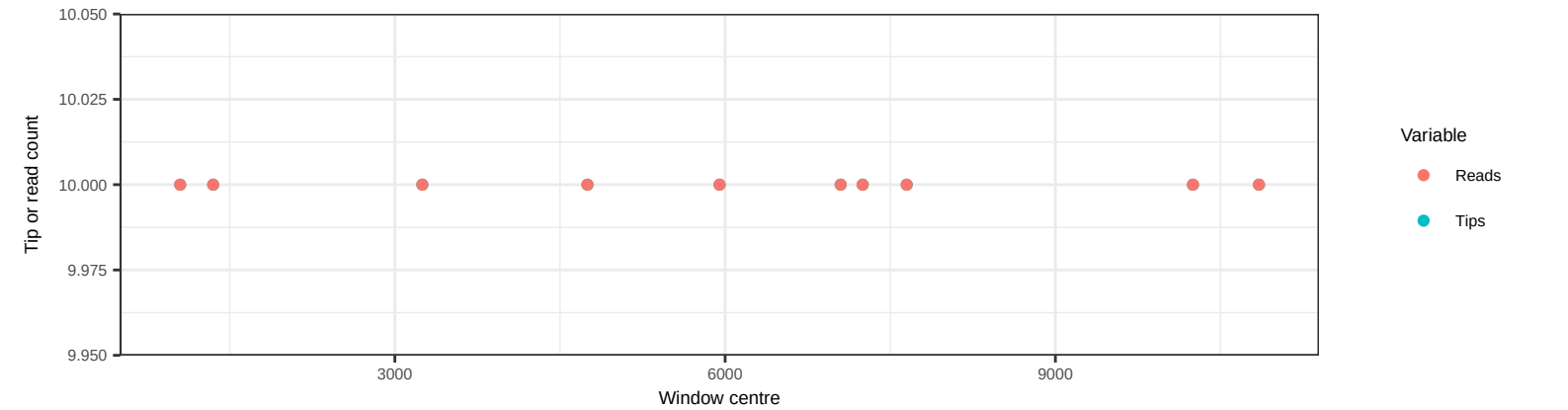
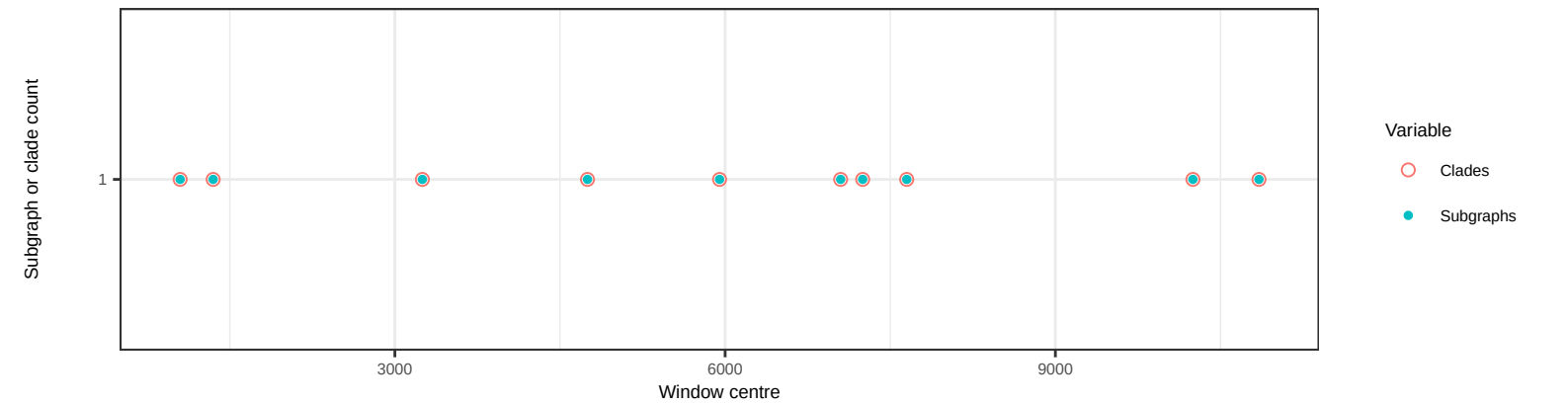
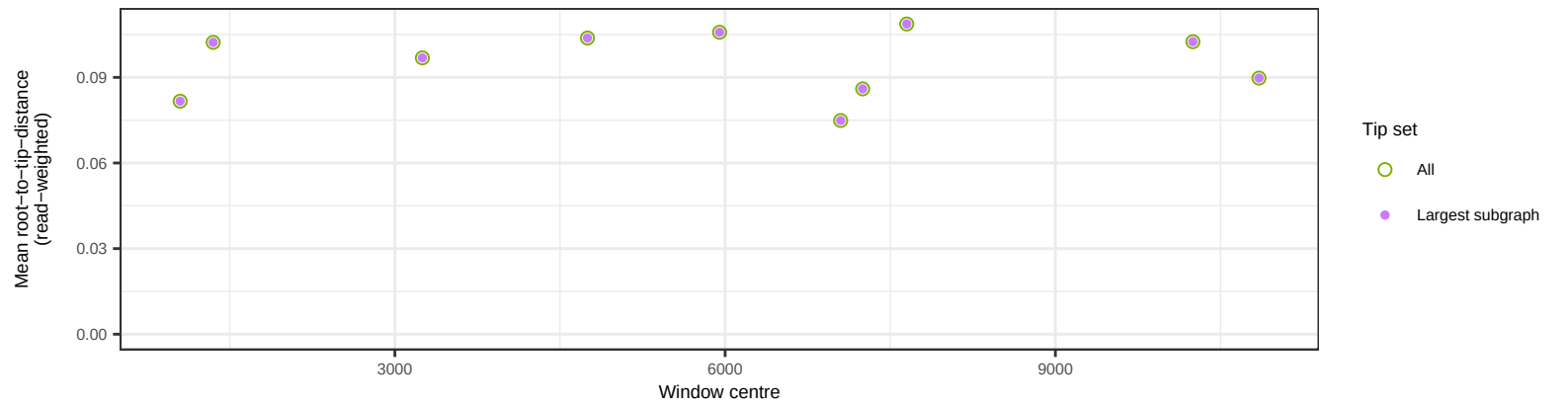
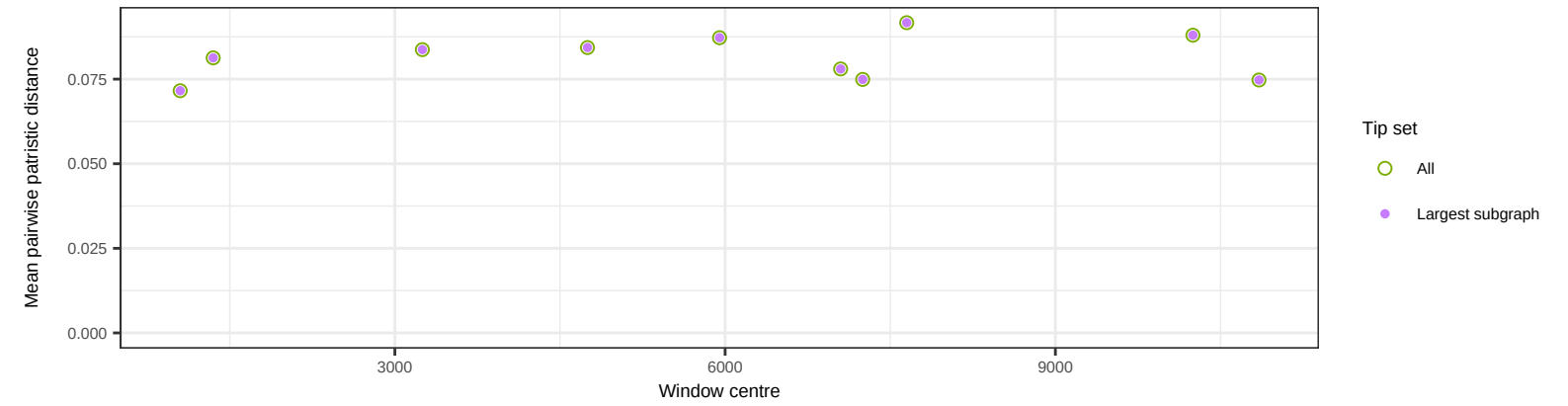
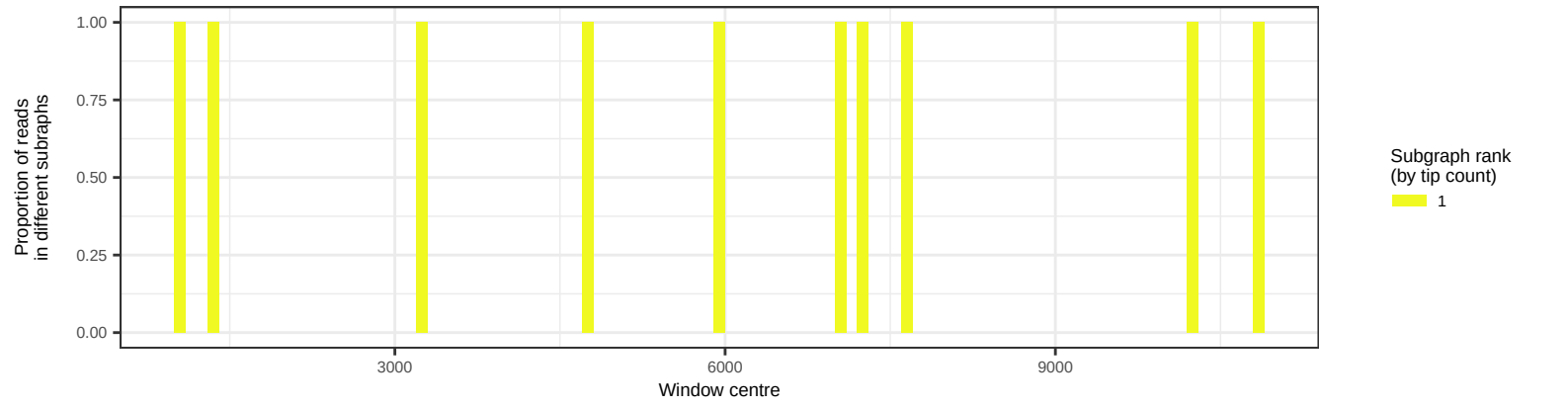
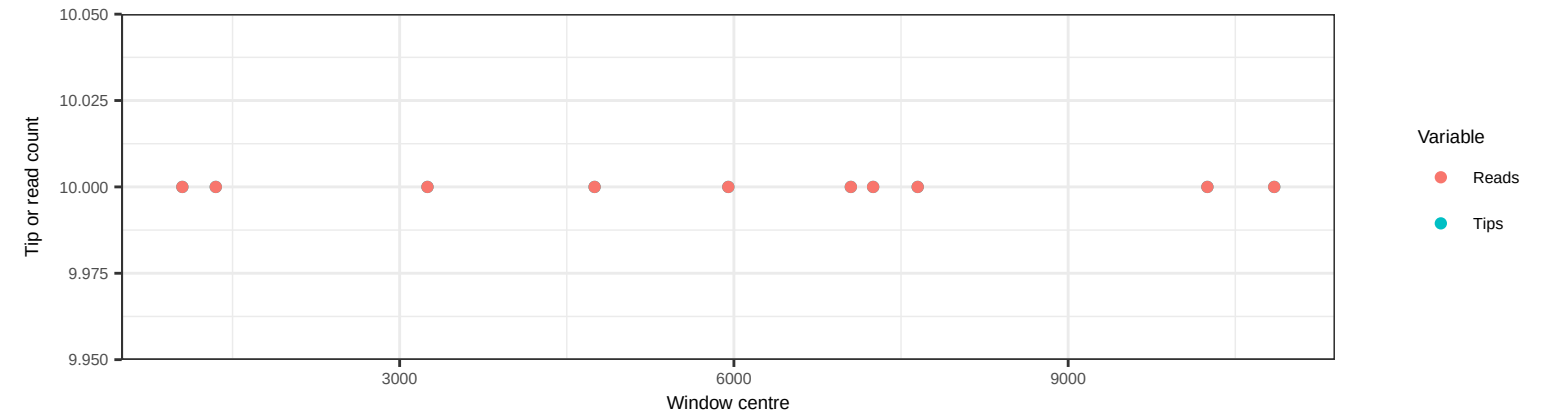

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

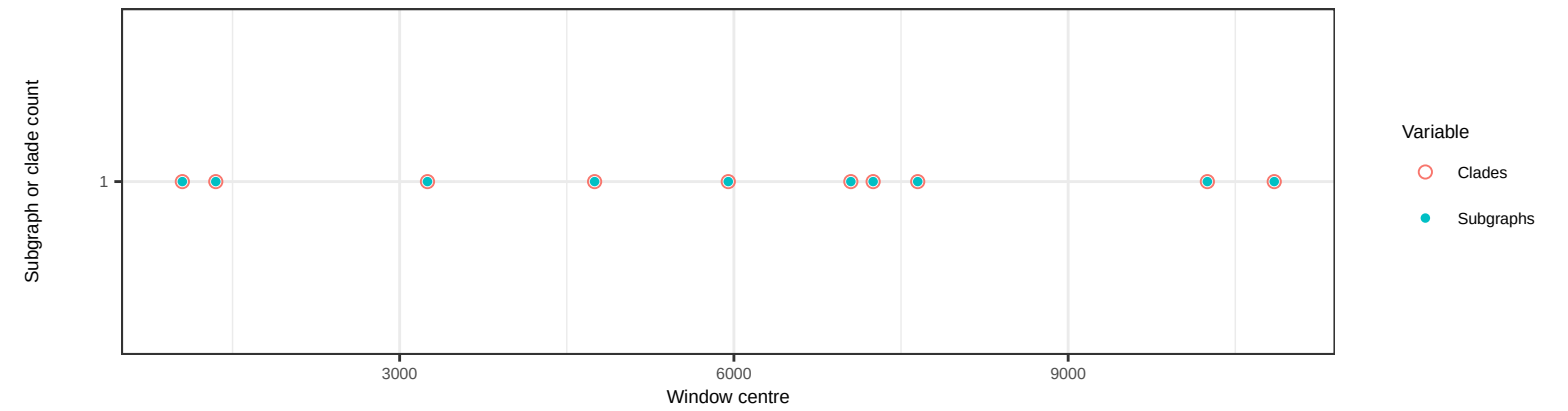

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

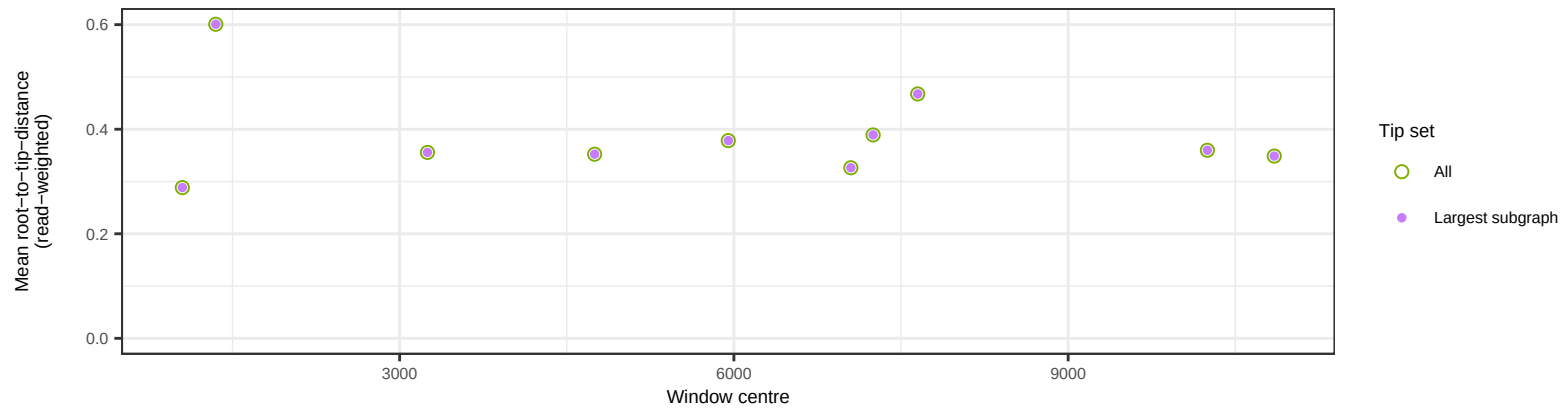

Mean root−to−tip−distance
(read−weighted)
0.09
0.06
0.03
0.00
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

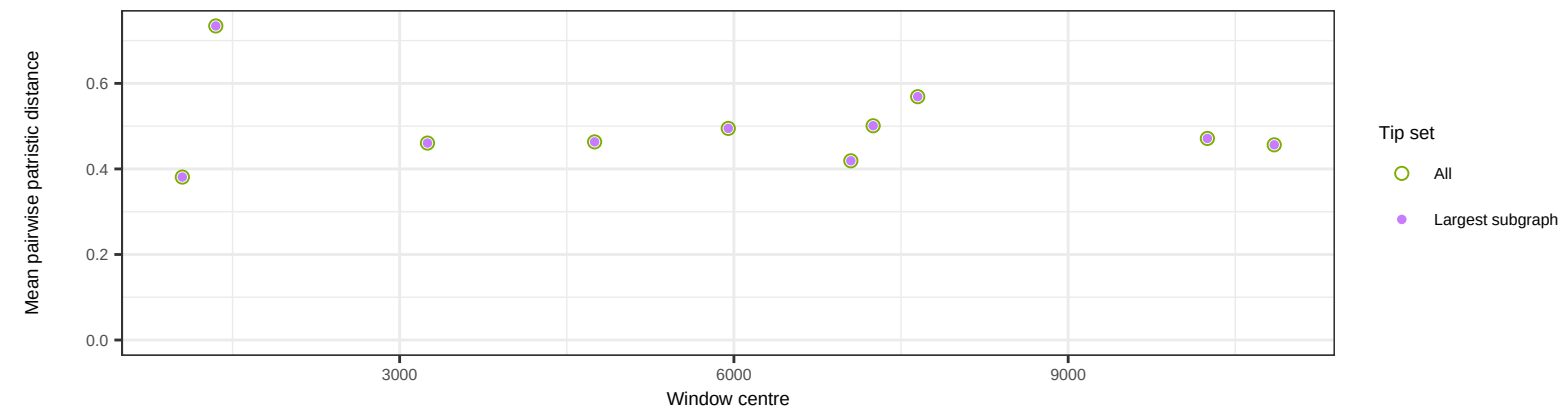

Mean pairwise patristic distance
0.075
0.050
0.025
0.000
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

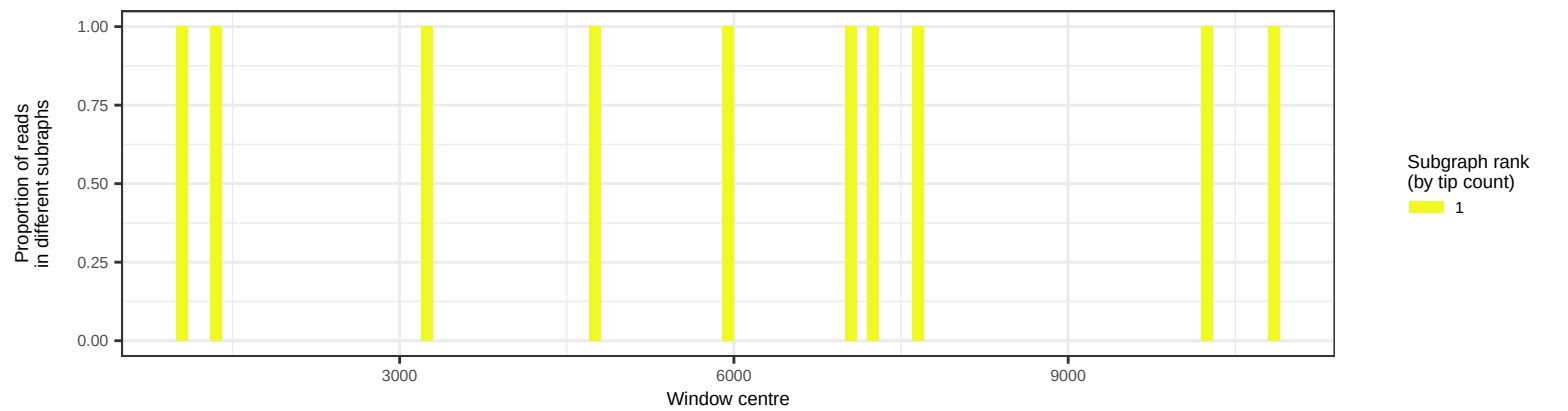

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

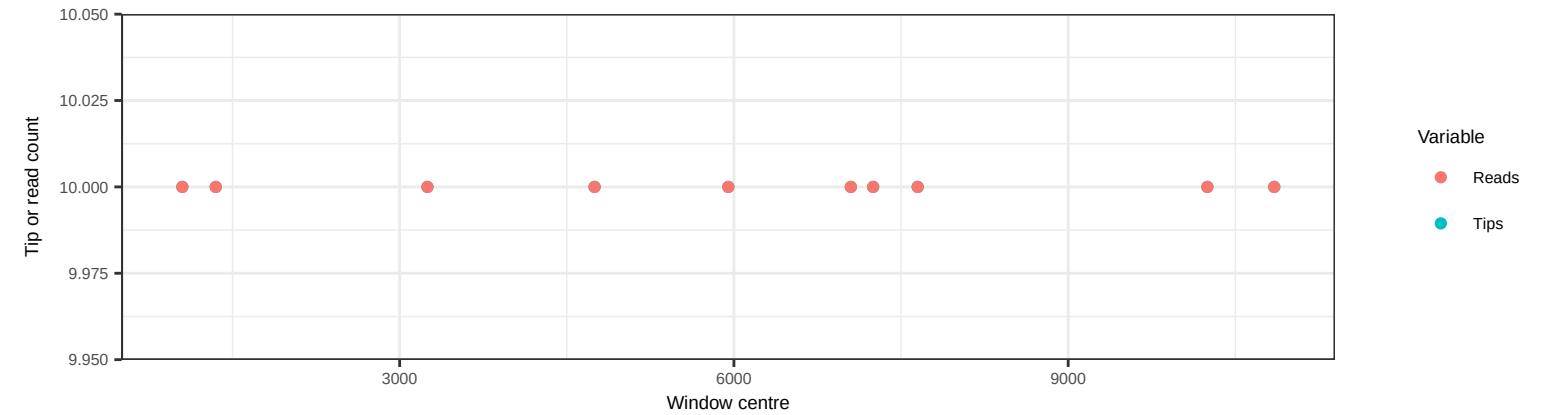

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

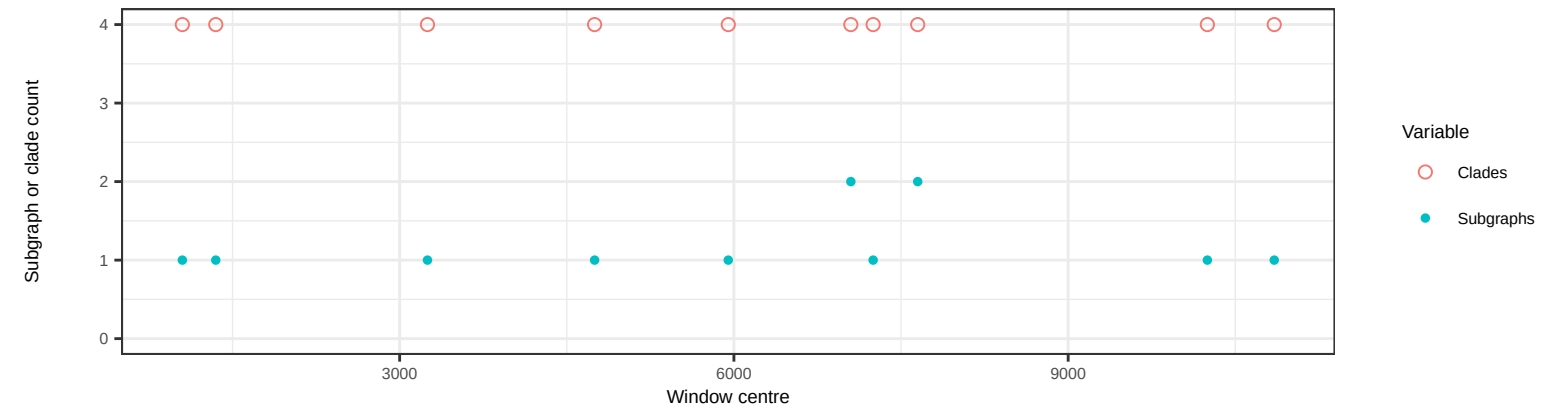

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

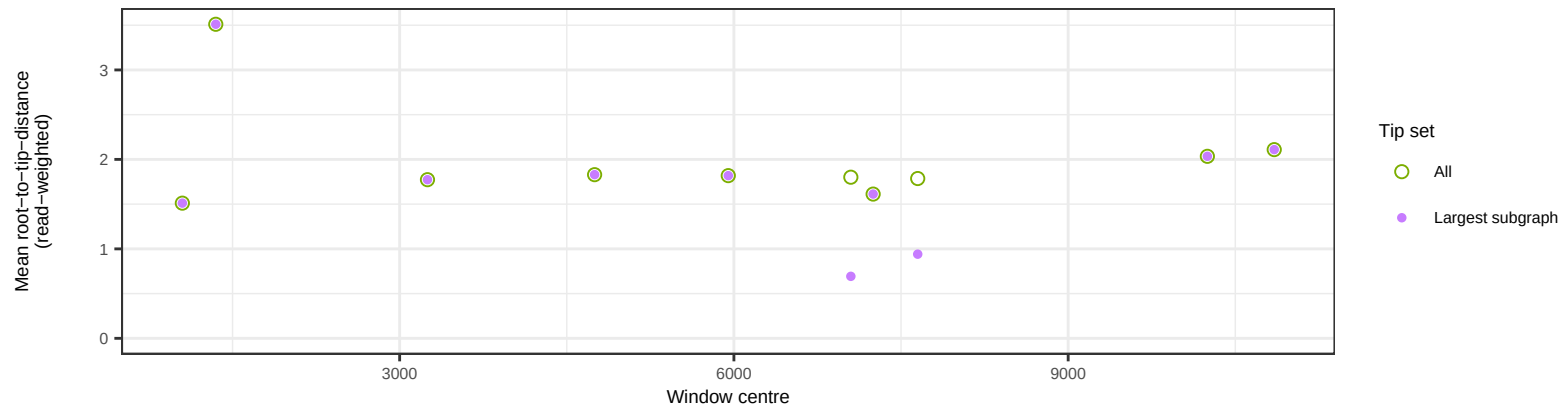

0.6
0.4
0.2
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

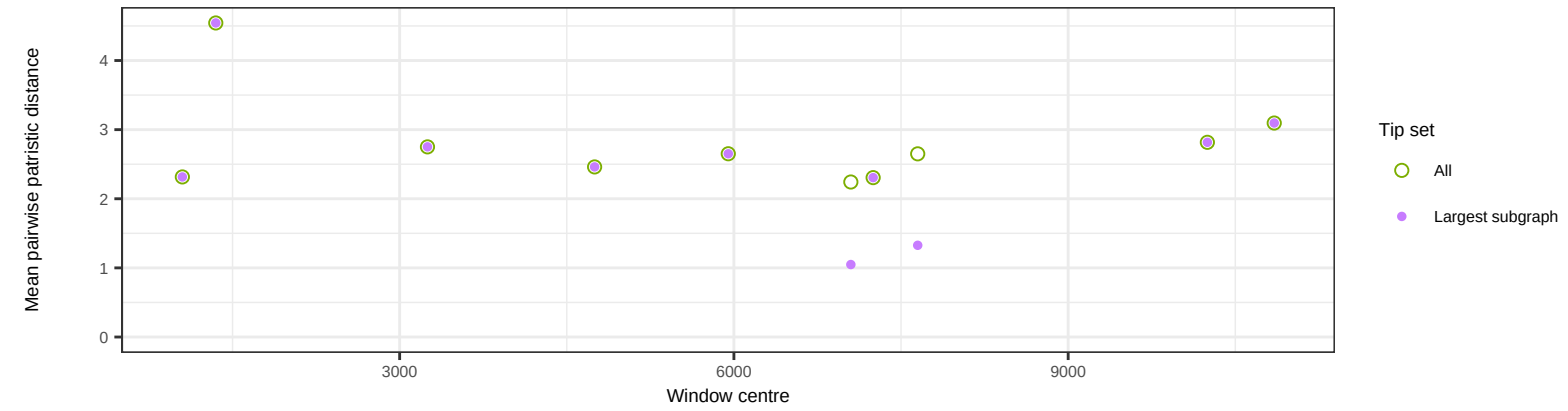

0.6
0.4
0.2
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

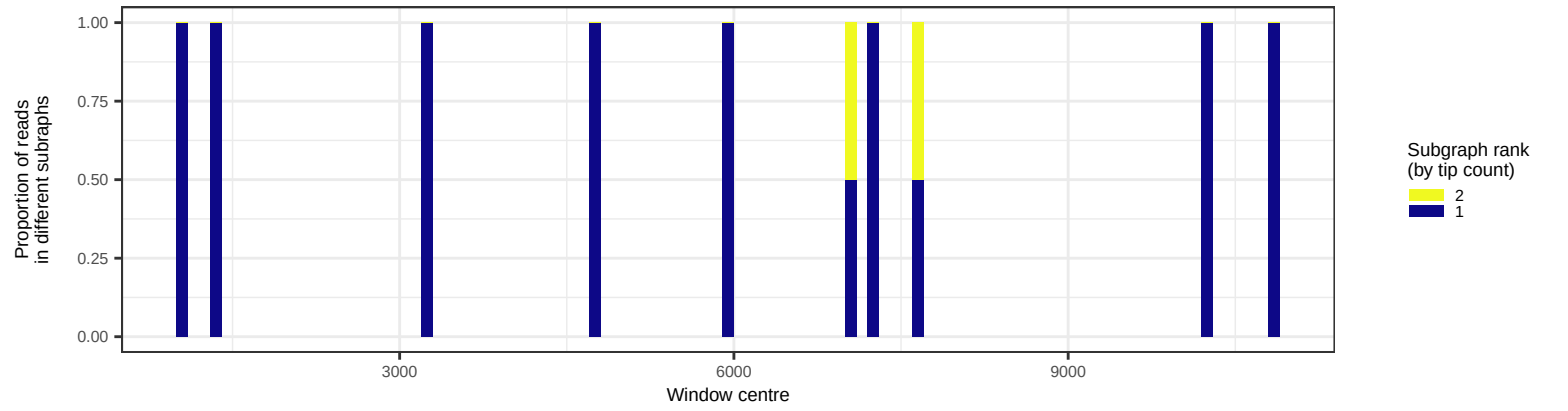

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

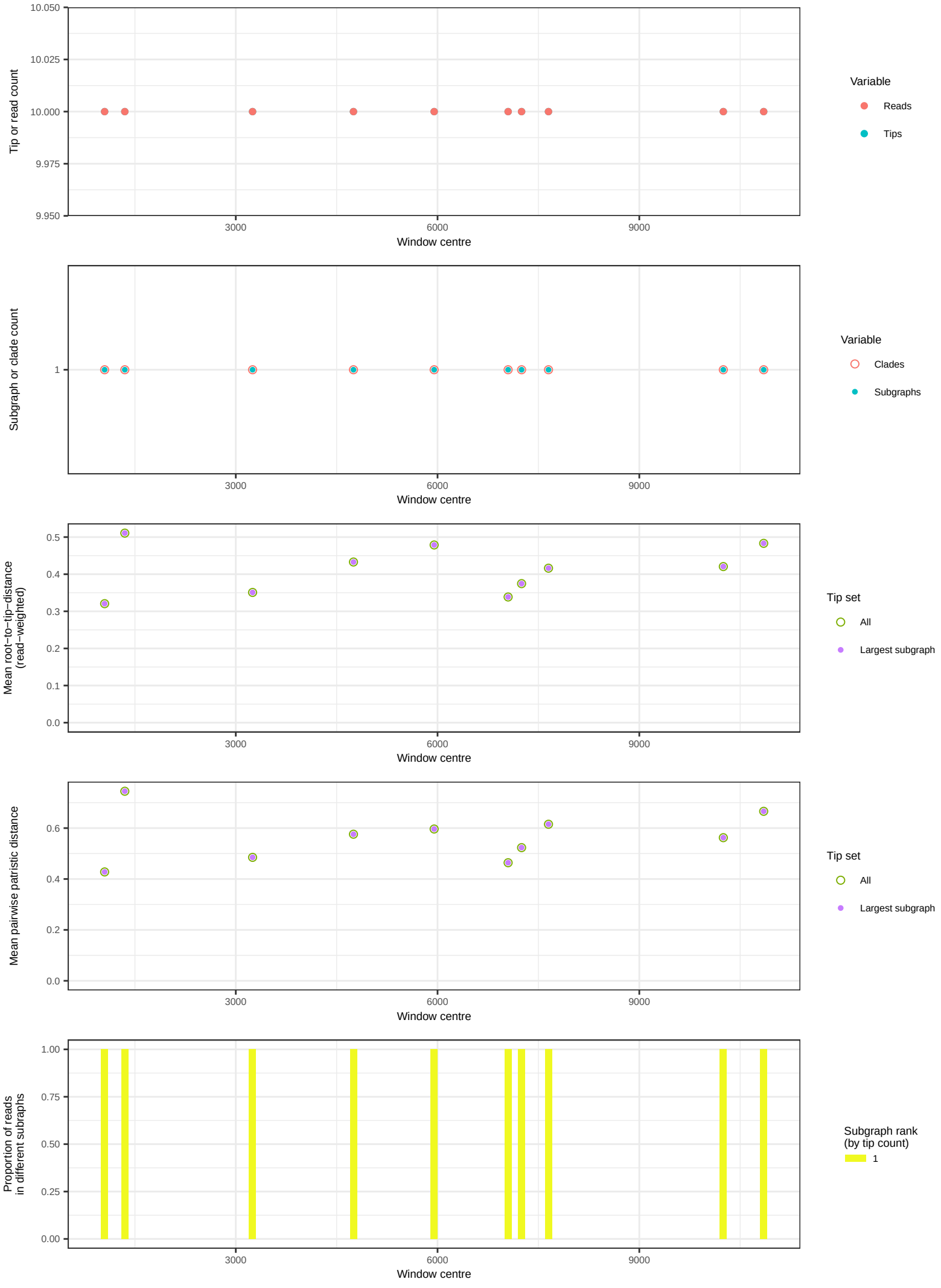

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

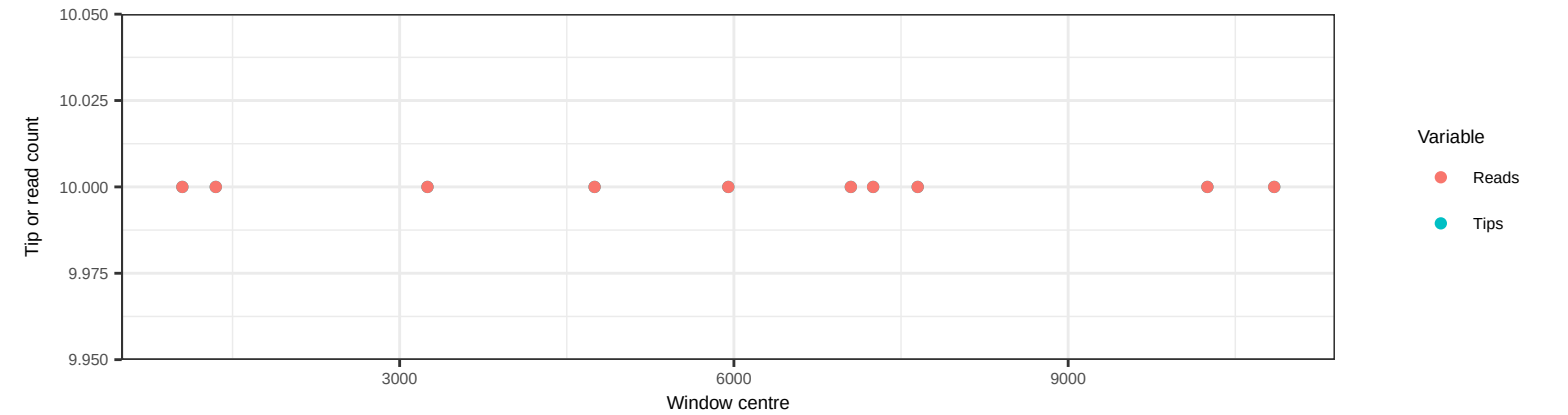

Subgraph or clade count
4
3
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

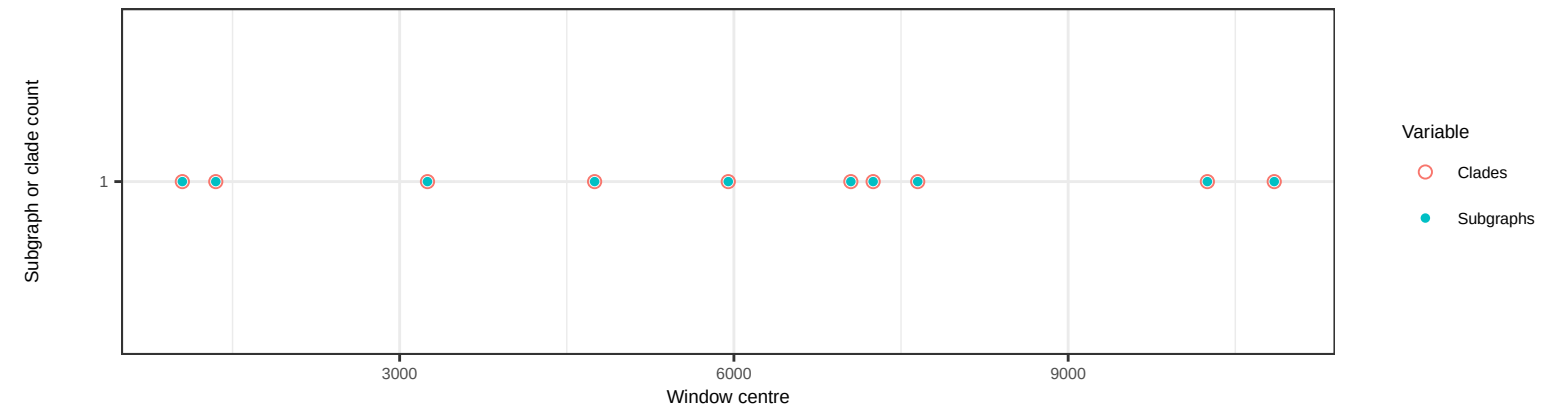

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

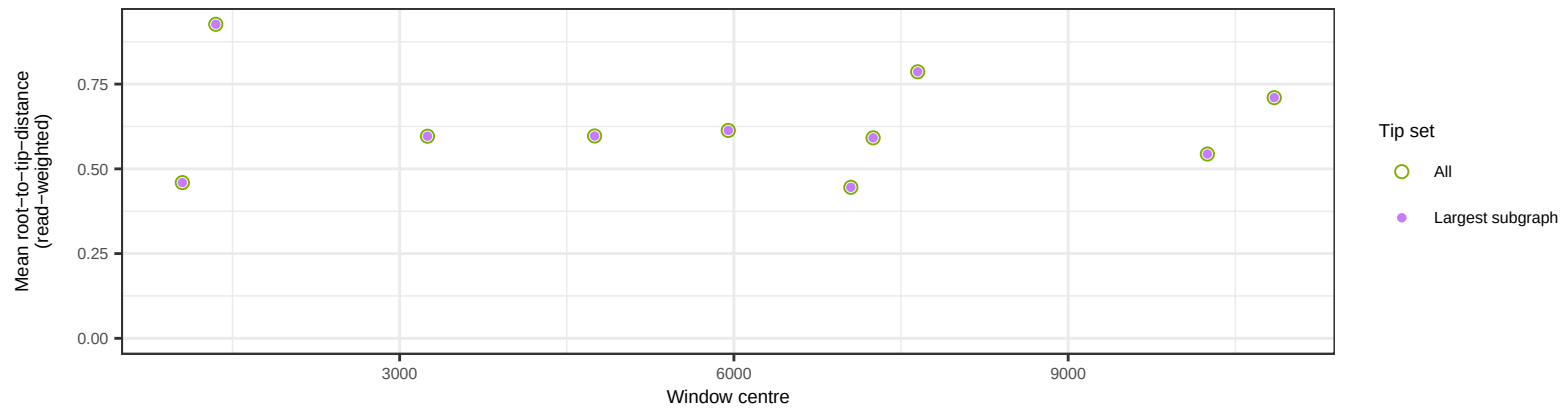

Mean pairwise patristic distance
4
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

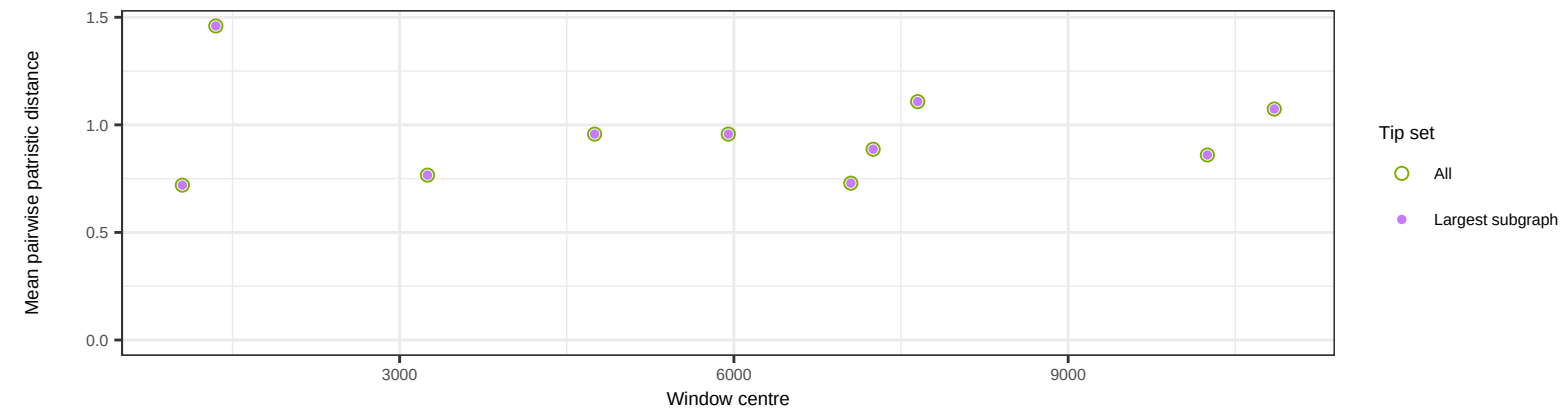

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
2
1

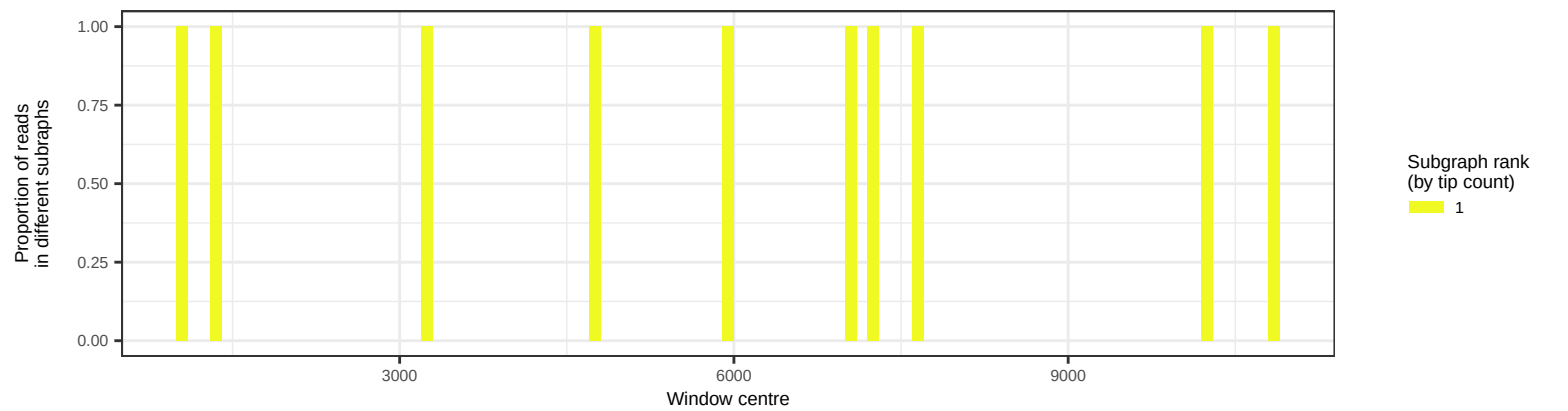

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
0.5
0.4
0.3
0.2
0.1
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph
Mean pairwise patristic distance
0.6
0.4
0.2
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank (by tip count)
1

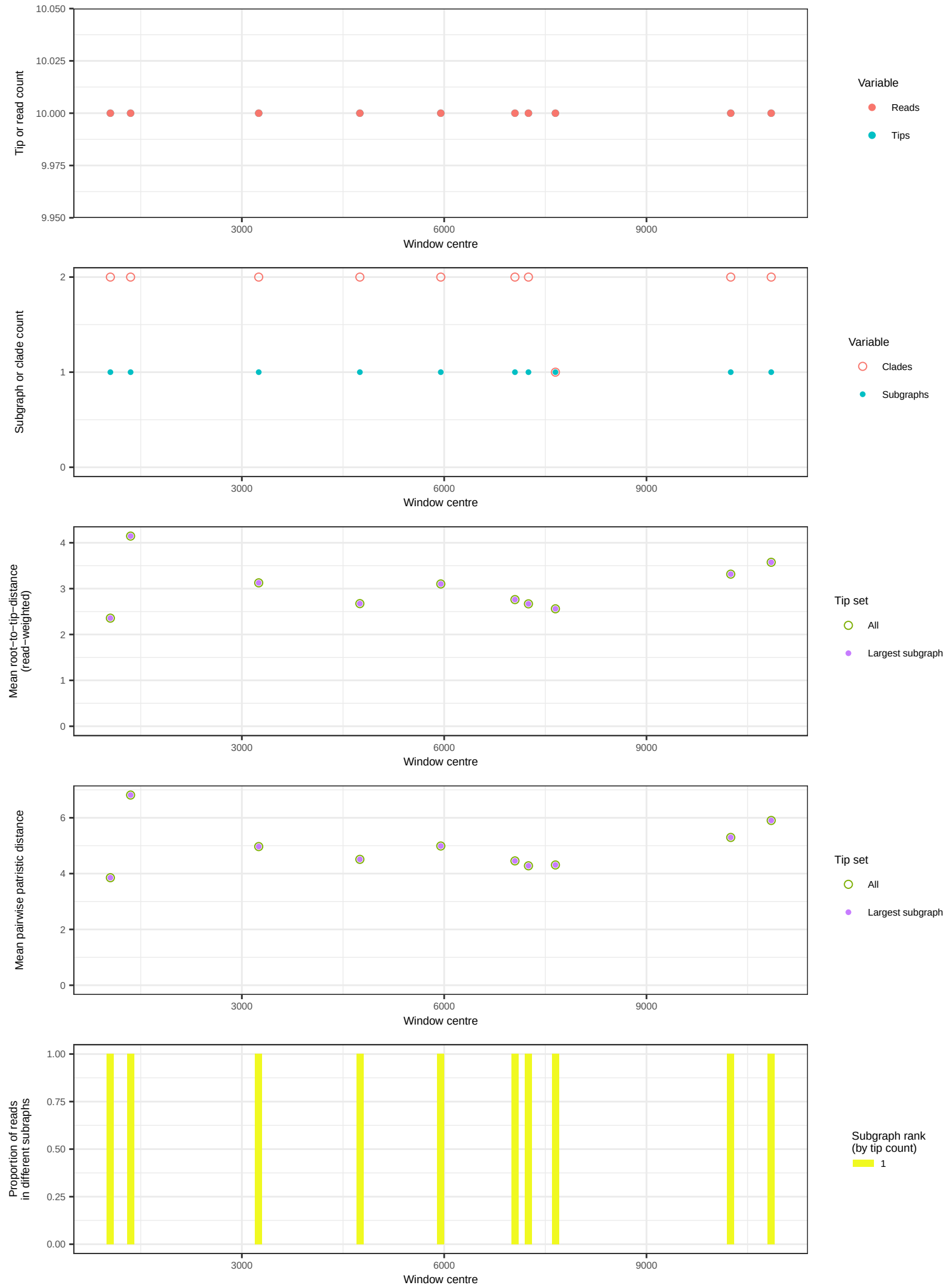

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

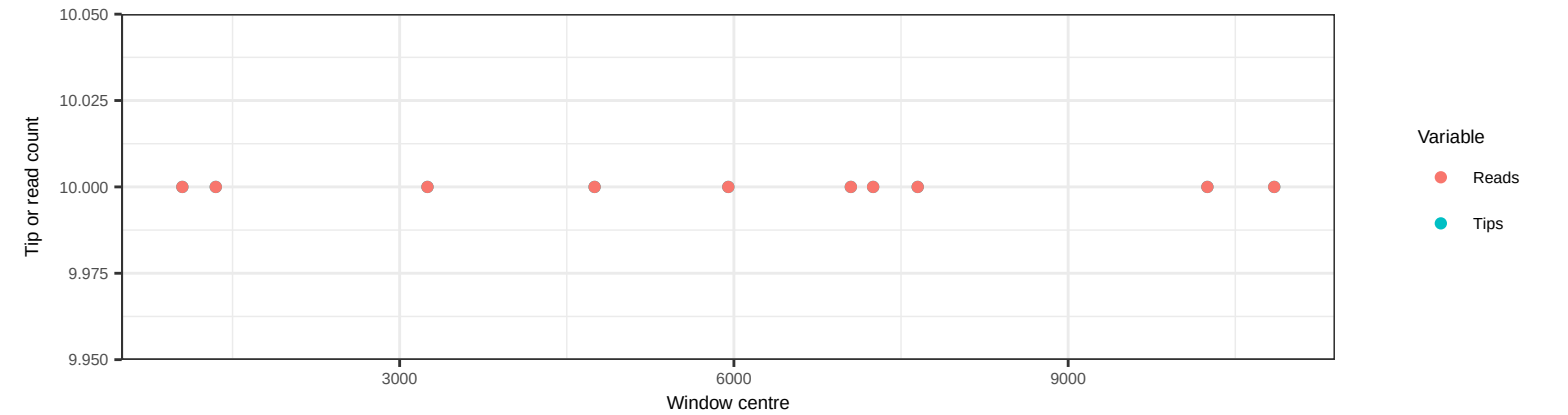

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

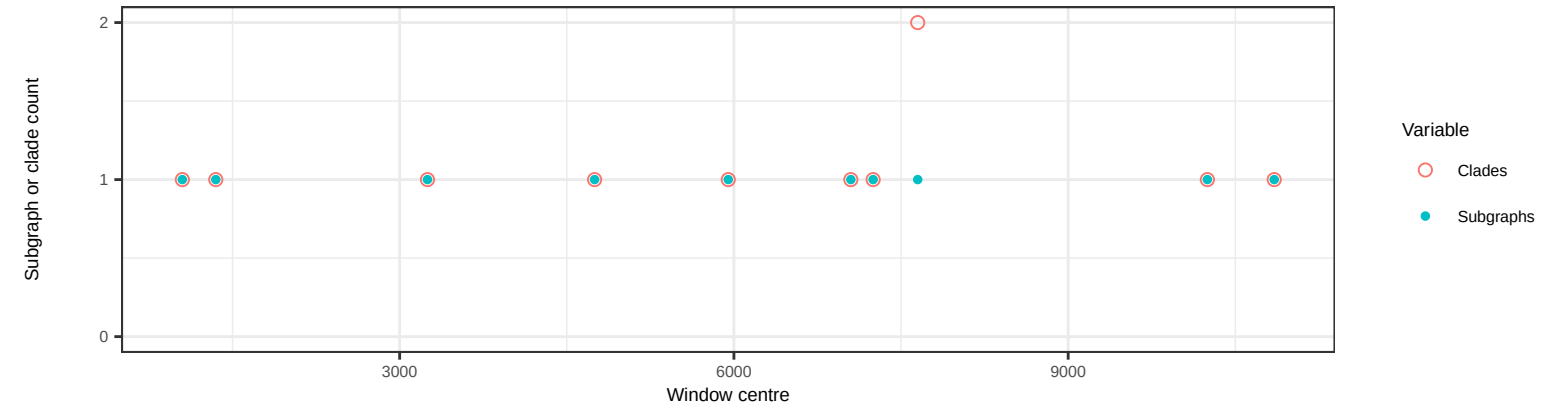

Mean root−to−tip−distance
(read−weighted)
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

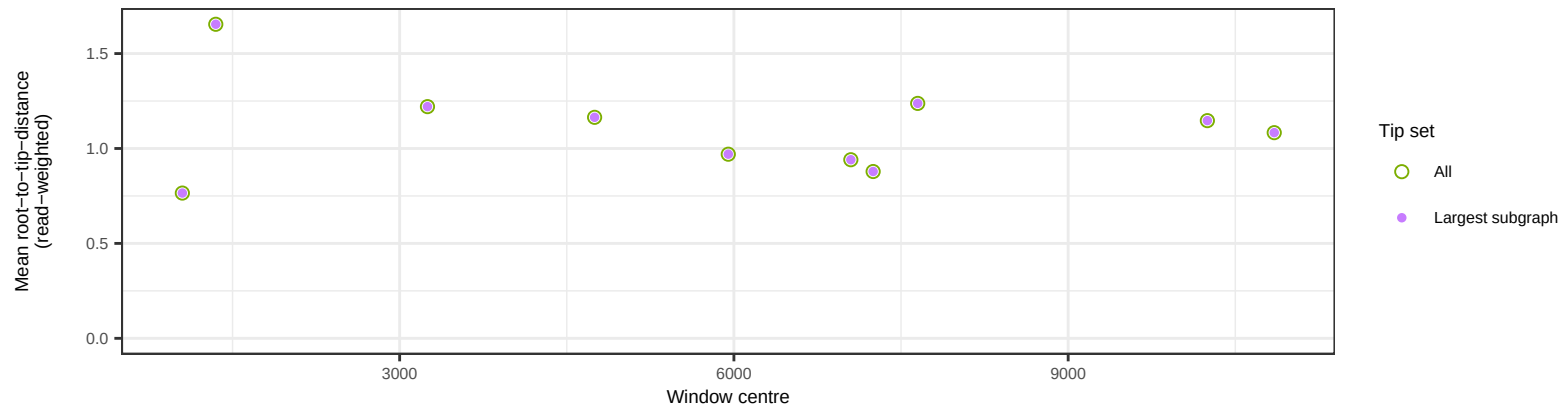

Mean pairwise patristic distance
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

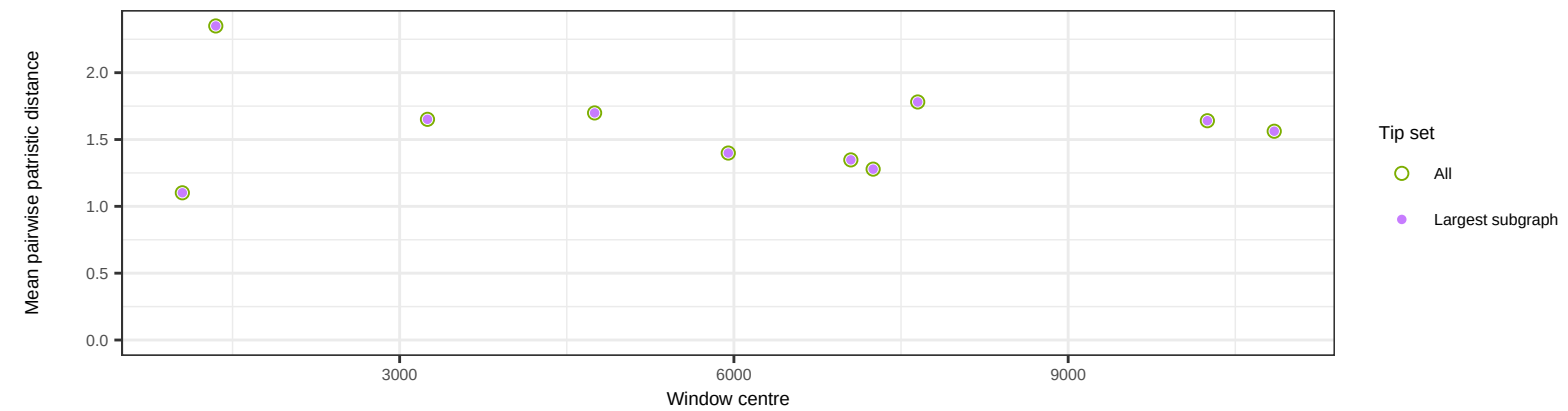

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

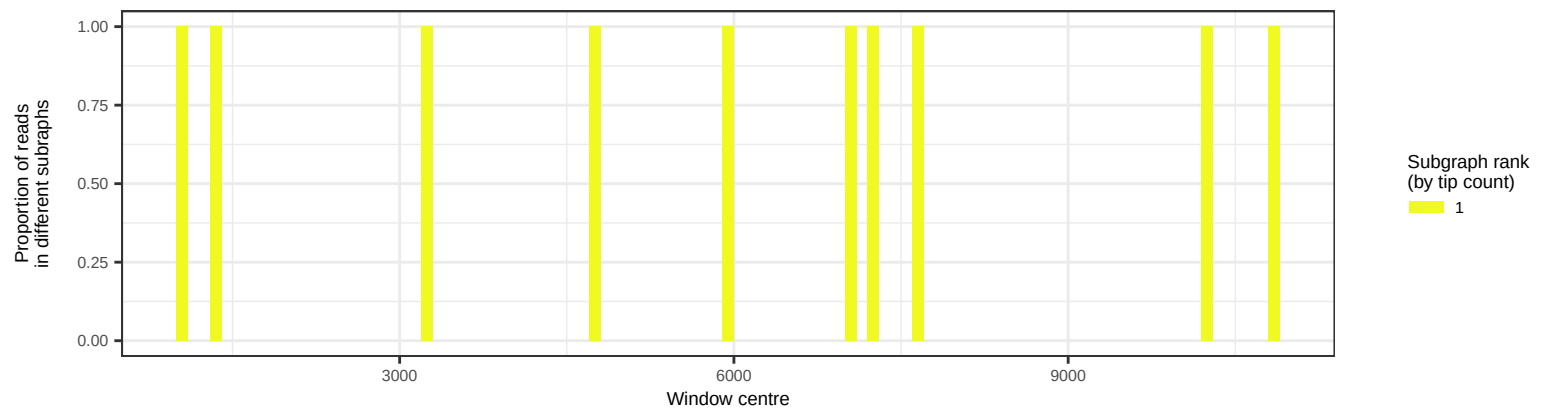

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips
Subgraph or clade count
2
1
0
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
4
3
2
1
0
Tip set
All
Largest subgraph
Mean pairwise patristic distance
6
4
2
0
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
Subgraph rank (by tip count)
1

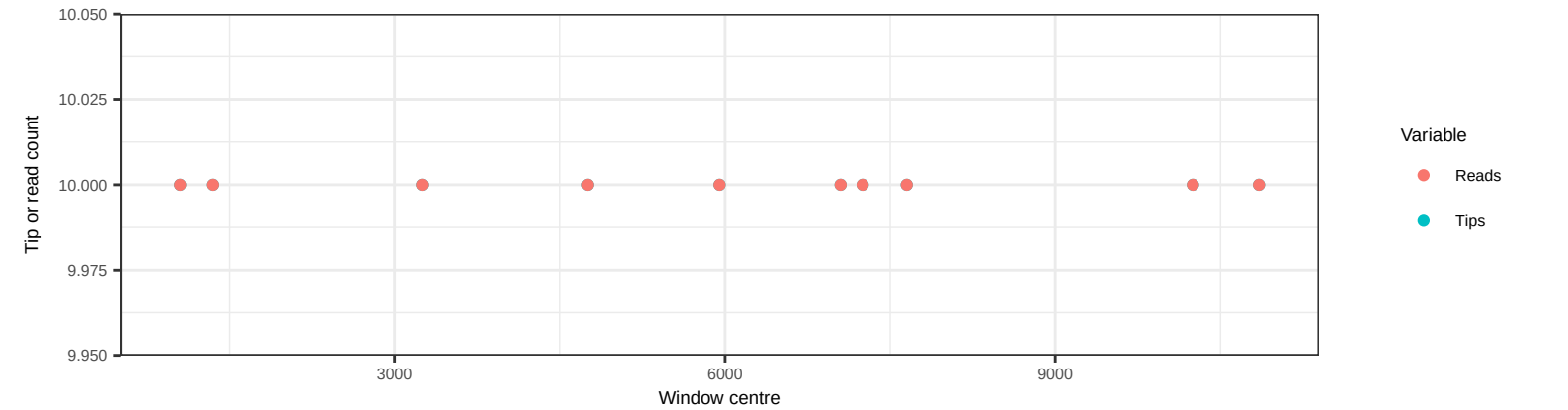

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

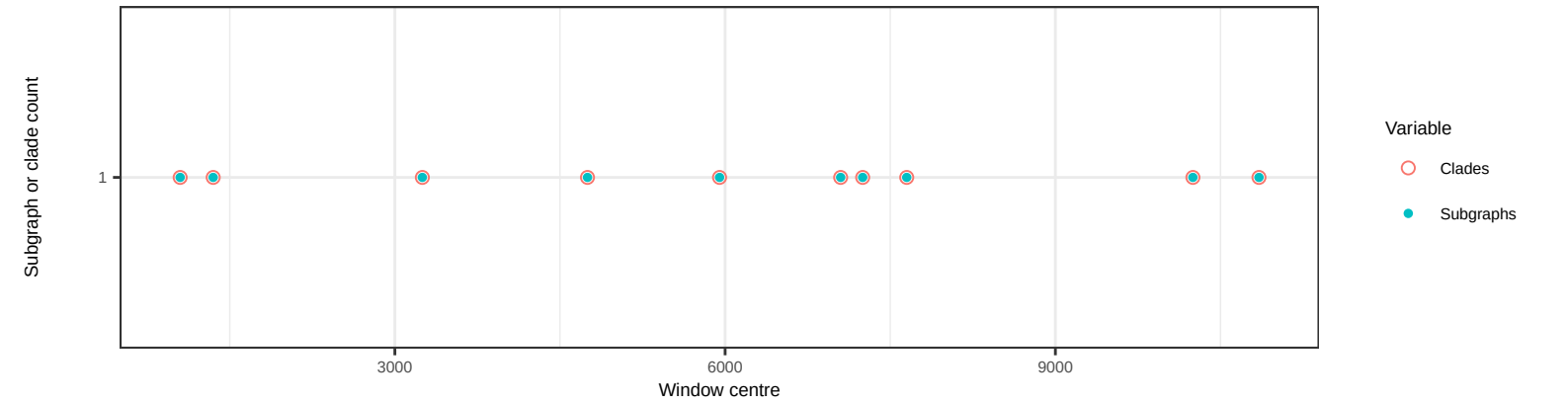

2
1
0
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

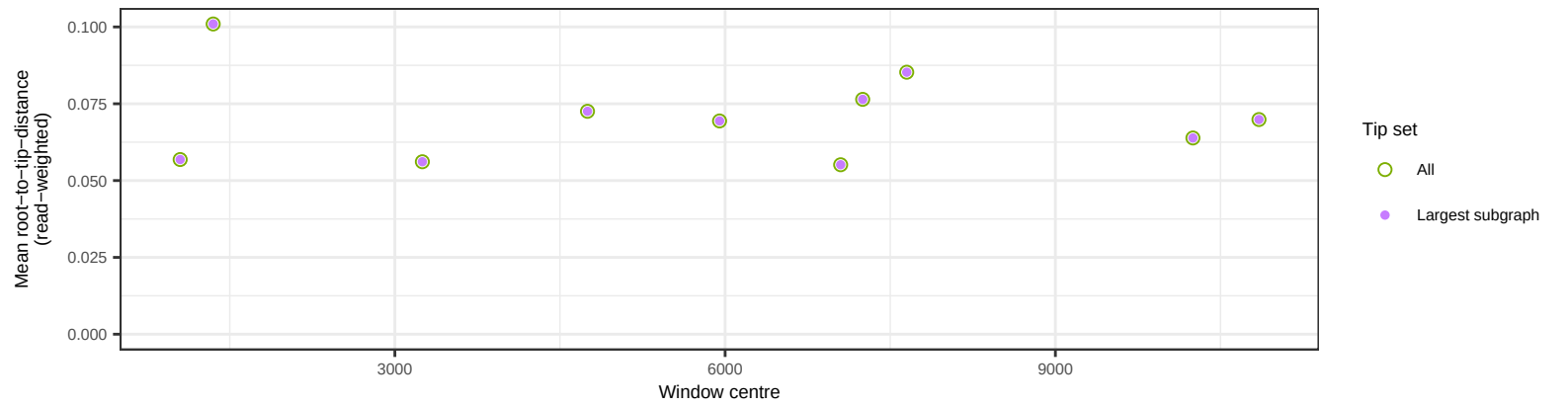

1.5
1.0
0.5
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

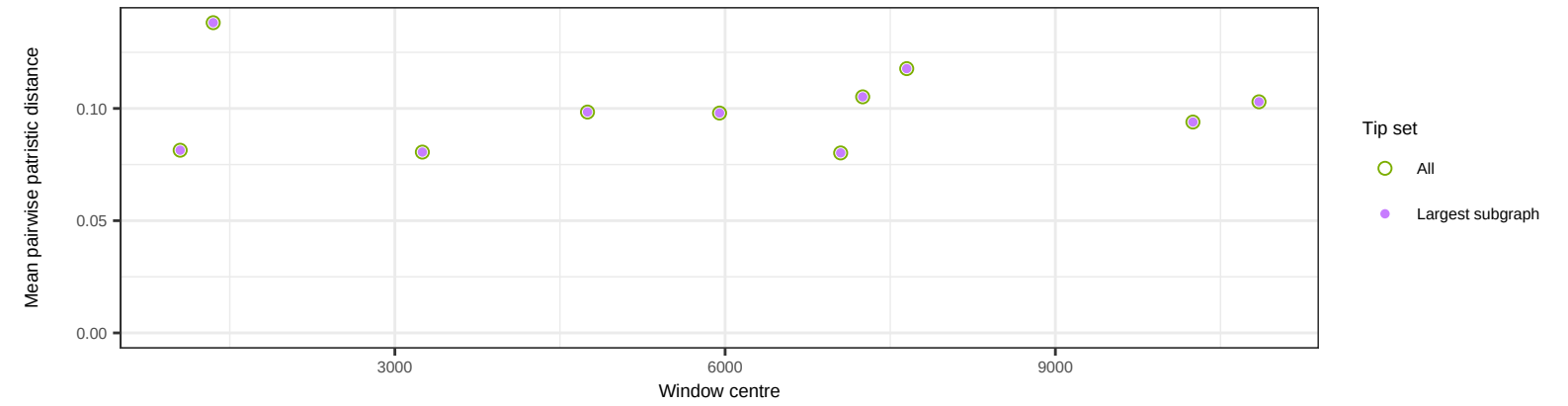

2.0
1.5
1.0
0.5
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

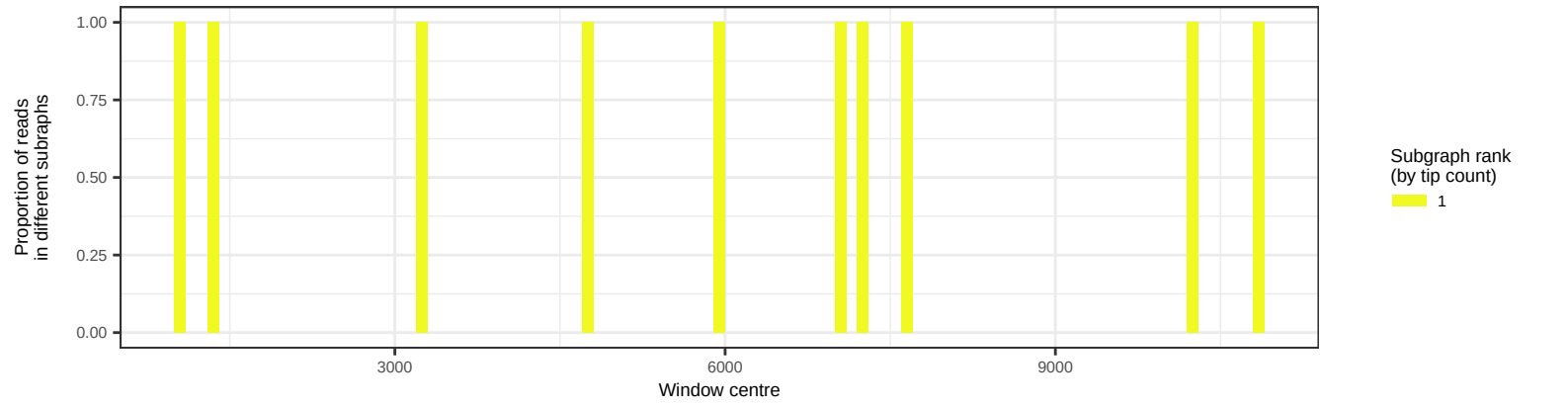

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

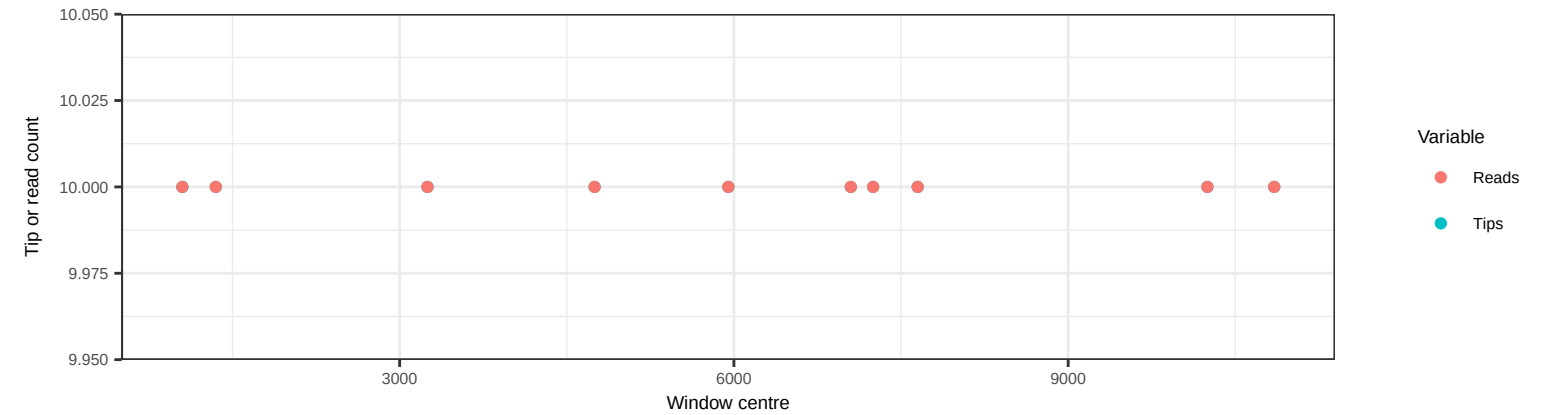

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

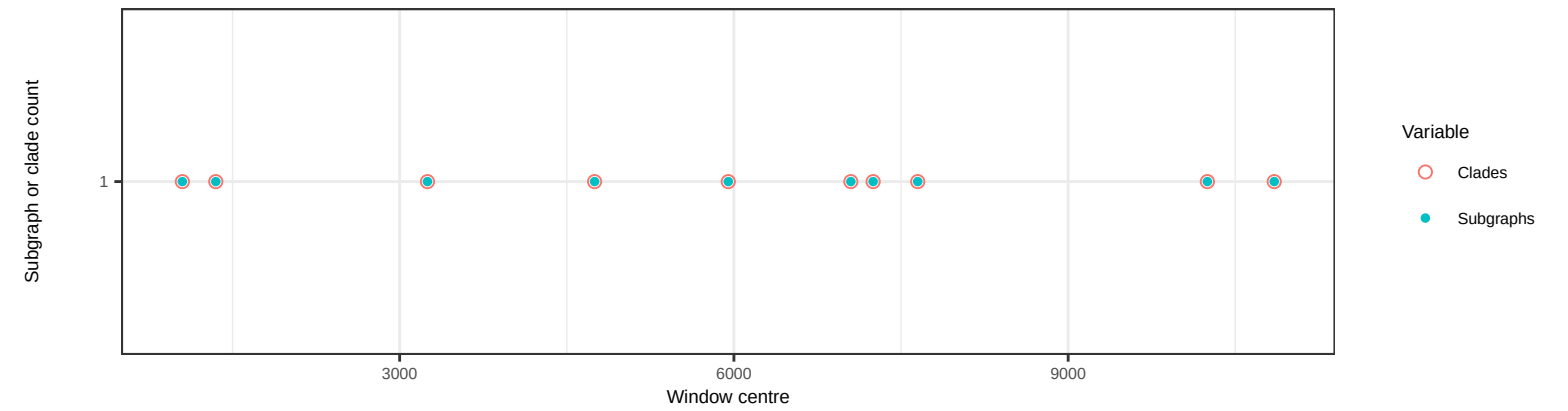

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

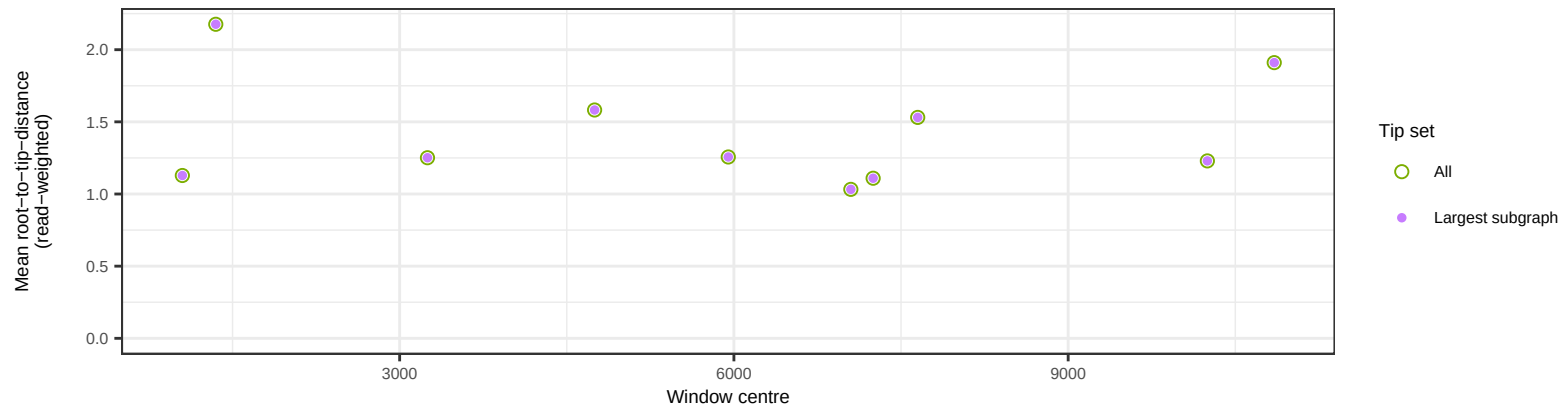

Mean root−to−tip−distance
(read−weighted)
0.100
0.075
0.050
0.025
0.000
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

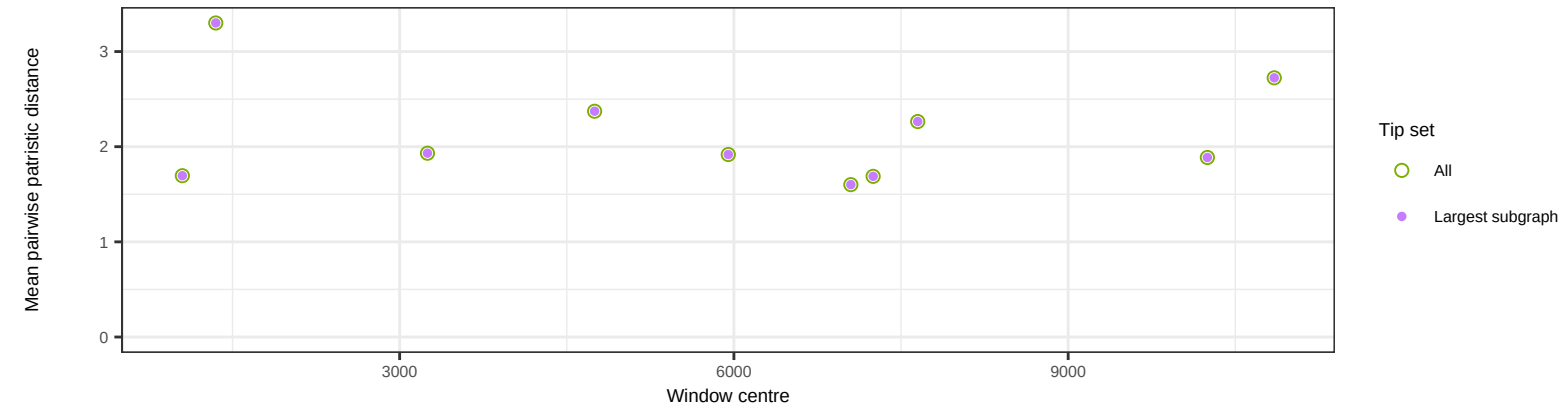

Mean pairwise patristic distance
0.10
0.05
0.00
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

