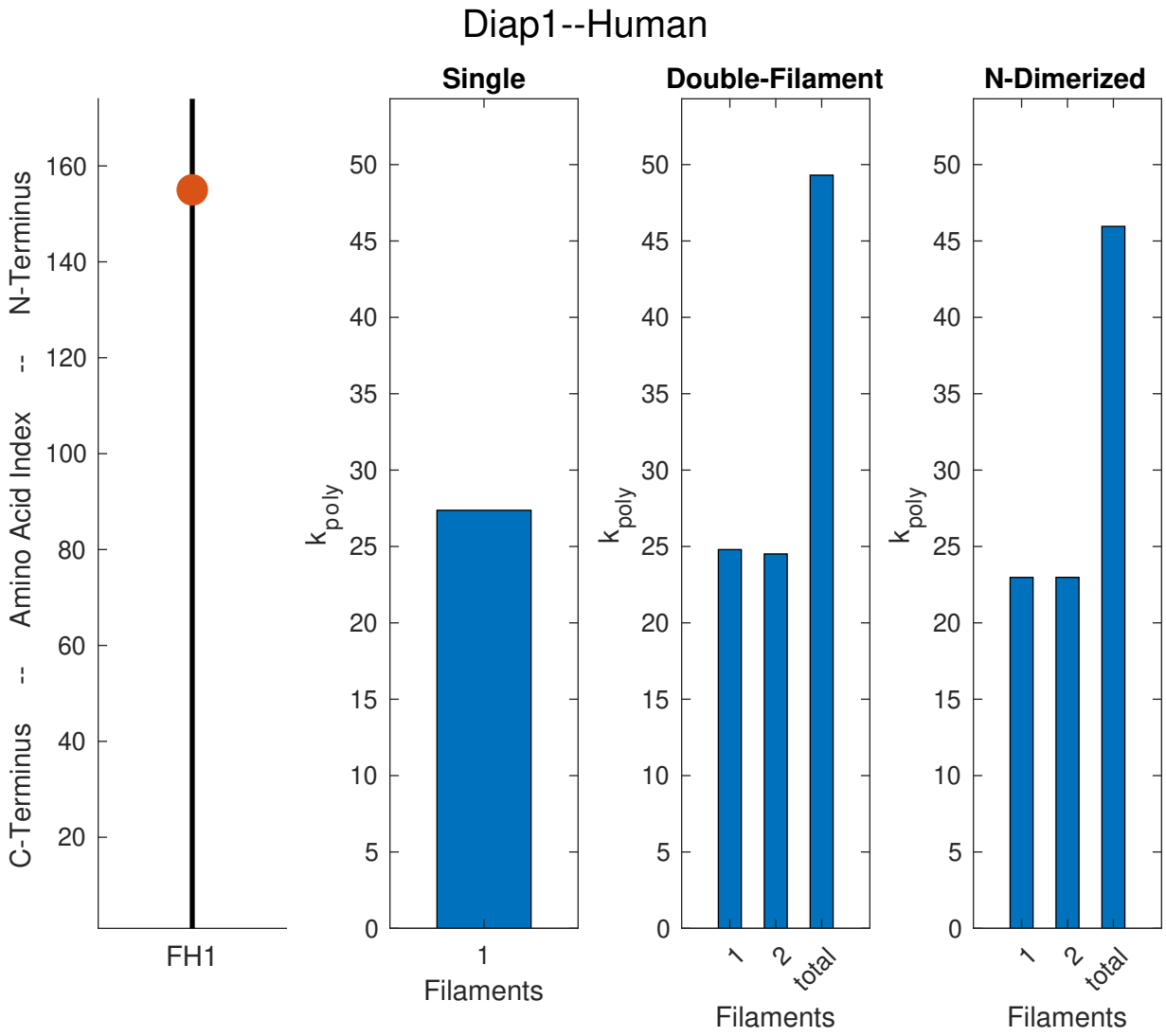
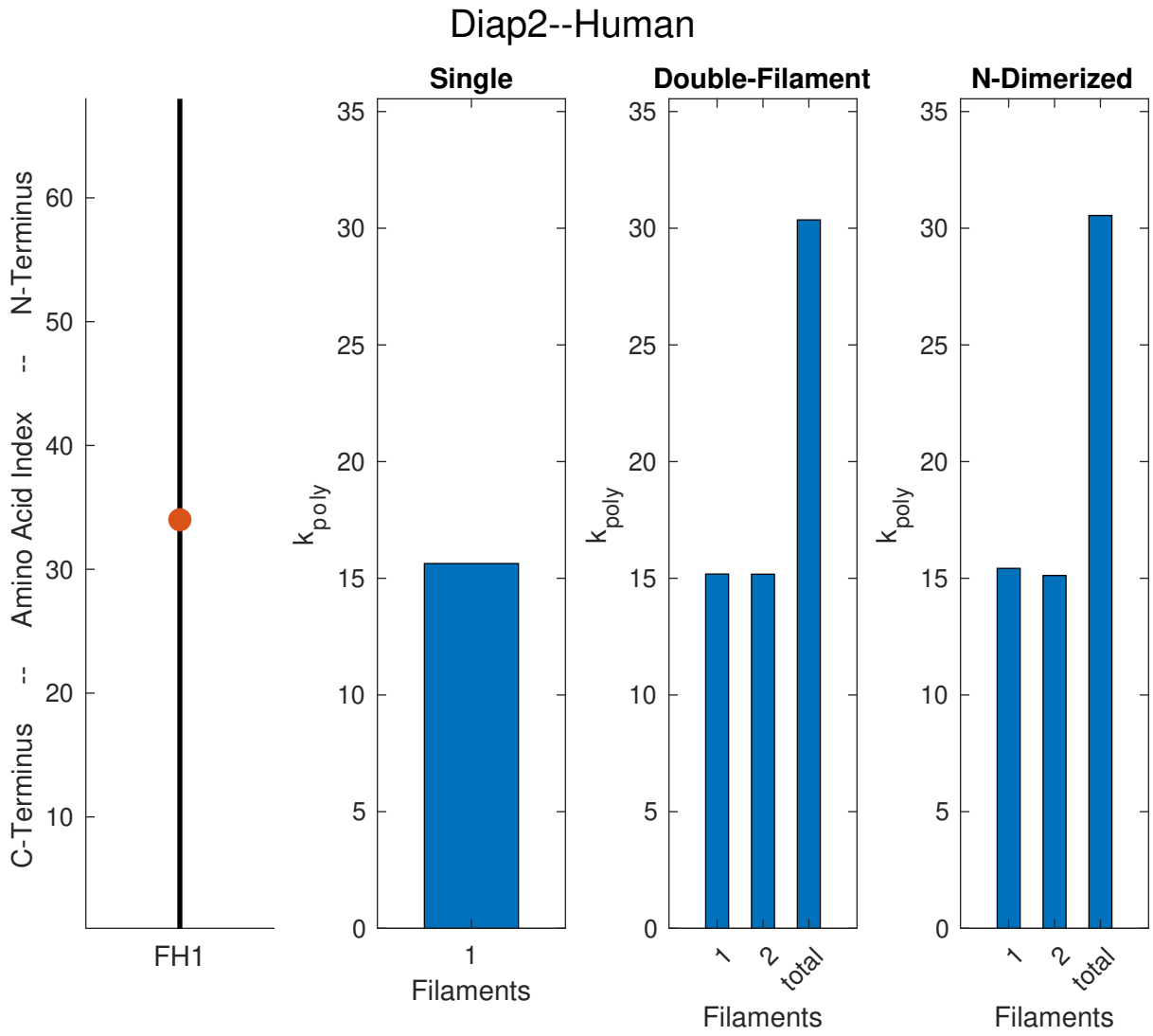
