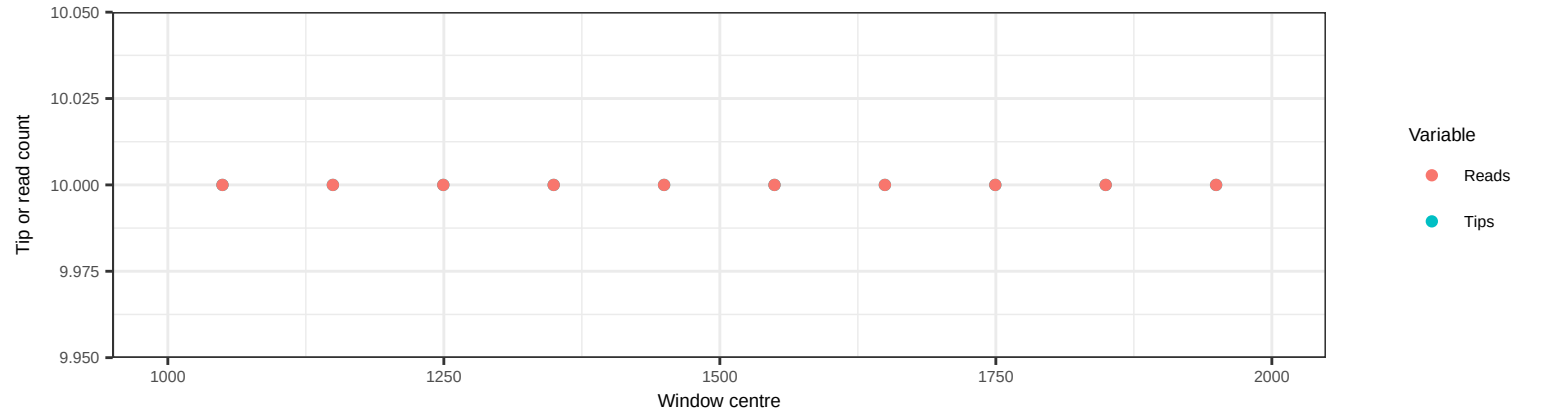
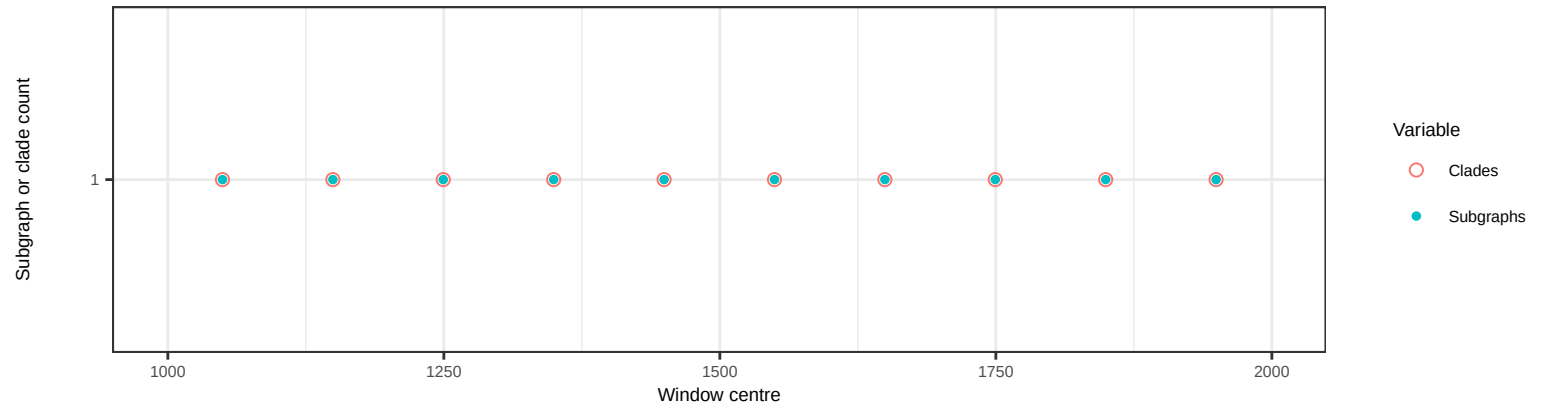
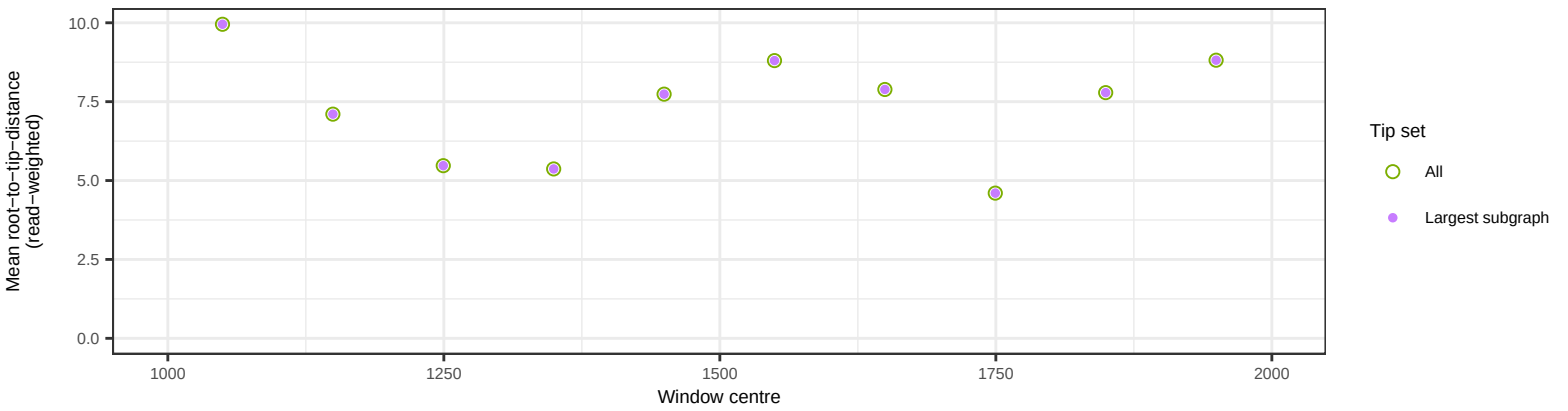
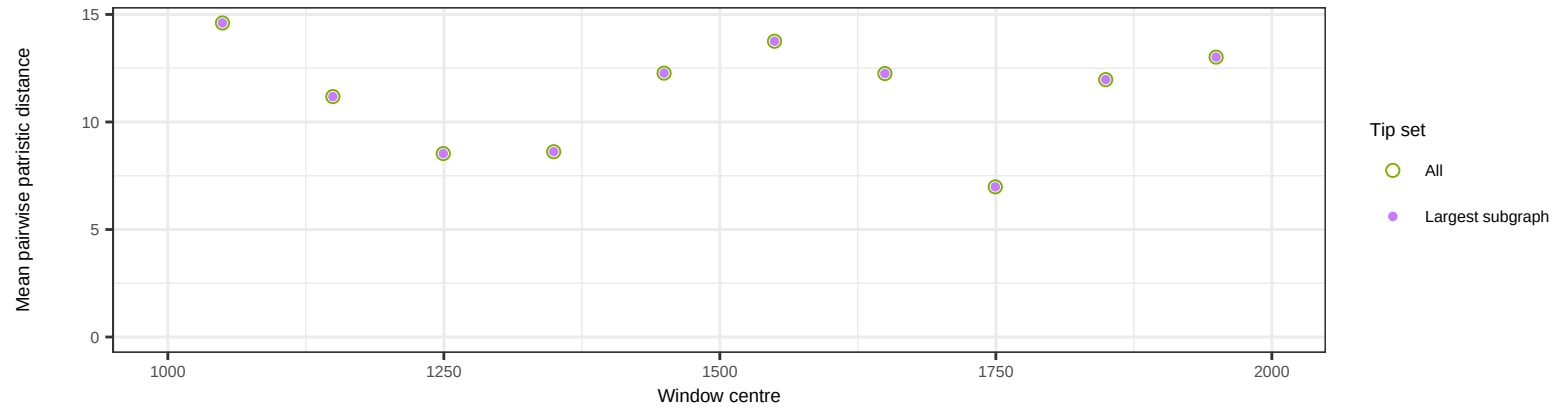
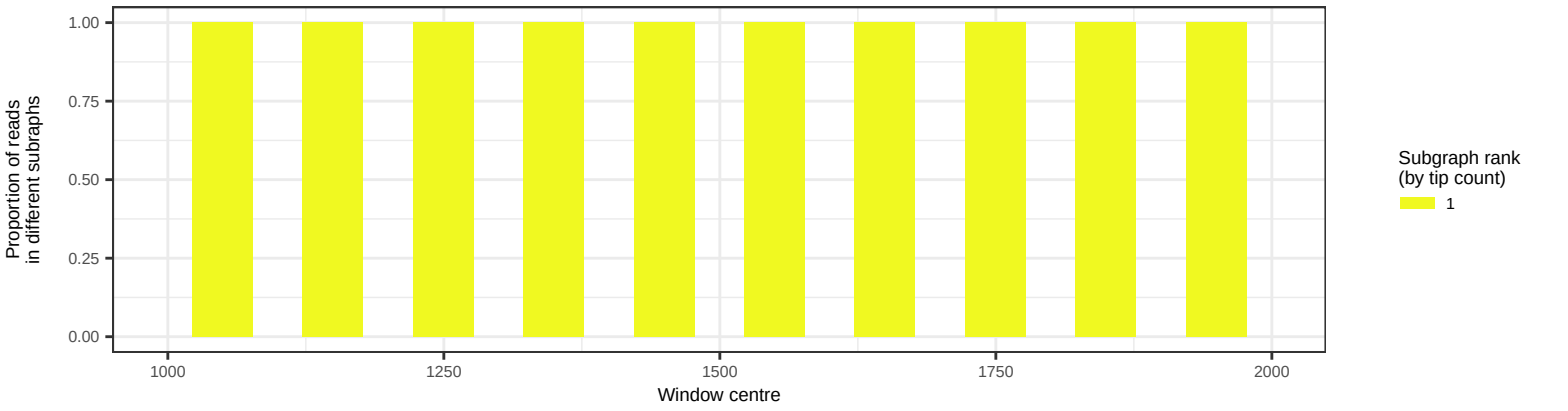
100

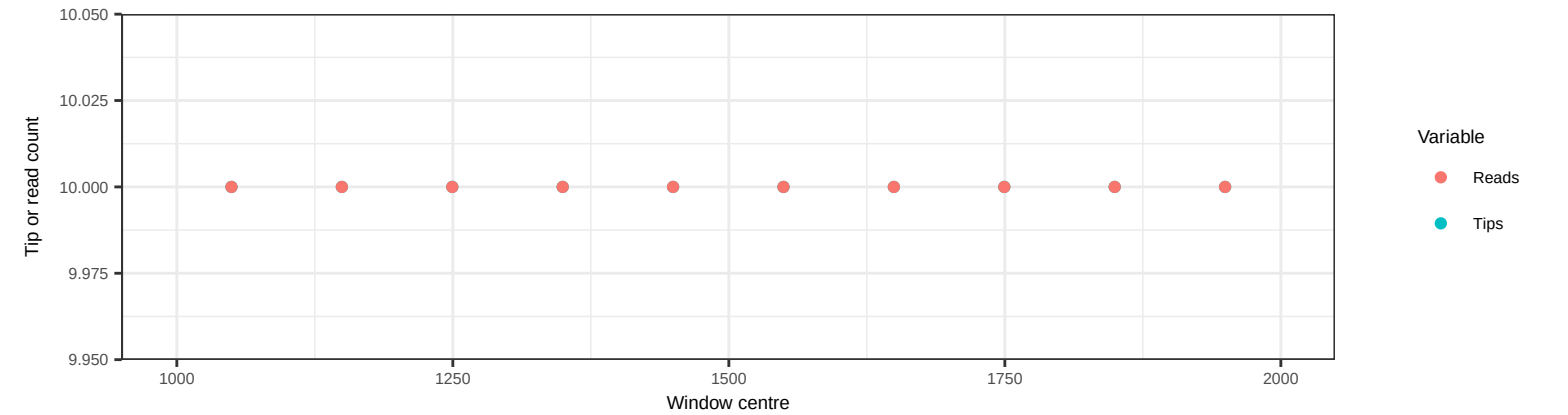

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

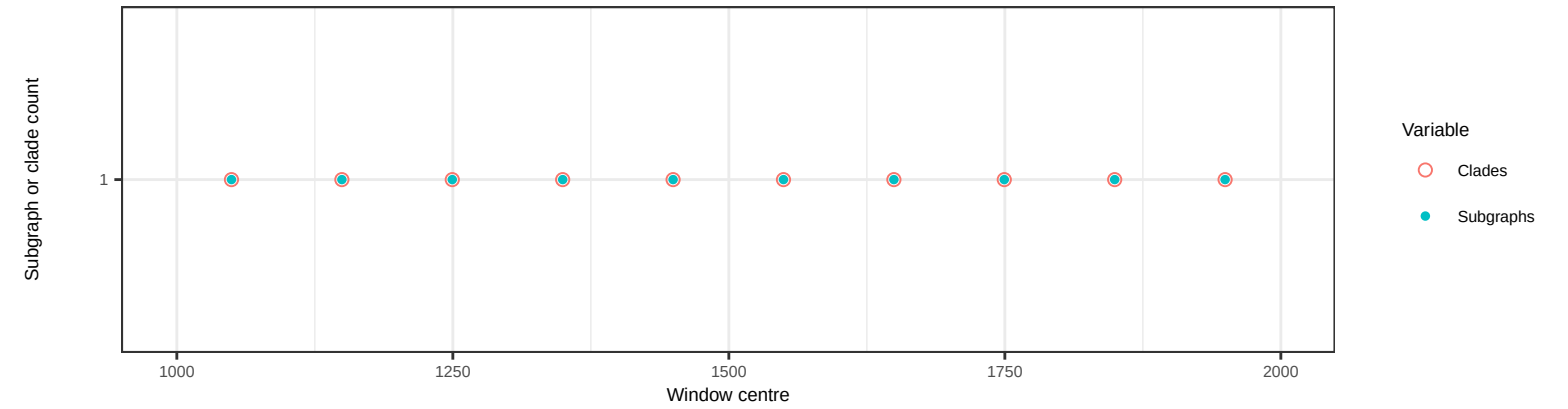

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

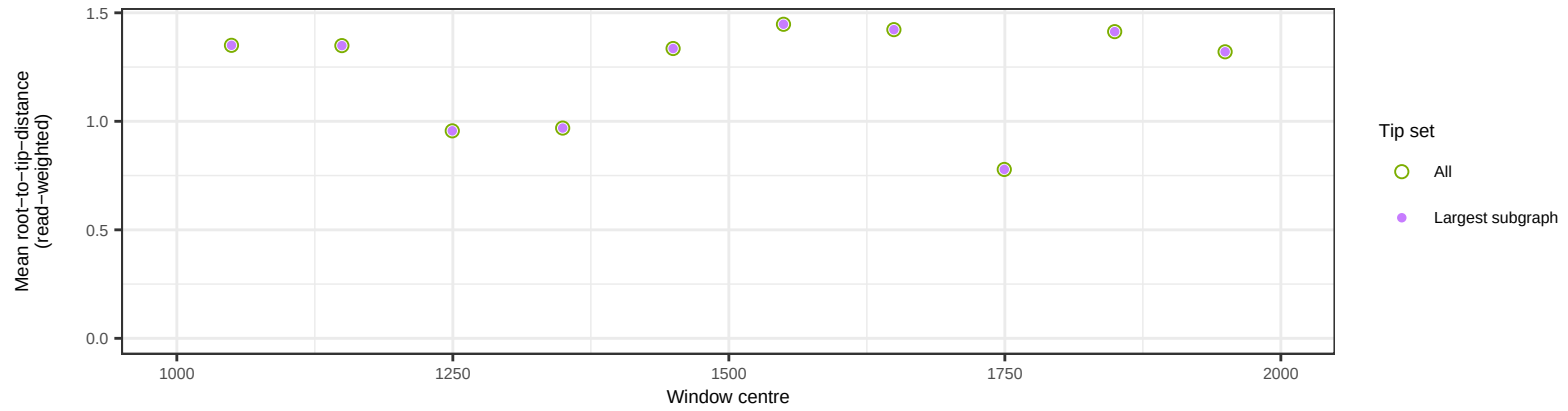

Mean root−to−tip−distance
(read−weighted)
10.0
7.5
5.0
2.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

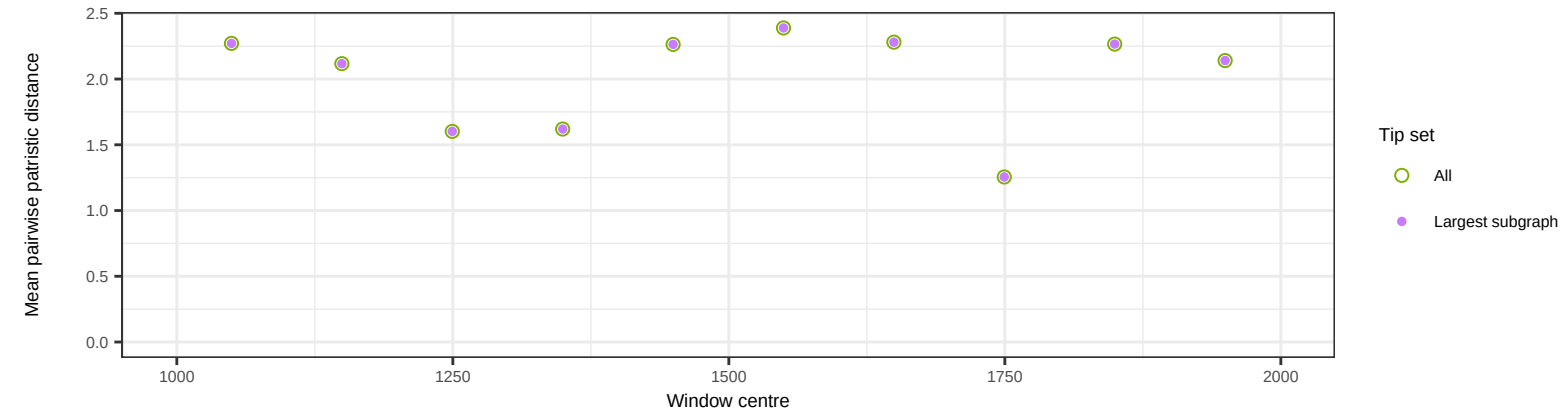

Mean pairwise patristic distance
15
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

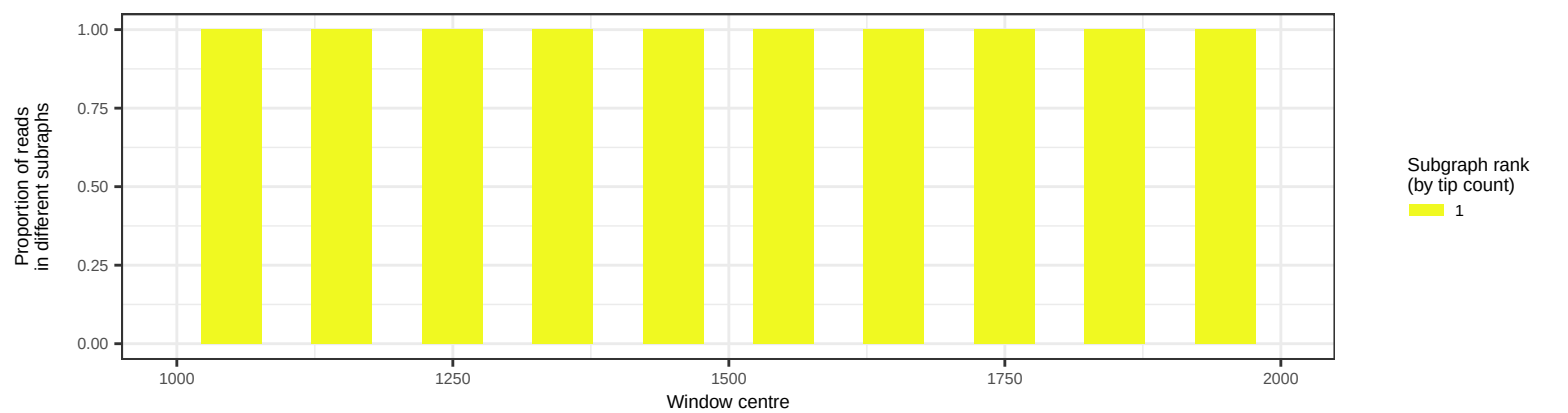

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

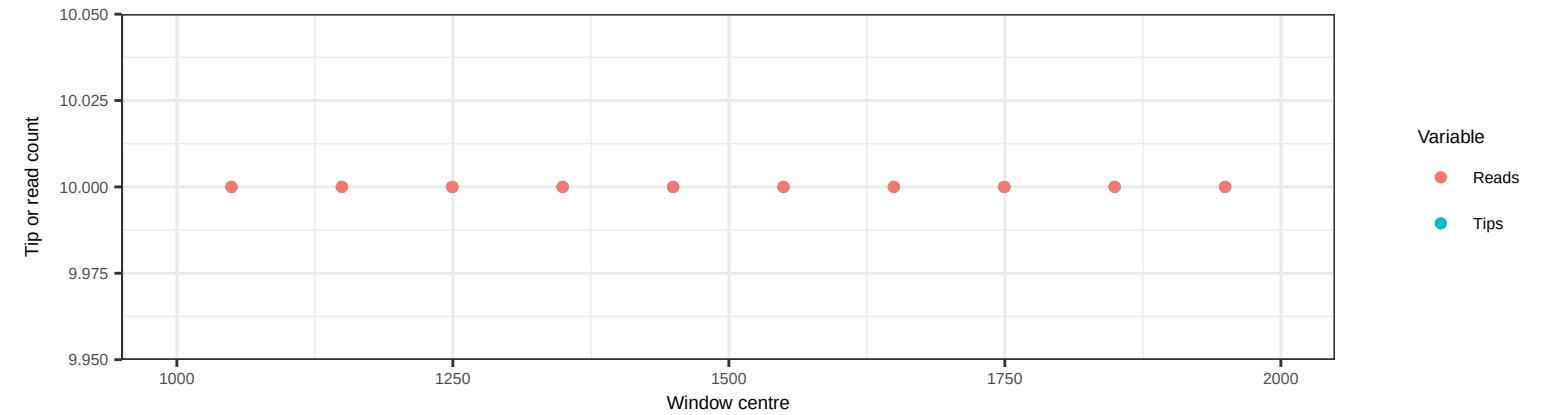

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

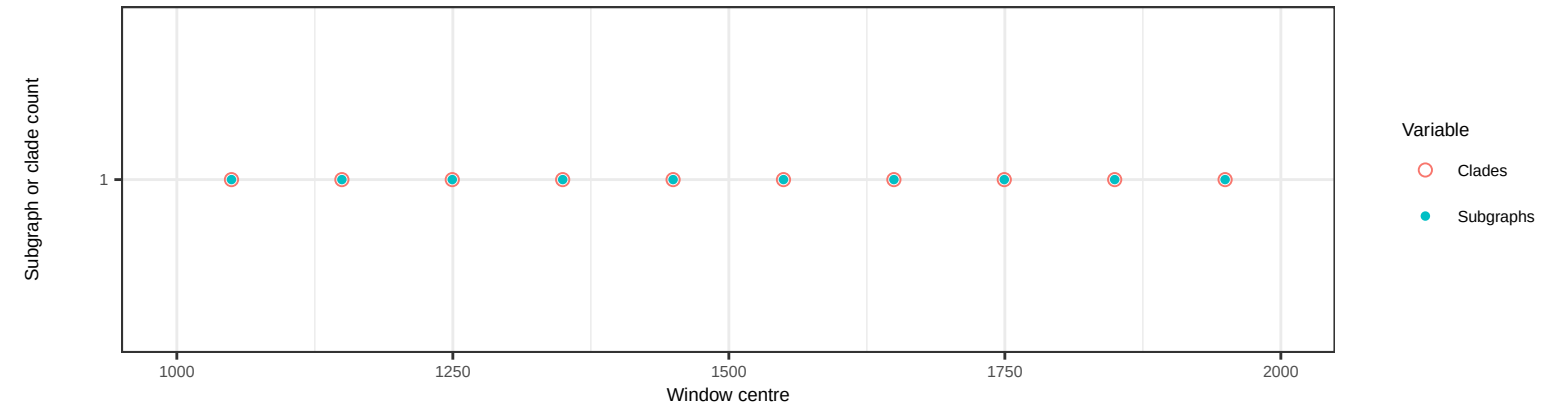

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

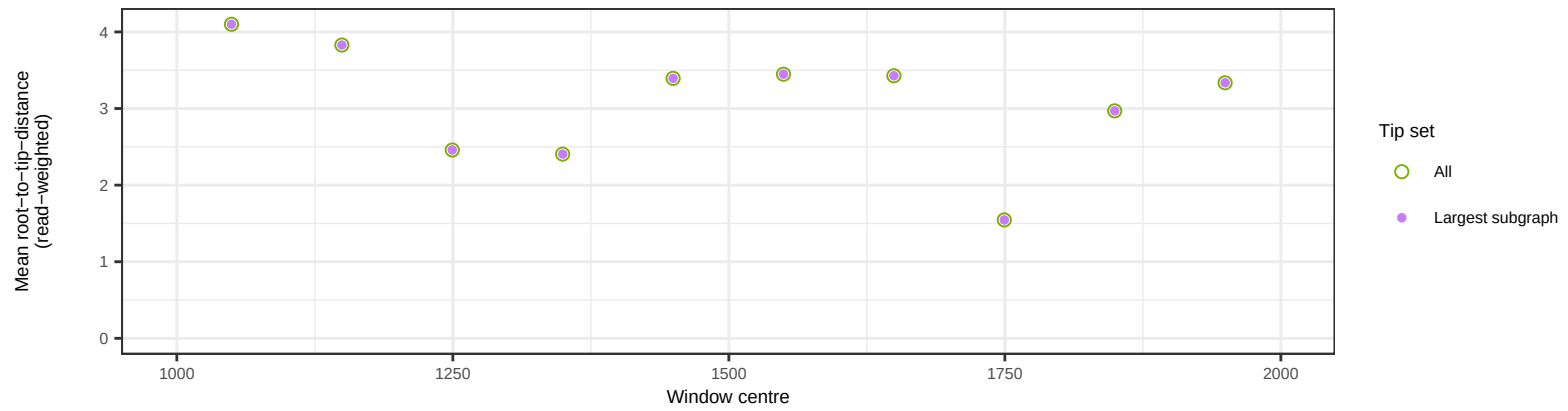

Mean root−to−tip−distance
(read−weighted)
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

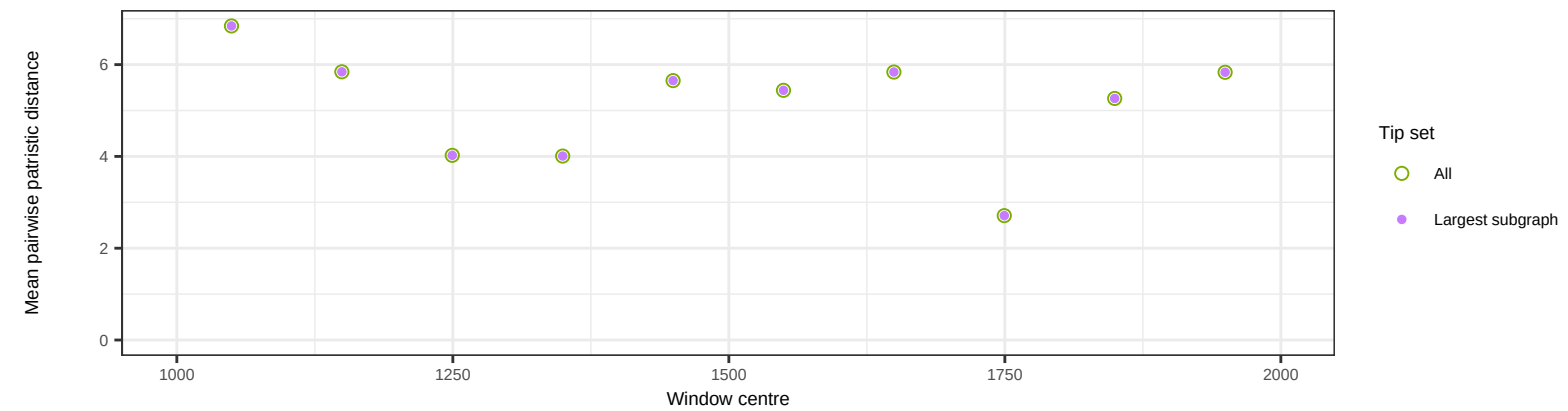

Mean pairwise patristic distance
2.5
2.0
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

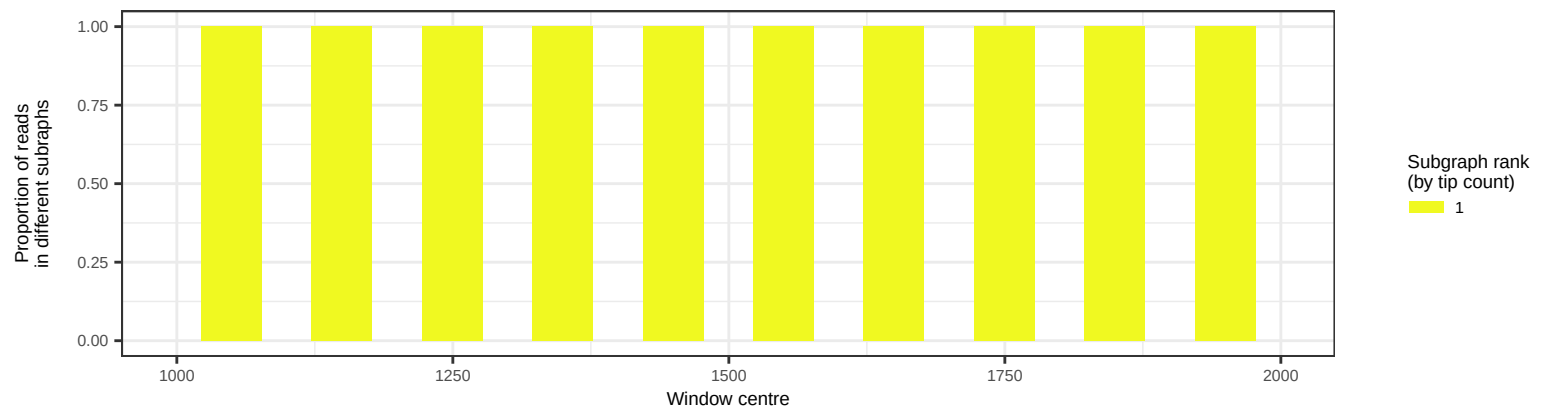

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

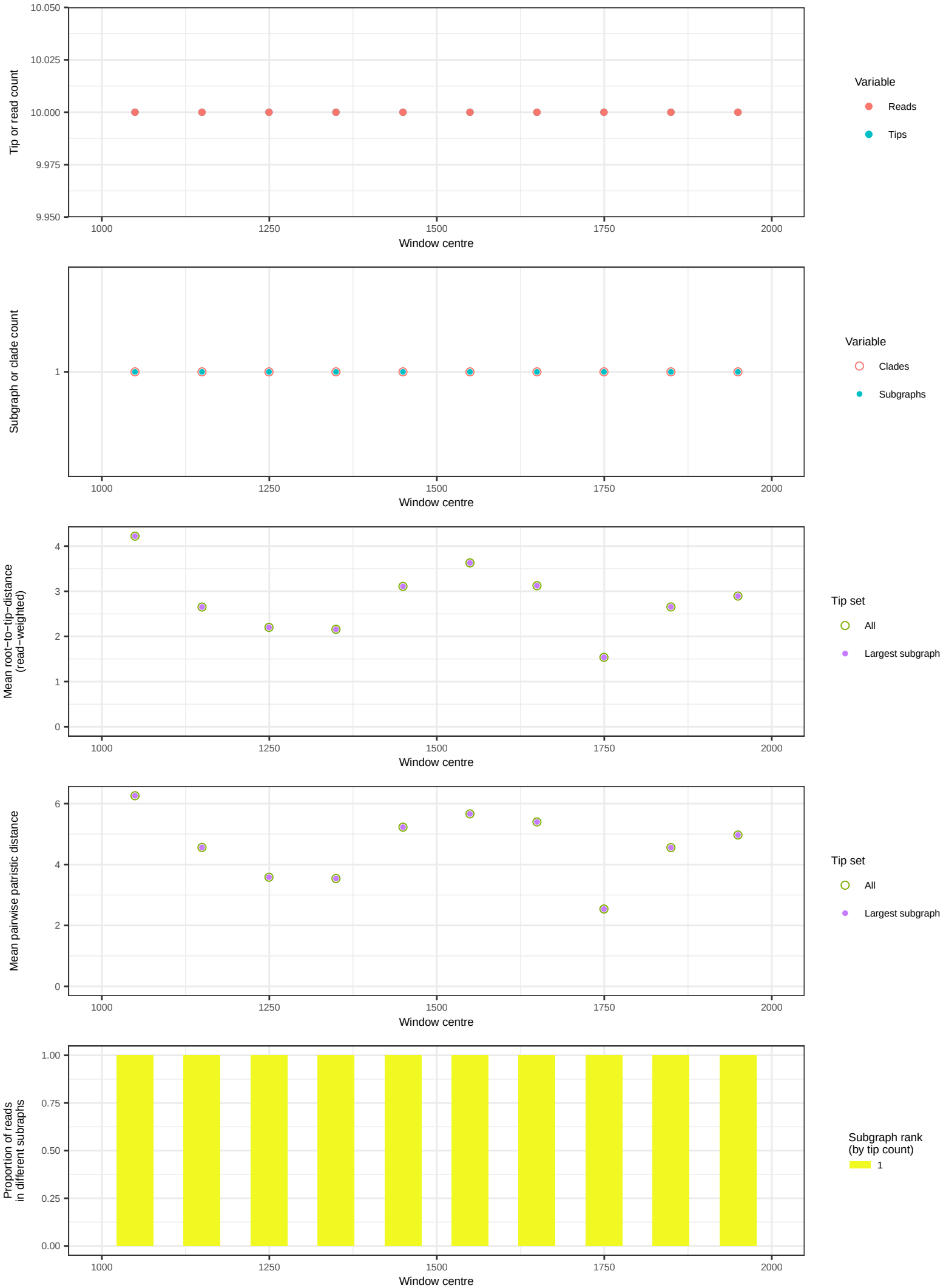

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

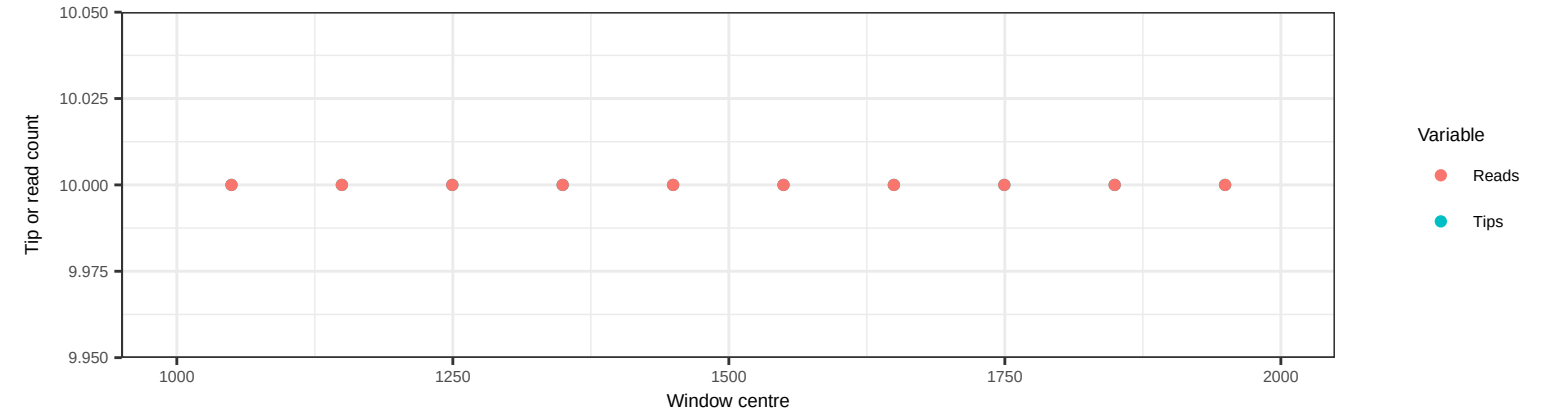

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

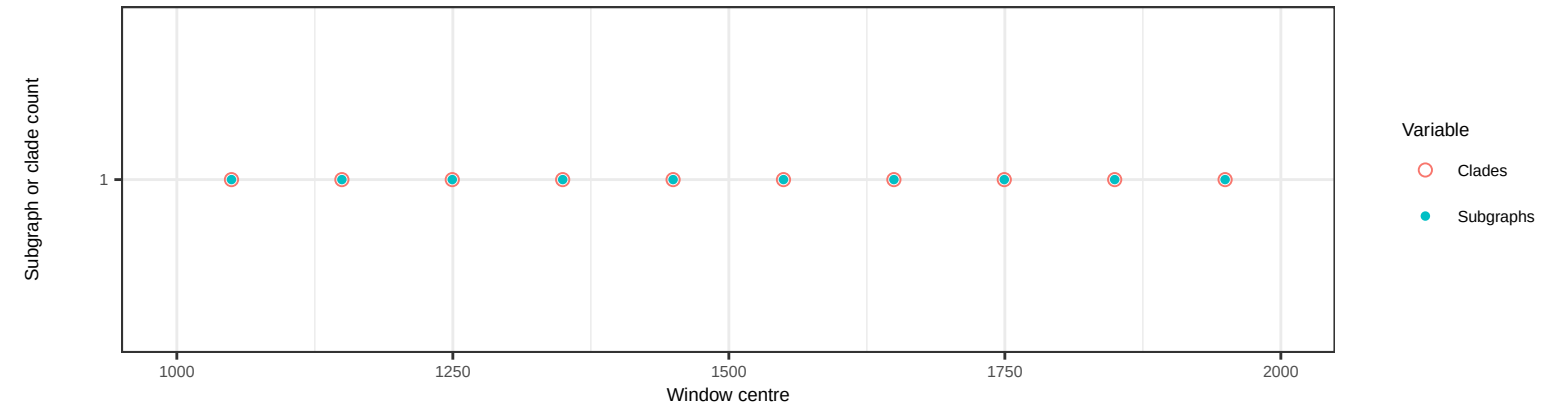

Mean root−to−tip−distance
(read−weighted)
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

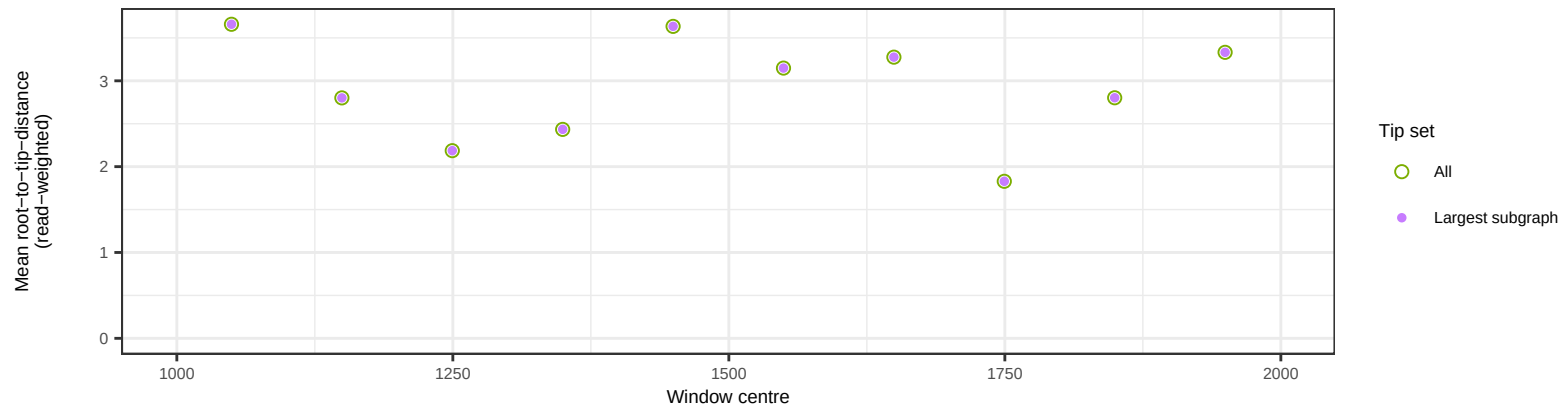

Mean pairwise patristic distance
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

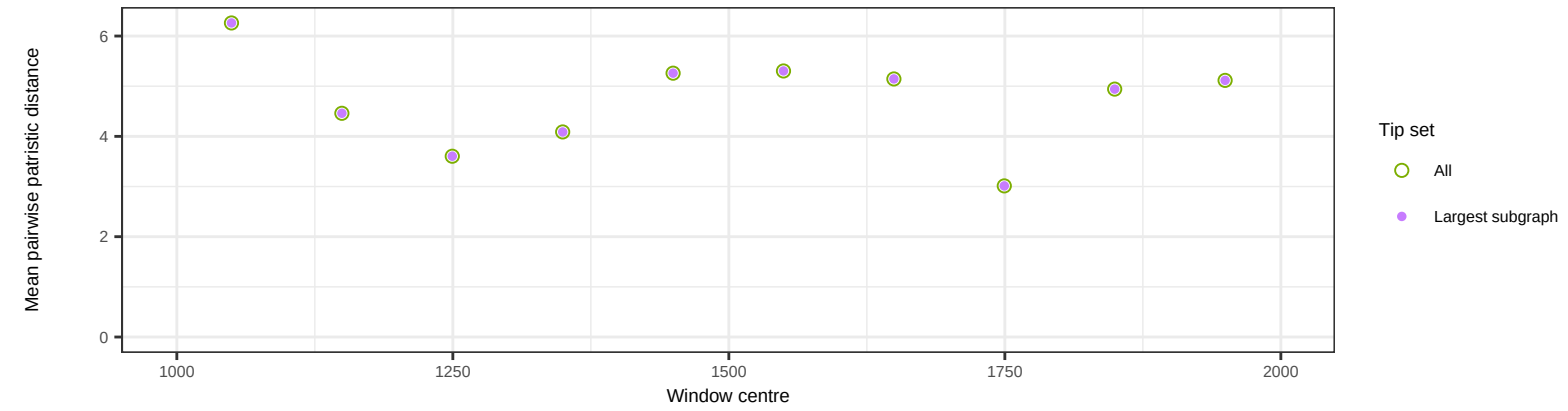

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

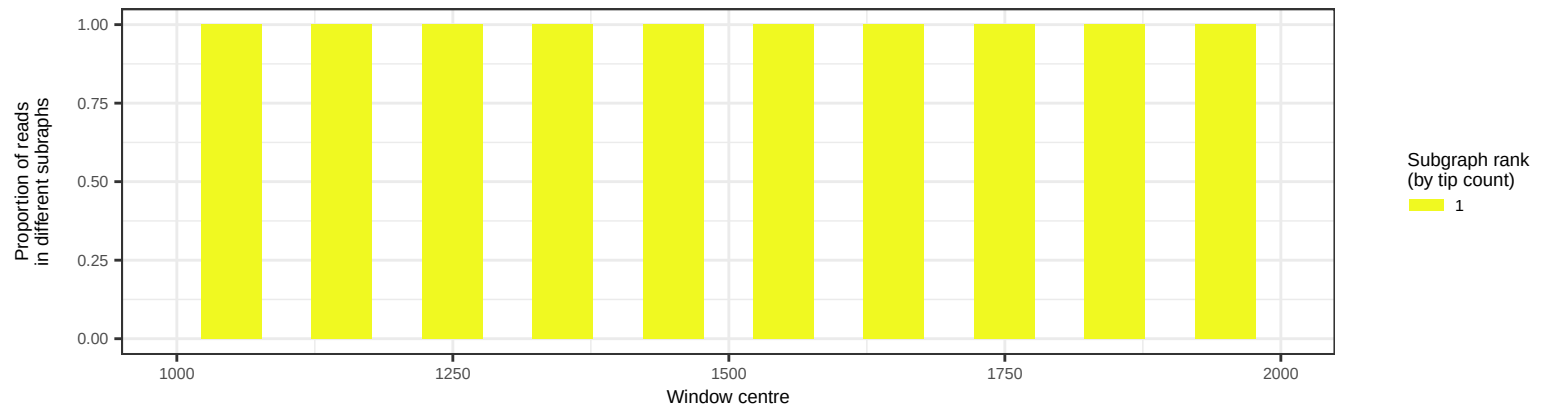

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
0
1
2
3
4
Tip set
All
Largest subgraph
Mean pairwise patristic distance
0
2
4
6
Proportion of reads in different subraphs
0.00
0.25
0.50
0.75
1.00
Subgraph rank (by tip count)
1

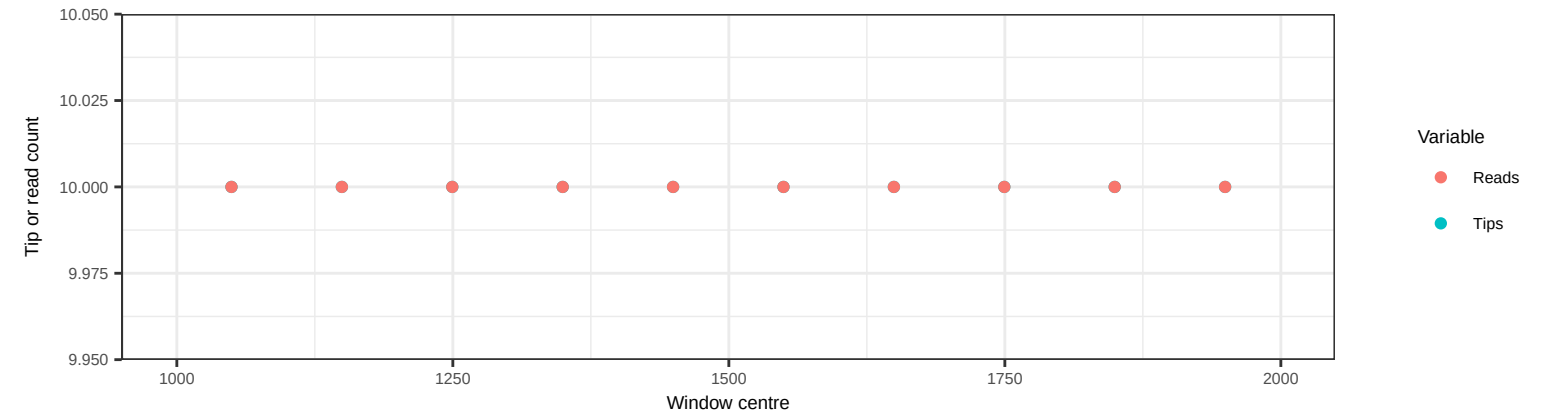

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

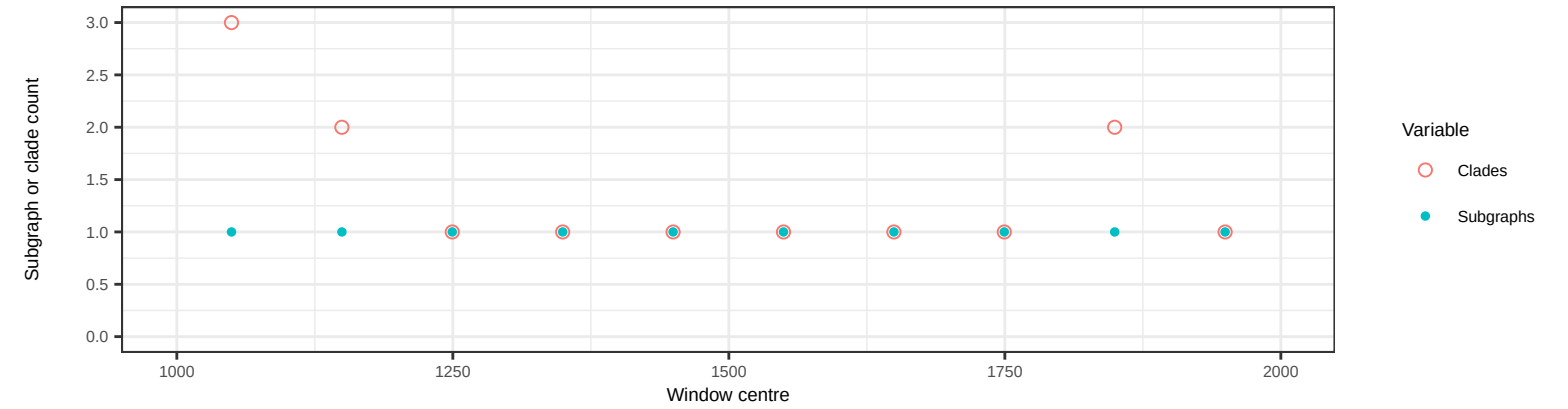

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

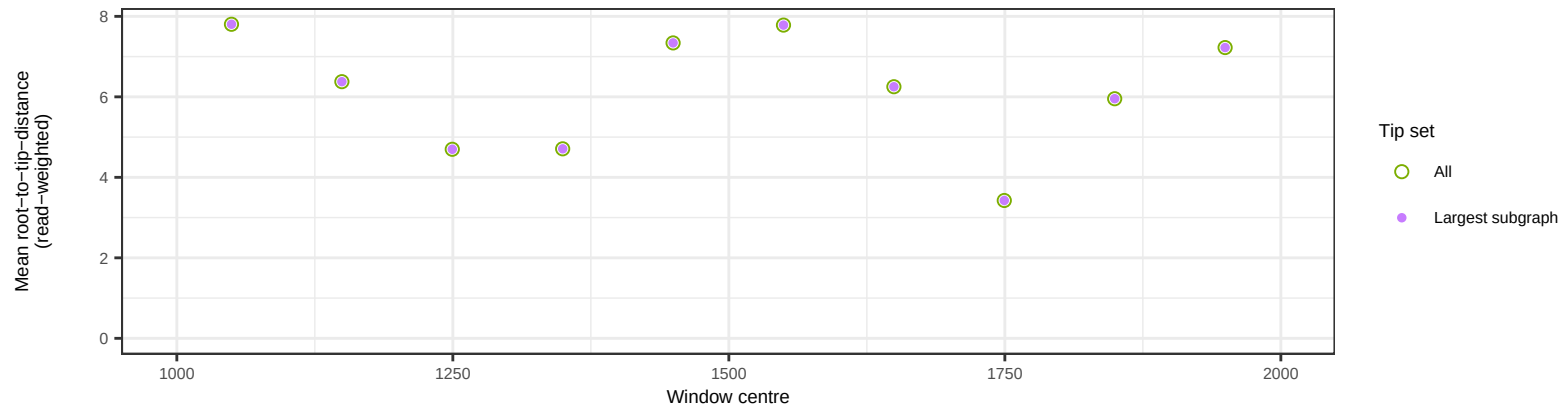

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

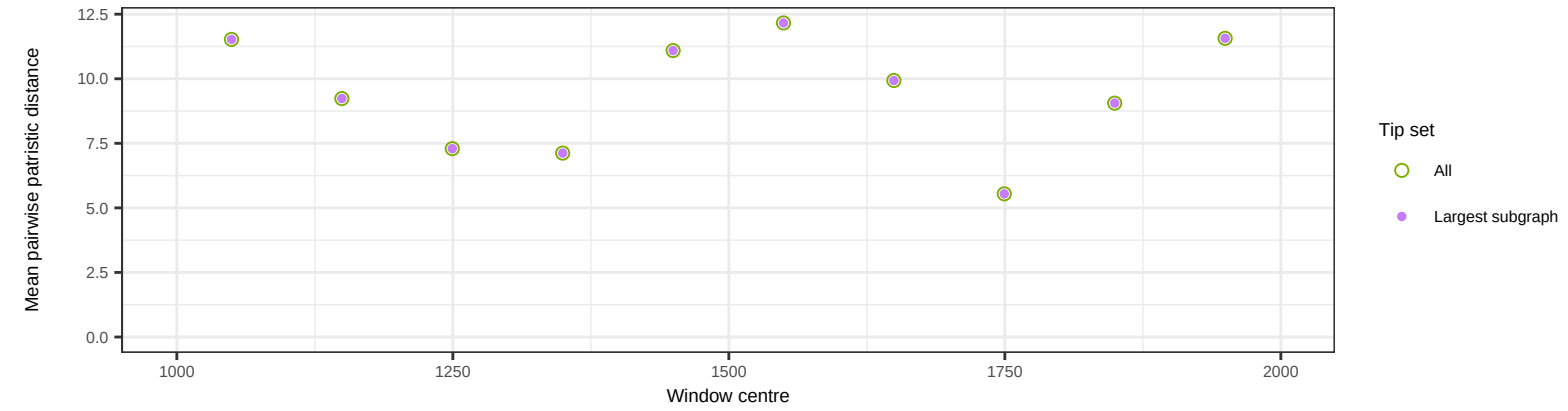

Mean pairwise patristic distance
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

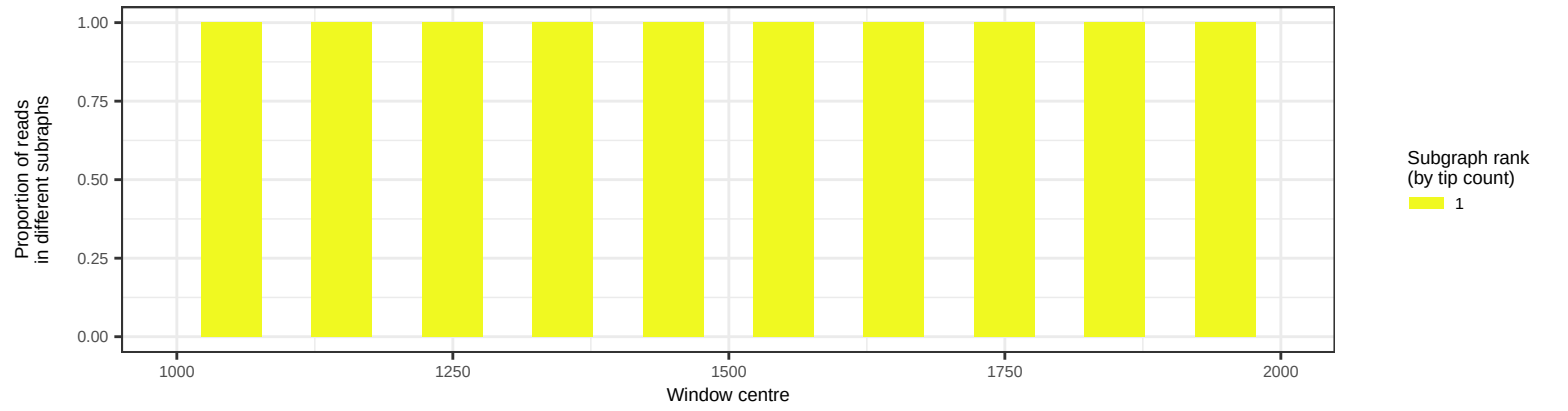

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

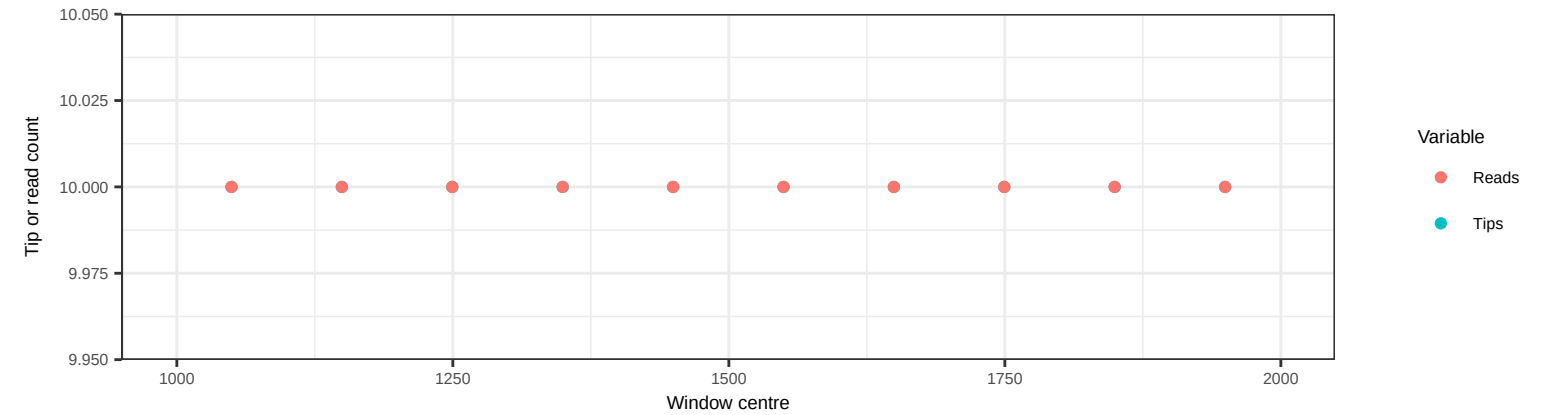

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

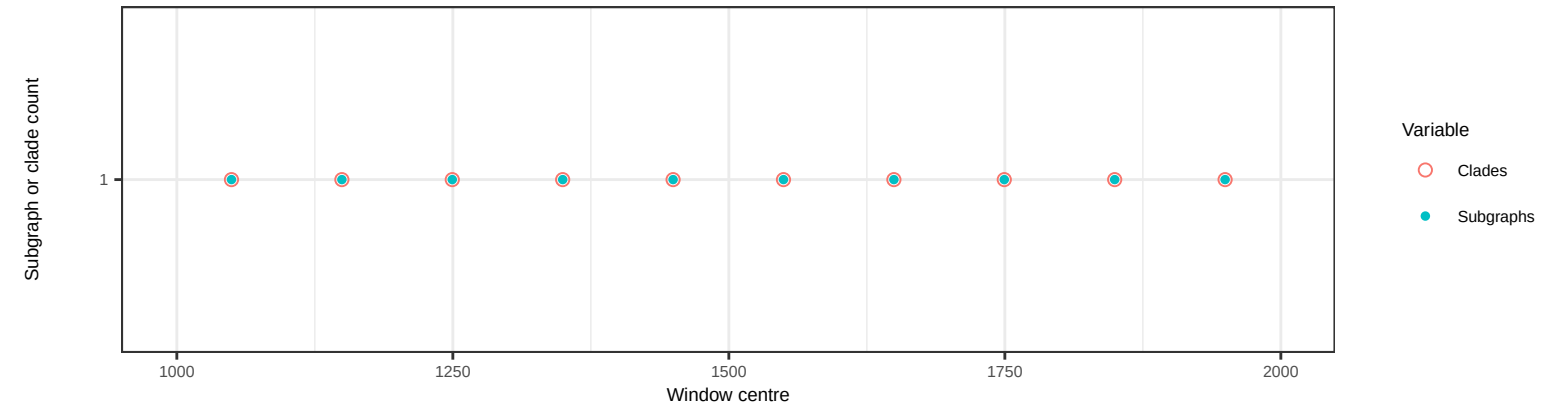

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

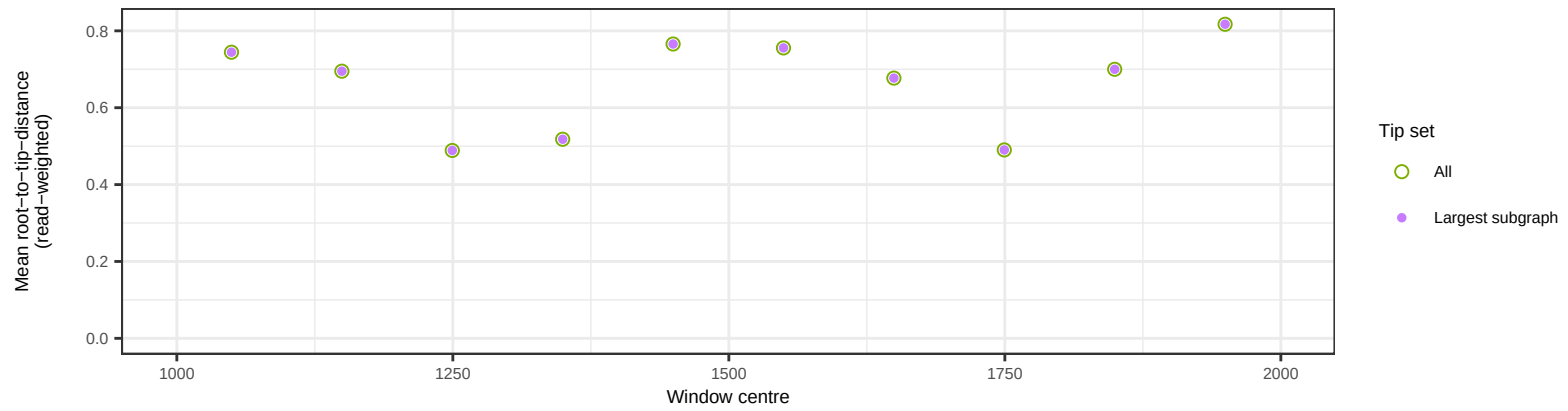

Mean root−to−tip−distance
(read−weighted)
8
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