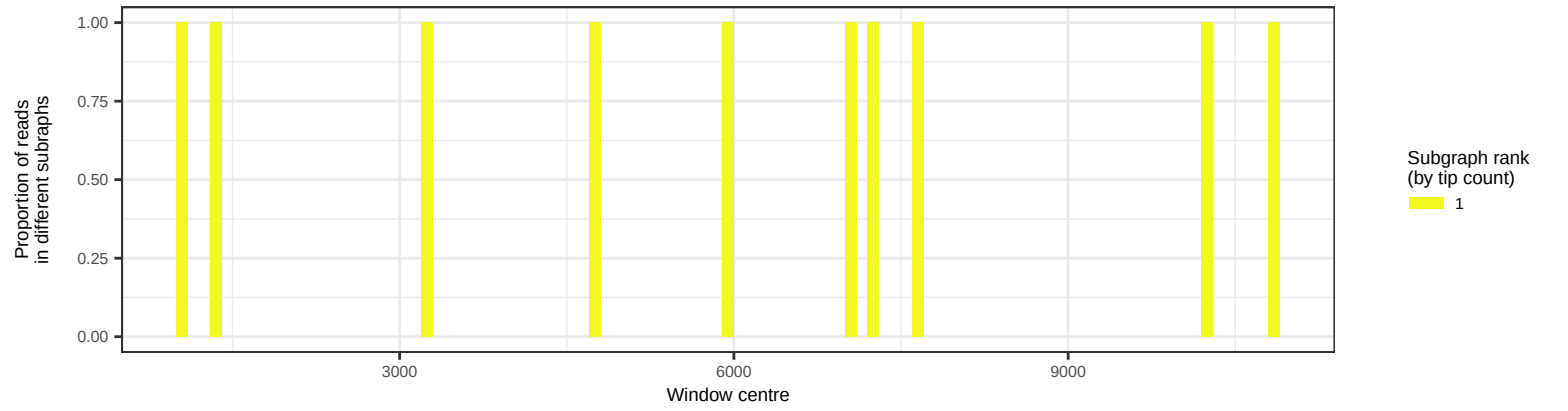

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

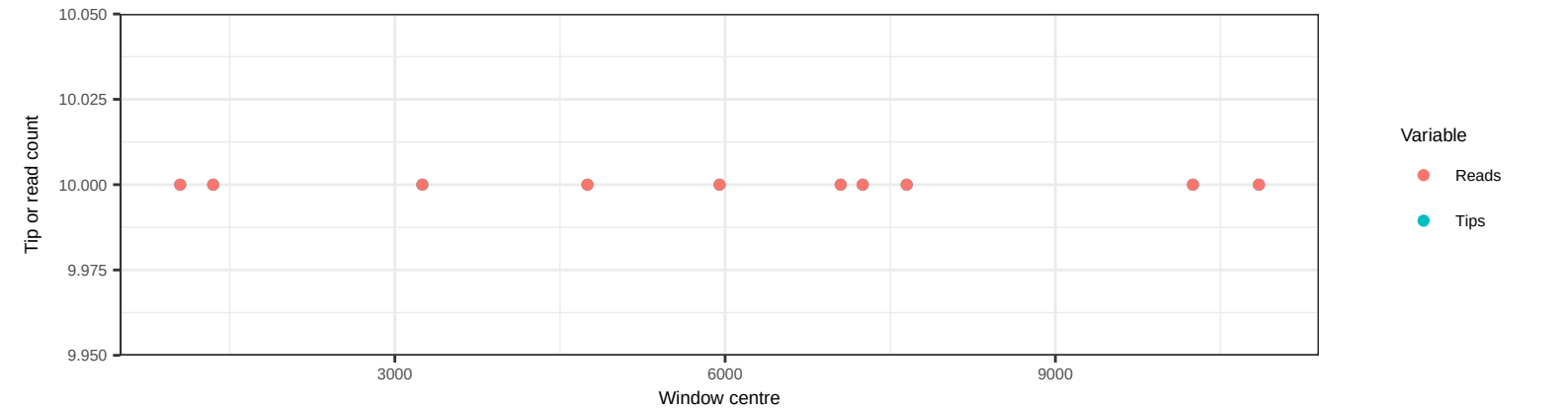

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

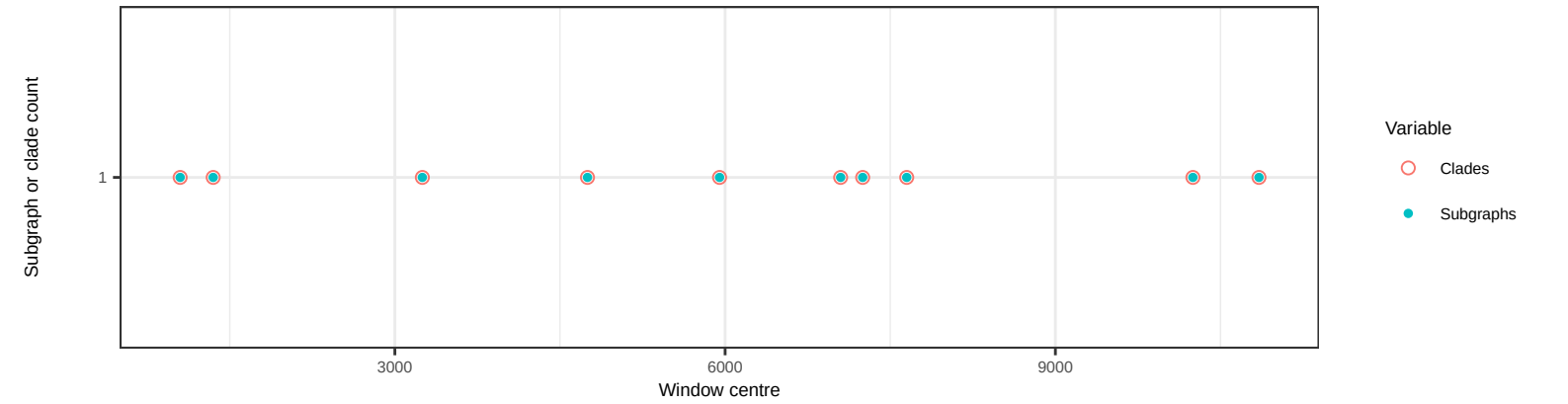

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

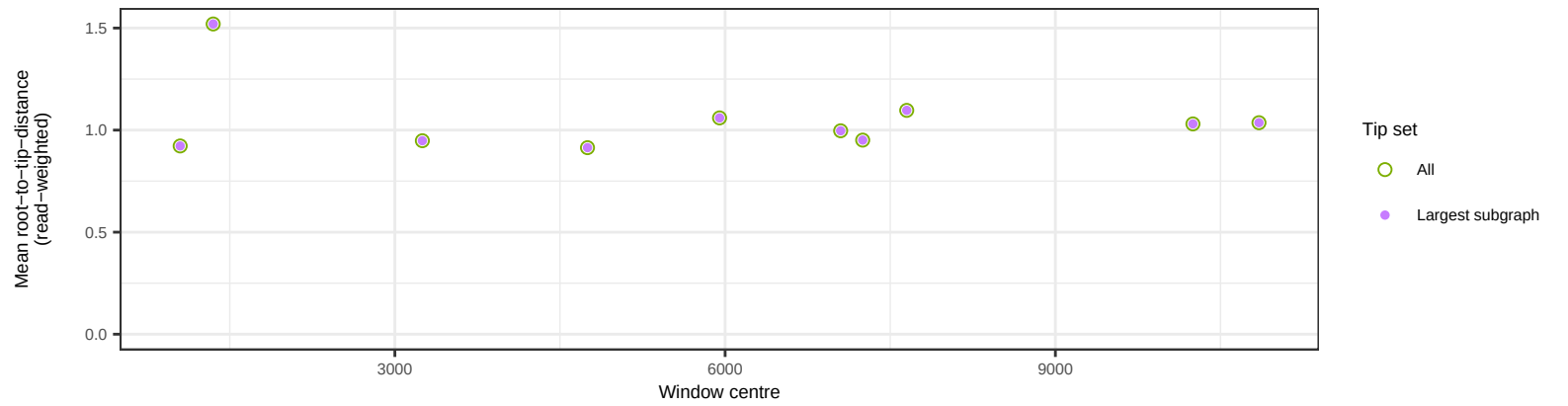

Mean root−to−tip−distance
(read−weighted)
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

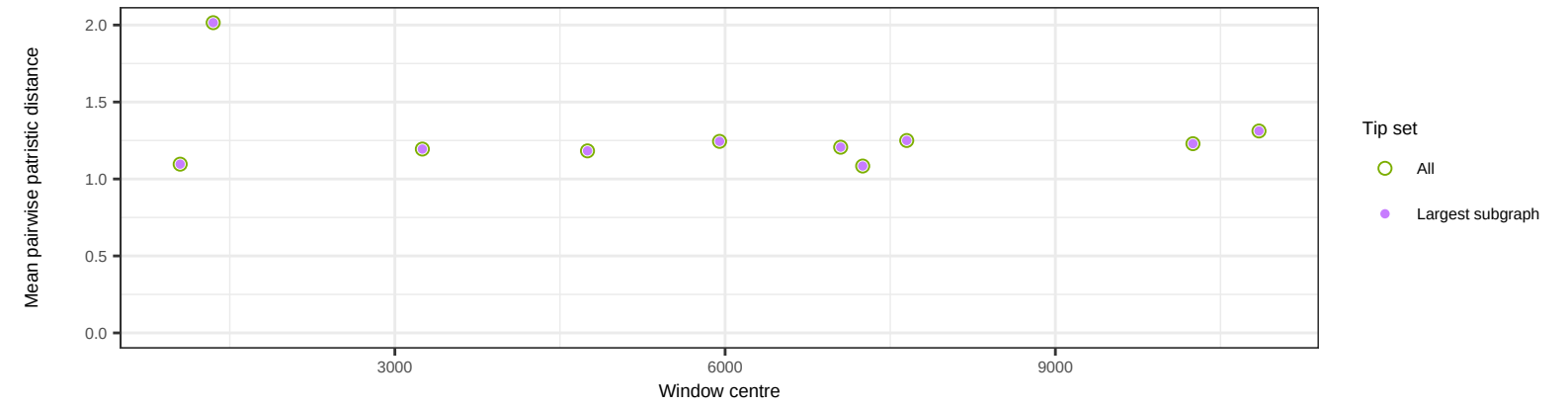

Mean pairwise patristic distance
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

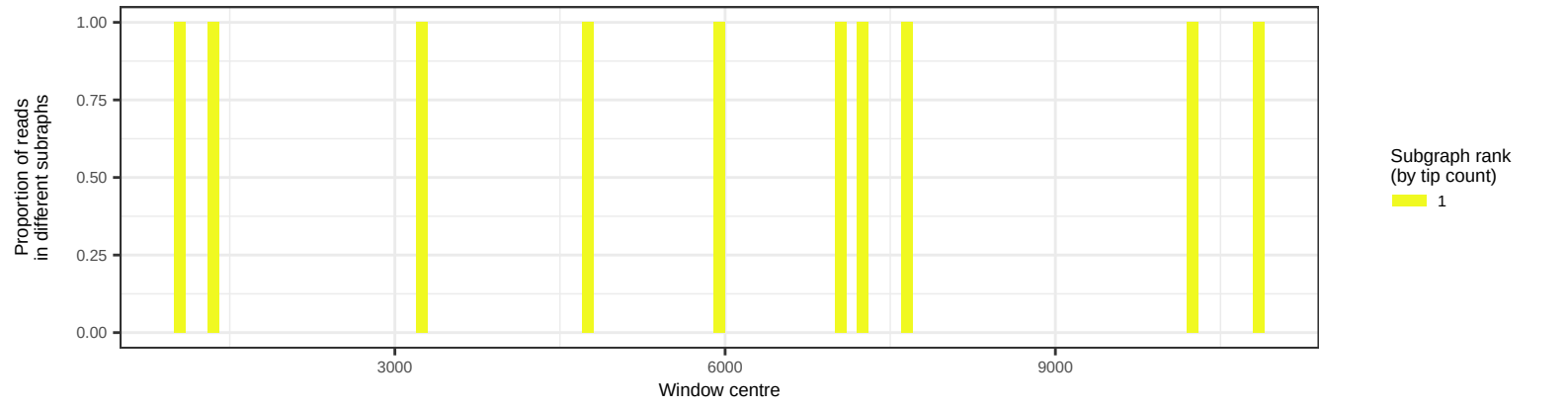

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

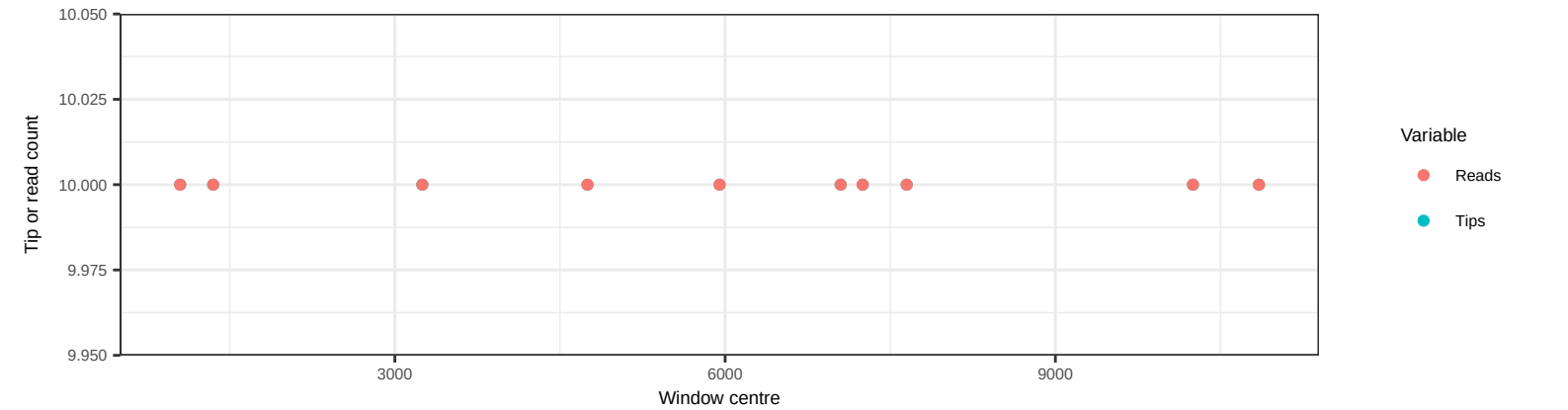

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

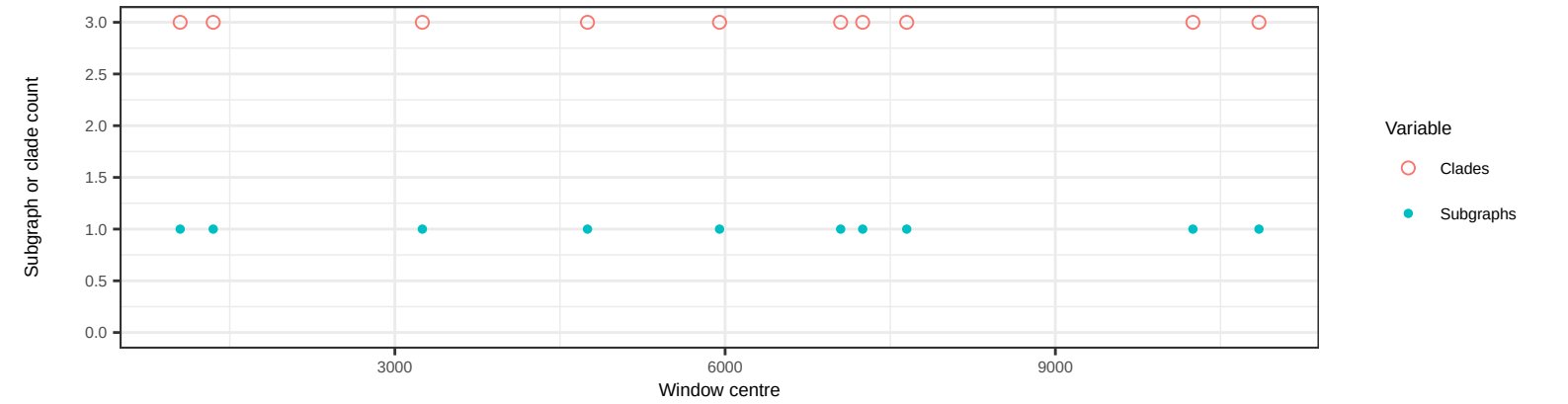

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

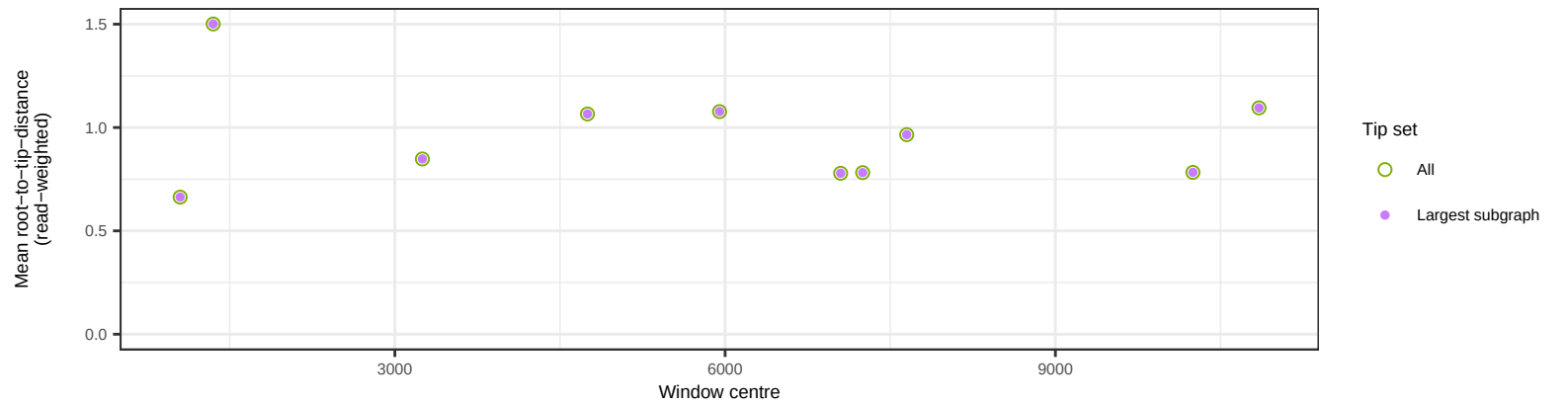

1.5
1.0
0.5
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

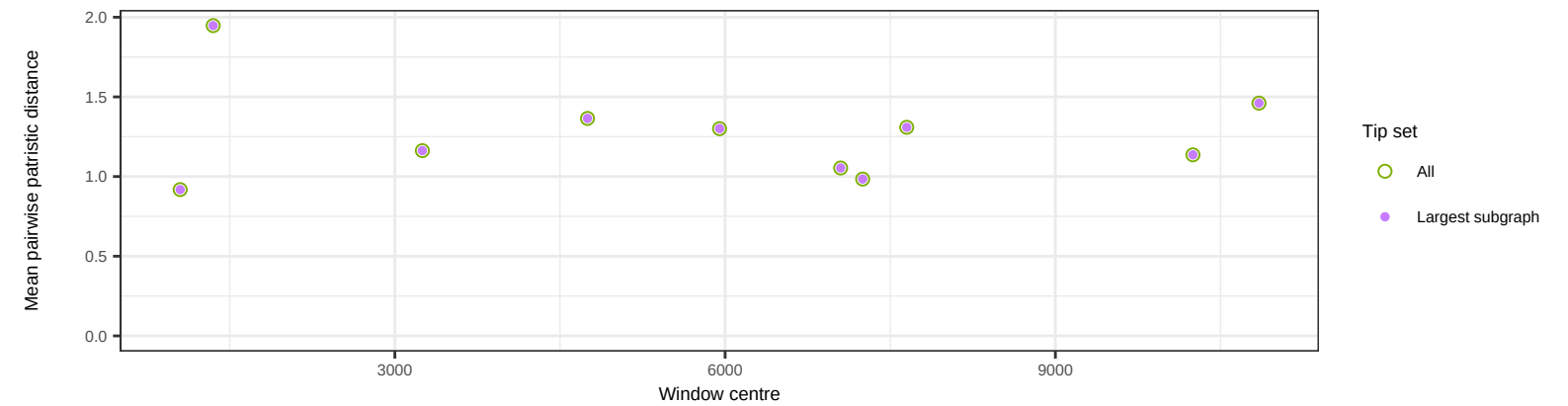

2.0
1.5
1.0
0.5
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

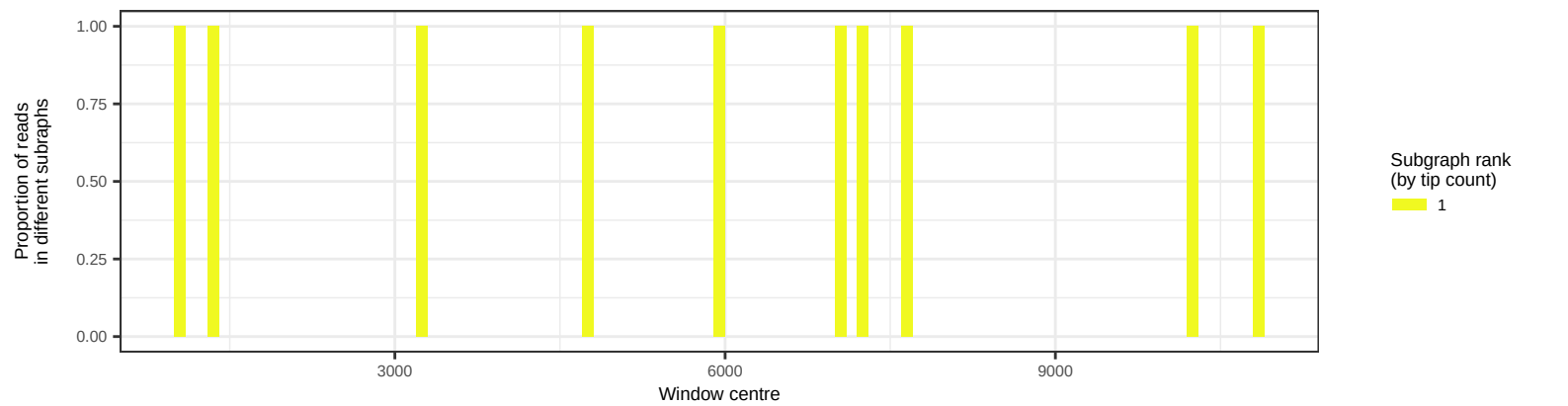

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

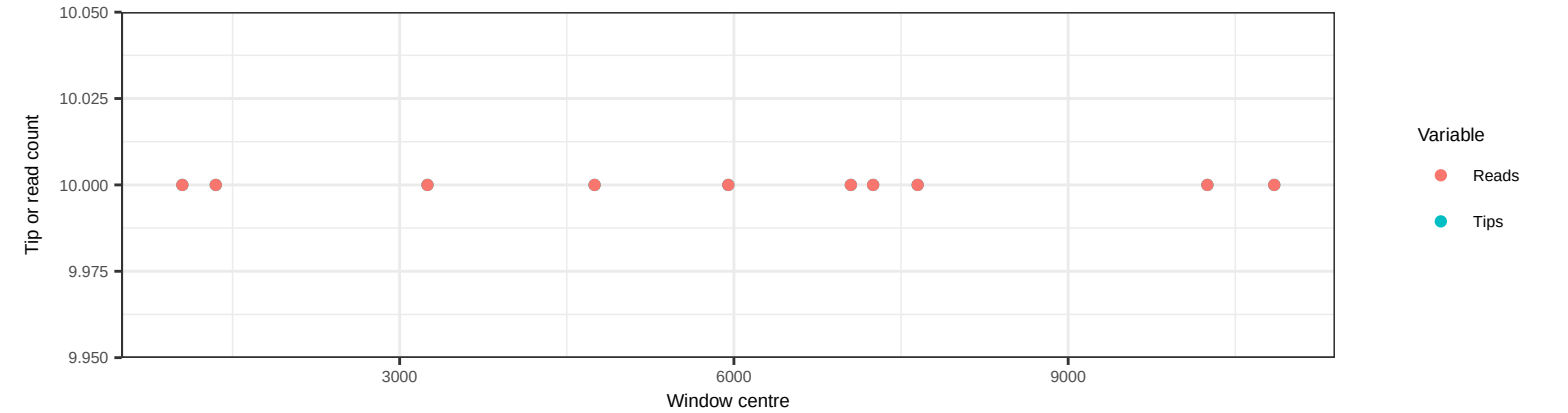

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

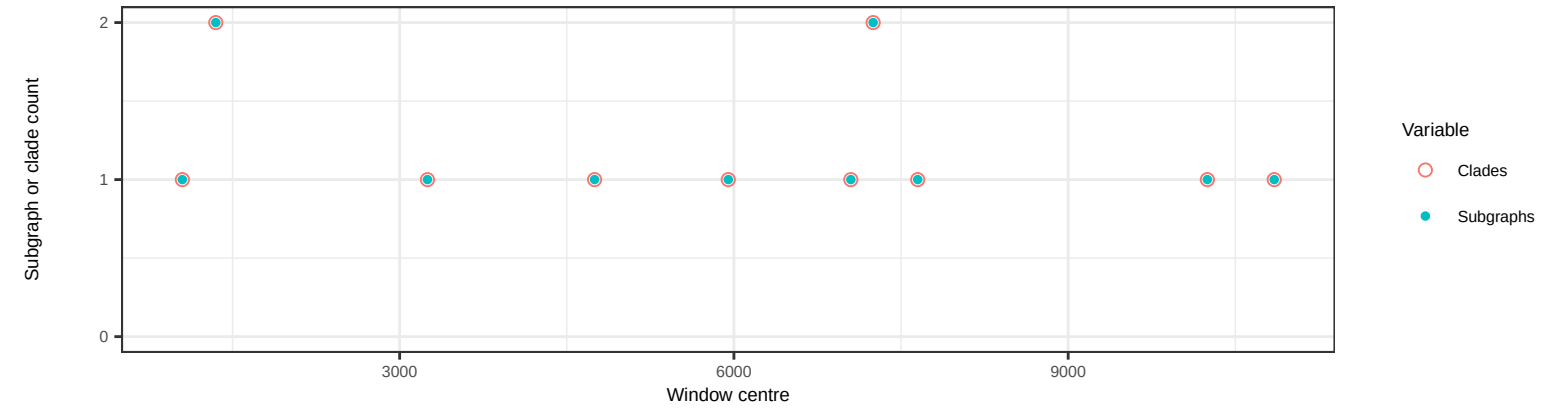

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

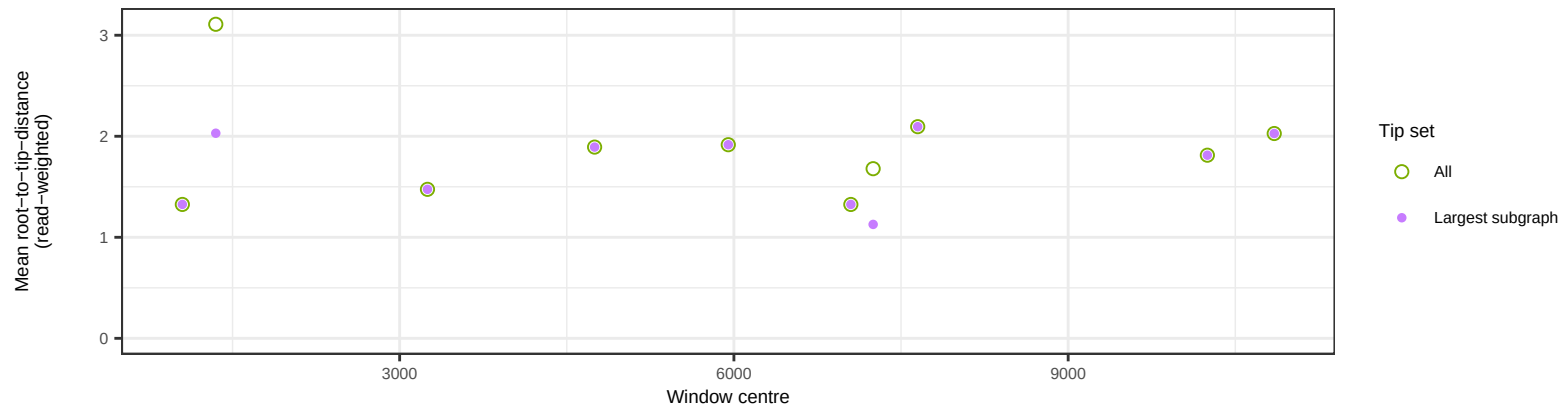

Mean root−to−tip−distance
(read−weighted)
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

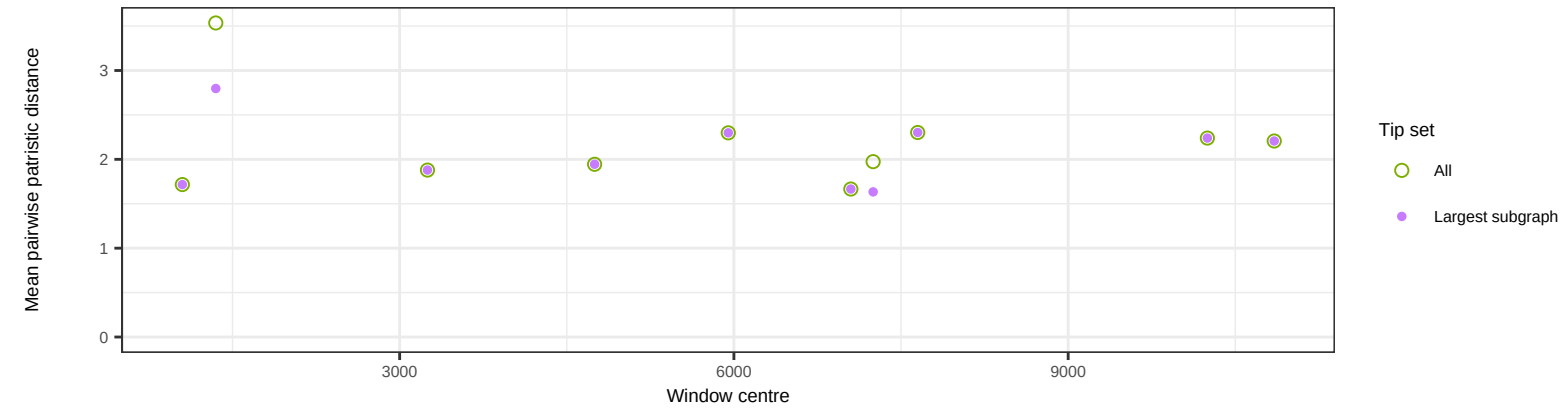

Mean pairwise patristic distance
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

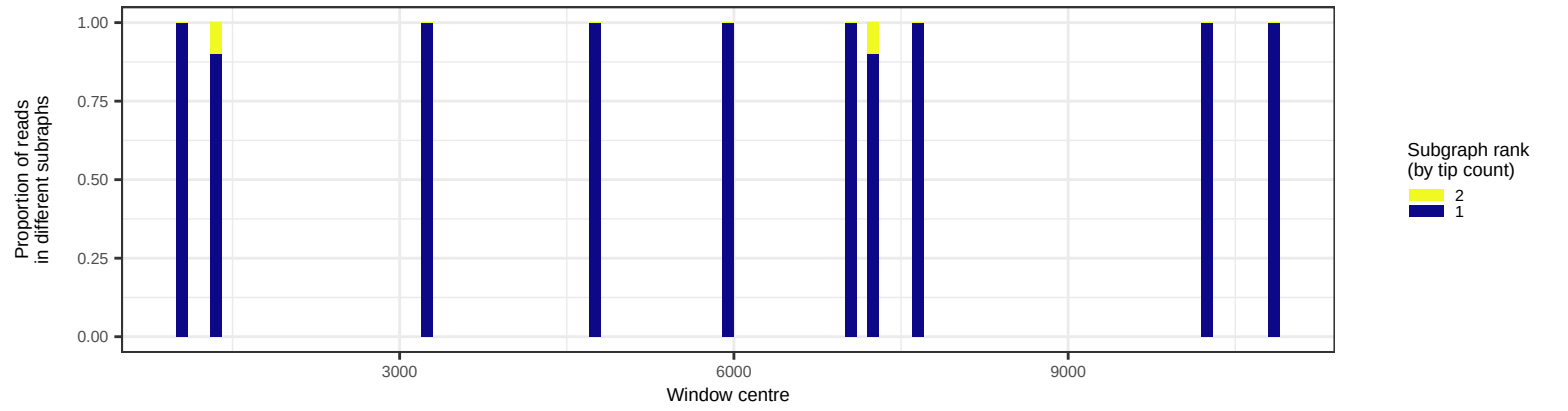

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

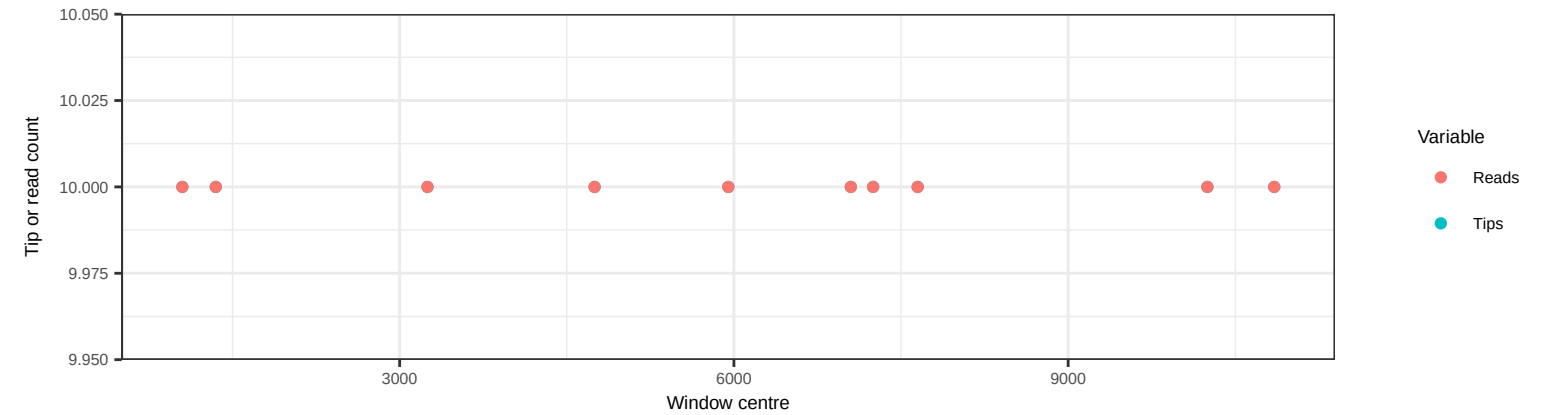

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

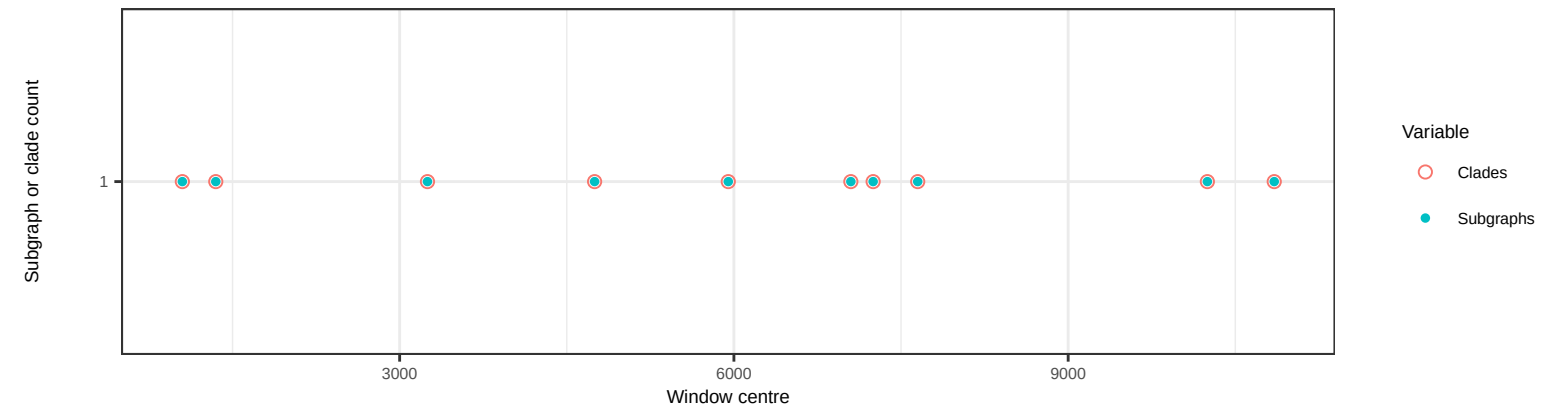

Subgraph or clade count
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

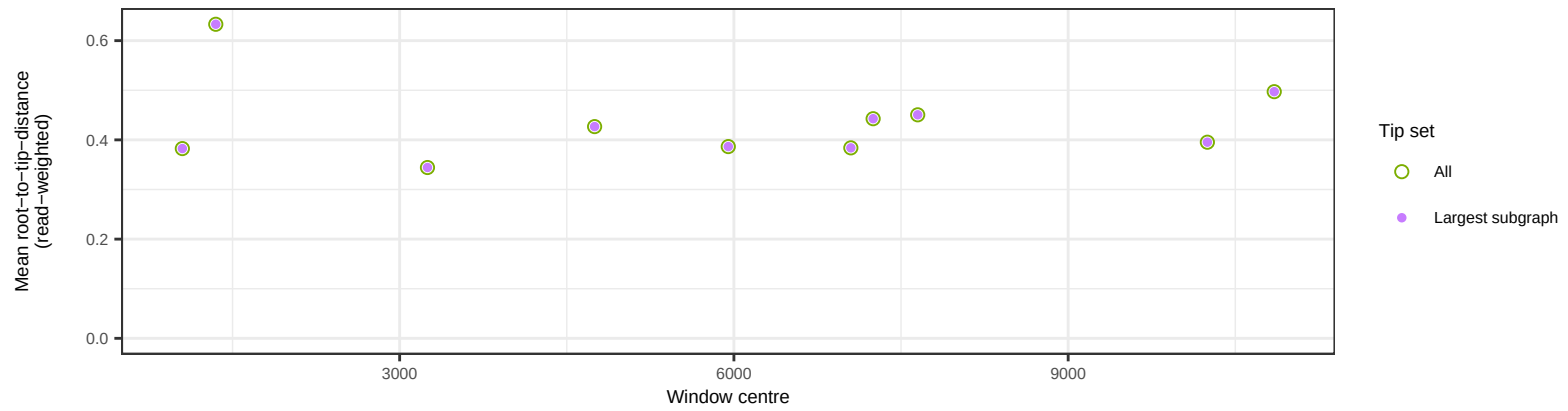

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

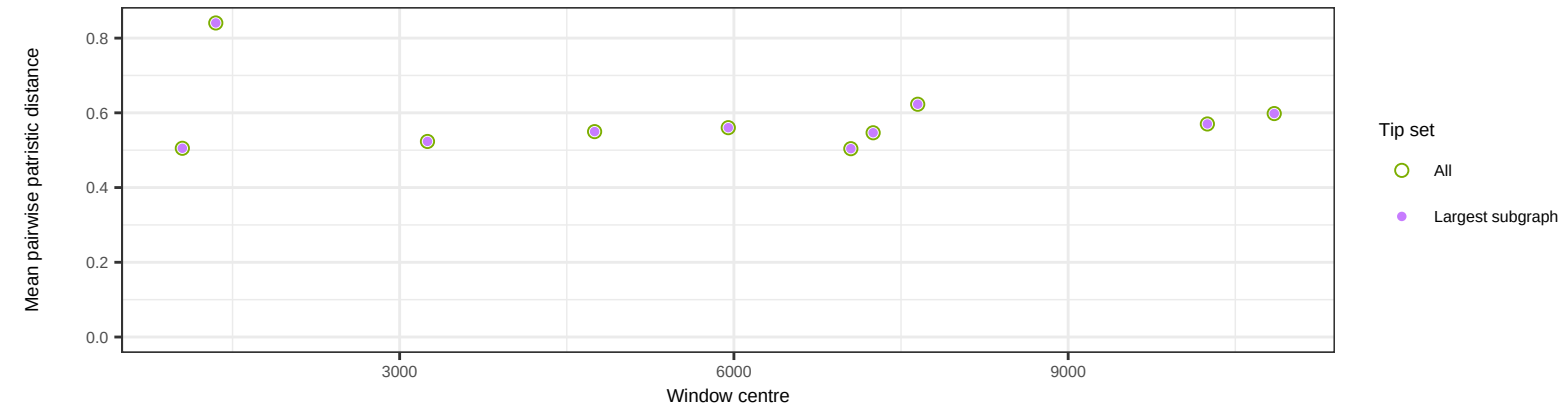

Mean pairwise patristic distance
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

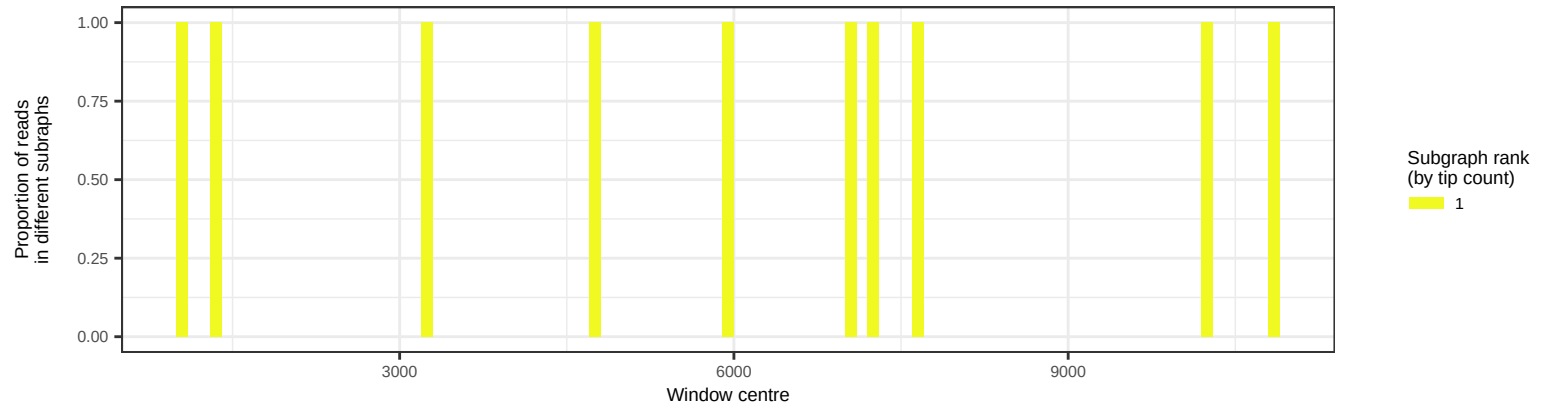

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
2
1

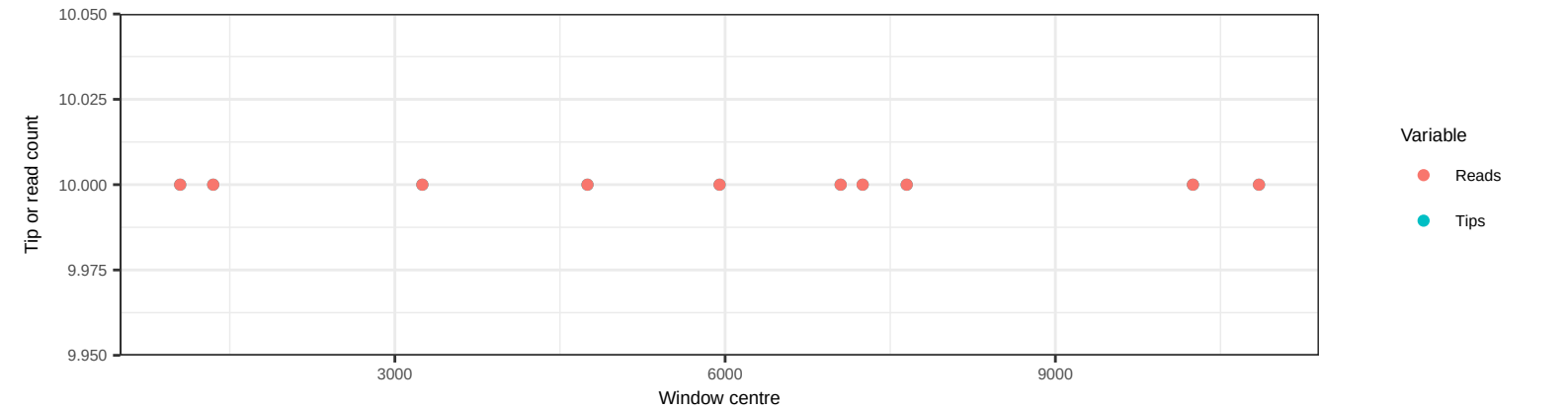

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

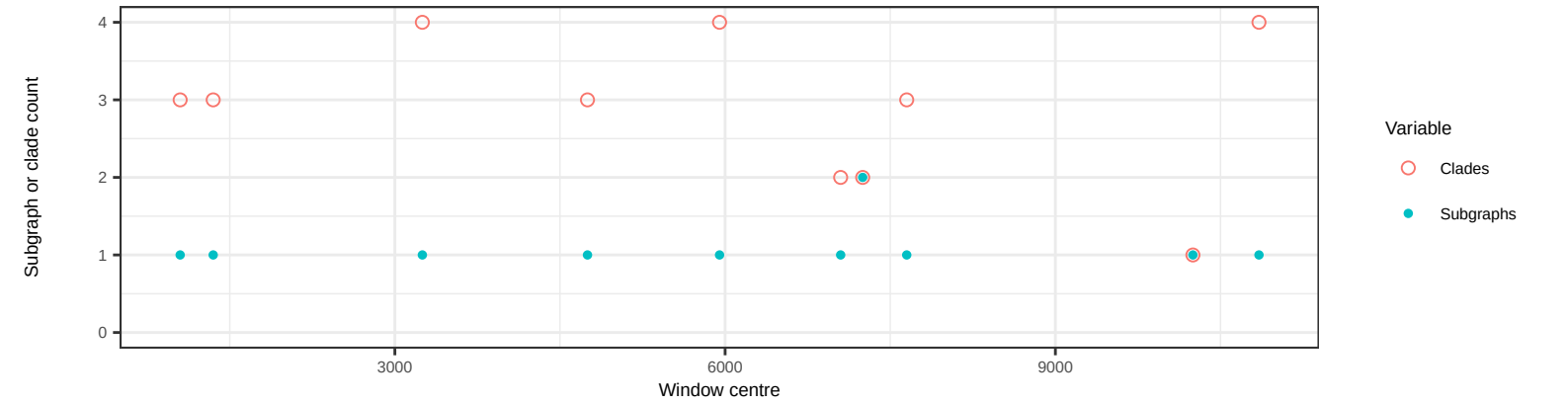

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

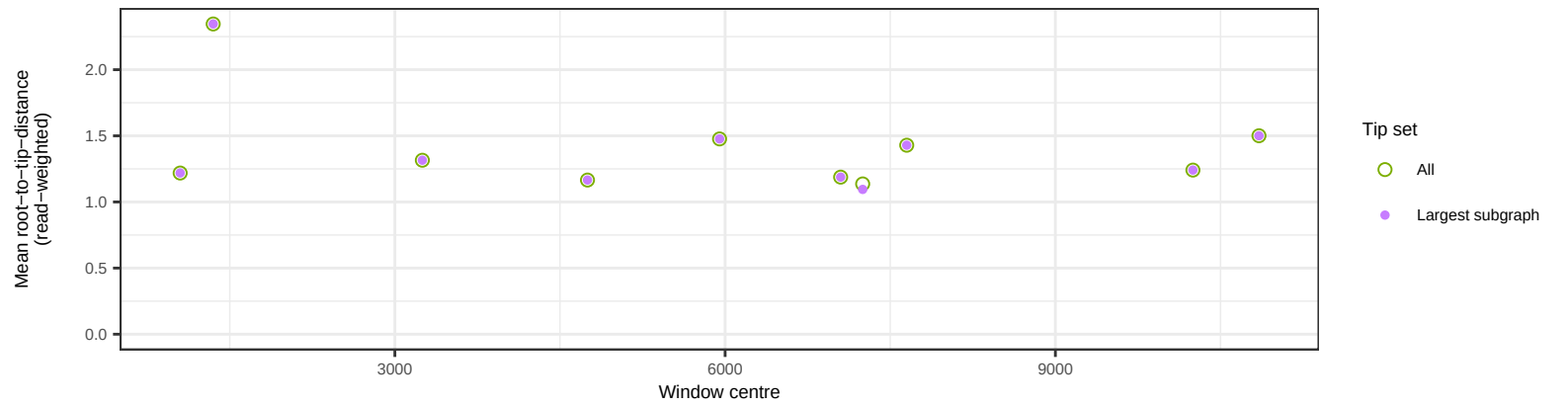

Mean root−to−tip−distance
(read−weighted)
0.6
0.4
0.2
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

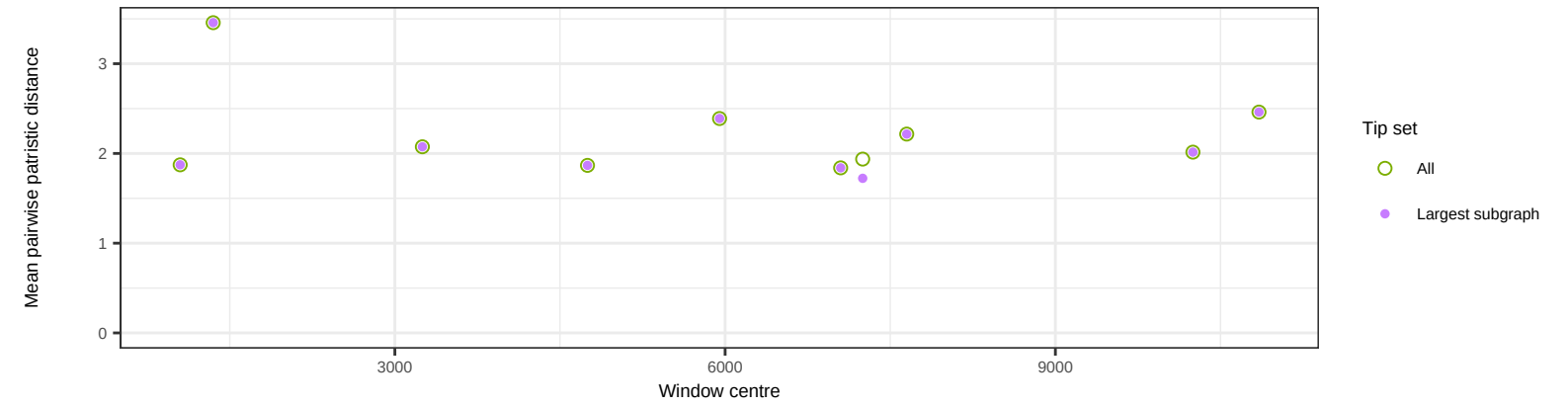

Mean pairwise patristic distance
0.8
0.6
0.4
0.2
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

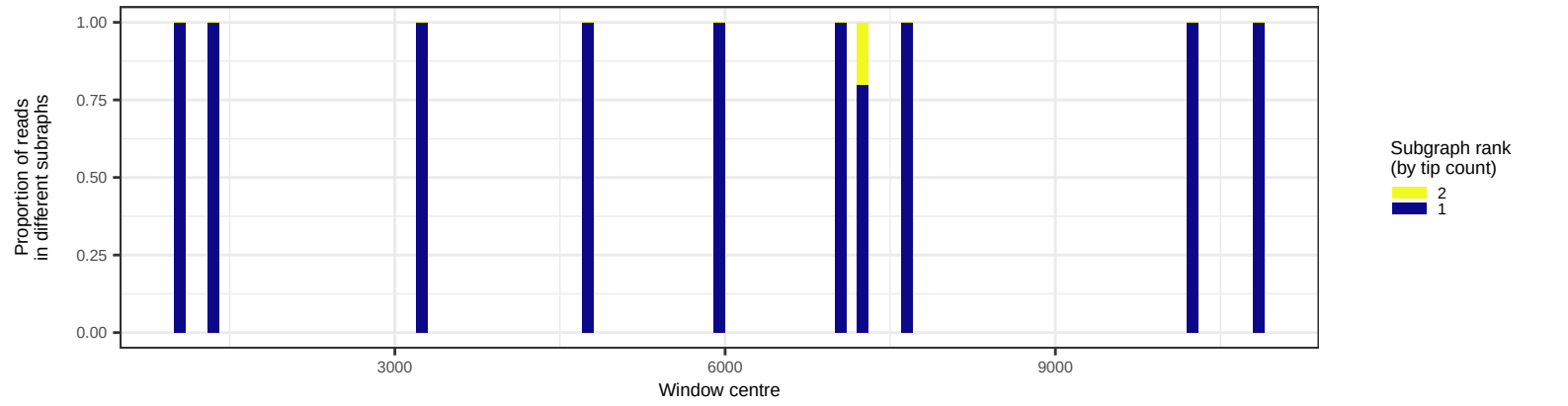

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

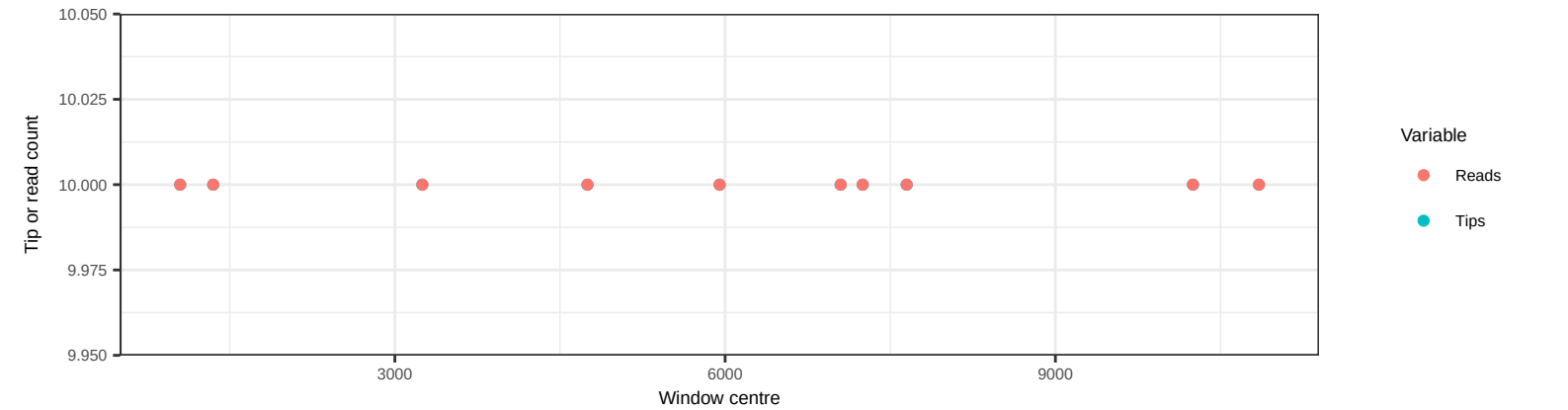

Subgraph or clade count
4
3
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

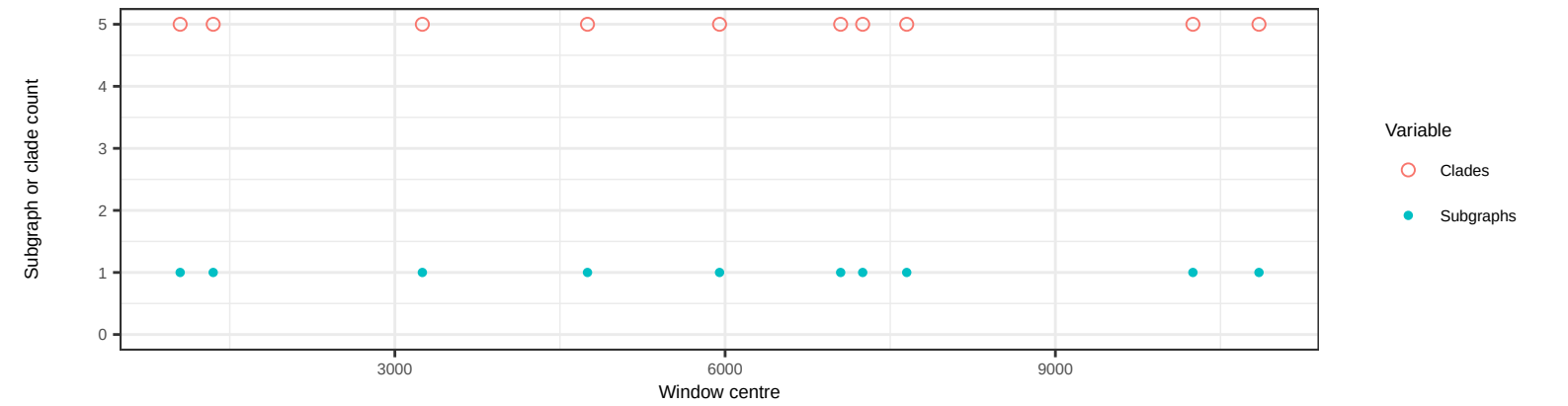

Mean root−to−tip−distance
(read−weighted)
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

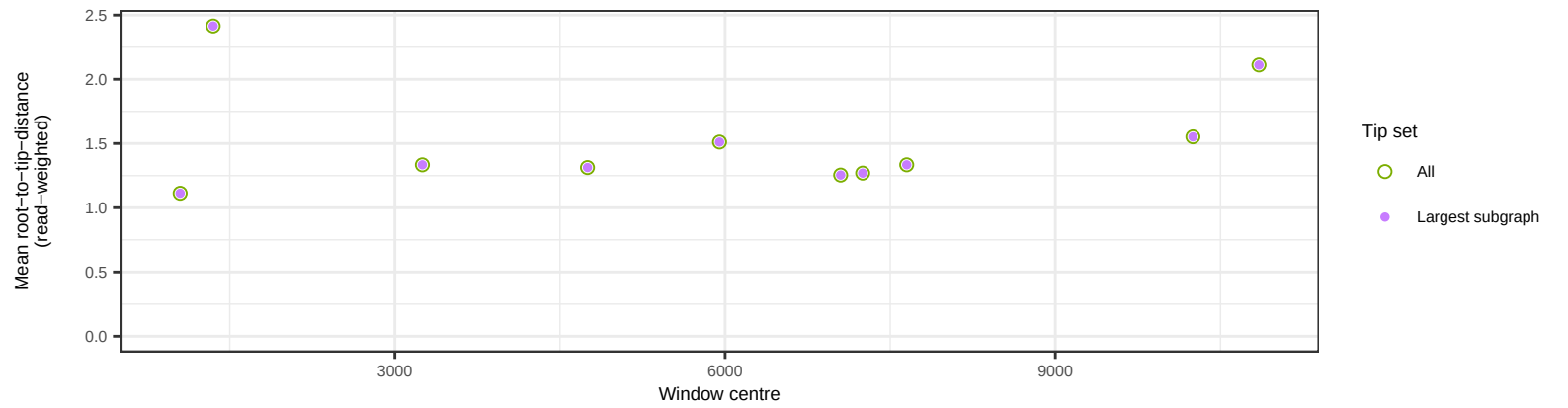

Mean pairwise patristic distance
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

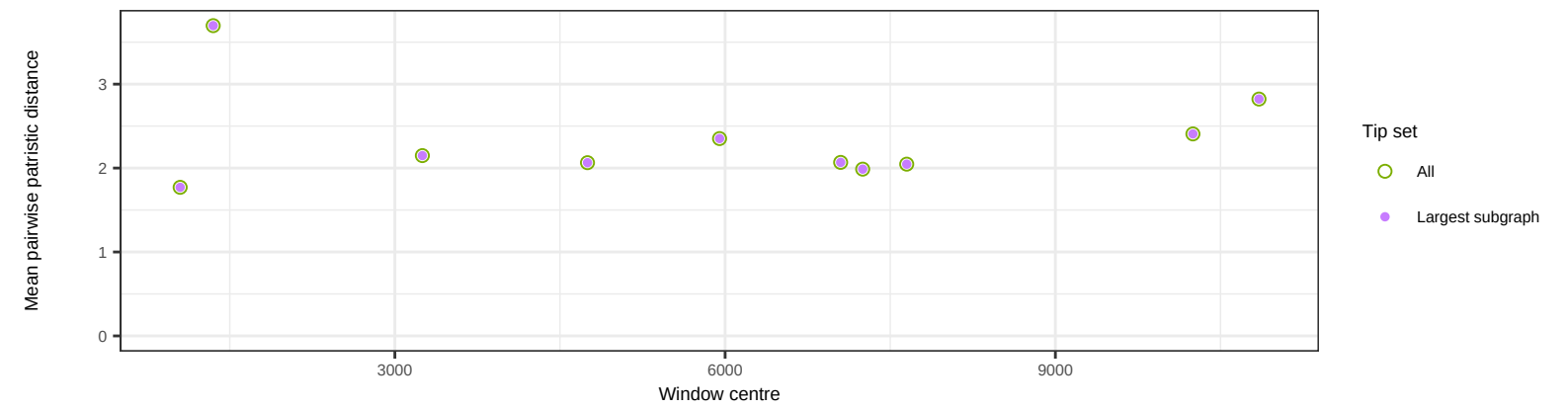

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
2
1

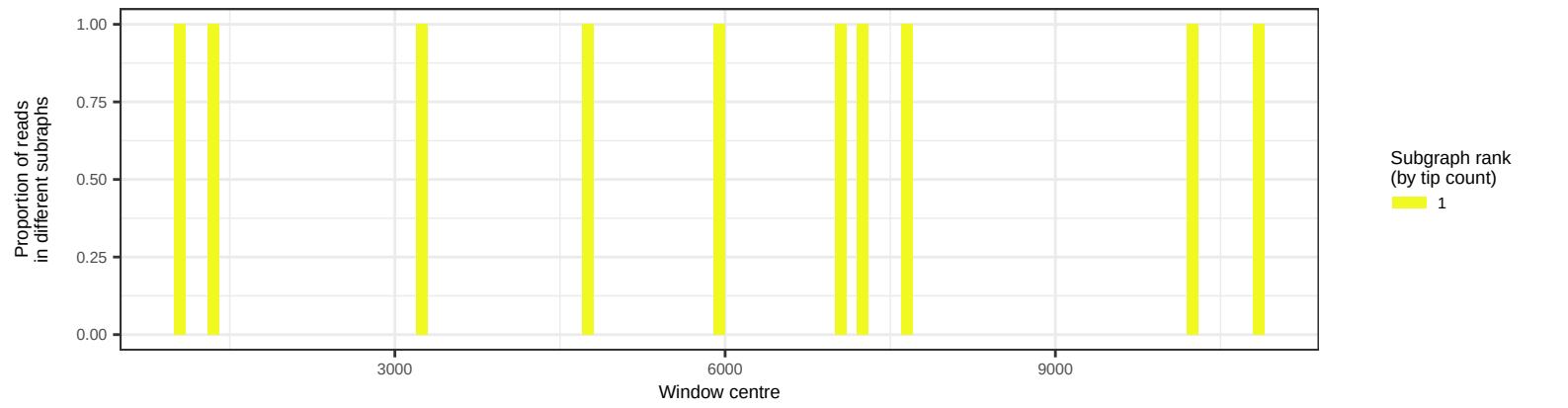
211

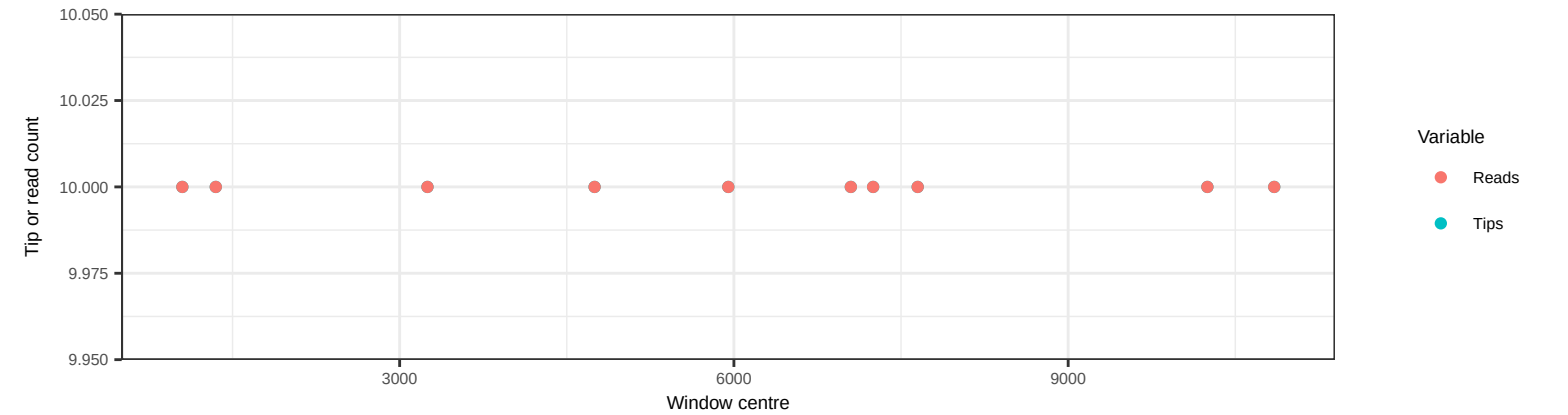

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

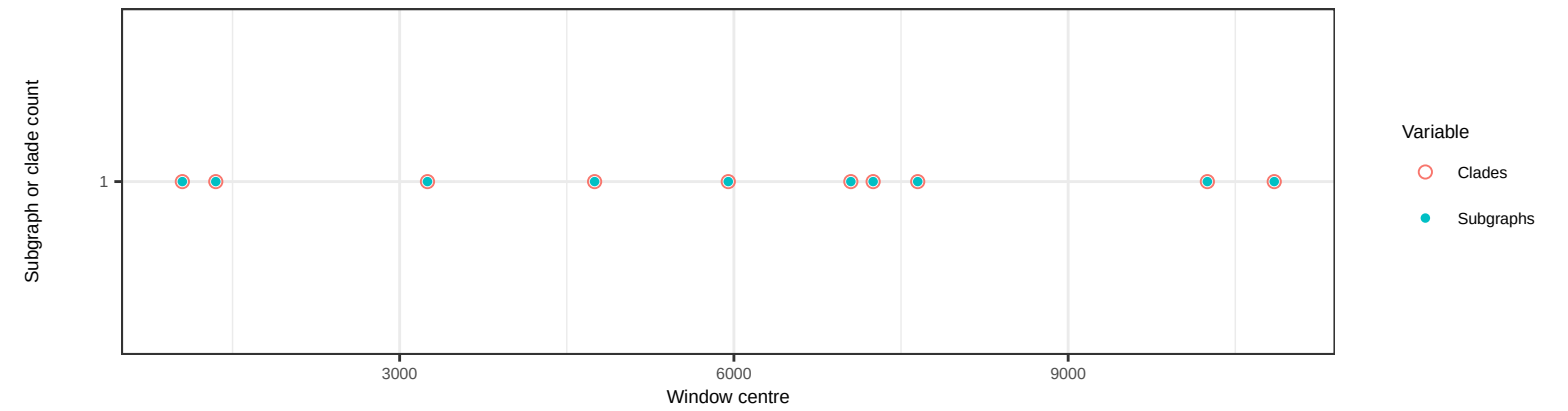

Subgraph or clade count
5
4
3
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

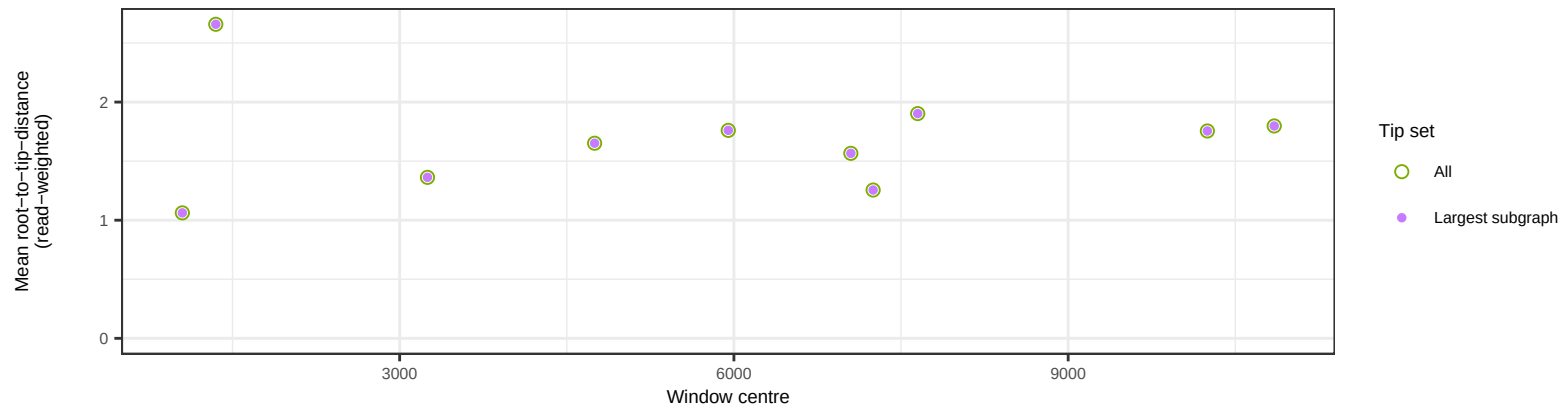

Mean root−to−tip−distance
(read−weighted)
2.5
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

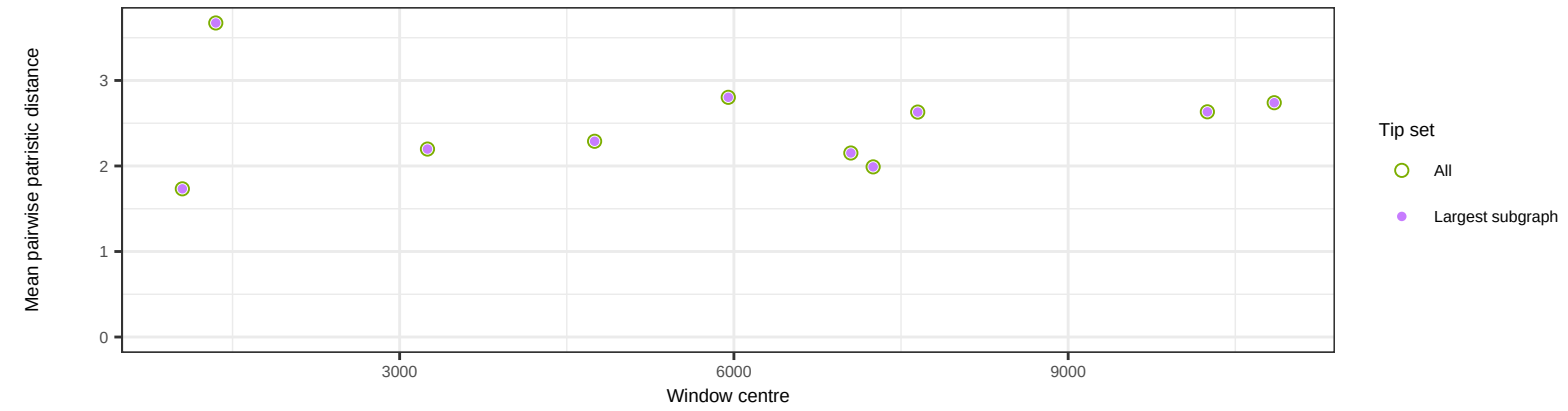

Mean pairwise patristic distance
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

