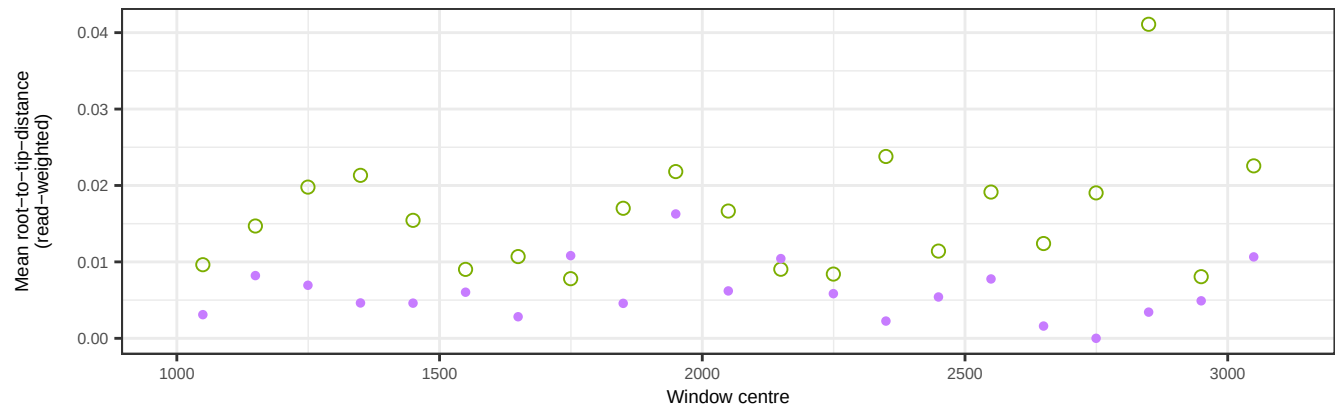

Mean pairwise patristic distance
0.025
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

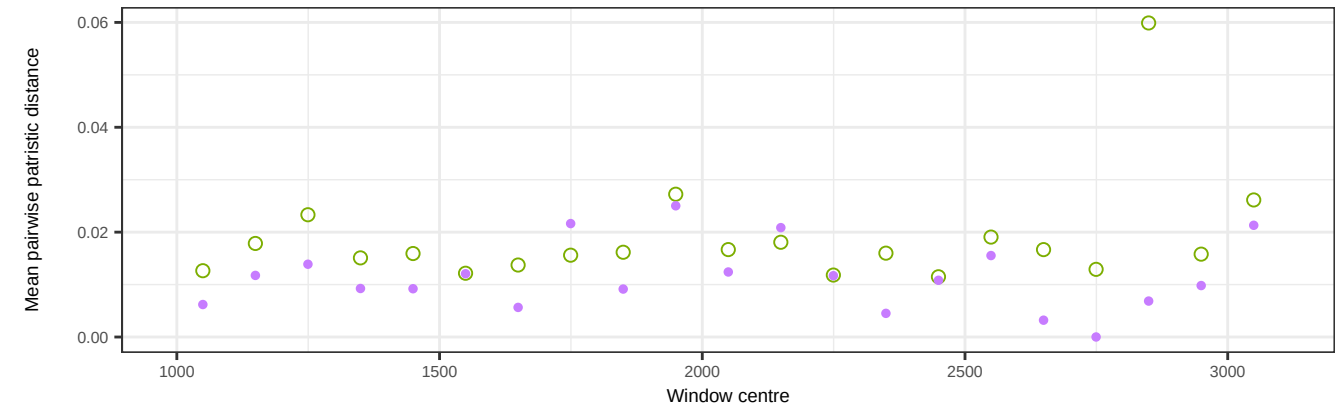

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

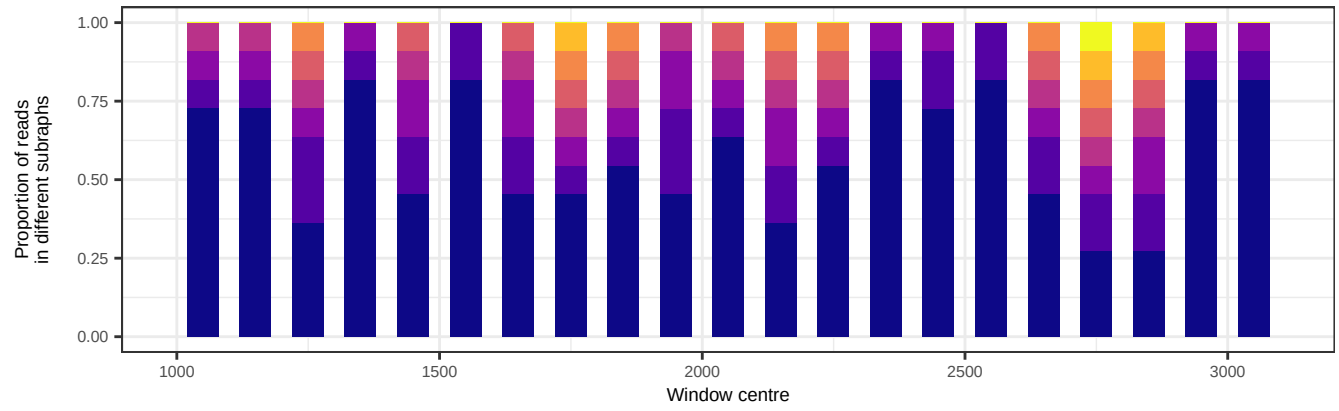
BB31


Tip or read count
11.050
11.025
11.000
10.975
10.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

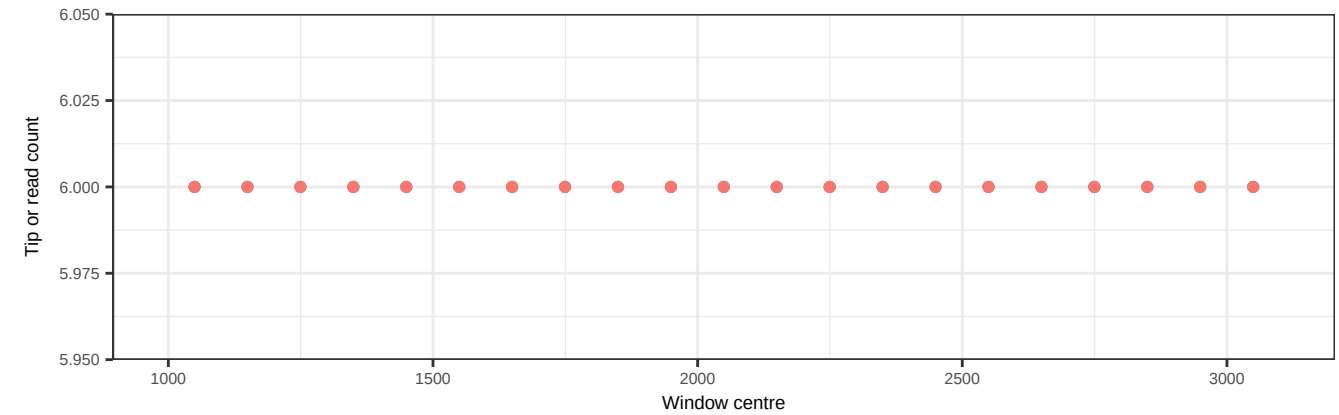

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

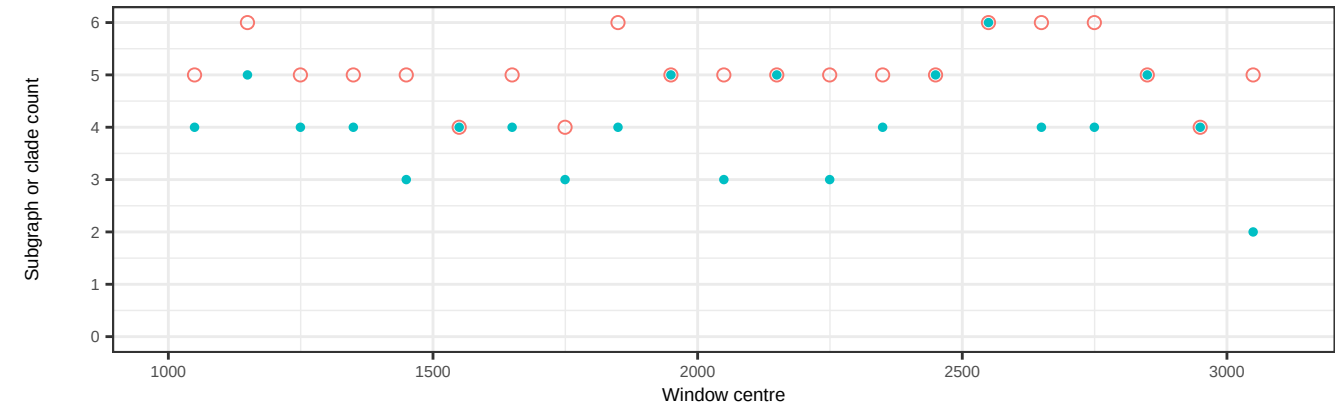

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

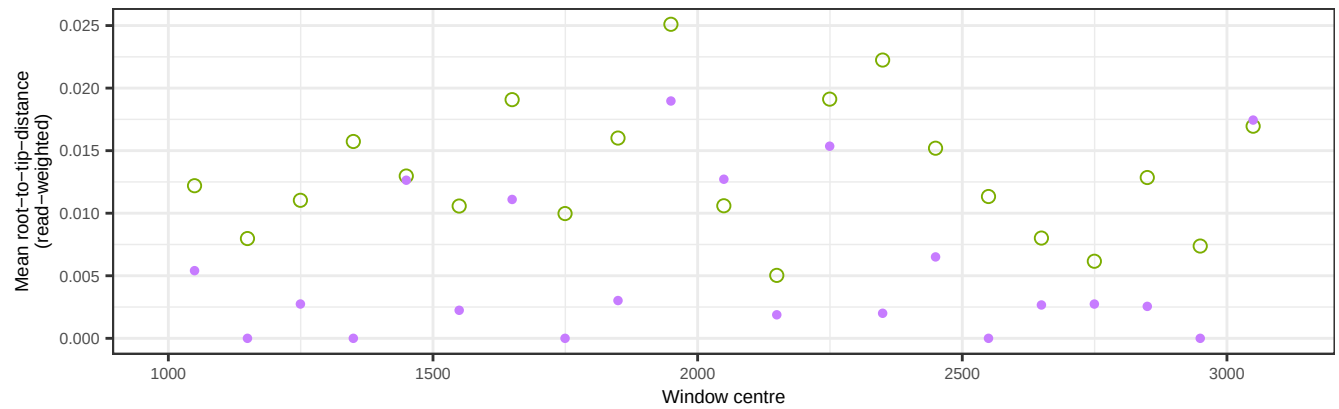

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

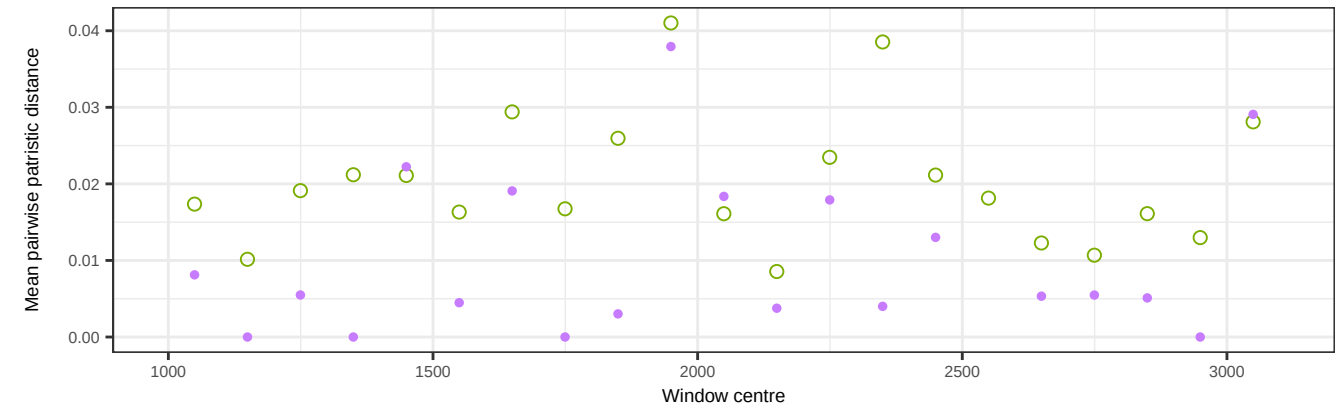

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
8
7
6
5
4
3
2
1

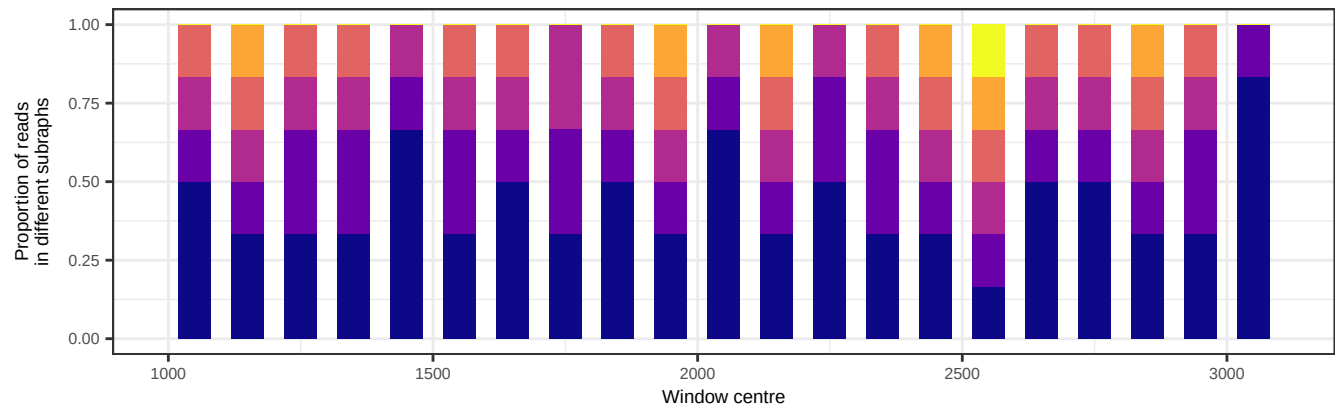
BB41


Tip or read count
6.050
6.025
6.000
5.975
5.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

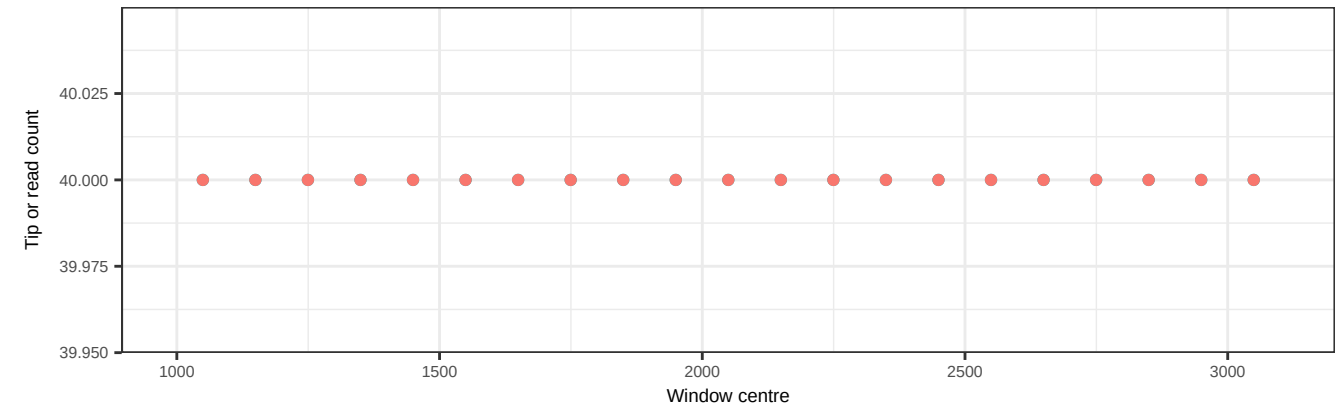

Subgraph or clade count
6
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

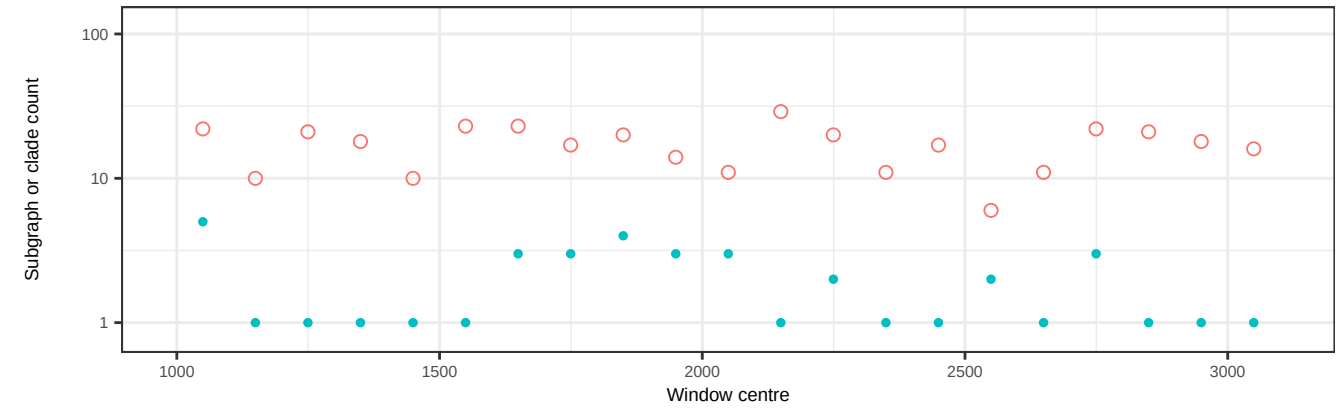

Mean root−to−tip−distance
(read−weighted)
0.025
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

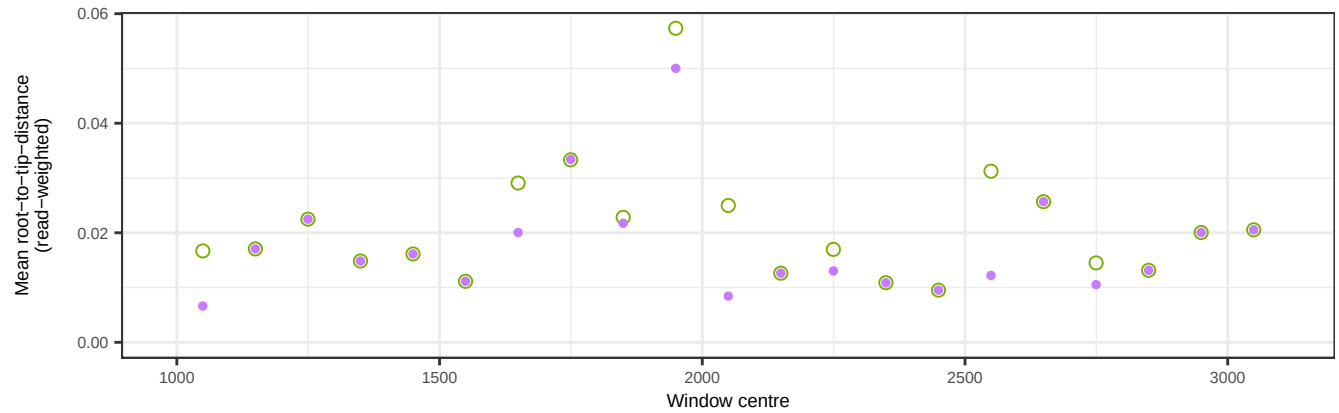

Mean pairwise patristic distance
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

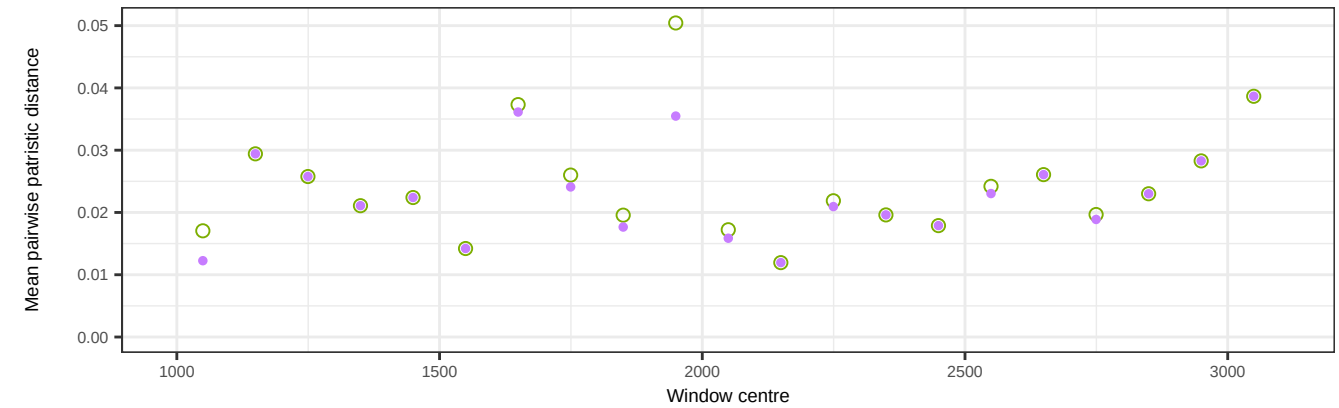

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
6
5
4
3
2
1

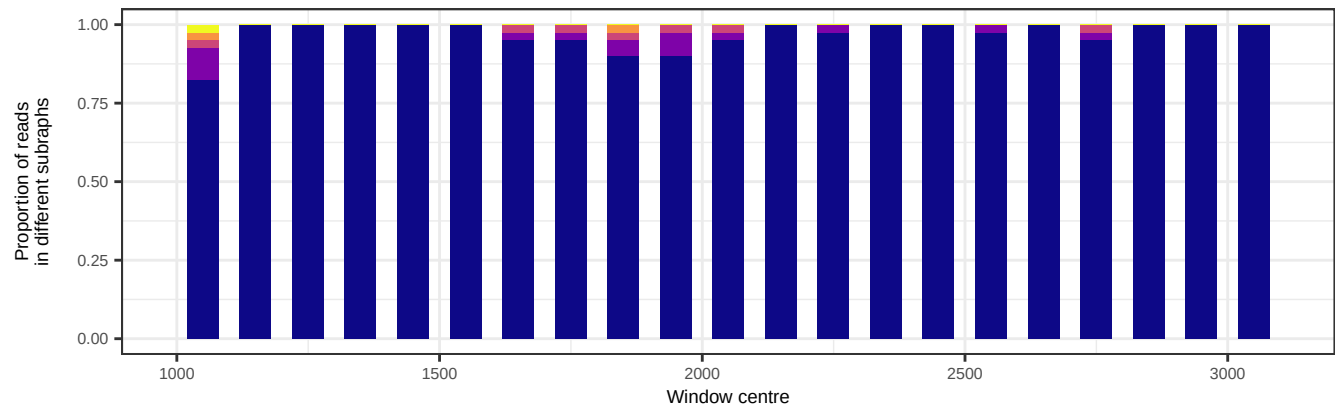
BB42


Tip or read count
40.025
40.000
39.975
39.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

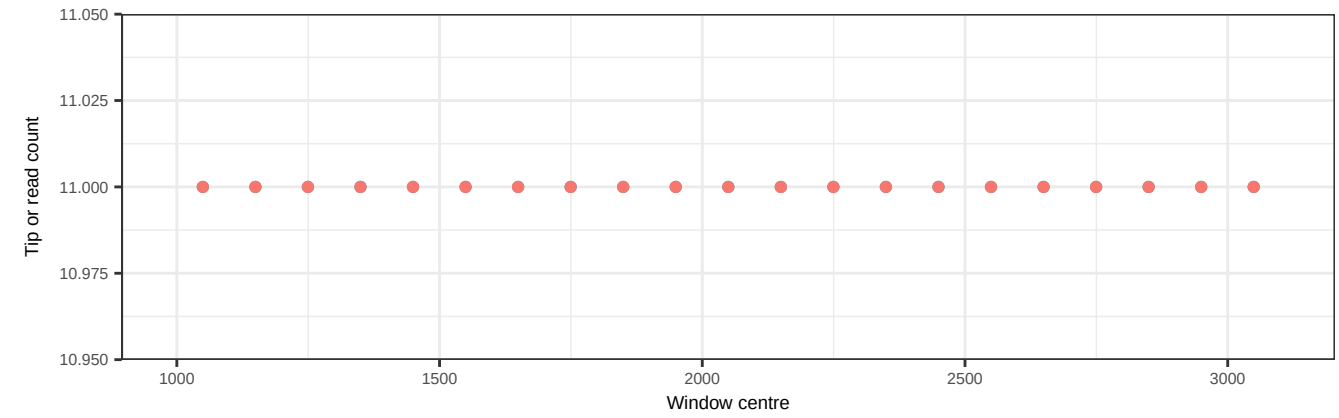

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

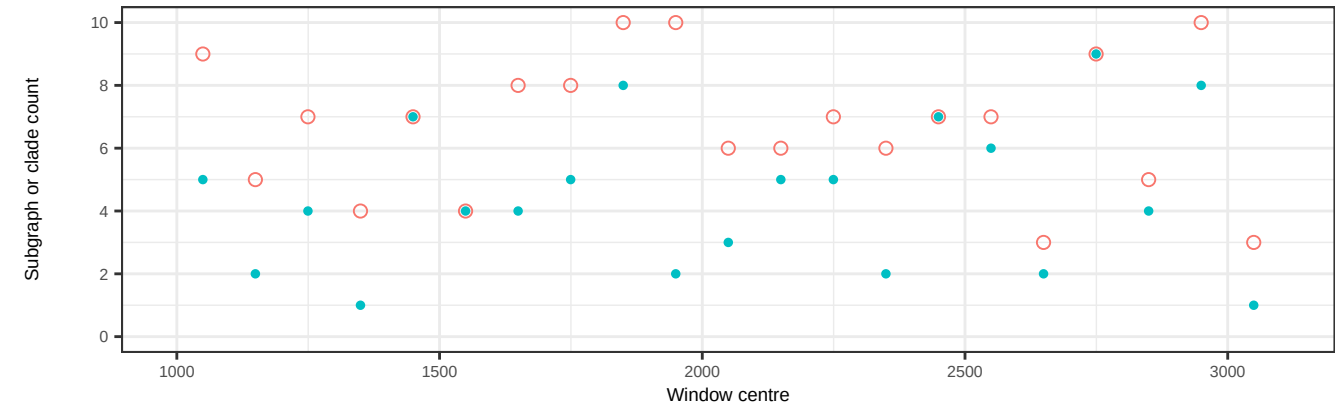

Mean root−to−tip−distance
(read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

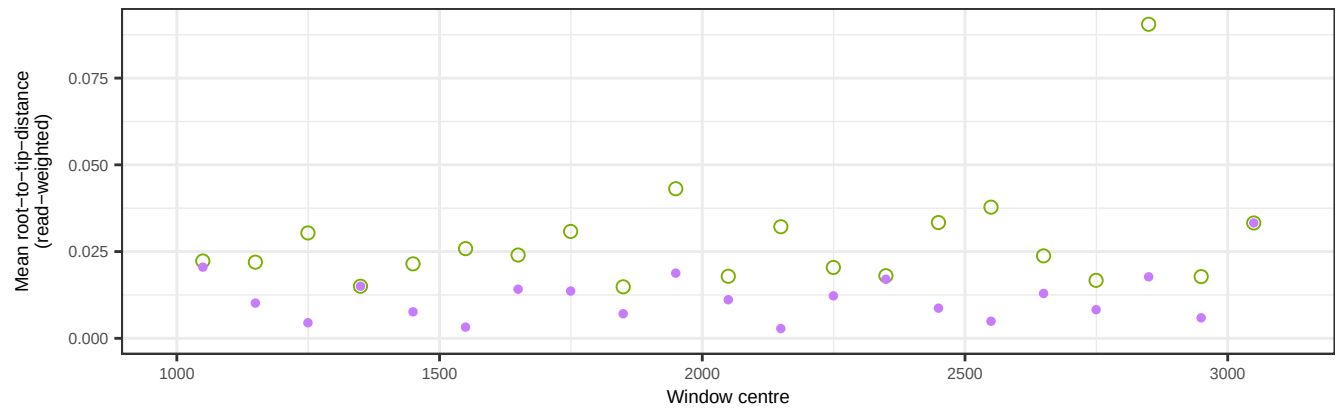

Mean pairwise patristic distance
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

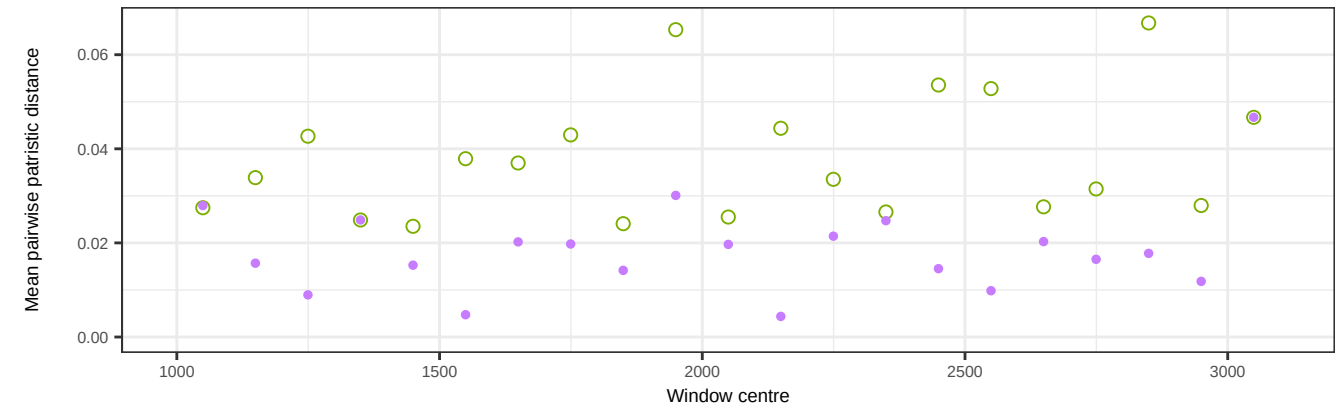

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

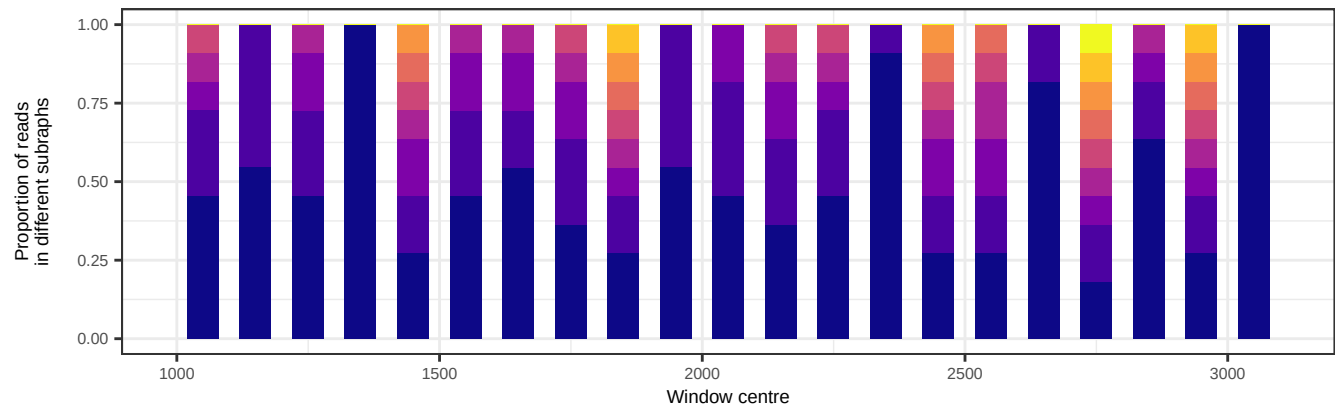
BB44


Tip or read count
11.050
11.025
11.000
10.975
10.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

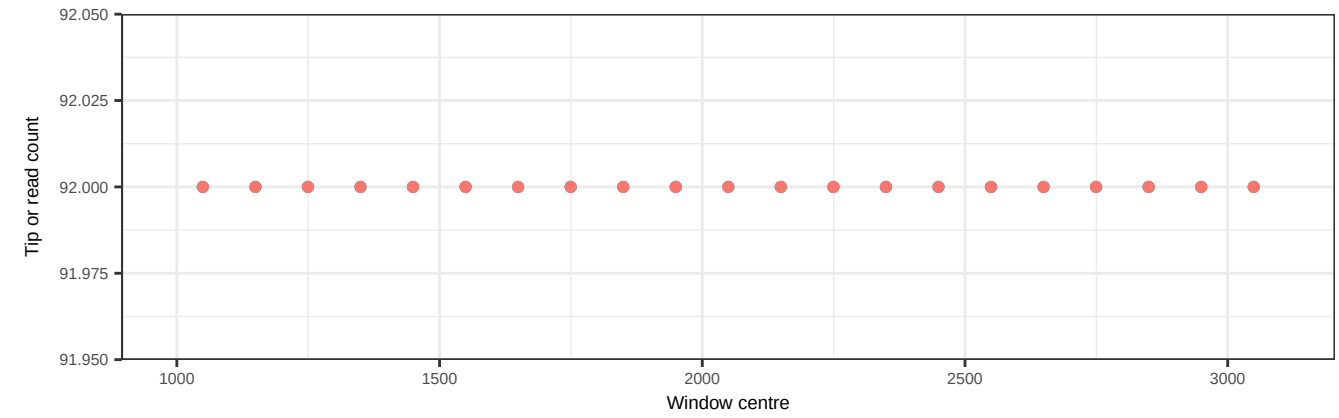

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

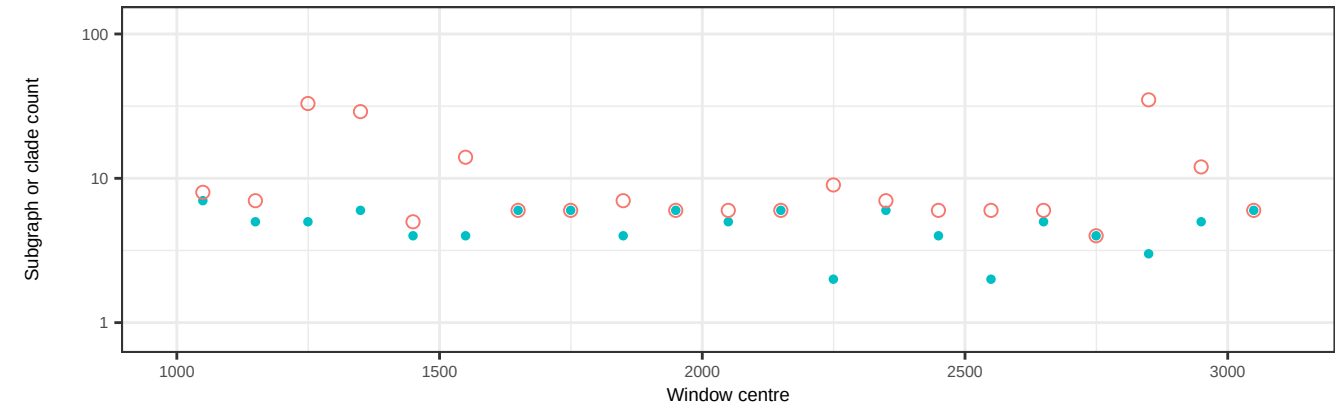

Mean root−to−tip−distance
(read−weighted)
0.075
0.050
0.025
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

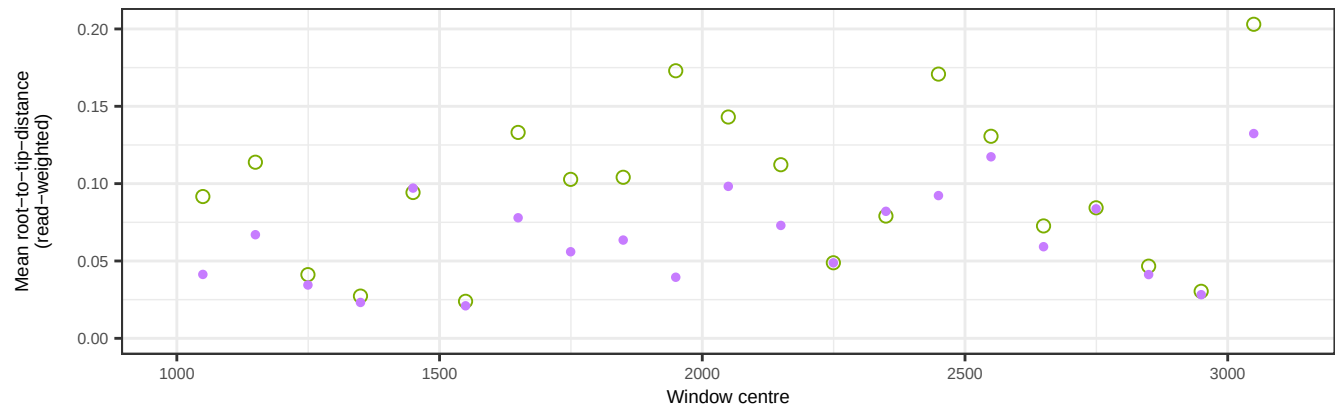

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

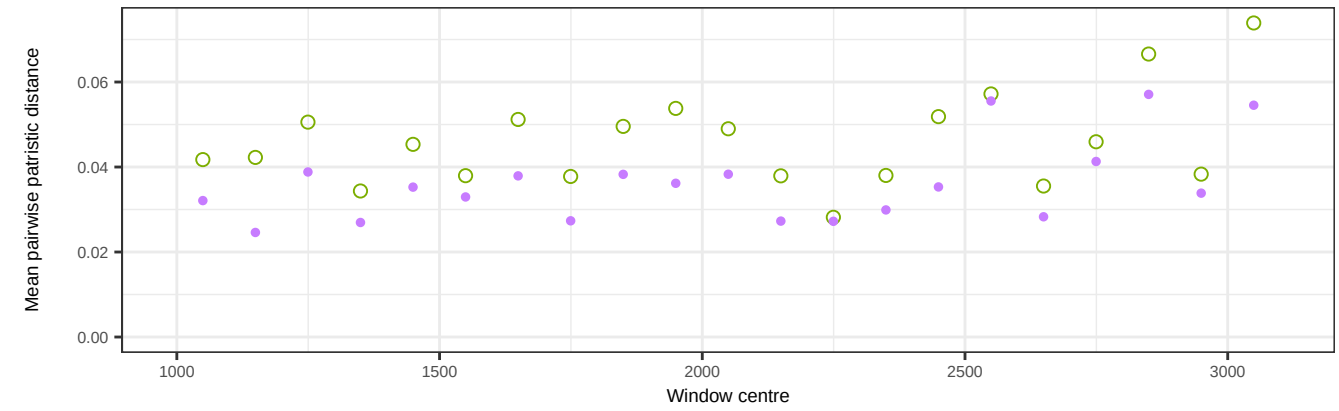

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
9
8
7
6
5
4
3
2
1

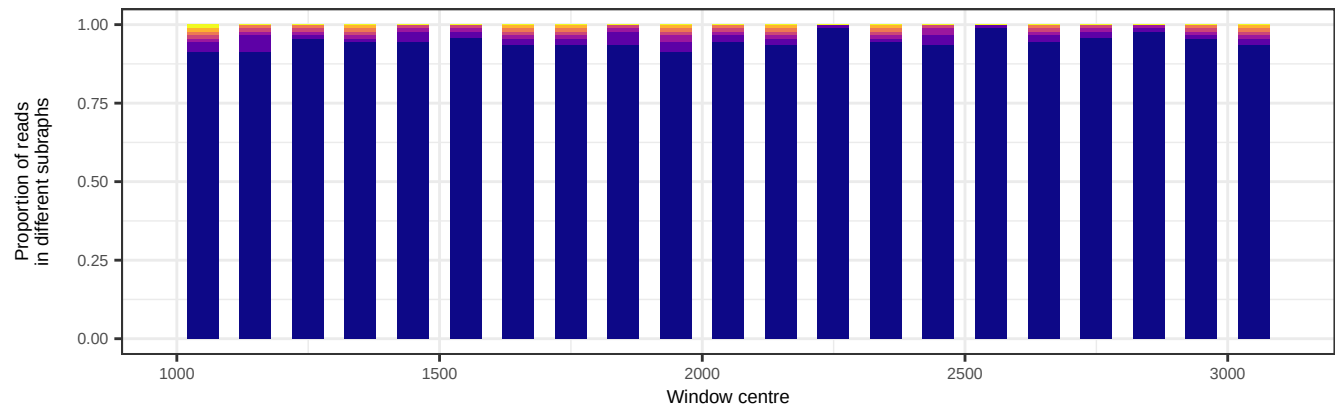
BB45


Tip or read count
92.050
92.025
92.000
91.975
91.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