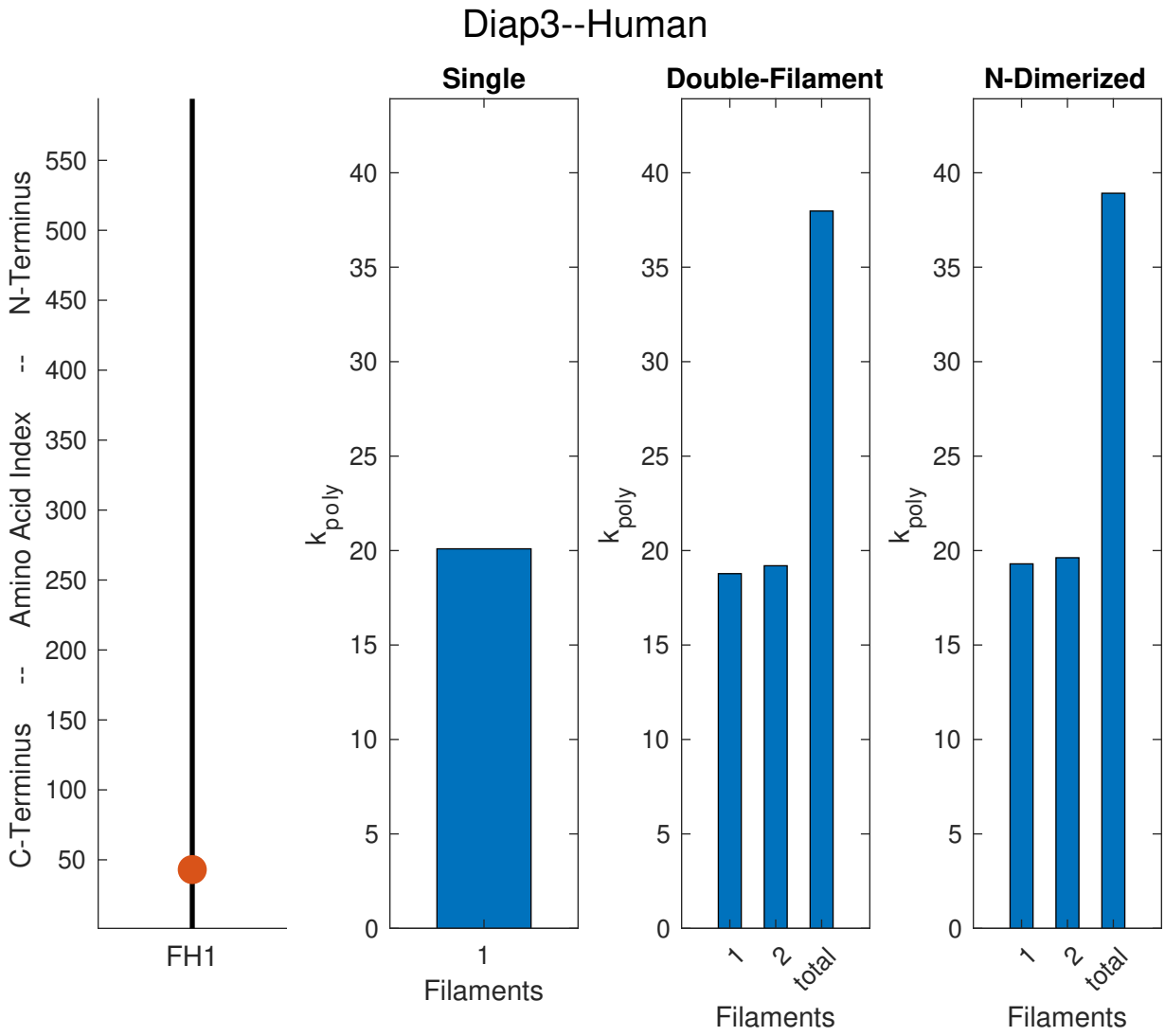
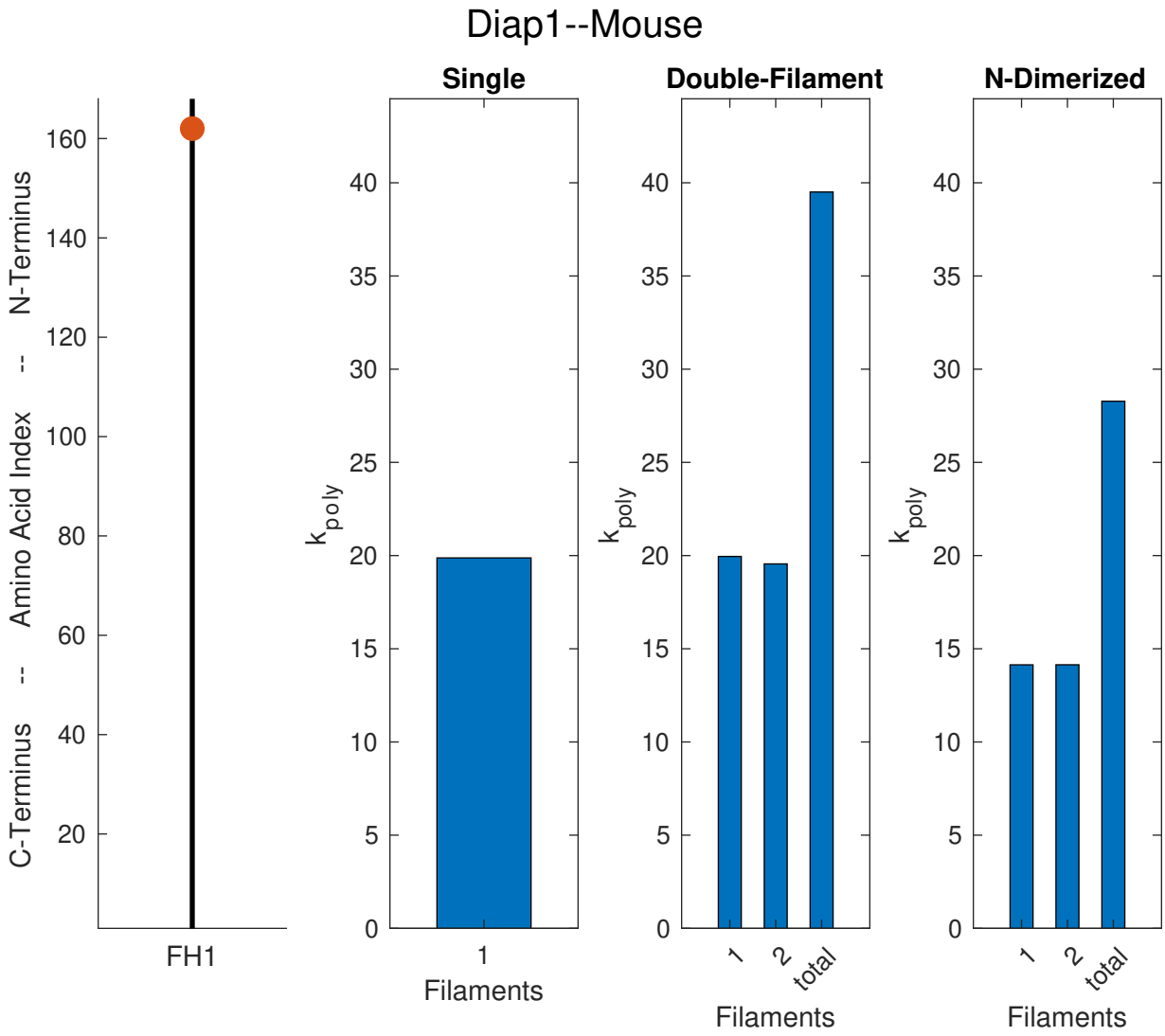
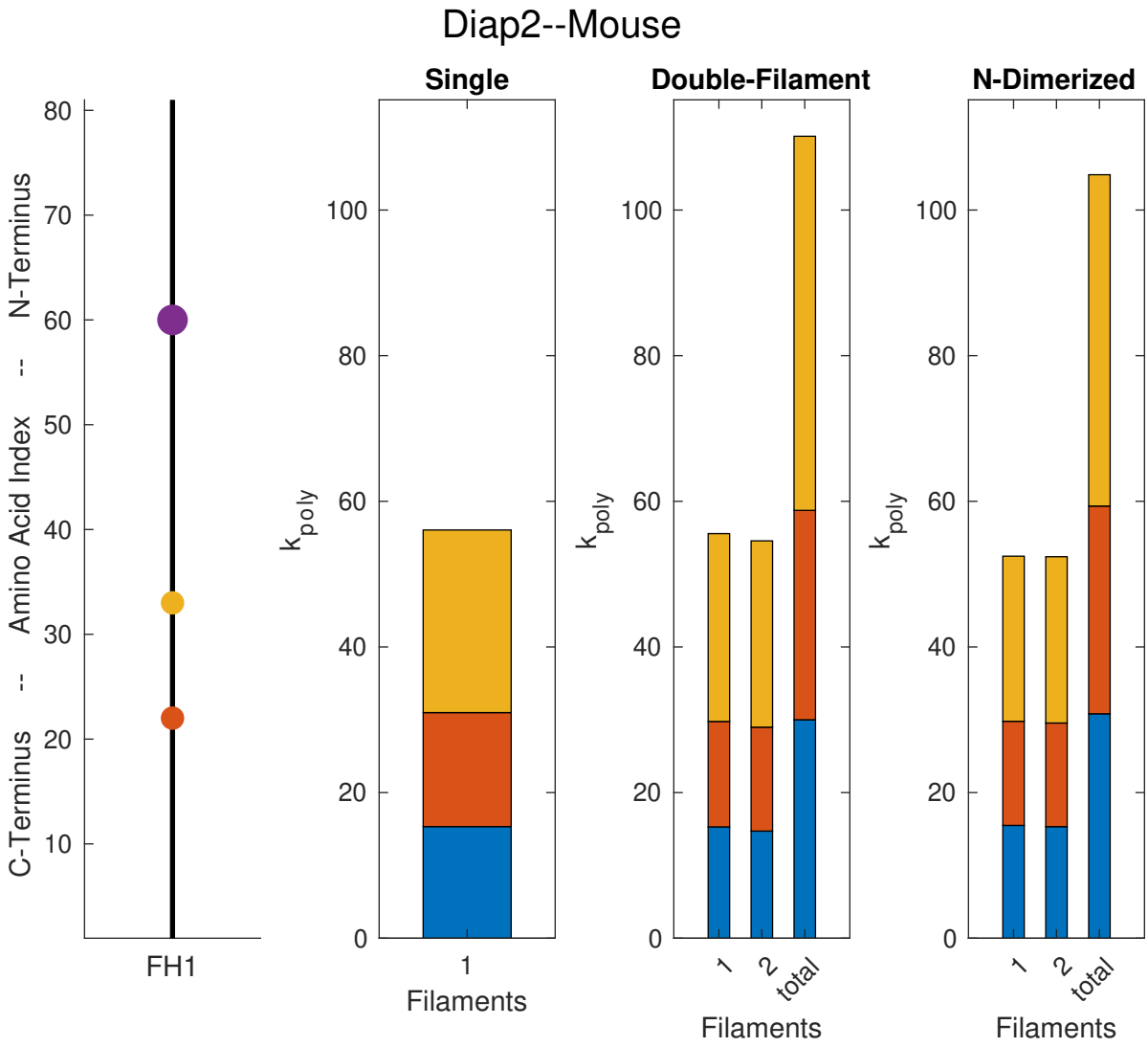