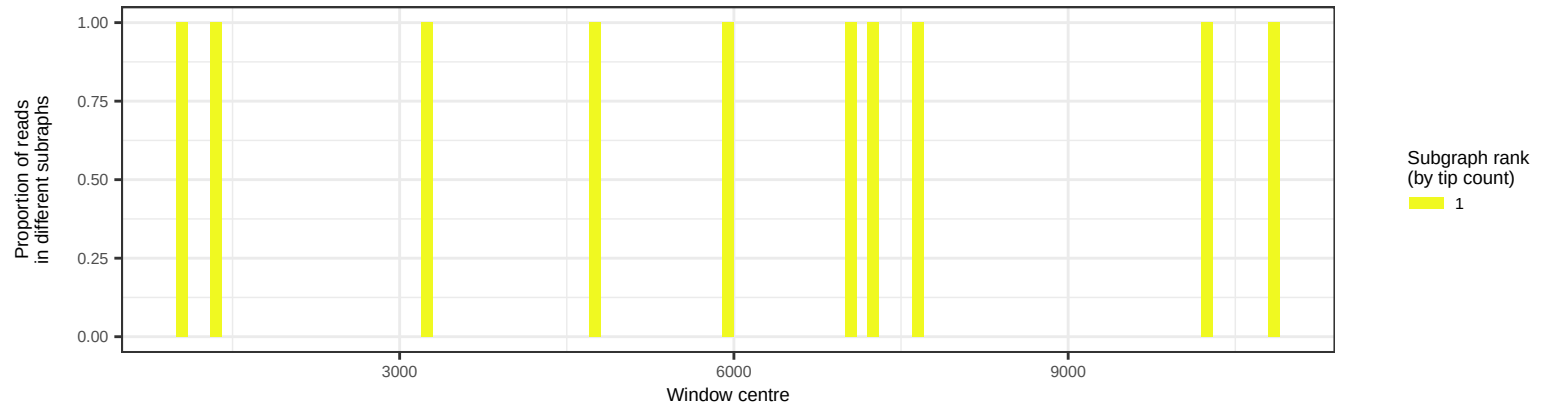

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

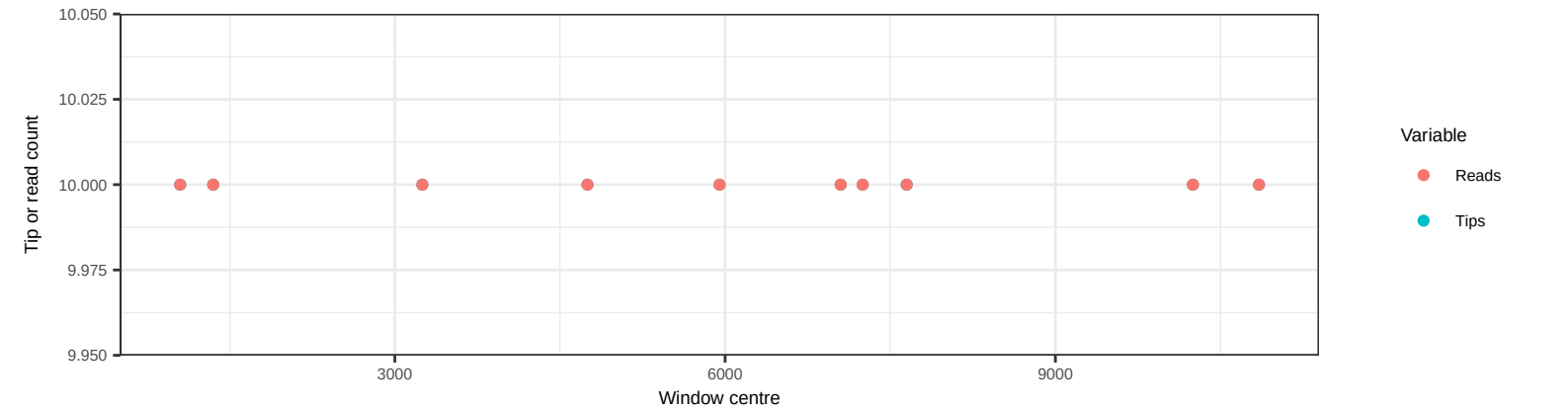

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

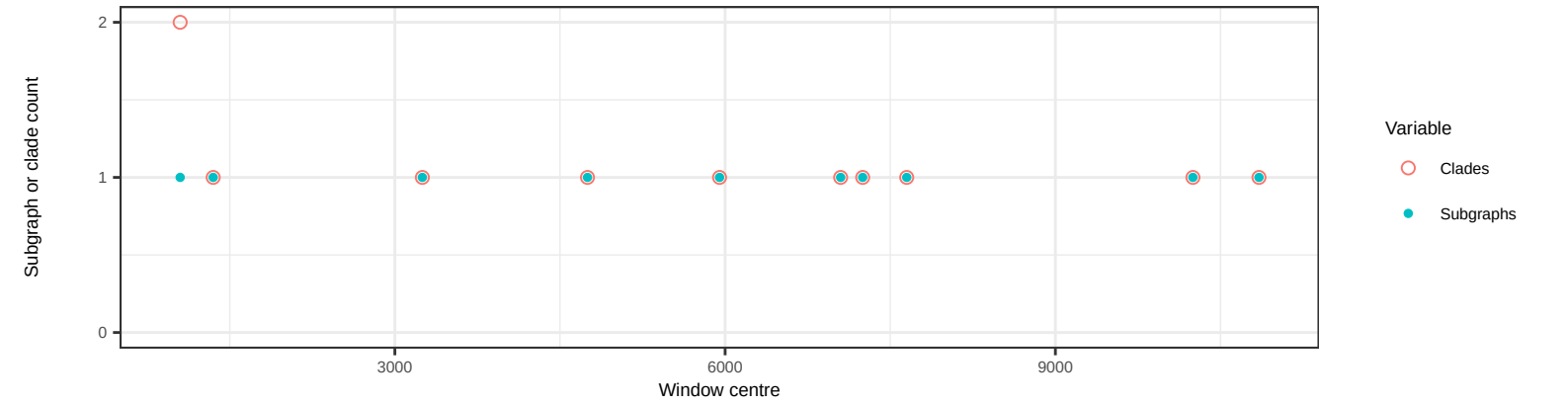

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

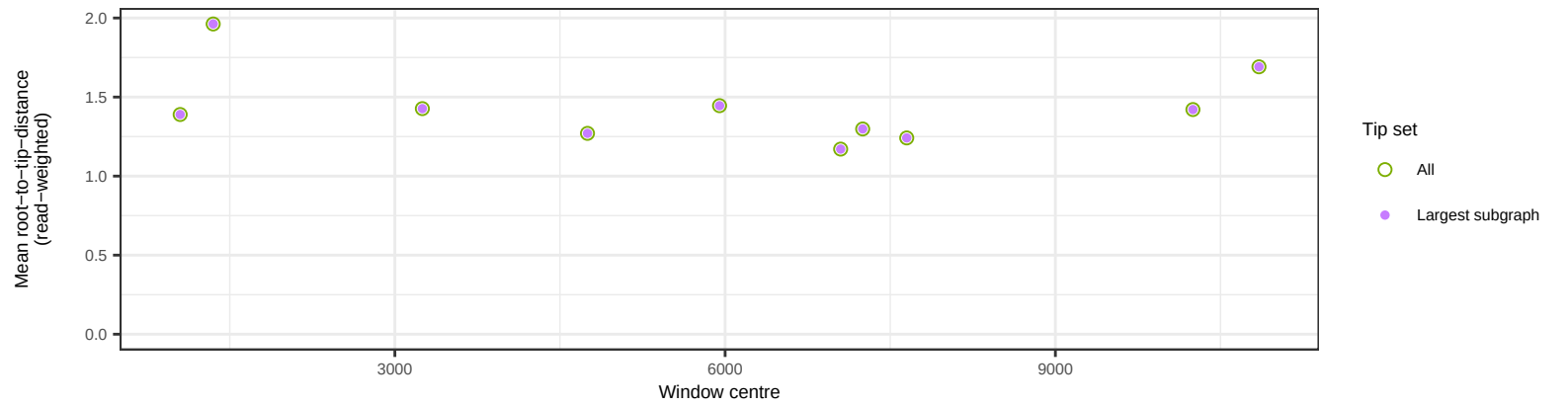

2
1
0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

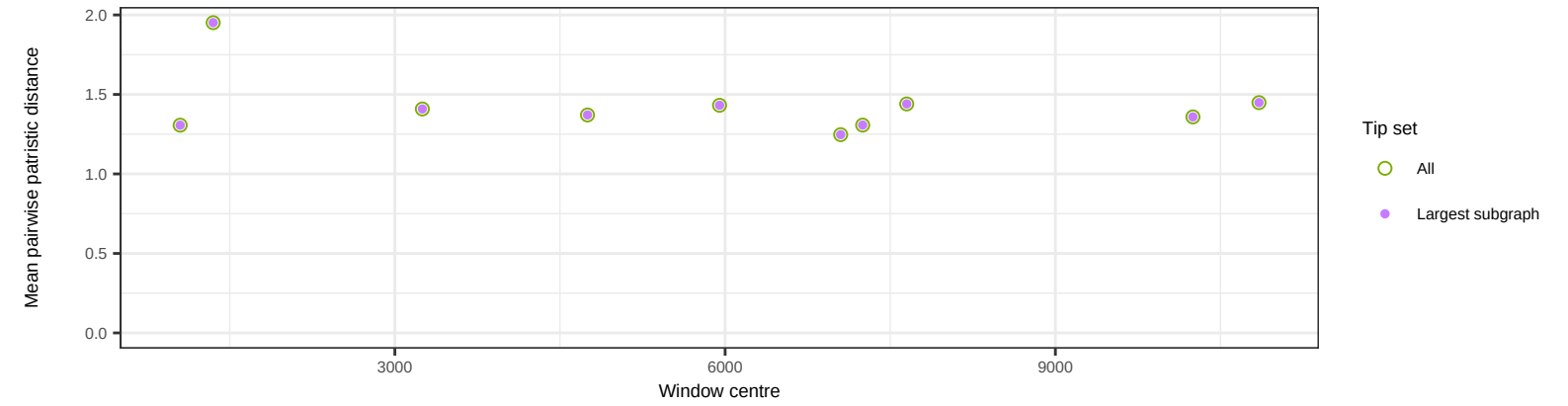

3
2
1
0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

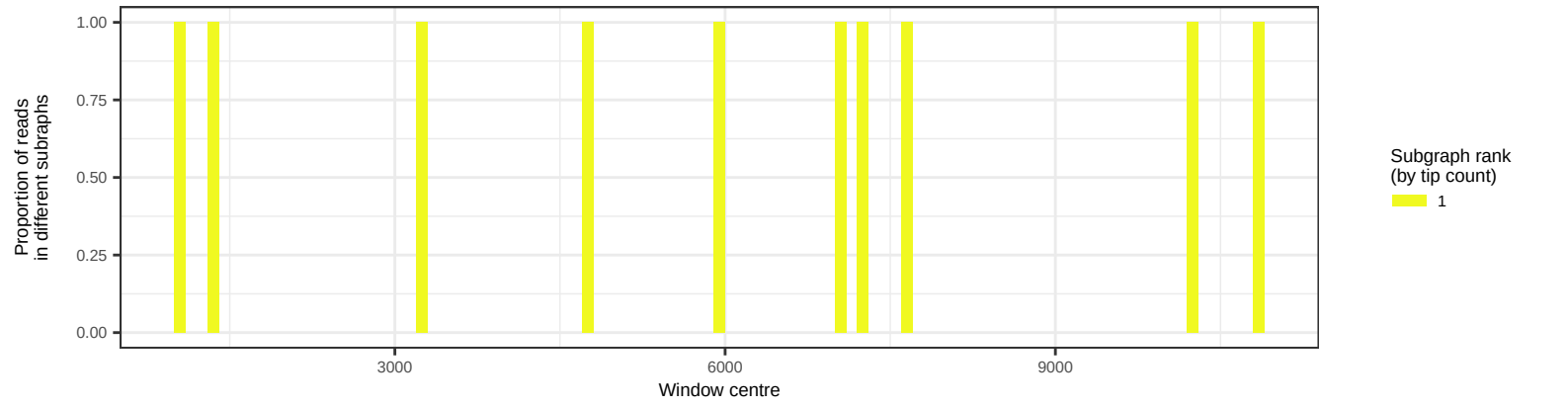

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

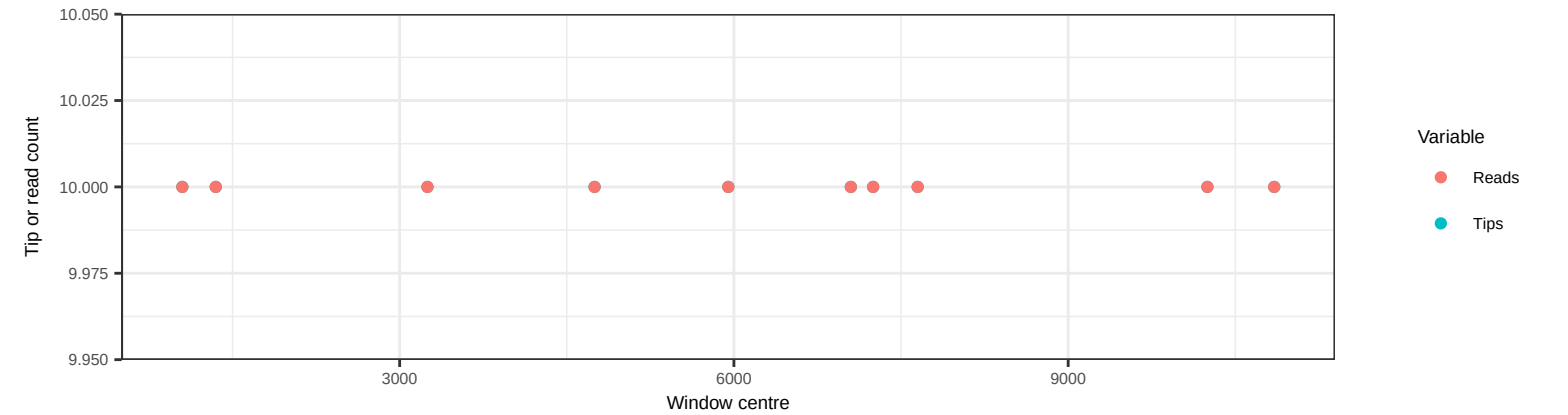

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

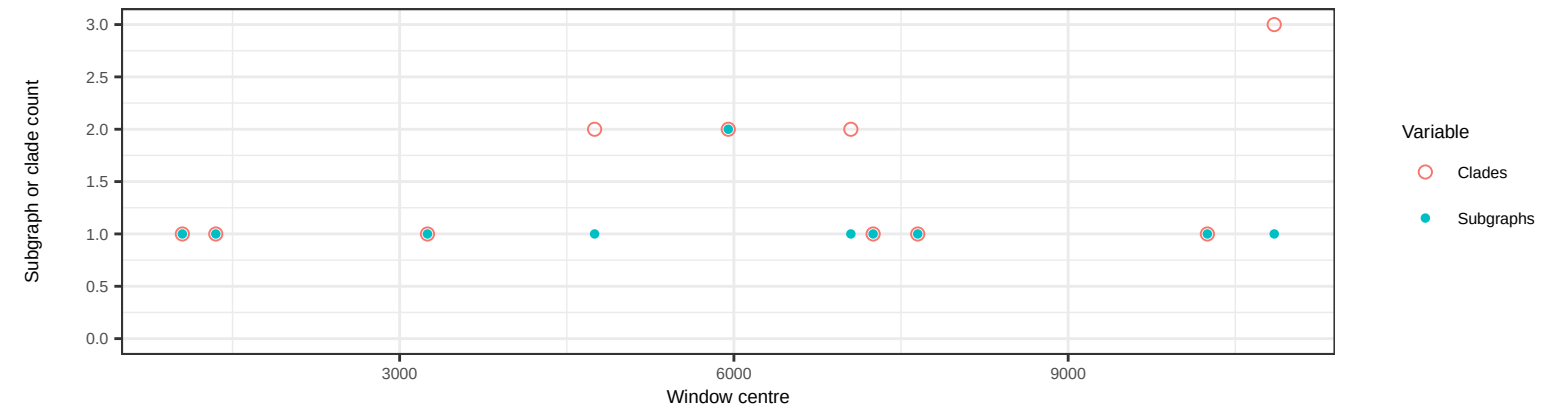

2
1
0
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

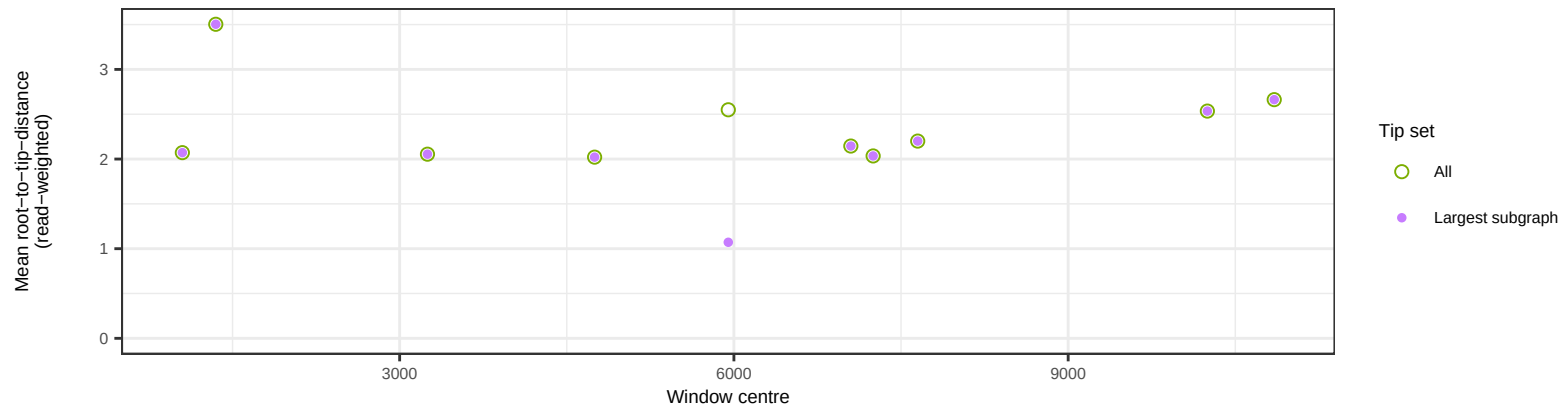

2.0
1.5
1.0
0.5
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

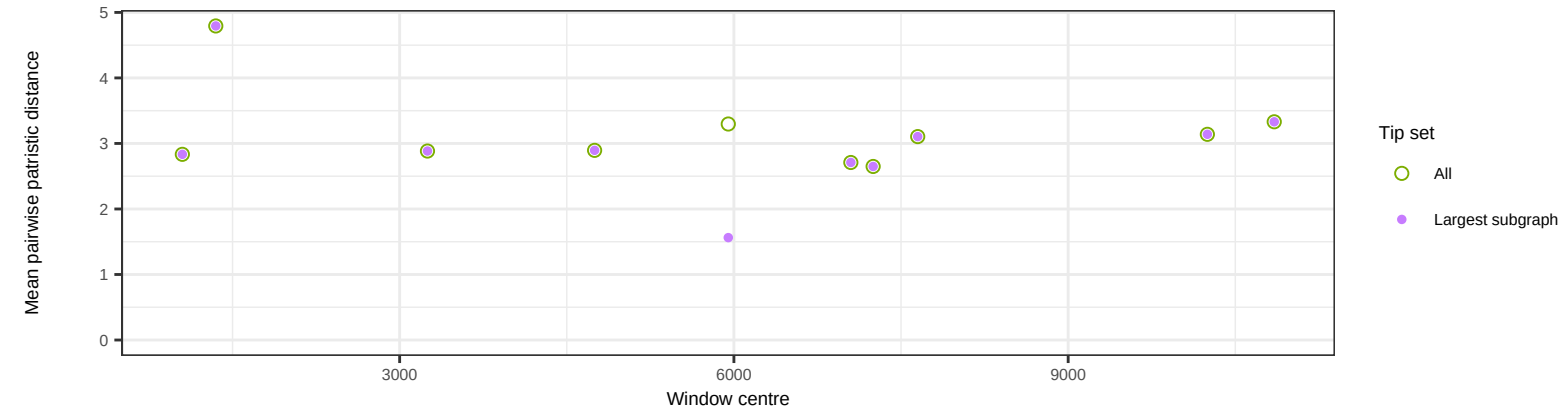

2.0
1.5
1.0
0.5
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

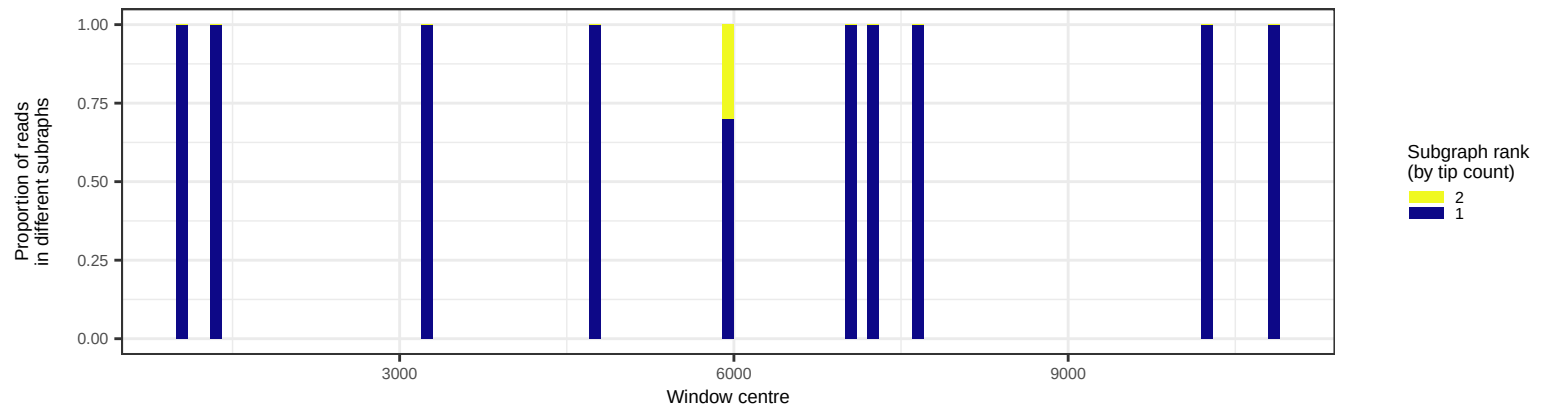

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

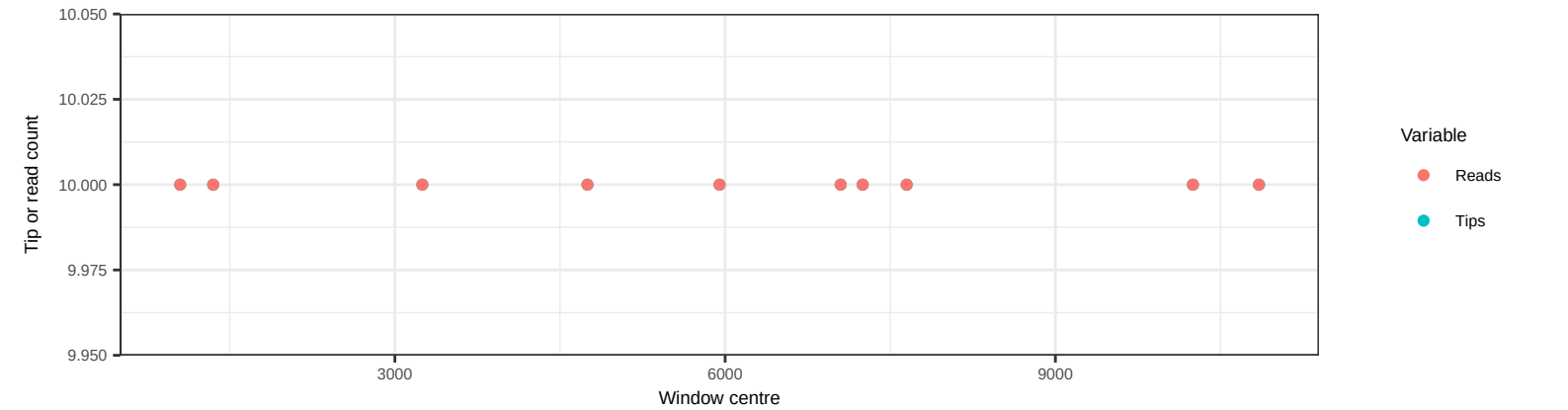

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

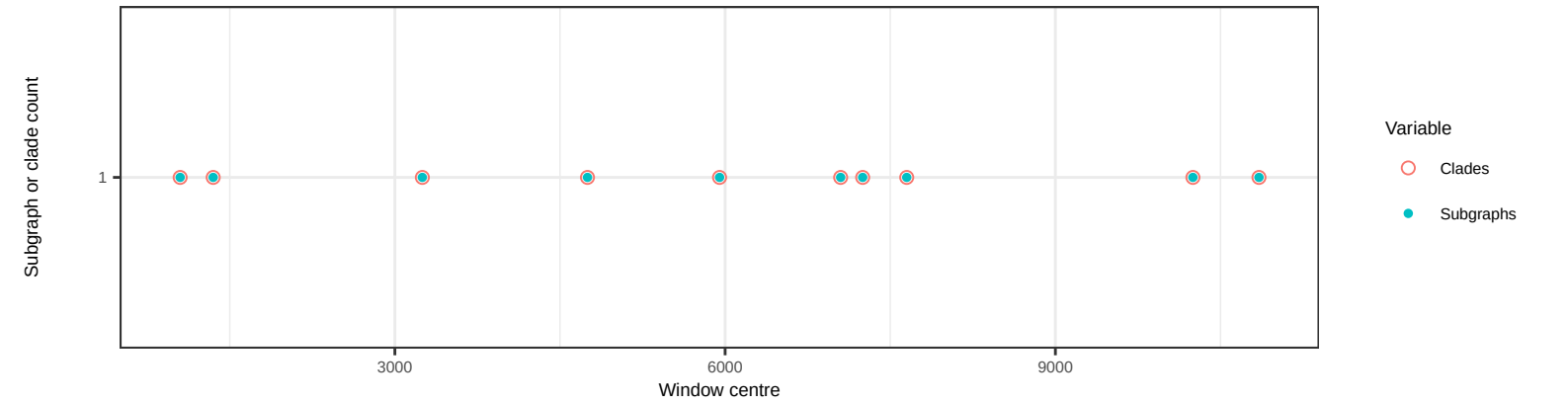

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

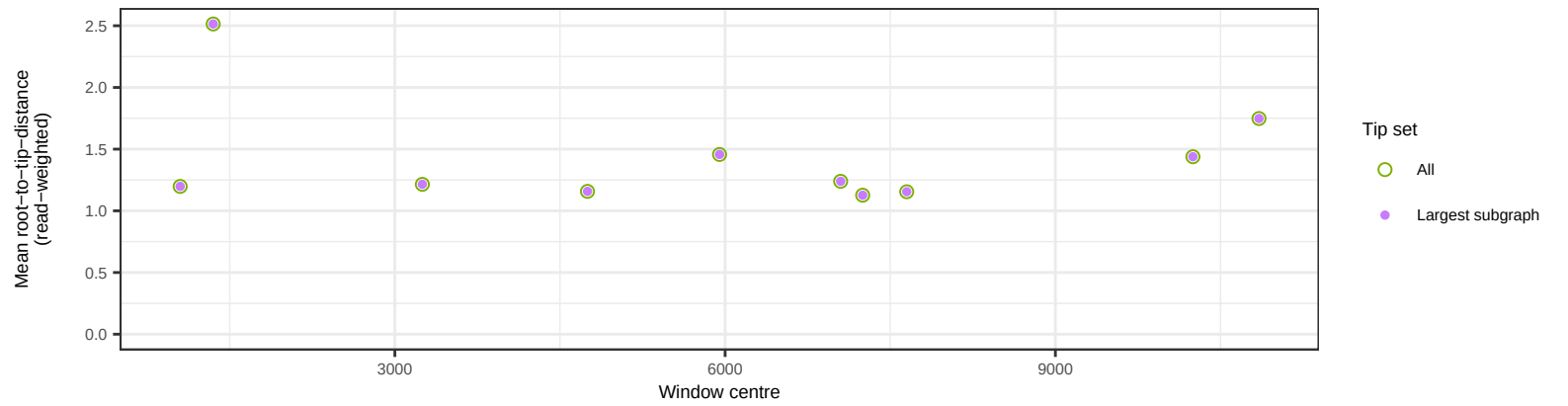

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

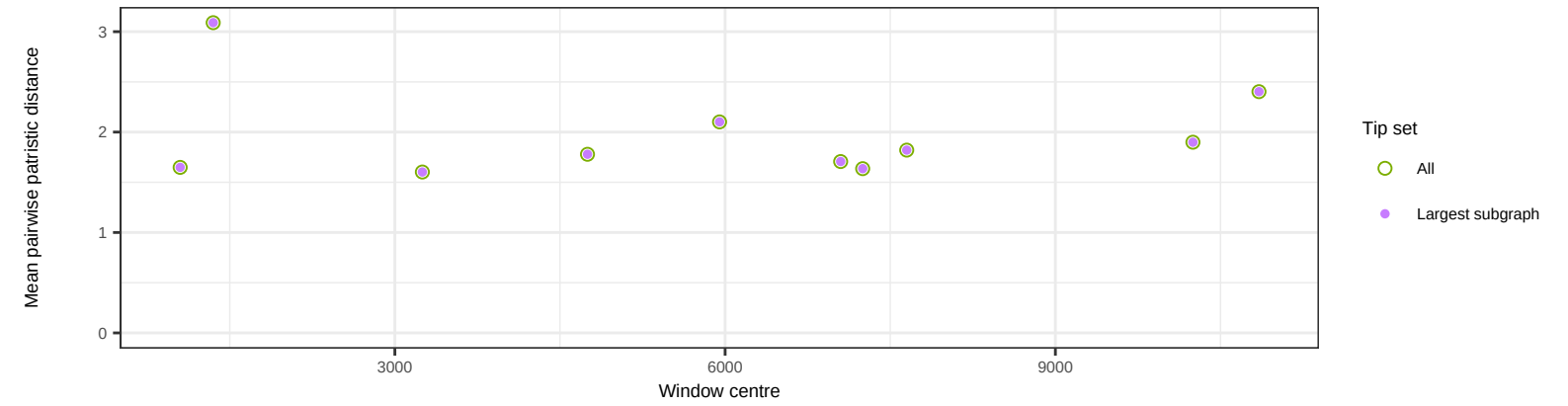

Mean pairwise patristic distance
5
4
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

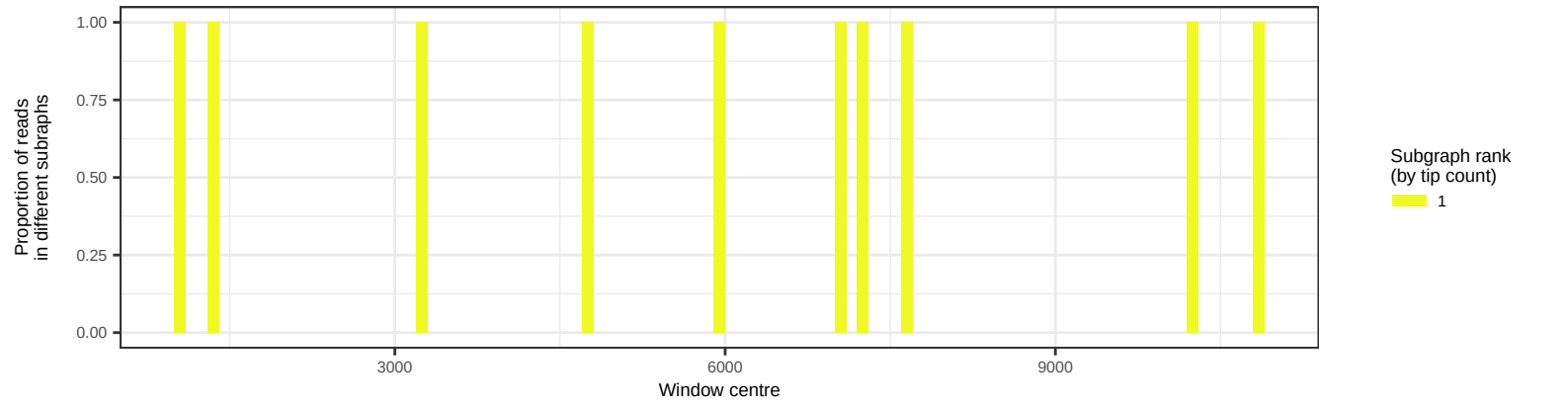

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
2
1

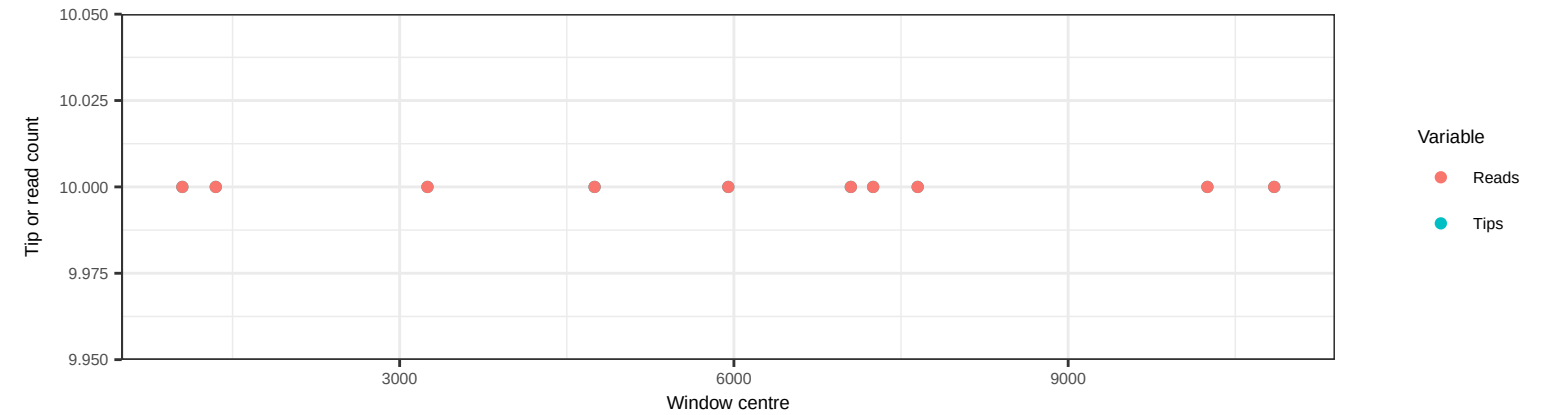

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

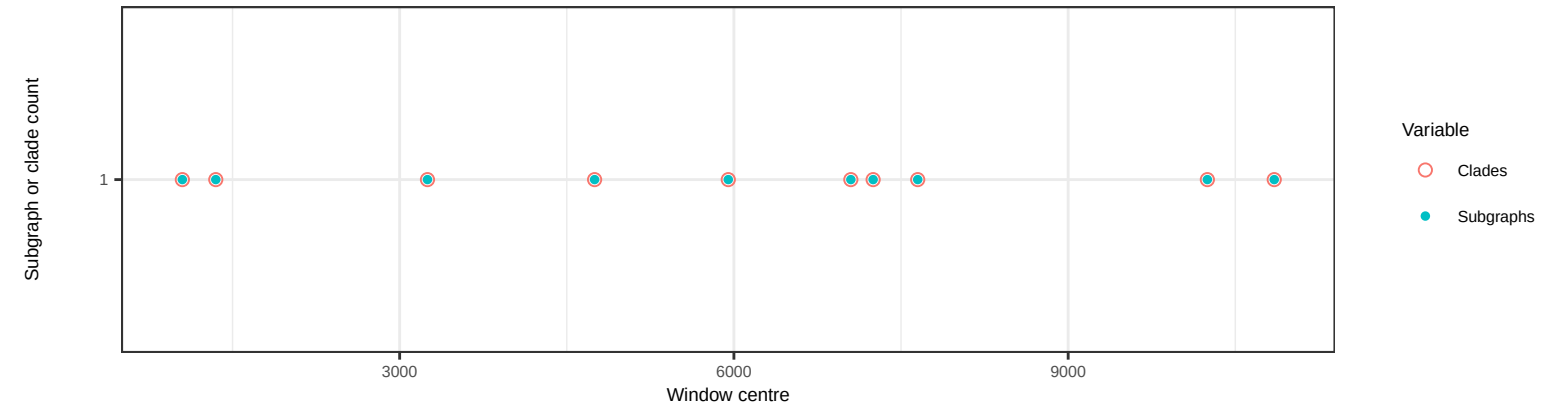

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

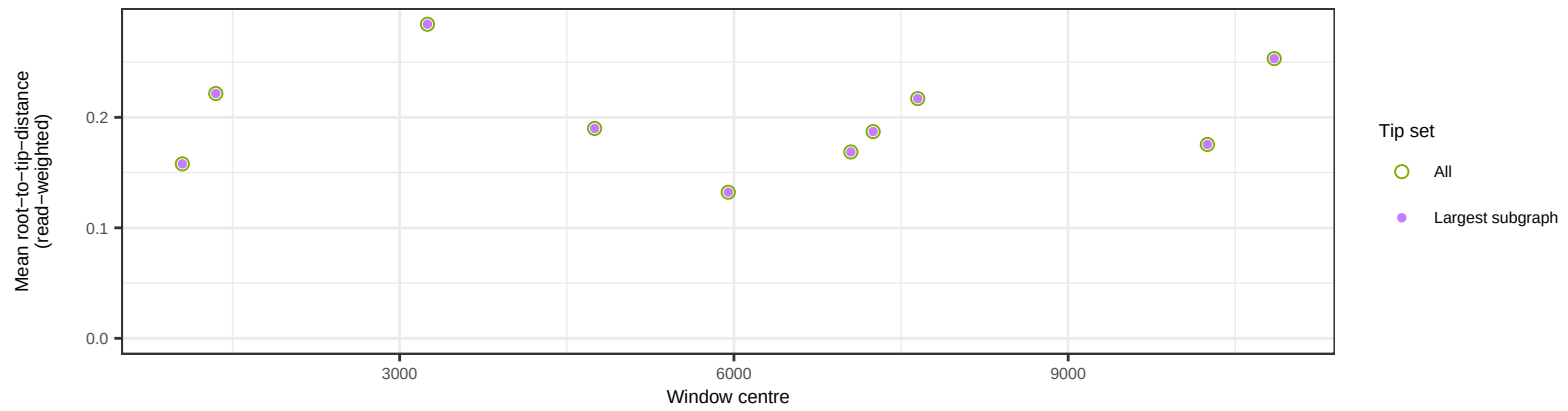

2.5
2.0
1.5
1.0
0.5
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

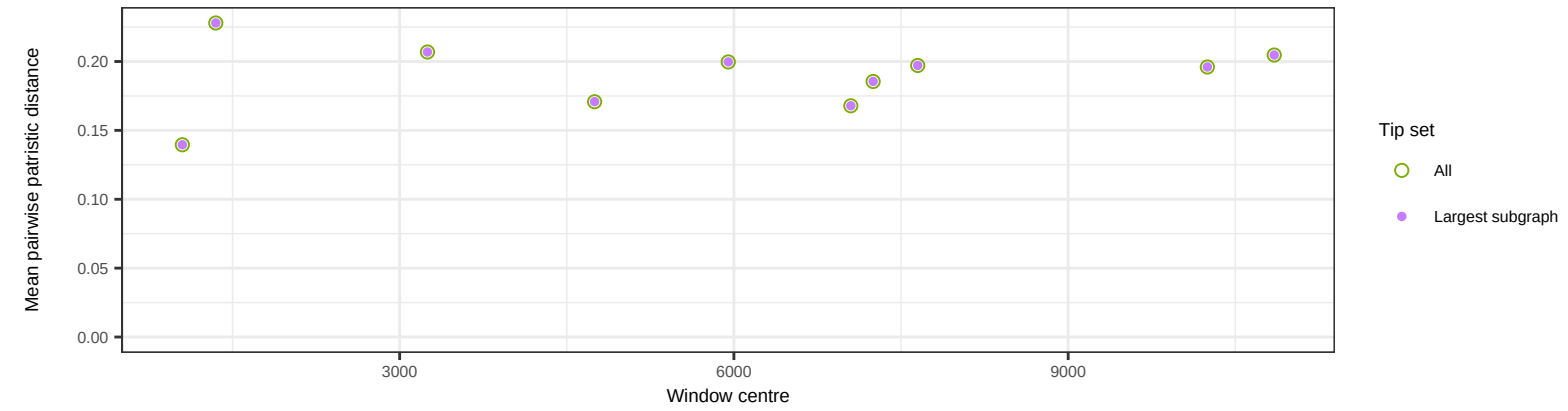

3
2
1
0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

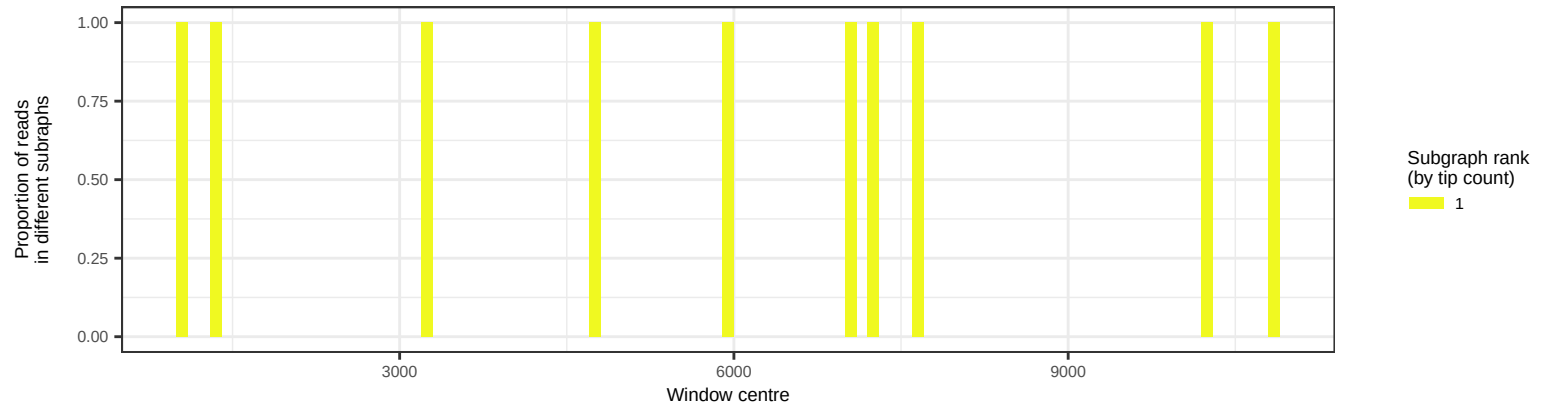

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

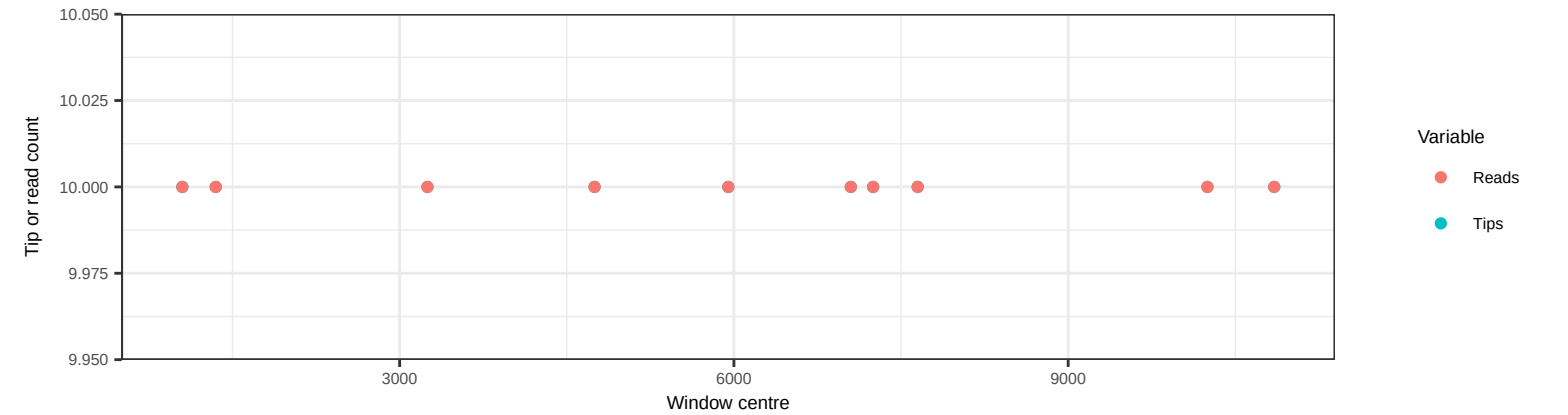

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

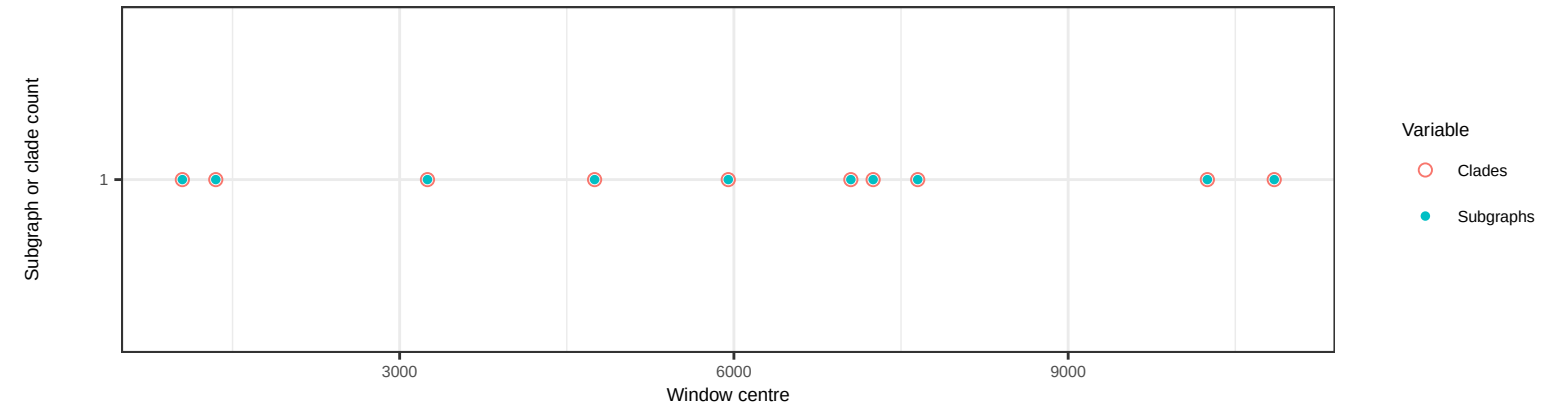

Mean root−to−tip−distance
(read−weighted)
0.2
0.1
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

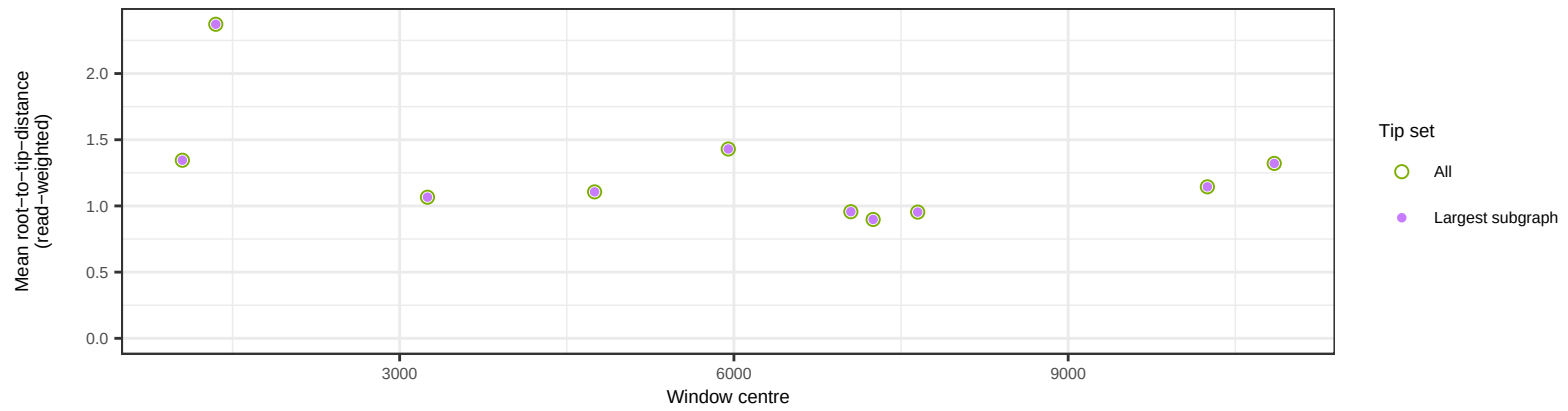

Mean pairwise patristic distance
0.20
0.15
0.10
0.05
0.00
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

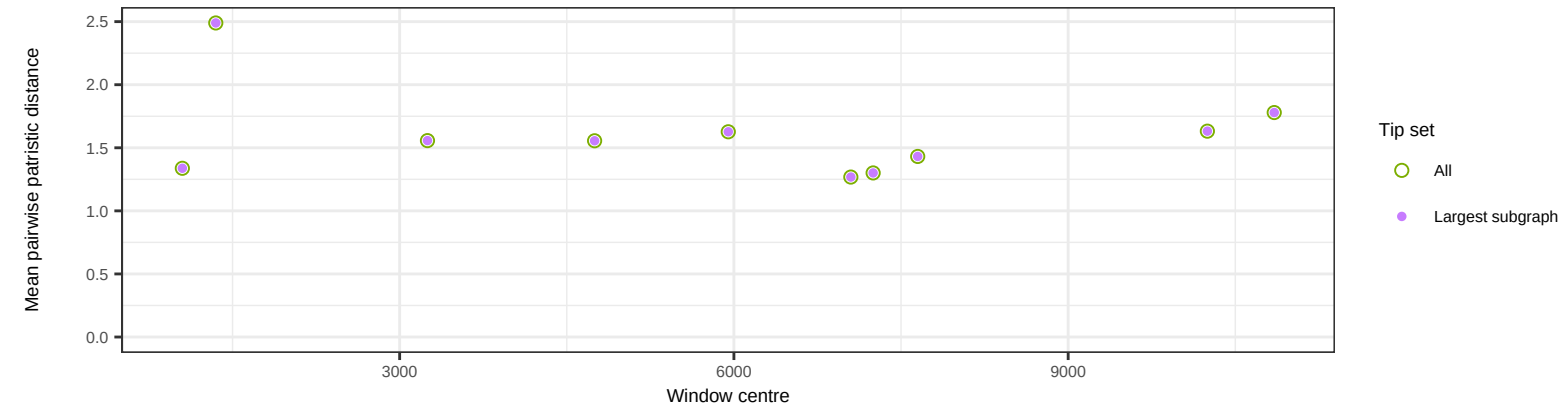

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

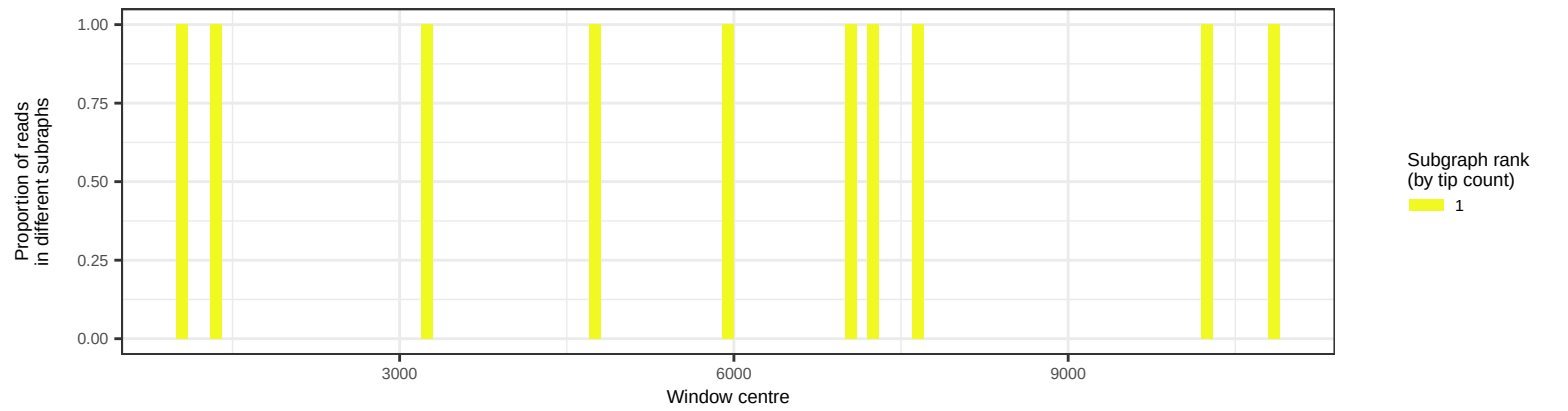
301

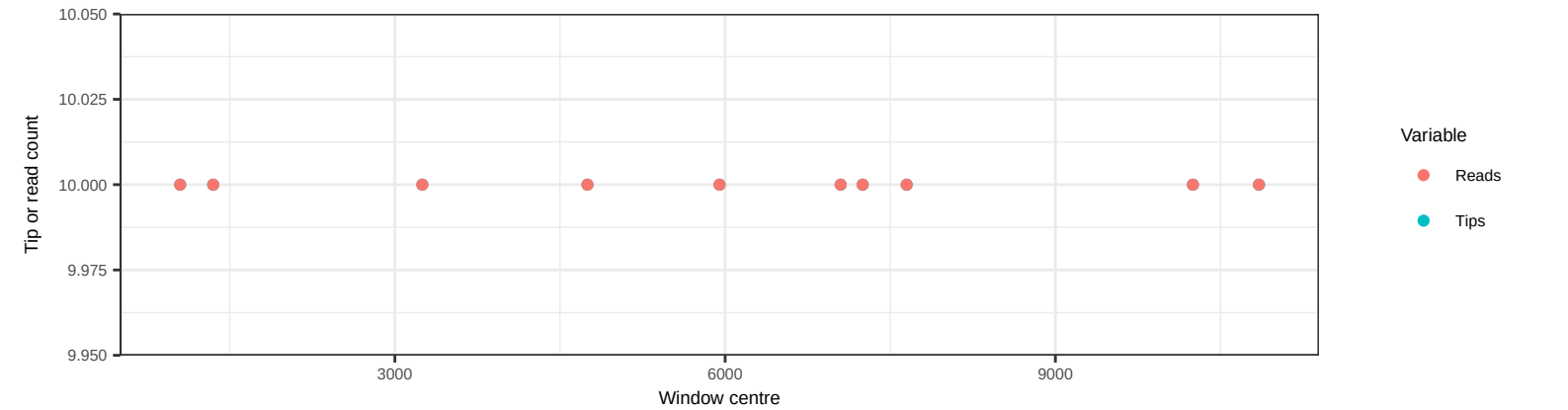

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

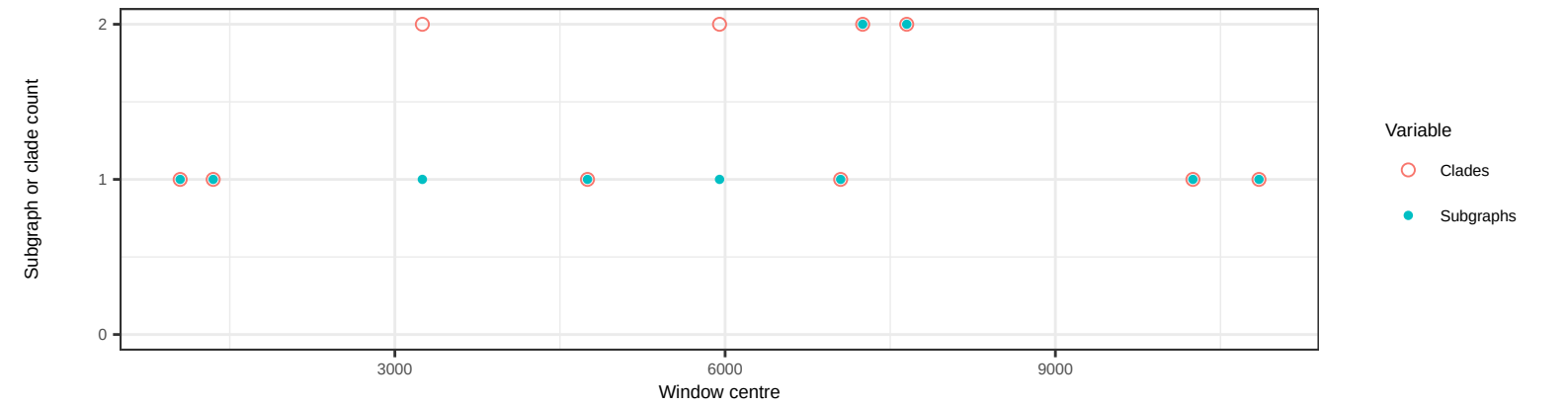

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

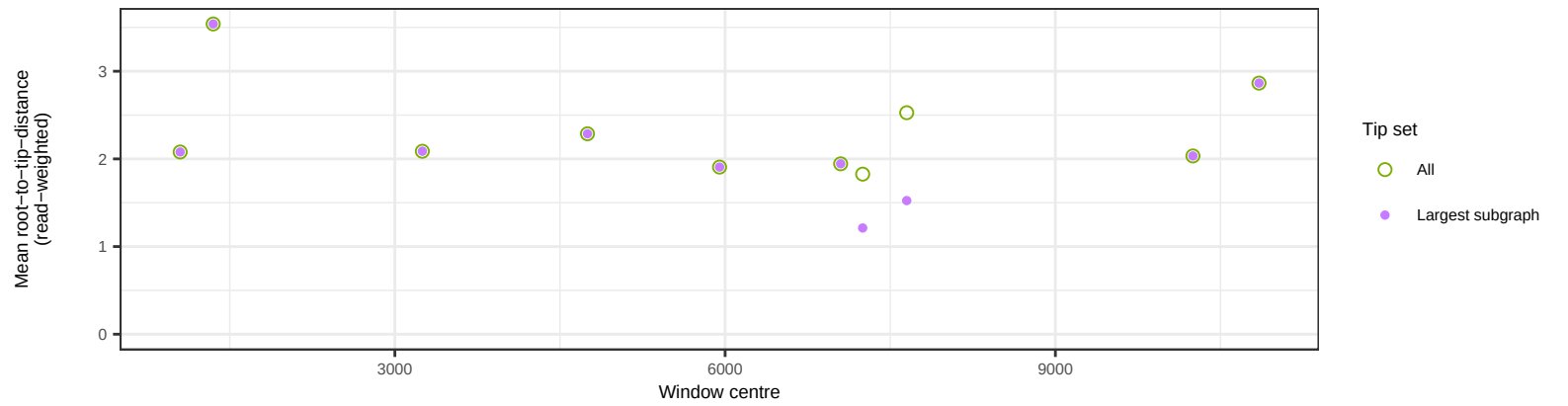

Mean root−to−tip−distance
(read−weighted)
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

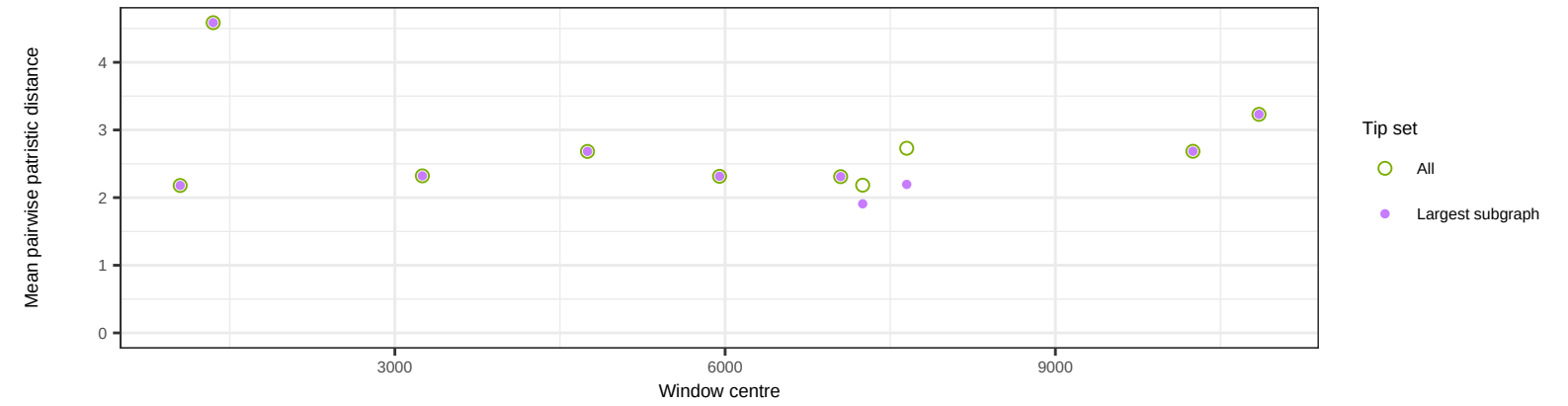

Mean pairwise patristic distance
2.5
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