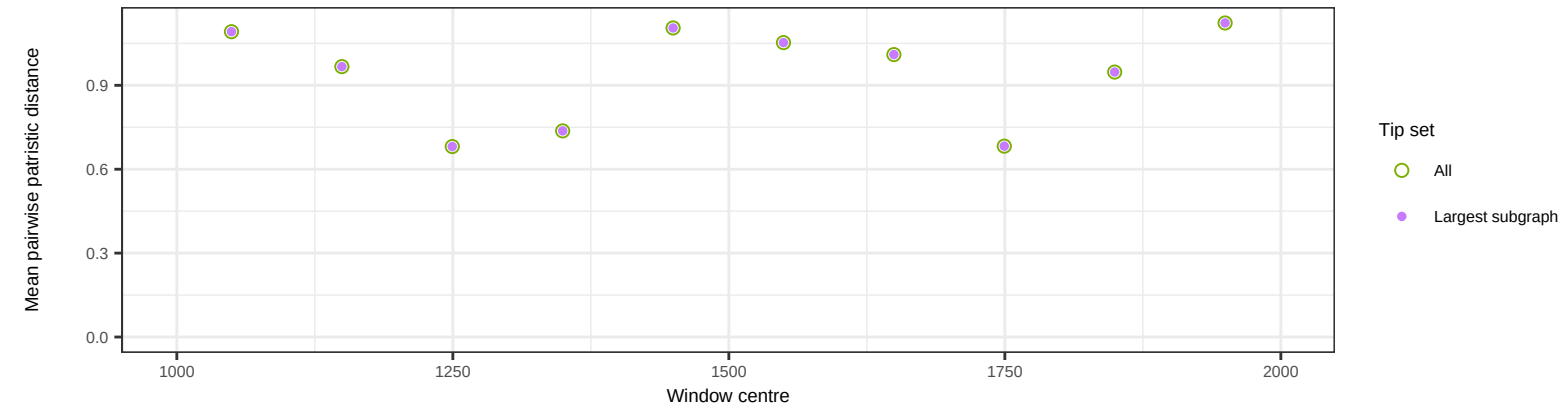

Mean pairwise patristic distance
12.5
10.0
7.5
5.0
2.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

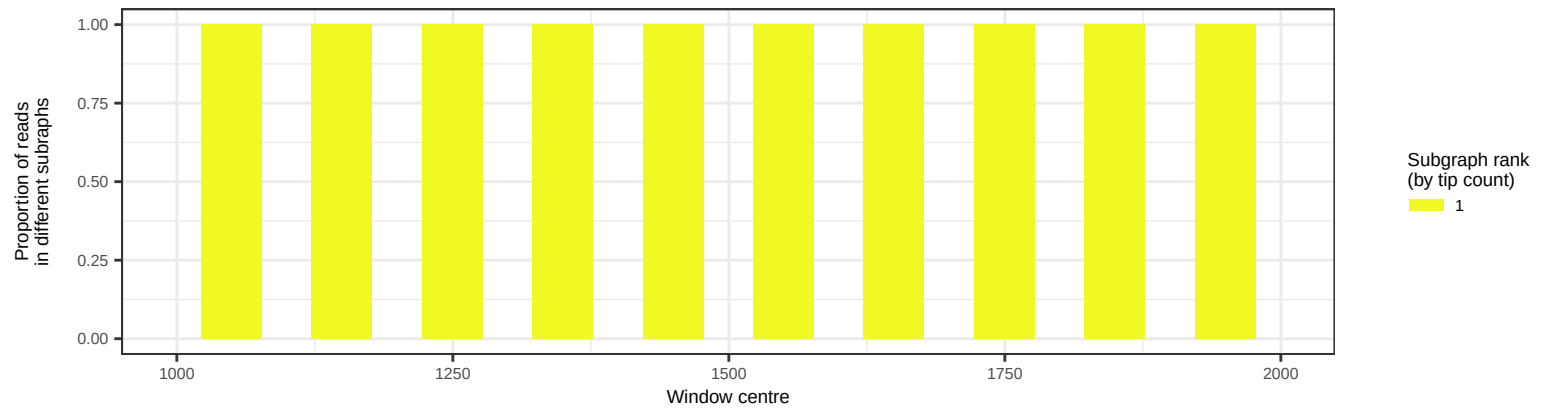

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

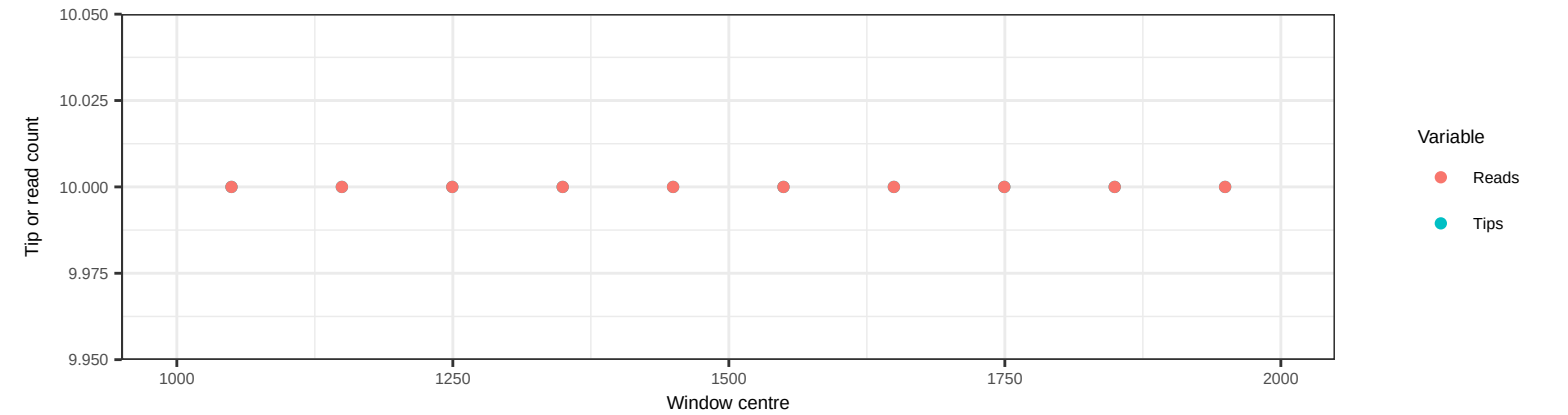

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

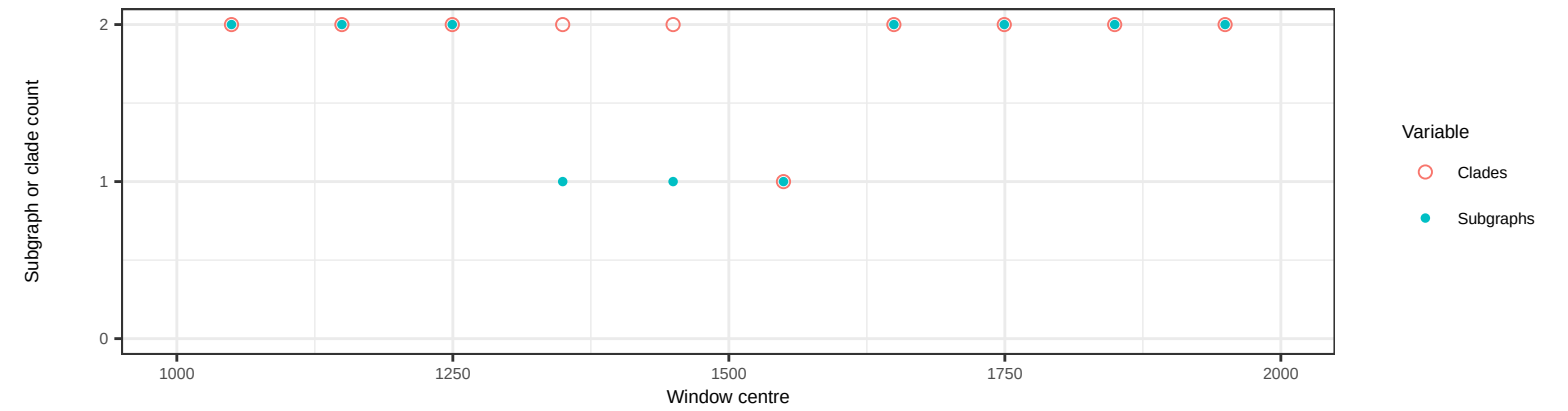

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

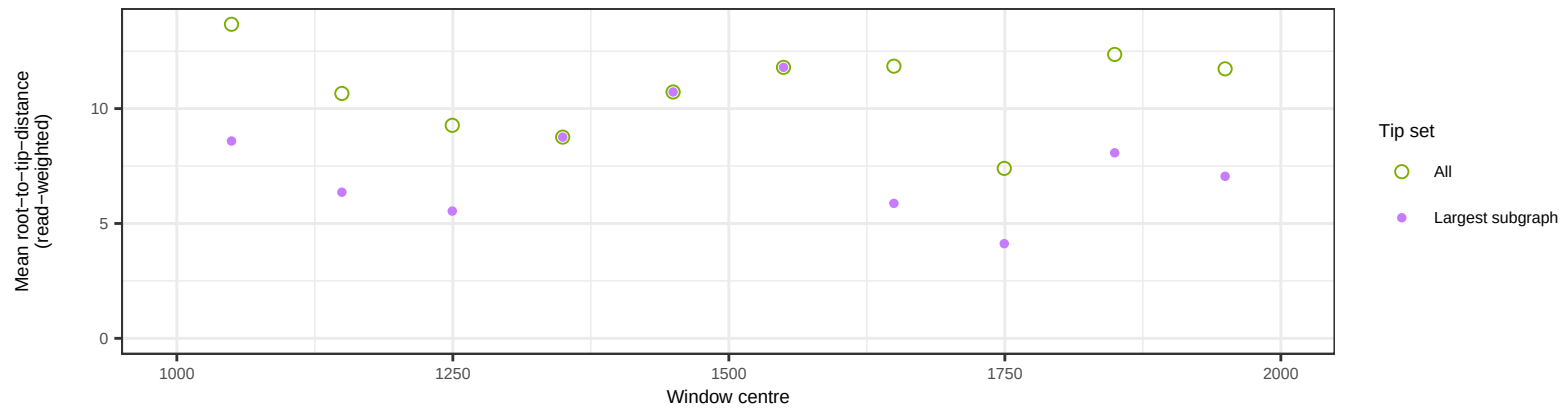

Mean root−to−tip−distance
(read−weighted)
0.8
0.6
0.4
0.2
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

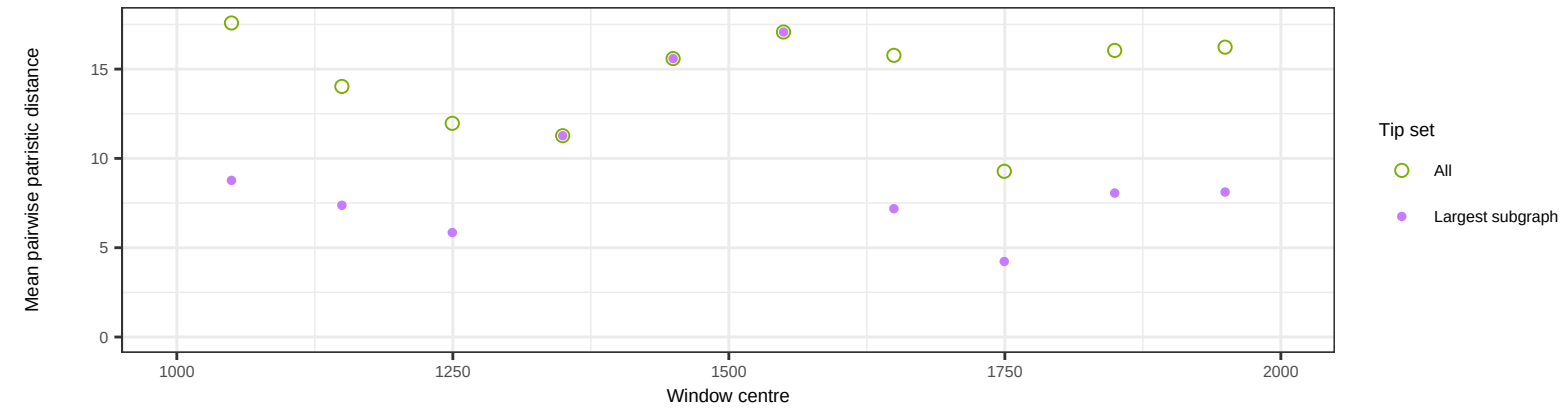

Mean pairwise patristic distance
0.9
0.6
0.3
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

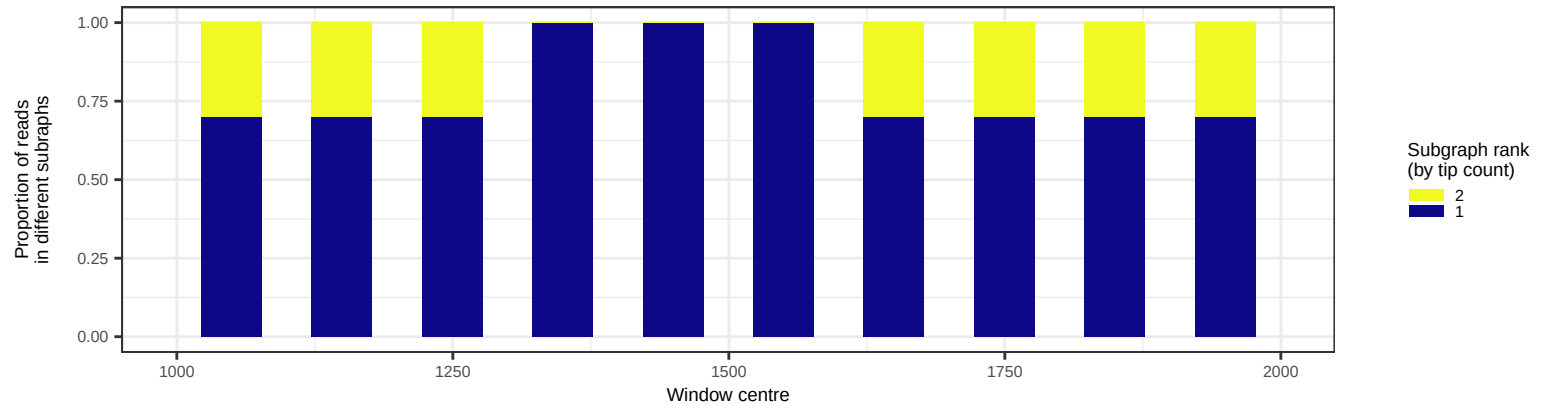

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

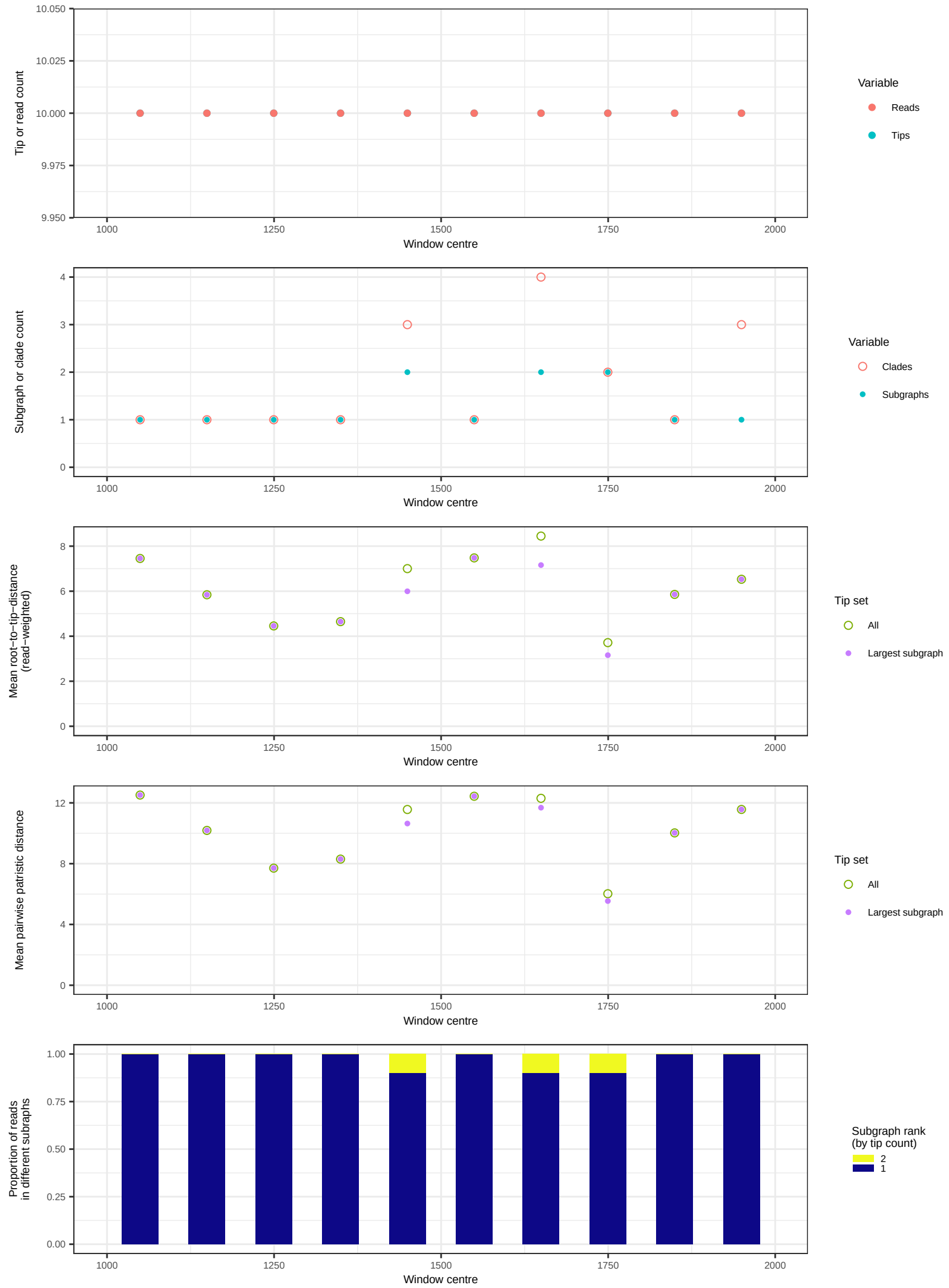

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

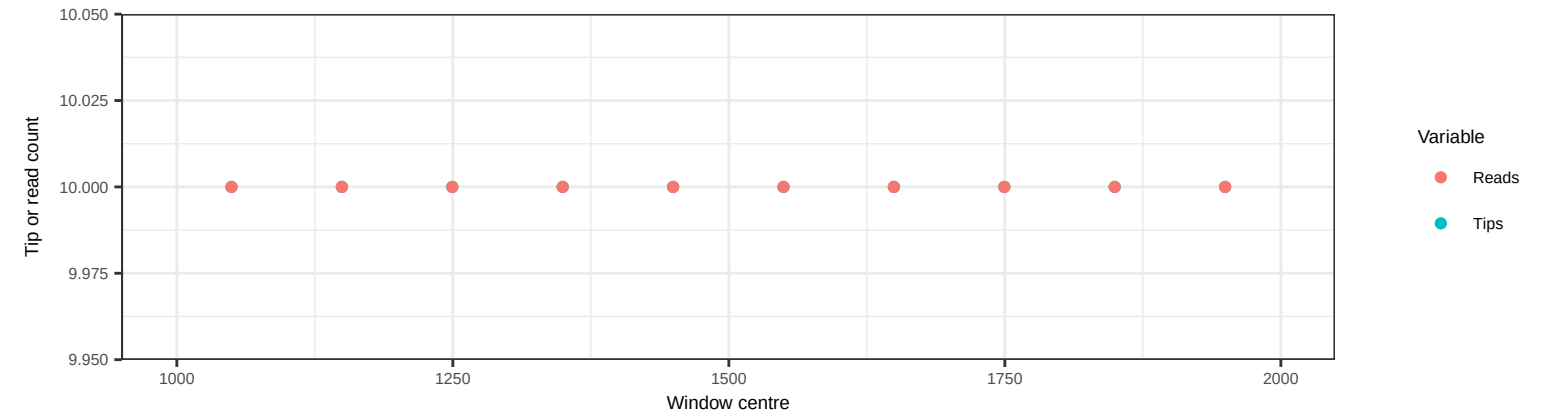

Subgraph or clade count
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

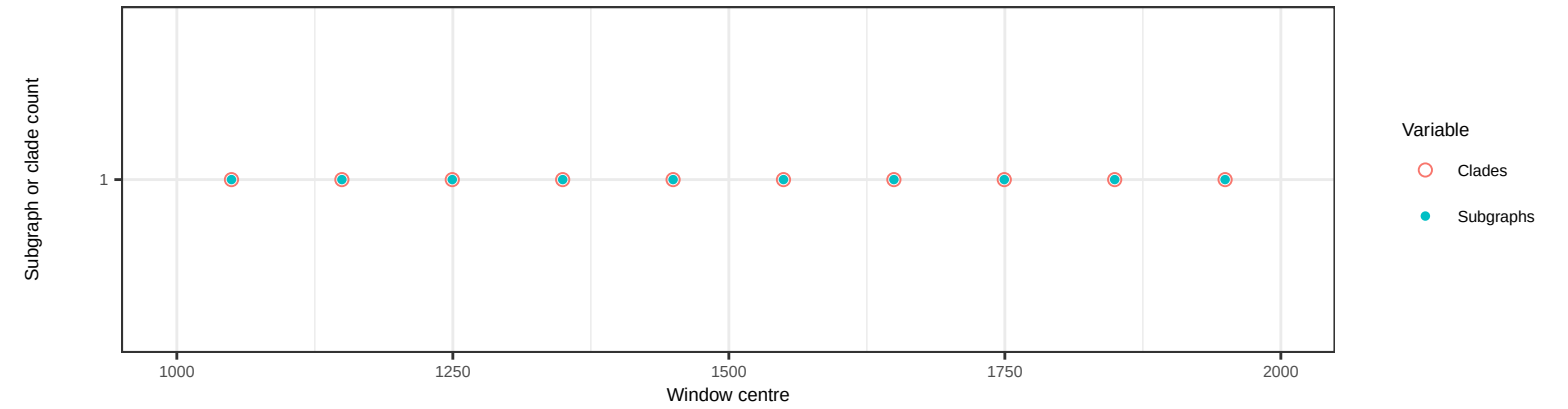

Mean root−to−tip−distance
(read−weighted)
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

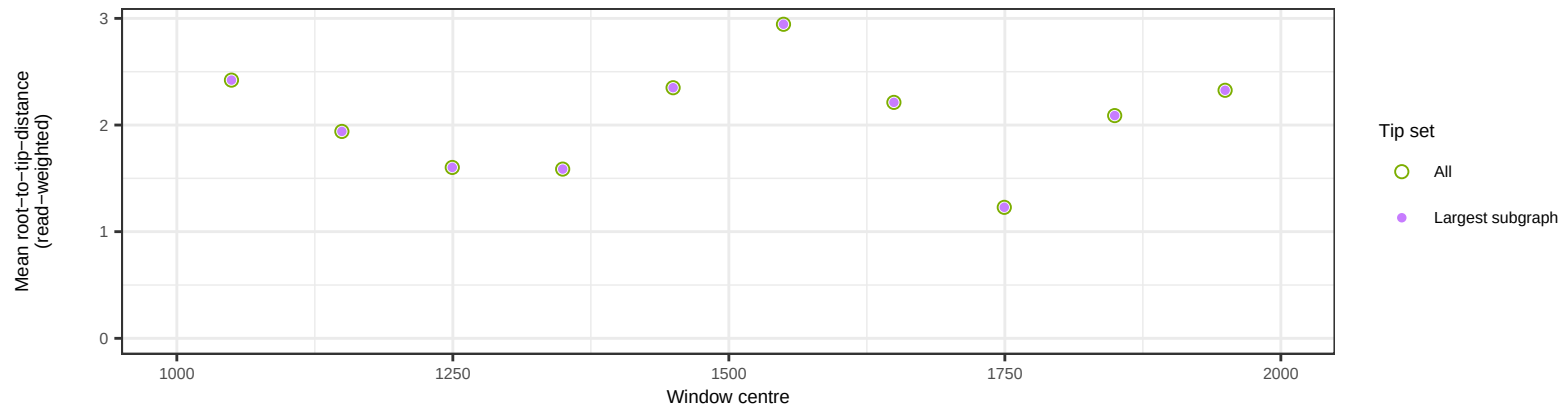

Mean pairwise patristic distance
15
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

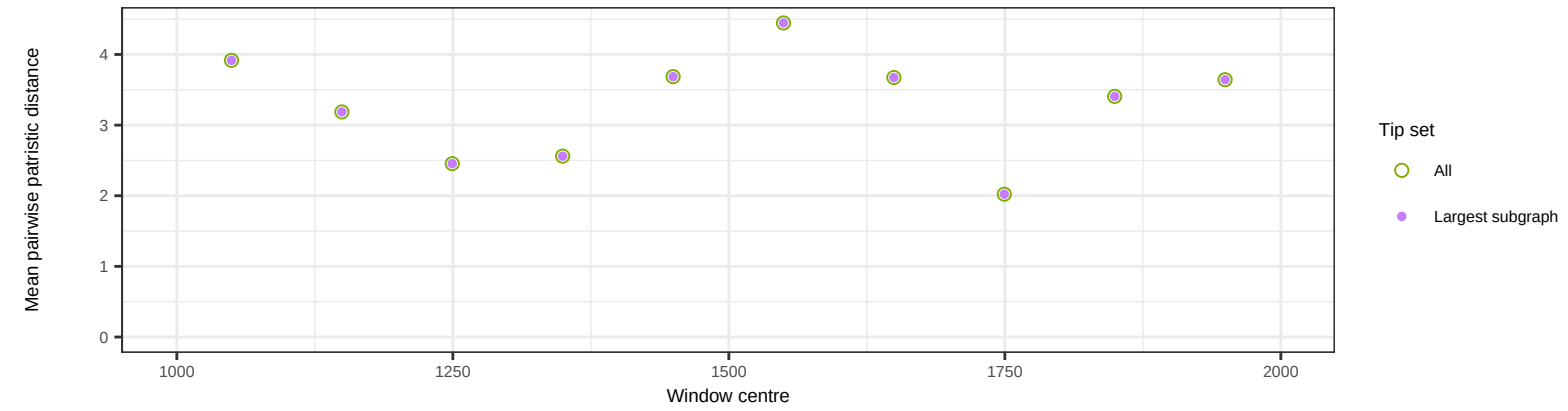

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
2
1

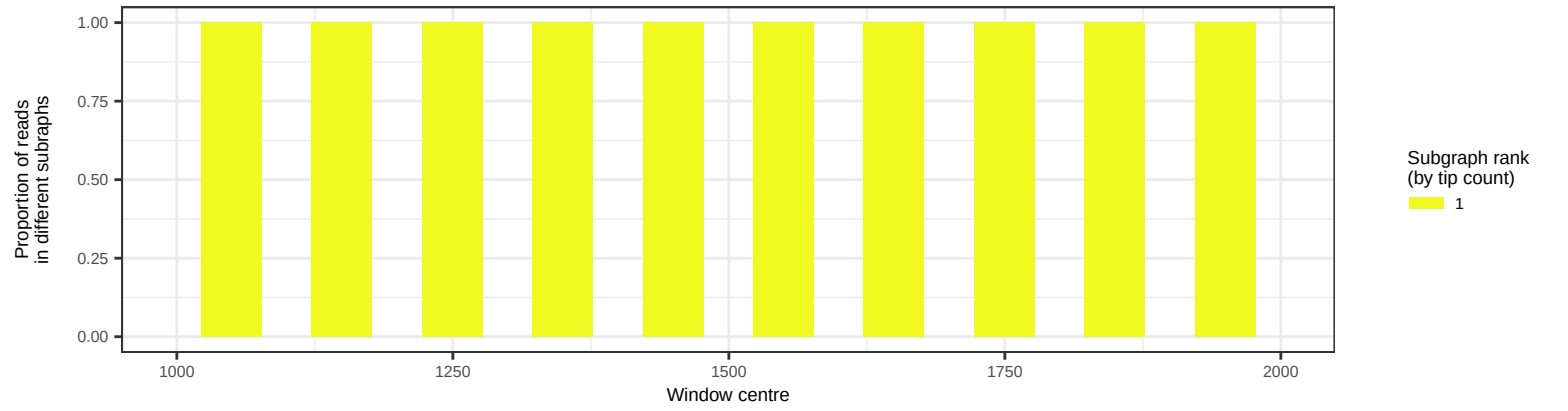

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
4
3
2
1
0
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
8
6
4
2
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
12
8
4
0
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
2
1

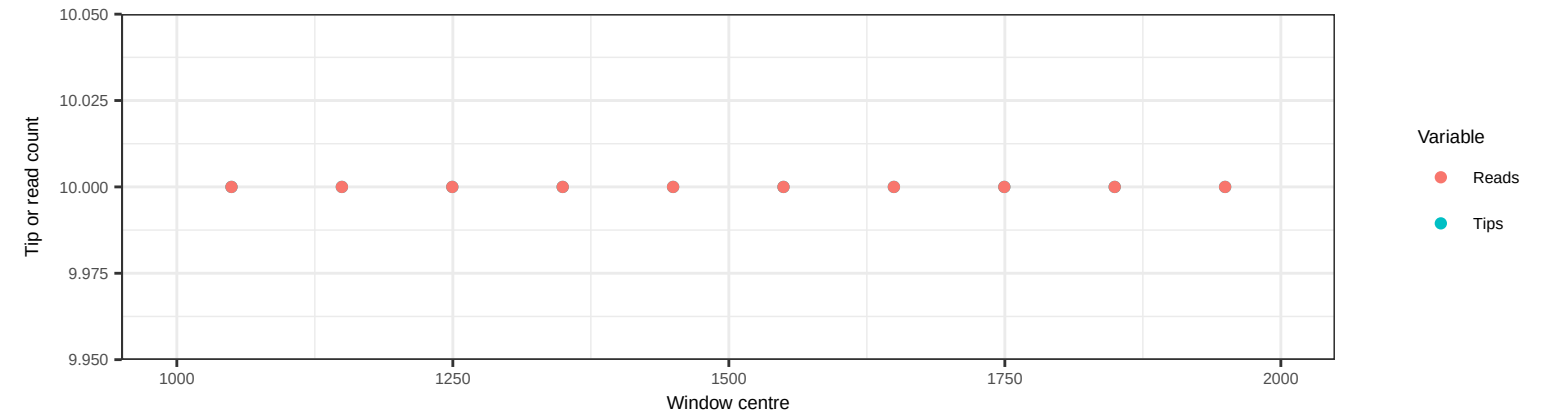

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

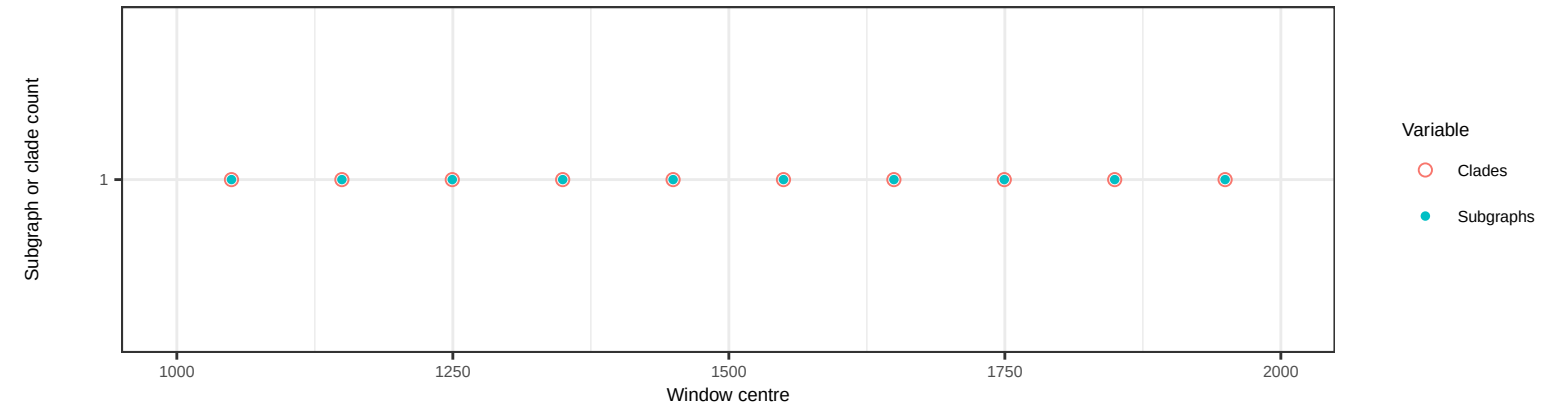

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

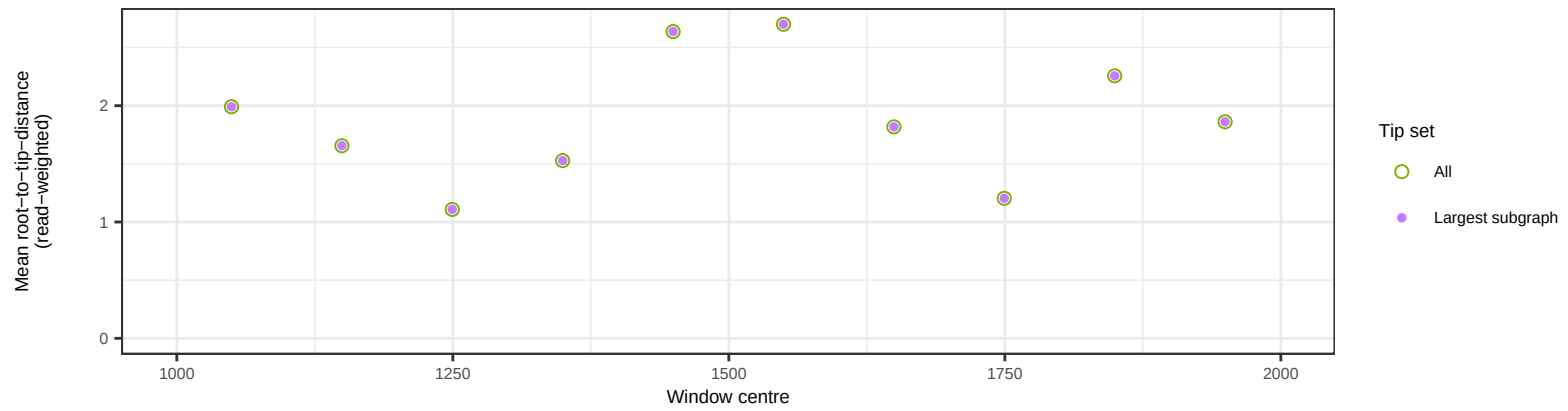

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

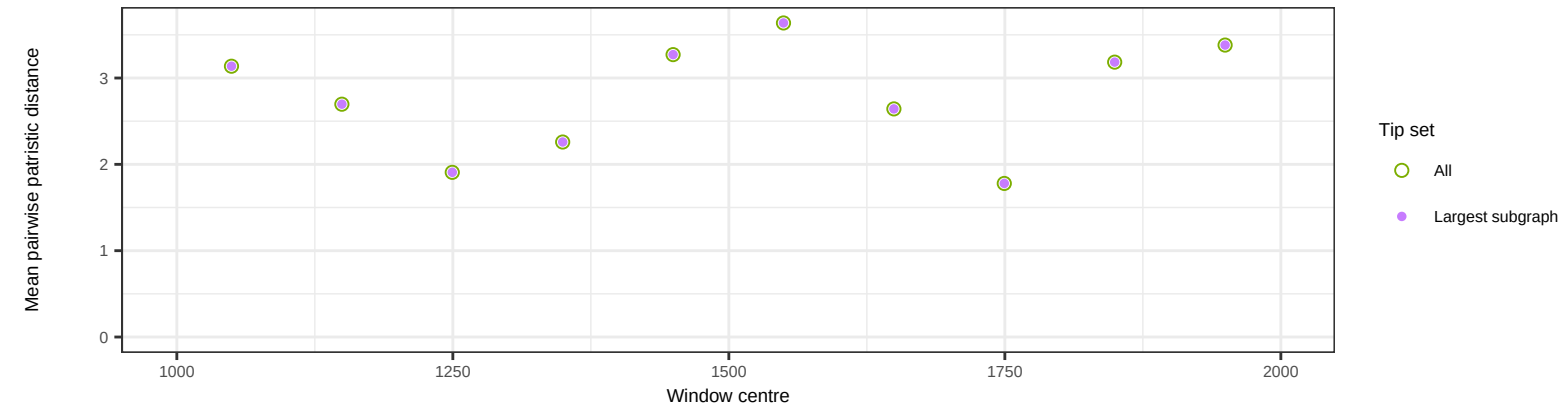

Mean pairwise patristic distance
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

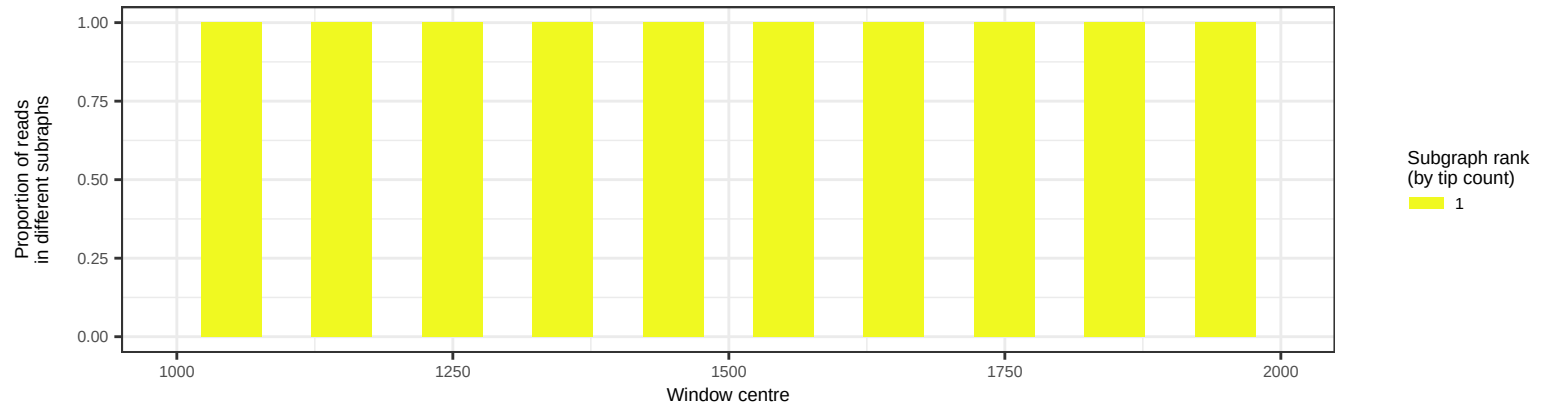

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

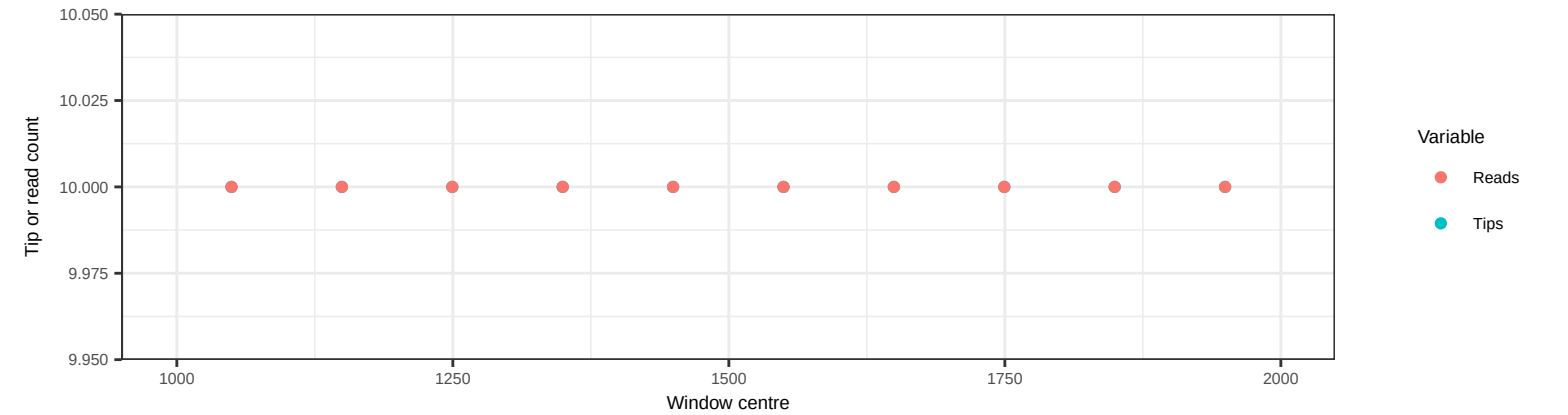

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

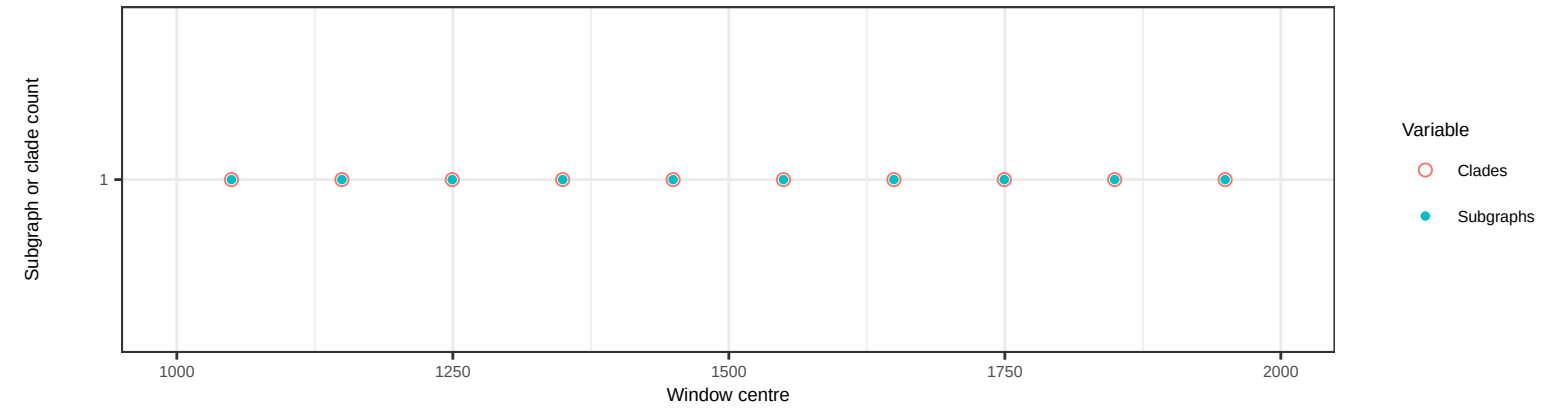

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

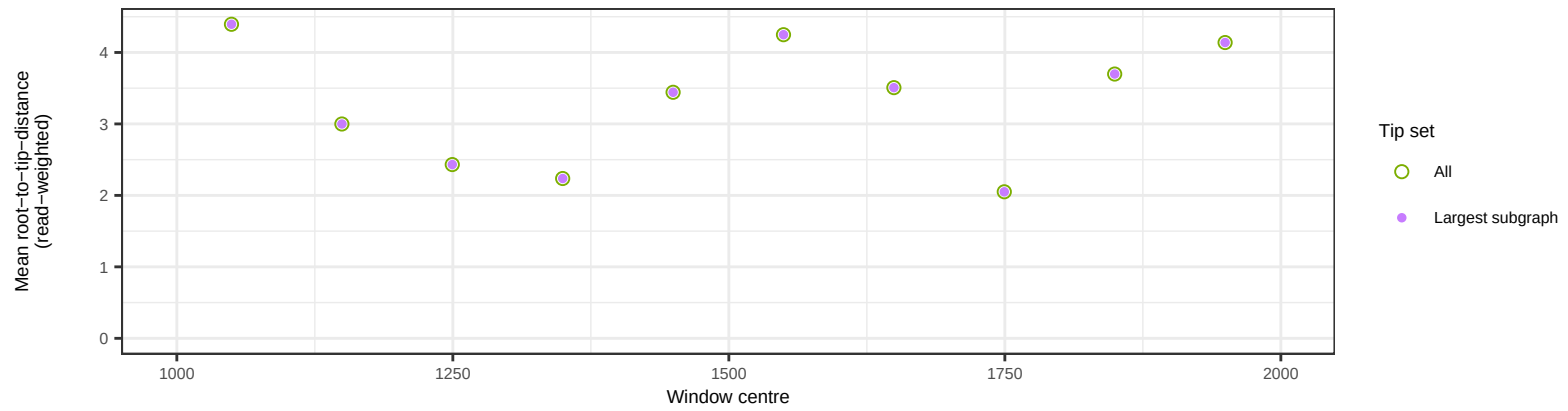

Mean root−to−tip−distance
(read−weighted)
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

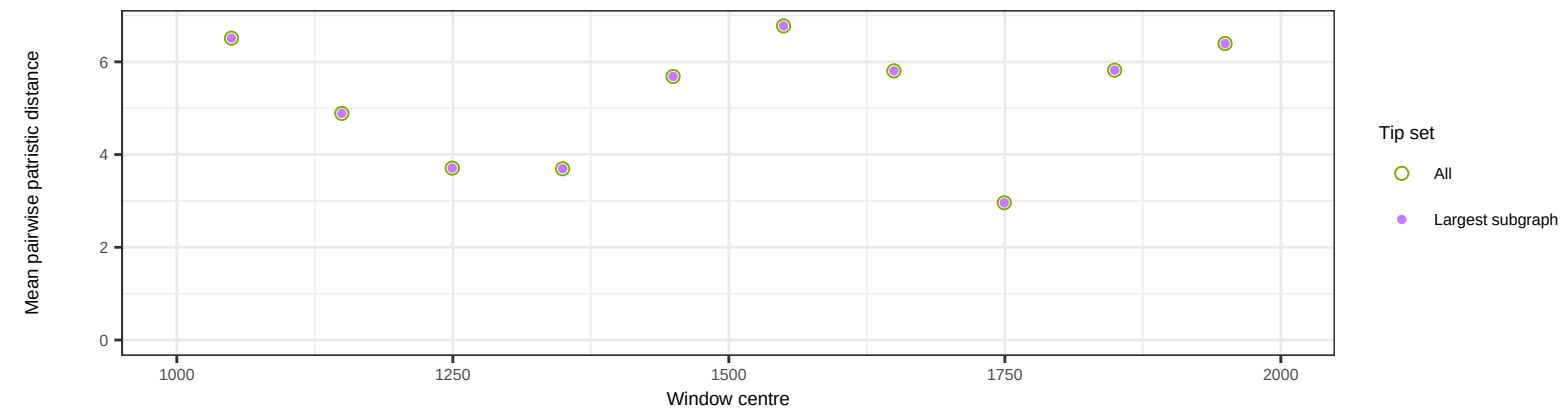

Mean pairwise patristic distance
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

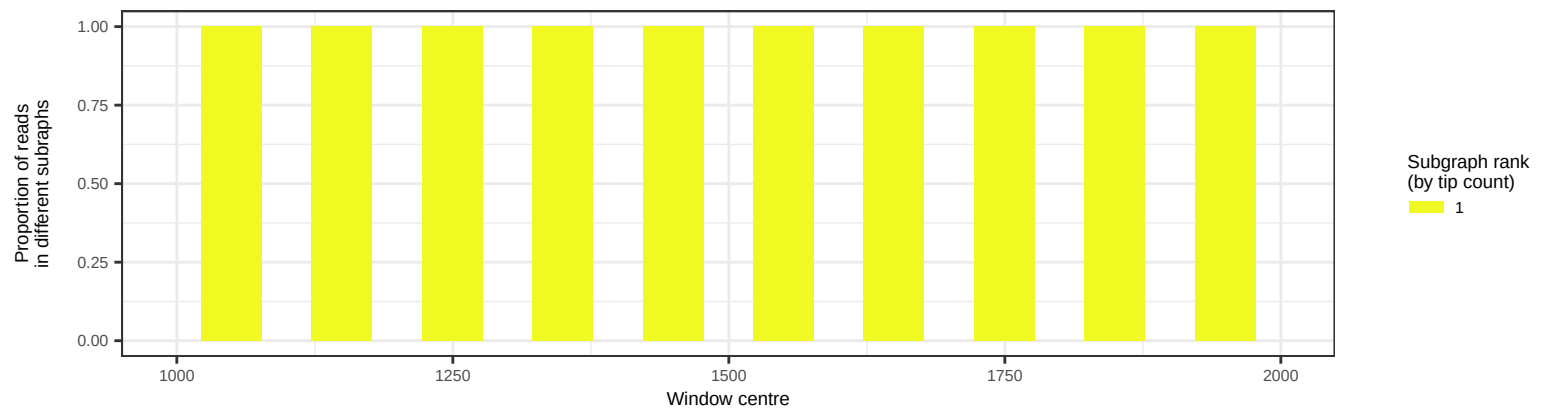

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

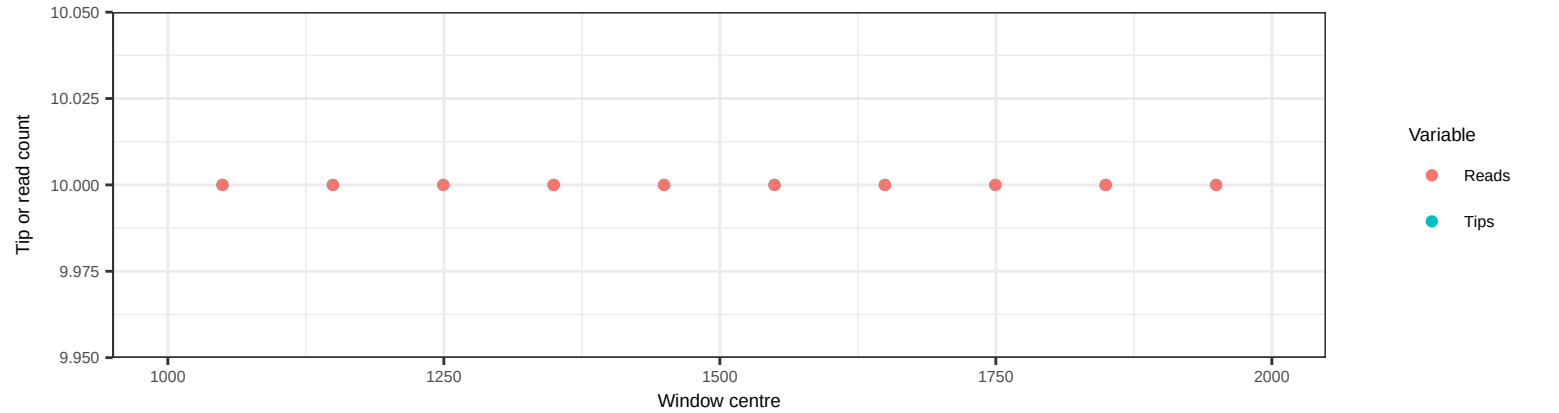

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

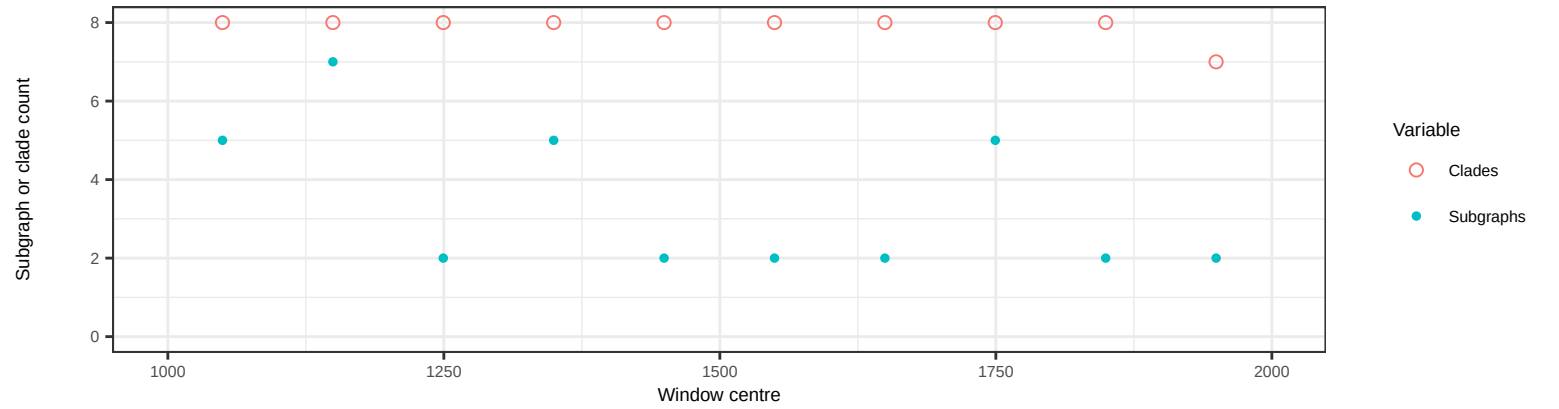

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

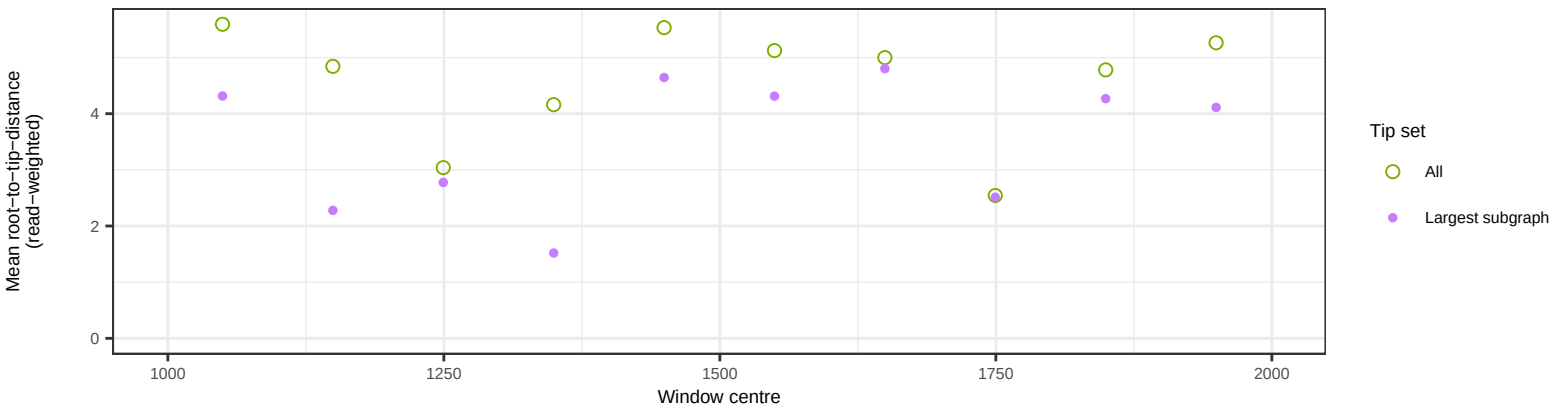

Mean root−to−tip−distance
(read−weighted)
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

