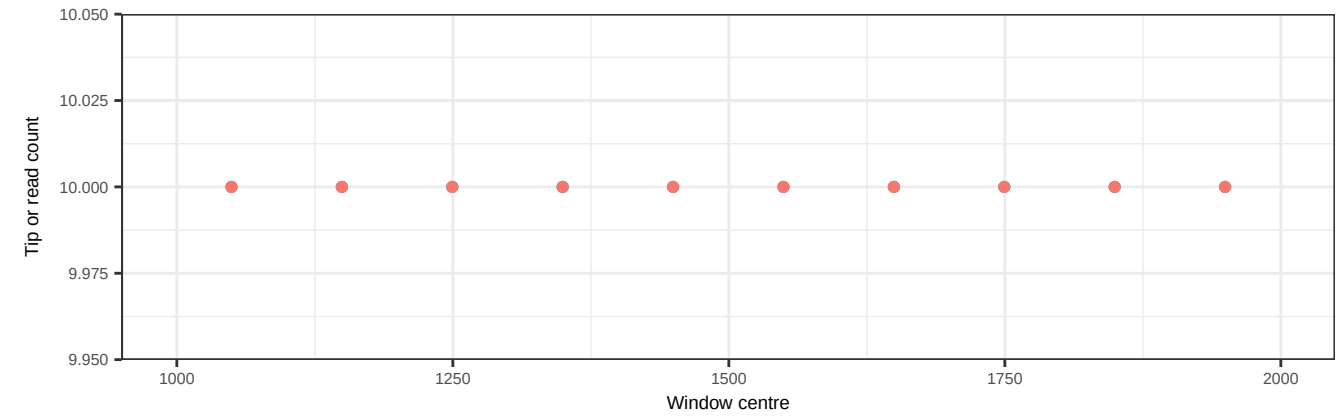
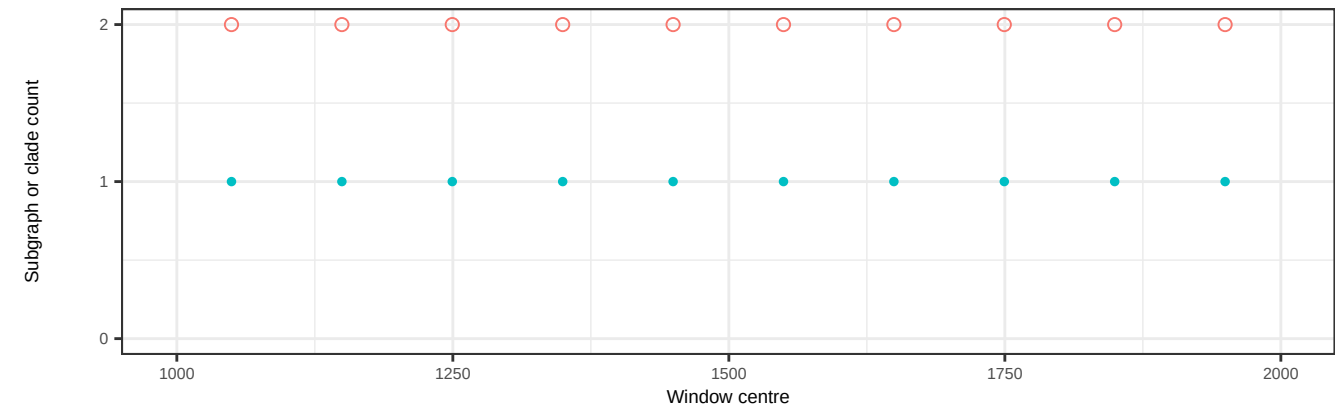
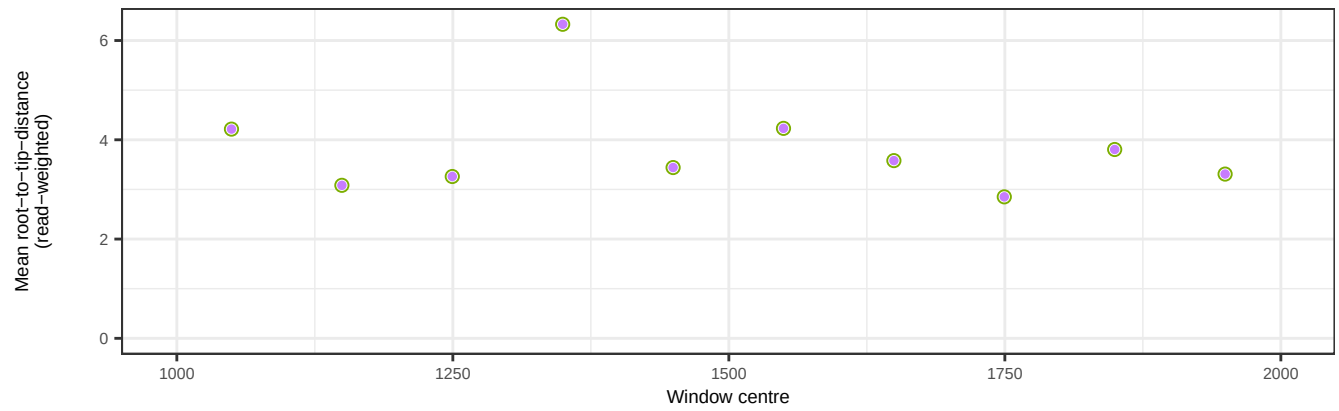
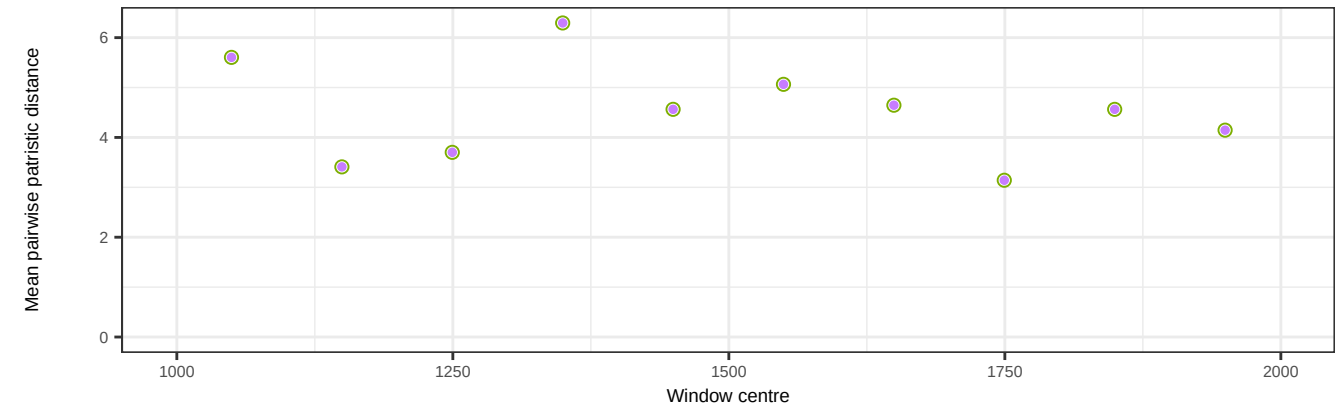
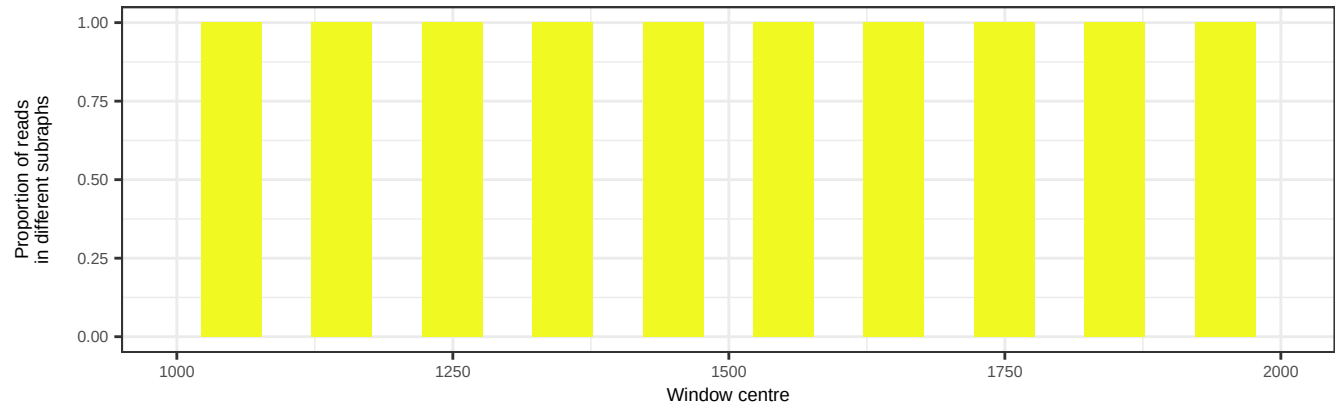
0

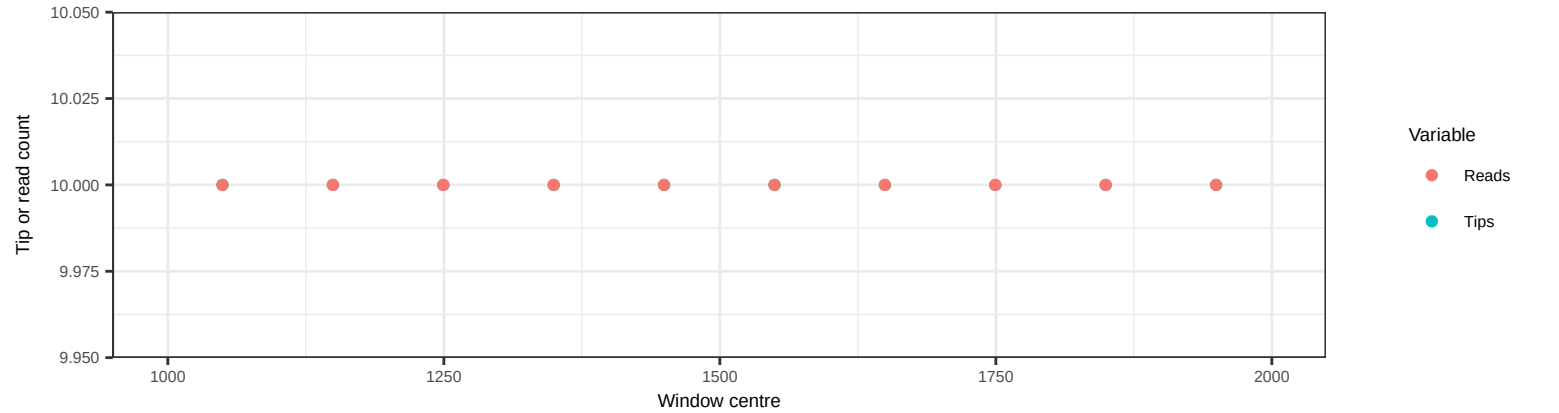

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

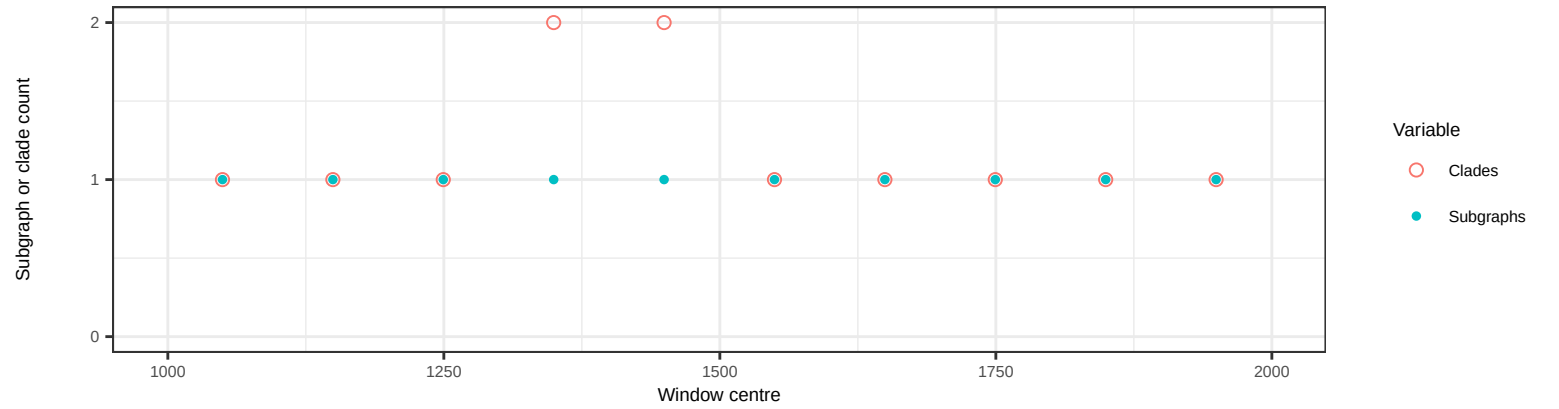

Subgraph or clade count
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

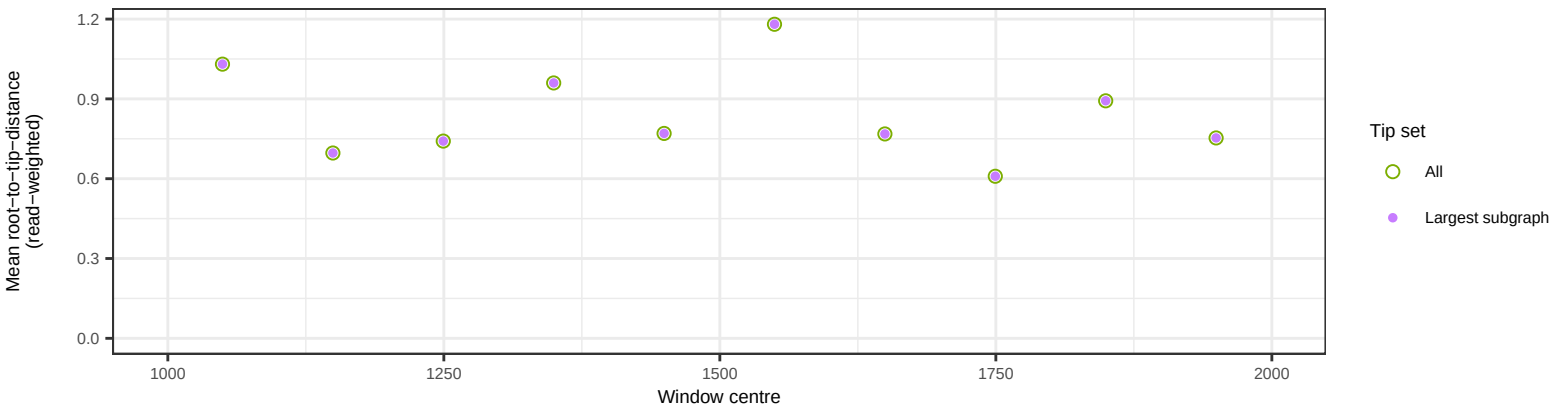

Mean root−to−tip−distance
(read−weighted)
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

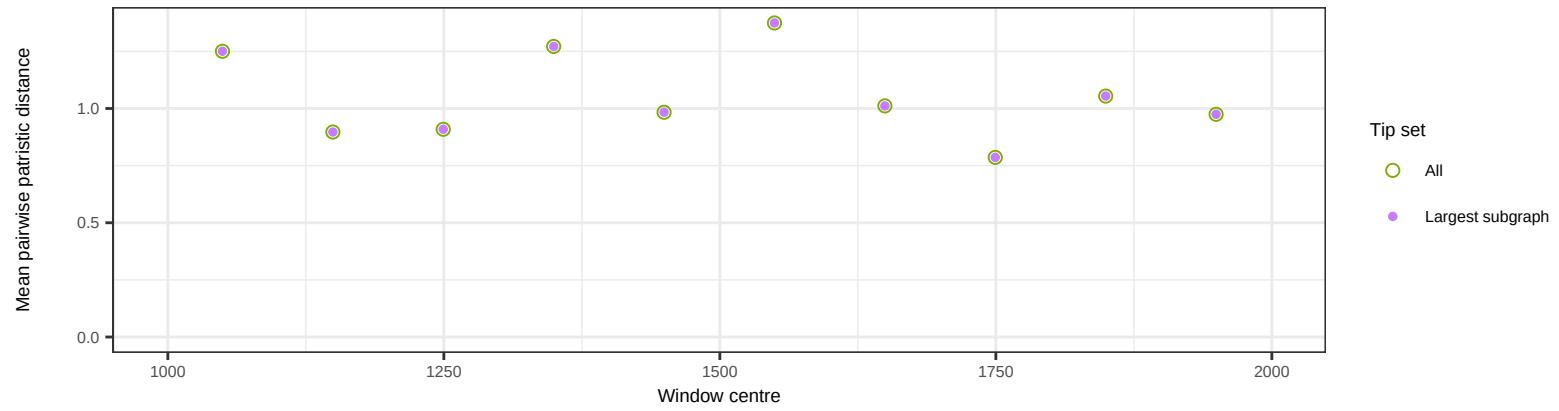

Mean pairwise patristic distance
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

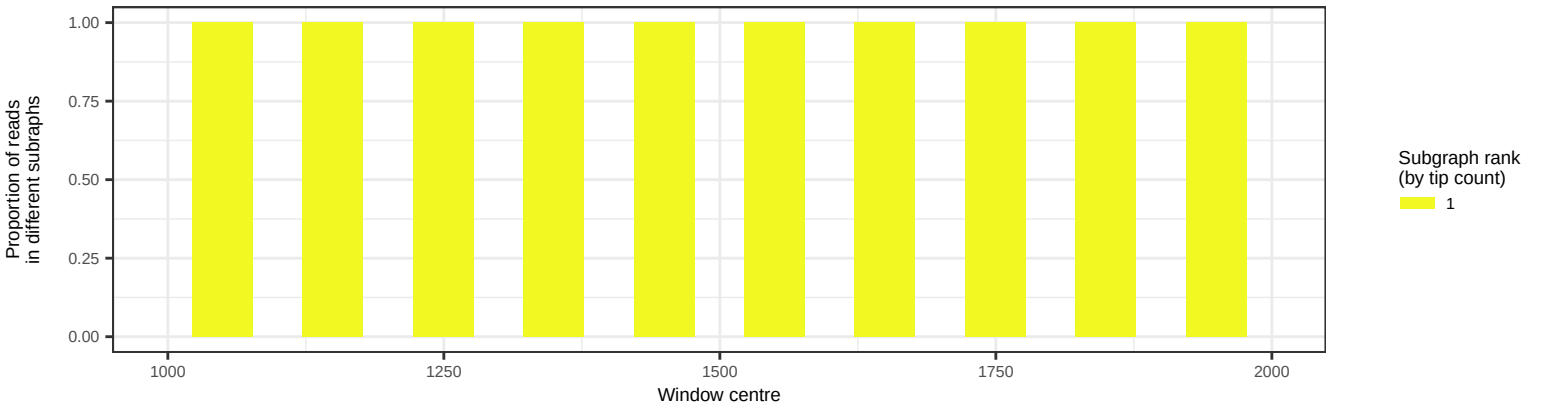

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

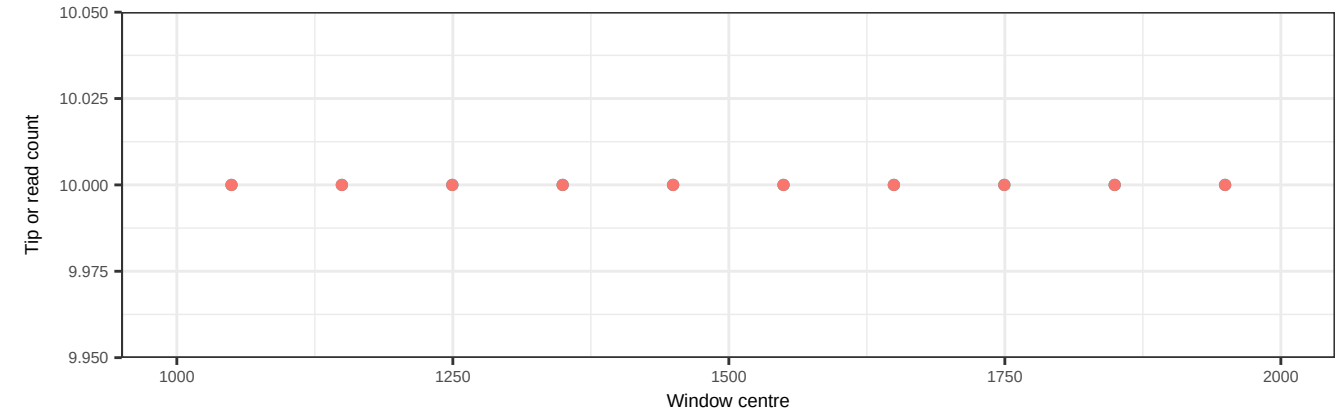

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

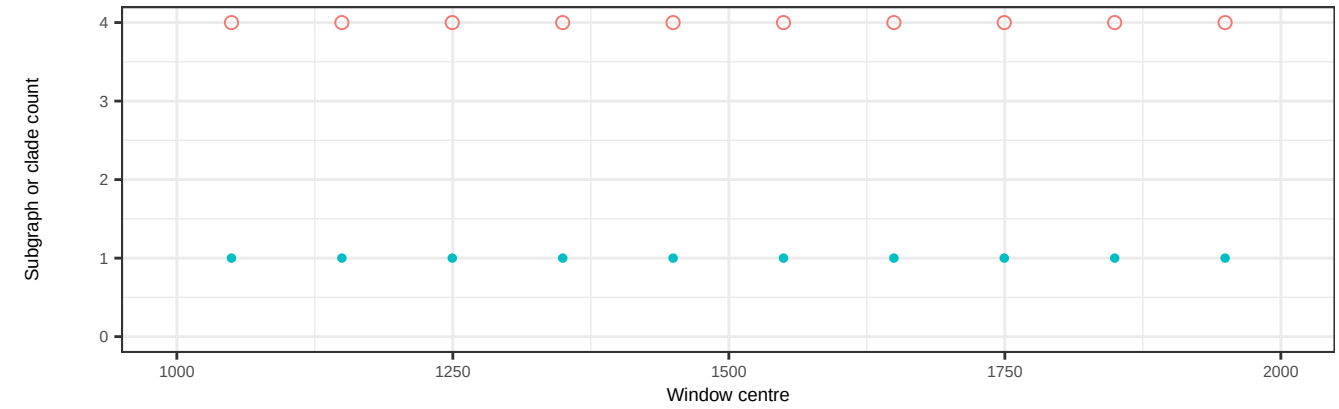

Subgraph or clade count
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

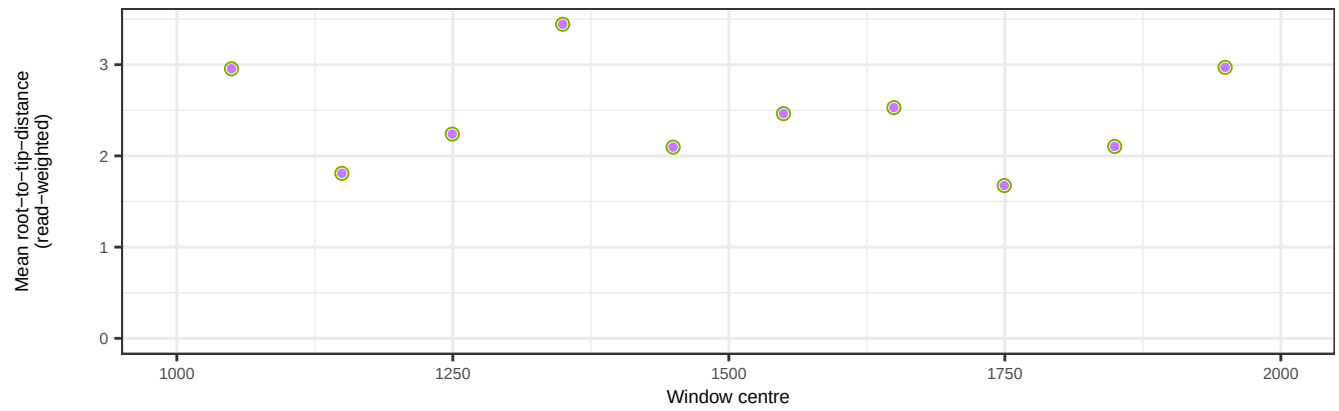

Mean root−to−tip−distance
(read−weighted)
1.2
0.9
0.6
0.3
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

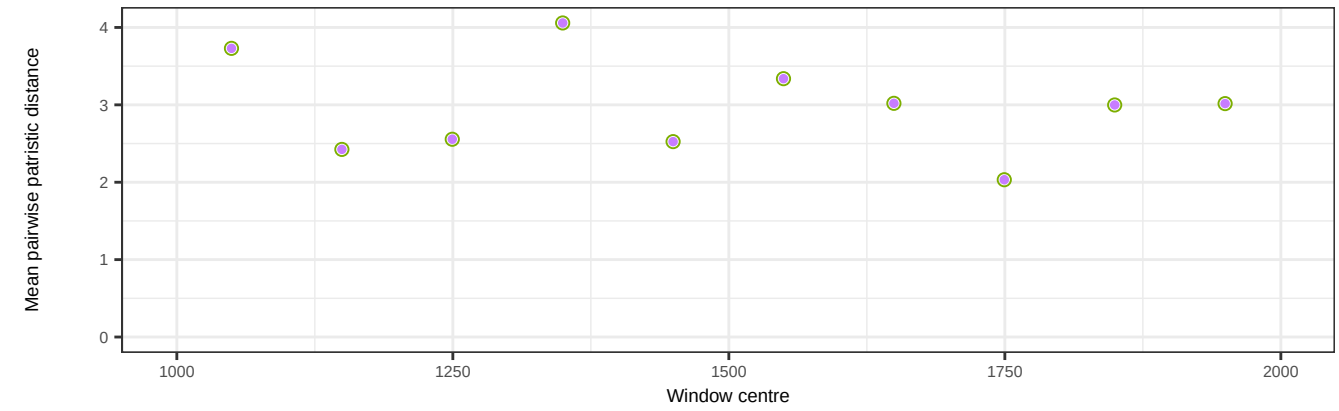

Mean pairwise patristic distance
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

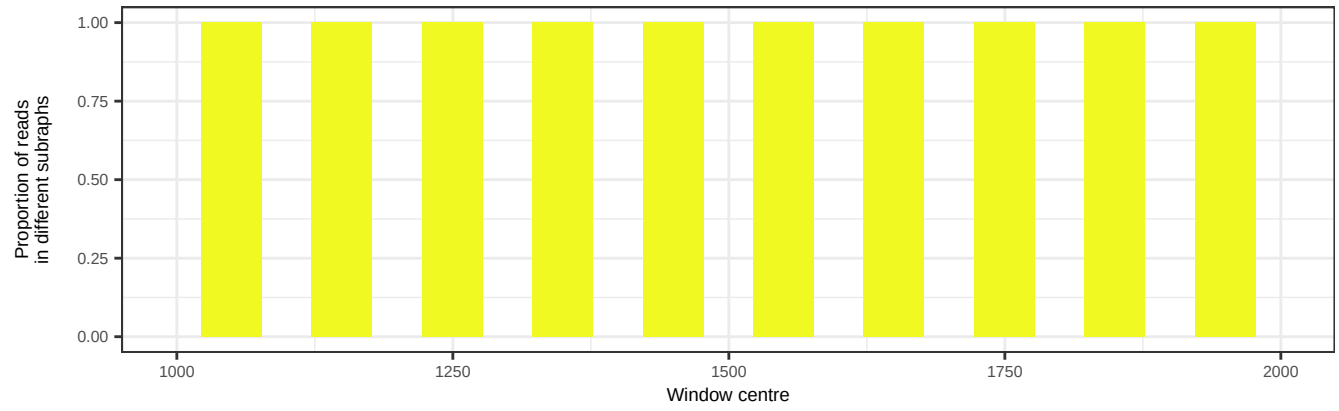

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

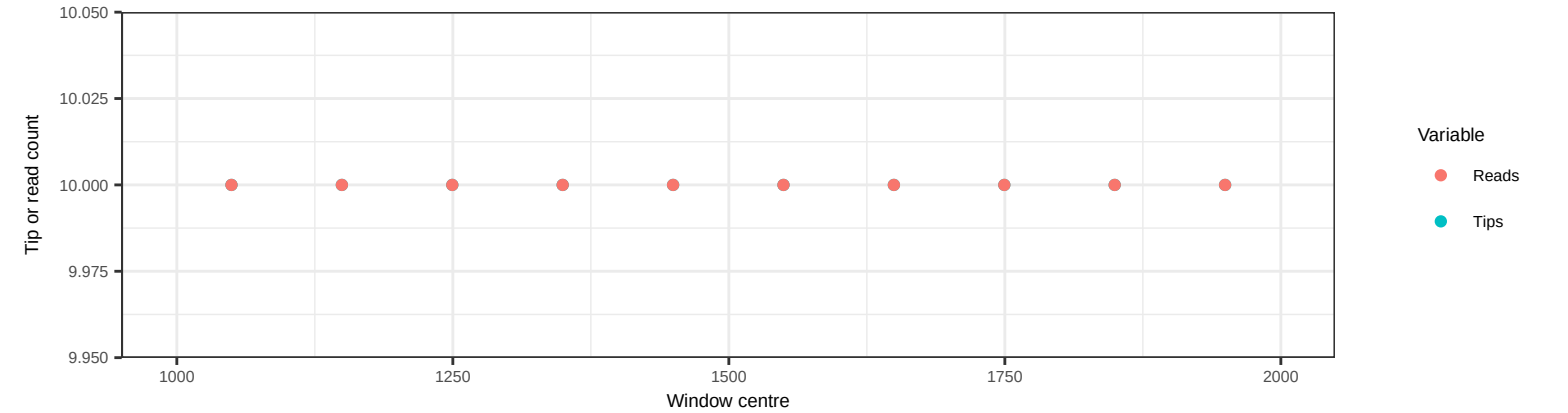

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

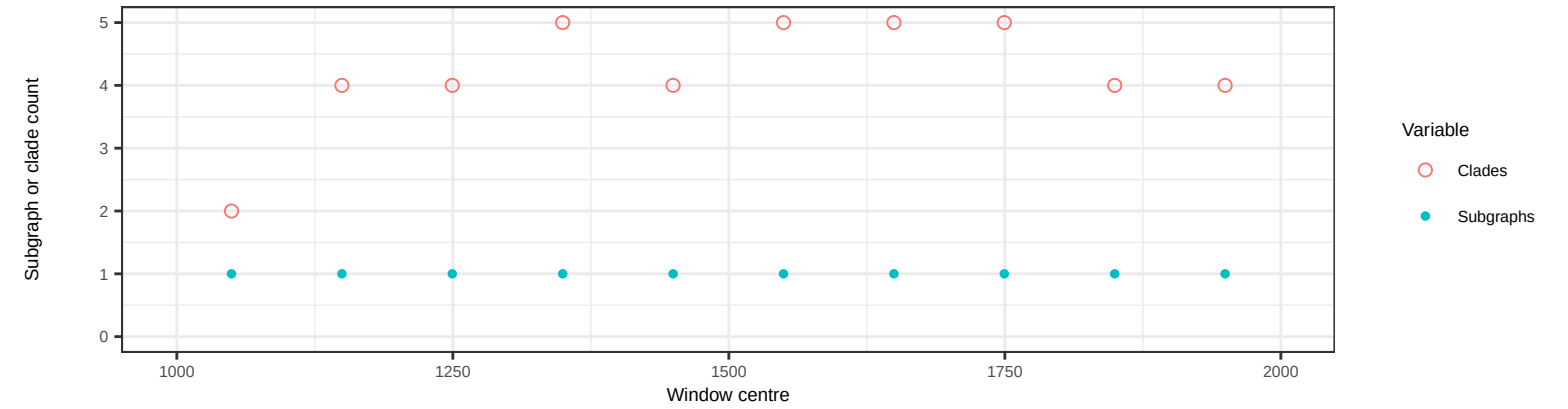

Subgraph or clade count
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

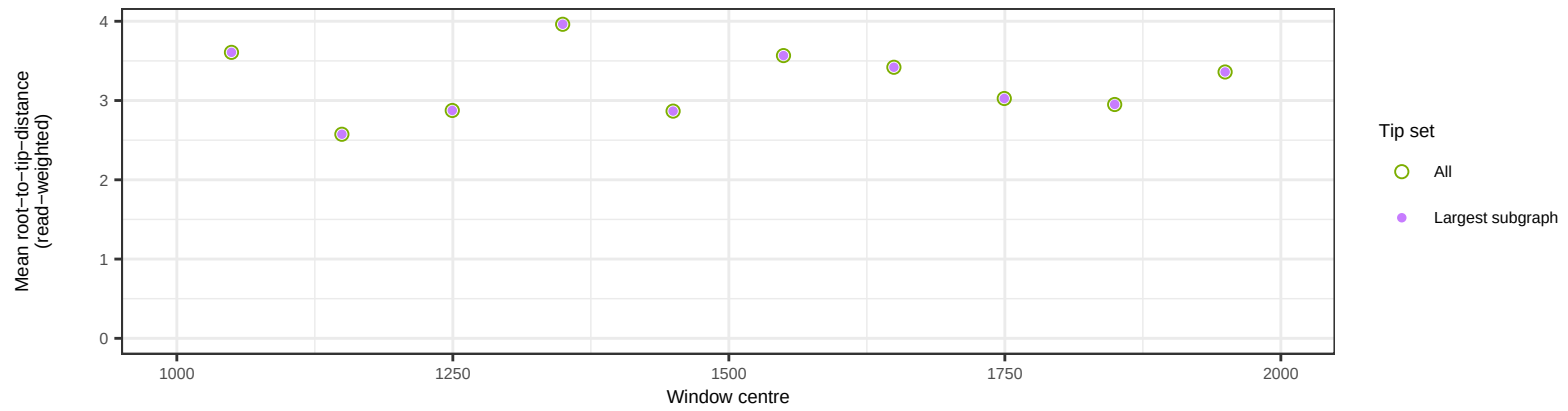

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

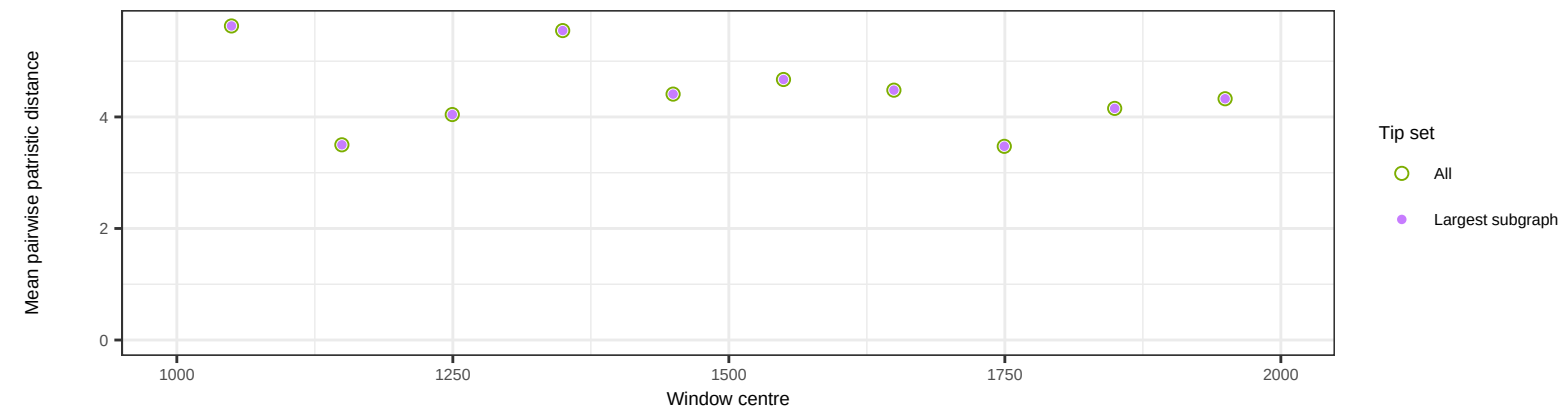

Mean pairwise patristic distance
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