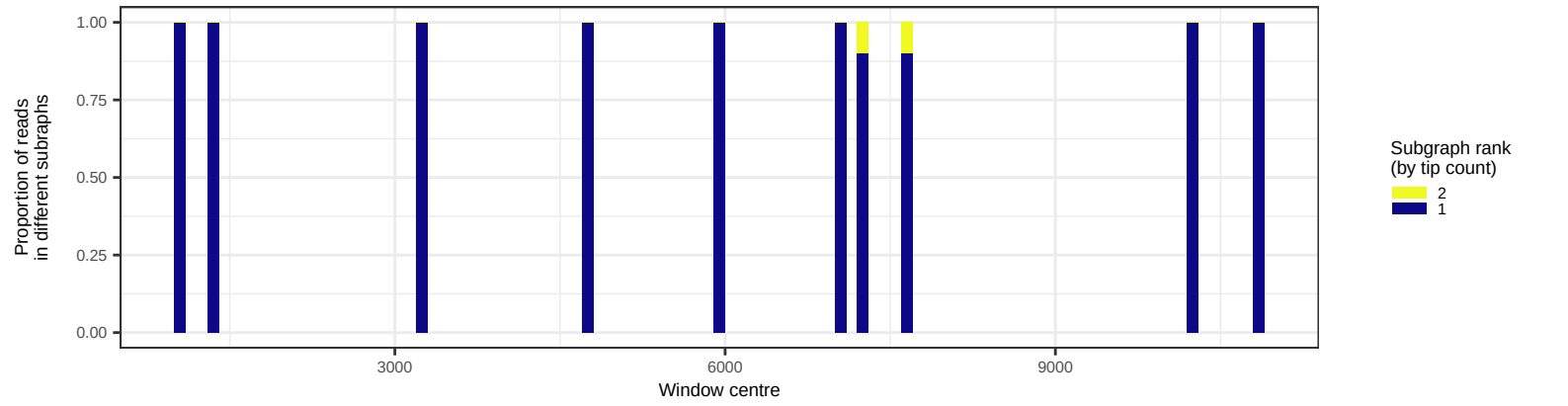

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

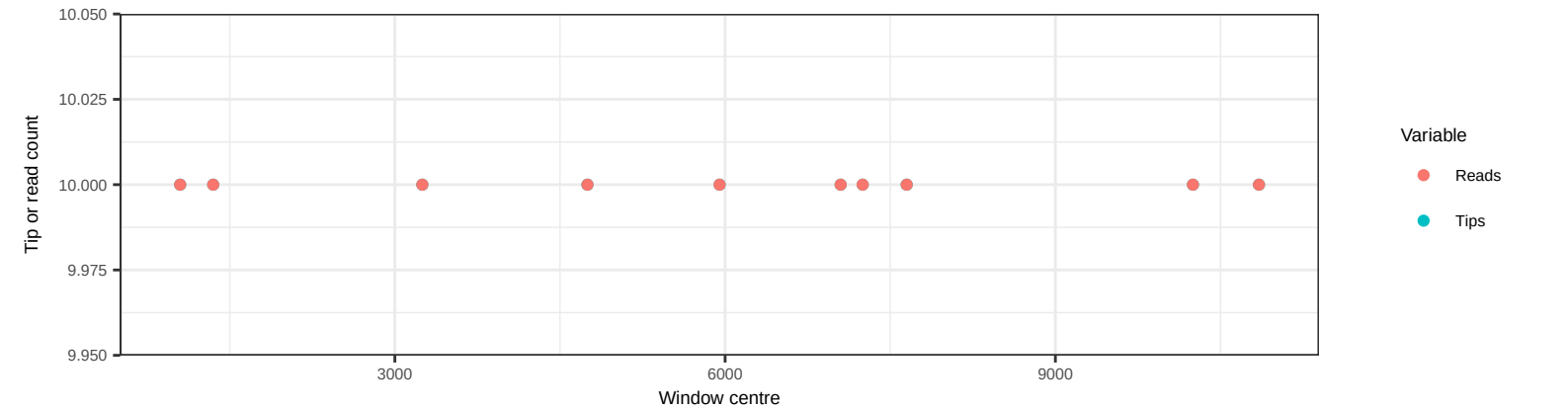

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

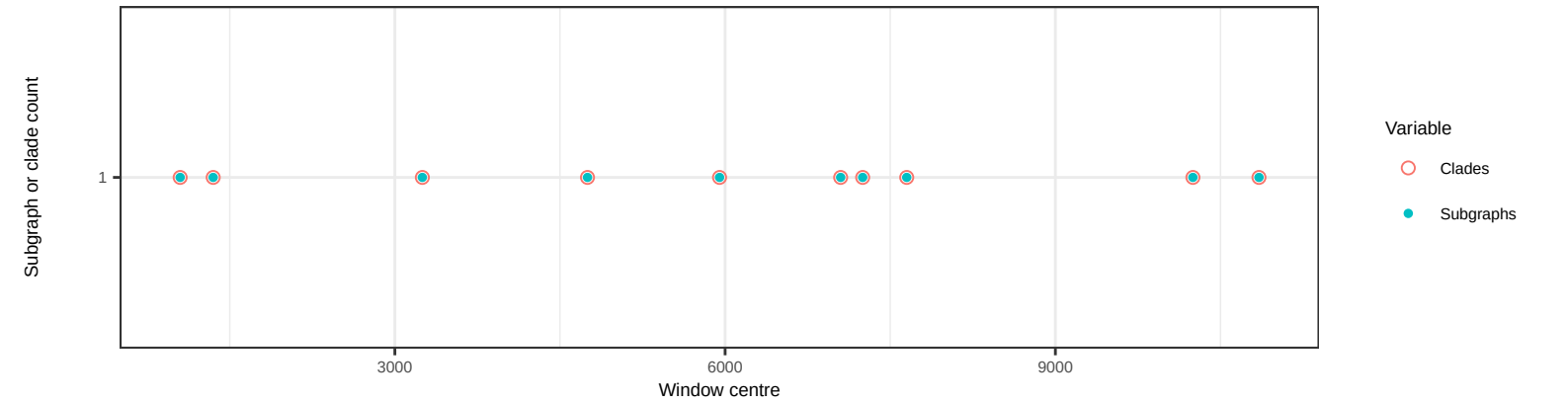

2
1
0
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

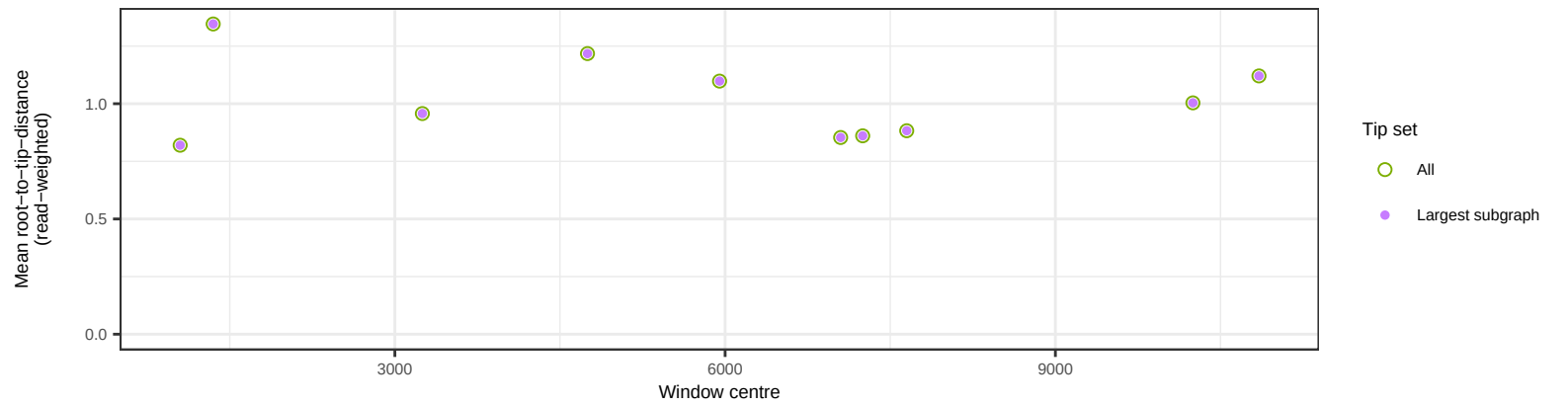

3
2
1
0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

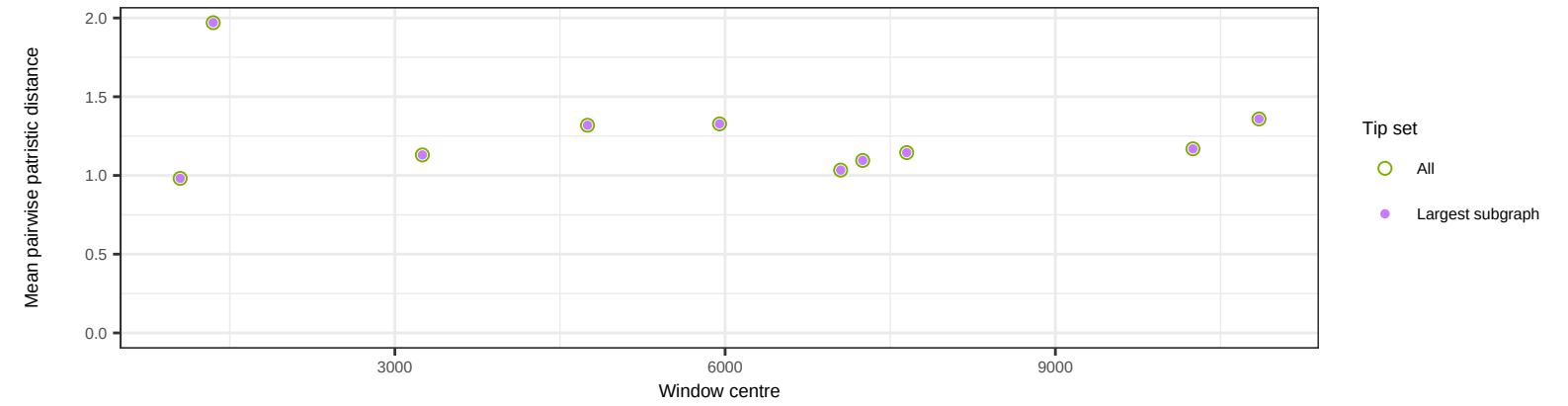

4
3
2
1
0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

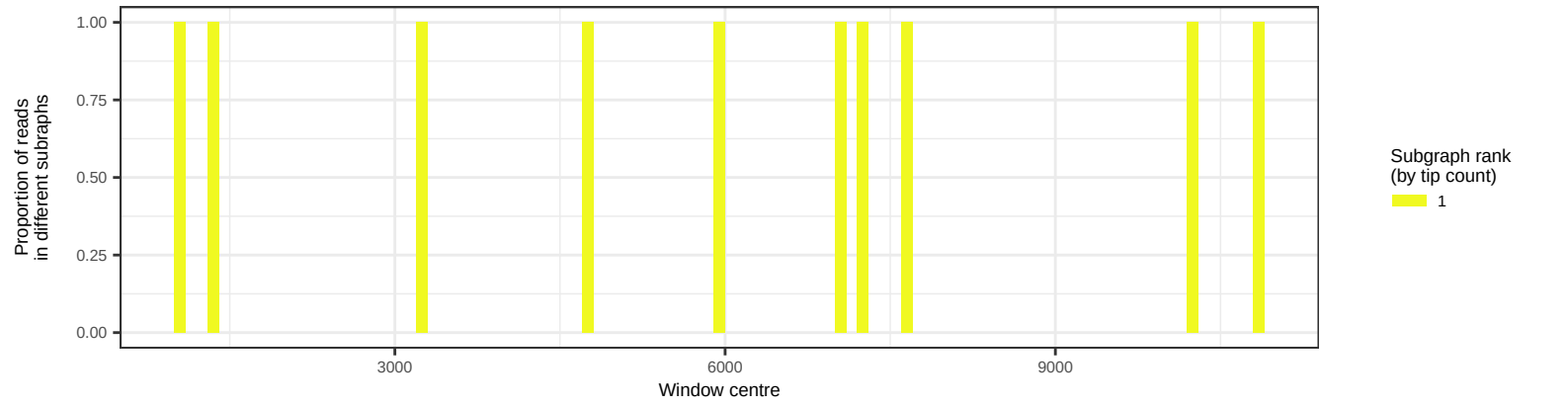

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
2
1

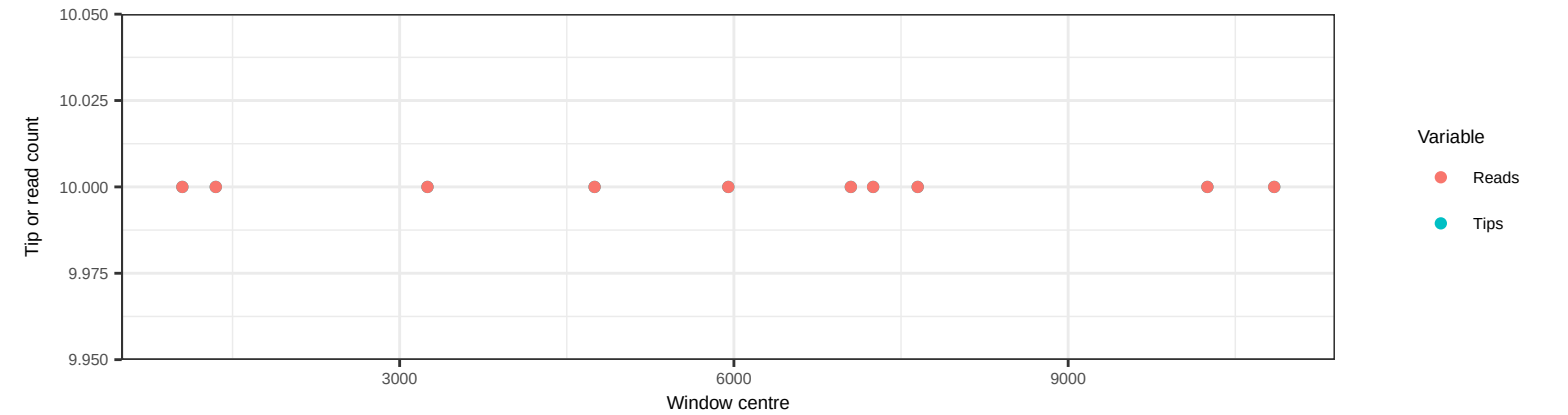

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

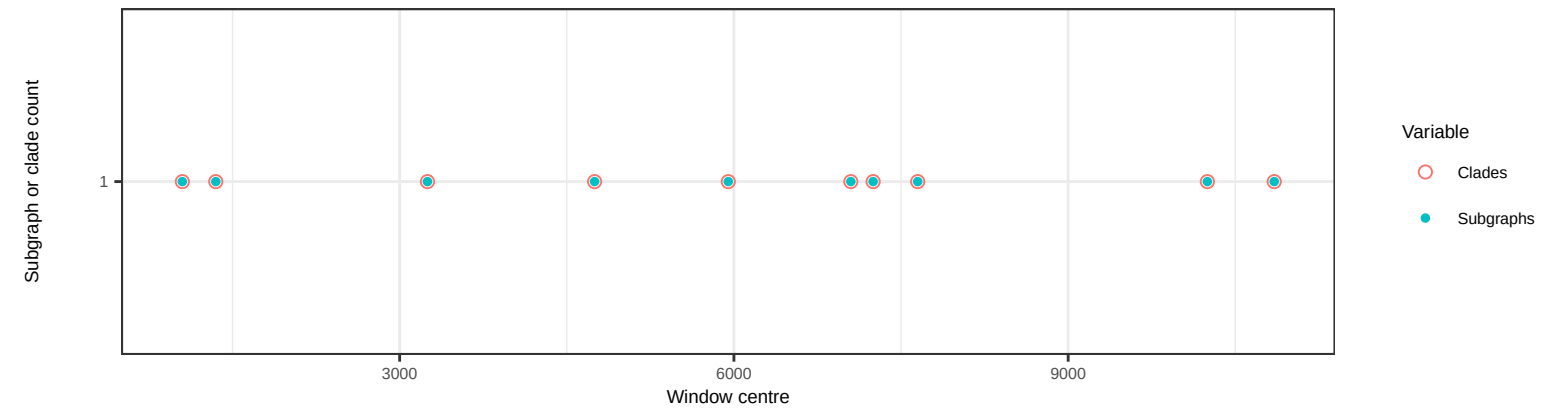

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

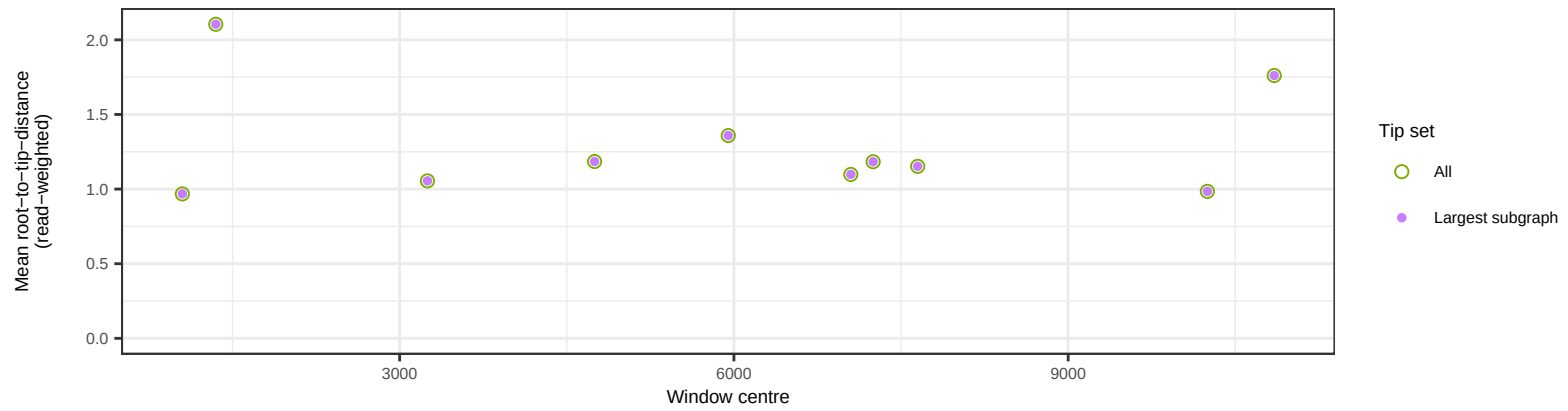

1.0
0.5
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

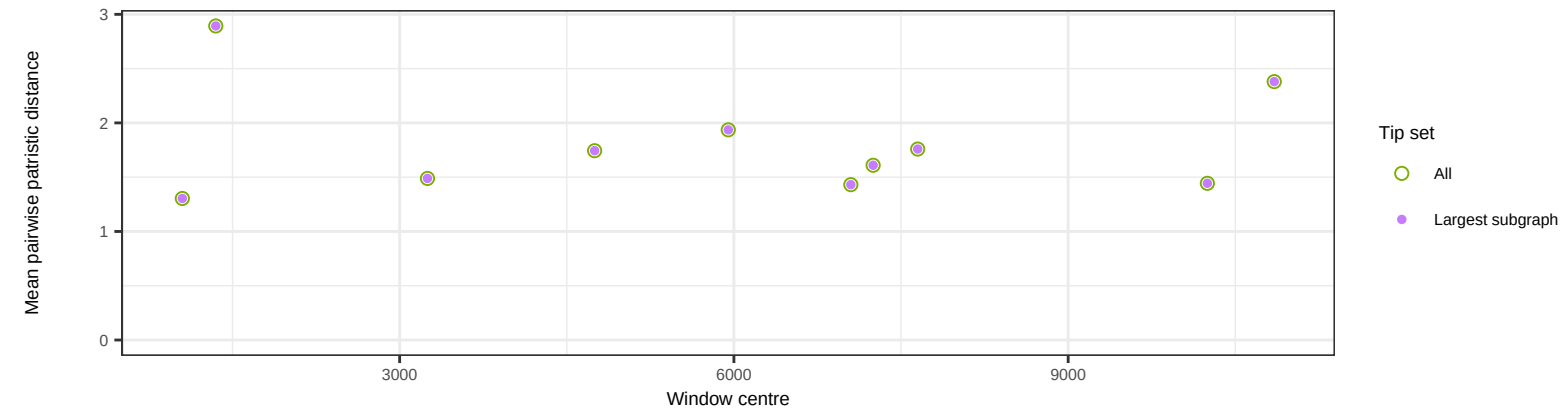

2.0
1.5
1.0
0.5
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

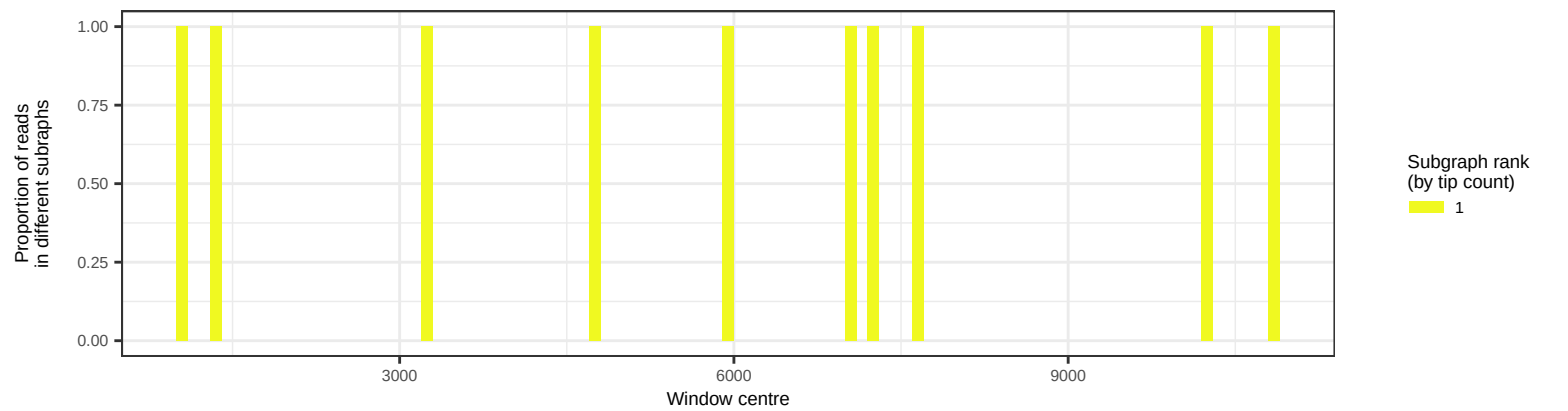

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

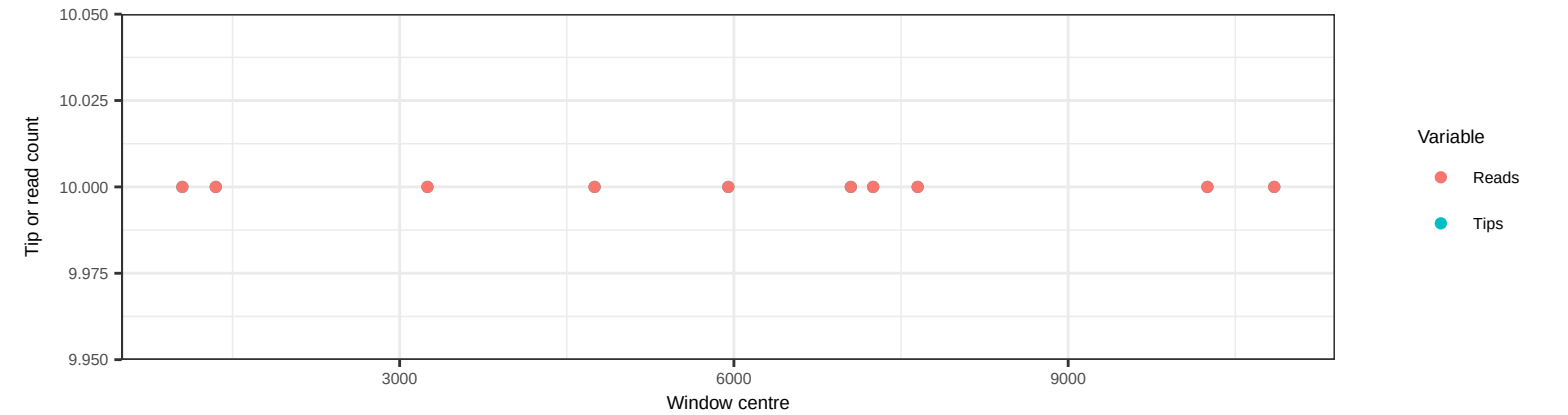

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

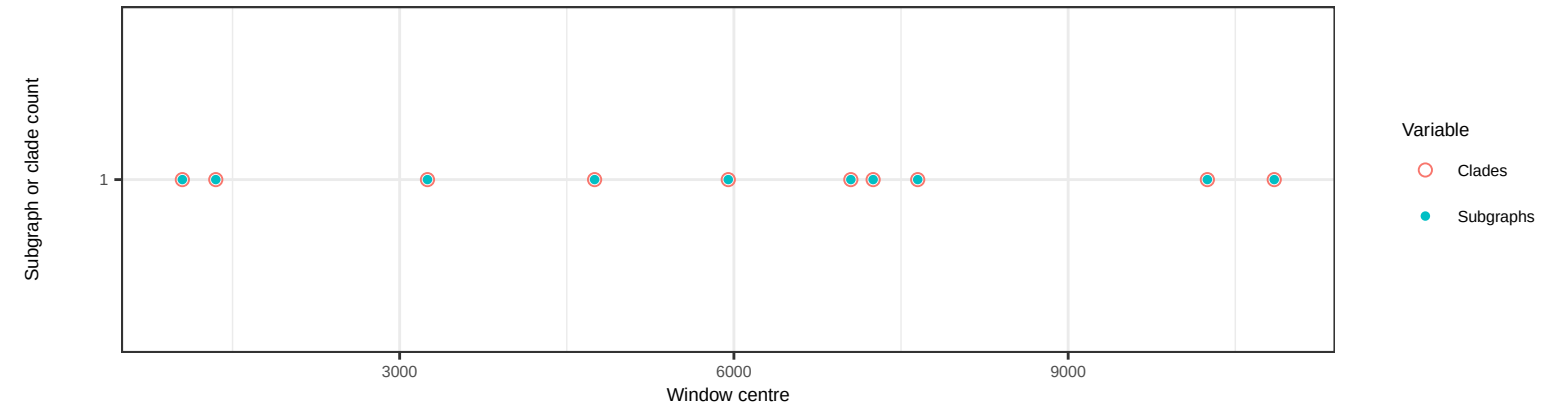

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

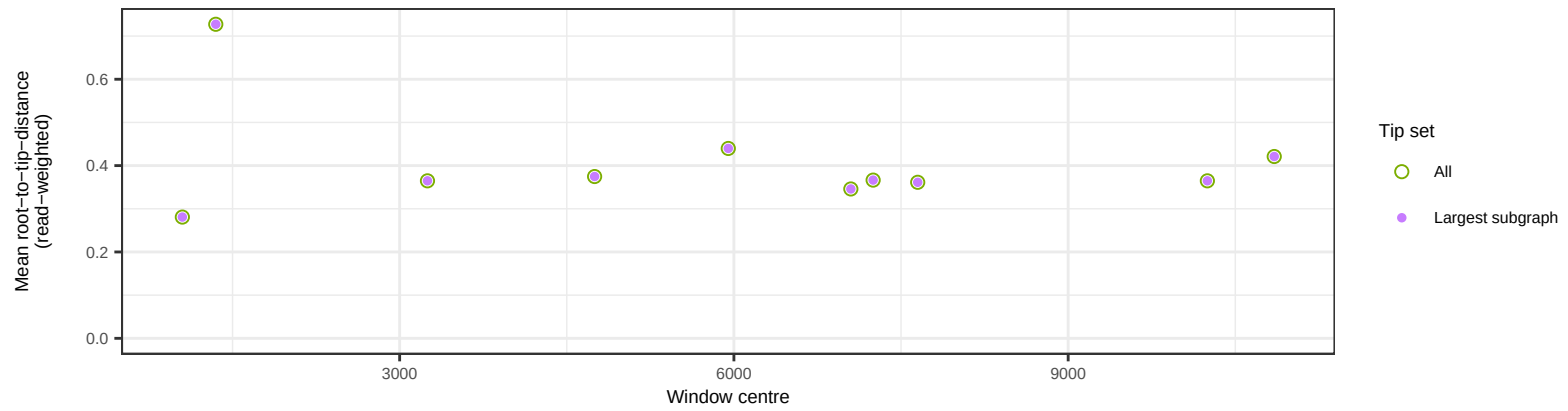

2.0
1.5
1.0
0.5
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

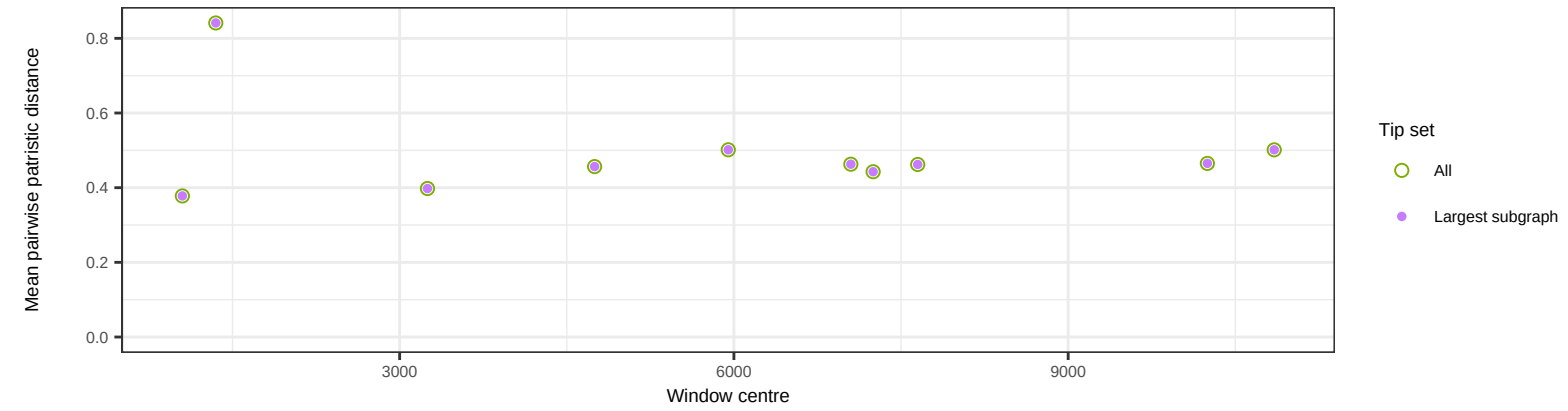

3
2
1
0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

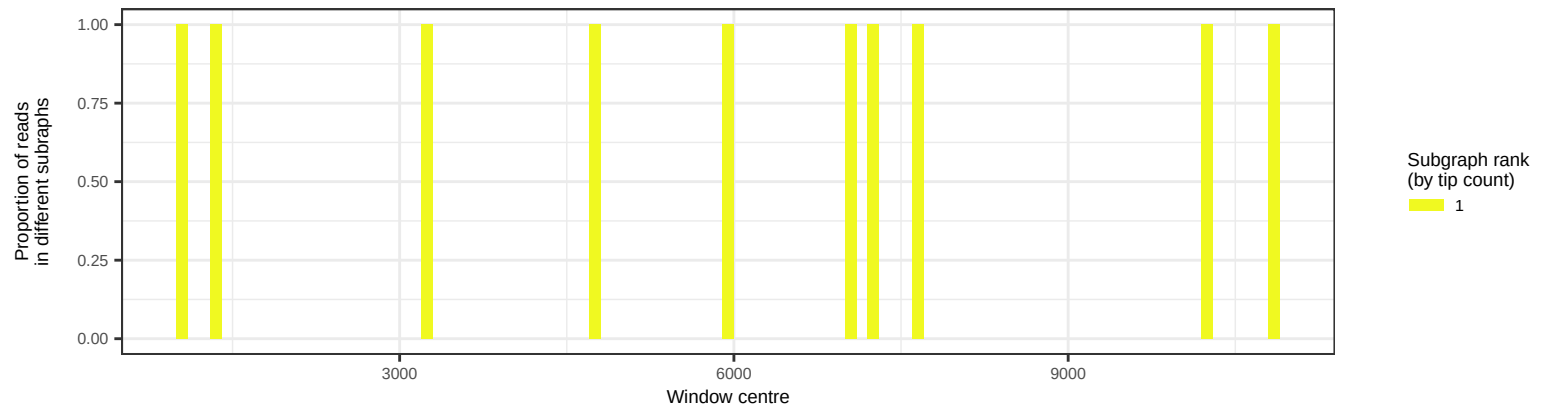

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

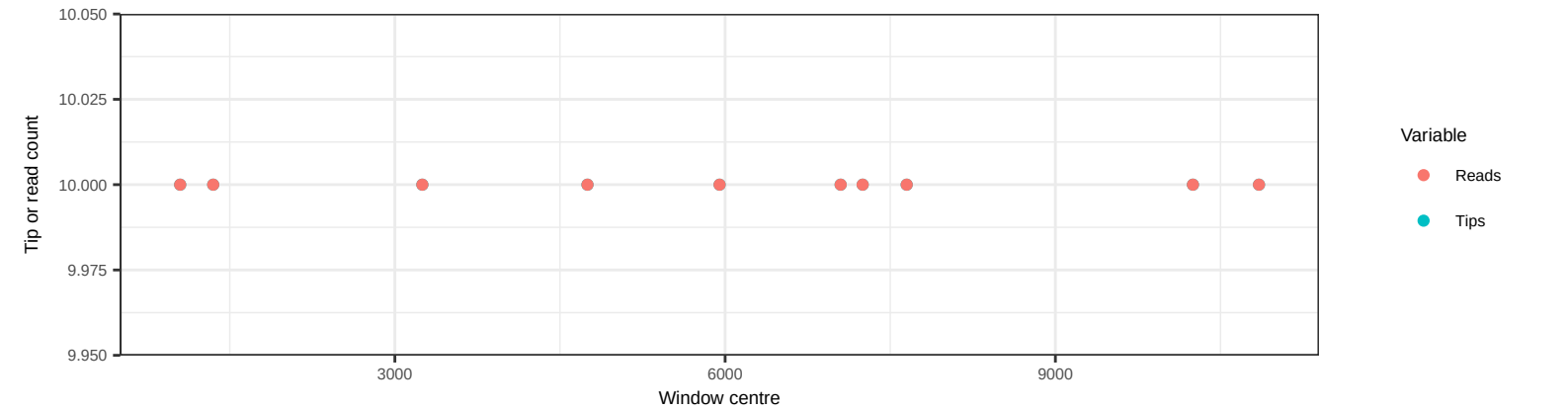

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

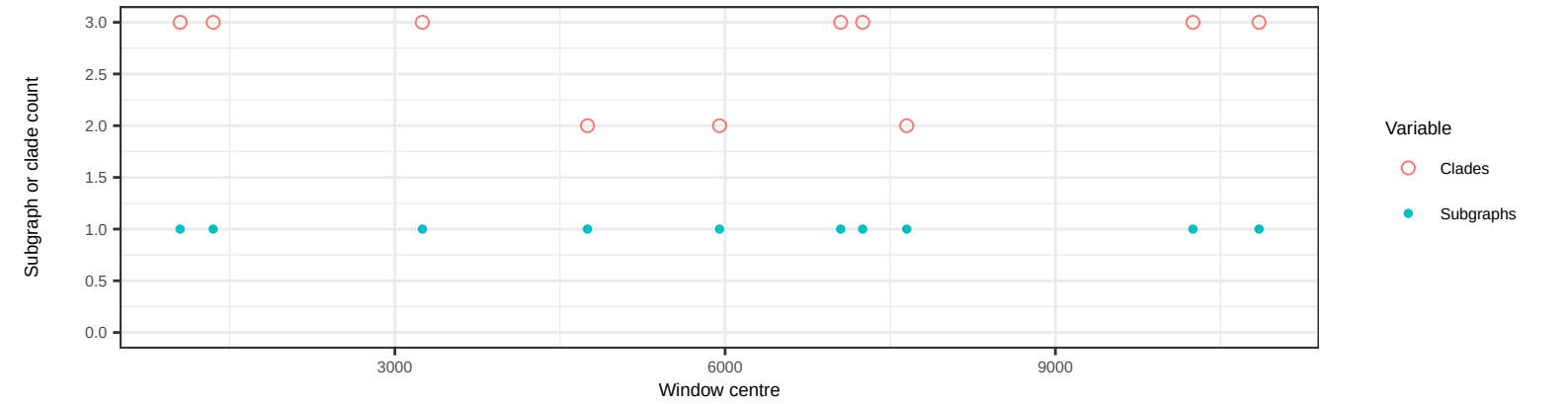

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

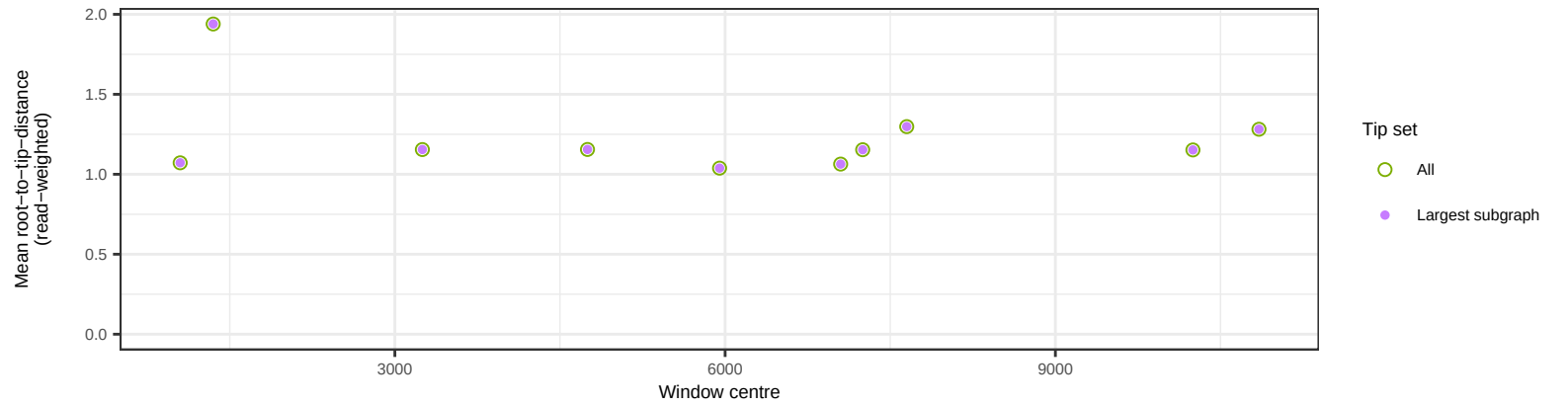

0.6
0.4
0.2
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

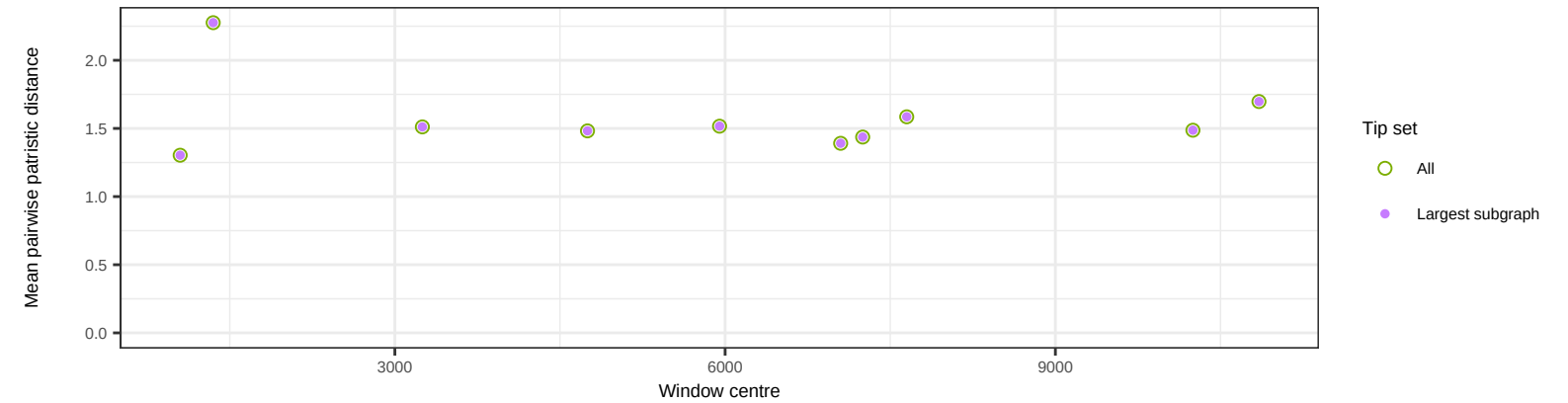

0.8
0.6
0.4
0.2
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

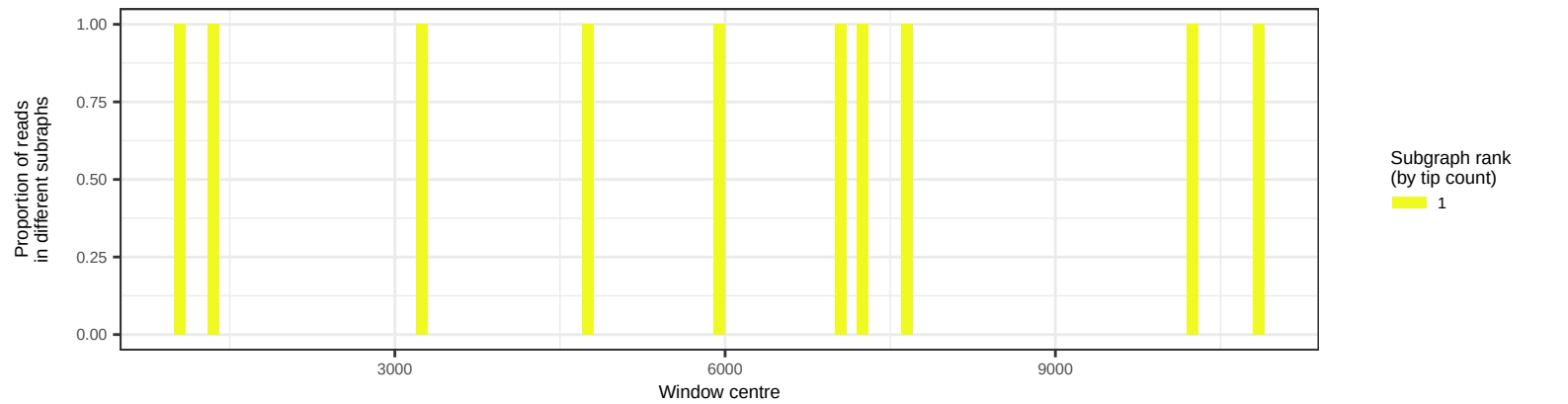

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

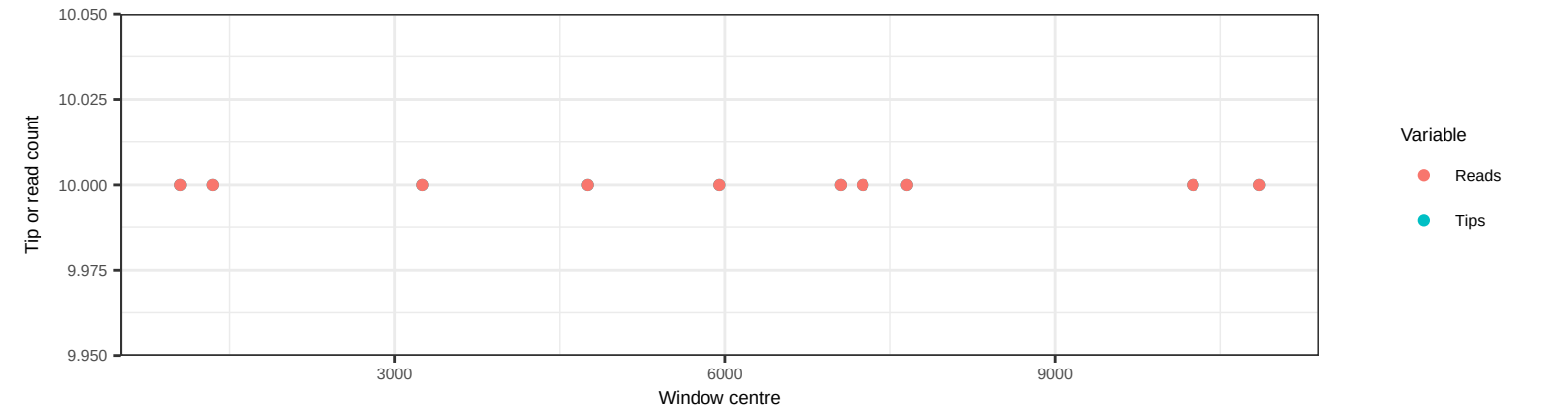

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

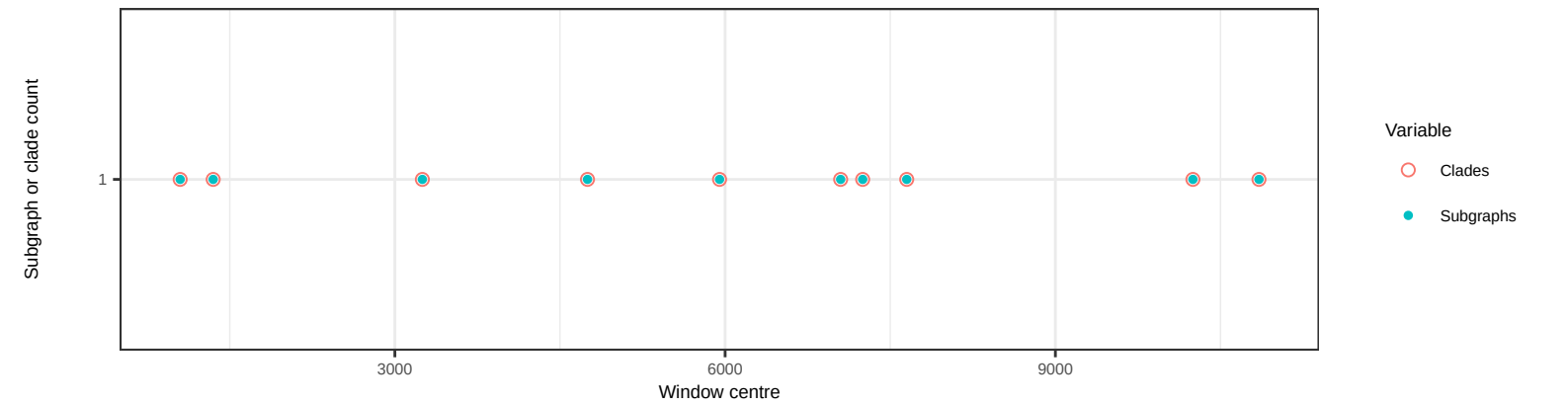

3.0
2.5
2.0
1.5
1.0
0.5
0.0
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

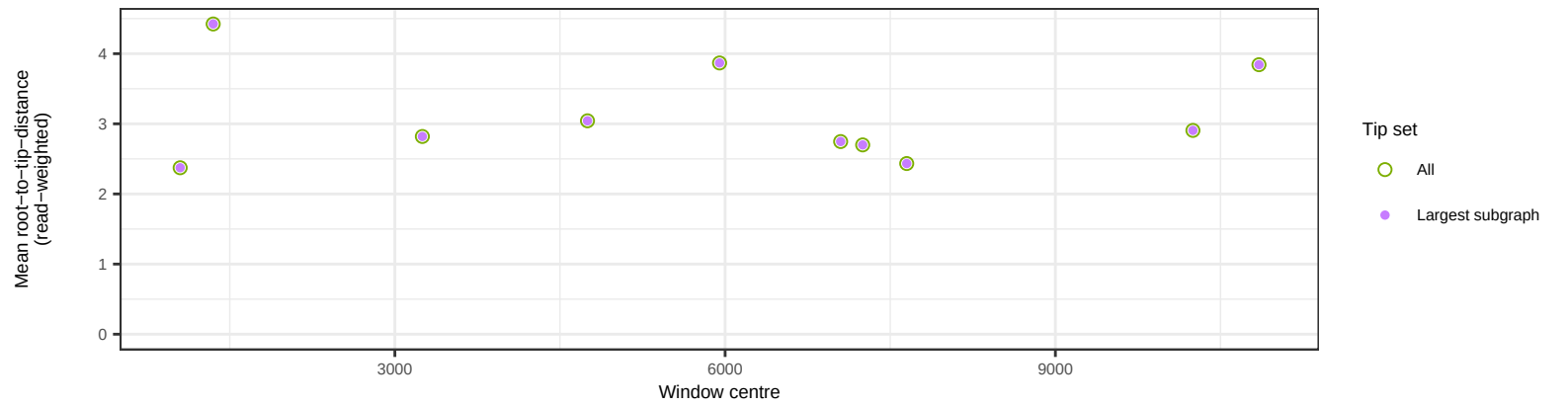

2.0
1.5
1.0
0.5
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

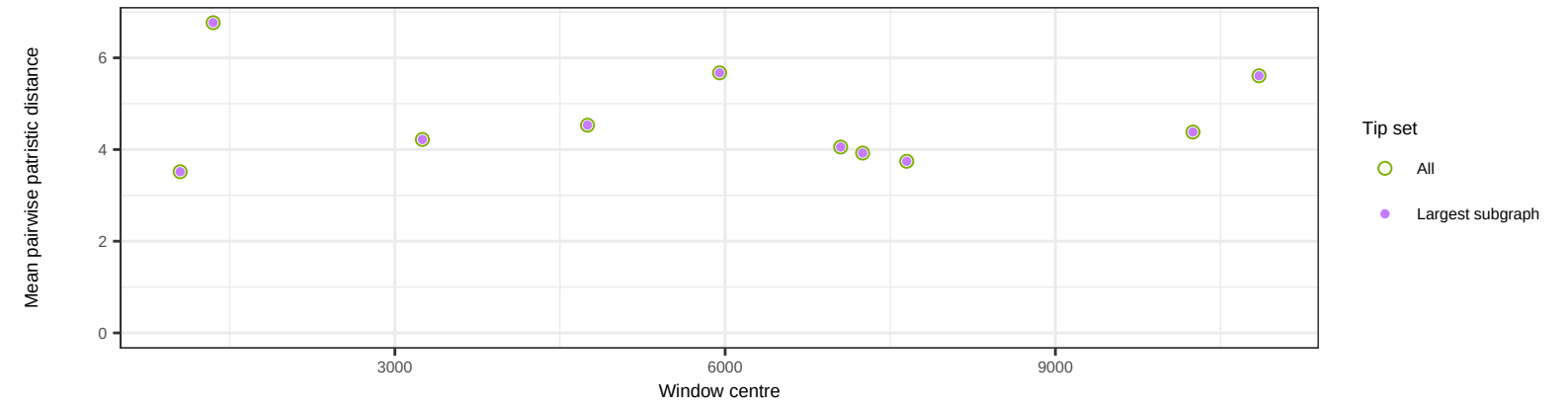

2.0
1.5
1.0
0.5
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

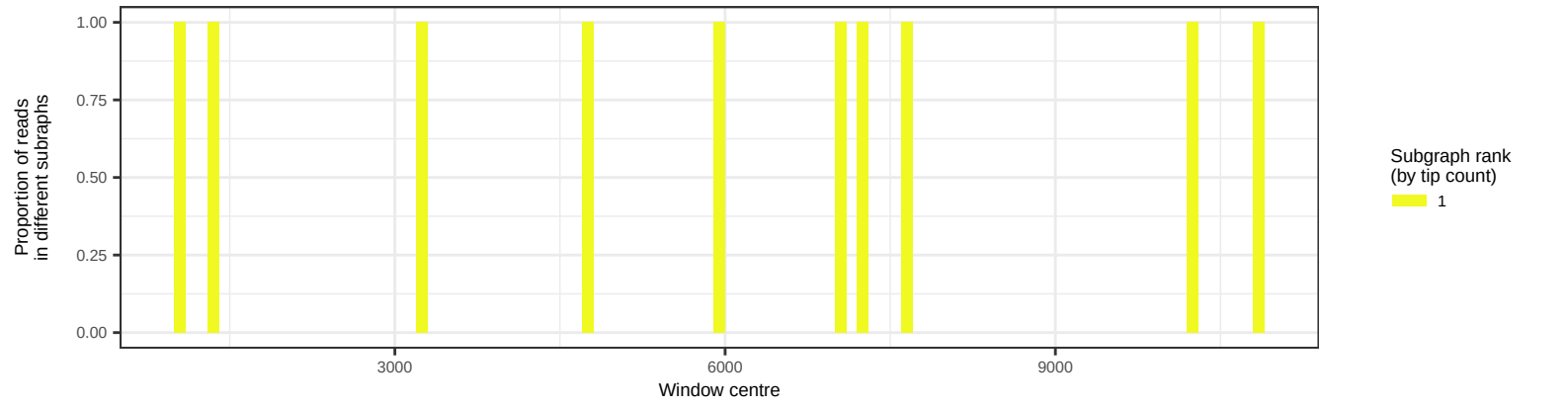

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

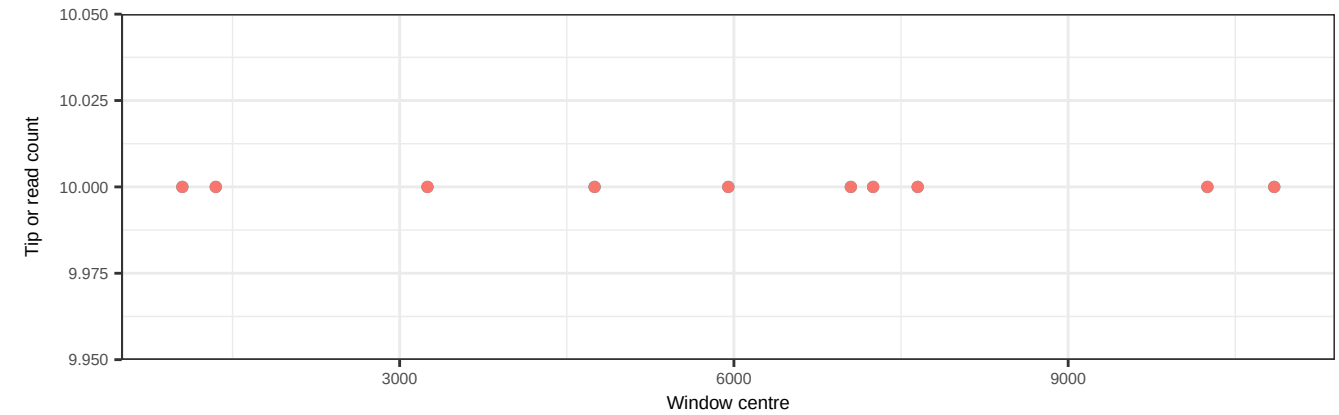

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

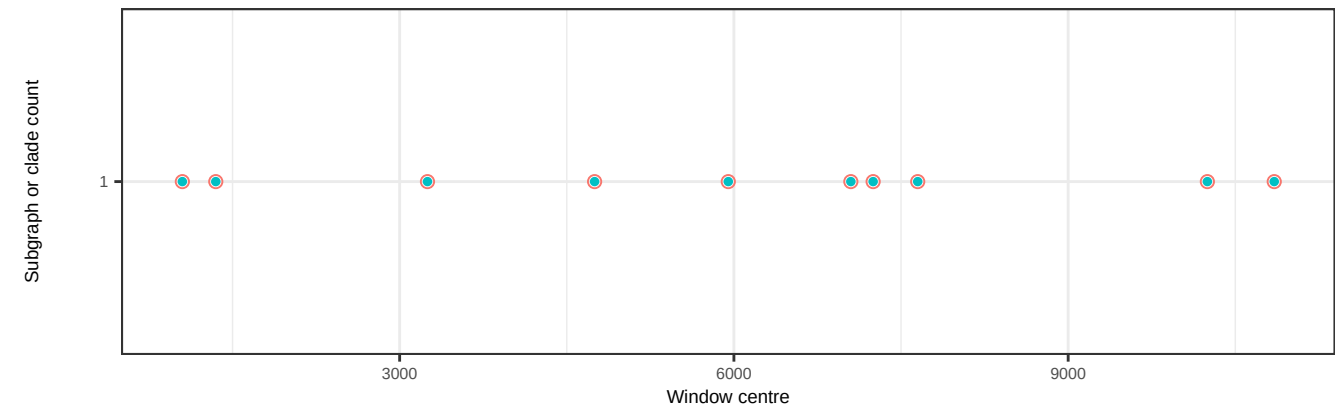

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

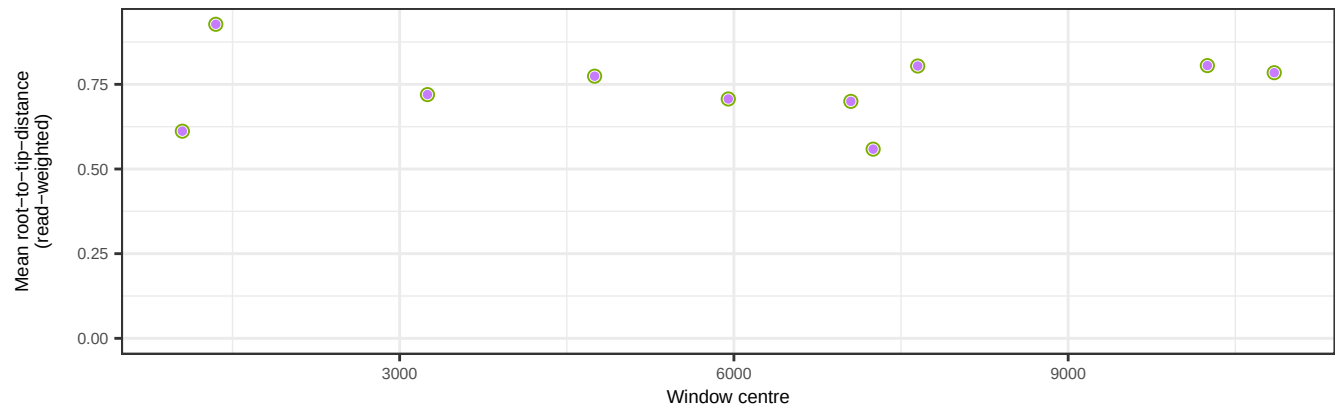

4
3
2
1
0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

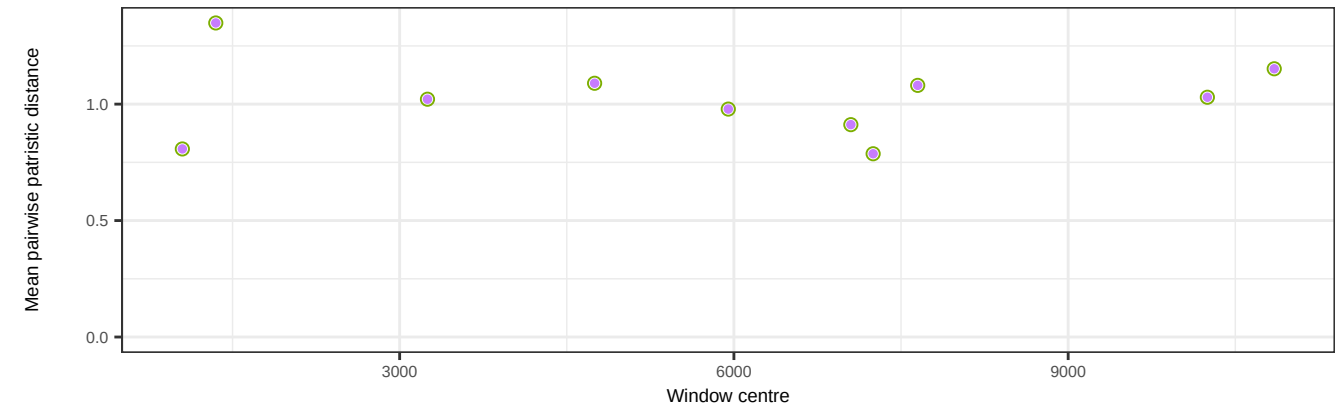

6
4
2
0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

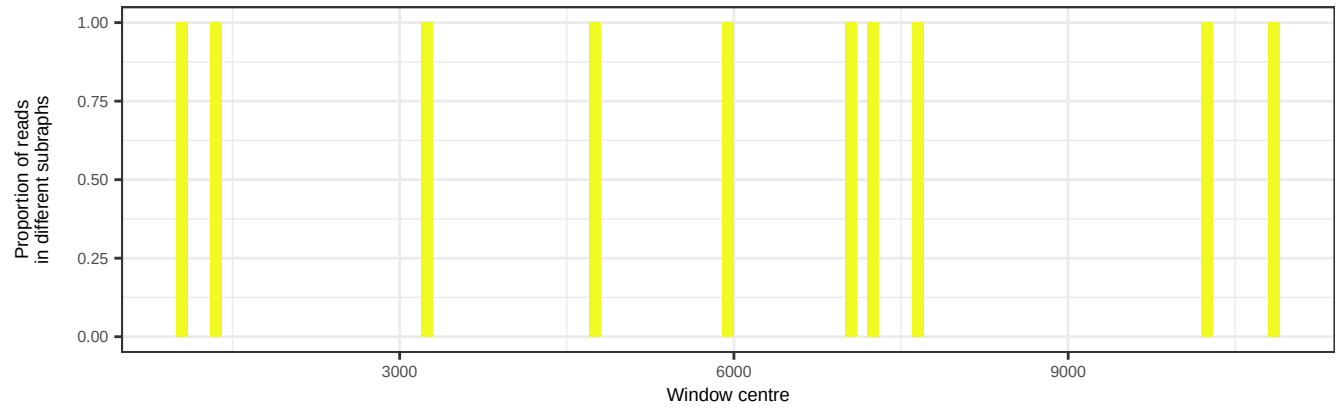

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

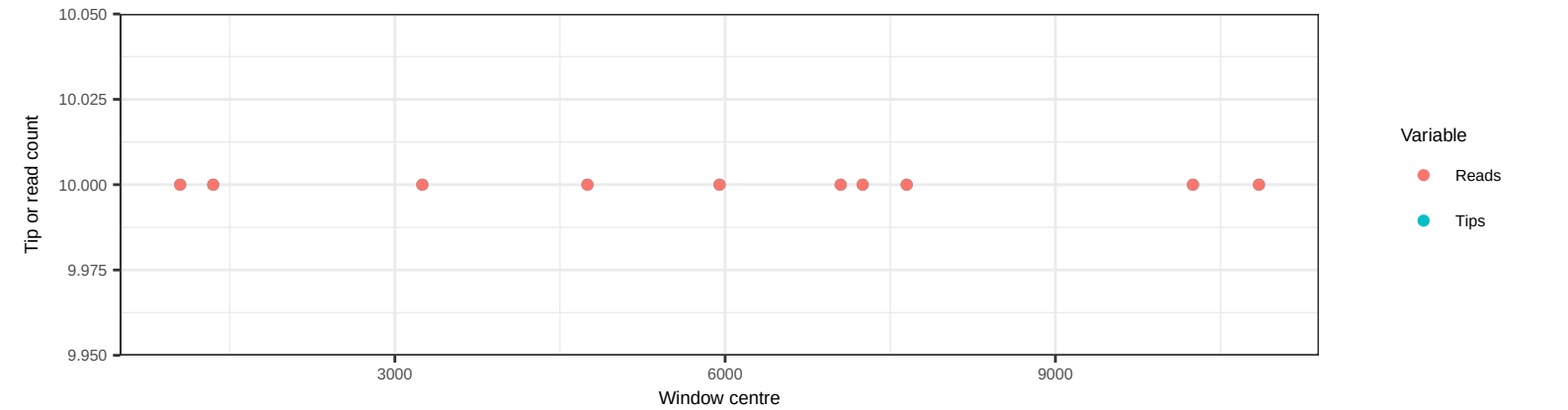

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

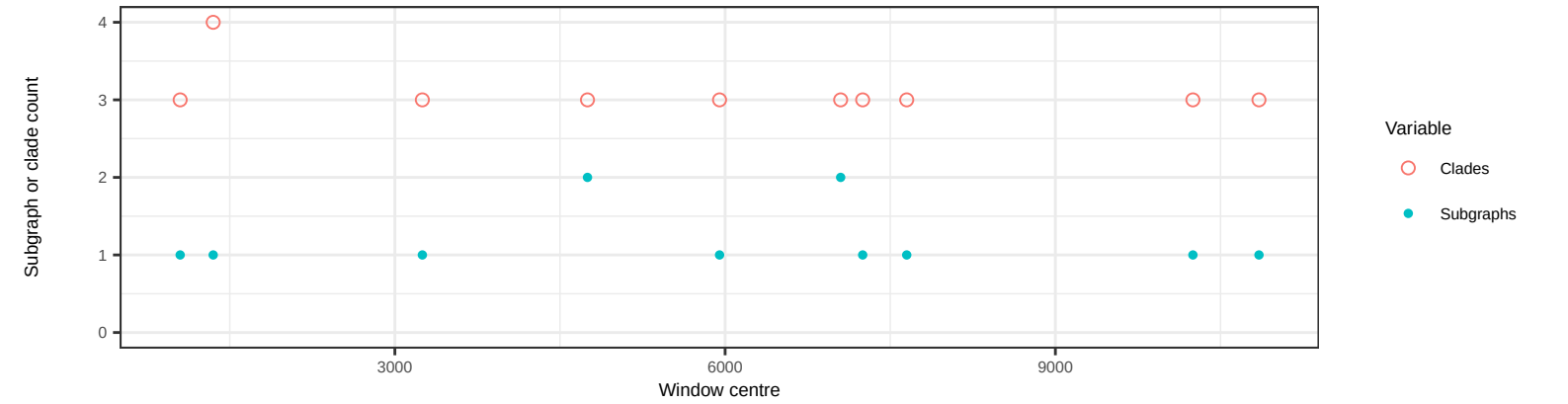

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

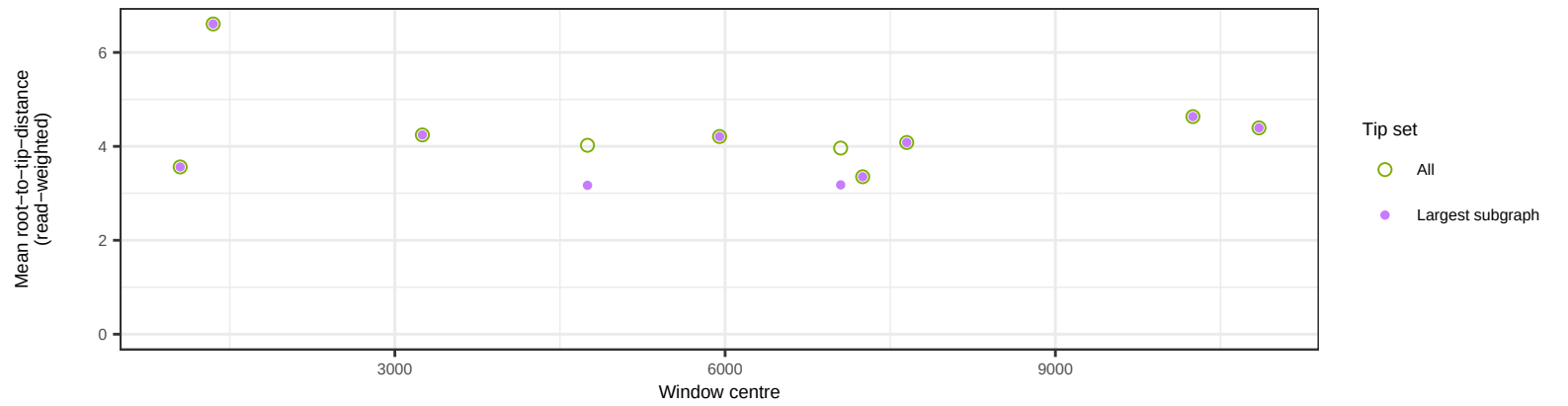

Mean root−to−tip−distance
(read−weighted)
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

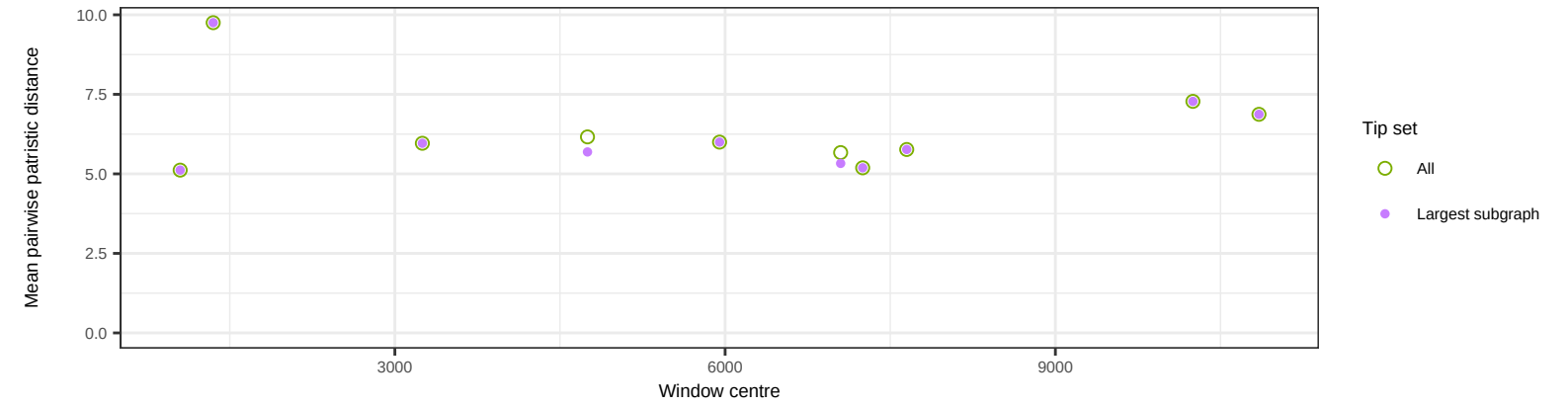

Mean pairwise patristic distance
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

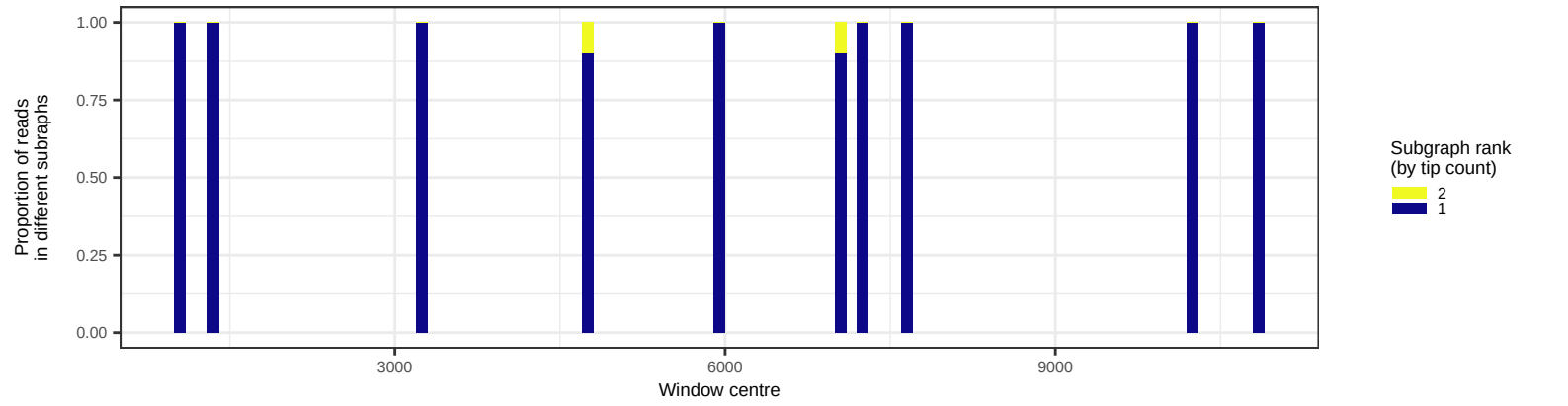

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

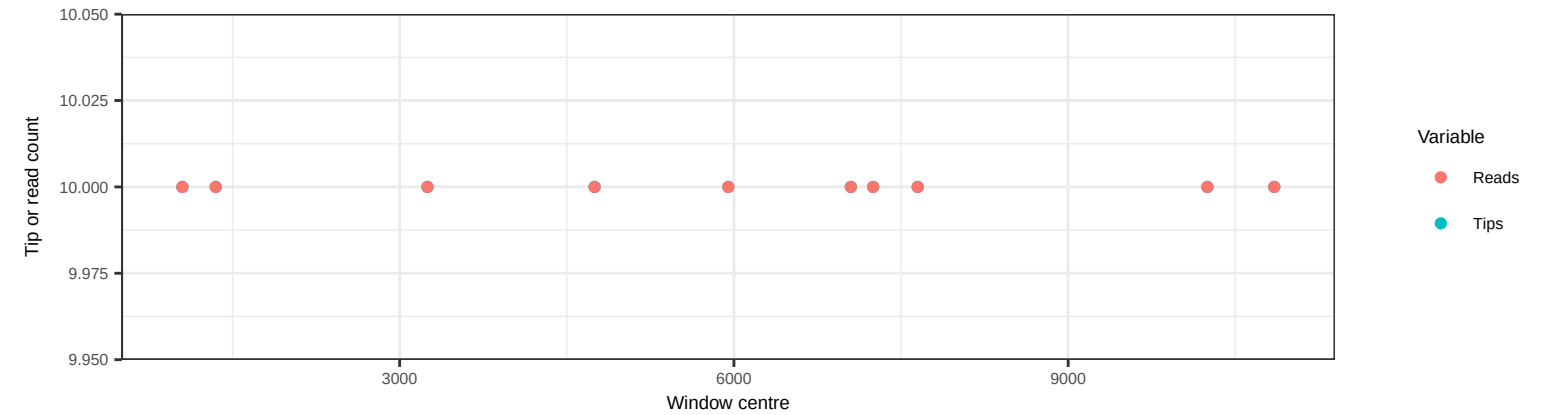

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

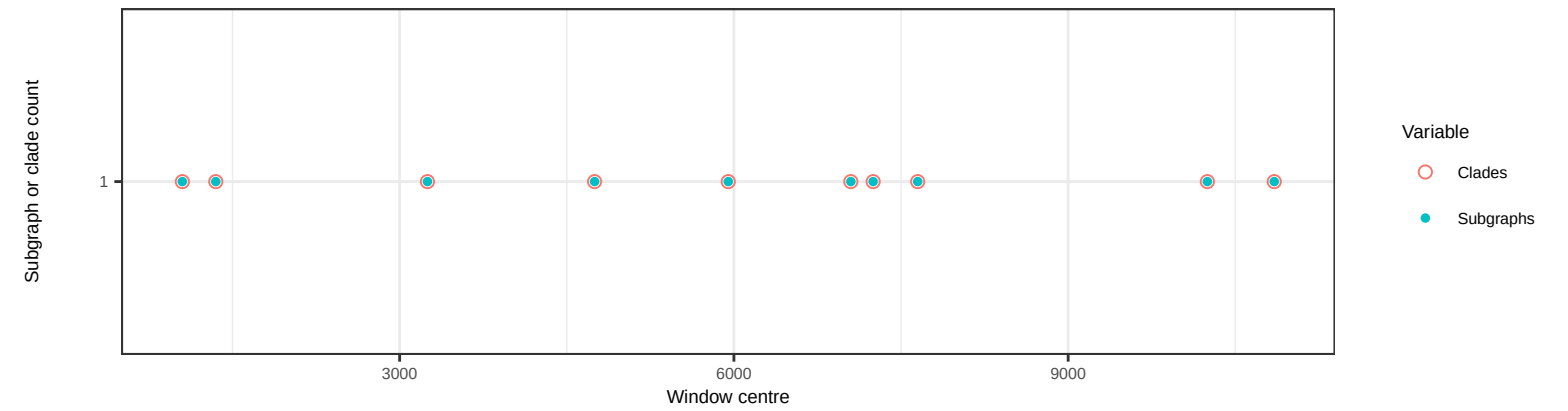

Subgraph or clade count
4
3
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

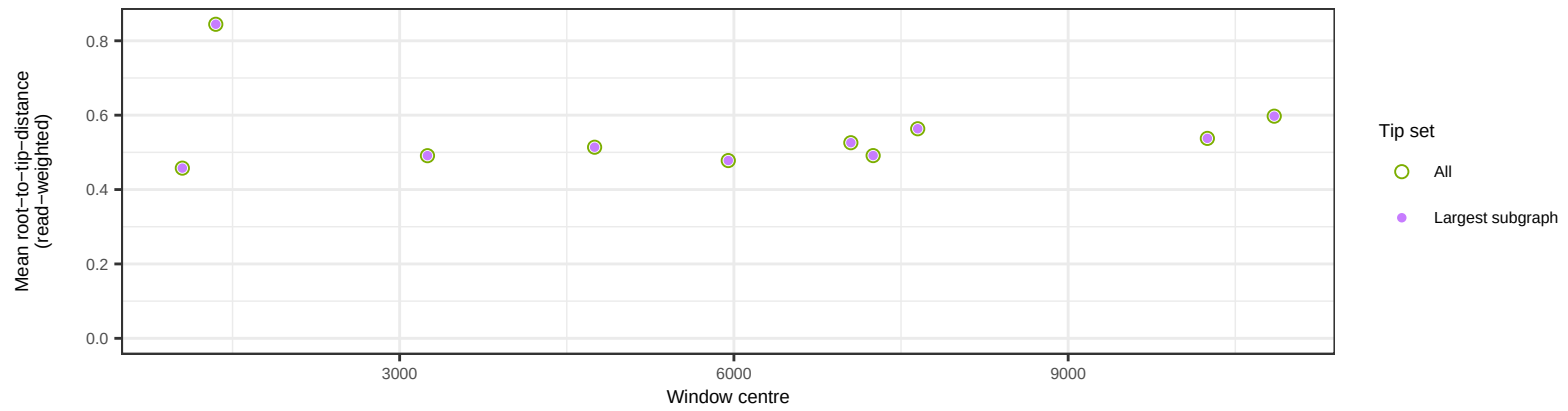

Mean root−to−tip−distance
(read−weighted)
6
4
2
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

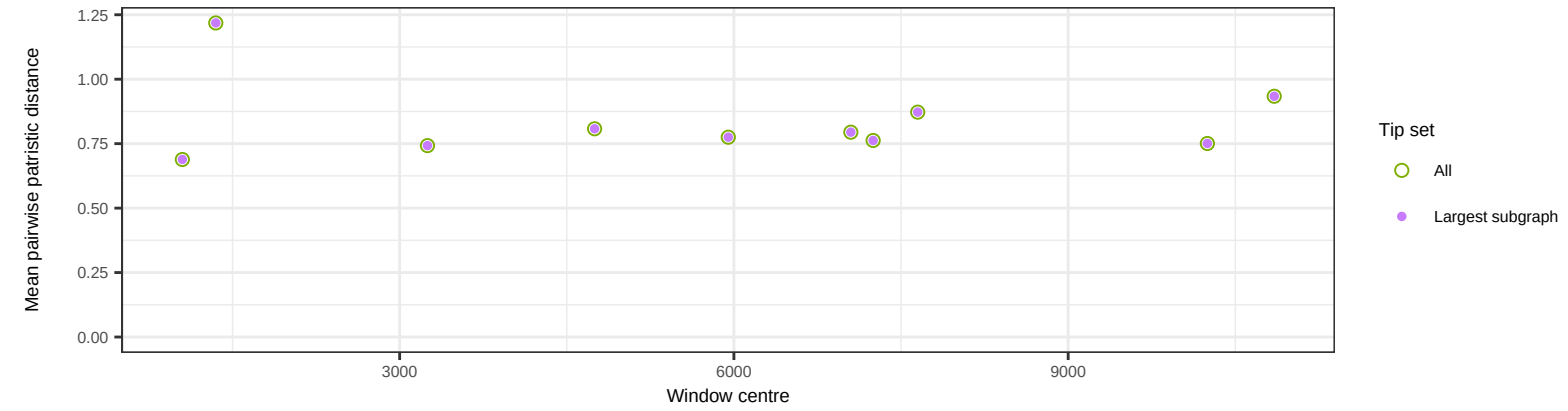

Mean pairwise patristic distance
10.0
7.5
5.0
2.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

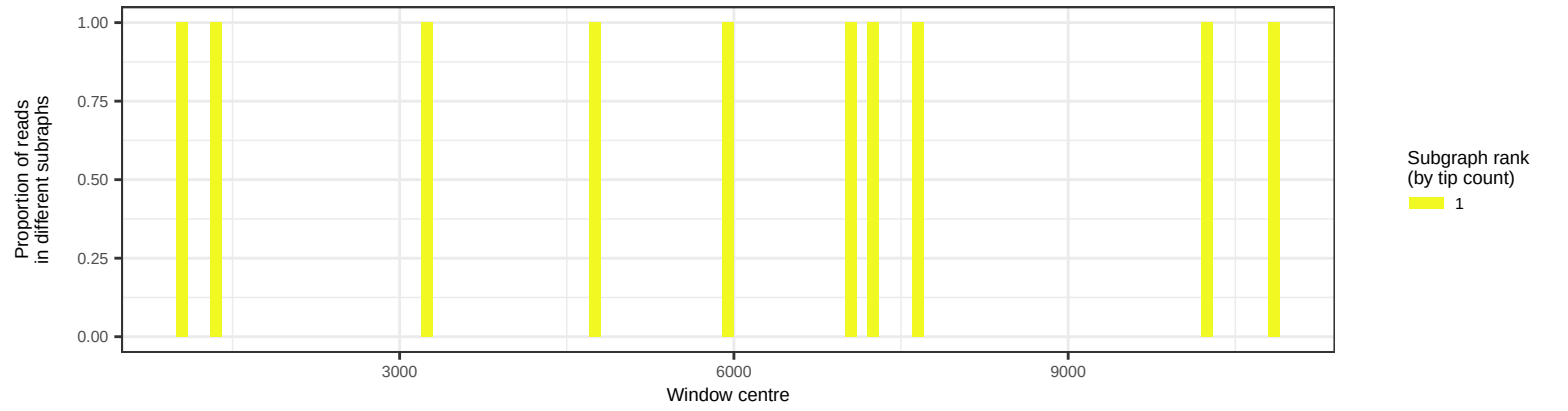

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
2
1

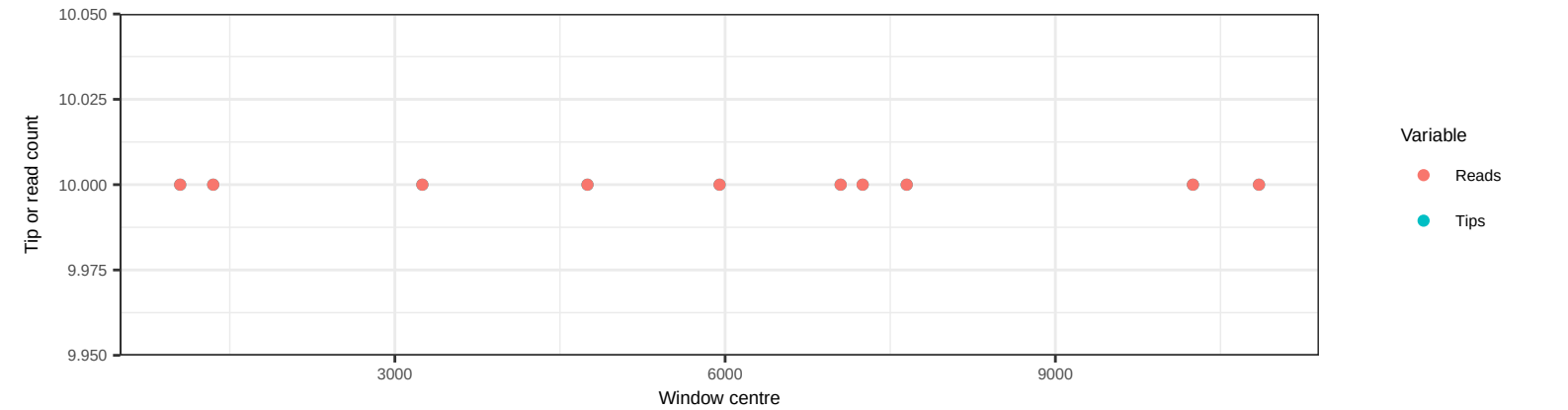

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

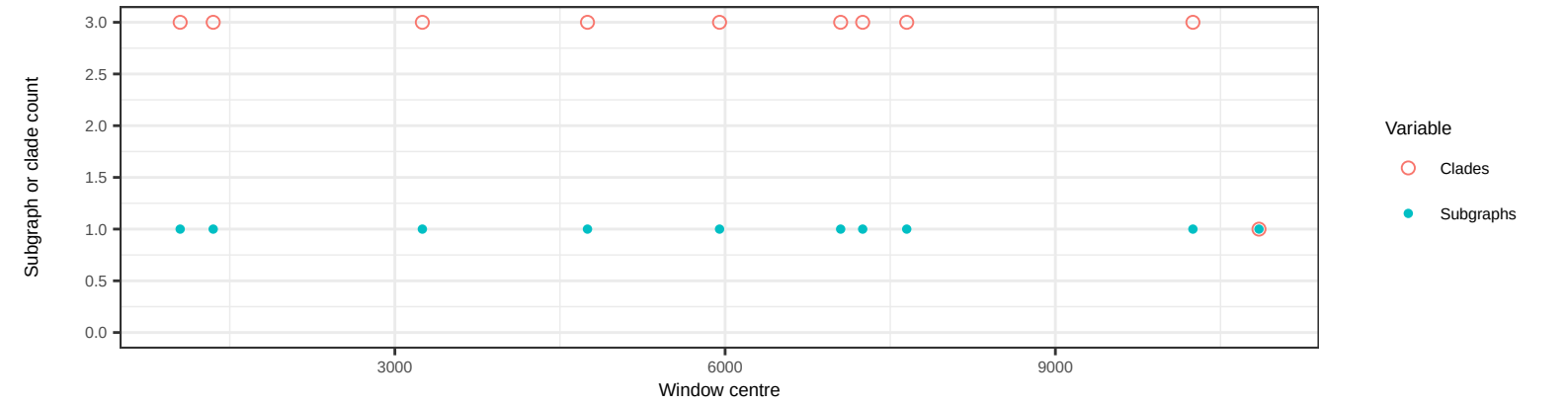

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

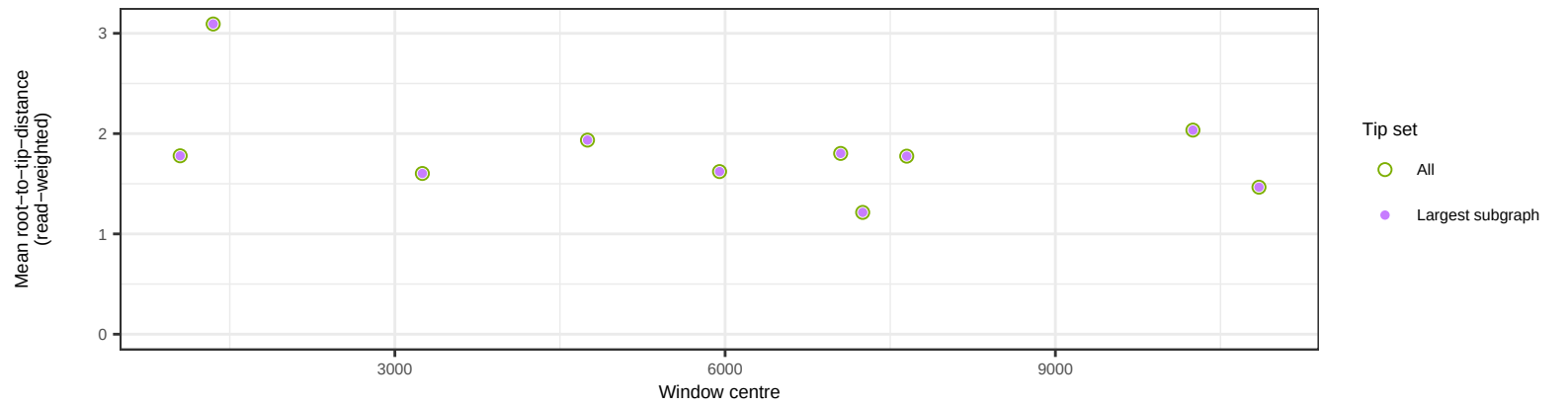

0.8
0.6
0.4
0.2
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

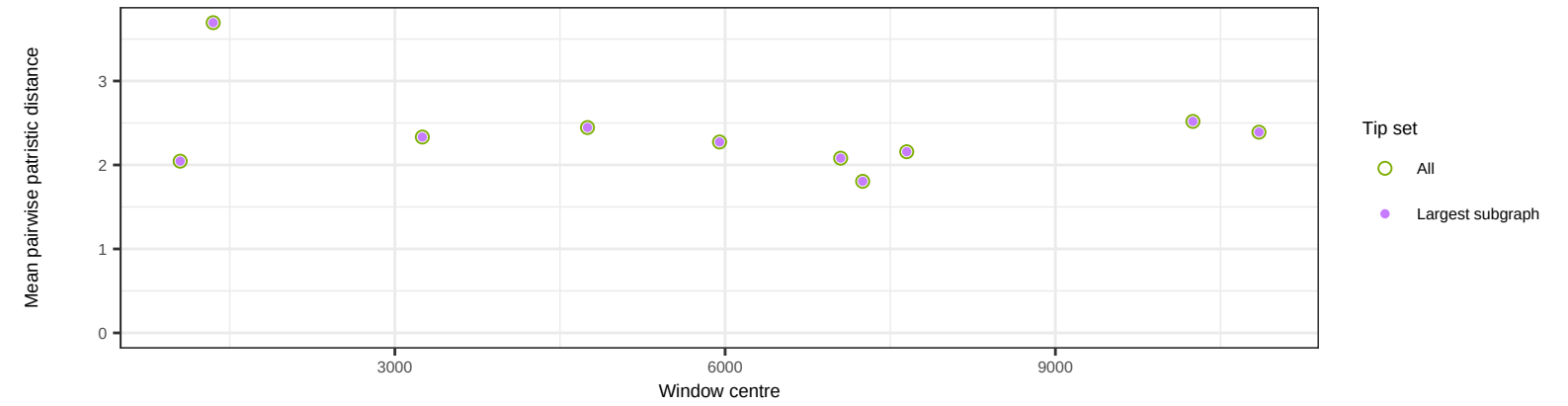

1.25
1.00
0.75
0.50
0.25
0.00
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

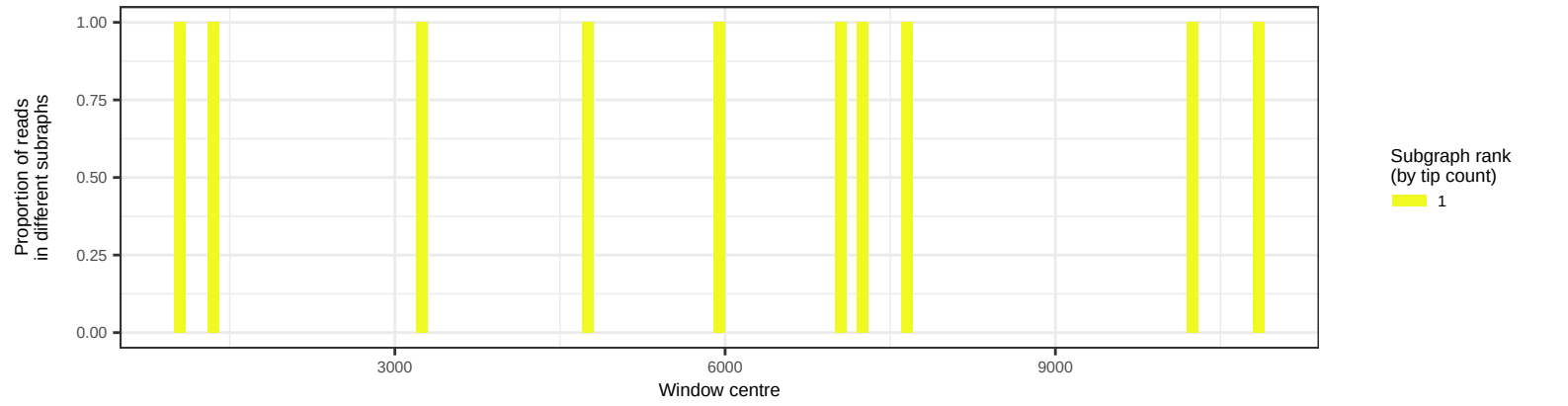

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

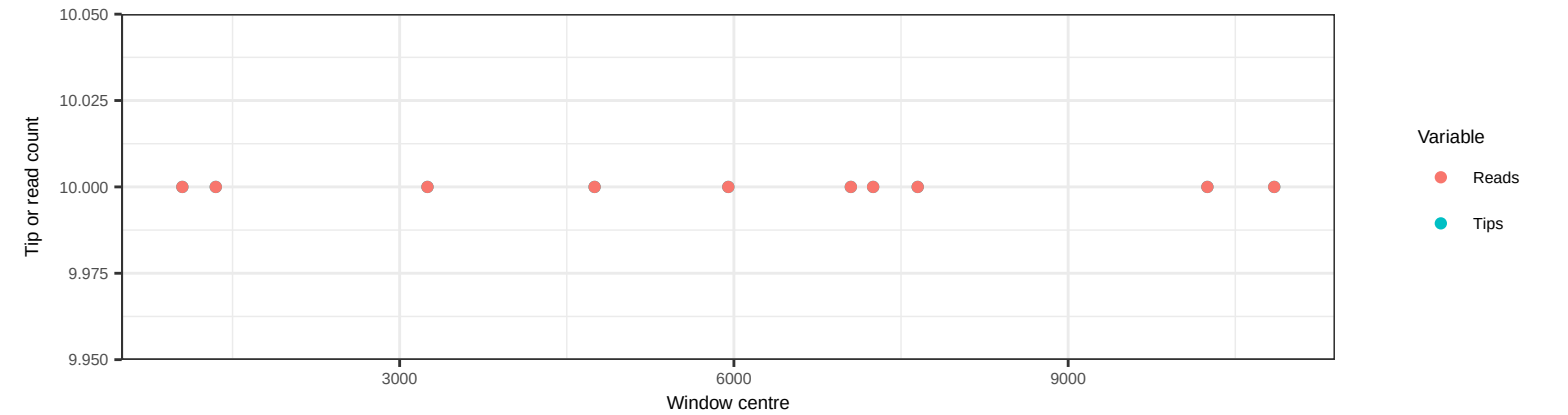

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

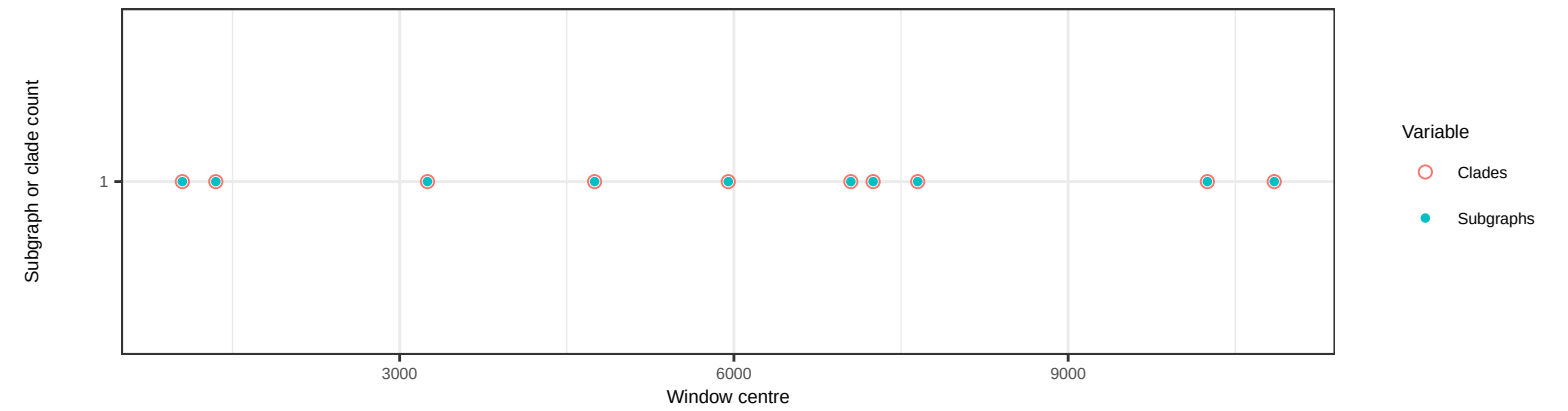

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

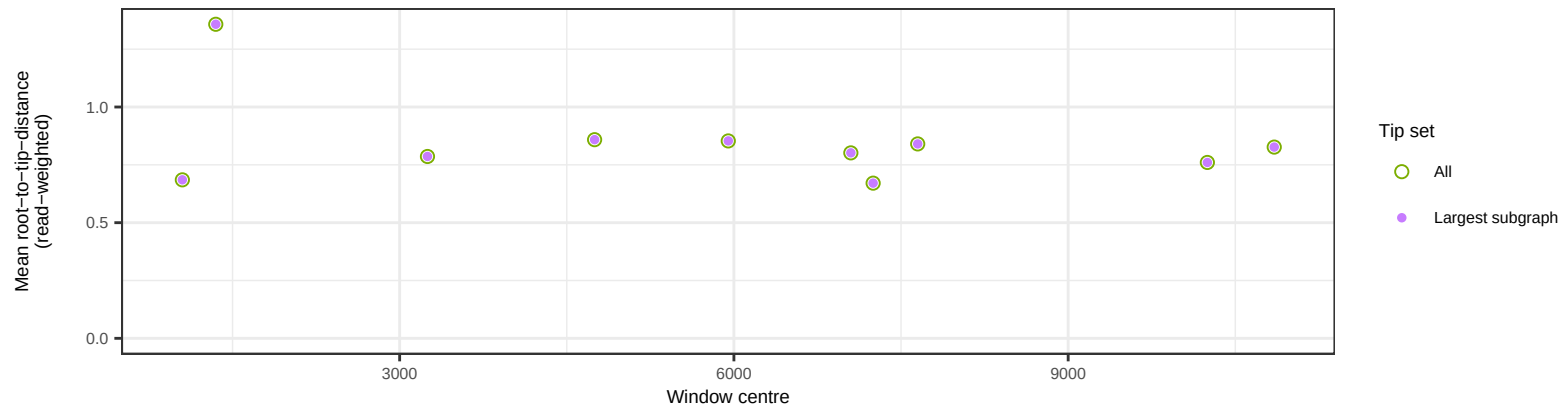

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

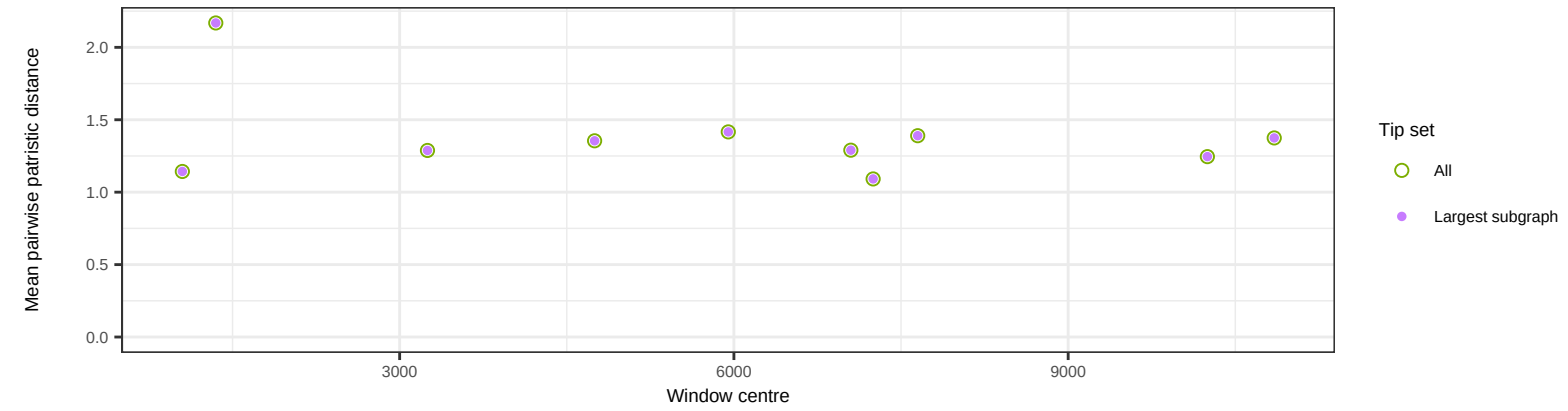

Mean pairwise patristic distance
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