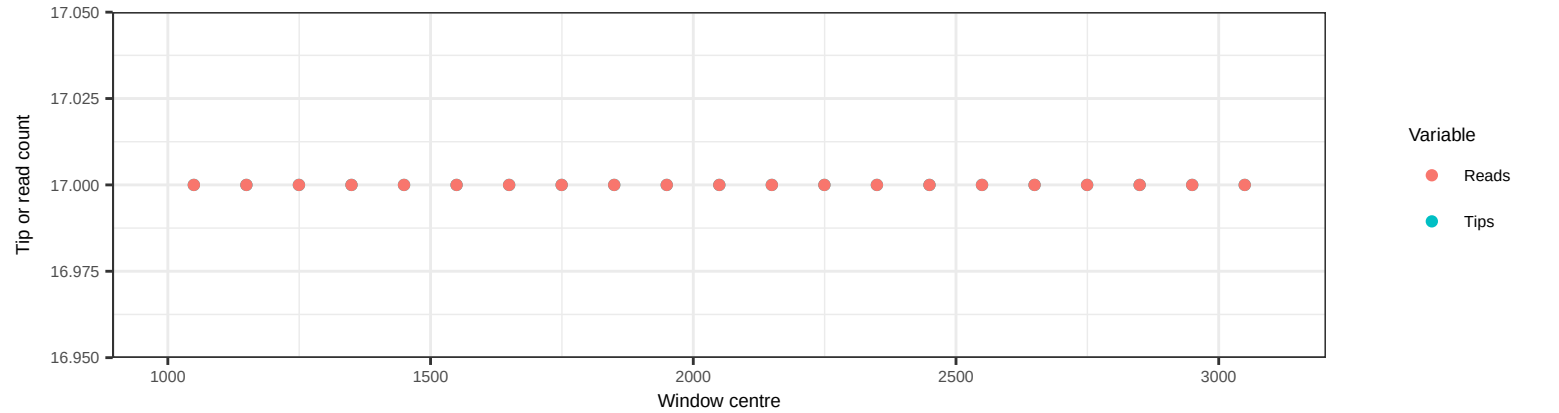

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

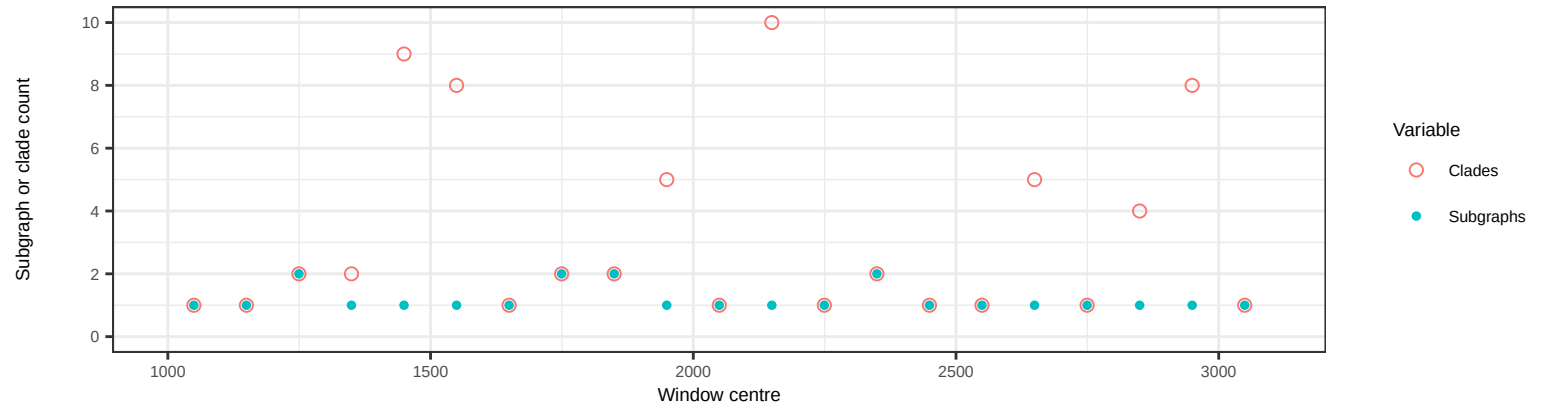

Mean root−to−tip−distance
(read−weighted)
0.20
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

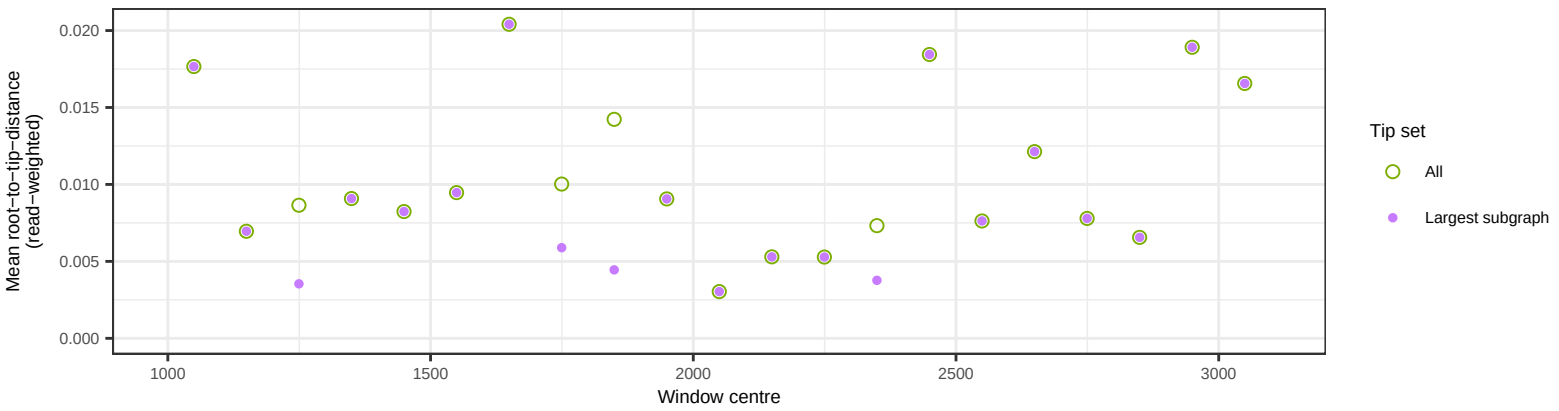

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

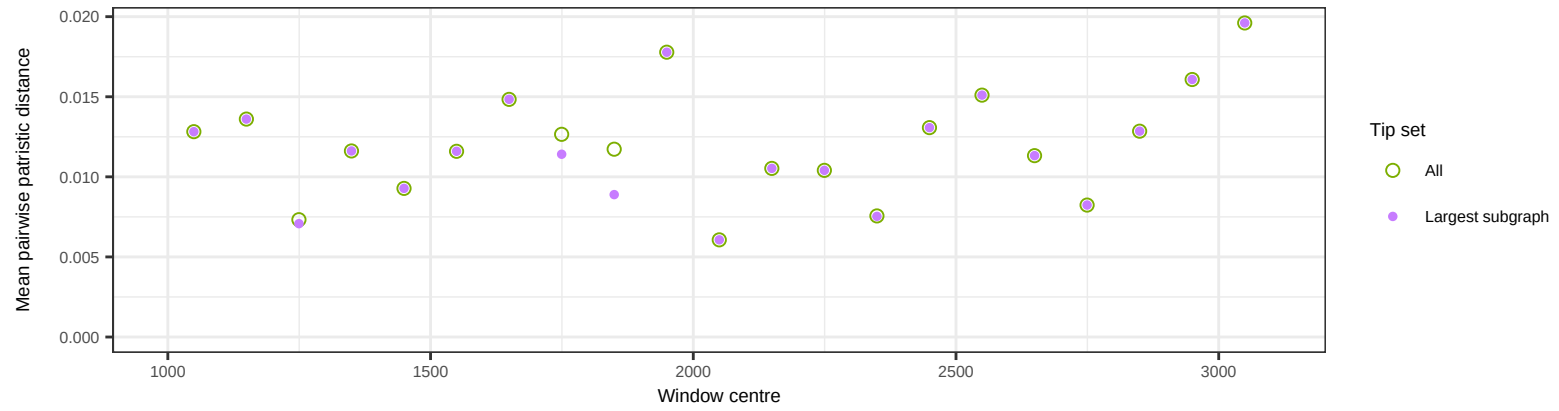

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

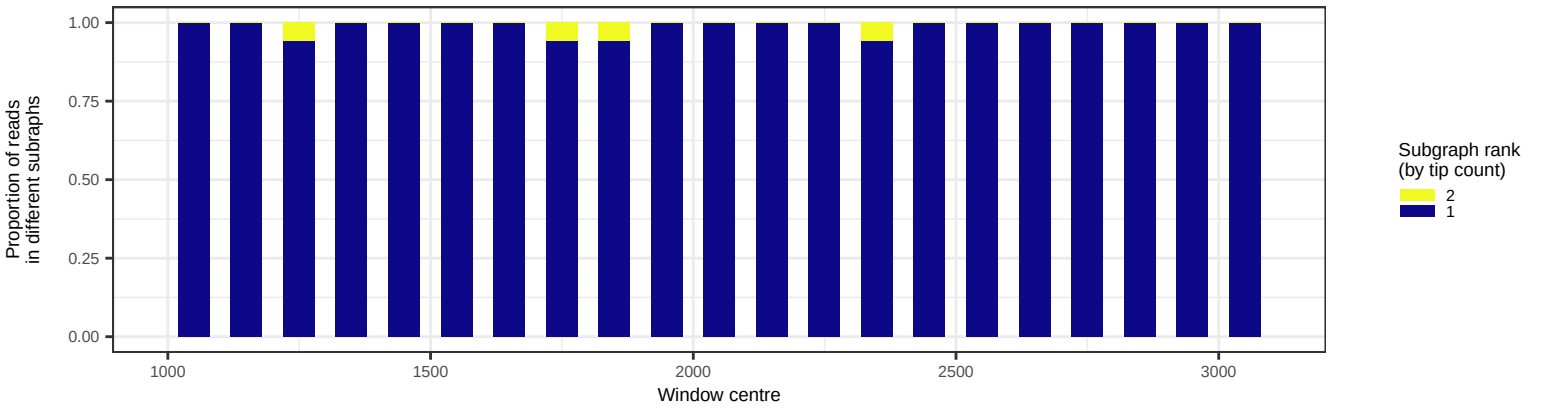
BC30


Tip or read count
17.050
17.025
17.000
16.975
16.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

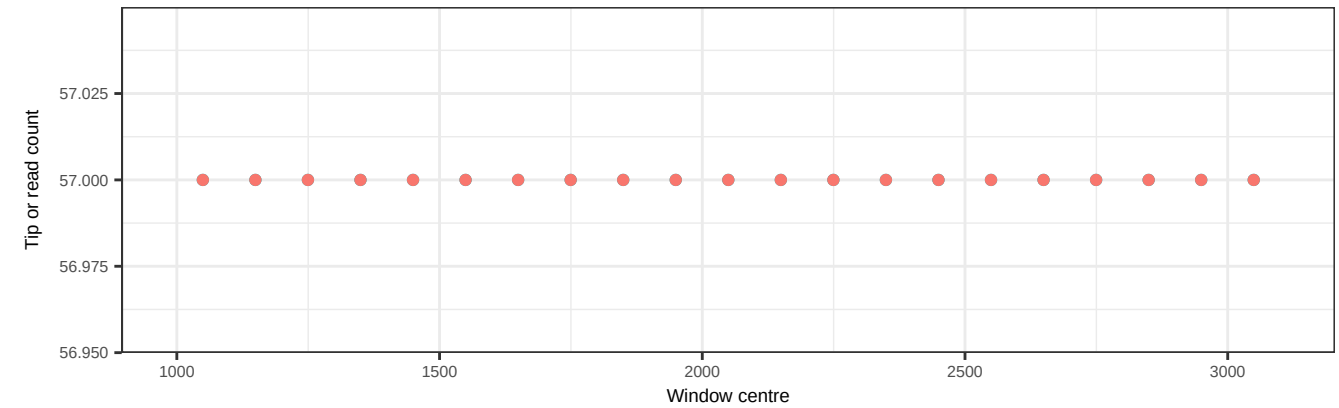

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

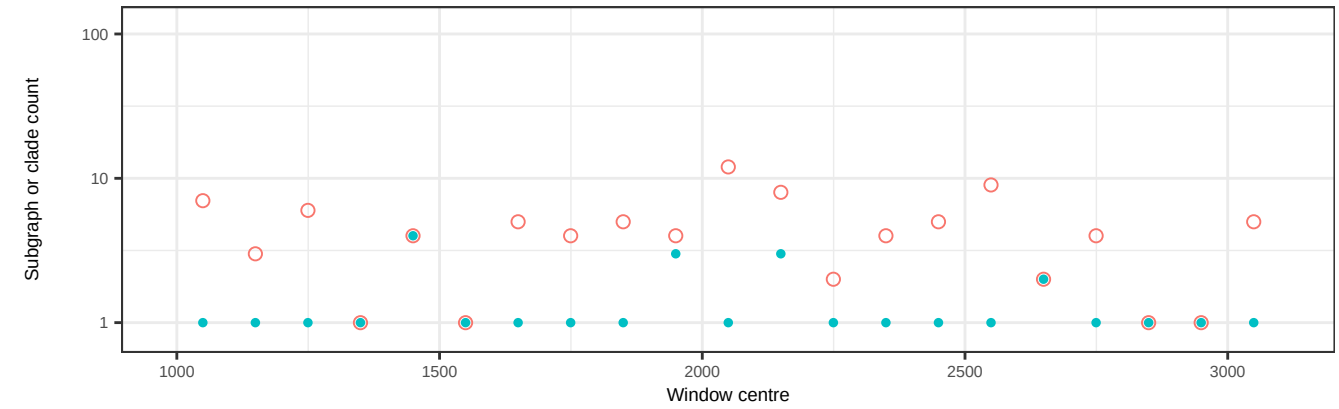

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

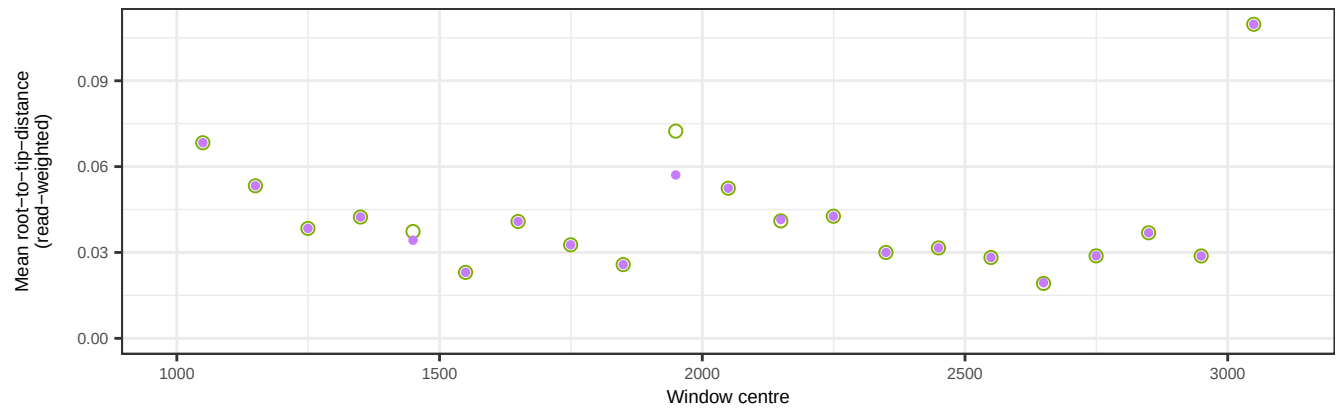

Mean pairwise patristic distance
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

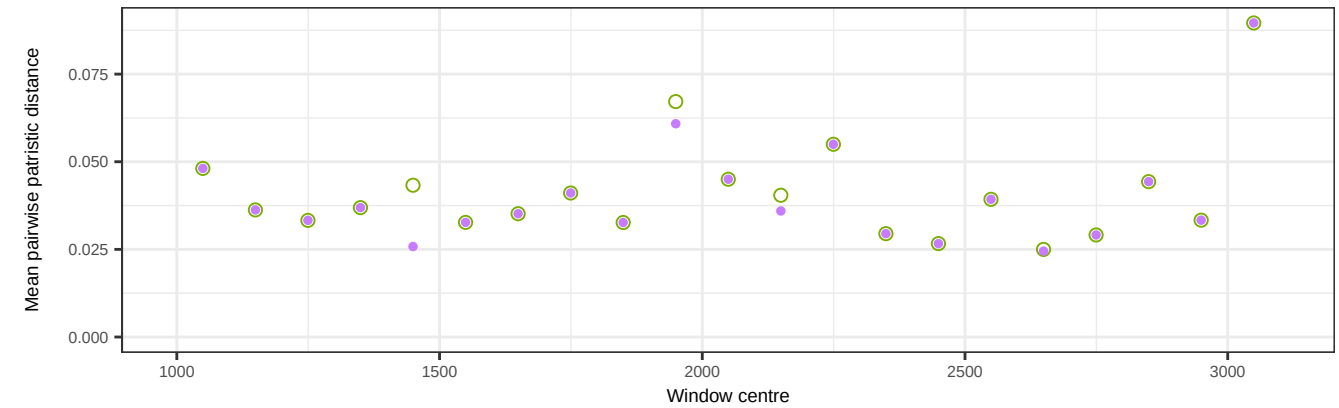

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
2
1

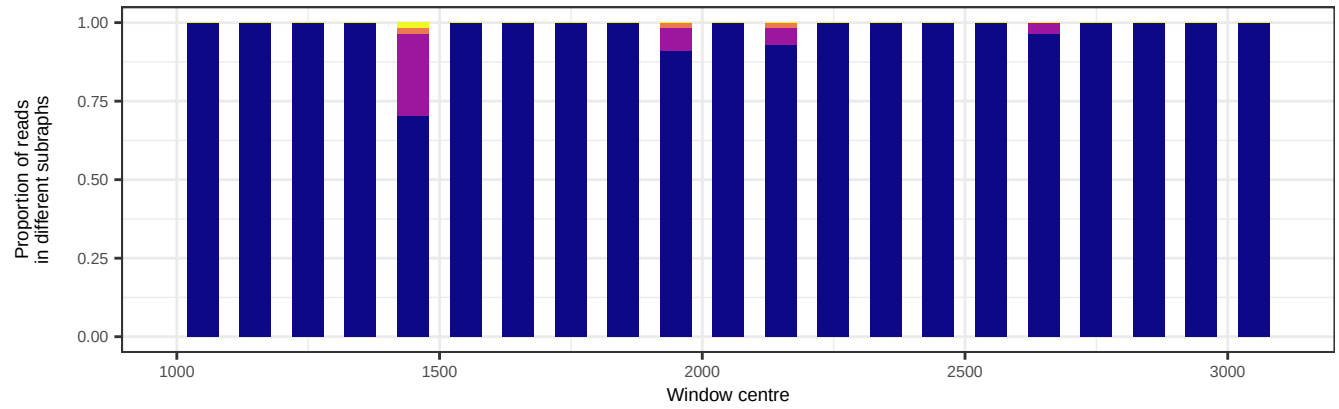
BC46


Tip or read count
57.025
57.000
56.975
56.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

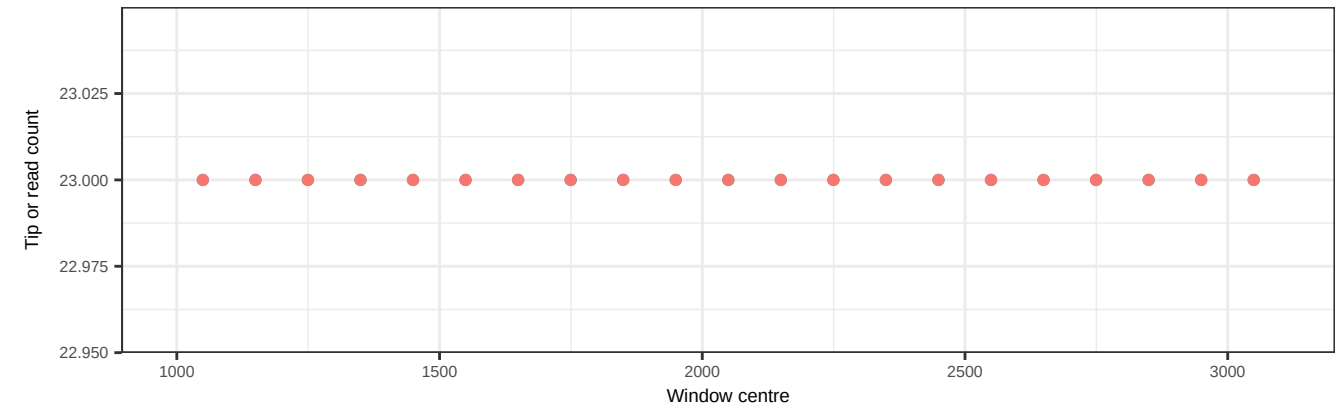

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

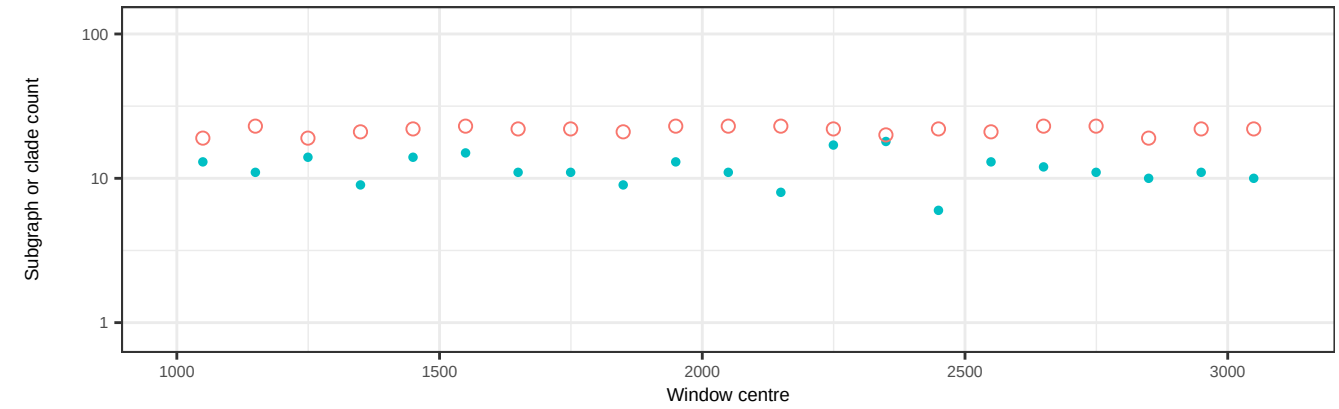

Mean root−to−tip−distance
(read−weighted)
0.09
0.06
0.03
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

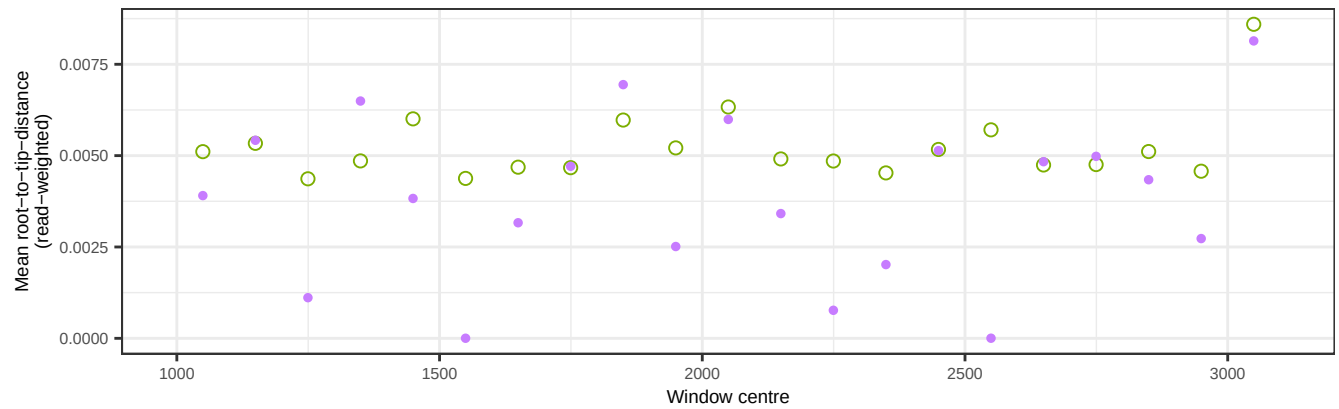

Mean pairwise patristic distance
0.075
0.050
0.025
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

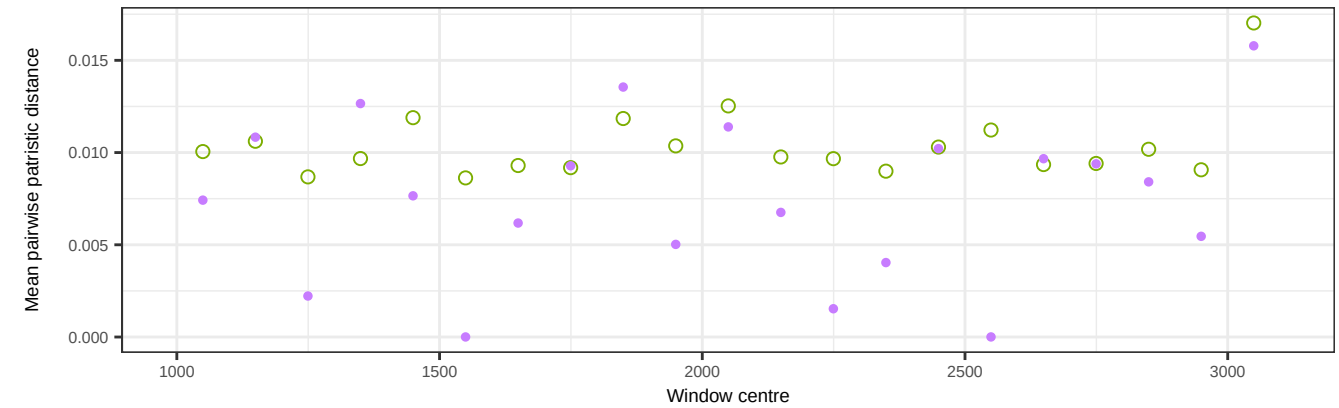

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
4
3
2
1

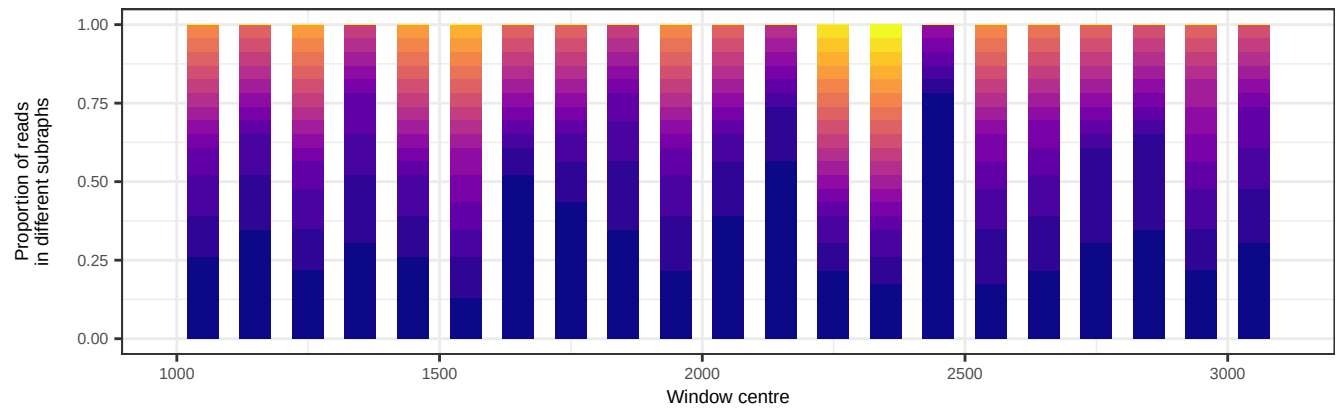
BD002


Tip or read count
23.025
23.000
22.975
22.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

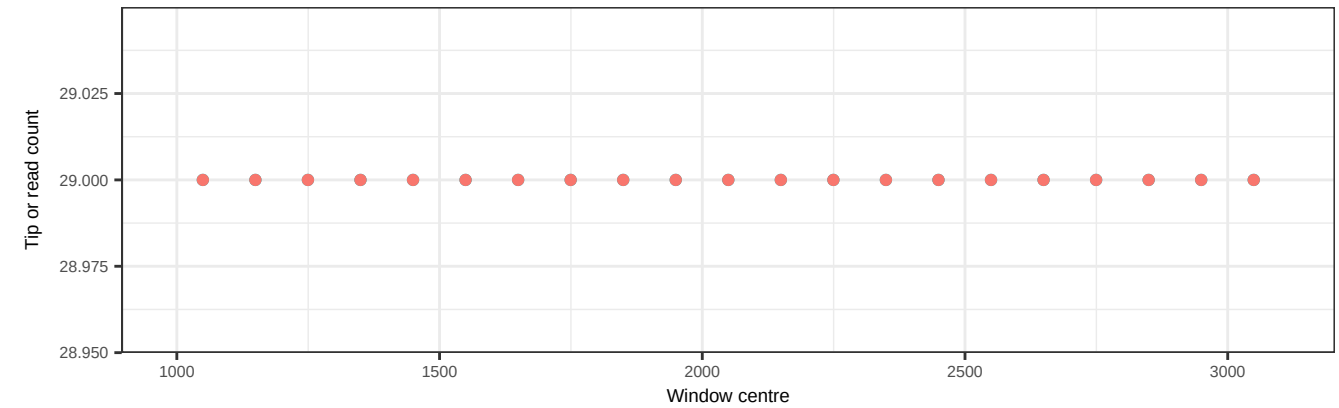

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

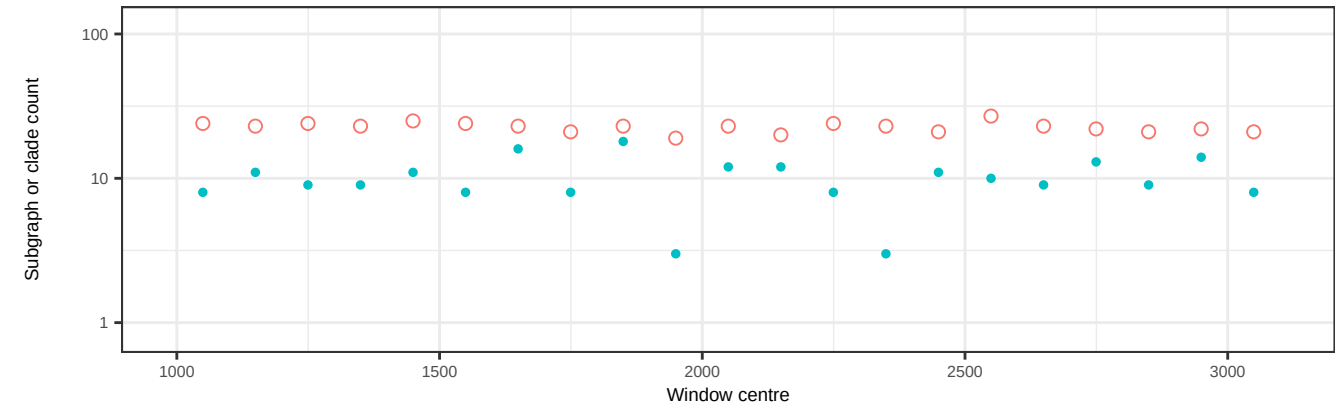

Mean root−to−tip−distance
(read−weighted)
0.0075
0.0050
0.0025
0.0000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

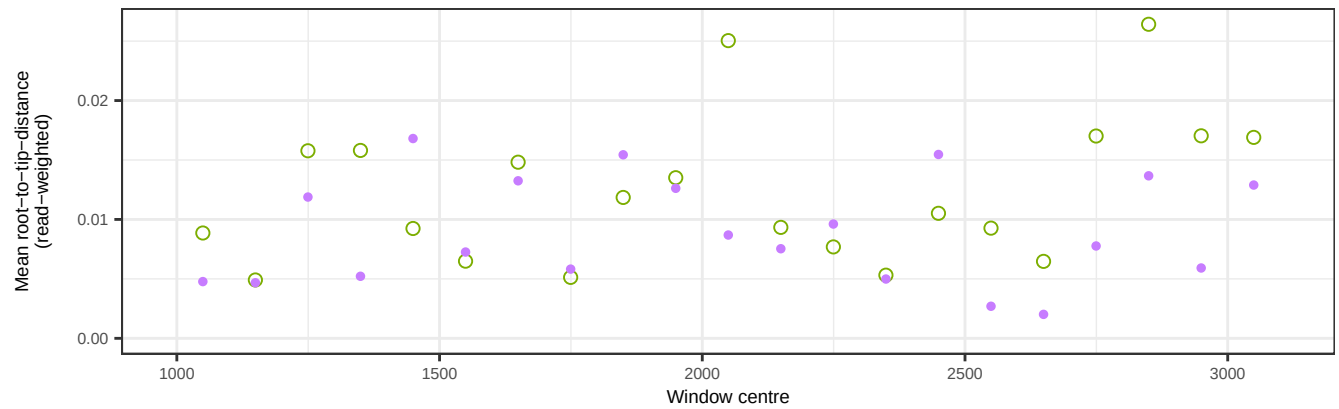

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

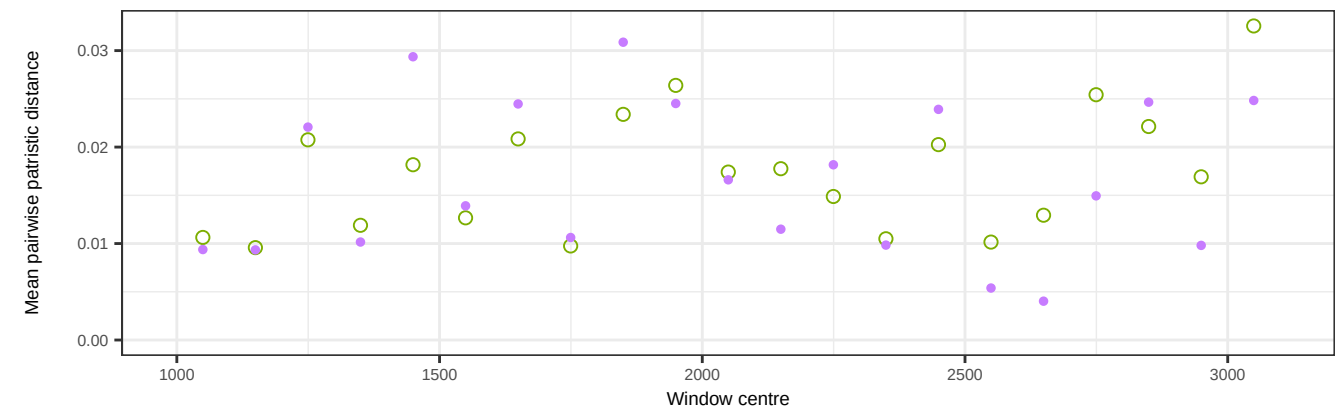

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

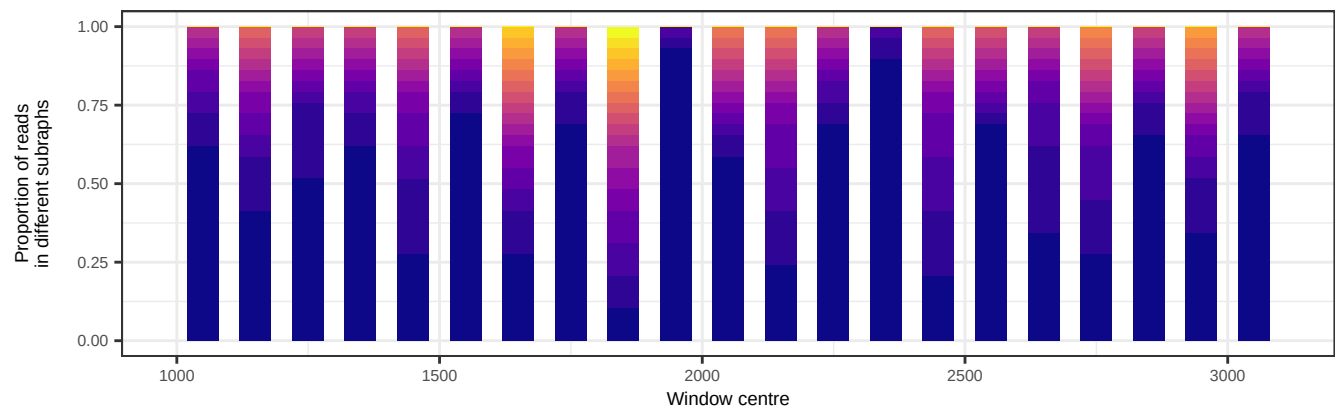
BD003


Tip or read count
29.025
29.000
28.975
28.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

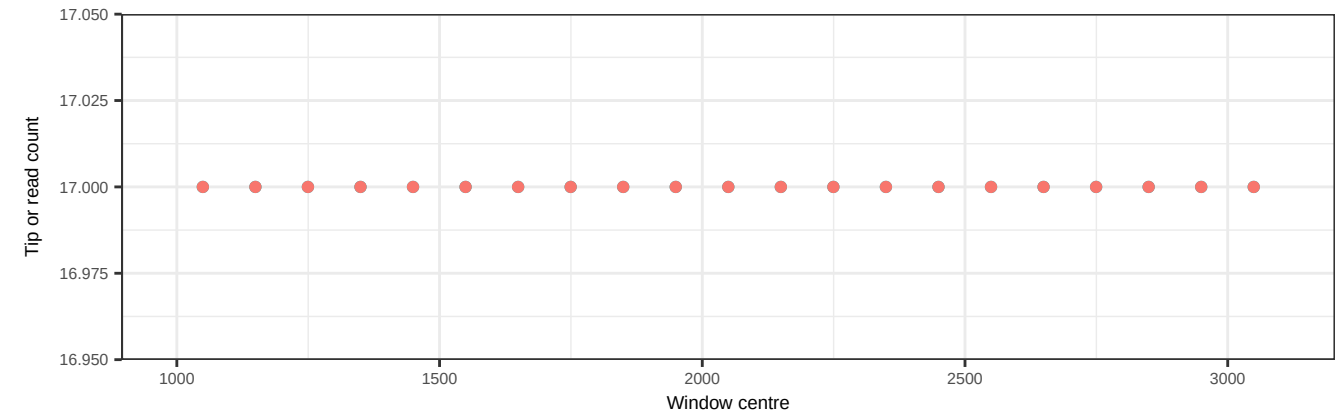

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

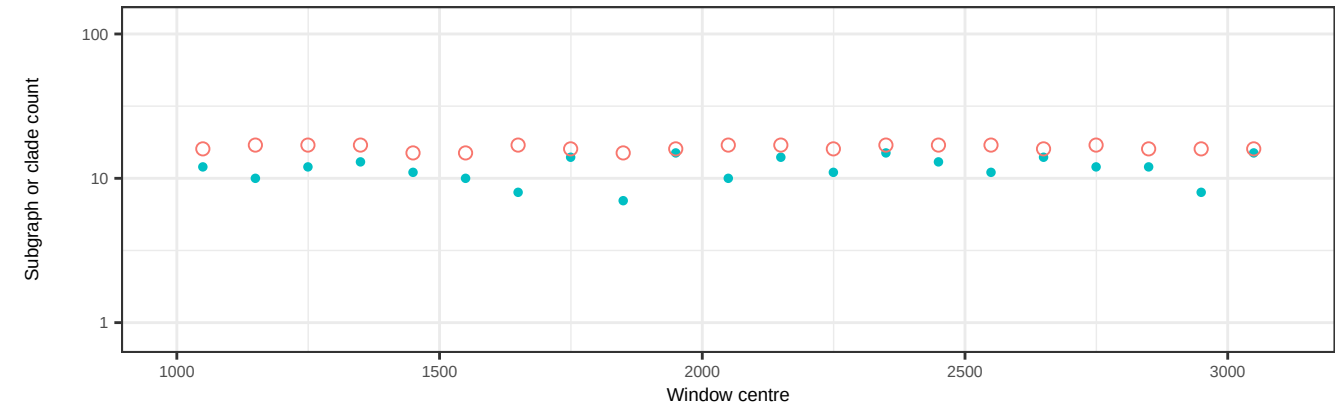

Mean root−to−tip−distance
(read−weighted)
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