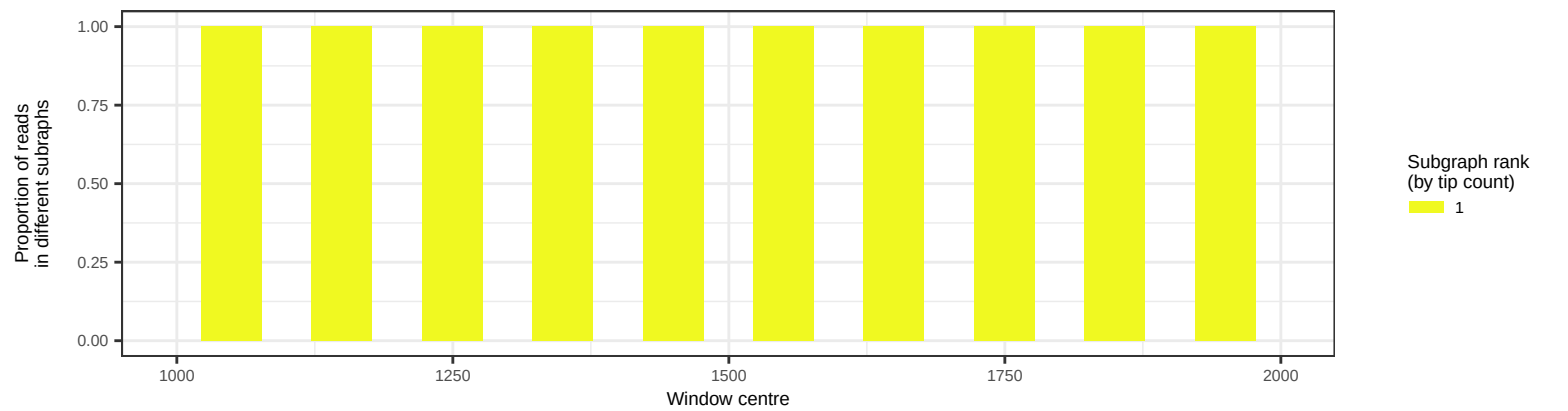

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

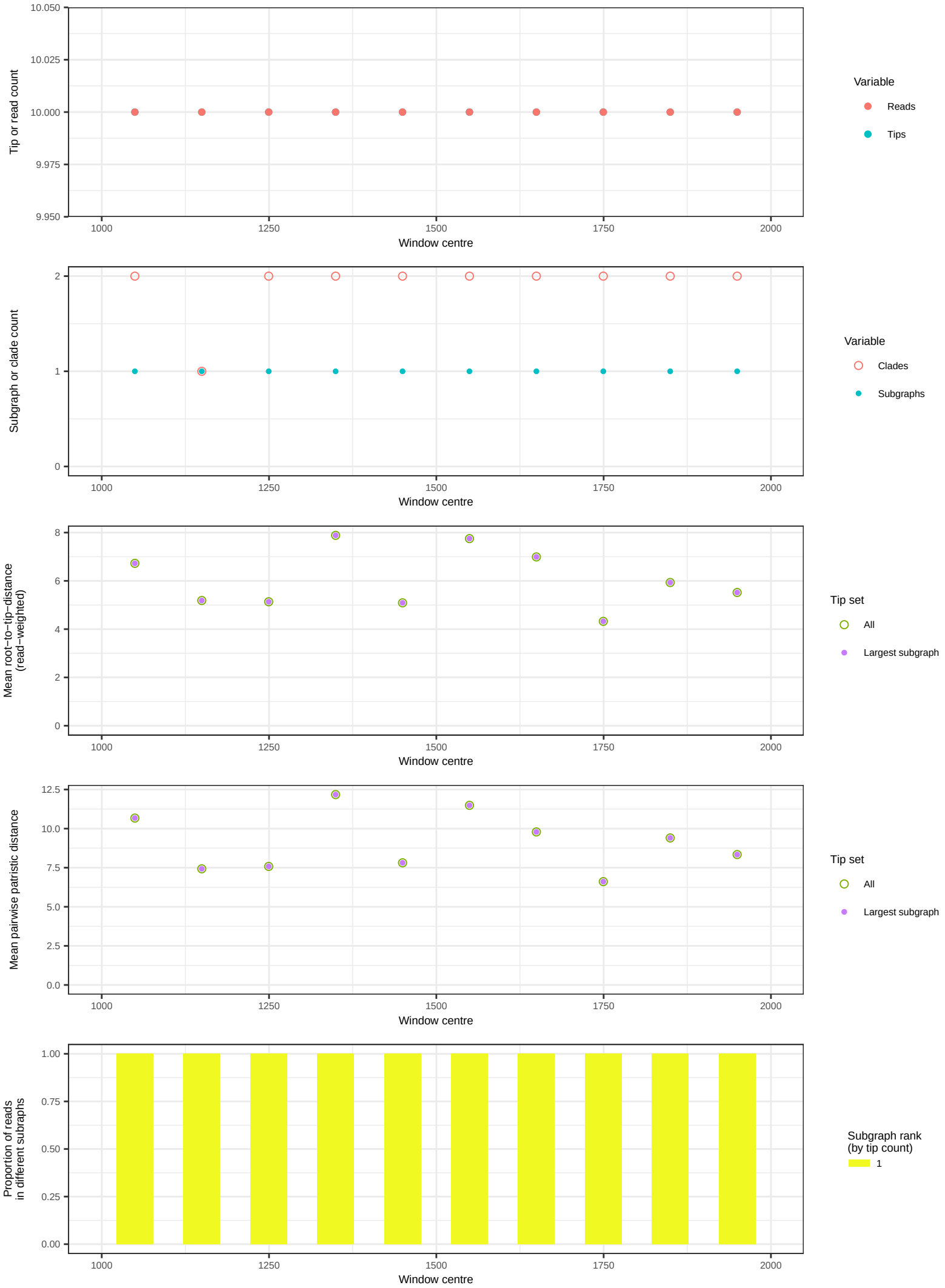

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

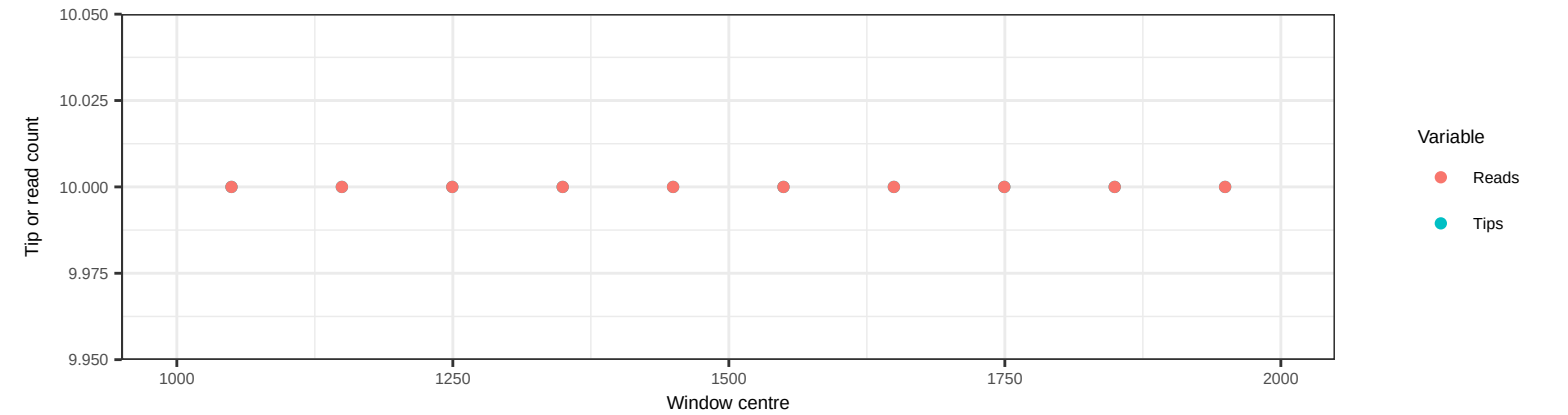

Subgraph or clade count
5
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

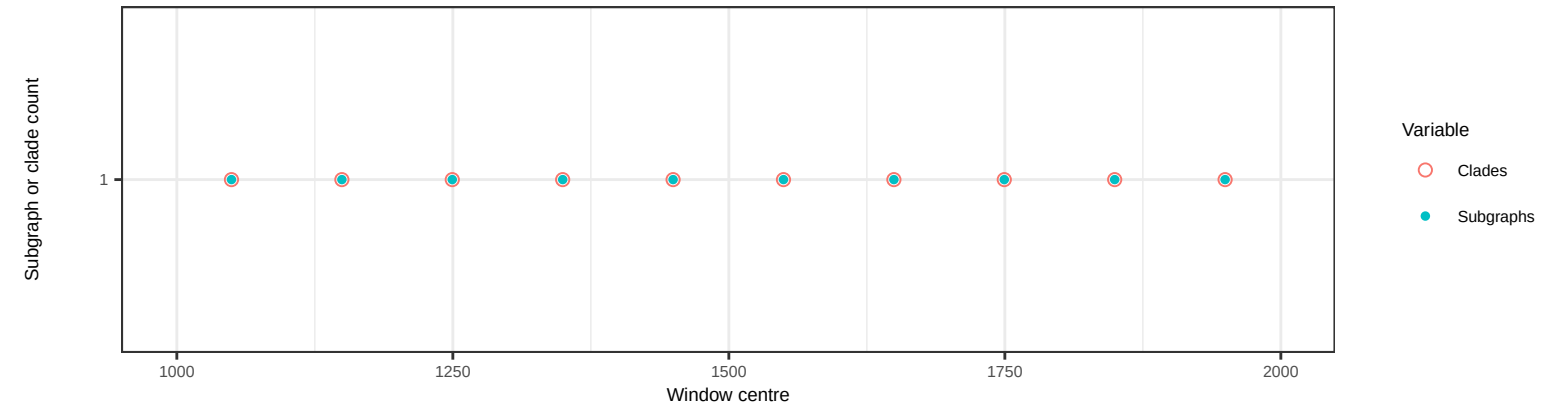

Mean root−to−tip−distance
(read−weighted)
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

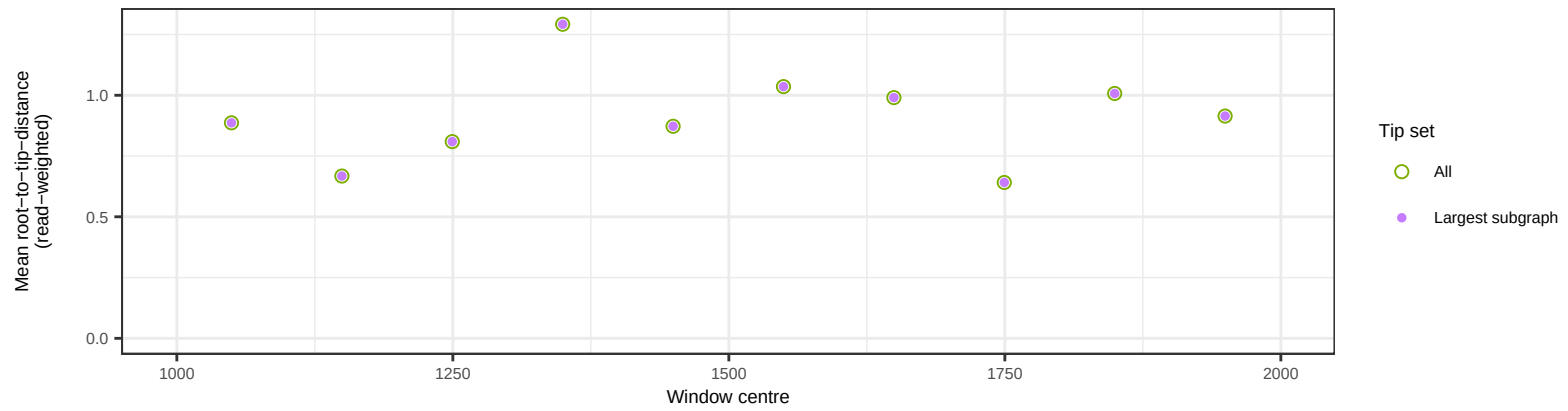

Mean pairwise patristic distance
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

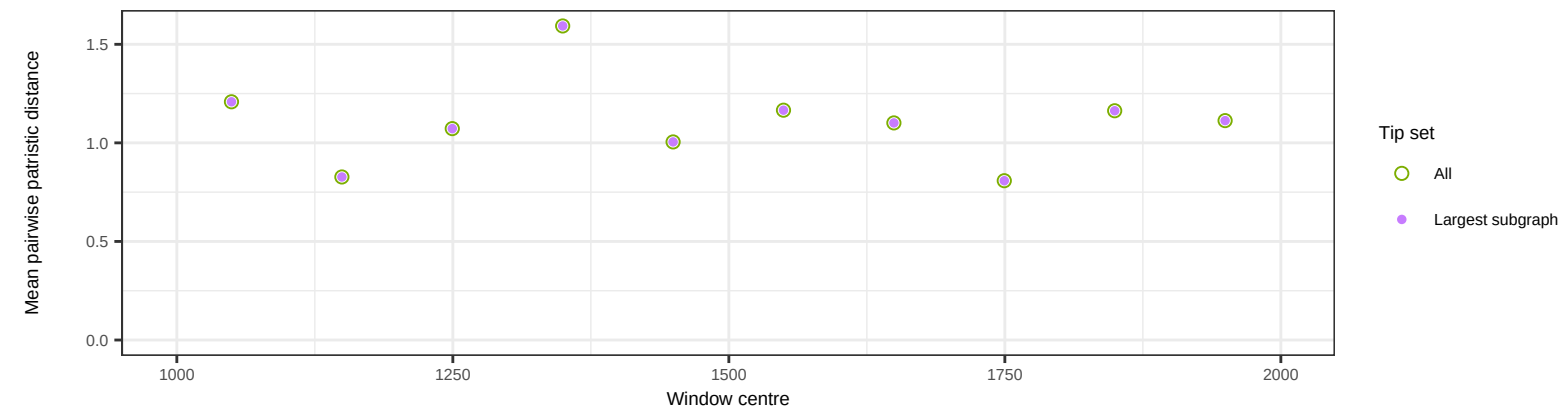

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

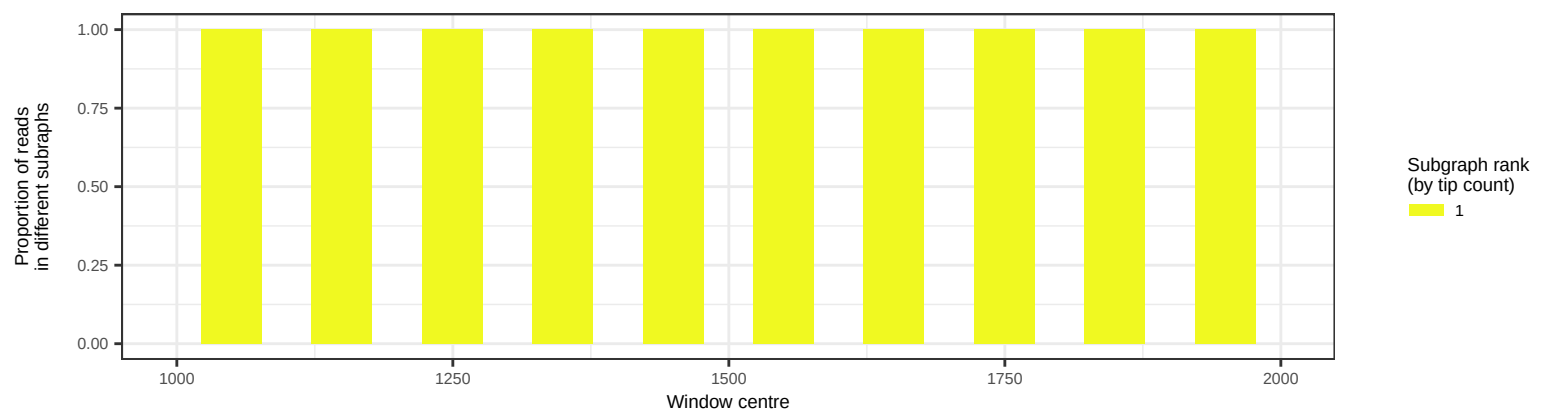

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
2
1
0
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
8
6
4
2
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
12.5
10.0
7.5
5.0
2.5
0.0
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
1

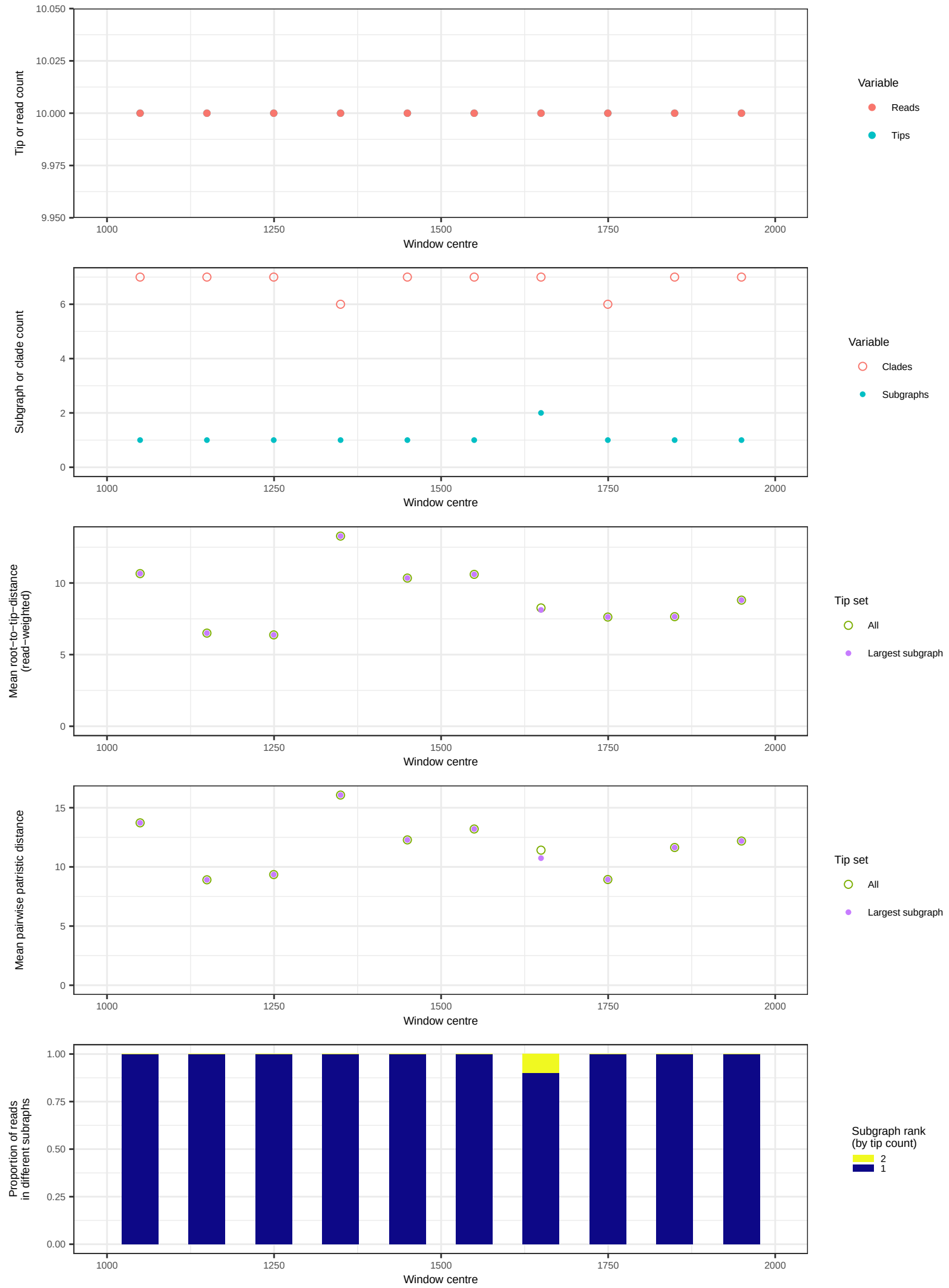

10.050
10.025
10.000
9.975
9.950
Tip or read count
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

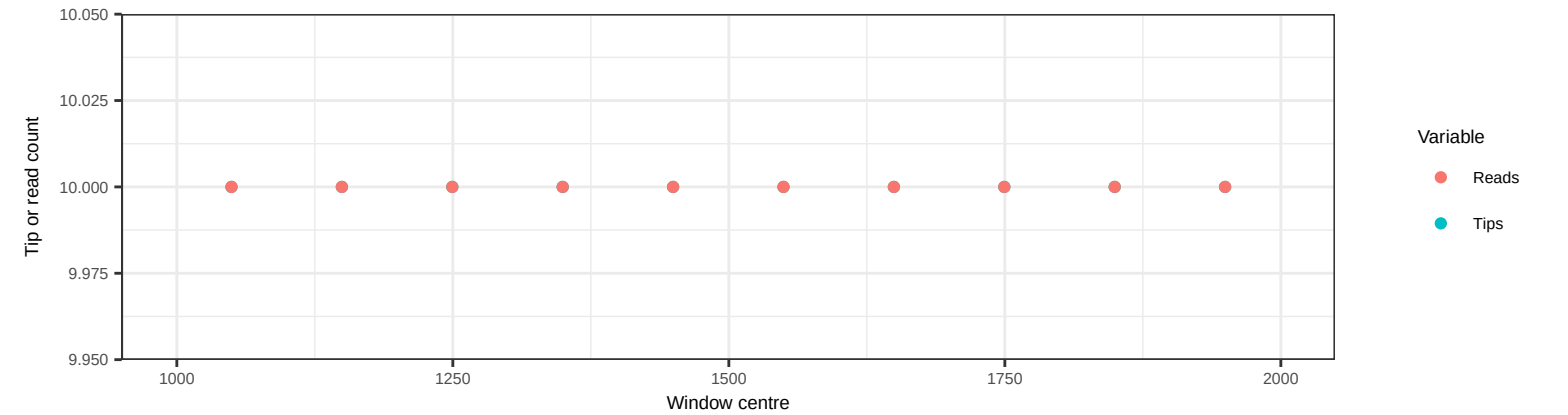

1
Subgraph or clade count
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

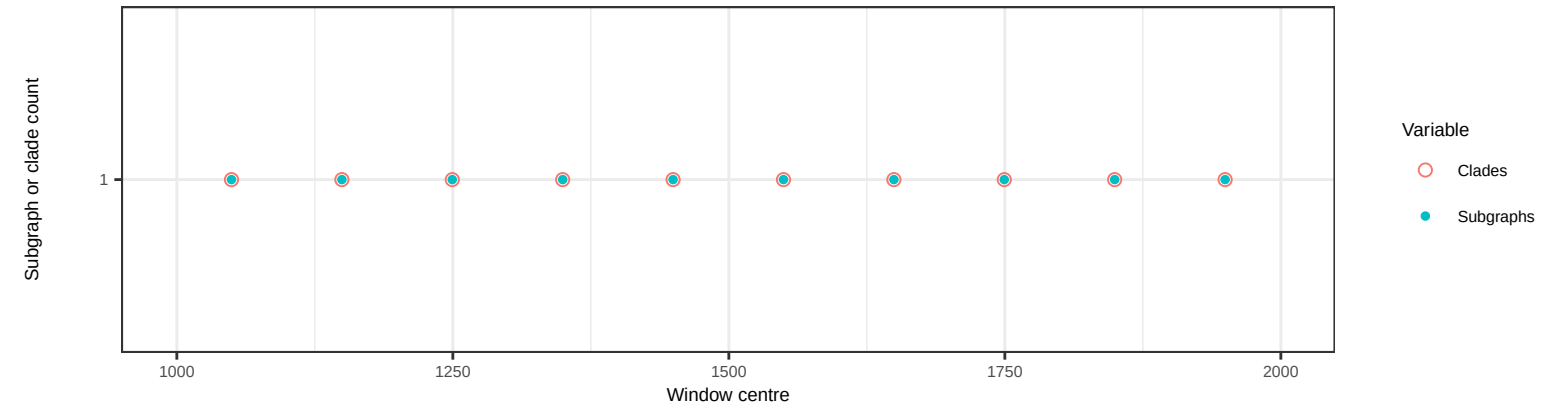

1.0
0.5
0.0
Mean root−to−tip−distance
(read−weighted)
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

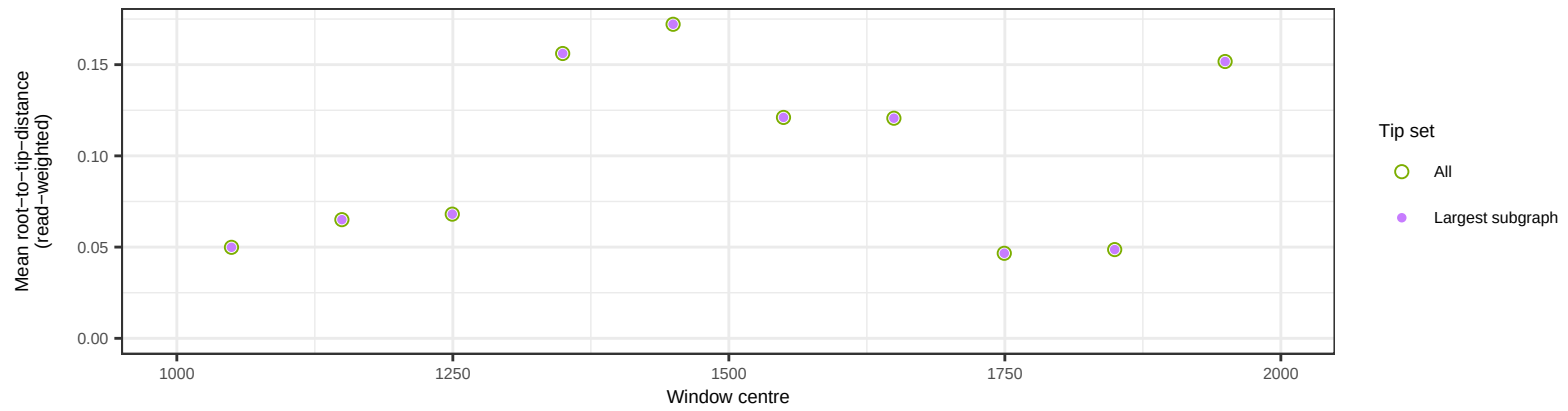

1.5
1.0
0.5
0.0
Mean pairwise patristic distance
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

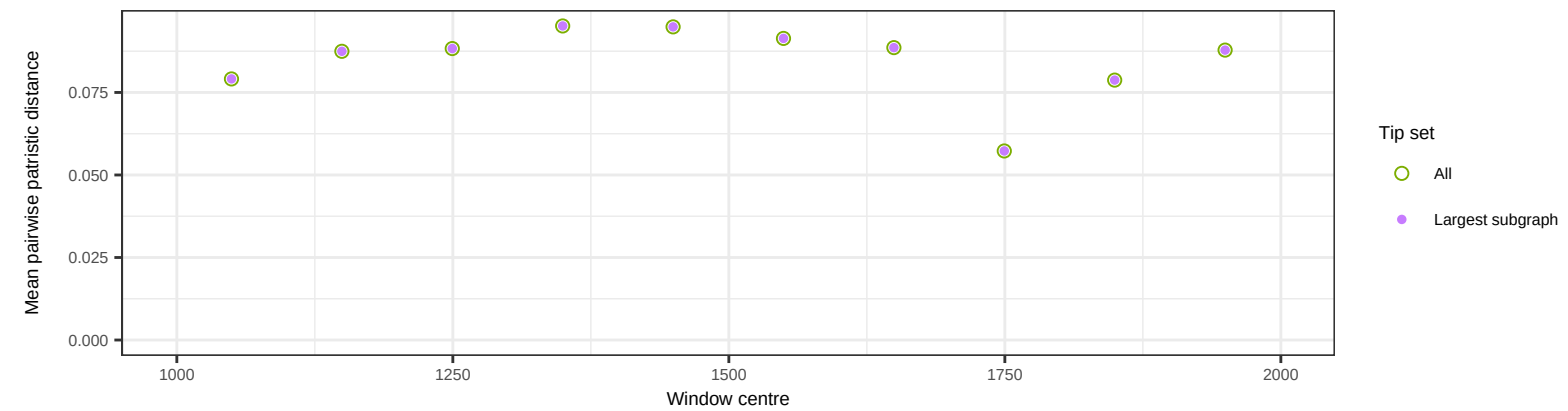

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

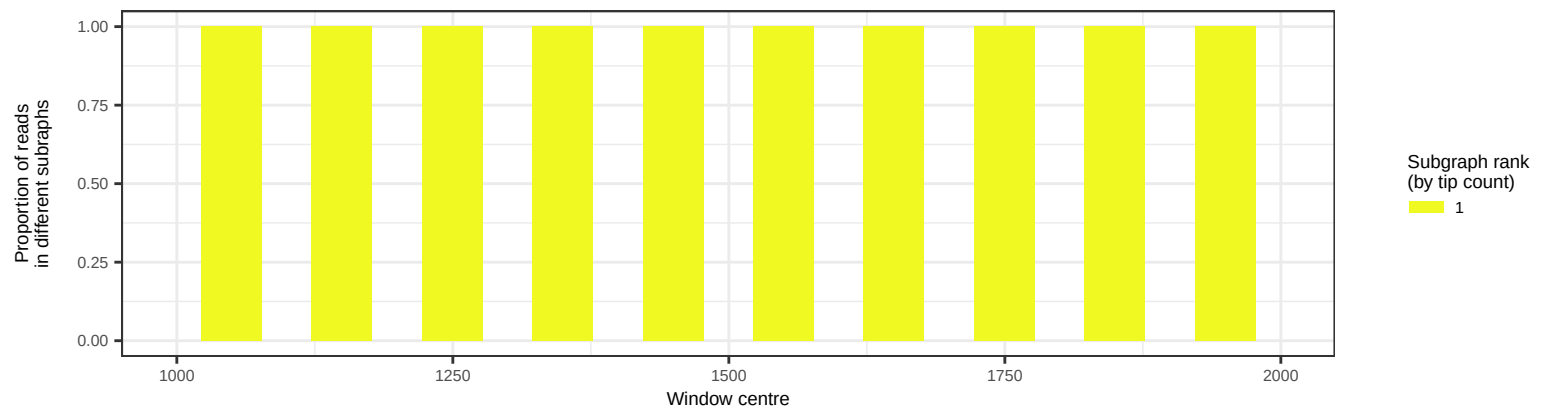

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
6
4
2
0
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
10
5
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
15
10
5
0
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
2
1