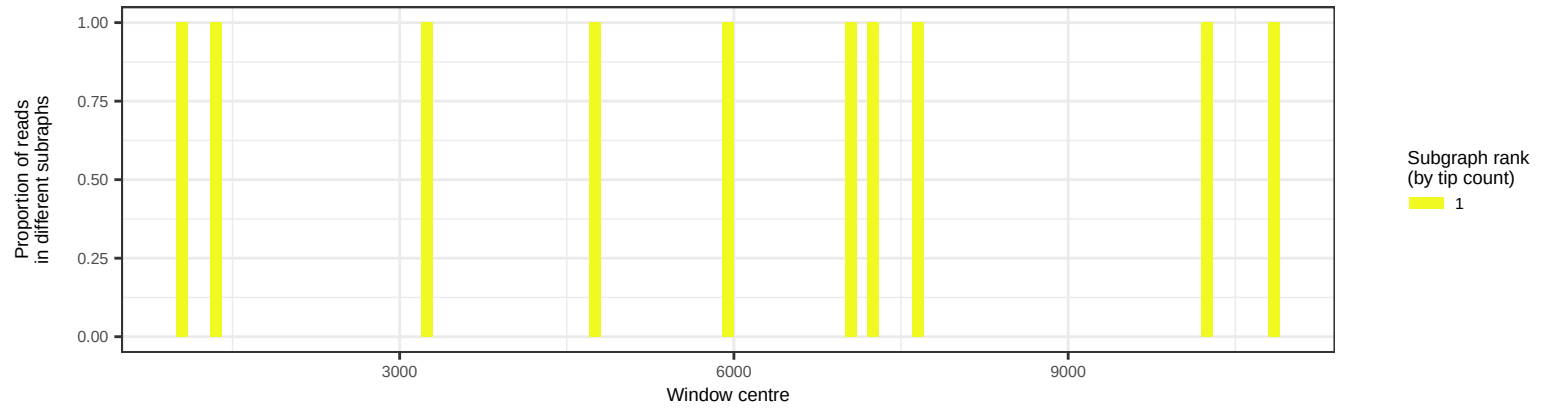

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

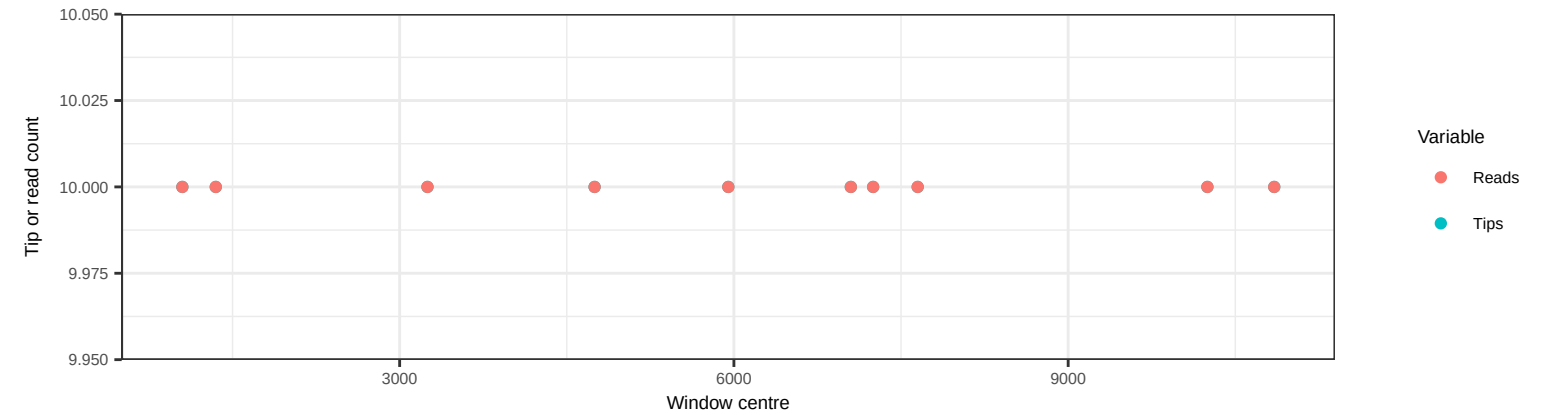

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

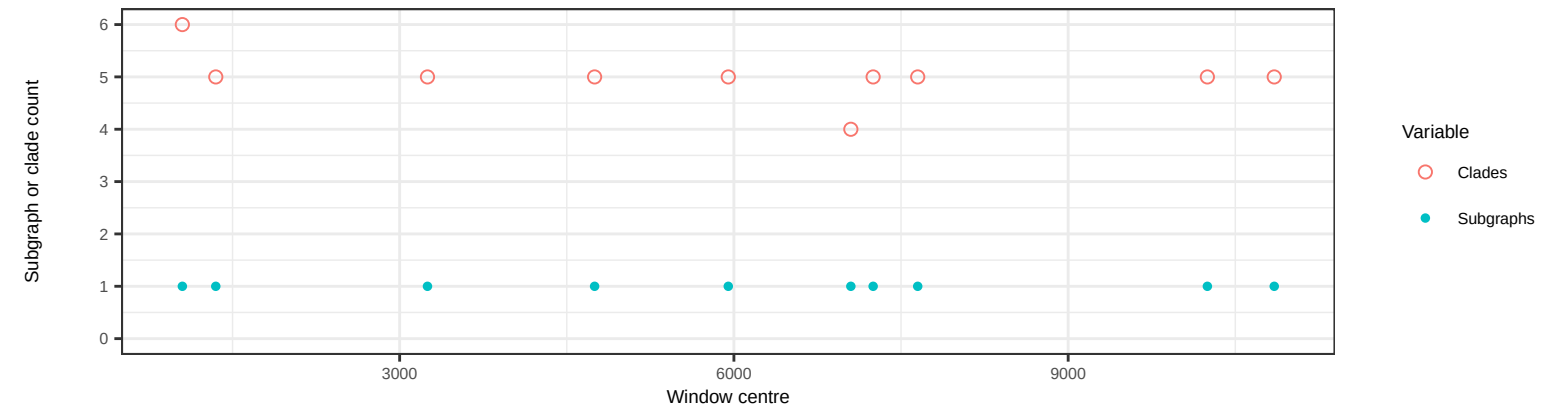

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

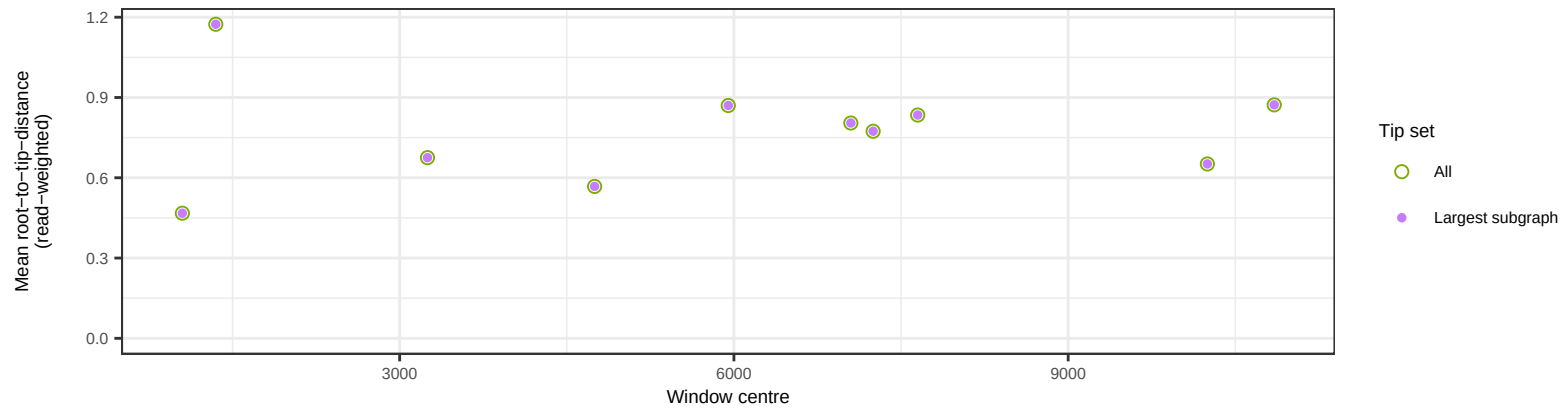

Mean root−to−tip−distance
(read−weighted)
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

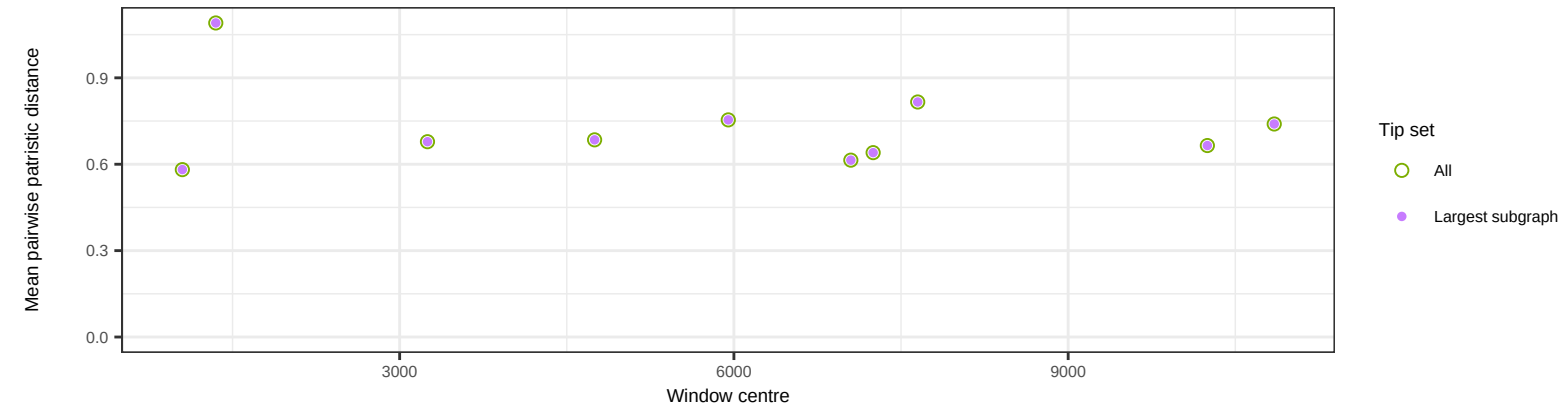

Mean pairwise patristic distance
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

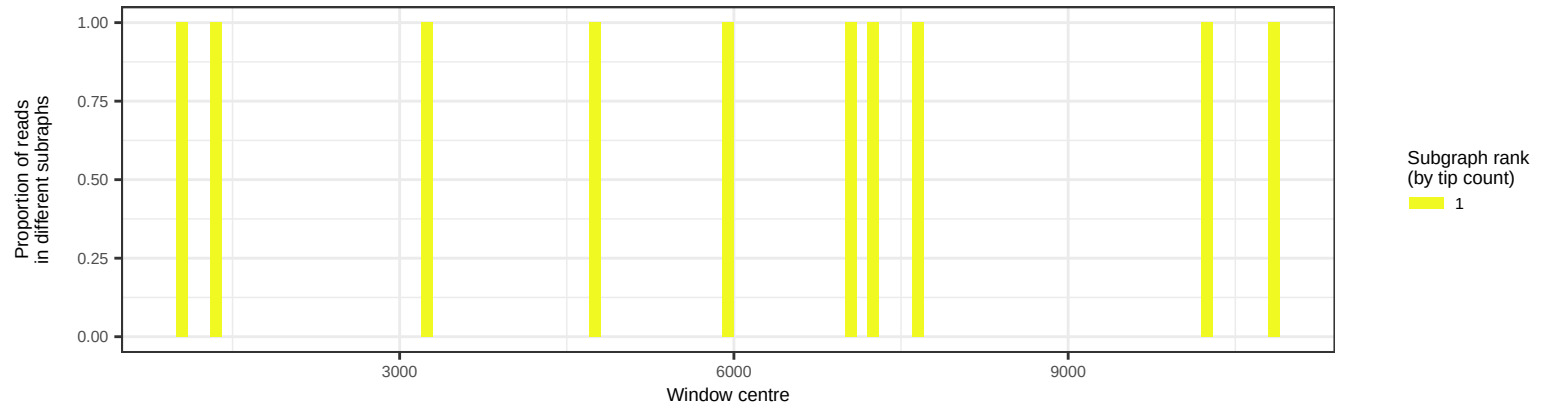

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

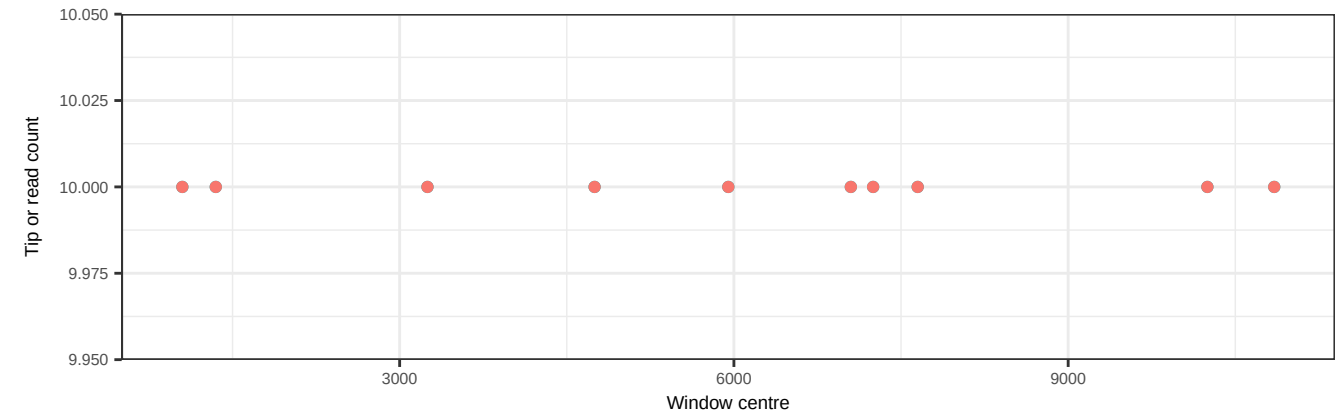

Subgraph or clade count
6
5
4
3
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

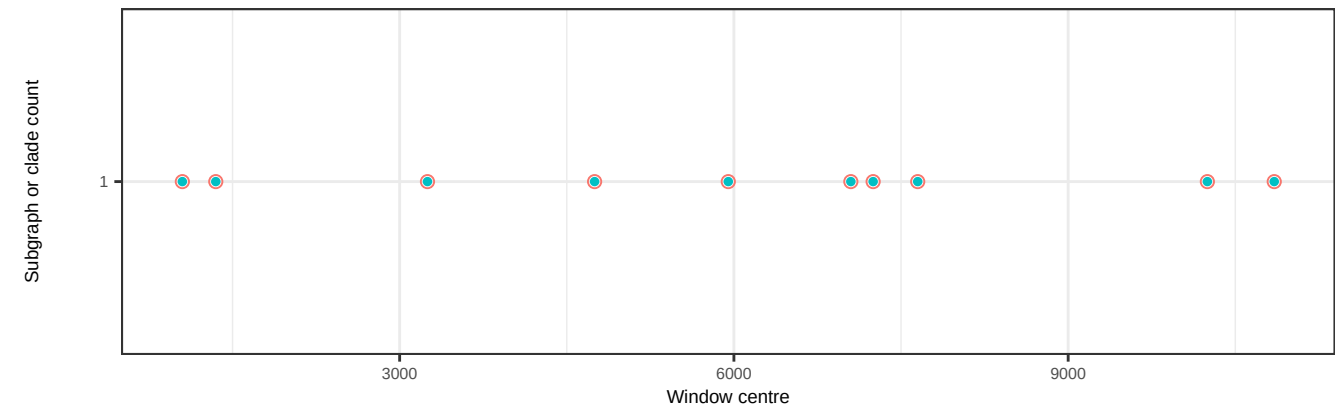

Mean root−to−tip−distance
(read−weighted)
1.2
0.9
0.6
0.3
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

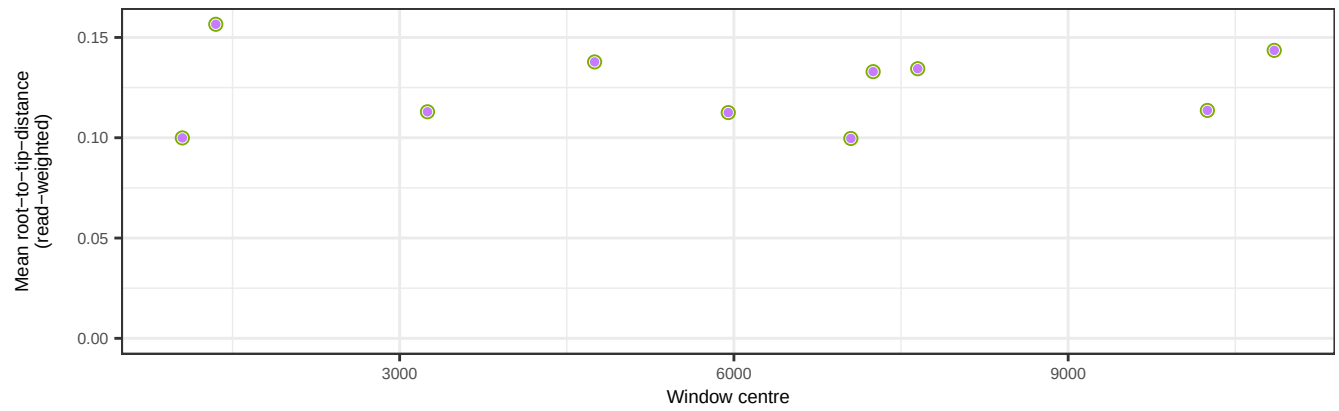

Mean pairwise patristic distance
0.9
0.6
0.3
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

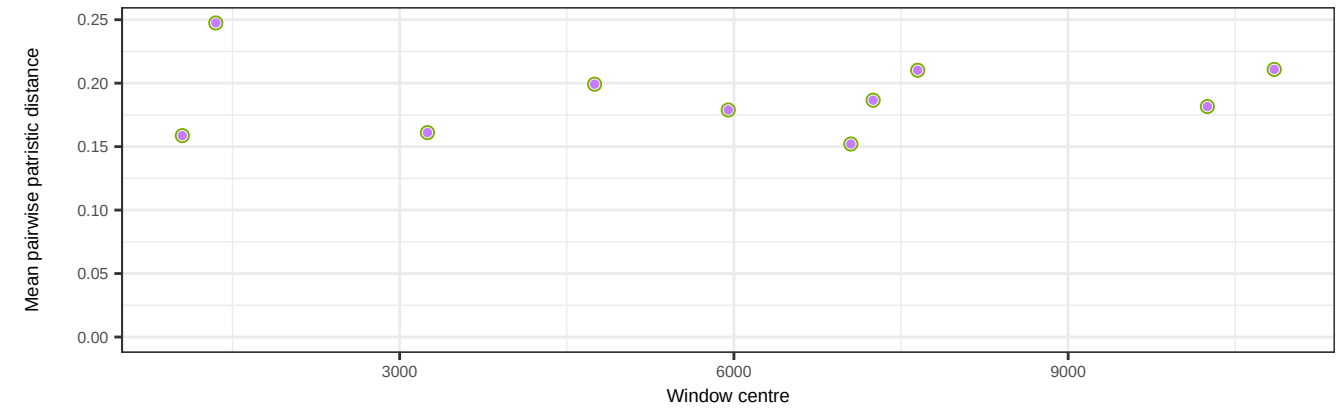

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

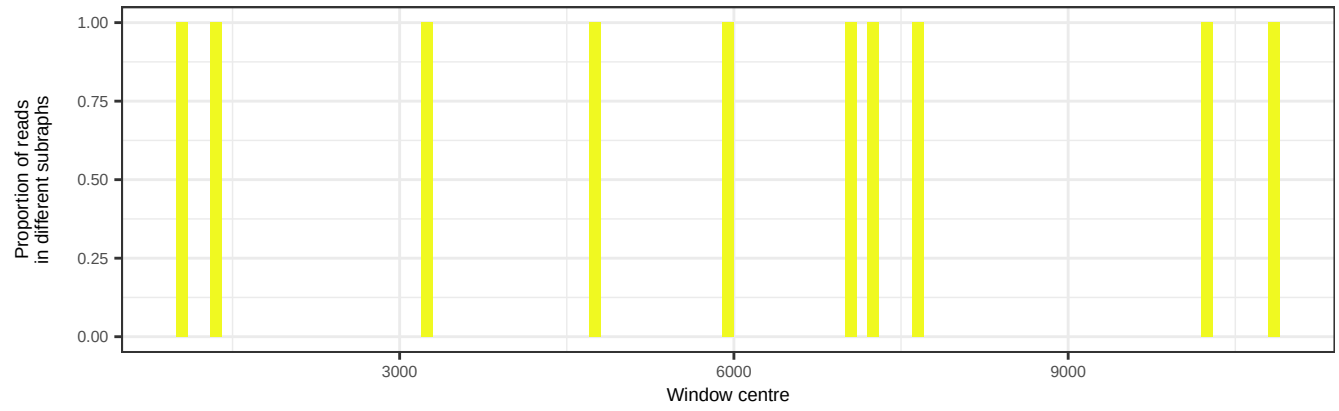
450

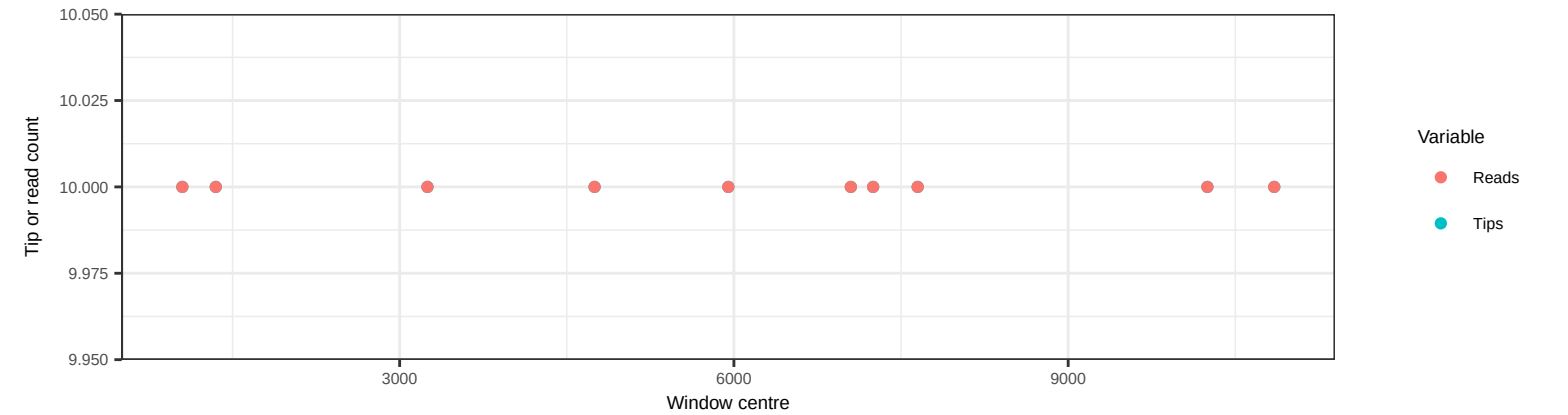

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

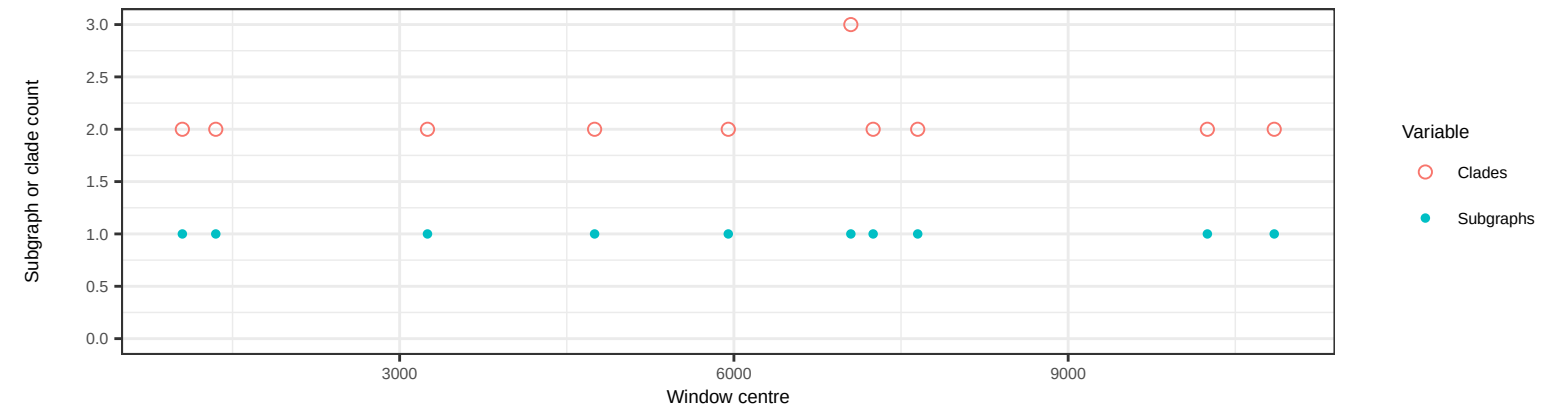

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

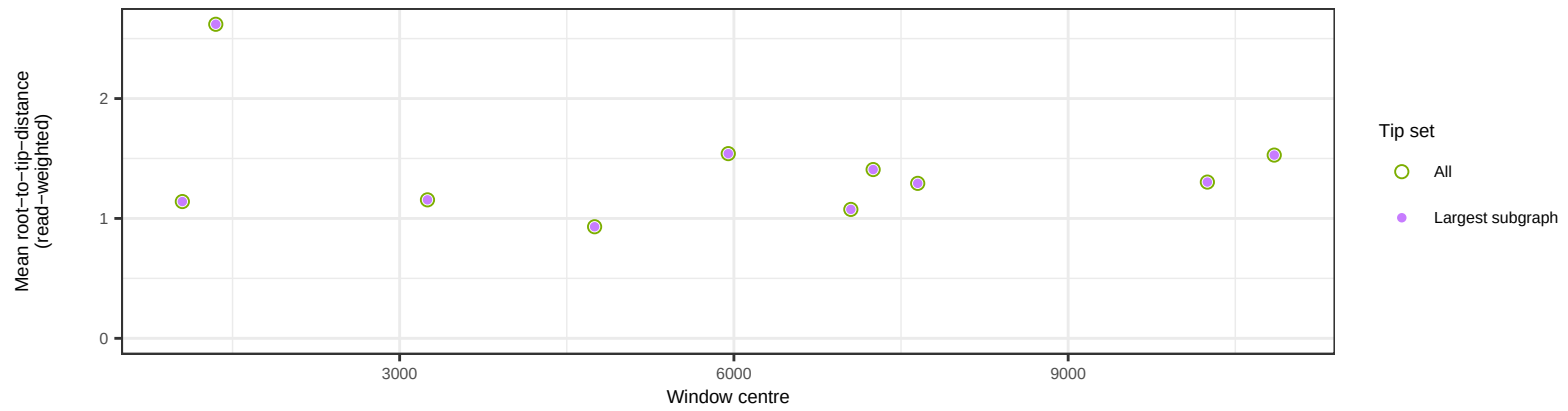

Mean root−to−tip−distance
(read−weighted)
0.15
0.10
0.05
0.00
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

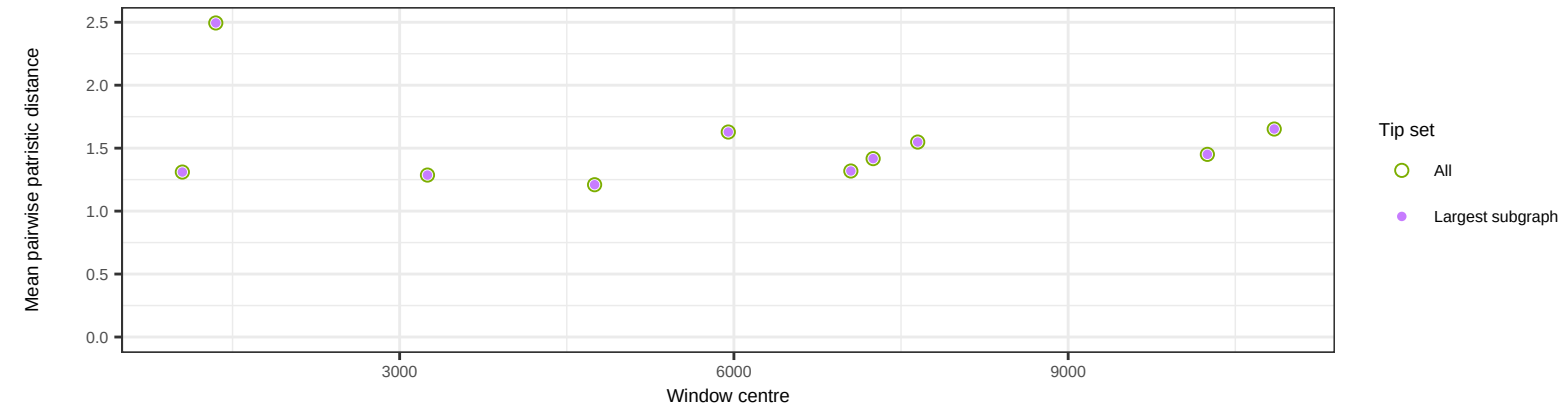

Mean pairwise patristic distance
0.25
0.20
0.15
0.10
0.05
0.00
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

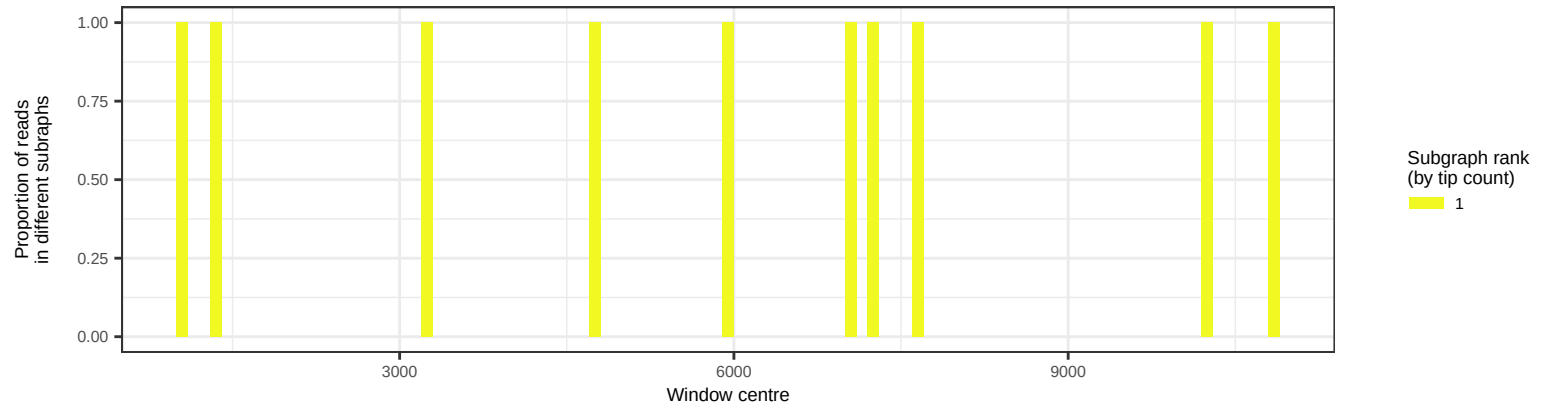

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

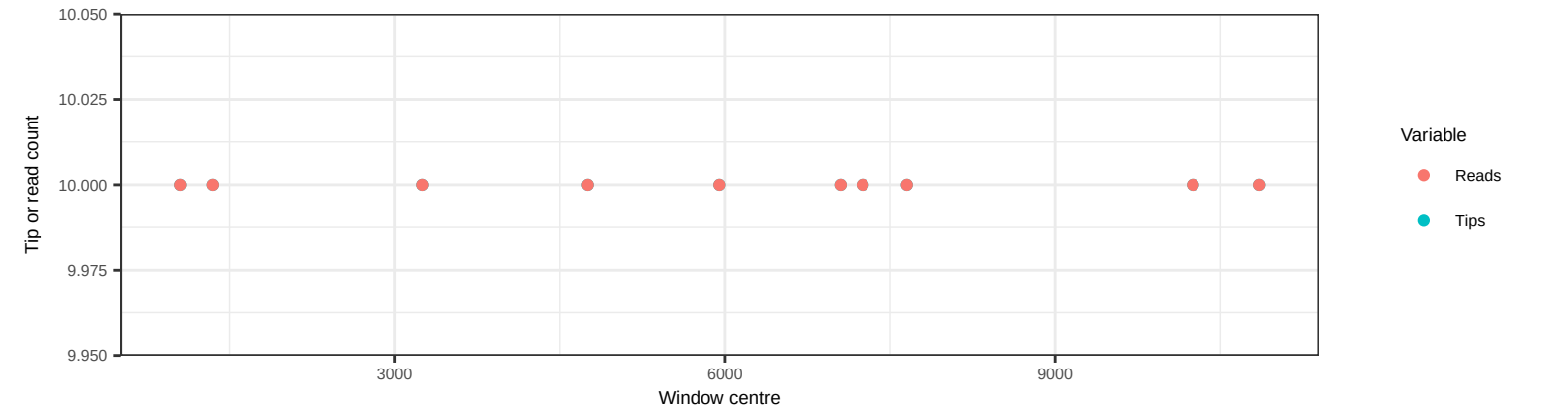

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

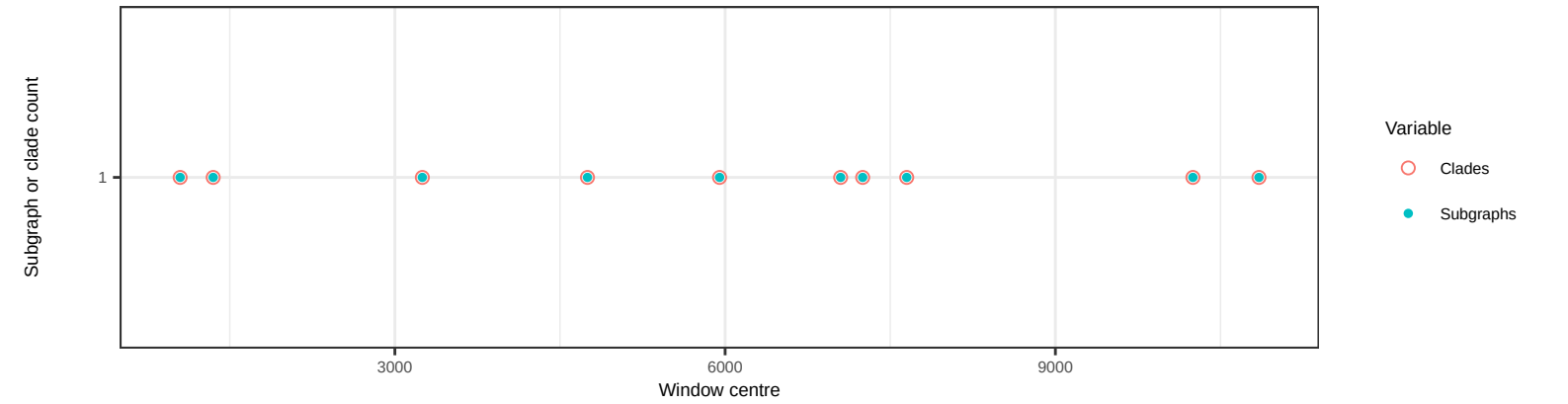

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

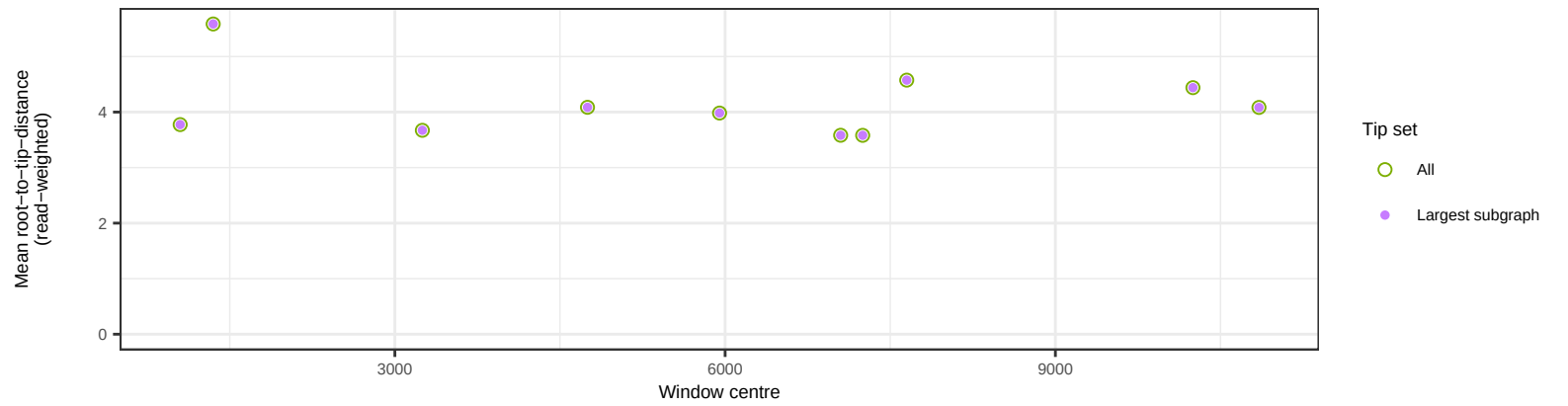

Mean root−to−tip−distance
(read−weighted)
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

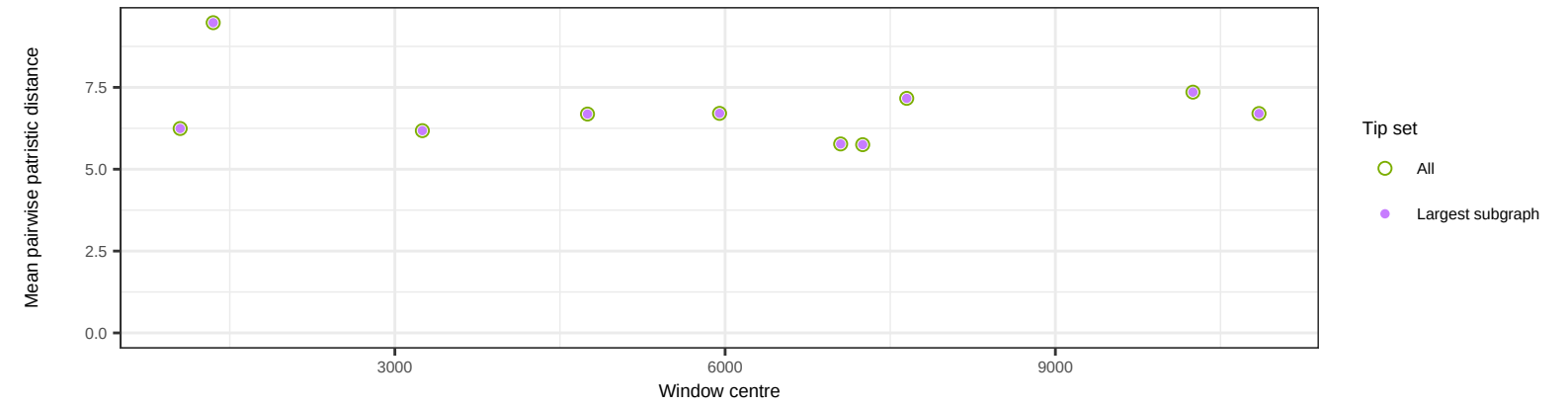

Mean pairwise patristic distance
2.5
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

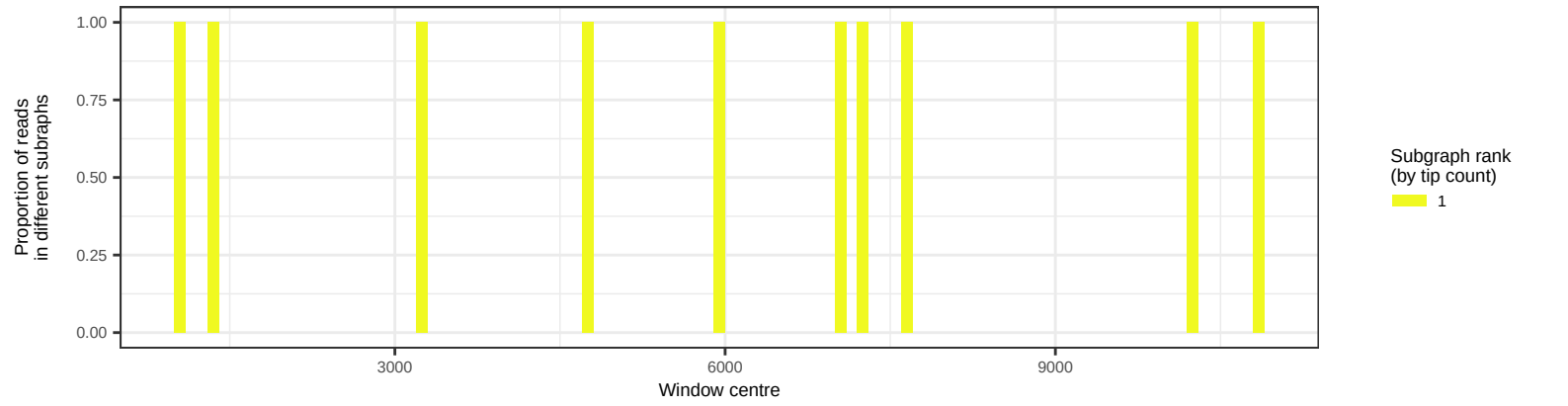

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

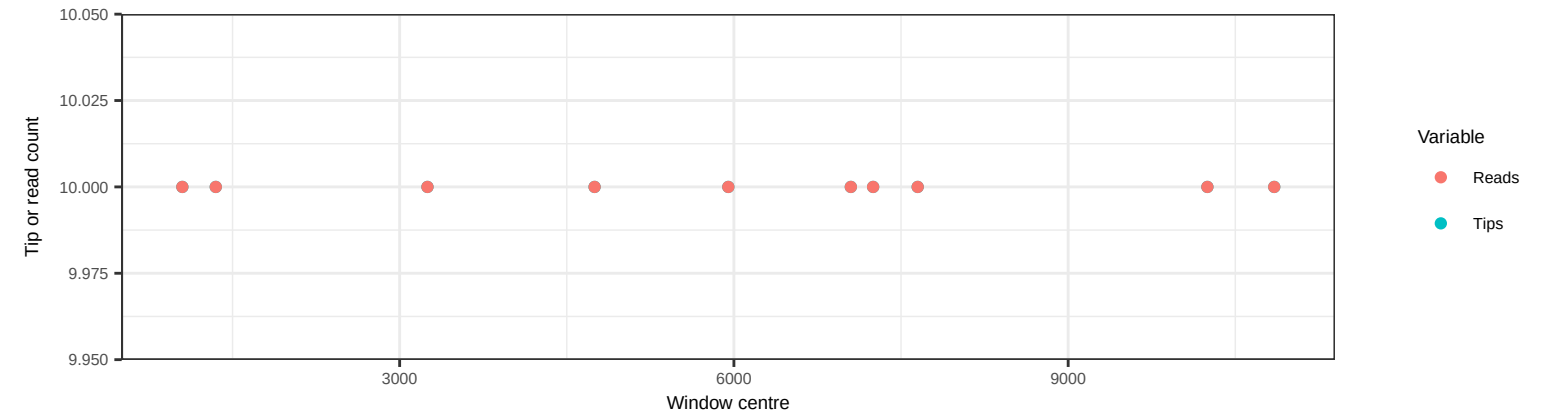

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

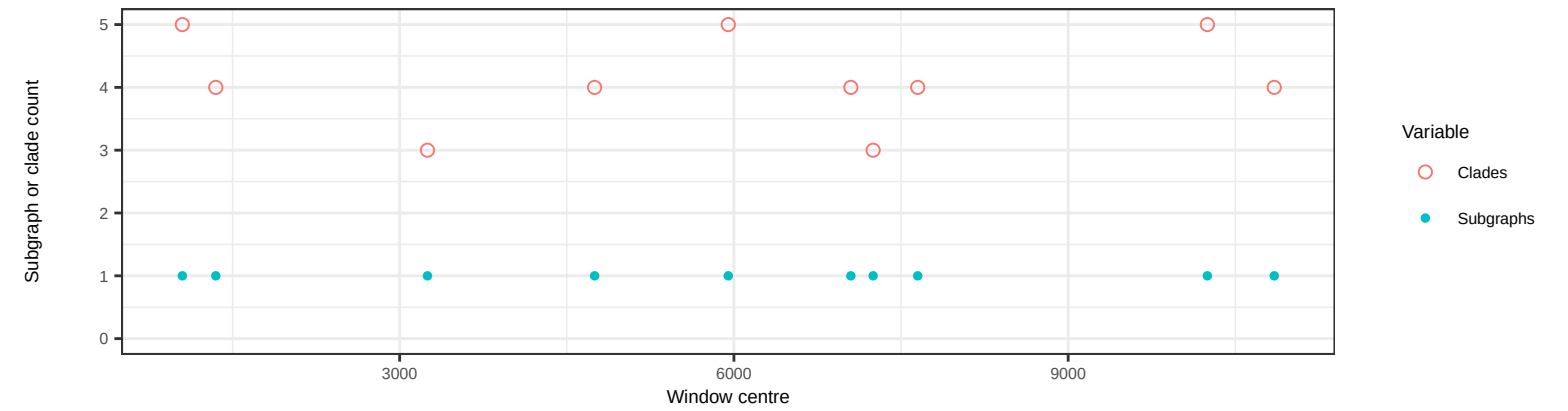

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

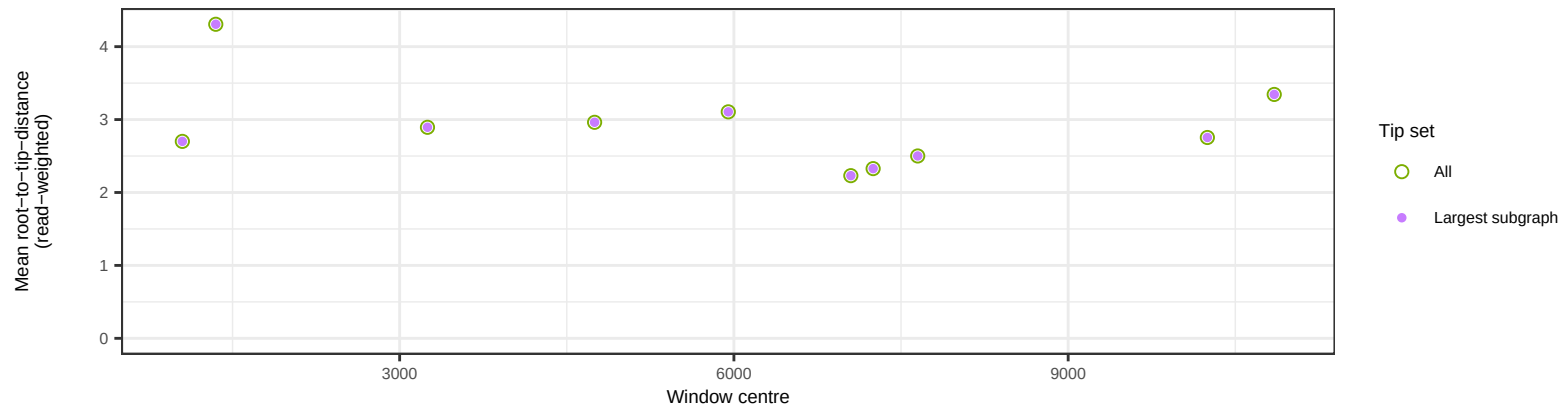

4
2
0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

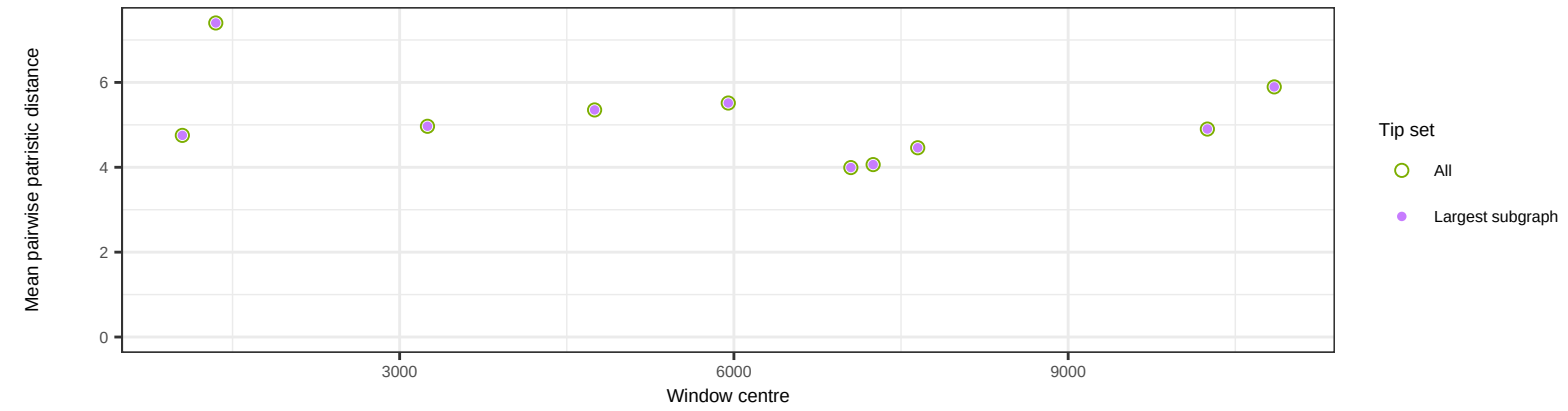

7.5
5.0
2.5
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

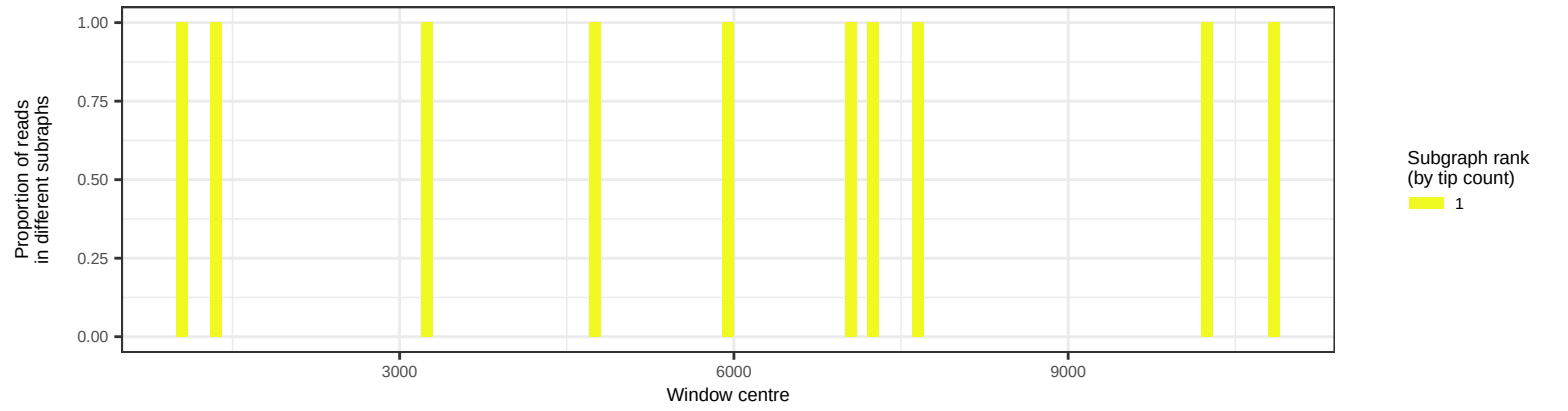

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

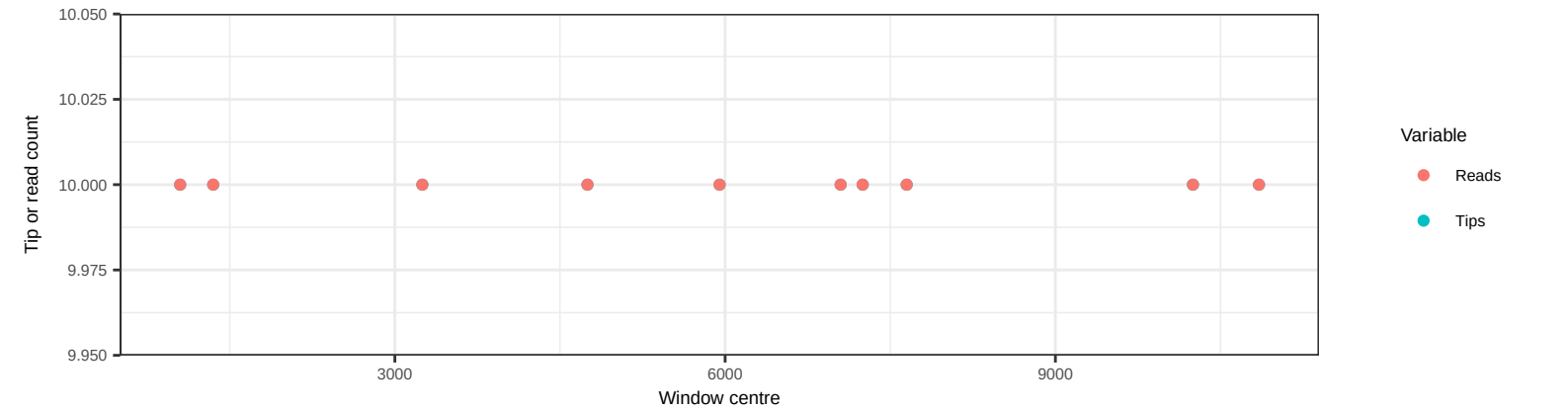

Subgraph or clade count
5
4
3
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

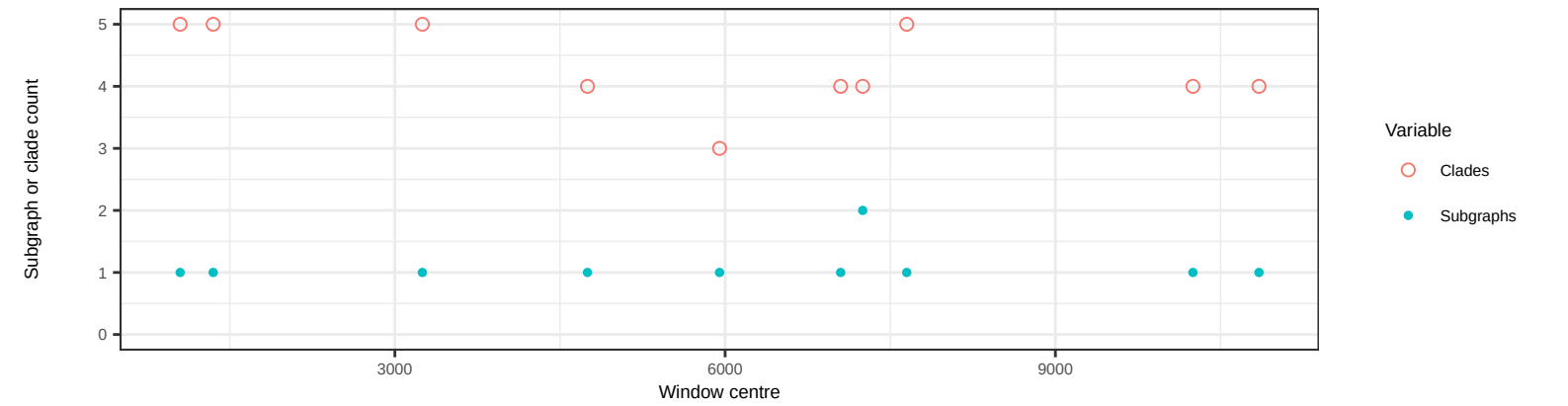

Mean root−to−tip−distance
(read−weighted)
4
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

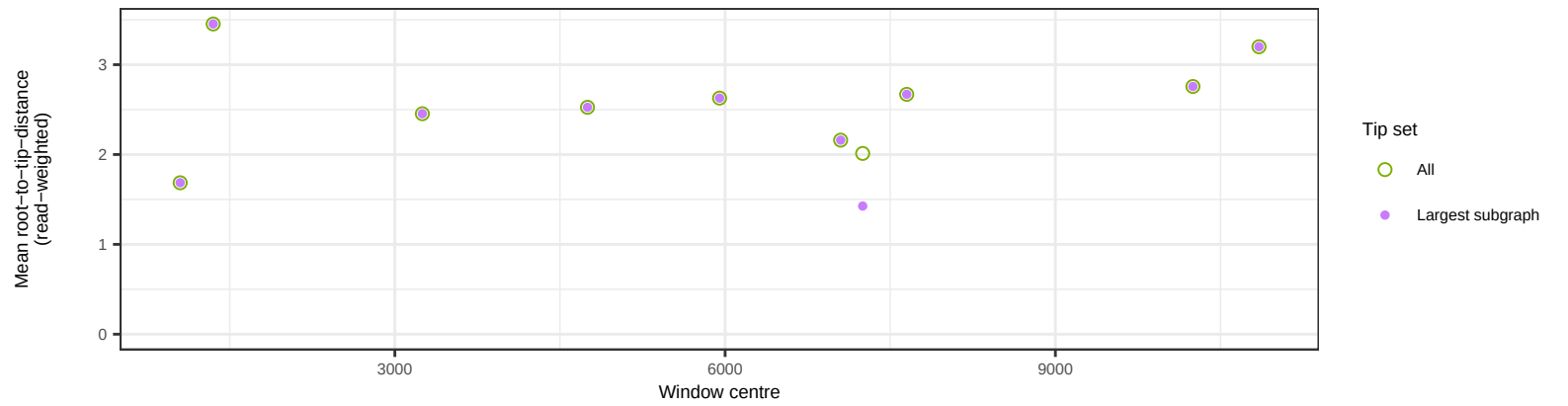

Mean pairwise patristic distance
6
4
2
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

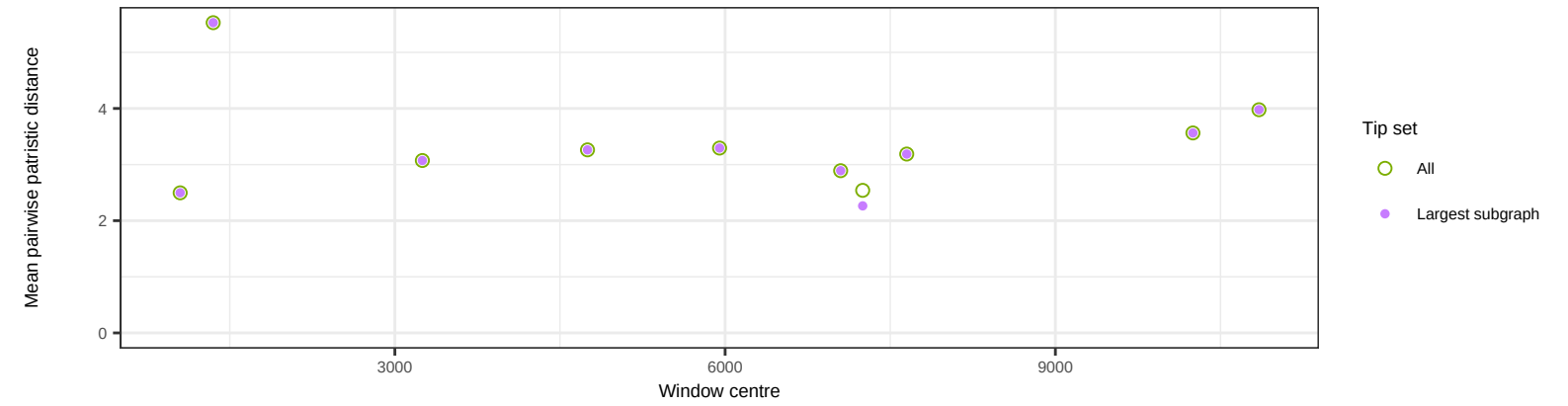

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

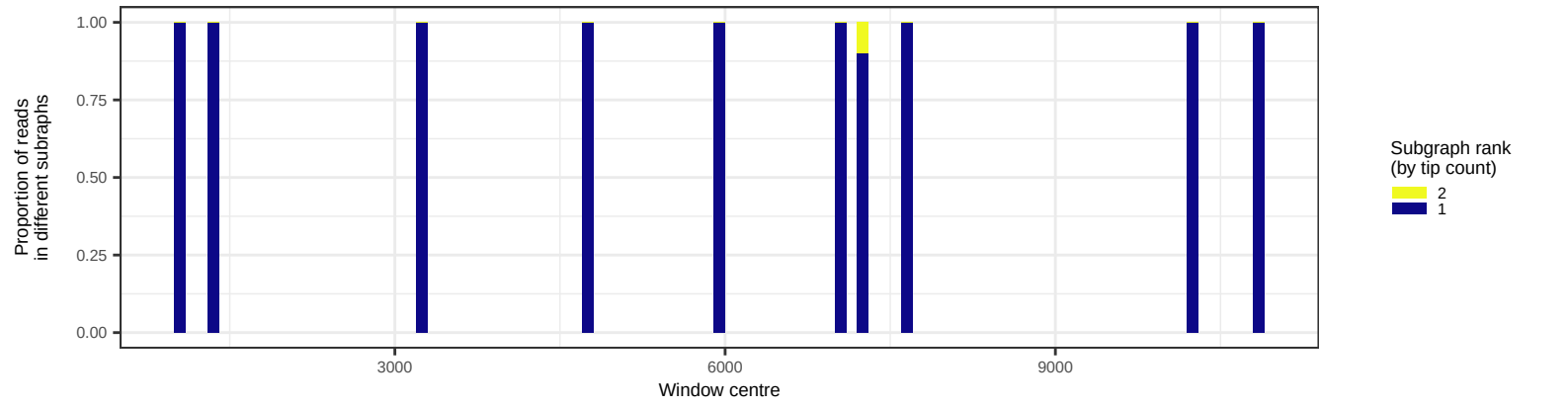
507


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

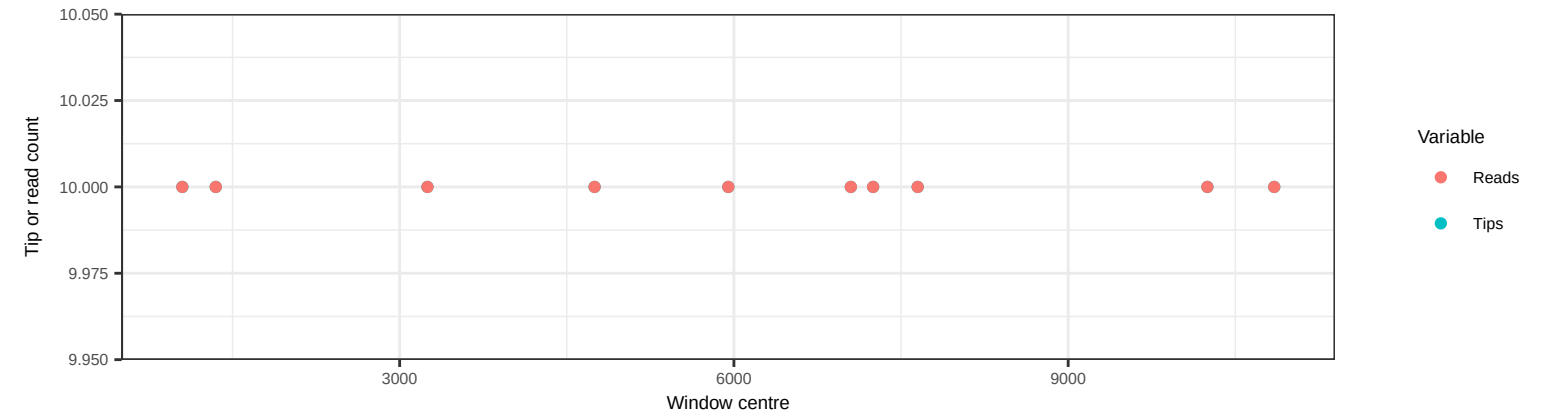

Subgraph or clade count
5
4
3
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

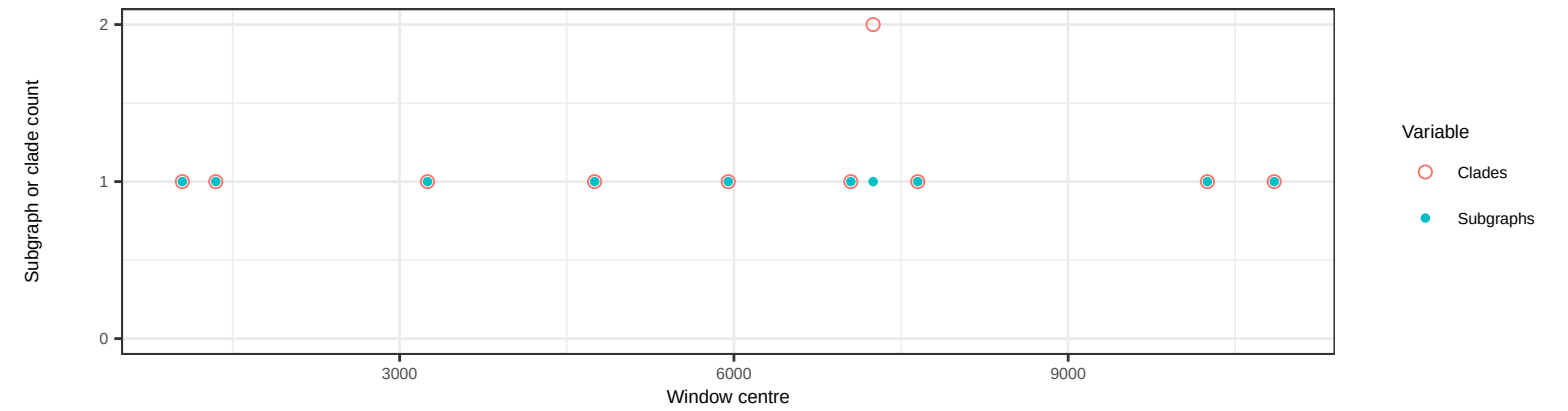

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

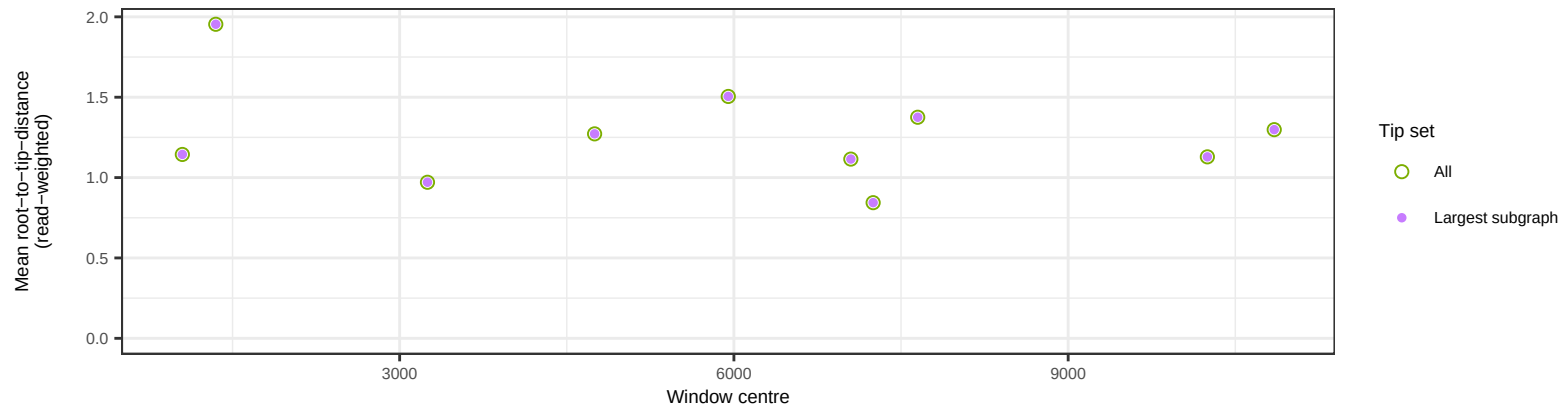

Mean pairwise patristic distance
4
2
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

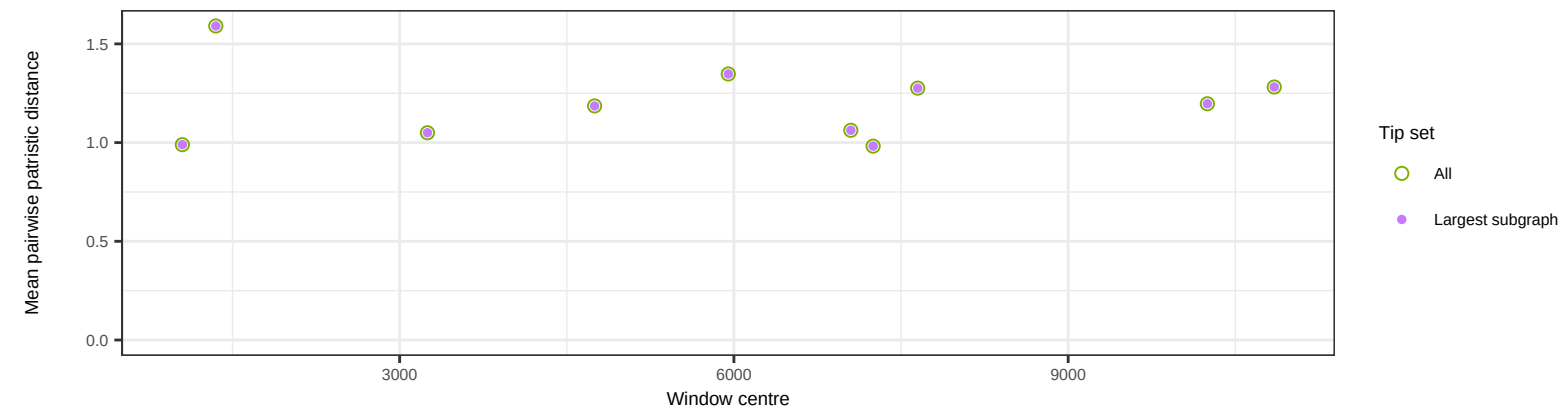

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
2
1

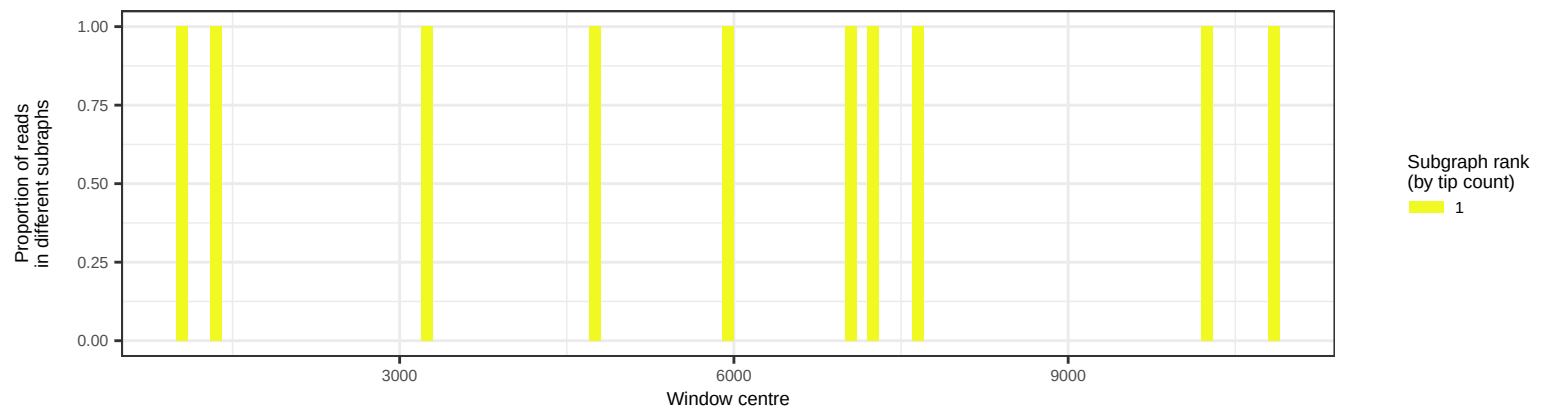
522

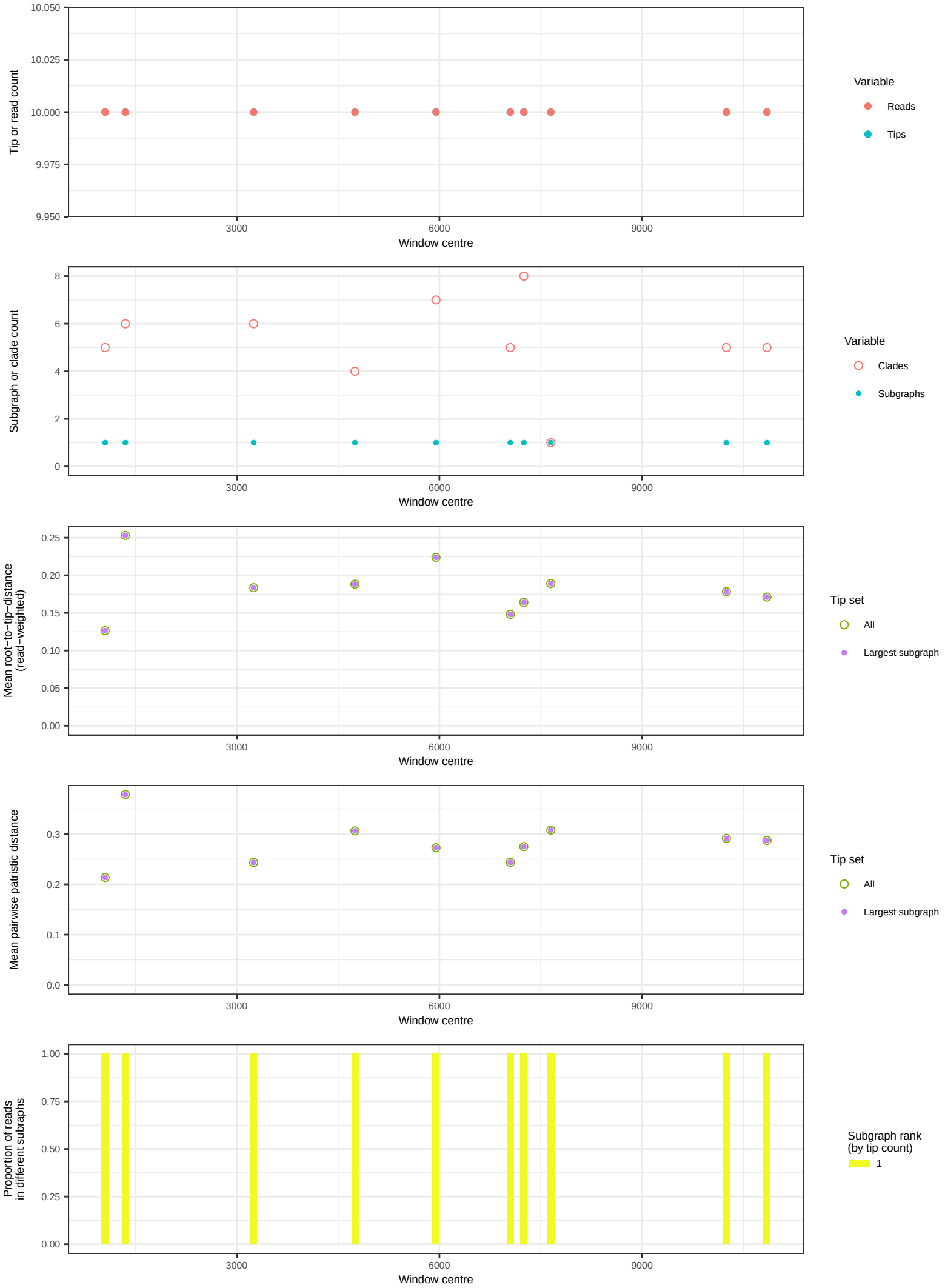

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

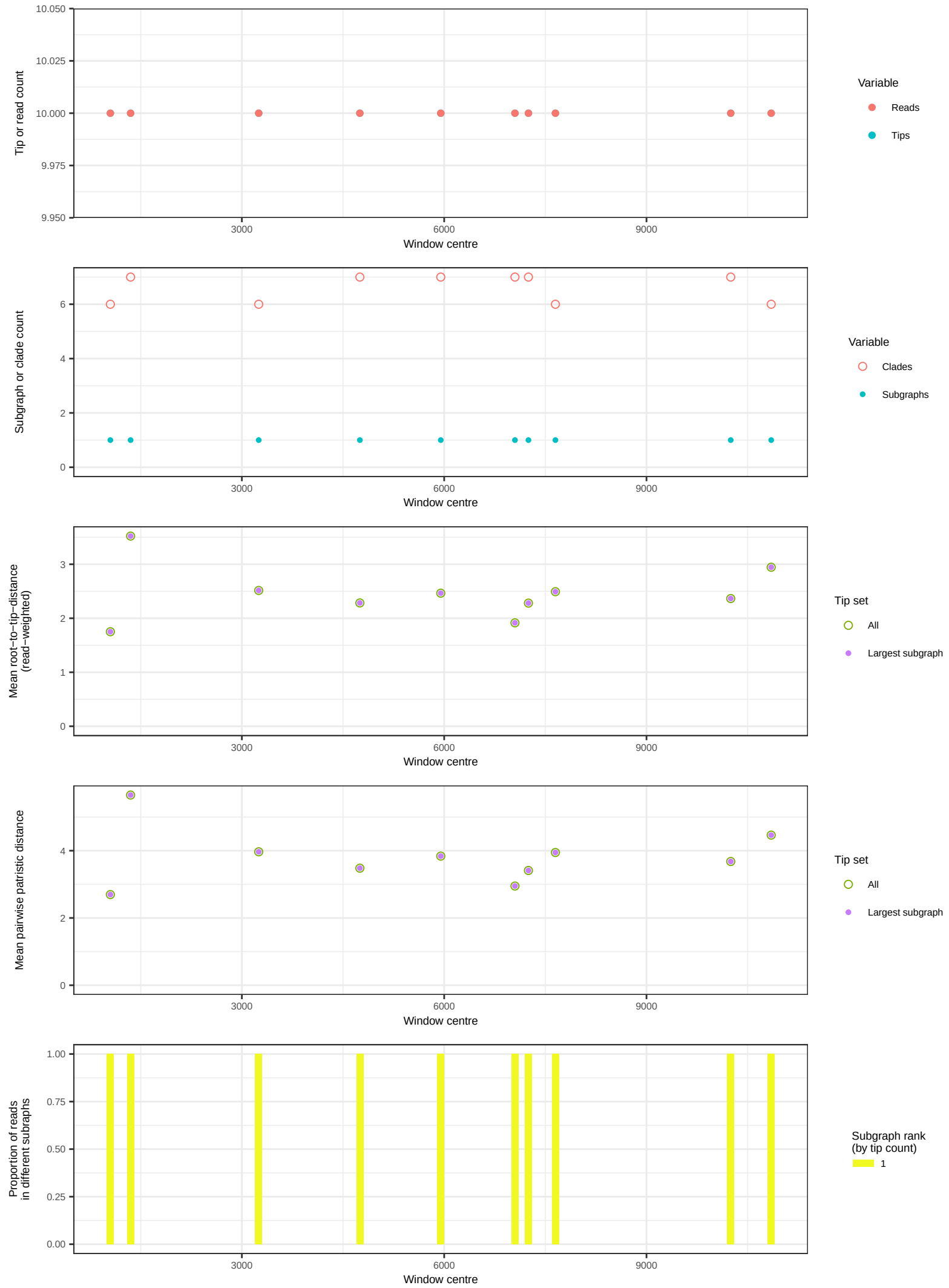

Subgraph or clade count
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs


Mean root−to−tip−distance
(read−weighted)
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

