

Common-Starling

MFCC 0

MFCC 1

MFCC 2

MFCC 3

MFCC 4

MFCC 5

MFCC 6

MFCC 7

MFCC 8

MFCC 9

0

10

20

30

40

50

60

None

mStamp + MDL
k=2, l=50

0

20

40

time

1st Motiflets
k=4, l=50

0

20

40

time

PCA+Univariate
k=4, l=50

0

20

40

time

Position of Motif Sets

mStamp + MDL

1st Motiflets

PCA+Univariate

0

10

20

30

40

50

60

