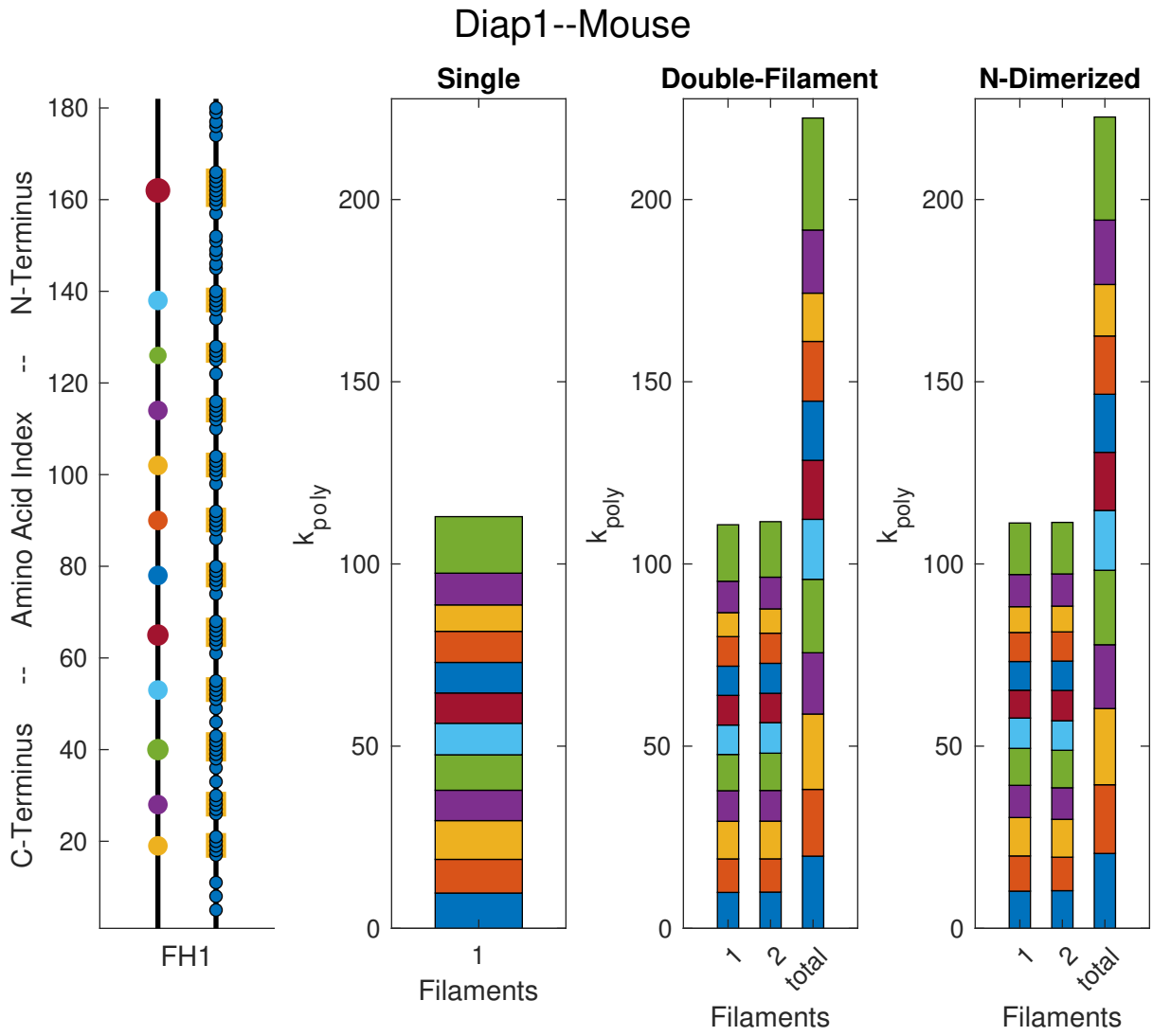
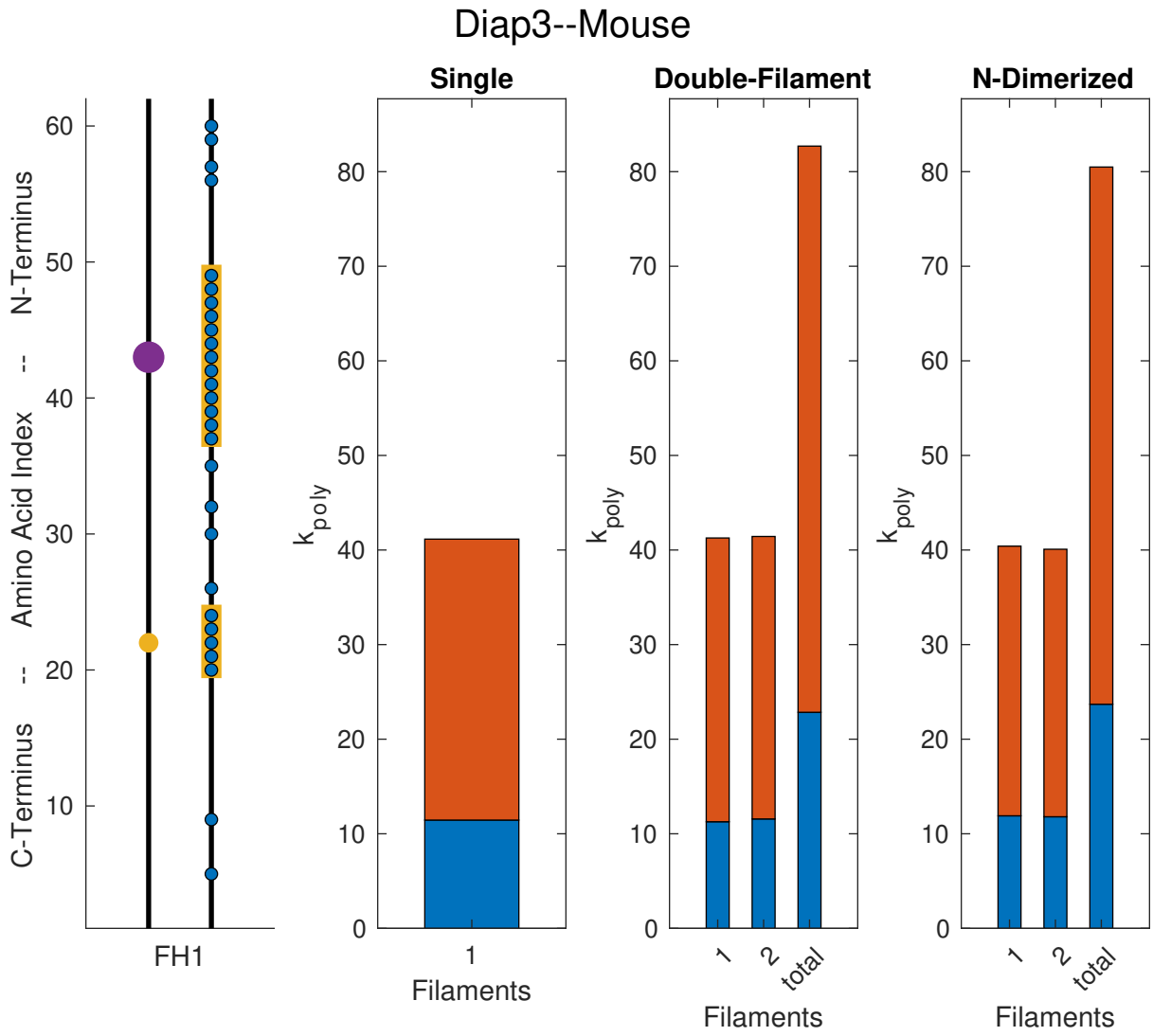
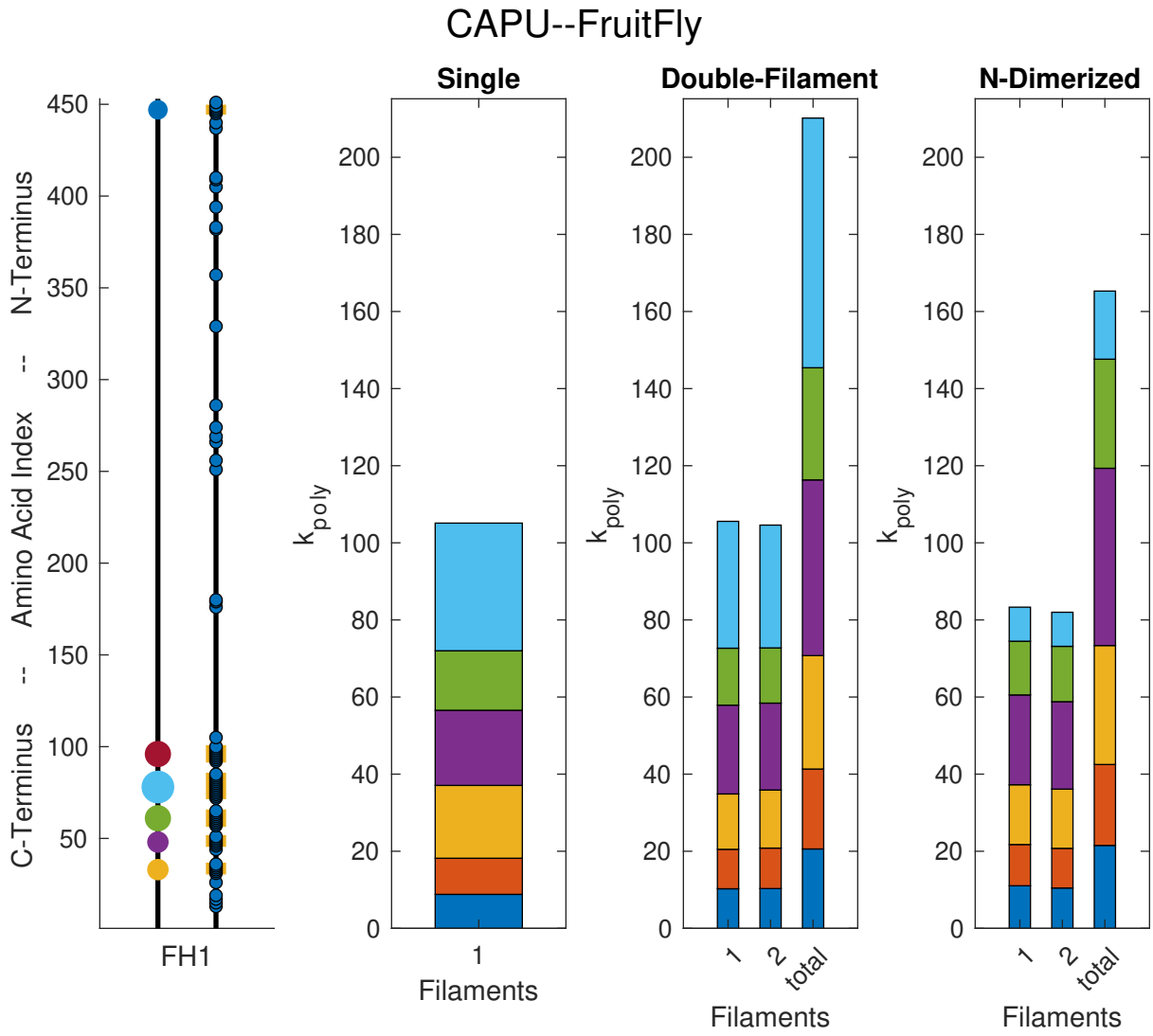