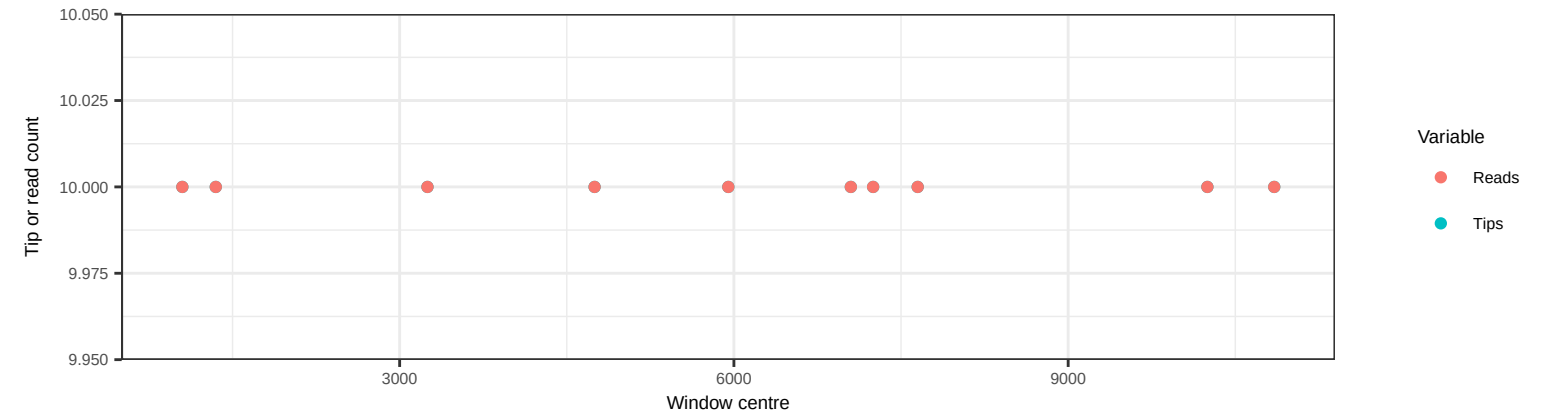

Mean pairwise patristic distance
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

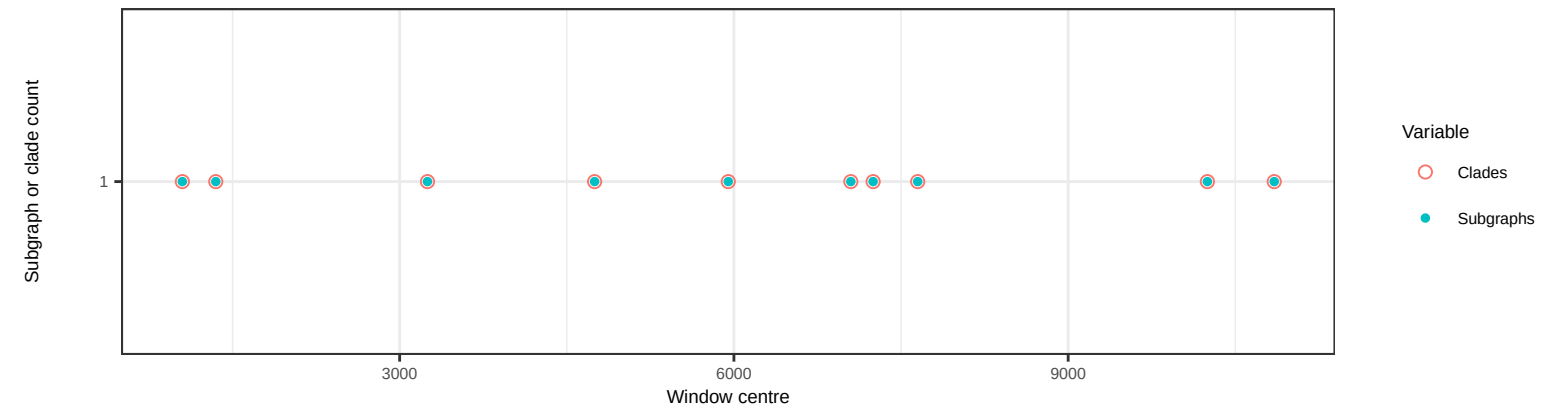

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

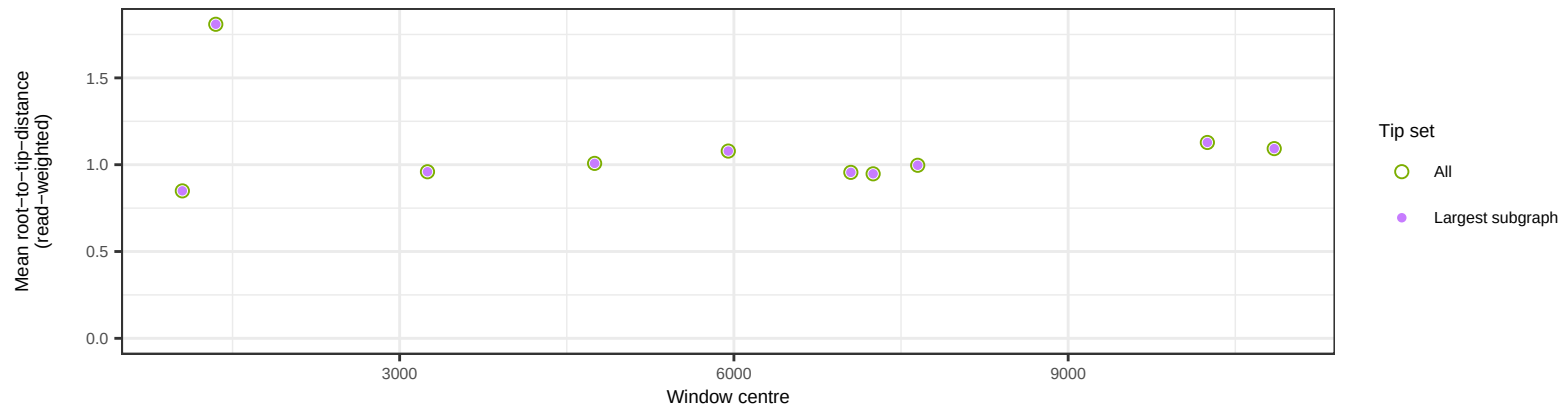

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips
Subgraph or clade count
8
6
4
2
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
0.25
0.20
0.15
0.10
0.05
0.00
3000
6000
9000
Window centre
Tip set
All
Largest subgraph
Mean pairwise patristic distance
0.3
0.2
0.1
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank (by tip count)
1

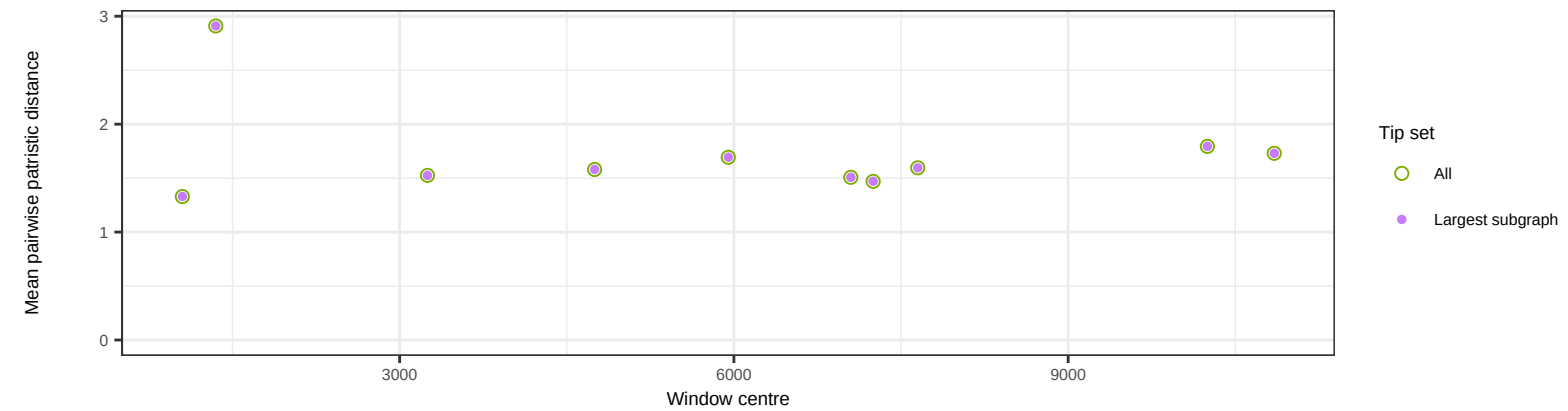

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips
Subgraph or clade count
6
4
2
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph
Mean pairwise patristic distance
4
2
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank (by tip count)
1

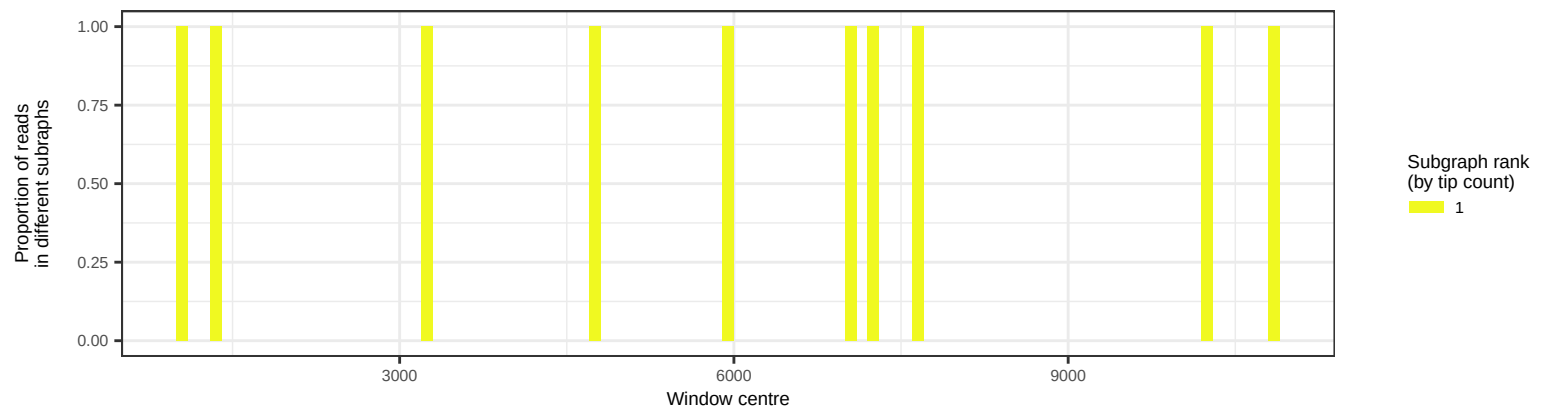
581

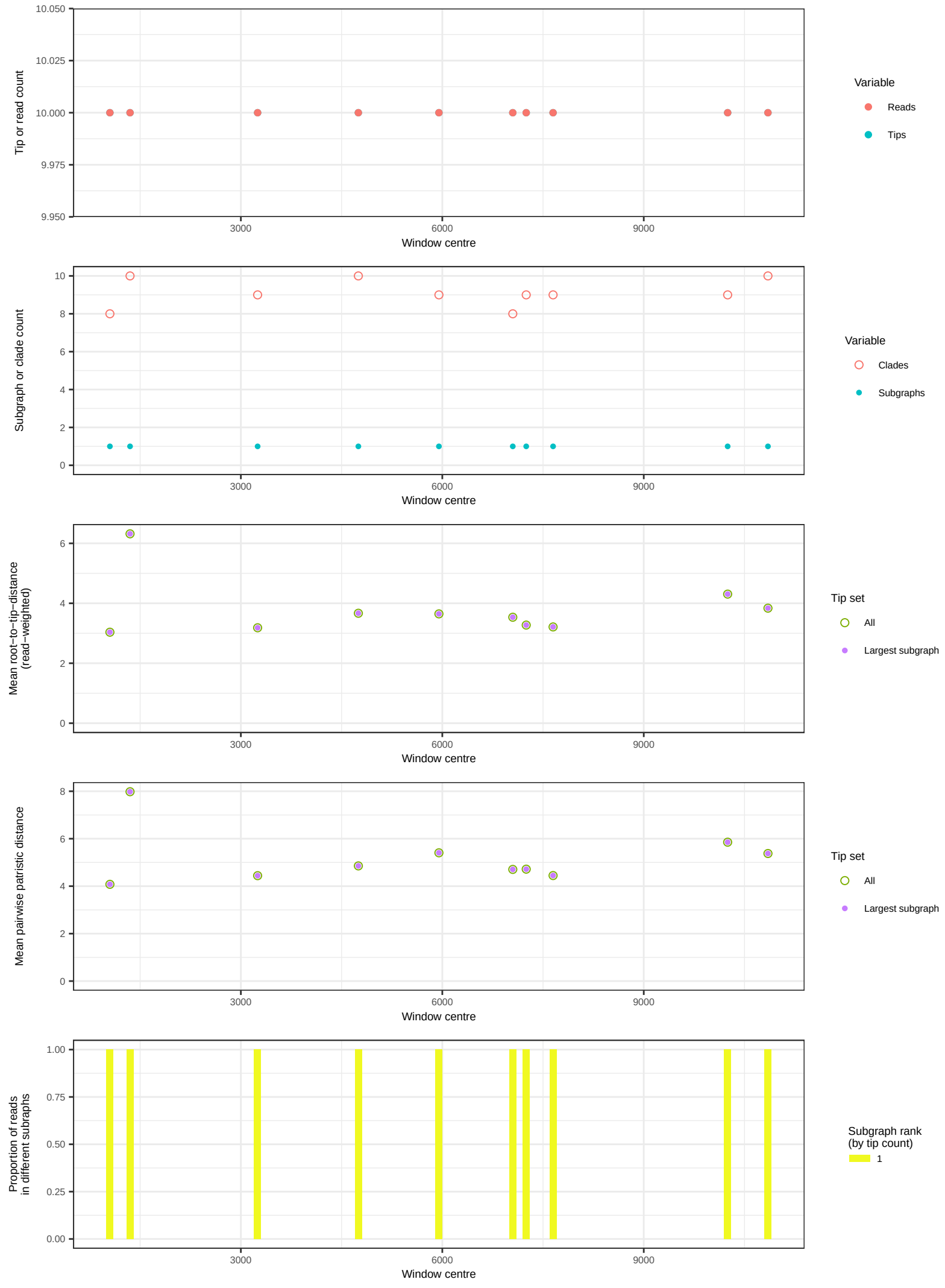

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

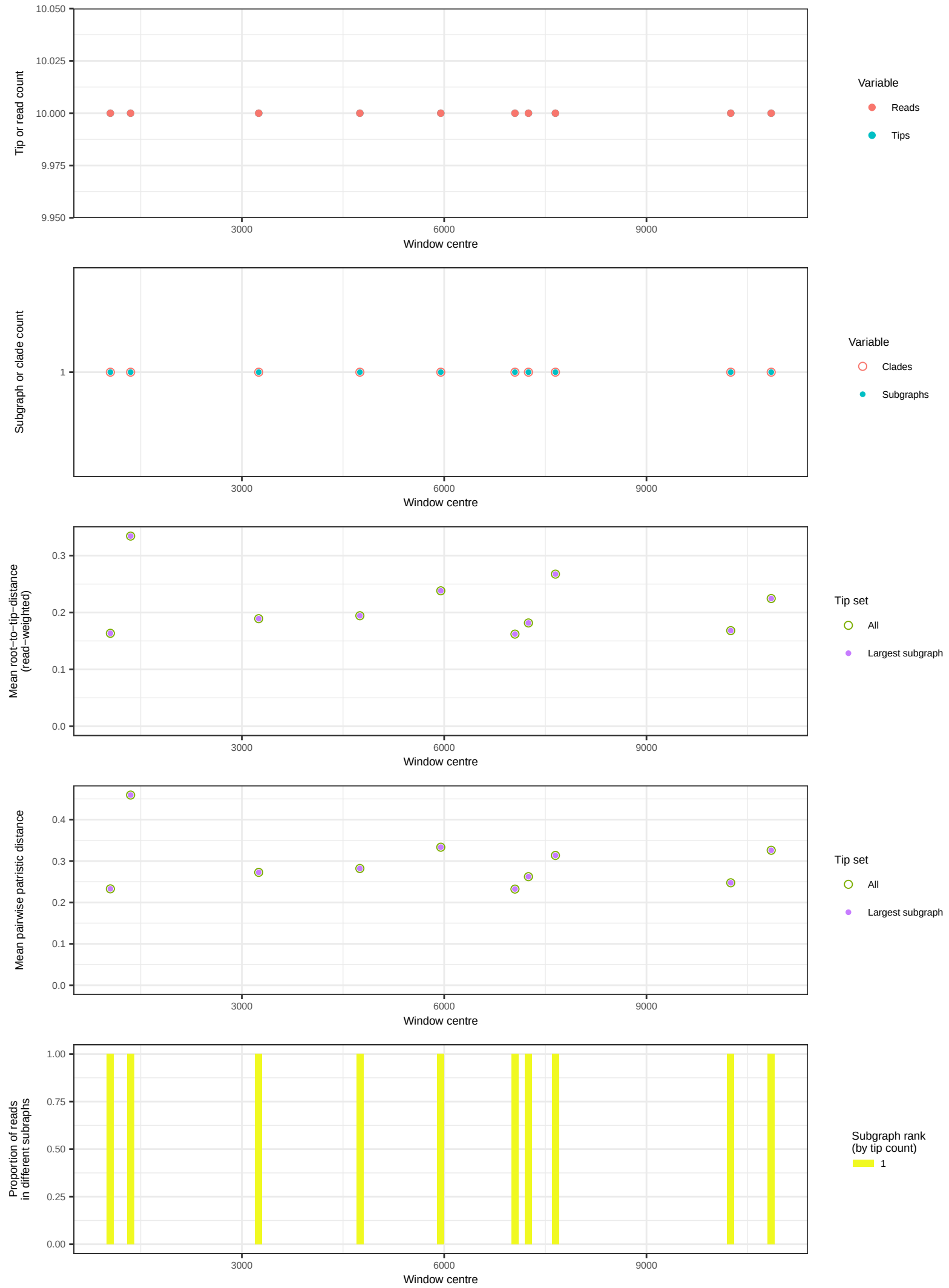

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs


Mean root−to−tip−distance
(read−weighted)
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

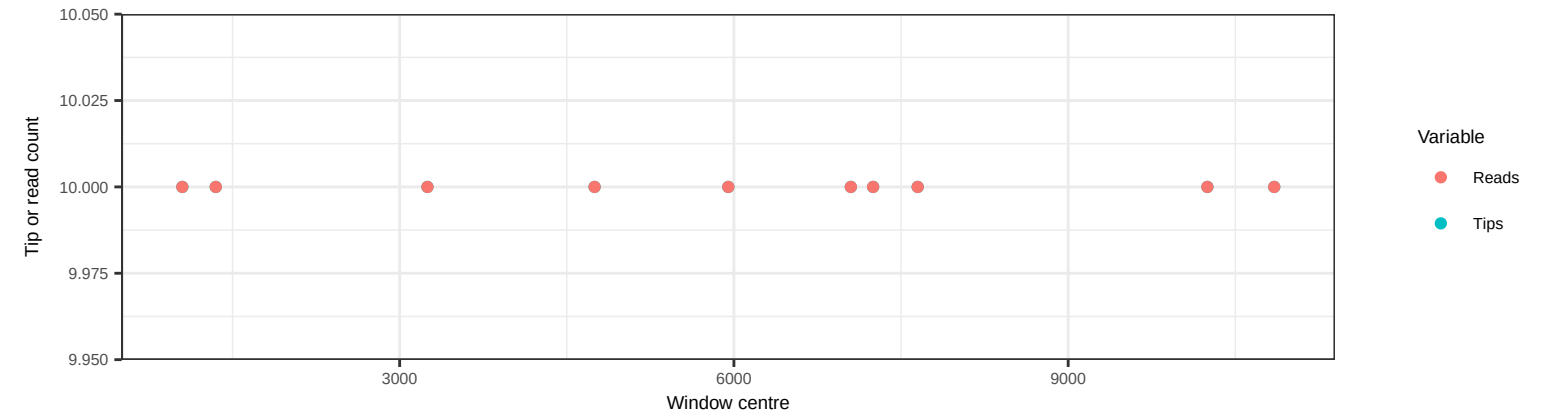

Mean pairwise patristic distance
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

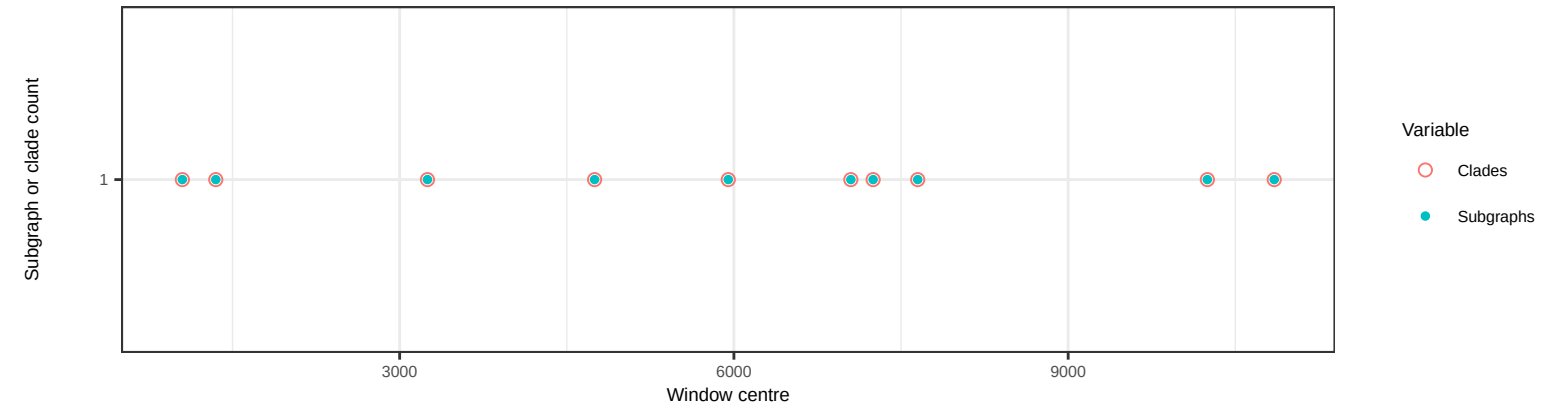

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

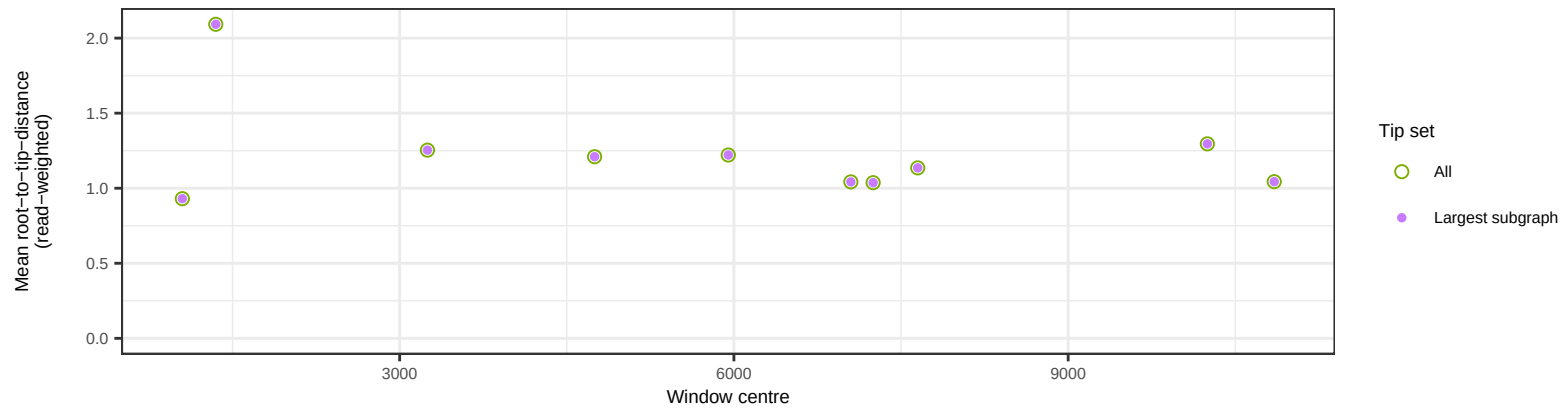

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips
Subgraph or clade count
10
8
6
4
2
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
6
4
2
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph
Mean pairwise patristic distance
8
6
4
2
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank (by tip count)
1

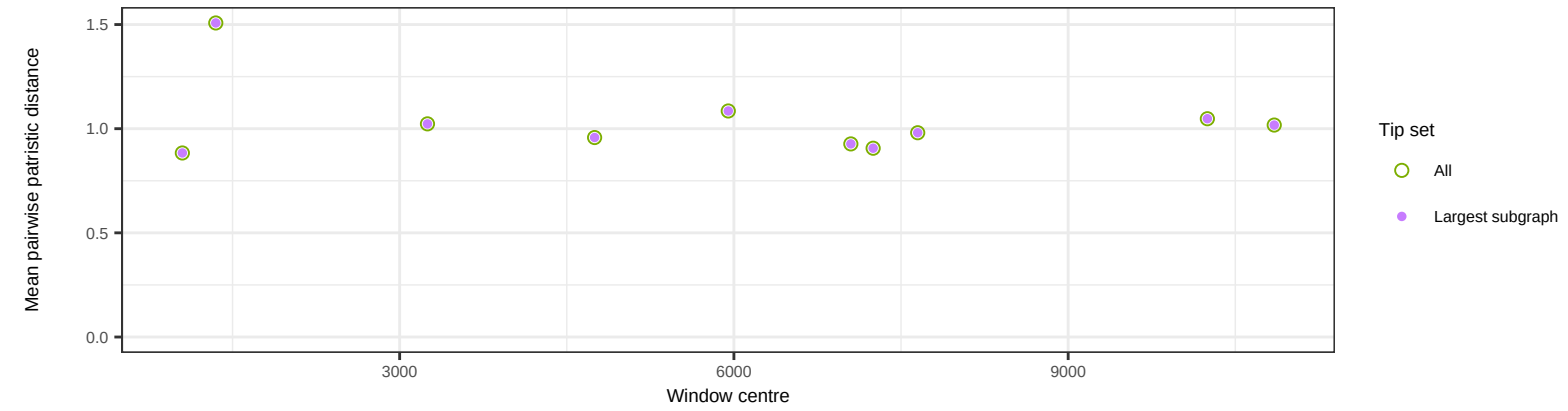

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips
Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs
Mean root−to−tip−distance (read−weighted)
0.3
0.2
0.1
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph
Mean pairwise patristic distance
0.4
0.3
0.2
0.1
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph
Proportion of reads in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank (by tip count)
1

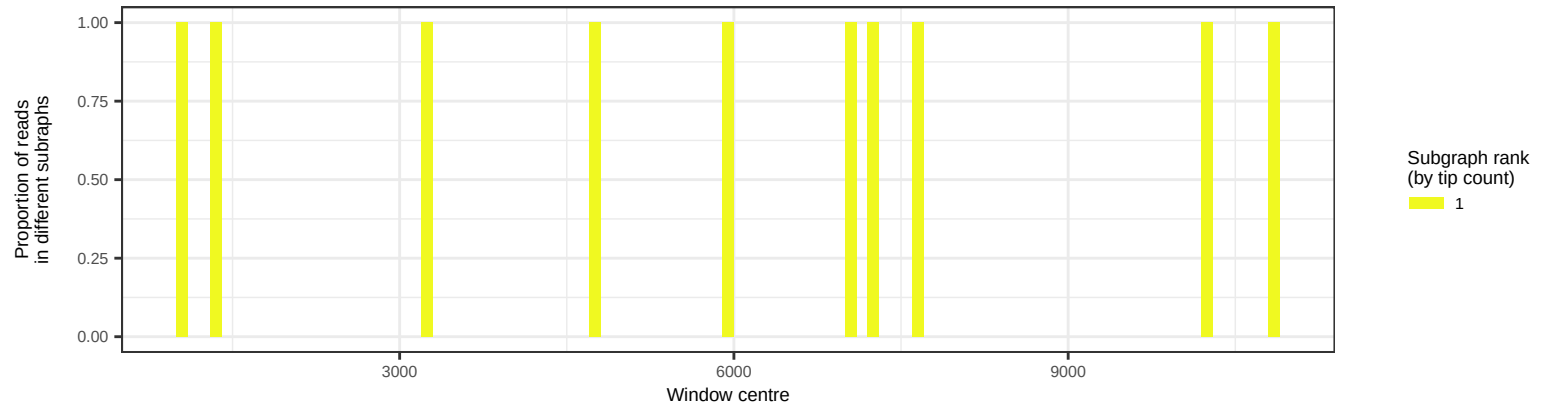
631

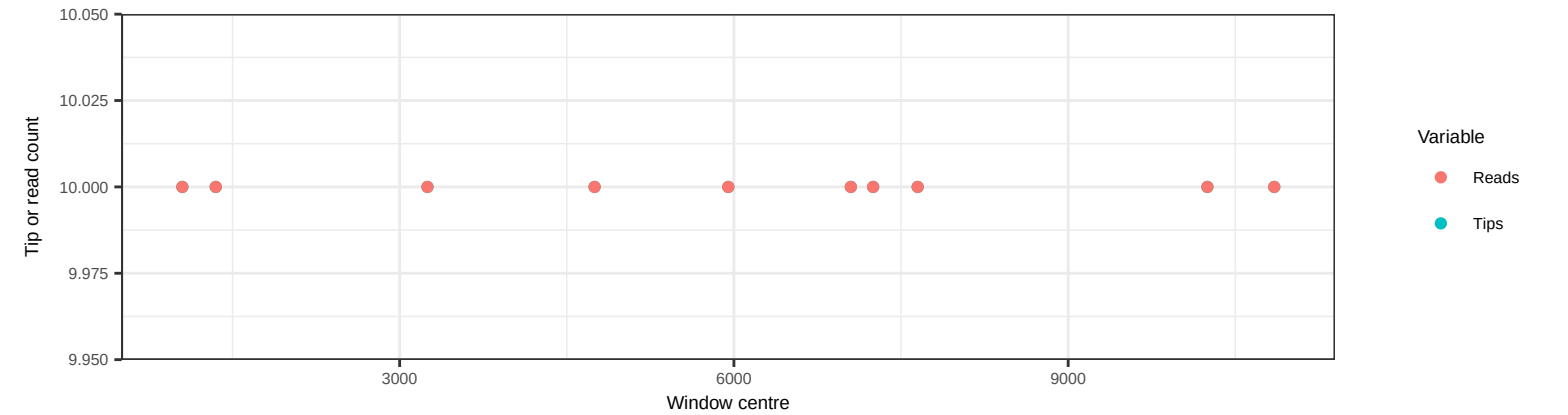

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

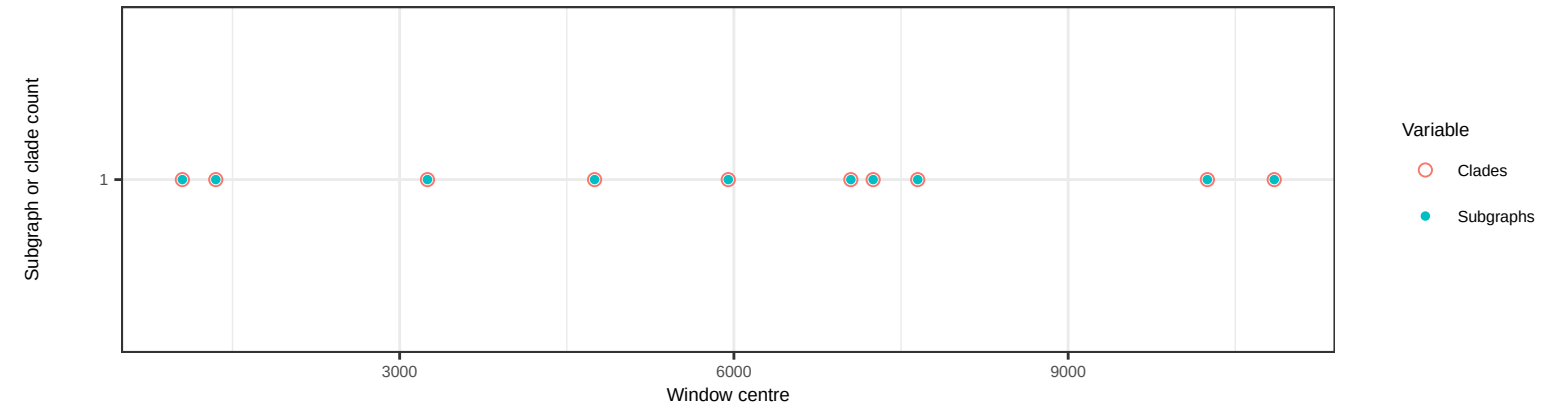

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

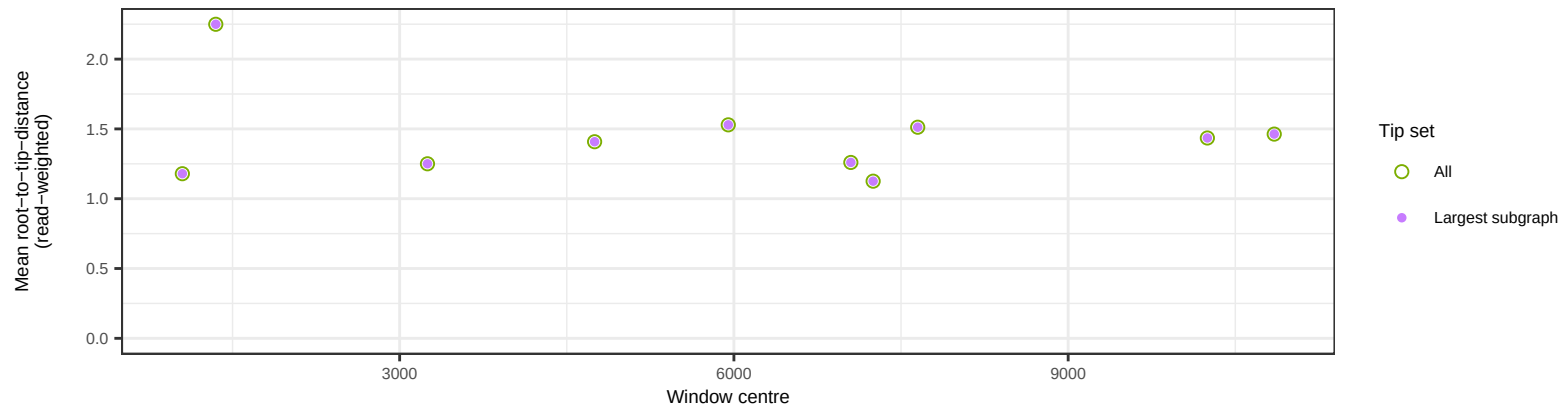

Mean root−to−tip−distance
(read−weighted)
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

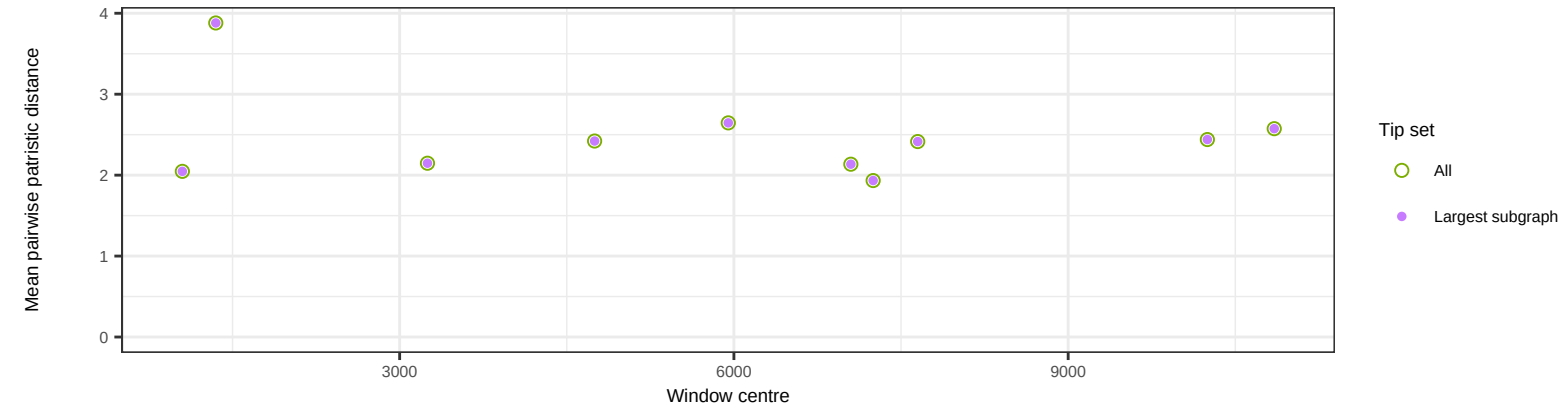

Mean pairwise patristic distance
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

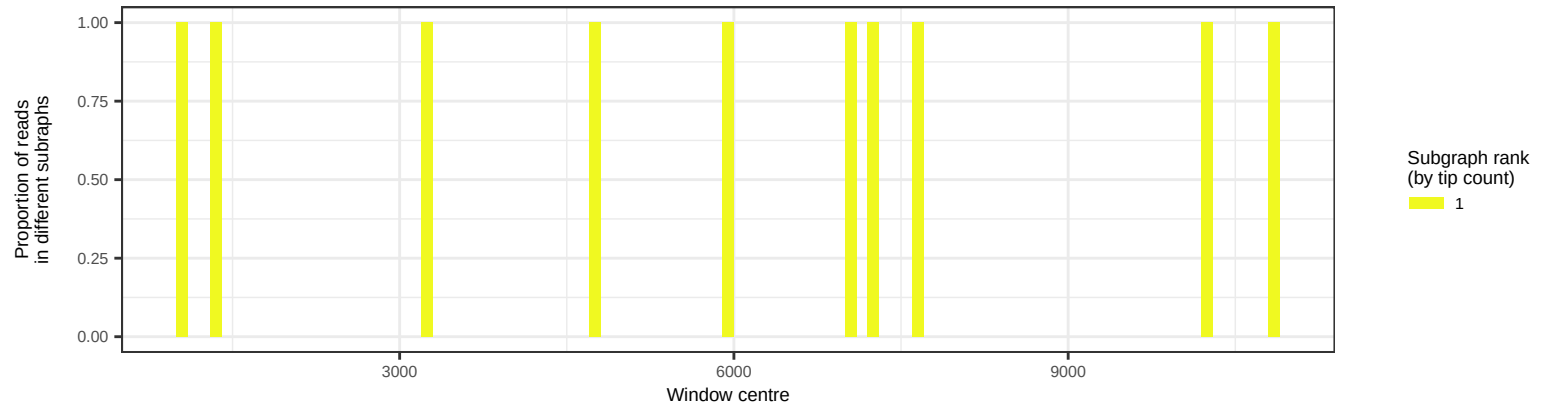

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1


10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

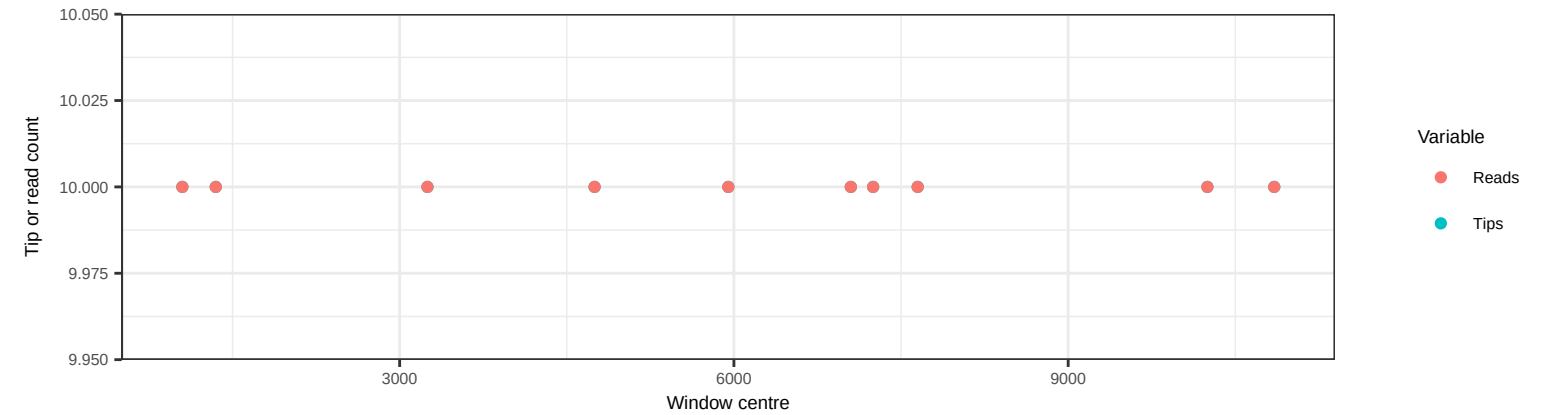

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

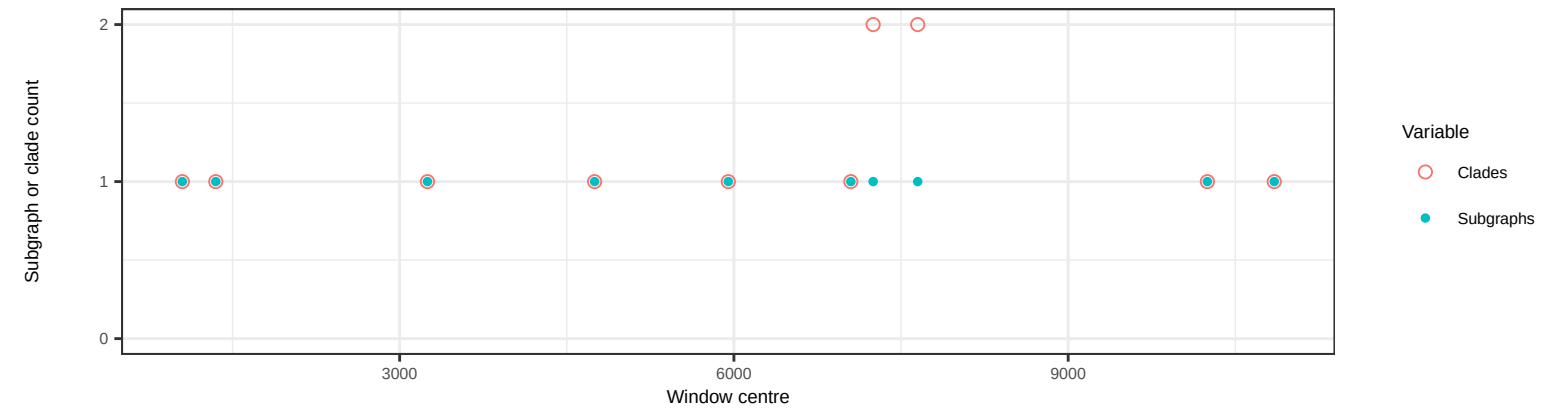

2.0
1.5
1.0
0.5
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

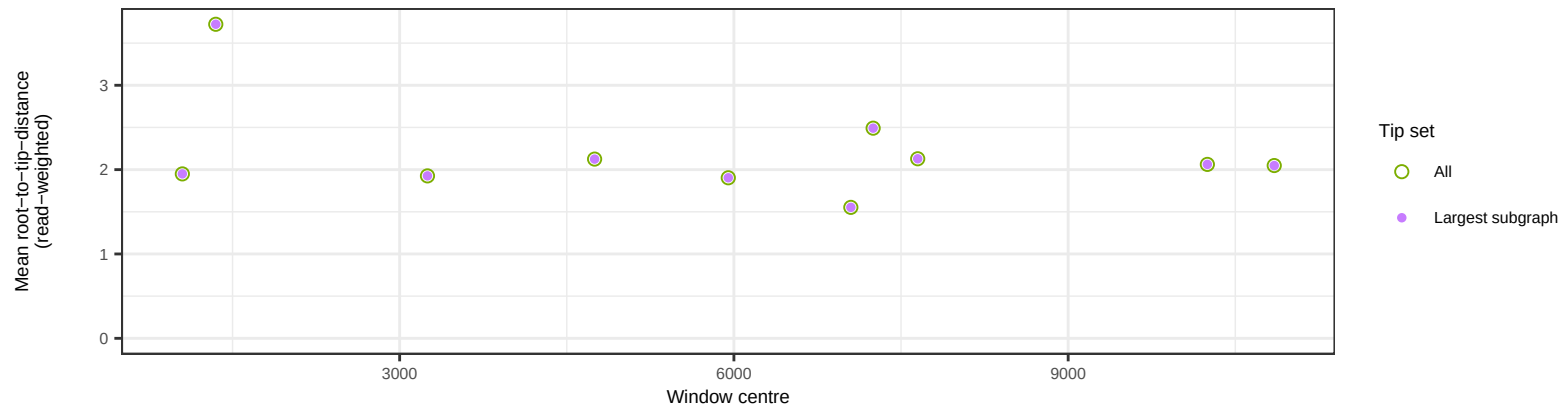

4
3
2
1
0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

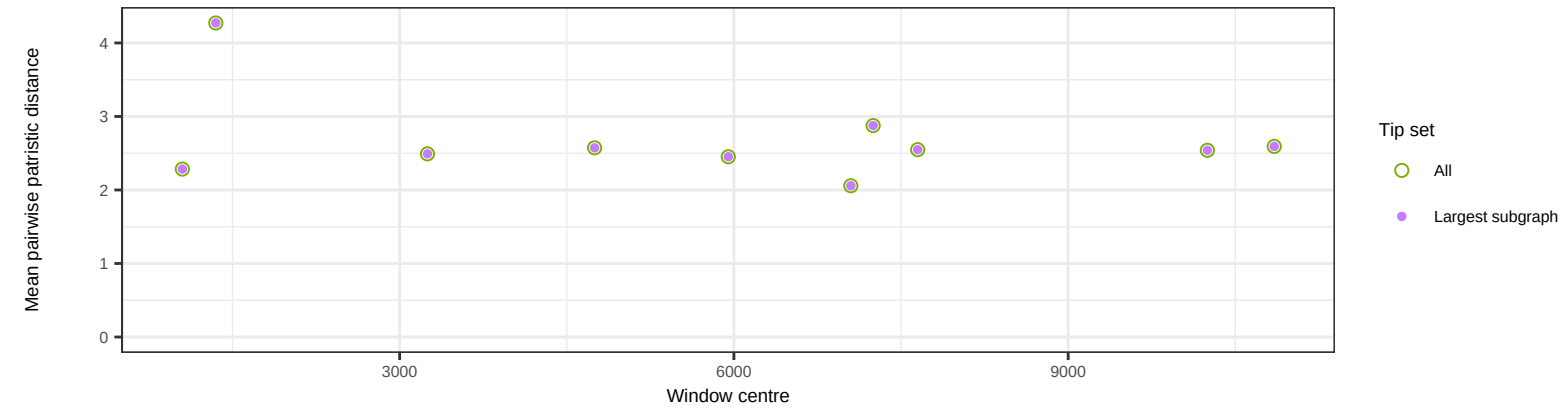

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

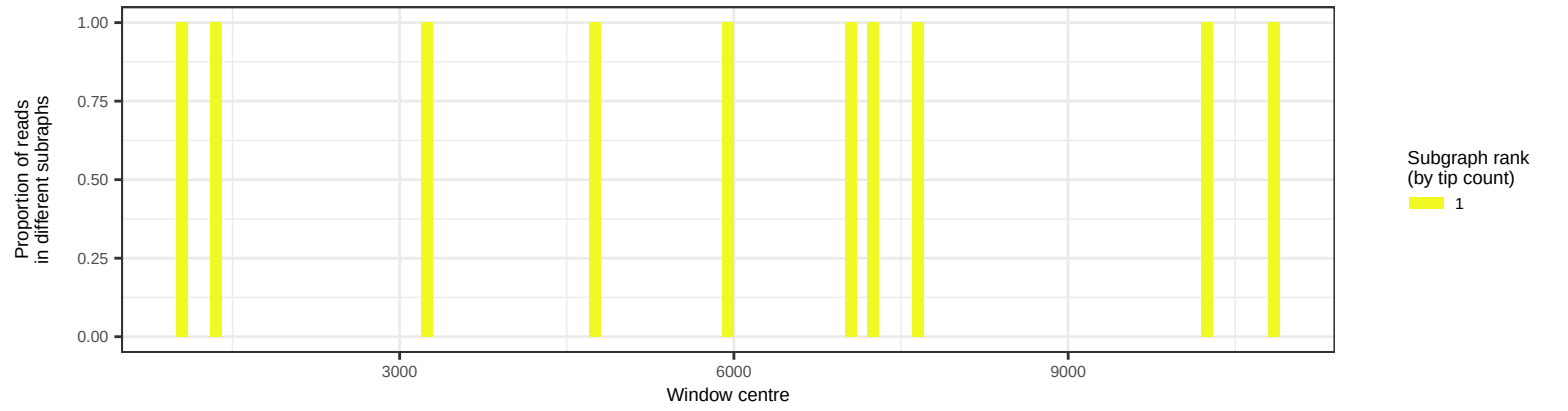
651

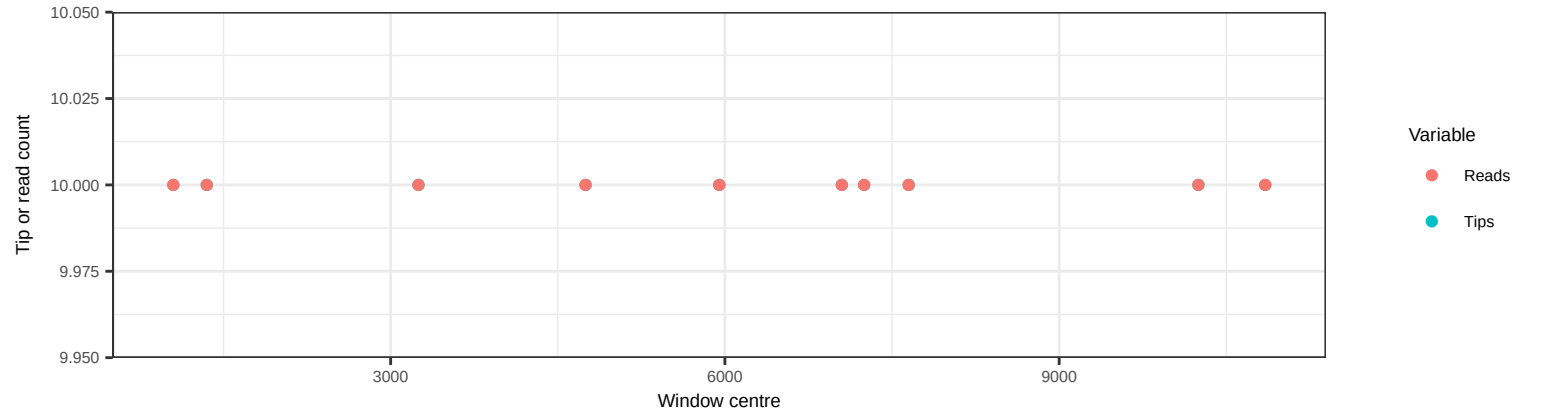

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

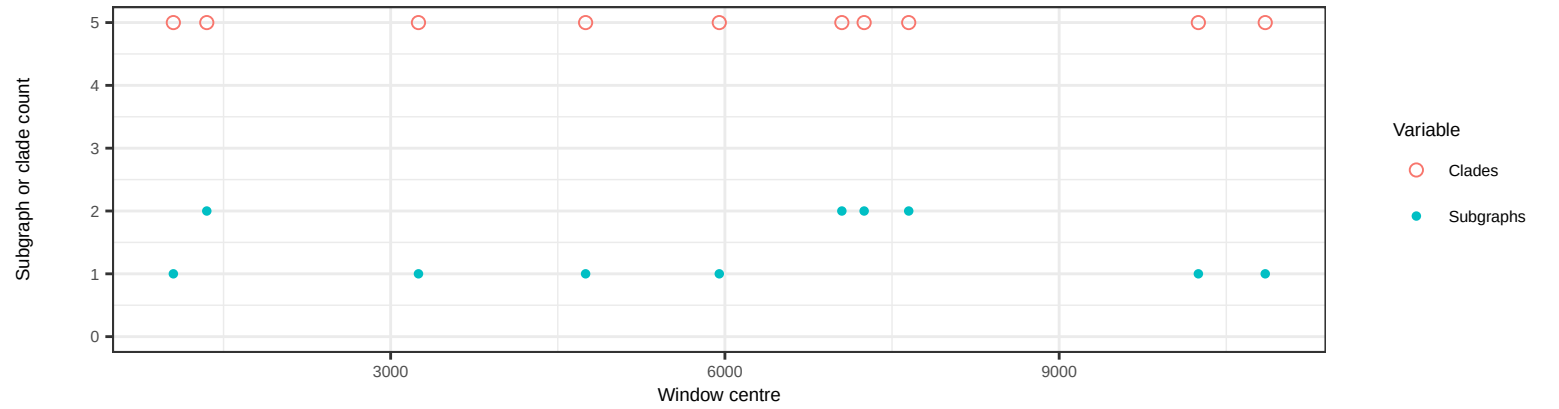

Subgraph or clade count
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

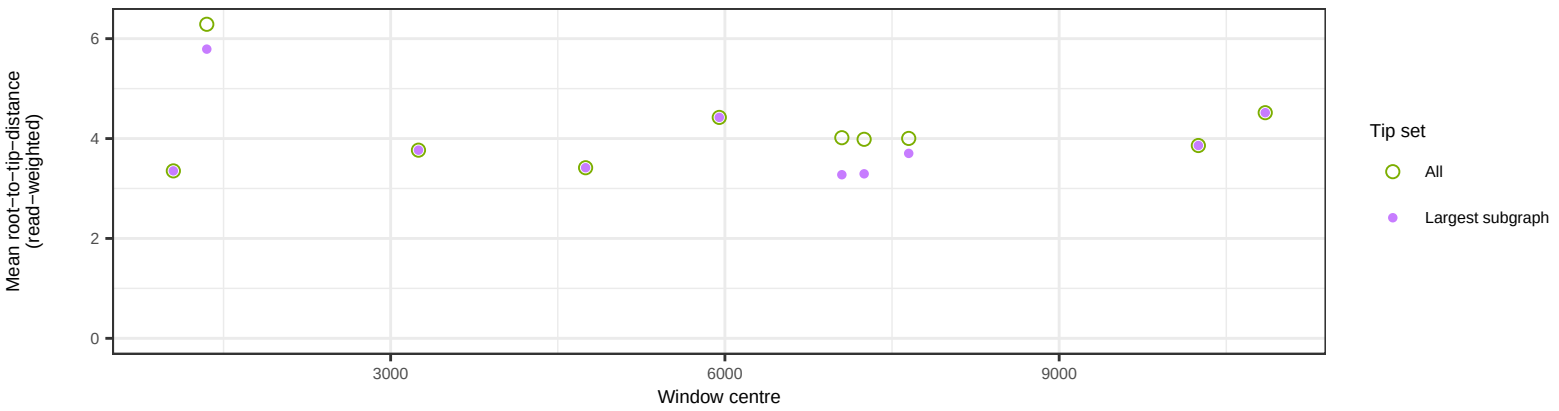

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

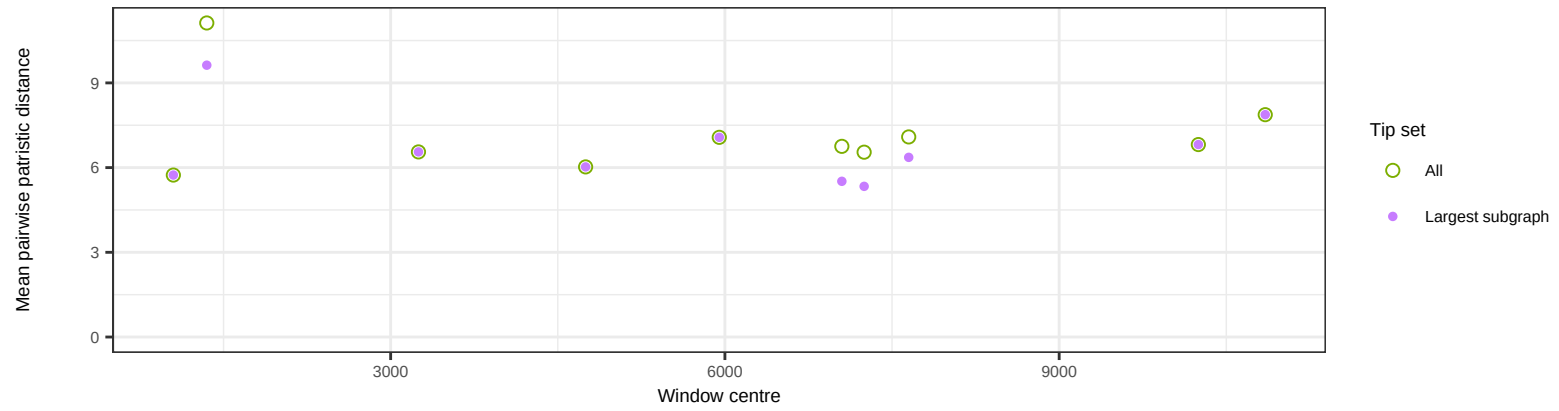

Mean pairwise patristic distance
4
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

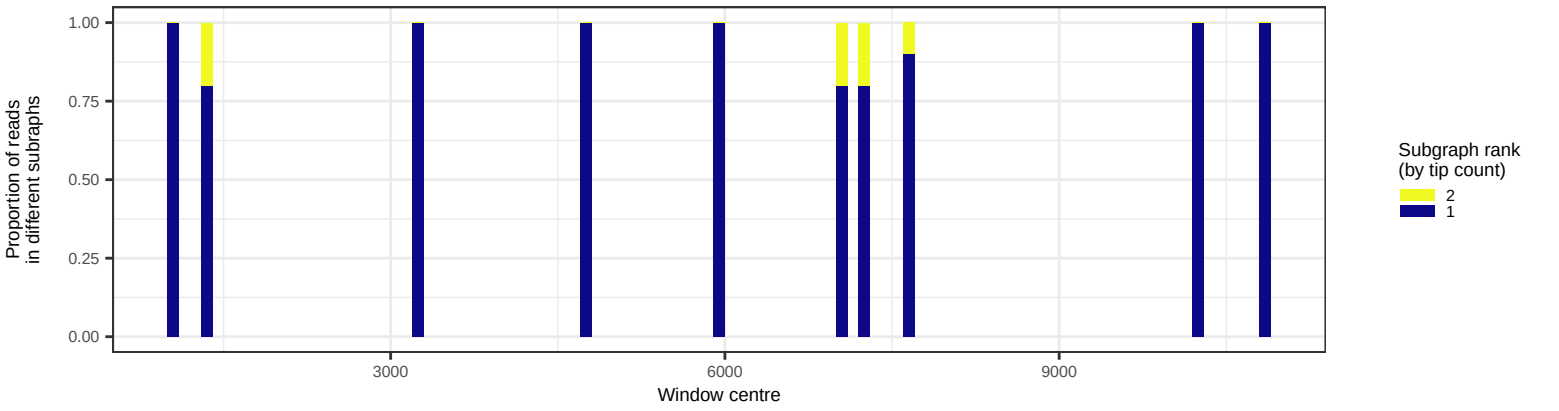

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

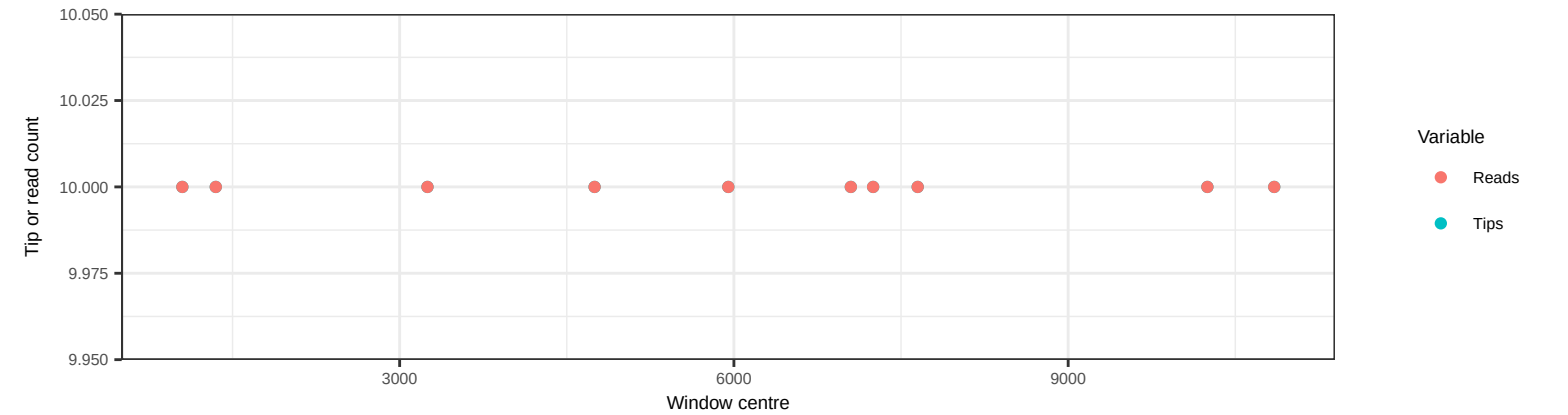

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

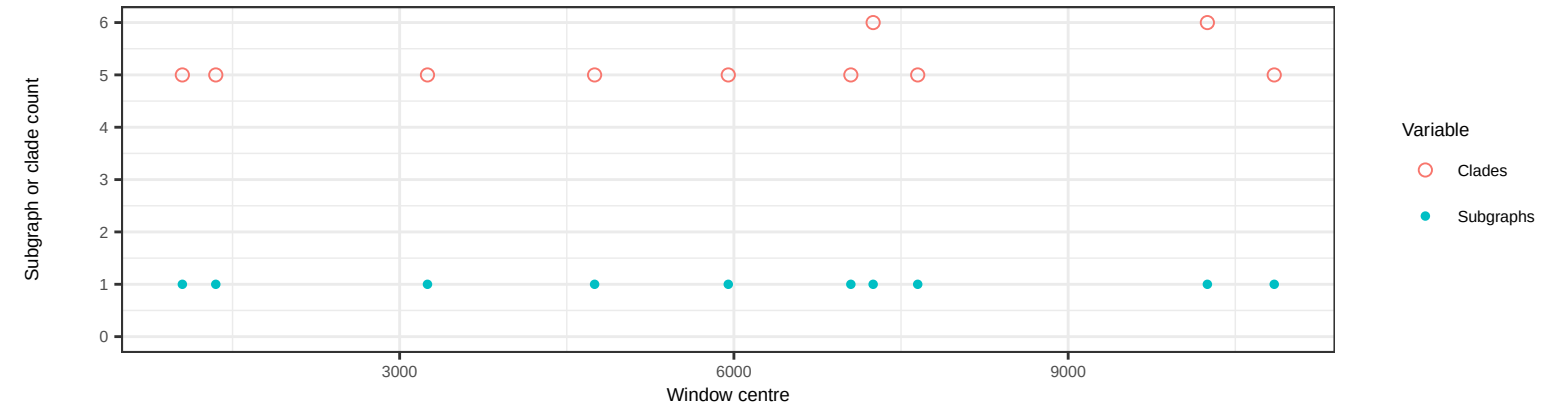

Subgraph or clade count
5
4
3
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

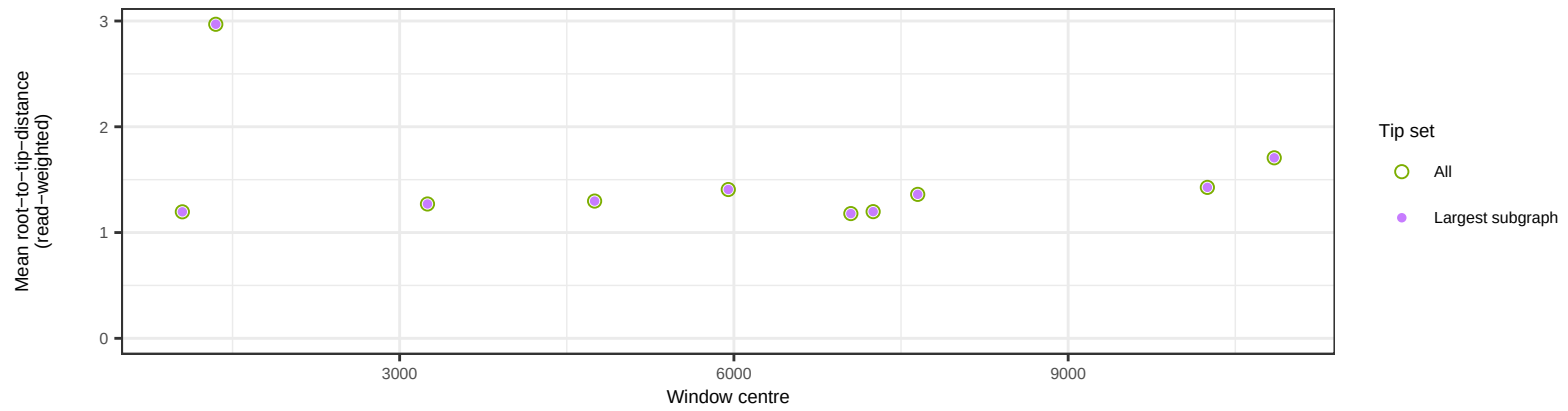

Mean root−to−tip−distance
(read−weighted)
6
4
2
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

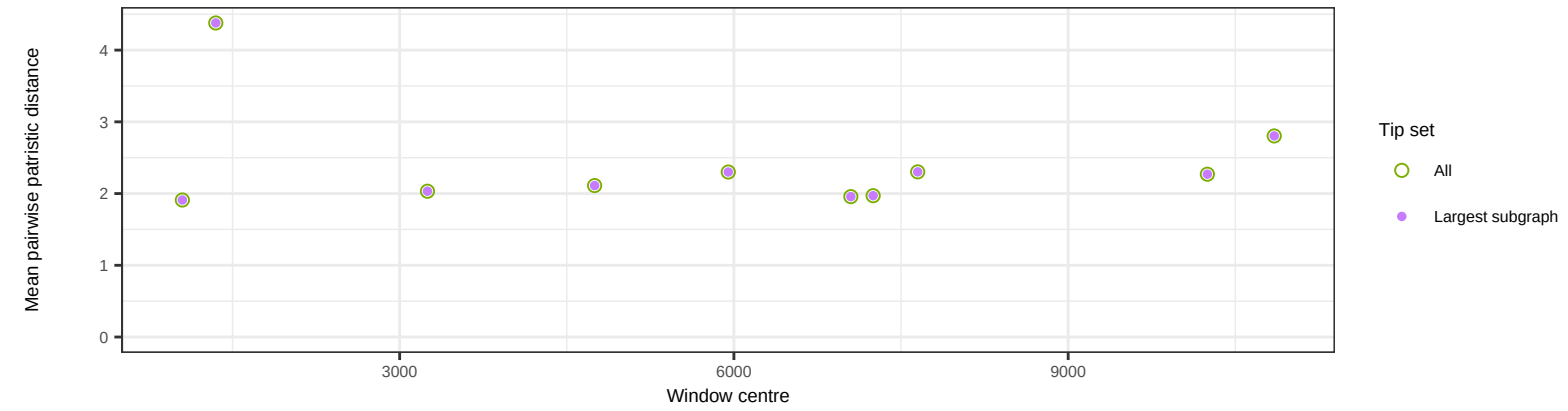

Mean pairwise patristic distance
9
6
3
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

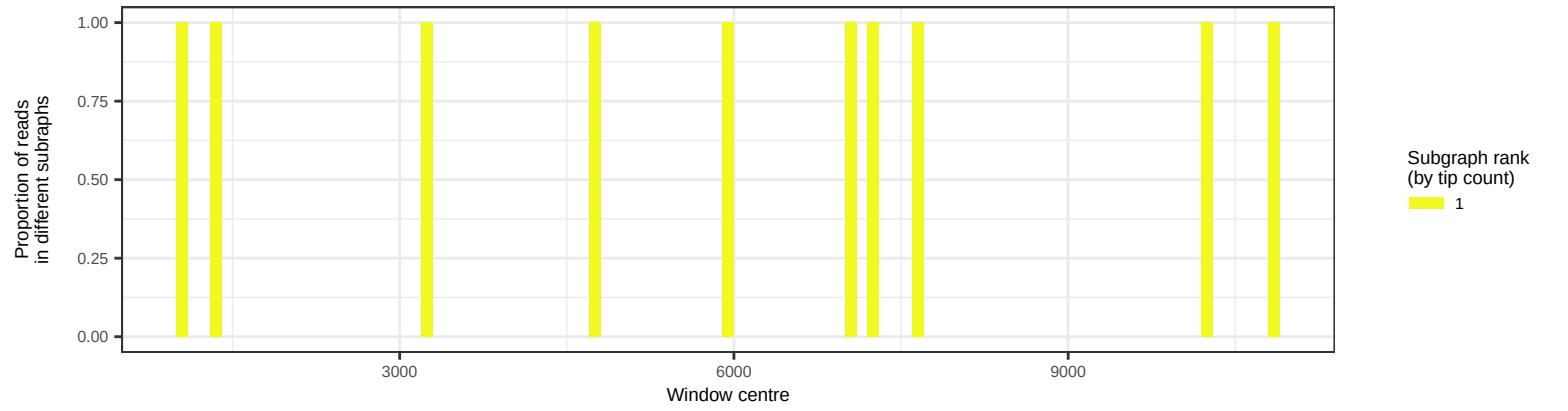

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
2
1


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

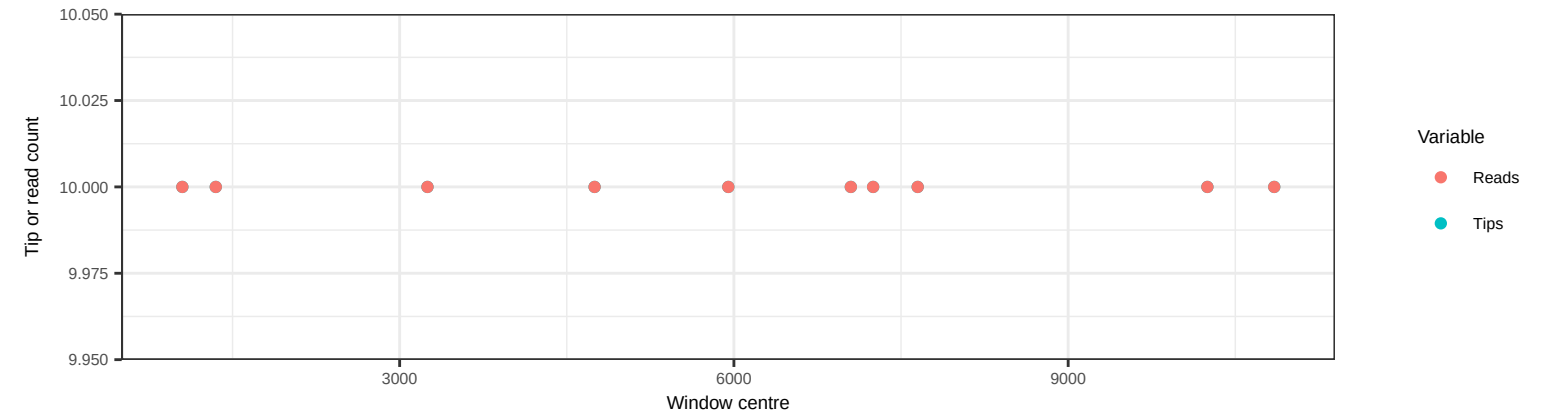

Subgraph or clade count
6
5
4
3
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

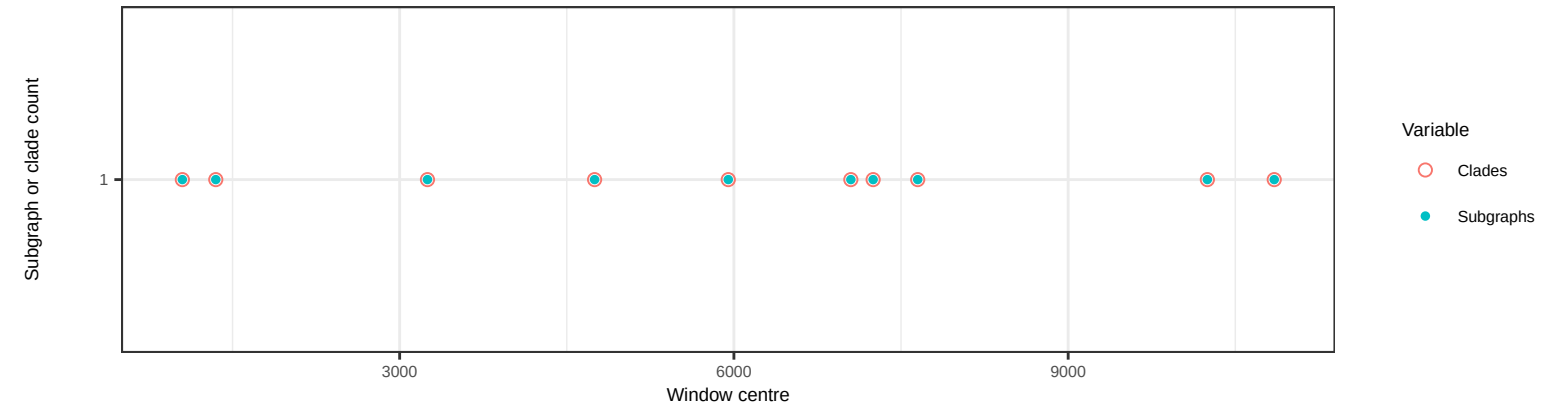

Mean root−to−tip−distance
(read−weighted)
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

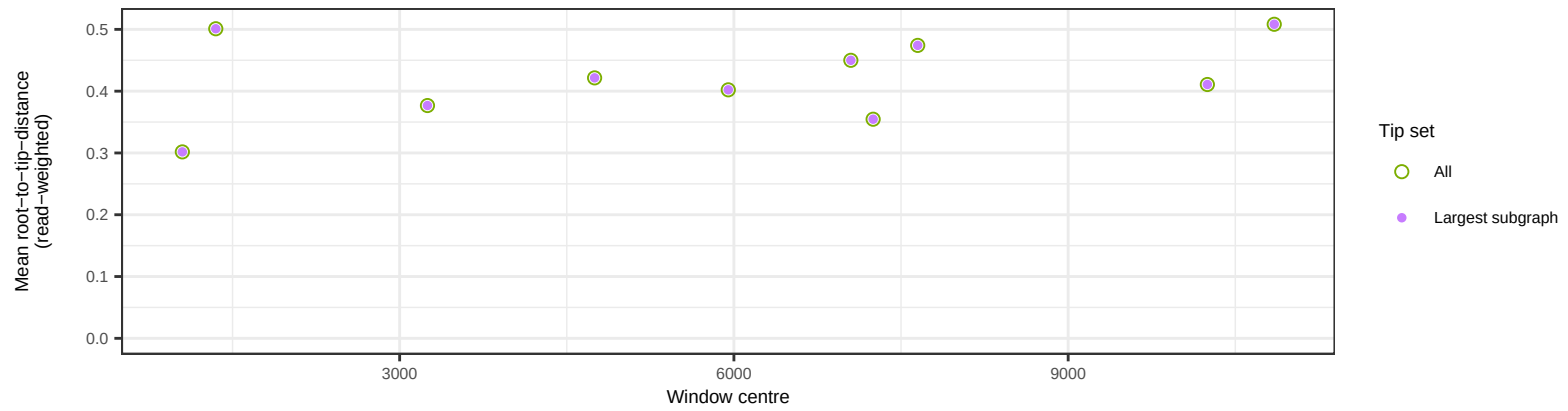

Mean pairwise patristic distance
4
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