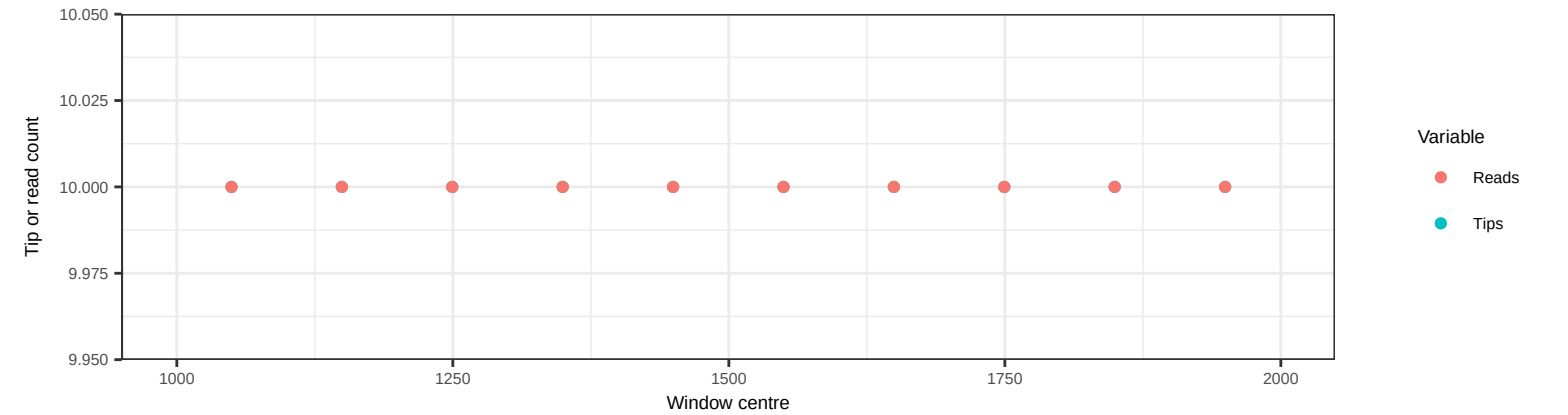

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

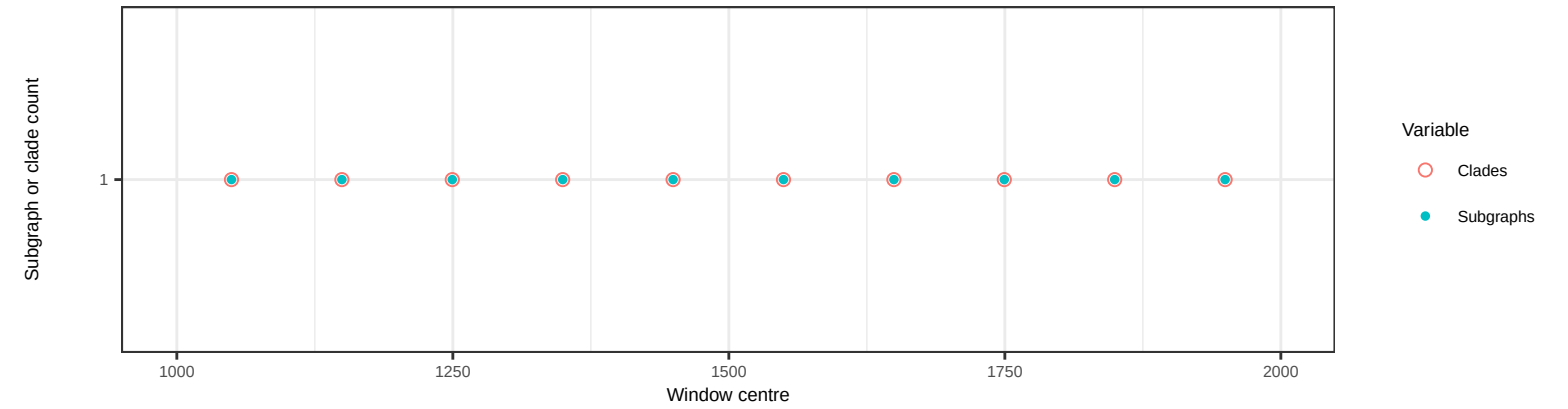

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

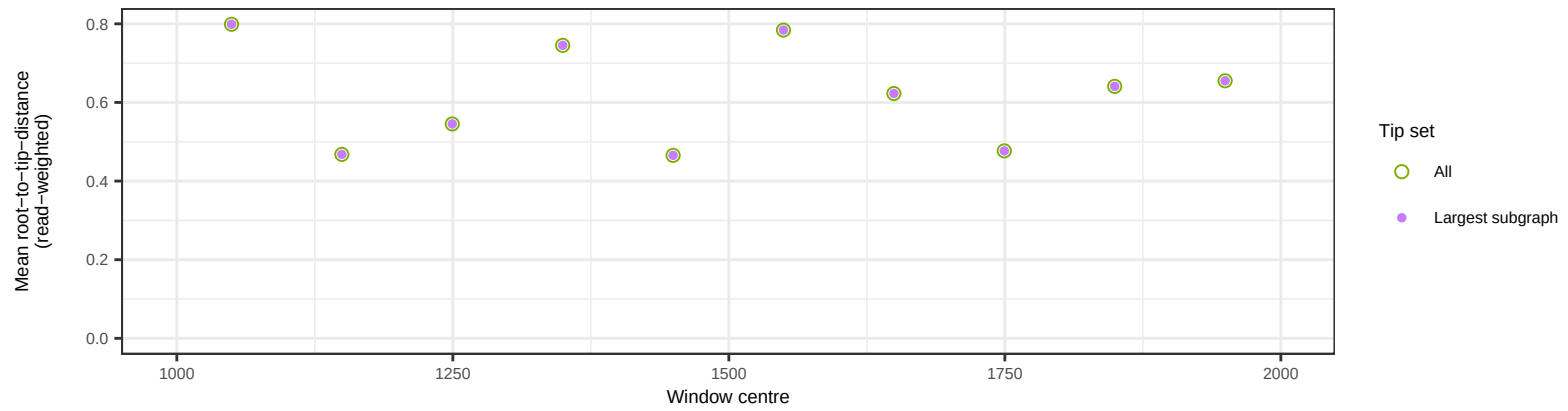

Mean root−to−tip−distance
(read−weighted)
0.15
0.10
0.05
0.00
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

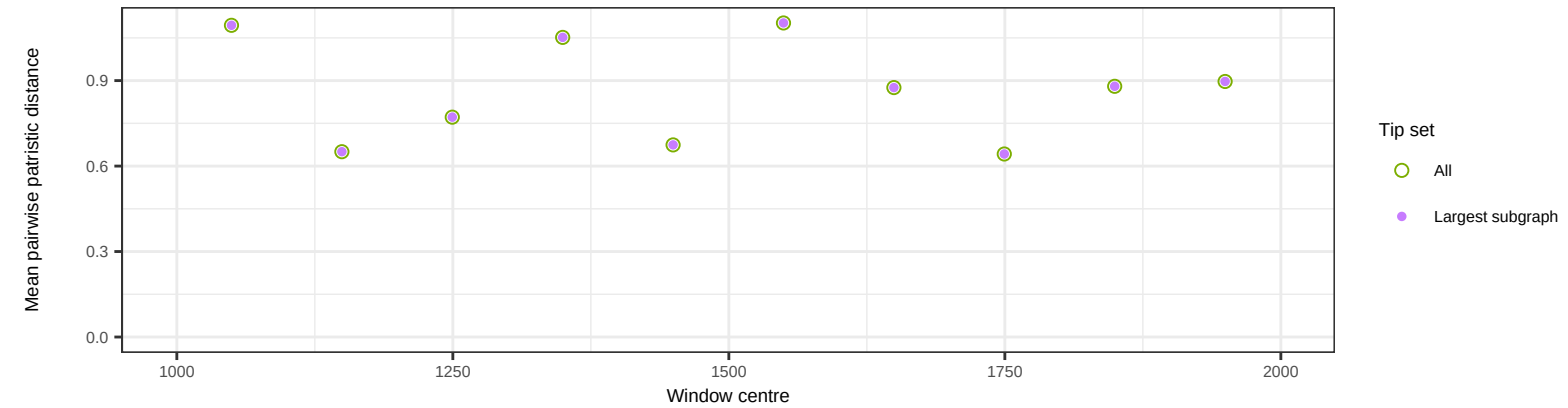

Mean pairwise patristic distance
0.075
0.050
0.025
0.000
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

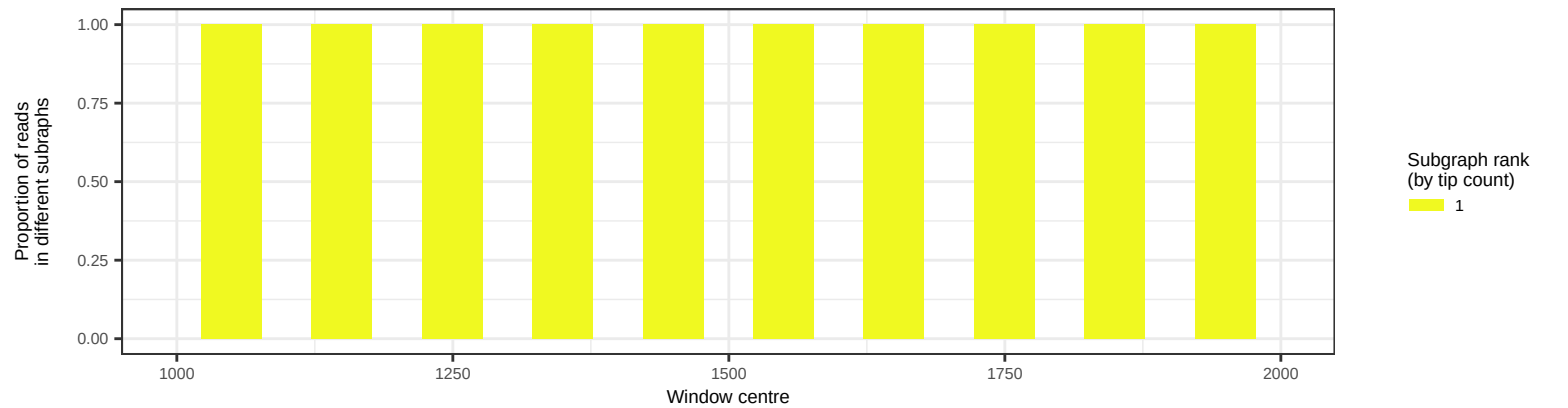

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

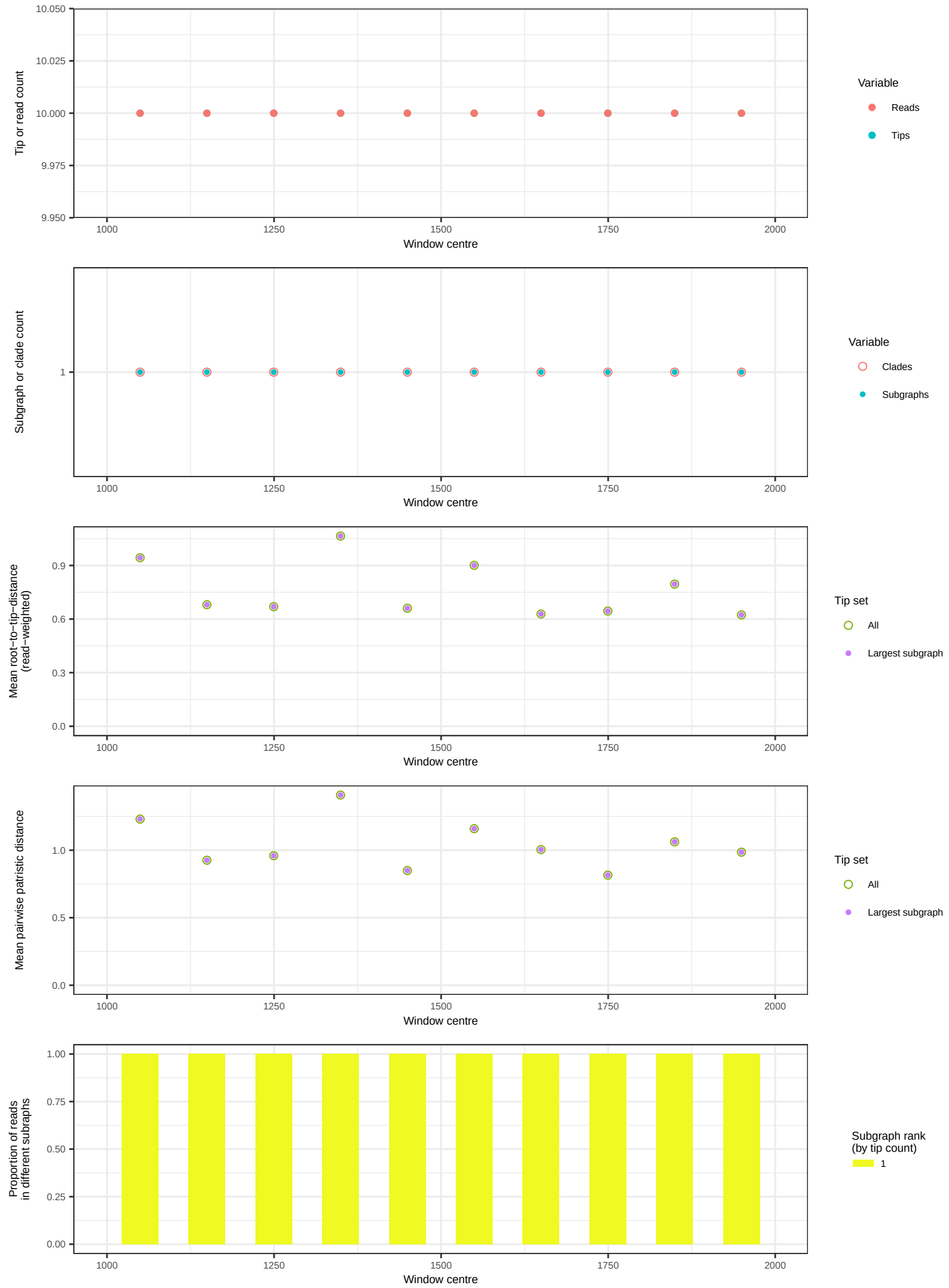

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

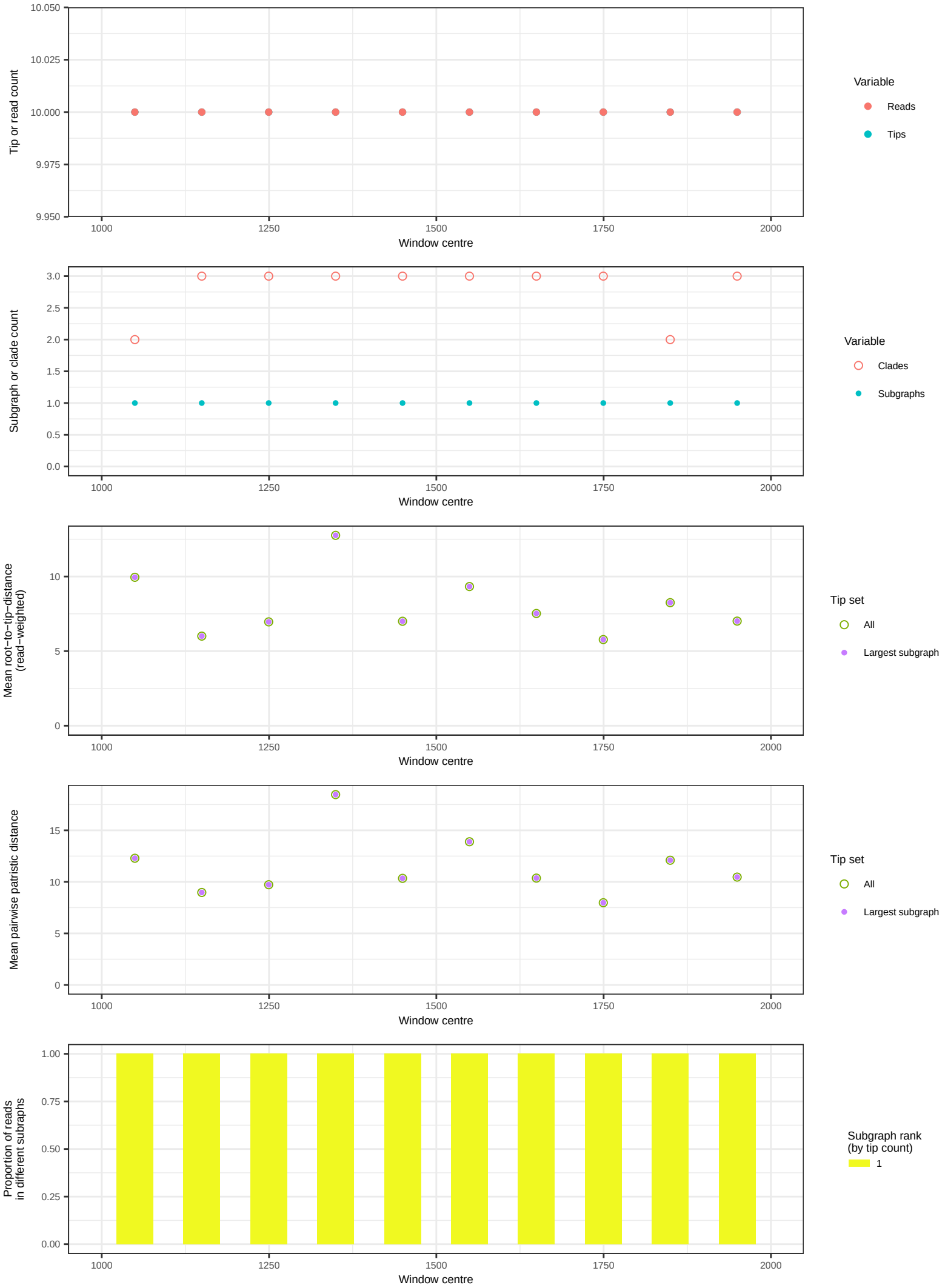

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

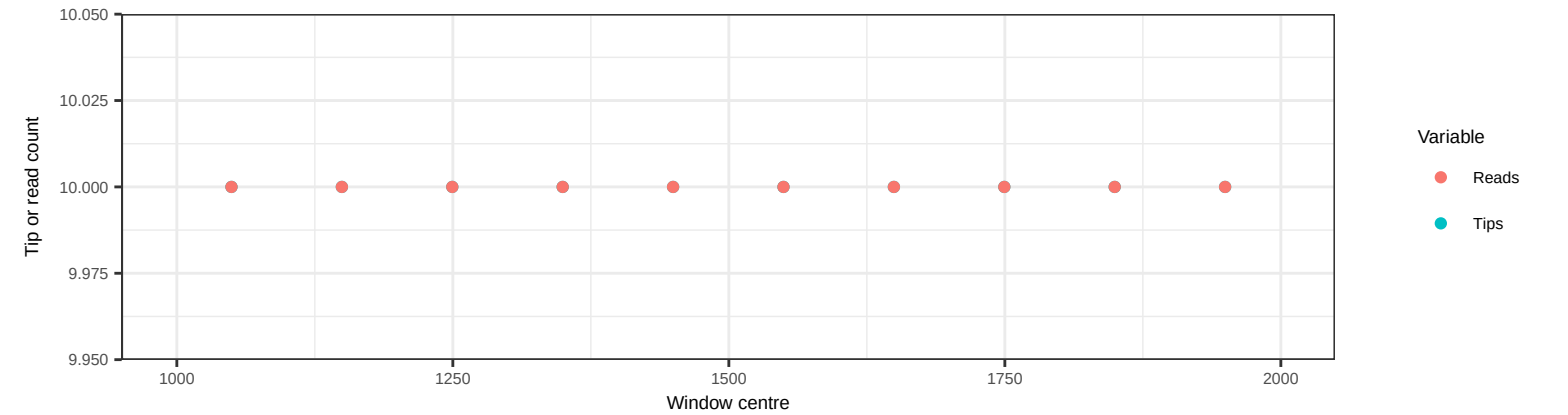

Mean root−to−tip−distance
(read−weighted)
0.8
0.6
0.4
0.2
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

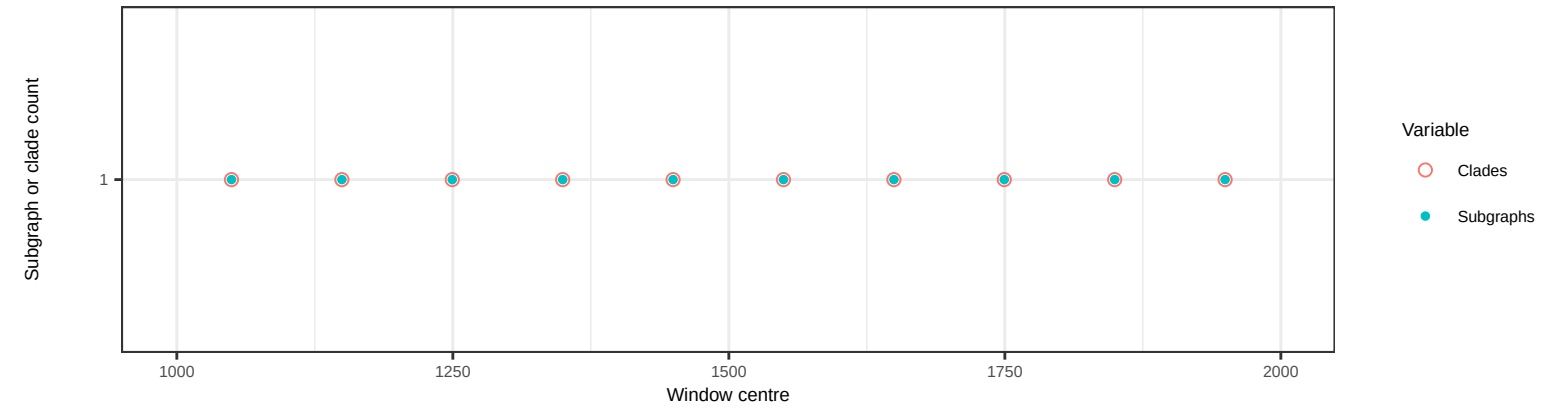

Mean pairwise patristic distance
0.9
0.6
0.3
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

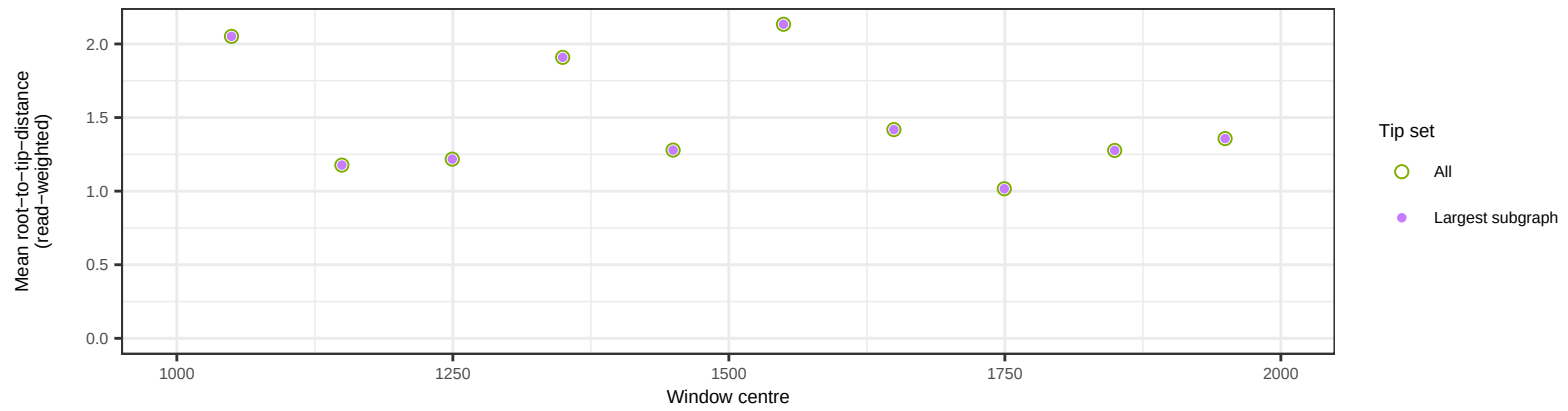

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

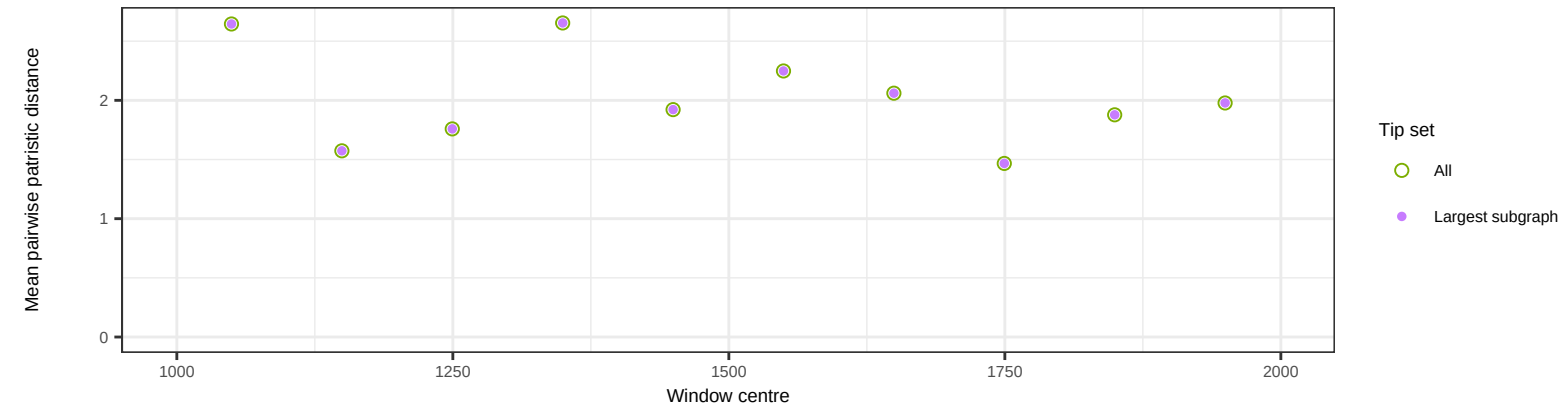

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
0.9
0.6
0.3
0.0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
1.0
0.5
0.0
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
1

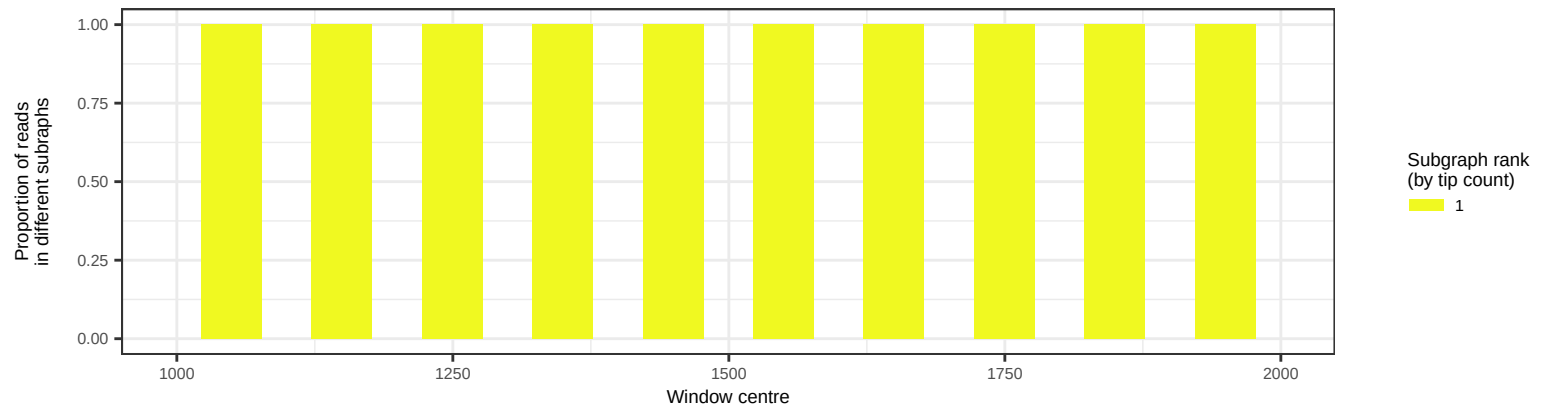

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
10
5
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
15
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
1

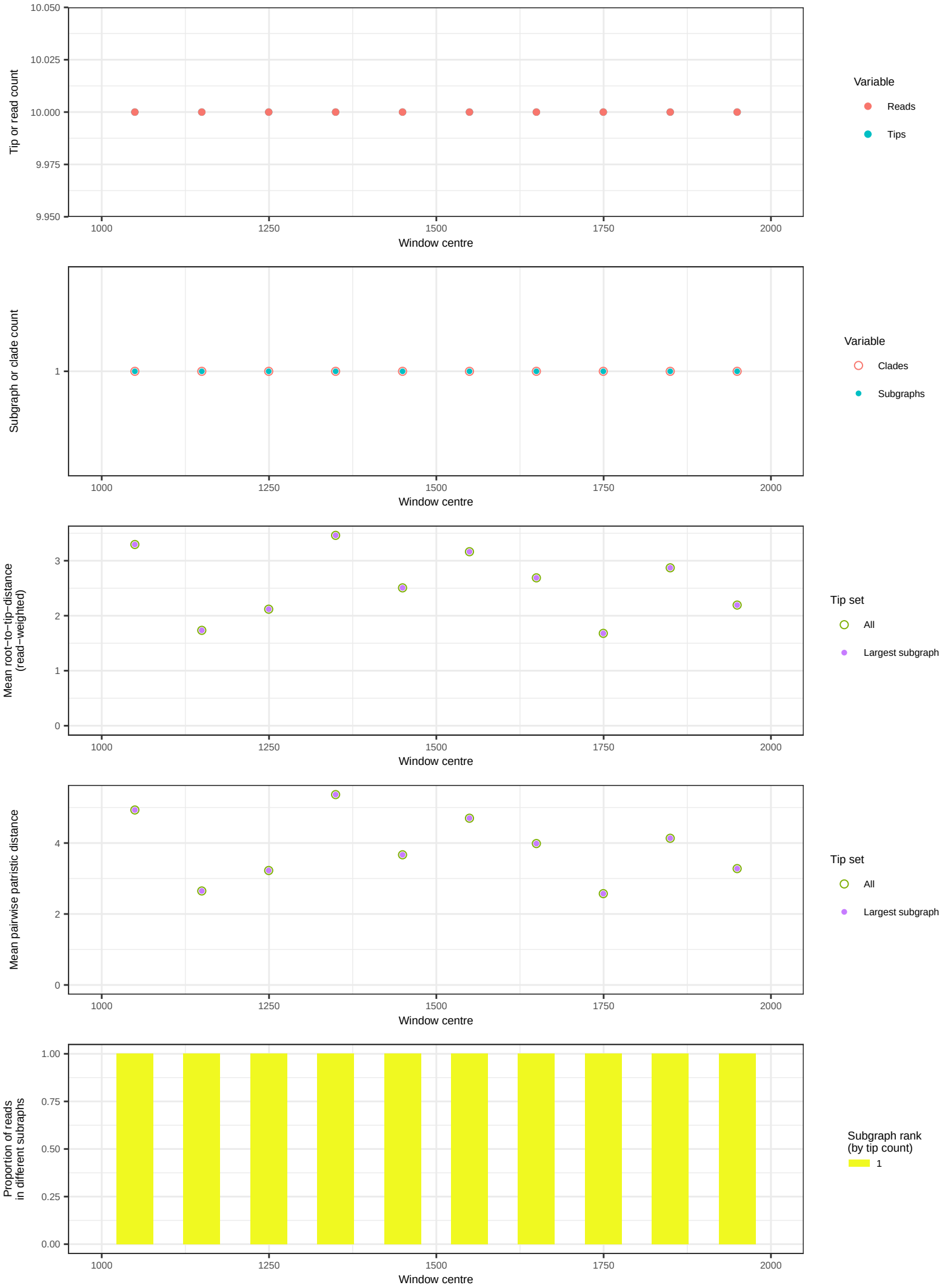

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

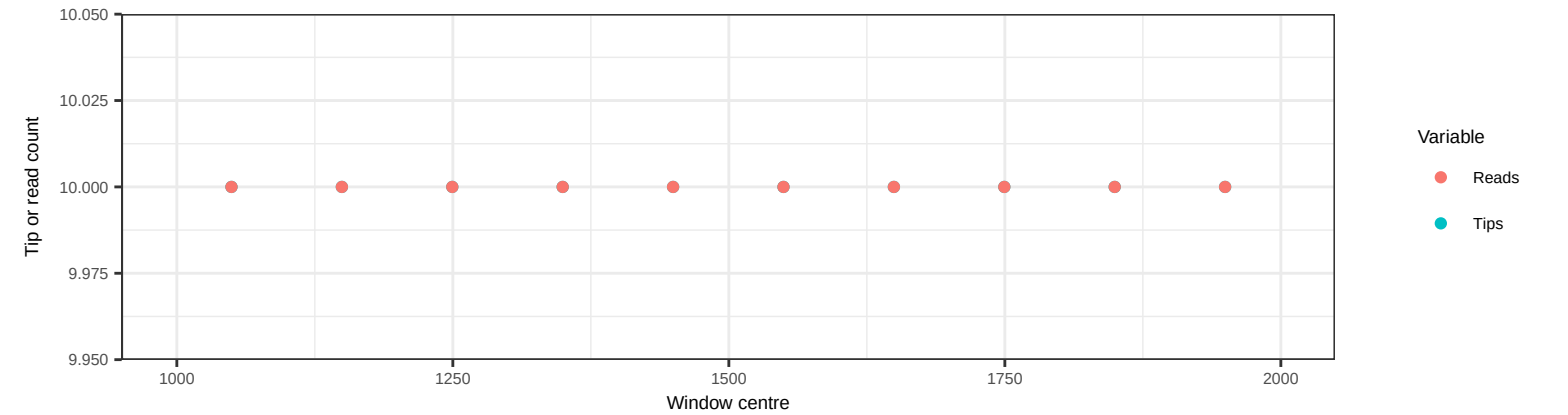

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

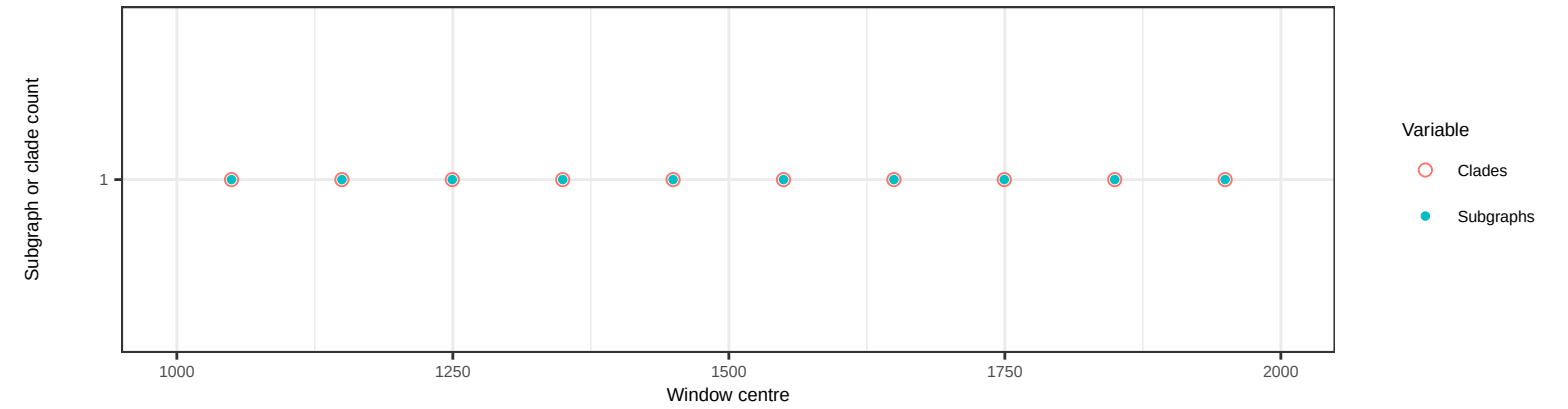

Mean root−to−tip−distance
(read−weighted)
2.0
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