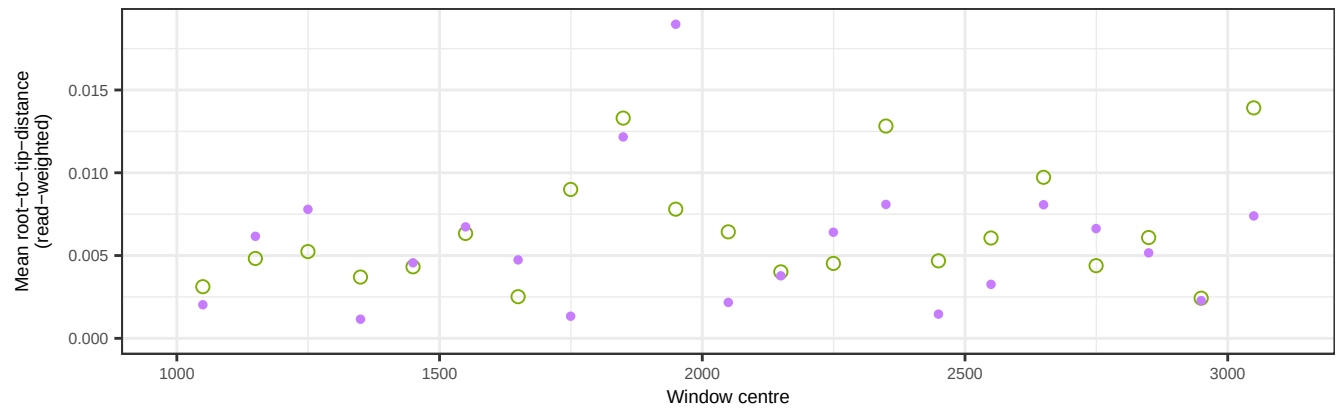

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

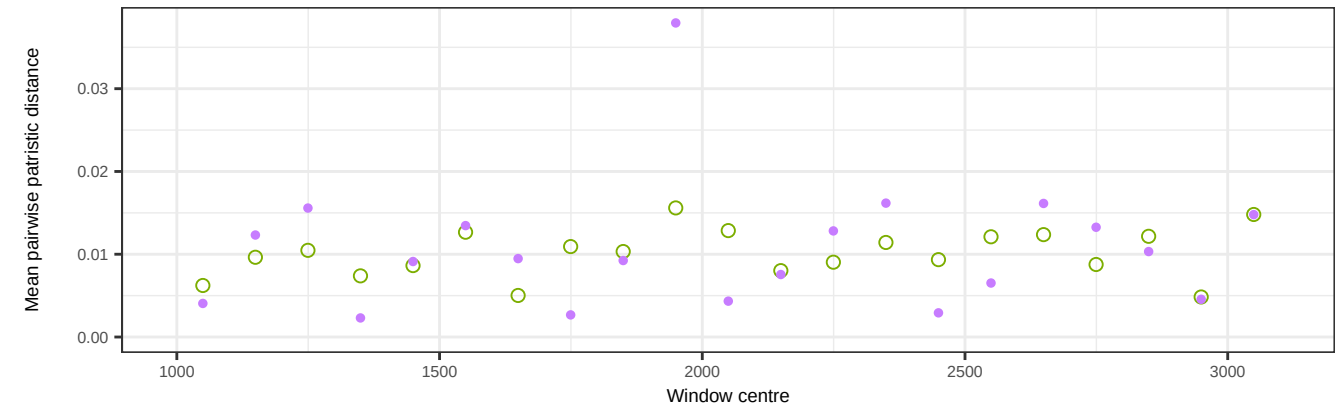

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

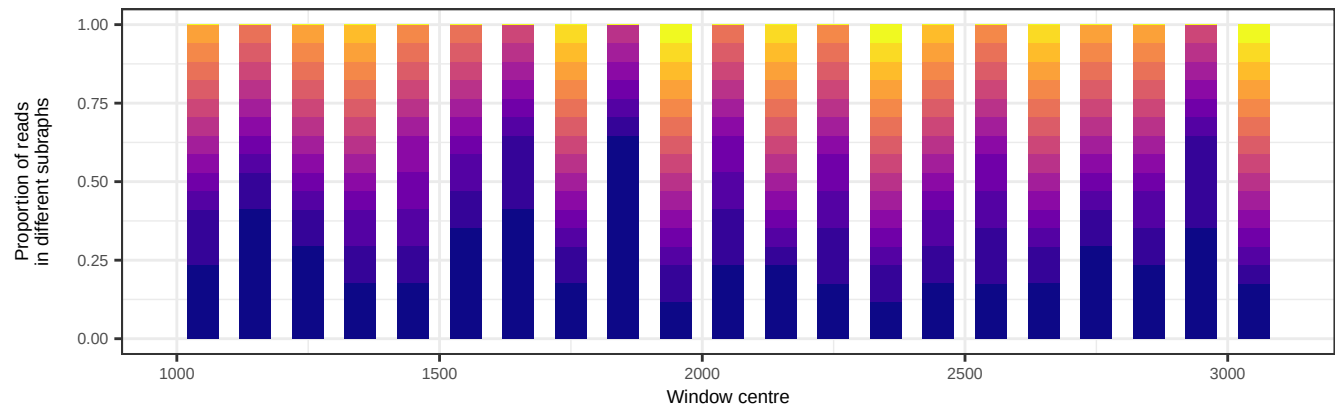
BD004


Tip or read count
17.050
17.025
17.000
16.975
16.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

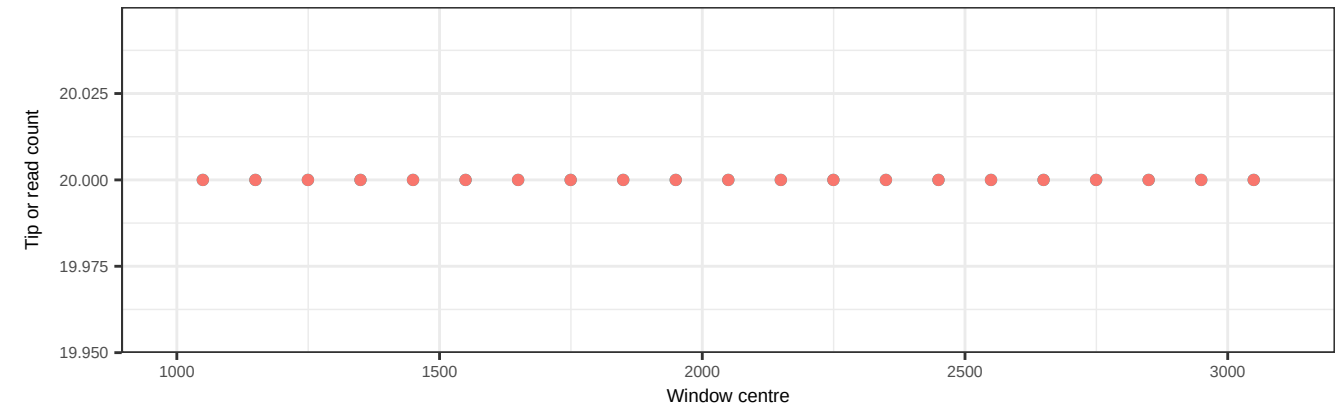

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

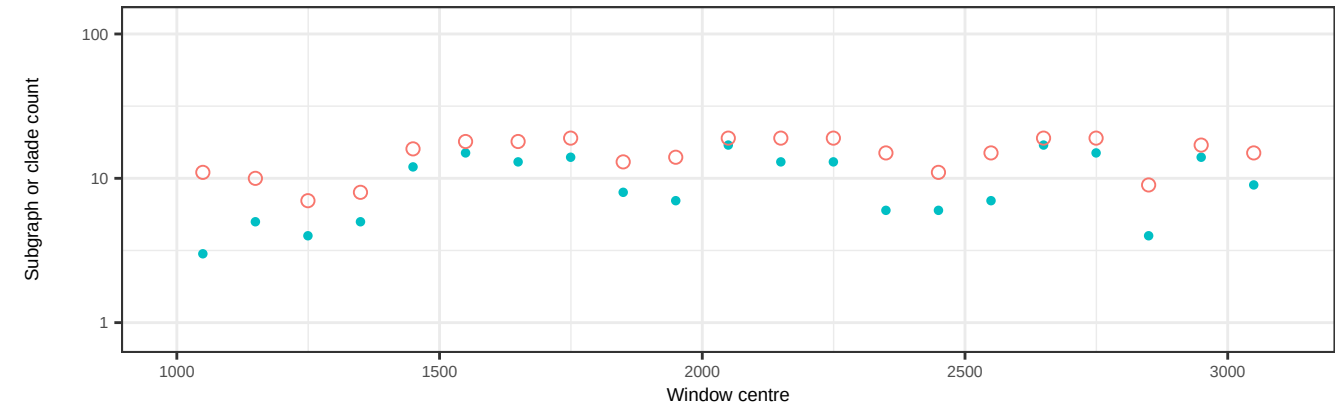

Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

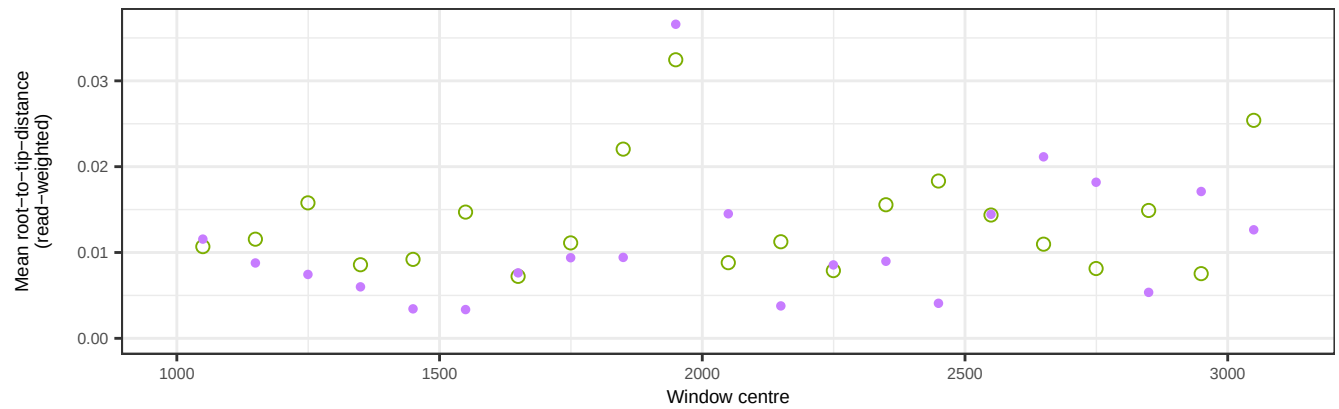

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

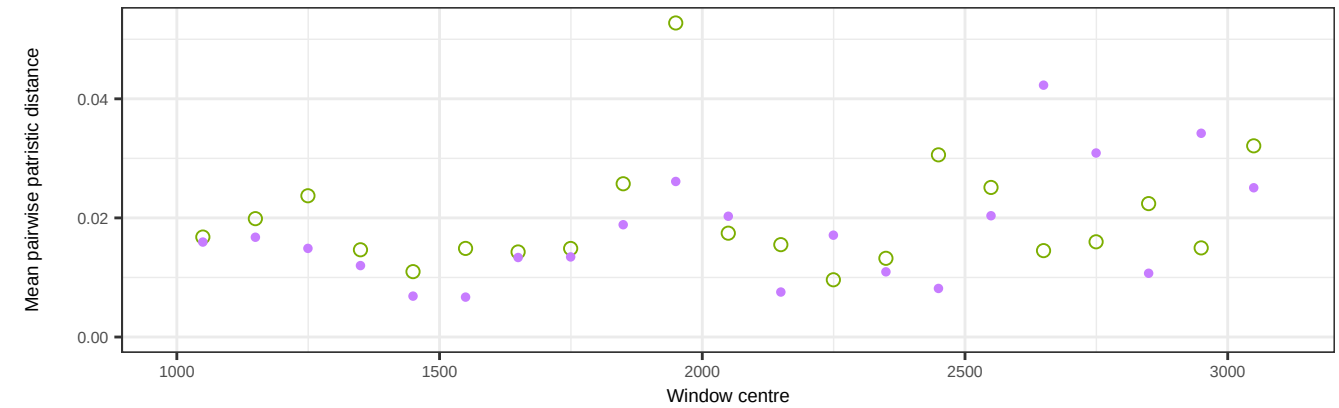

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

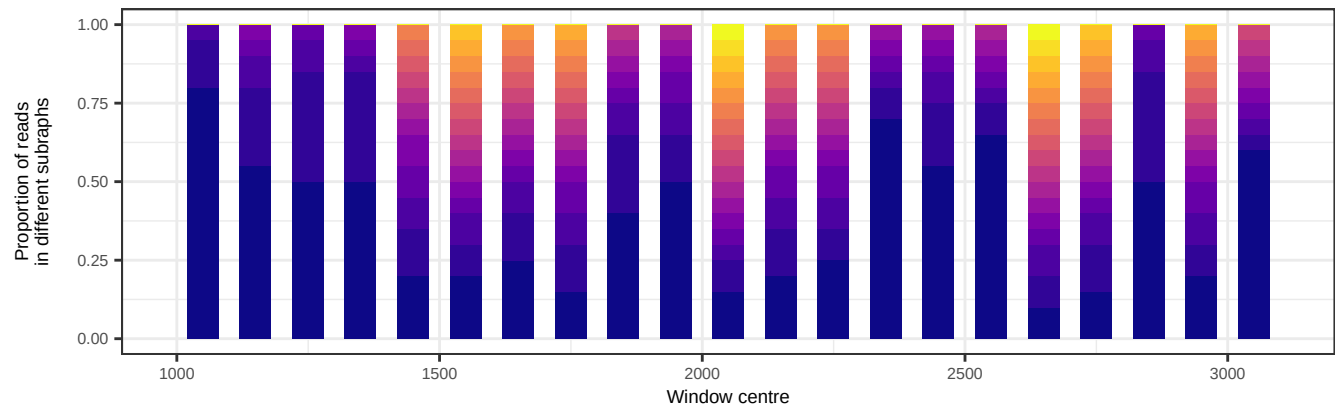
BD005


Tip or read count
20.025
20.000
19.975
19.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

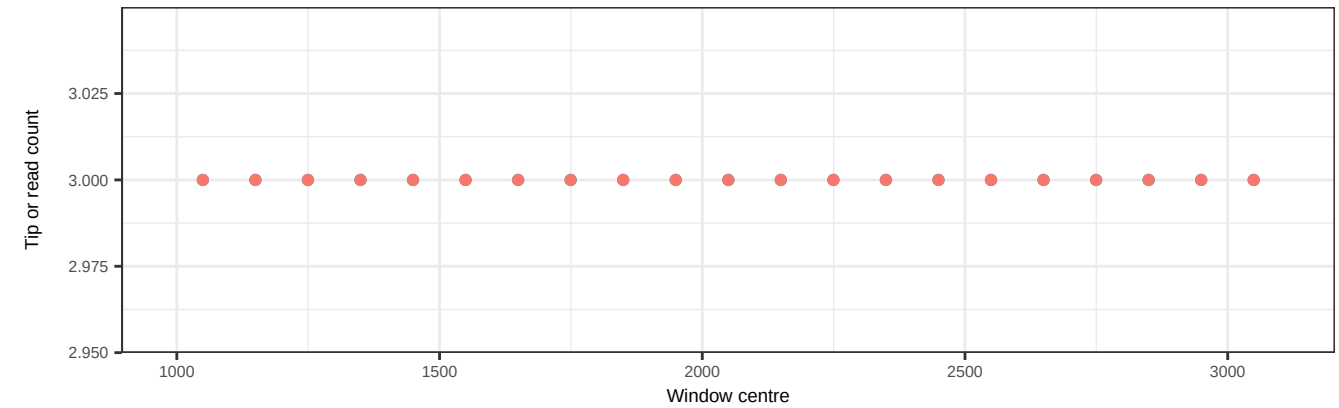

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

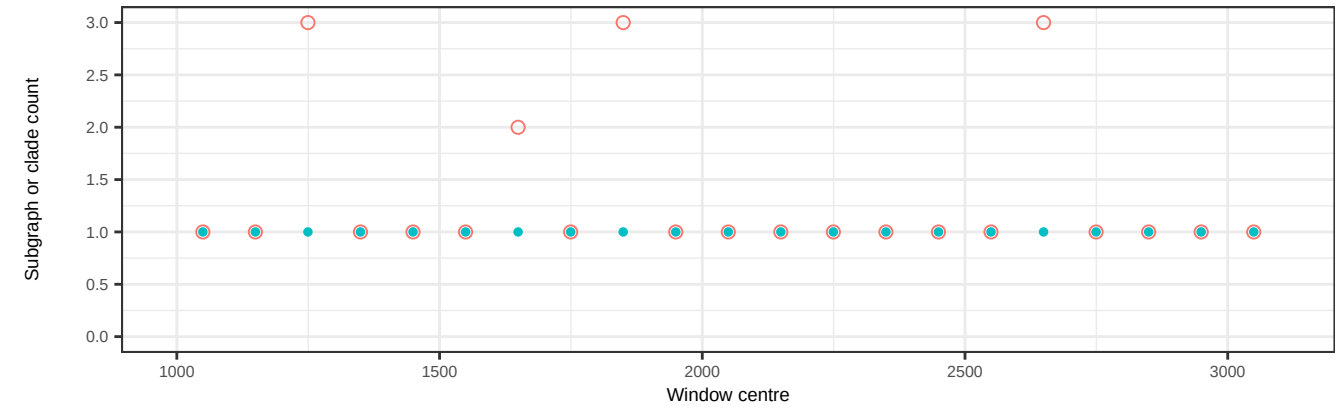

Mean root−to−tip−distance
(read−weighted)
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

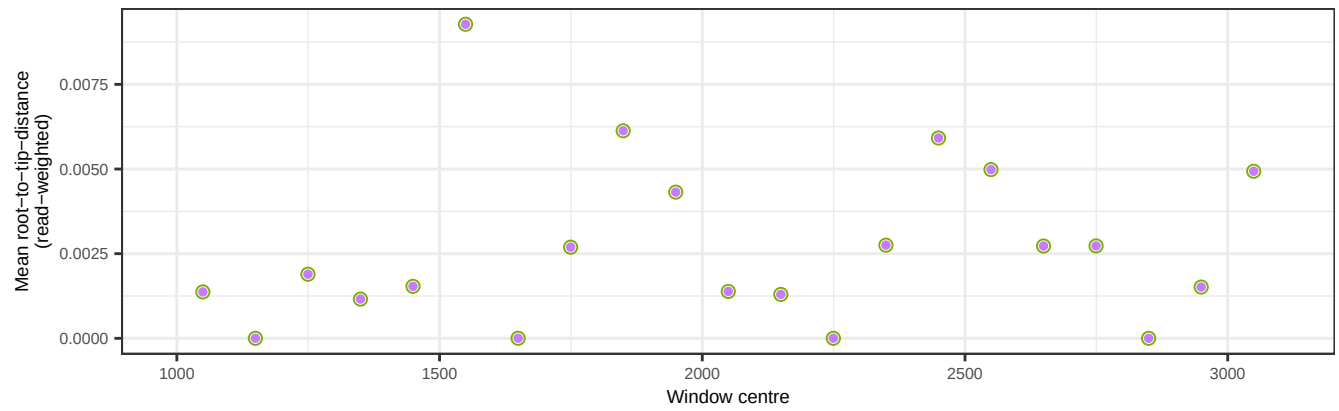

Mean pairwise patristic distance
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

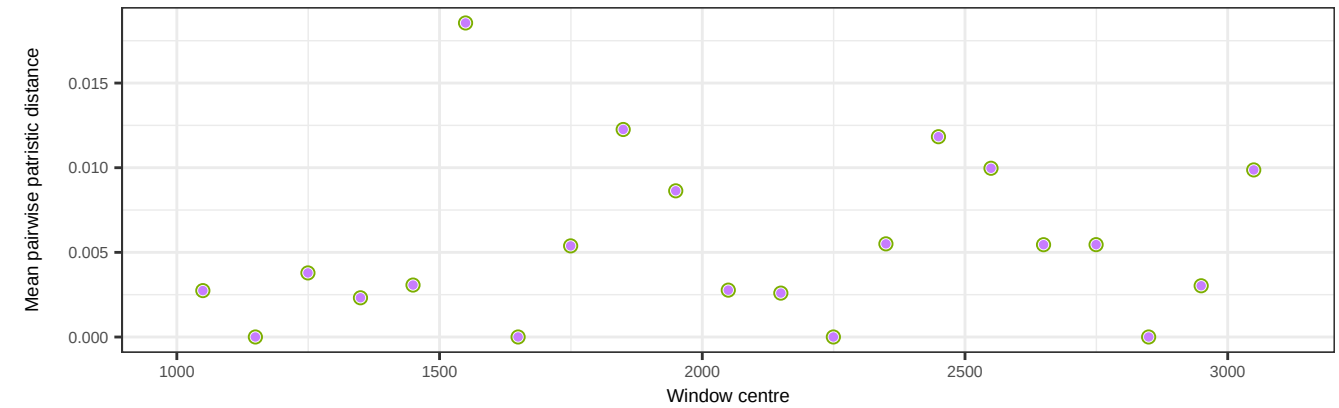

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

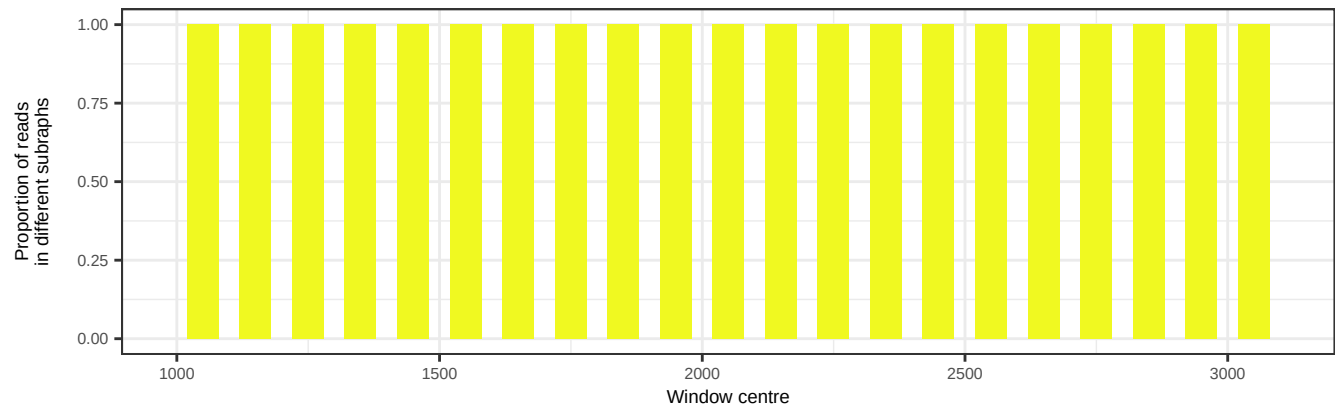
BE04


Tip or read count
3.025
3.000
2.975
2.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

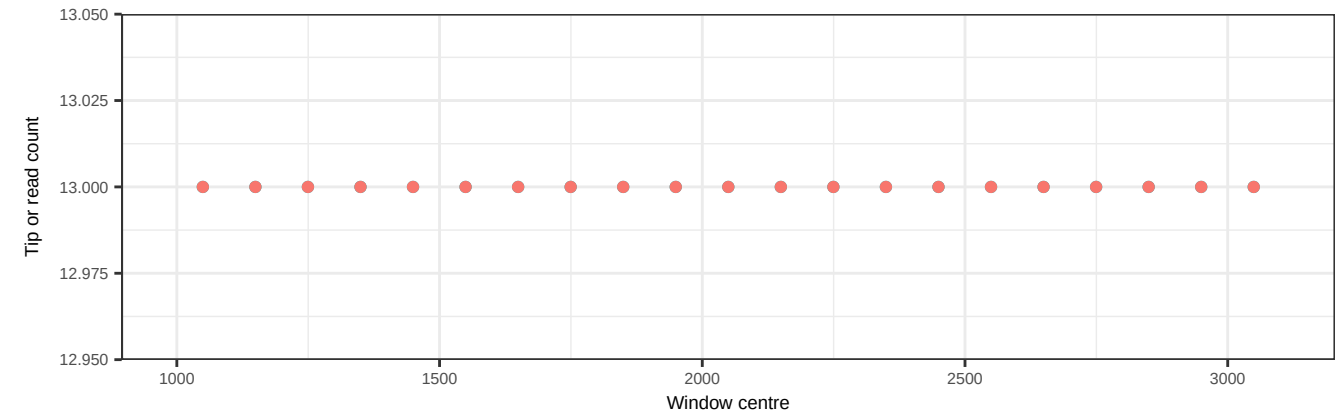

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

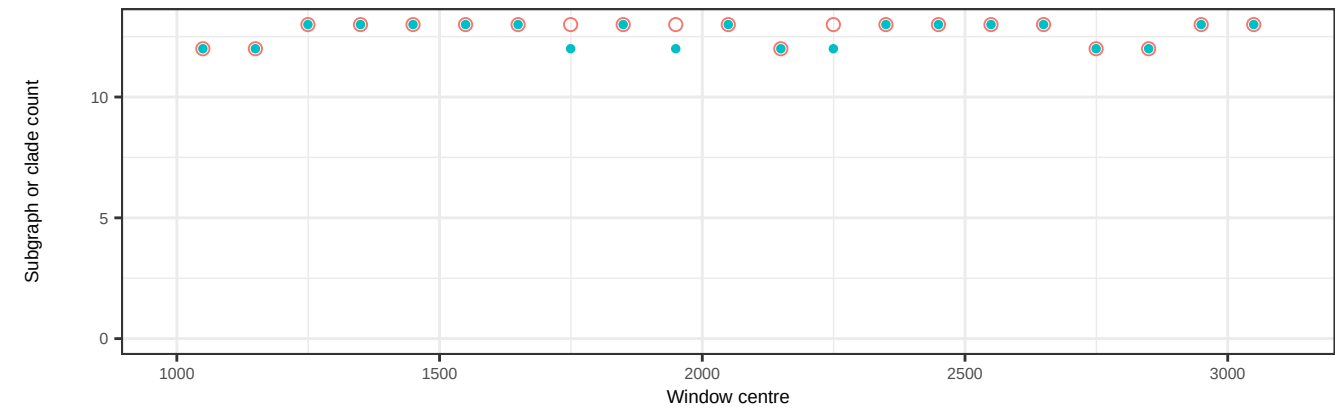

Mean root−to−tip−distance
(read−weighted)
0.0075
0.0050
0.0025
0.0000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

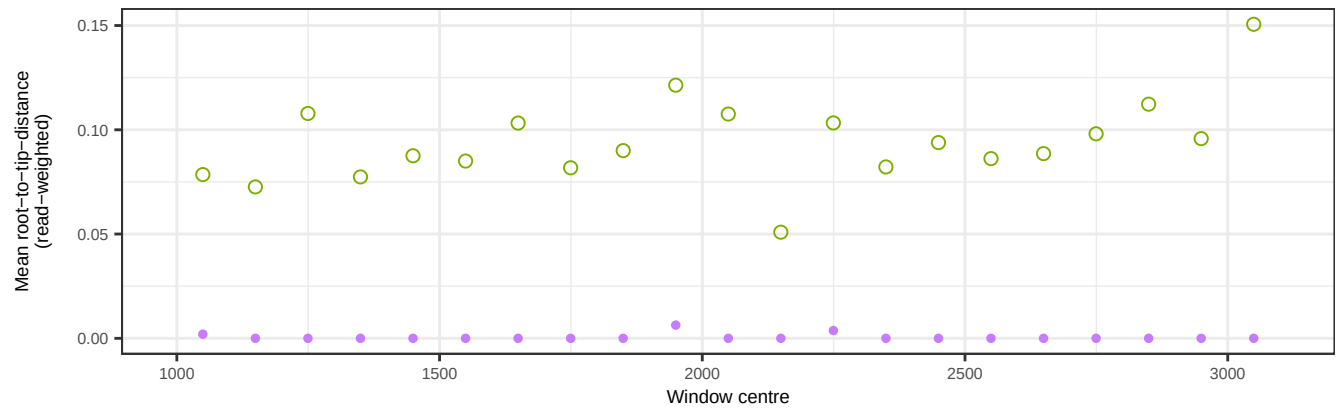

Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

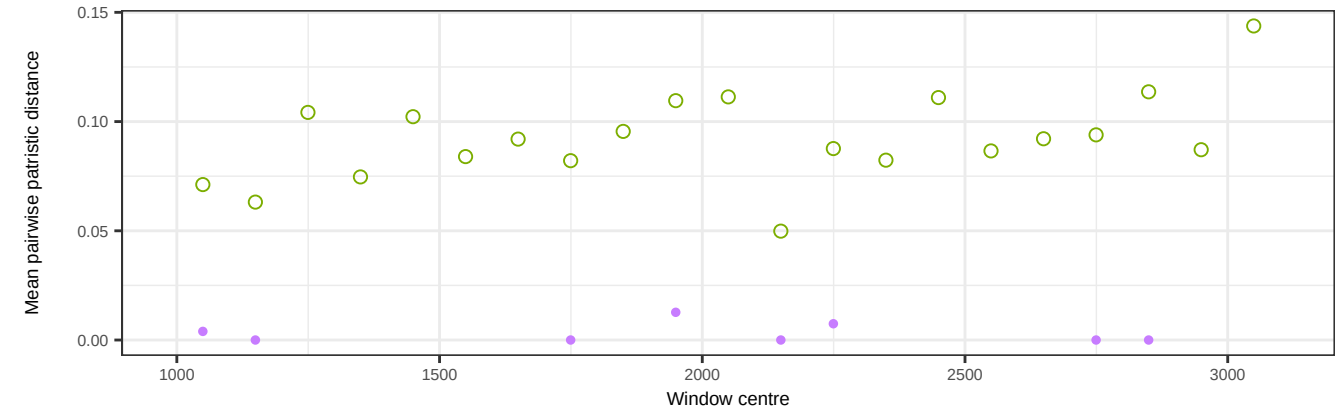

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
1

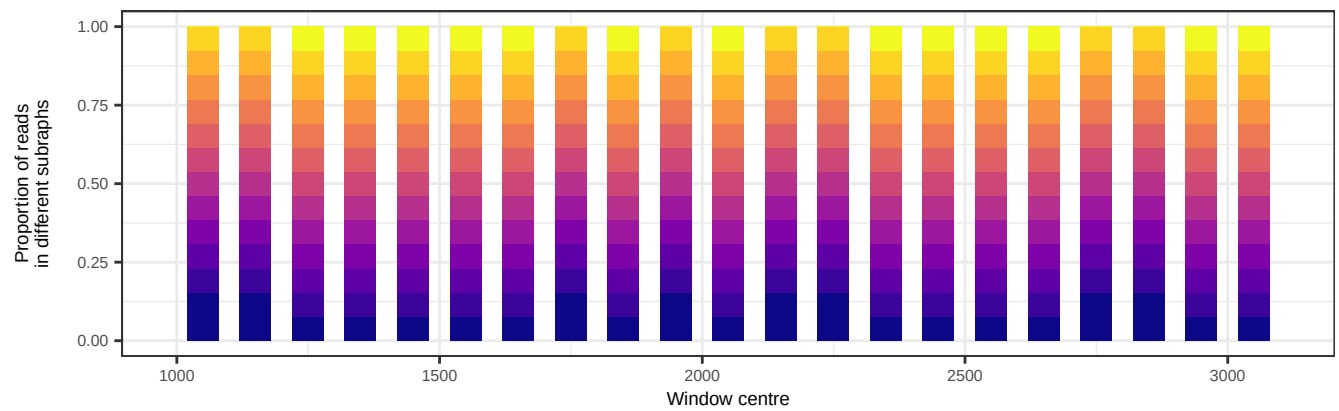
BE24


Tip or read count
13.050
13.025
13.000
12.975
12.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

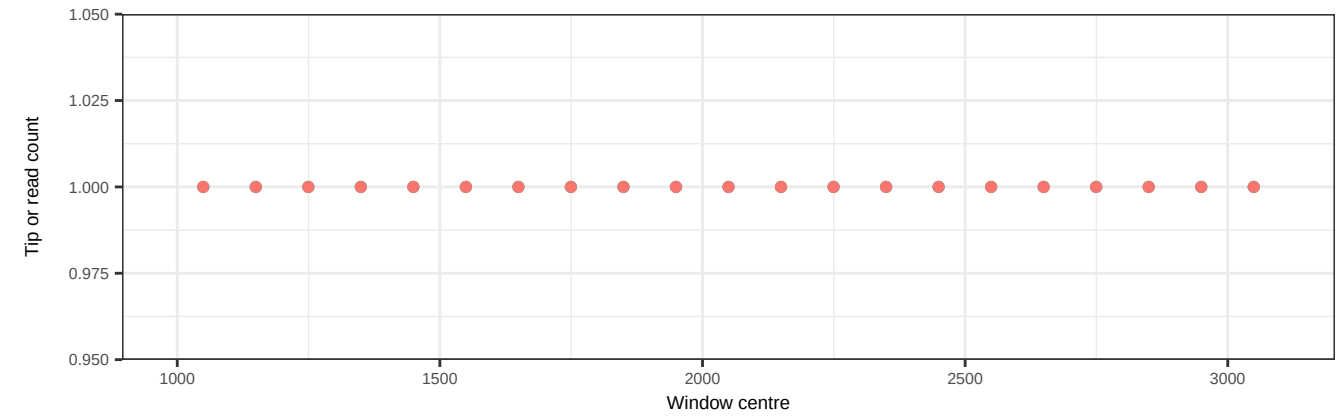

Subgraph or clade count
10
5
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

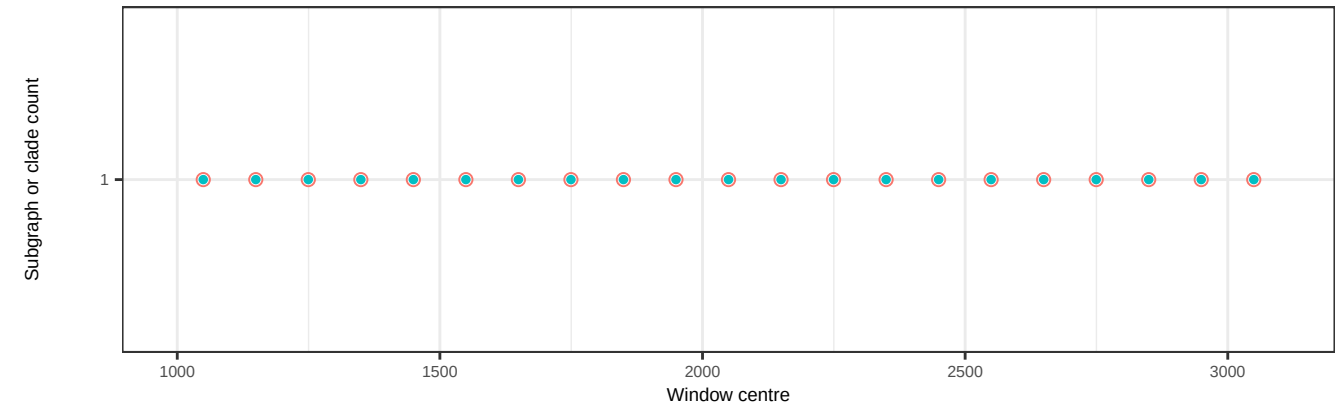

Mean root−to−tip−distance
(read−weighted)
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

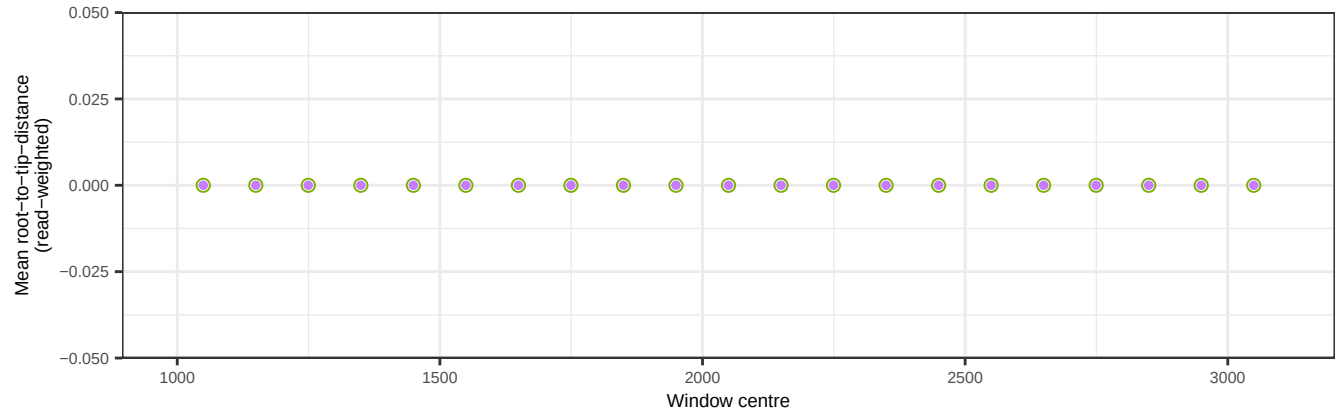

Mean pairwise patristic distance
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

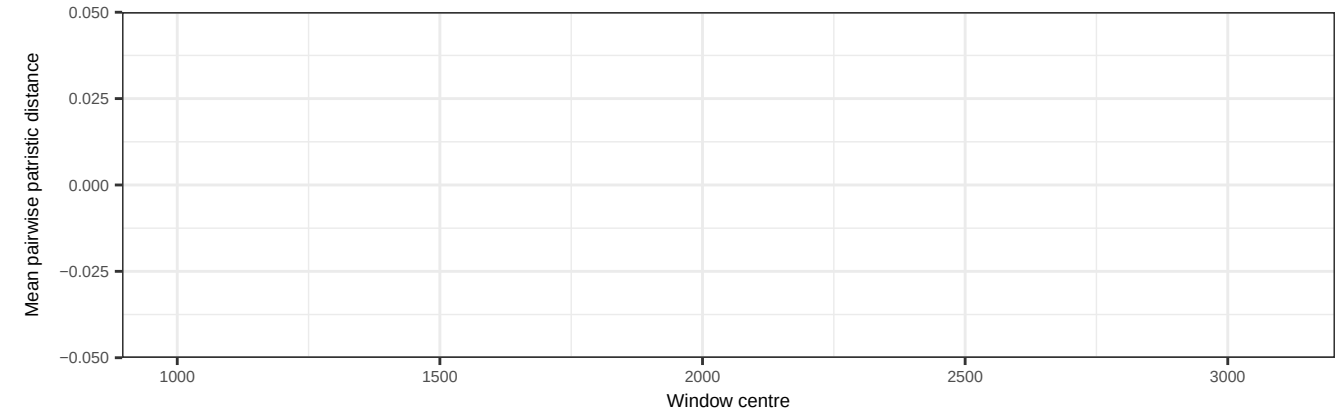

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
13
12
11
10
9
8
7
6
5
4
3
2
1

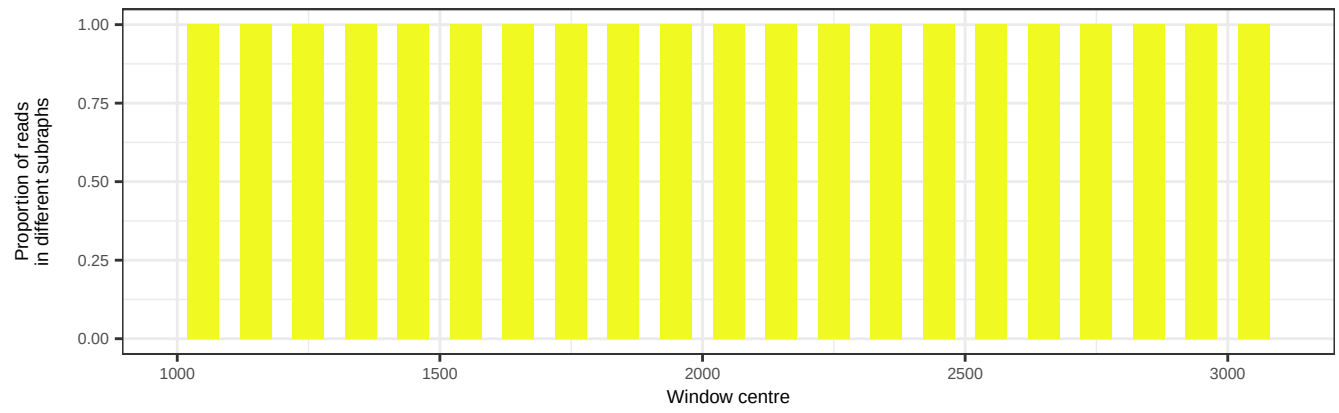
BEHCW


Tip or read count
1.050
1.025
1.000
0.975
0.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

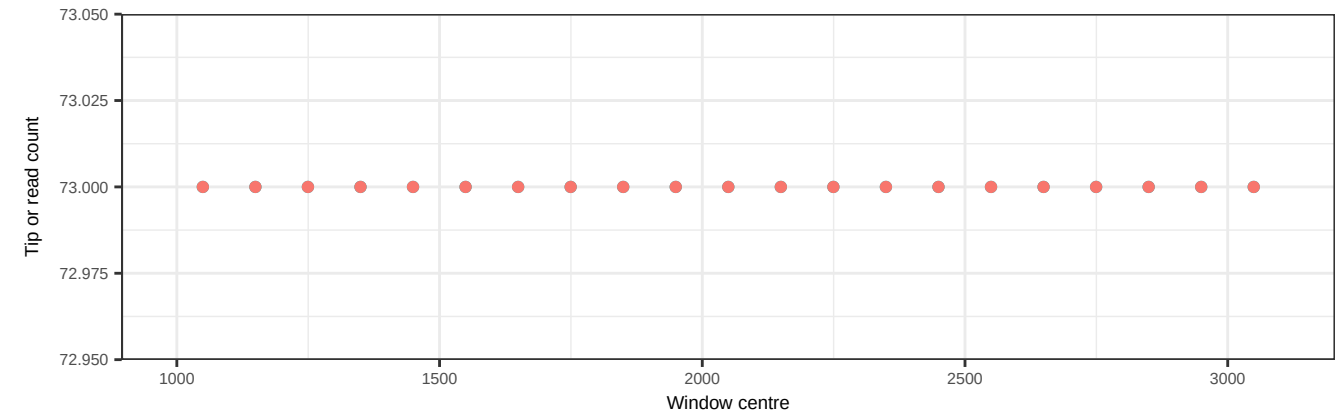

Subgraph or clade count
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

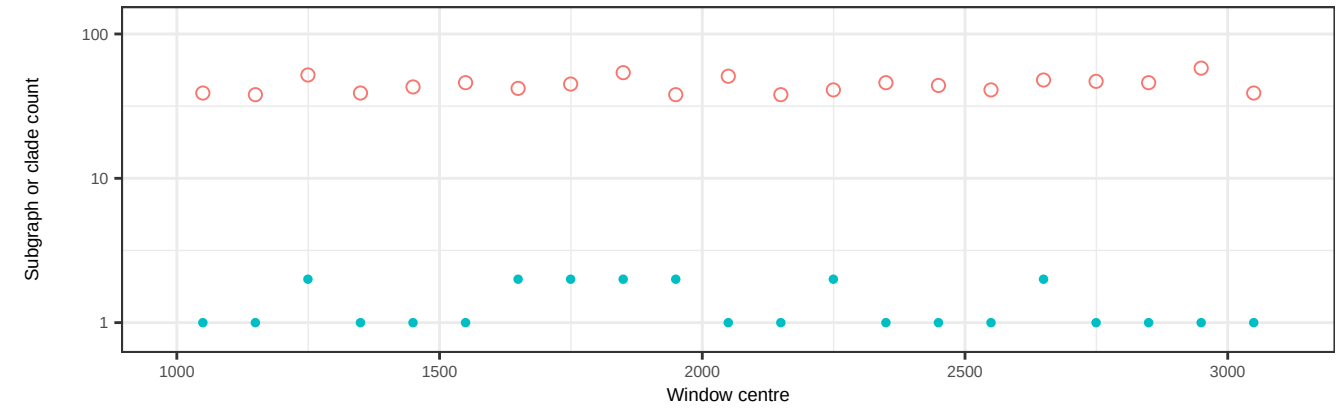

Mean root−to−tip−distance
(read−weighted)
0.050
0.025
0.000
−0.025
−0.050
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