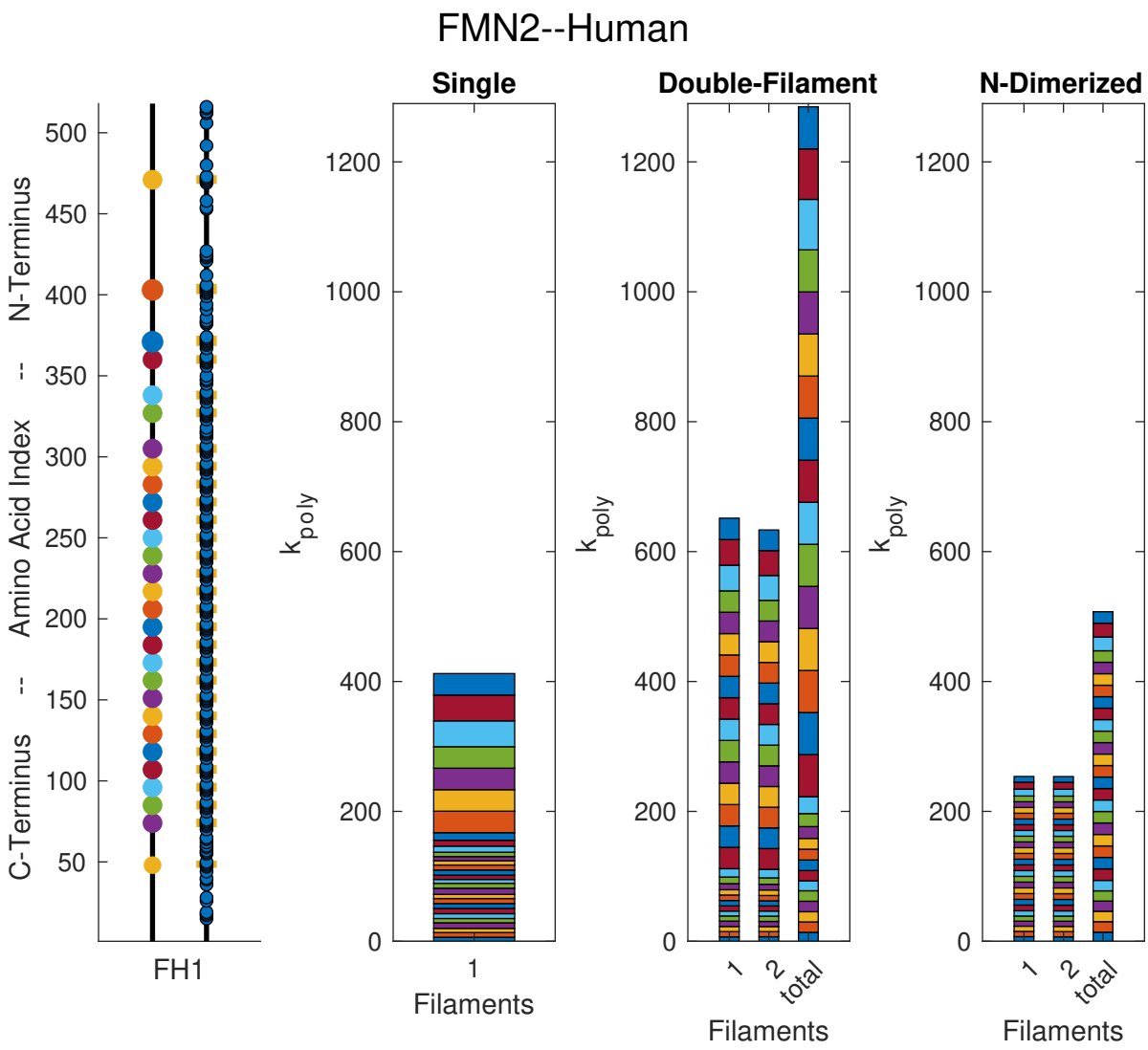
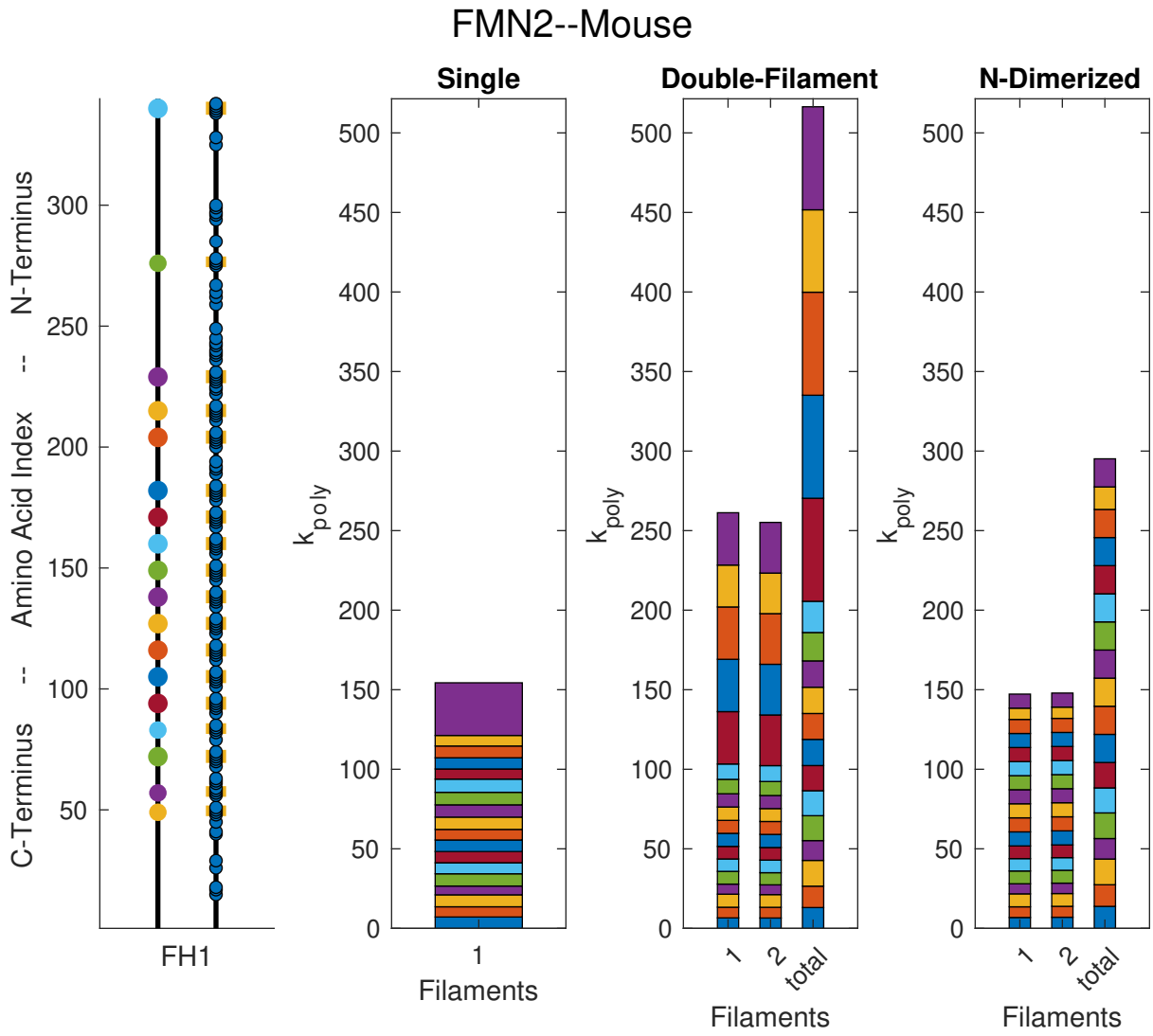
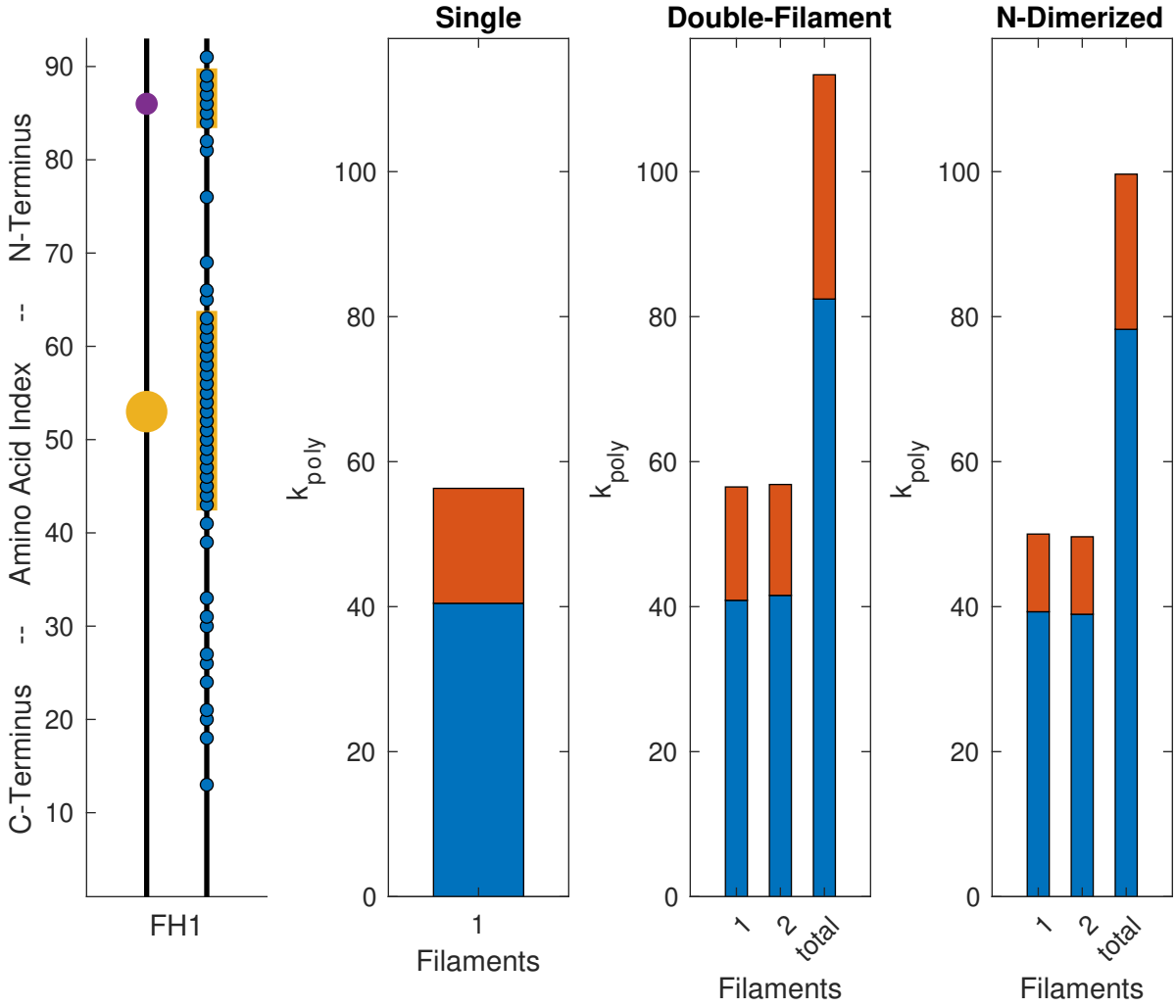