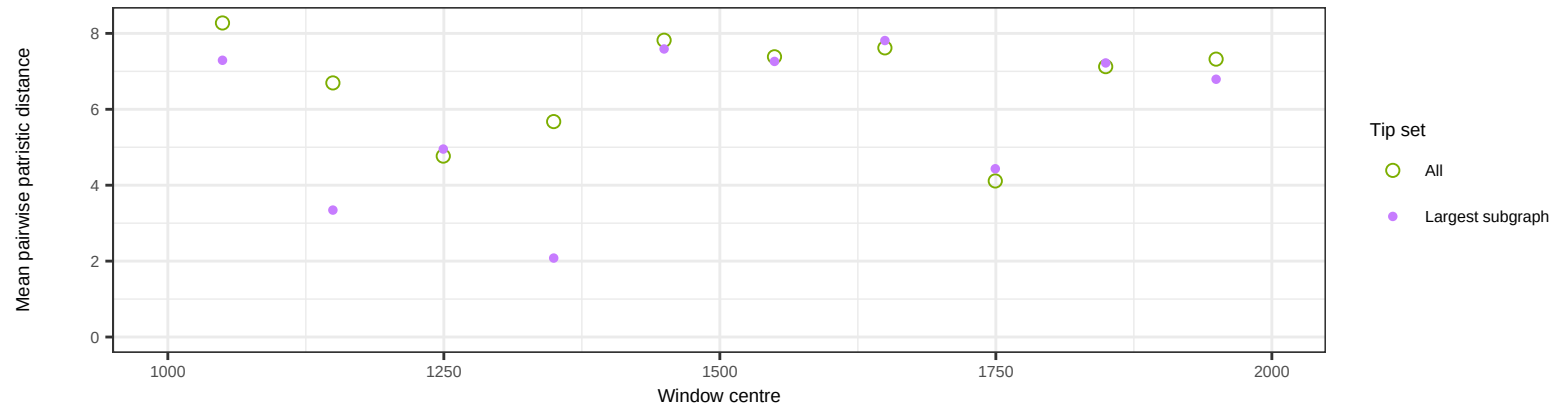

Mean pairwise patristic distance
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

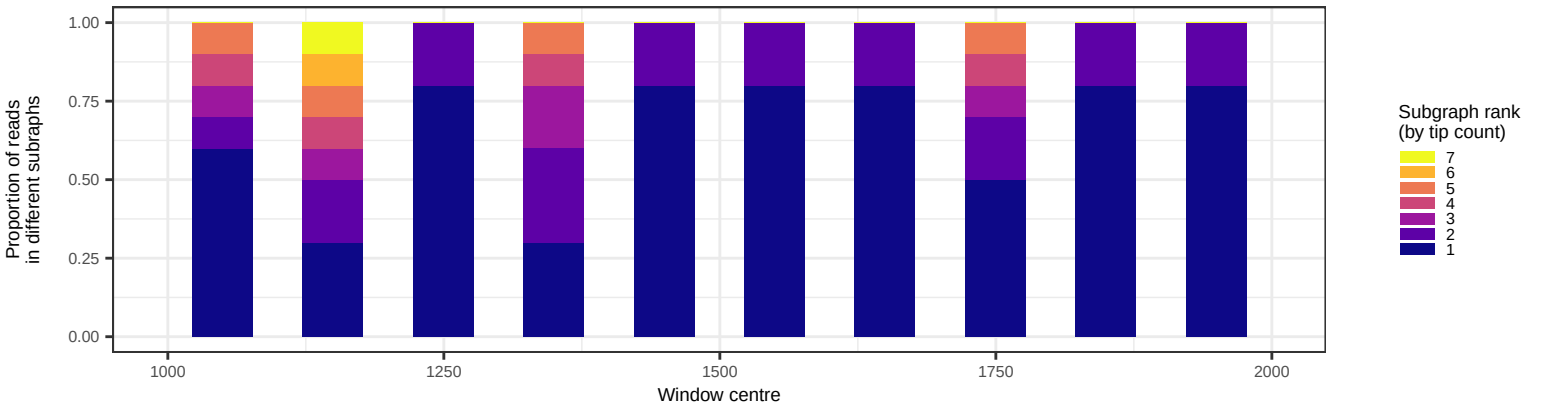

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

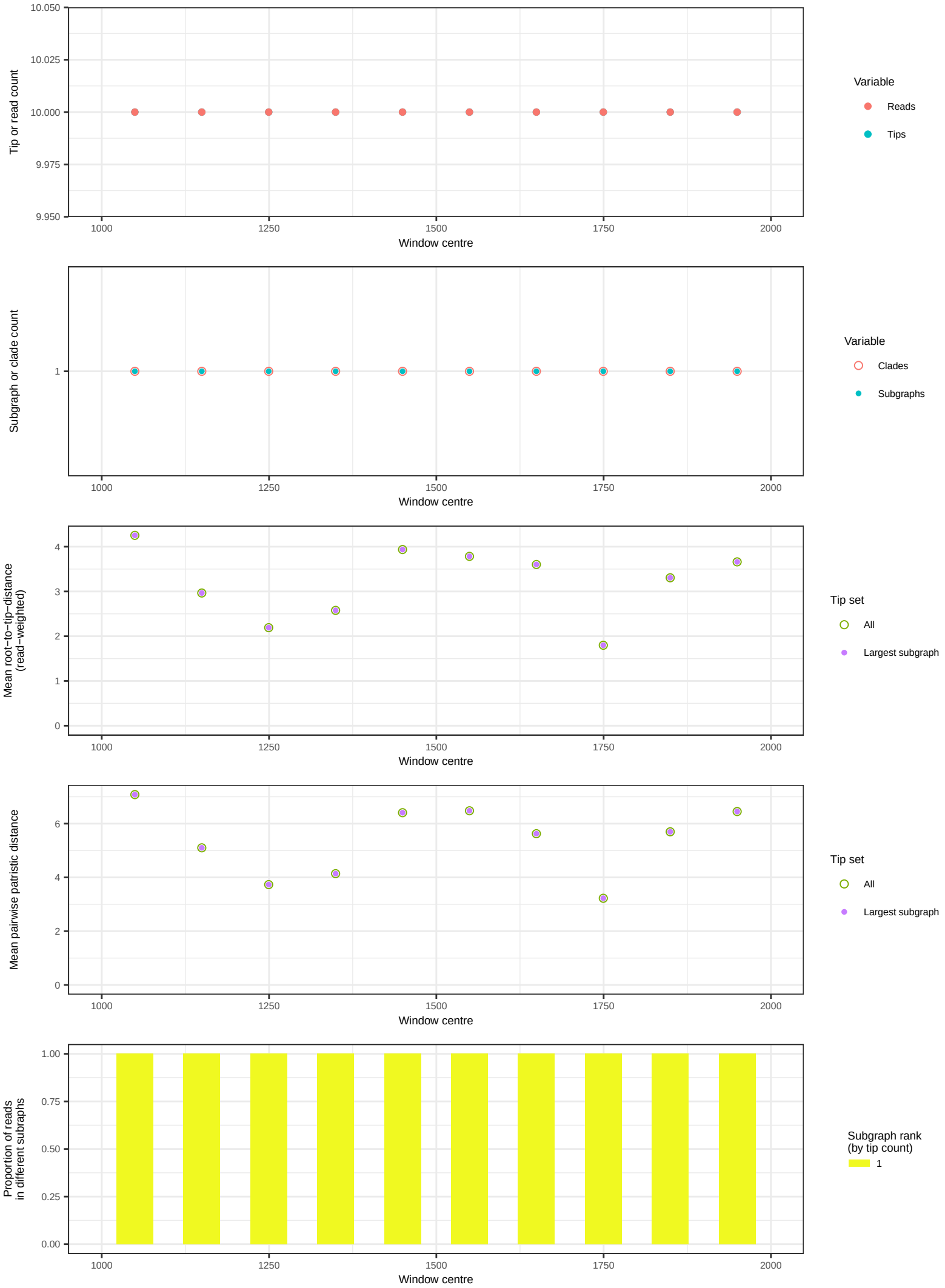

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

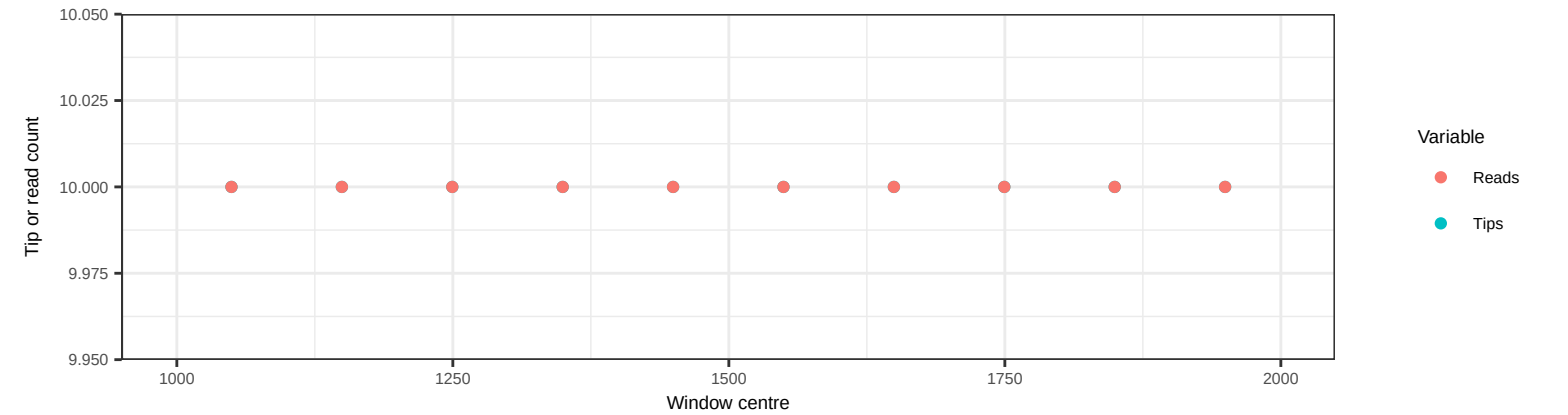

Subgraph or clade count
8
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

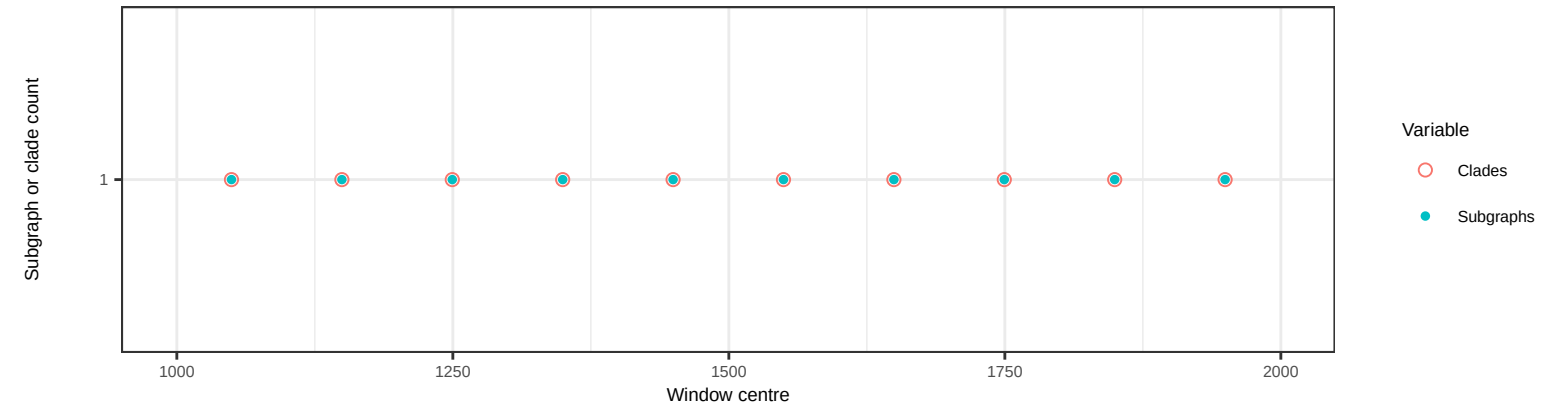

Mean root−to−tip−distance
(read−weighted)
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

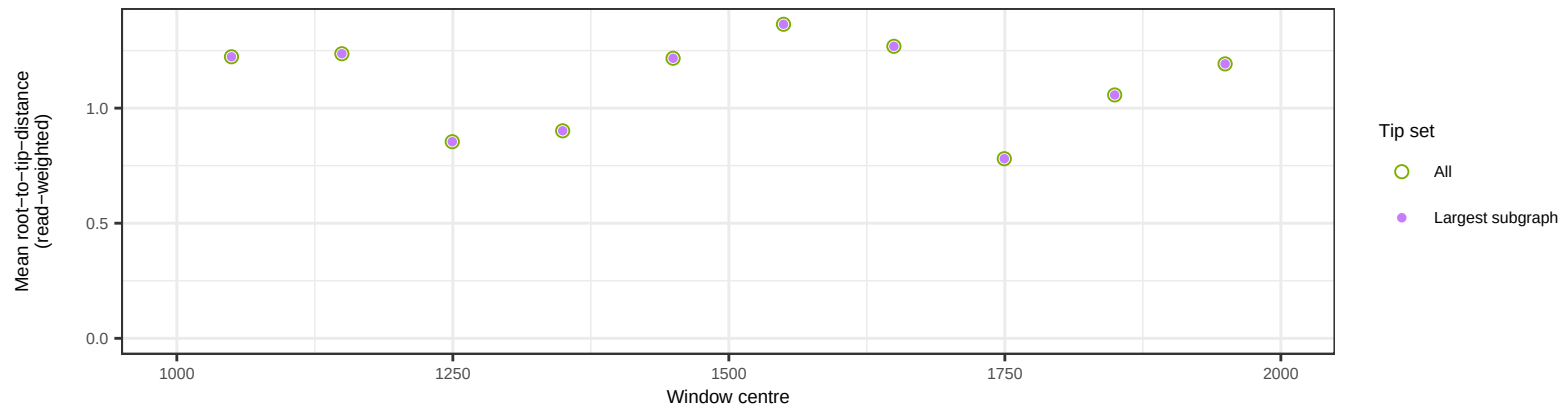

Mean pairwise patristic distance
8
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

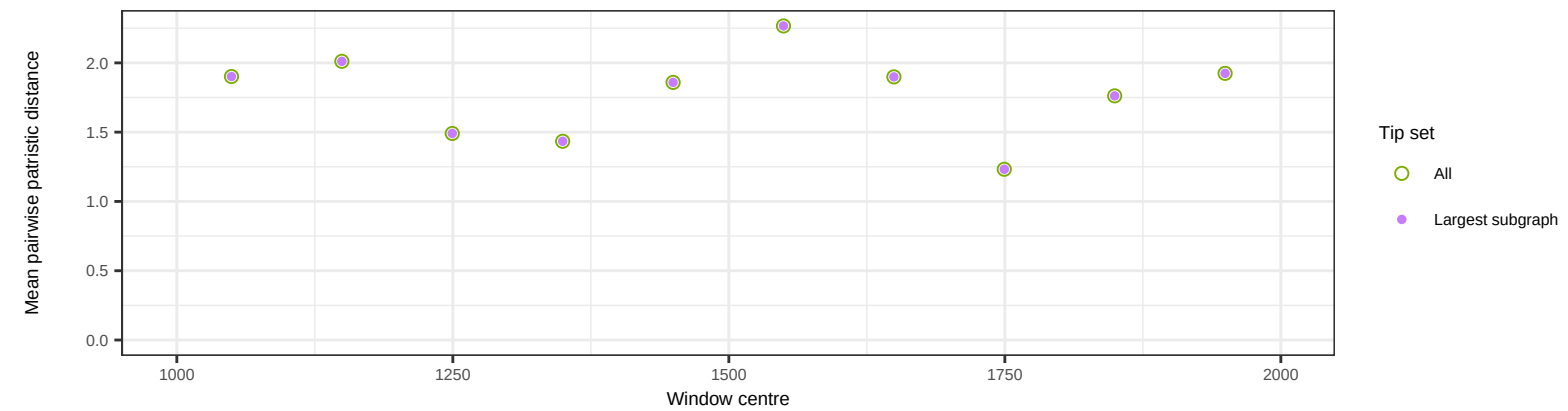

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
7
6
5
4
3
2
1

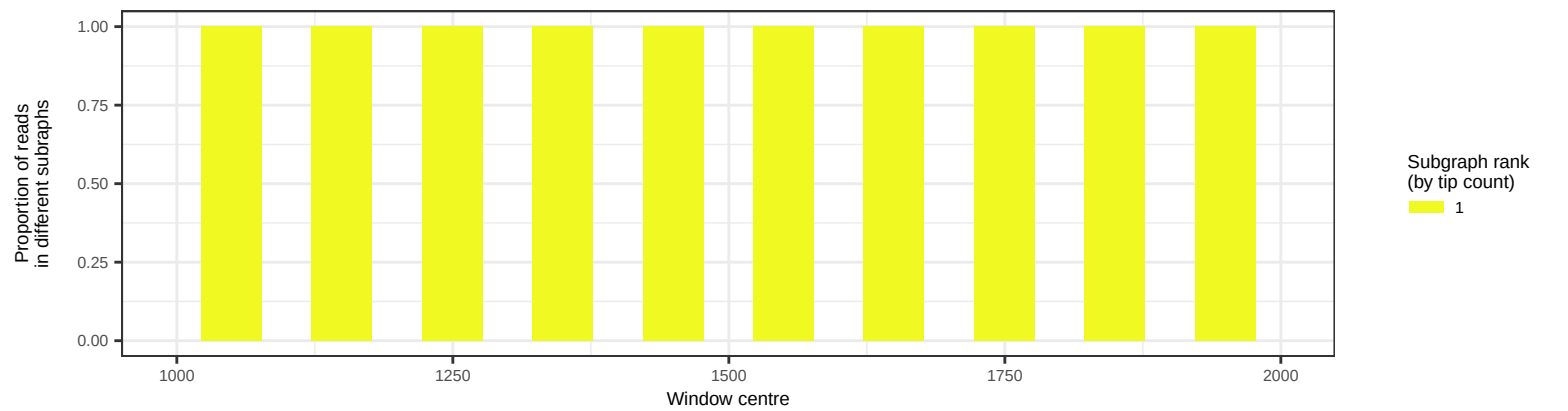

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
0
1
2
3
4
Tip set
All
Largest subgraph
Mean pairwise patristic distance
0
2
4
6
Proportion of reads in different subraphs
0.00
0.25
0.50
0.75
1.00
Subgraph rank (by tip count)
1

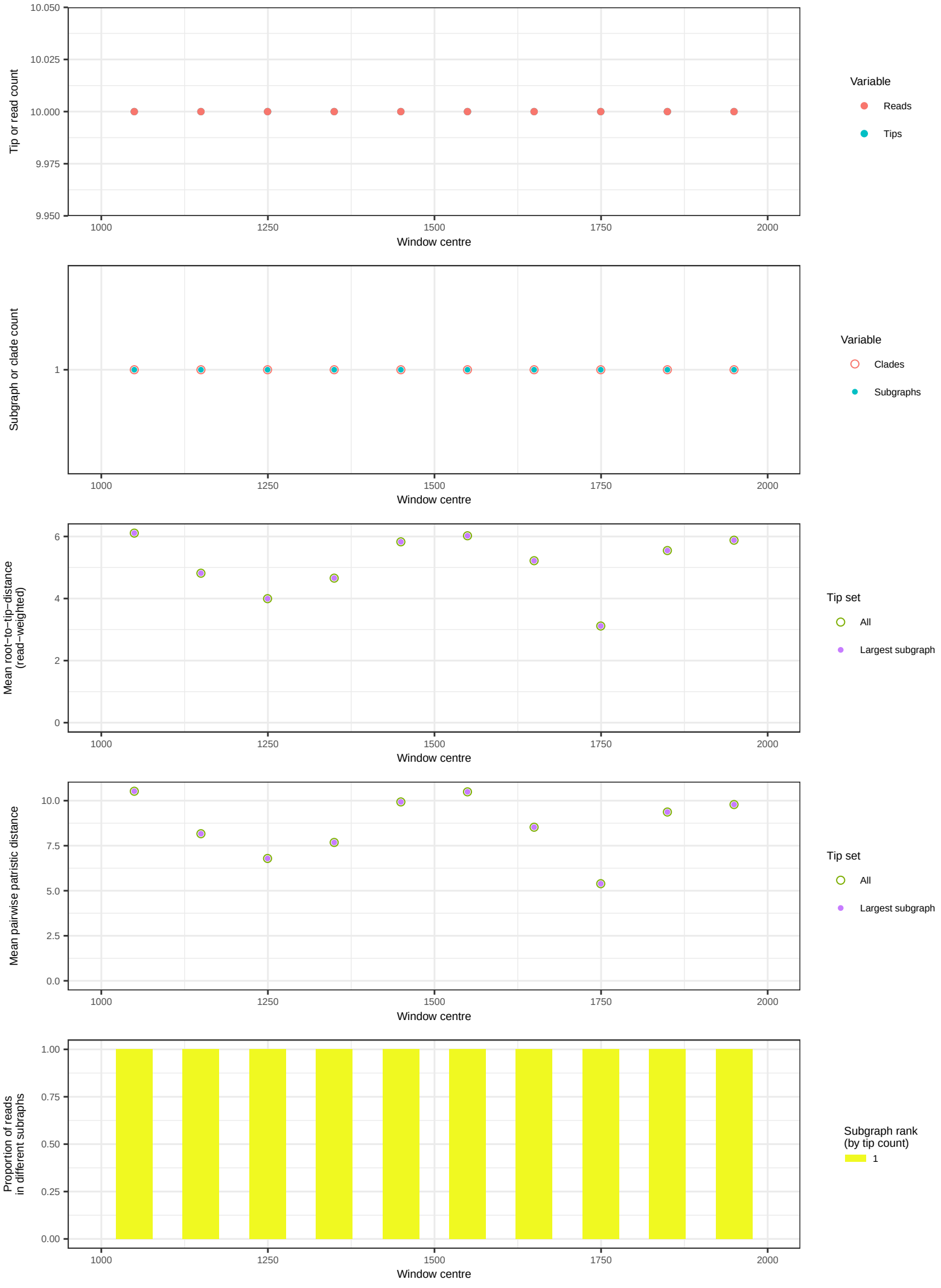

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

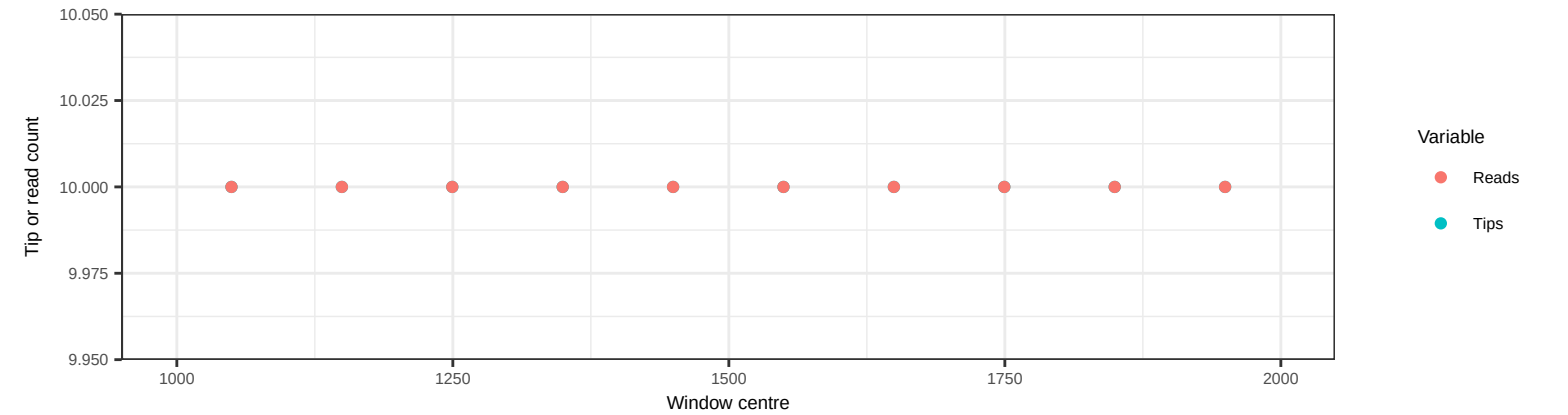

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

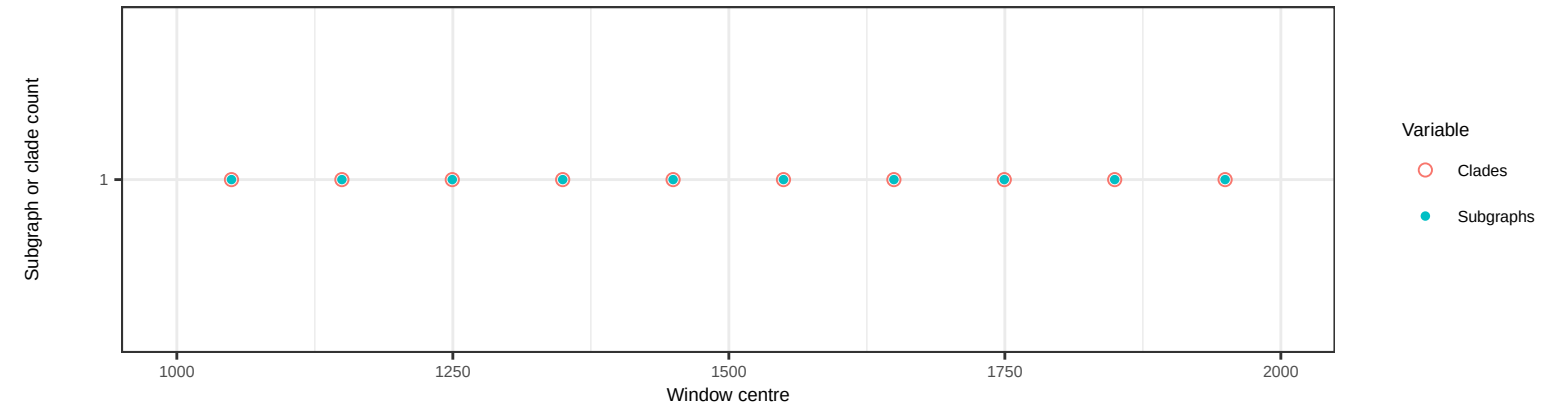

Mean root−to−tip−distance
(read−weighted)
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

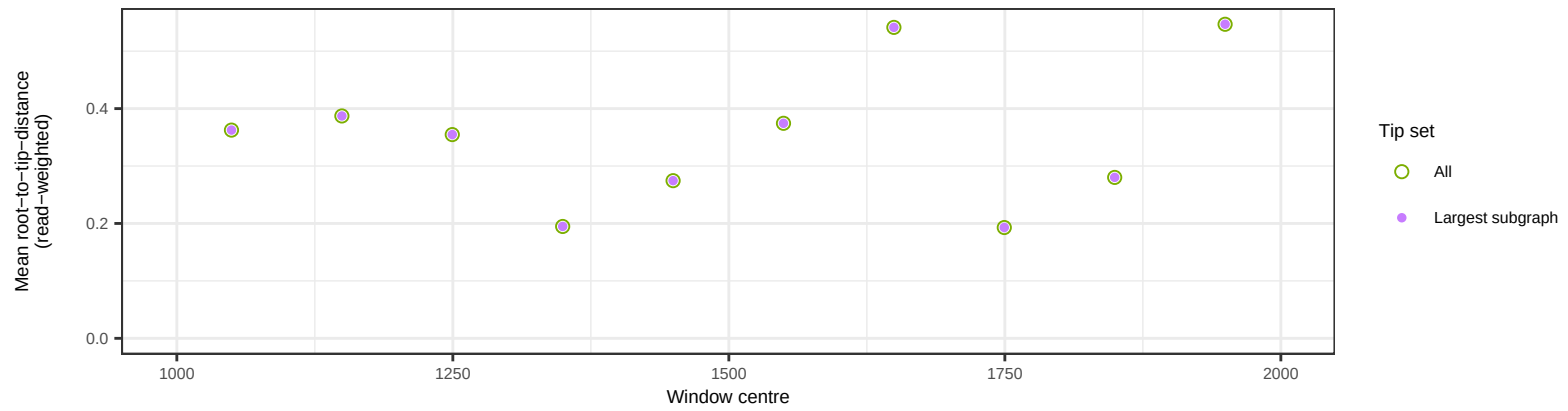

Mean pairwise patristic distance
2.0
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

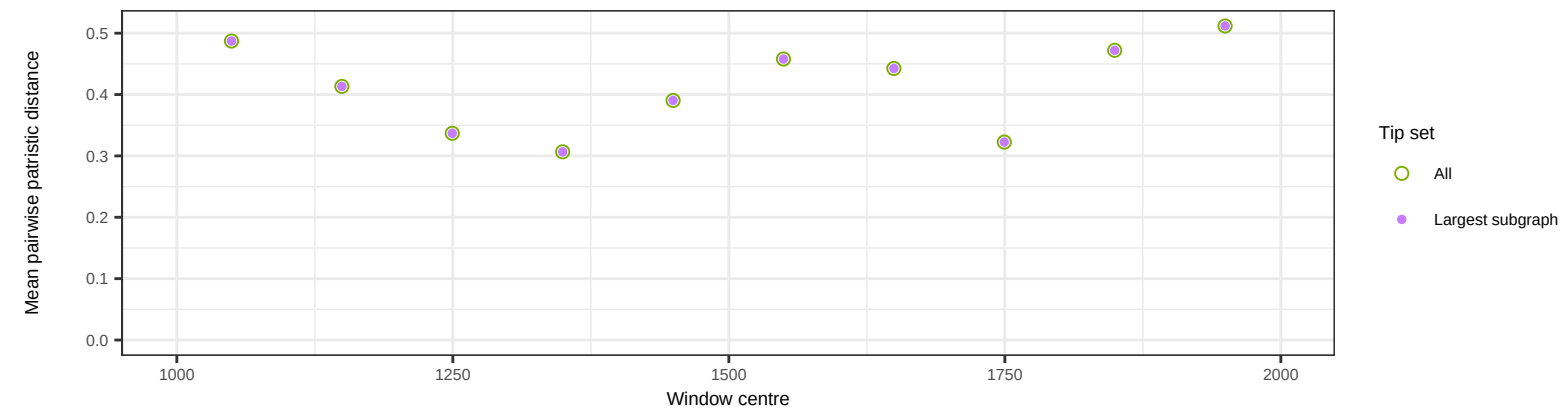

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

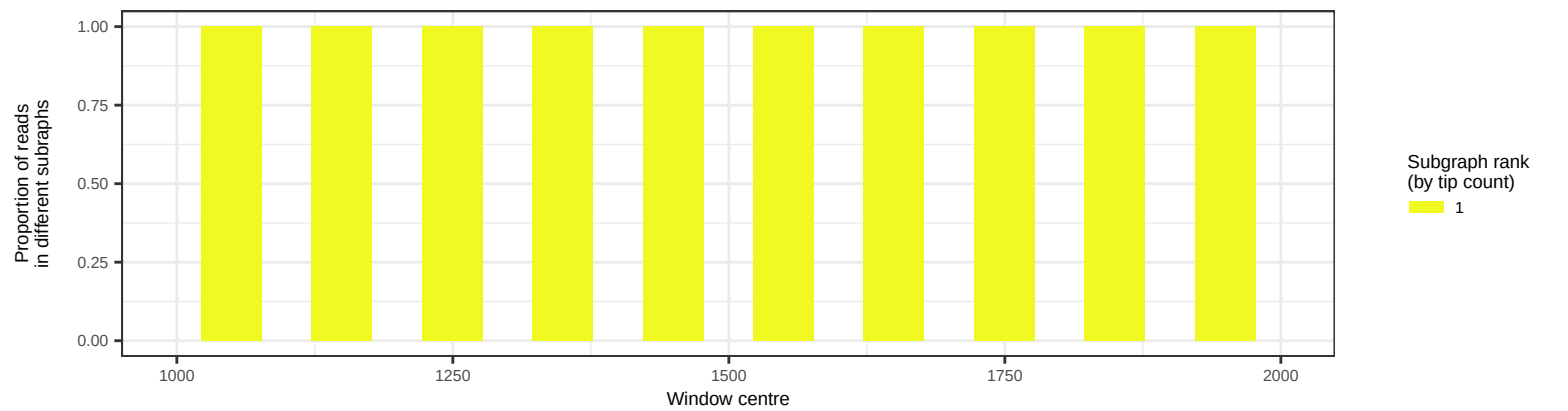

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
6
4
2
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
10.0
7.5
5.0
2.5
0.0
Proportion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

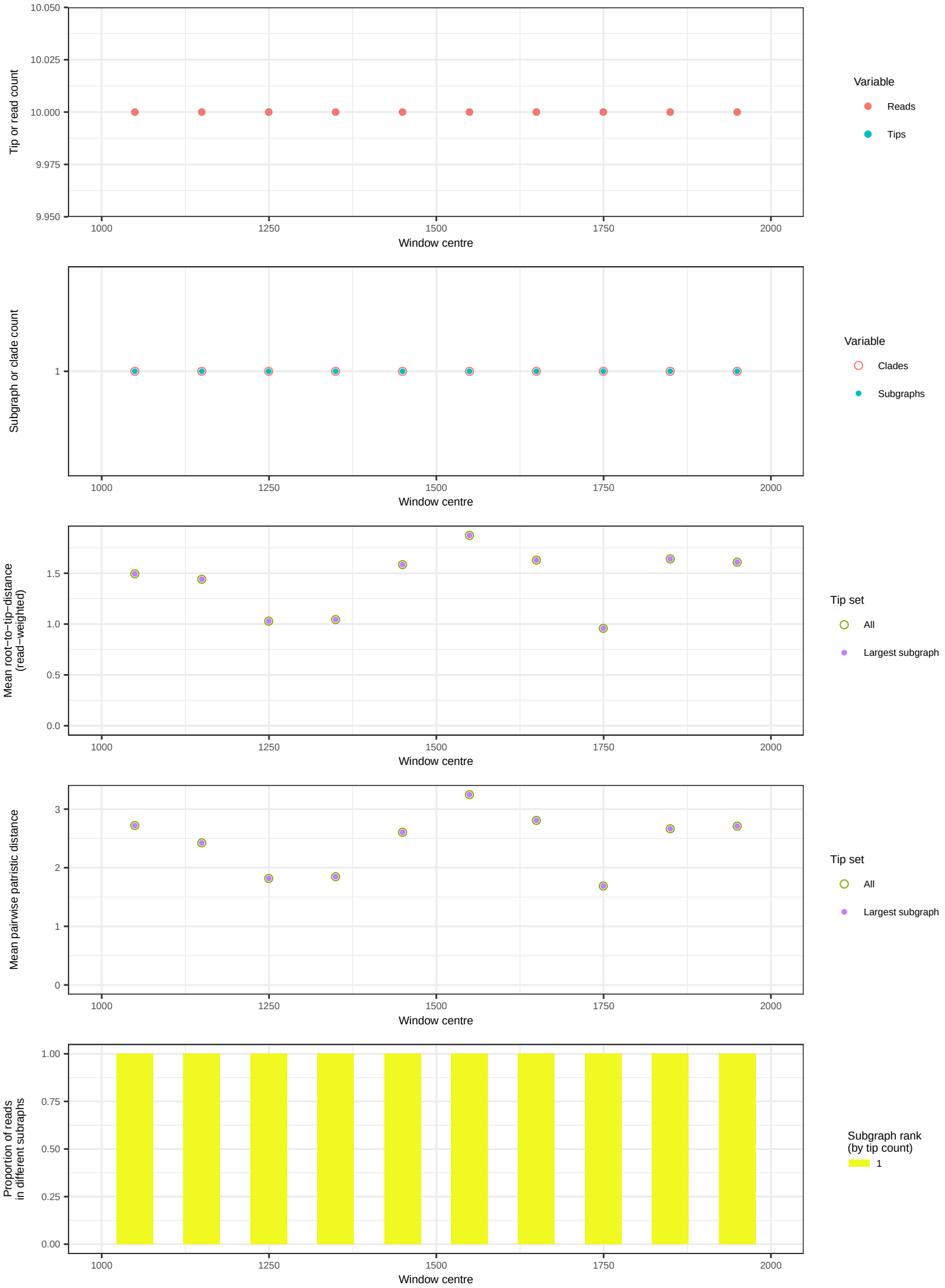

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips


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

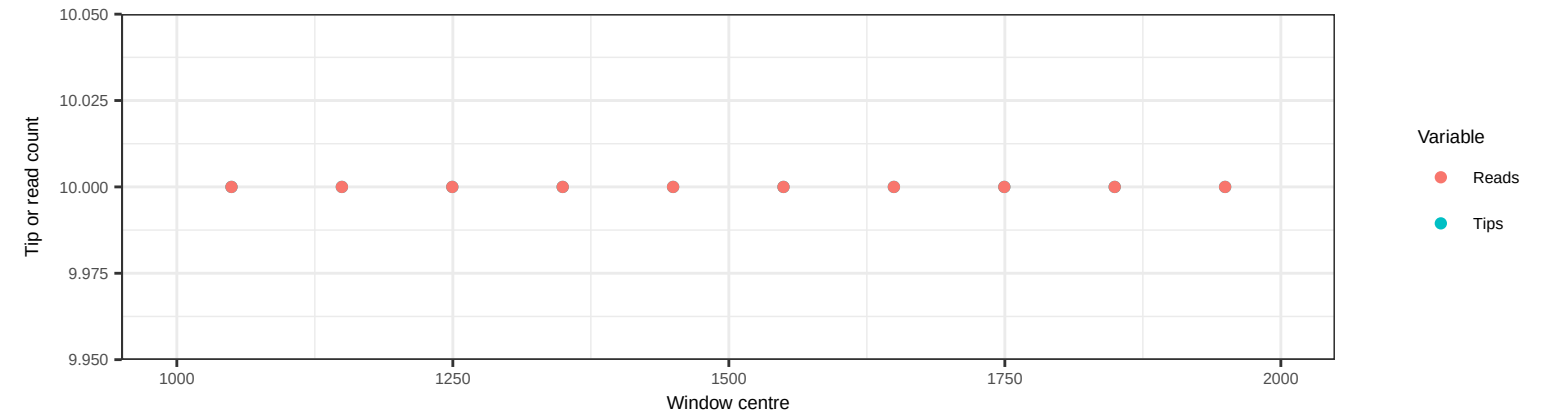

Mean root−to−tip−distance
(read−weighted)
0.4
0.2
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

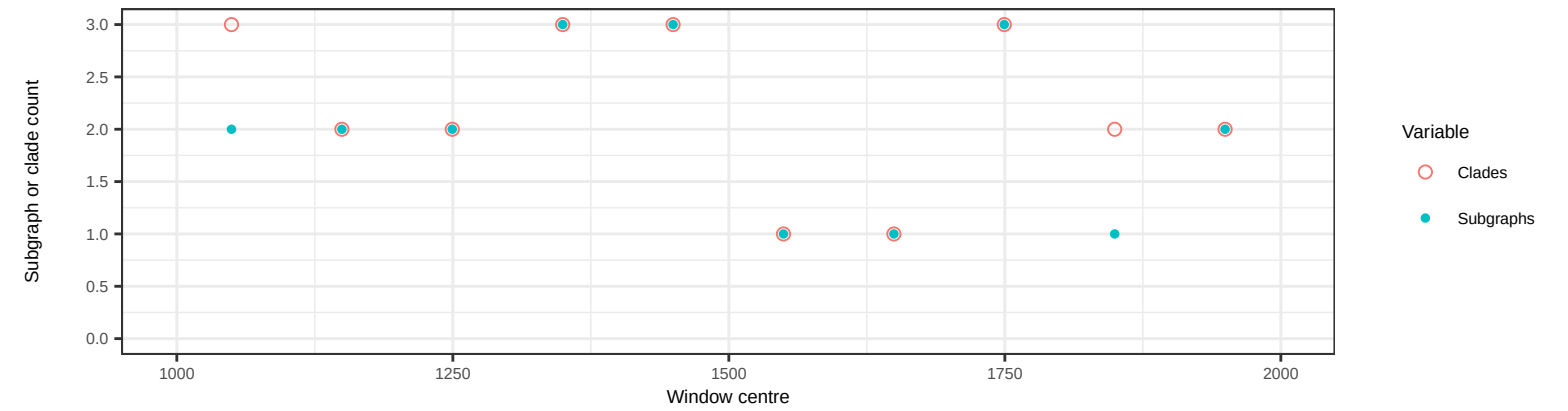

Mean pairwise patristic distance
0.5
0.4
0.3
0.2
0.1
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

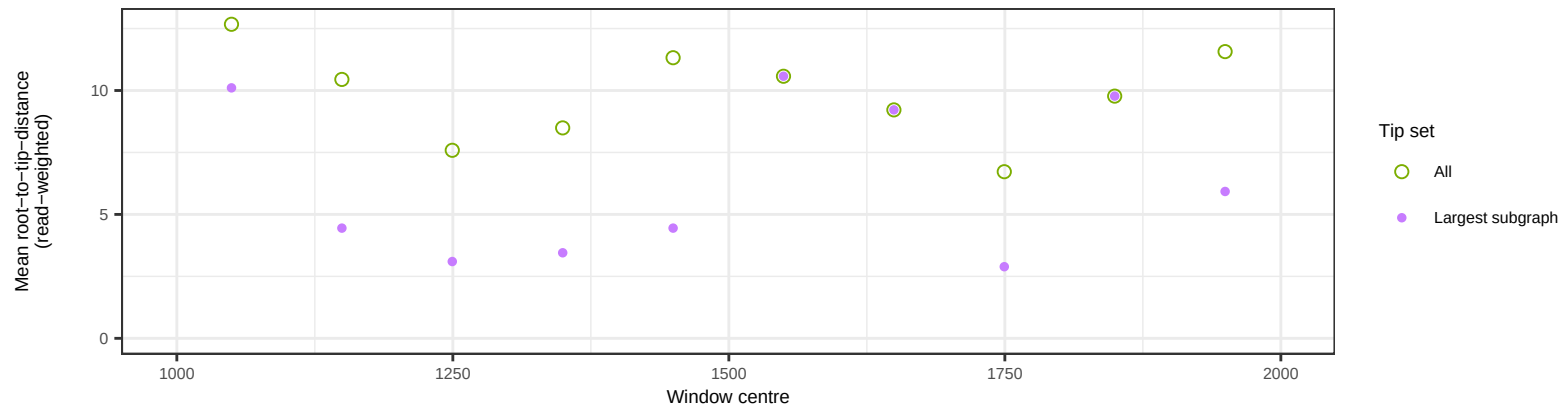

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

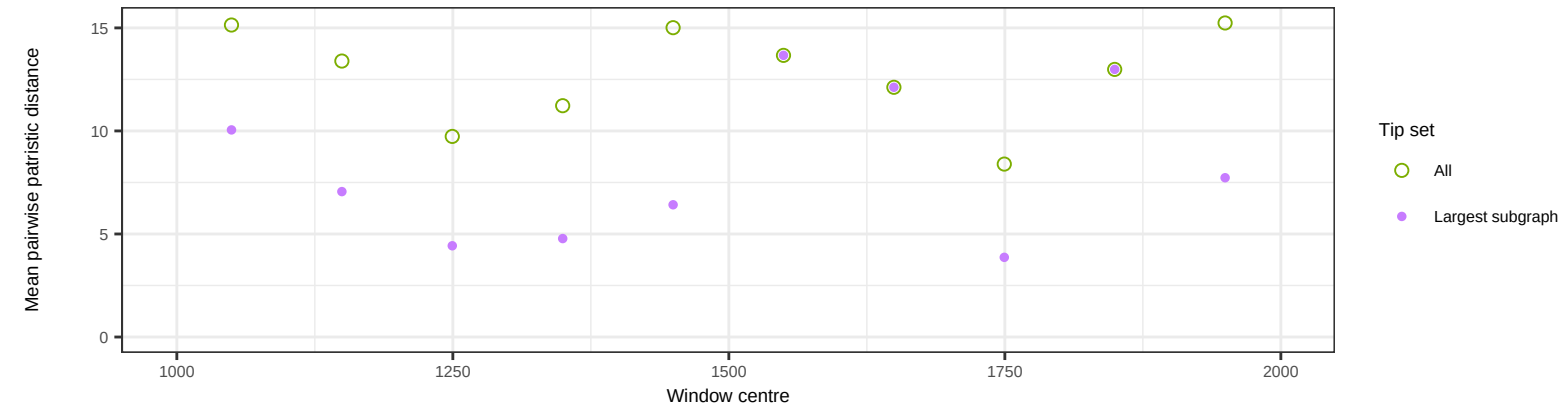

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Window centre
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
1.5
1.0
0.5
0.0
Window centre
Tip set
All
Largest subgraph
Mean pairwise patristic distance
3
2
1
0
Window centre
Tip set
All
Largest subgraph
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Window centre
Subgraph rank (by tip count)
1

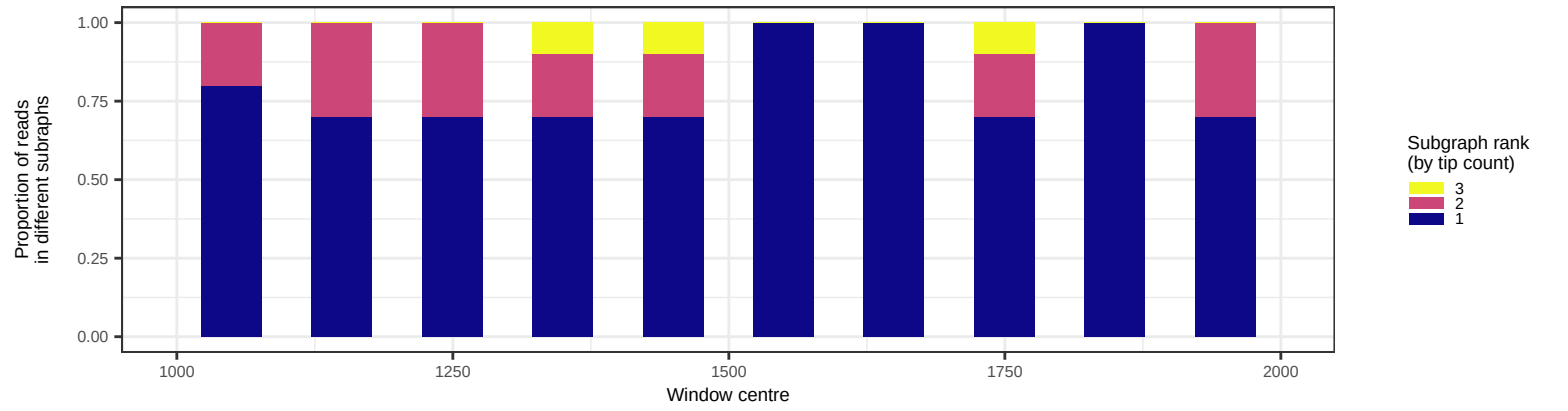
211

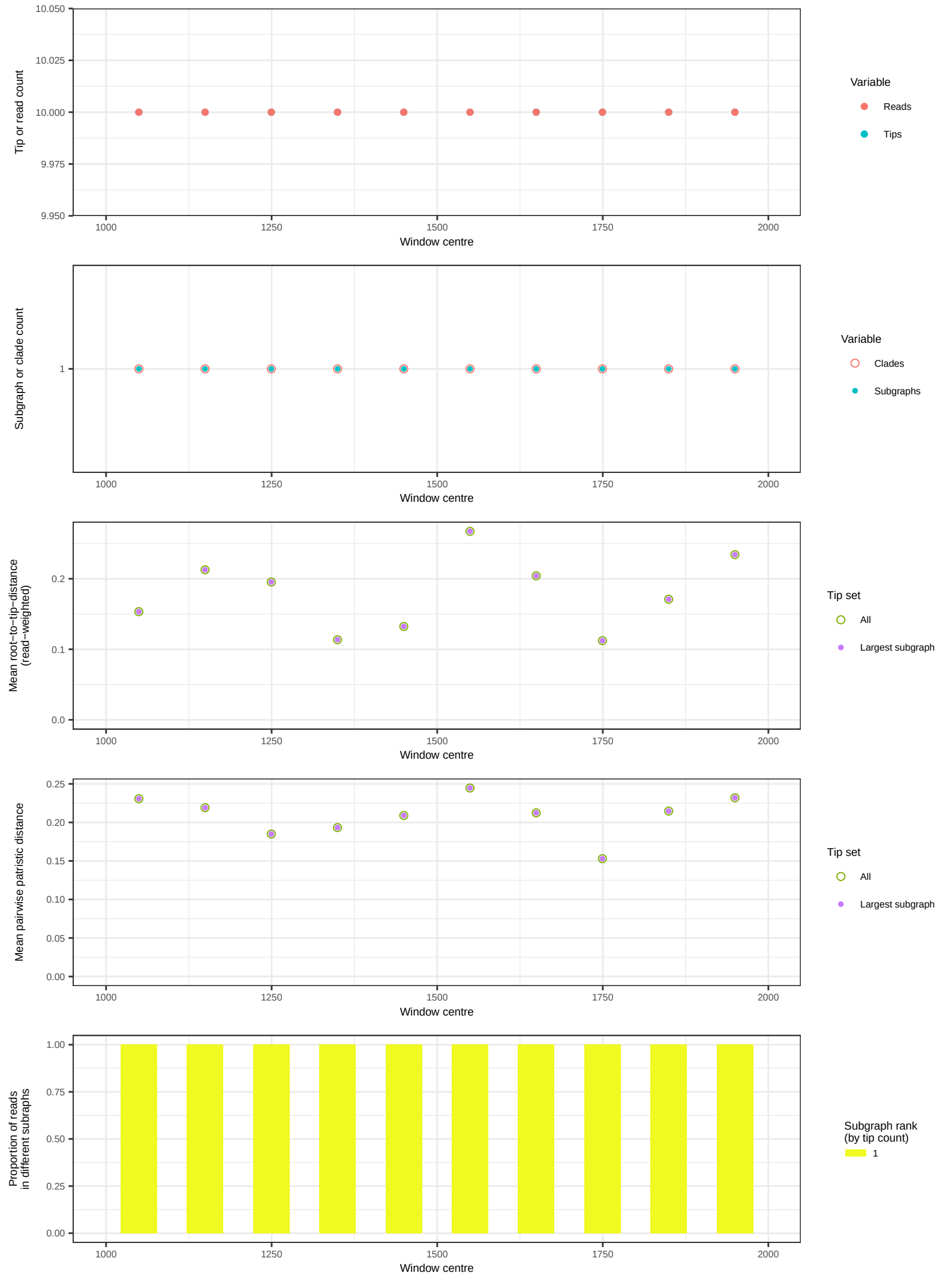

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

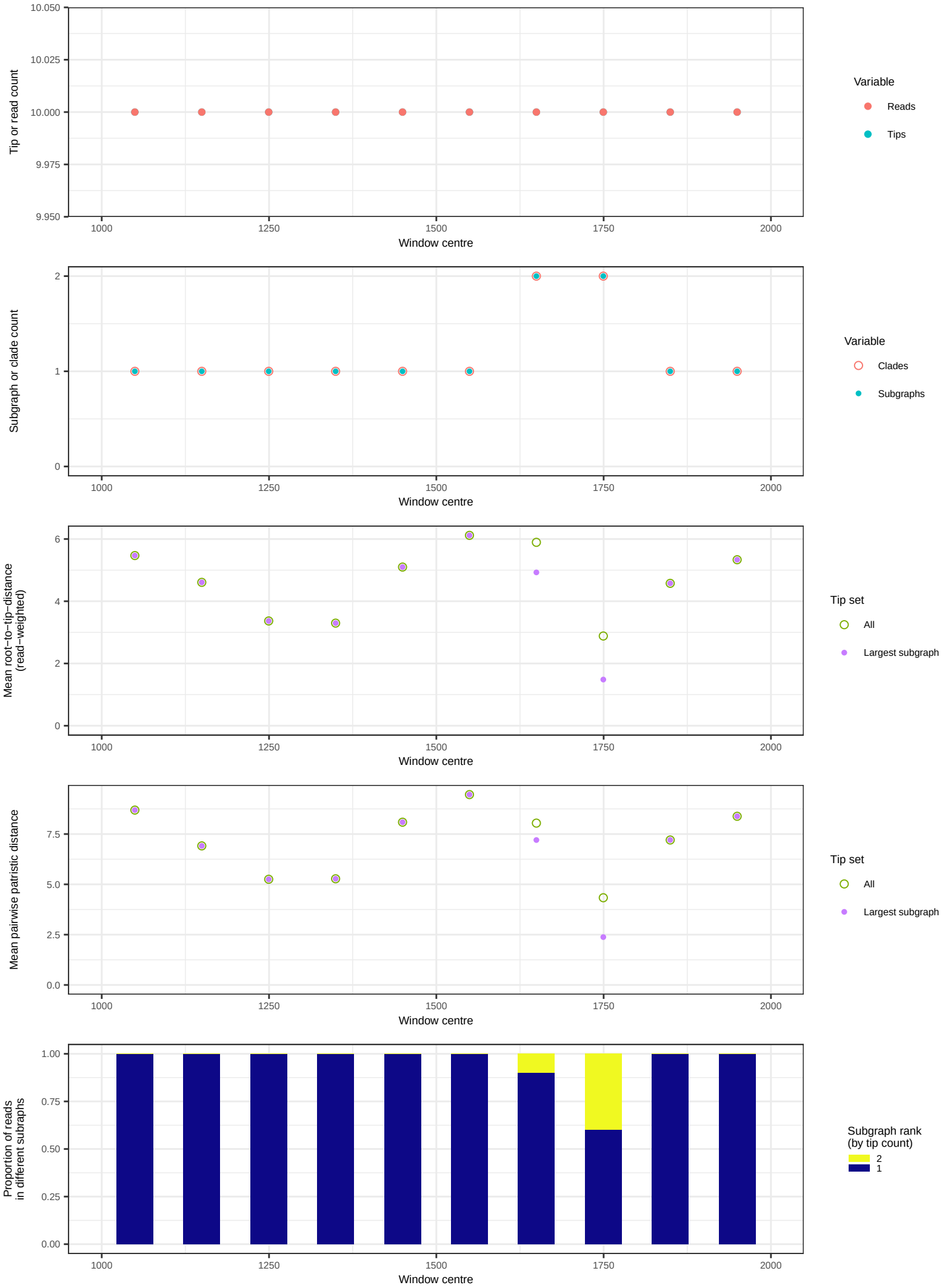

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

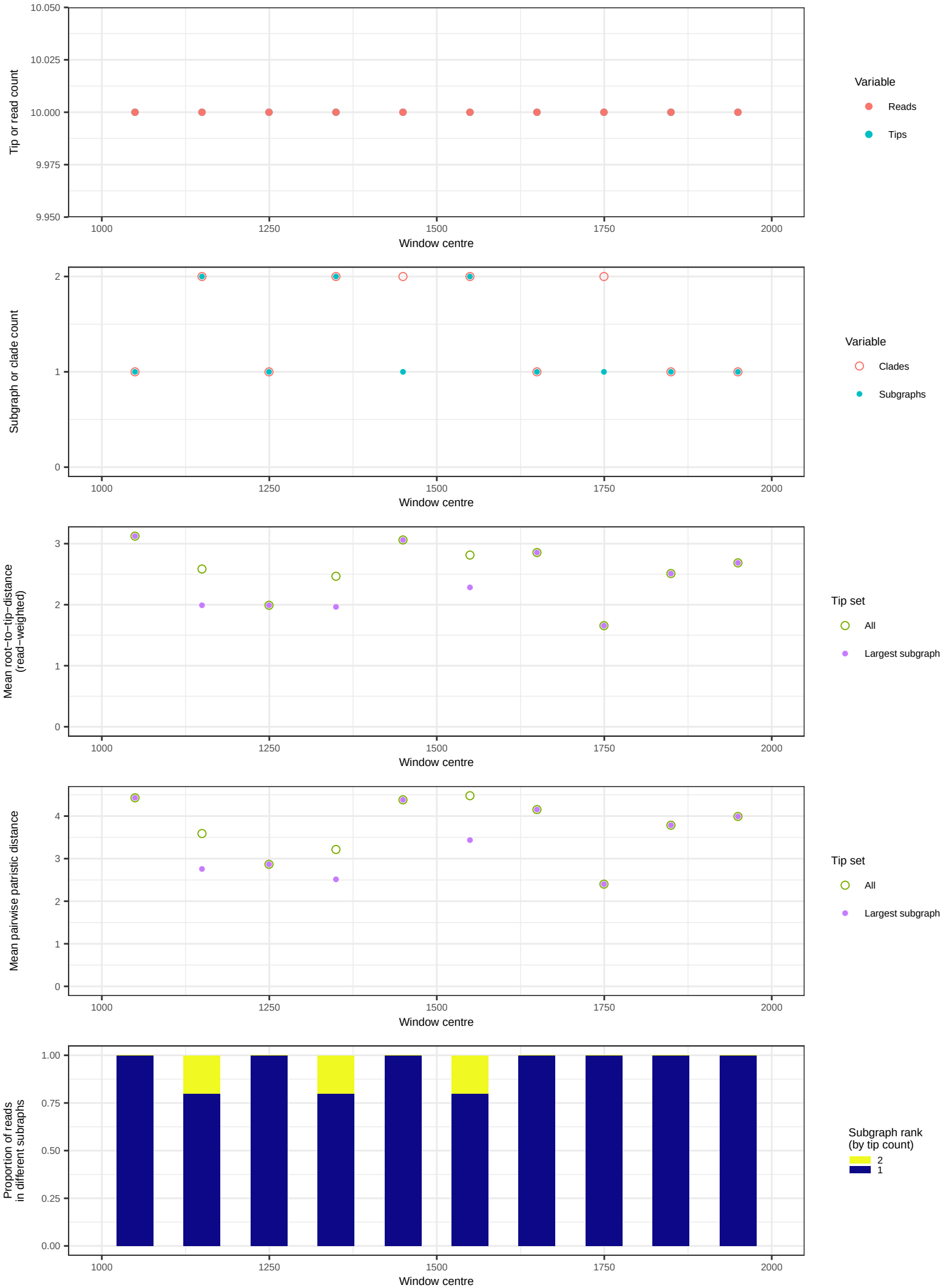

Mean root−to−tip−distance
(read−weighted)
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