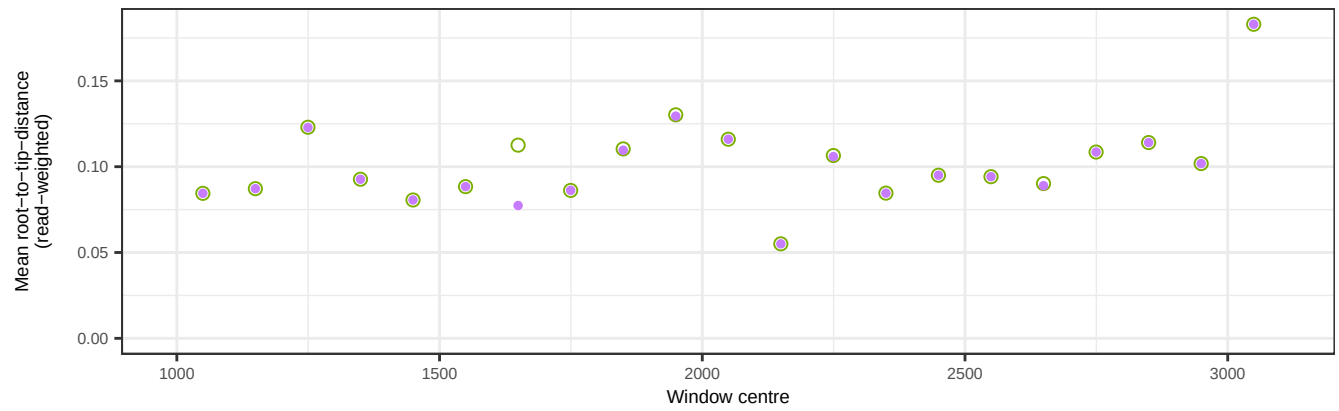

Mean pairwise patristic distance
0.050
0.025
0.000
−0.025
−0.050
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

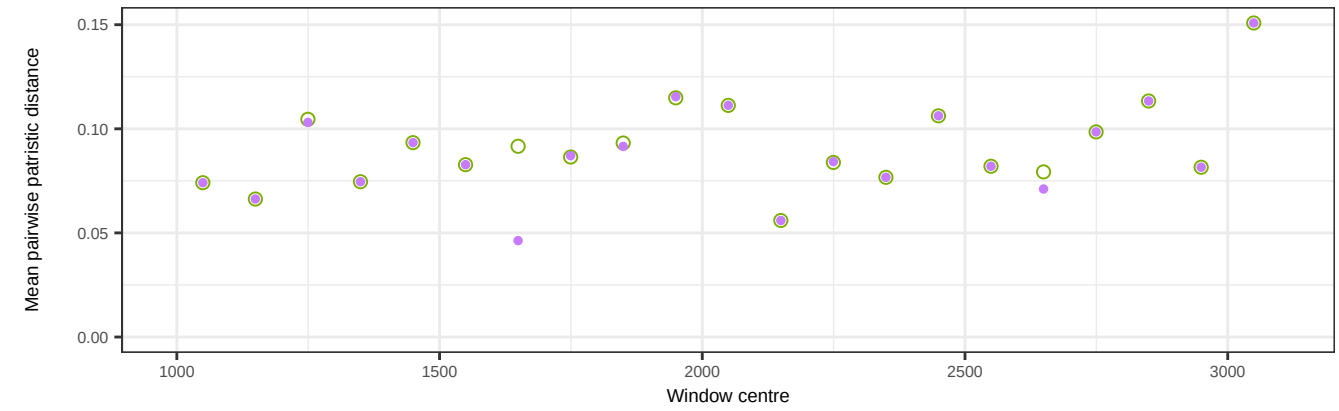

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
1

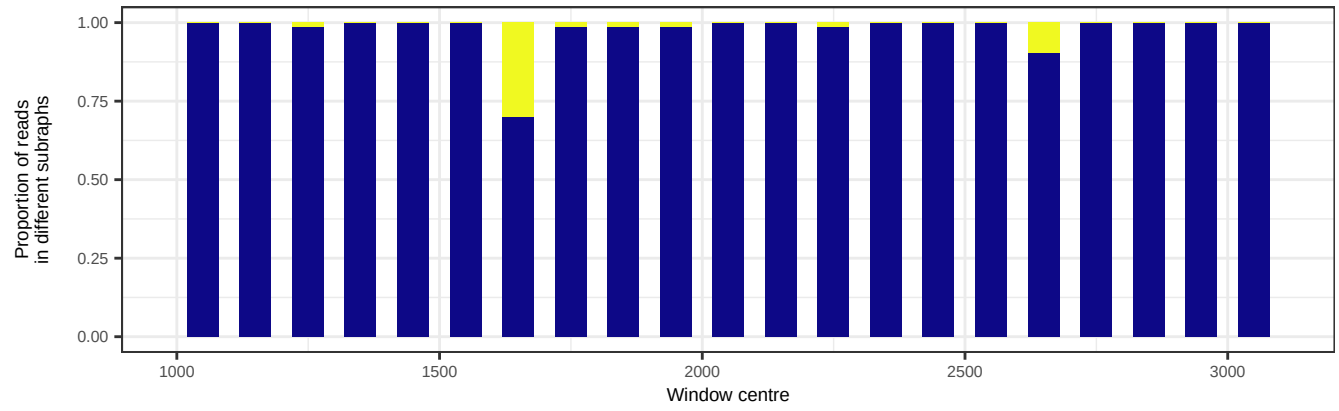
BEPA


Tip or read count
73.050
73.025
73.000
72.975
72.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

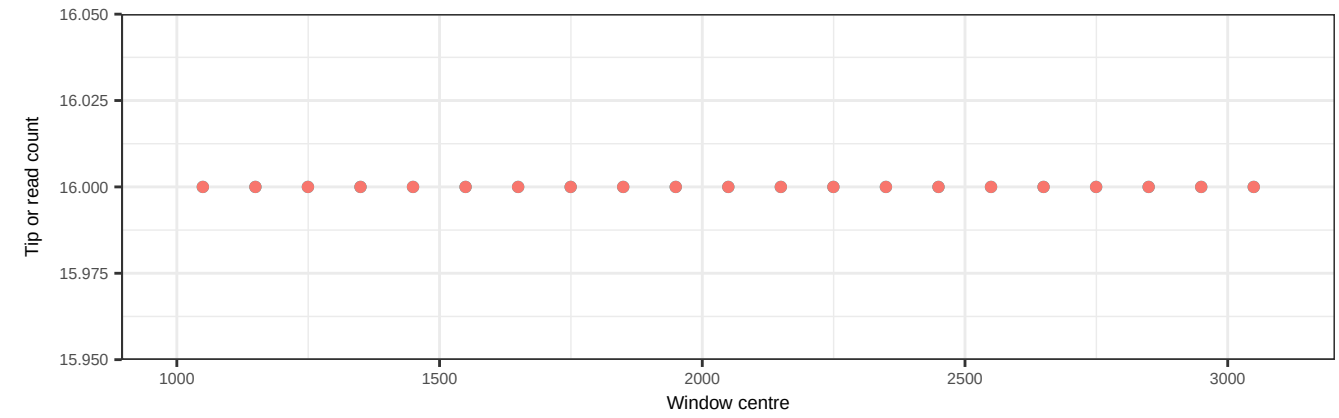

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

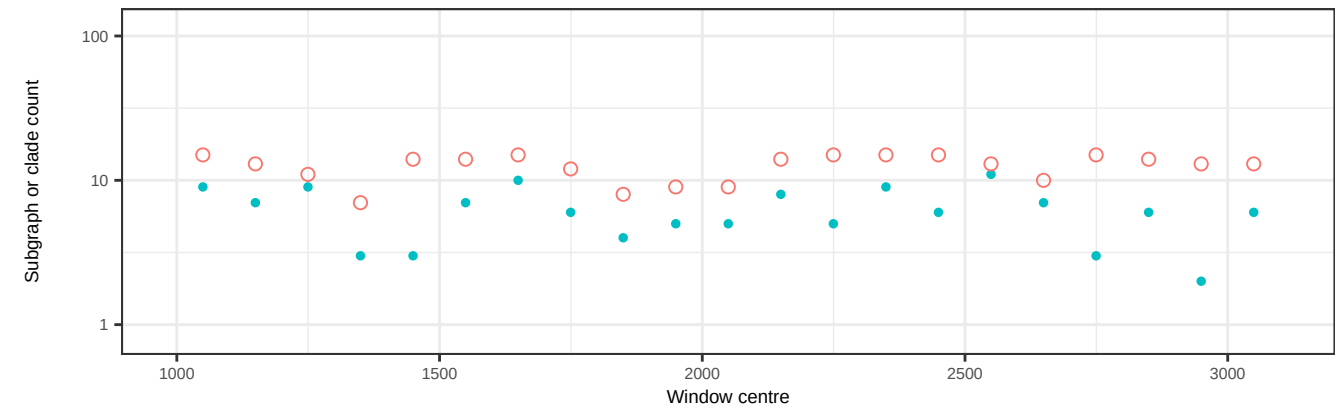

Mean root−to−tip−distance
(read−weighted)
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

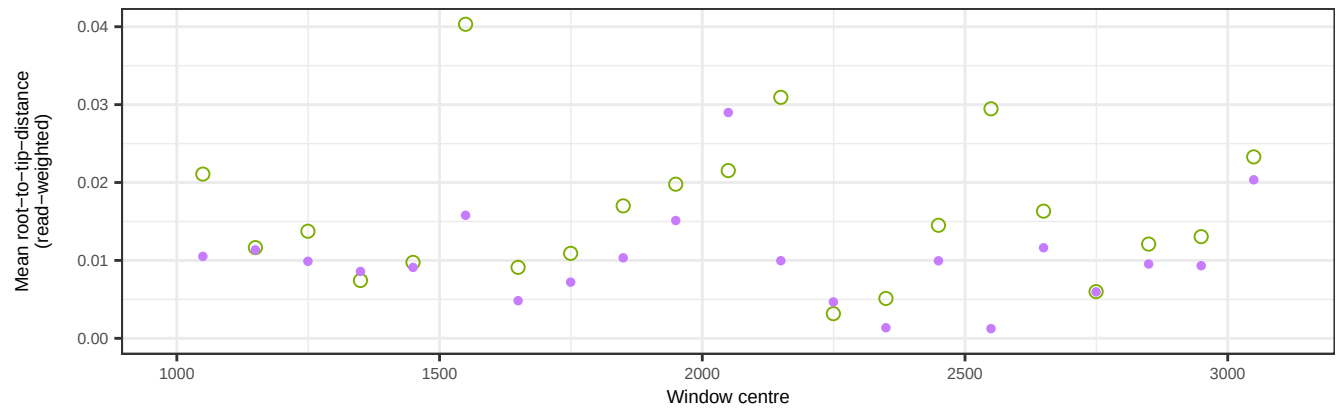

Mean pairwise patristic distance
0.15
0.10
0.05
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

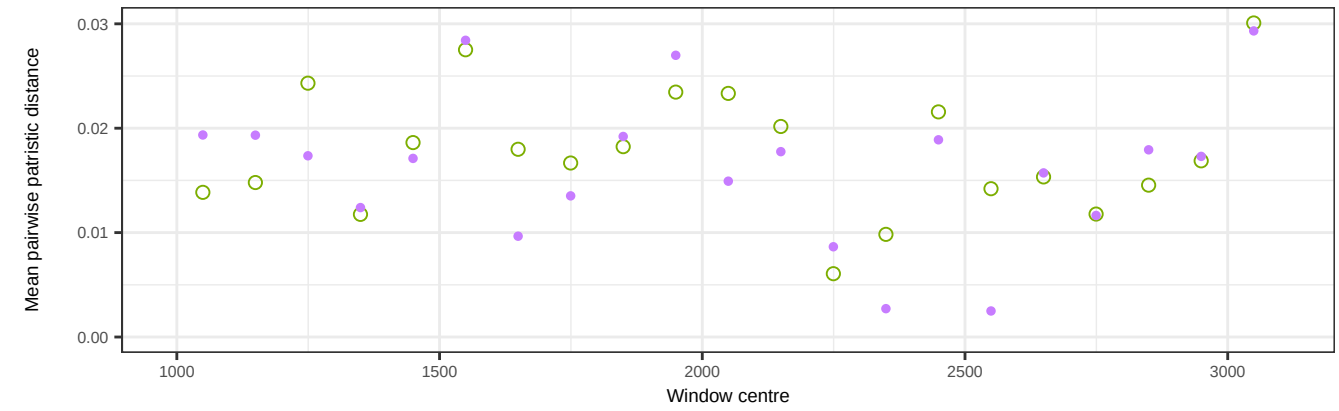

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
2
1

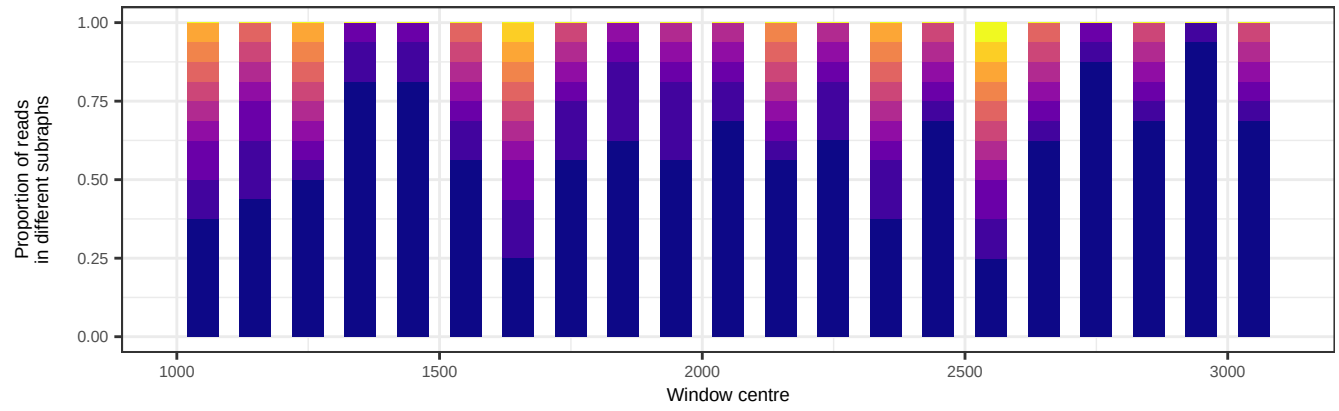
BI10


Tip or read count
16.050
16.025
16.000
15.975
15.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

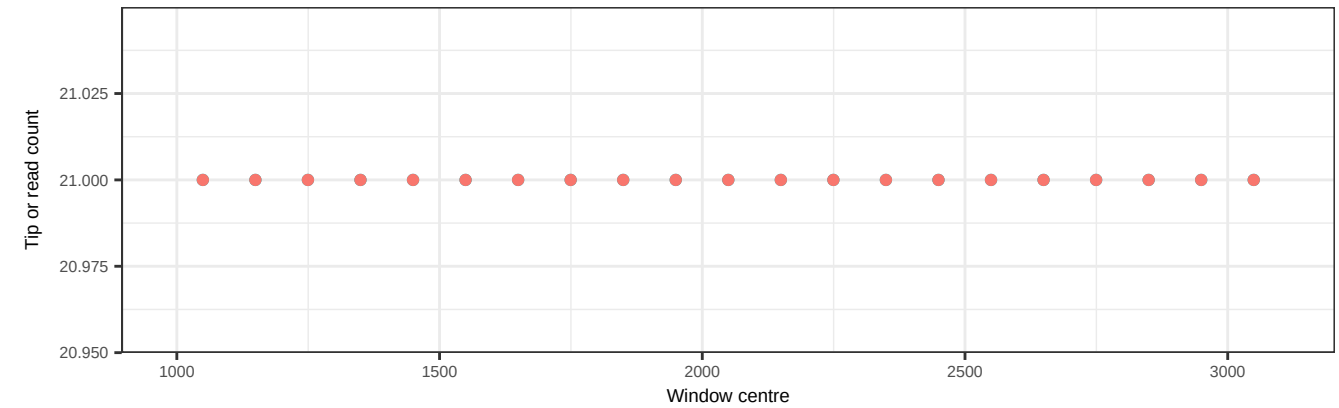

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

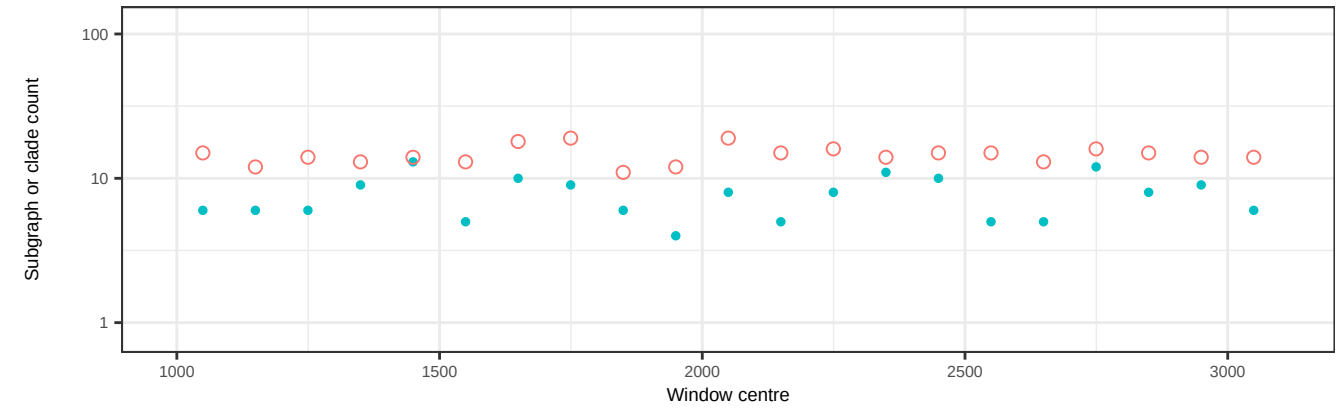

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

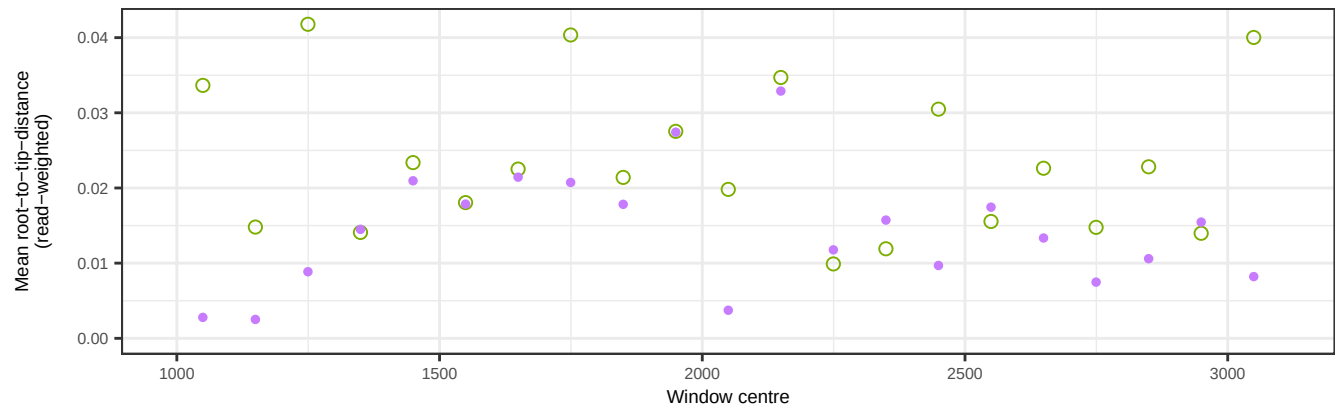

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

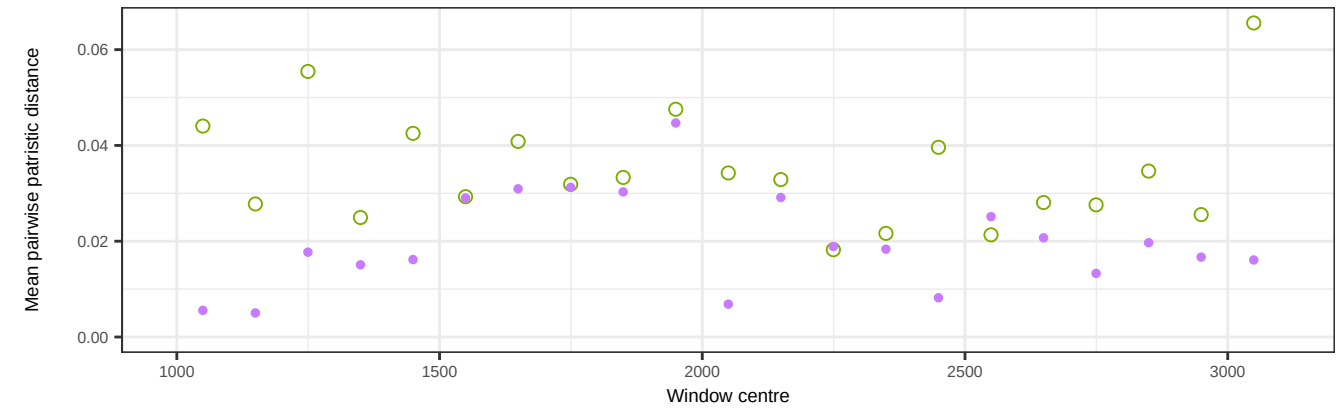

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
11
10
9
8
7
6
5
4
3
2
1

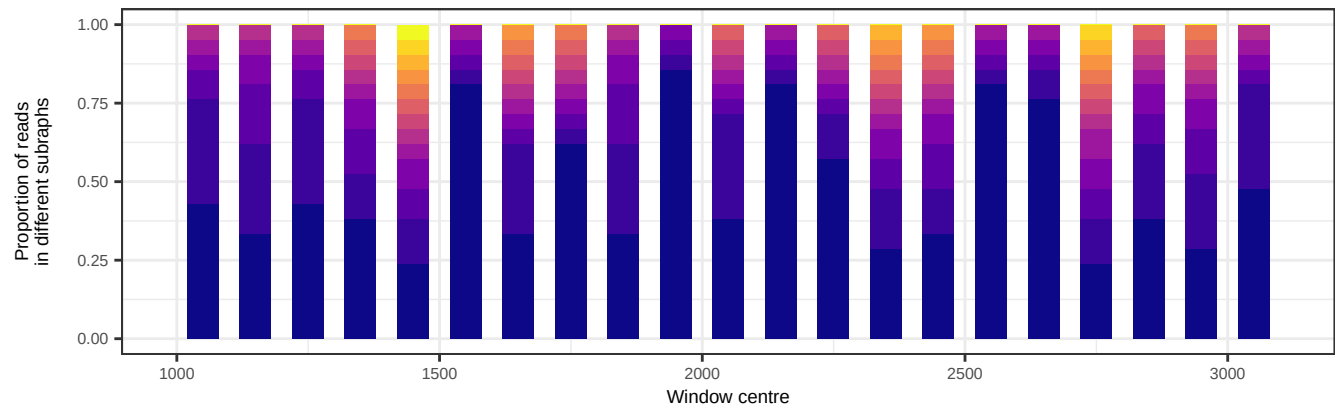
BI21


Tip or read count
21.025
21.000
20.975
20.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

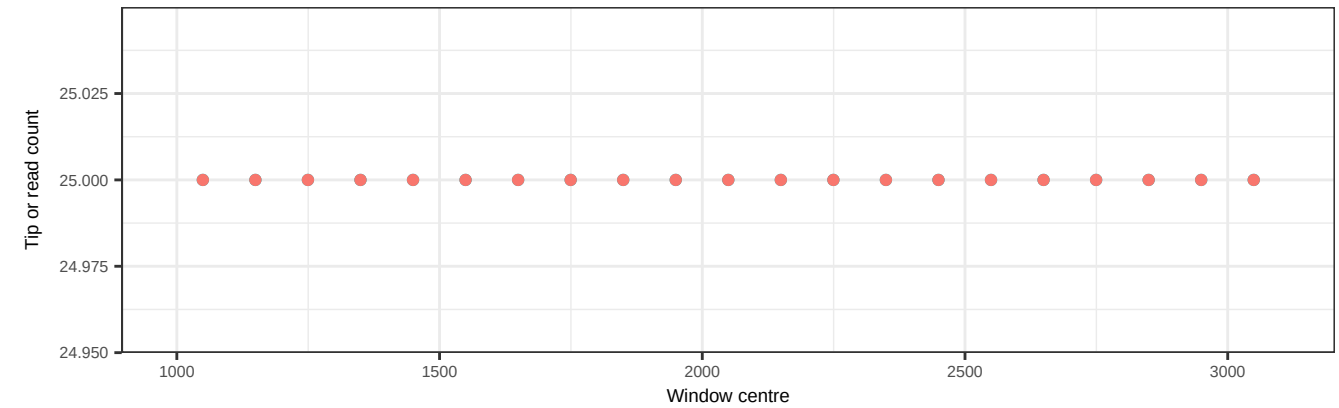

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

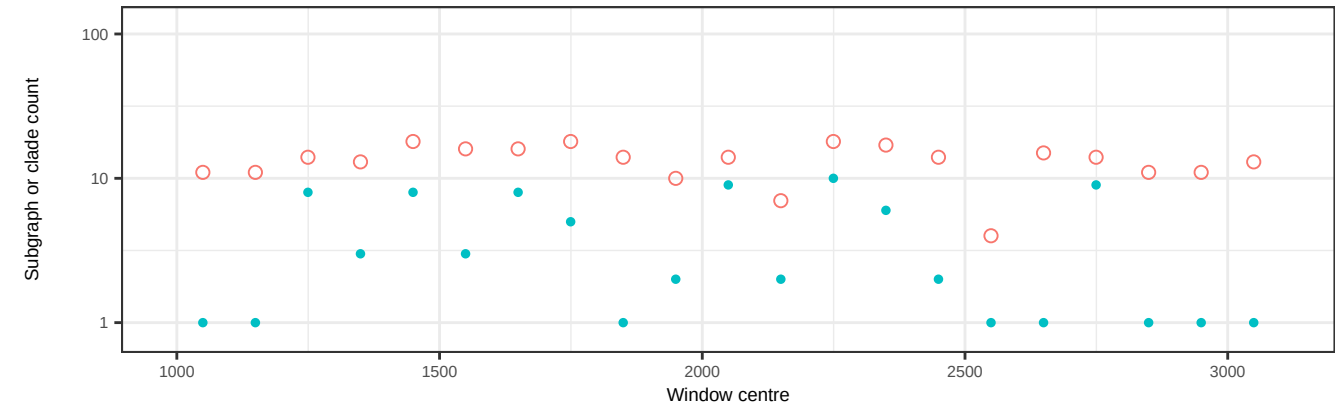

Mean root−to−tip−distance (read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

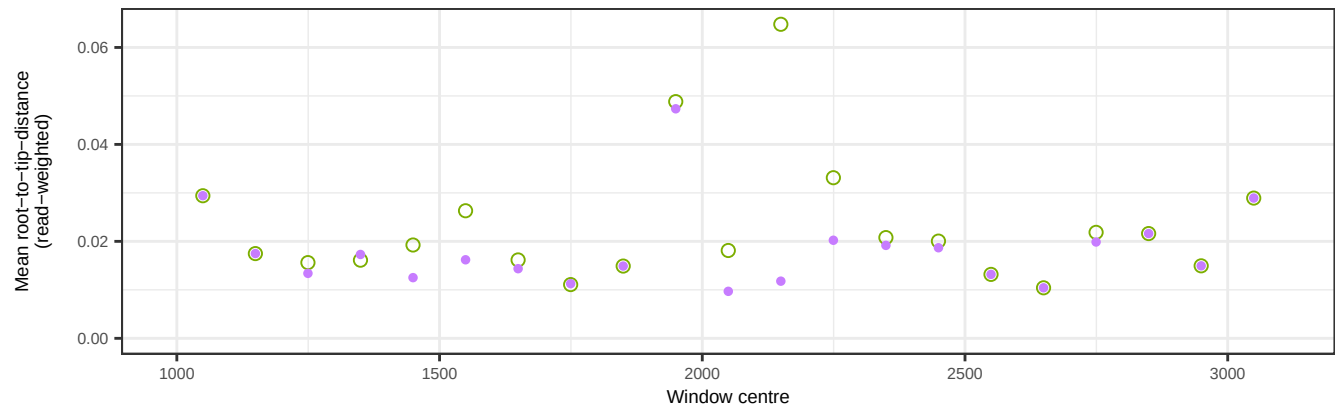

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

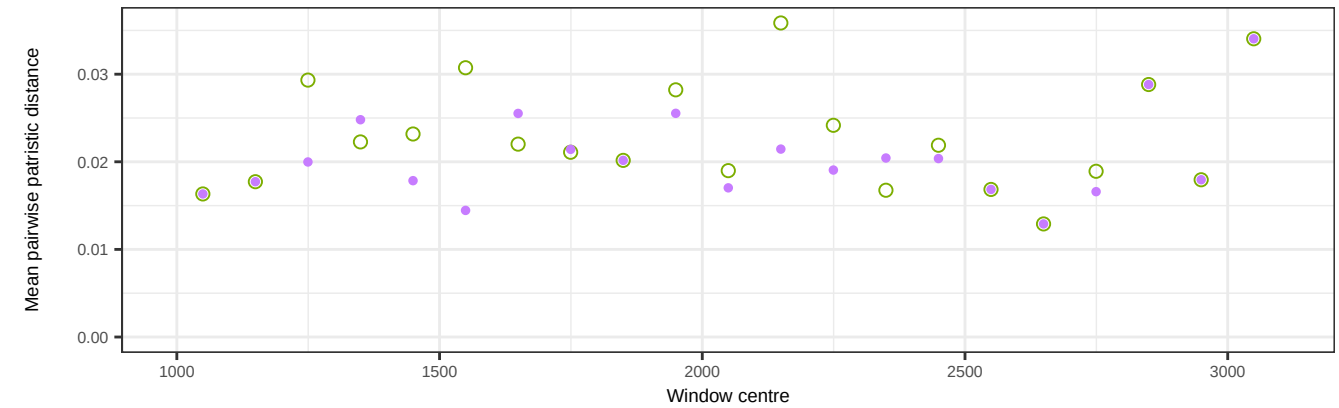

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank (by tip count)
13
12
11
10
9
8
7
6
5
4
3
2
1

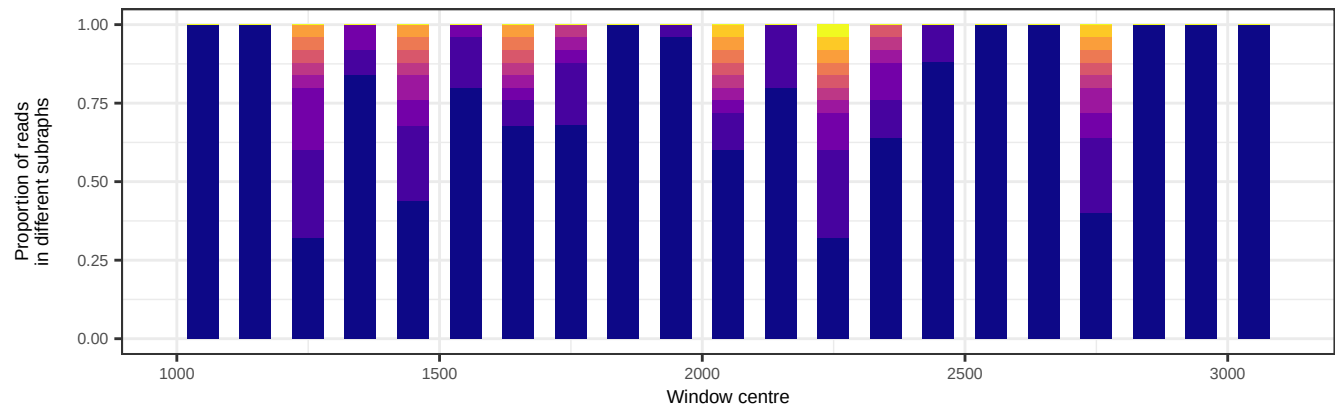
BI29


Tip or read count
25.025
25.000
24.975
24.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

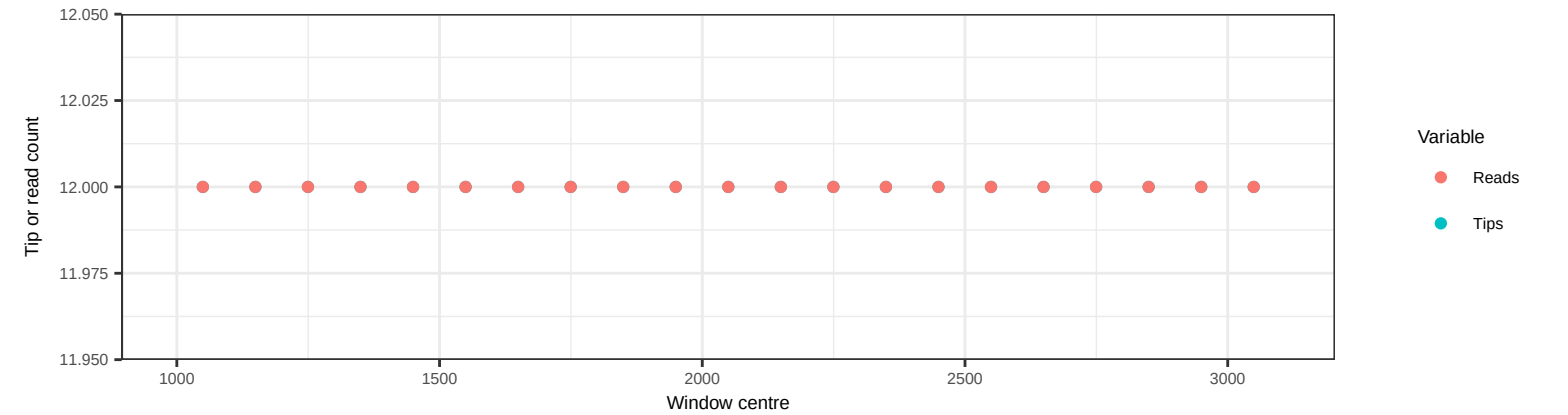

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

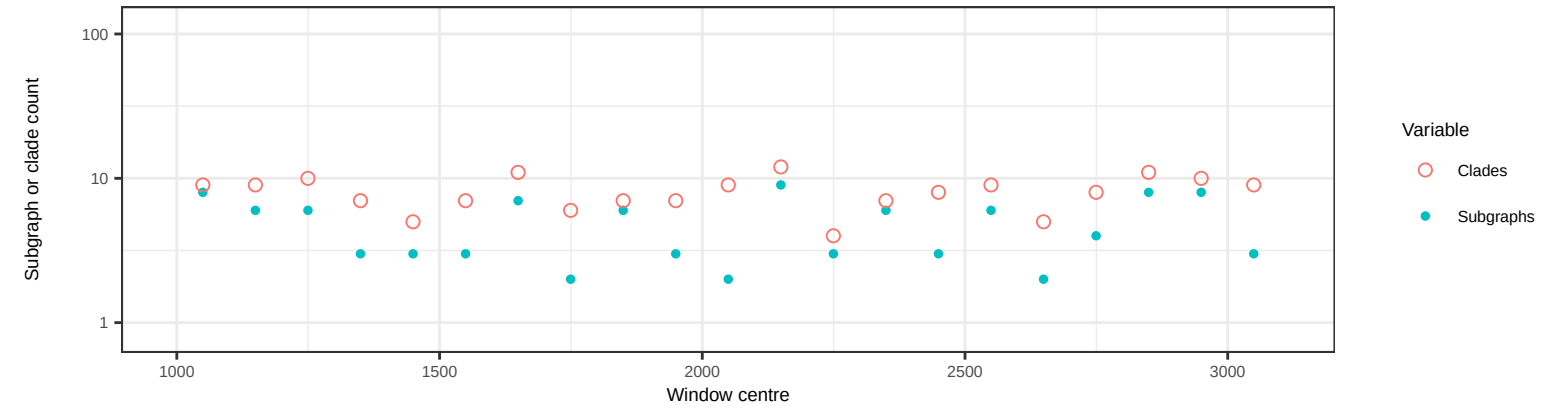

Mean root−to−tip−distance
(read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

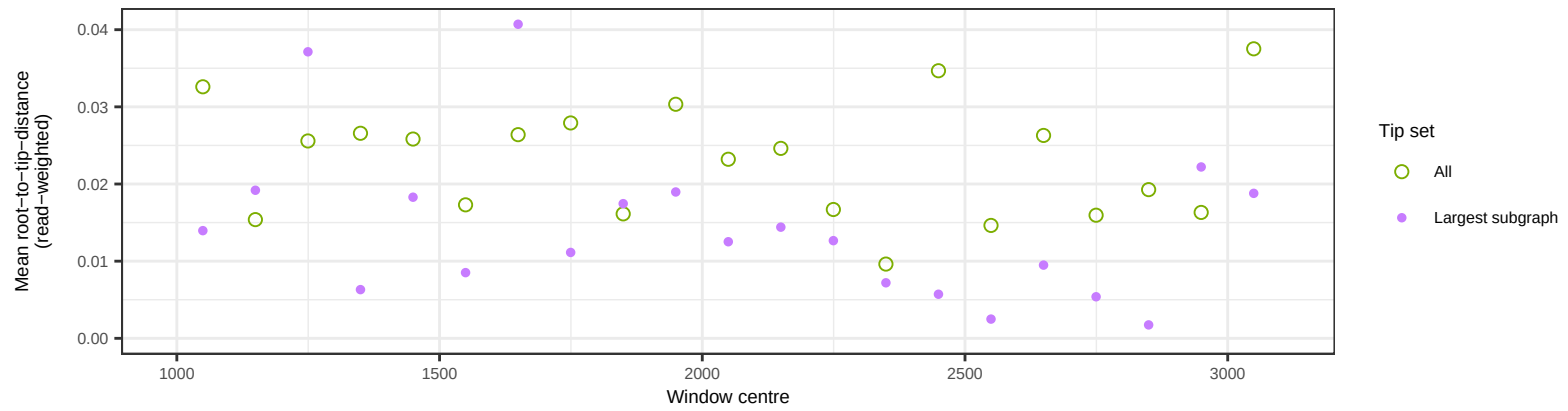

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

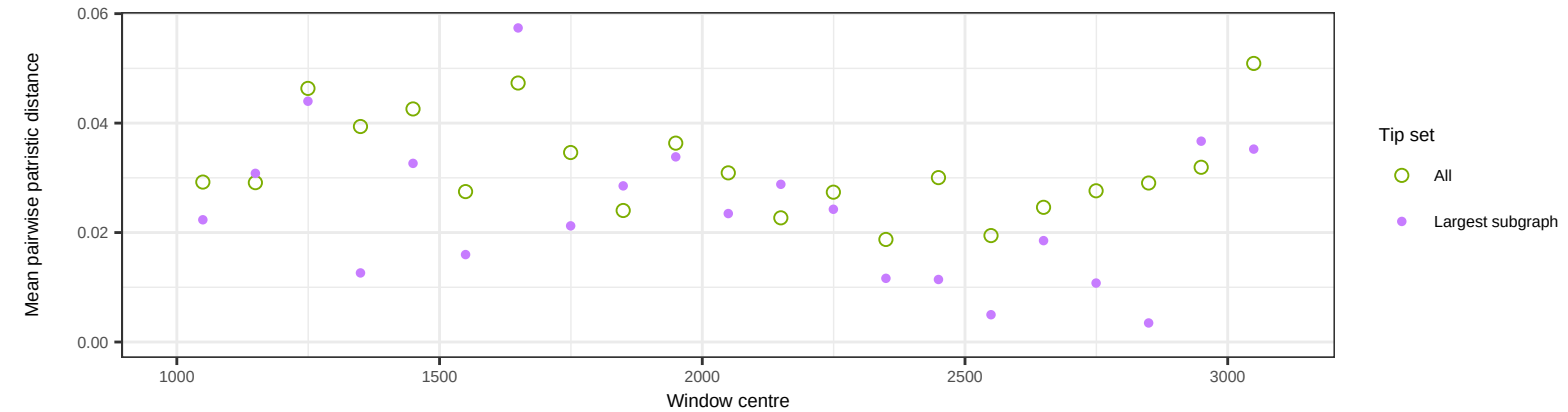

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
10
9
8
7
6
5
4
3
2
1

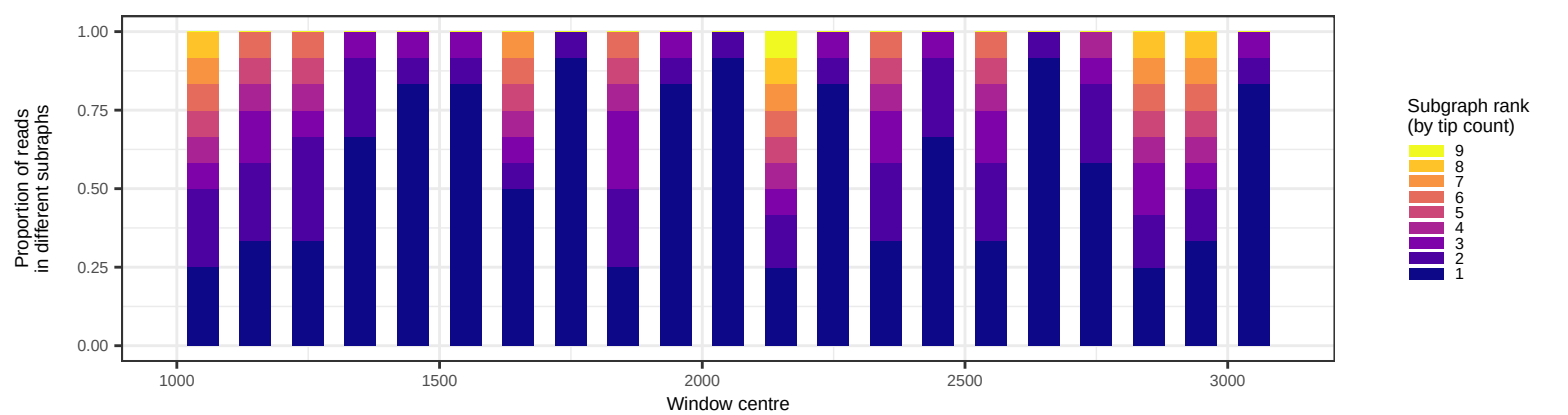
BI38


Tip or read count
12.050
12.025
12.000
11.975
11.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