Diap1--Mouse
C-Terminus -- Amino Acid Index -- N-Terminus
180
160
140
120
100
80
60
40
20
FH1
Single
Double-Filament
N-Dimerized
k_poly
200
150
100
50
0
1
2
total
Filaments

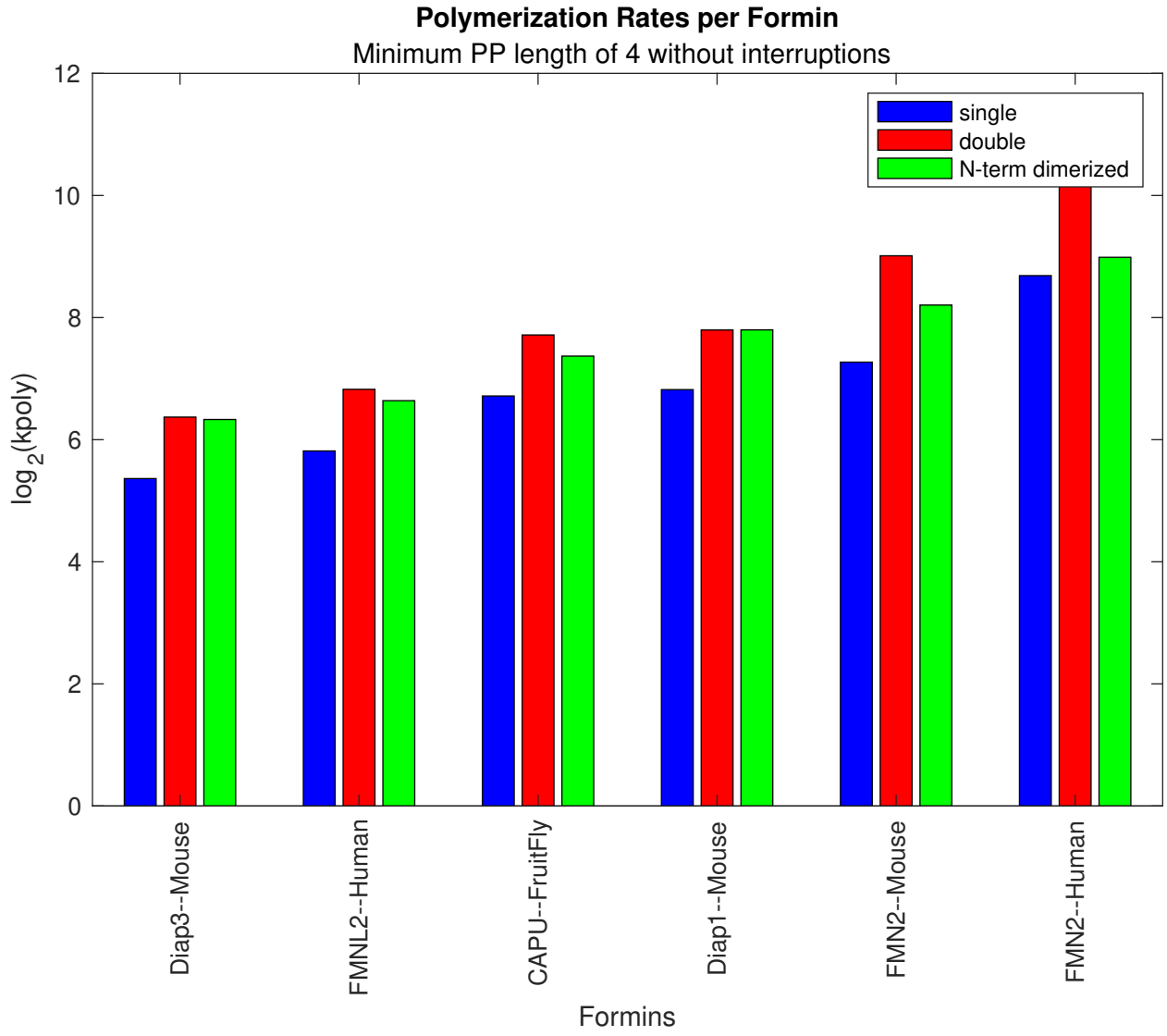

Diap3--Mouse
C-Terminus -- Amino Acid Index -- N-Terminus
10
20
30
40
50
60
FH1
Single
Double-Filament
N-Dimerized
k_{poly}
0
10
20
30
40
50
60
70
80
1
2
total
Filaments

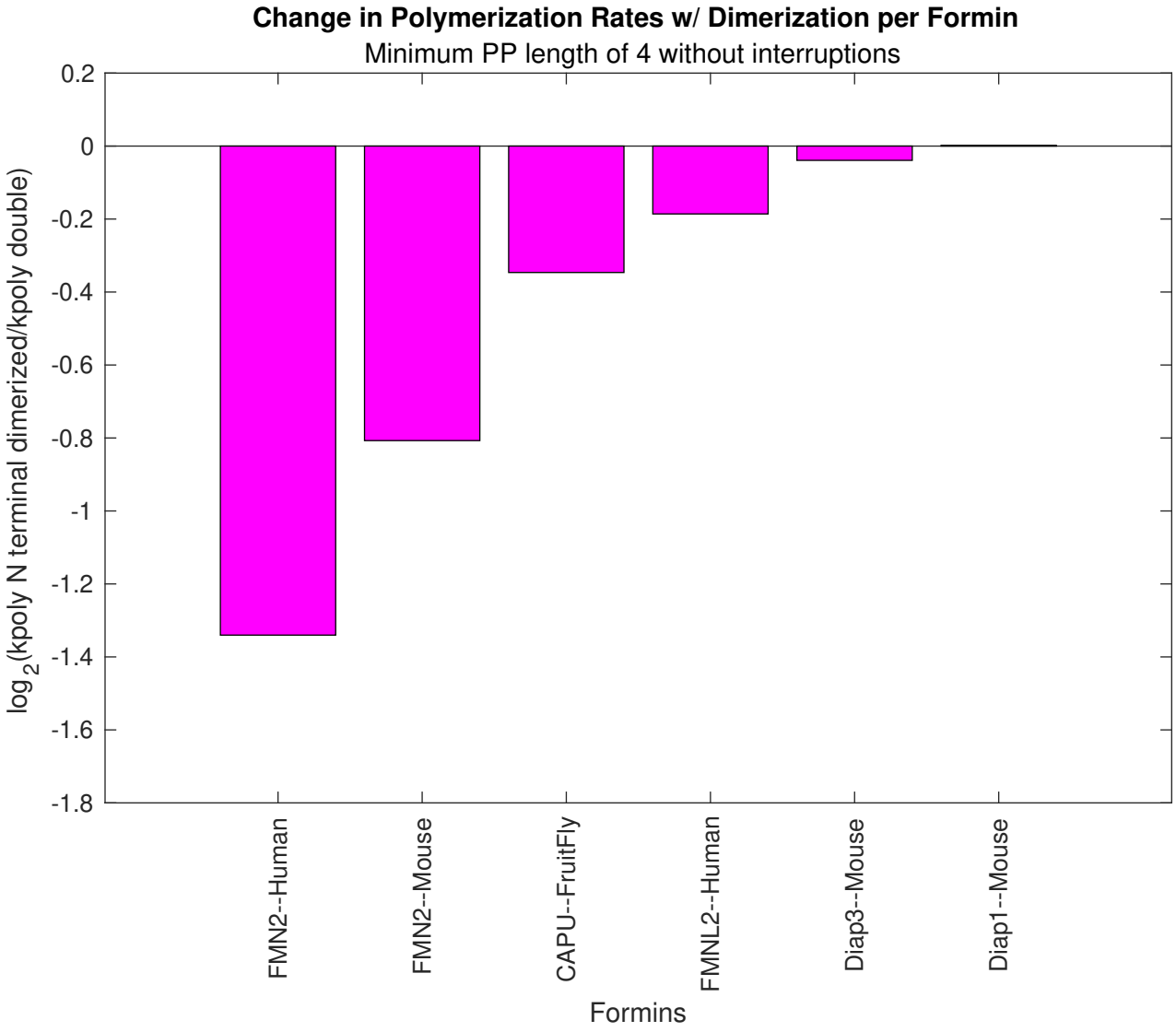

CAPU--FruitFly
C-Terminus -- Amino Acid Index -- N-Terminus
450
400
350
300
250
200
150
100
50
FH1
Single
Double-Filament
N-Dimerized
k_{poly}
200
180
160
140
120
100
80
60
40
20
0
1
2
total
Filaments