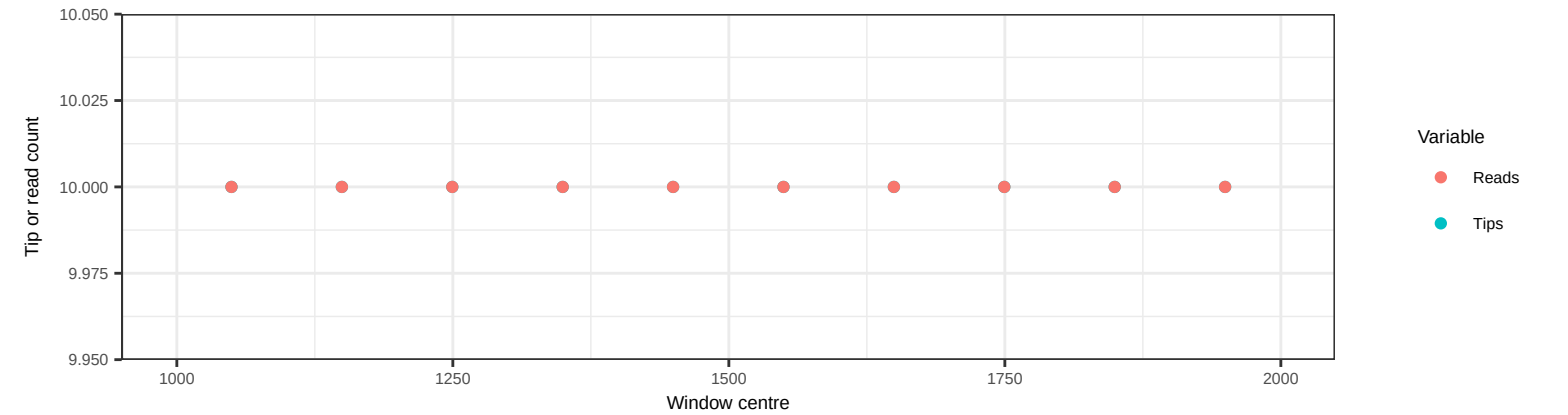

Mean pairwise patristic distance
15
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

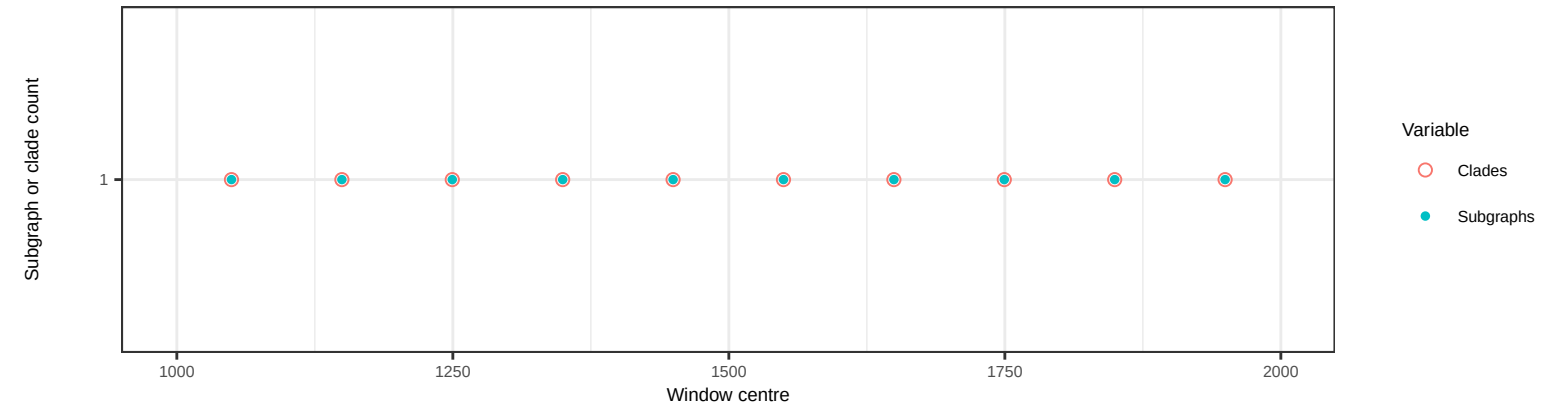

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
3
2
1

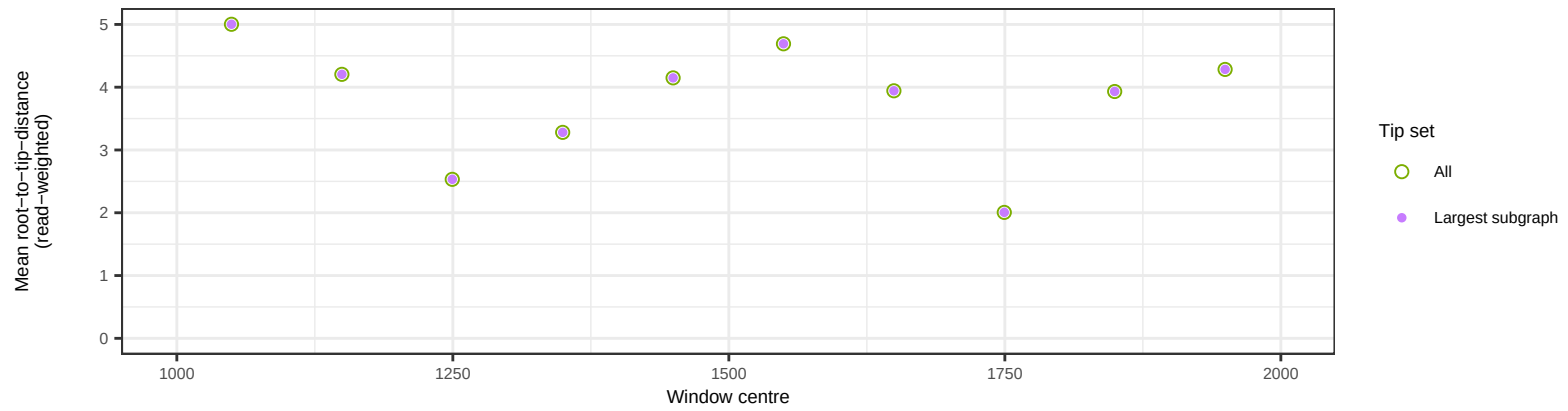

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
0.2
0.1
0.0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
0.25
0.20
0.15
0.10
0.05
0.00
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
1

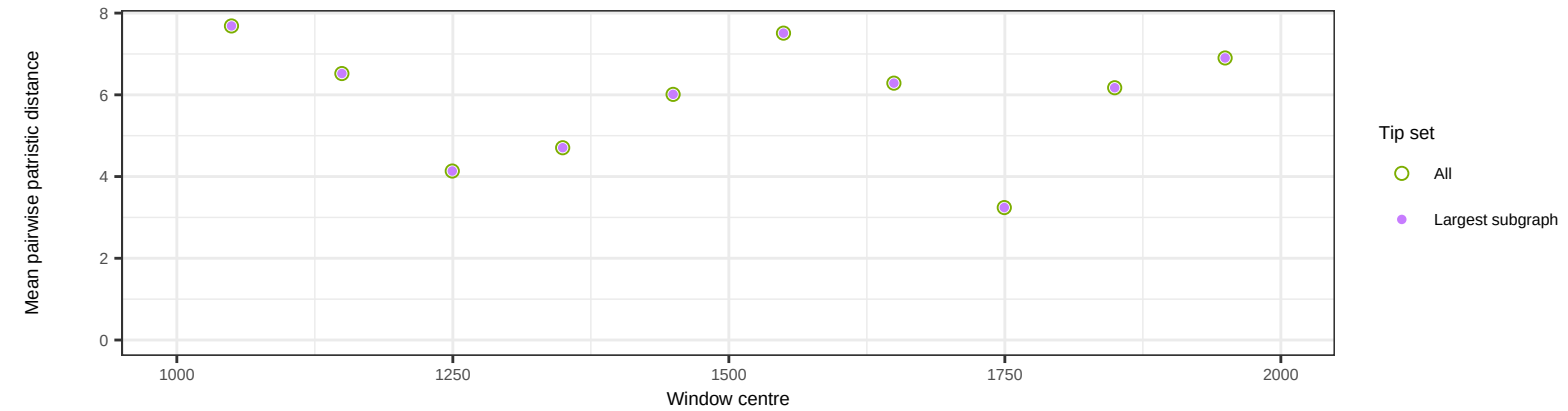

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
2
1
0
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
6
4
2
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
7.5
5.0
2.5
0.0
Proportion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

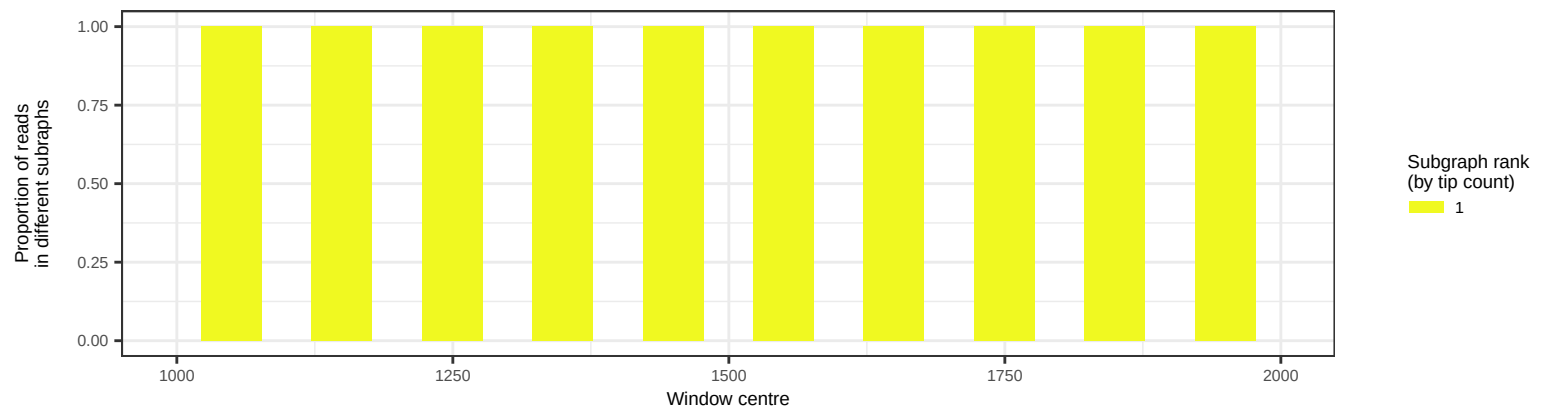

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
2
1
0
Variable
Clades
Subgraphs
Mean root−to−tip−distance
(read−weighted)
3
2
1
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
4
3
2
1
0
Tip set
All
Largest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

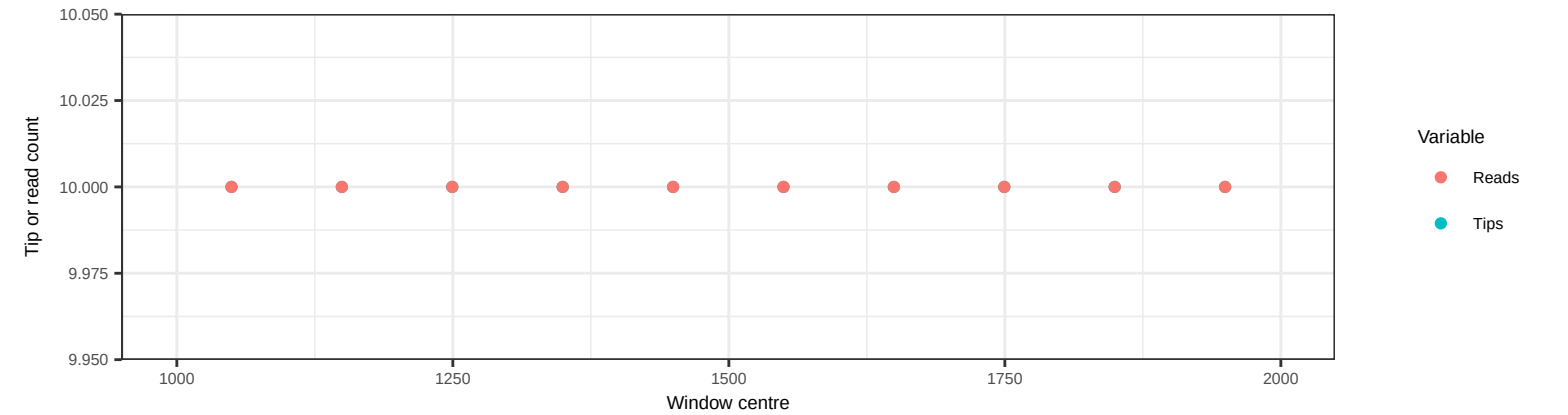

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

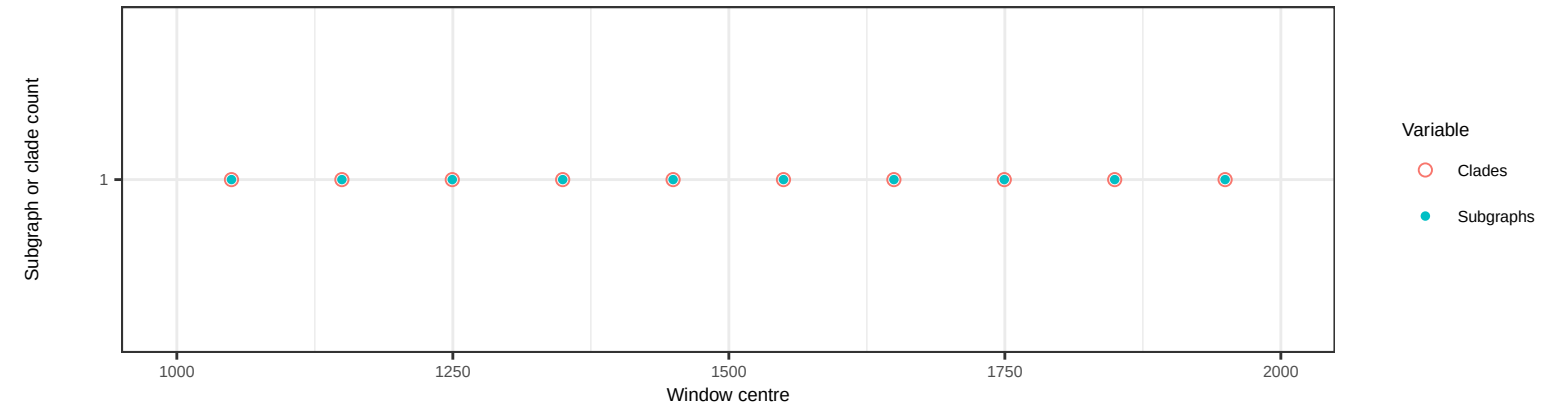

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

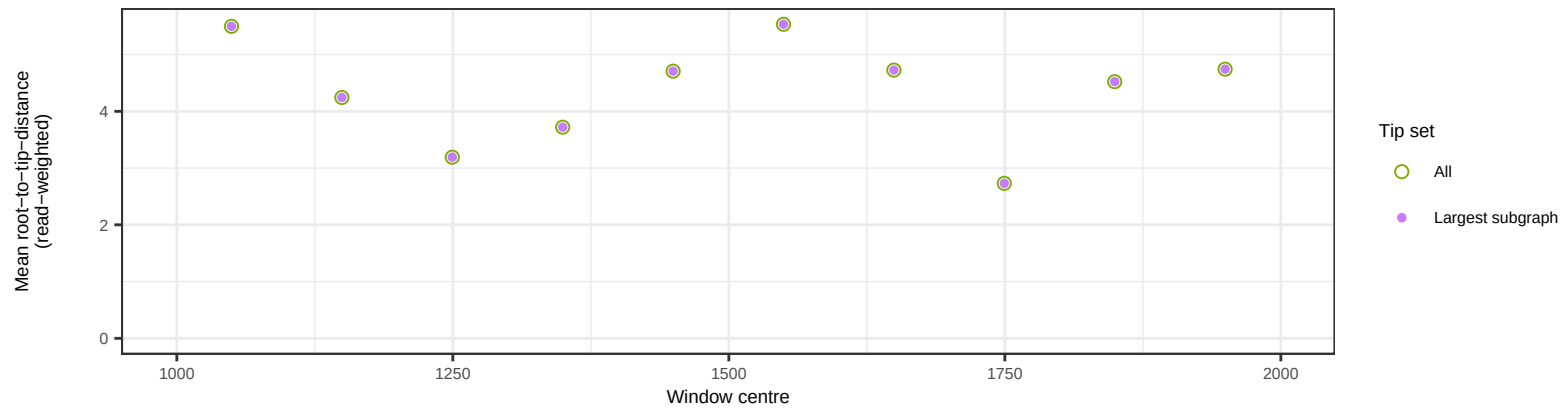

Mean root−to−tip−distance
(read−weighted)
5
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

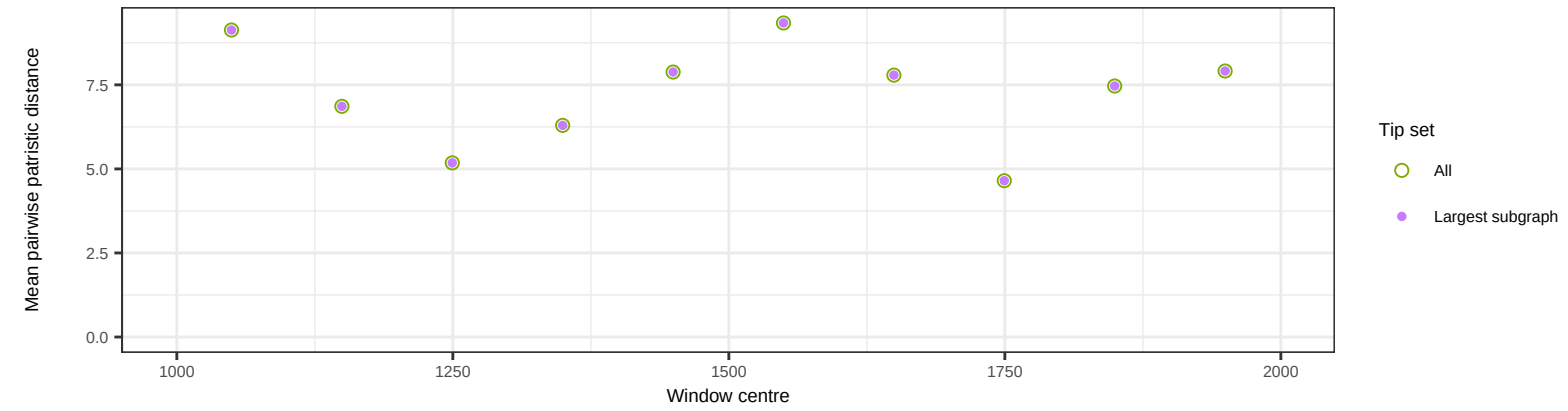

Mean pairwise patristic distance
8
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

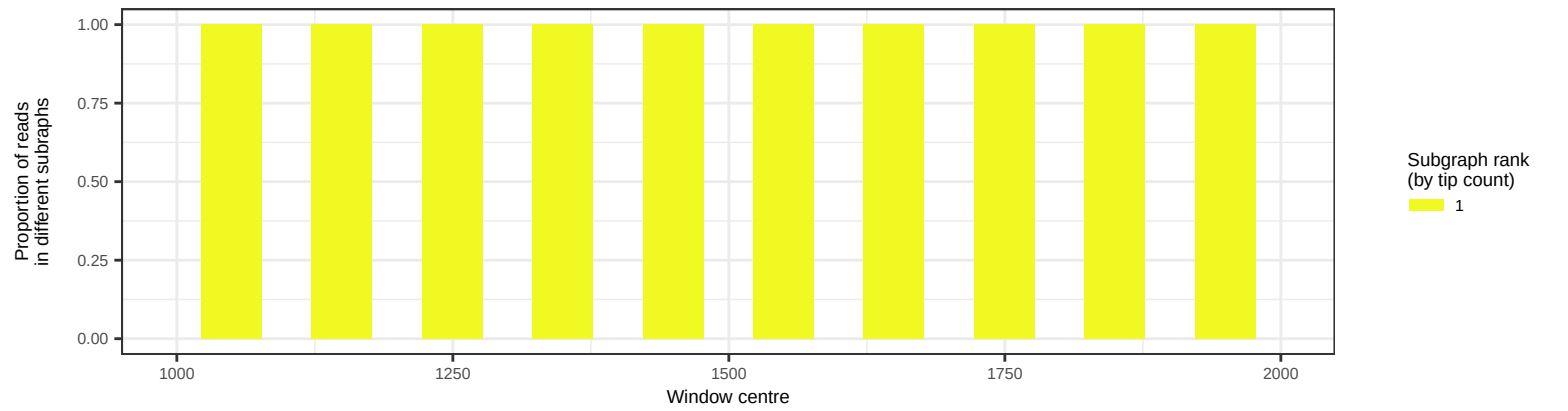

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1


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

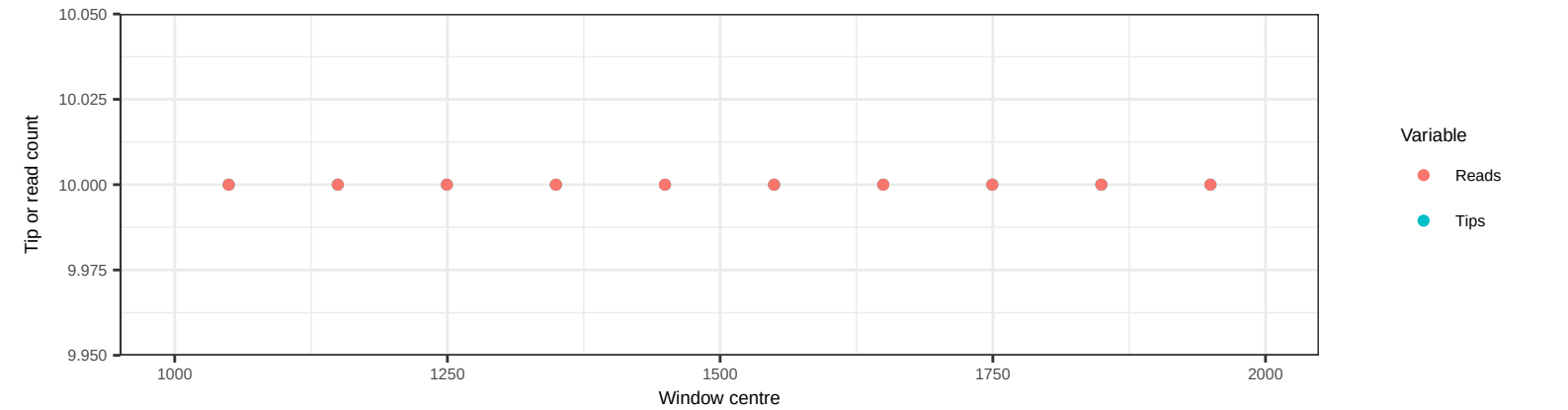

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

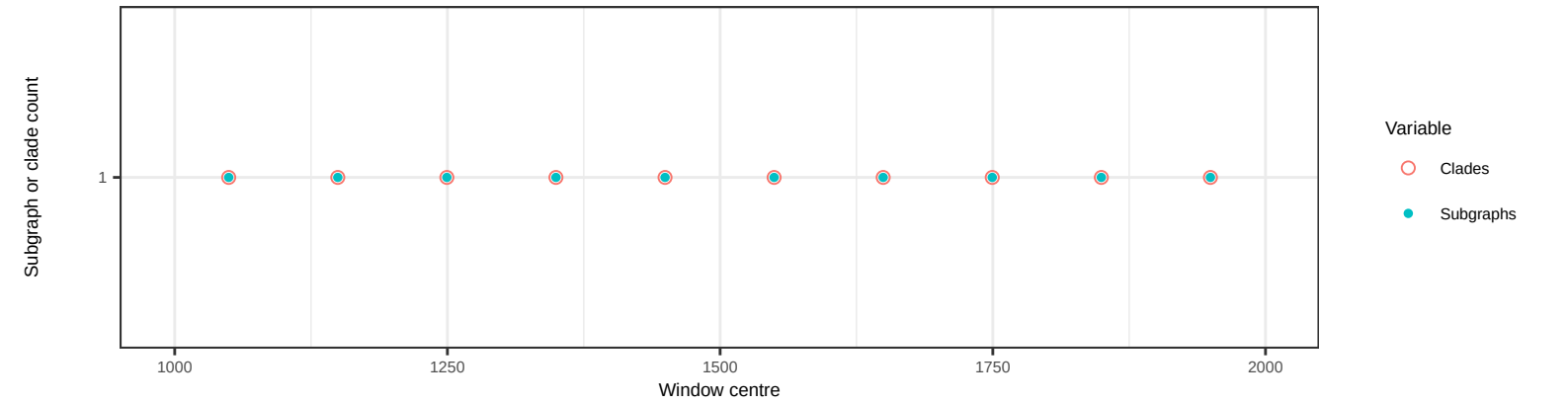

Mean root−to−tip−distance
(read−weighted)
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

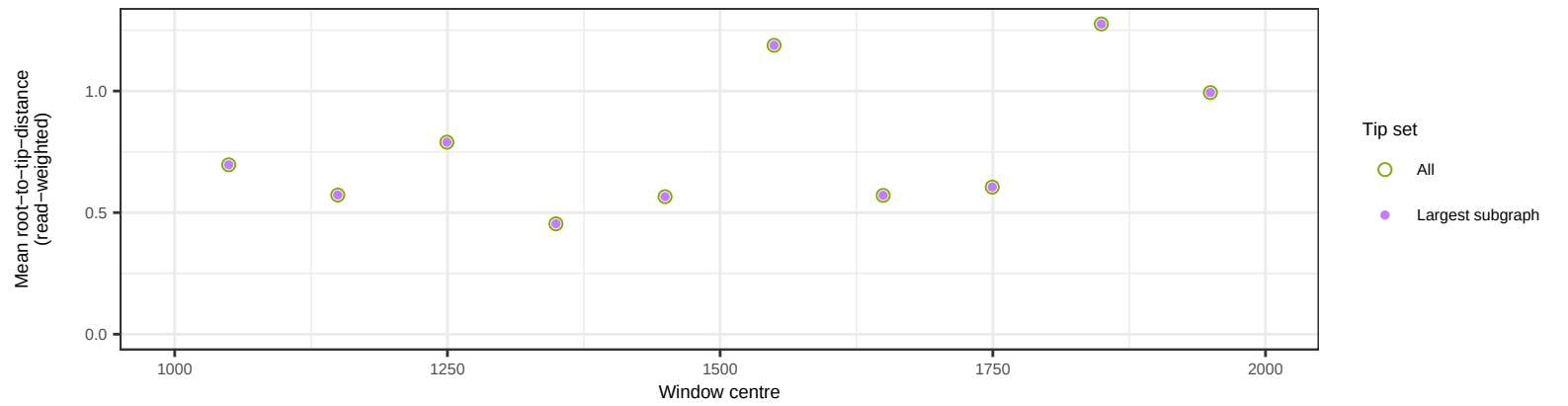

Mean pairwise patristic distance
7.5
5.0
2.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

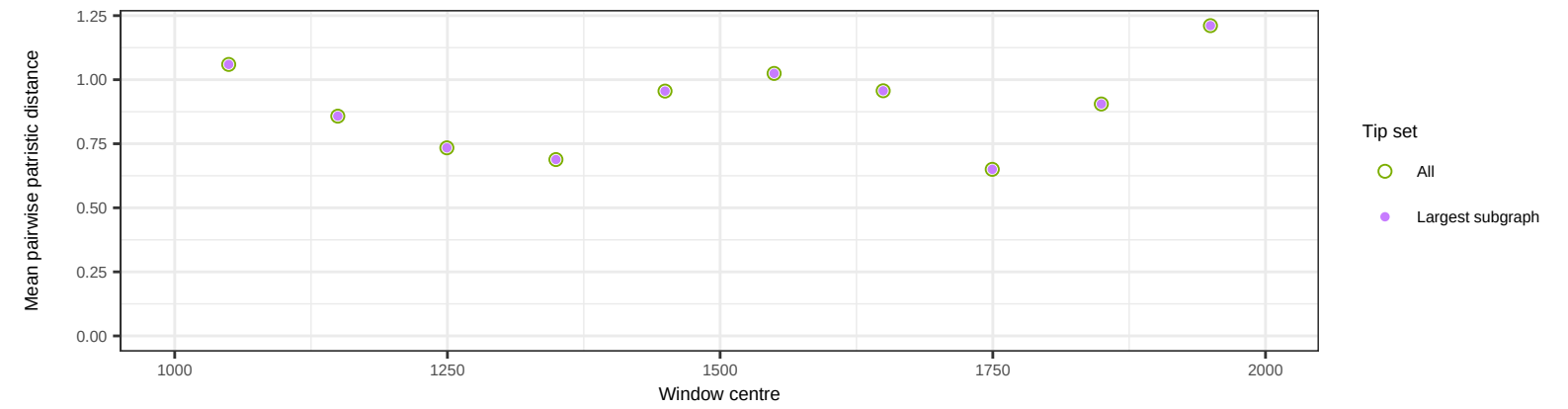

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

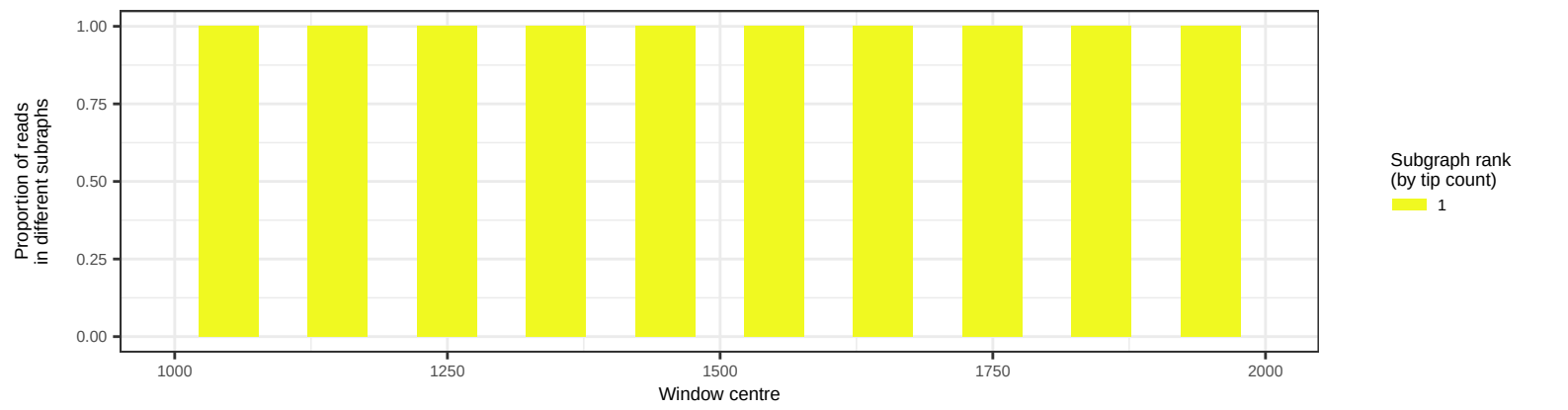
300

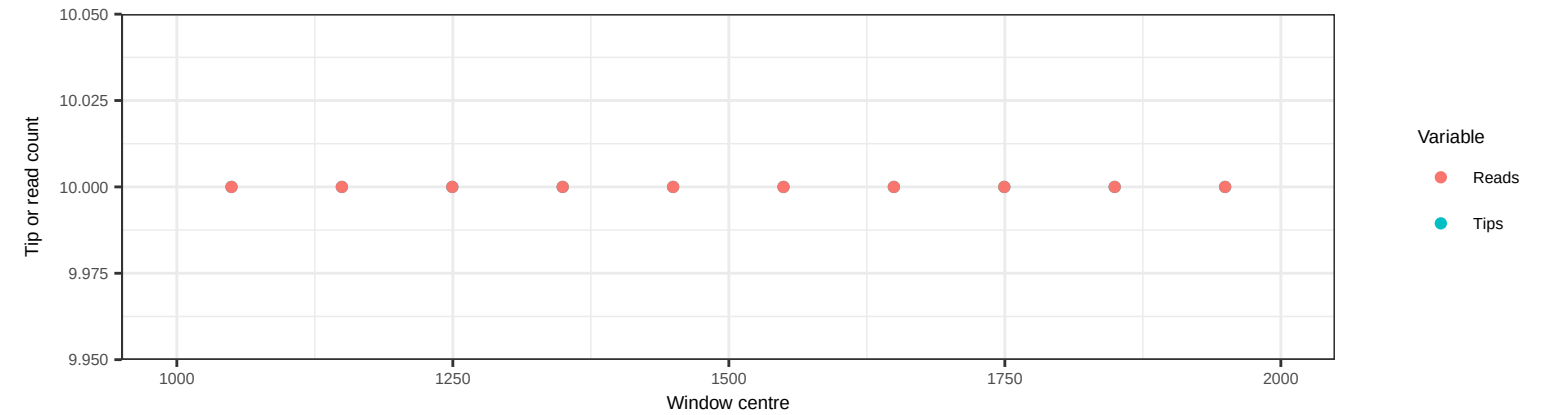

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

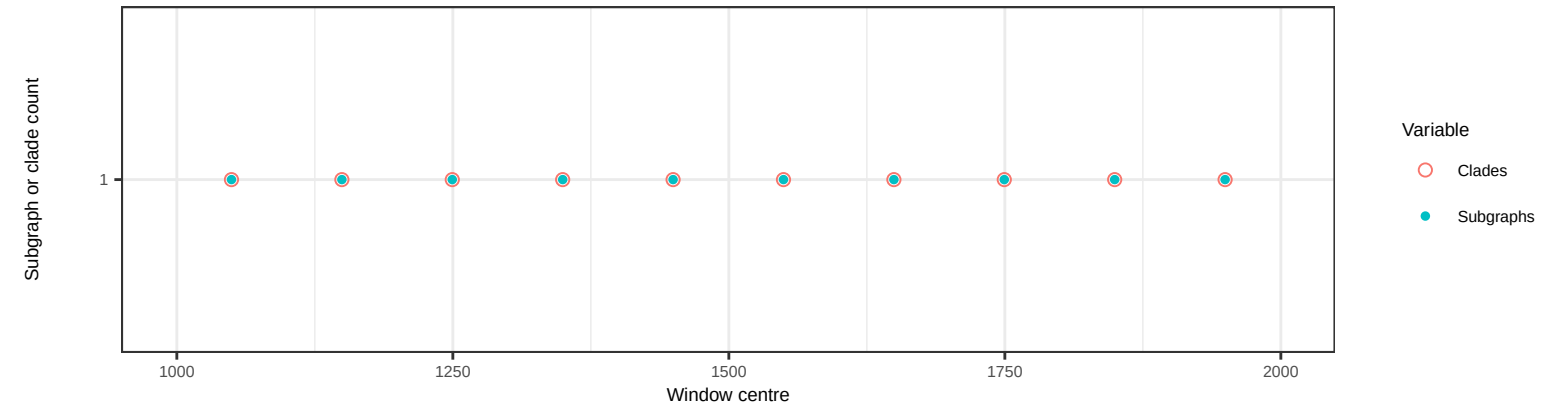

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

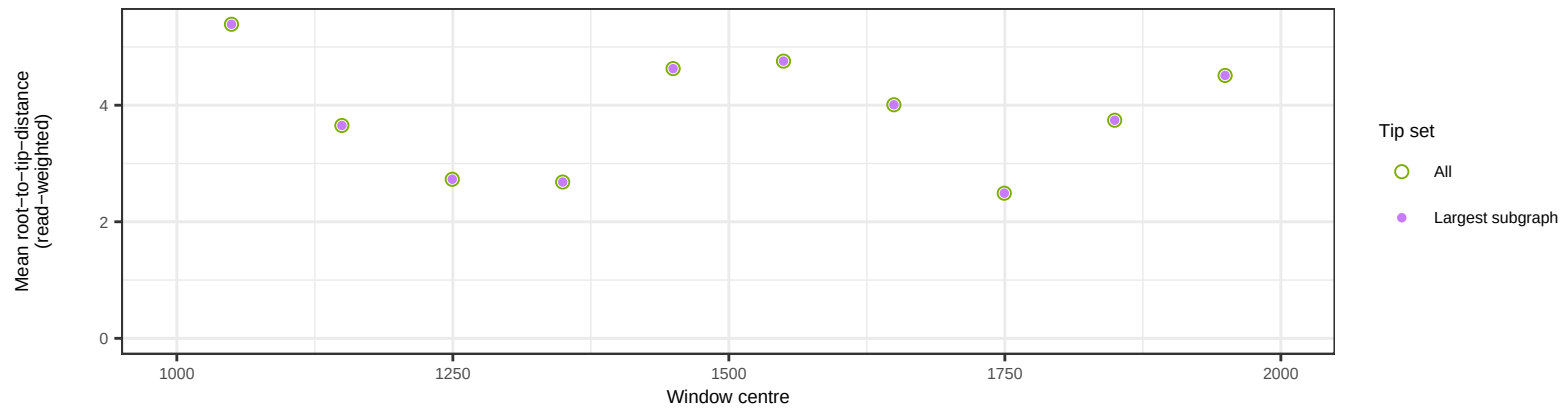

Mean root−to−tip−distance
(read−weighted)
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

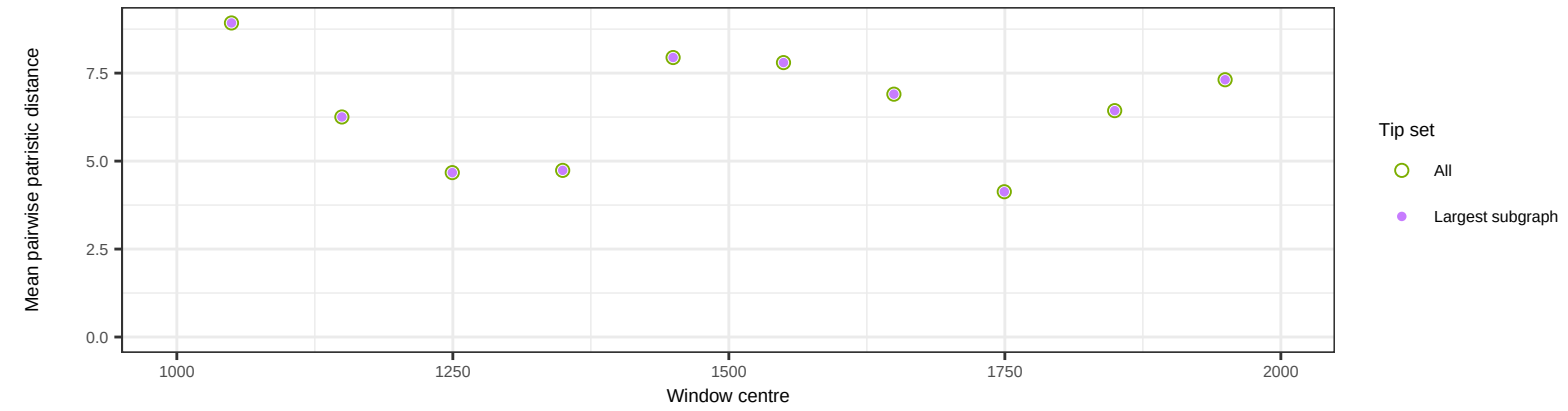

Mean pairwise patristic distance
1.25
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

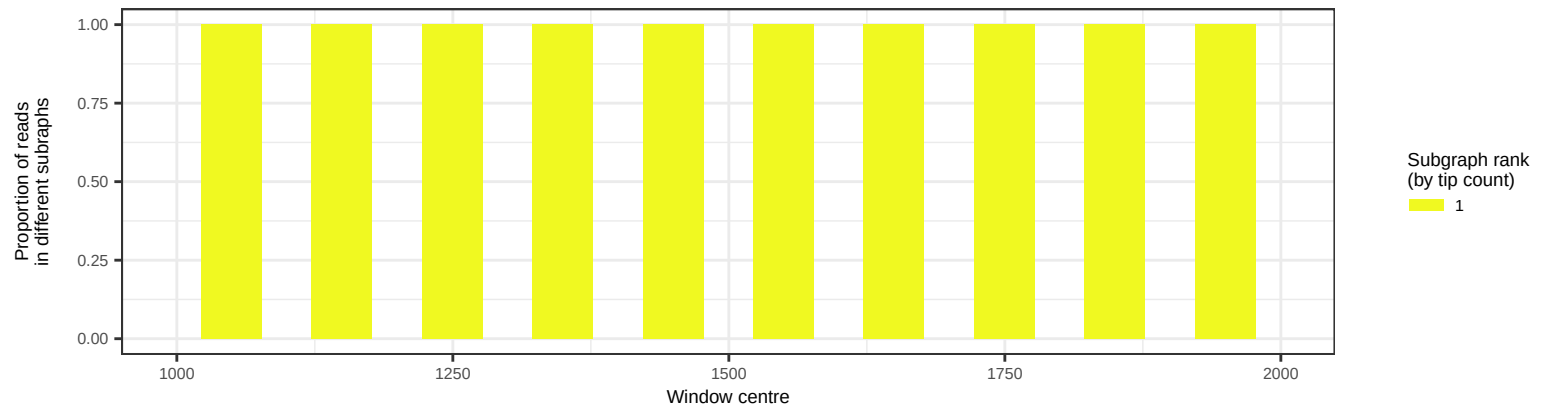

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1


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

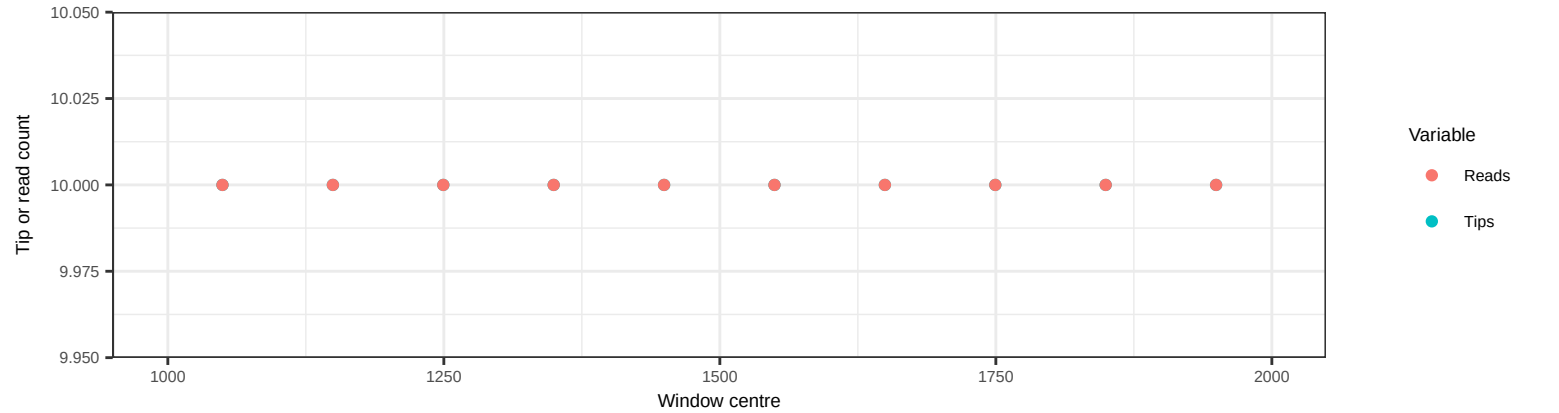

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

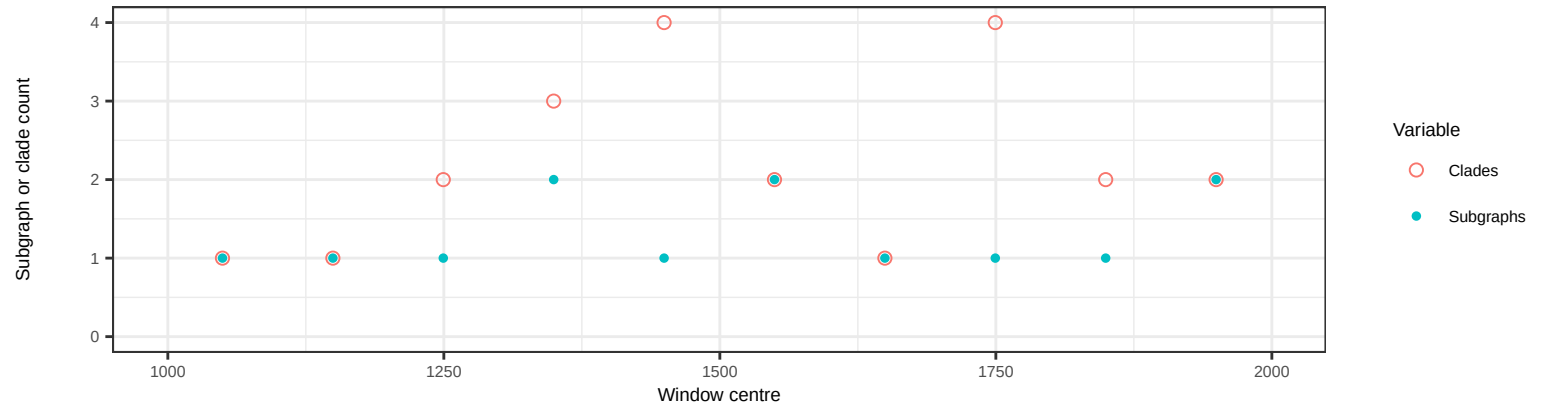

Mean root−to−tip−distance
(read−weighted)
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

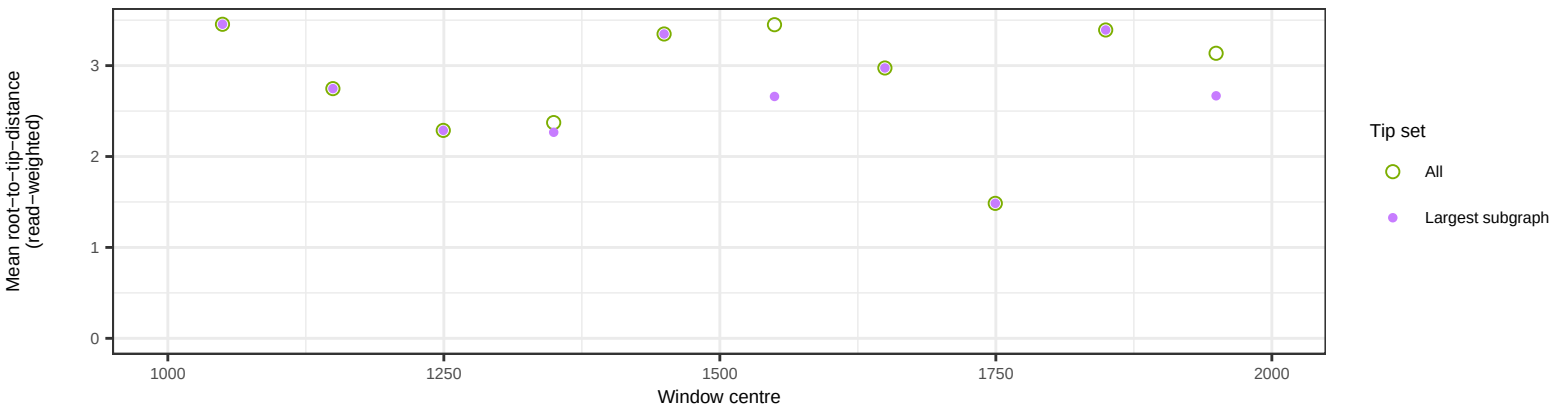

Mean pairwise patristic distance
7.5
5.0
2.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

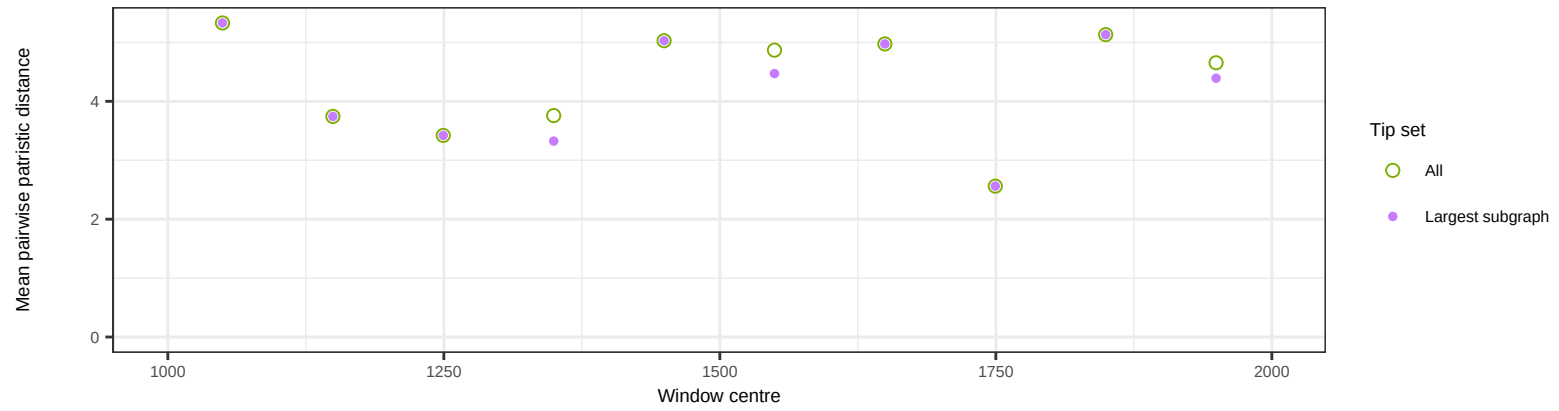

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

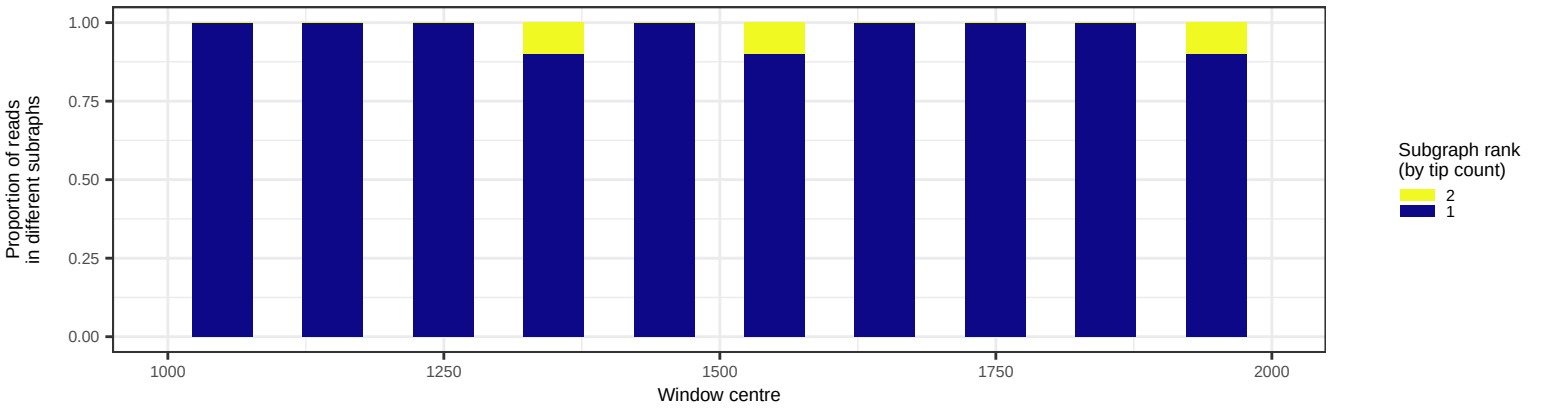
350

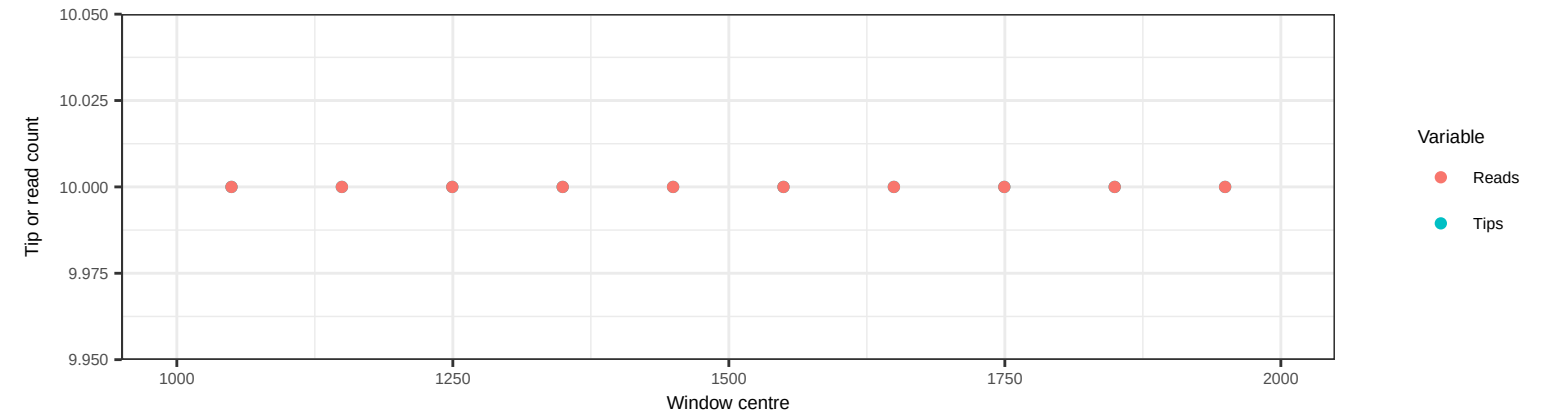

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

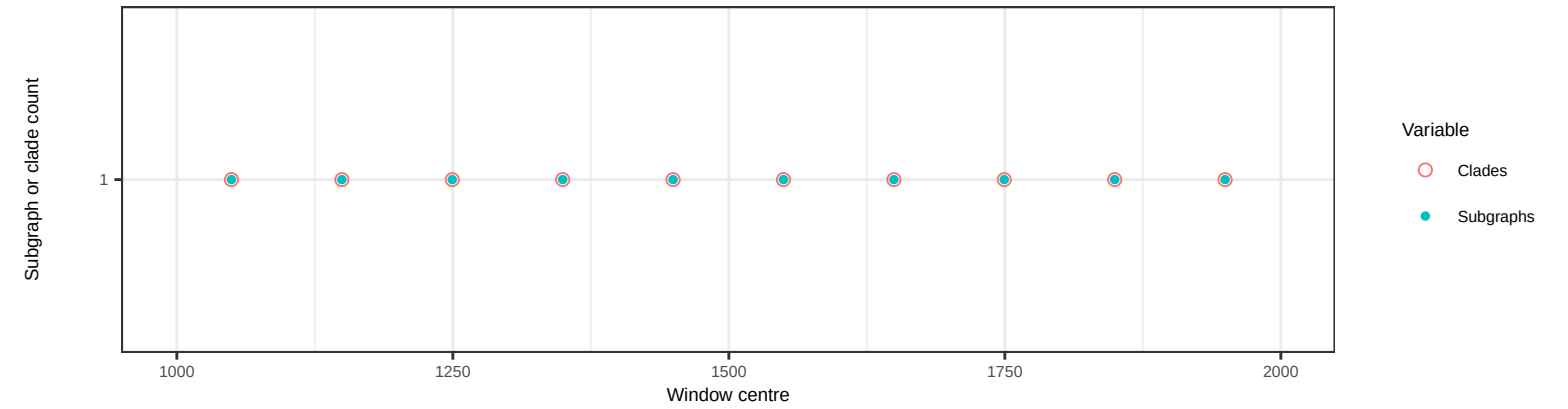

Subgraph or clade count
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

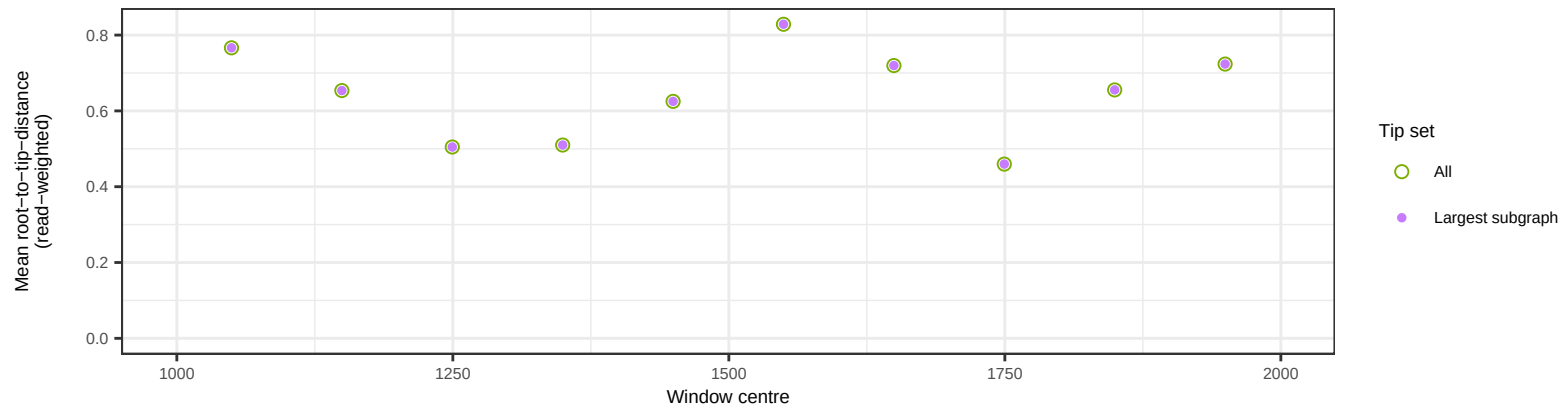

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

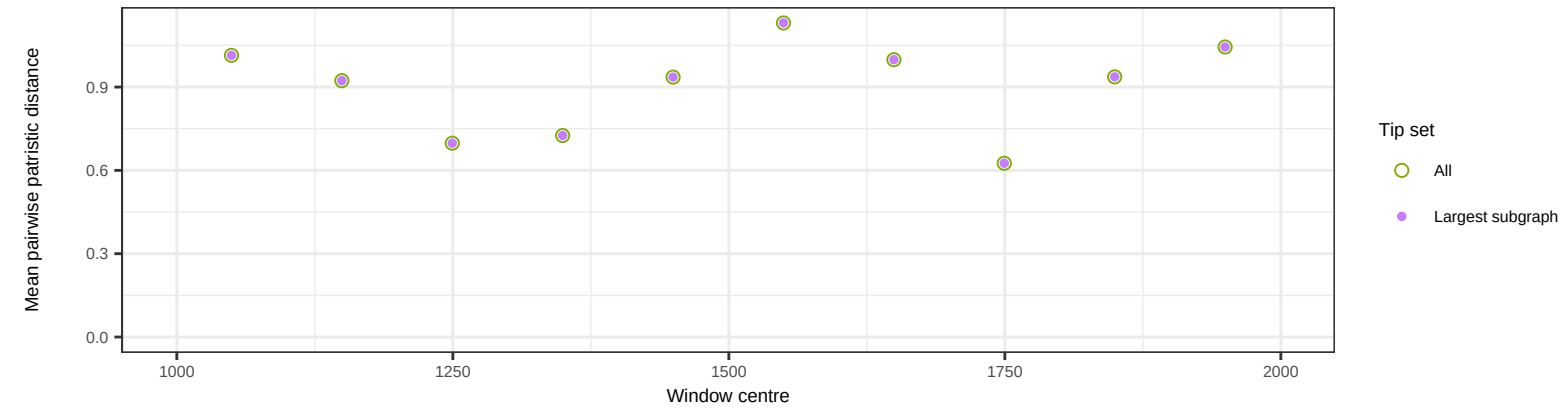

Mean pairwise patristic distance
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