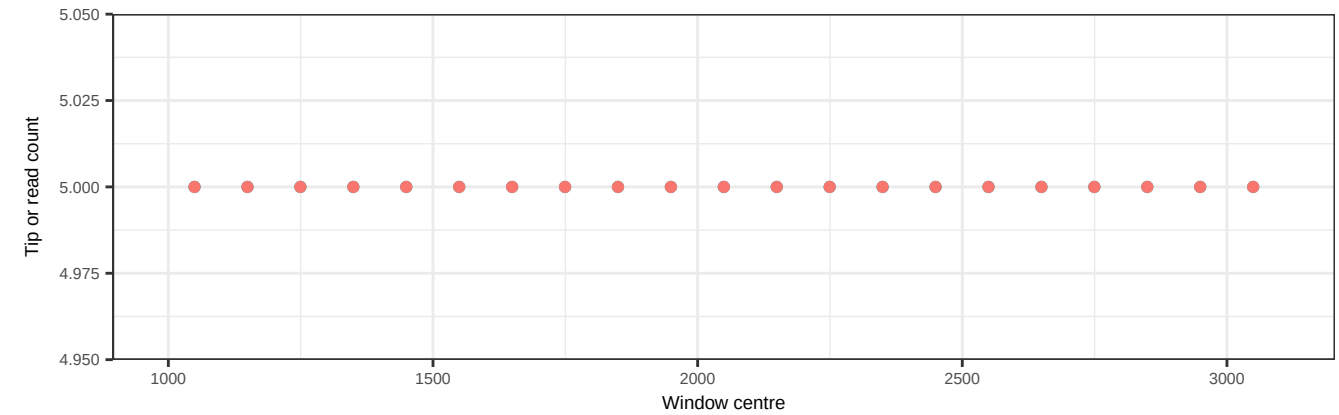

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

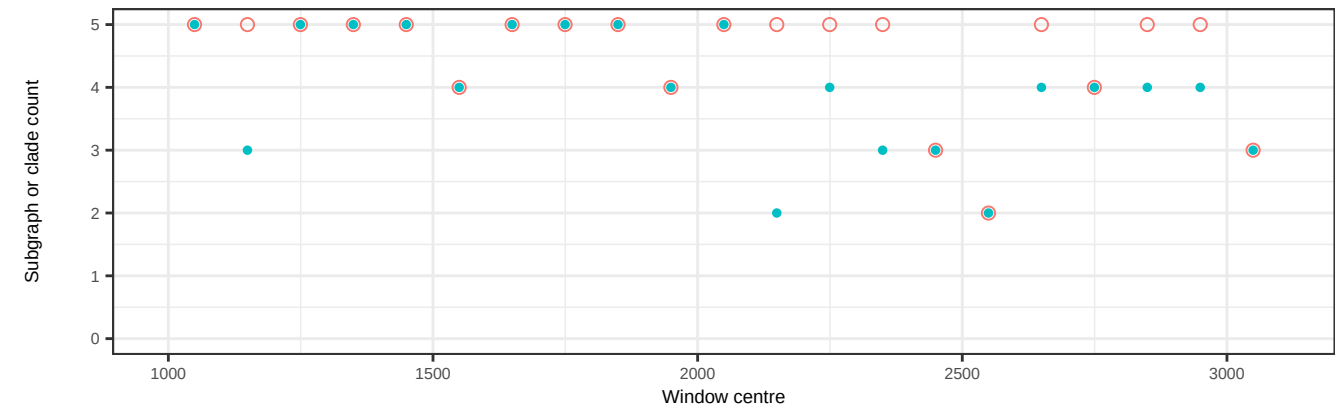

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

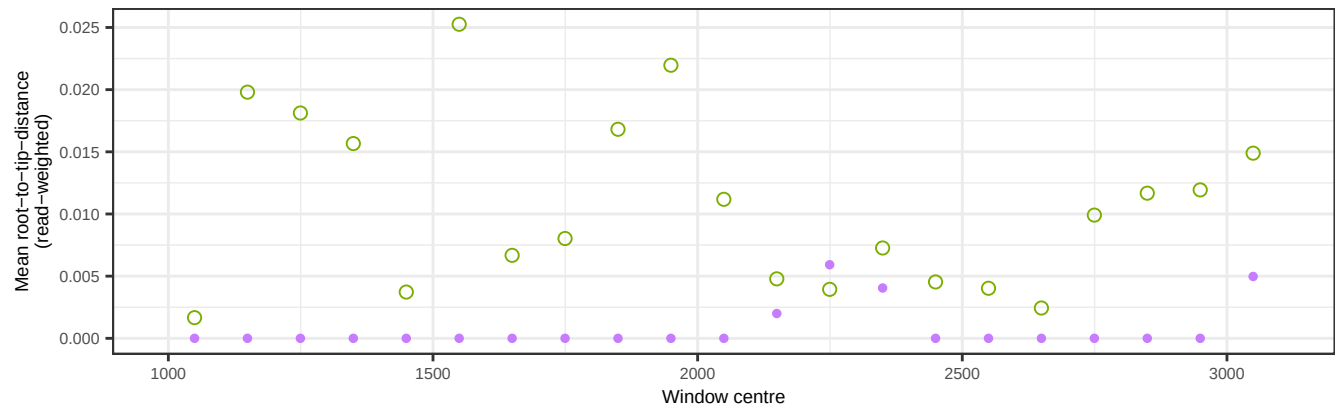

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

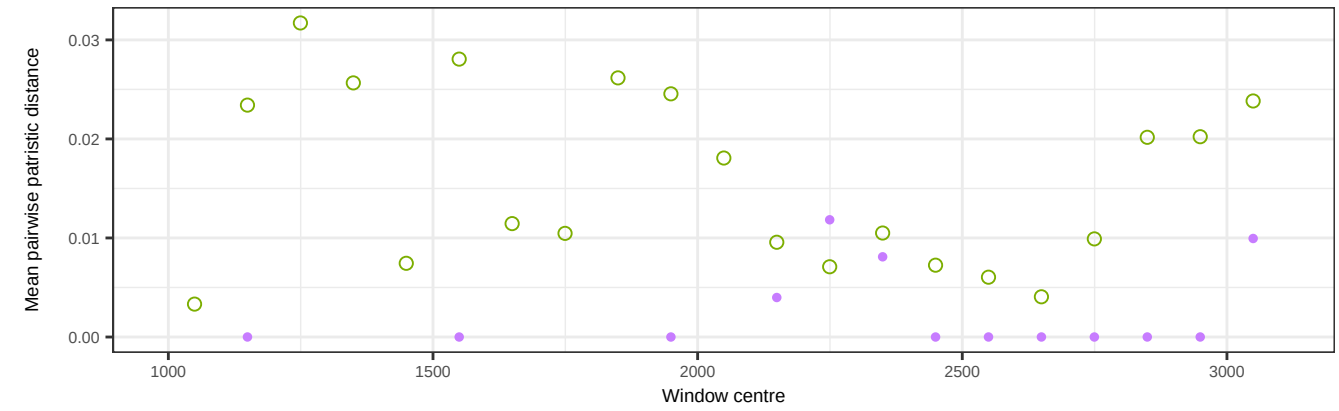

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
9
8
7
6
5
4
3
2
1

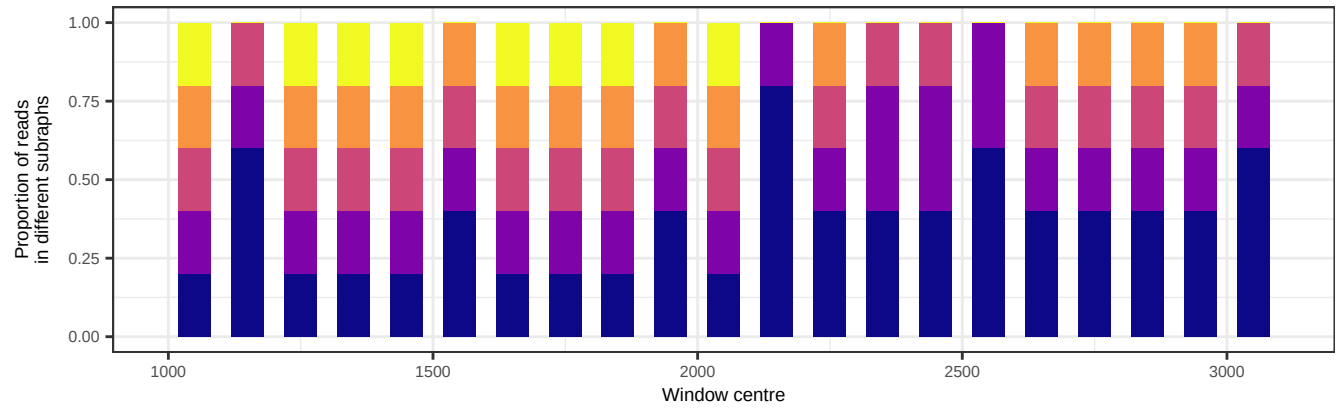
BJ23


Tip or read count
5.050
5.025
5.000
4.975
4.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

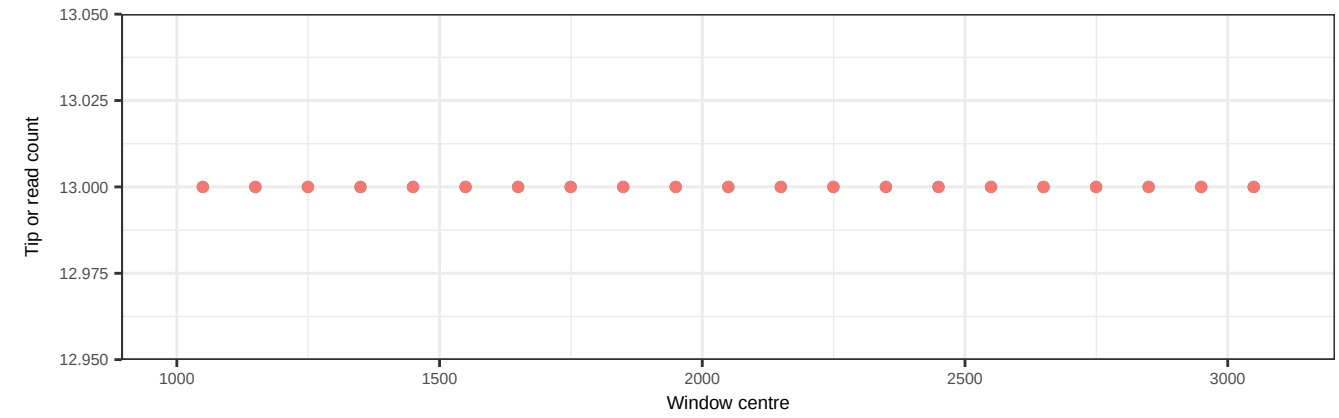

Subgraph or clade count
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

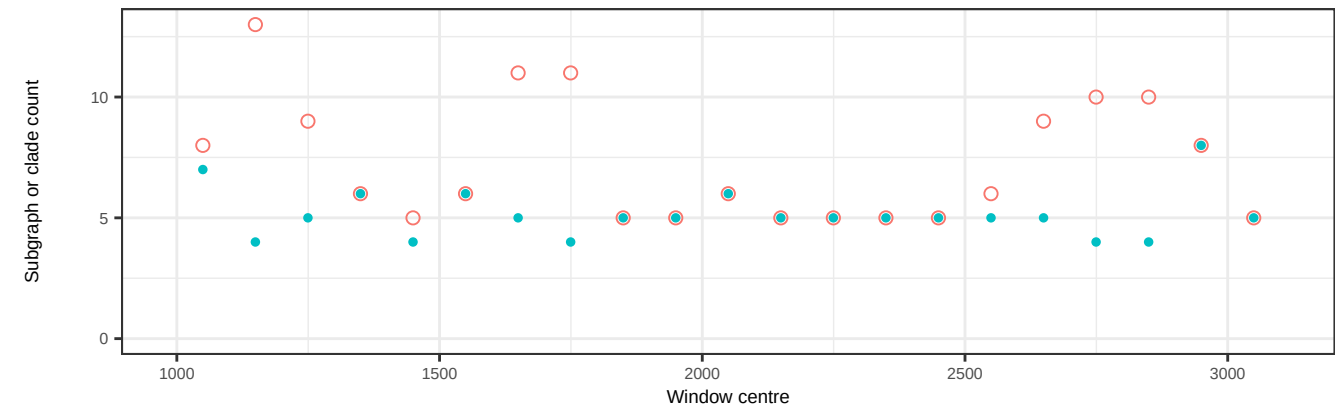

Mean root−to−tip−distance
(read−weighted)
0.025
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

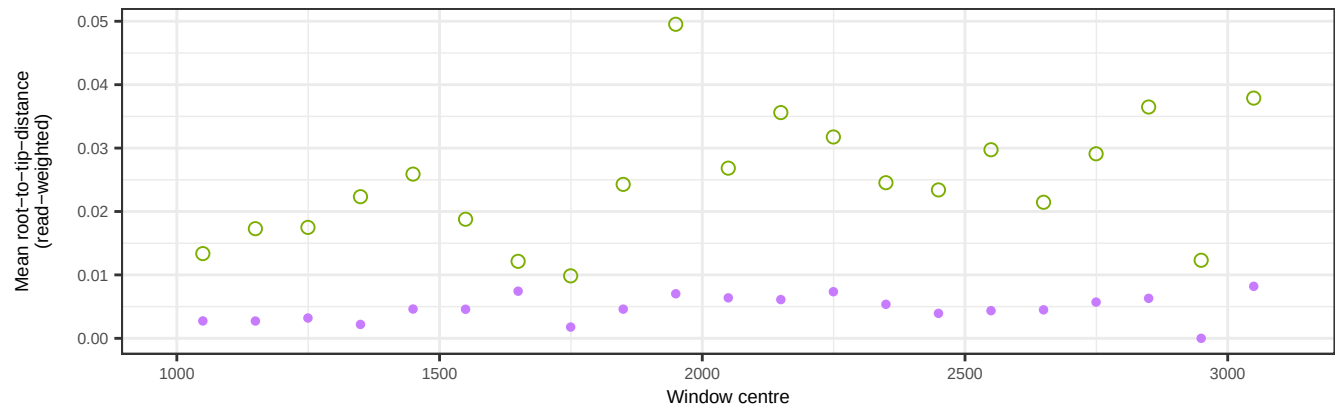

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

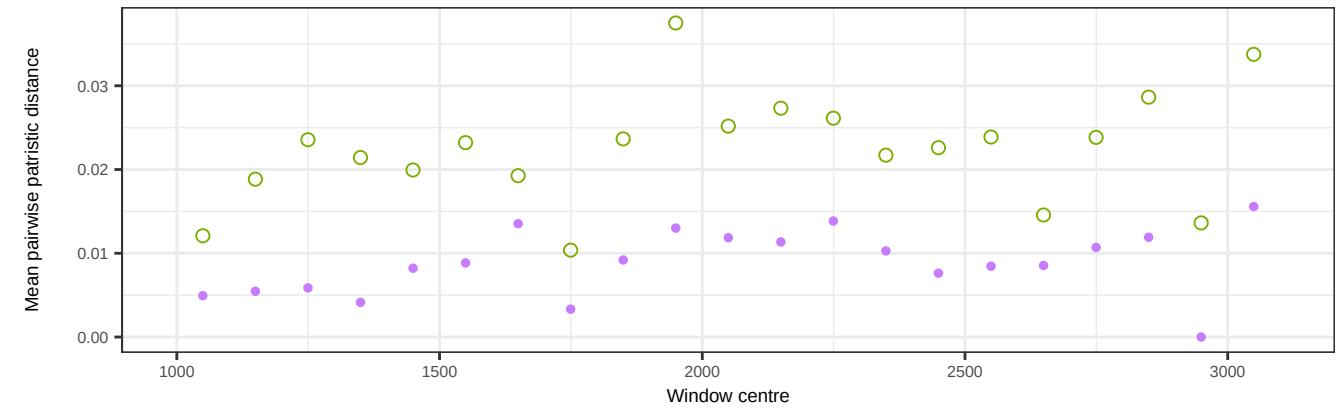

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

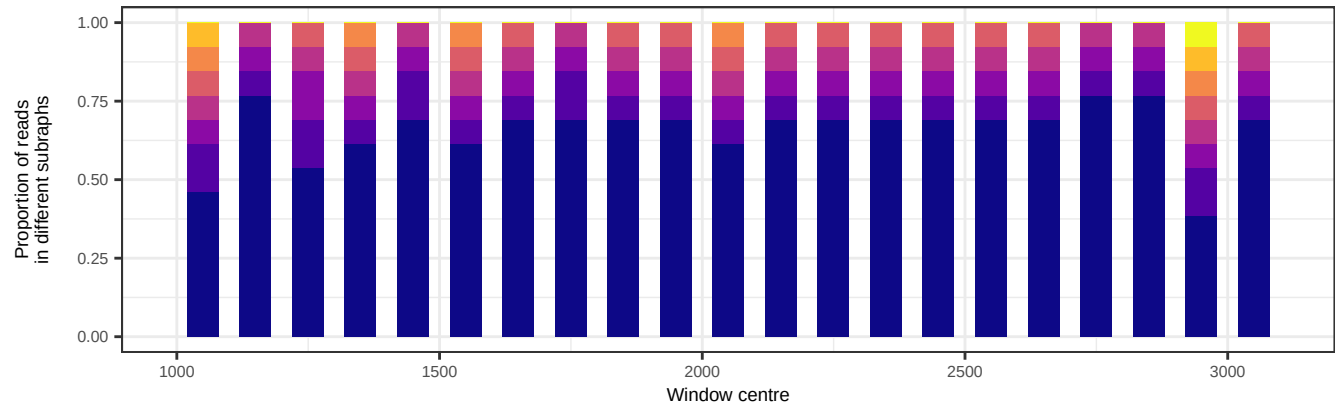
BJ25


Tip or read count
13.050
13.025
13.000
12.975
12.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

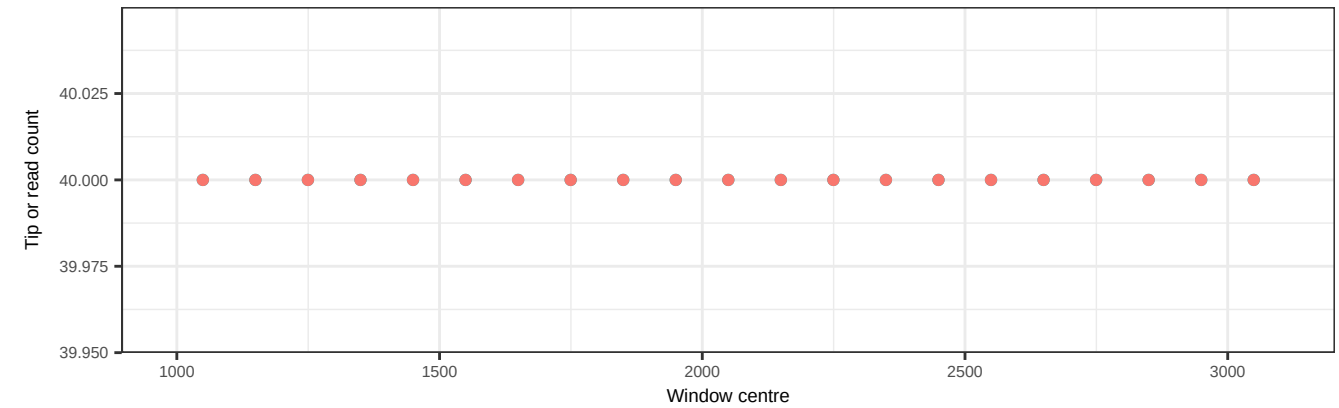

Subgraph or clade count
10
5
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

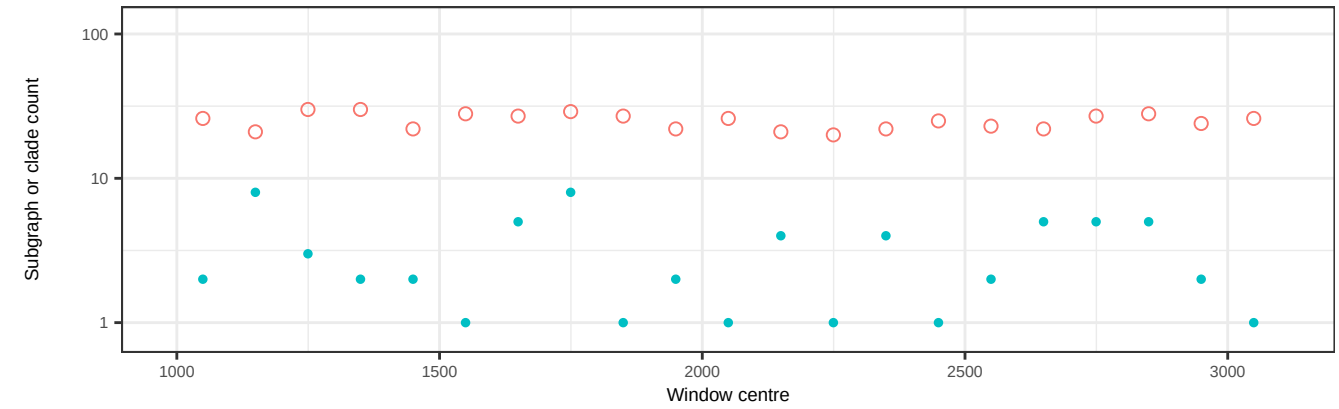

Mean root−to−tip−distance
(read−weighted)
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

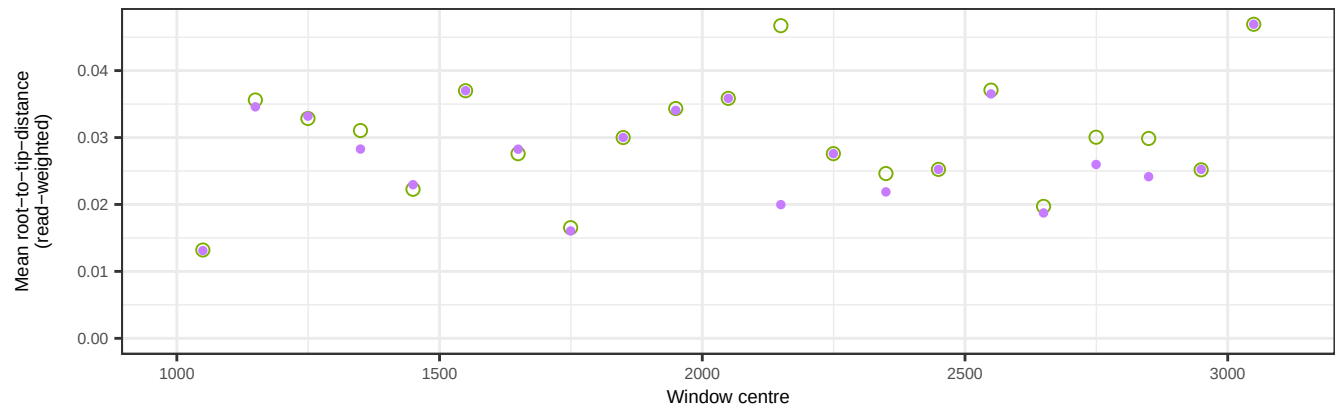

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

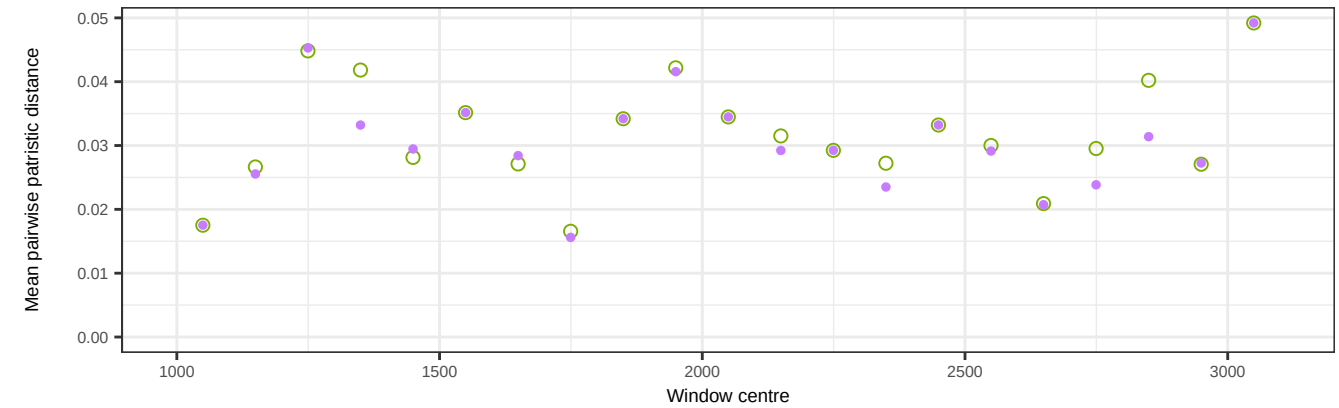

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
8
7
6
5
4
3
2
1

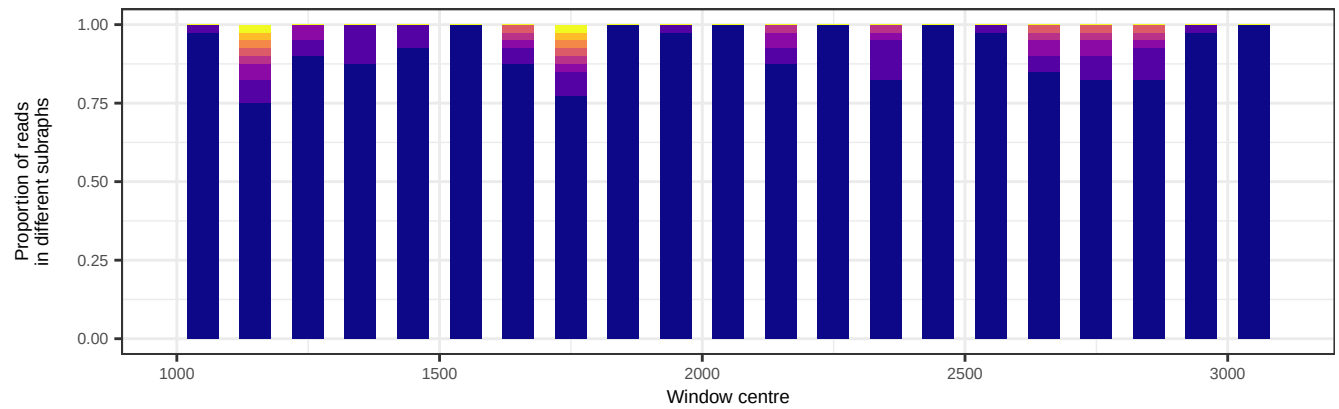
BJ28


Tip or read count
40.025
40.000
39.975
39.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

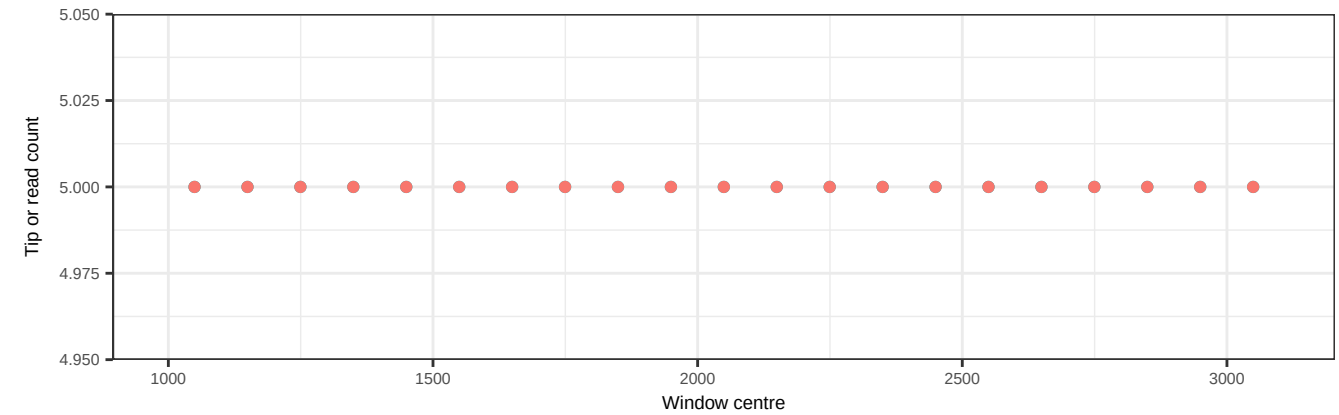

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

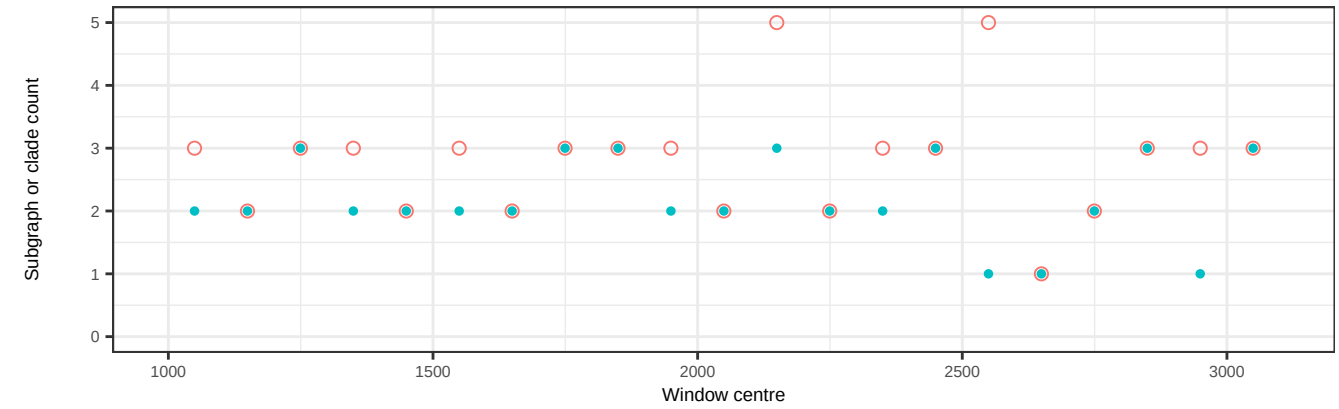

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

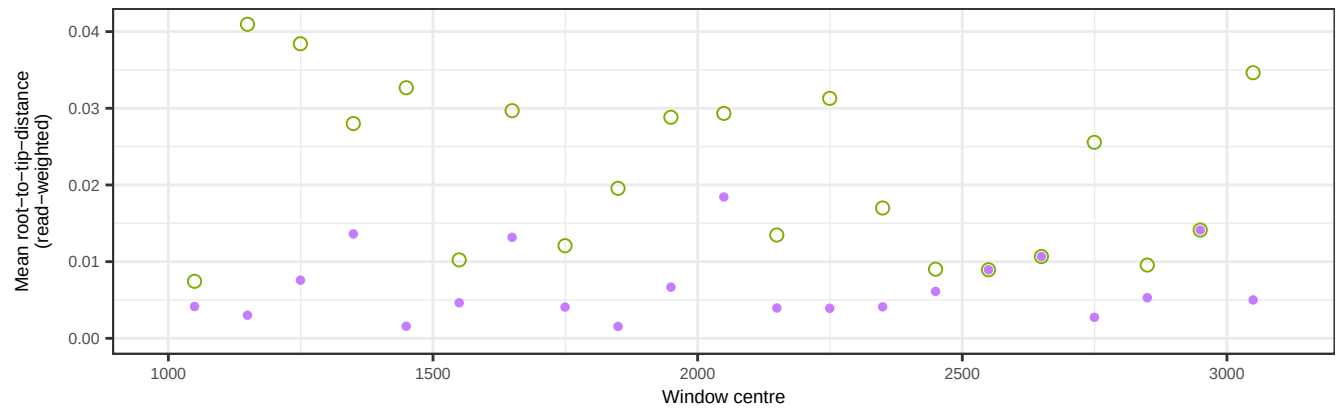

Mean pairwise patristic distance
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

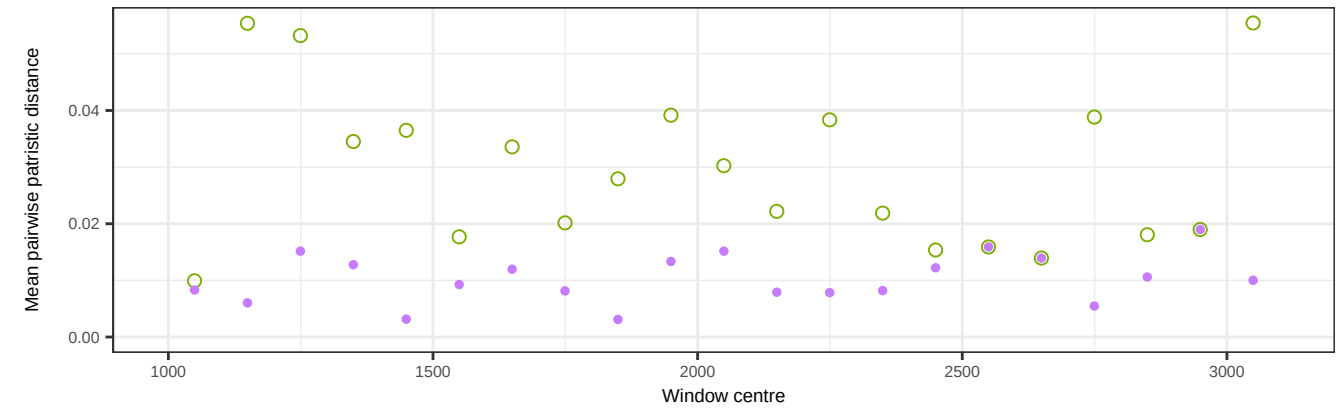

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
8
7
6
5
4
3
2
1

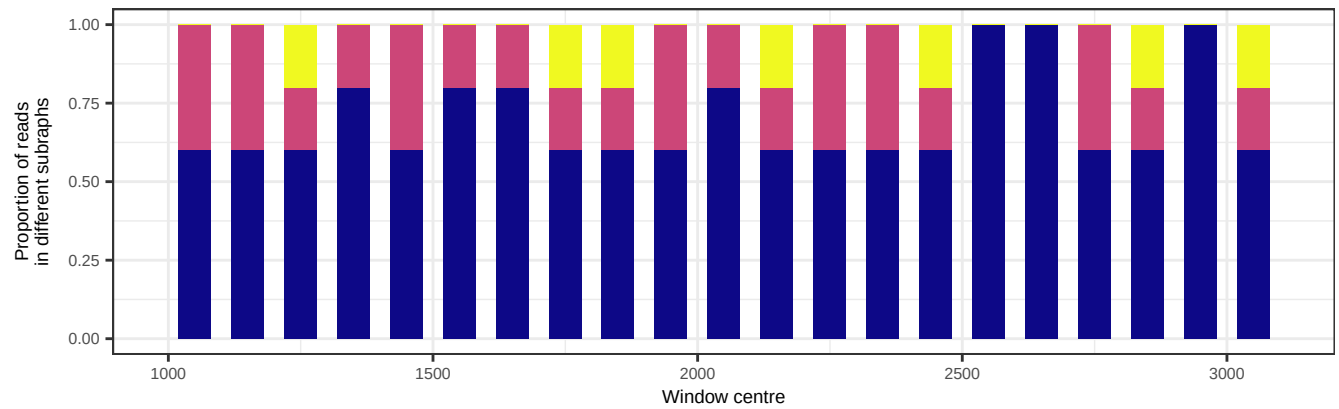
BJ30


Tip or read count
5.050
5.025
5.000
4.975
4.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

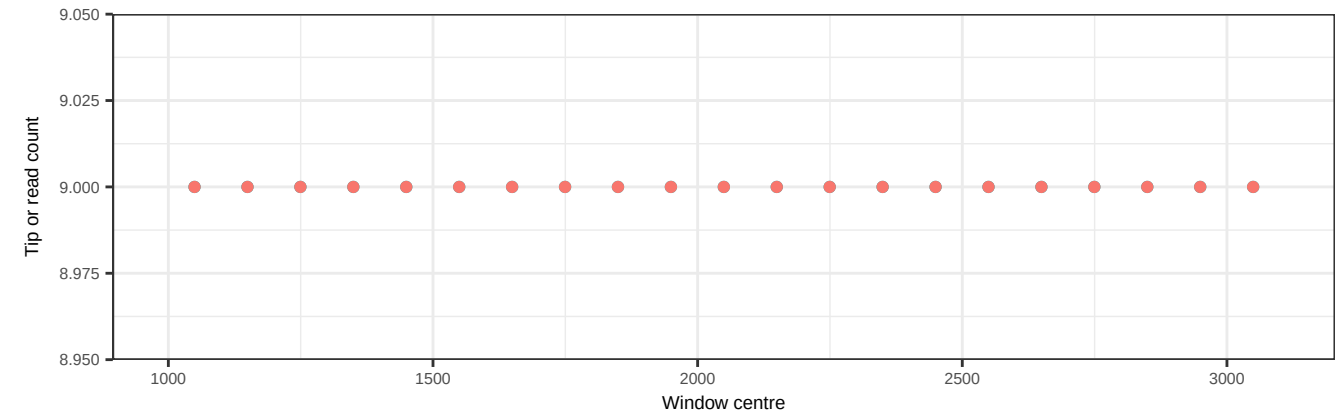

Subgraph or clade count
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

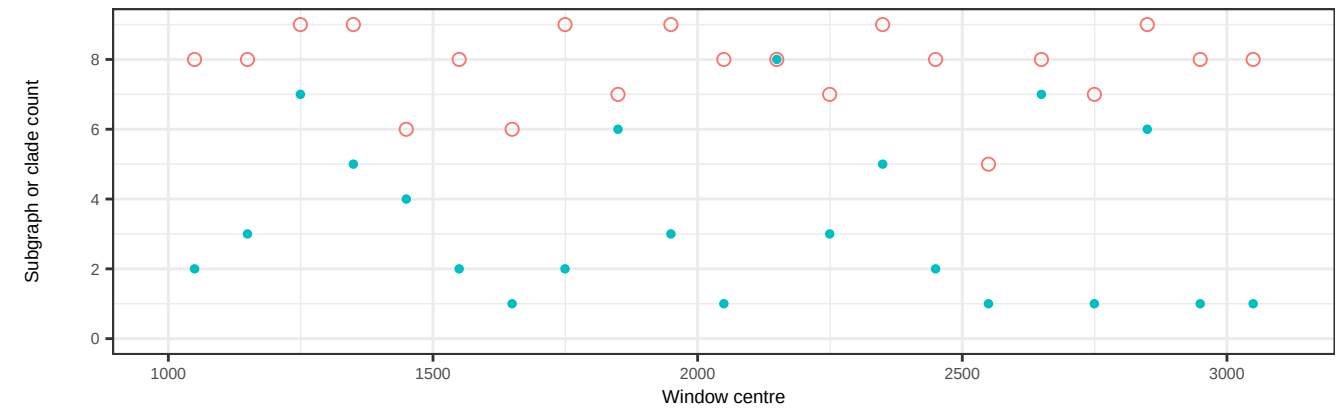

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

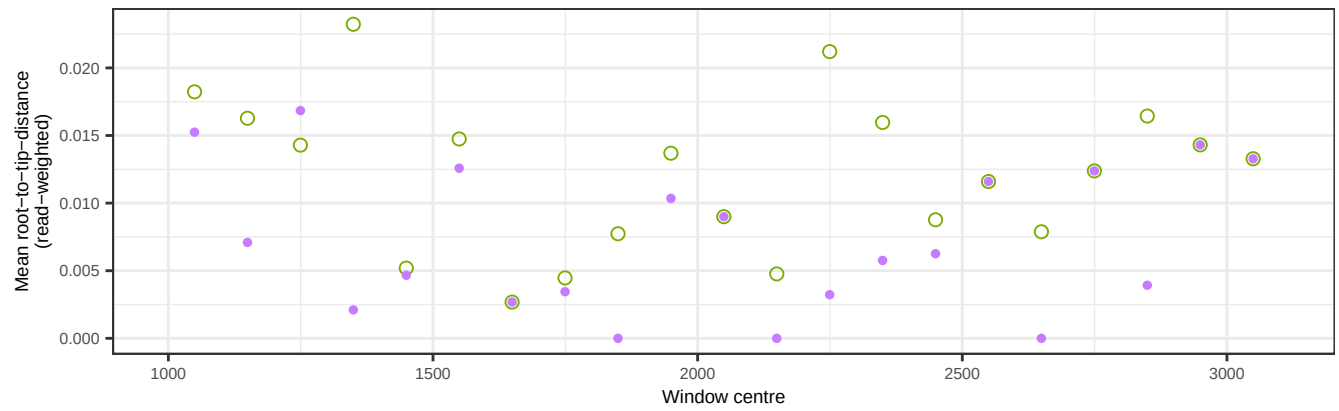

Mean pairwise patristic distance
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