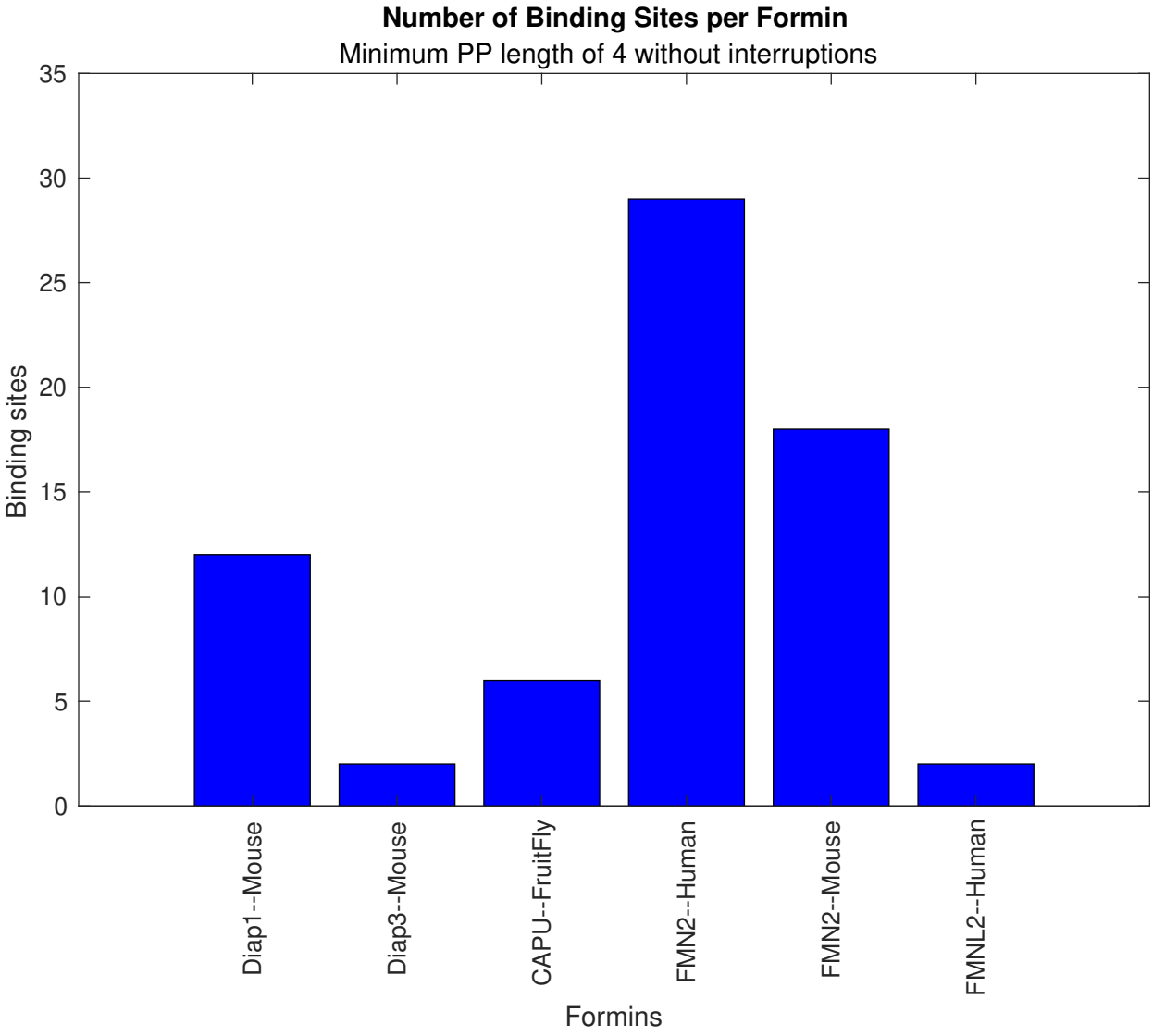

FMN2--Human
Single
Double-Filament
N-Dimerized
C-Terminus -- Amino Acid Index -- N-Terminus
50
100
150
200
250
300
350
400
450
500
FH1
k_{poly}
0
200
400
600
800
1000
1200
1
2
total
Filaments

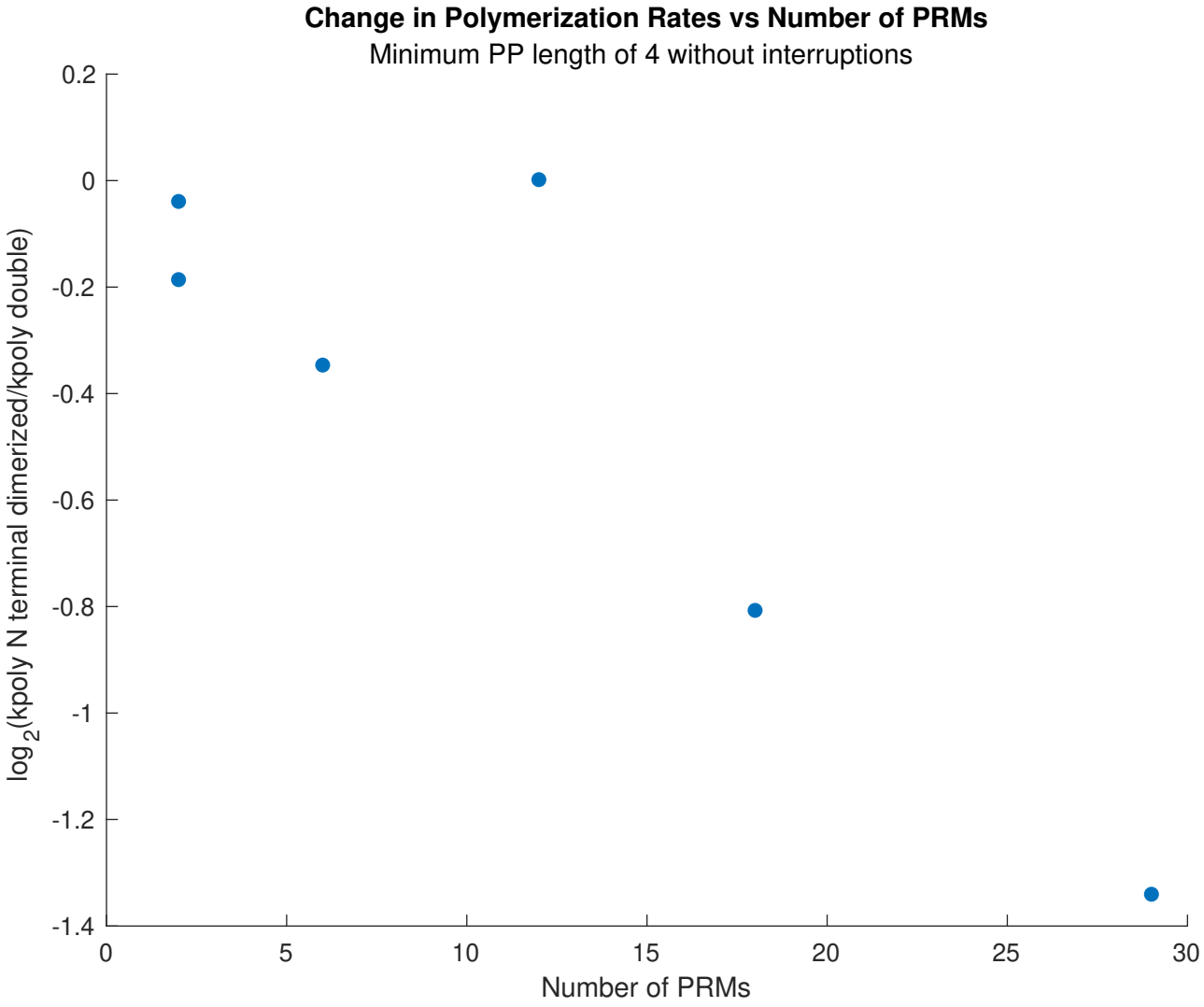

FMN2--Mouse
C-Terminus -- Amino Acid Index -- N-Terminus
50
100
150
200
250
300
FH1
Single
Double-Filament
N-Dimerized
k_{poly}
0
50
100
150
200
250
300
350
400
450
500
1
2
total
Filaments

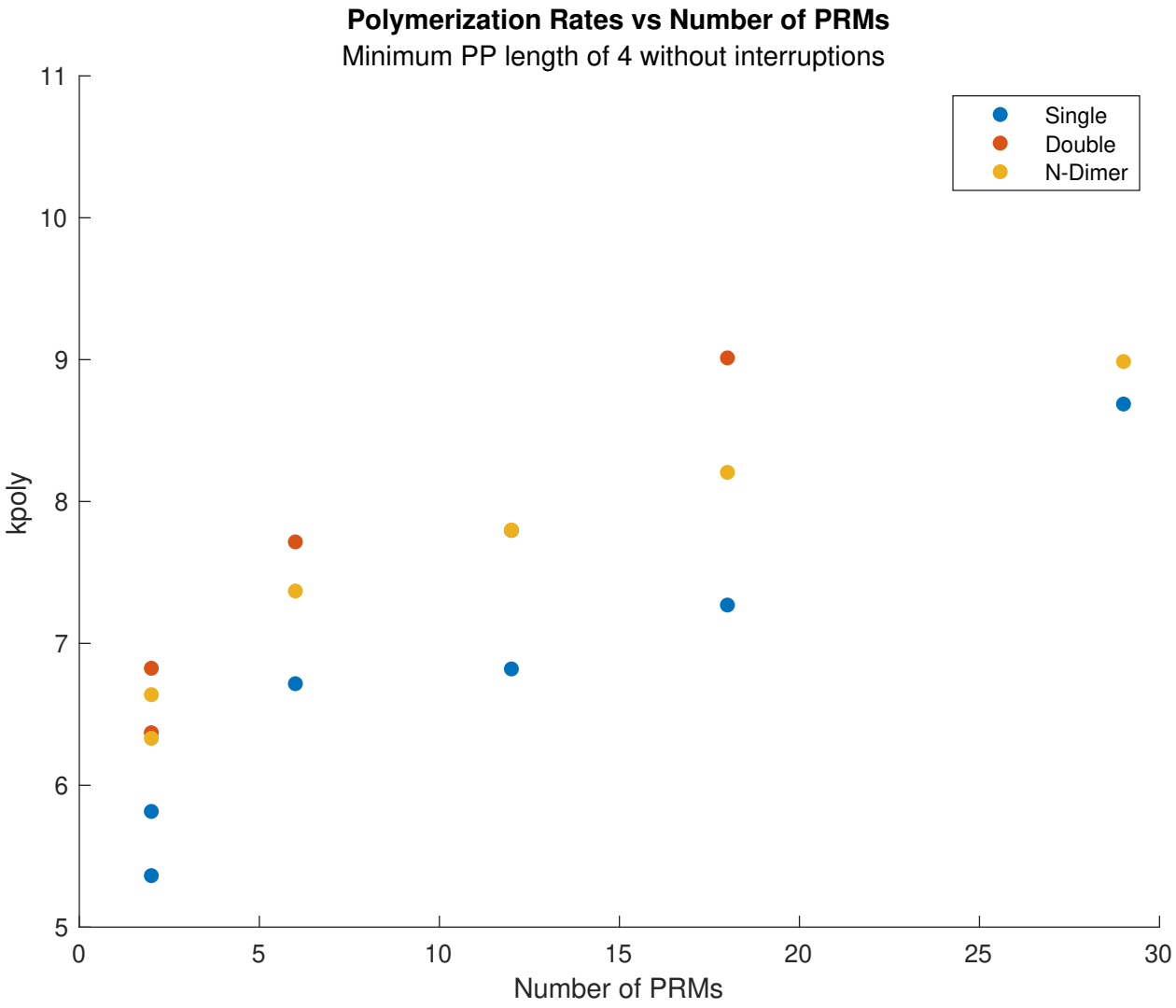

FMNL2--Human
C-Terminus -- Amino Acid Index -- N-Terminus
10
20
30
40
50
60
70
80
90
FH1
Single
Double-Filament
N-Dimerized
k poly
0
20
40
60
80
100
1
2
total
Filaments