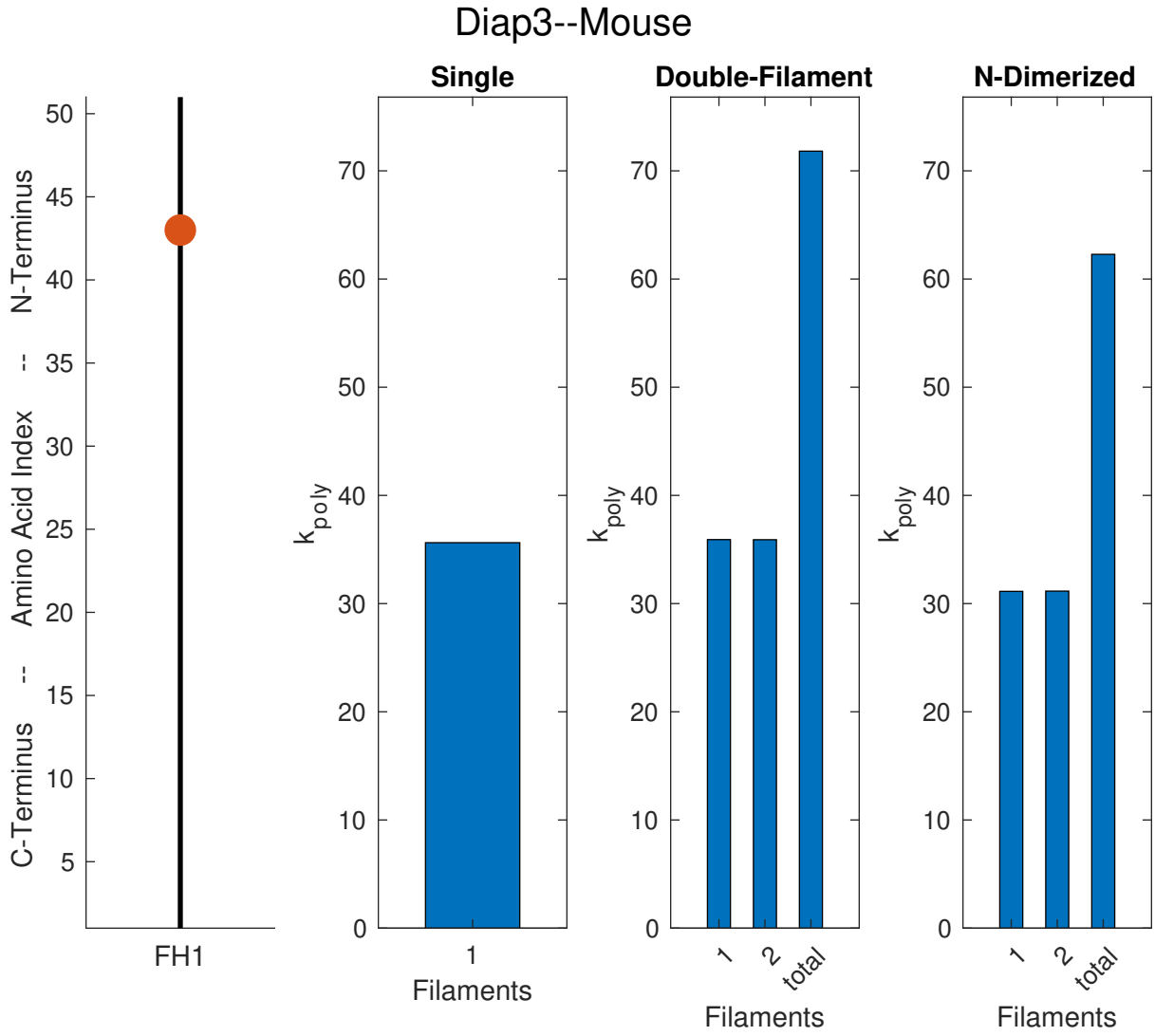

Diap1--Human
Single
Double-Filament
N-Dimerized