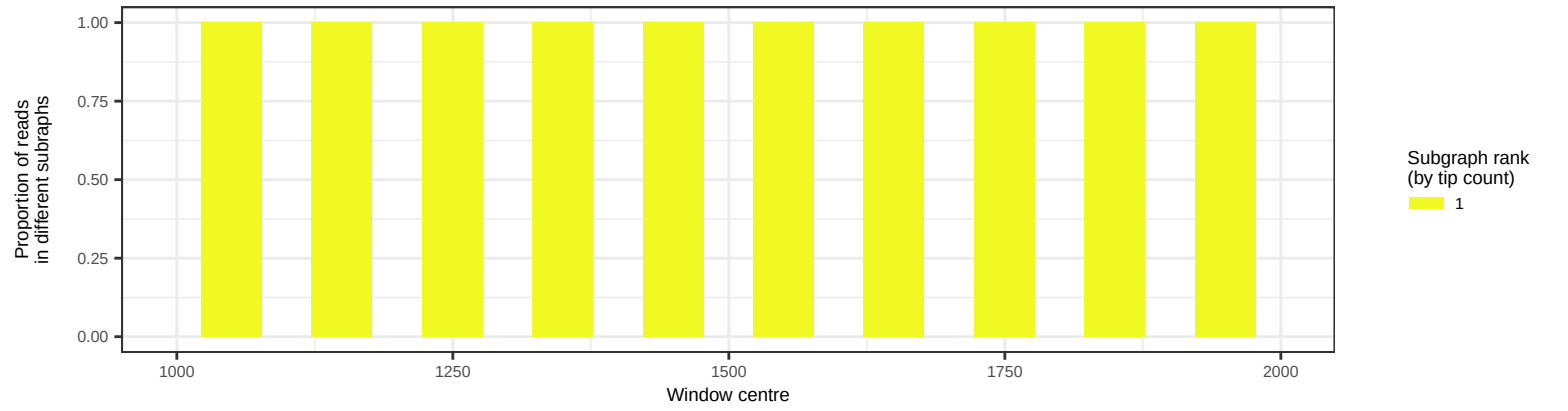

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
2
1

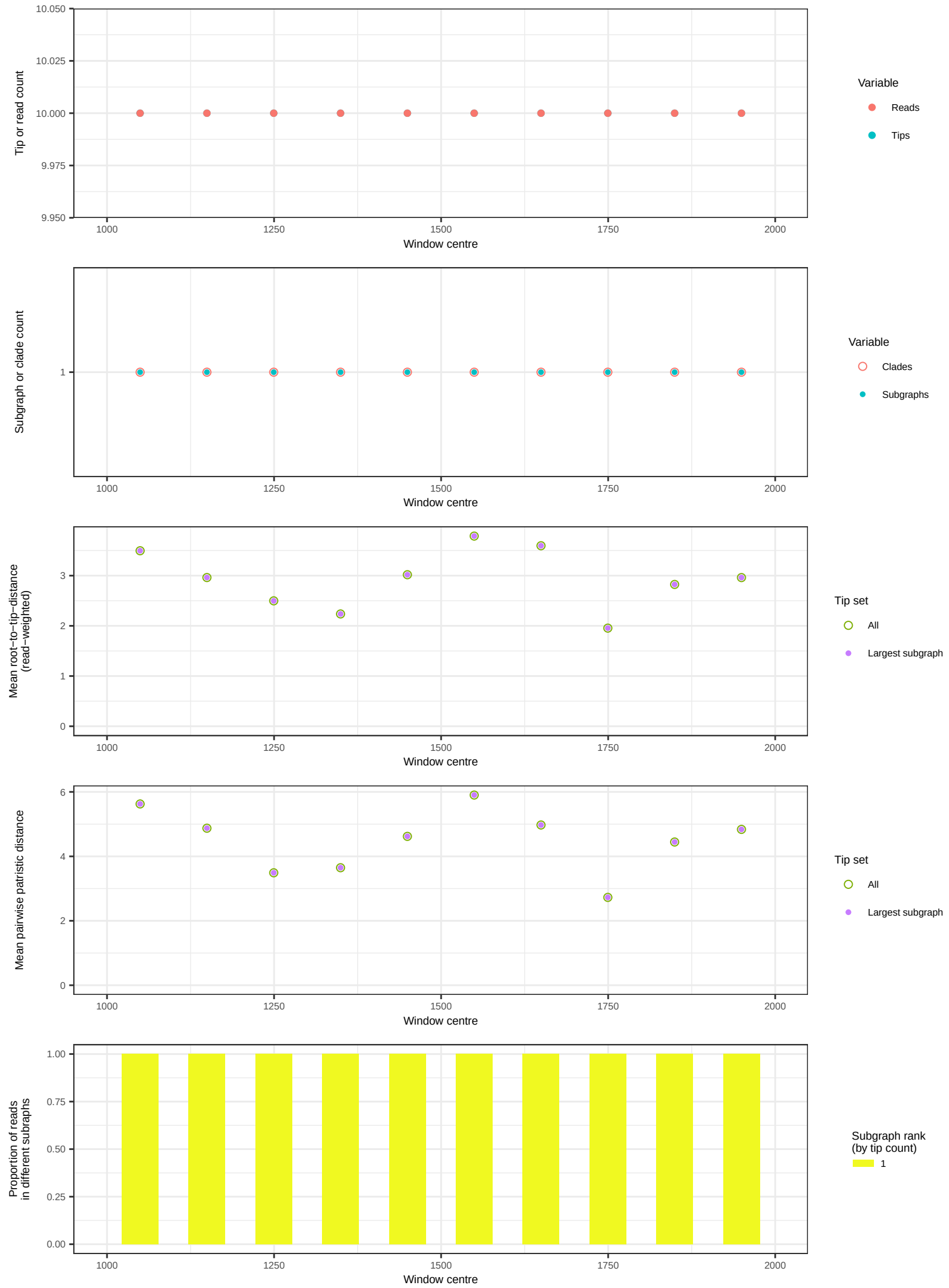

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

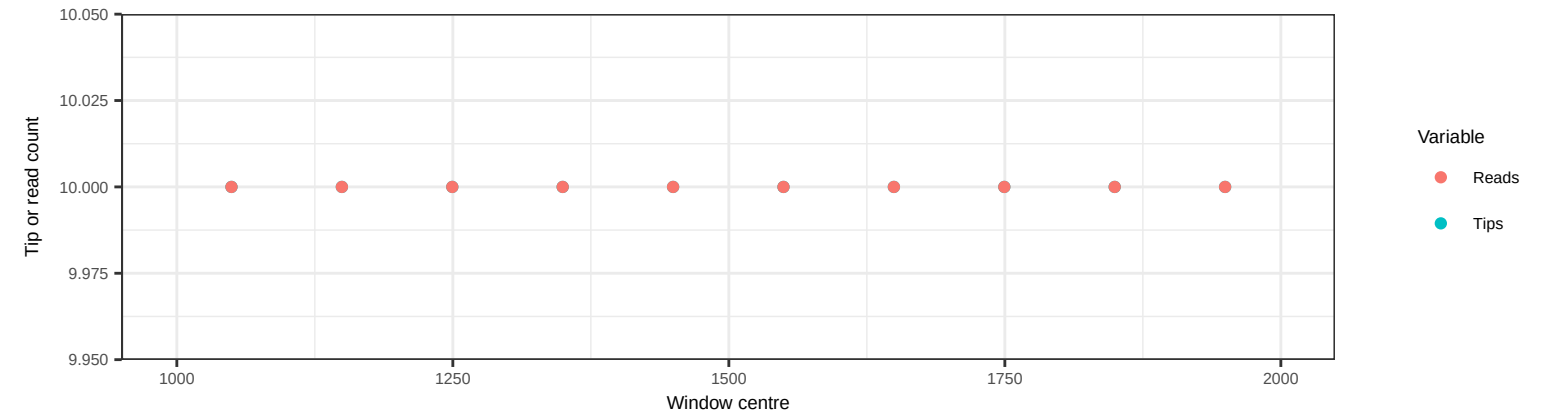

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

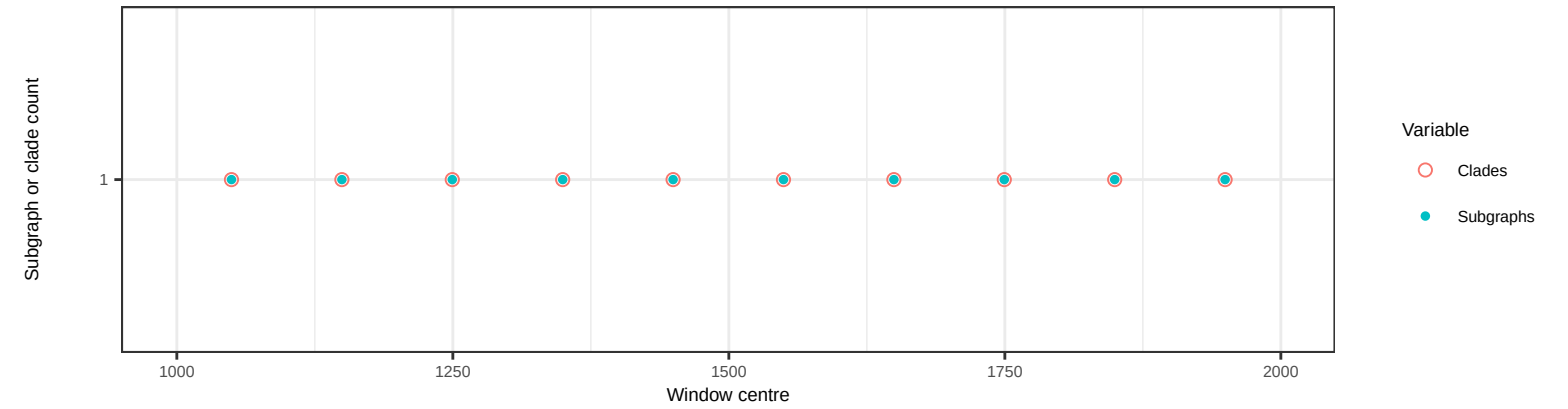

Mean root−to−tip−distance
(read−weighted)
0.8
0.6
0.4
0.2
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

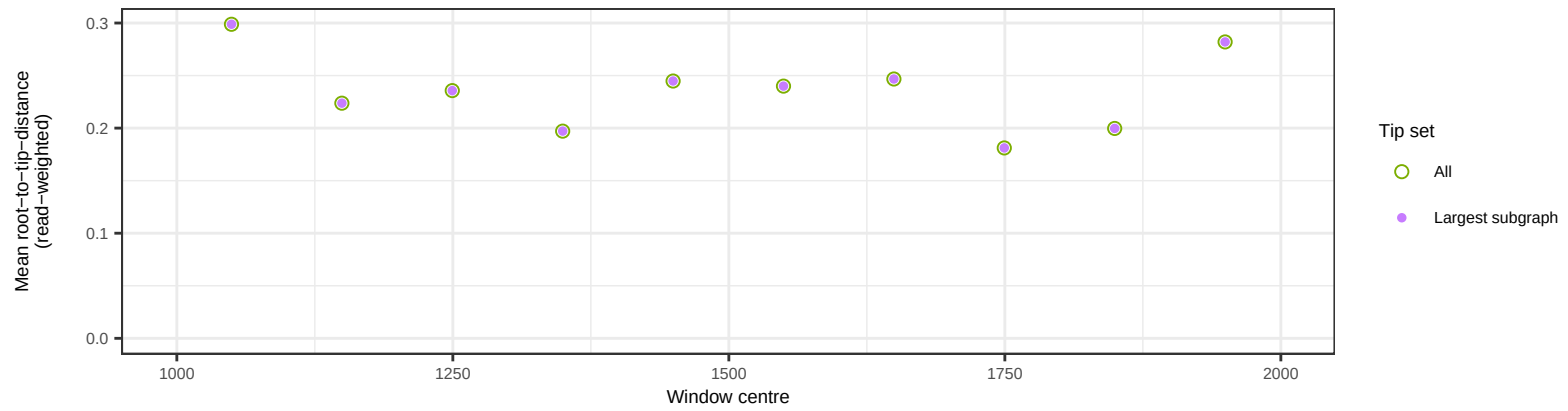

Mean pairwise patristic distance
0.9
0.6
0.3
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

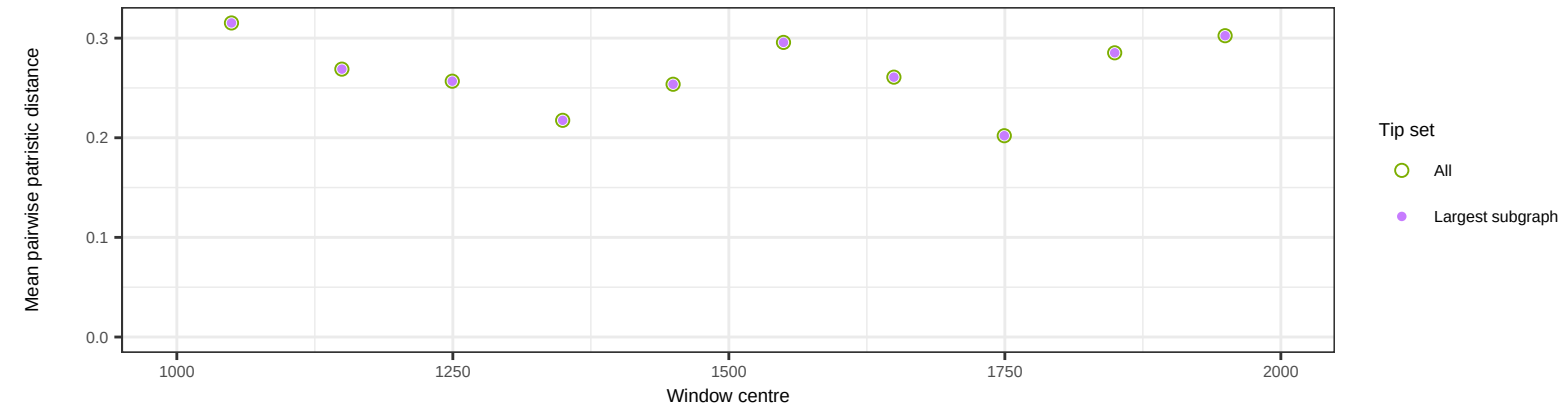

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

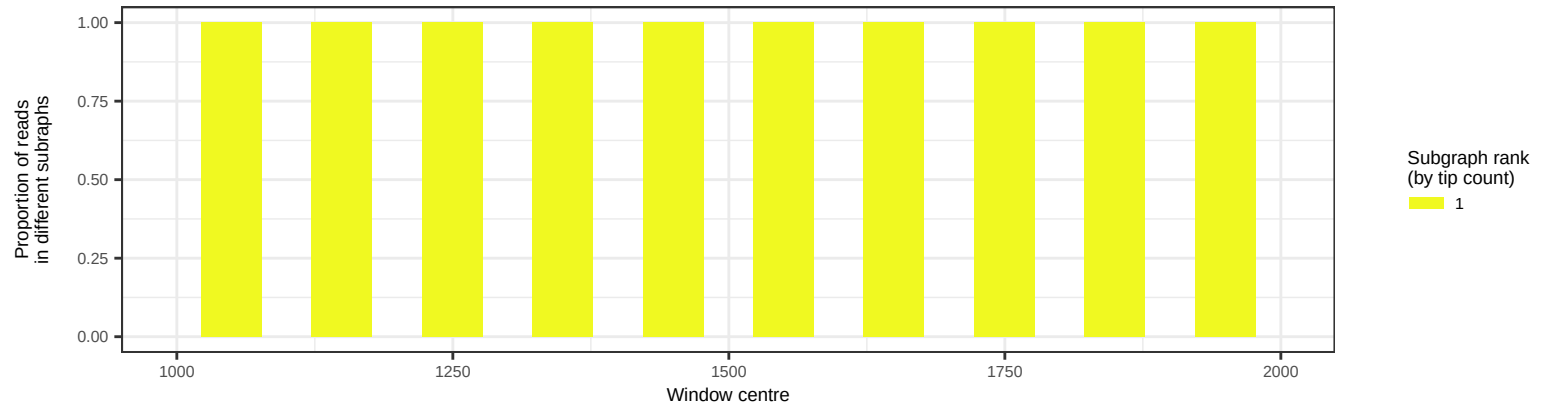

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Window centre
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
0
1
2
3
Window centre
Tip set
All
Largest subgraph
Mean pairwise patristic distance
0
2
4
6
Window centre
Tip set
All
Largest subgraph
Proportion of reads in different subraphs
0.00
0.25
0.50
0.75
1.00
Window centre
Subgraph rank (by tip count)
1

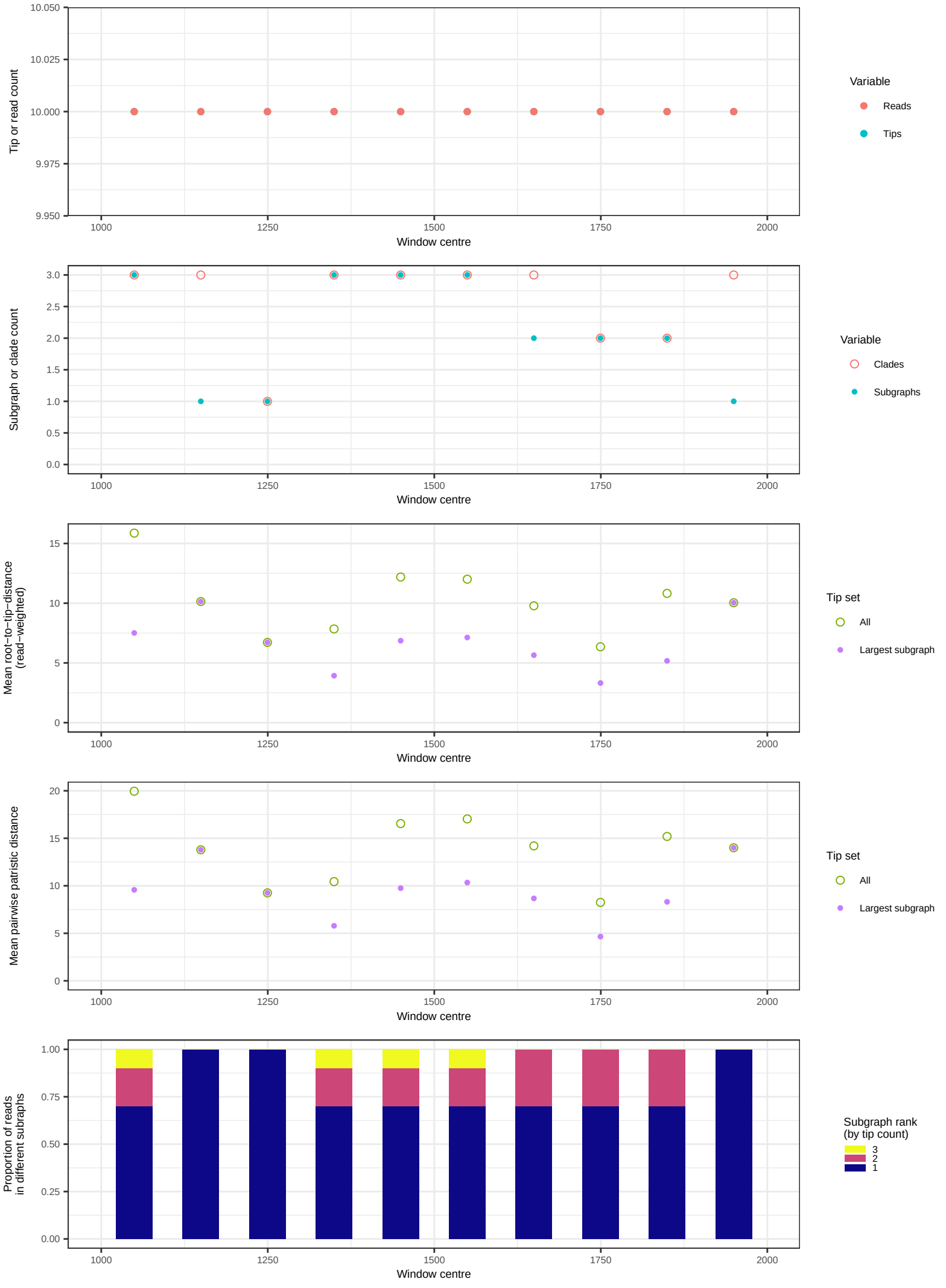

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

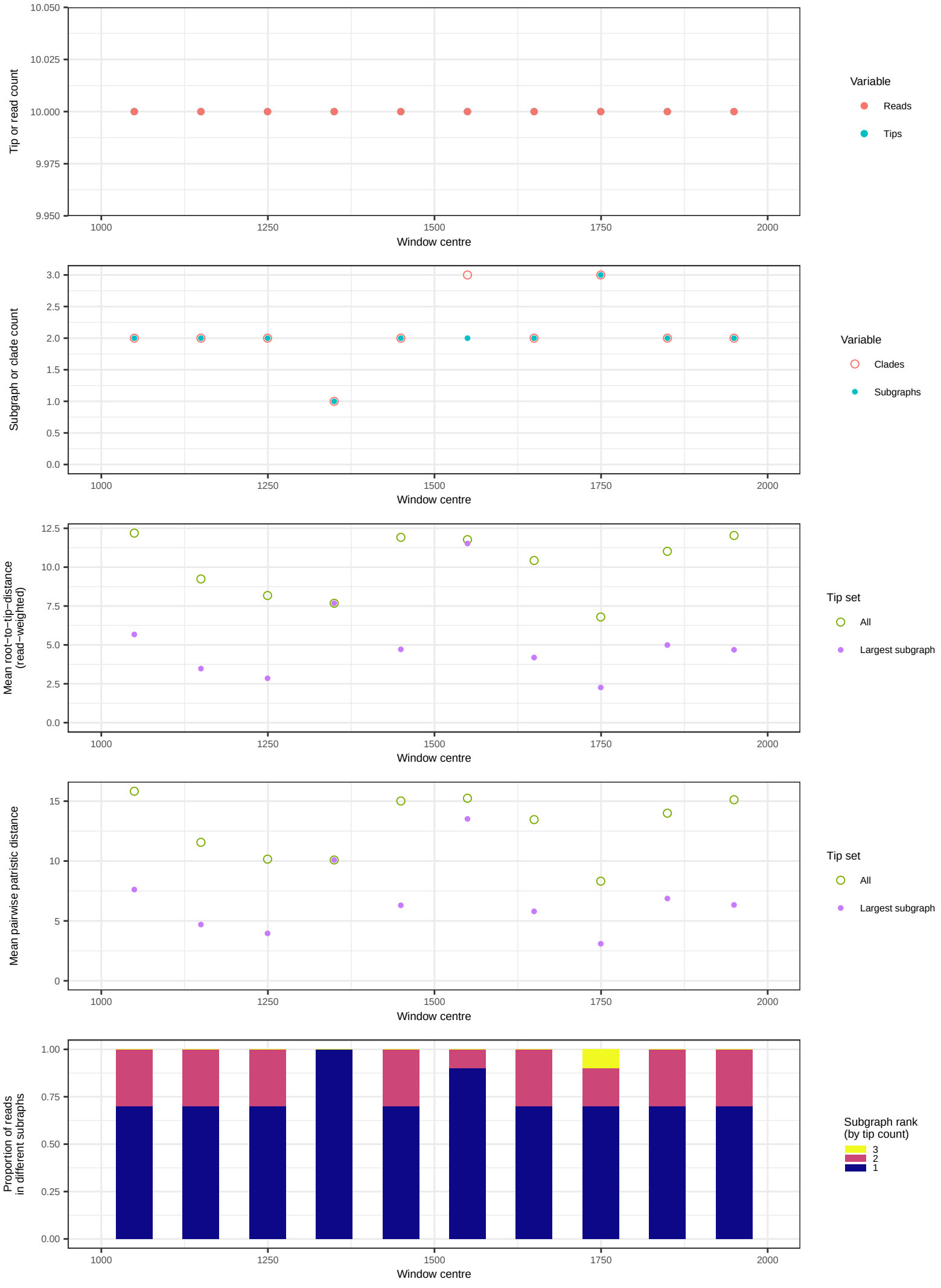

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

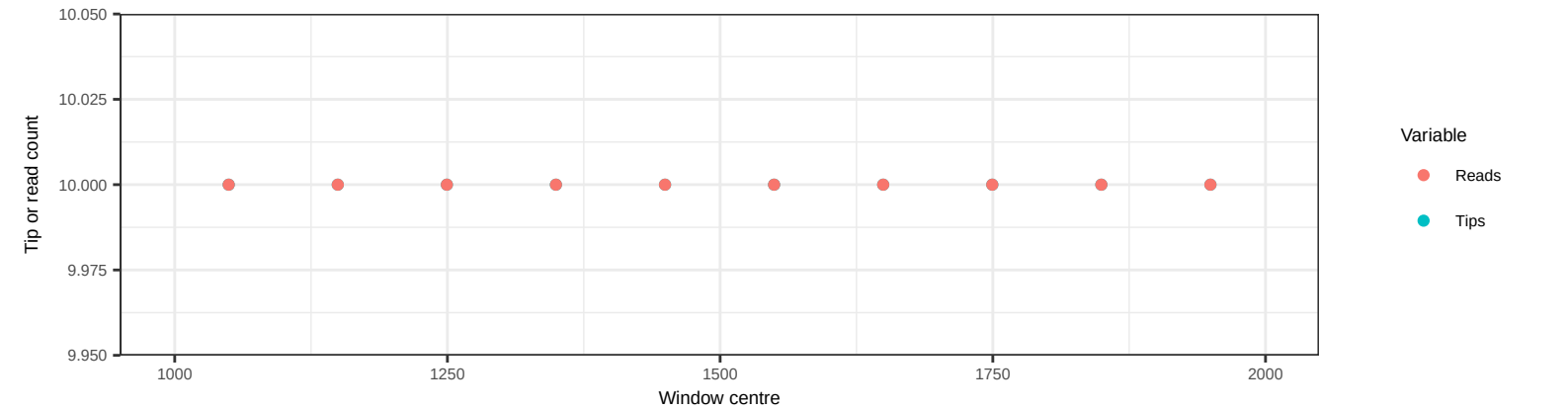

Mean root−to−tip−distance
(read−weighted)
0.3
0.2
0.1
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

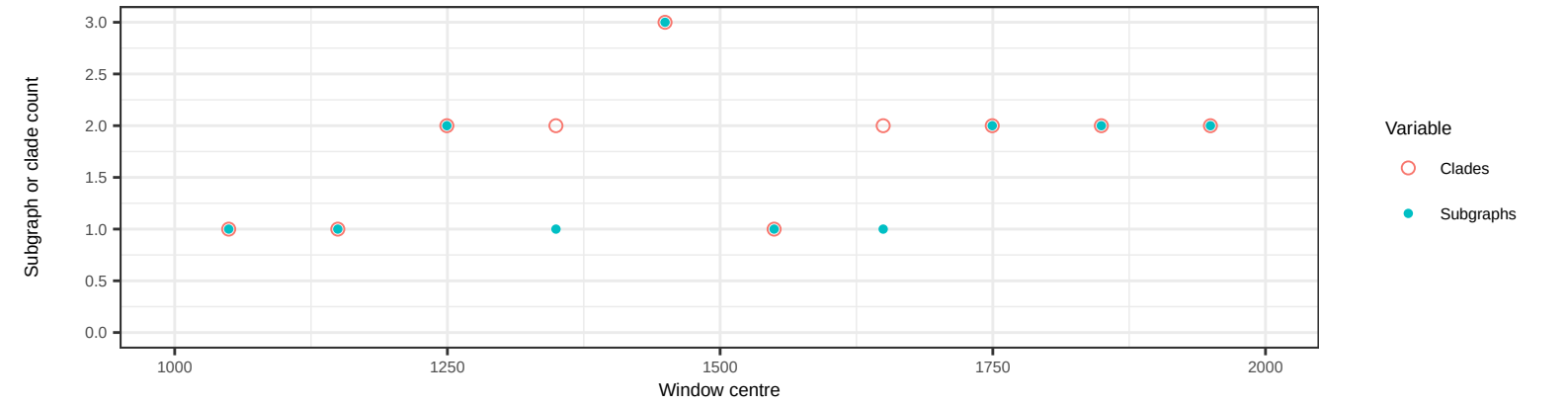

Mean pairwise patristic distance
0.3
0.2
0.1
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

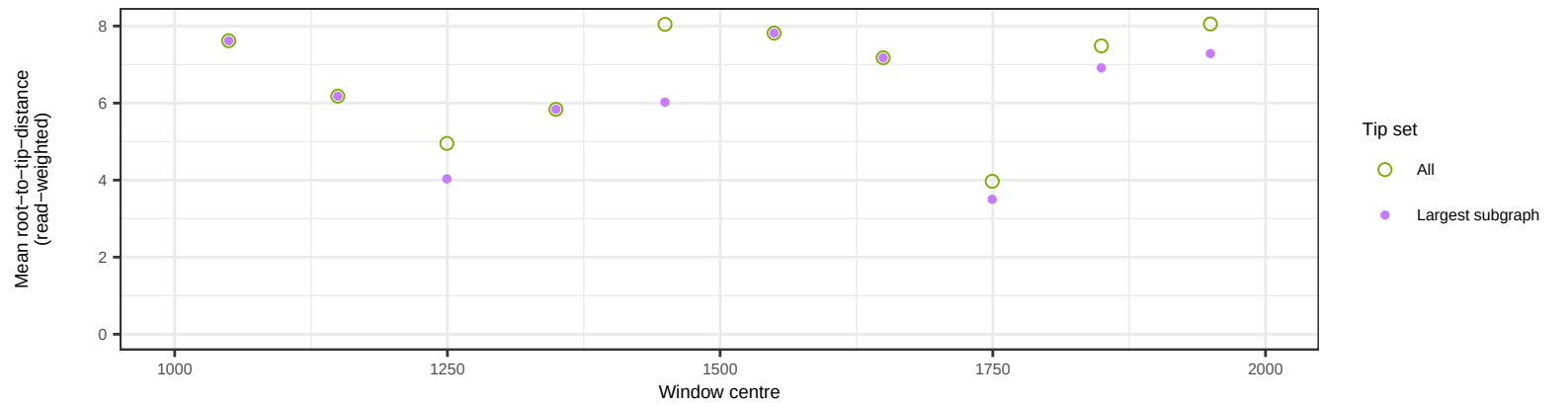

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

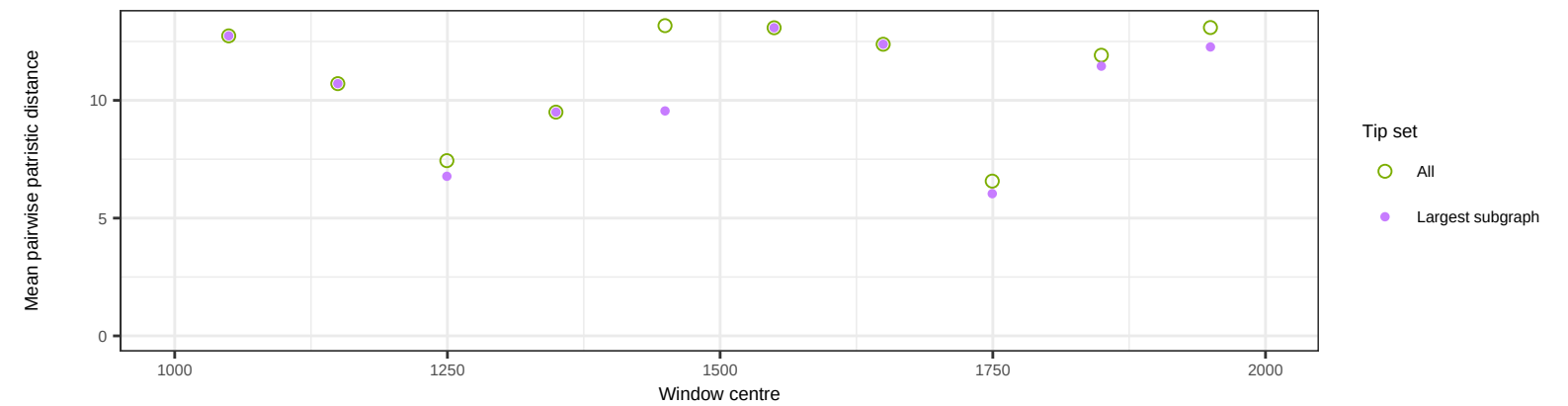

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
15
10
5
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
20
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)
3
2
1

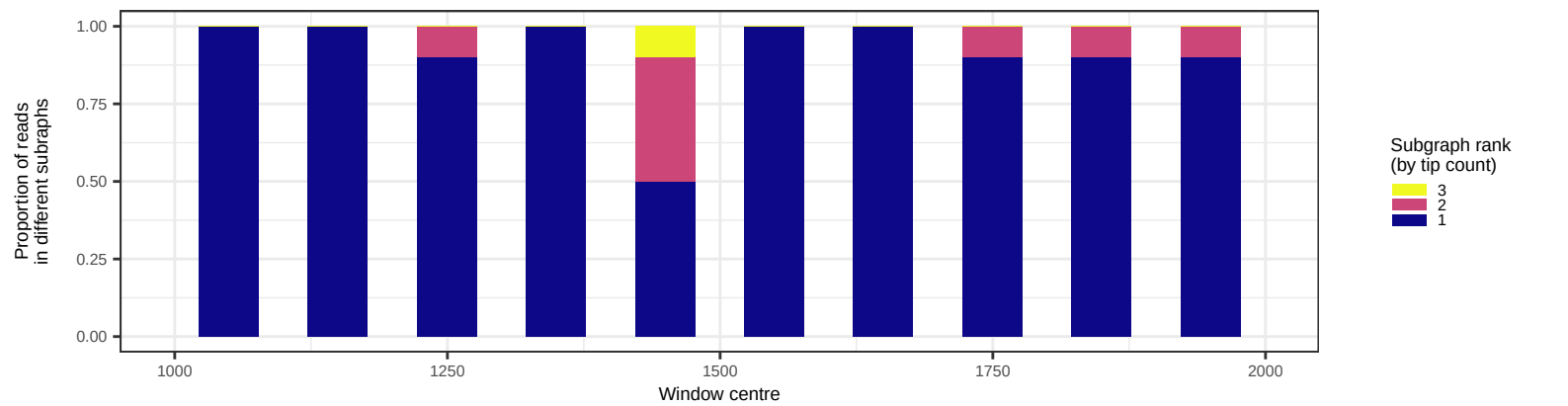

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Window centre
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
12.5
10.0
7.5
5.0
2.5
0.0
Window centre
Tip set
All
Largest subgraph
Mean pairwise patristic distance
15
10
5
0
Window centre
Tip set
All
Largest subgraph
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Window centre
Subgraph rank (by tip count)
3
2
1

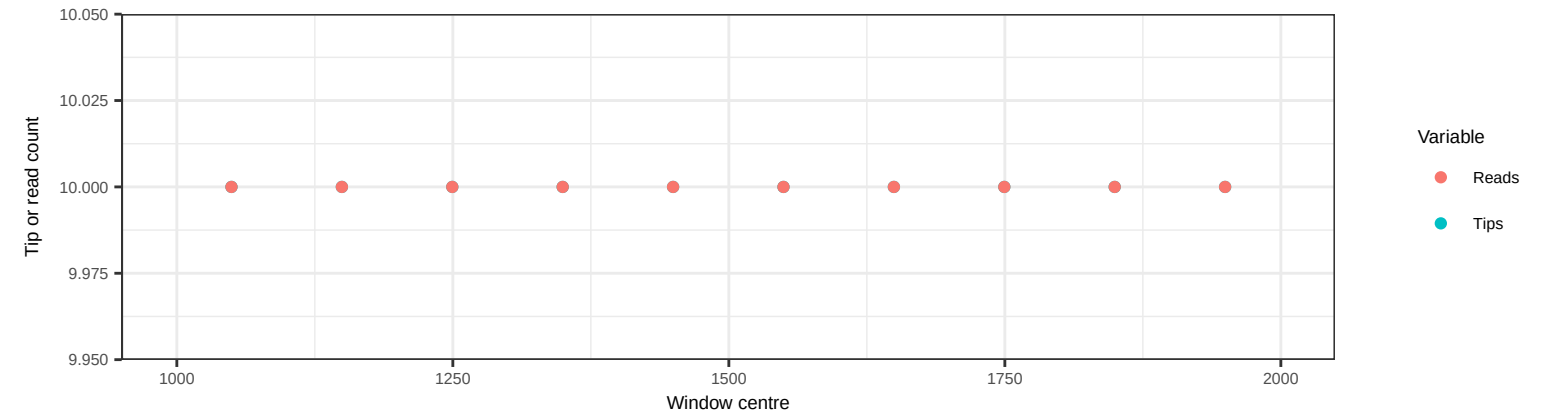

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

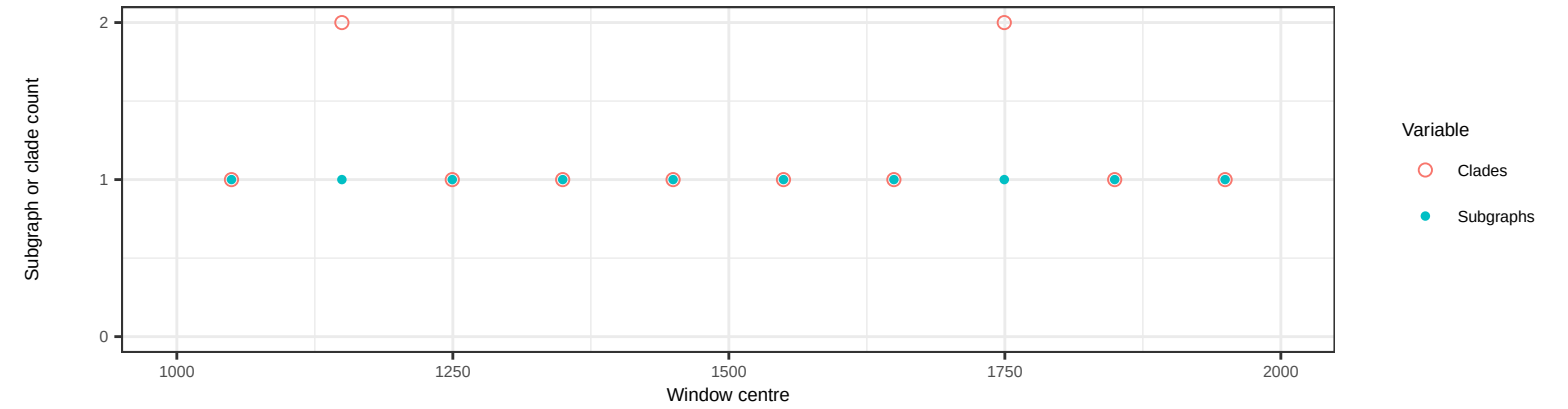

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

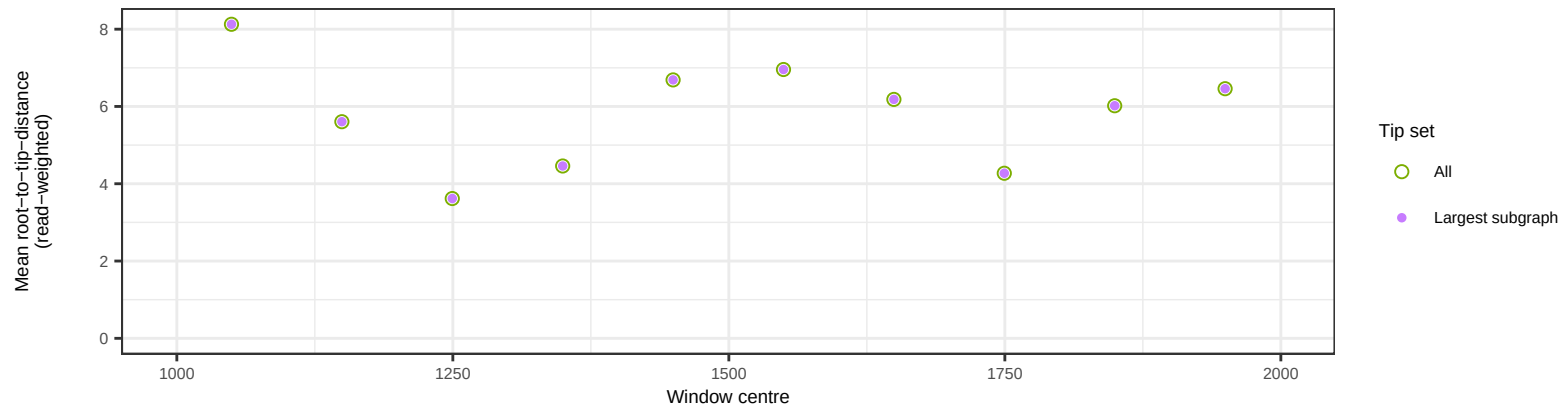

Mean root−to−tip−distance
(read−weighted)
8
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

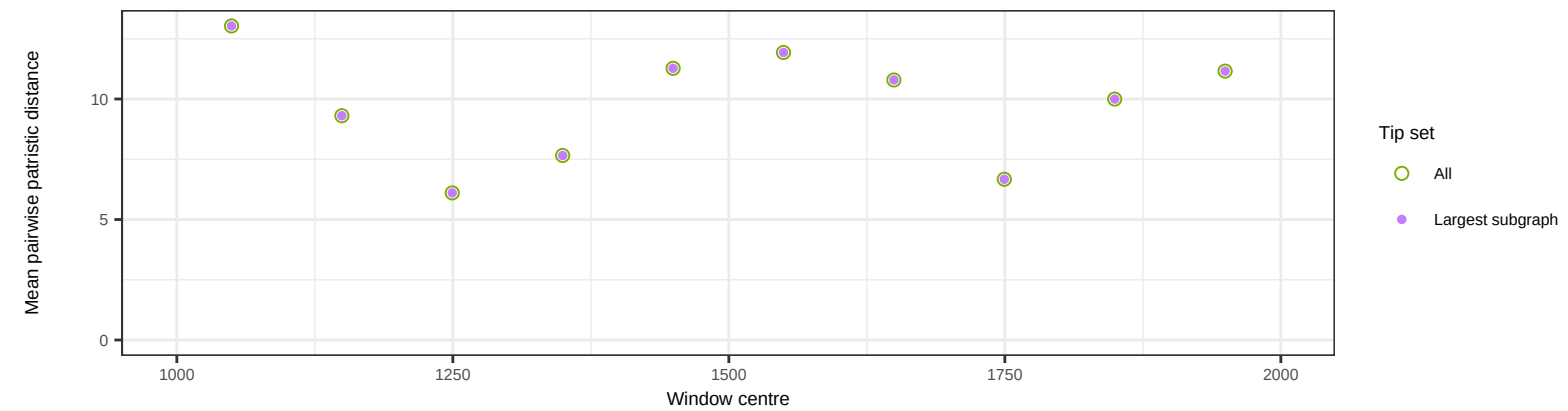

Mean pairwise patristic distance
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

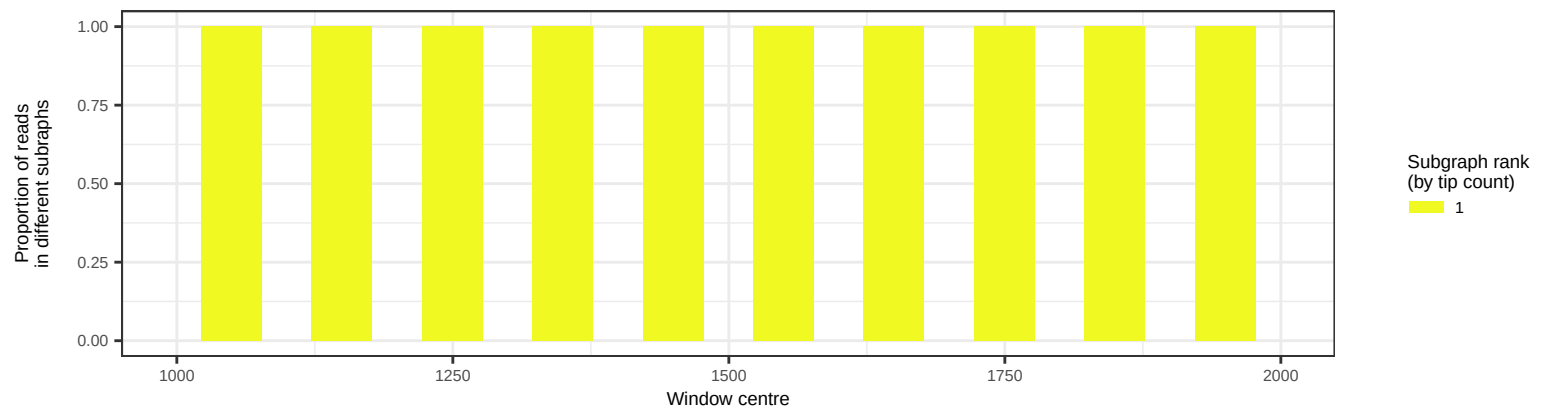

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
3
2
1

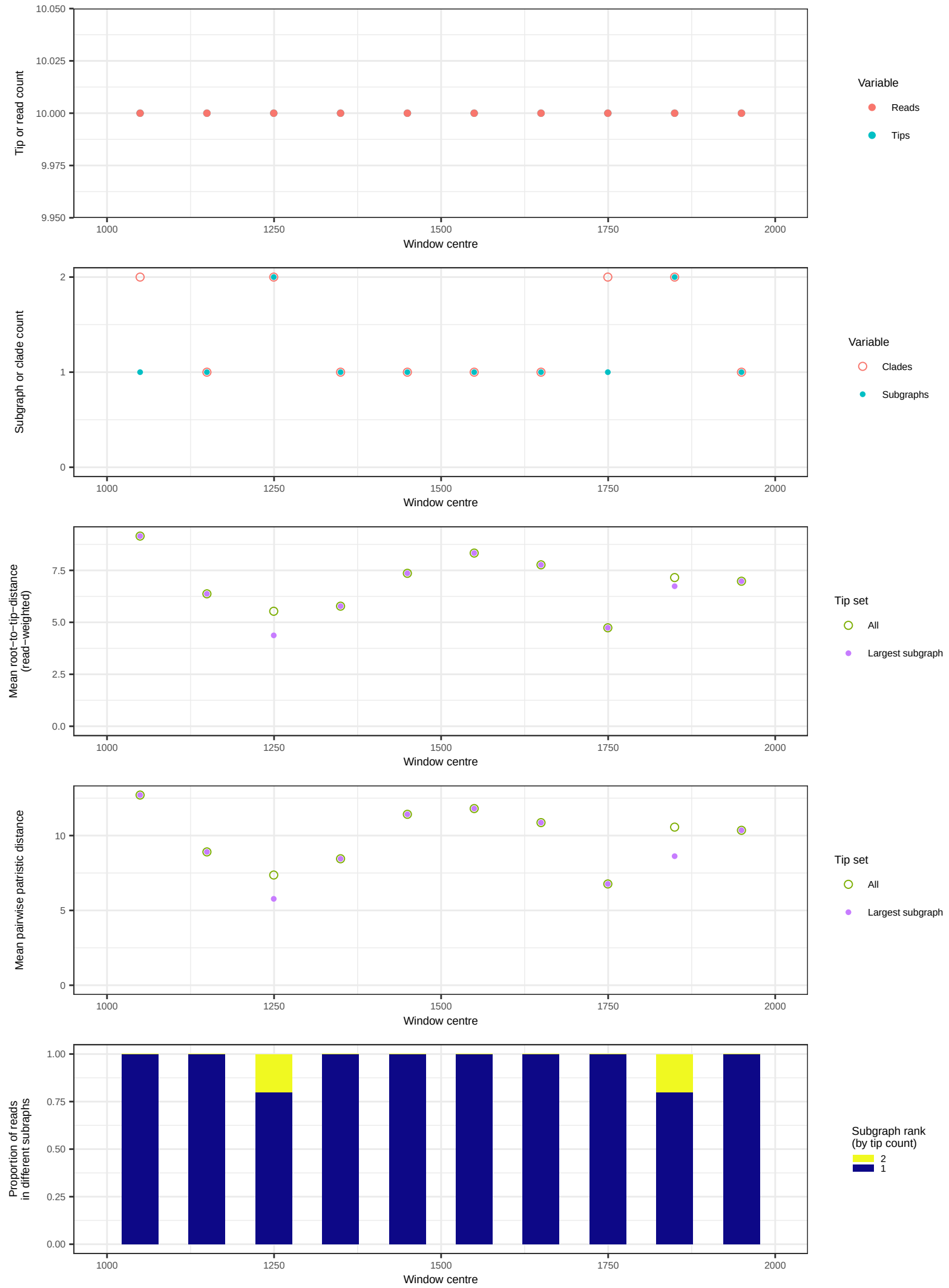

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

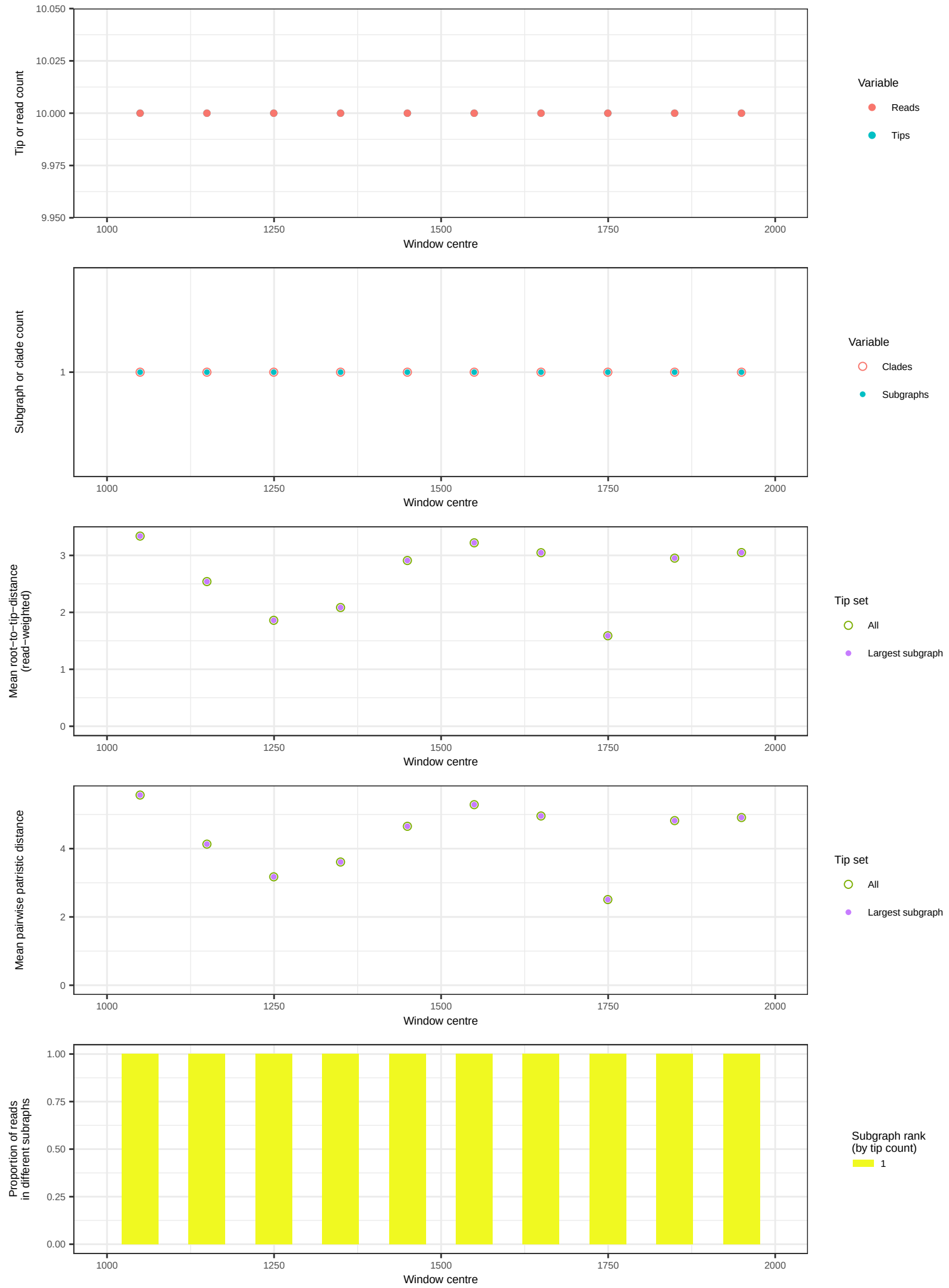

Subgraph or clade count
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

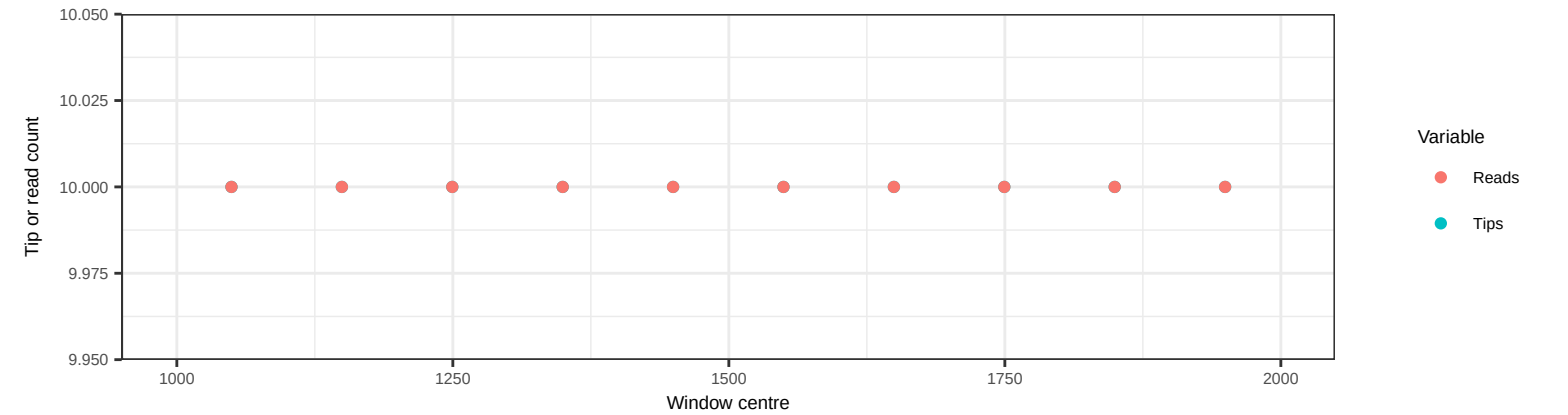

Mean root−to−tip−distance
(read−weighted)
8
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