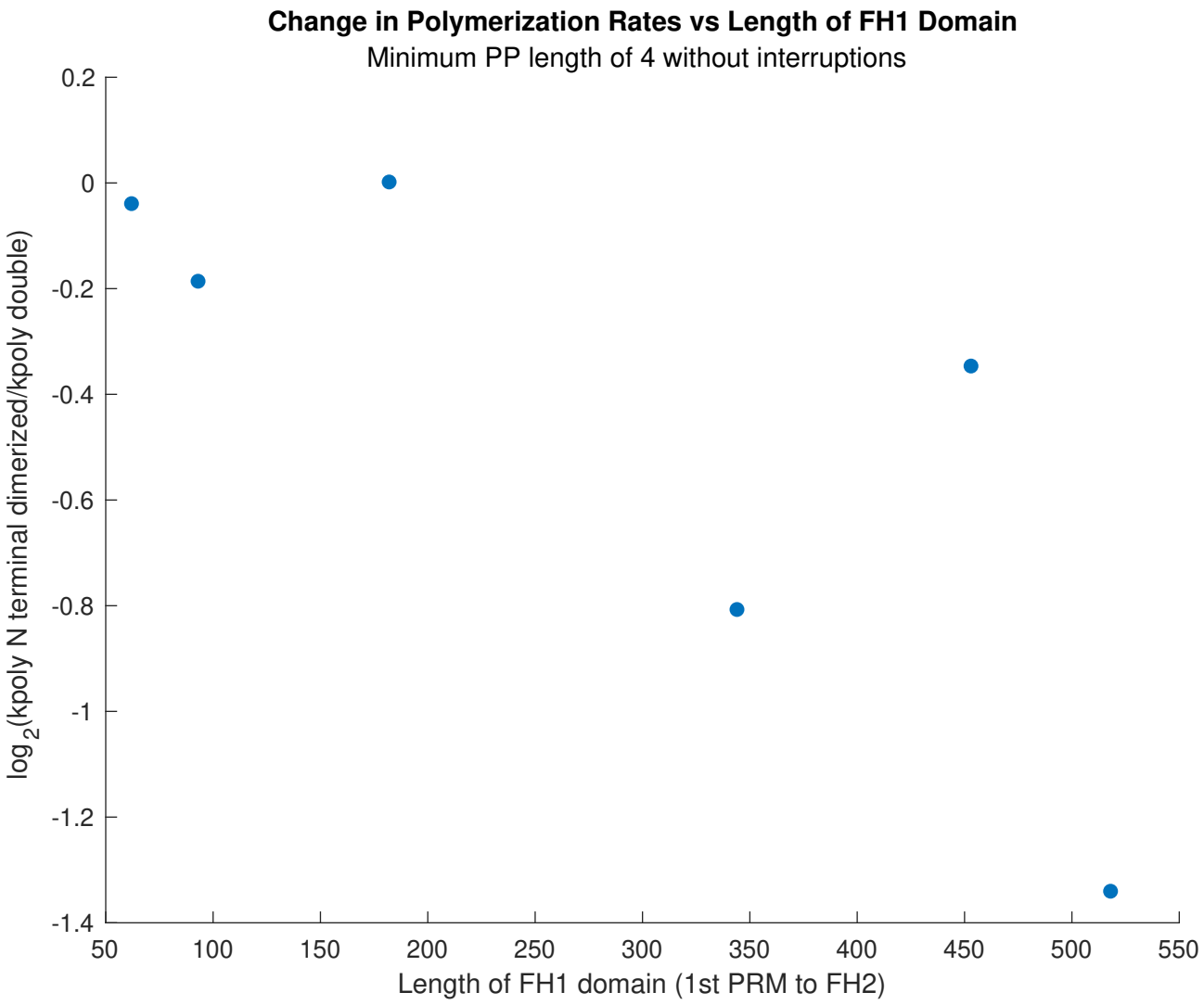

Polymerization Rates per Formin
Minimum PP length of 4 without interruptions
single
double
N-term dimerized
log 2(kpoly)
0
2
4
6
8
10
12
Diap3--Mouse
FMNL2--Human
CAPU--FruitFly
Diap1--Mouse
FMN2--Mouse
FMN2--Human
Formins

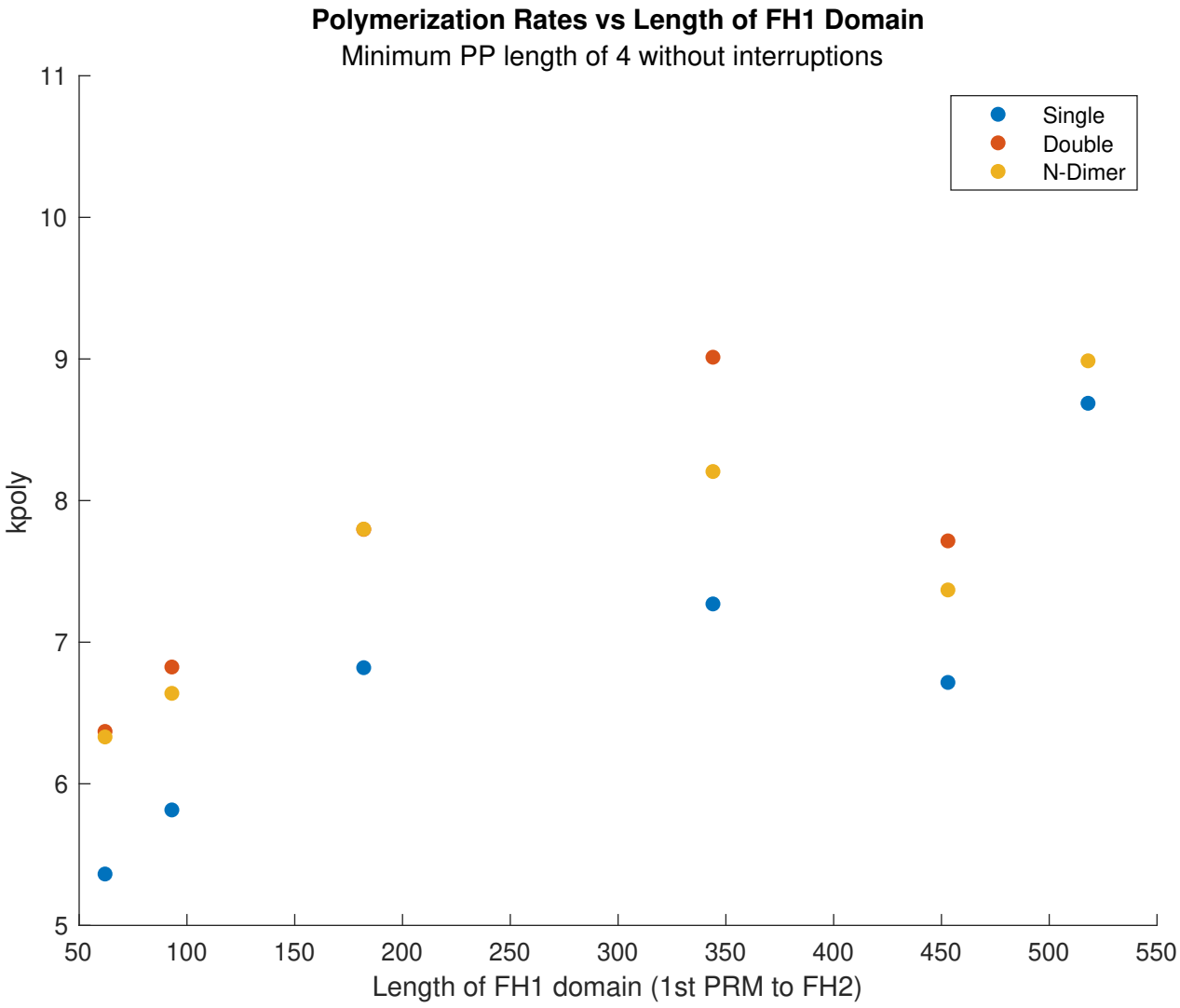

Change in Polymerization Rates w/ Dimerization per Formin
Minimum PP length of 4 without interruptions
log2(kpoly N terminal dimerized/kpoly double)
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
-1.6
-1.8
FMN2--Human
FMN2--Mouse
CAPU--FruitFly
FMNL2--Human
Diap3--Mouse
Diap1--Mouse
Formins

