

Common-Starling

mSTAMP+MDL
k=2, l=50

mSTAMP
k=2, l=50

EMD*
k=4, l=50

K-Motifs (all)
k=4, l=50

LAMA
k=4, l=50

MFCC 0

MFCC 1

MFCC 2

MFCC 3

MFCC 4

MFCC 5

MFCC 6

MFCC 7

MFCC 8

MFCC 9

MFCC 10

MFCC 11

MFCC 12

MFCC 13

0

10

20

30

40

50

60

None

0

20

40

time

0

20

40

time

0

20

40

time

0

20

40

time

0

20

40

time

Positions

Ground Truth

mSTAMP+MDL

mSTAMP

EMD*

K-Motifs (all)

LAMA

0

10

20

30

40

50

60

Starling

Starling