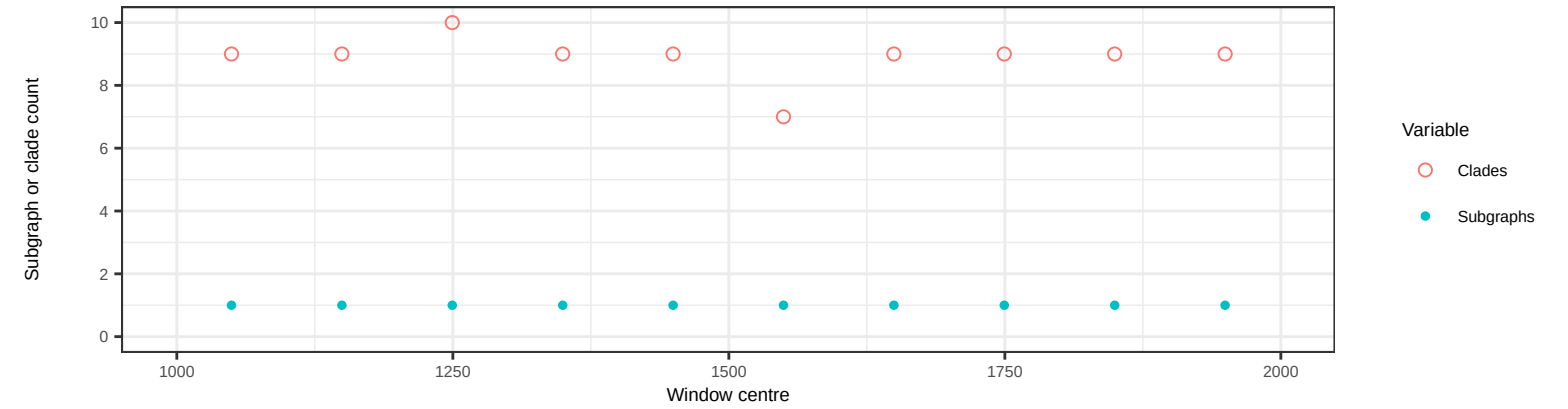

Mean pairwise patristic distance
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

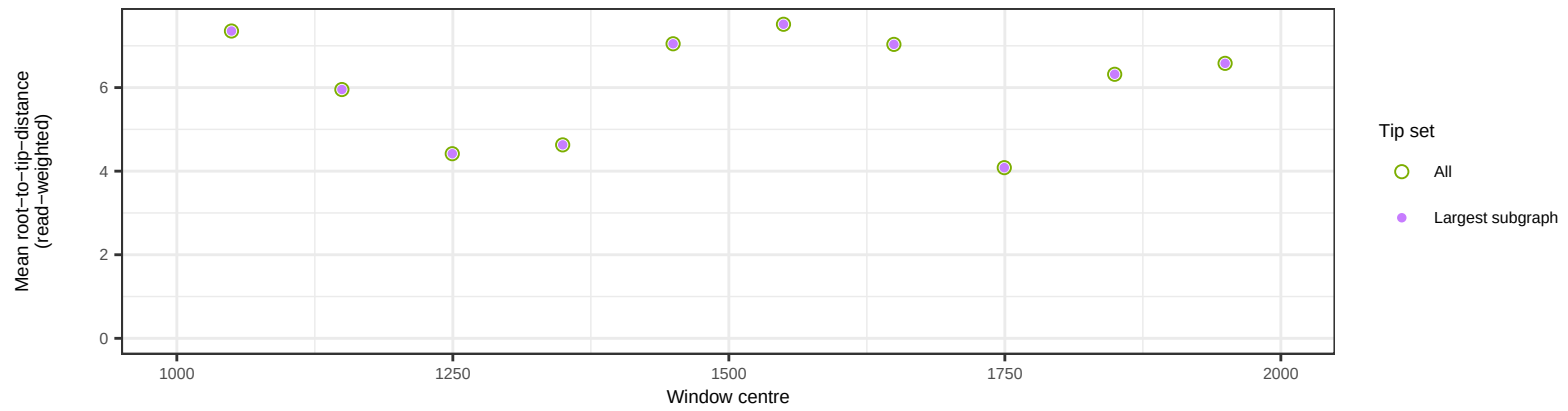

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

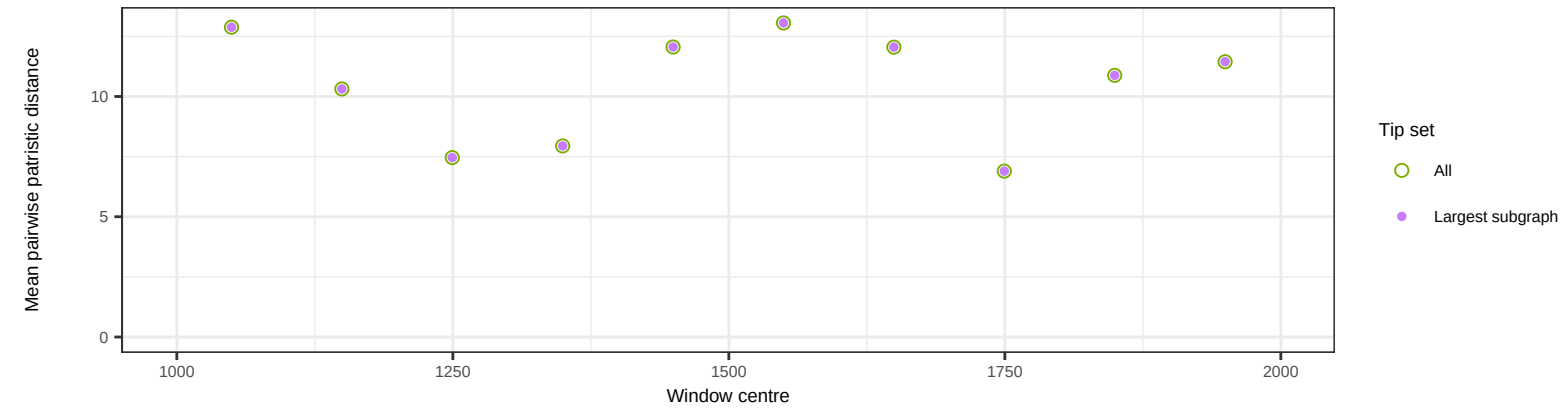

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
2
1
0
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
7.5
5.0
2.5
0.0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
10
5
0
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
2
1

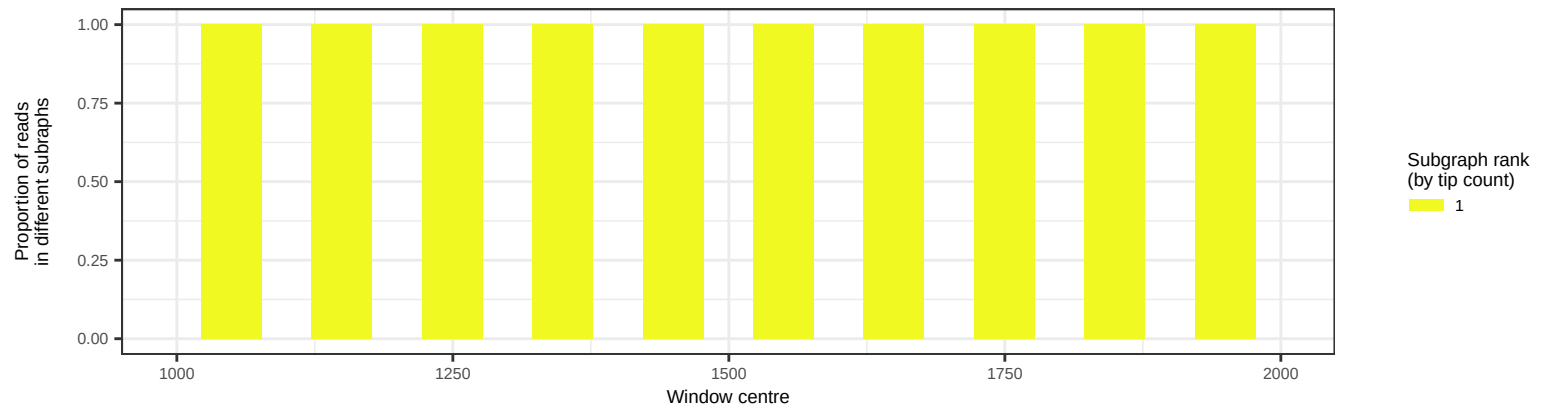

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Window centre
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
3
2
1
0
Window centre
Tip set
All
Largest subgraph
Mean pairwise patristic distance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

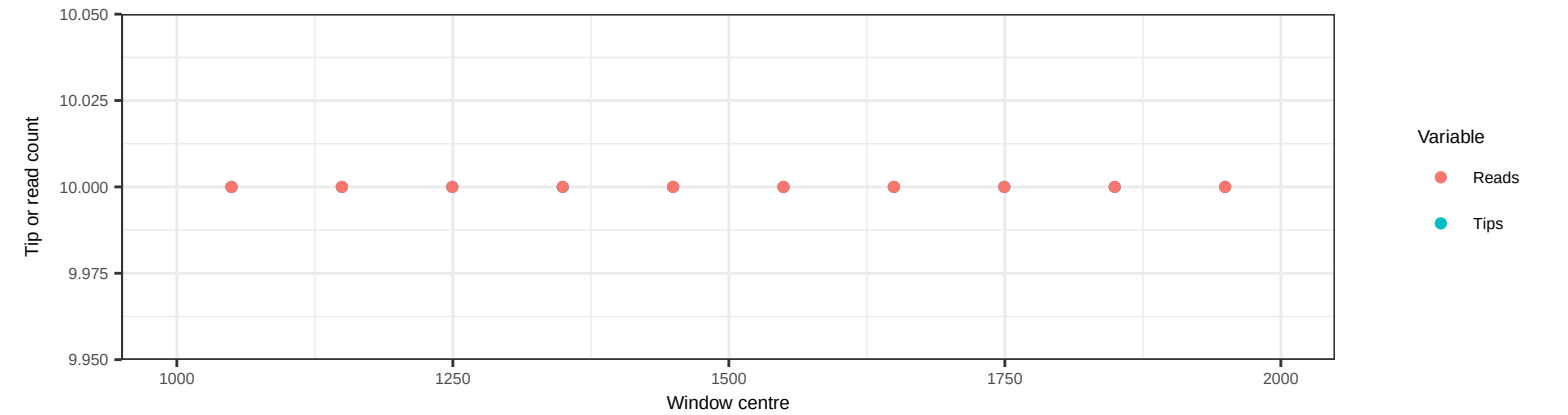

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

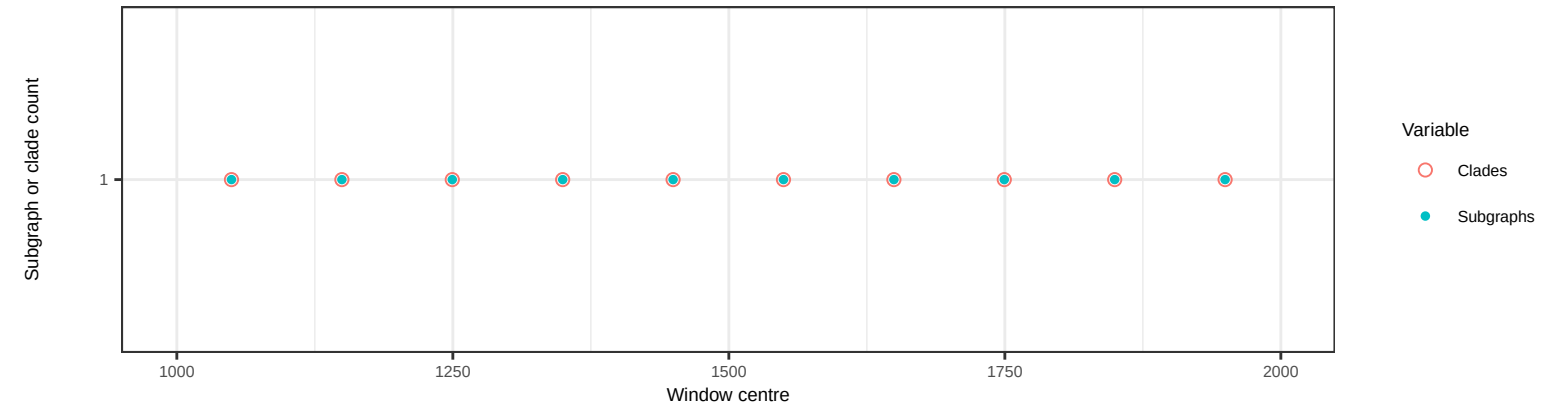

Subgraph or clade count
10
8
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

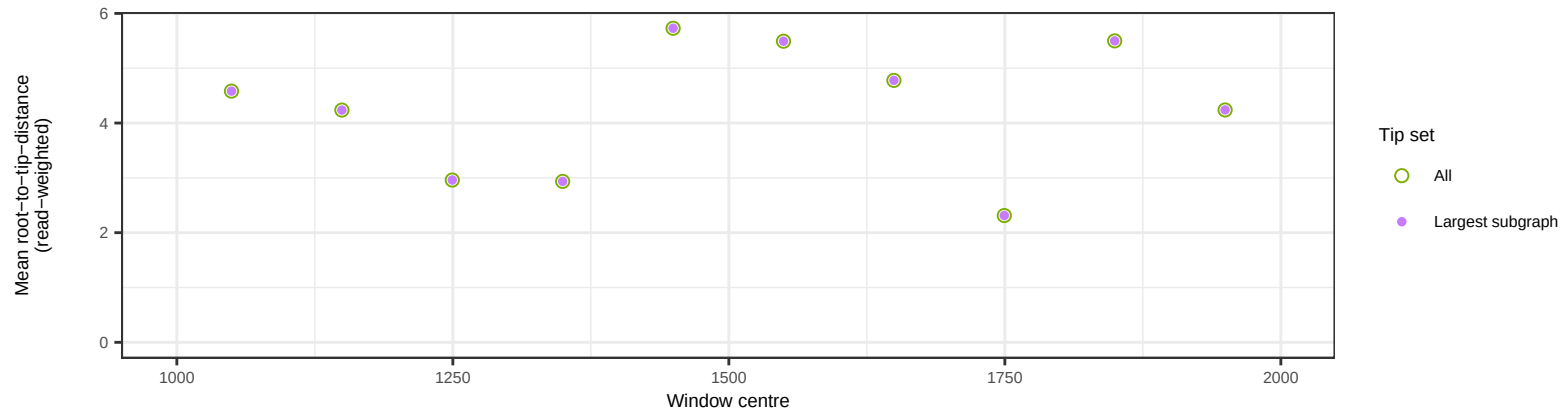

Mean root−to−tip−distance
(read−weighted)
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

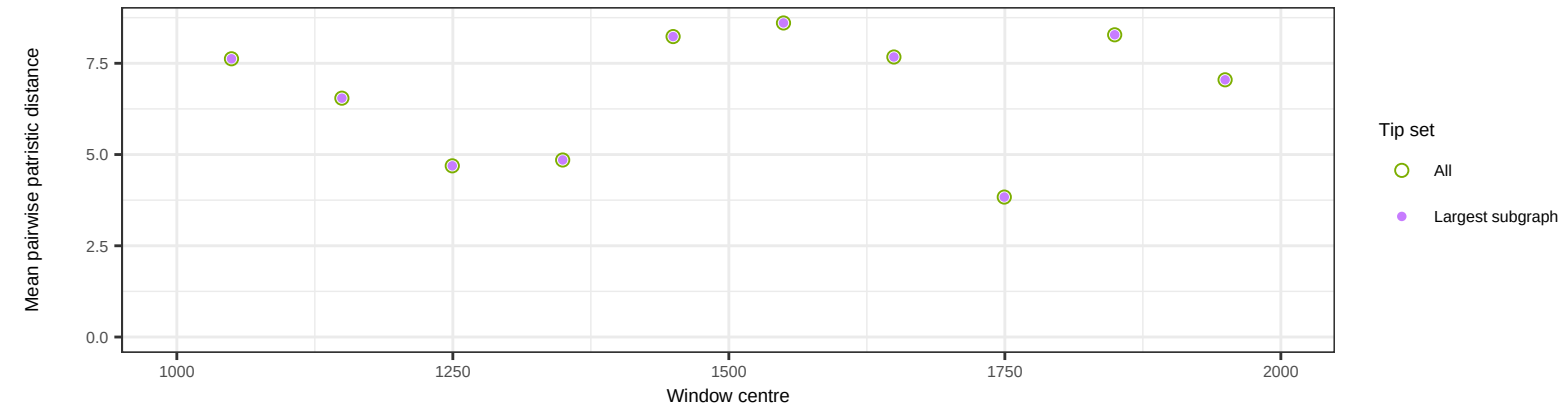

Mean pairwise patristic distance
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

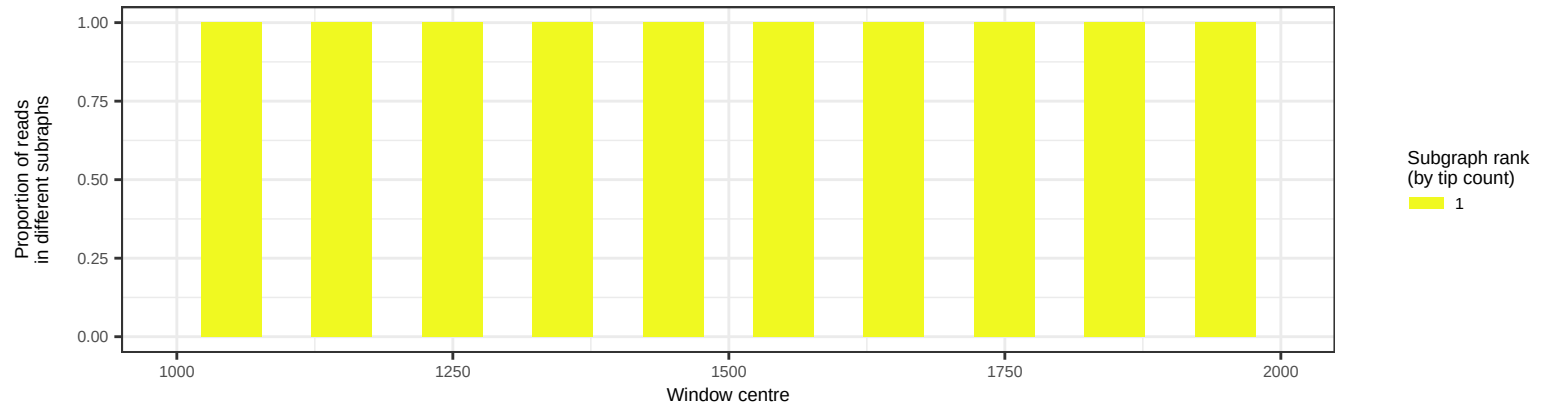

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

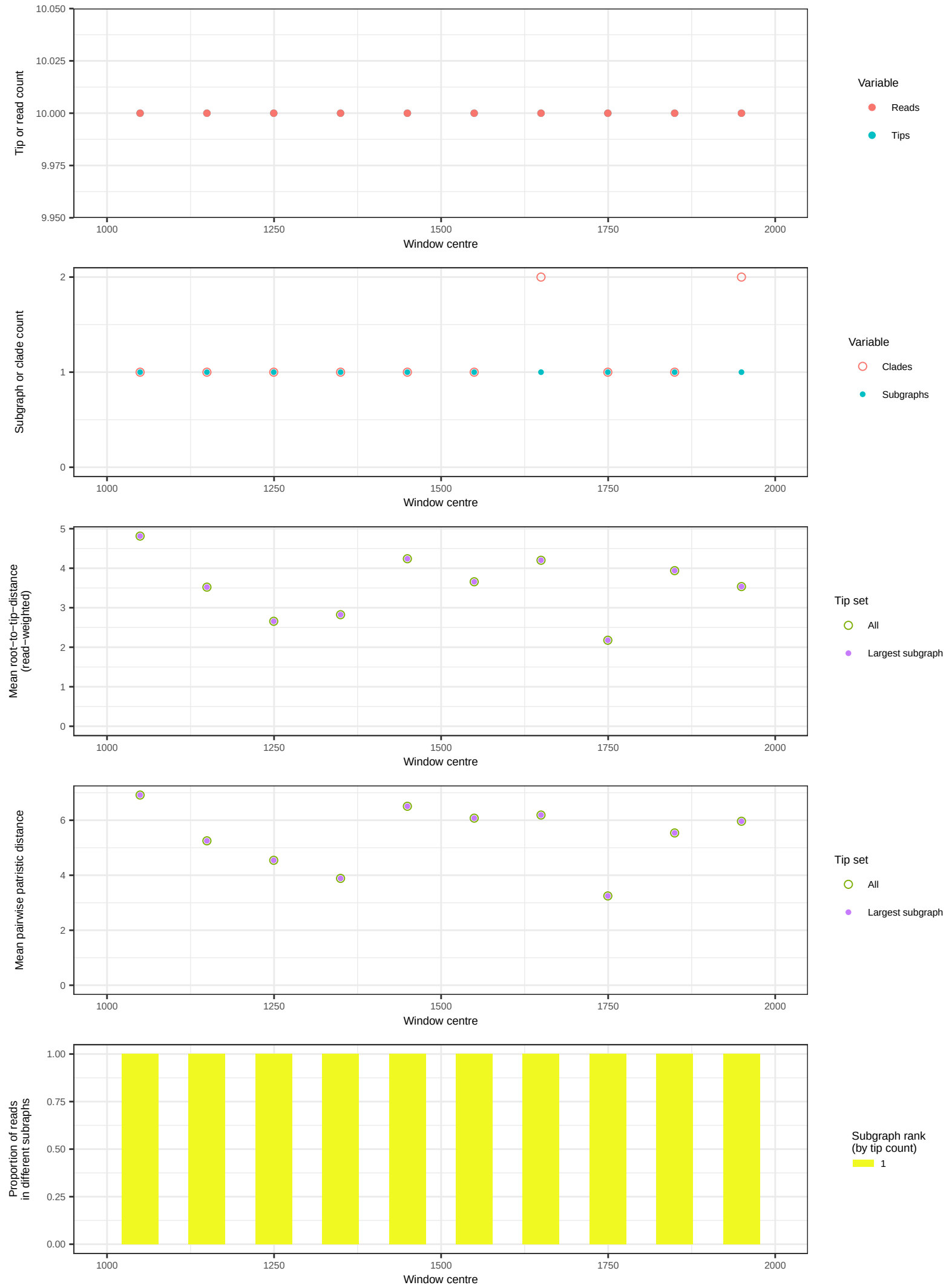

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

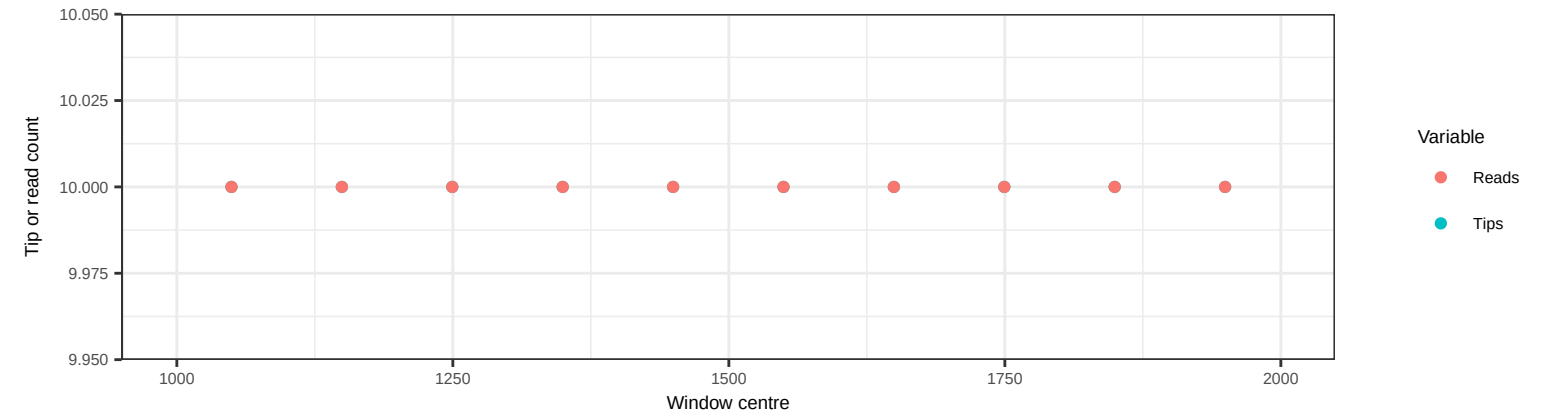

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

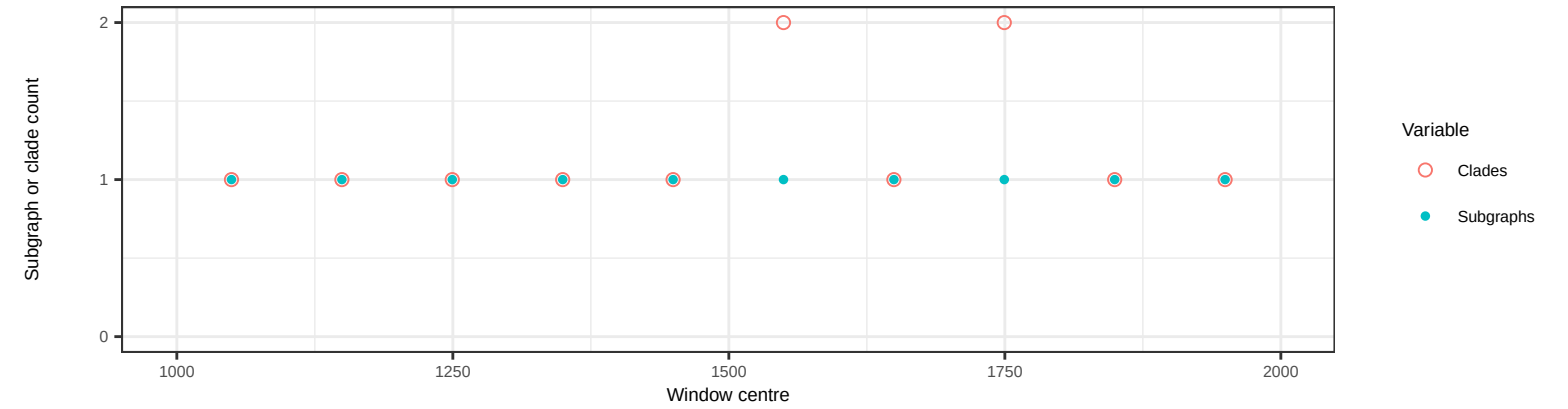

Mean root−to−tip−distance
(read−weighted)
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

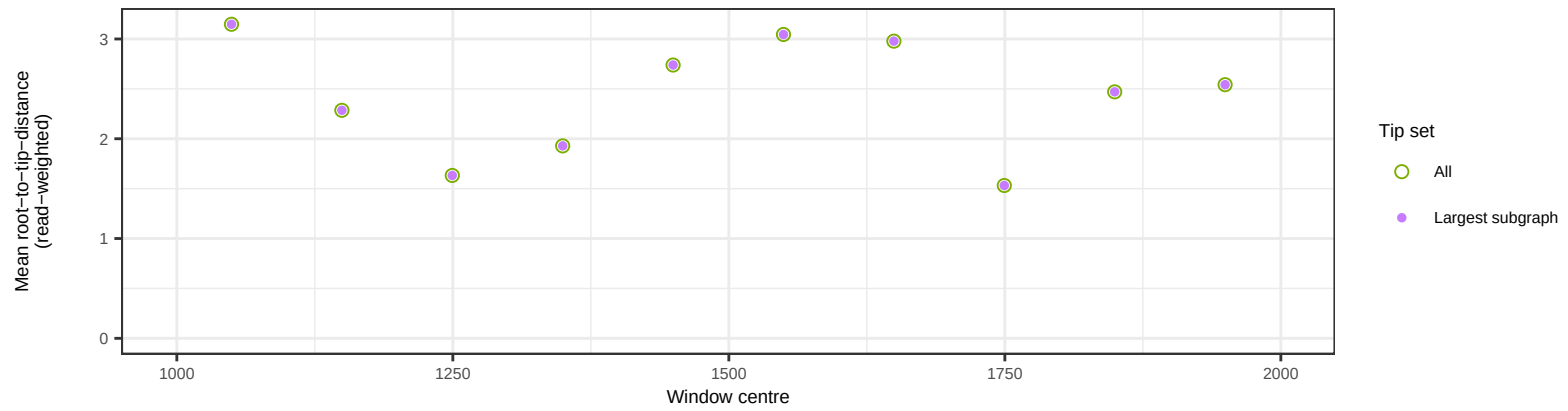

Mean pairwise patristic distance
7.5
5.0
2.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

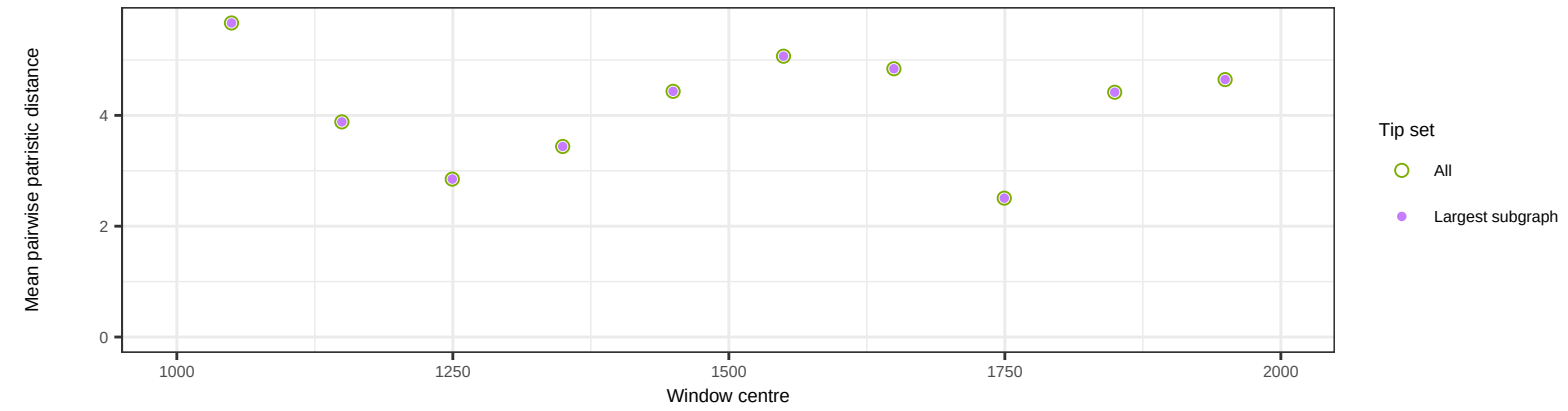

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

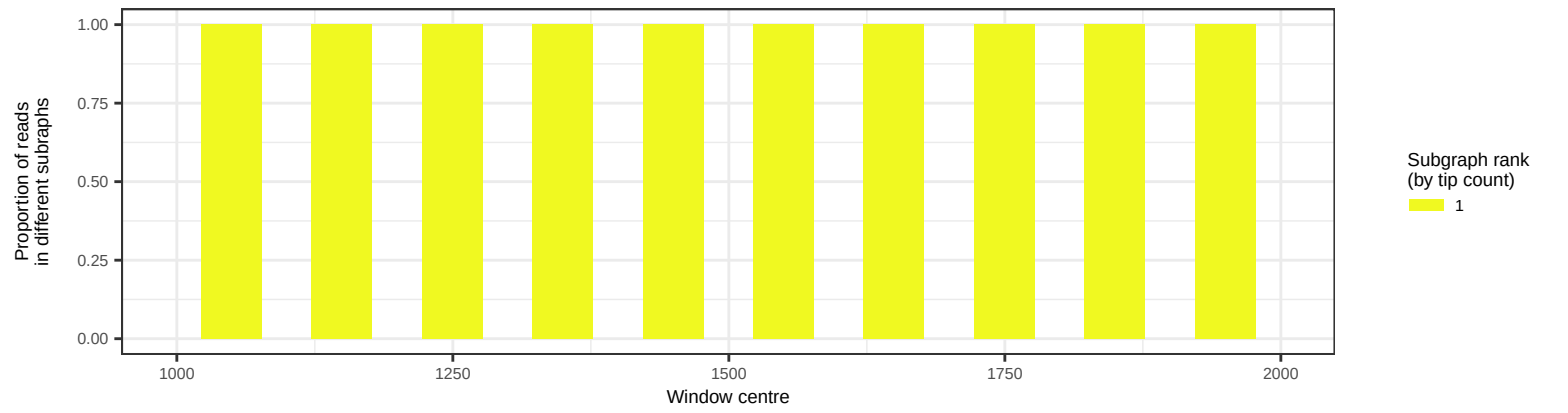

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
2
1
0
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
5
4
3
2
1
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
6
4
2
0
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
1

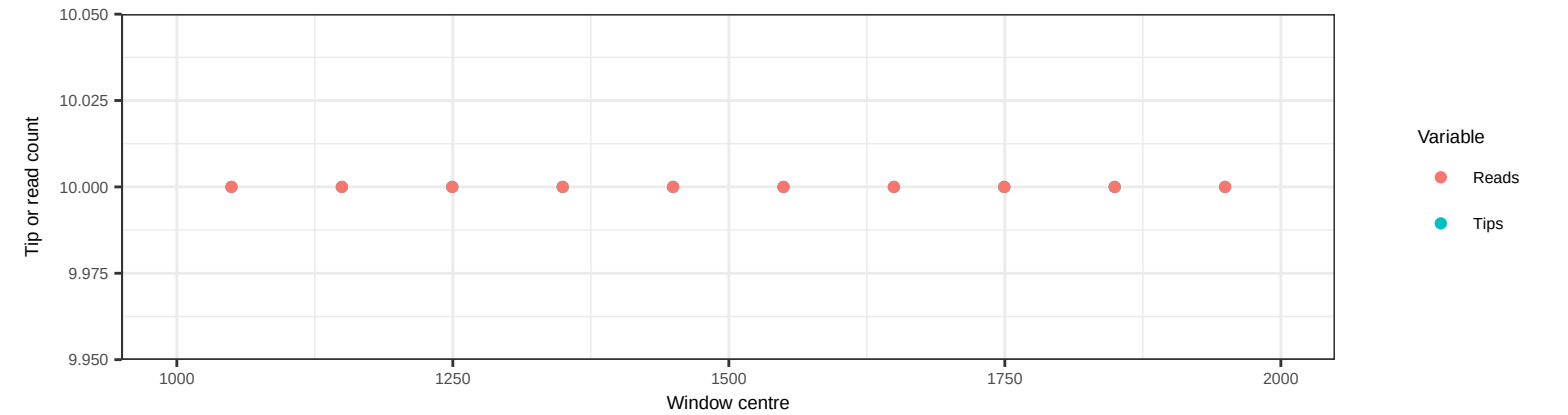

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

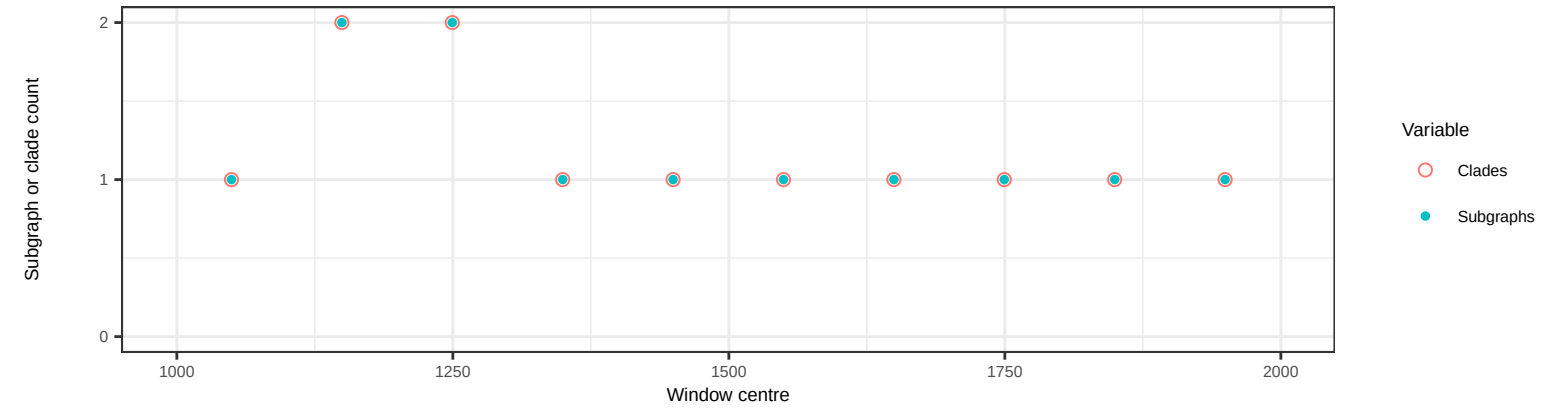

Subgraph or clade count
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

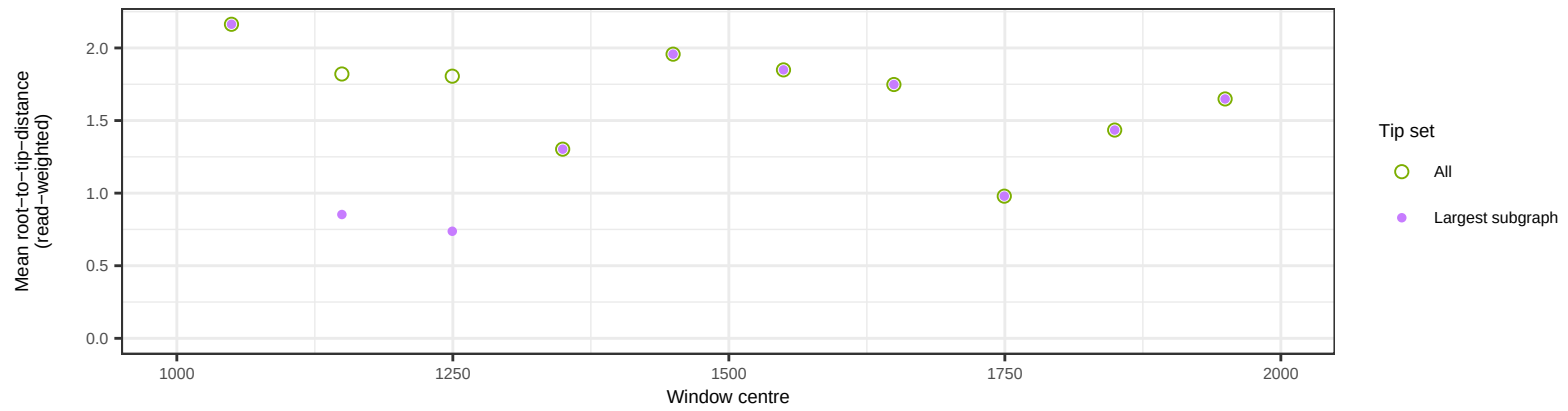

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

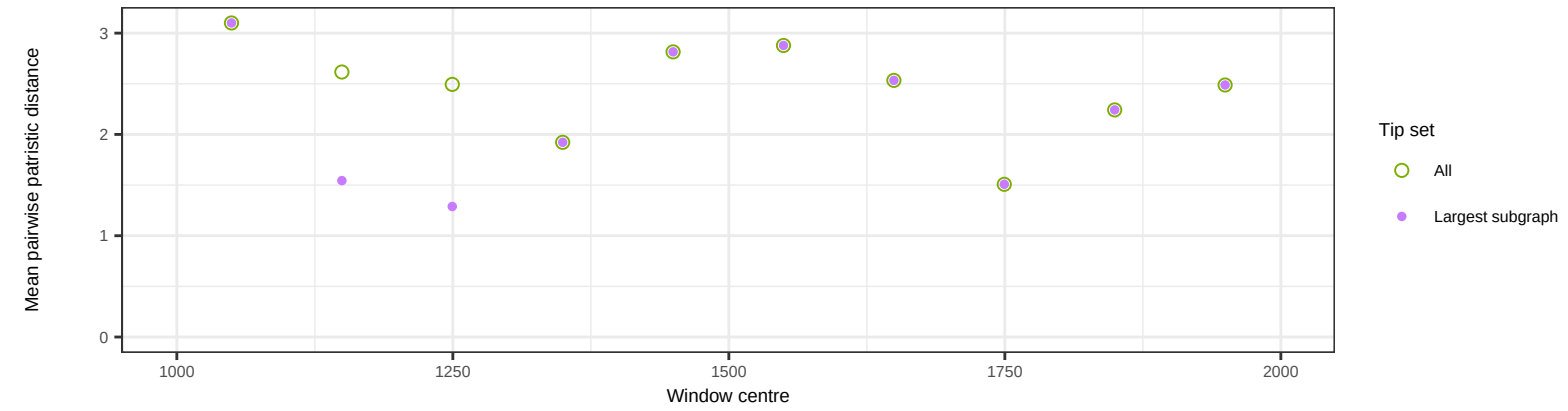

Mean pairwise patristic distance
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

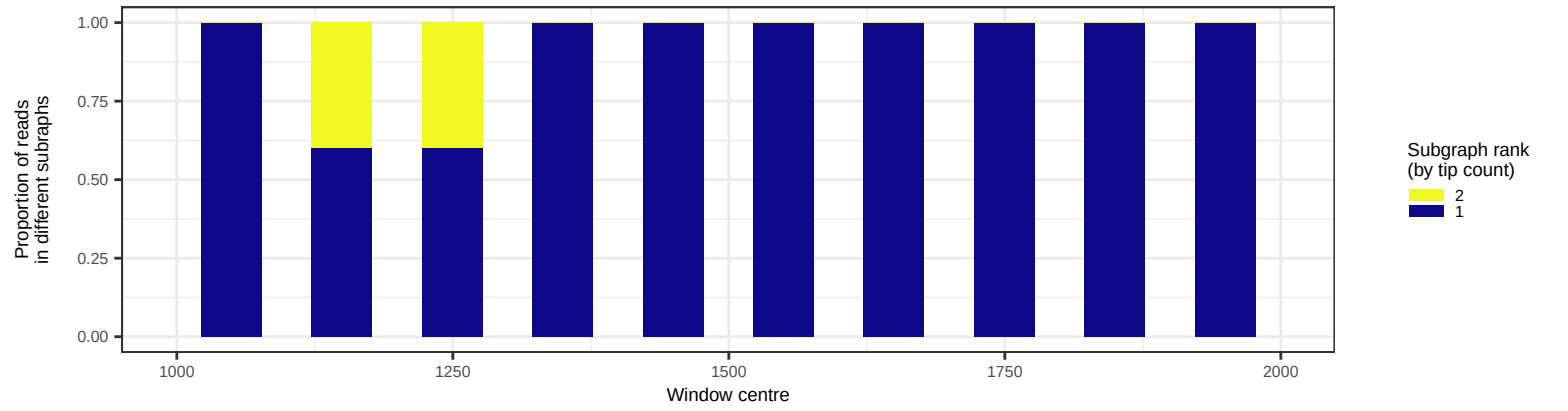

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

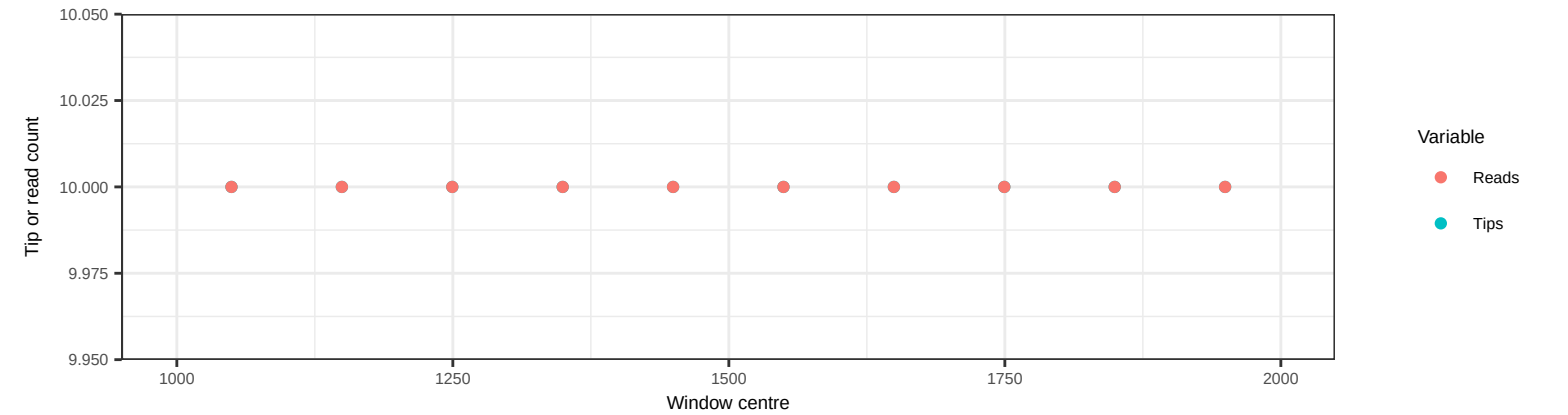

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

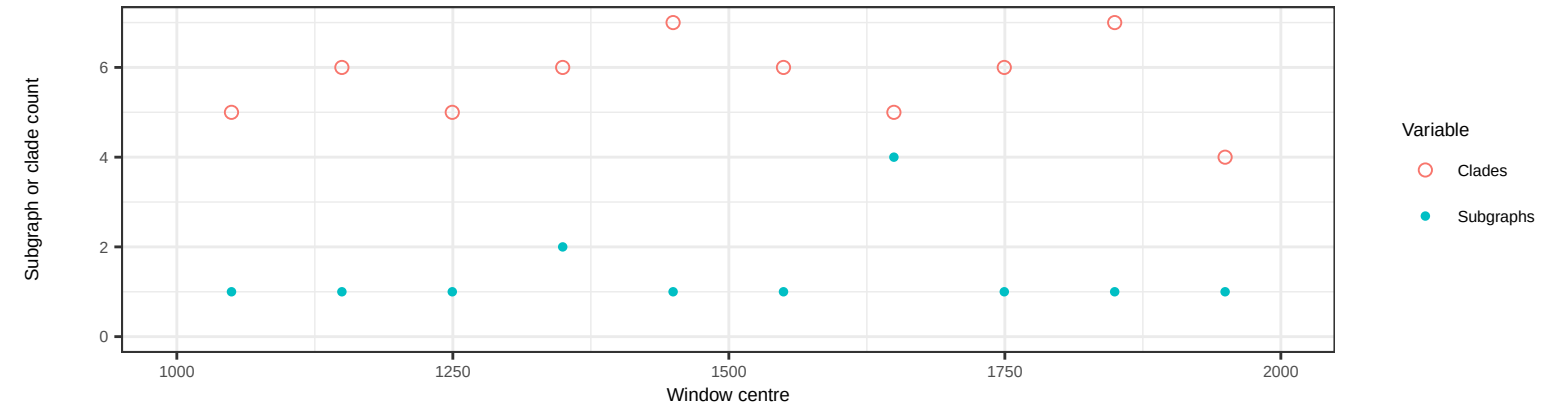

Subgraph or clade count
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

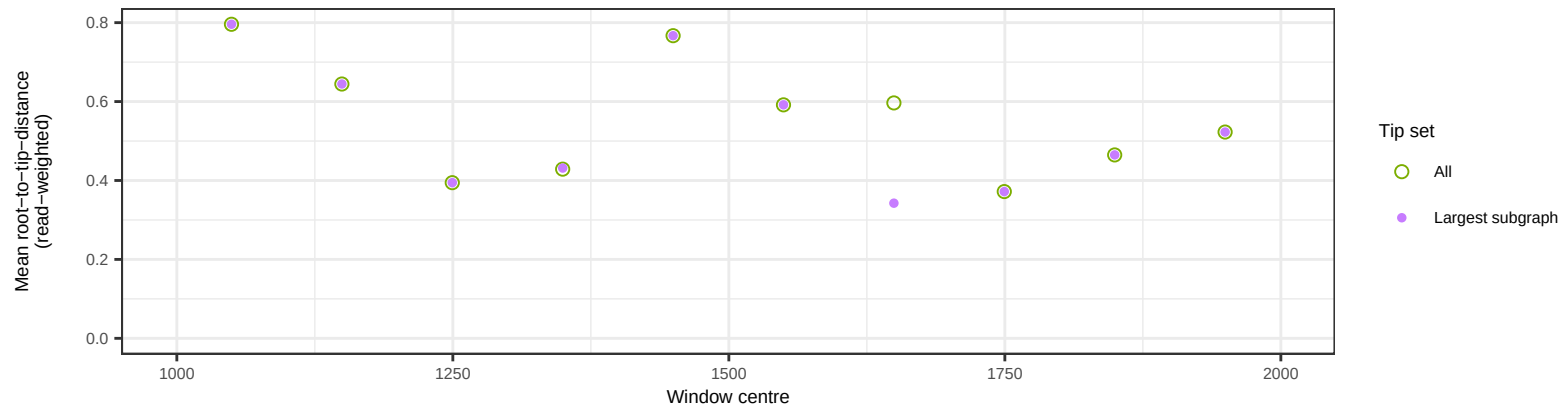

Mean root−to−tip−distance
(read−weighted)
2.0
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

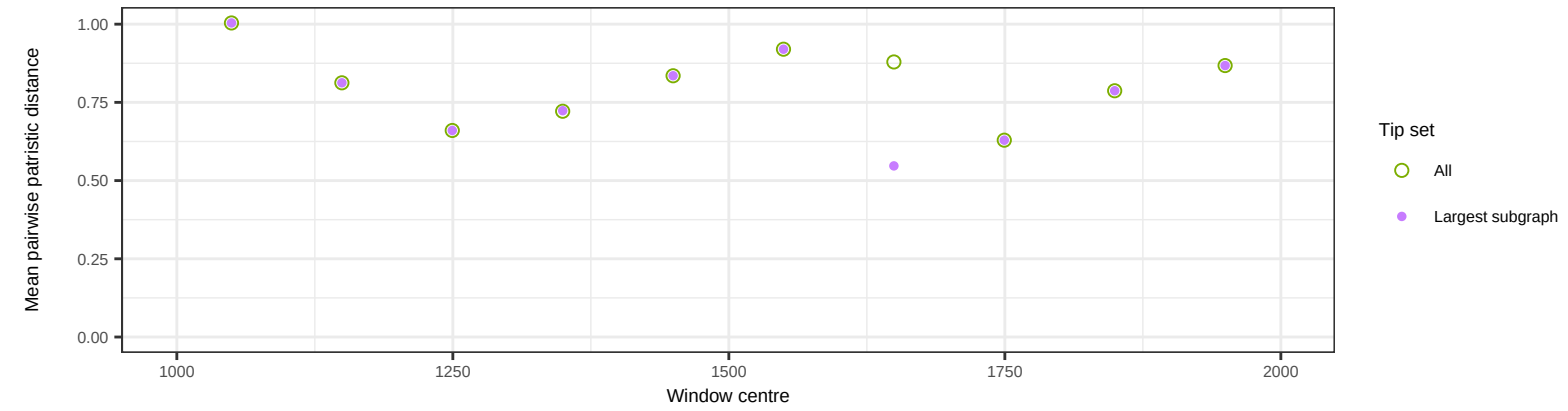

Mean pairwise patristic distance
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

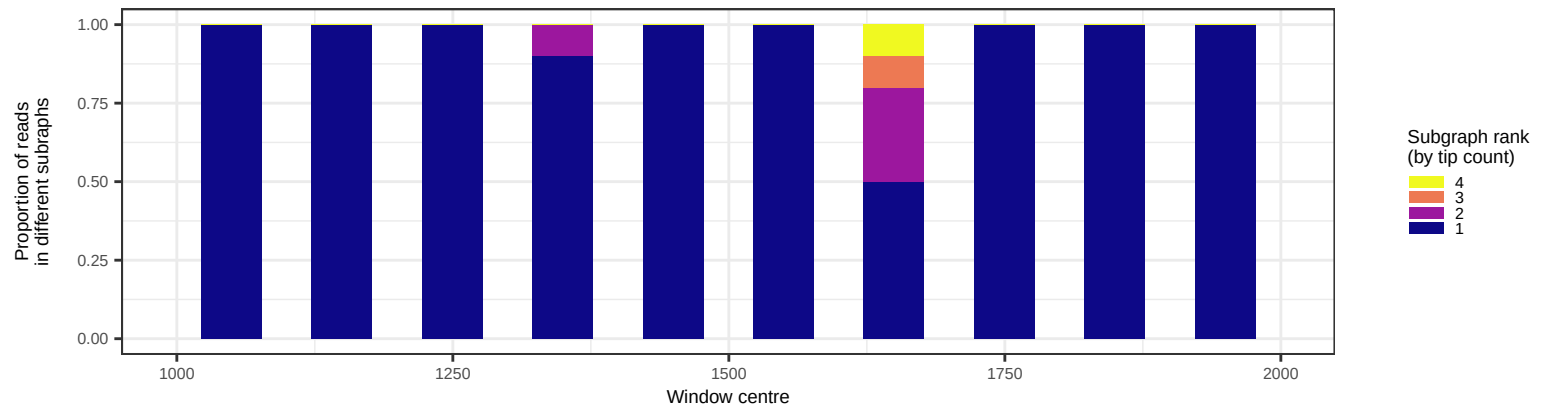

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
2
1

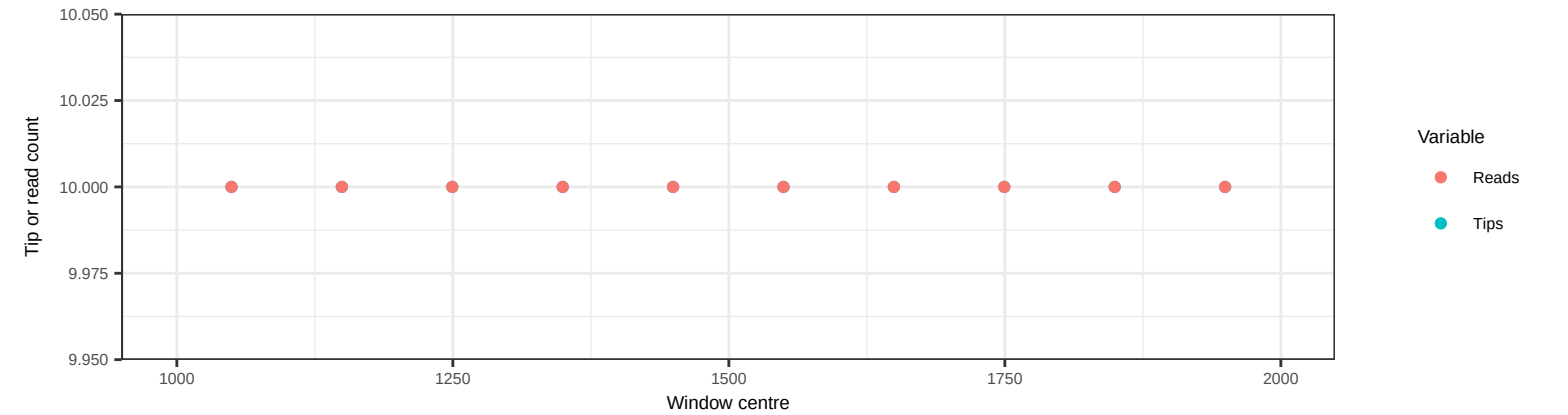

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

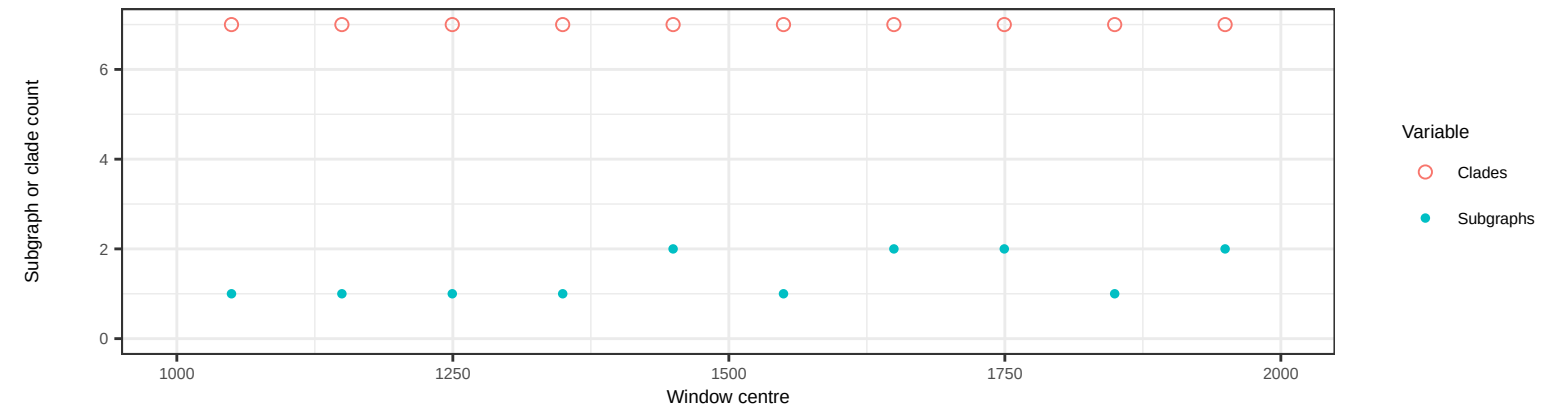

Subgraph or clade count
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

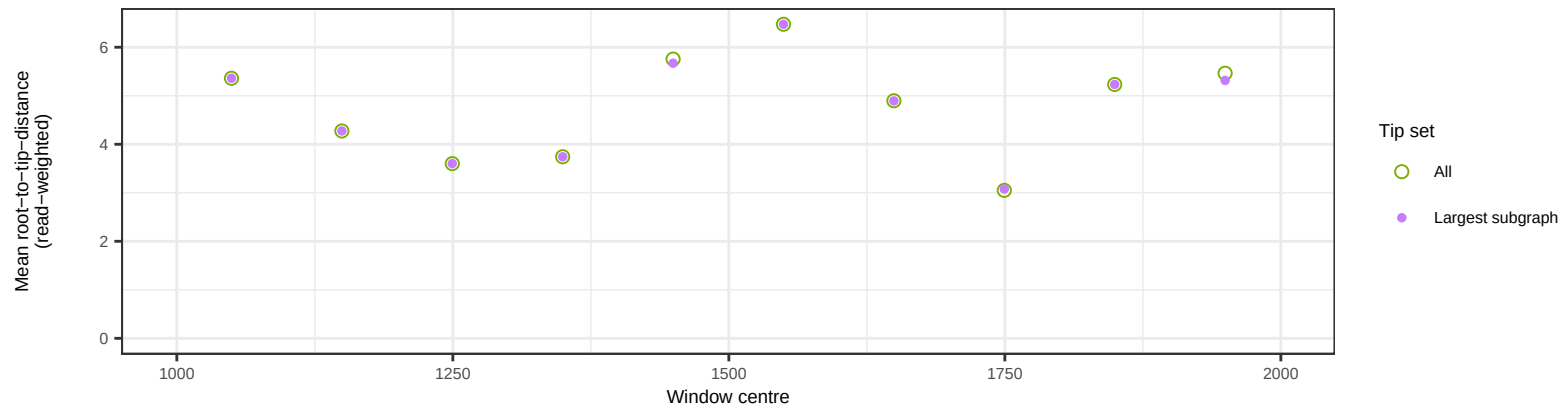

Mean root−to−tip−distance
(read−weighted)
0.8
0.6
0.4
0.2
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