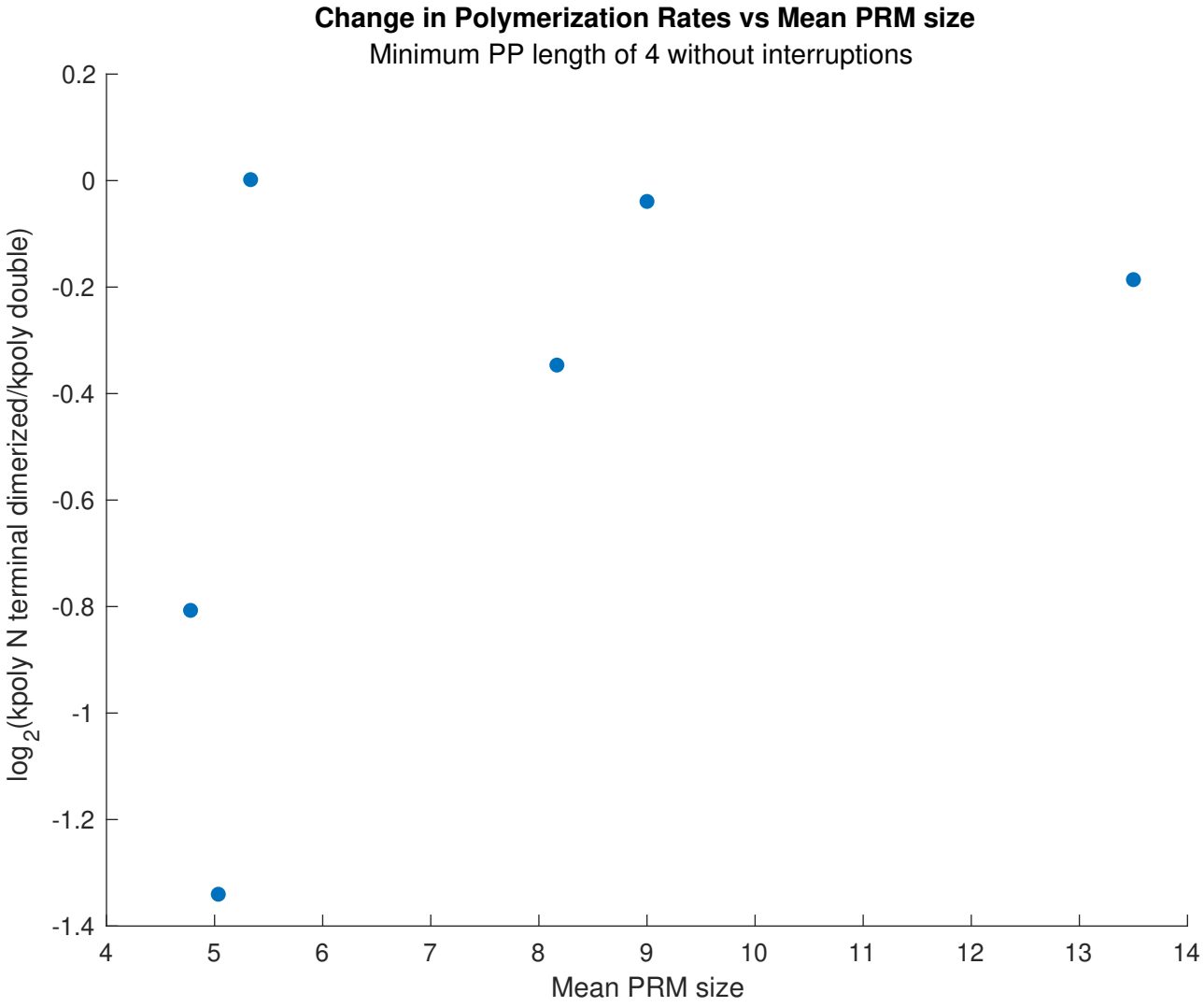

Number of Binding Sites per Formin
Minimum PP length of 4 without interruptions
Binding sites
0
5
10
15
20
25
30
35
Diap1--Mouse
Diap3--Mouse
CAPU--FruitFly
FMN2--Human
FMN2--Mouse
FMNL2--Human
Formins

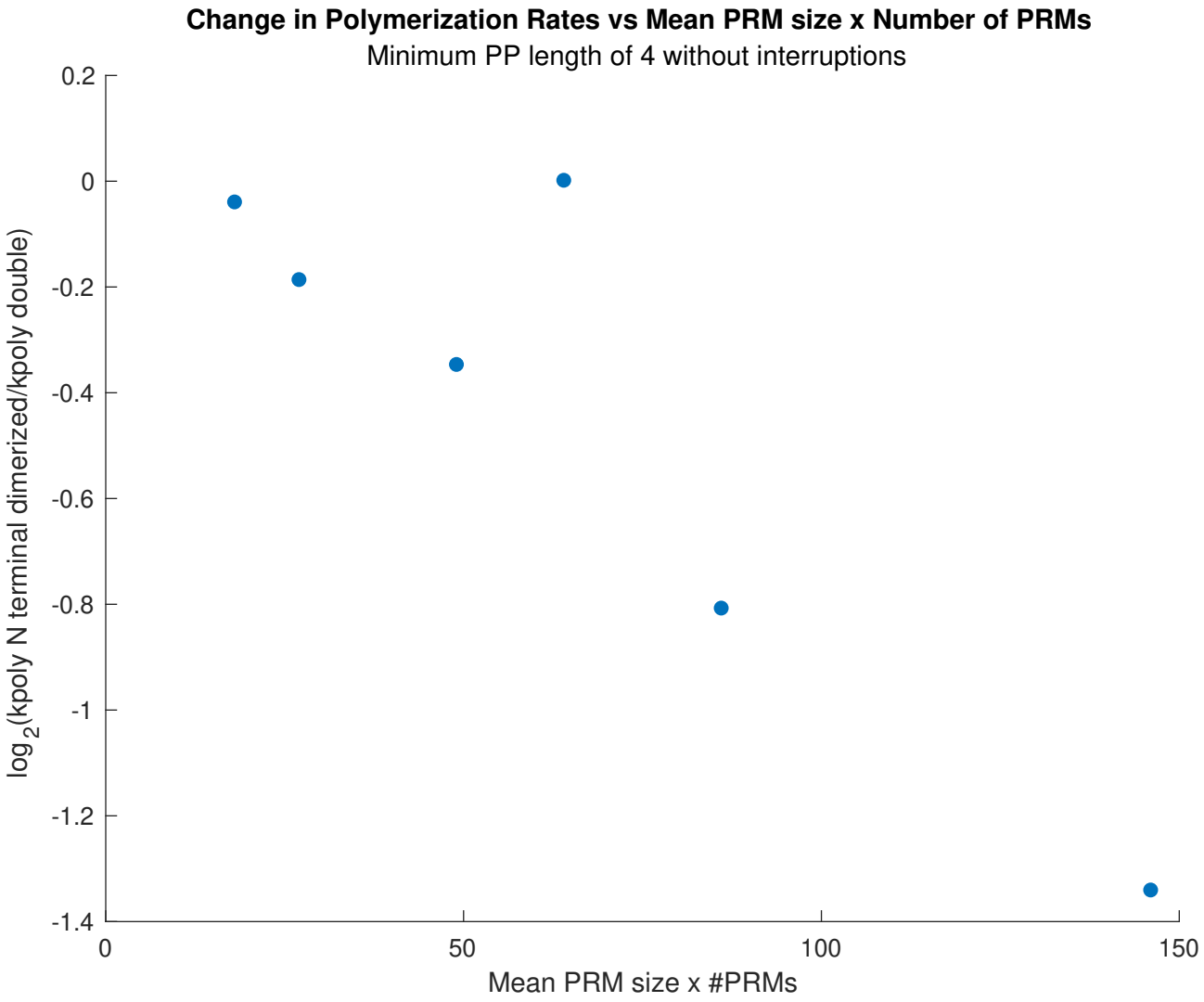

Change in Polymerization Rates vs Number of PRMs
Minimum PP length of 4 without interruptions
log2(kpoly N terminal dimerized/kpoly double)
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
0
5
10
15
20
25
30
Number of PRMs

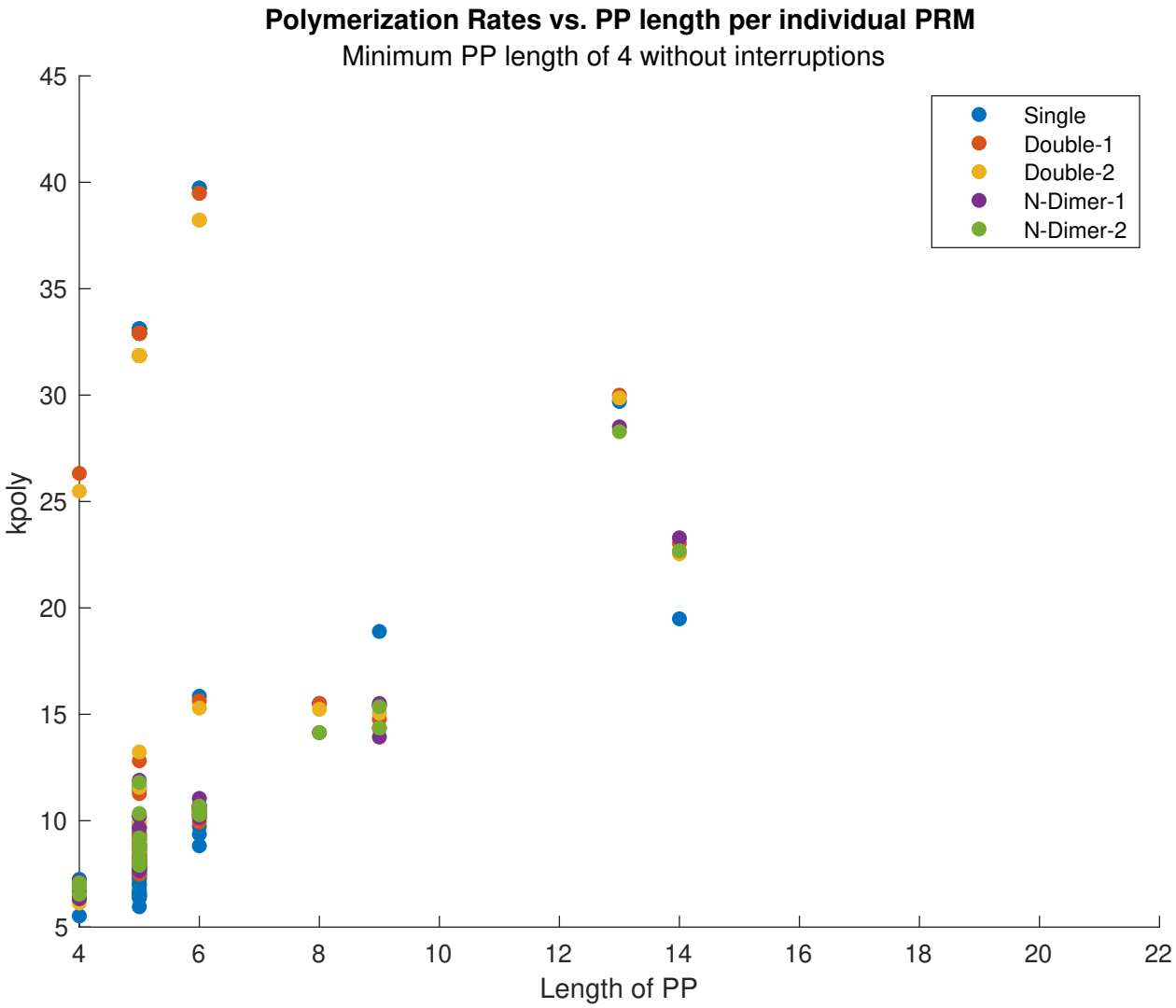

Polymerization Rates vs Number of PRMs
Minimum PP length of 4 without interruptions
Single
Double
N-Dimer
kpoly
Number of PRMs
11
10
9
8
7
6
5
0
5
10
15
20
25
30