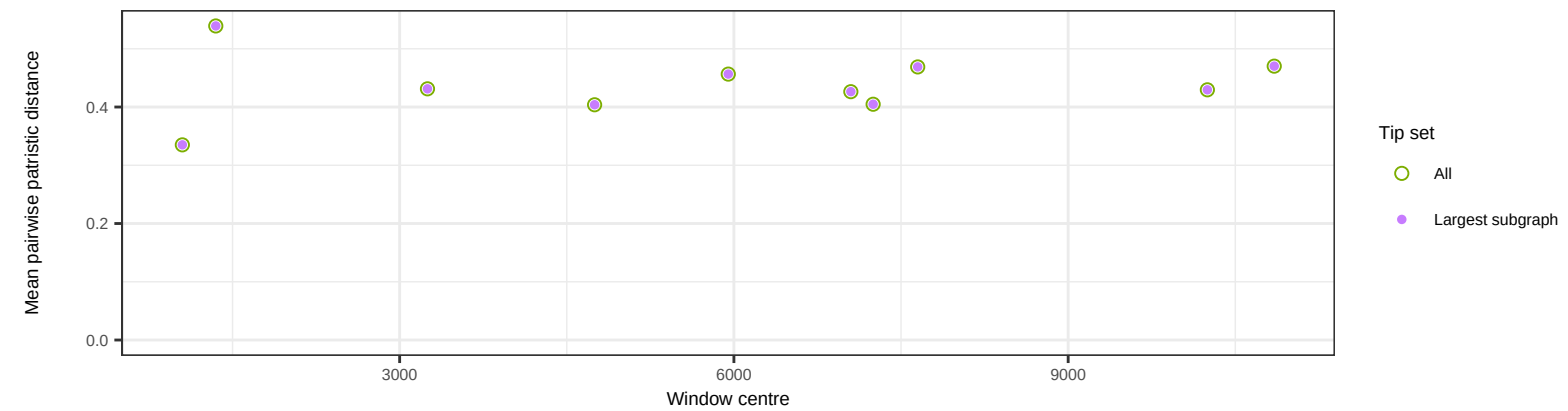

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

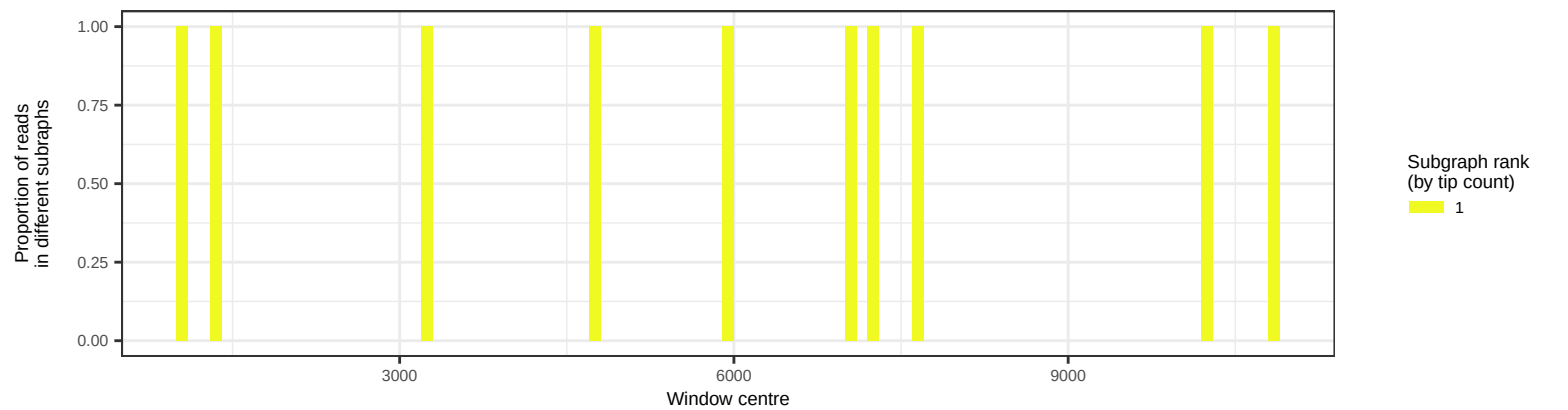
744

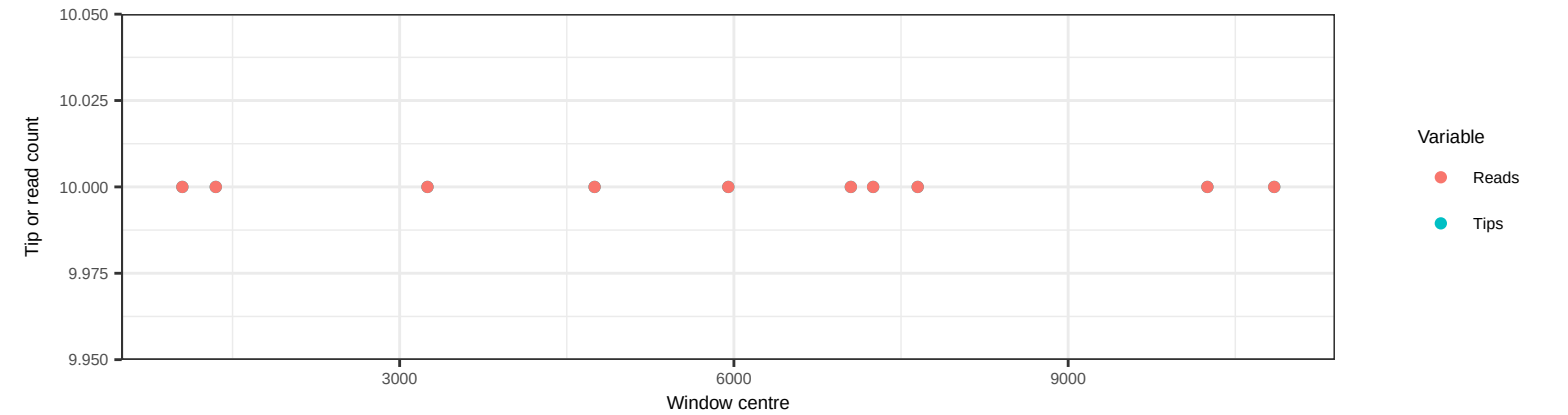

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

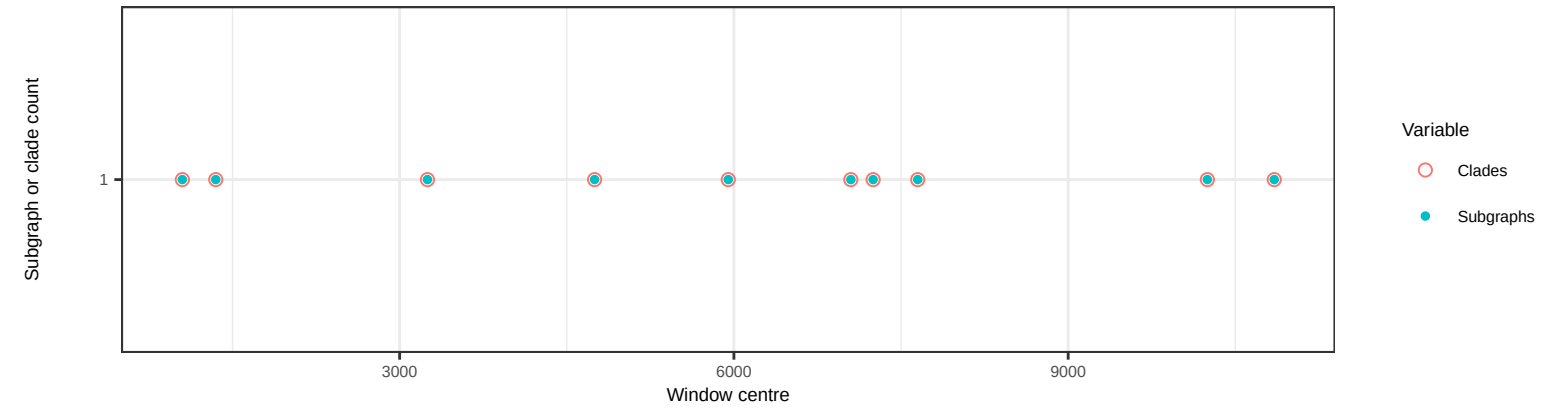

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

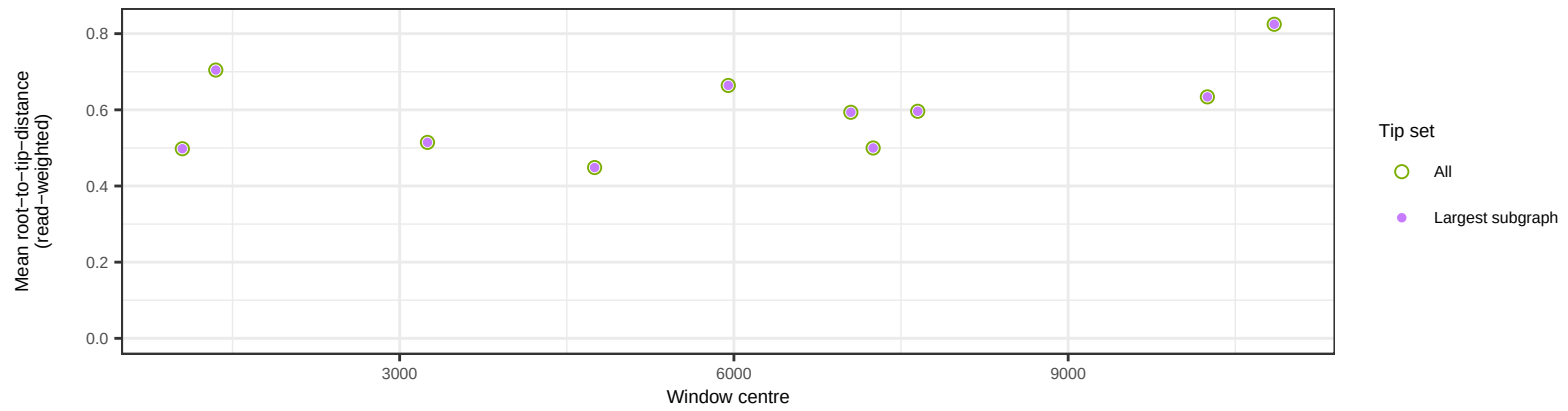

0.5
0.4
0.3
0.2
0.1
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph


0.4
0.2
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph


1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips


Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs


Mean root−to−tip−distance
(read−weighted)
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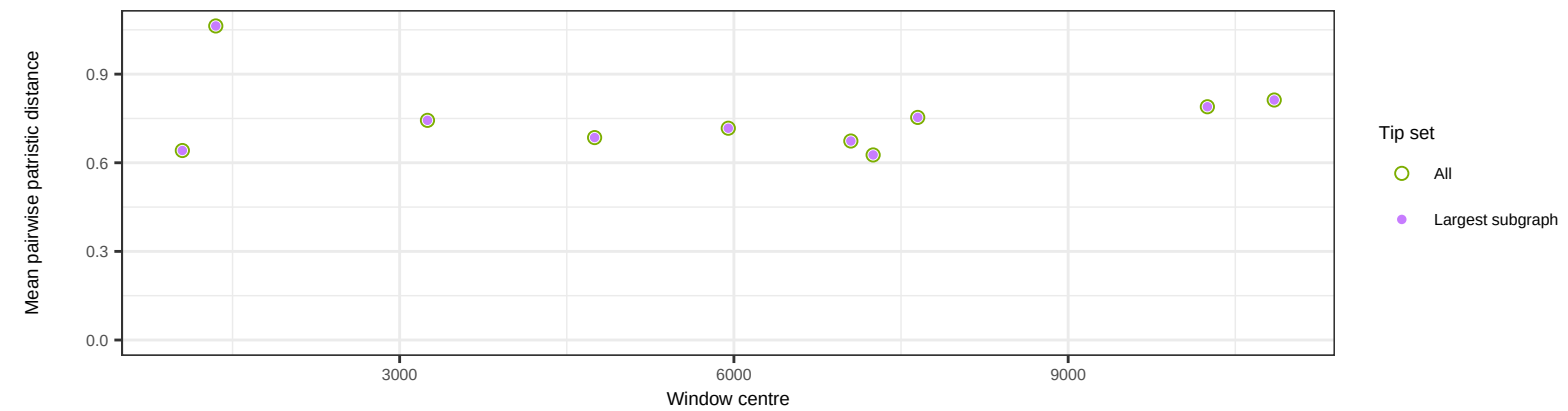
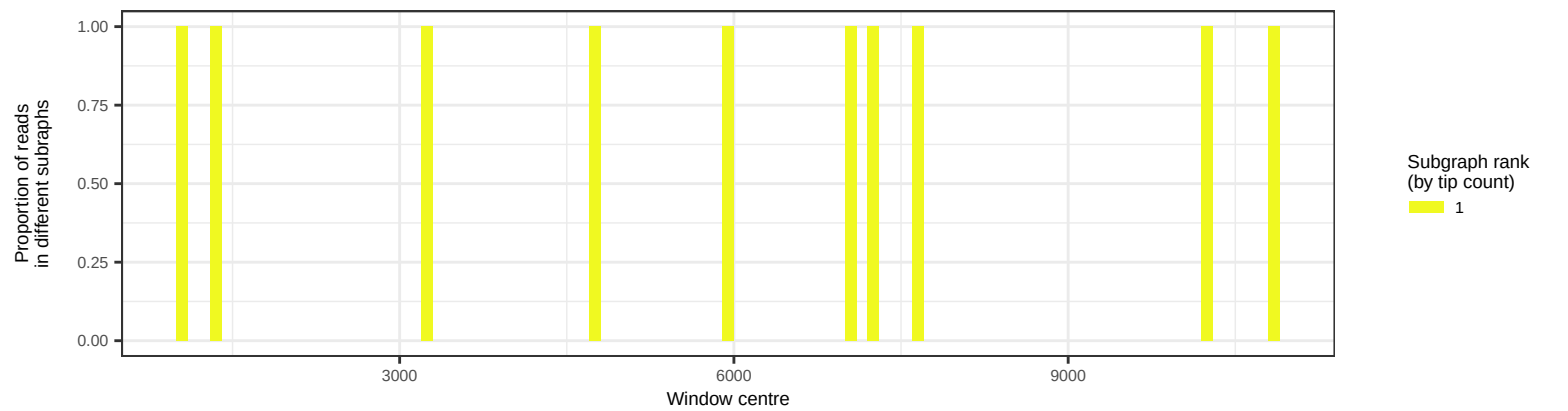
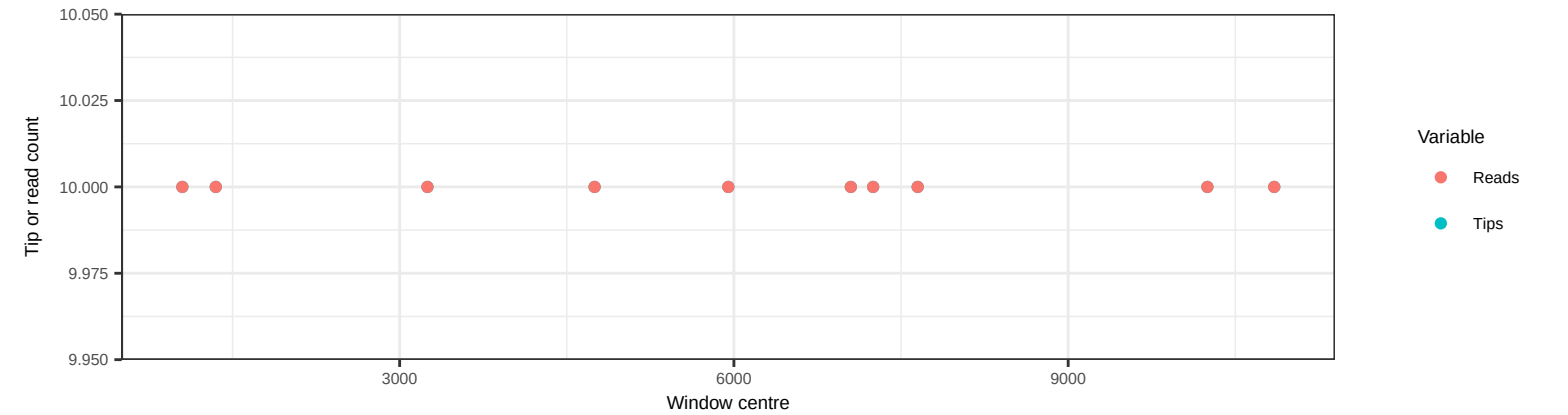
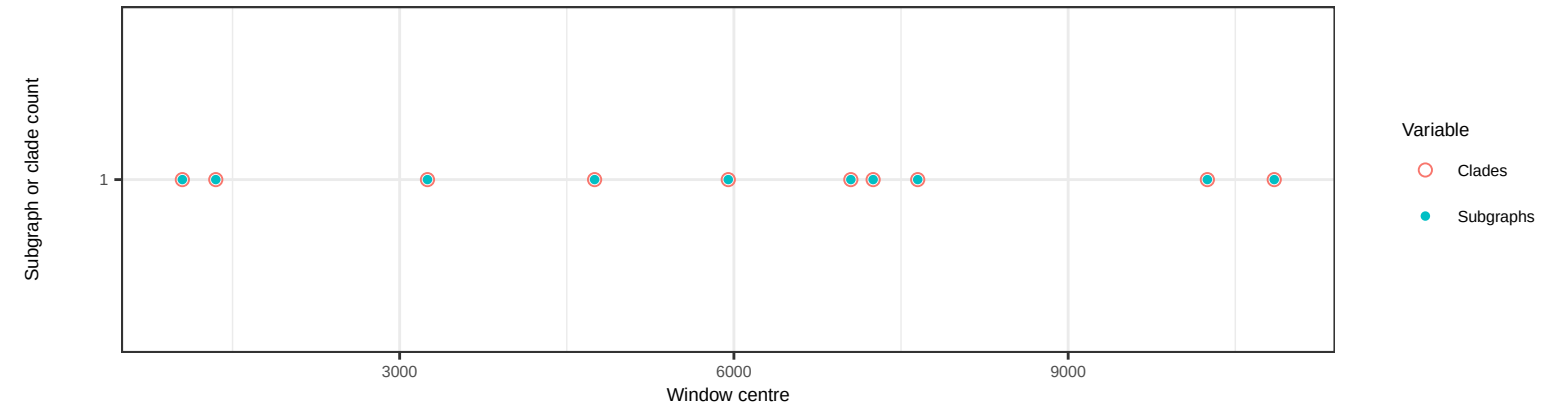
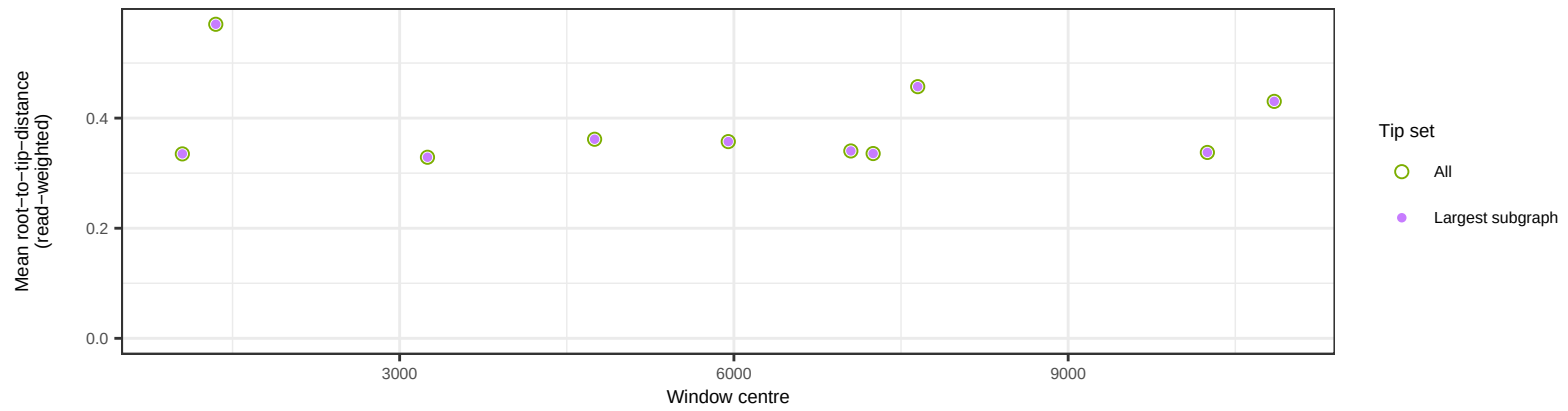
0.6
0.4
0.2
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

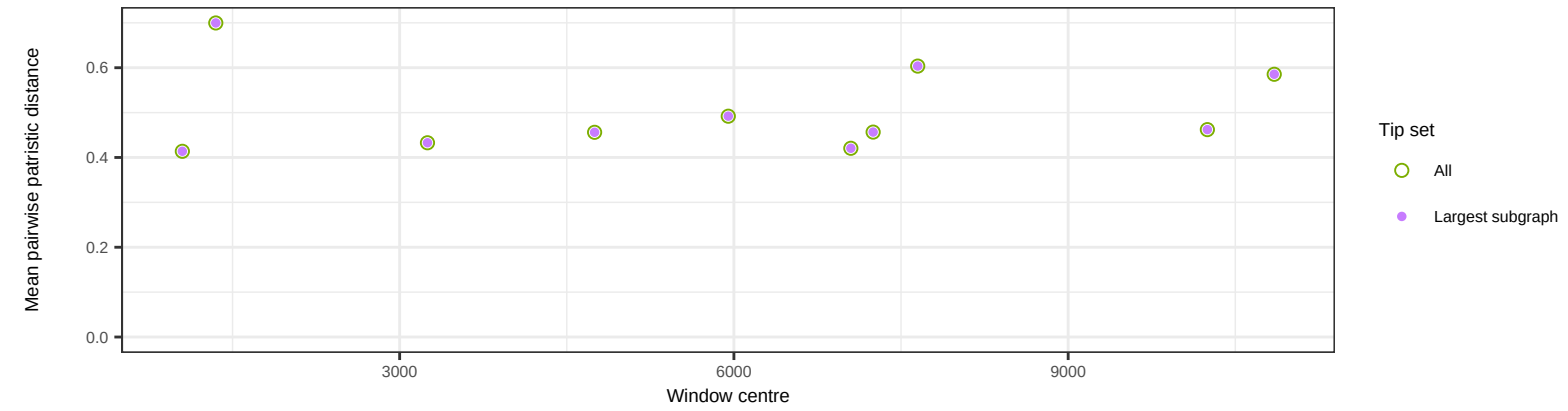

Mean pairwise patristic distance
0.9
0.6
0.3
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

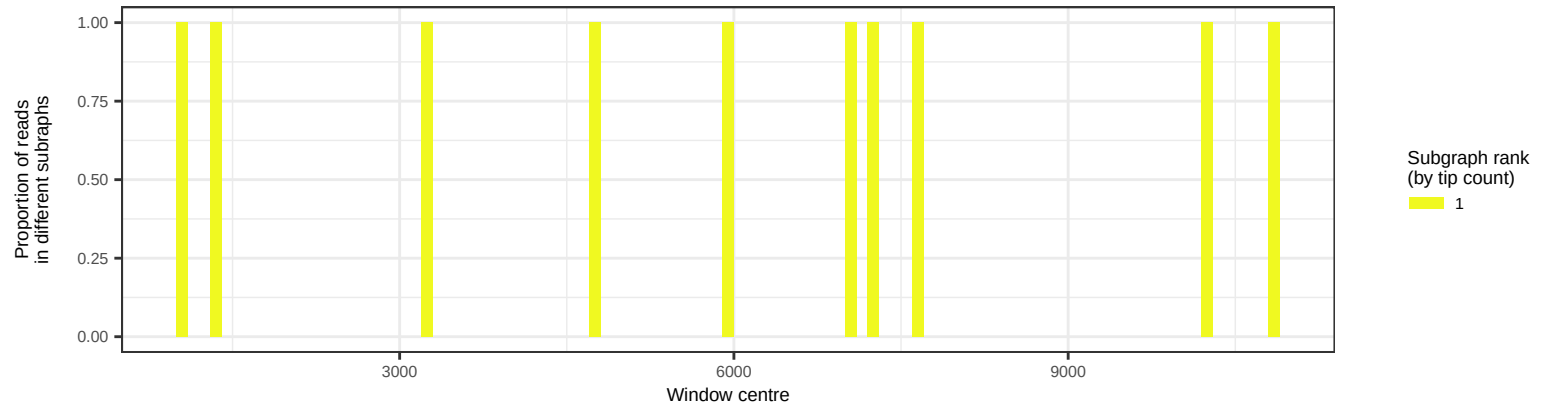

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1


10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

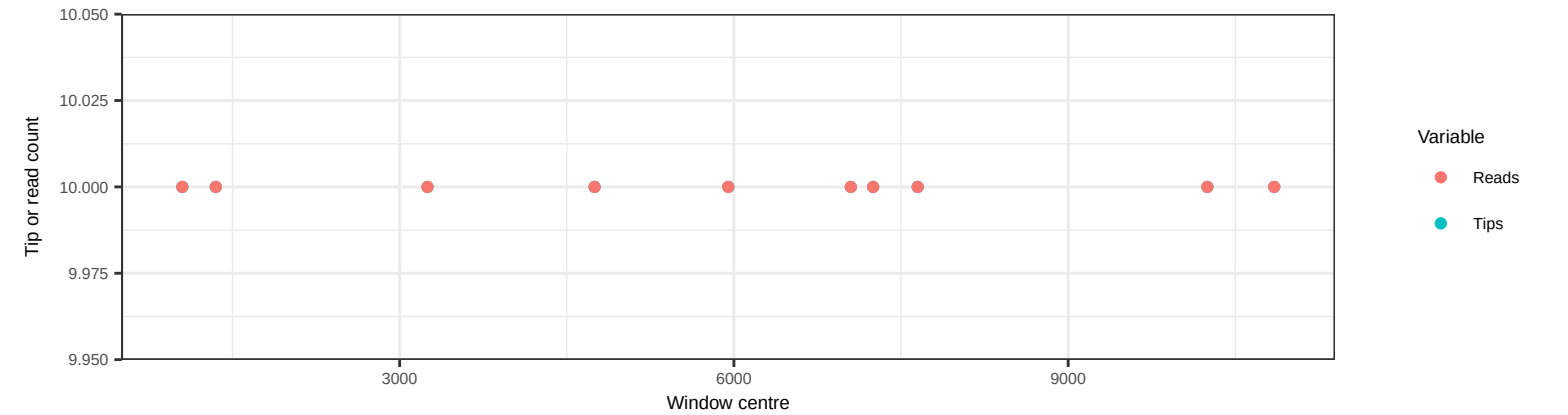

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

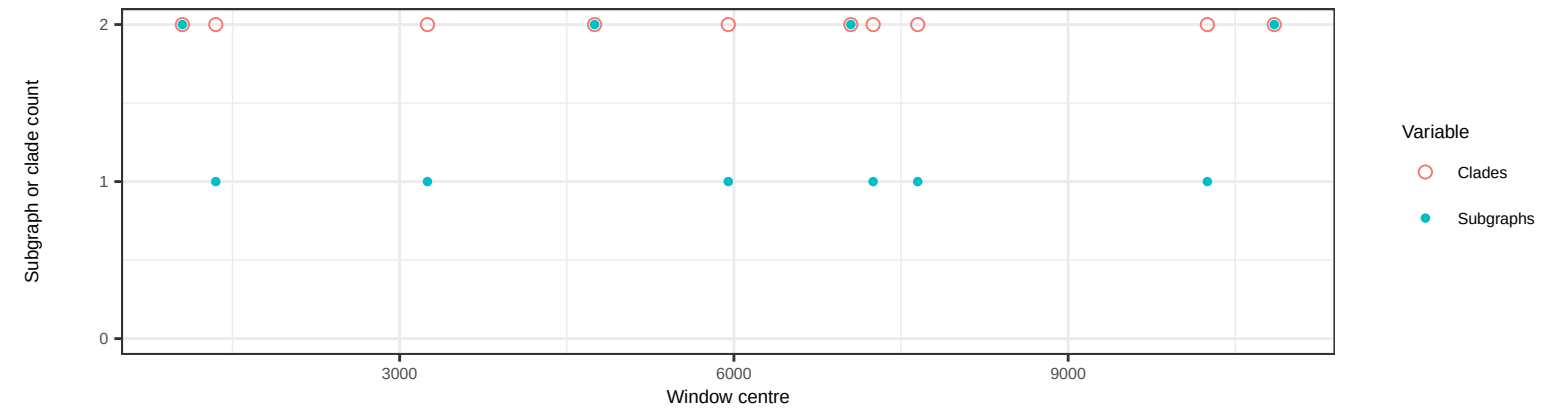

0.4
0.2
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

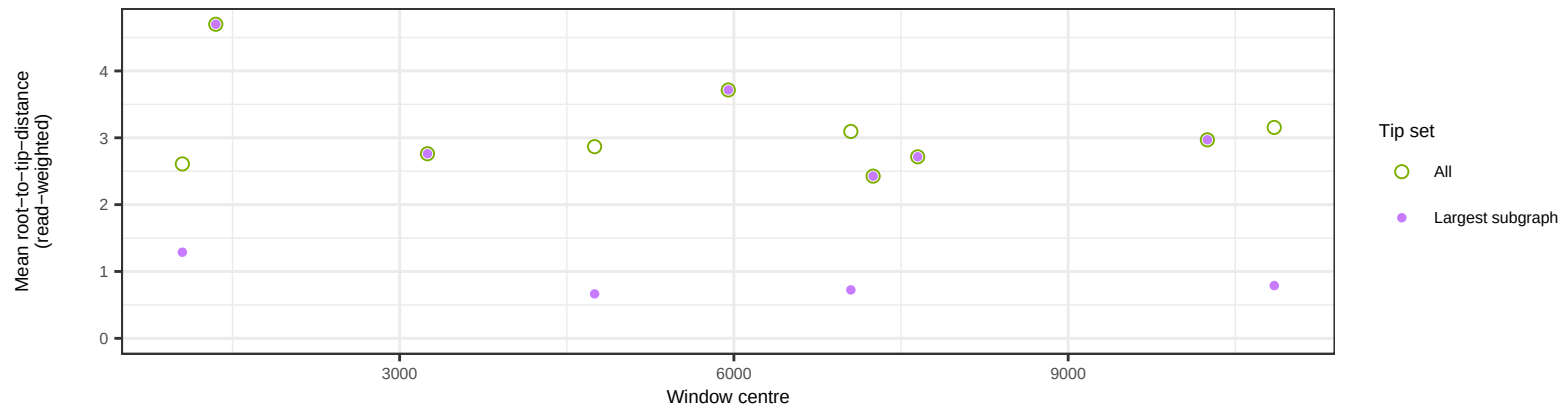

0.6
0.4
0.2
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

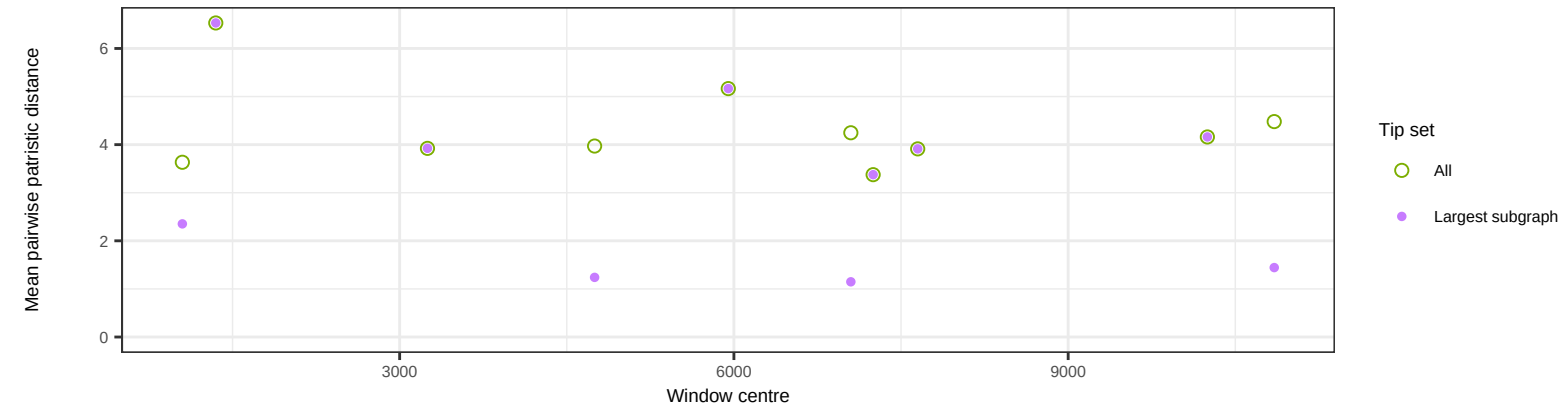

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

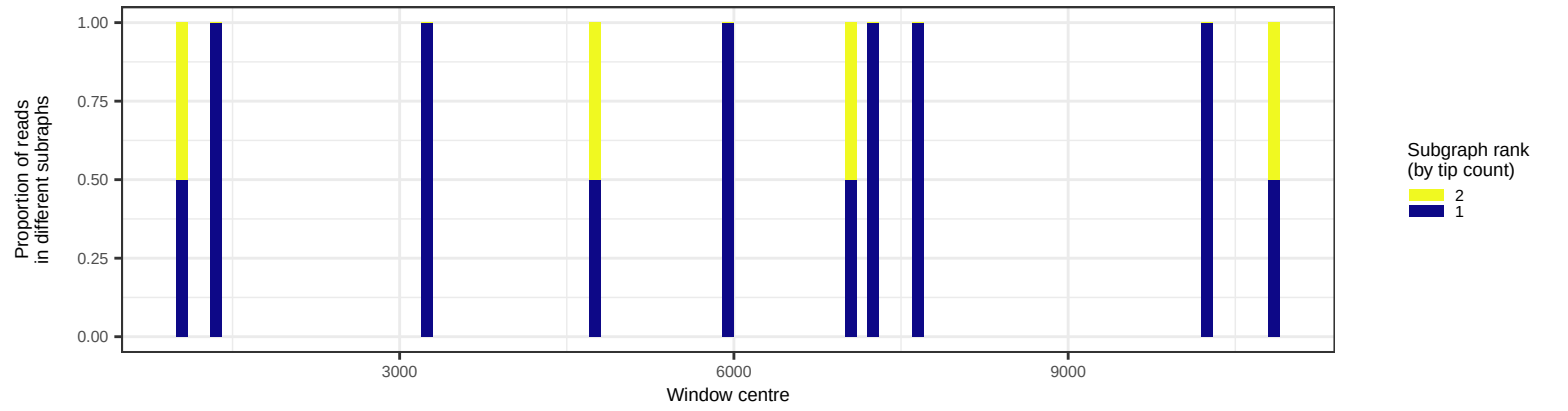
785


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

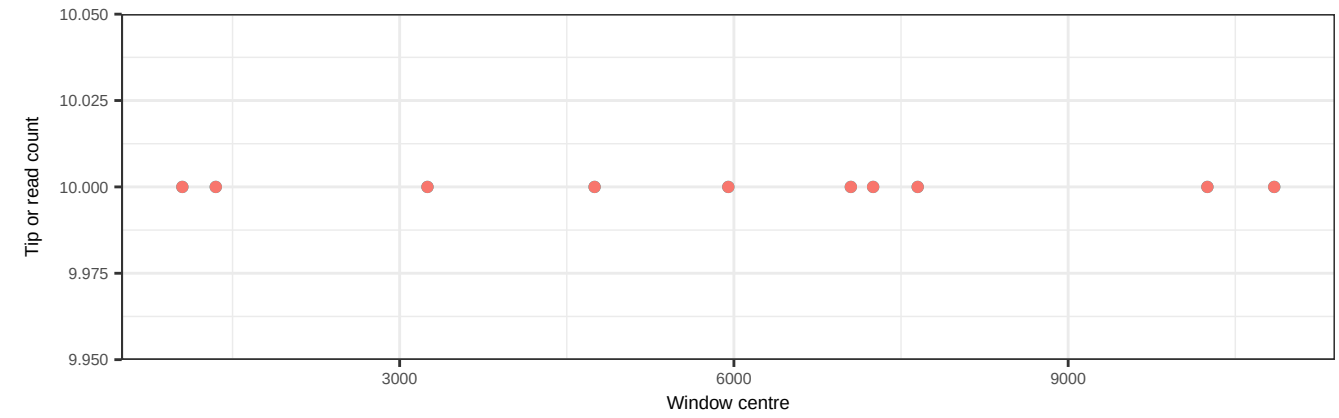

Subgraph or clade count
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

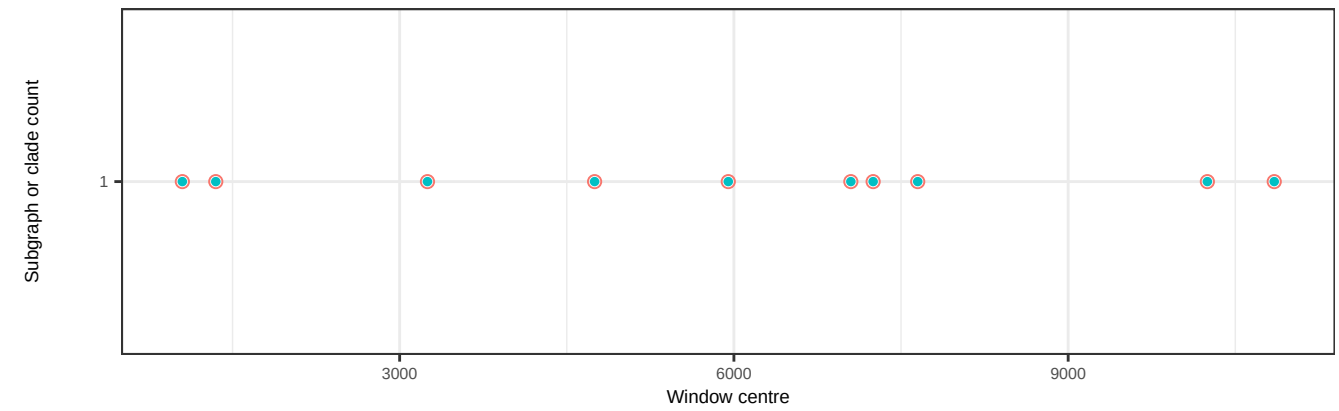

Mean root−to−tip−distance
(read−weighted)
4
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

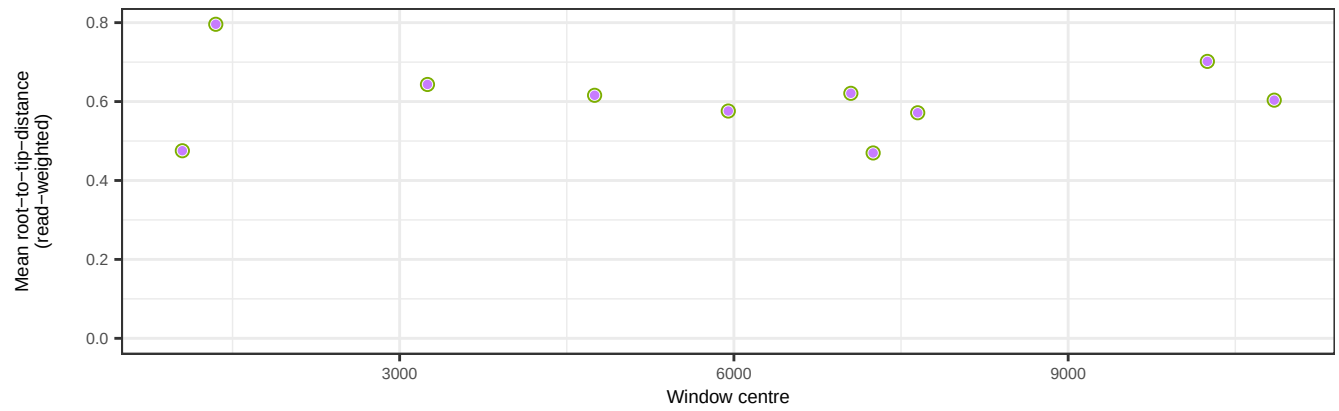

Mean pairwise patristic distance
6
4
2
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

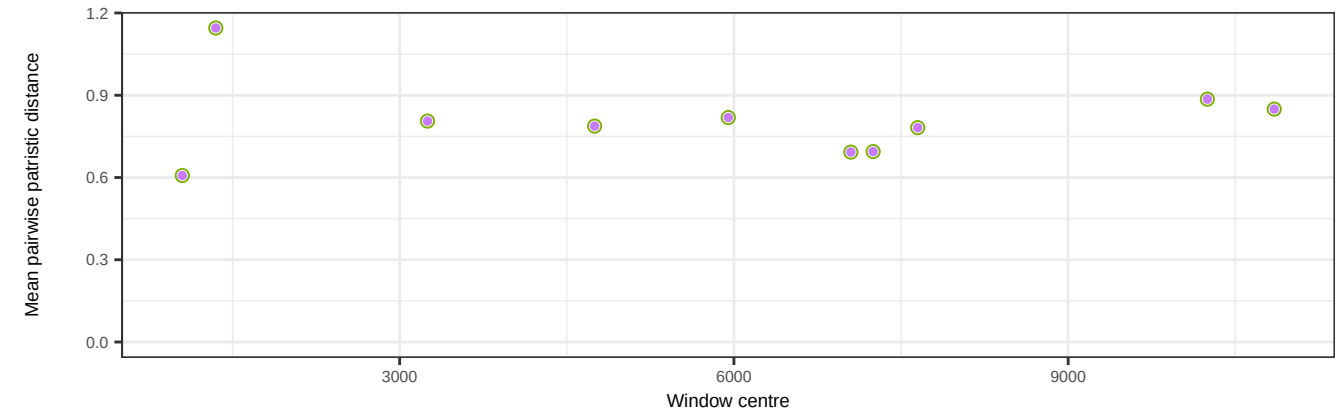

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
2
1

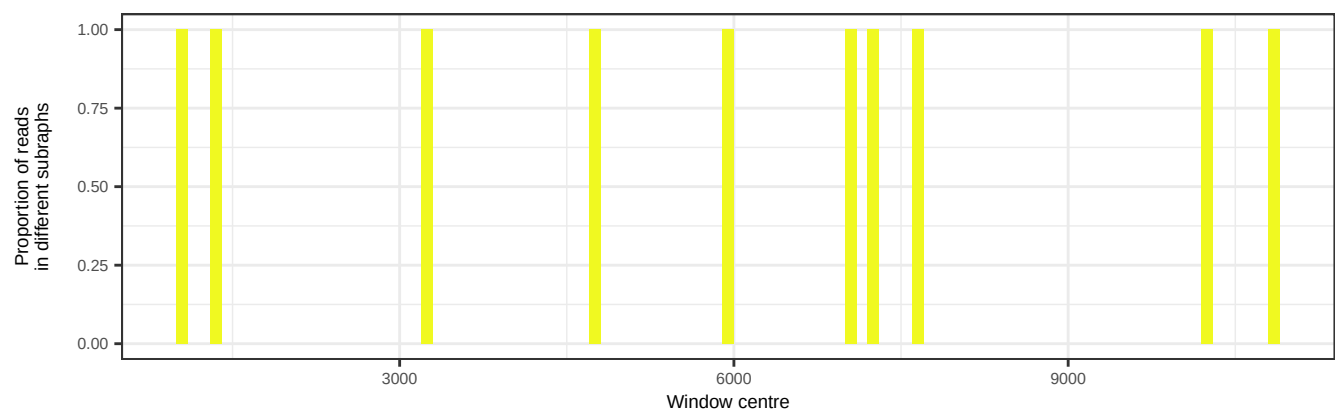
787

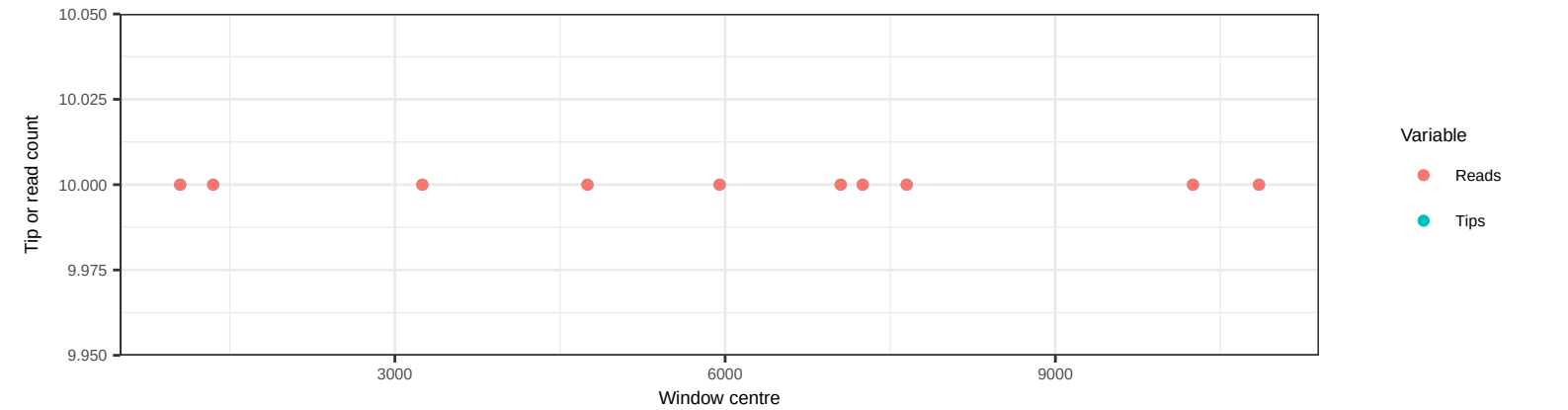

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

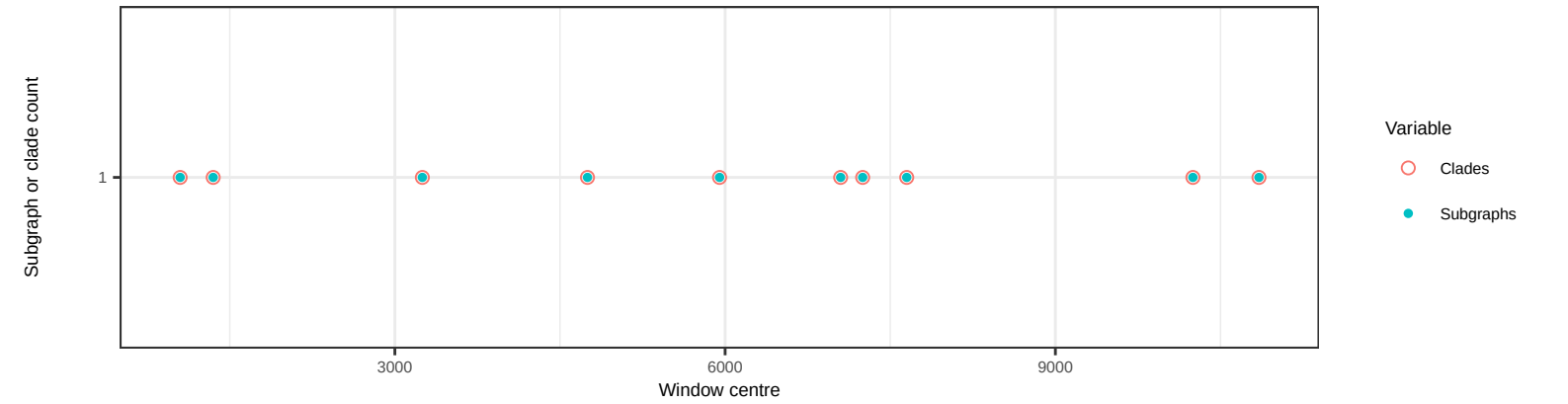

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

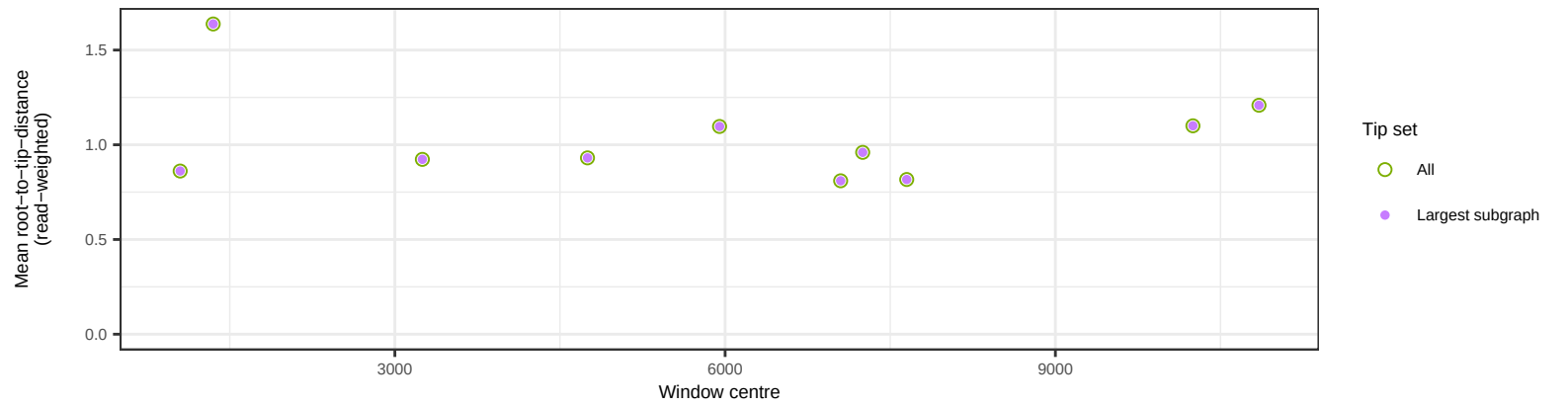

Mean root−to−tip−distance
(read−weighted)
0.8
0.6
0.4
0.2
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

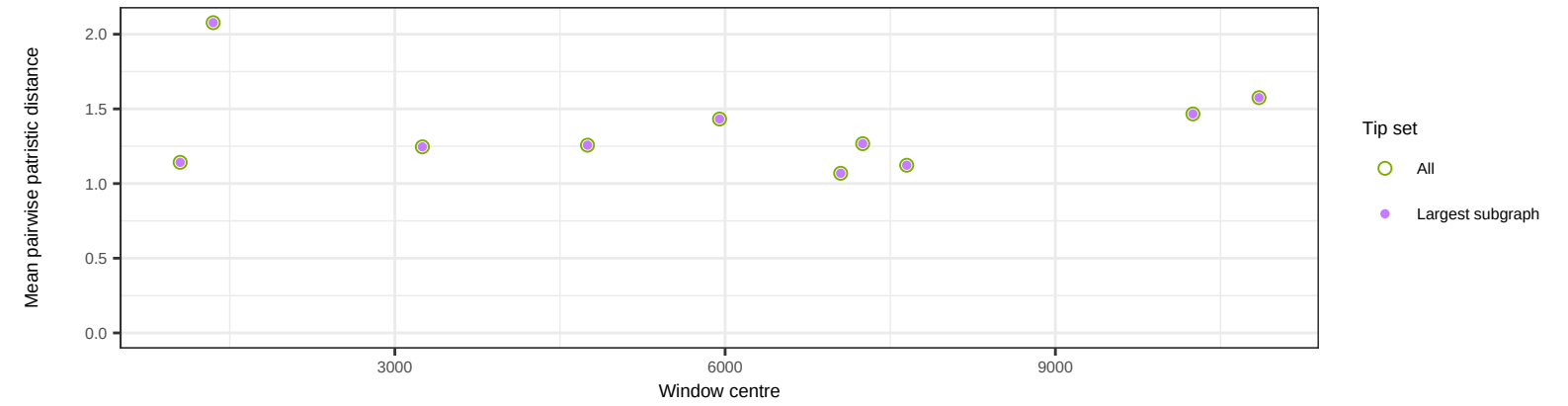

Mean pairwise patristic distance
1.2
0.9
0.6
0.3
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

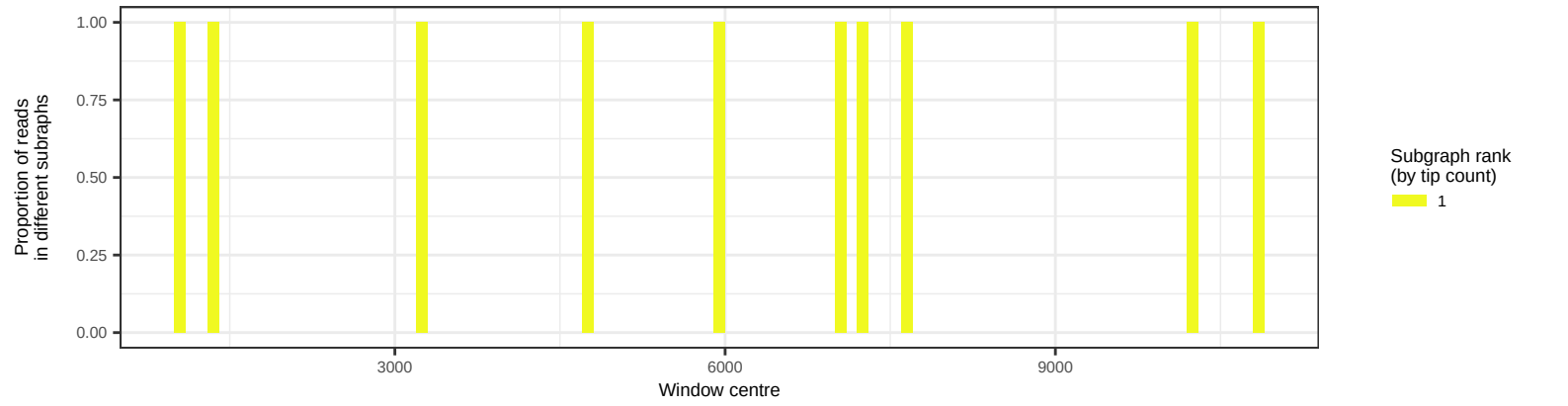

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

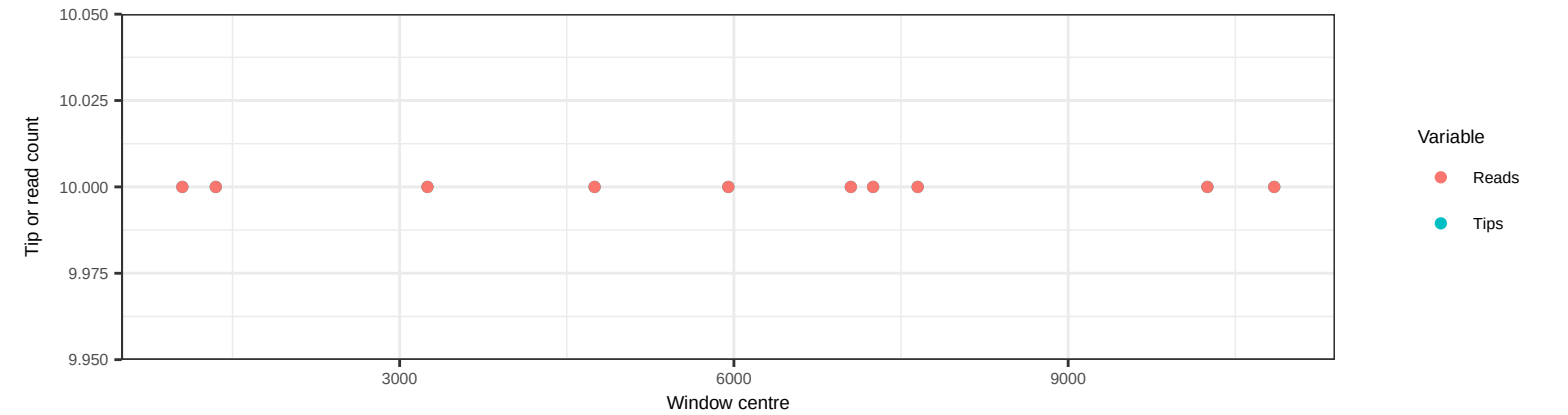

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

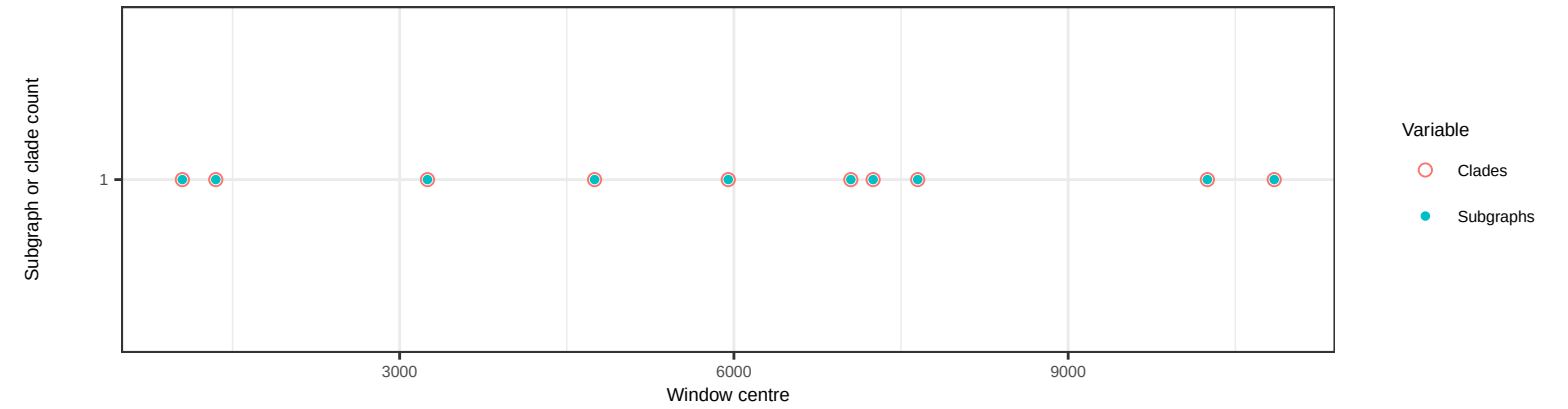

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

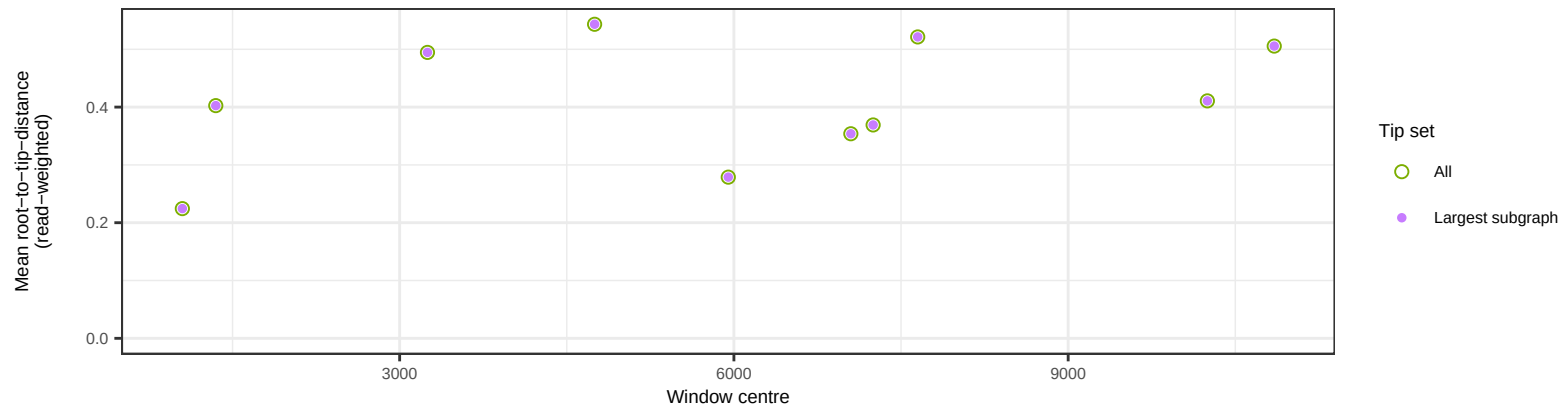

1.5
1.0
0.5
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

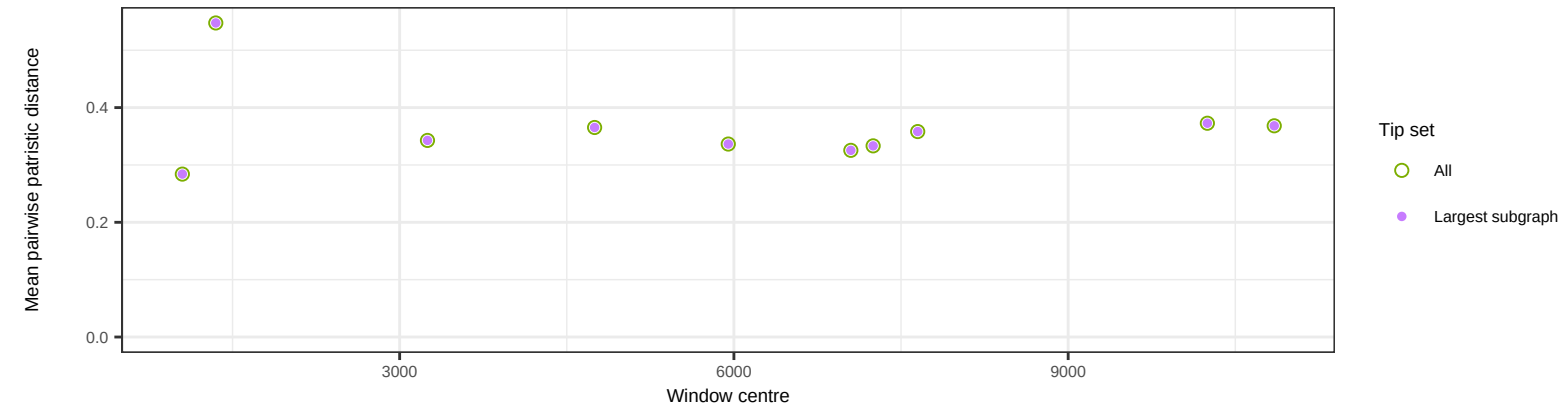

2.0
1.5
1.0
0.5
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

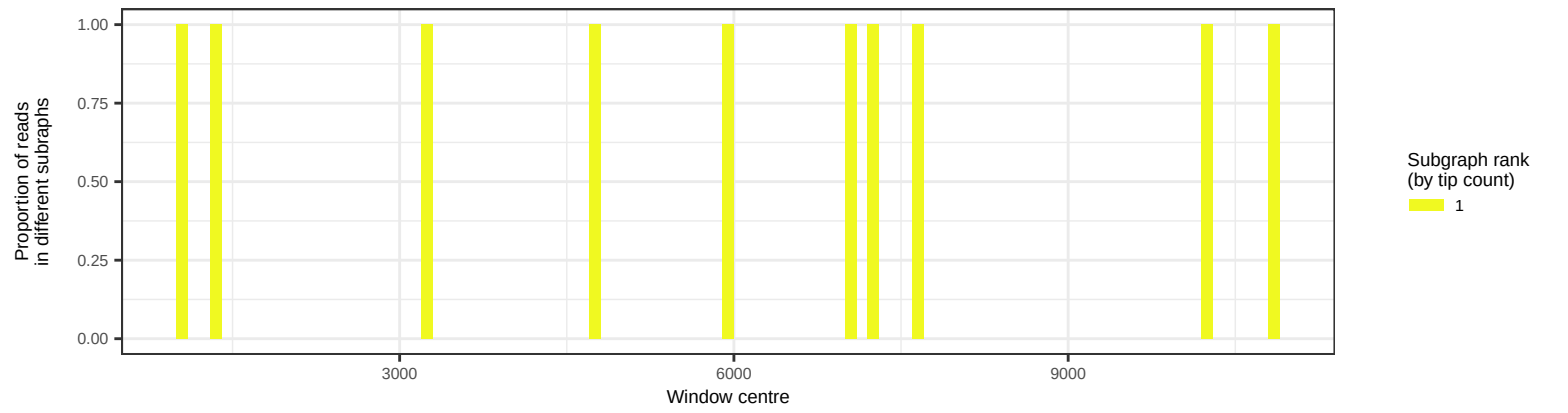

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

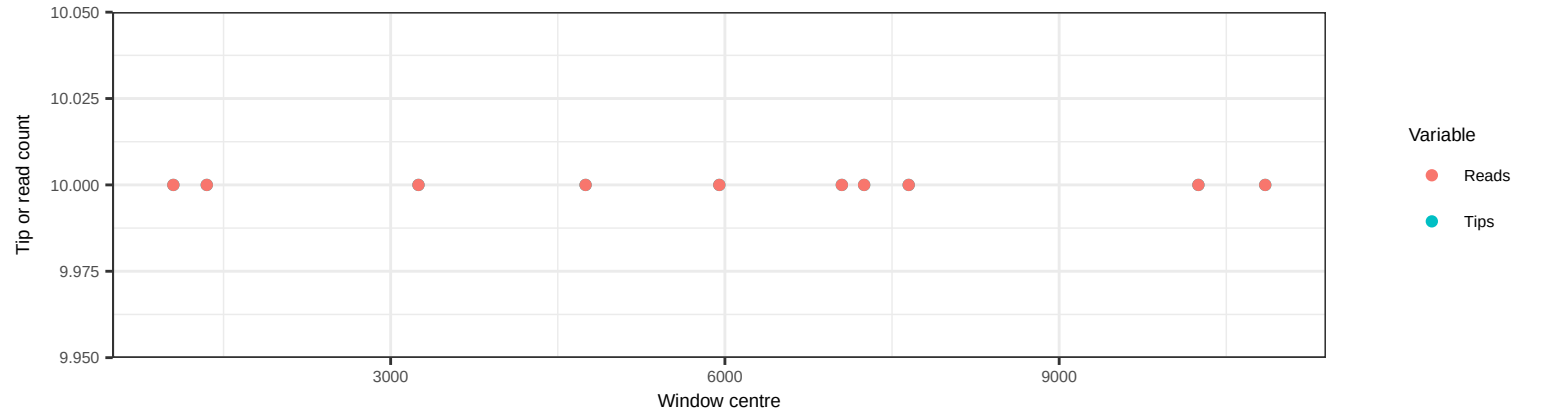

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

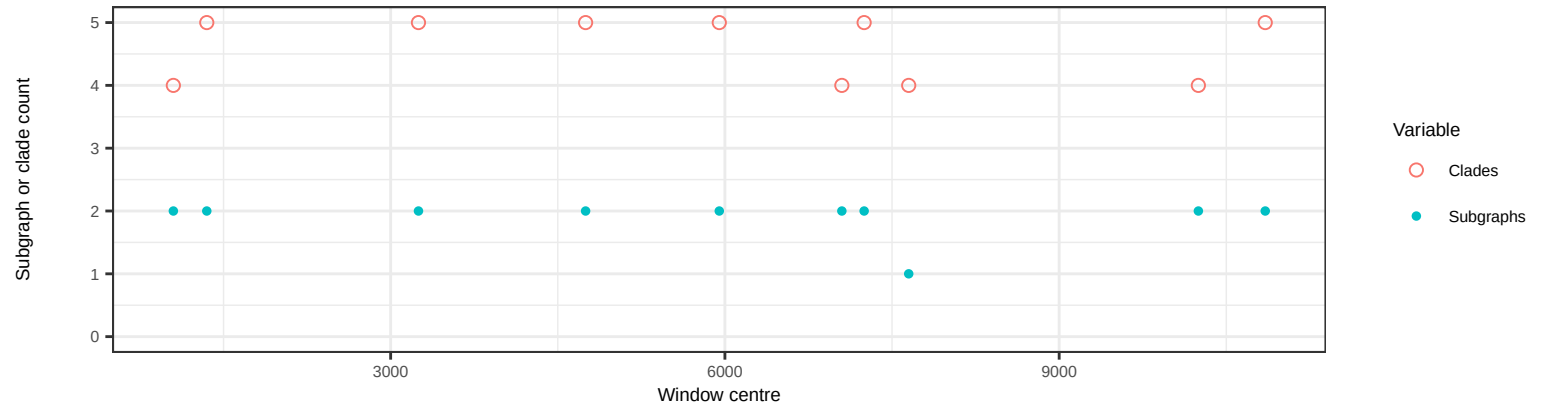

Mean root−to−tip−distance
(read−weighted)
0.4
0.2
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

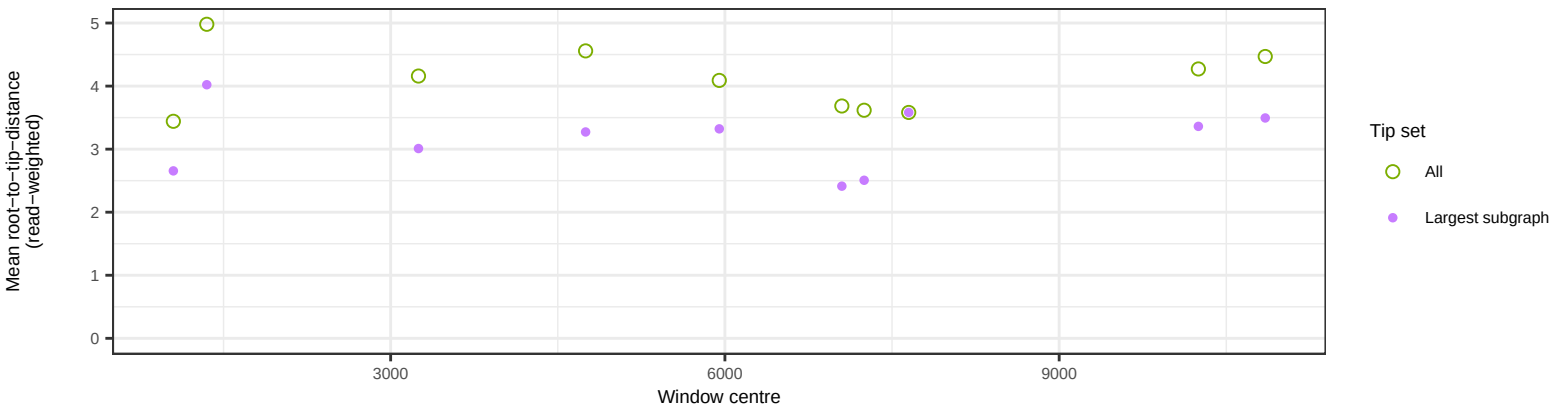

Mean pairwise patristic distance
0.4
0.2
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

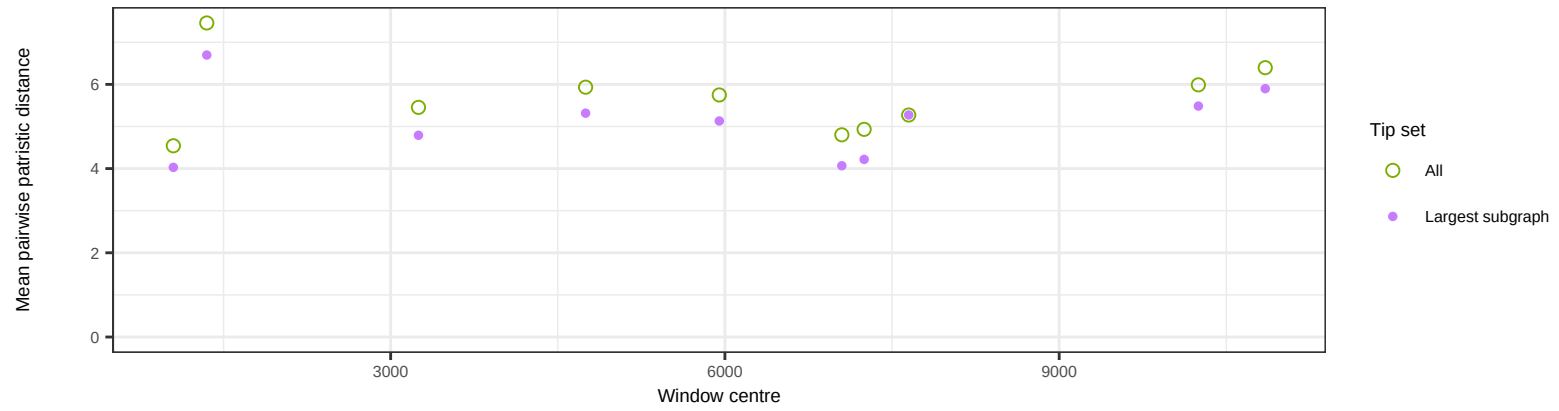

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

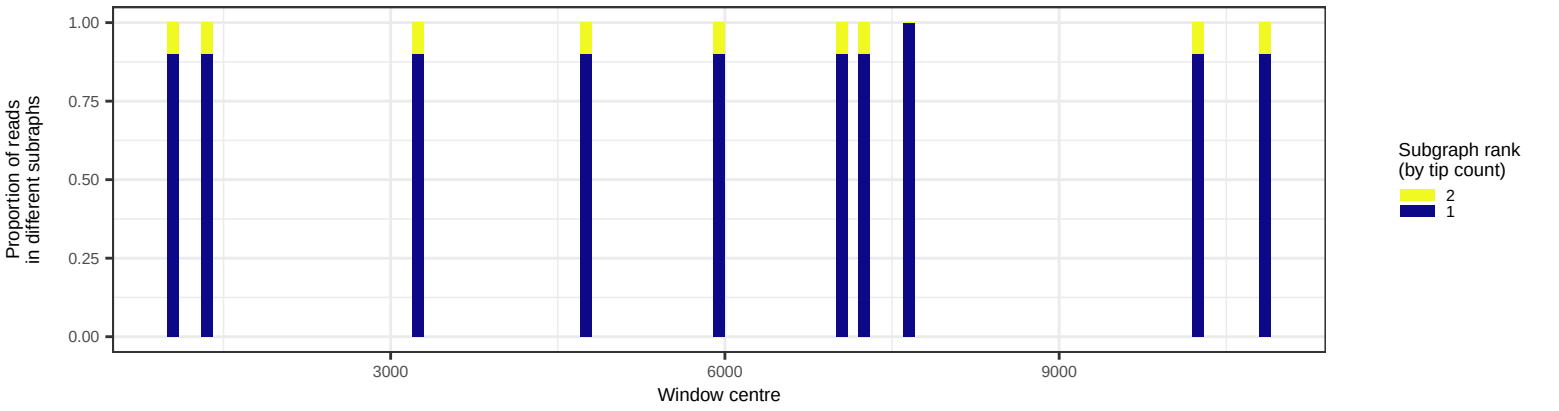
822


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

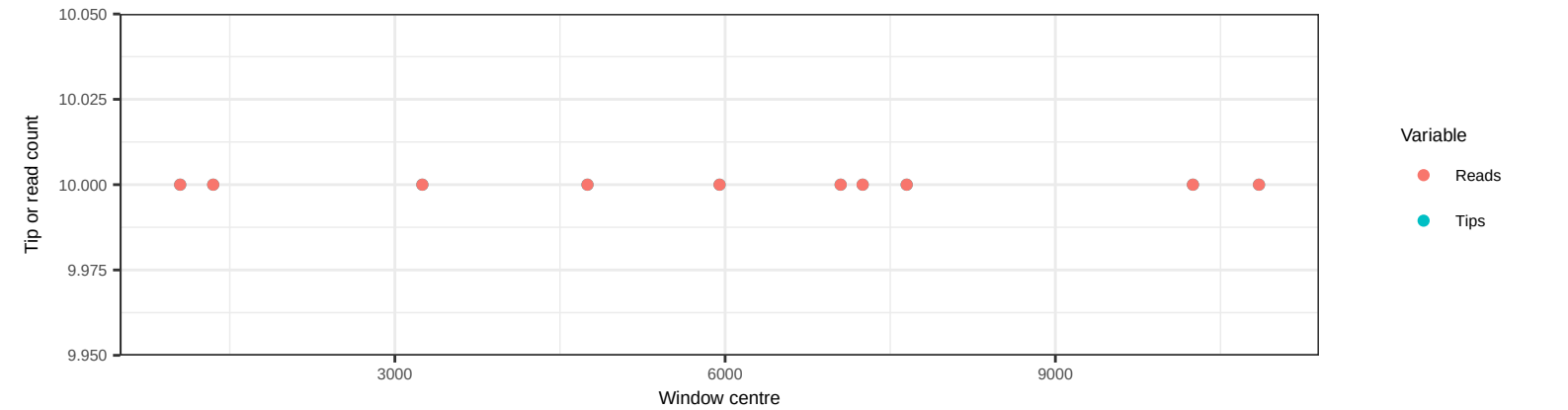

Subgraph or clade count
5
4
3
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

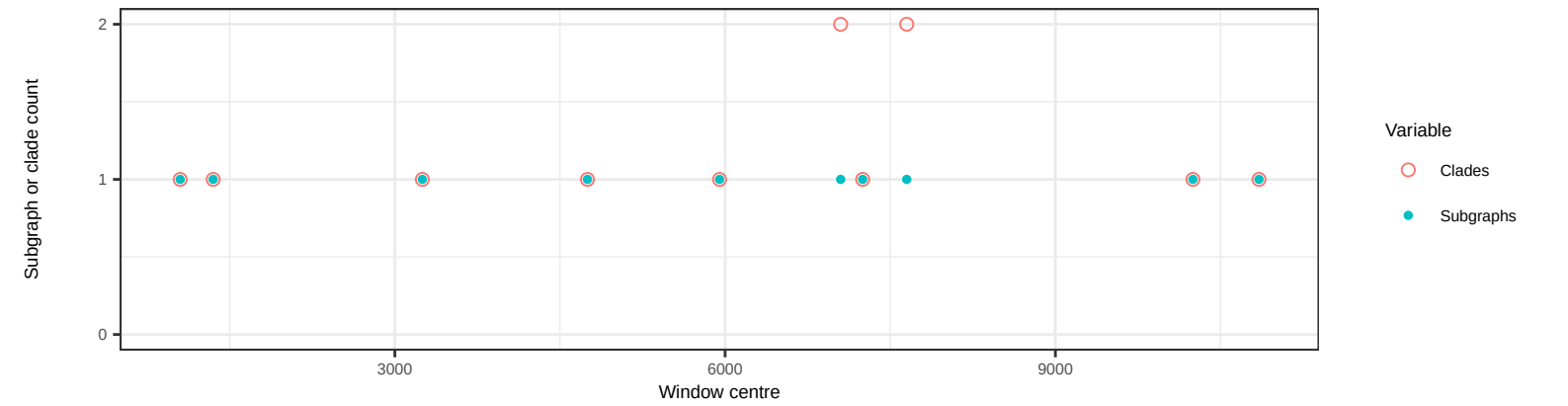

Mean root−to−tip−distance
(read−weighted)
5
4
3
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