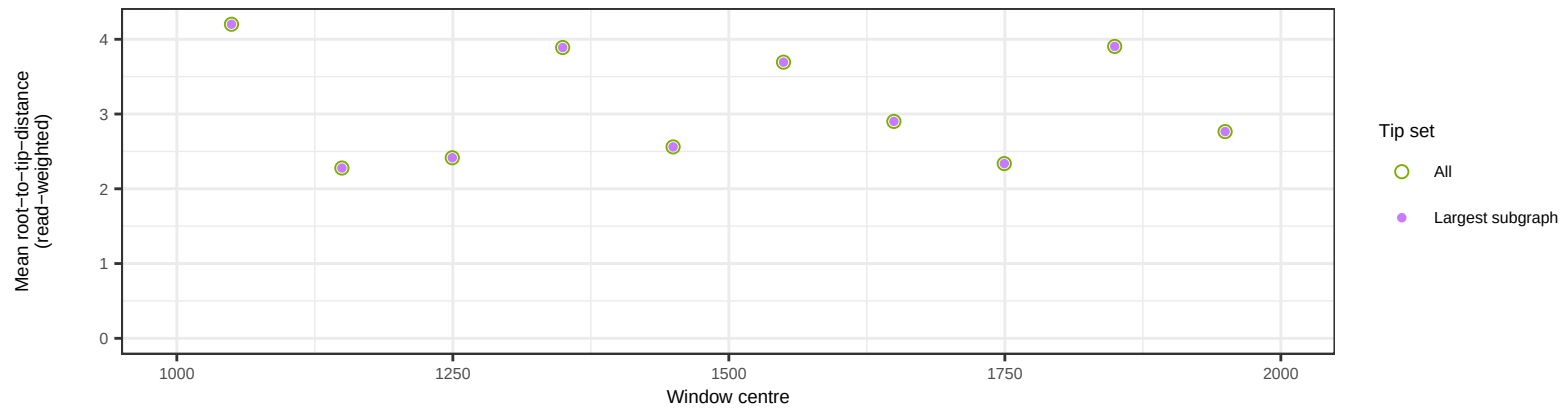

Mean pairwise patristic distance
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

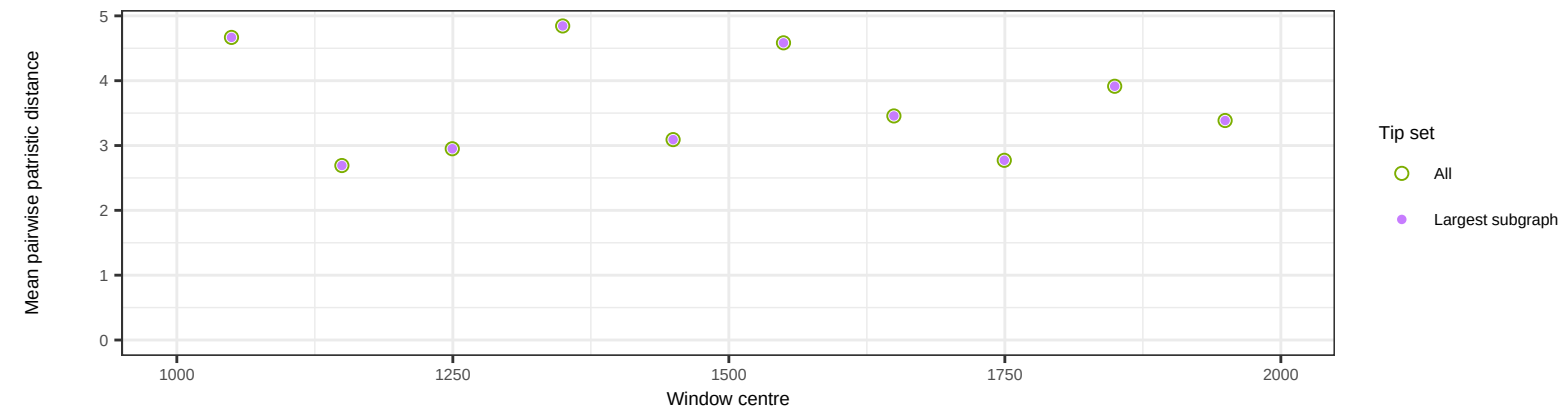

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

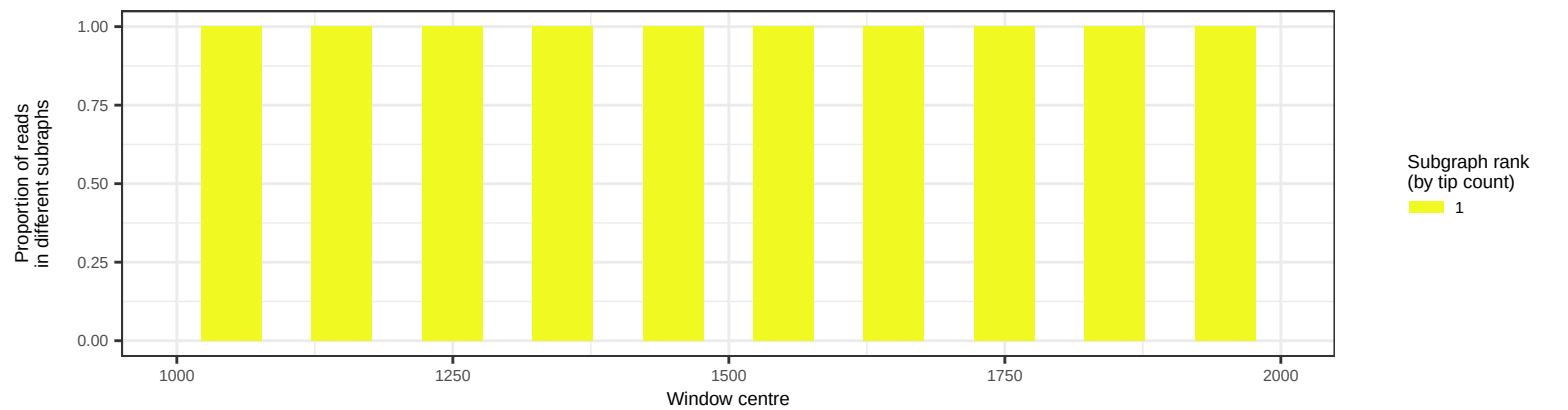

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
3
2
1
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
4
2
0
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
1

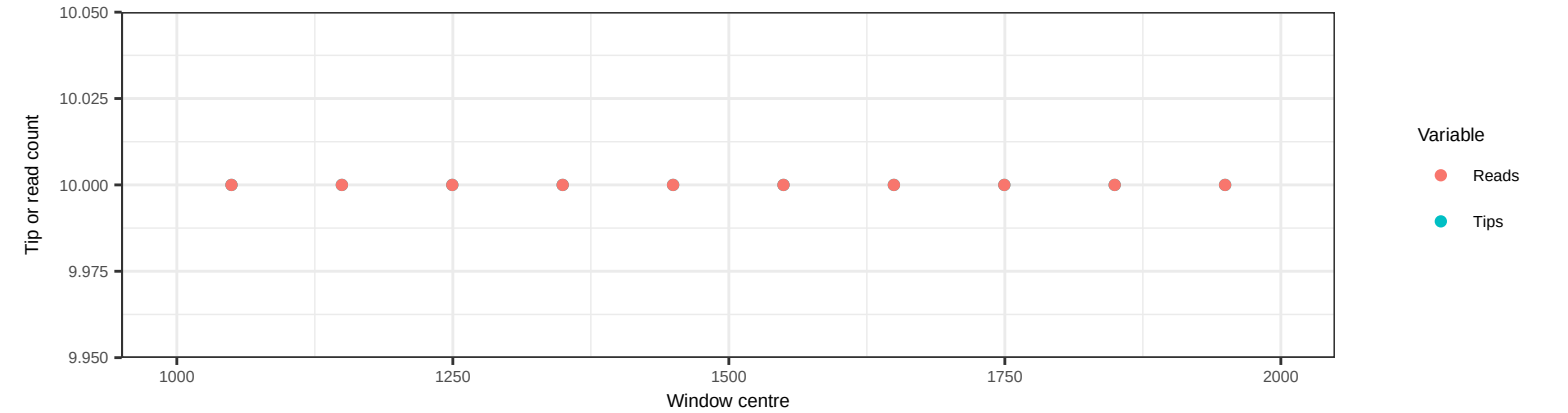

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

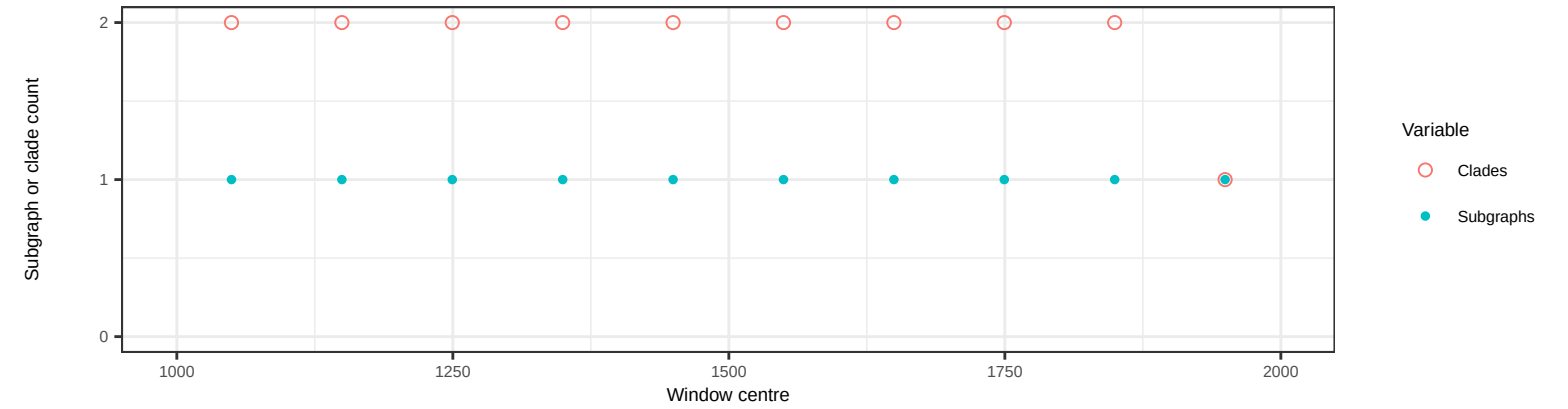

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

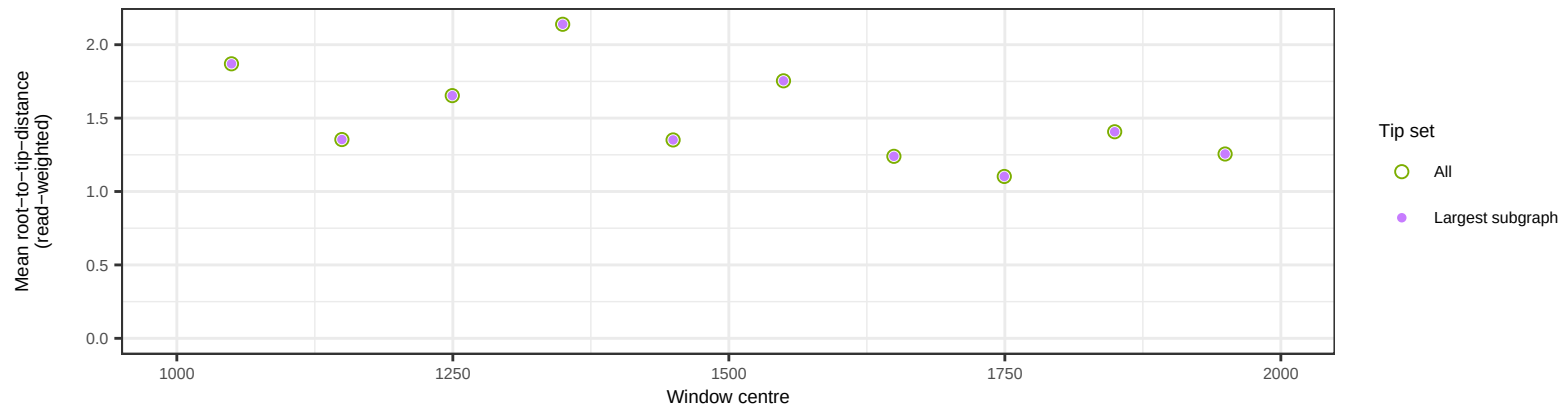

Mean root−to−tip−distance
(read−weighted)
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

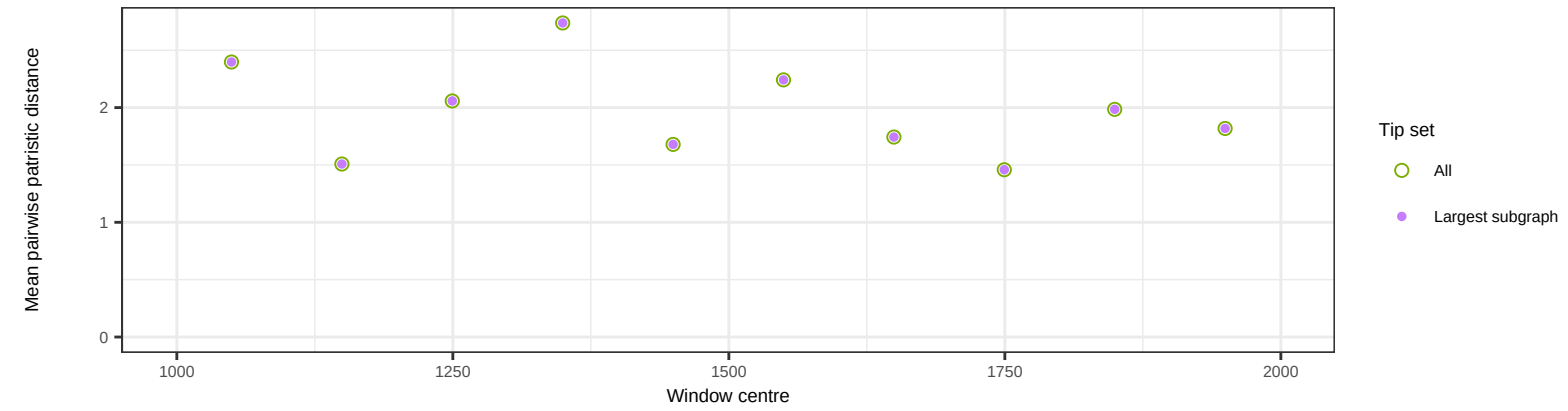

Mean pairwise patristic distance
5
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

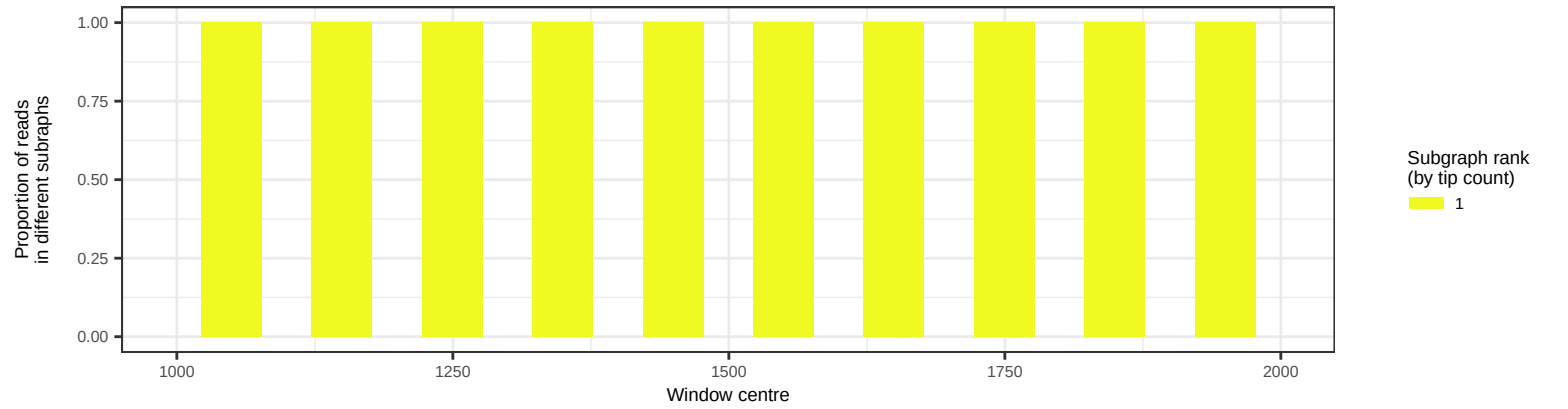

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

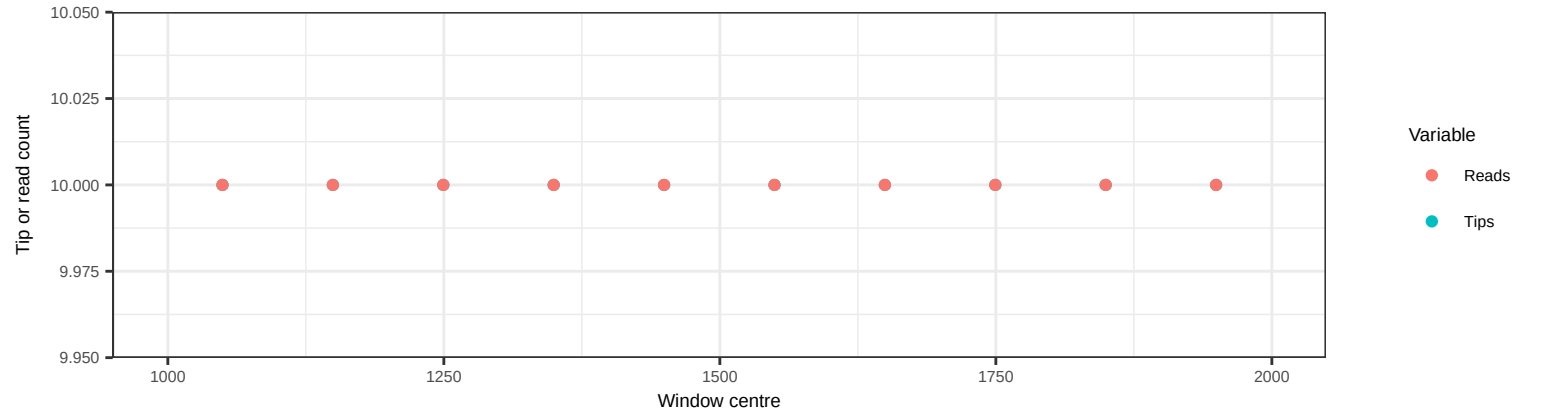

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

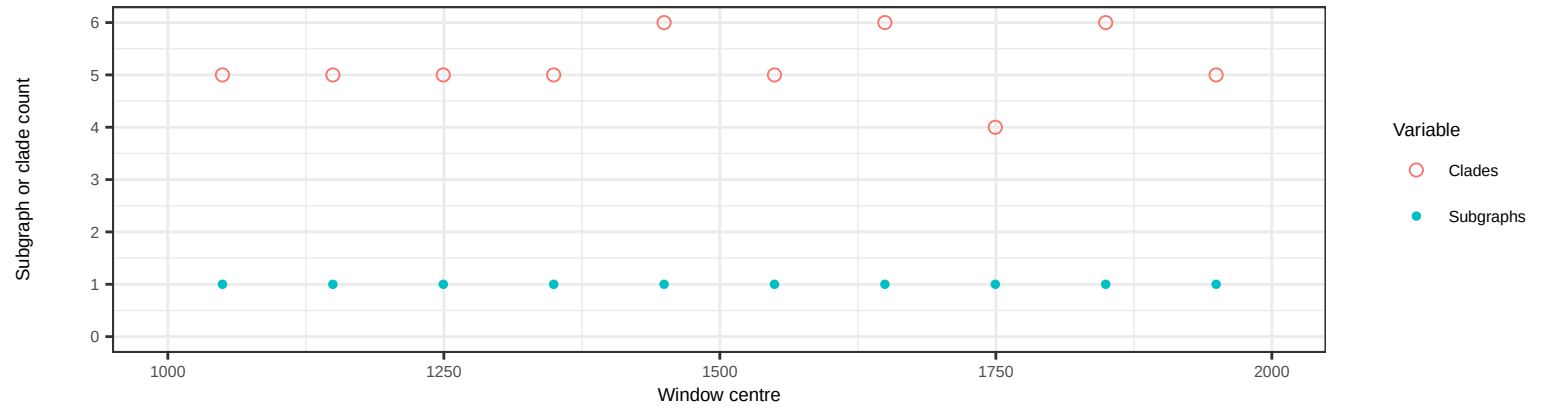

Subgraph or clade count
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

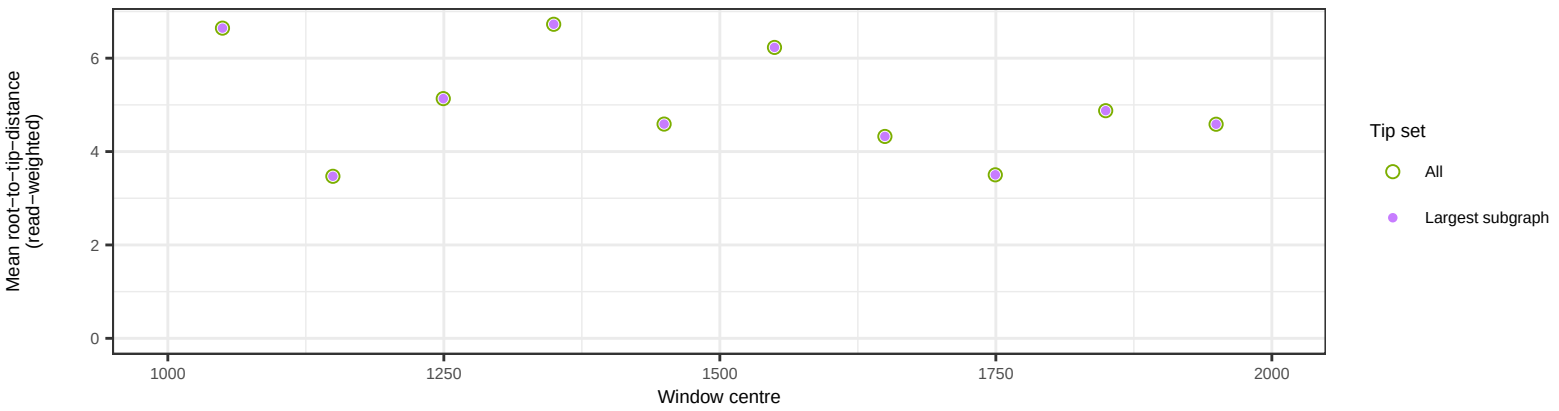

Mean root−to−tip−distance
(read−weighted)
2.0
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

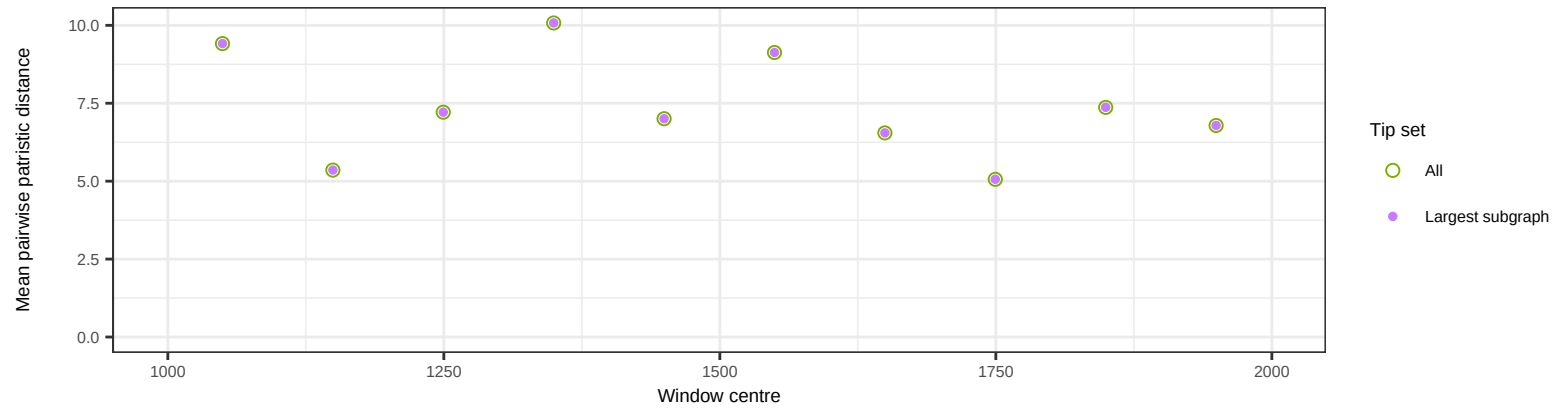

Mean pairwise patristic distance
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

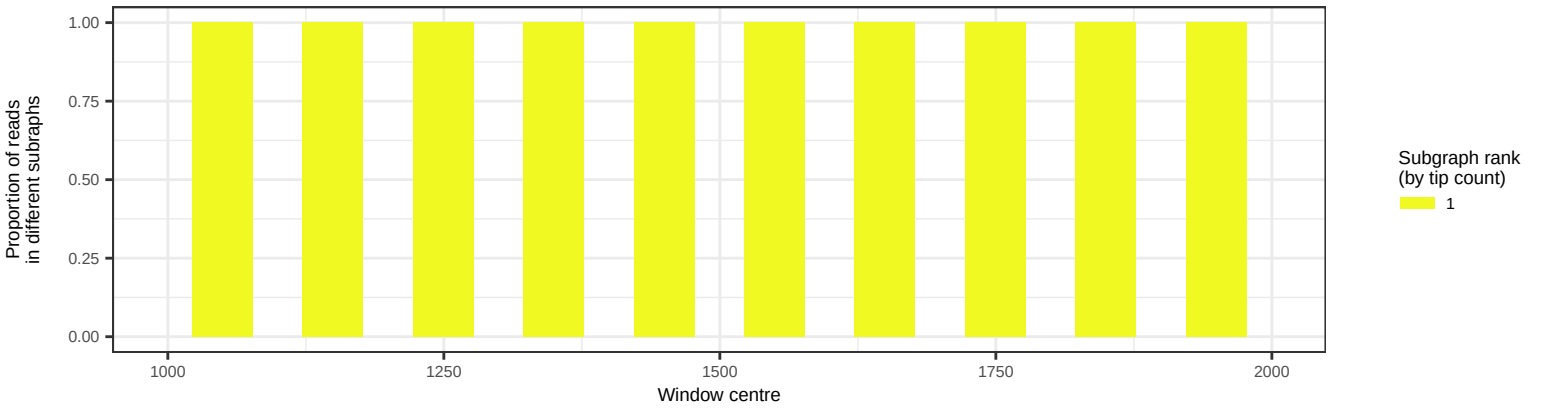

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

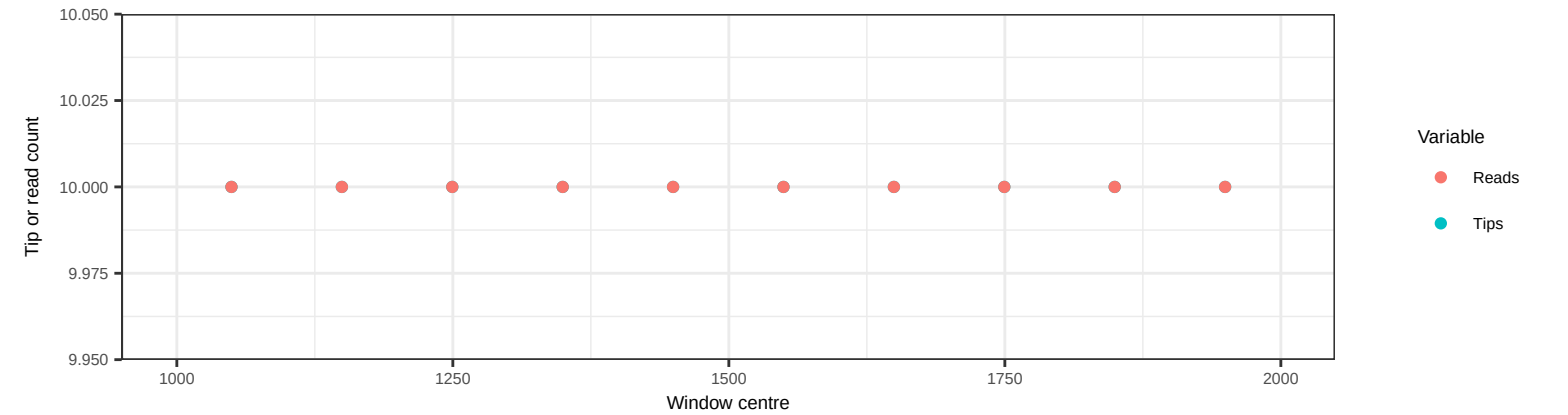

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

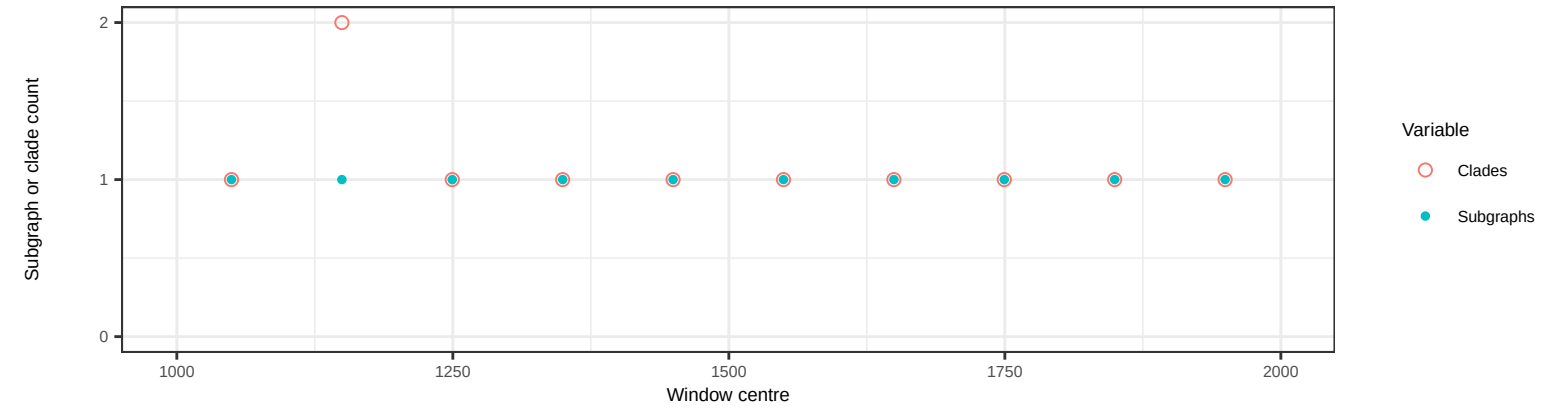

Subgraph or clade count
6
5
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

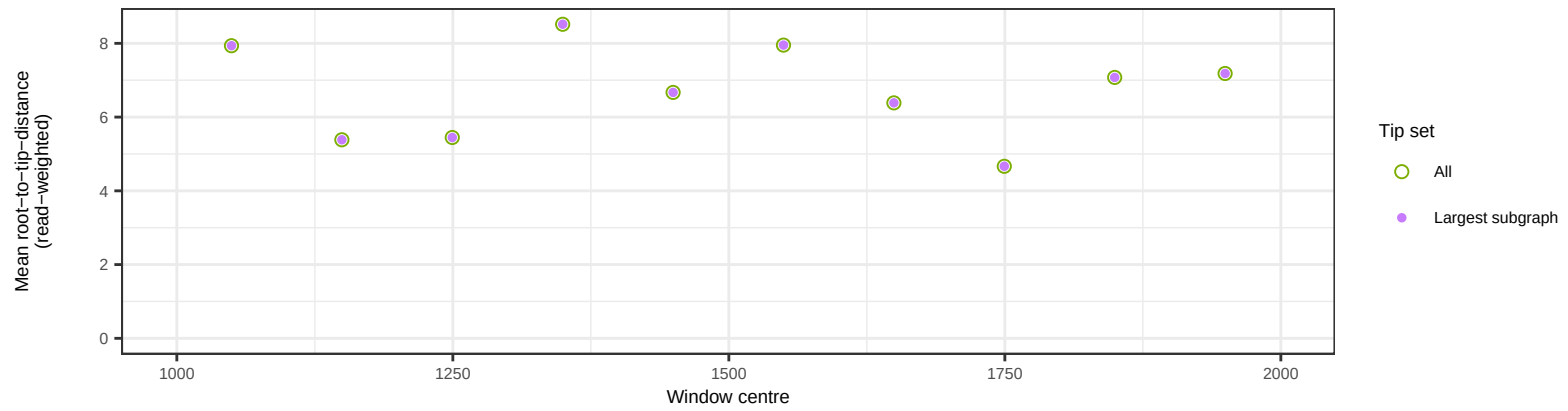

Mean root−to−tip−distance
(read−weighted)
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