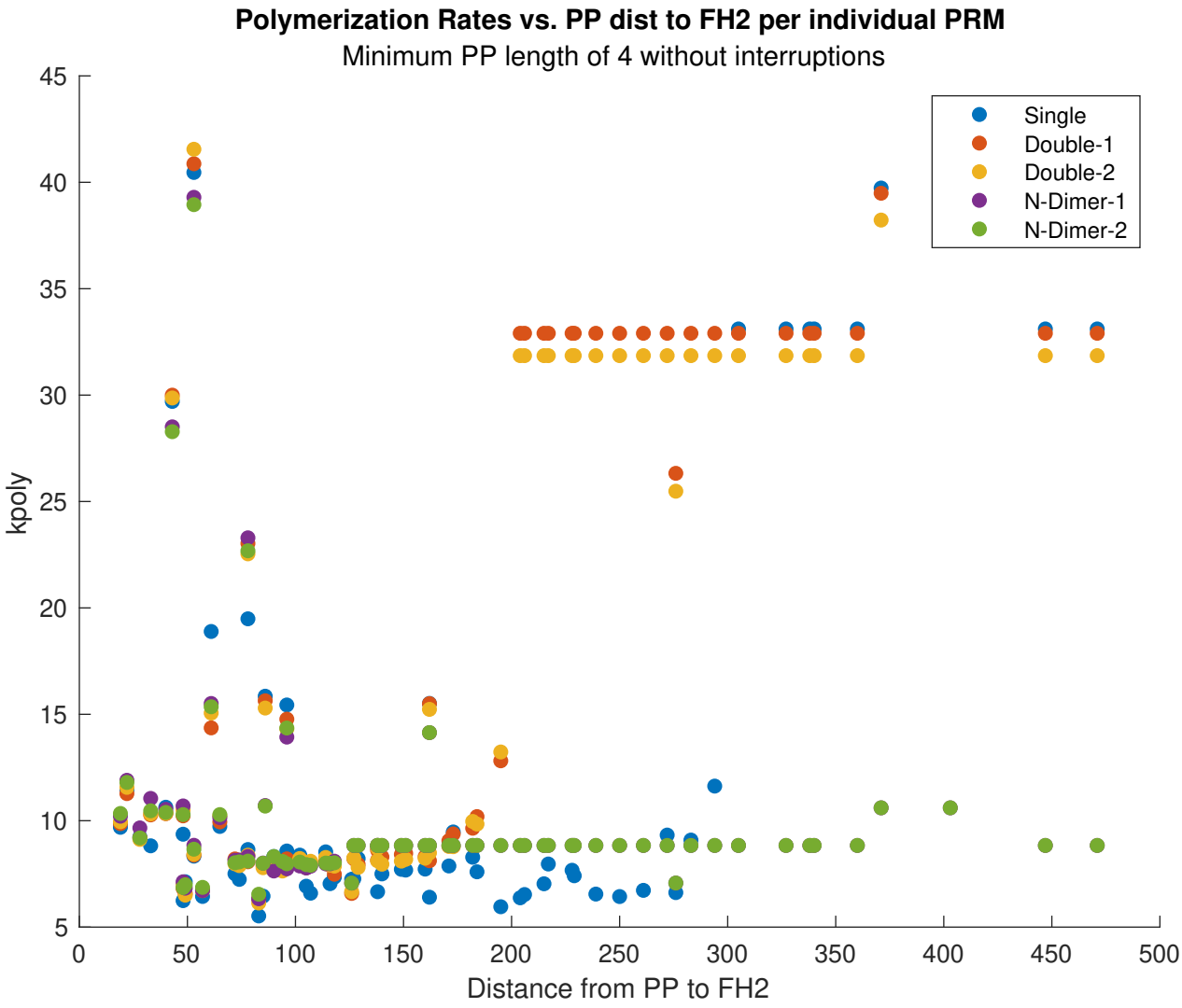

Change in Polymerization Rates vs Length of FH1 Domain
Minimum PP length of 4 without interruptions
log2(kpoly N terminal dimerized/kpoly double)
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
50
100
150
200
250
300
350
400
450
500
550
Length of FH1 domain (1st PRM to FH2)

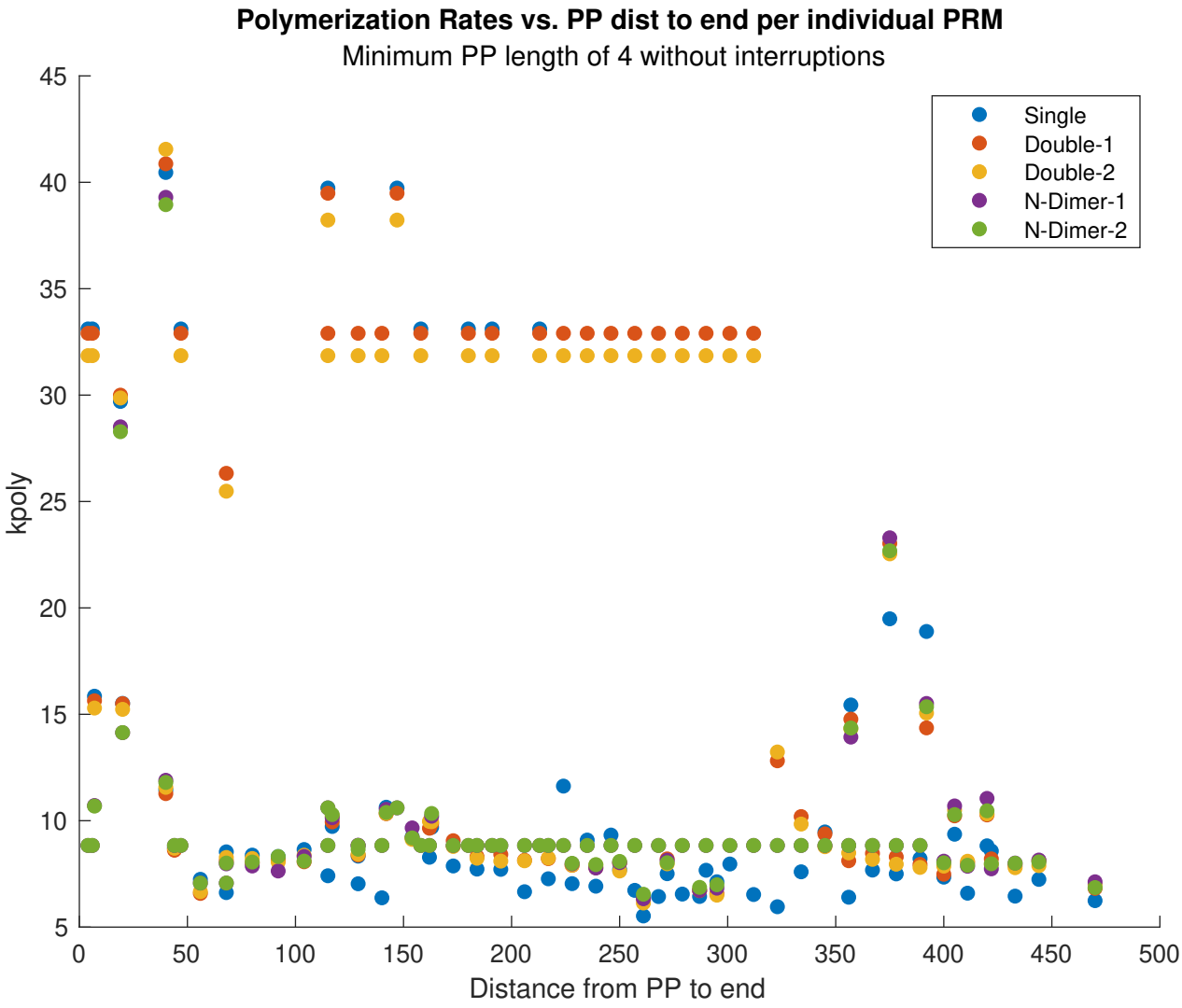

Polymerization Rates vs Length of FH1 Domain
Minimum PP length of 4 without interruptions
Single
Double
N-Dimer
kpoly
Length of FH1 domain (1st PRM to FH2)
11
10
9
8
7
6
5
50
100
150
200
250
300
350
400
450
500
550

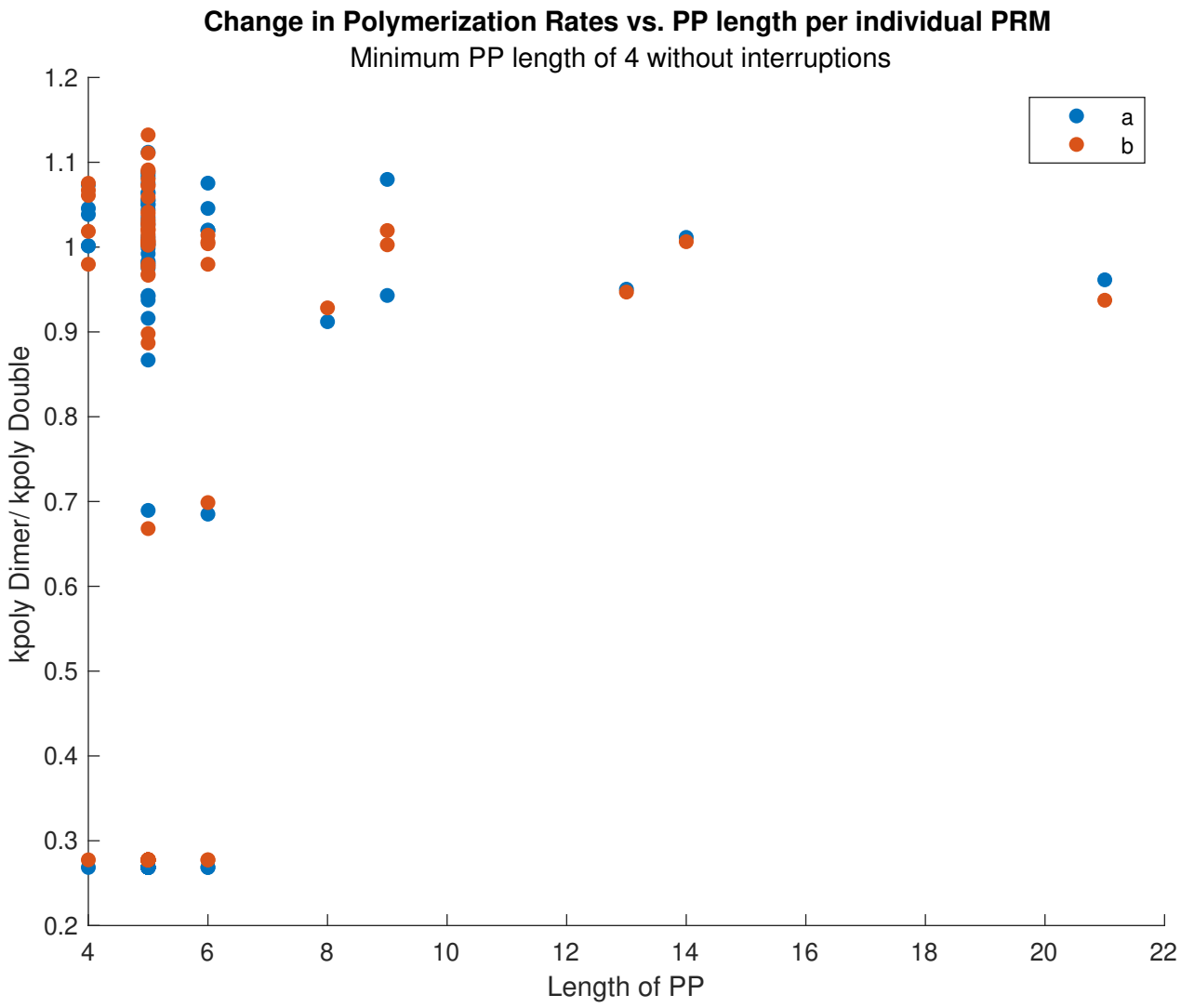

Change in Polymerization Rates vs Mean PRM size
Minimum PP length of 4 without interruptions
log2(kpoly N terminal dimerized/kpoly double)
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
4
5
6
7
8
9
10
11
12
13
14
Mean PRM size