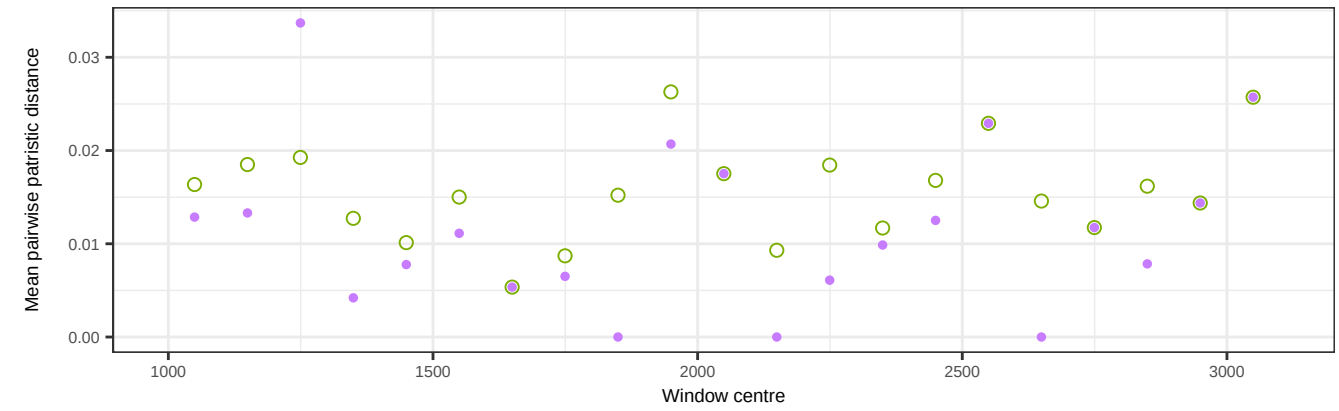

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
3
2
1

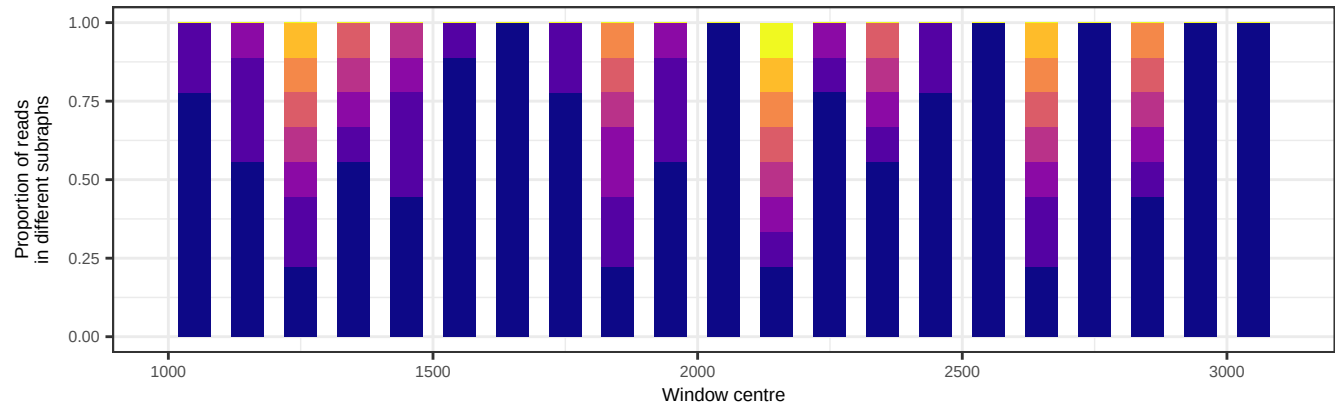
BK269


Tip or read count
9.050
9.025
9.000
8.975
8.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

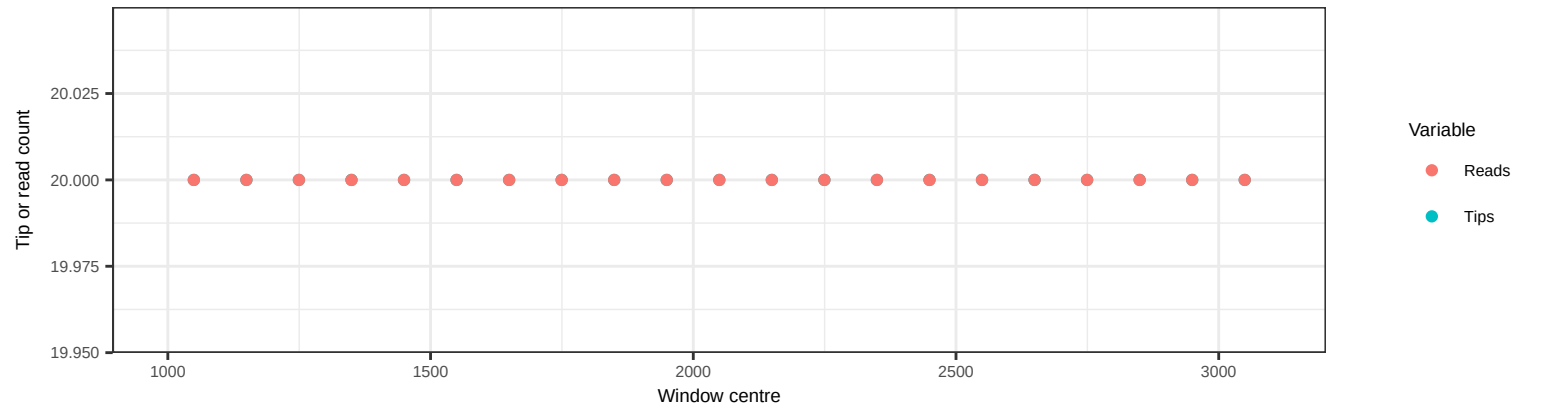

Subgraph or clade count
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

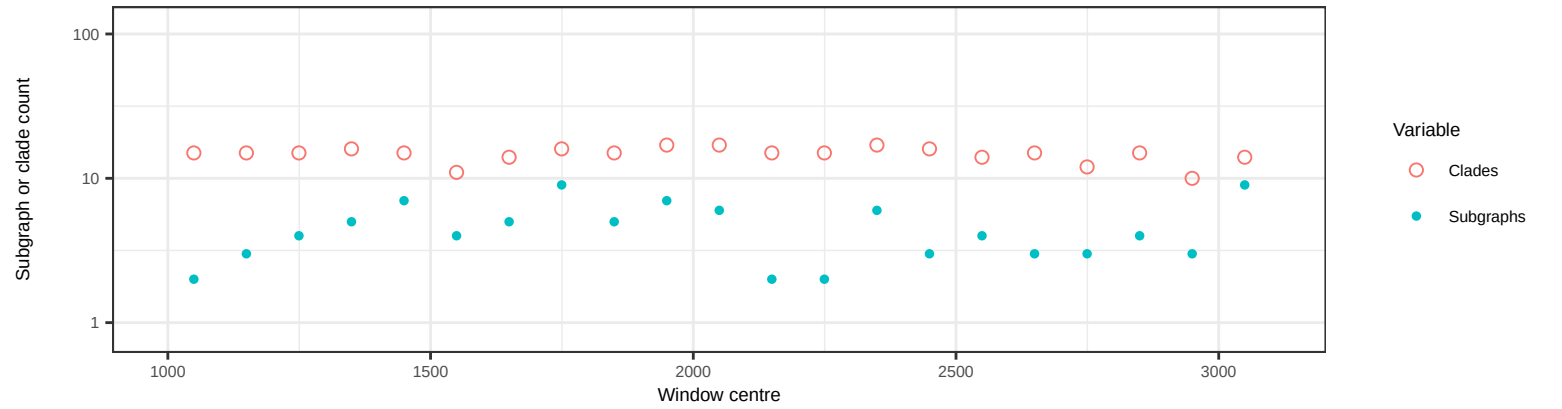

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

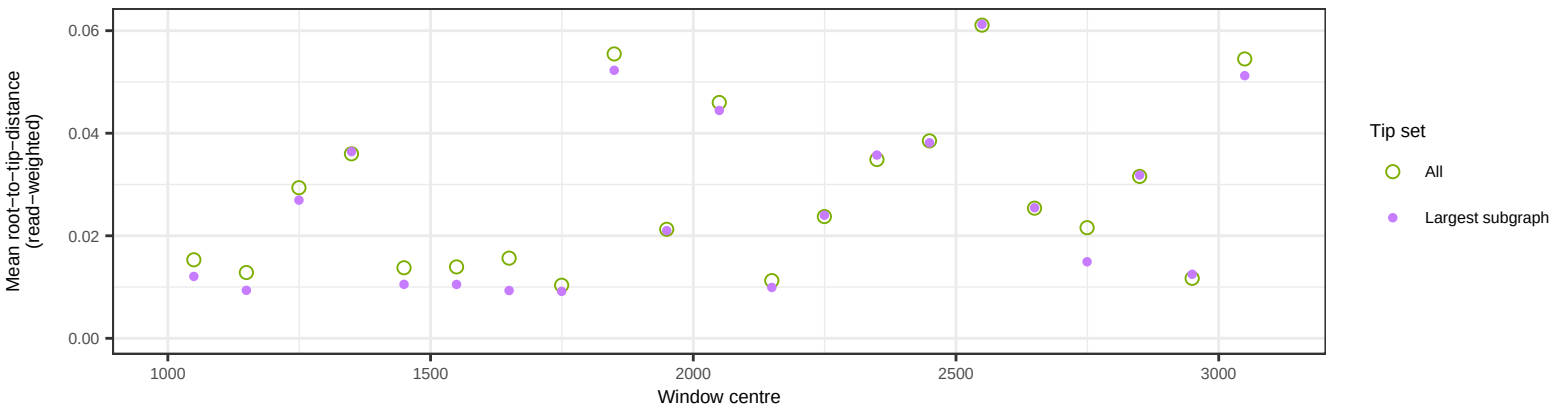

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

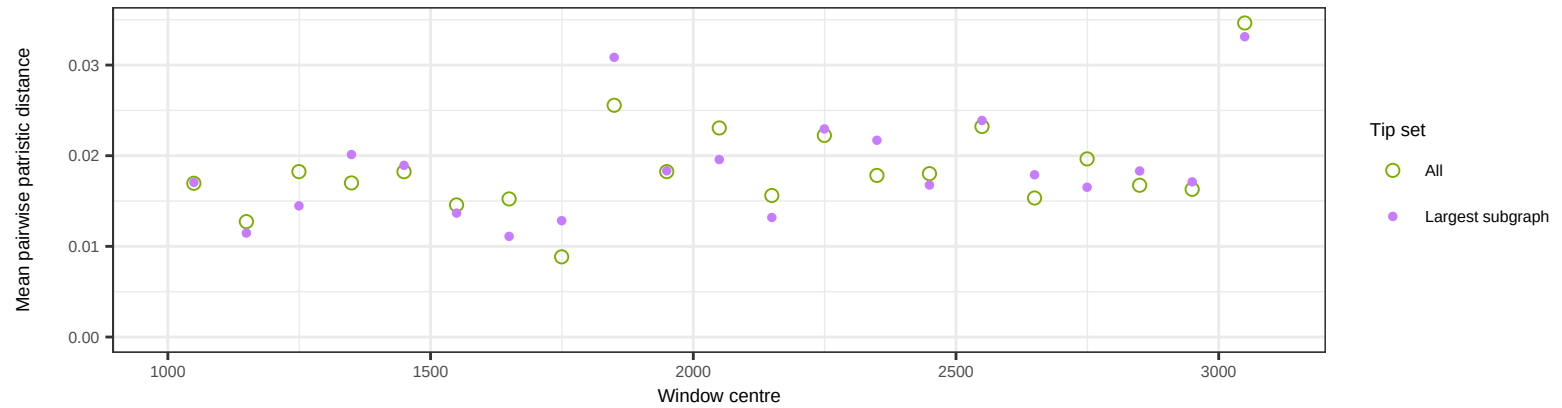

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
8
7
6
5
4
3
2
1

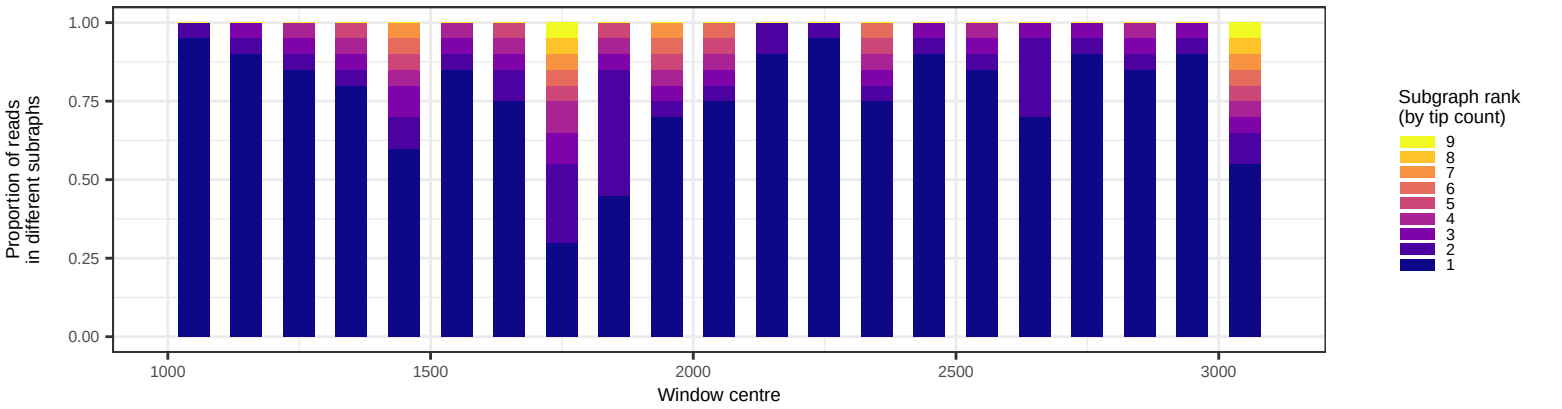
BK270


Tip or read count
20.025
20.000
19.975
19.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

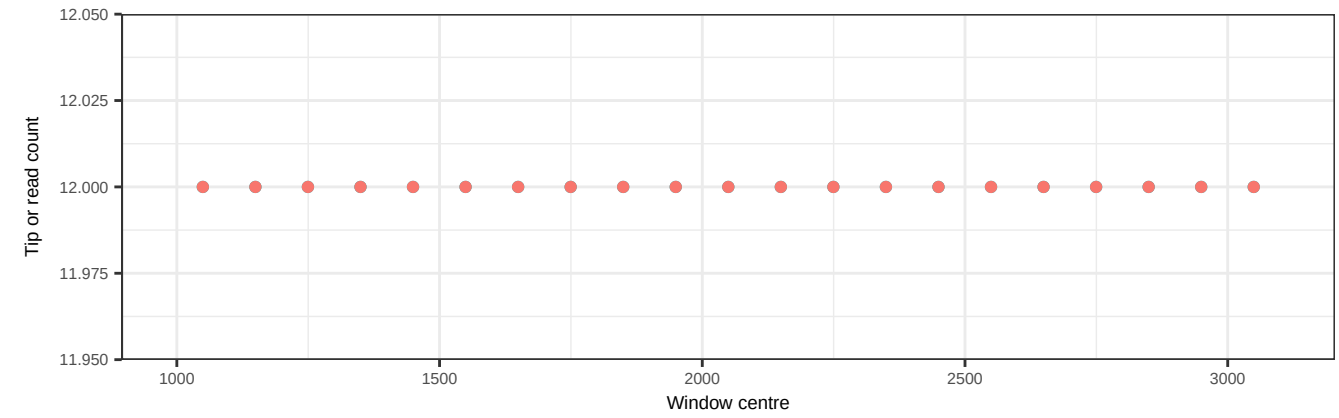

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

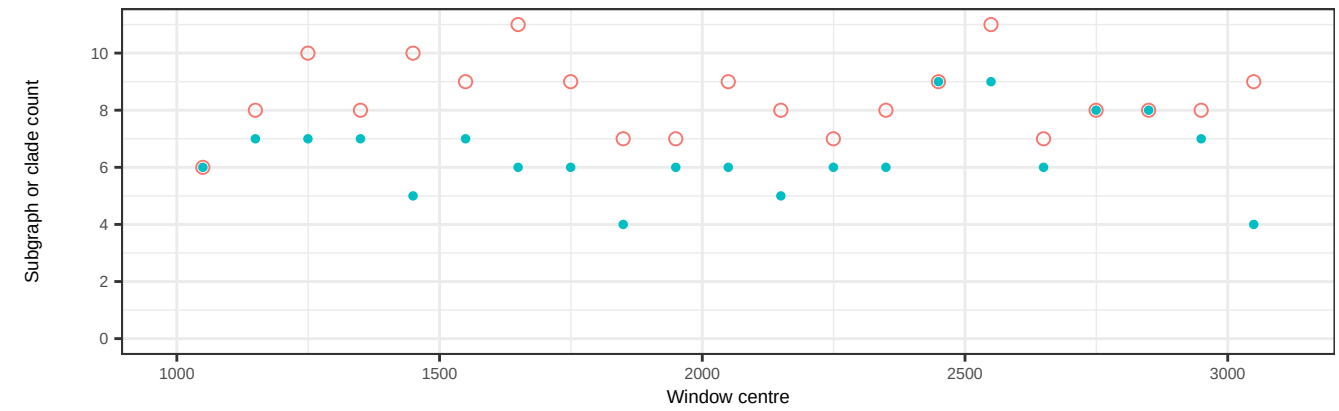

Mean root−to−tip−distance
(read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

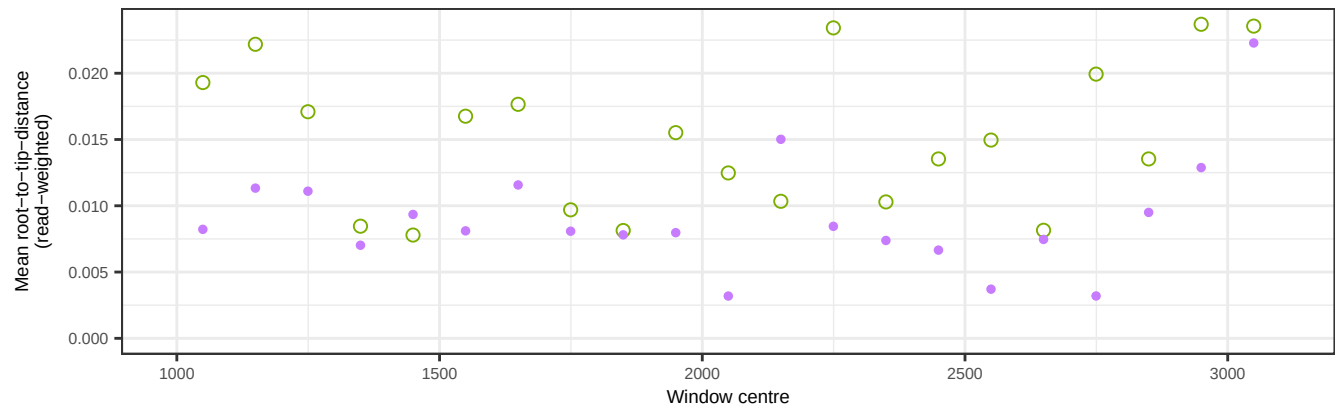

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

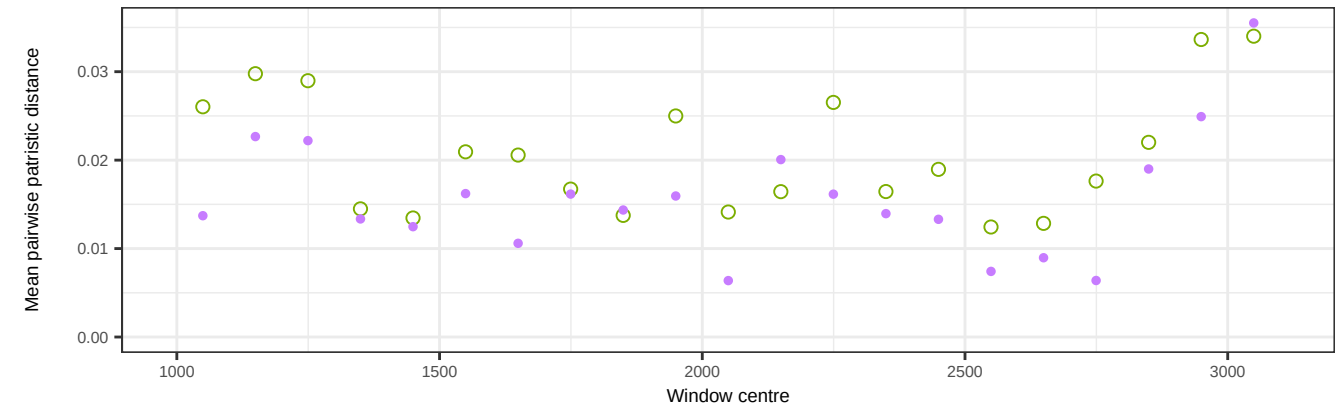

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
9
8
7
6
5
4
3
2
1

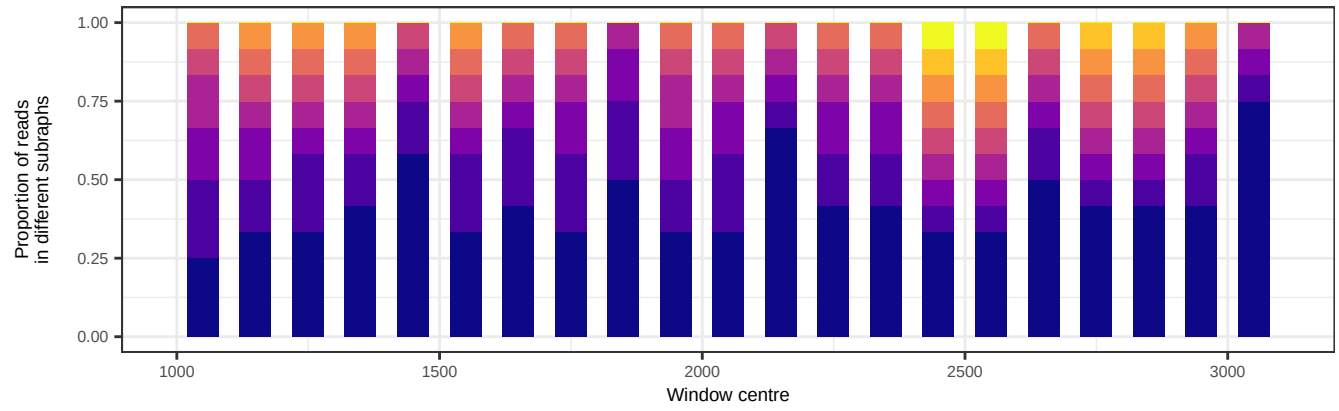
BK271


Tip or read count
12.050
12.025
12.000
11.975
11.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

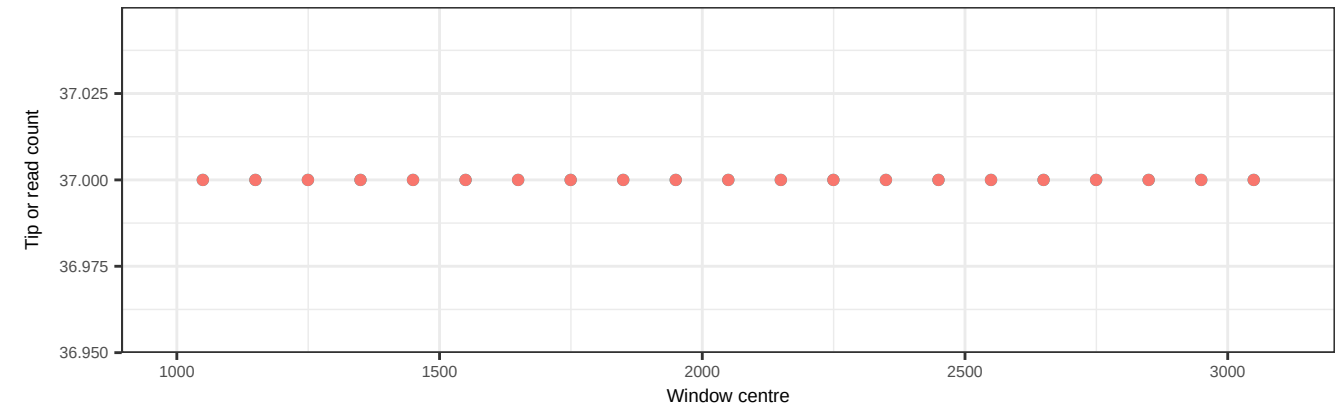

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

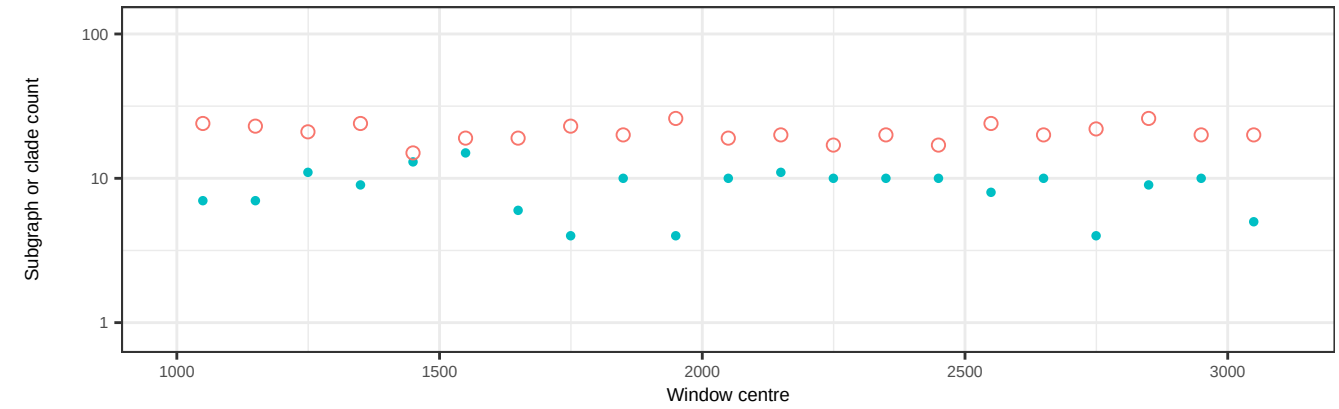

Mean root−to−tip−distance
(read−weighted)
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

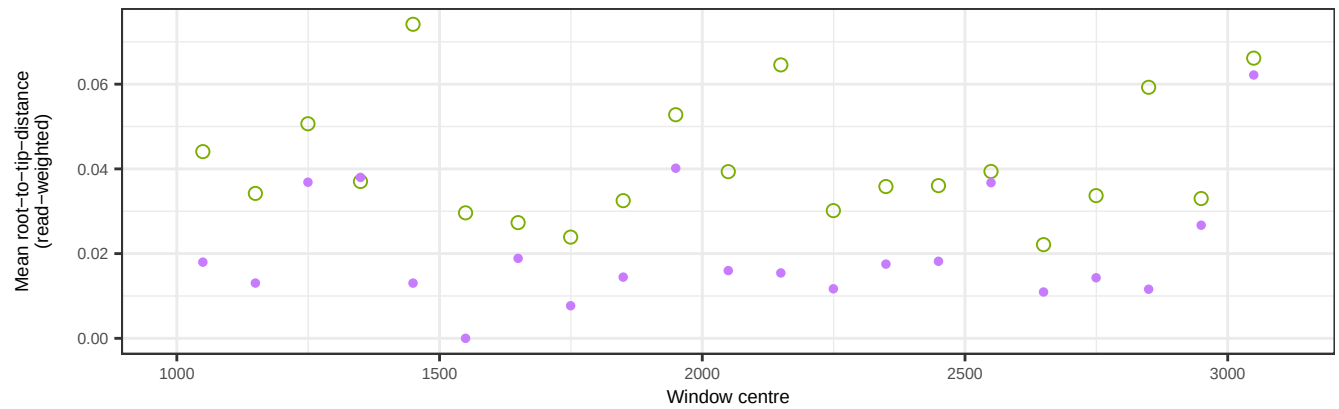

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

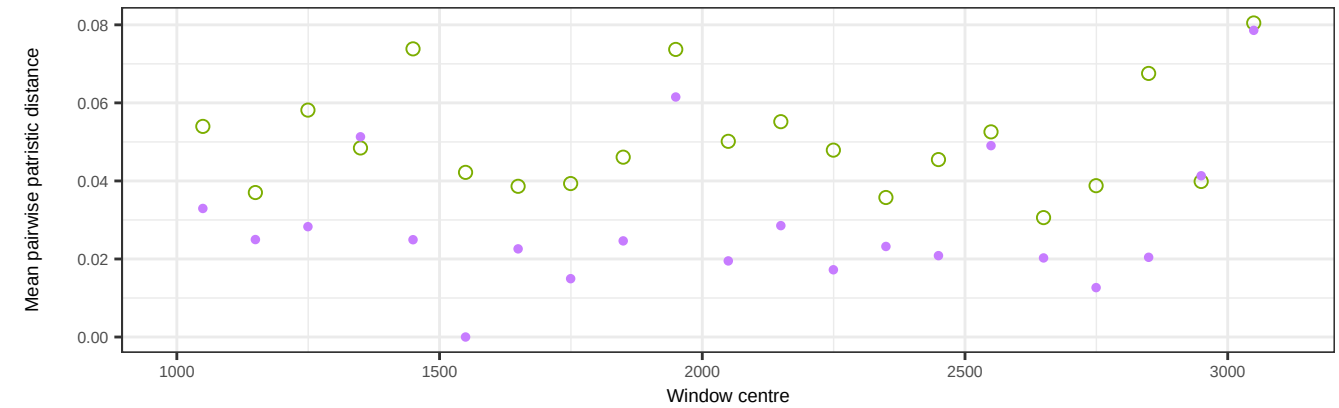

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
9
8
7
6
5
4
3
2
1

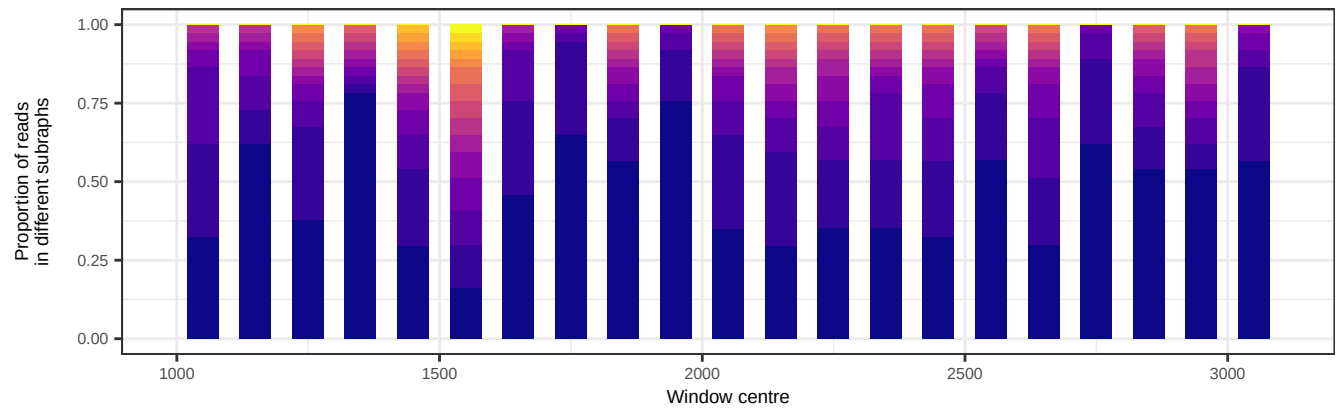
BN25


Tip or read count
37.025
37.000
36.975
36.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

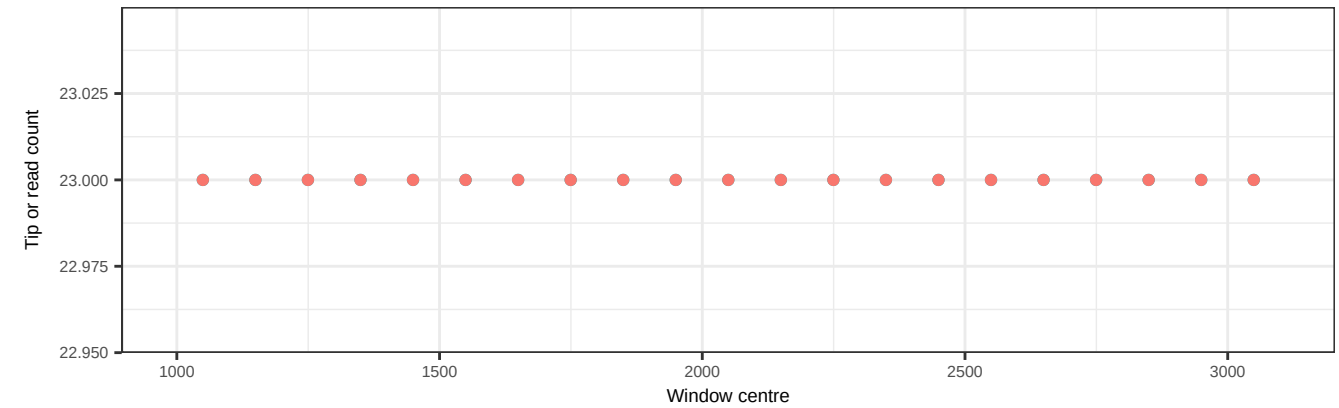

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

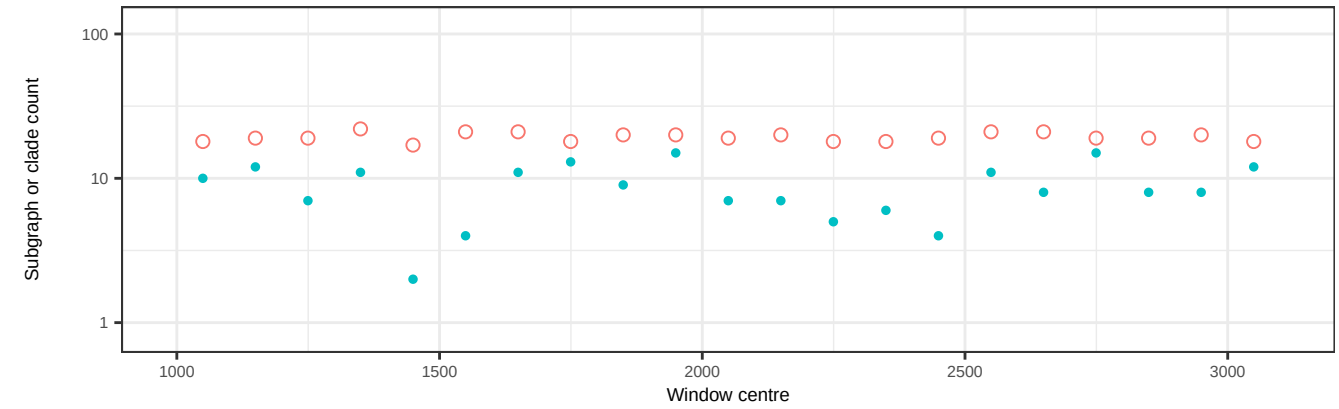

Mean root−to−tip−distance (read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

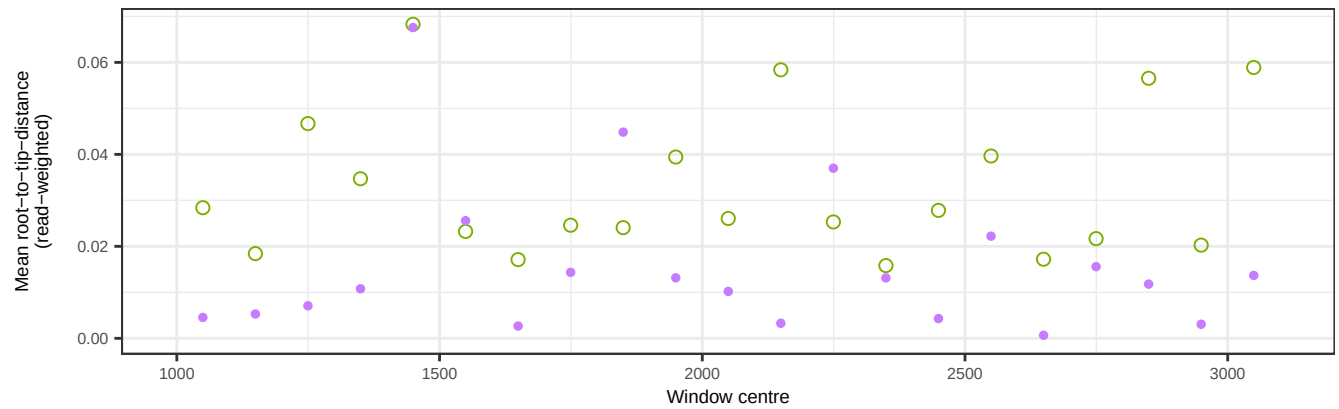

Mean pairwise patristic distance
0.08
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

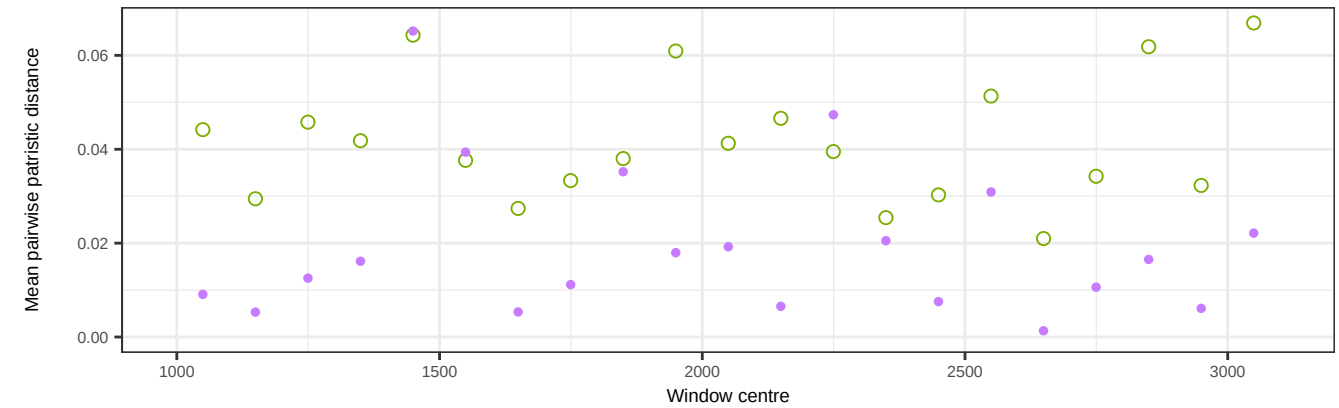

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank (by tip count)
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

