

1)

```

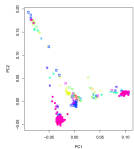
ACTATCTCTCGGACGCCAGATCGCCAACACAGATGTGAC
ACTATCTCTCGGACGCCAGATCGCCAACACAGATGTGAC
ACTATCTCTCGGACGCCAGATCGCCAACACAGATGTGAC
ACTATCTCTCGGACGCCAGATCGCCAACACAGATGTGAC
ACTATCTCTCGGACGCCAGATCGCCAACACAGATGTGAC

```

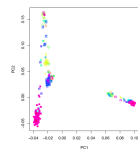
window # 1 2 3 4 5 6 7 ...

2)

PCA
on each
window



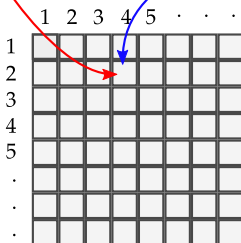
...



3)

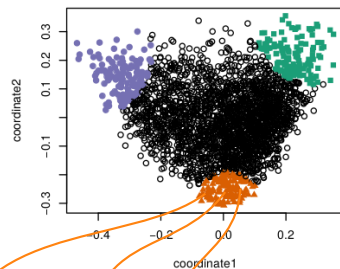
Find distances
between
PCA maps

$D =$



4)

Use MDS
to display
variation
between
windows



5)

```

ACTATCTCTCGGACGCCAGATCGCCAACACAGATGTGAC
ACTATCTCTCGGACGCCAGATCGCCAACACAGATGTGAC
ACTATCTCTCGGACGCCAGATCGCCAACACAGATGTGAC
ACTATCTCTCGGACGCCAGATCGCCAACACAGATGTGAC
ACTATCTCTCGGACGCCAGATCGCCAACACAGATGTGAC

```

1 2 3 4 5 6 7 ...

Show extremes of
structure with PCA
on merged outlying
windows