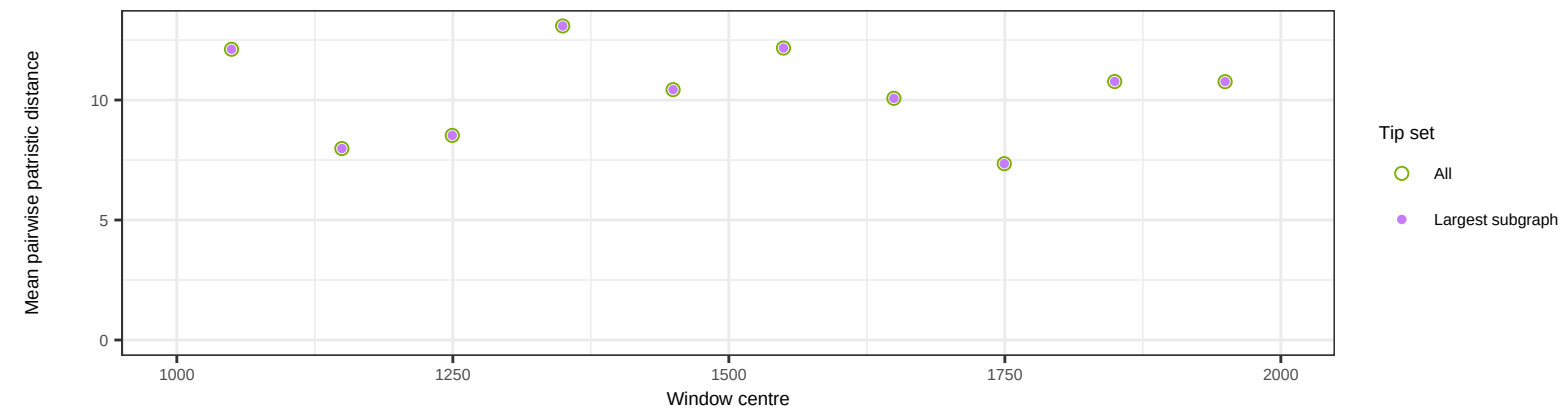

Mean pairwise patristic distance
10.0
7.5
5.0
2.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

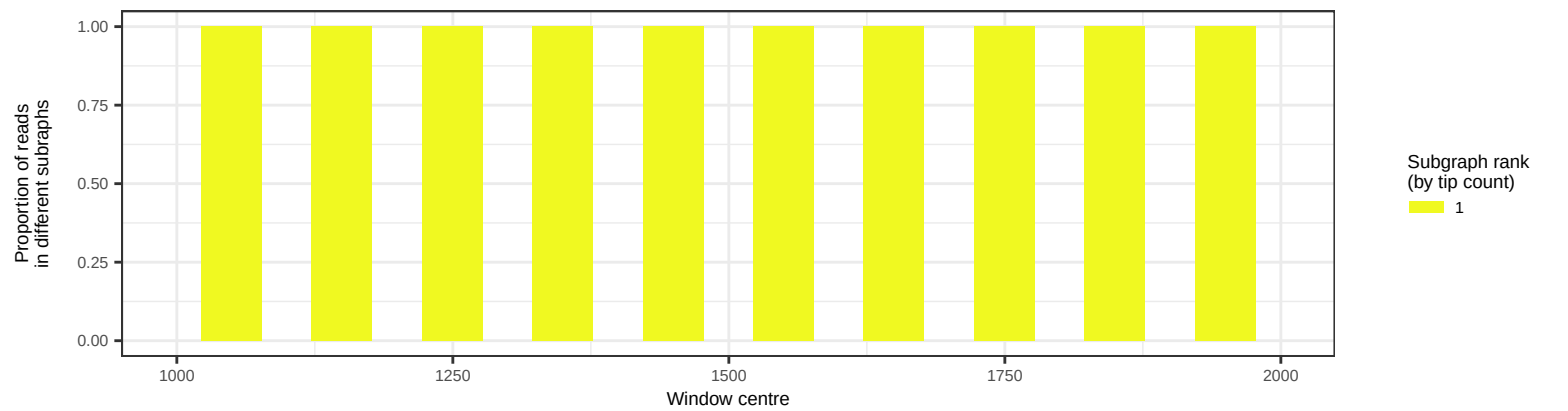

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

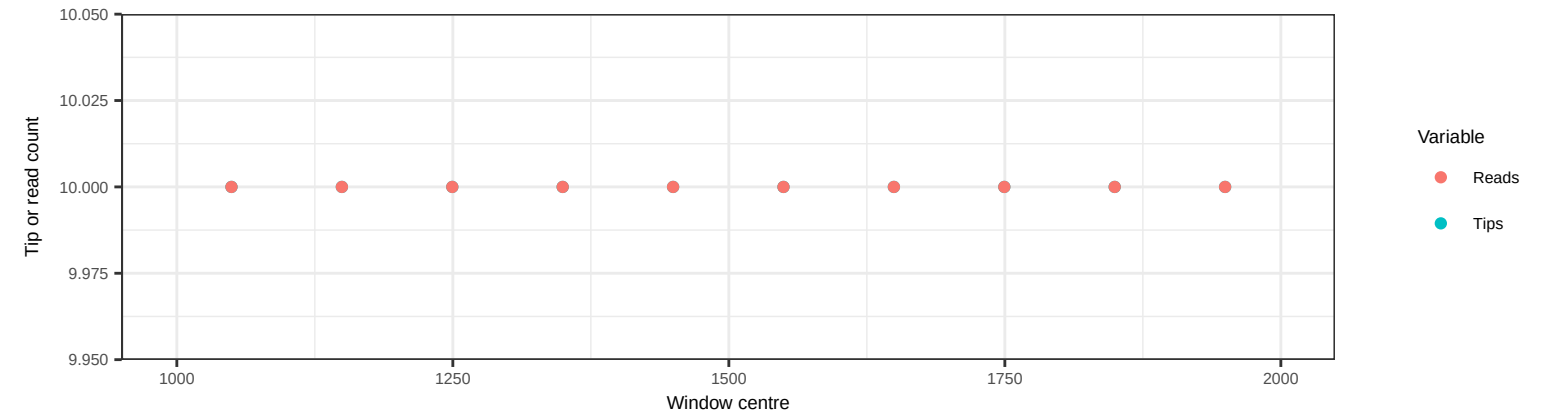

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

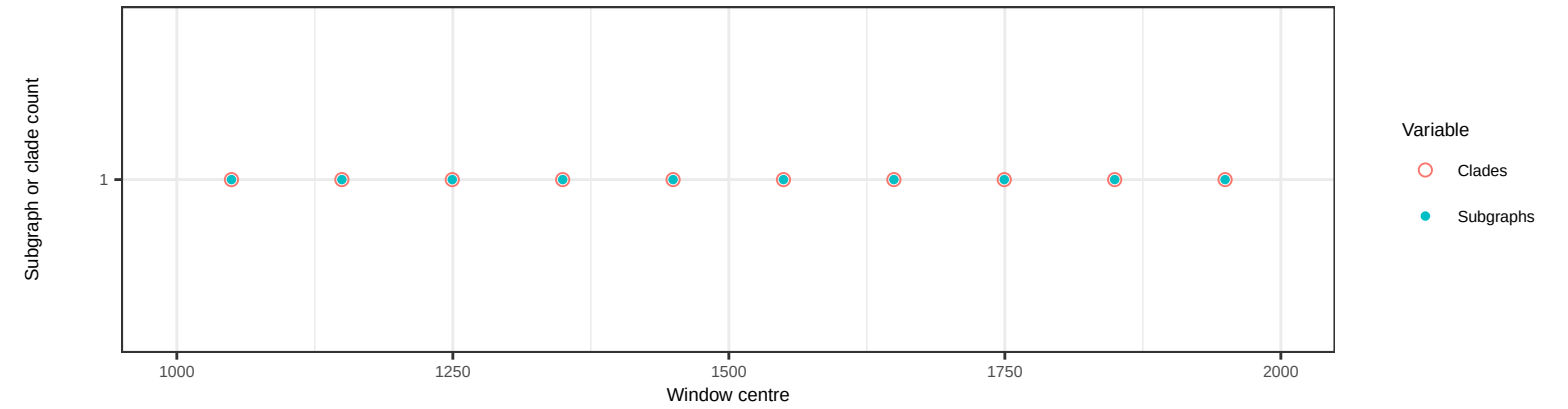

Subgraph or clade count
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

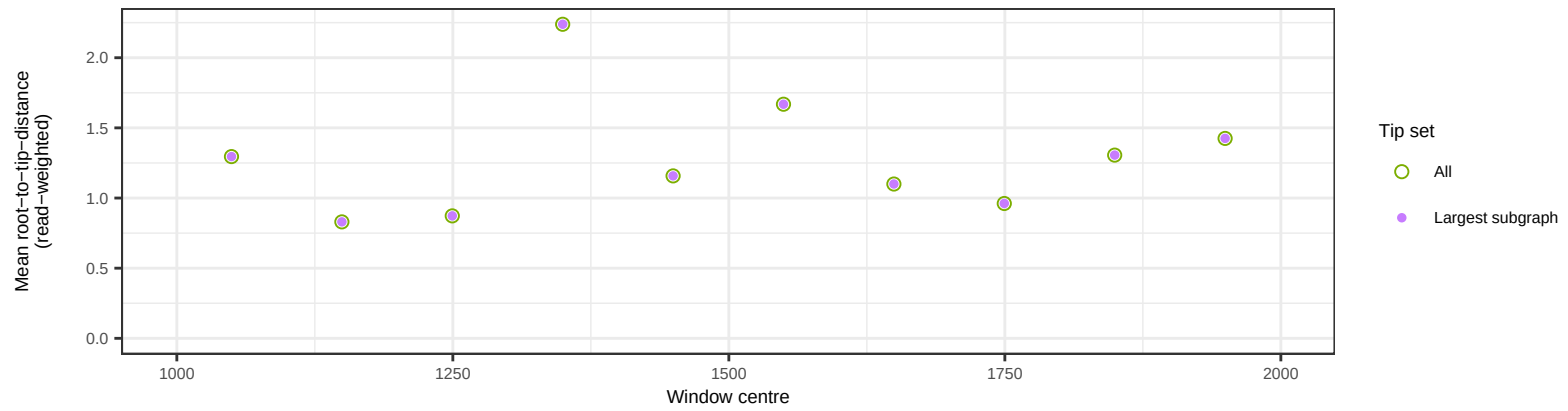

Mean root−to−tip−distance
(read−weighted)
8
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

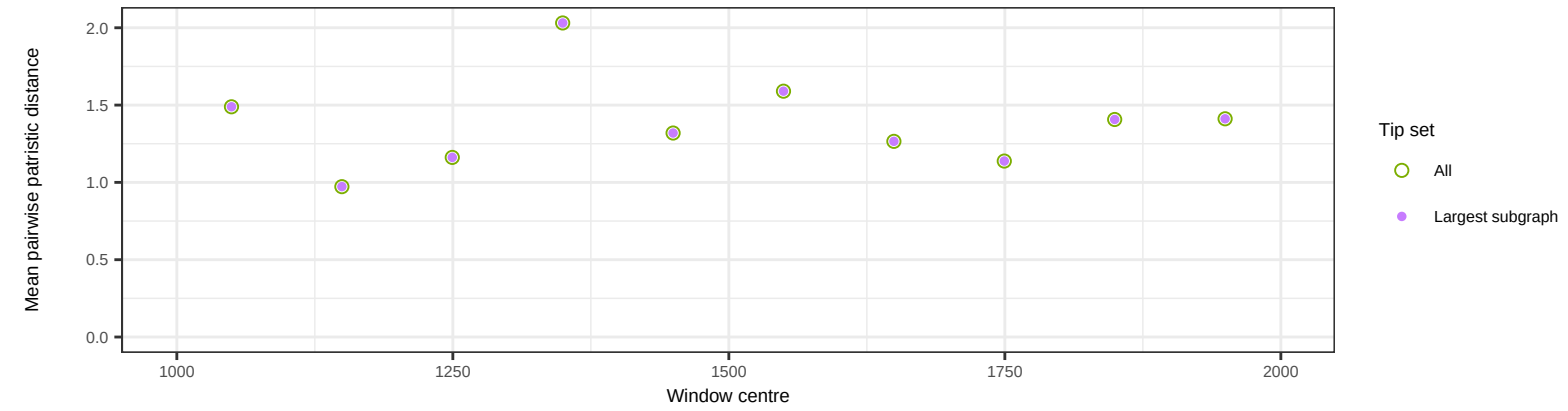

Mean pairwise patristic distance
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

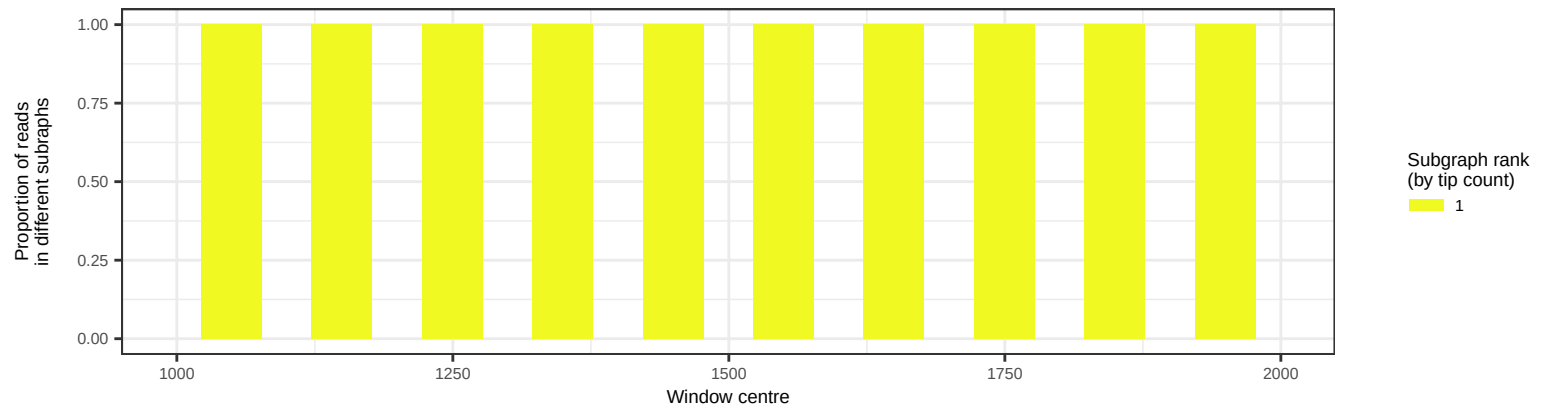

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

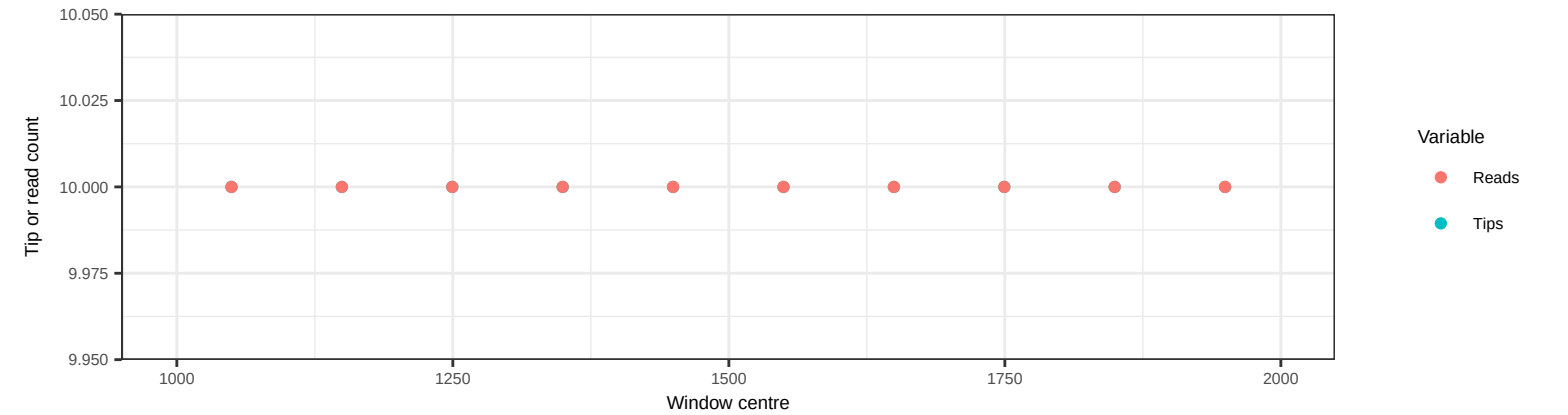

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

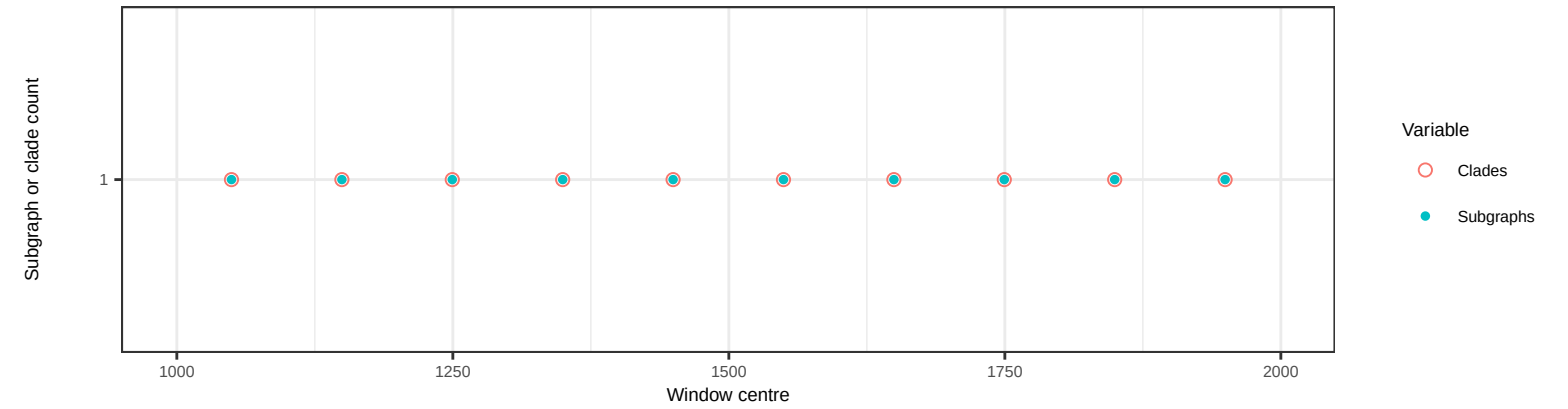

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

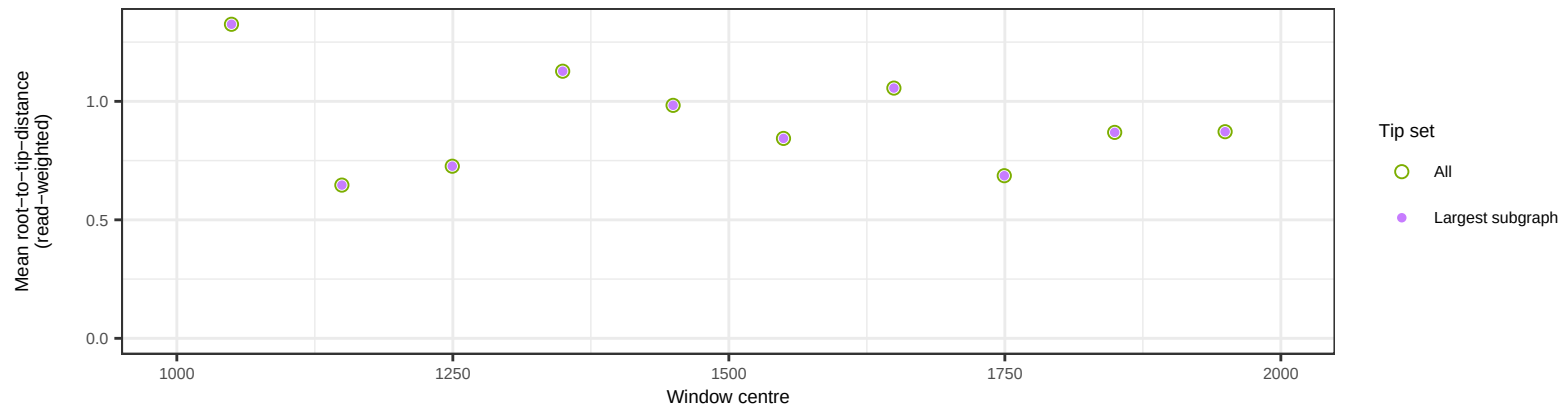

Mean root−to−tip−distance
(read−weighted)
2.0
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

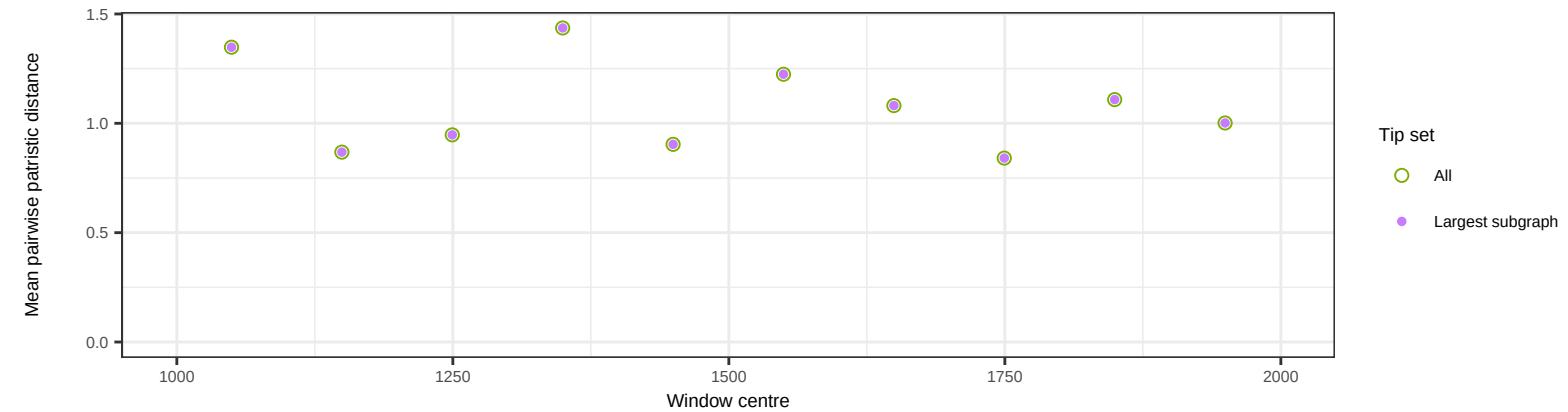

Mean pairwise patristic distance
2.0
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

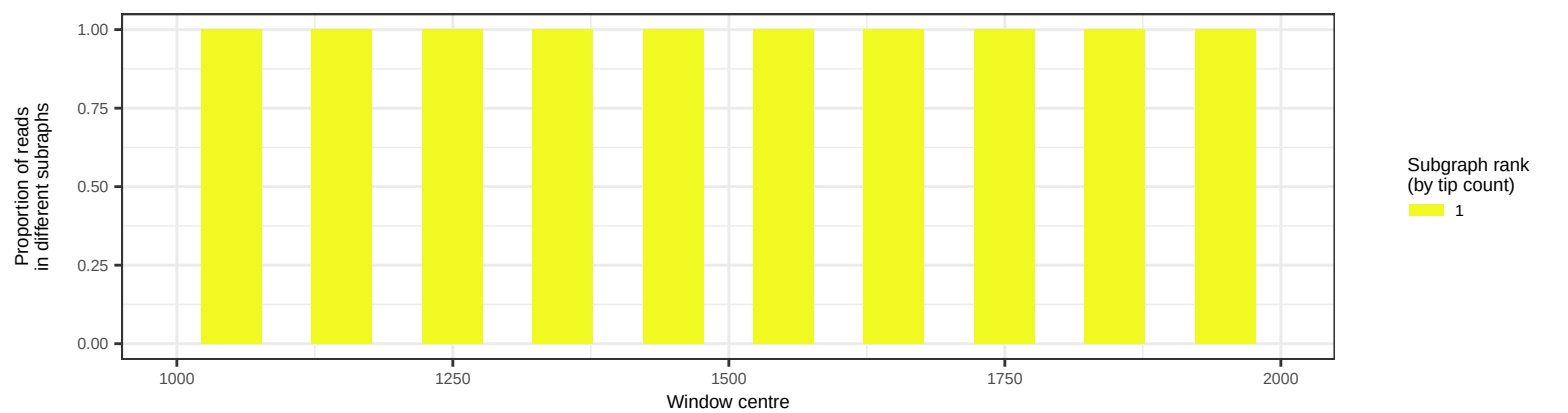

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

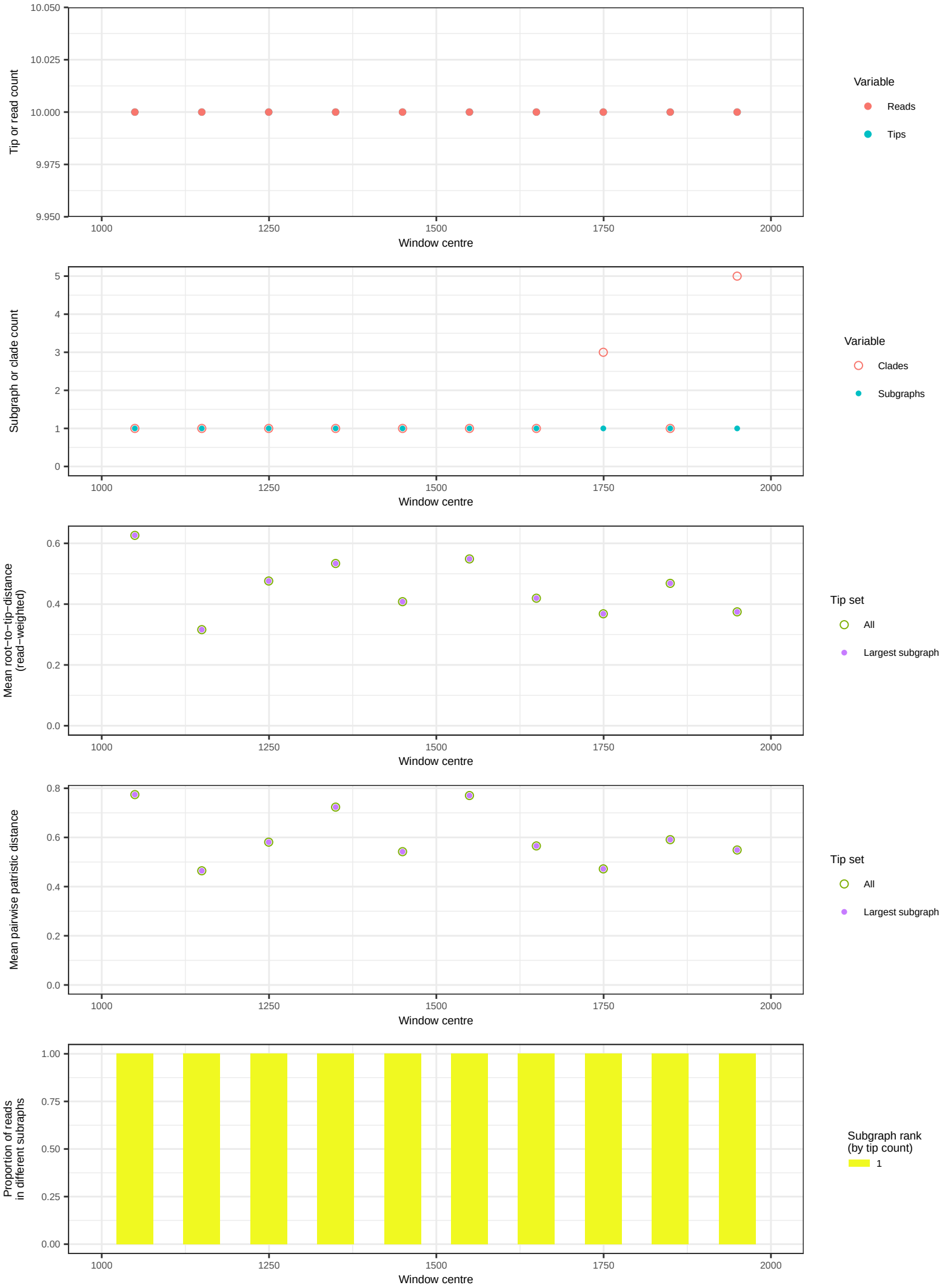

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

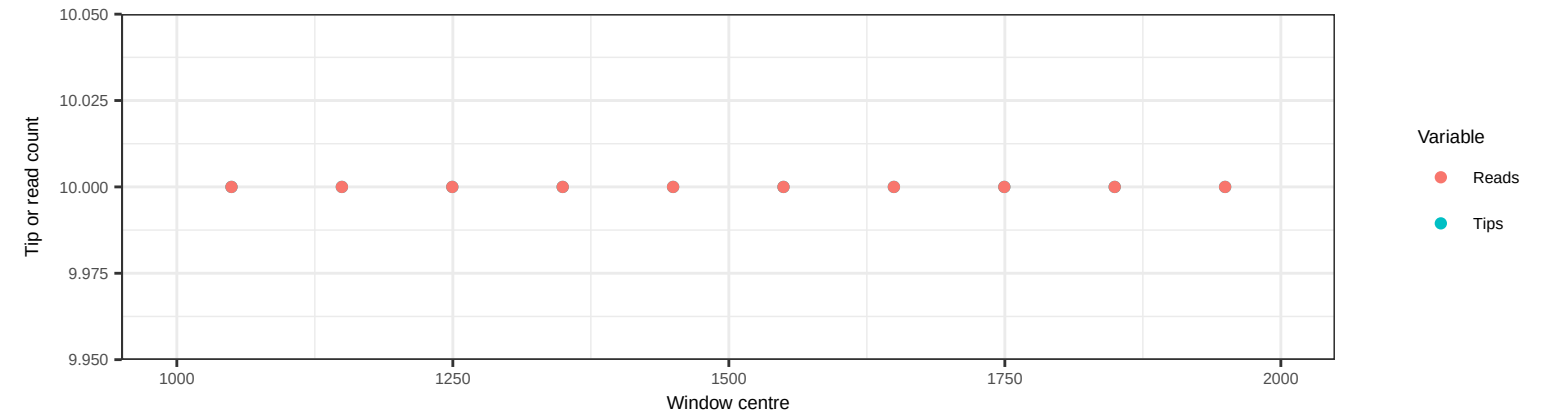

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

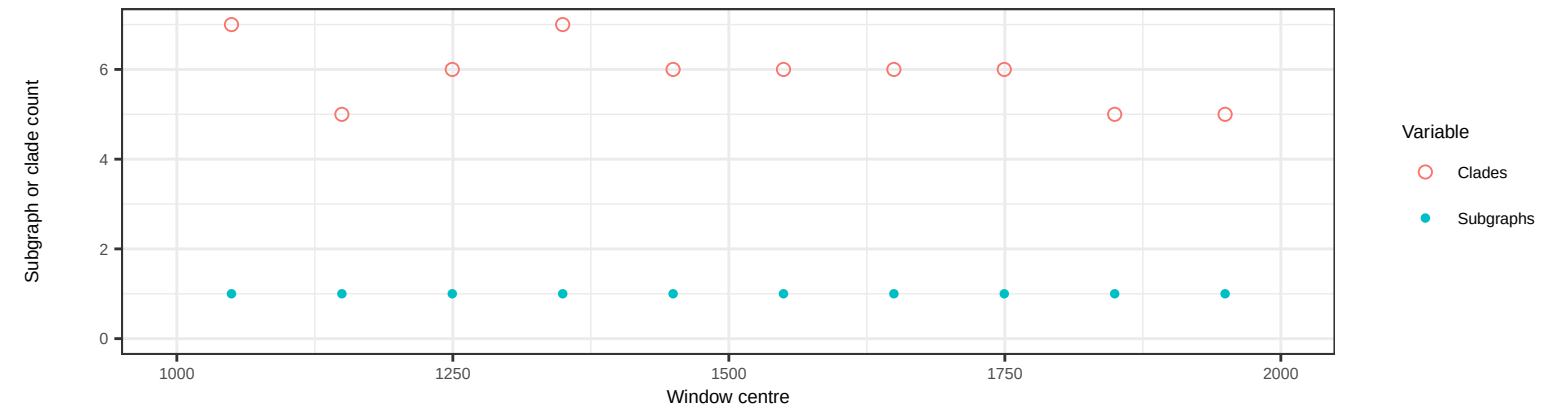

Mean root−to−tip−distance
(read−weighted)
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