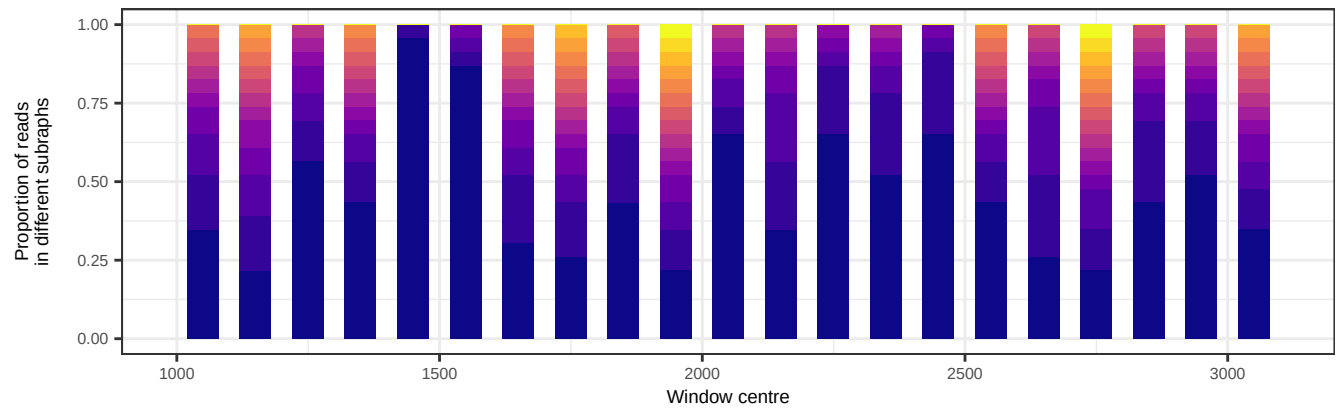
BN35


Tip or read count
23.025
23.000
22.975
22.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

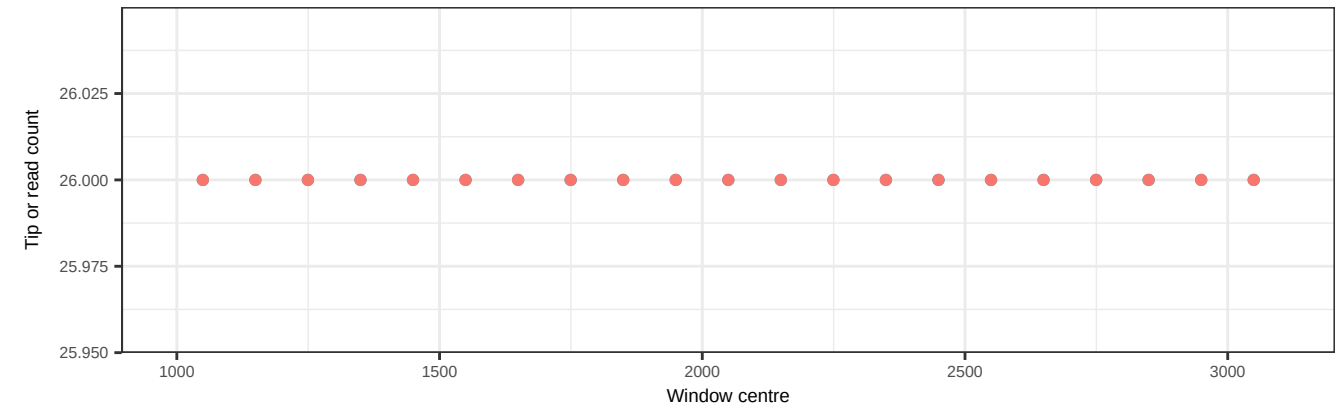

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

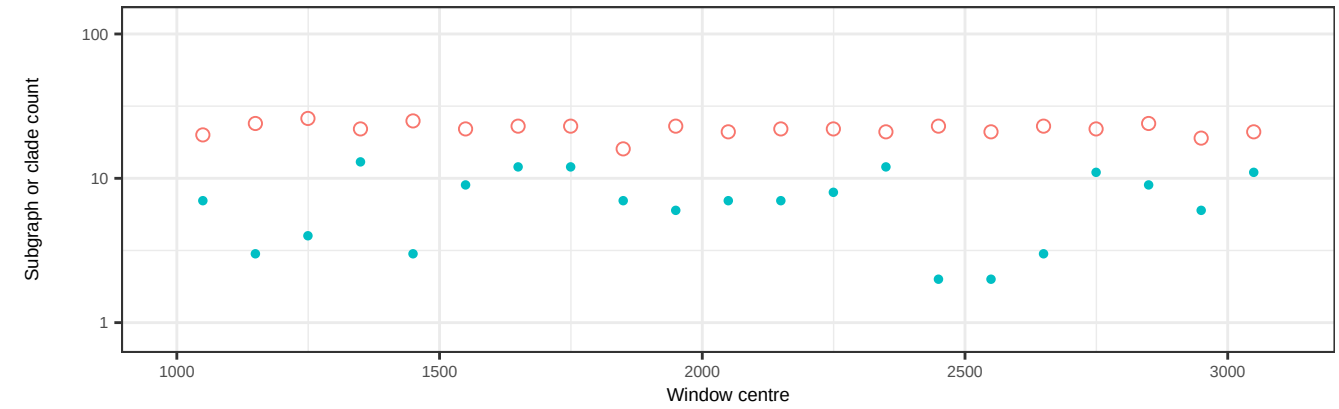

Mean root−to−tip−distance
(read−weighted)
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

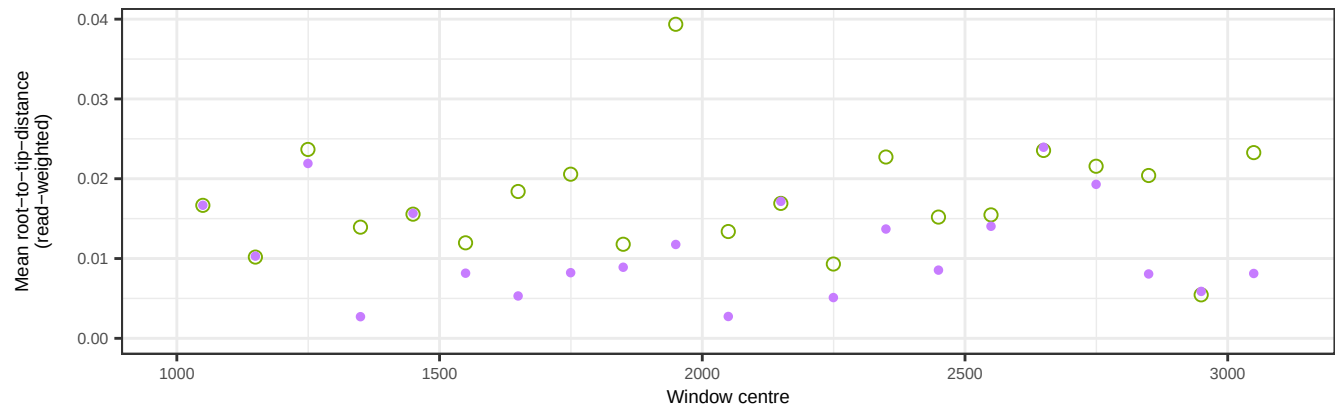

Mean pairwise patristic distance
0.06
0.04
0.02
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

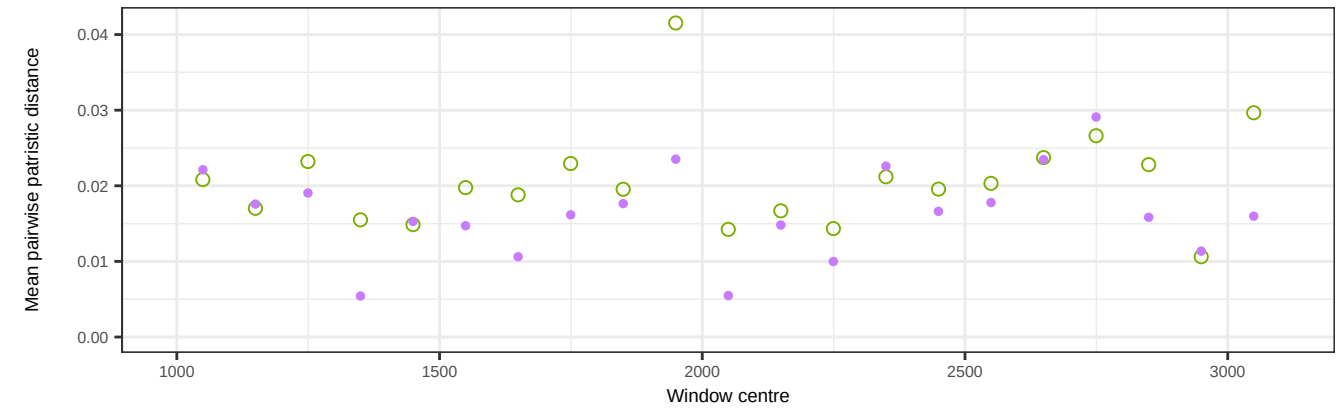

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

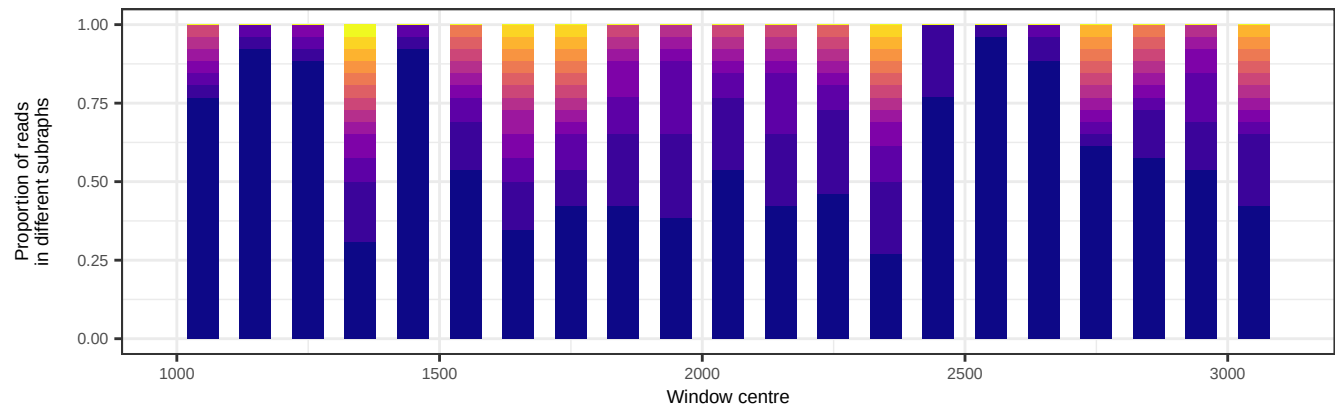
BP22


Tip or read count
26.025
26.000
25.975
25.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

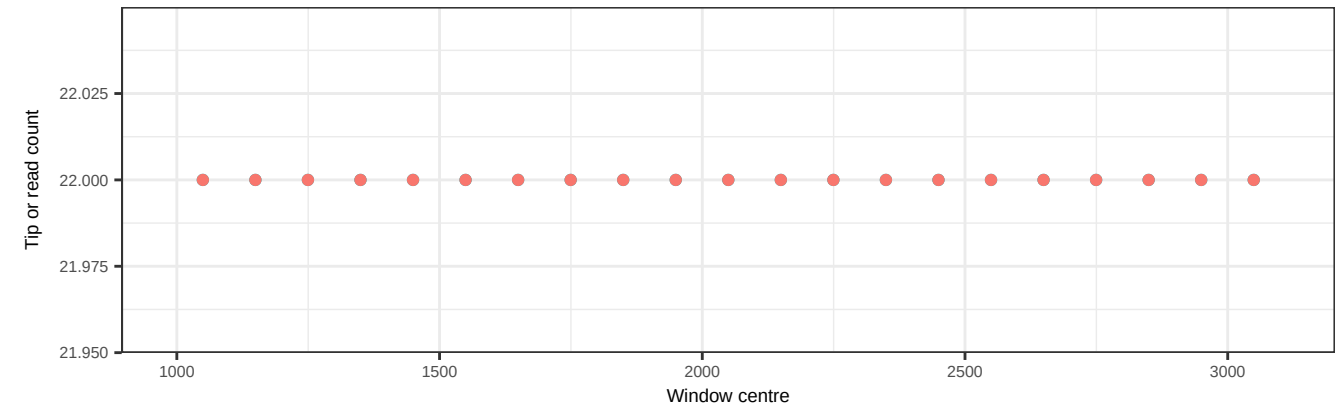

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

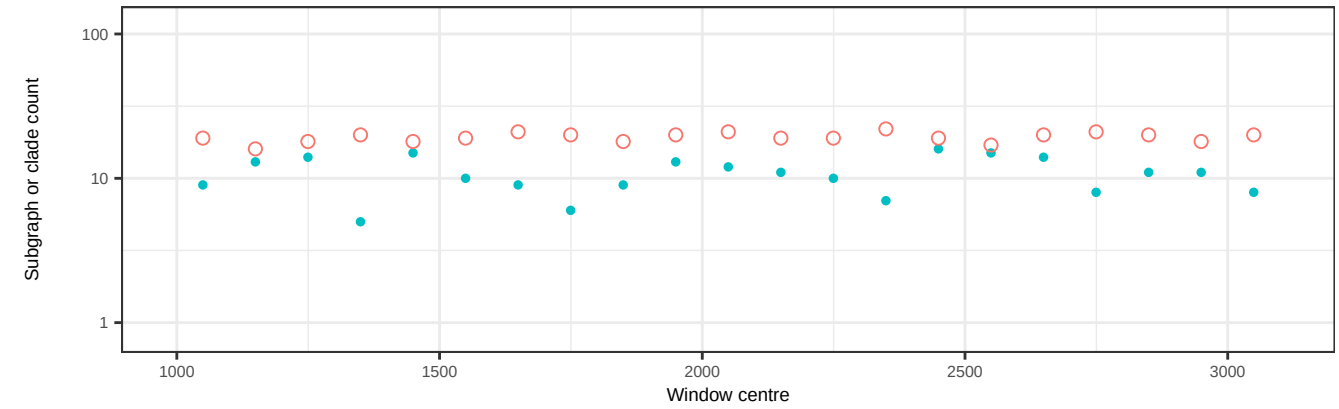

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

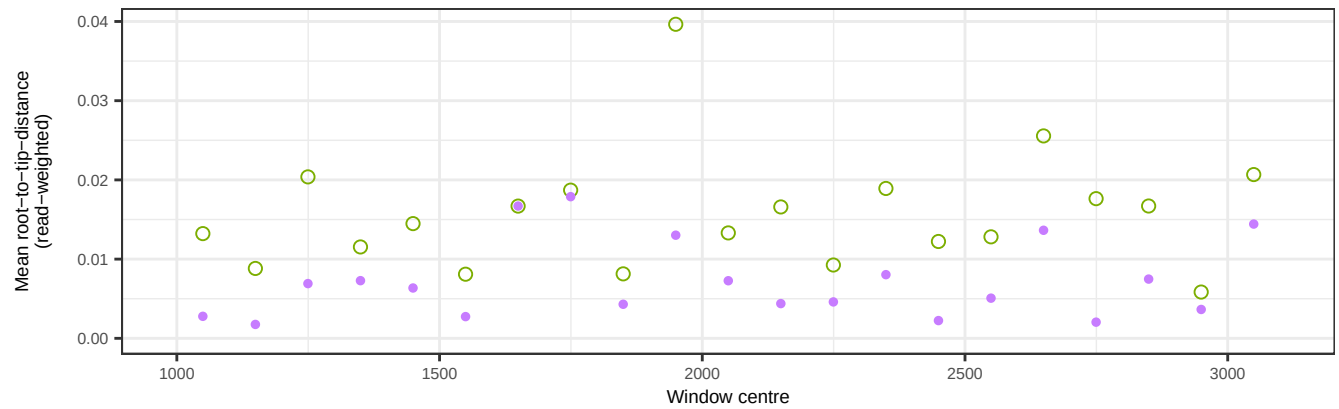

Mean pairwise patristic distance
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

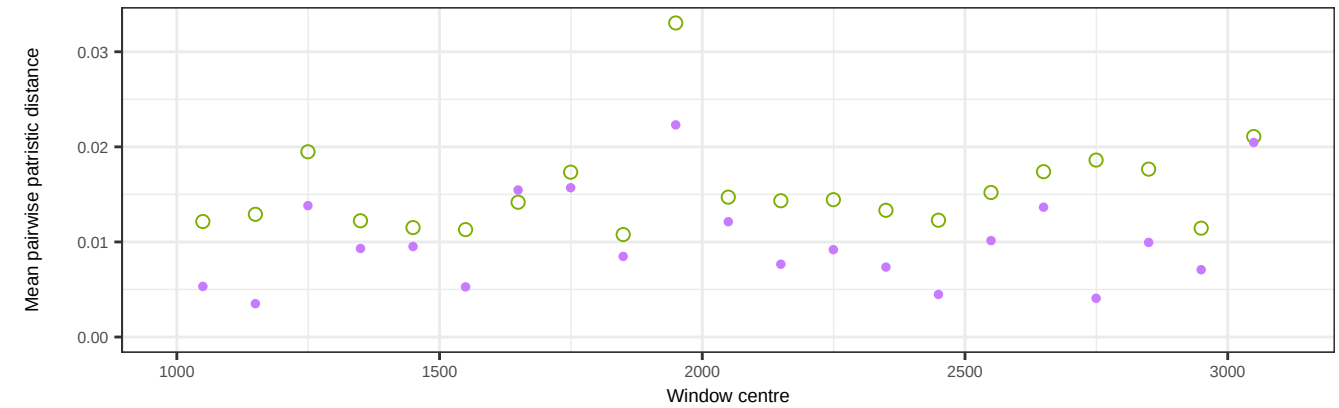

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
13
12
11
10
9
8
7
6
5
4
3
2
1

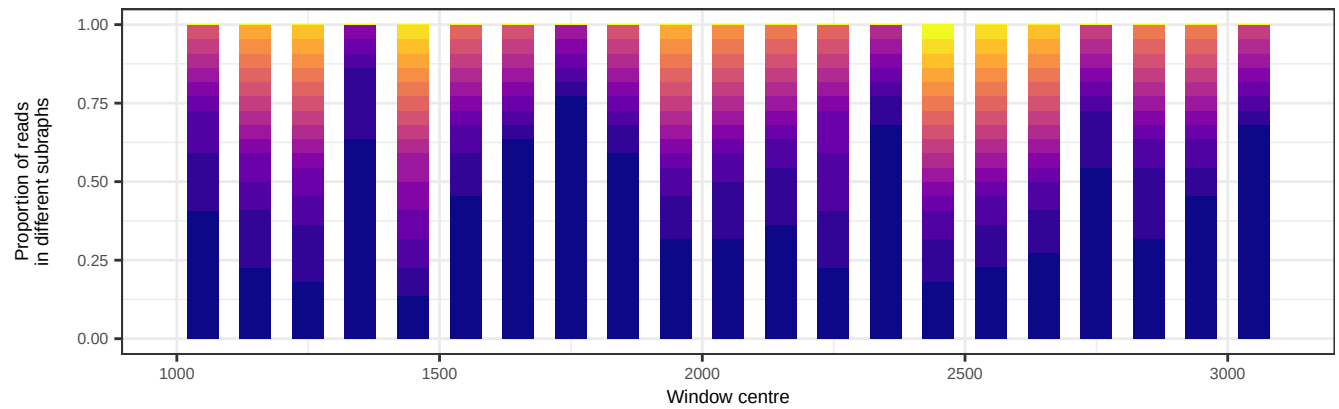
BP45


Tip or read count
22.025
22.000
21.975
21.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

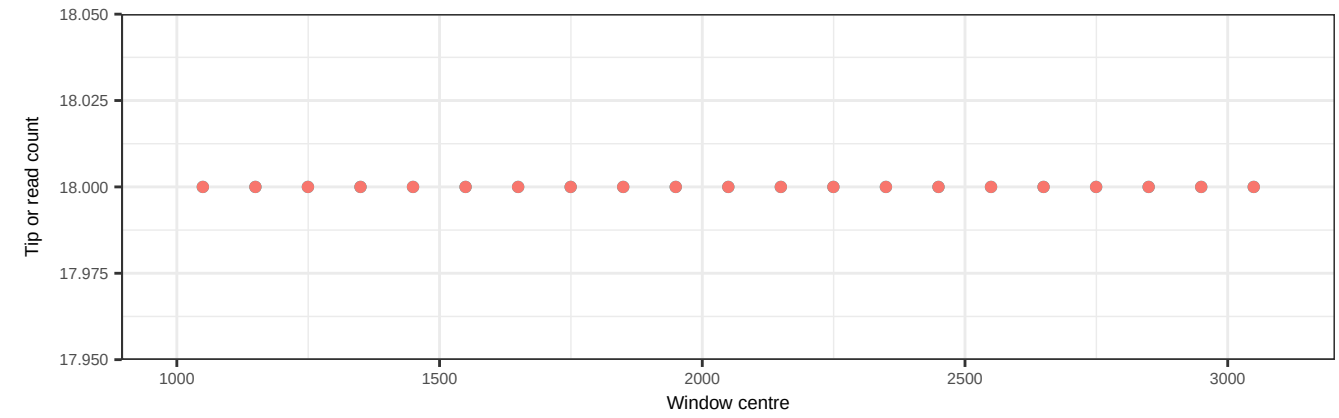

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

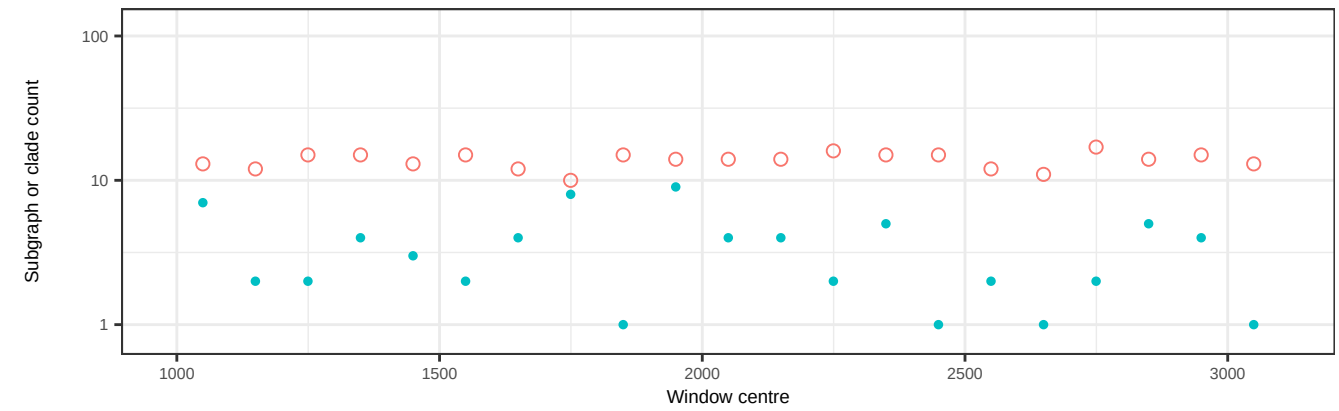

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

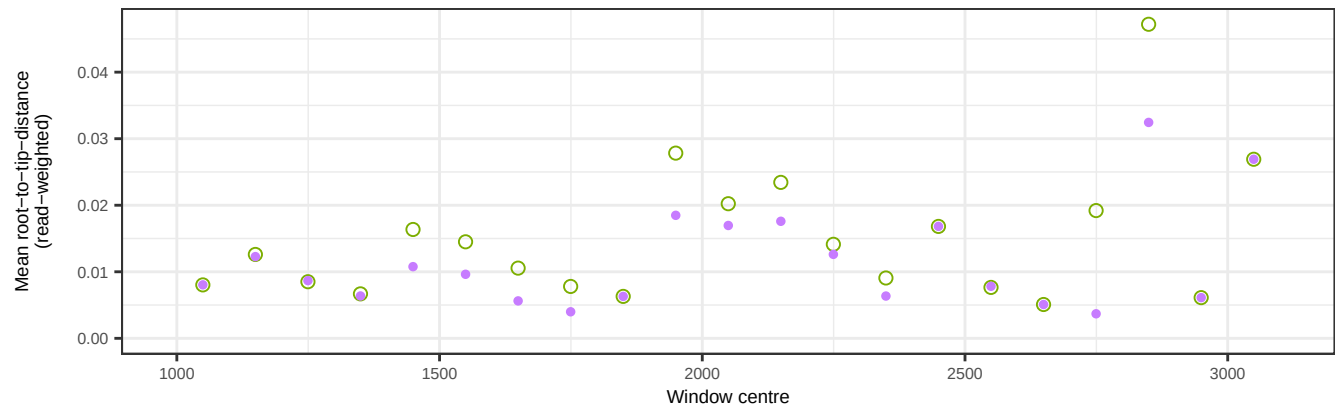

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

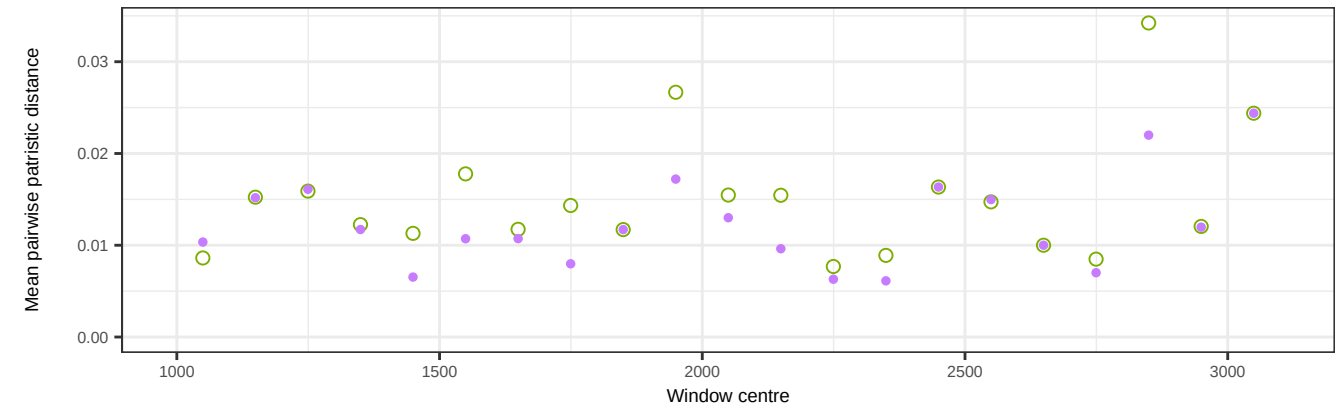

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

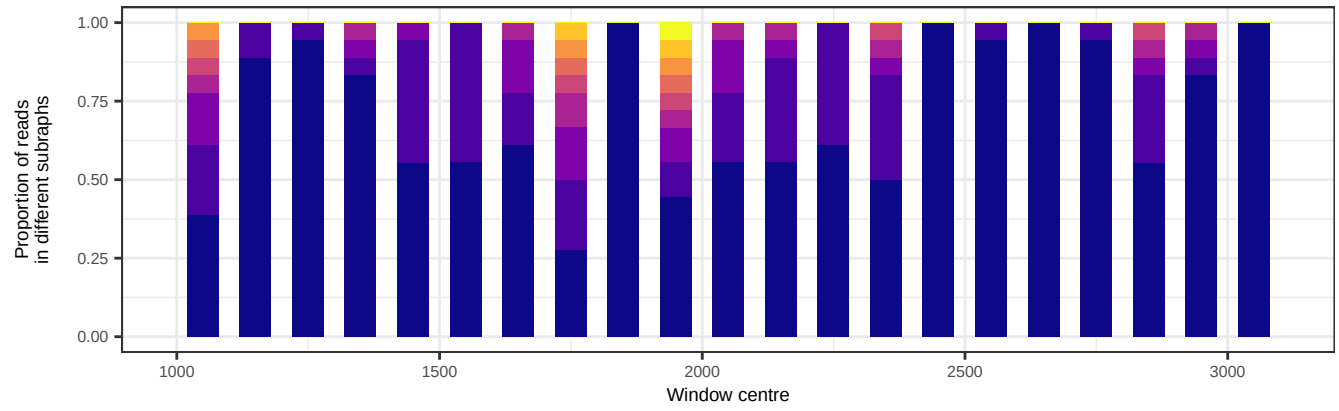
BT51


Tip or read count
18.050
18.025
18.000
17.975
17.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

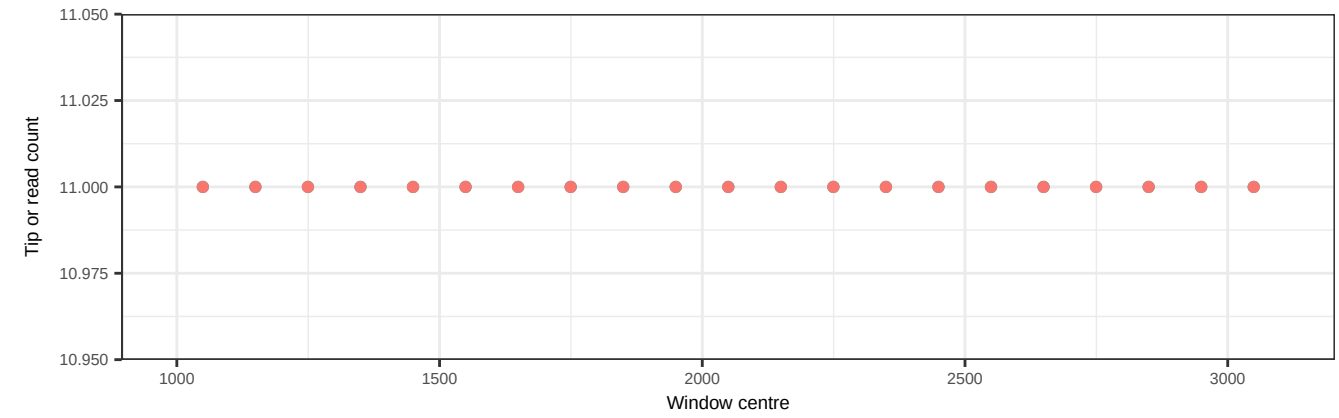

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

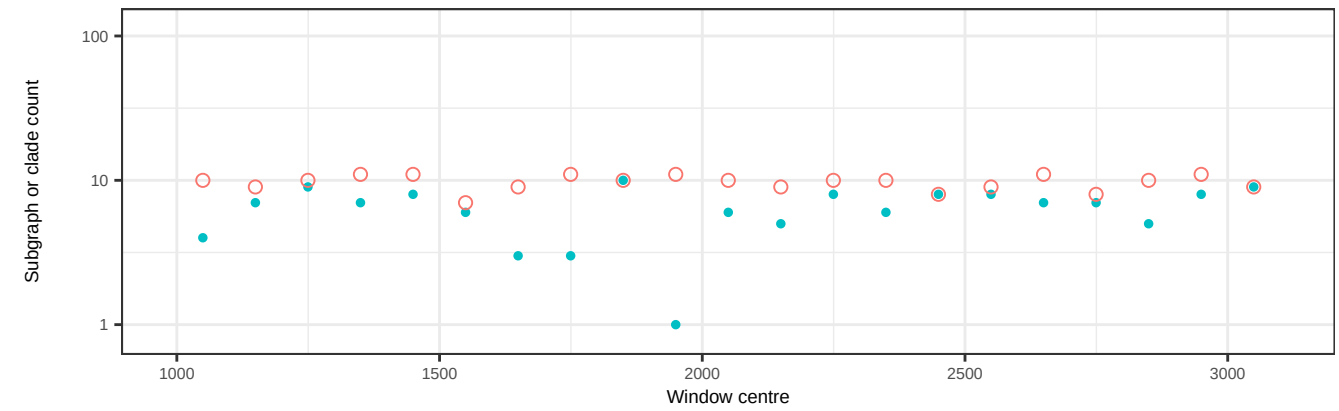

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

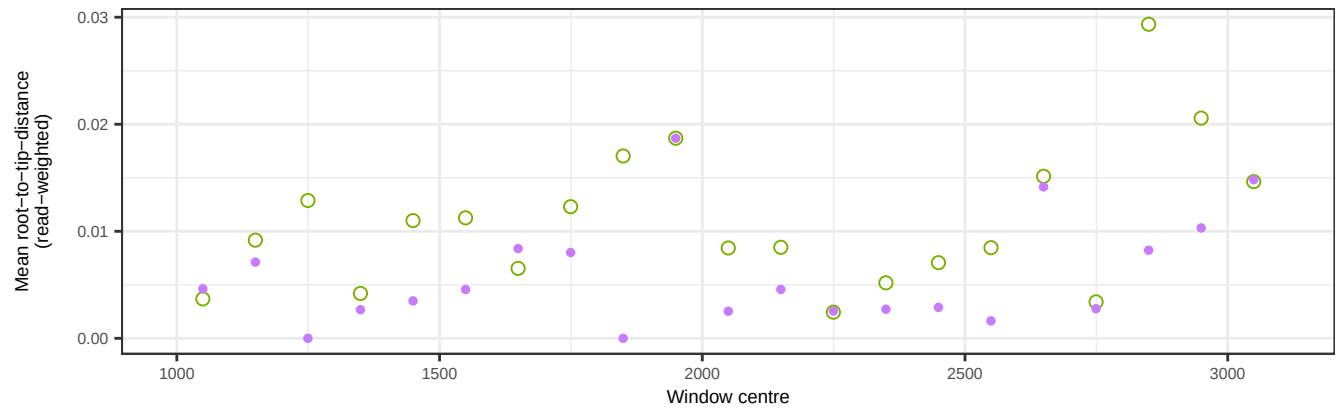

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

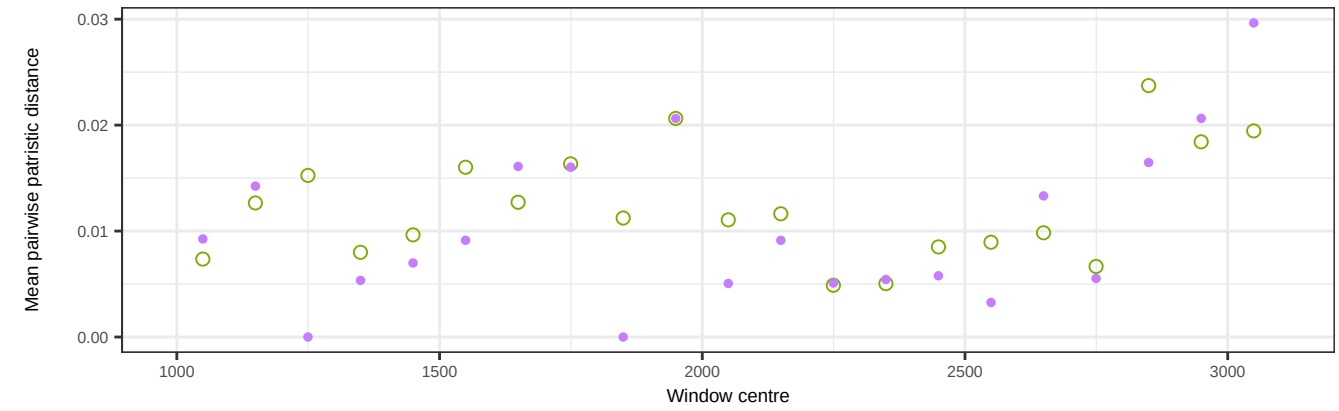

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
9
8
7
6
5
4
3
2
1

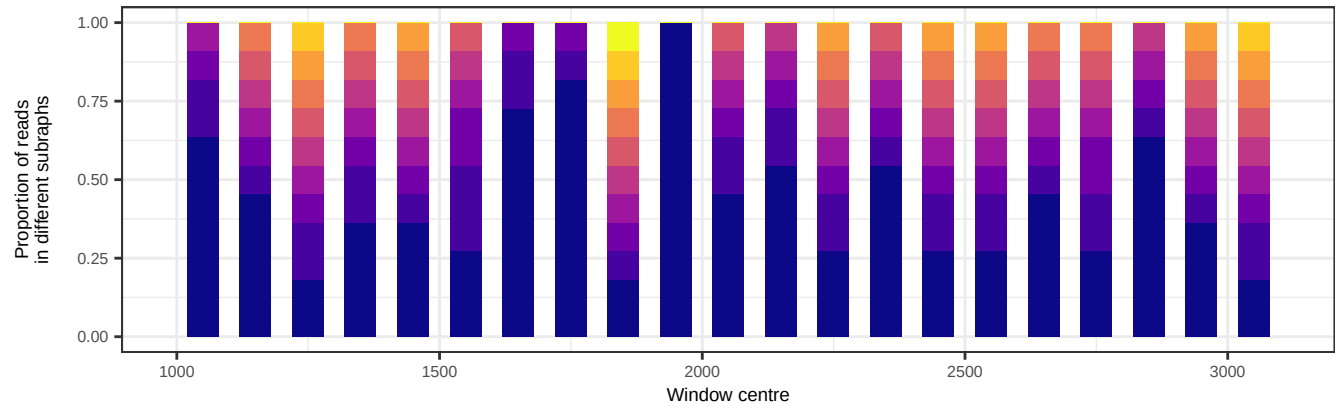
BT68


Tip or read count
11.050
11.025
11.000
10.975
10.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

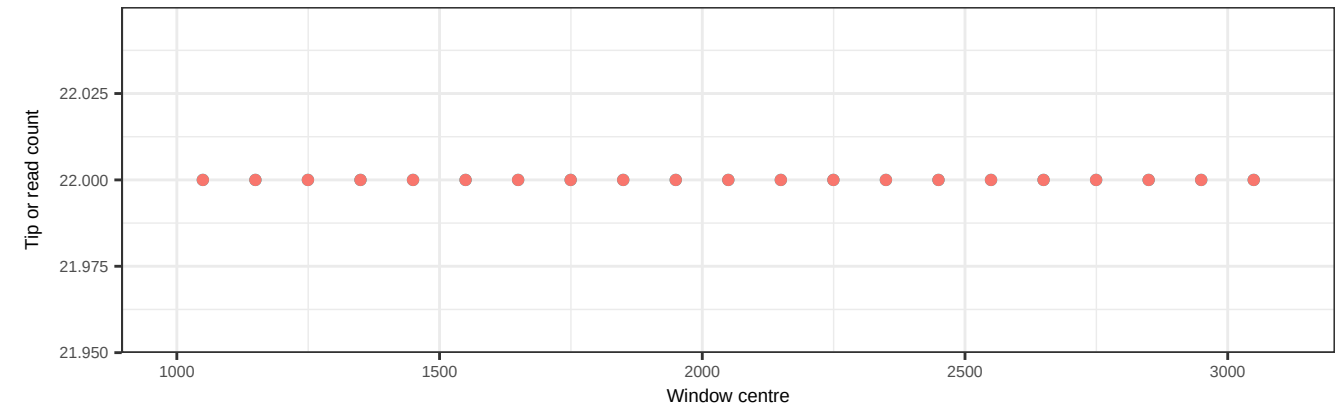

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

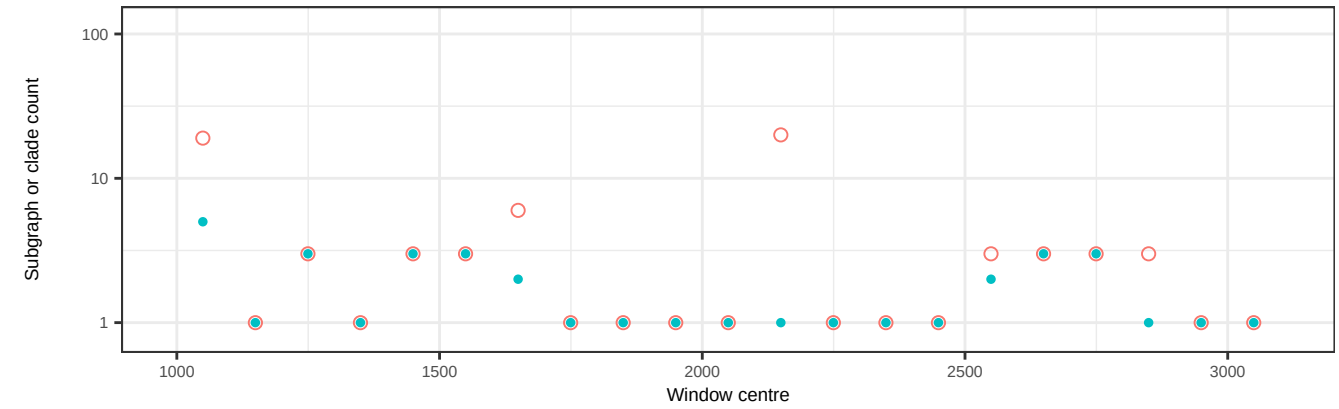

Mean root−to−tip−distance
(read−weighted)
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