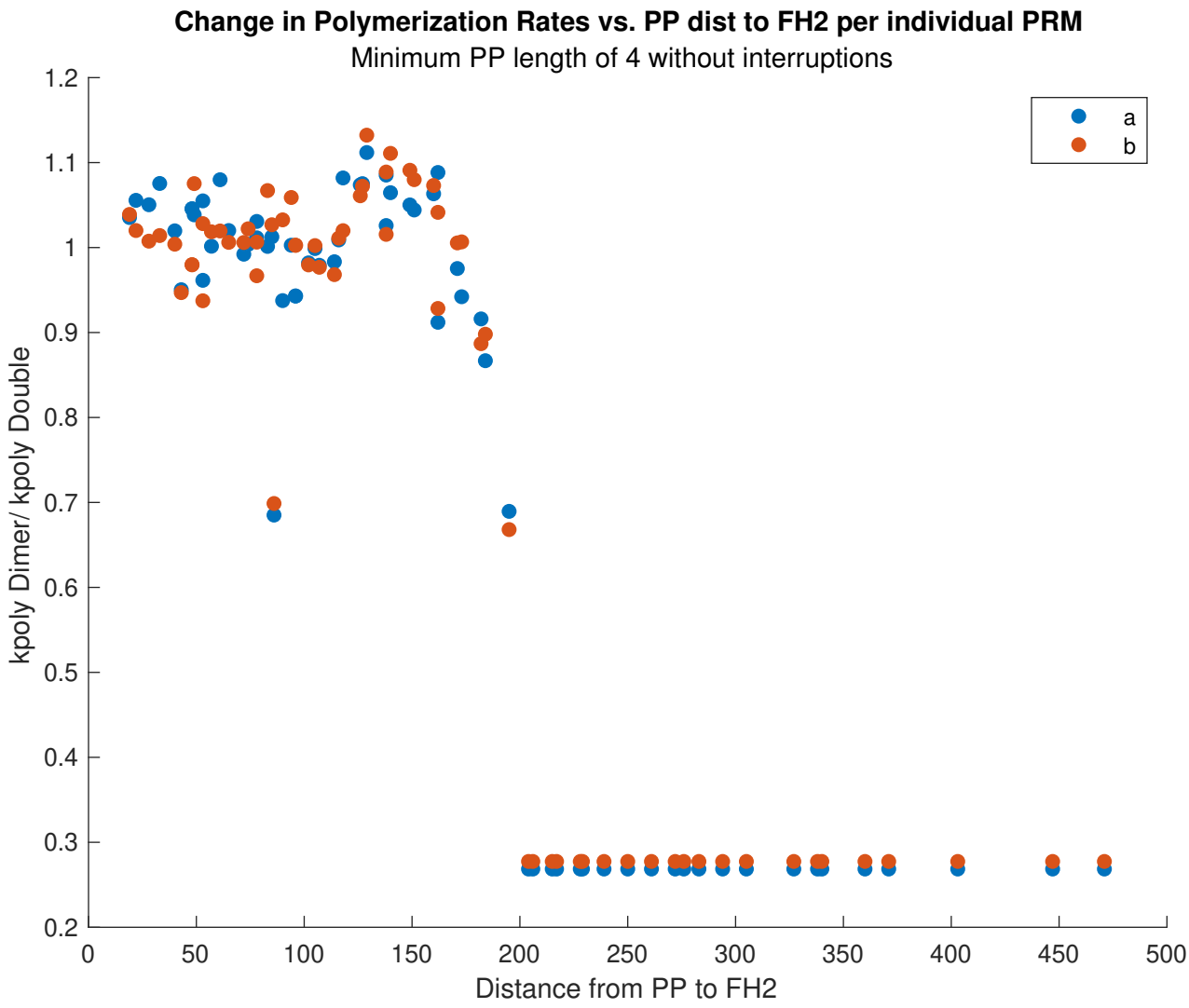

Change in Polymerization Rates vs Mean PRM size x Number of PRMs
Minimum PP length of 4 without interruptions
log2(kpoly N terminal dimerized/kpoly double)
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
0
50
100
150
Mean PRM size x #PRMs

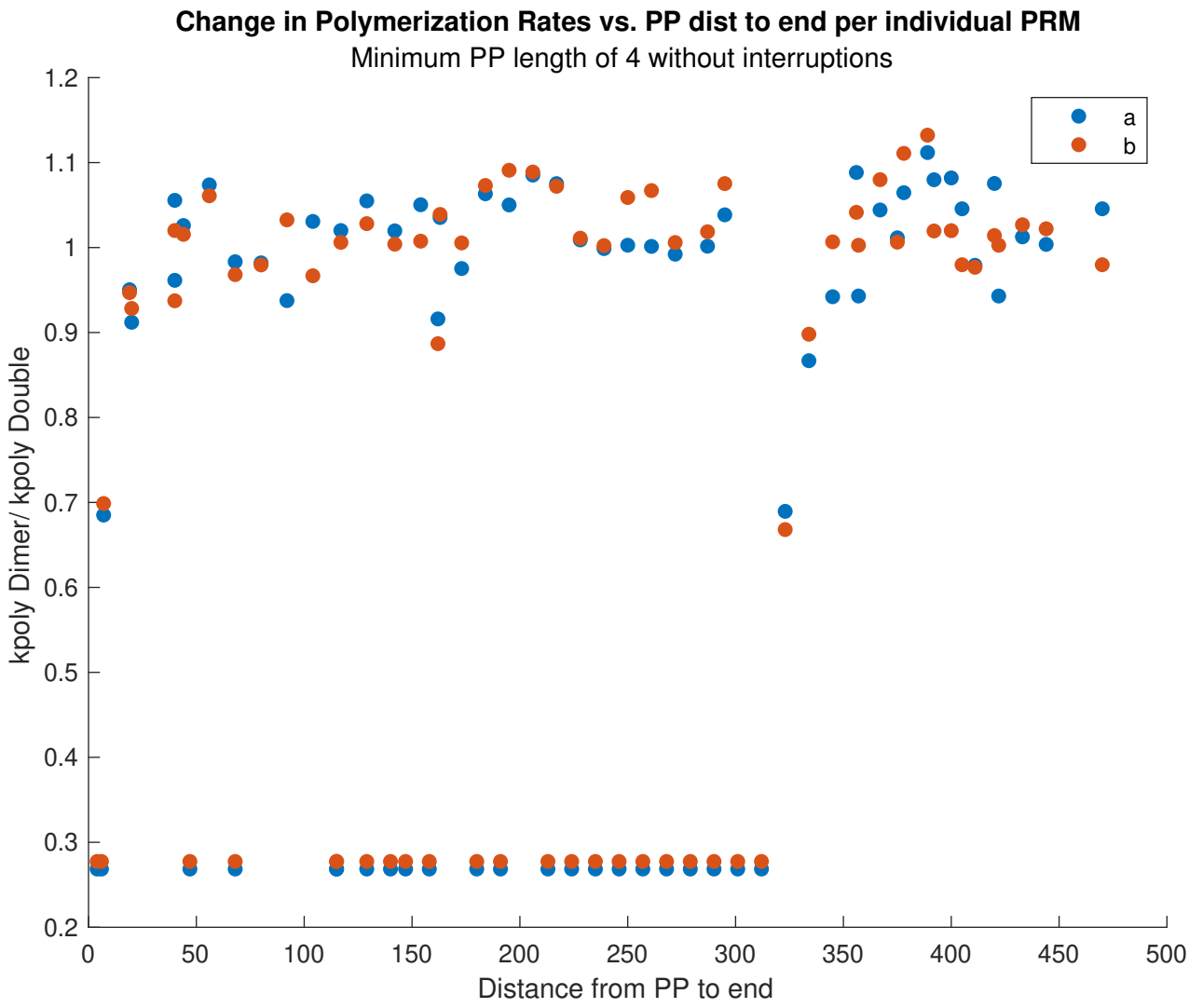

Polymerization Rates vs. PP length per individual PRM
Minimum PP length of 4 without interruptions
Single
Double-1
Double-2
N-Dimer-1
N-Dimer-2
kpoly
Length of PP
45
40
35
30
25
20
15
10
5
4
6
8
10
12
14
16
18
20
22


Polymerization Rates vs. PP dist to FH2 per individual PRM
Minimum PP length of 4 without interruptions
Single
Double-1
Double-2
N-Dimer-1
N-Dimer-2
kpoly
Distance from PP to FH2
45
40
35
30
25
20
15
10
5
0
50
100
150
200
250
300
350
400
450
500


Polymerization Rates vs. PP dist to end per individual PRM
Minimum PP length of 4 without interruptions
Single
Double-1
Double-2
N-Dimer-1
N-Dimer-2
kpoly
Distance from PP to end
45
40
35
30
25
20
15
10
5
0
50
100
150
200
250
300
350
400
450
500


Change in Polymerization Rates vs. PP length per individual PRM
Minimum PP length of 4 without interruptions
kpoly Dimer/ kpoly Double
Length of PP
a
b
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
4
6
8
10
12
14
16
18
20
22


Change in Polymerization Rates vs. PP dist to FH2 per individual PRM
Minimum PP length of 4 without interruptions
a
b
kpoly Dimer/ kpoly Double
Distance from PP to FH2
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0
50
100
150
200
250
300
350
400
450
500


Change in Polymerization Rates vs. PP dist to end per individual PRM
Minimum PP length of 4 without interruptions
kpoly Dimer/ kpoly Double
Distance from PP to end
a
b
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0
50
100
150
200
250
300
350
400
450
500