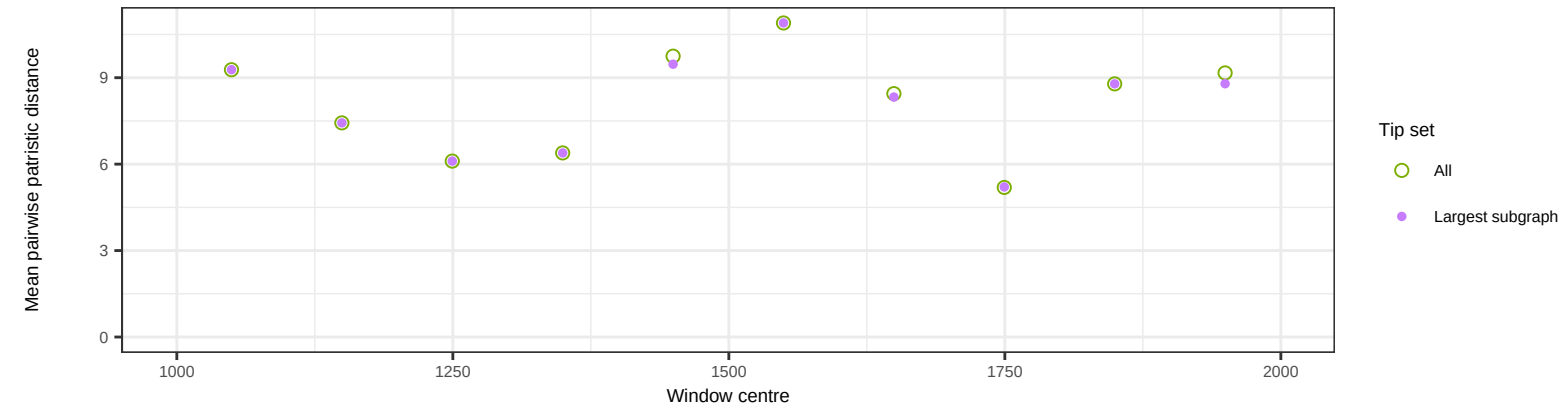

Mean pairwise patristic distance
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

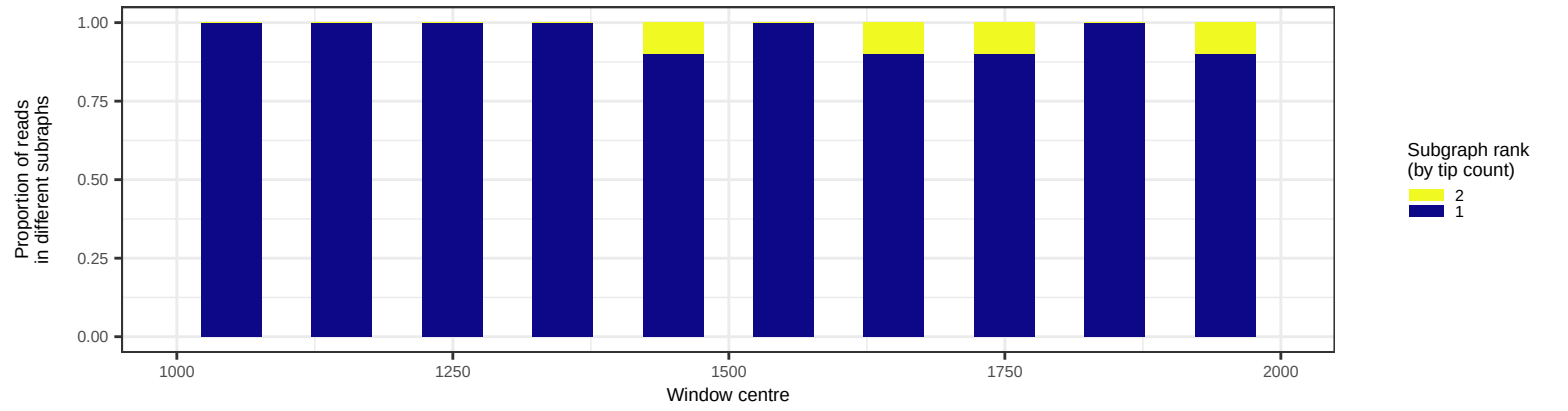

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
4
3
2
1

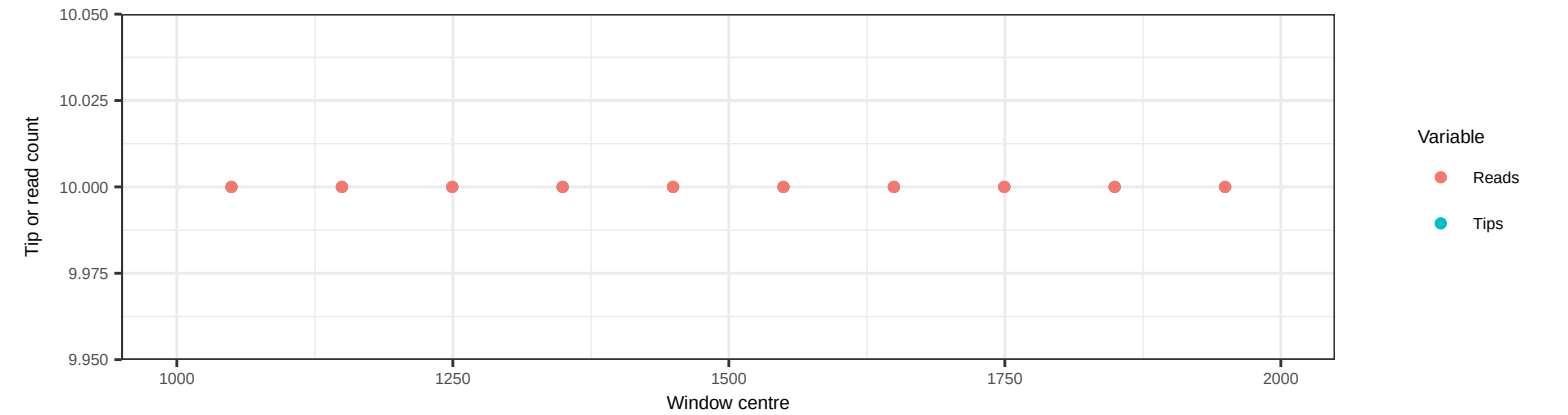

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

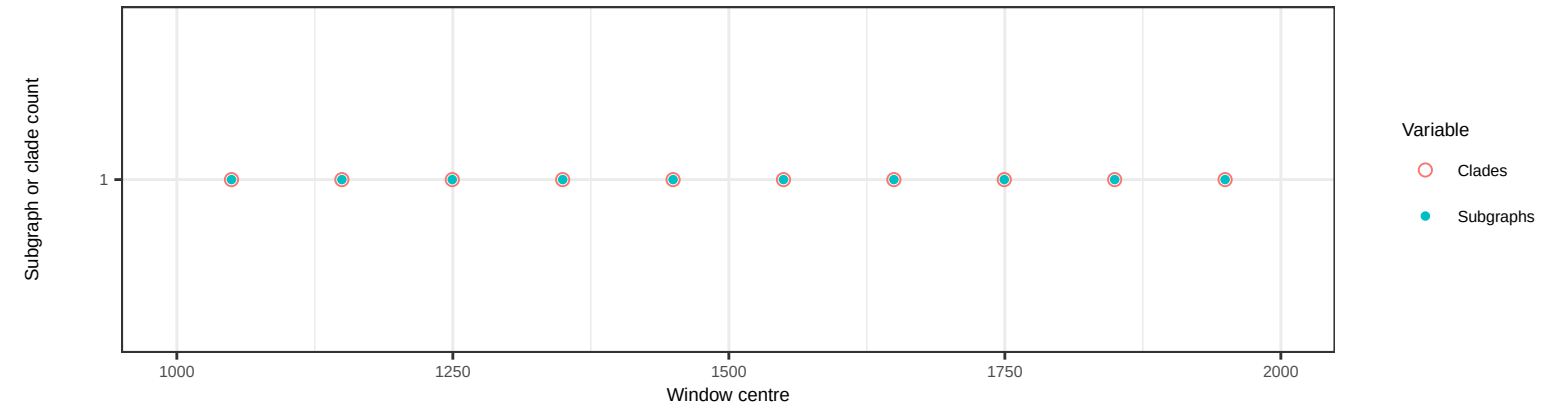

Subgraph or clade count
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

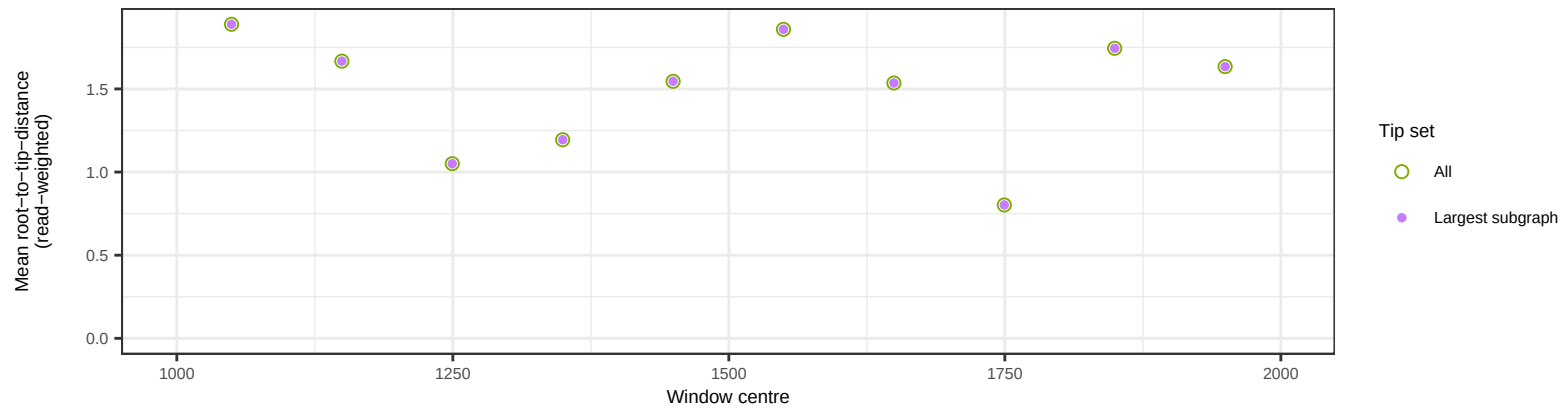

Mean root−to−tip−distance
(read−weighted)
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

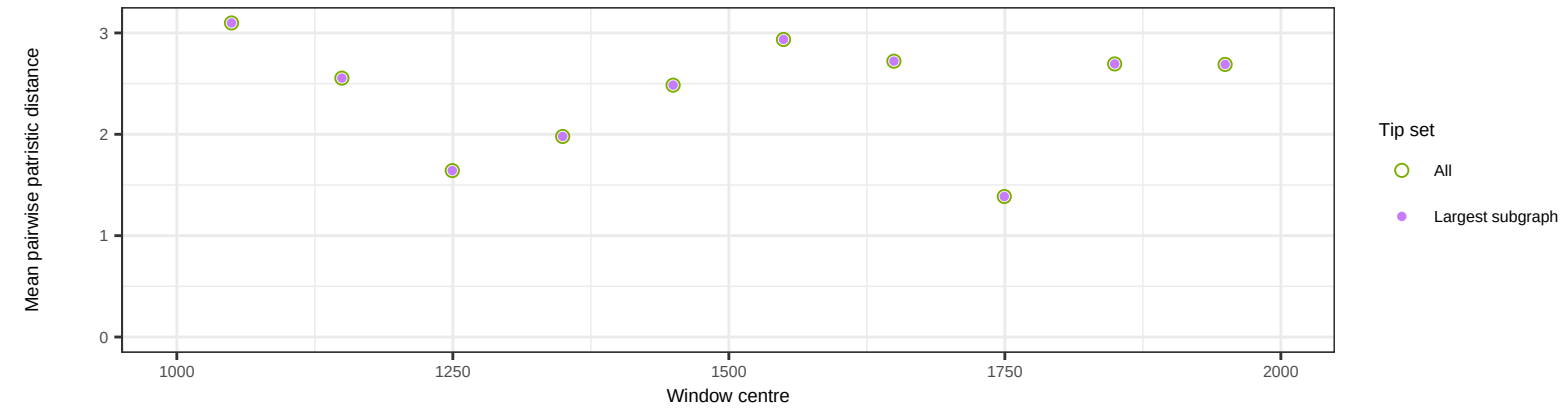

Mean pairwise patristic distance
9
6
3
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

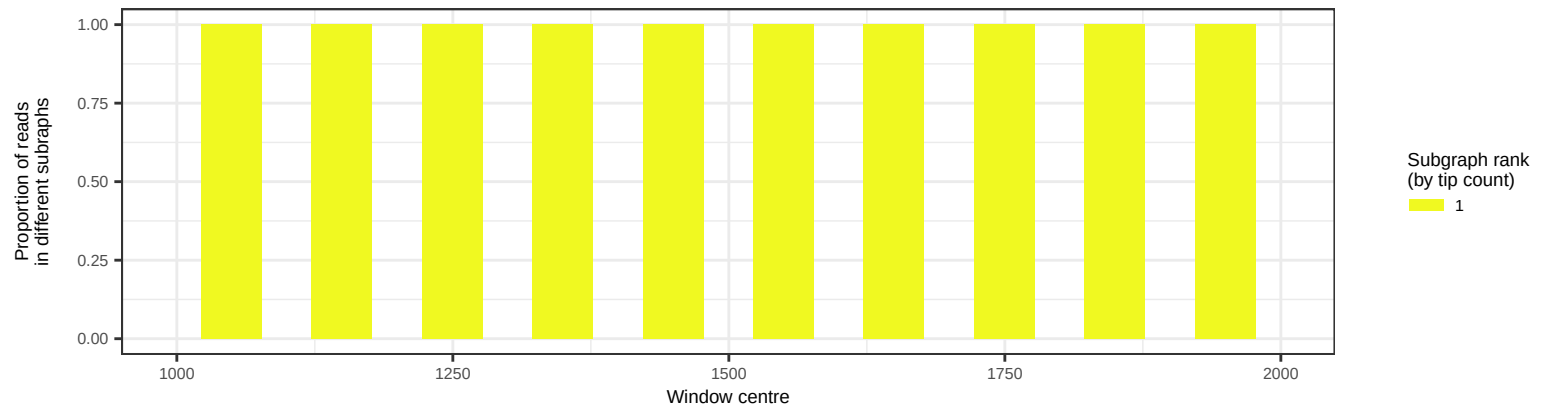

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
2
1

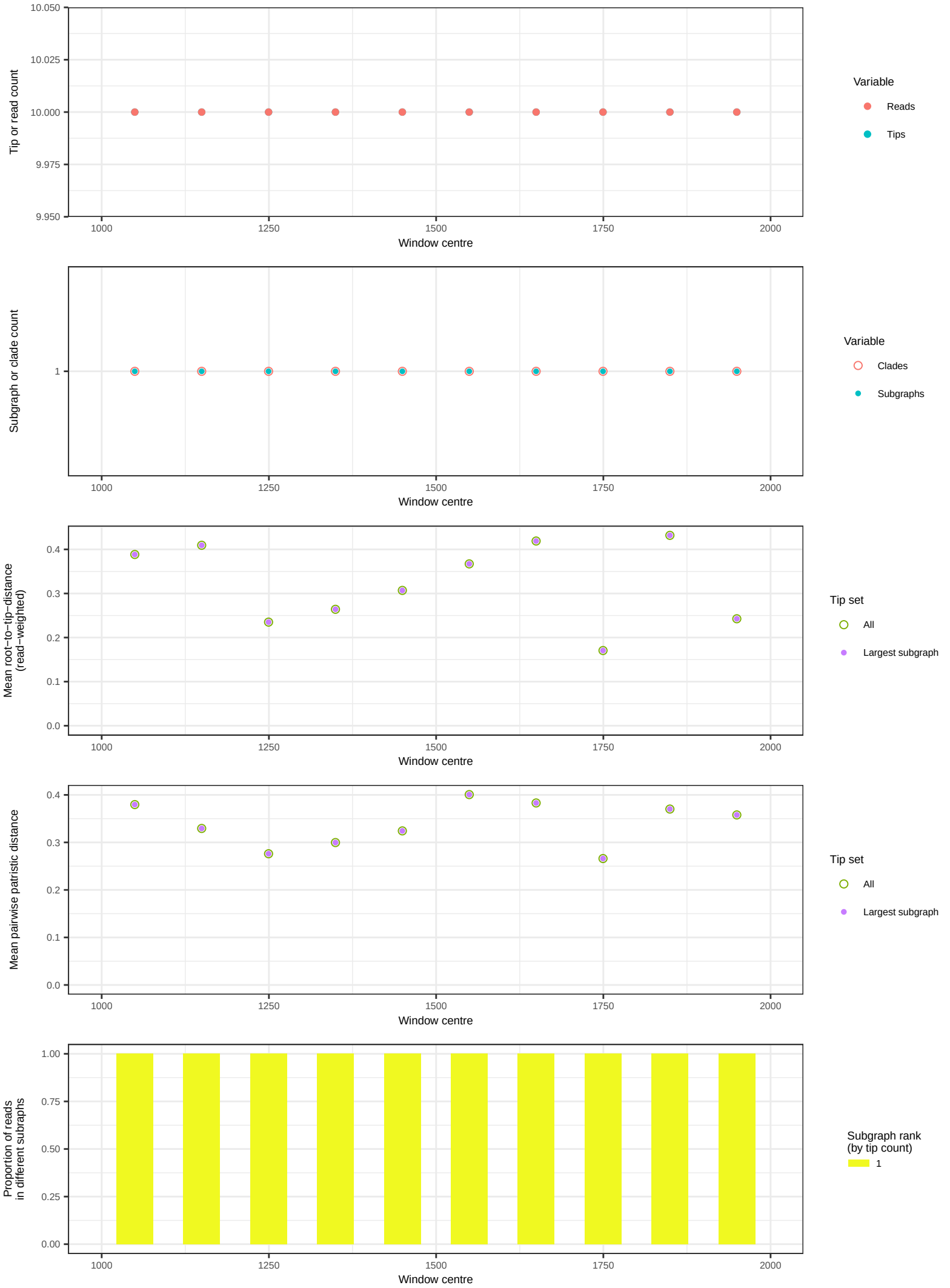

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips


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

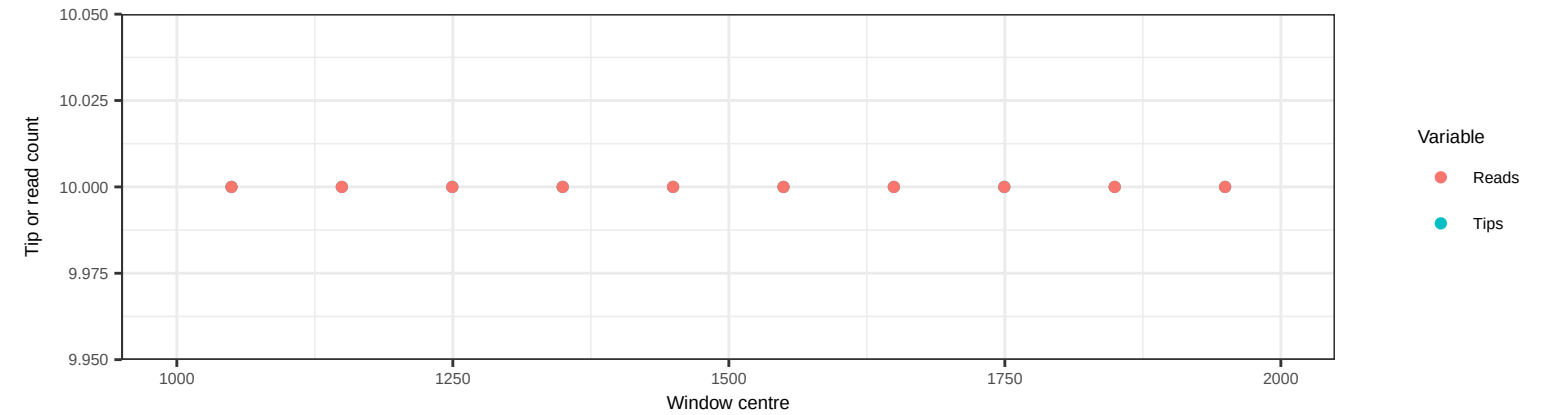

Mean root−to−tip−distance
(read−weighted)
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

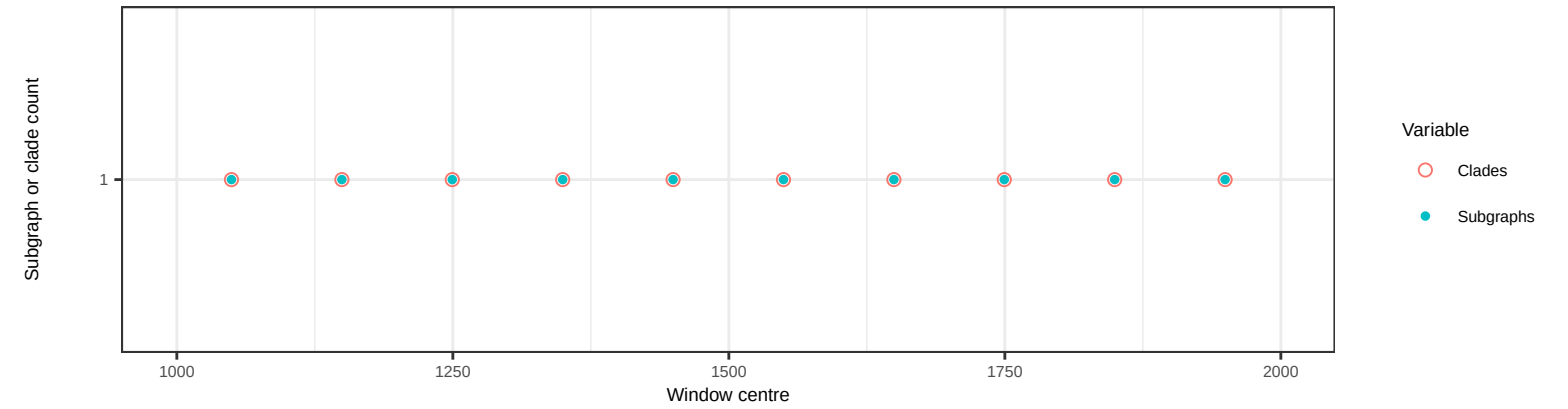

Mean pairwise patristic distance
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

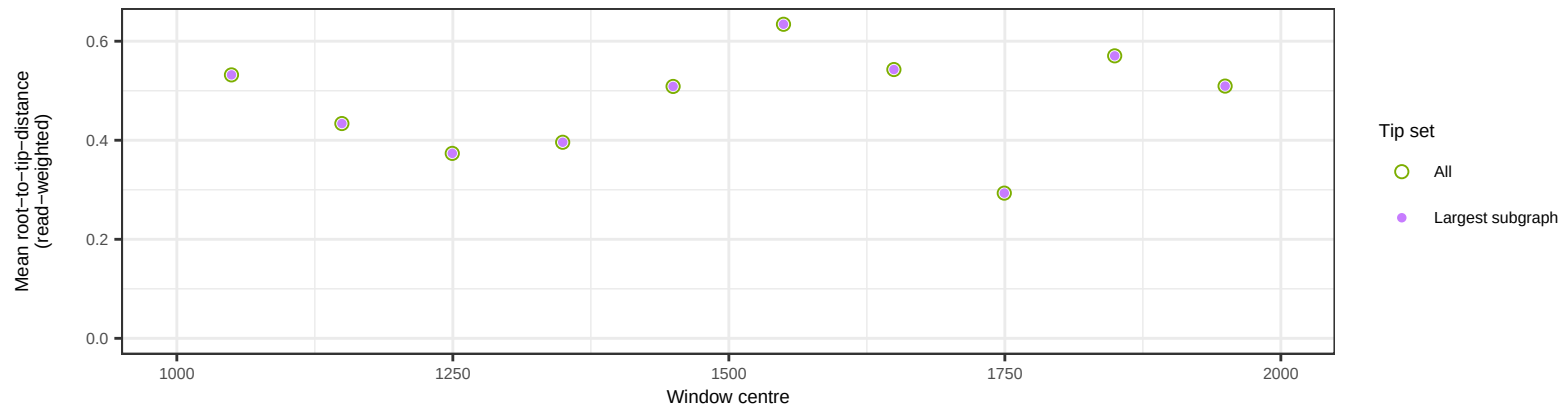

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

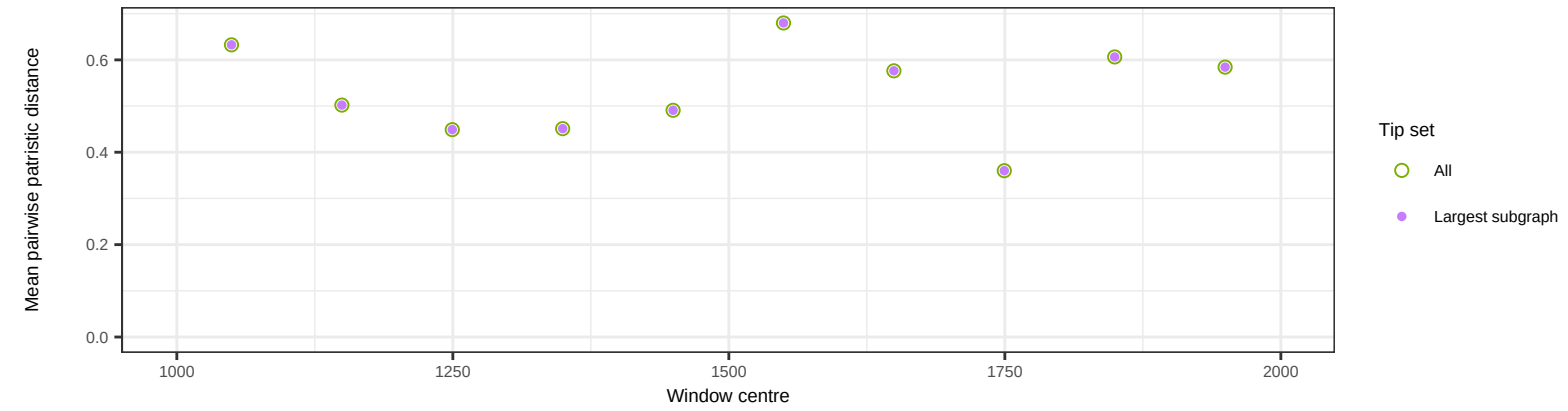

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
0.4
0.3
0.2
0.1
0.0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
1

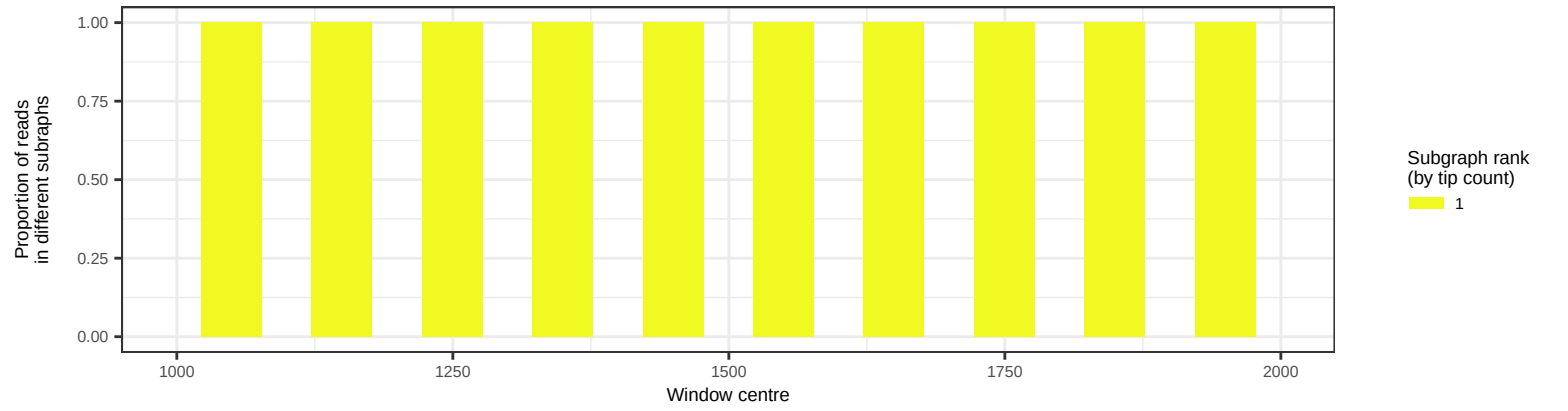
661

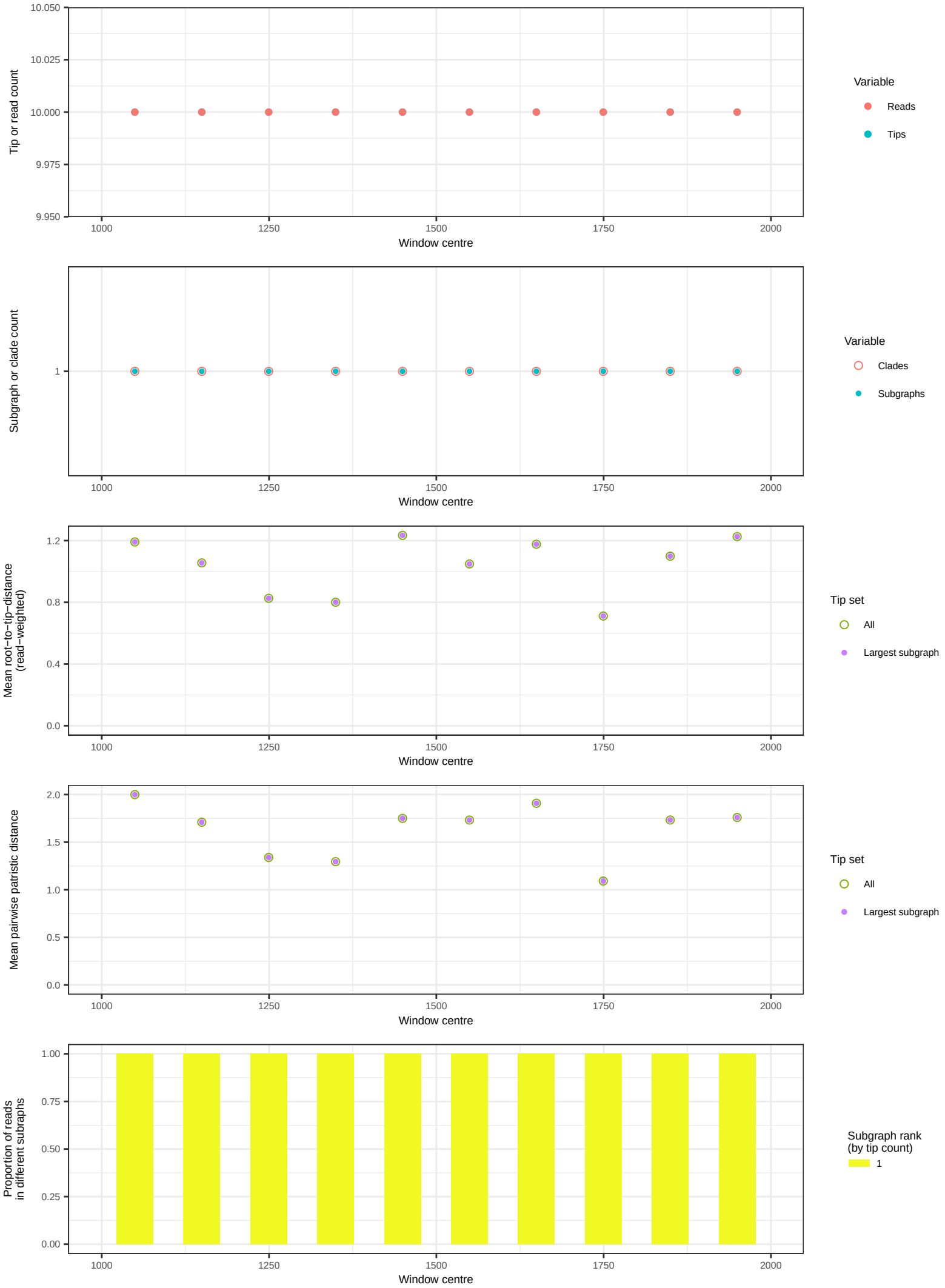

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

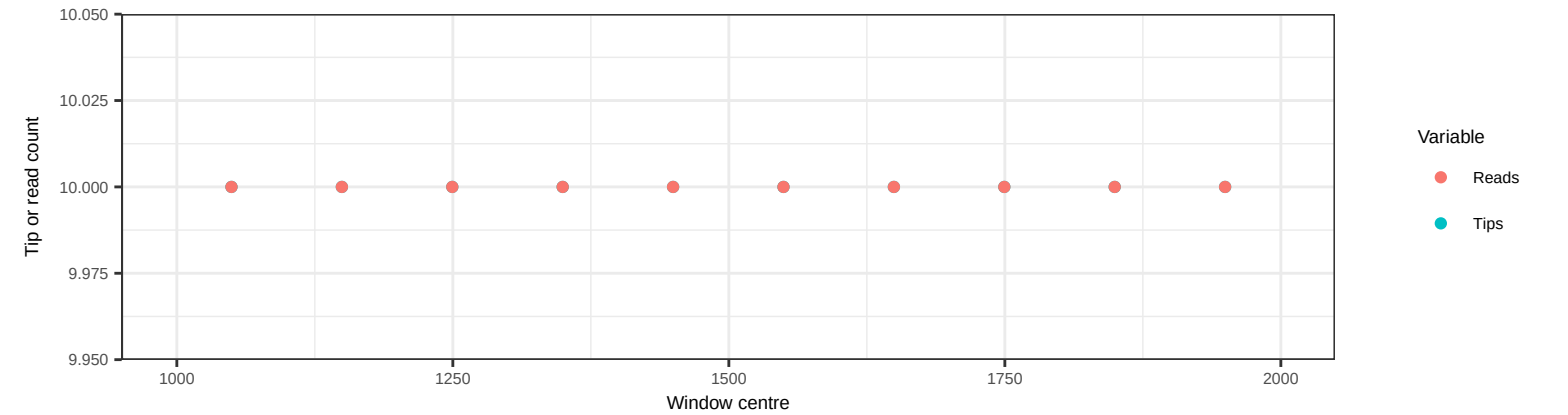

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

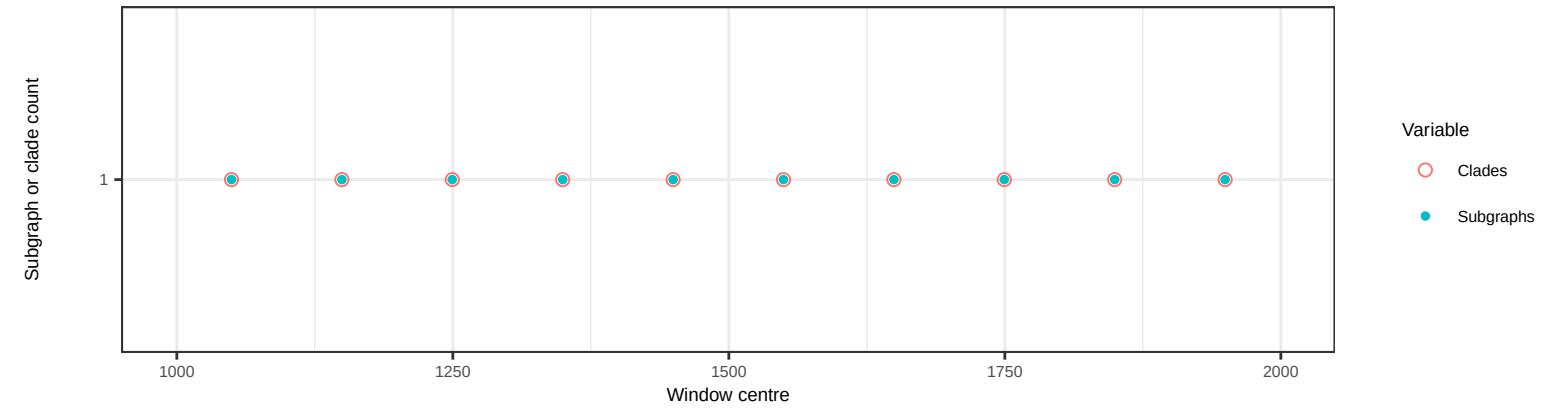

Mean root−to−tip−distance
(read−weighted)
0.6
0.4
0.2
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

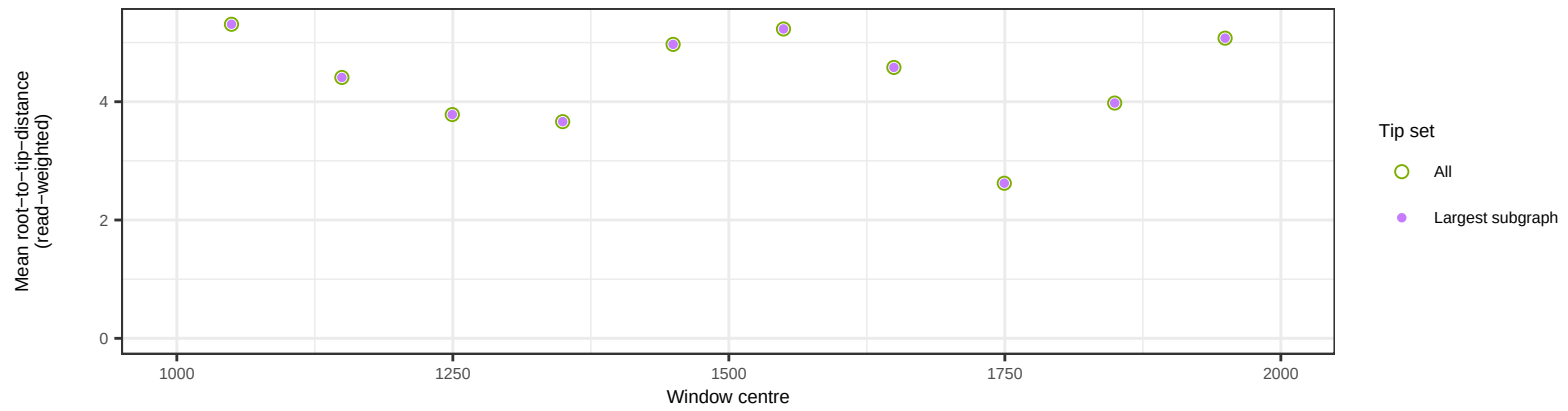

Mean pairwise patristic distance
0.6
0.4
0.2
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

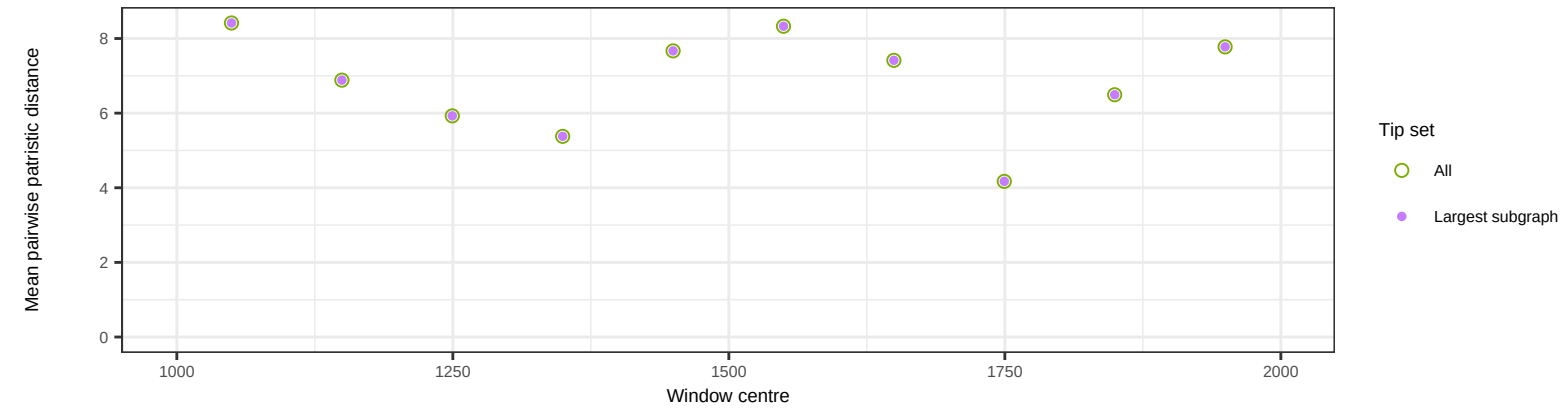

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

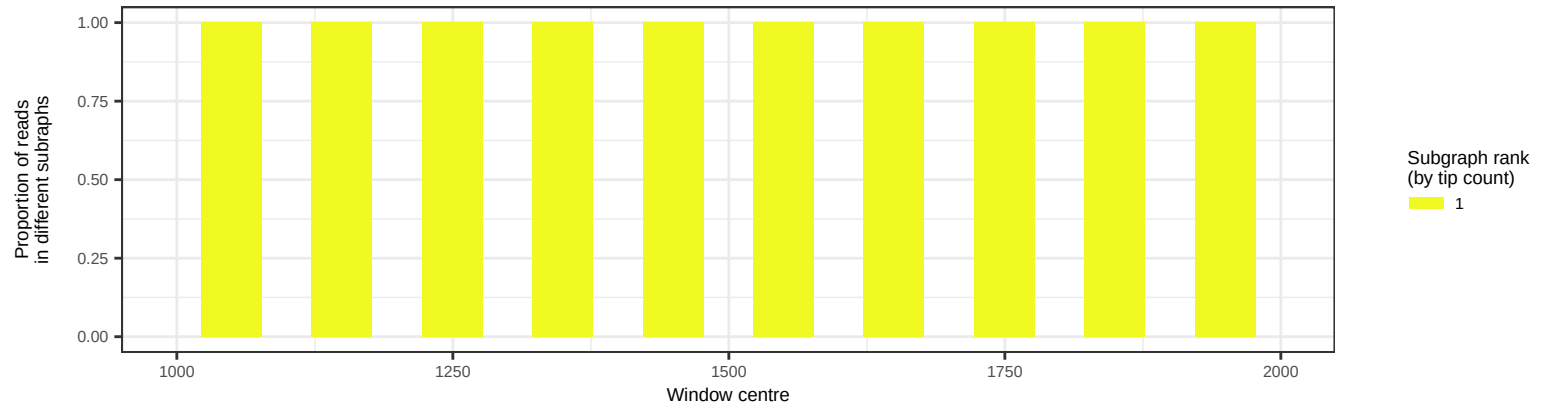

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
1.2
0.8
0.4
0.0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
2.0
1.5
1.0
0.5
0.0
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
1

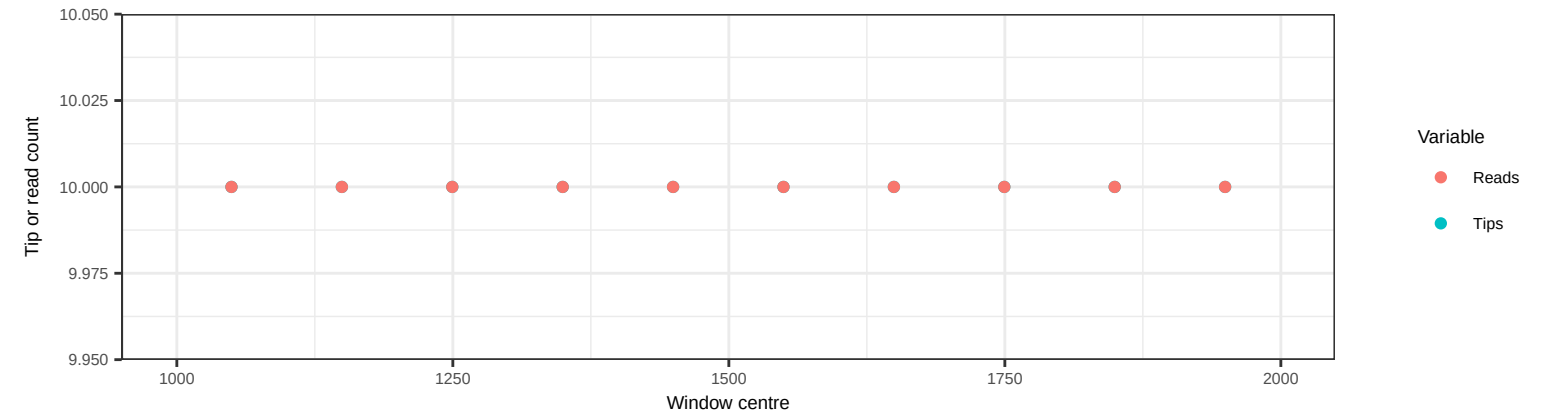

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

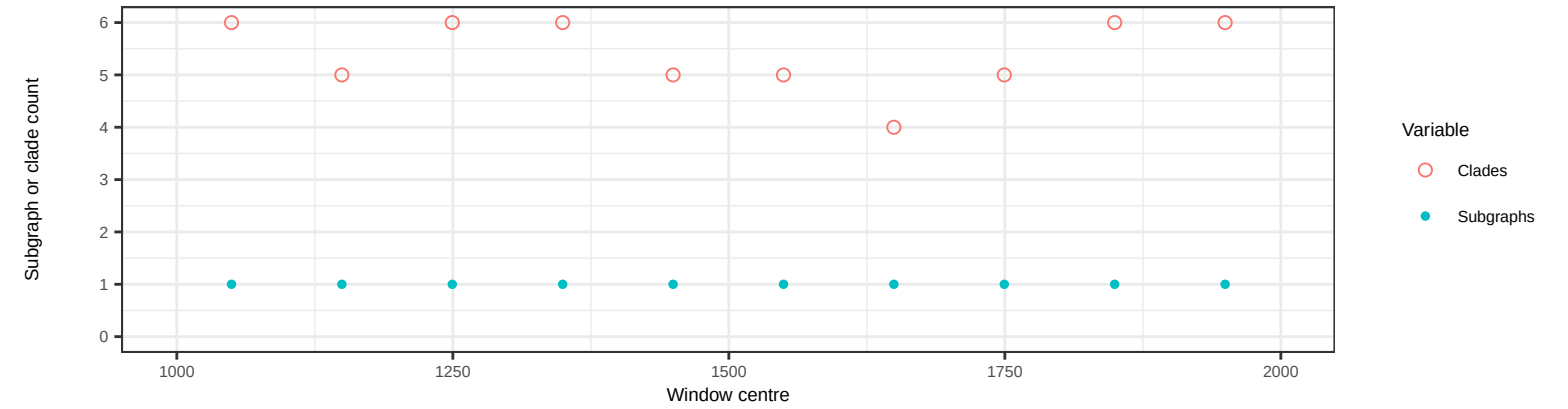

Subgraph or clade count
1
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

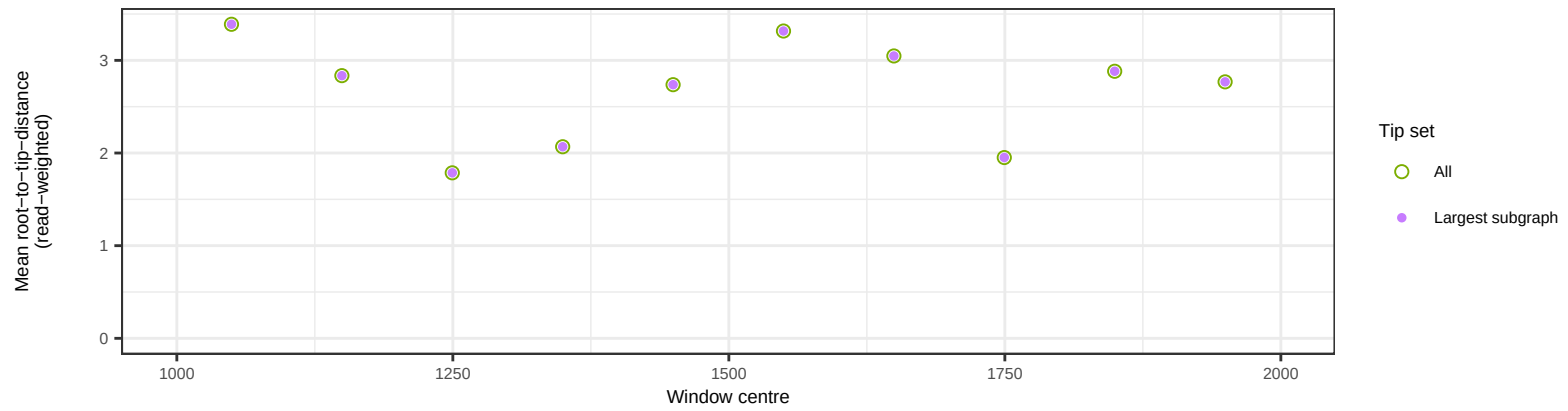

Mean root−to−tip−distance
(read−weighted)
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

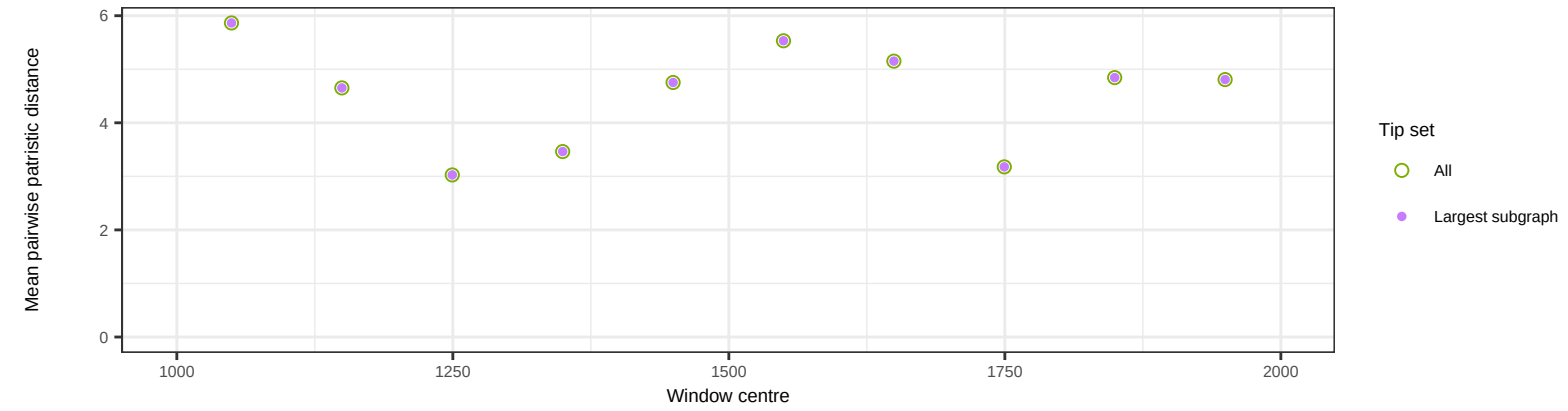

Mean pairwise patristic distance
8
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

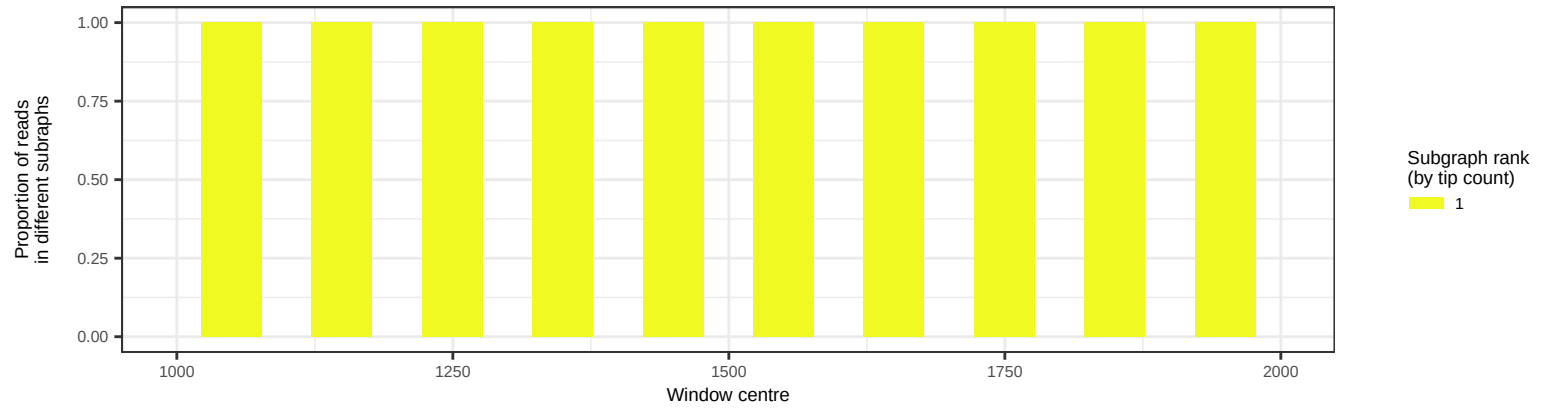

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

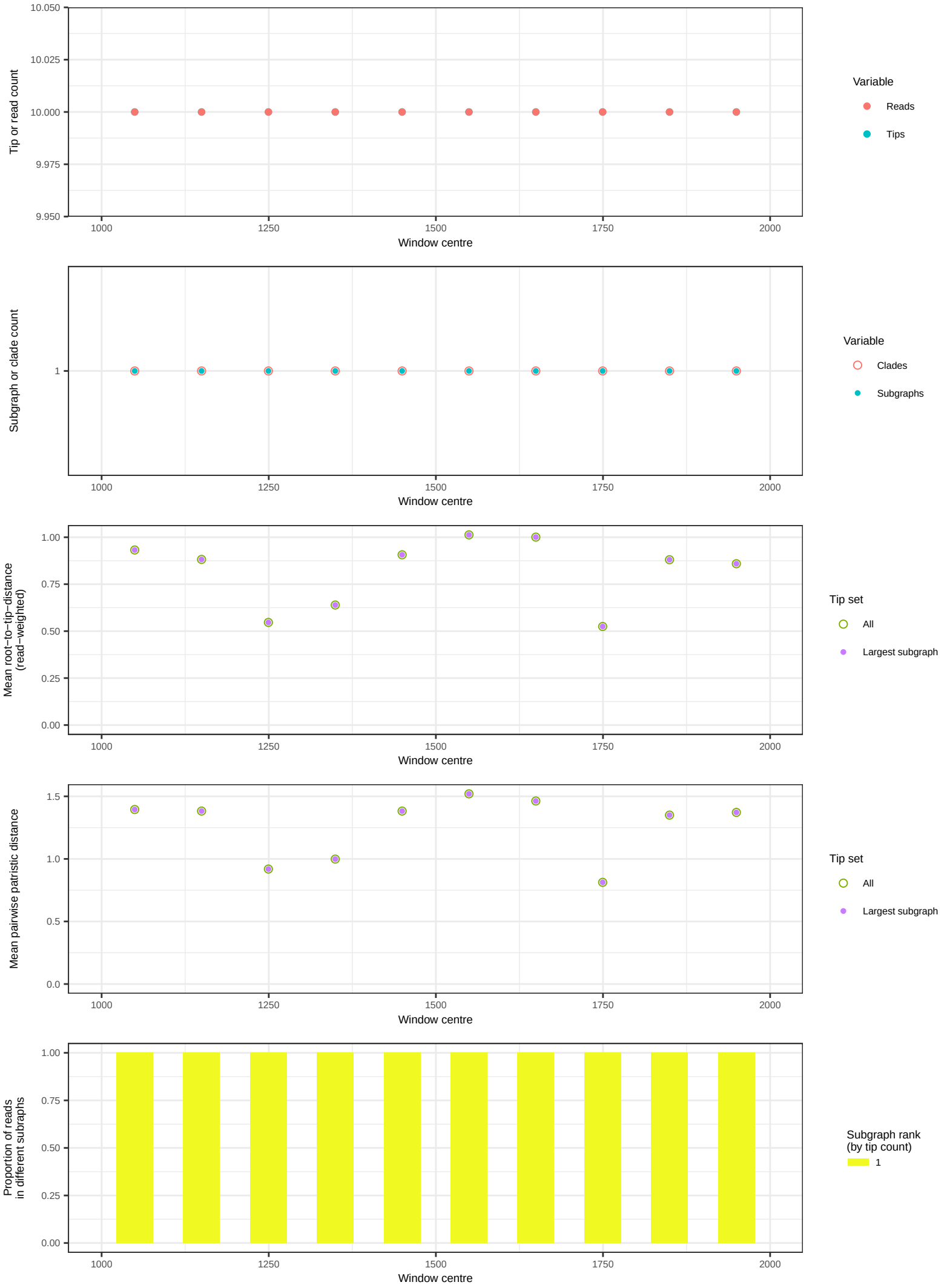

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

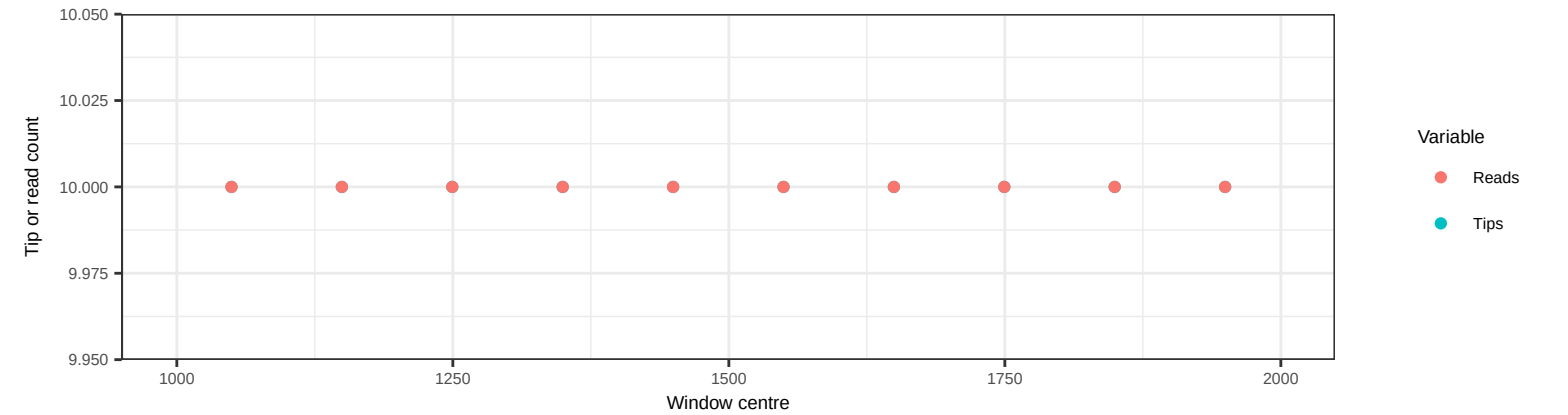

Subgraph or clade count
6
5
4
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