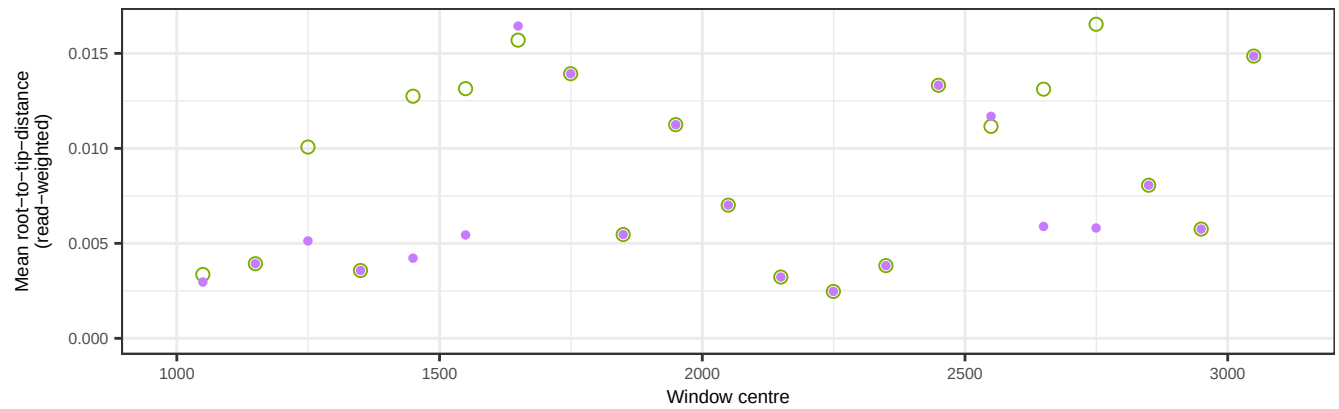

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

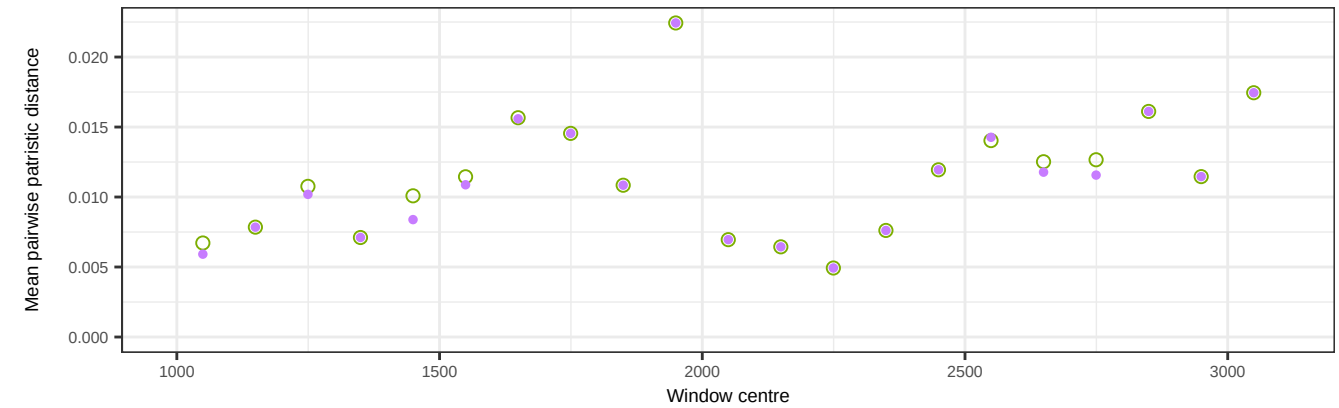

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
10
9
8
7
6
5
4
3
2
1

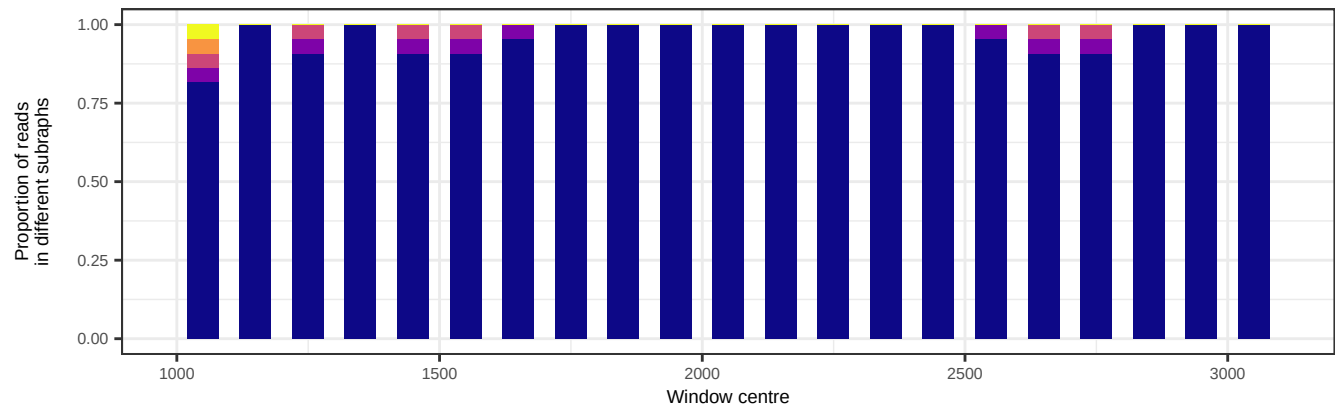
BU18


Tip or read count
22.025
22.000
21.975
21.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

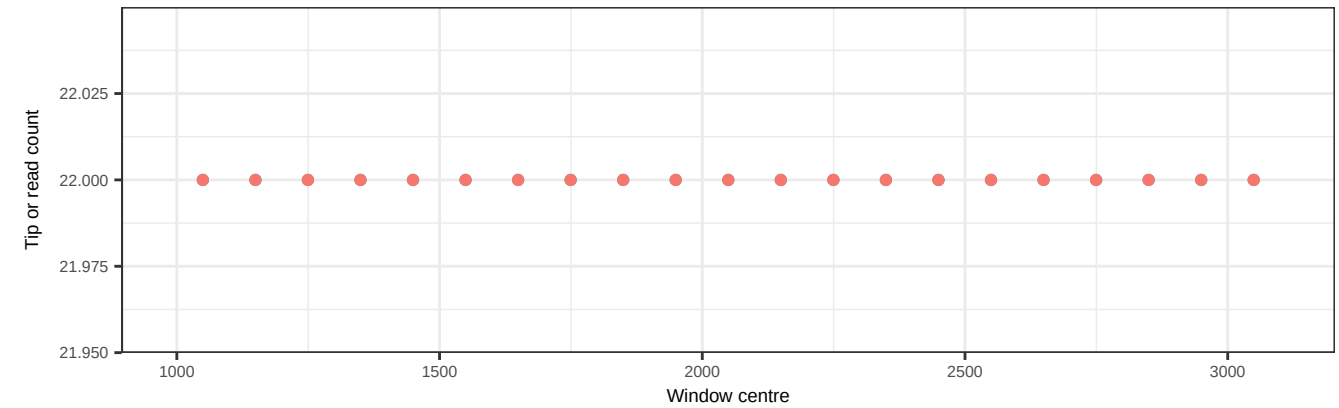

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

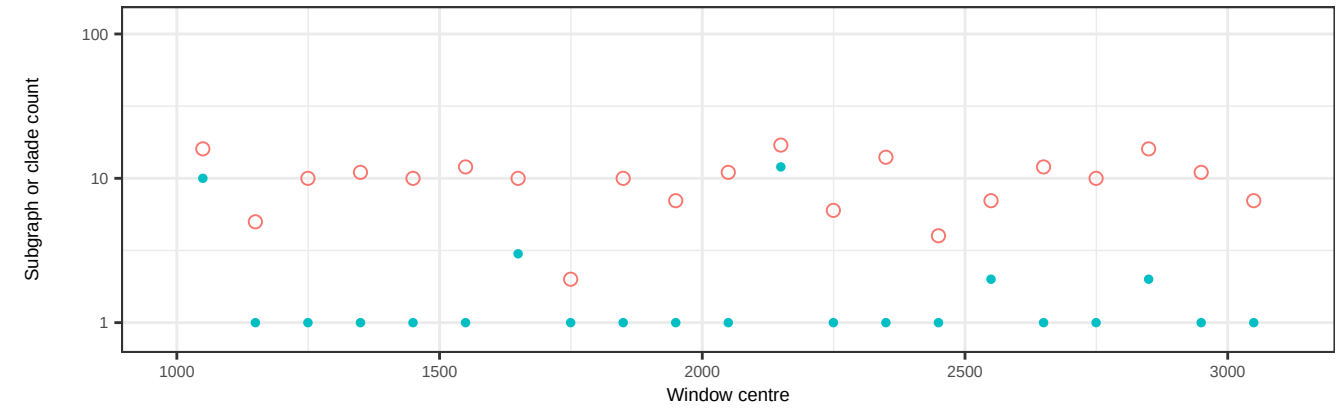

Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

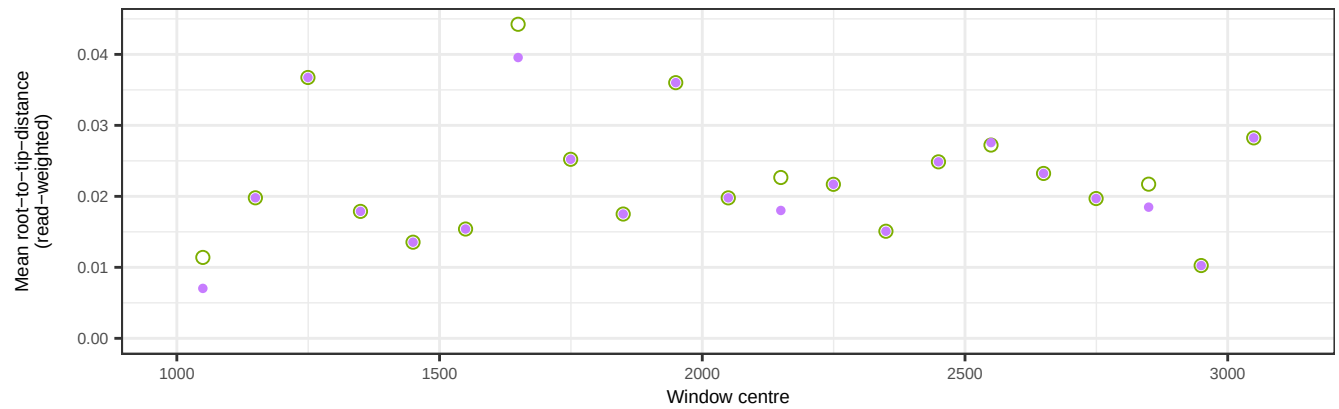

Mean pairwise patristic distance
0.020
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

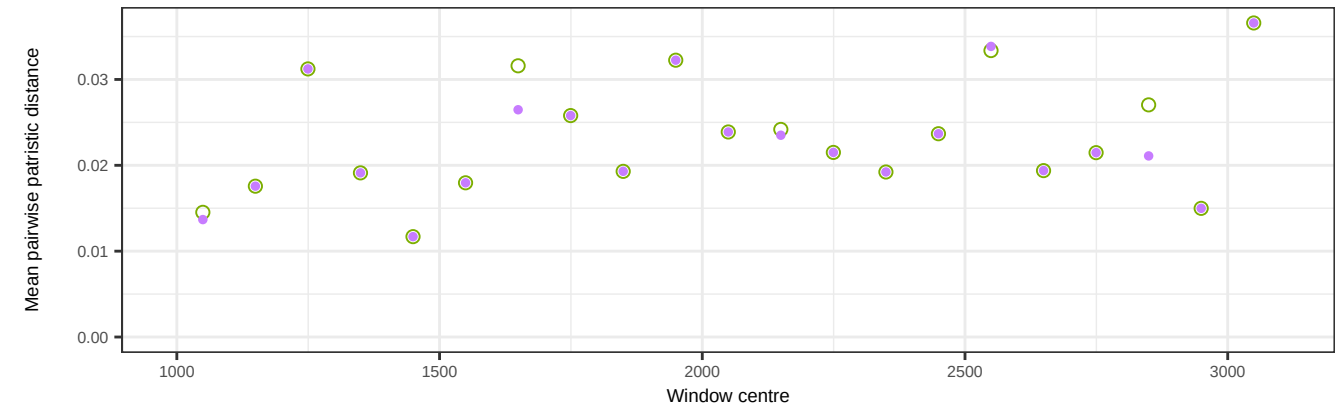

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
5
4
3
2
1

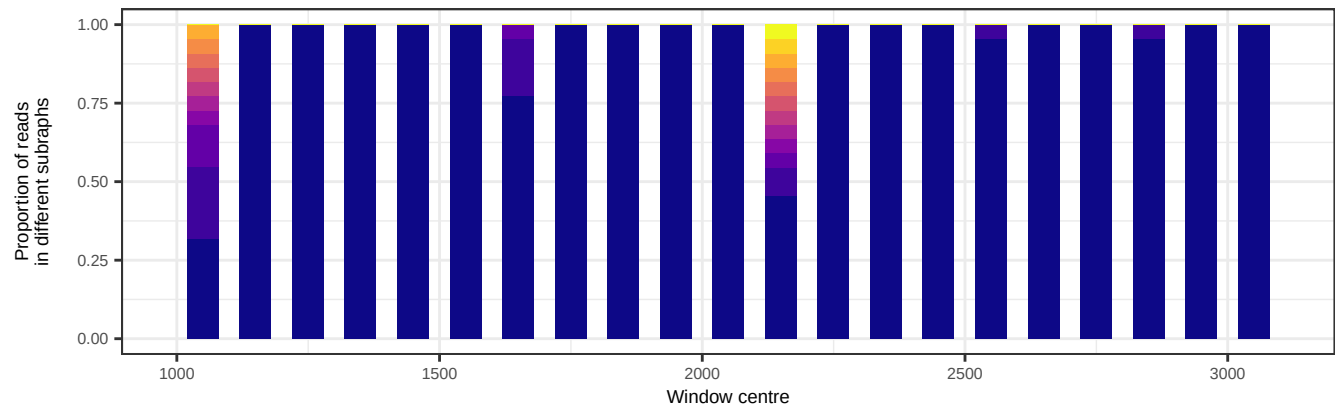
BU23


Tip or read count
22.025
22.000
21.975
21.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

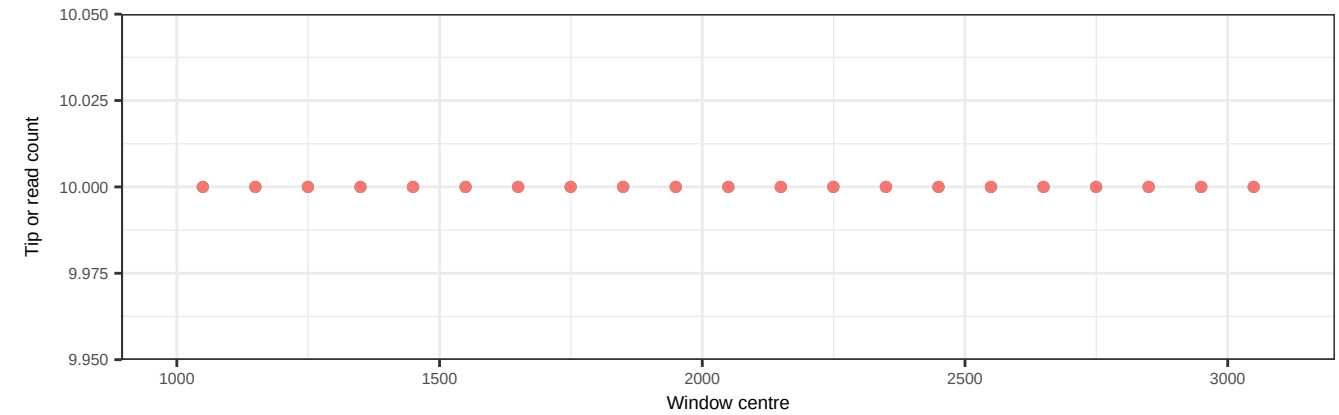

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

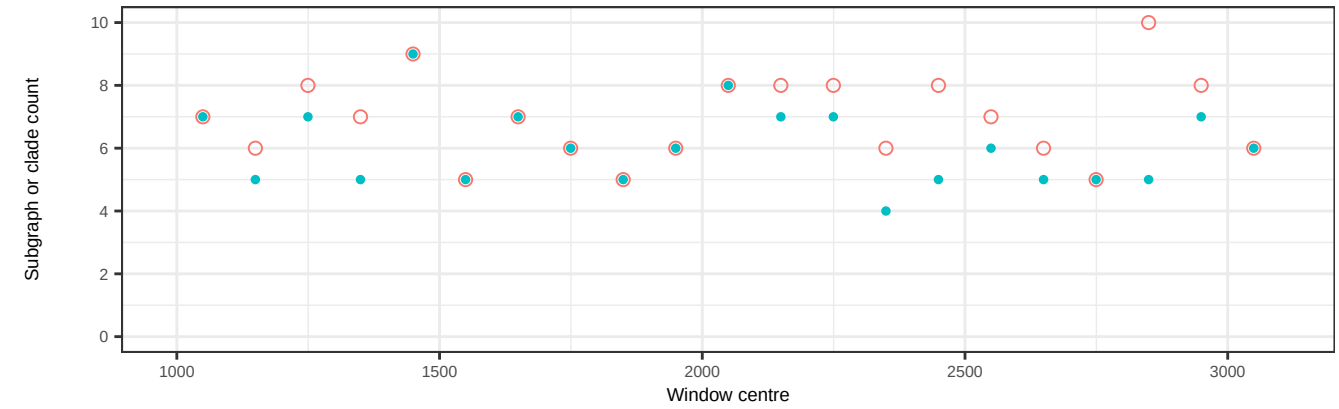

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

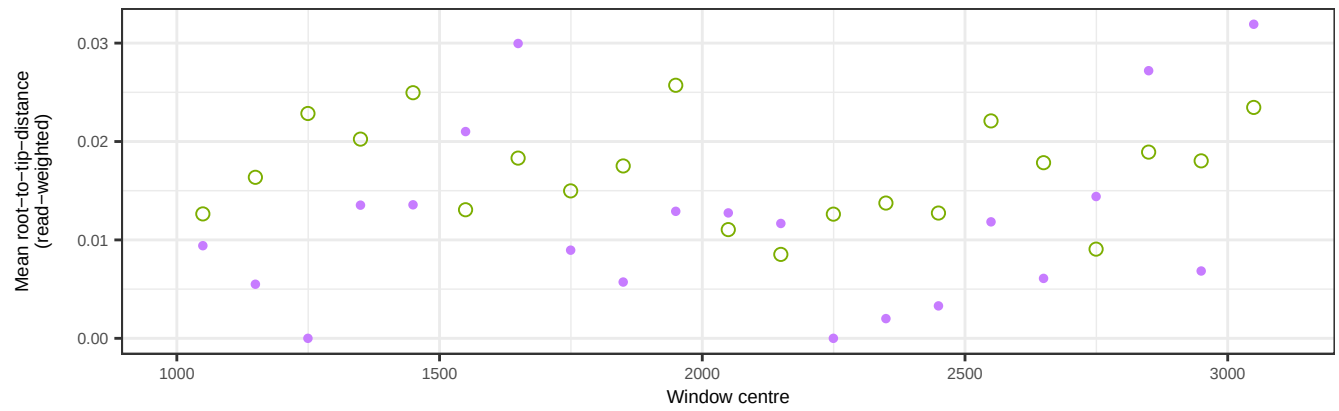

Mean pairwise patristic distance
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

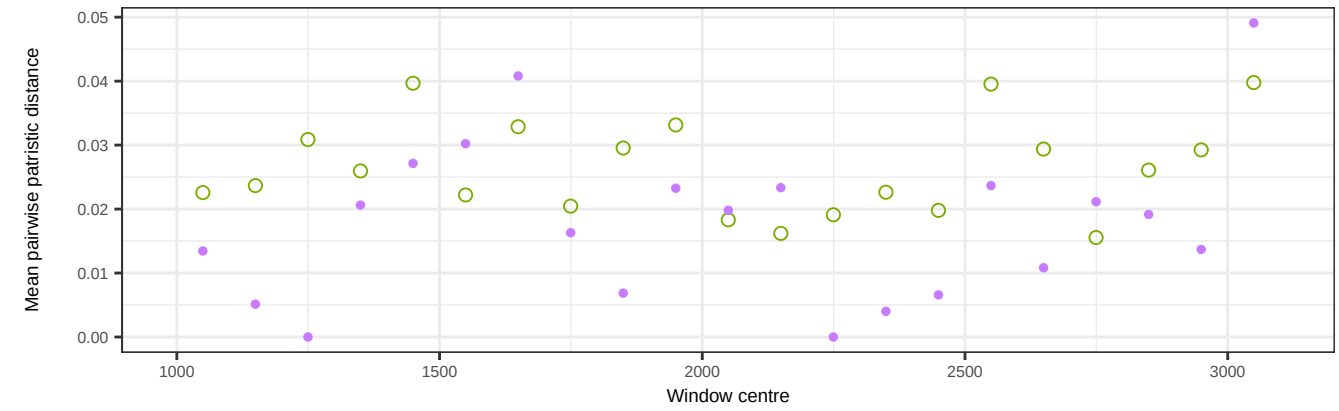

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
12
11
10
9
8
7
6
5
4
3
2
1

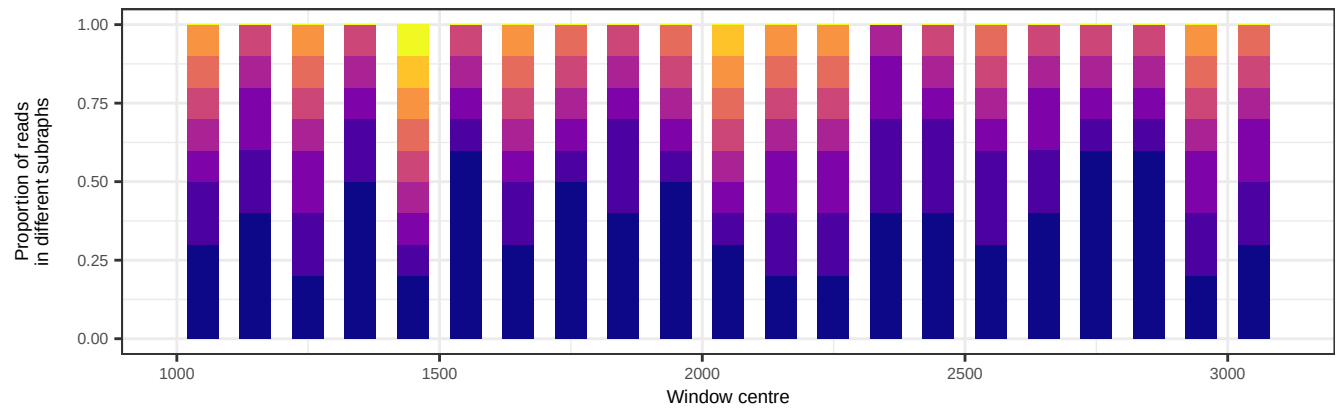
BX1


Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

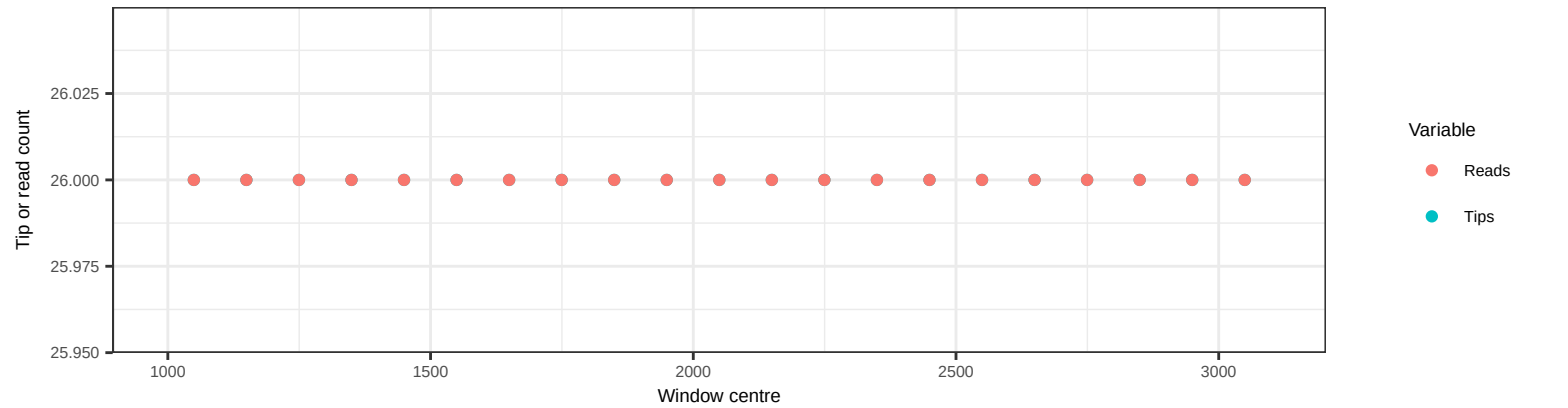

Subgraph or clade count
10
8
6
4
2
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

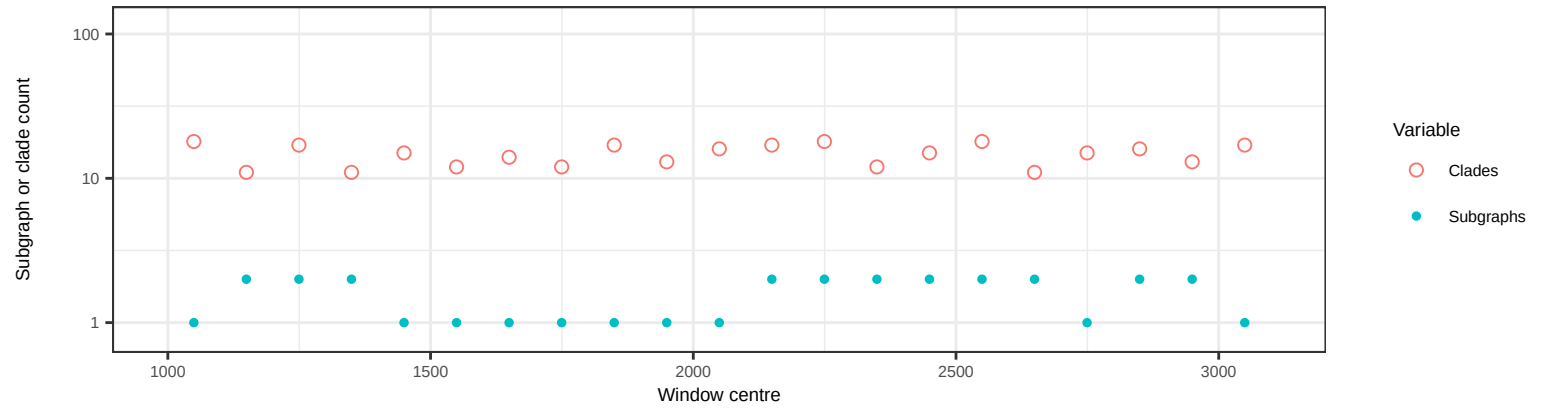

Mean root−to−tip−distance
(read−weighted)
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

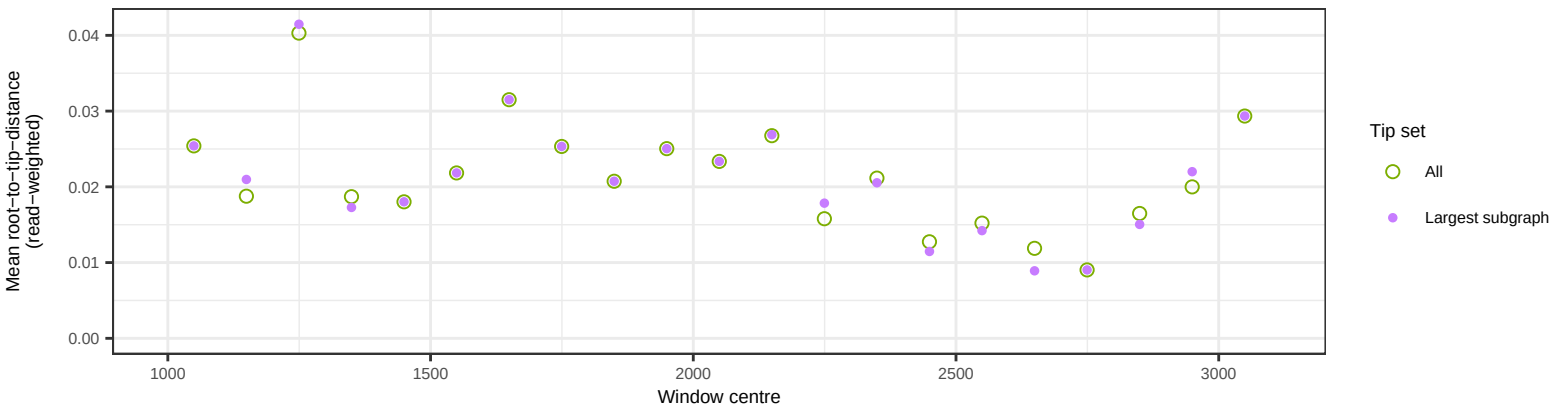

Mean pairwise patristic distance
0.05
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

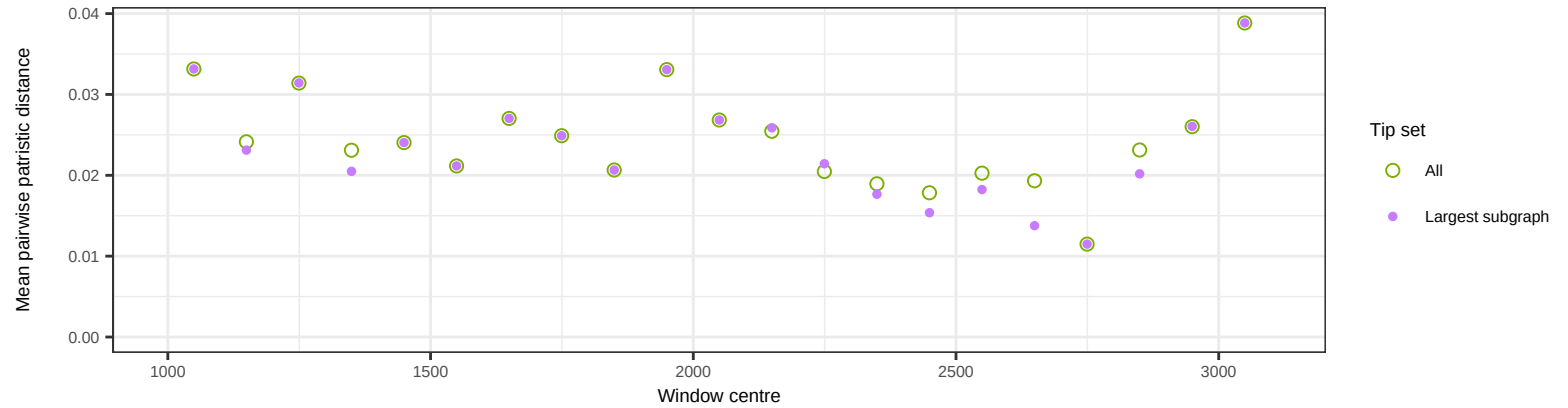

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
9
8
7
6
5
4
3
2
1

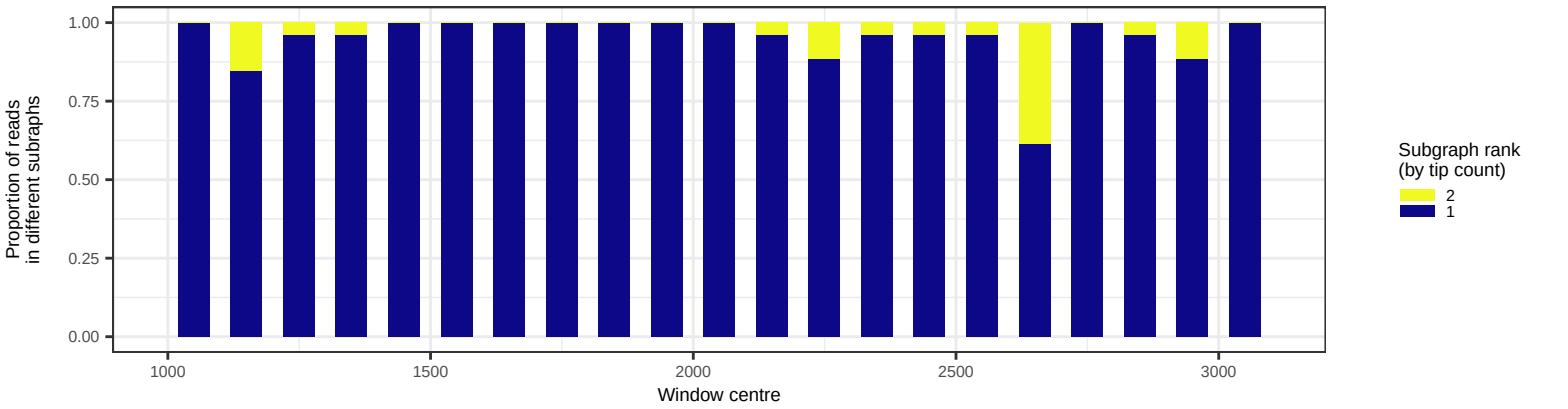
BX100


Tip or read count
26.025
26.000
25.975
25.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips

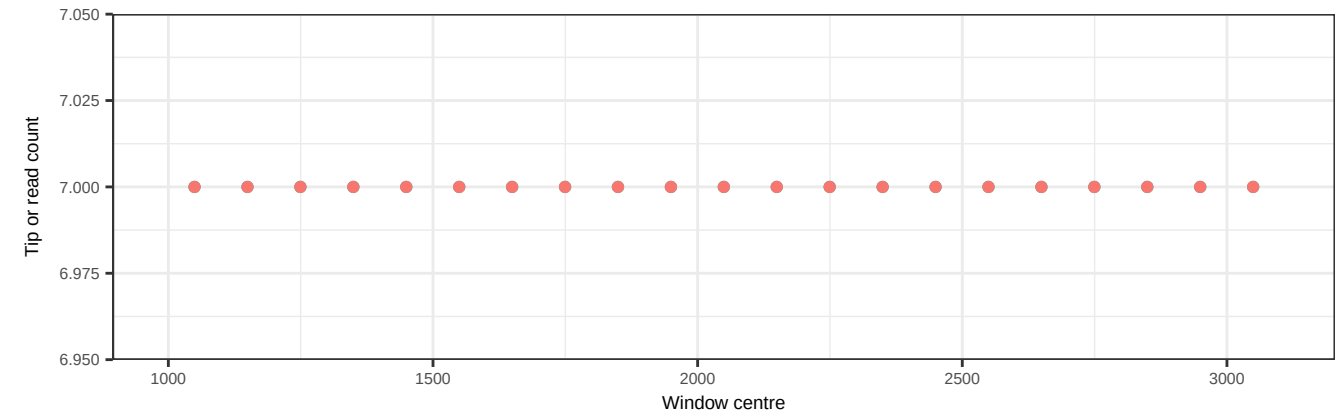

Subgraph or clade count
100
10
1
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs

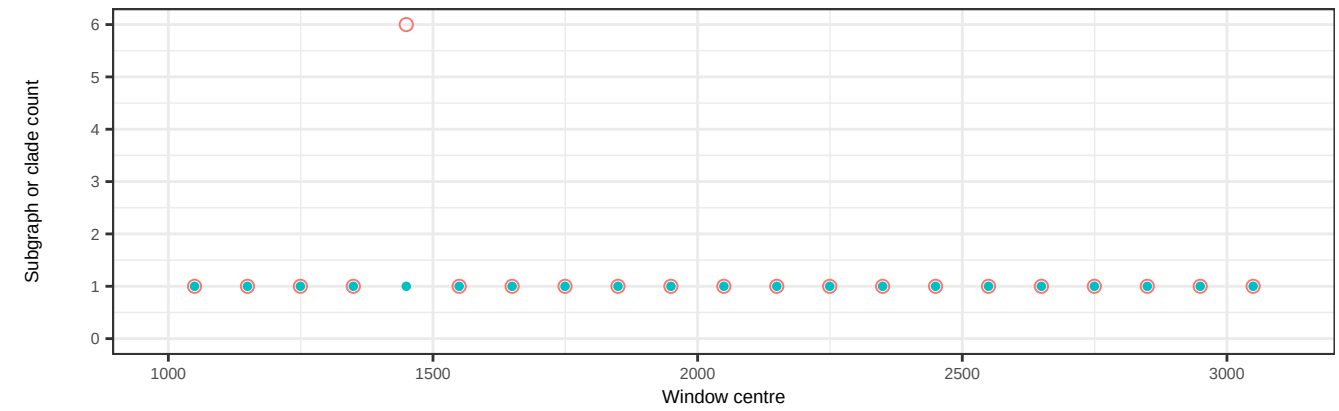

Mean root−to−tip−distance
(read−weighted)
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

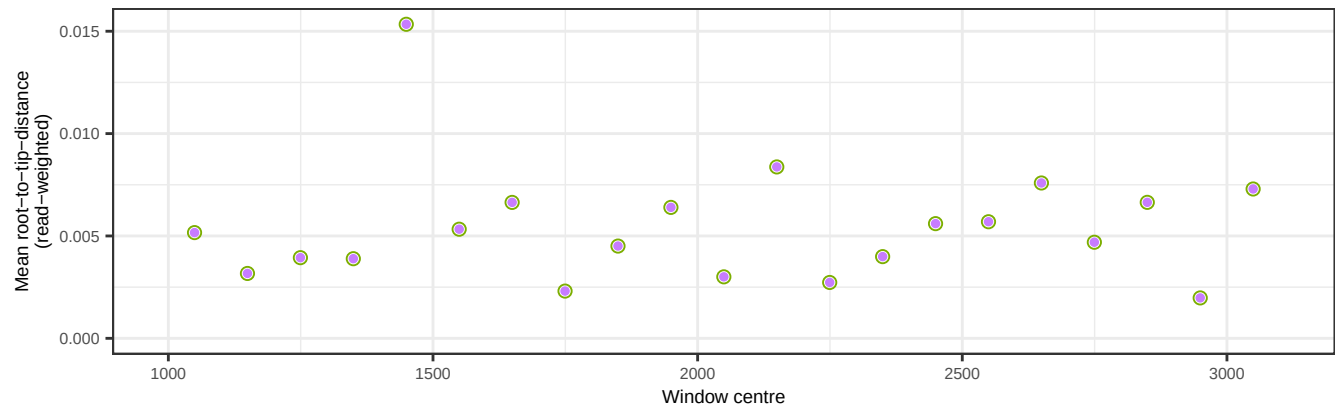

Mean pairwise patristic distance
0.04
0.03
0.02
0.01
0.00
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph

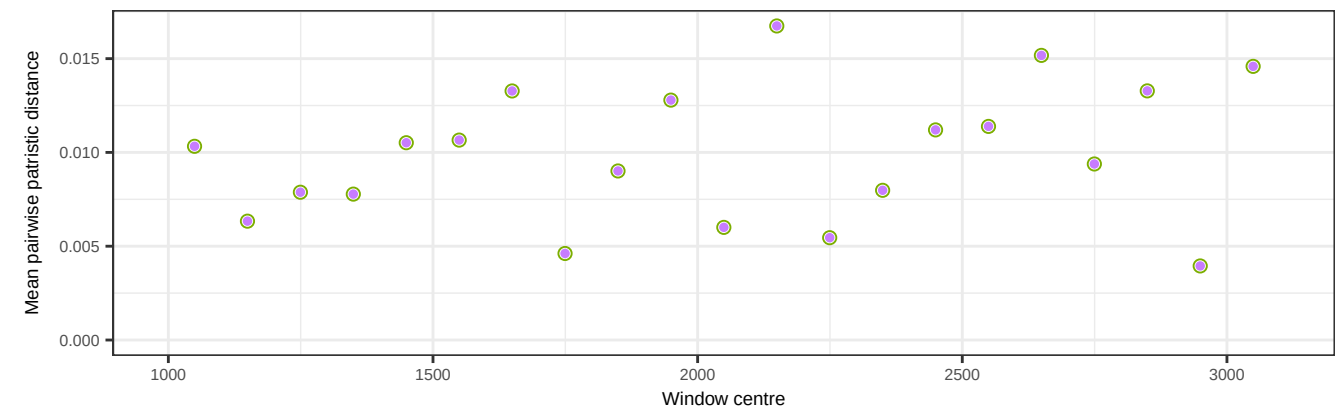

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
2
1

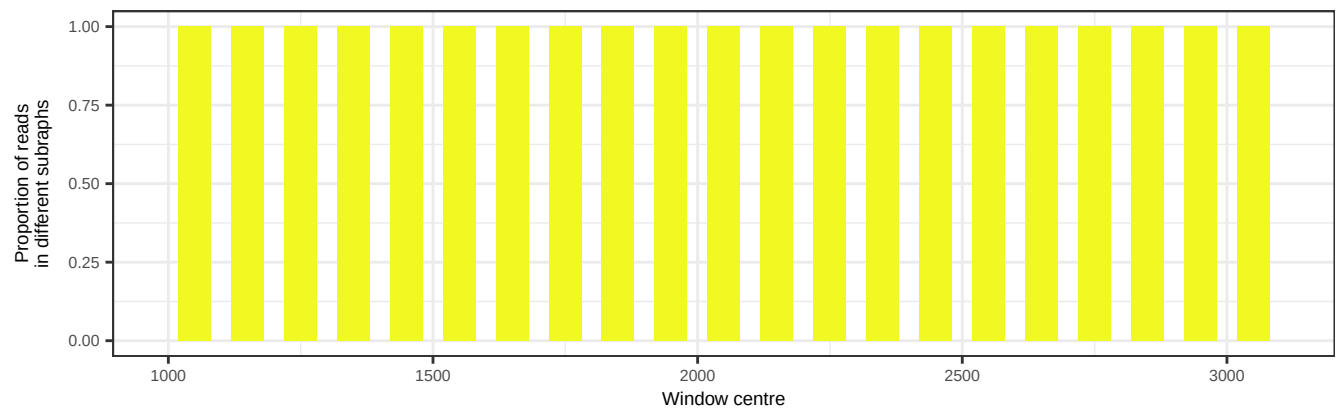
BX308


Tip or read count
7.050
7.025
7.000
6.975
6.950
1000
1500
2000
2500
3000
Window centre
Variable
Reads
Tips


Subgraph or clade count
6
5
4
3
2
1
0
1000
1500
2000
2500
3000
Window centre
Variable
Clades
Subgraphs


Mean root−to−tip−distance
(read−weighted)
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph


Mean pairwise patristic distance
0.015
0.010
0.005
0.000
1000
1500
2000
2500
3000
Window centre
Tip set
All
Largest subgraph


Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1500
2000
2500
3000
Window centre
Subgraph rank
(by tip count)
1