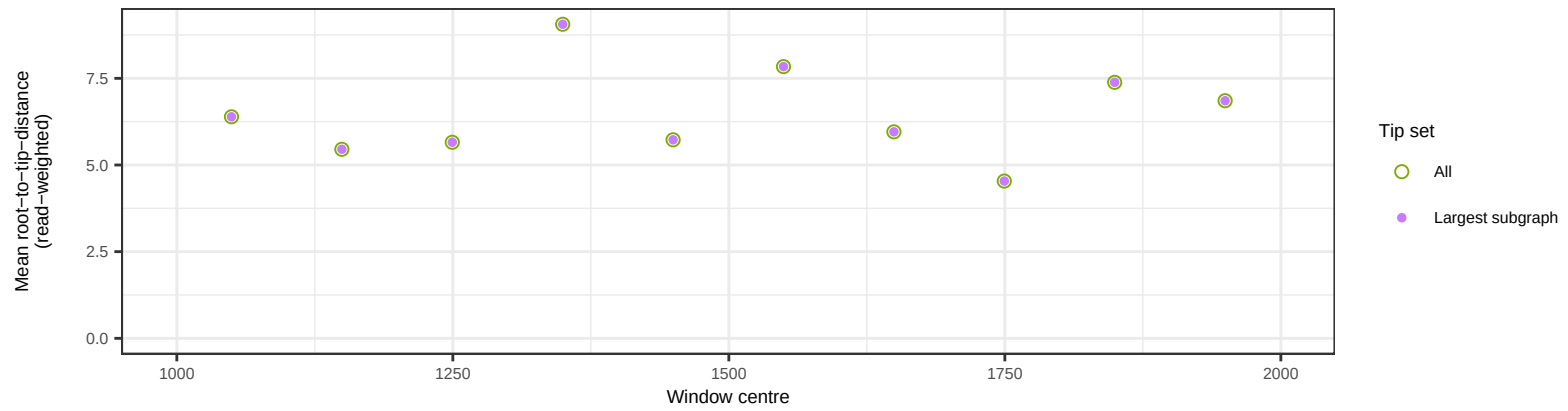

Mean pairwise patristic distance
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

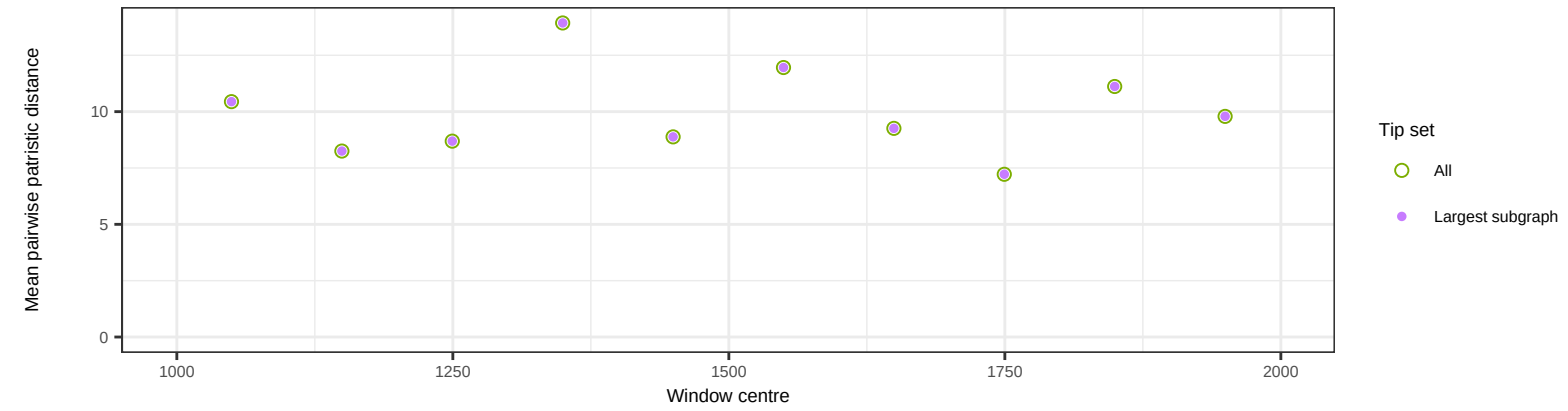

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

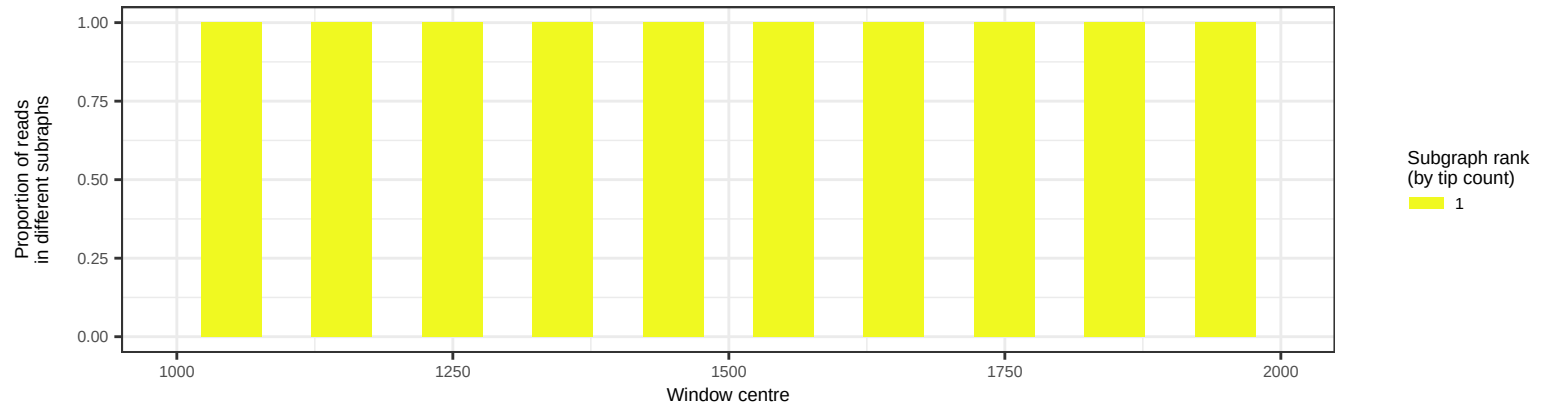

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
5
4
3
2
1
0
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
0.6
0.4
0.2
0.0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
0.8
0.6
0.4
0.2
0.0
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
1

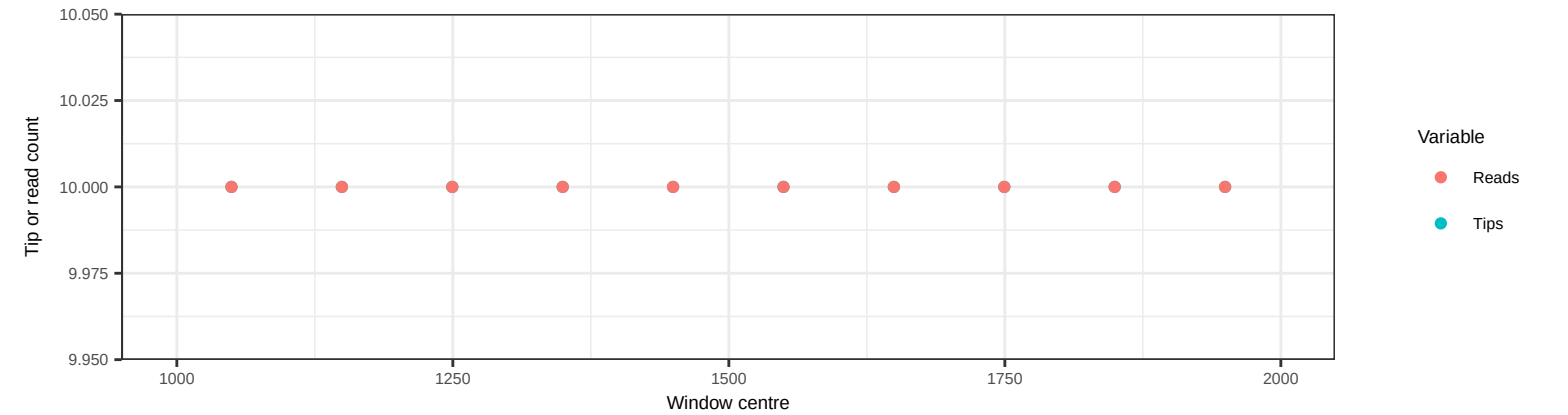

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

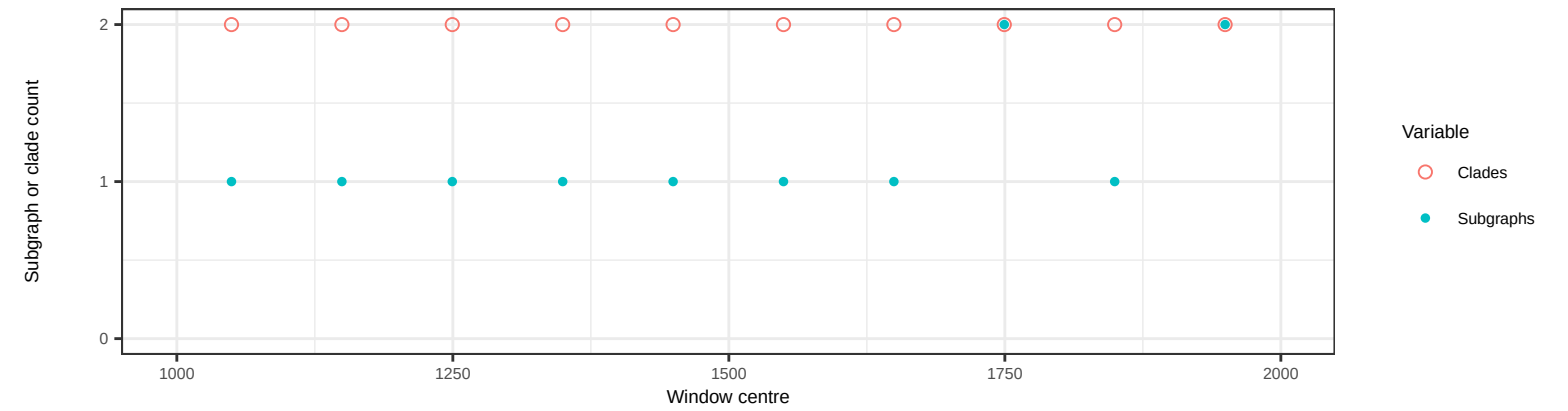

Subgraph or clade count
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

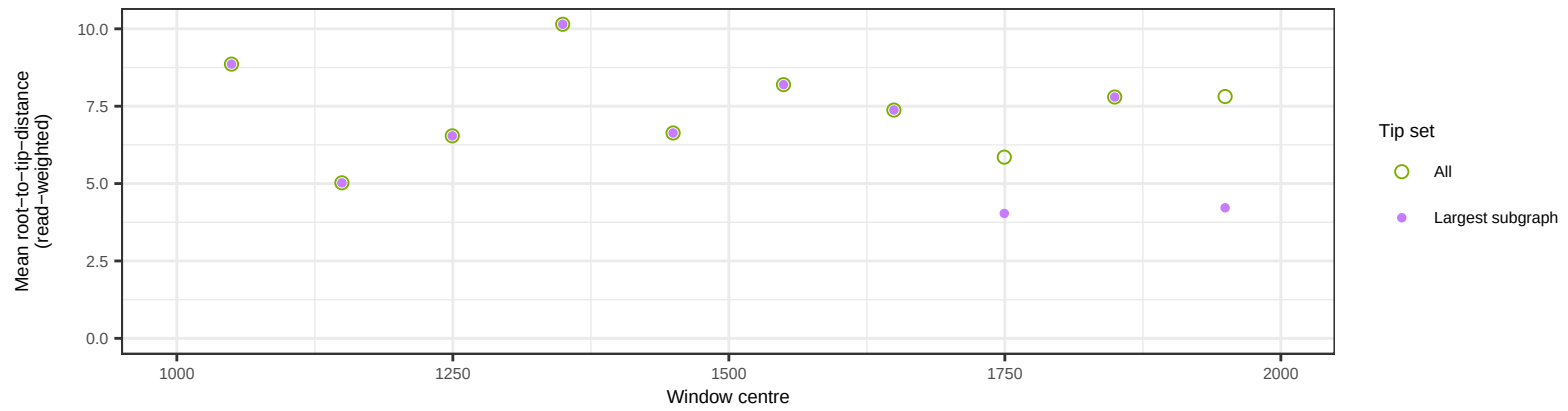

Mean root−to−tip−distance
(read−weighted)
7.5
5.0
2.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

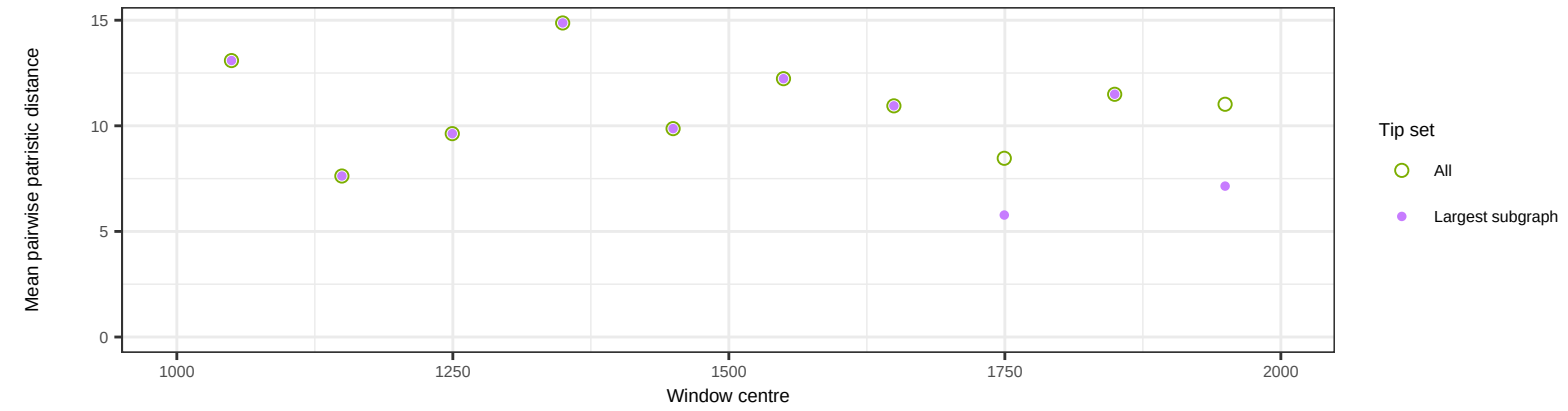

Mean pairwise patristic distance
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

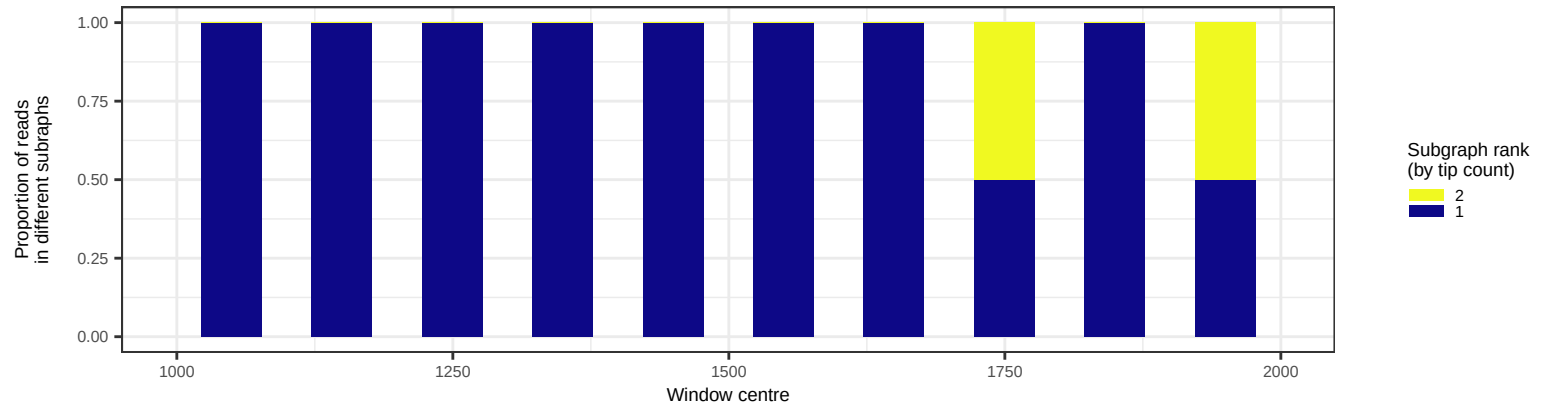

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

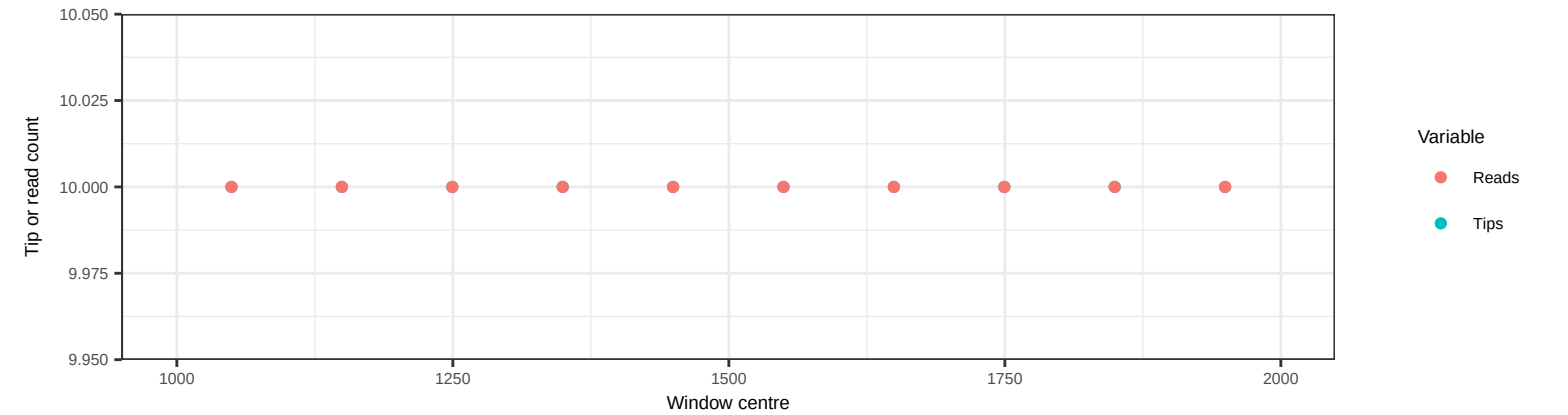

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

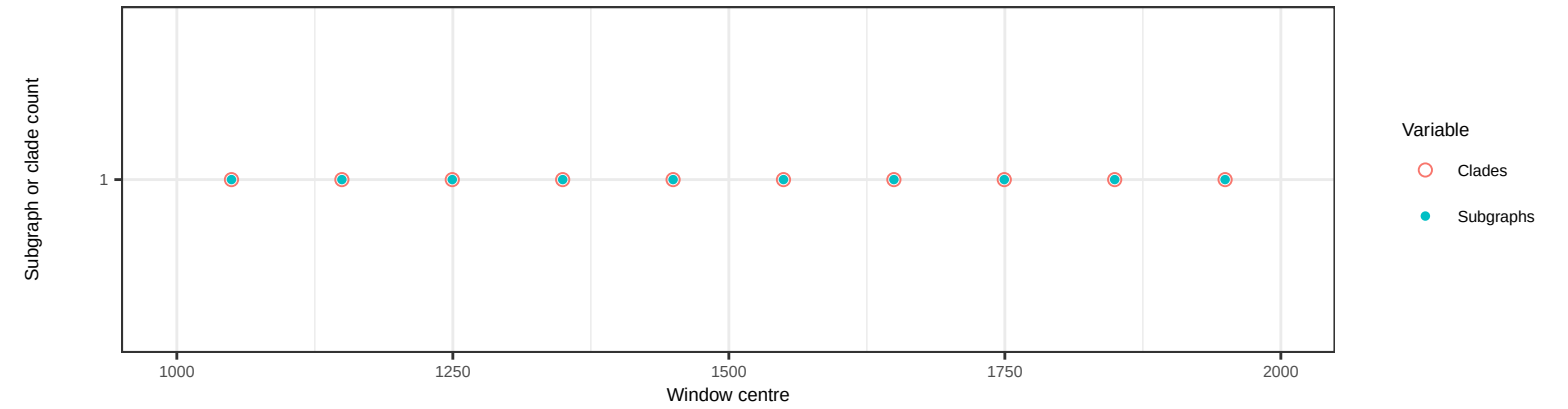

Subgraph or clade count
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

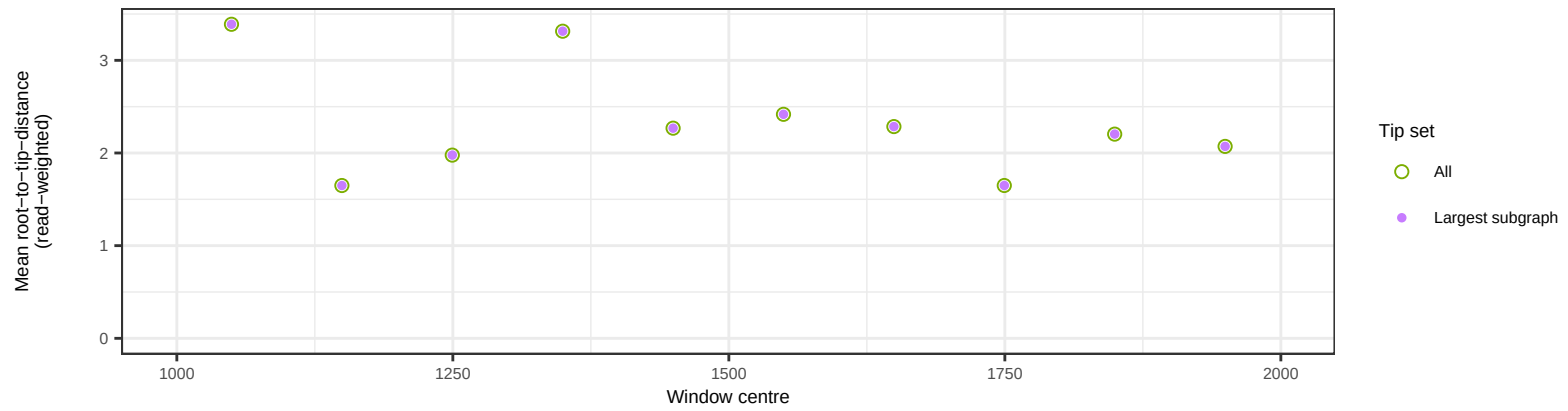

Mean root−to−tip−distance
(read−weighted)
10.0
7.5
5.0
2.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

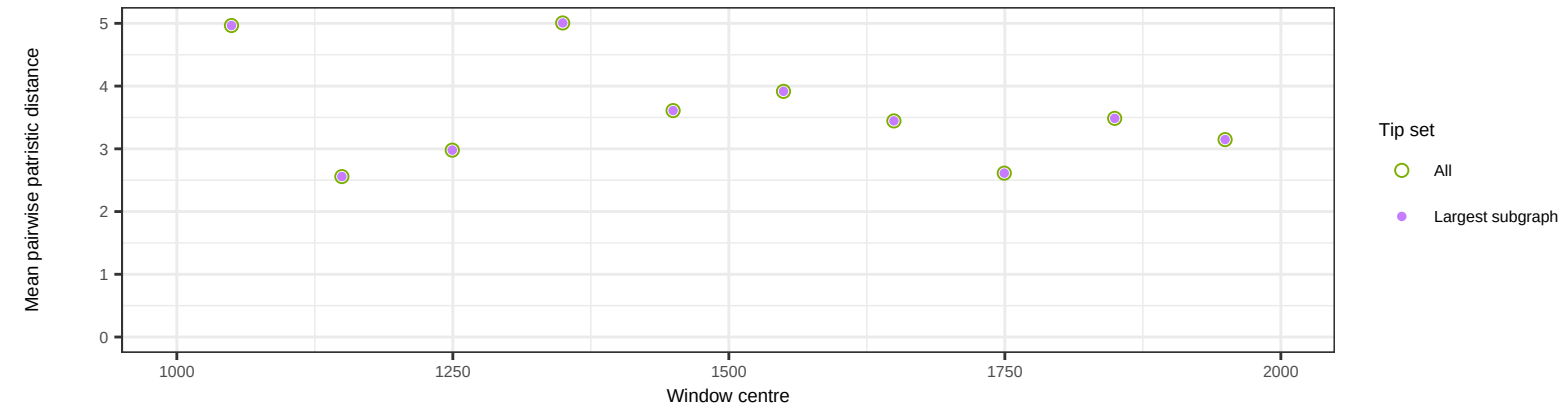

Mean pairwise patristic distance
15
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

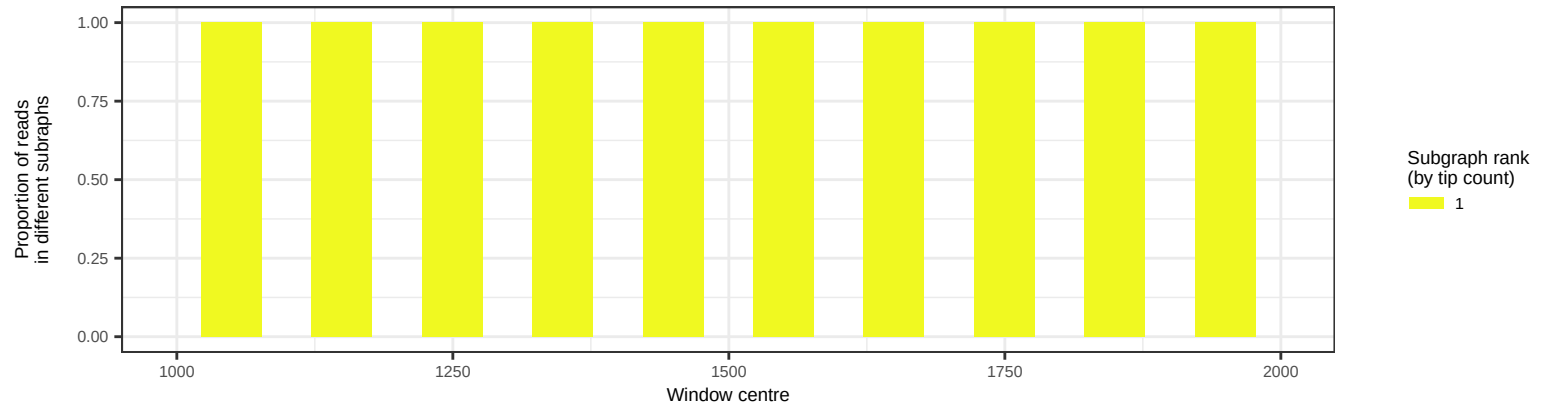

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
2
1

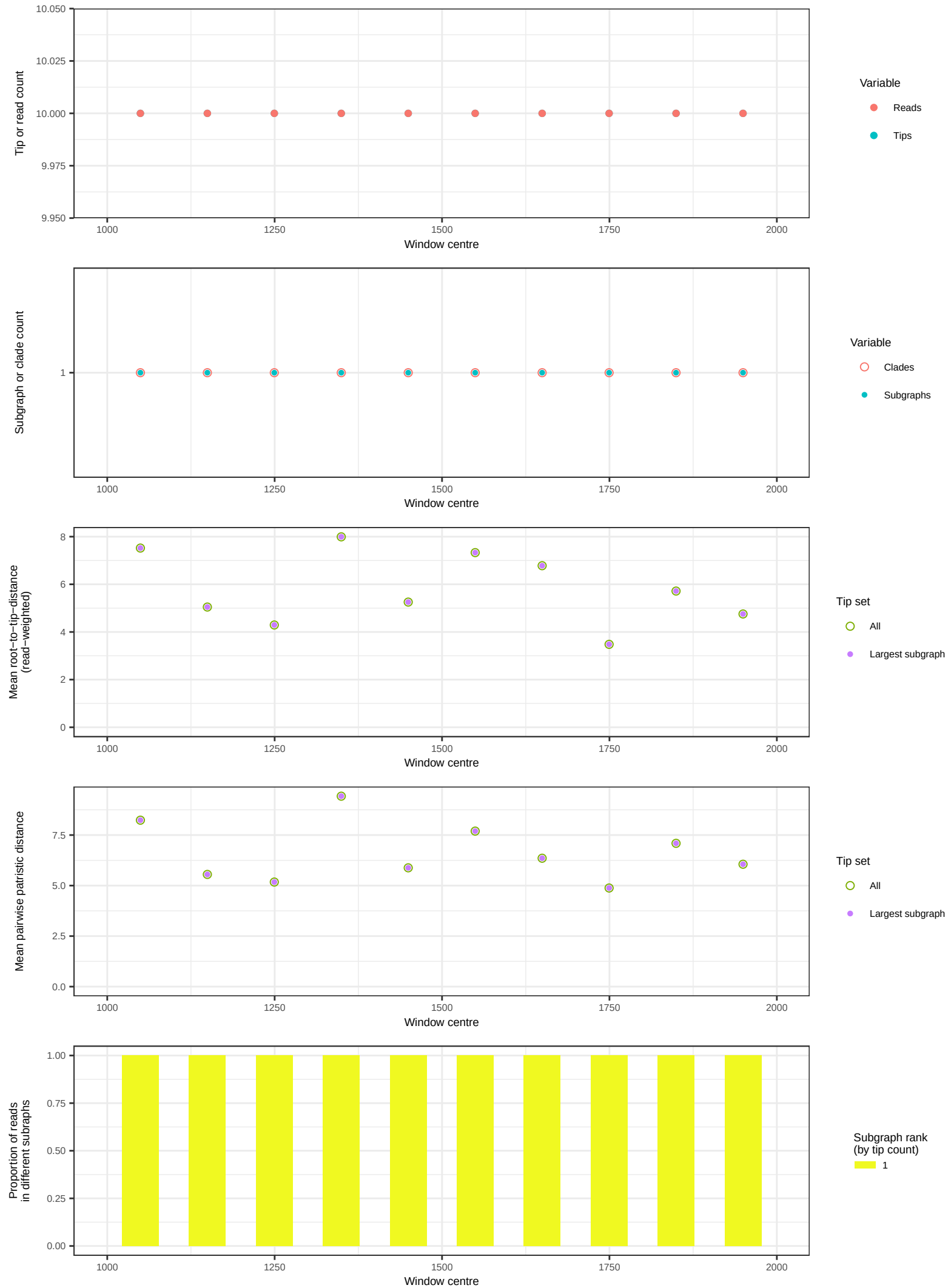

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

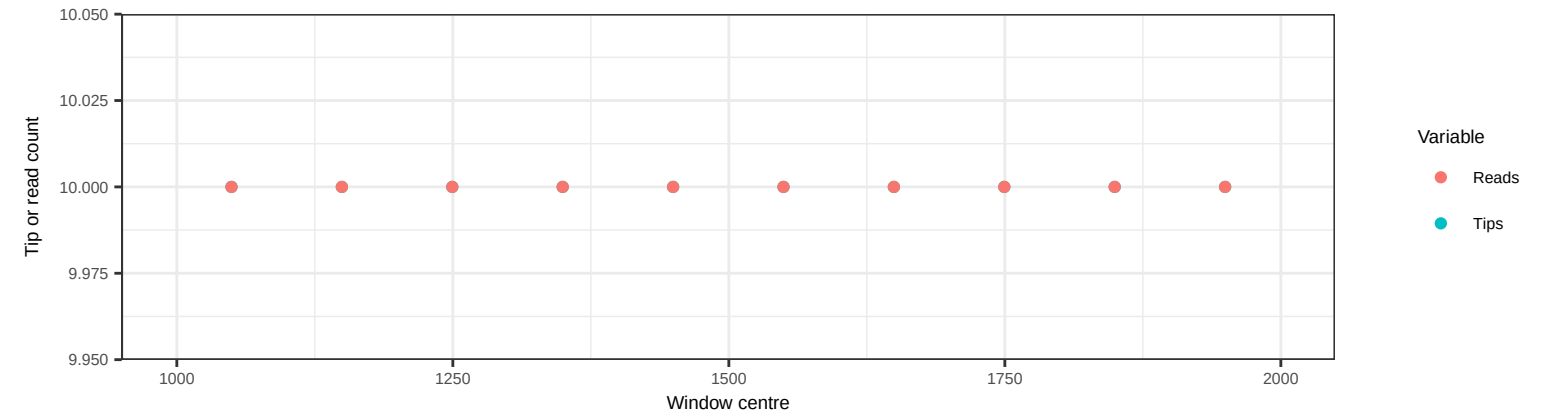

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

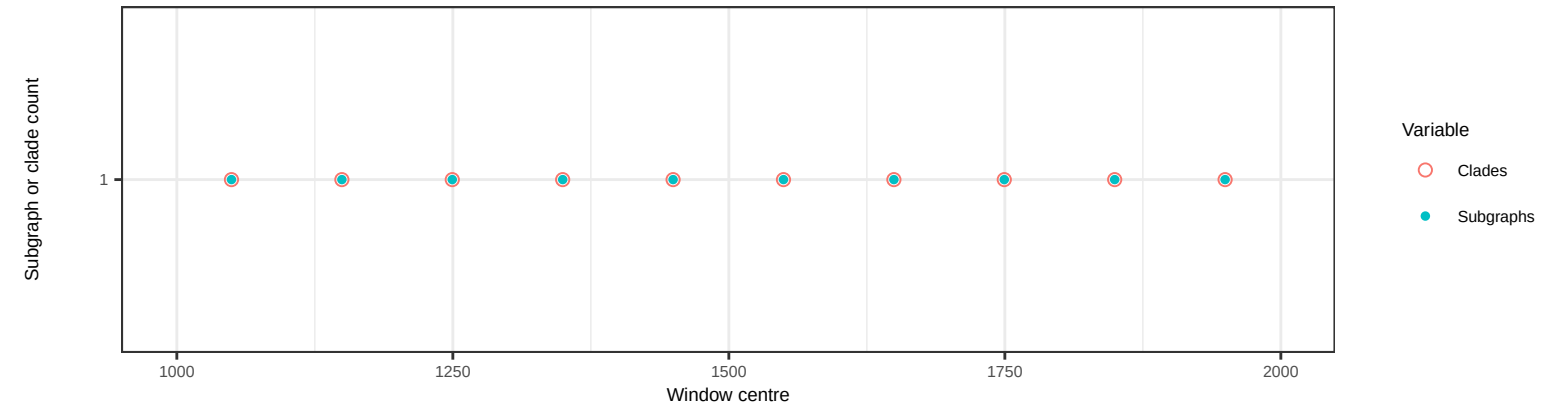

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

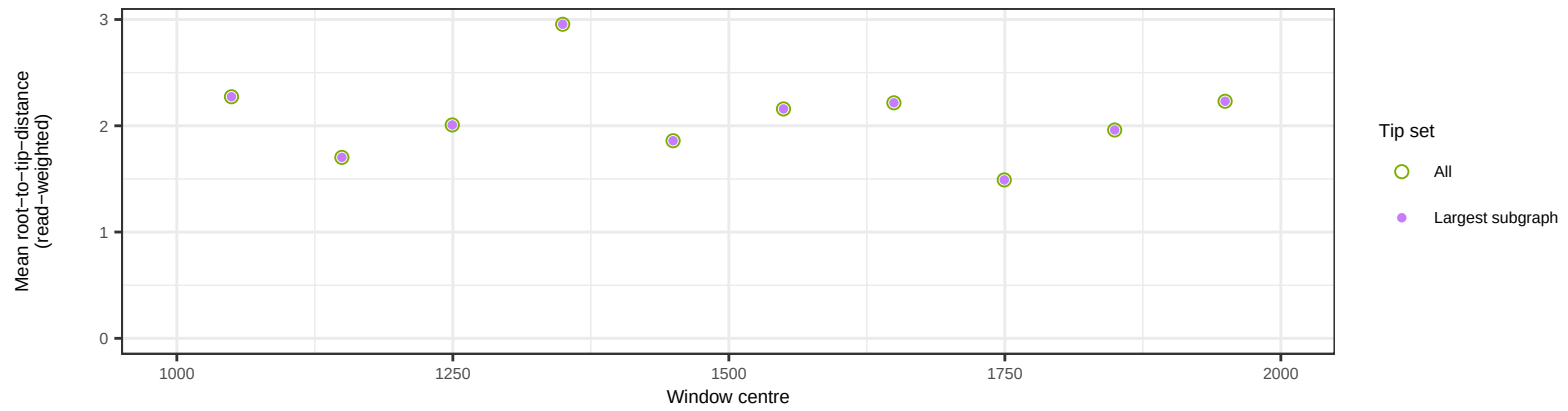

Mean pairwise patristic distance
5
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