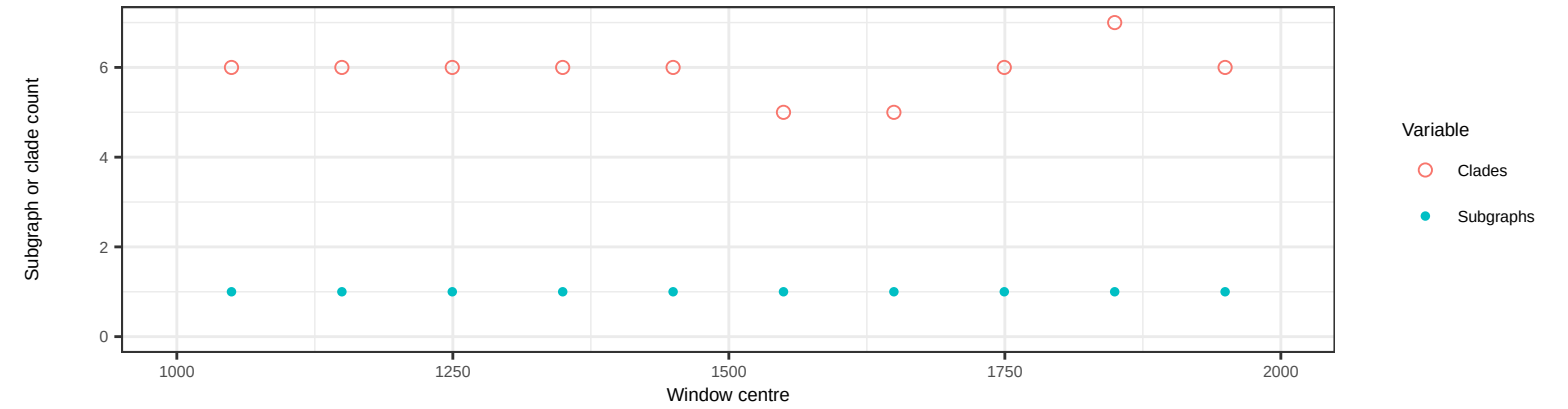

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

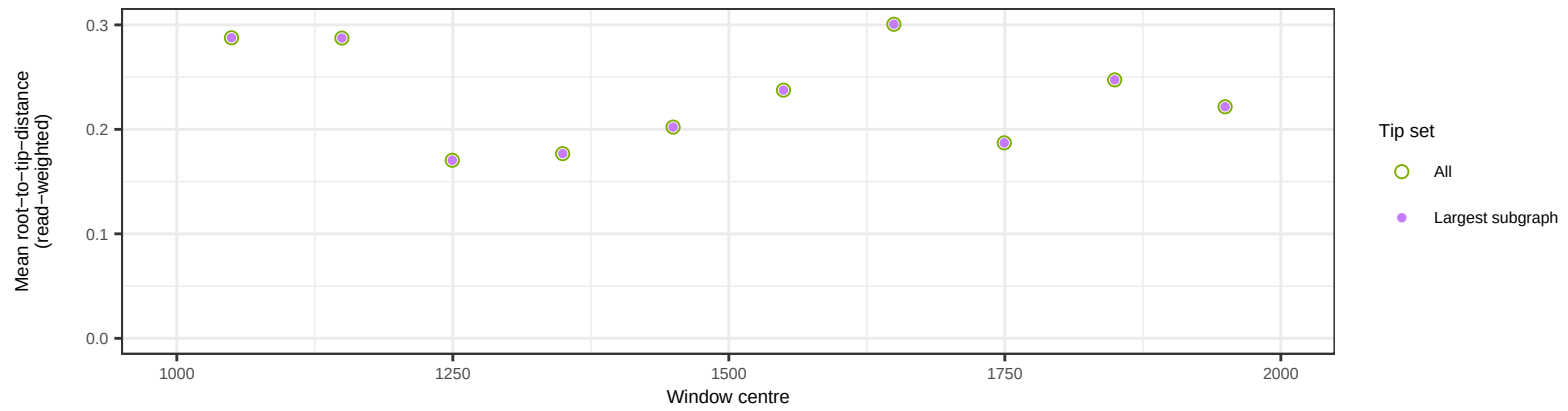

Mean pairwise patristic distance
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

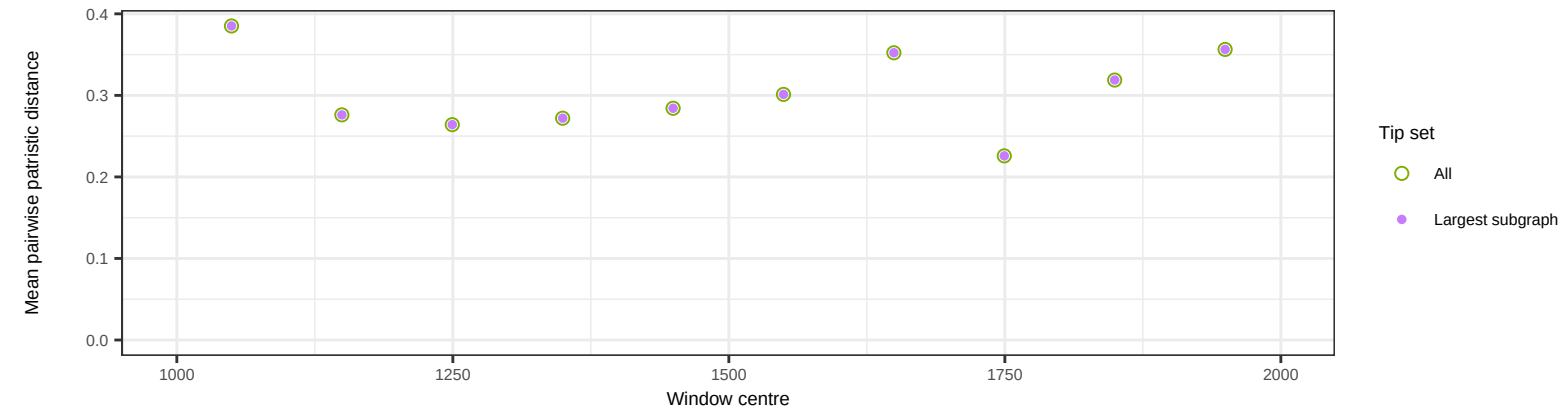

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

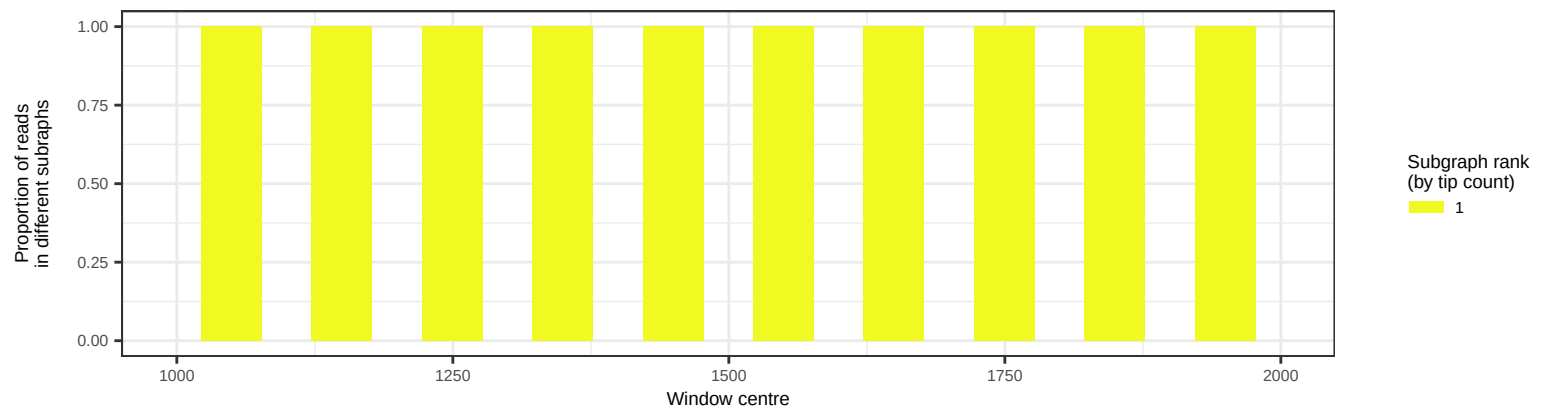

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
1.00
0.75
0.50
0.25
0.00
Tip set
All
Largest subgraph
Mean pairwise patristic distance
1.5
1.0
0.5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

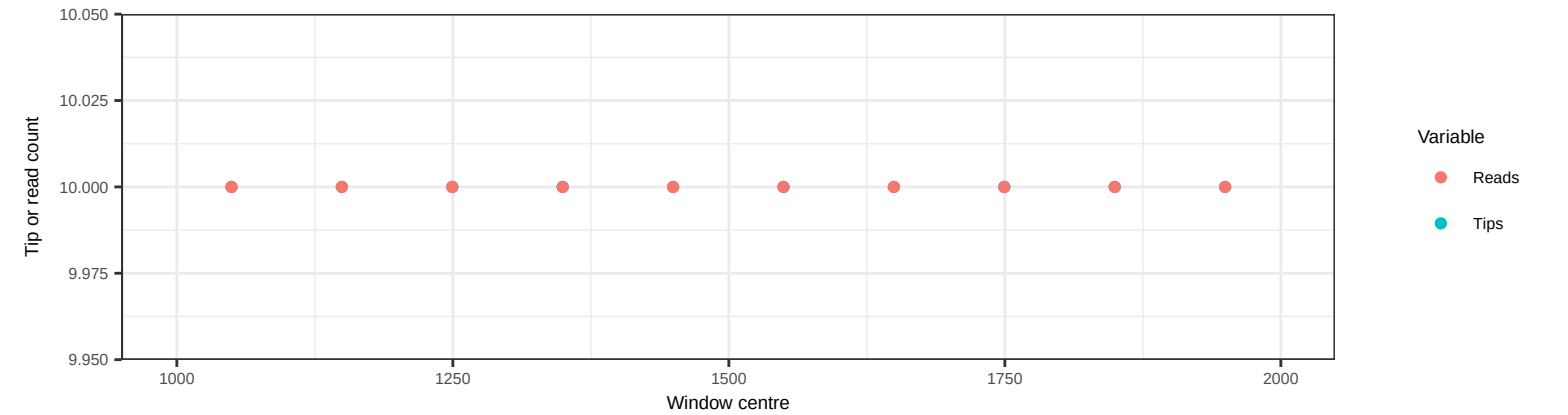

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

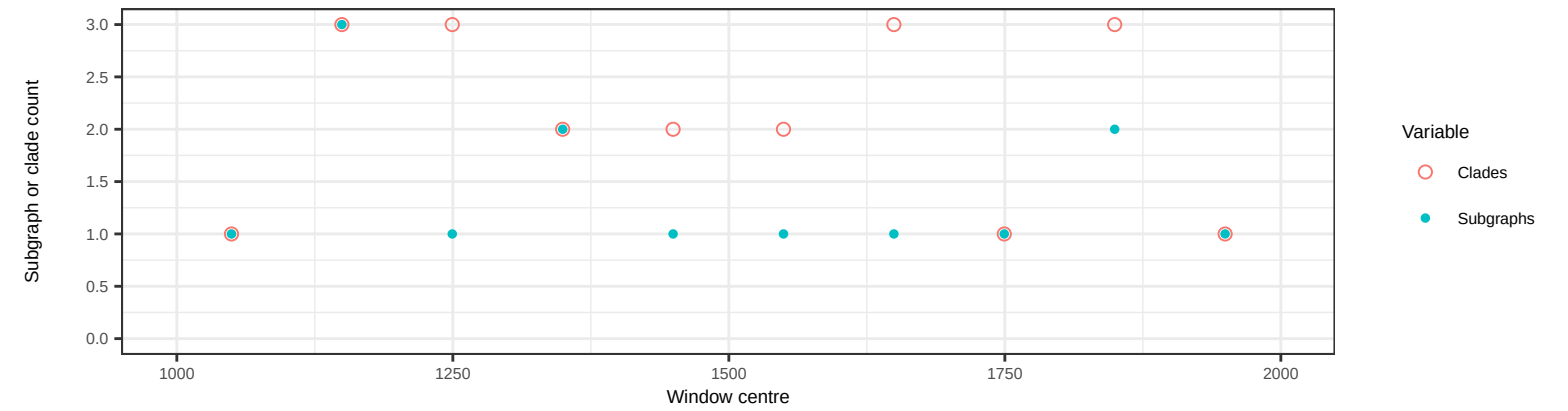

Subgraph or clade count
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

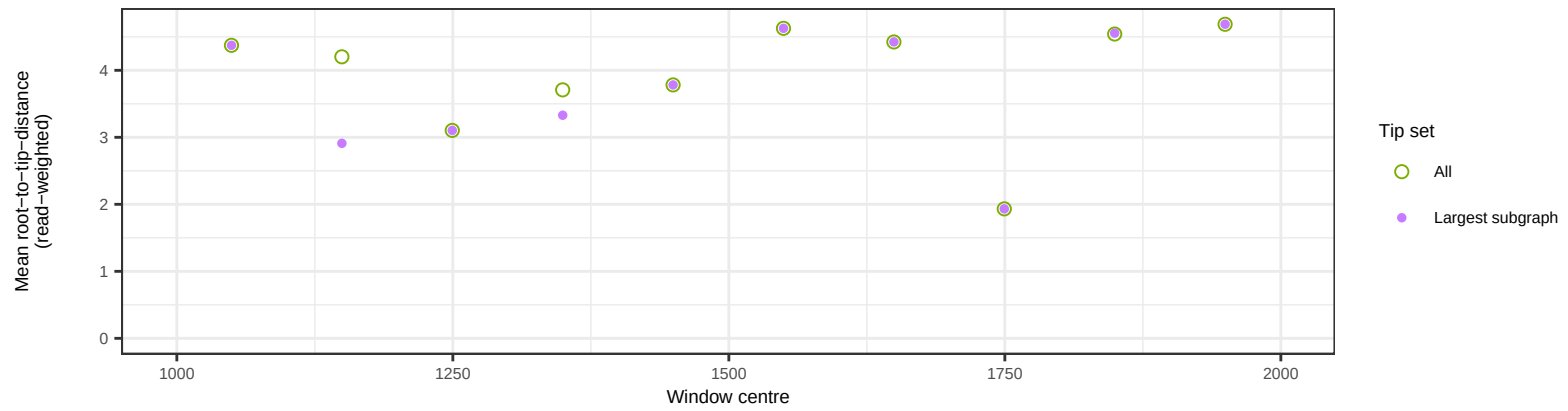

Mean root−to−tip−distance
(read−weighted)
0.3
0.2
0.1
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

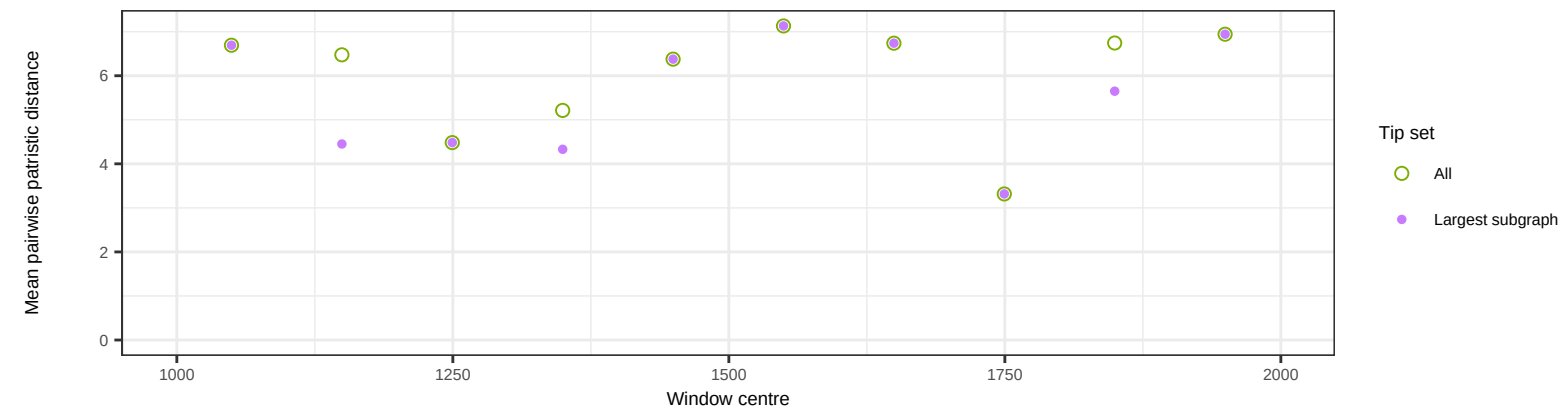

Mean pairwise patristic distance
0.4
0.3
0.2
0.1
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

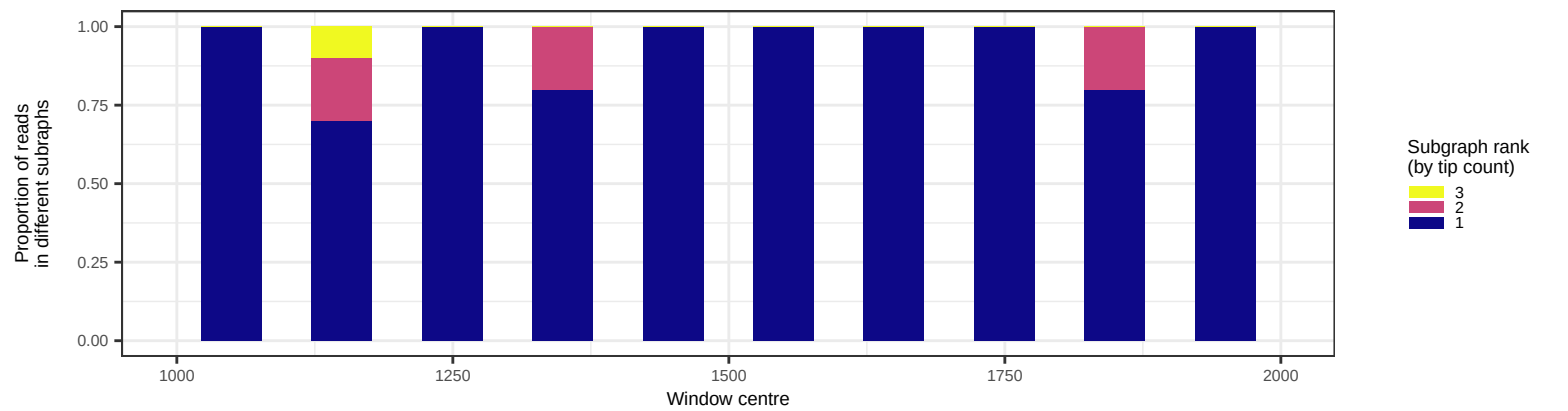

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
1

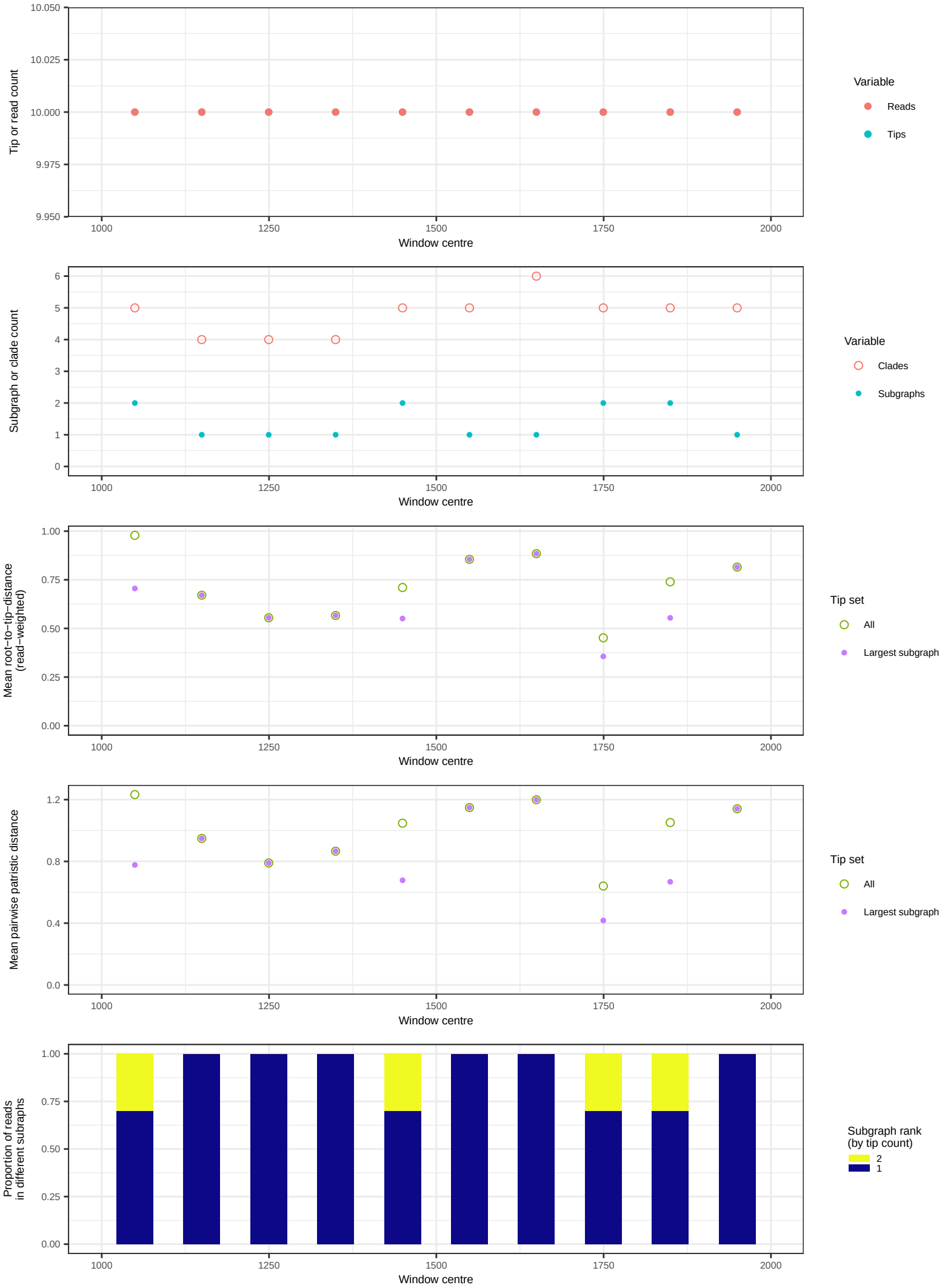

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips

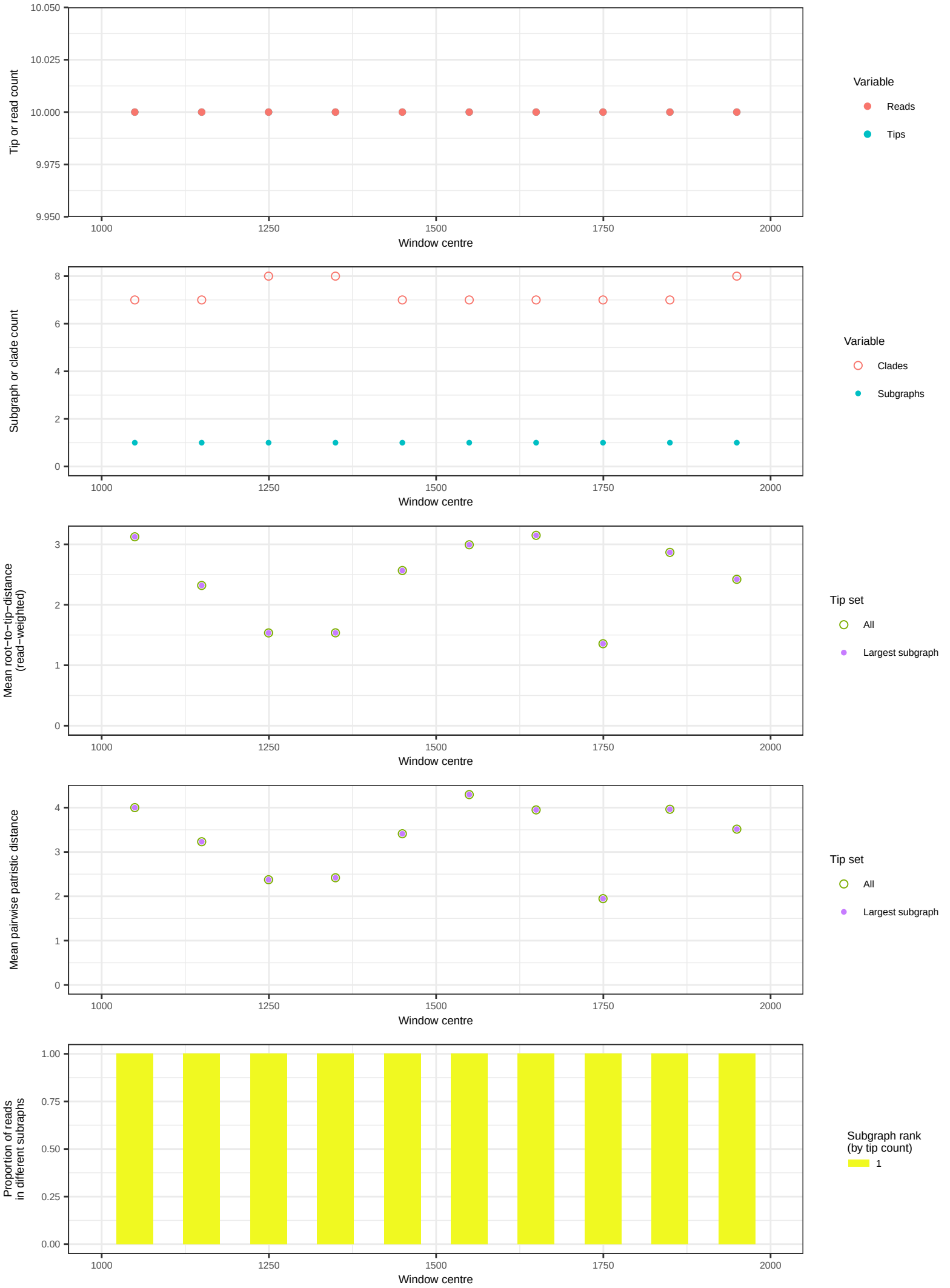

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs


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

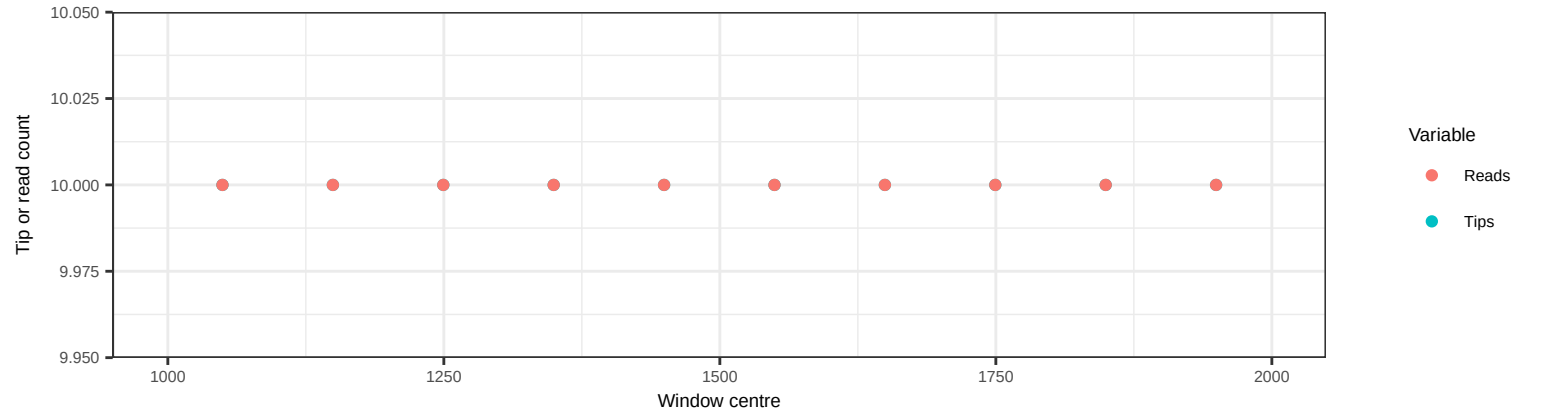

Mean pairwise patristic distance
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

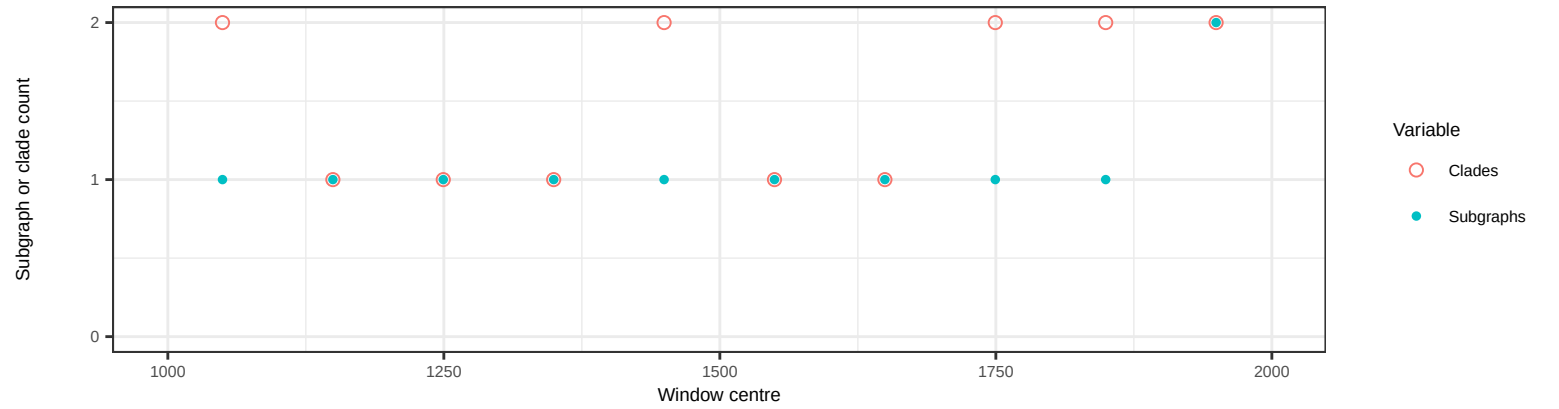

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
3
2
1

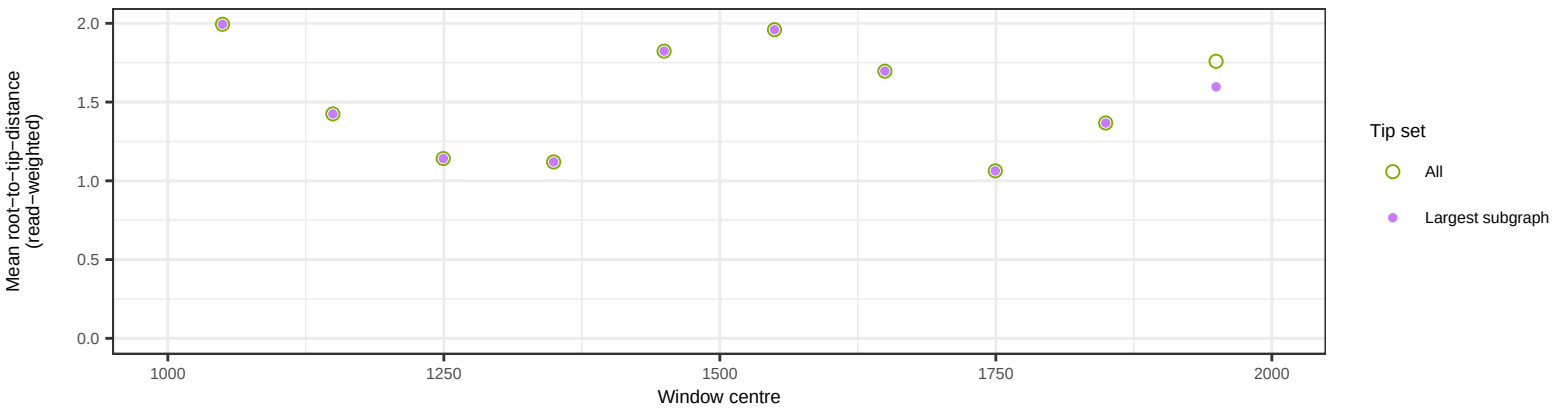

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
6
5
4
3
2
1
0
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
1.00
0.75
0.50
0.25
0.00
Tip set
All
Largest subgraph
Mean pairwise patristic distance
1.2
0.8
0.4
0.0
Proportion of reads in different subraphs
Subgraph rank (by tip count)
2
1

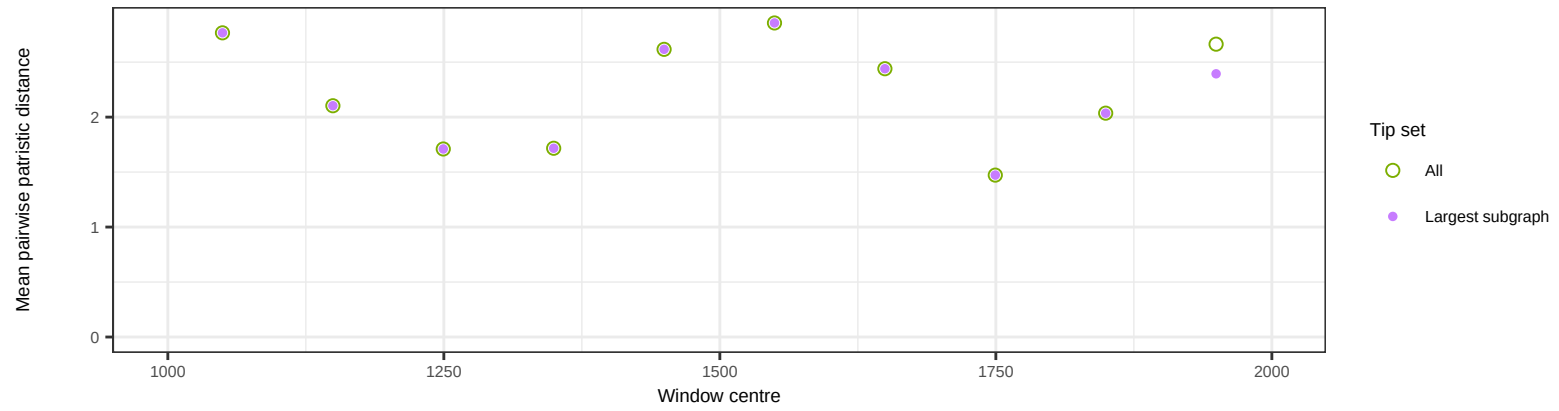

Tip or read count
10.050
10.025
10.000
9.975
9.950
1000
1250
1500
1750
2000
Window centre
Variable
Reads
Tips
Subgraph or clade count
8
6
4
2
0
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
3
2
1
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
4
3
2
1
0
Tip set
All
Largest subgraph
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
1

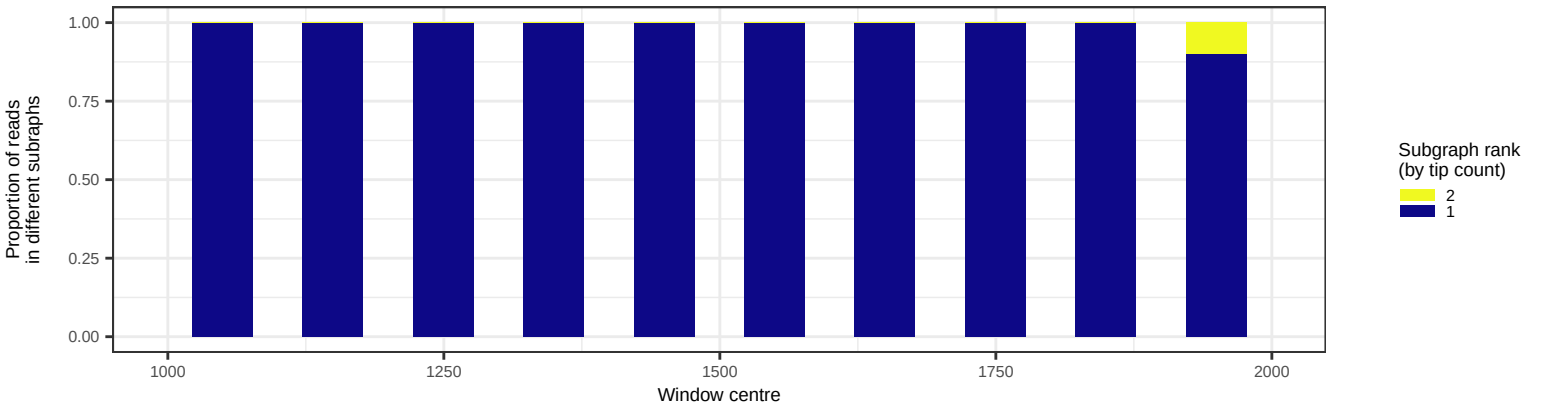
922


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

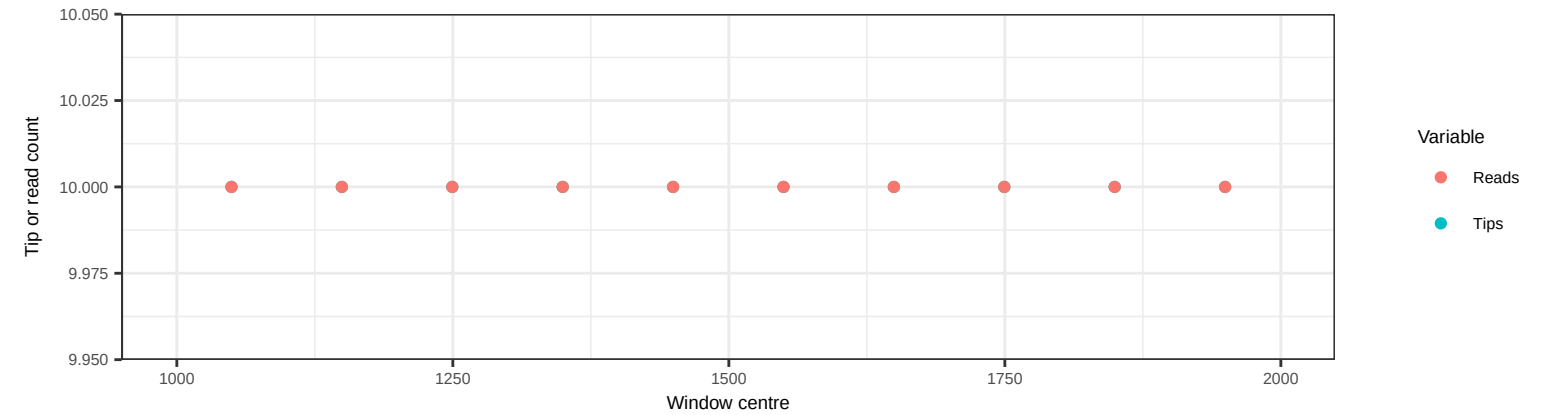

Subgraph or clade count
2
1
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

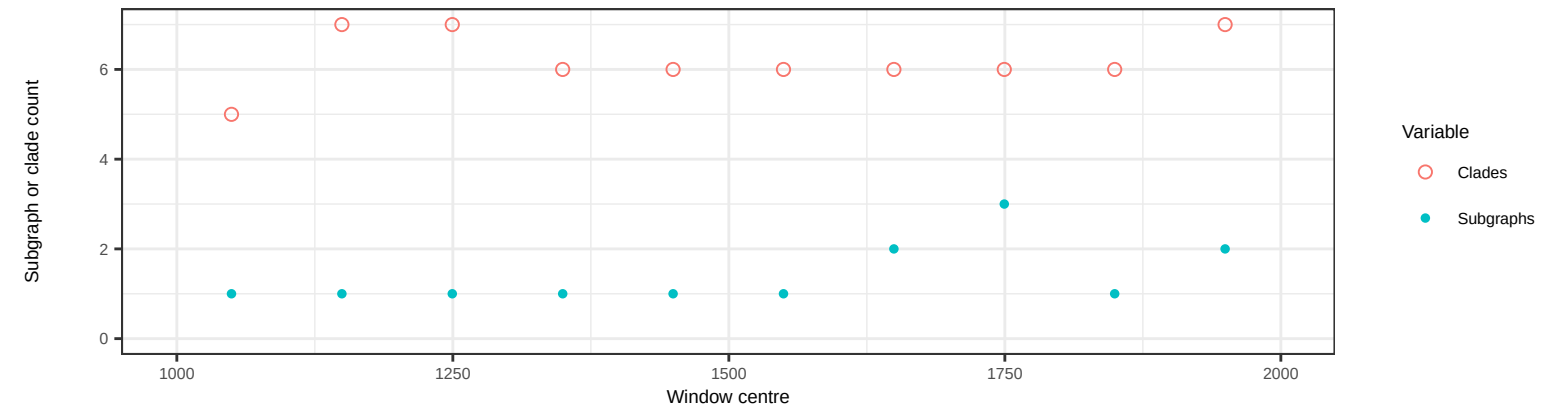

Mean root−to−tip−distance
(read−weighted)
2.0
1.5
1.0
0.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

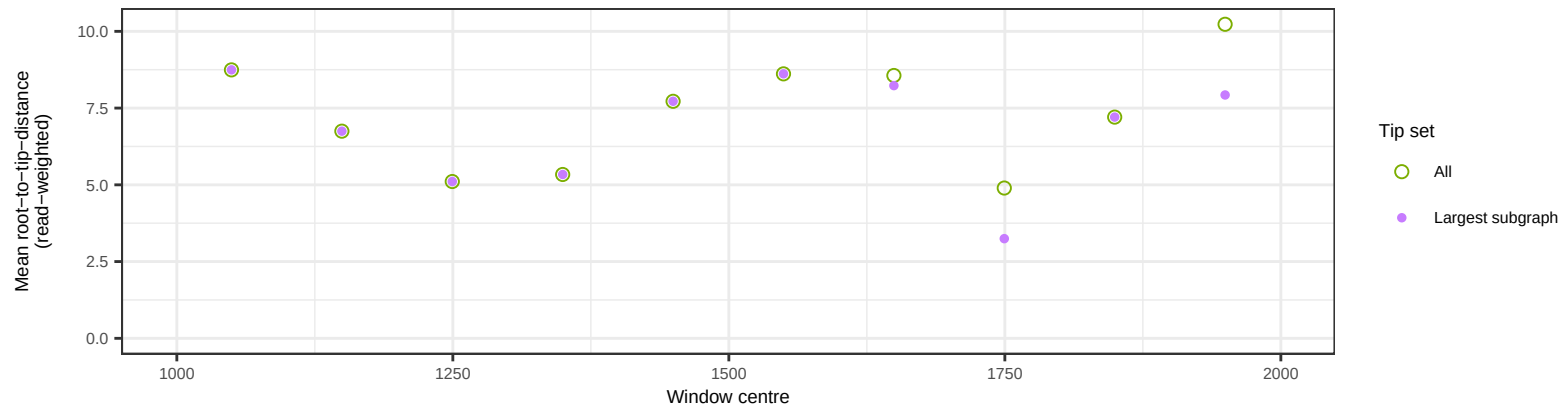

Mean pairwise patristic distance
2
1
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

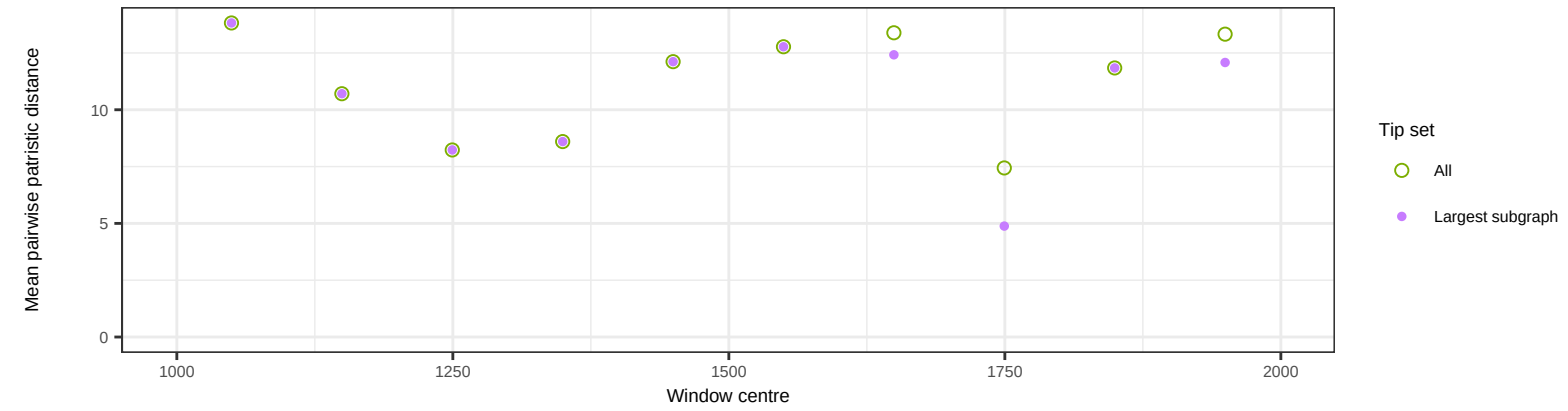

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
2
1

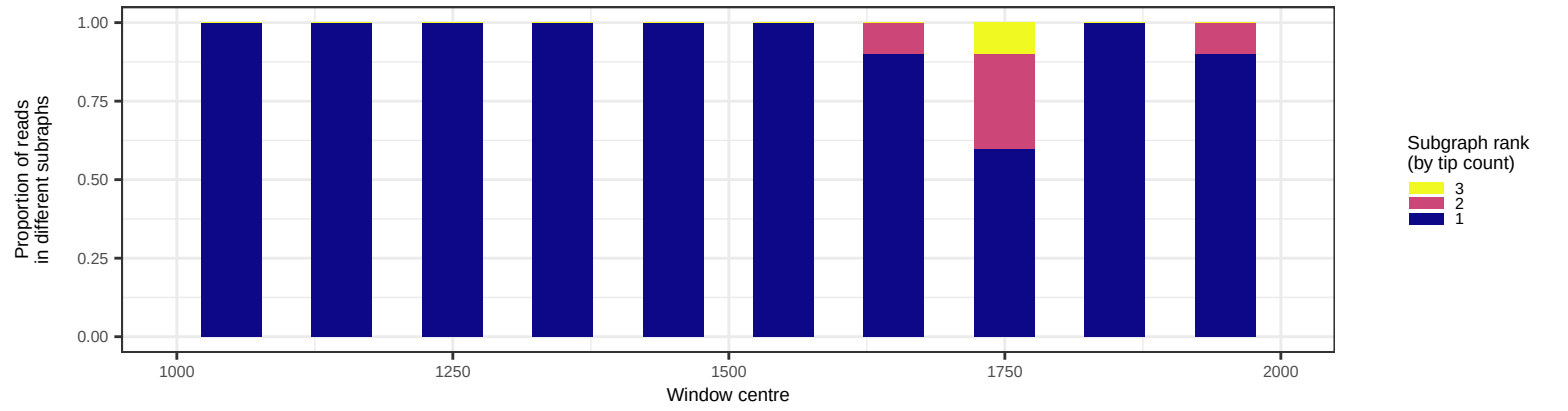
941


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

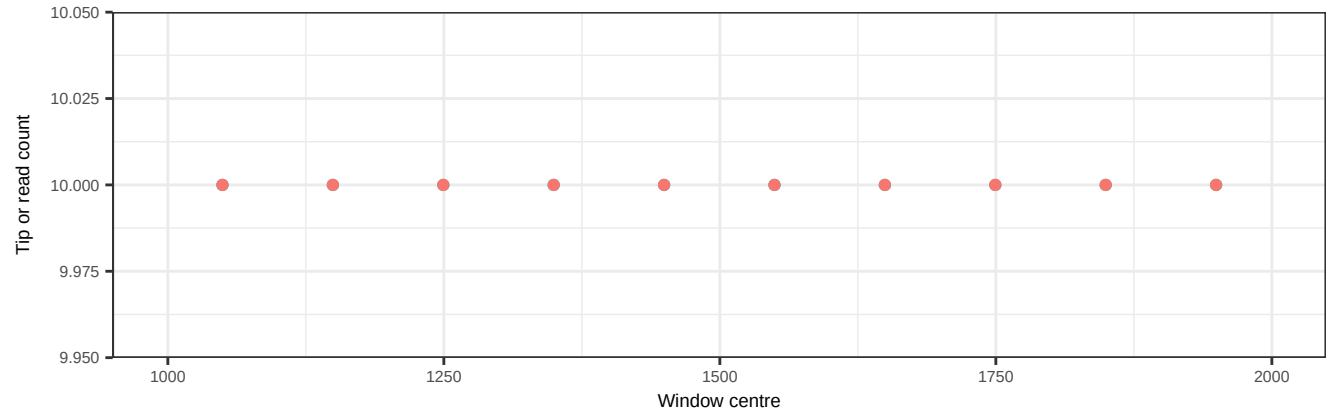

Subgraph or clade count
6
4
2
0
1000
1250
1500
1750
2000
Window centre
Variable
Clades
Subgraphs

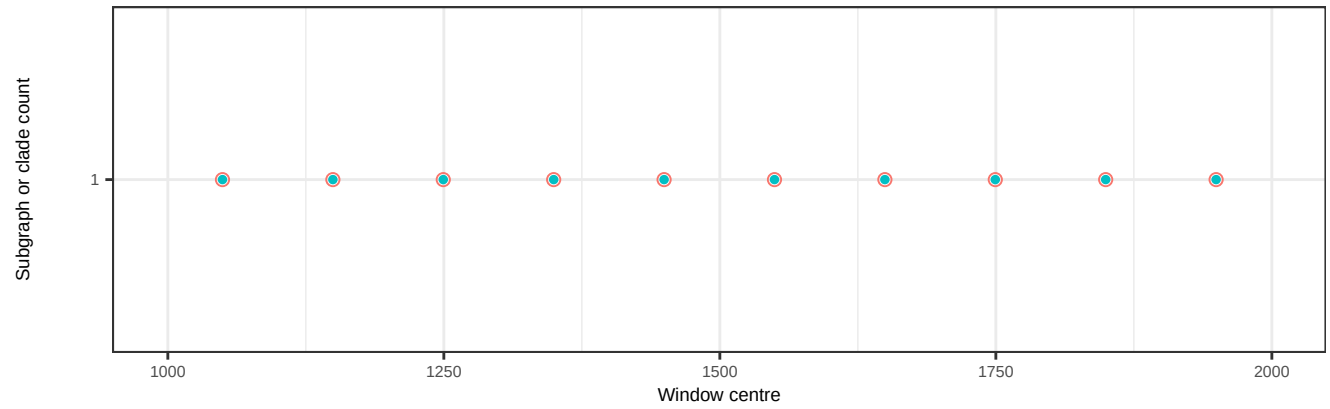

Mean root−to−tip−distance
(read−weighted)
10.0
7.5
5.0
2.5
0.0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

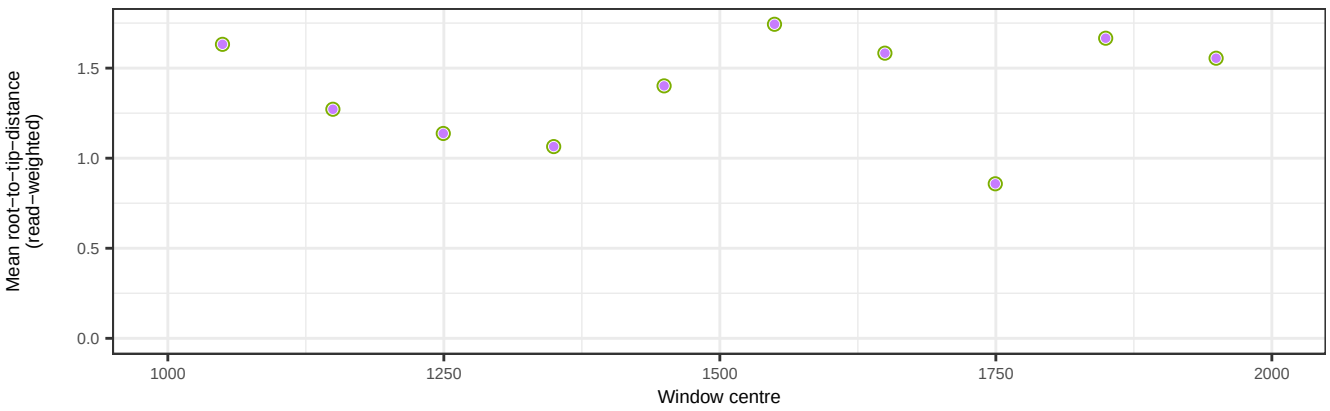

Mean pairwise patristic distance
10
5
0
1000
1250
1500
1750
2000
Window centre
Tip set
All
Largest subgraph

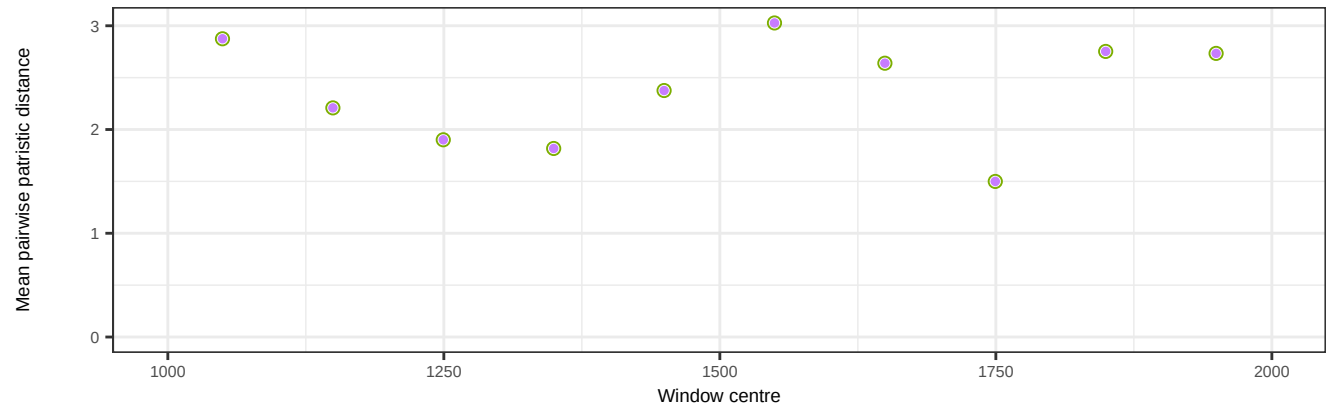

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
1000
1250
1500
1750
2000
Window centre
Subgraph rank
(by tip count)
3
2
1

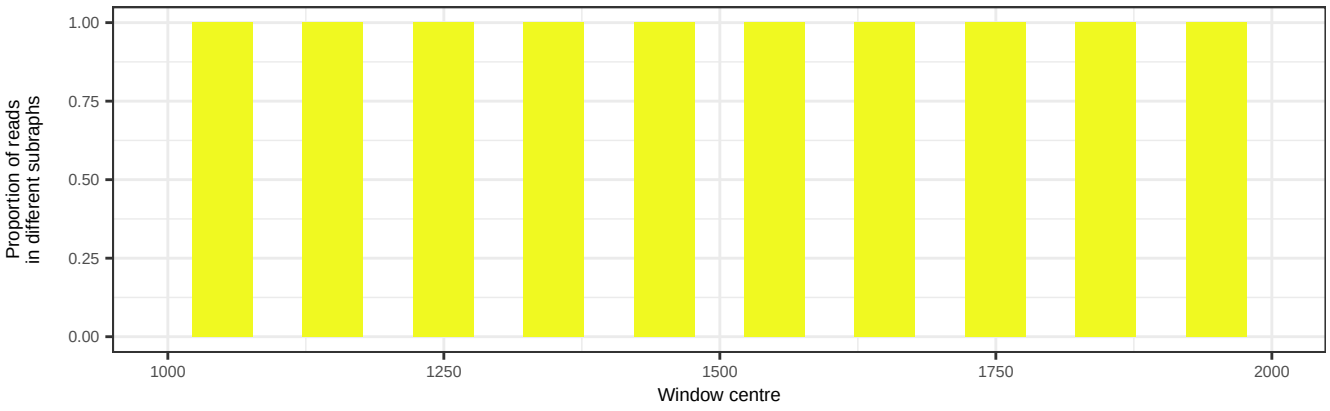
943


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)
1.5
1.0
0.5
0.0
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