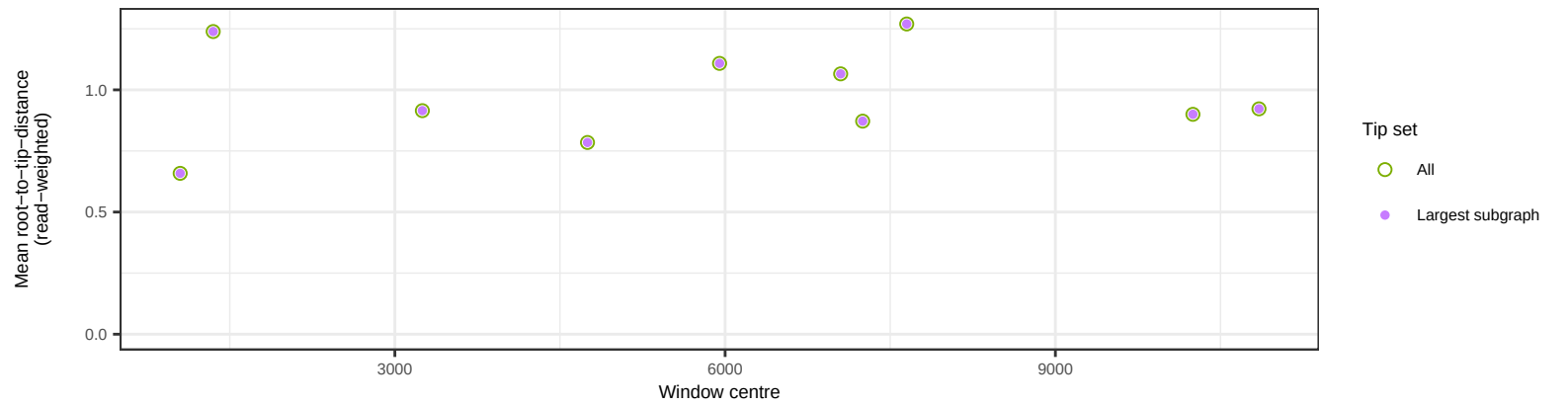

Mean pairwise patristic distance
6
4
2
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

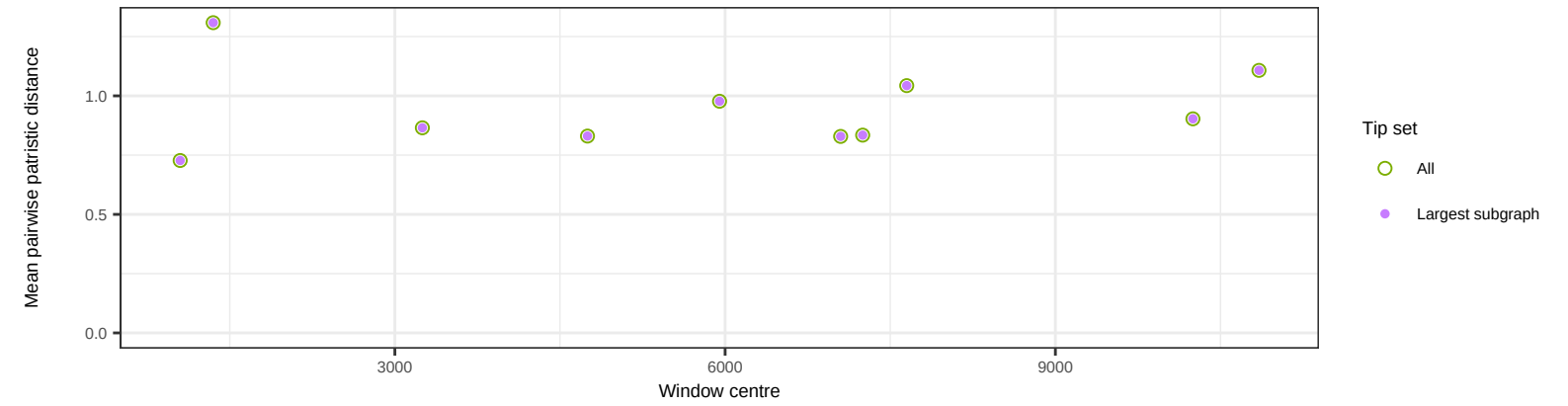

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
2
1

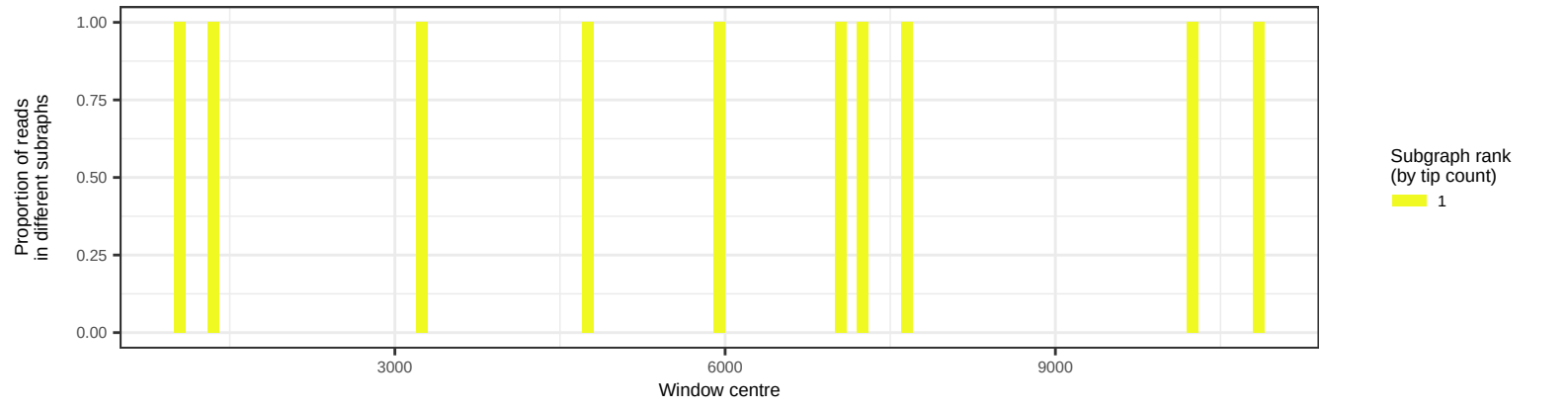
830


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

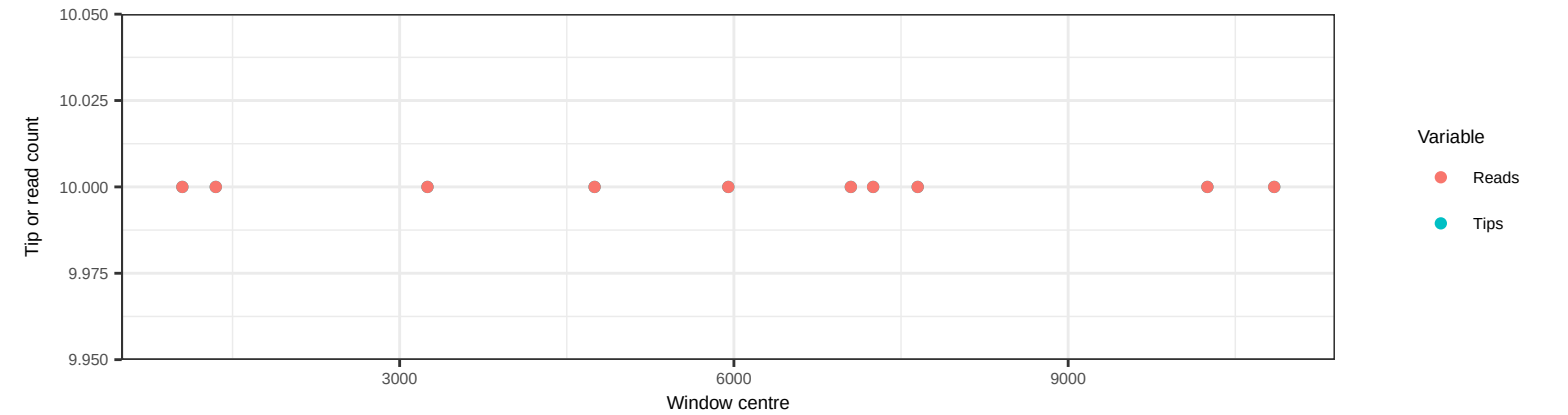

Subgraph or clade count
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

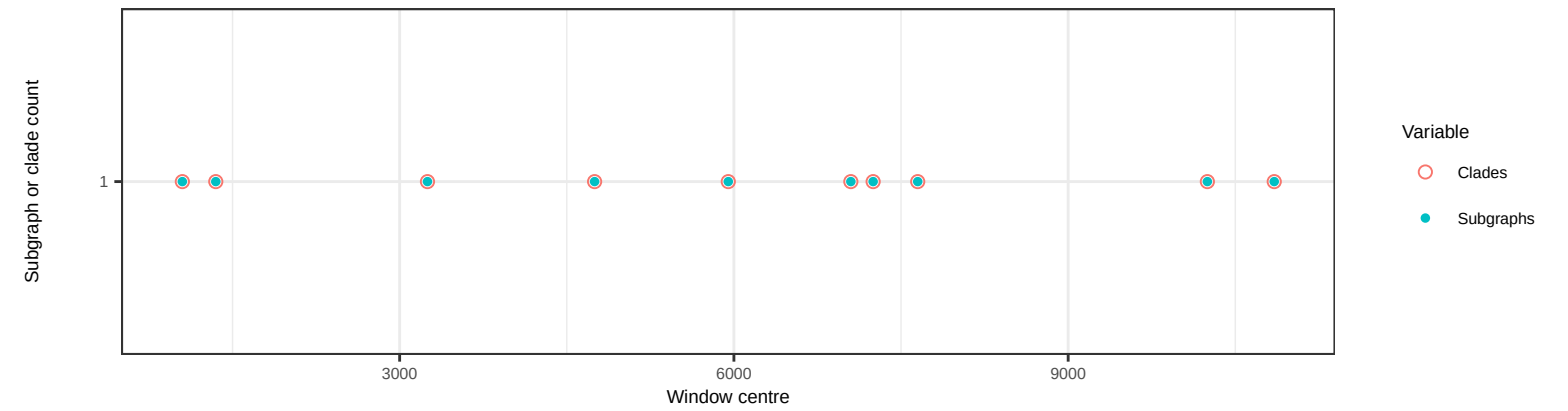

Mean root−to−tip−distance
(read−weighted)
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

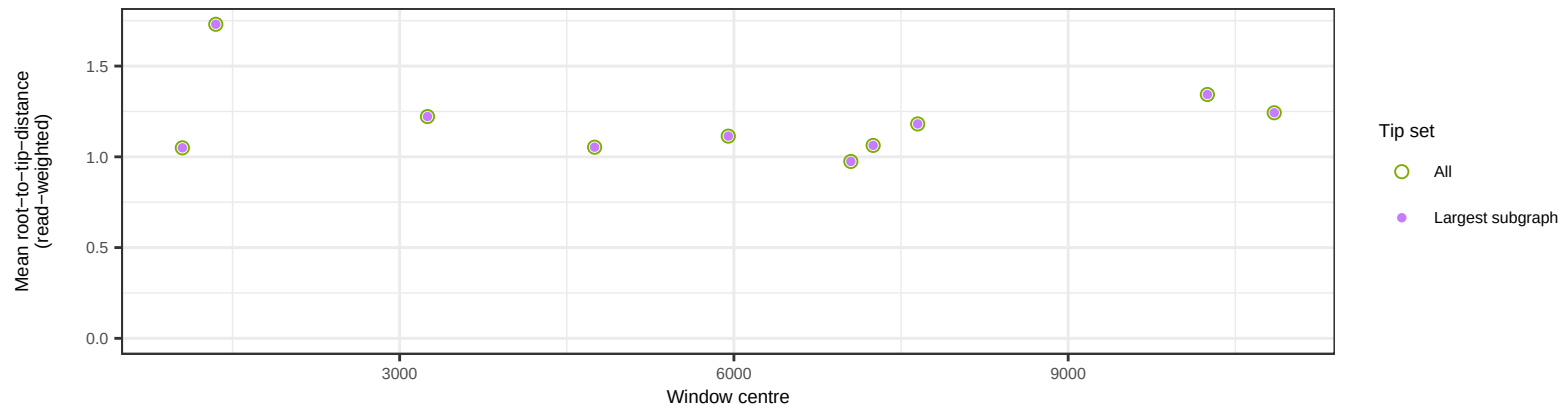

Mean pairwise patristic distance
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

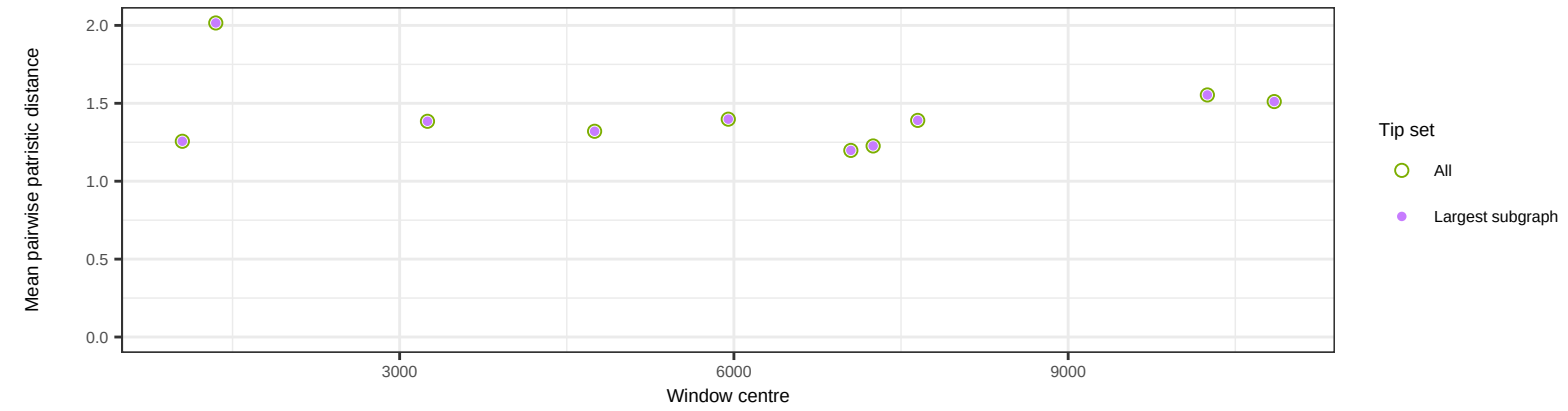

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

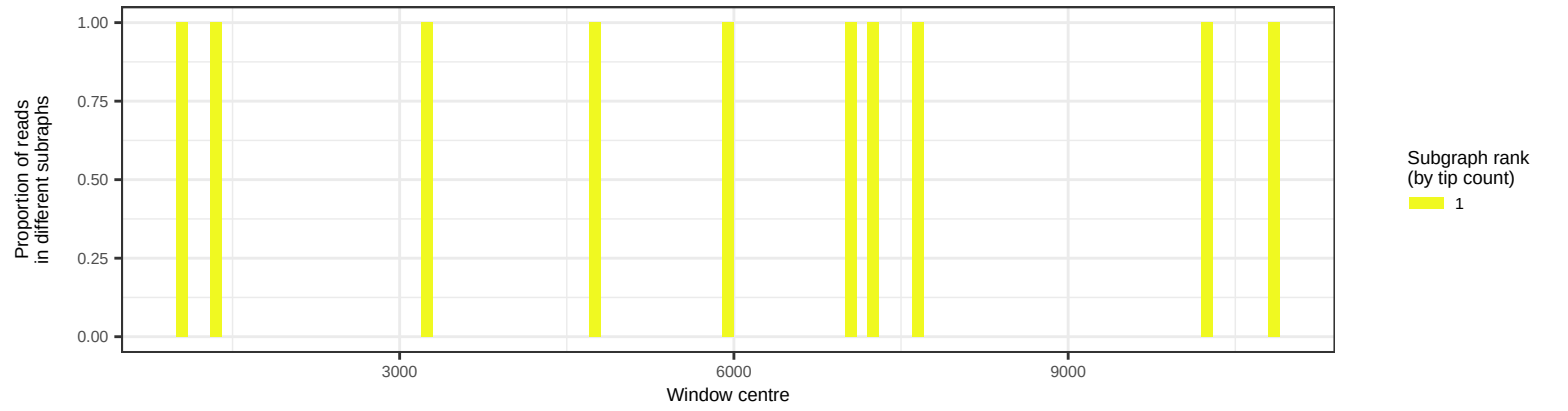
862

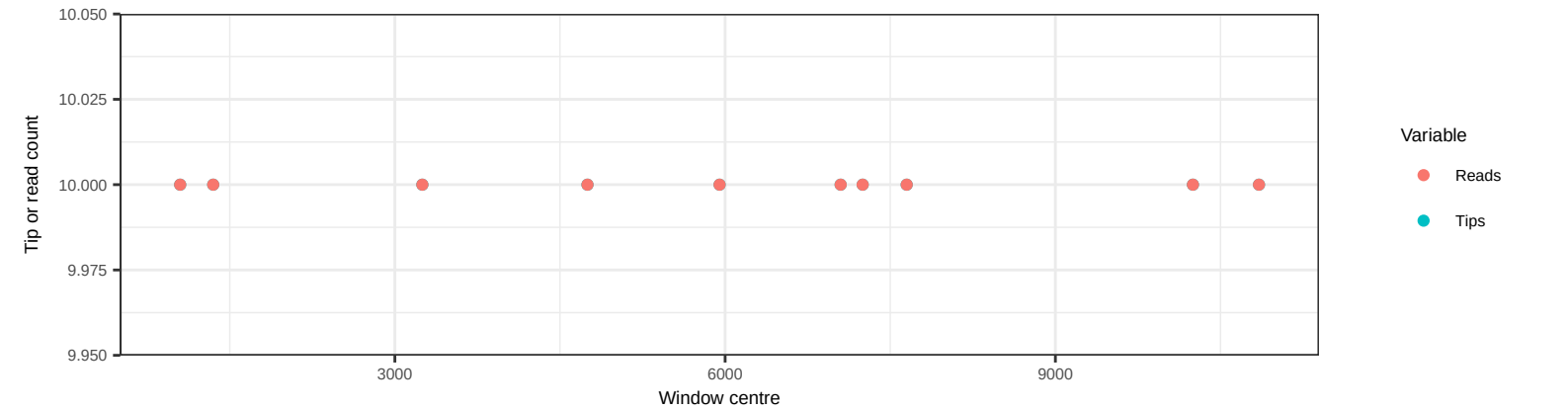

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

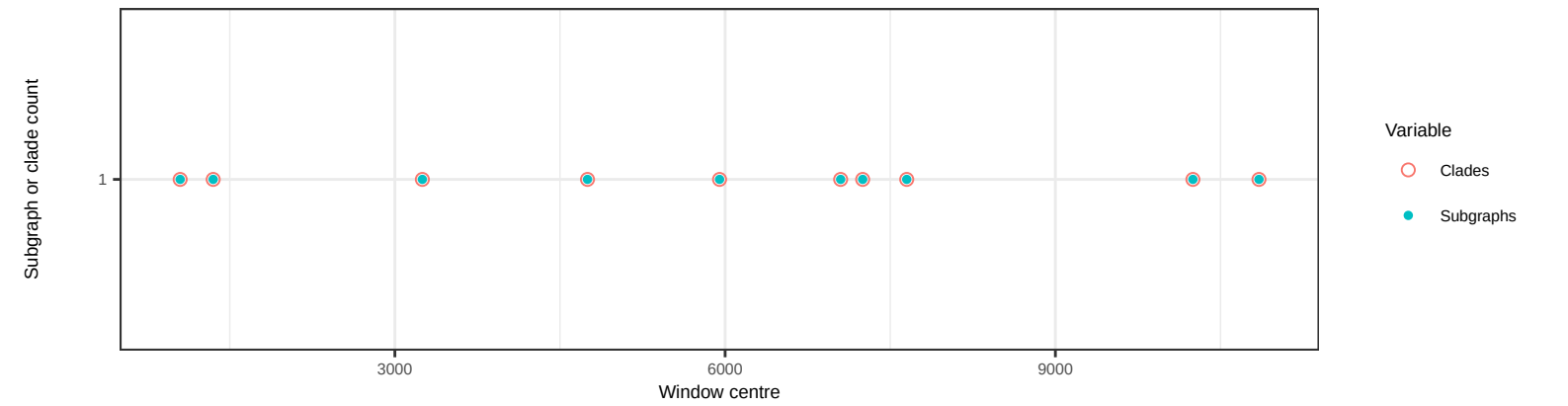

Subgraph or clade count
1
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

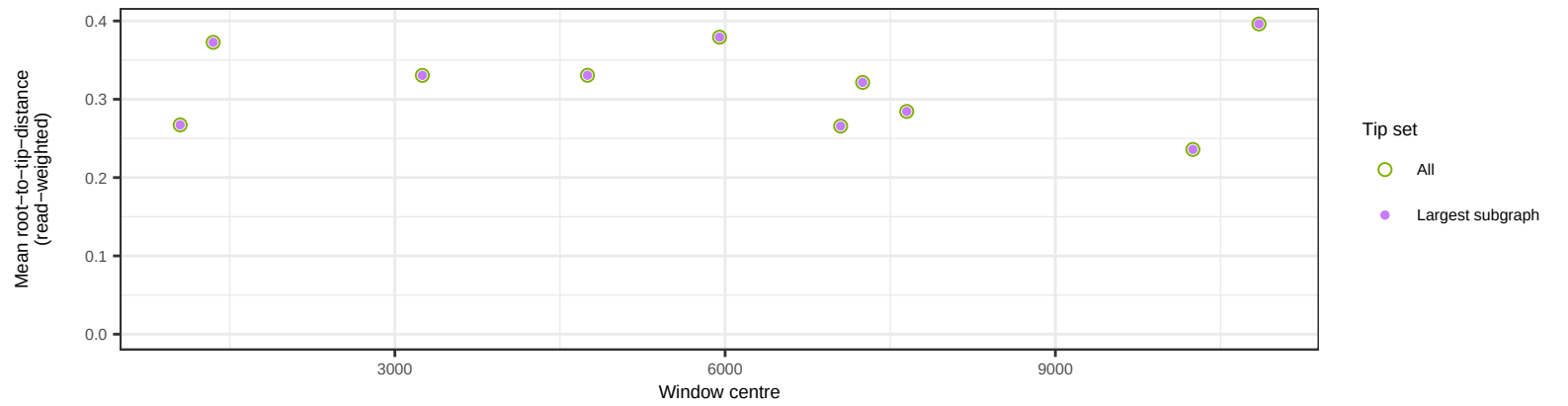

Mean root−to−tip−distance
(read−weighted)
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

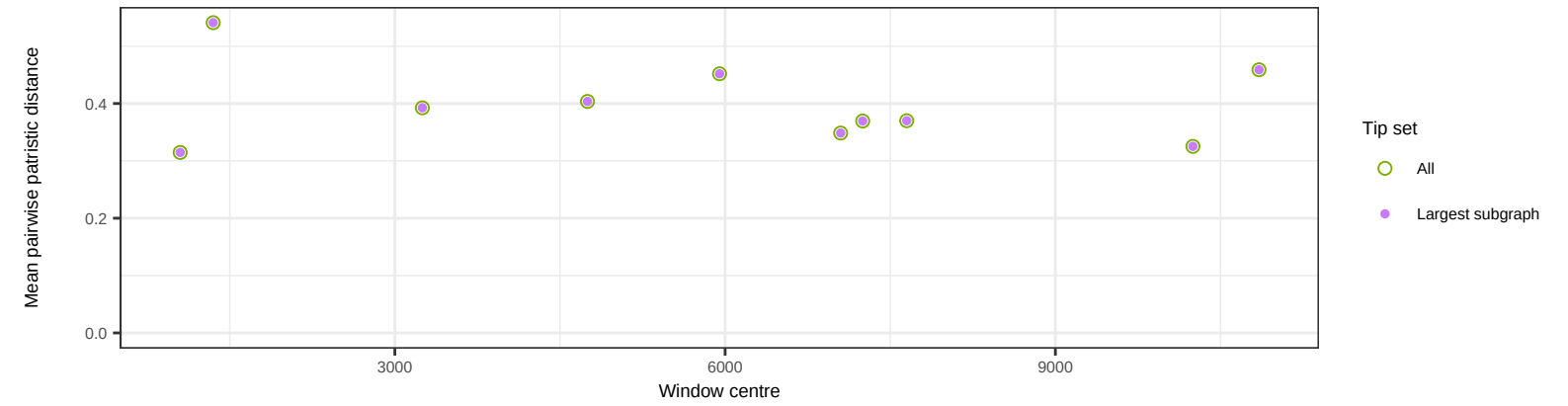

Mean pairwise patristic distance
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

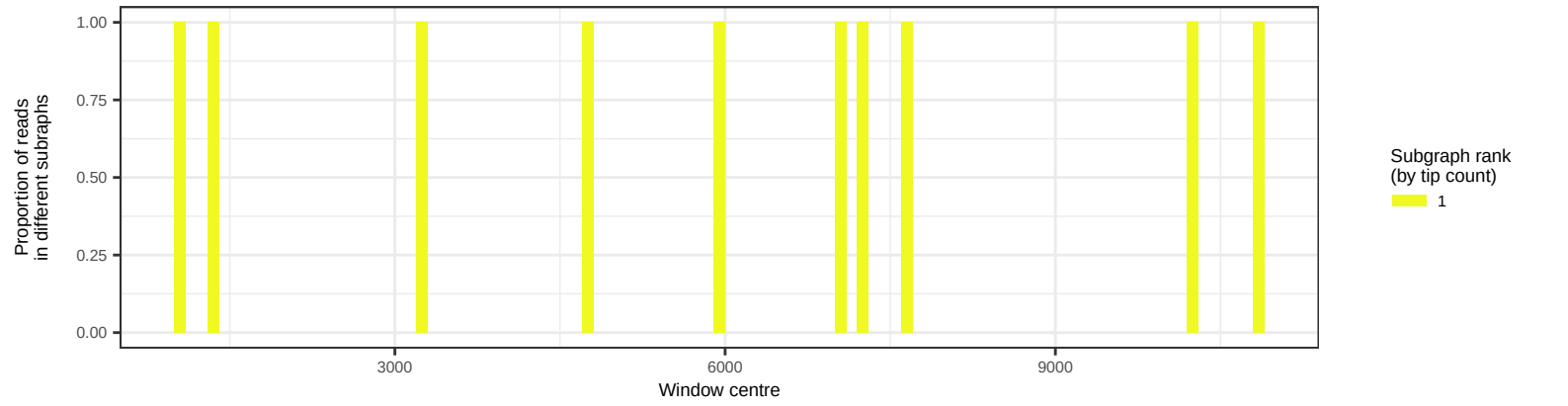

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

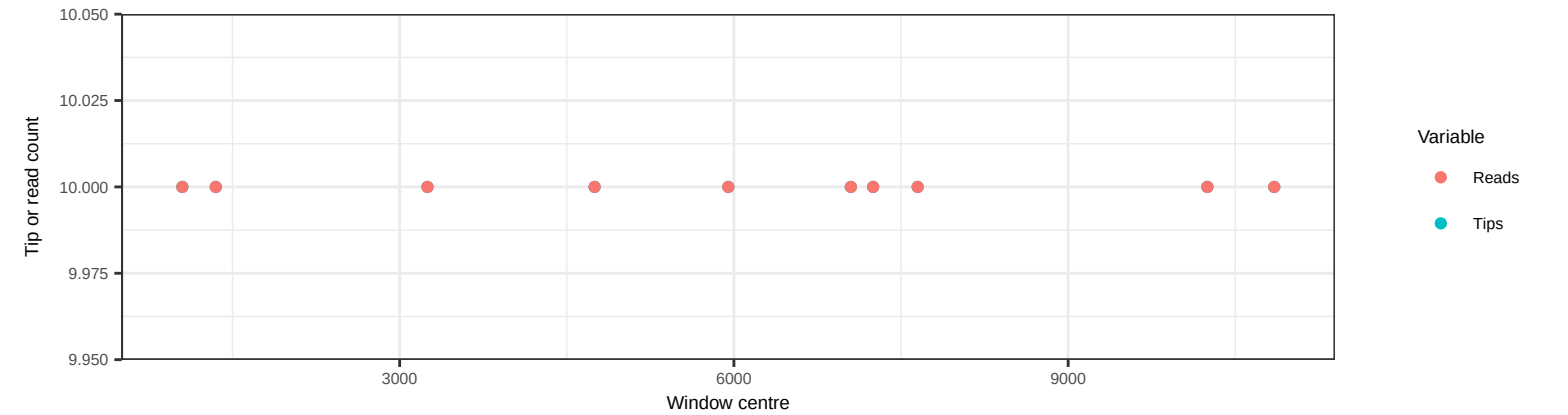

10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips

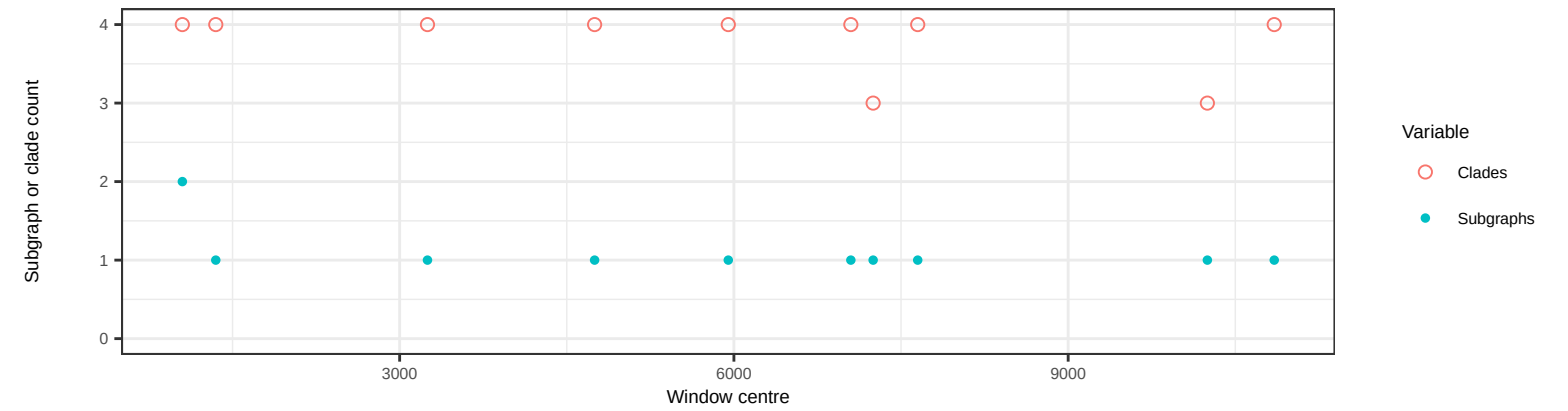

1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

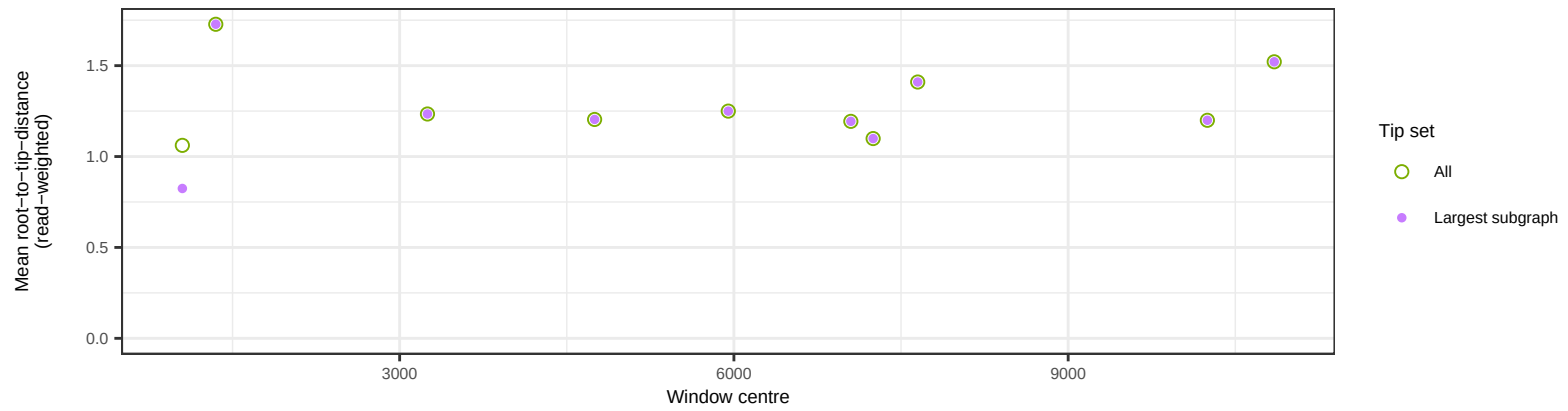

0.4
0.3
0.2
0.1
0.0
Mean root−to−tip−distance
(read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

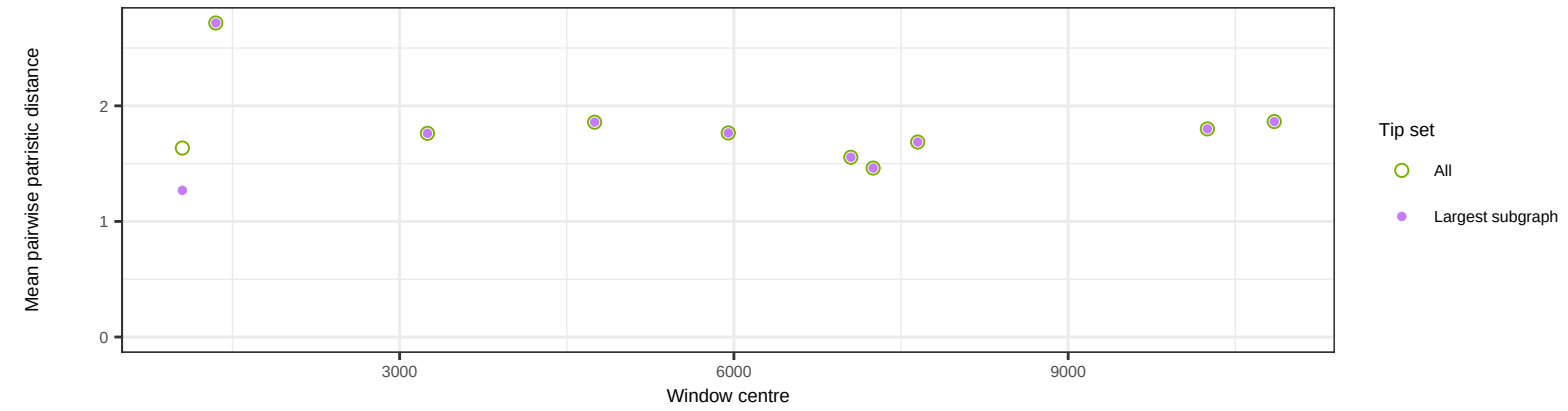

0.4
0.2
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

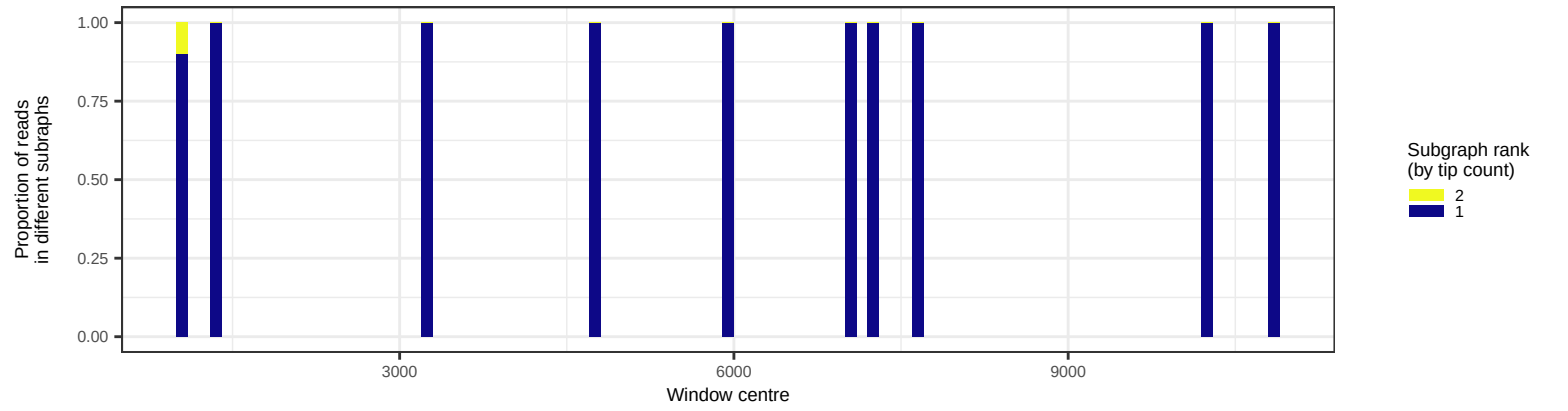

1.00
0.75
0.50
0.25
0.00
Proportion of reads
in different subraphs
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

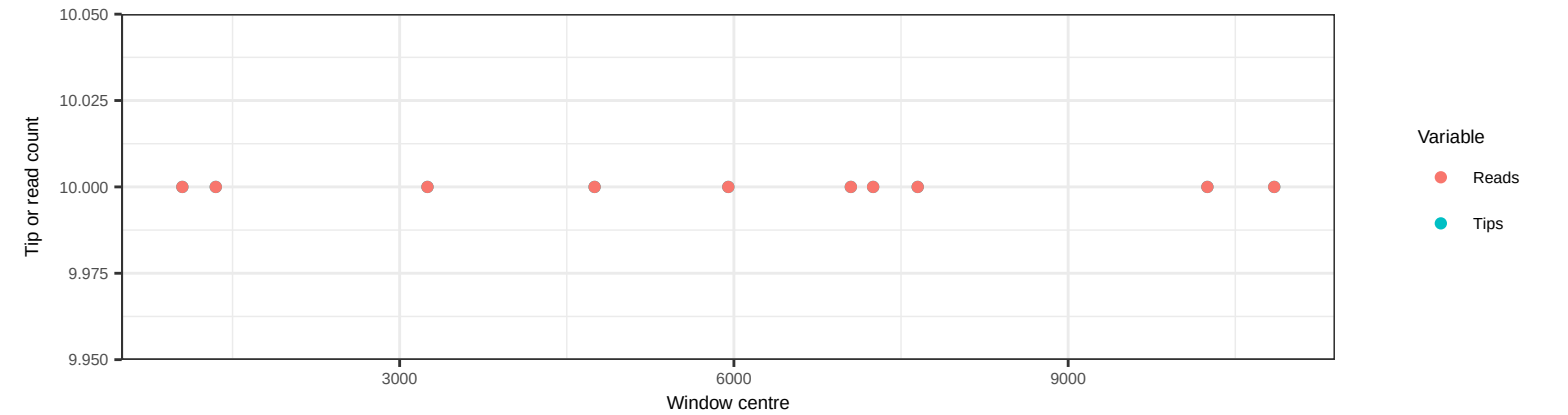

Subgraph or clade count
4
3
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

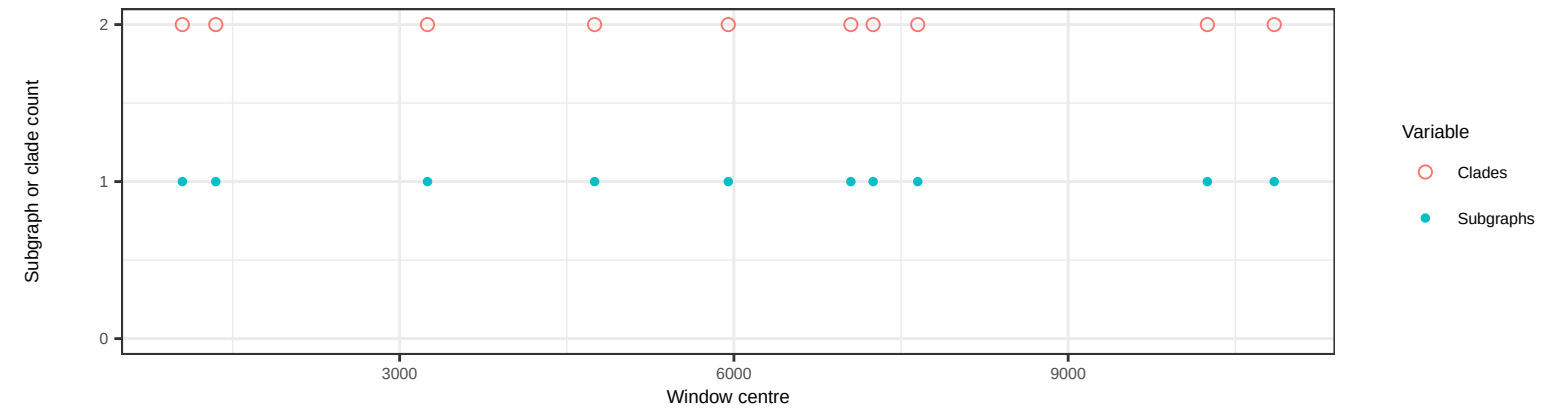

Mean root−to−tip−distance
(read−weighted)
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

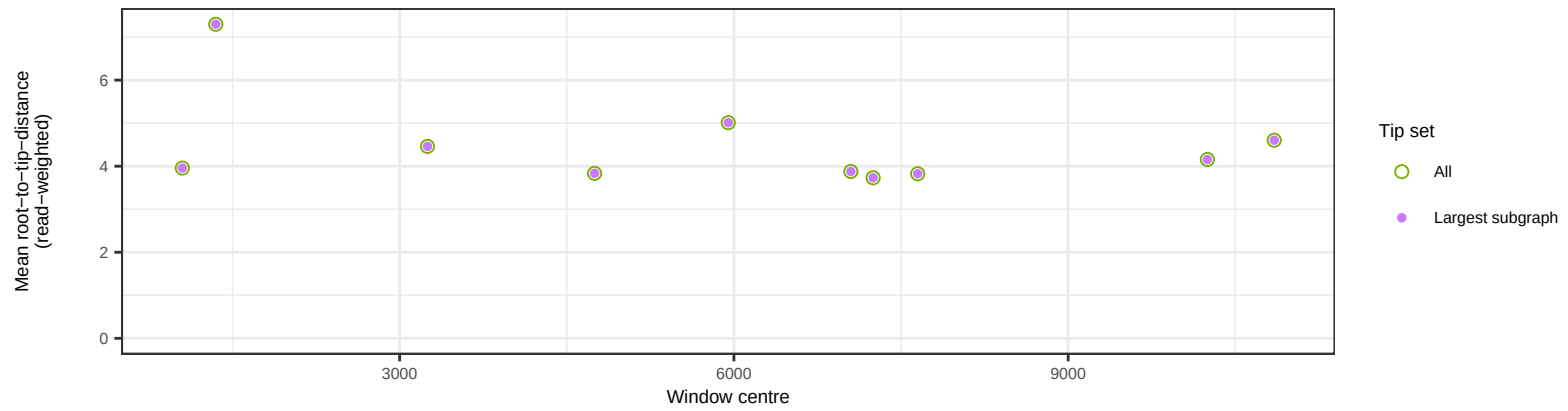

Mean pairwise patristic distance
2
1
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

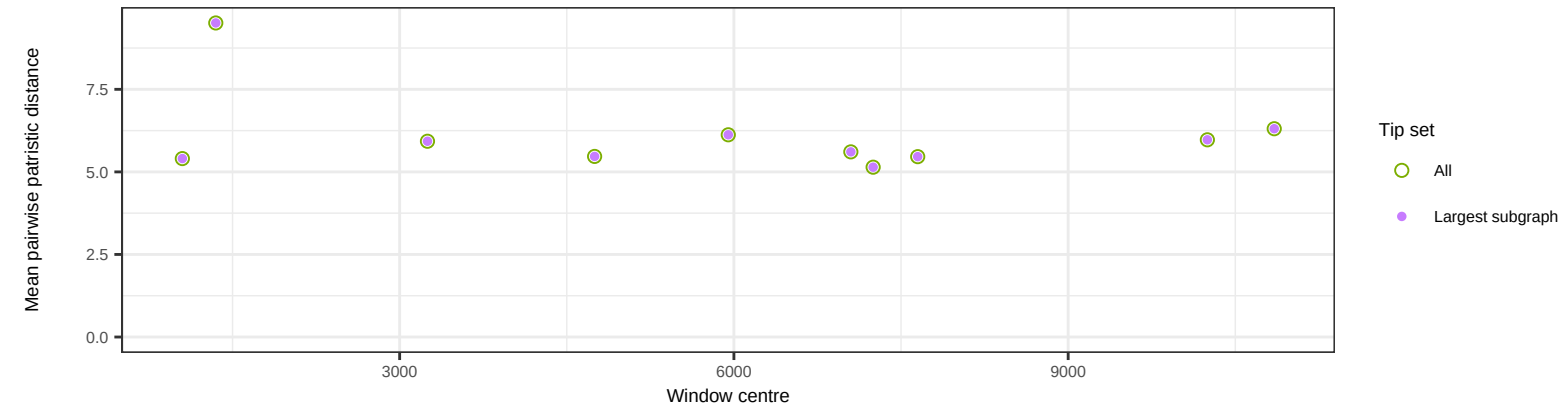

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
2
1

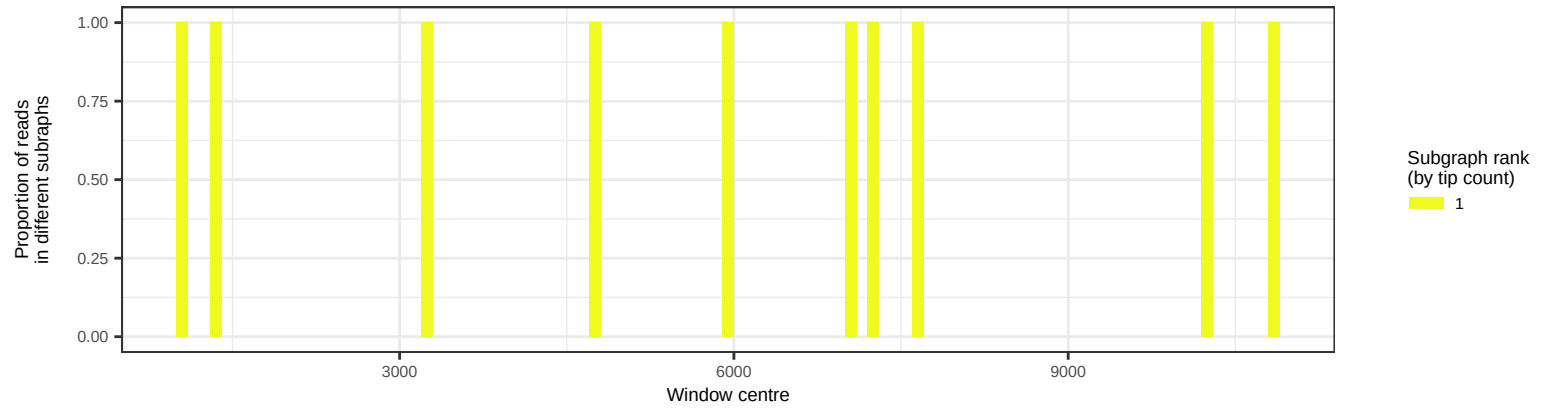
910

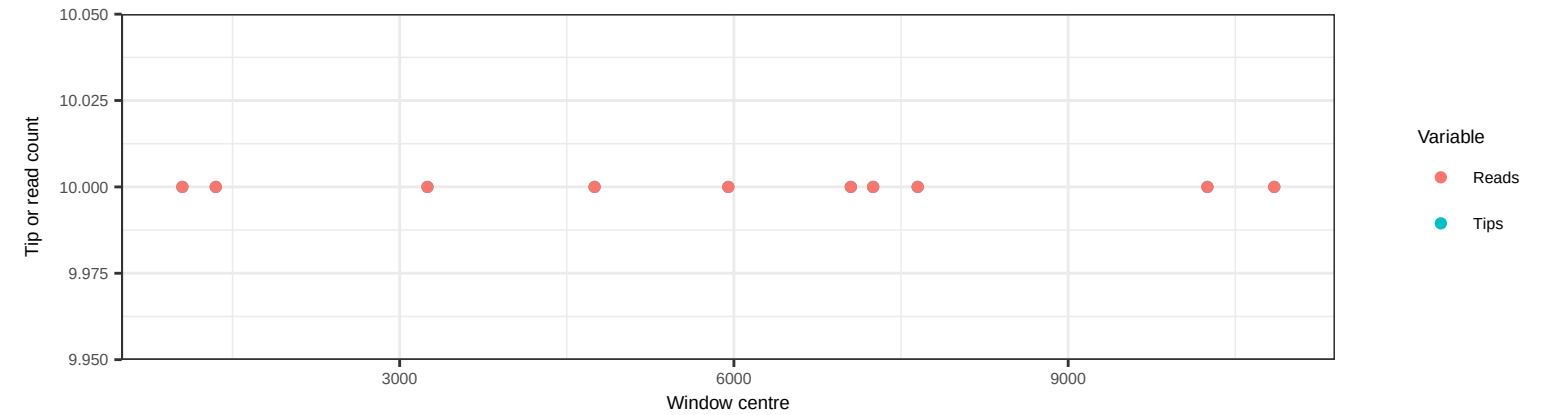

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

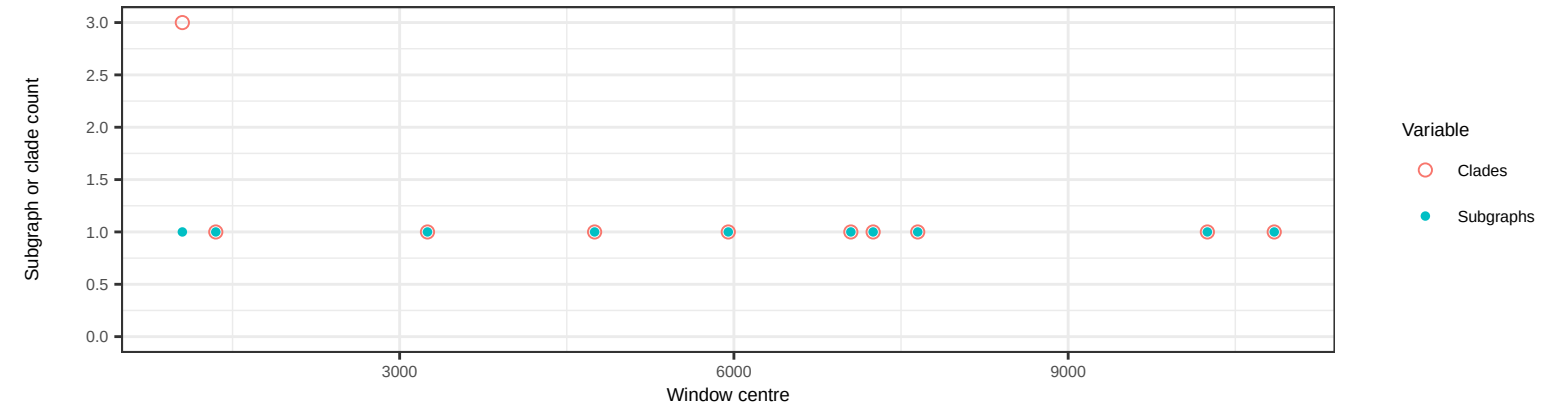

Subgraph or clade count
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

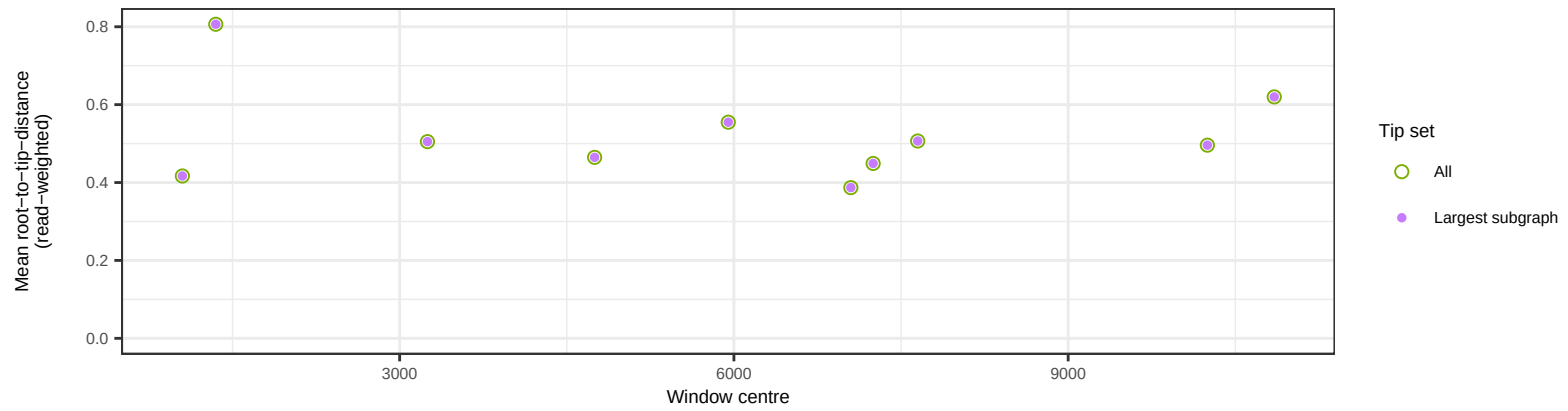

Mean root−to−tip−distance
(read−weighted)
6
4
2
0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

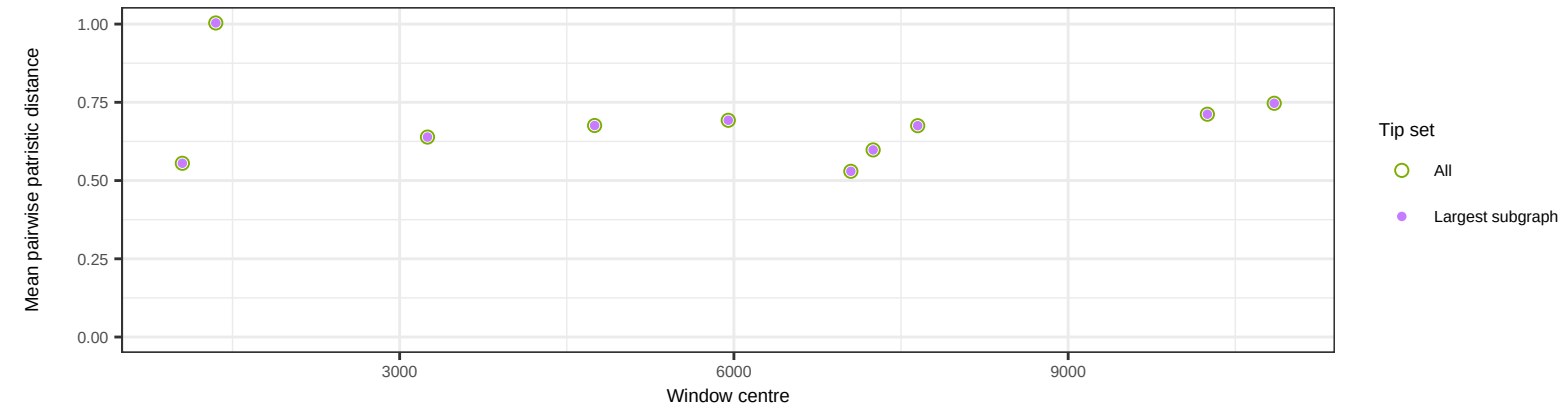

Mean pairwise patristic distance
7.5
5.0
2.5
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

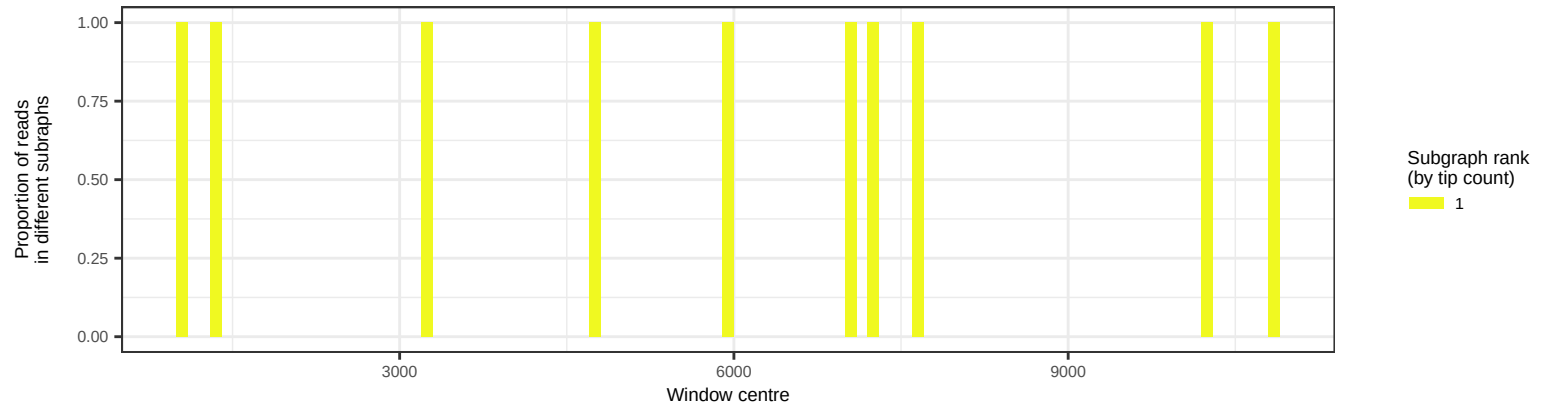

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

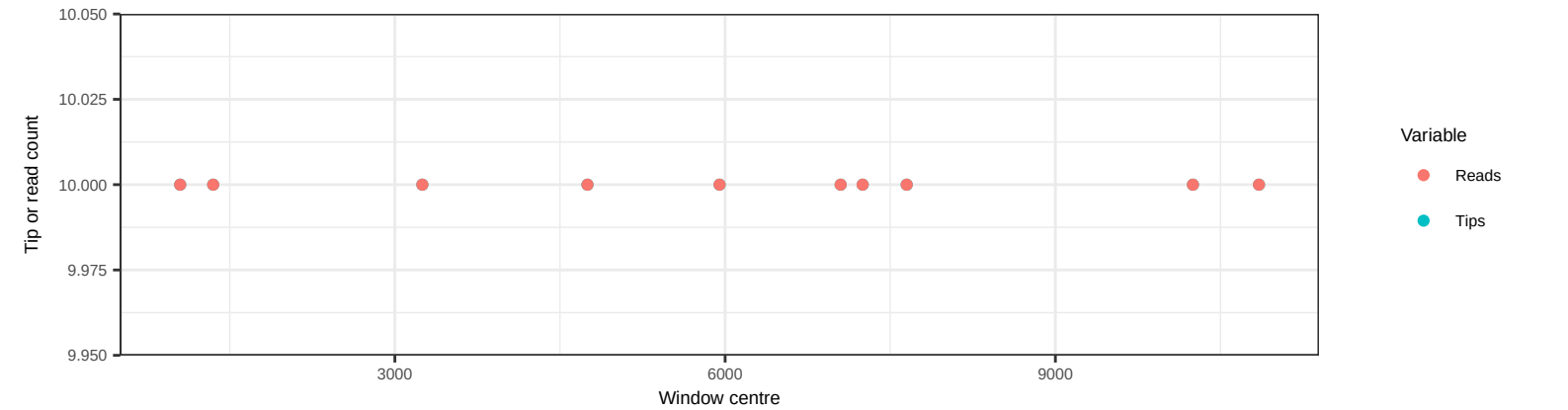

Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

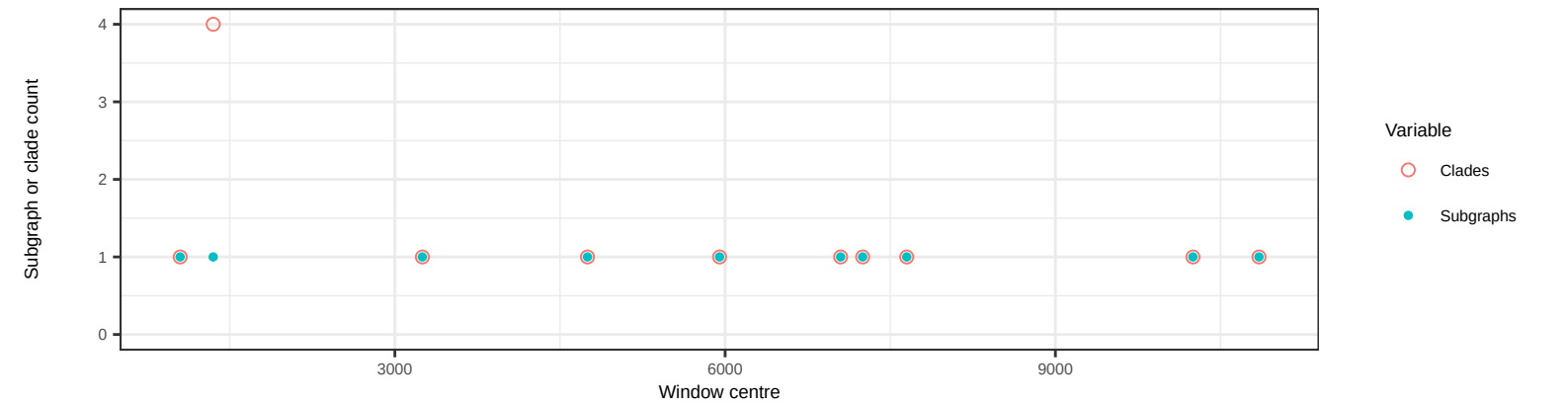

Subgraph or clade count
3.0
2.5
2.0
1.5
1.0
0.5
0.0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

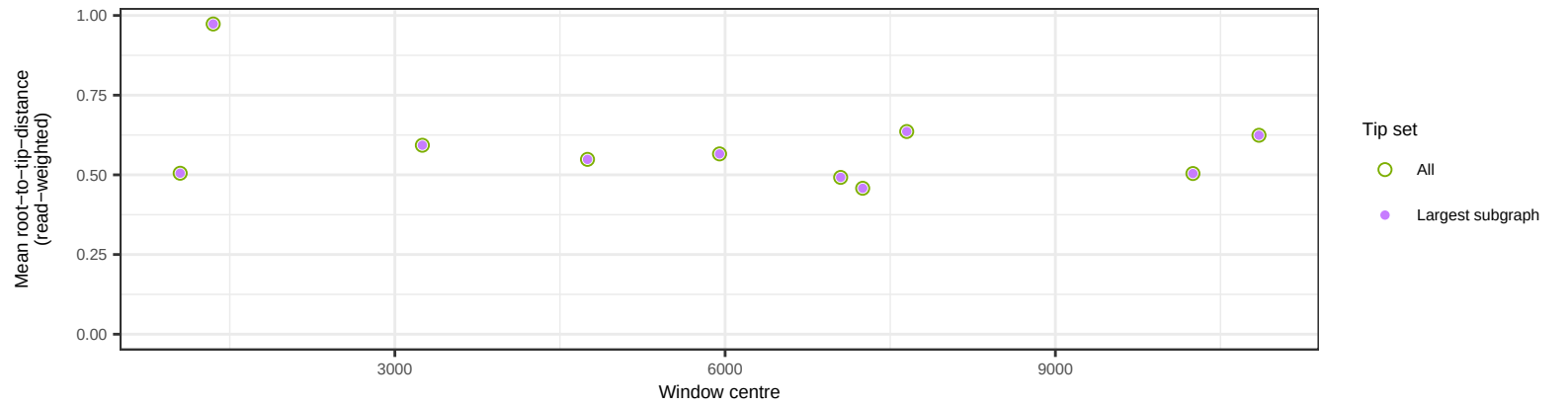

Mean root−to−tip−distance
(read−weighted)
0.8
0.6
0.4
0.2
0.0
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

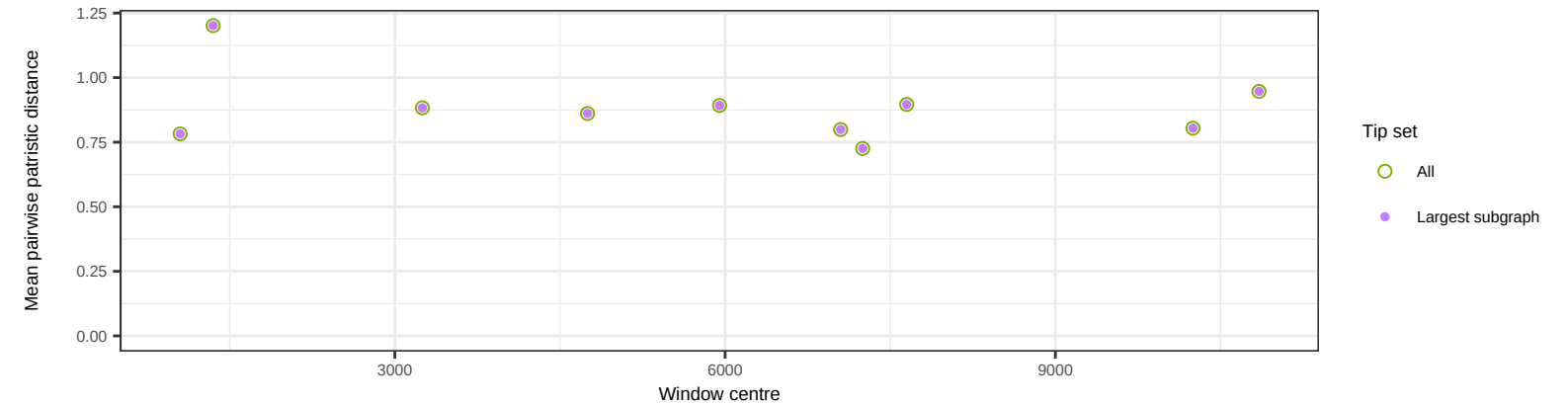

Mean pairwise patristic distance
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

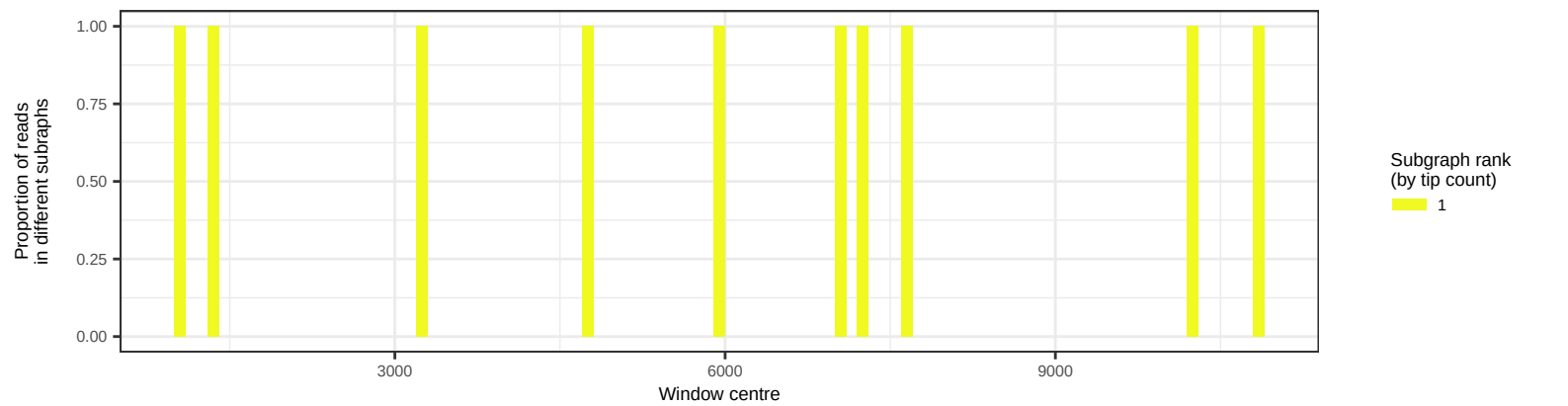

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1


Tip or read count
10.050
10.025
10.000
9.975
9.950
3000
6000
9000
Window centre
Variable
Reads
Tips

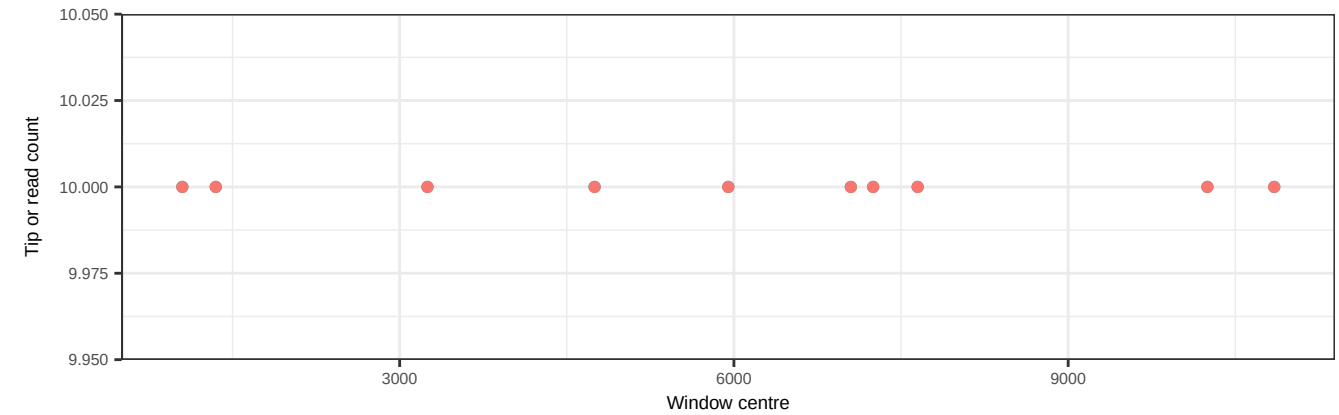

Subgraph or clade count
4
3
2
1
0
3000
6000
9000
Window centre
Variable
Clades
Subgraphs

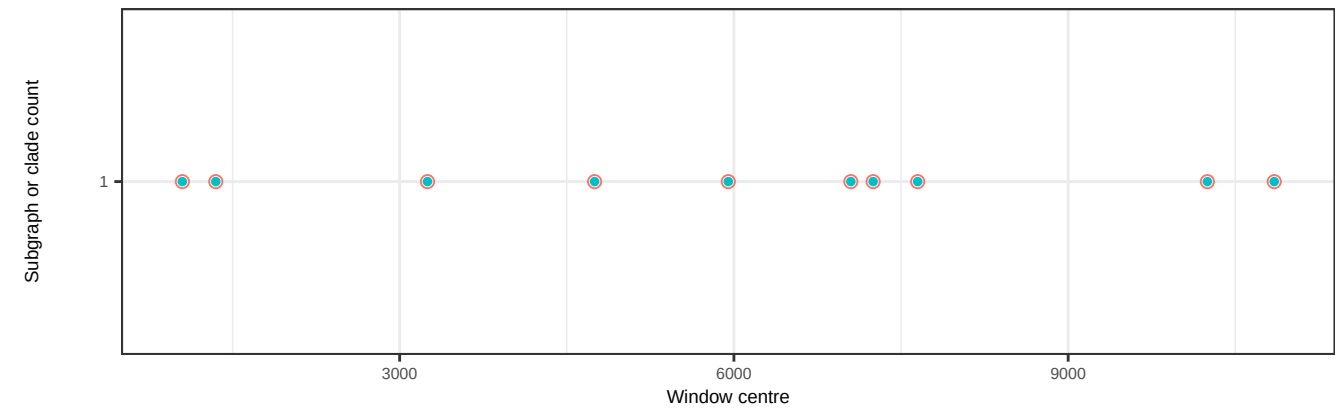

Mean root−to−tip−distance
(read−weighted)
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

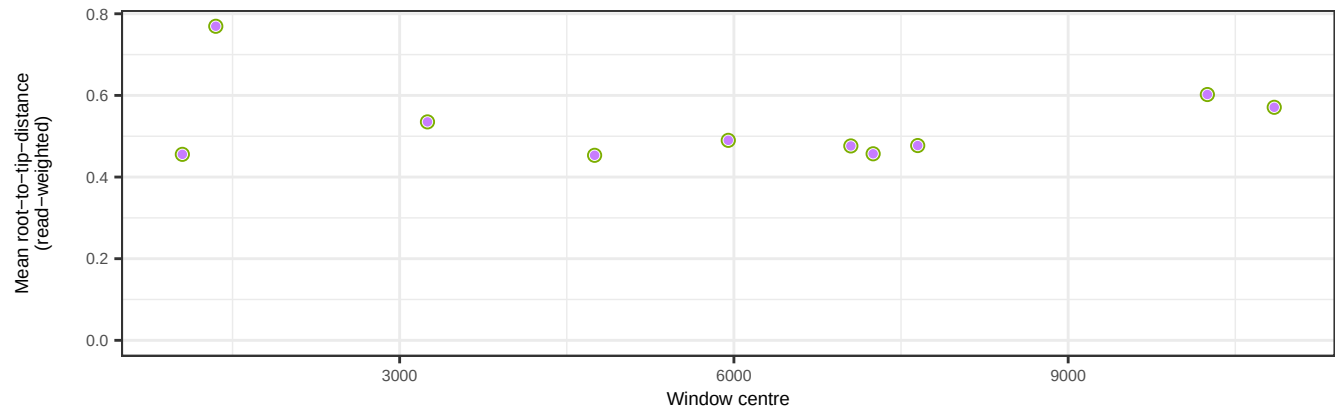

Mean pairwise patristic distance
1.25
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Tip set
All
Largest subgraph

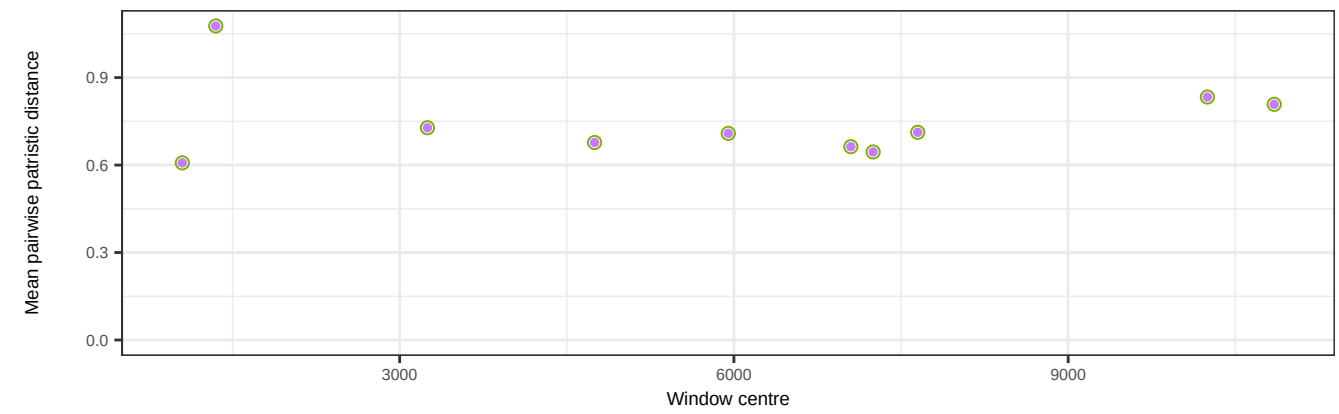

Proportion of reads
in different subraphs
1.00
0.75
0.50
0.25
0.00
3000
6000
9000
Window centre
Subgraph rank
(by tip count)
1

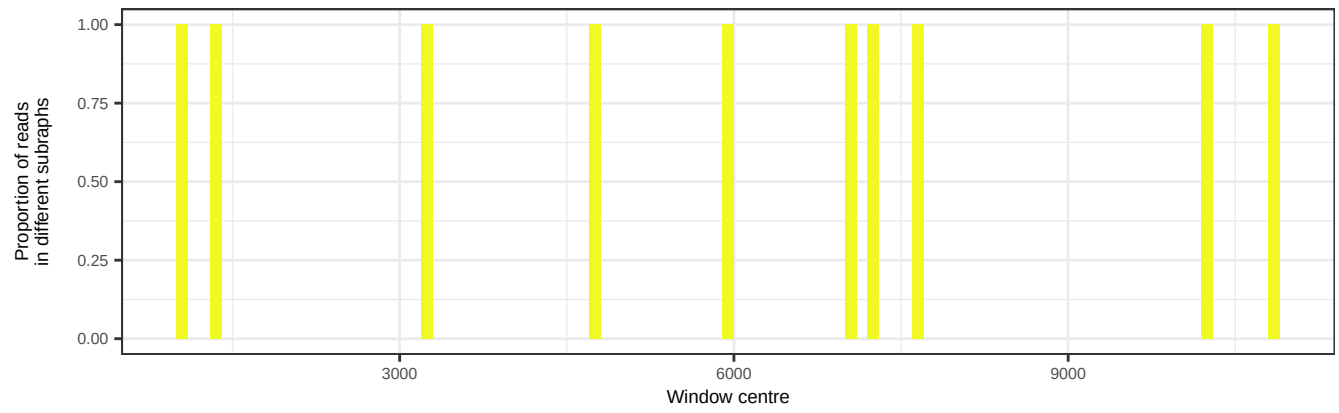
985


10.050
10.025
10.000
9.975
9.950
Tip or read count
3000
6000
9000
Window centre
Variable
Reads
Tips


1
Subgraph or clade count
3000
6000
9000
Window centre
Variable
Clades
Subgraphs


0.8
0.6
0.4
0.2
0.0
Mean root−to−tip−distance (read−weighted)
3000
6000
9000
Window centre
Tip set
All
Largest subgraph


0.9
0.6
0.3
0.0
Mean pairwise patristic distance
3000
6000
9000
Window centre
Tip set
All
Largest subgraph


1.00
0.75
0.50
0.25
0.00
Proportion of reads in different subraphs
3000
6000
9000
Window centre
Subgraph rank (by tip count)
1