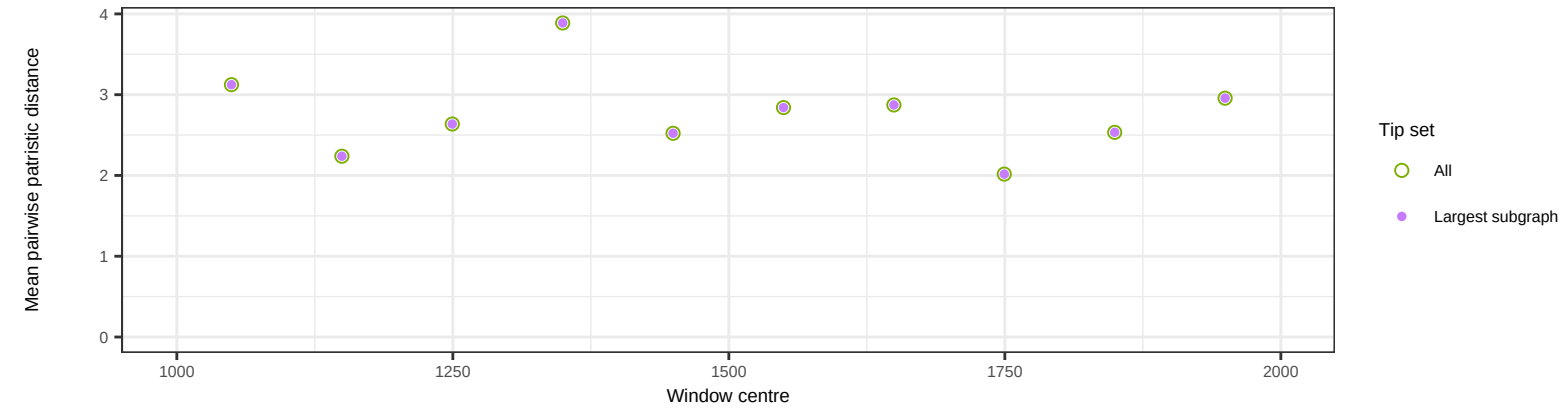

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

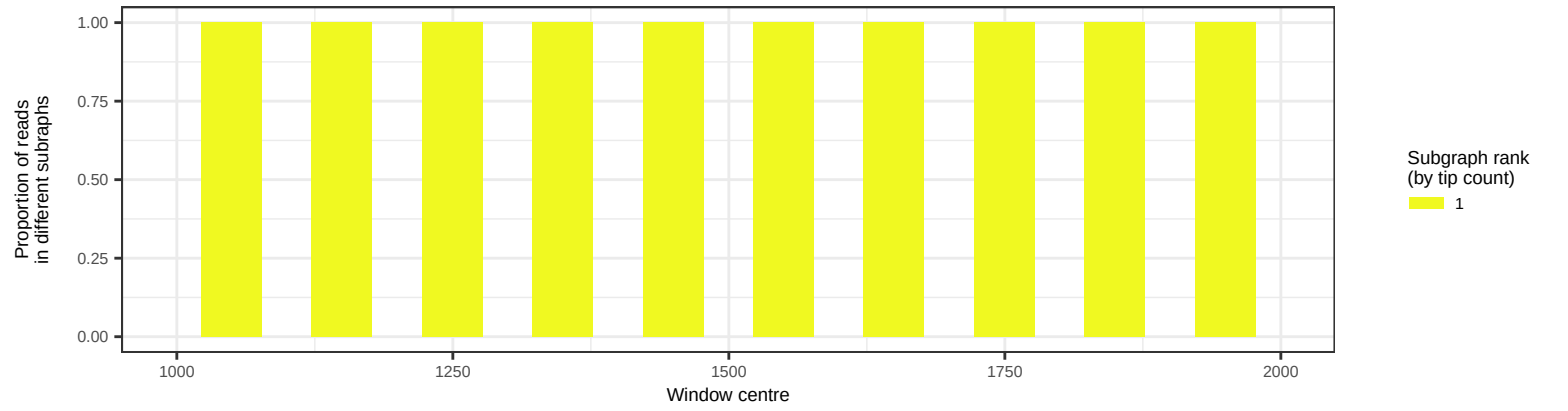

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
8
6
4
2
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
7.5
5.0
2.5
0.0
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
1


Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

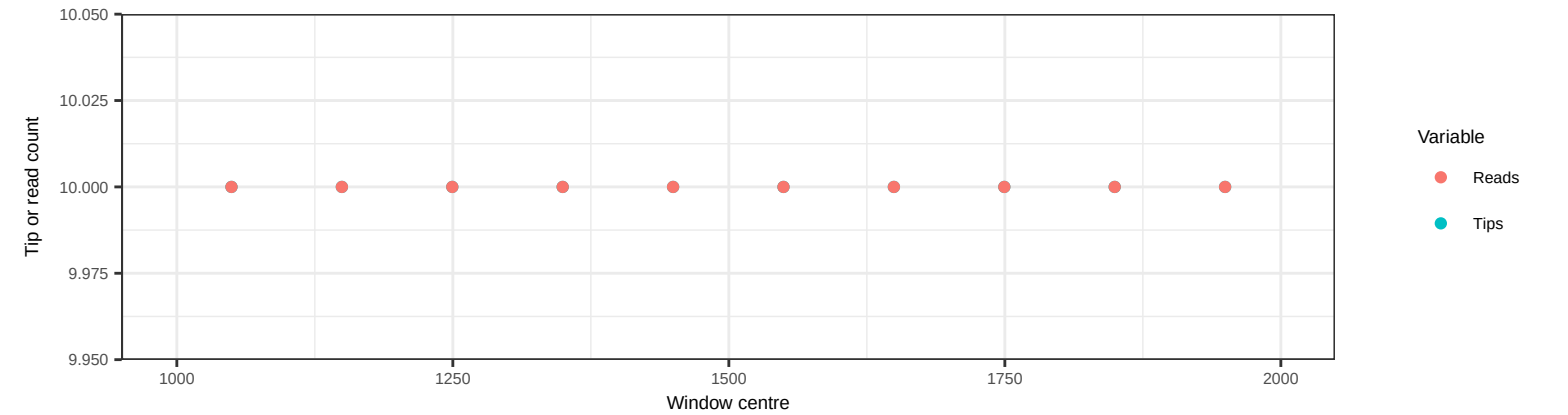

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

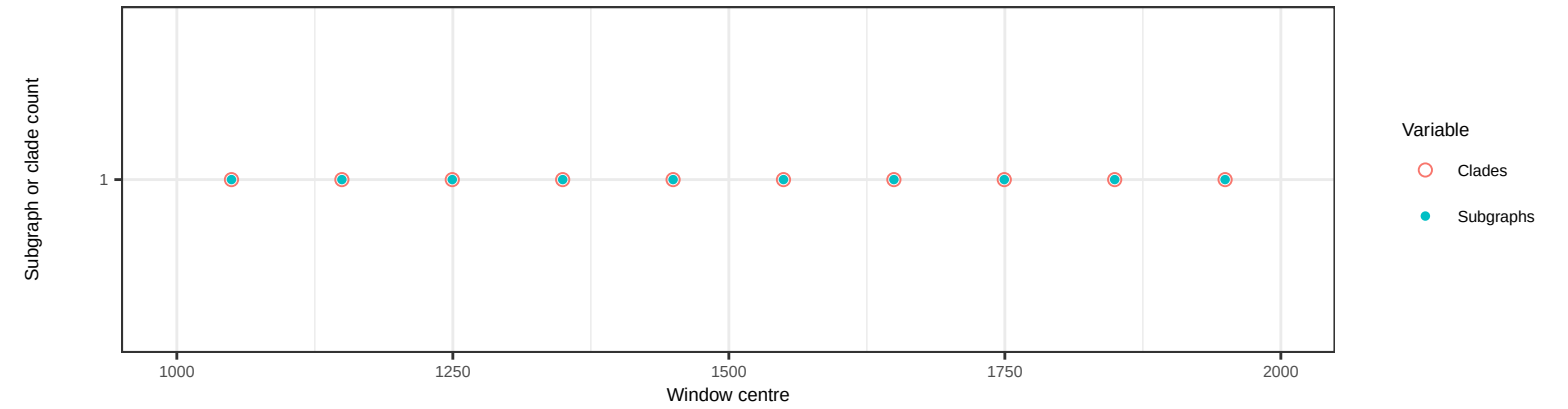

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

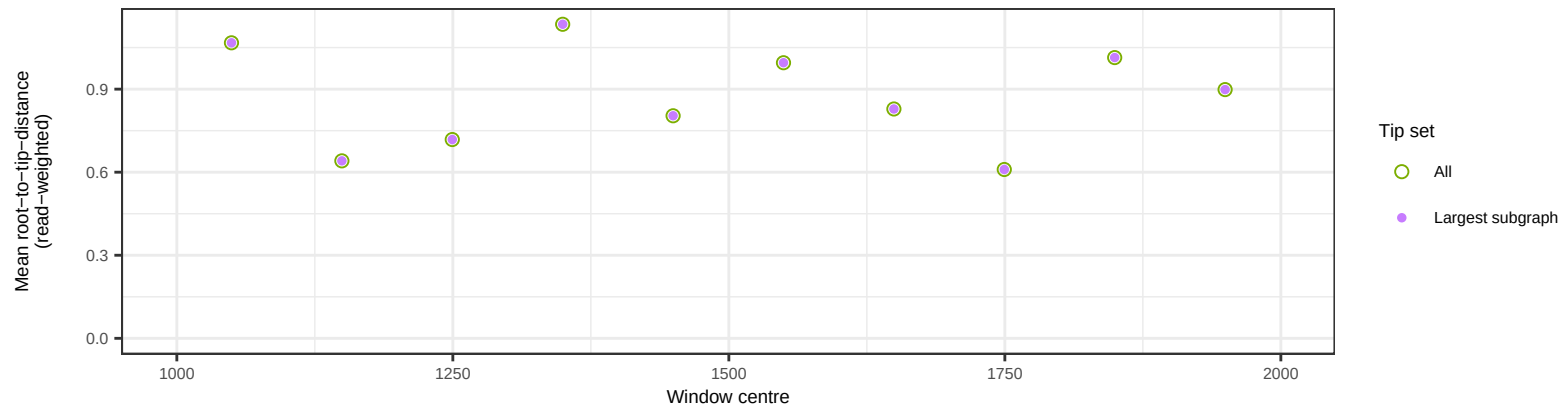

Mean pairwise patristic distance
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

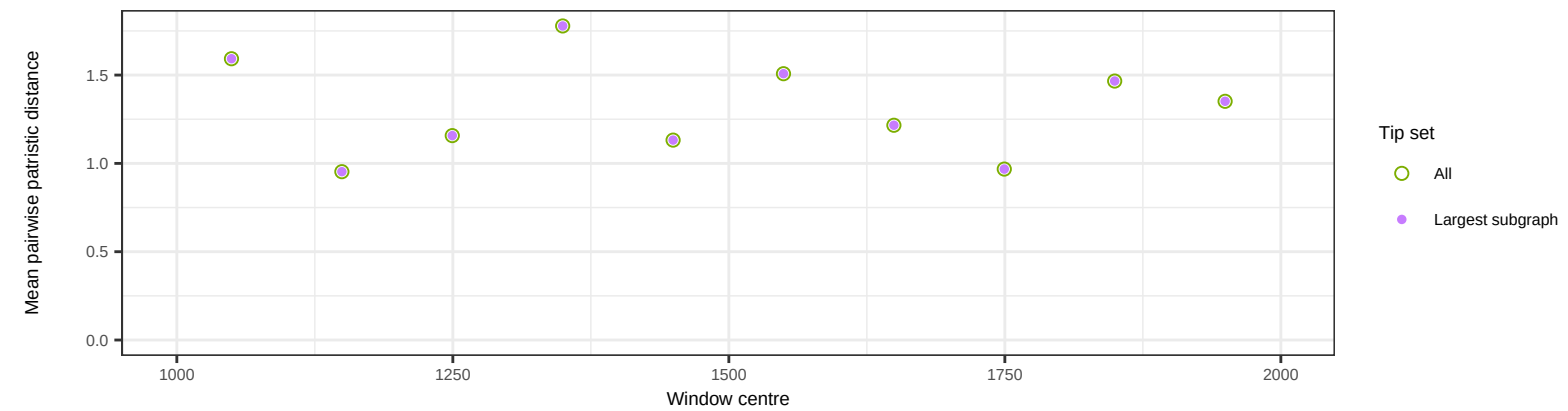

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

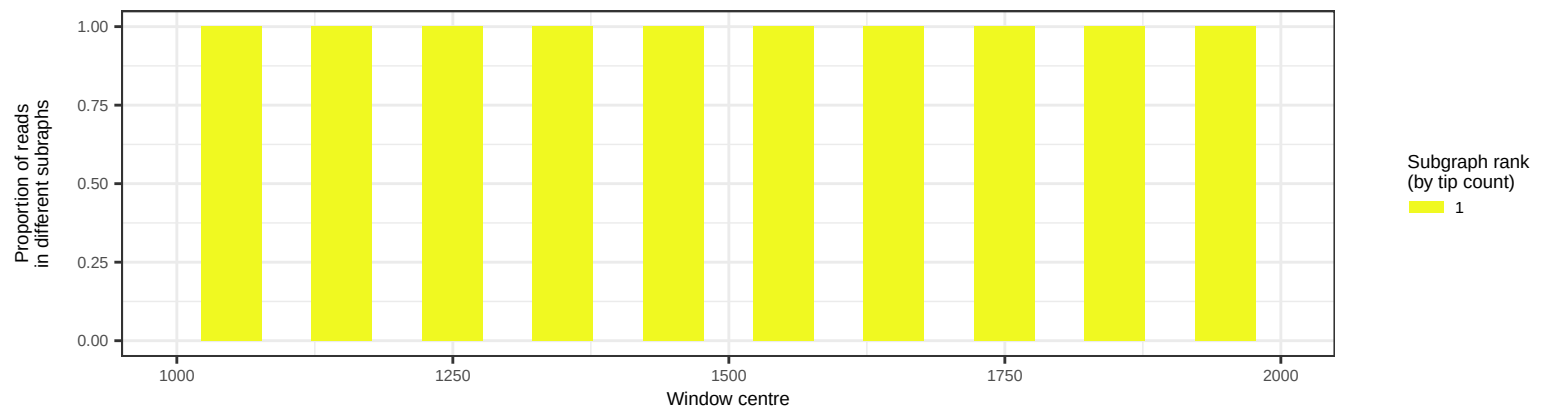
742

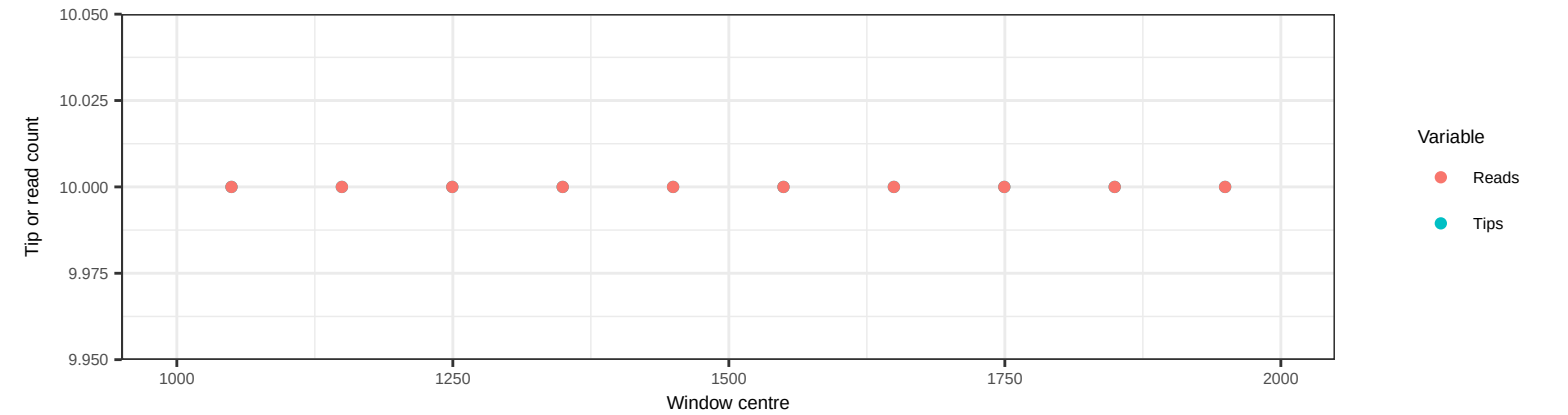

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

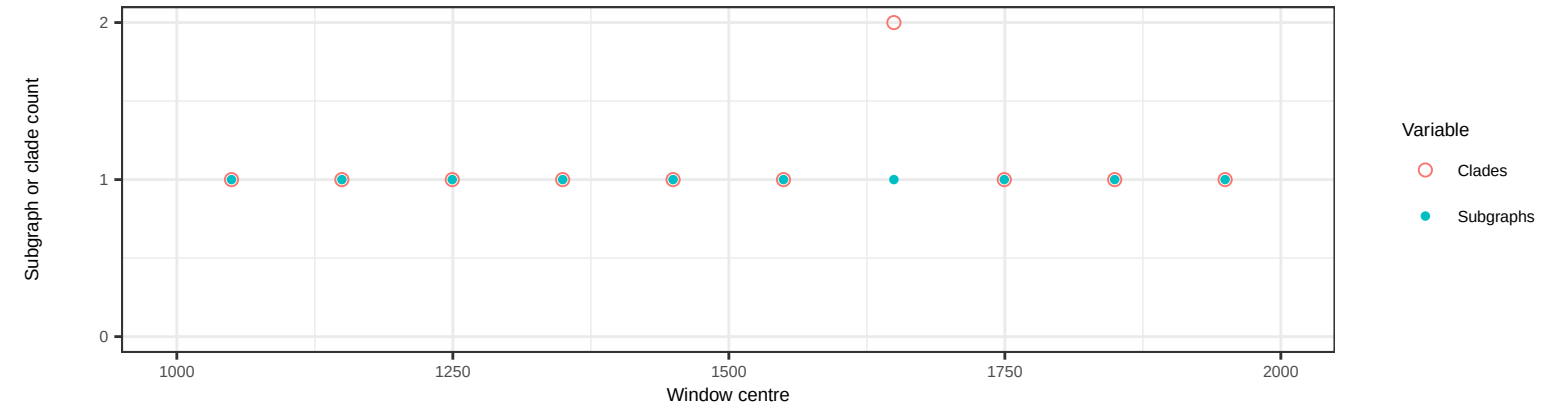

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

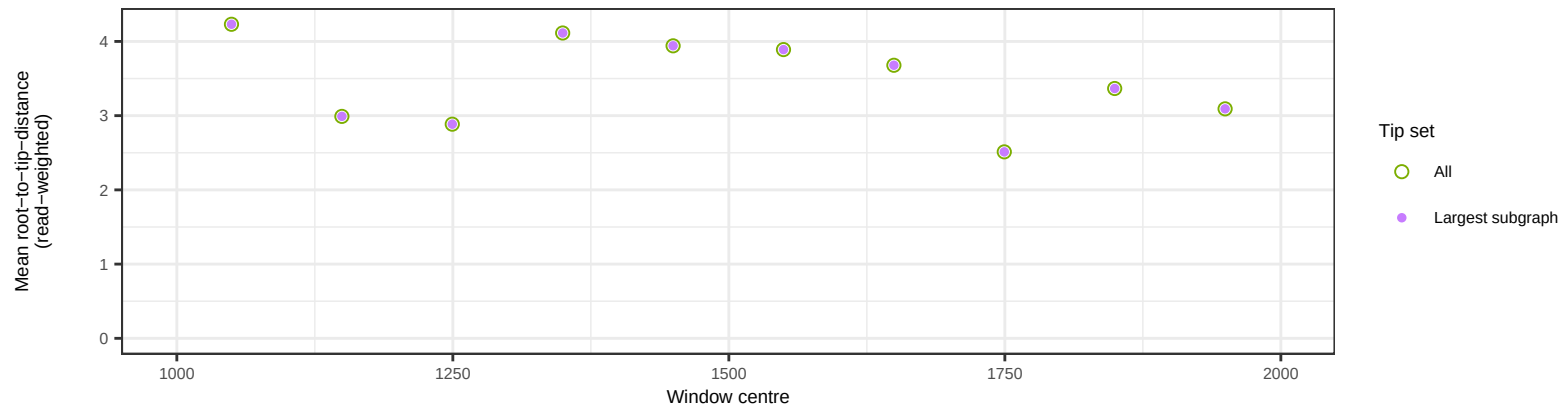

Mean root−to−tip−distance
(read−weighted)
0.9
0.6
0.3
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

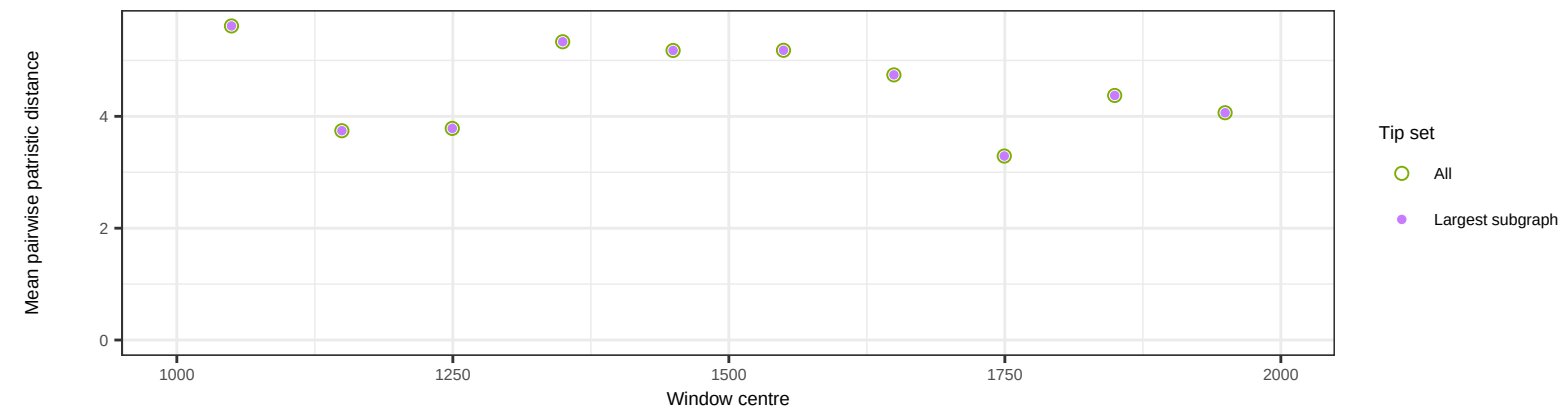

Mean pairwise patristic distance
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

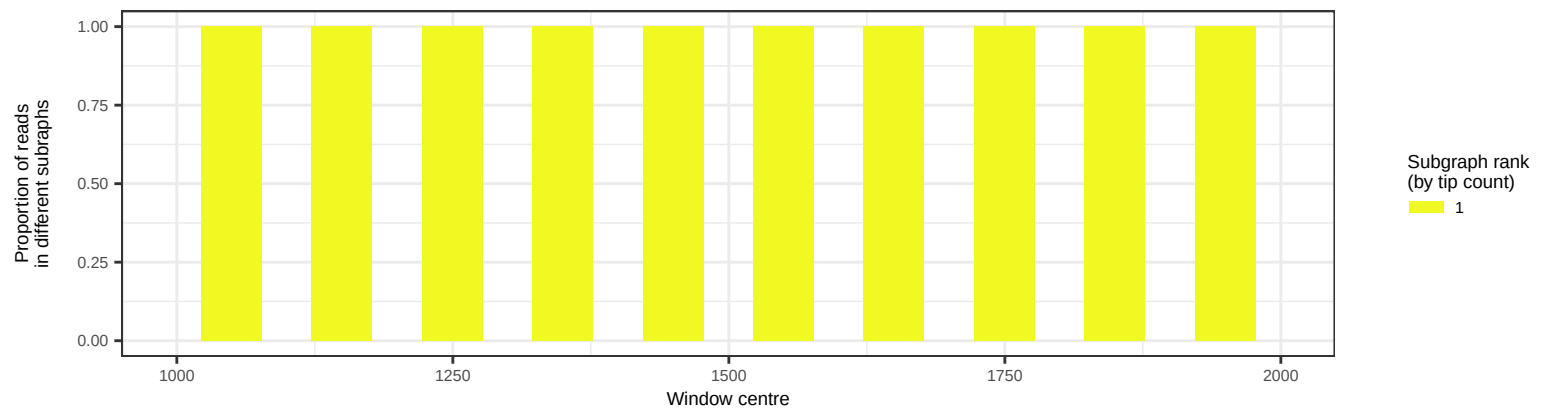

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

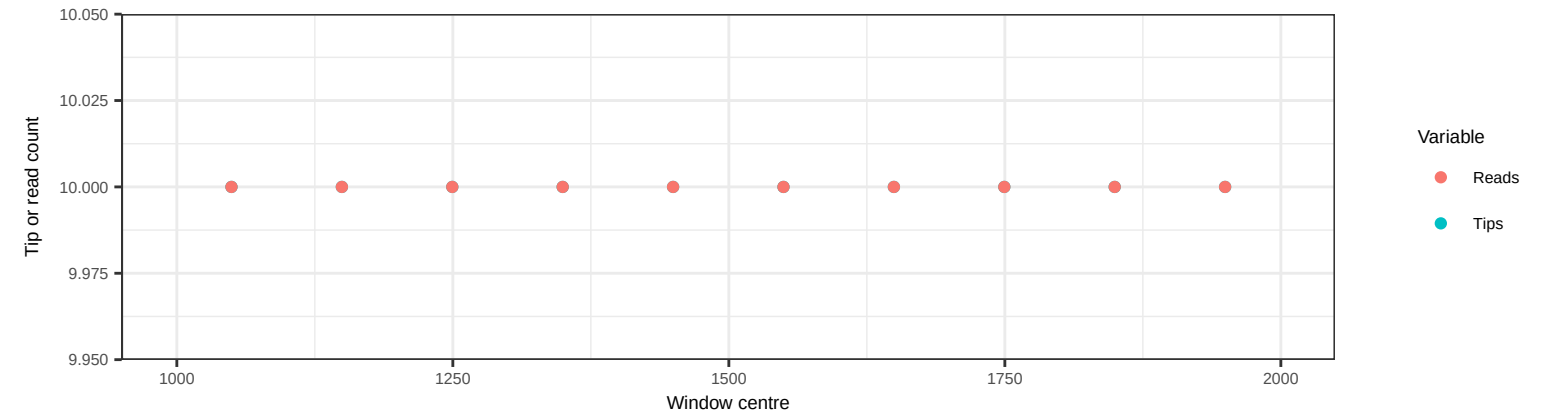

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

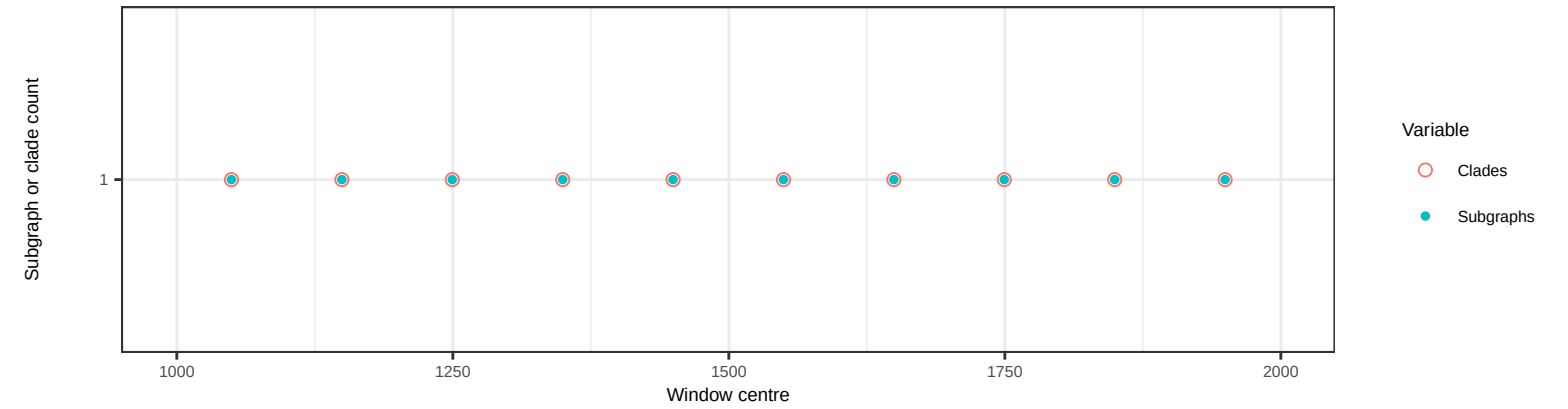

Subgraph or clade count
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

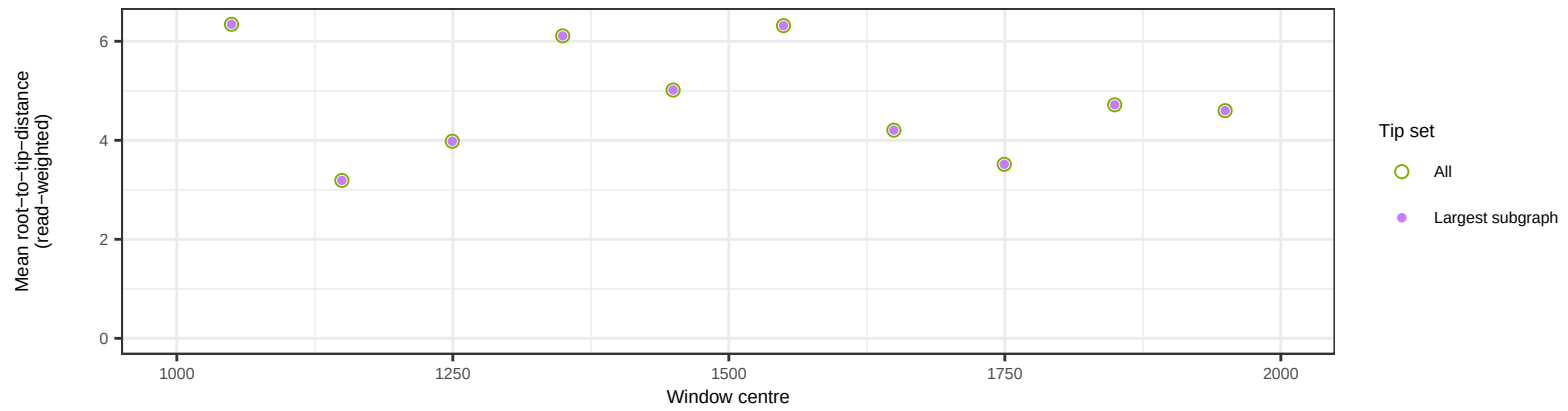

Mean root−to−tip−distance
(read−weighted)
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

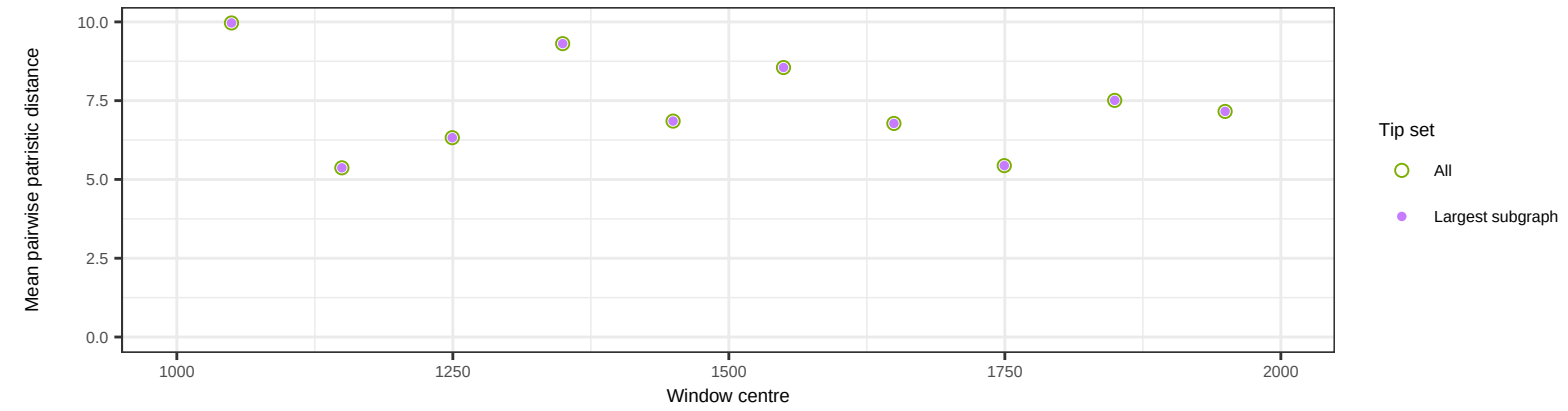

Mean pairwise patristic distance
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

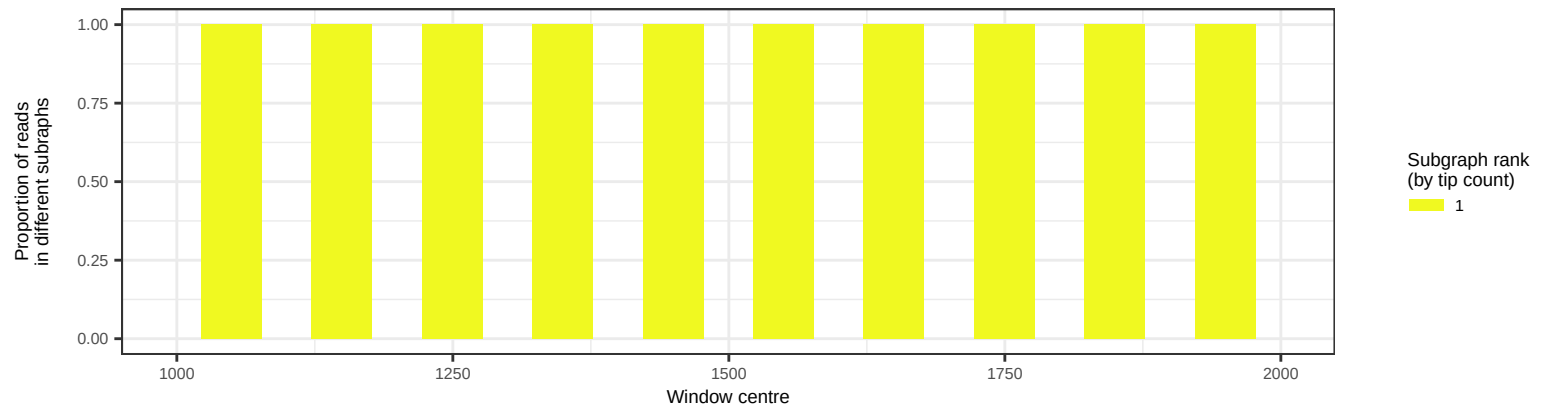

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1


Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

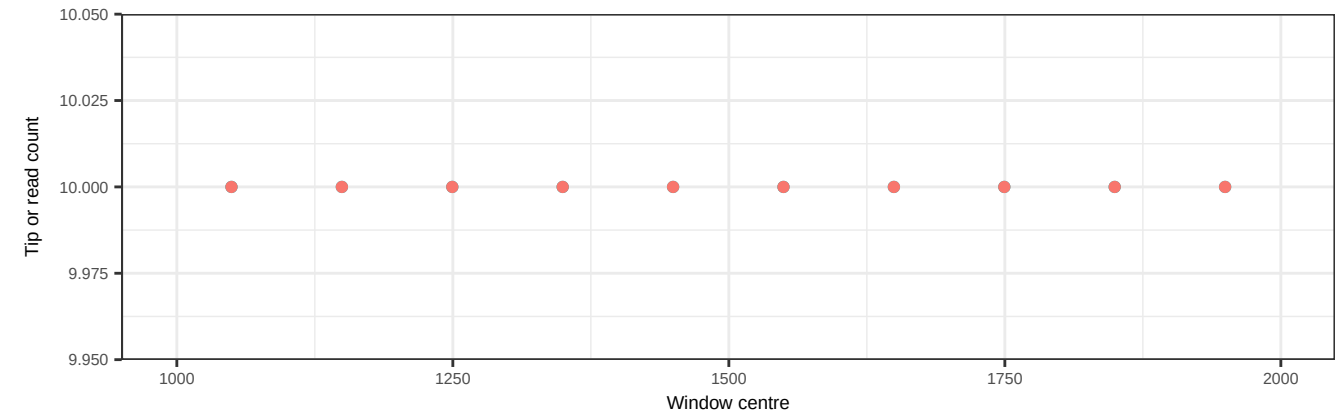

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

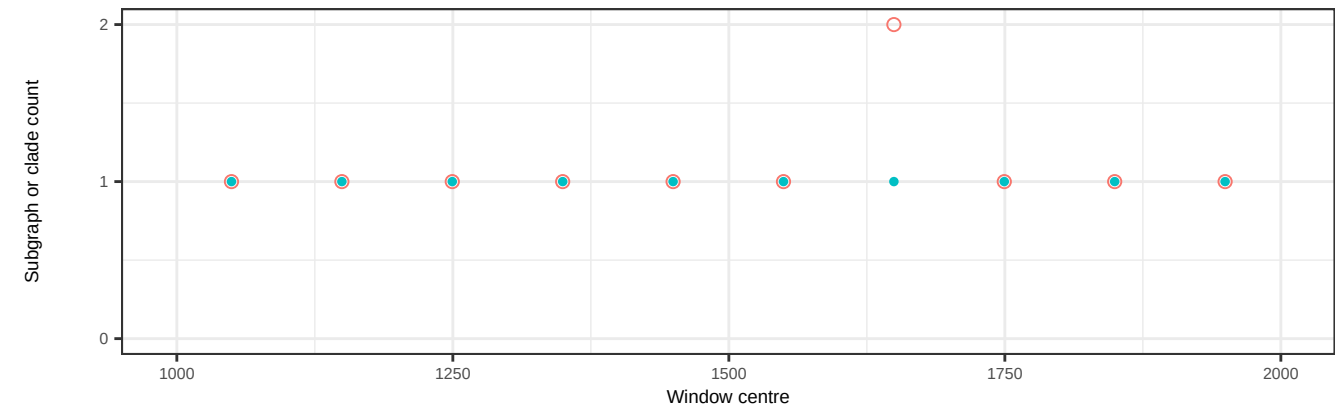

Mean root−to−tip−distance
(read−weighted)
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

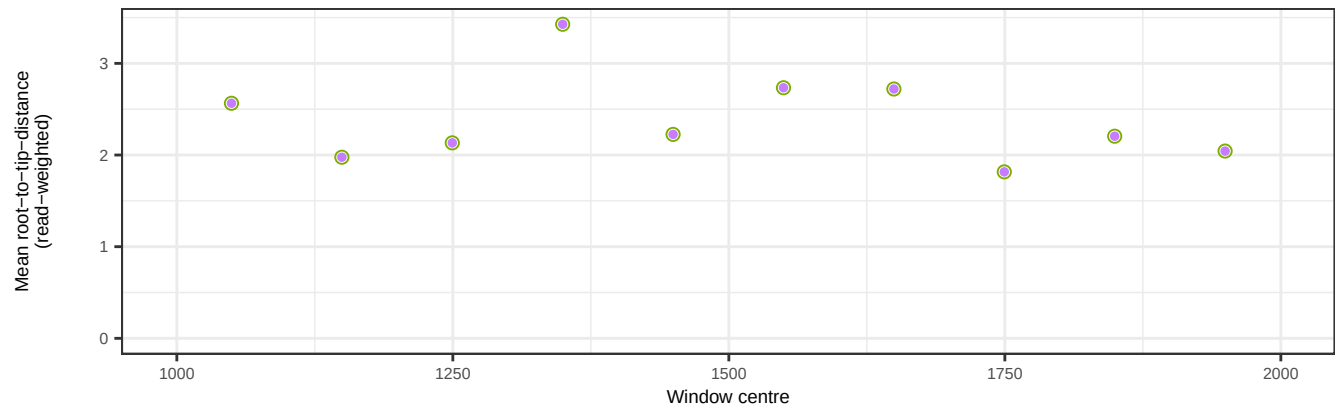

Mean pairwise patristic distance
10.0
7.5
5.0
2.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

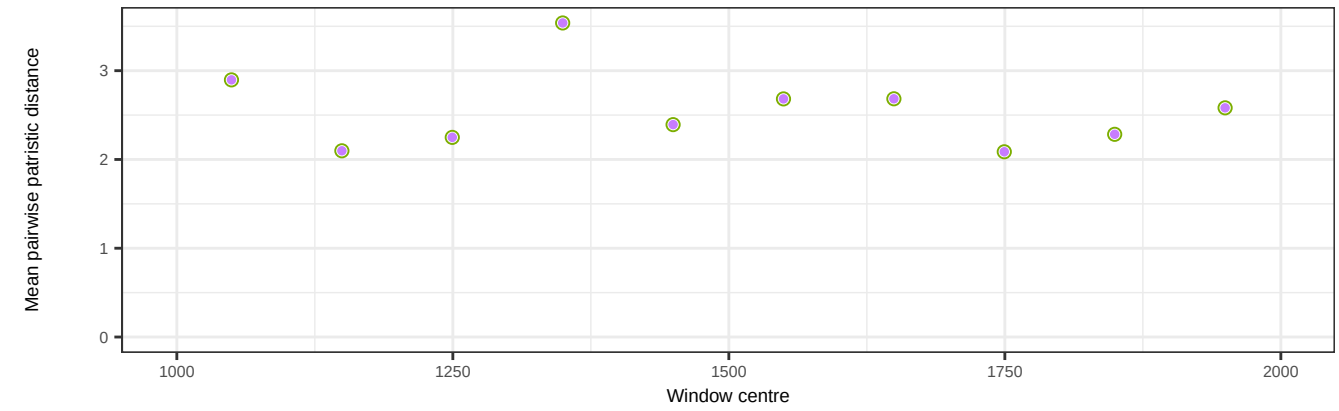

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

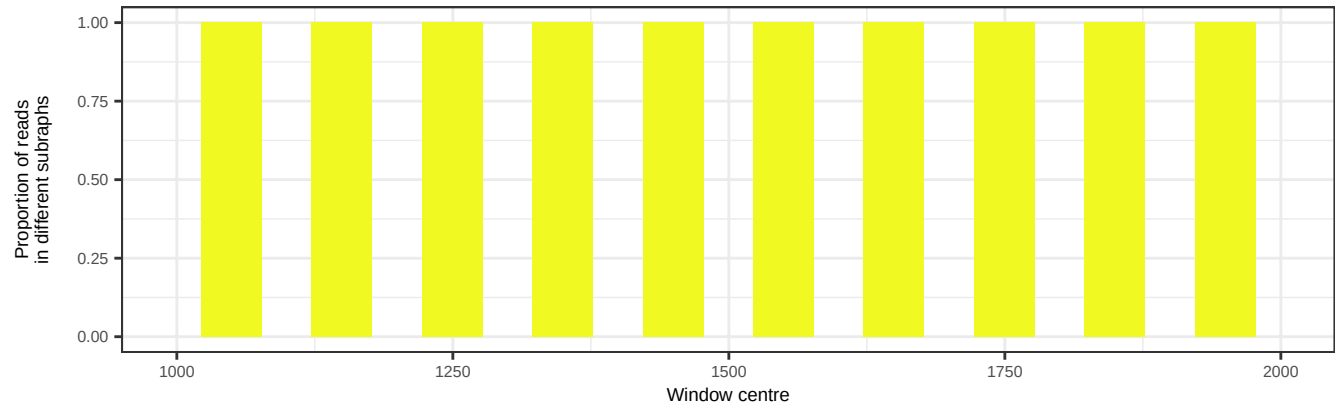
902

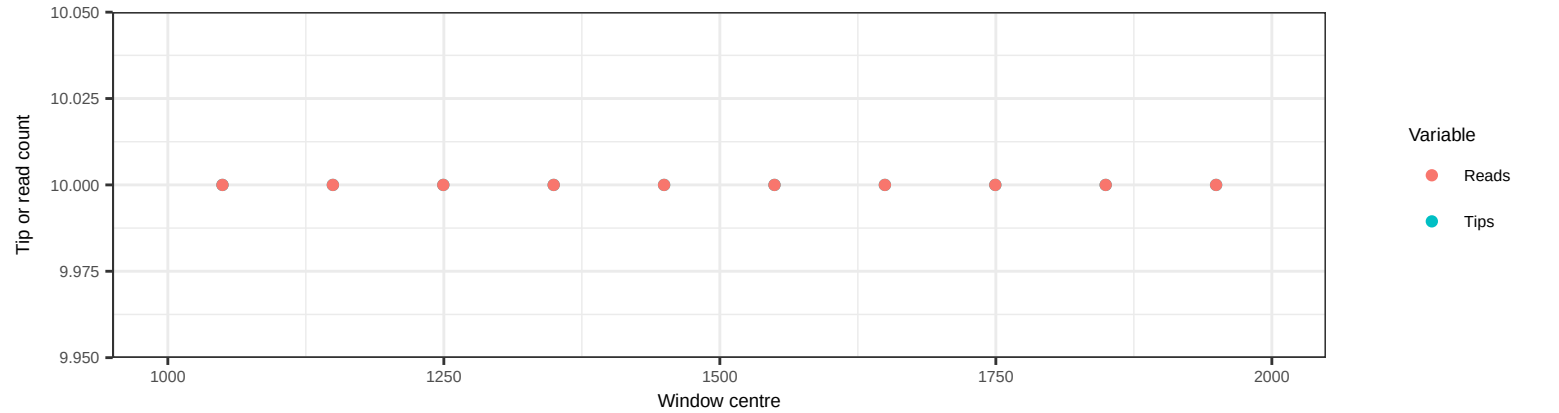

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

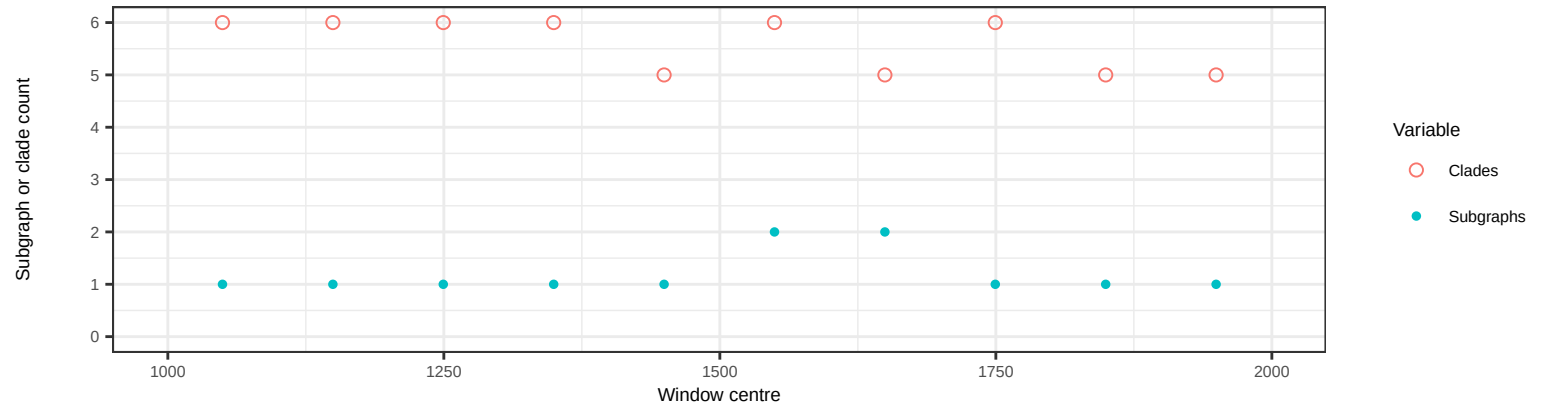

Subgraph or clade count
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

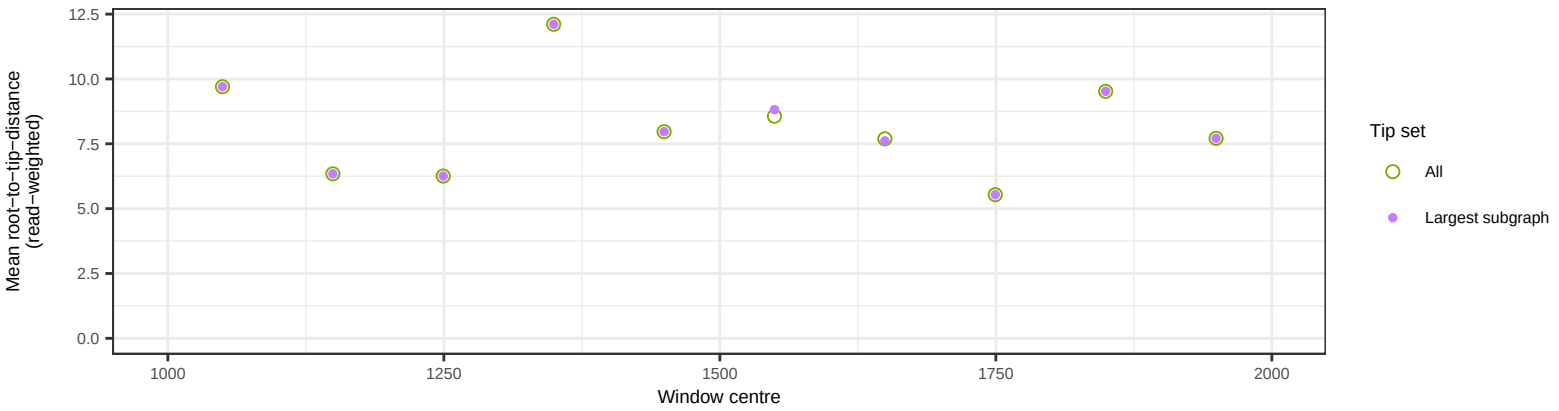

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

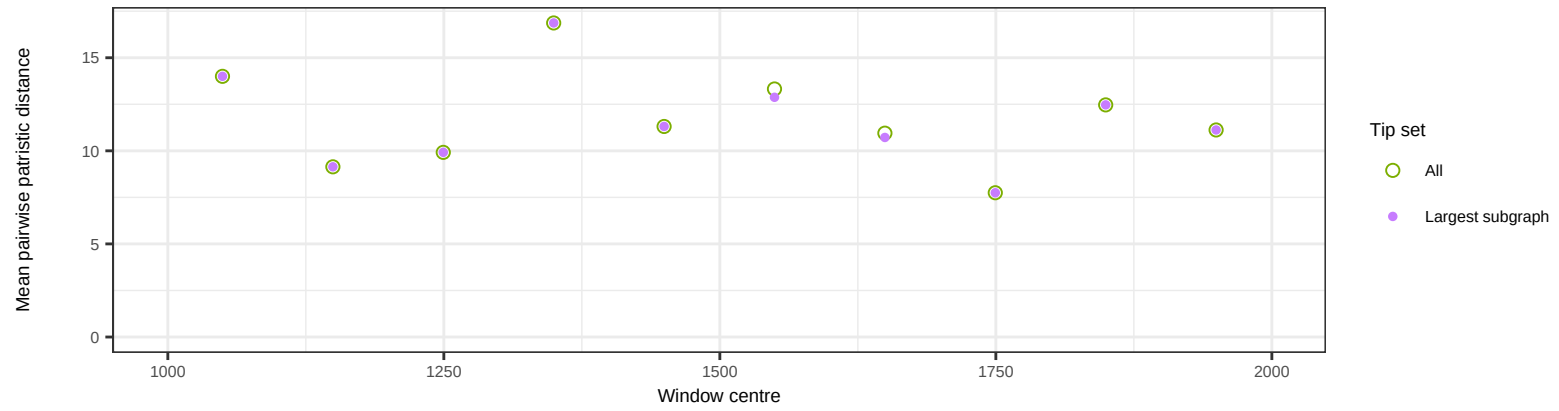

Mean pairwise patristic distance
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

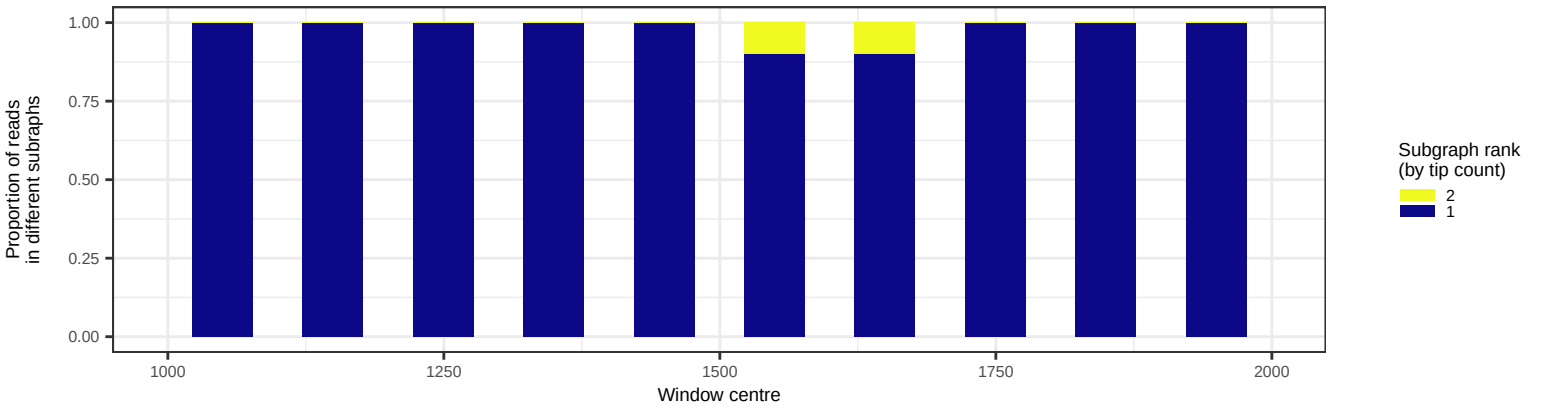

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

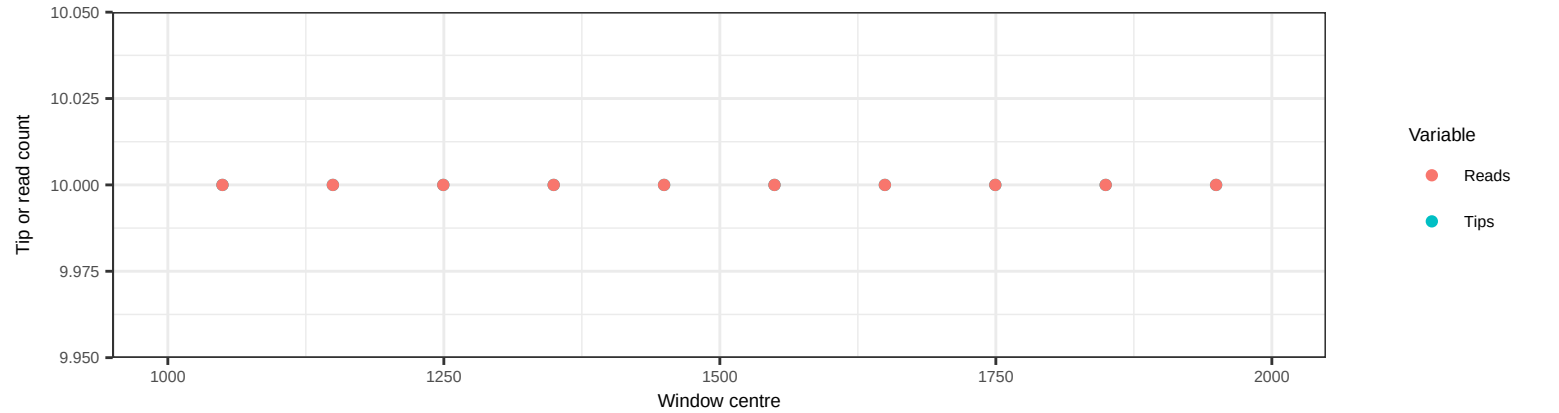

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

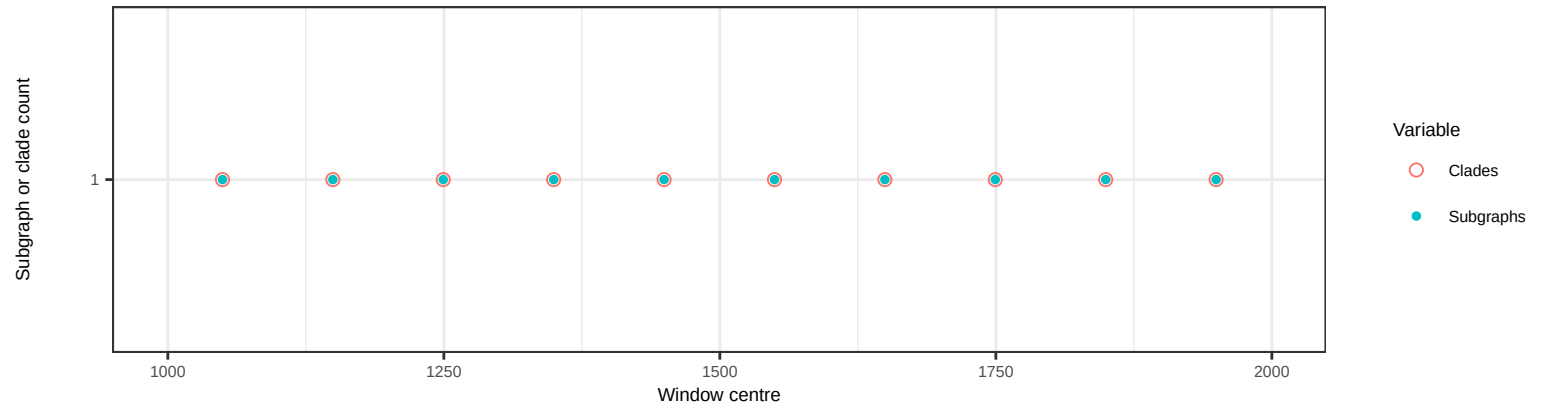

Subgraph or clade count
6
5
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

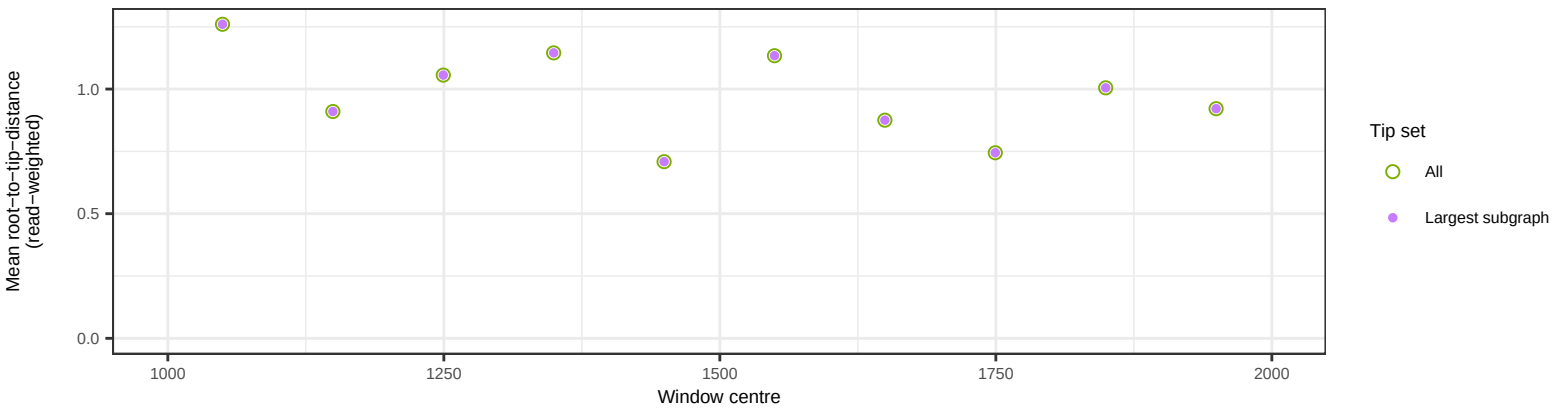

Mean root−to−tip−distance (read−weighted)
12.5
10.0
7.5
5.0
2.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

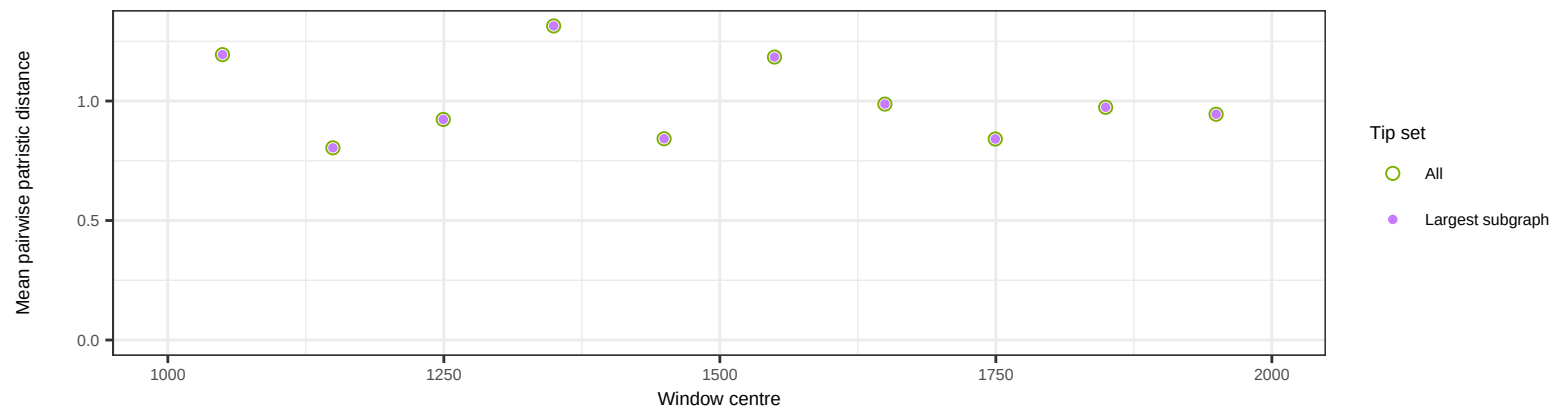

Mean pairwise patristic distance
15
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

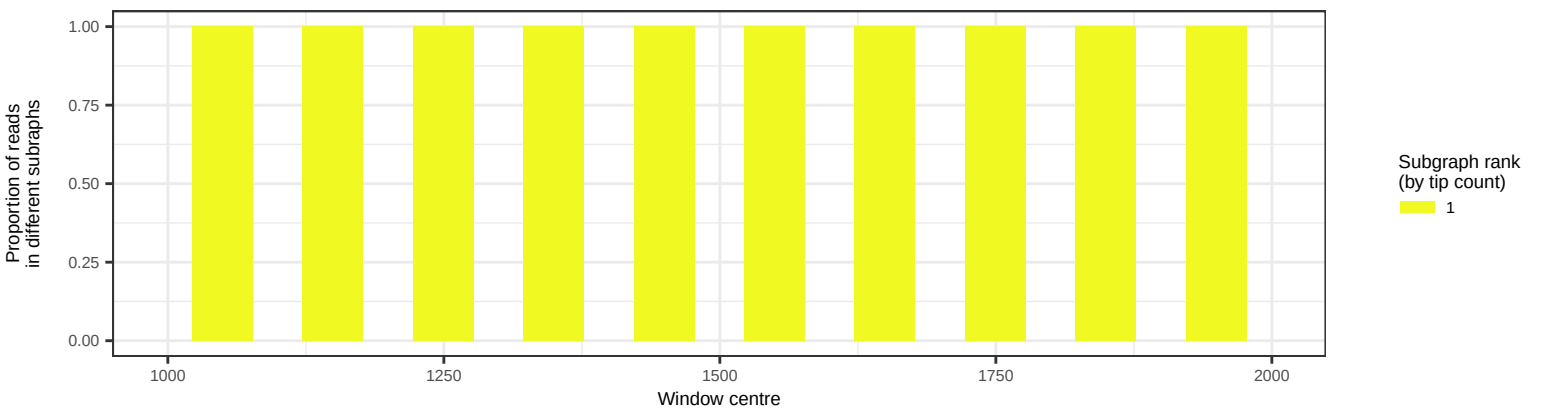

Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank (by tip count)
2
1


Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips


Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs


Mean root−to−tip−distance
(read−weighted)
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph


Mean pairwise patristic distance
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph


Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1