C-Terminus -- Amino Acid Index -- N-Terminus
20
40
60
80
100
120
140
160
FH1
k_{poly}
0
5
10
15
20
25
30
35
40
45
50
1
Filaments
1
2
total
Filaments
Filaments

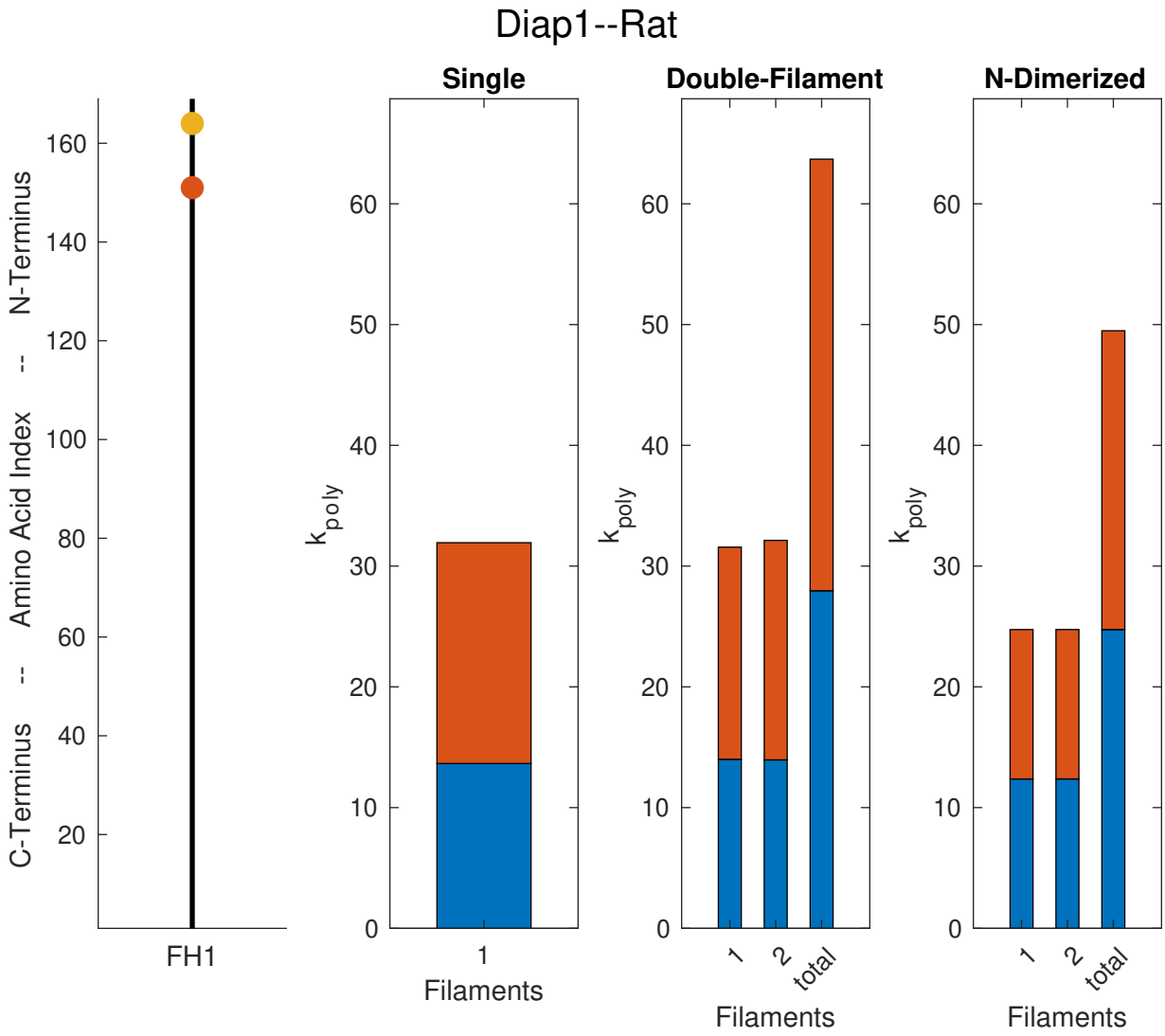

Diap2--Human
Single
Double-Filament
N-Dimerized
C-Terminus -- Amino Acid Index -- N-Terminus
10
20
30
40
50
60
FH1
k_{poly}
0
5
10
15
20
25
30
35
1
Filaments
1
2
total
Filaments
Filaments

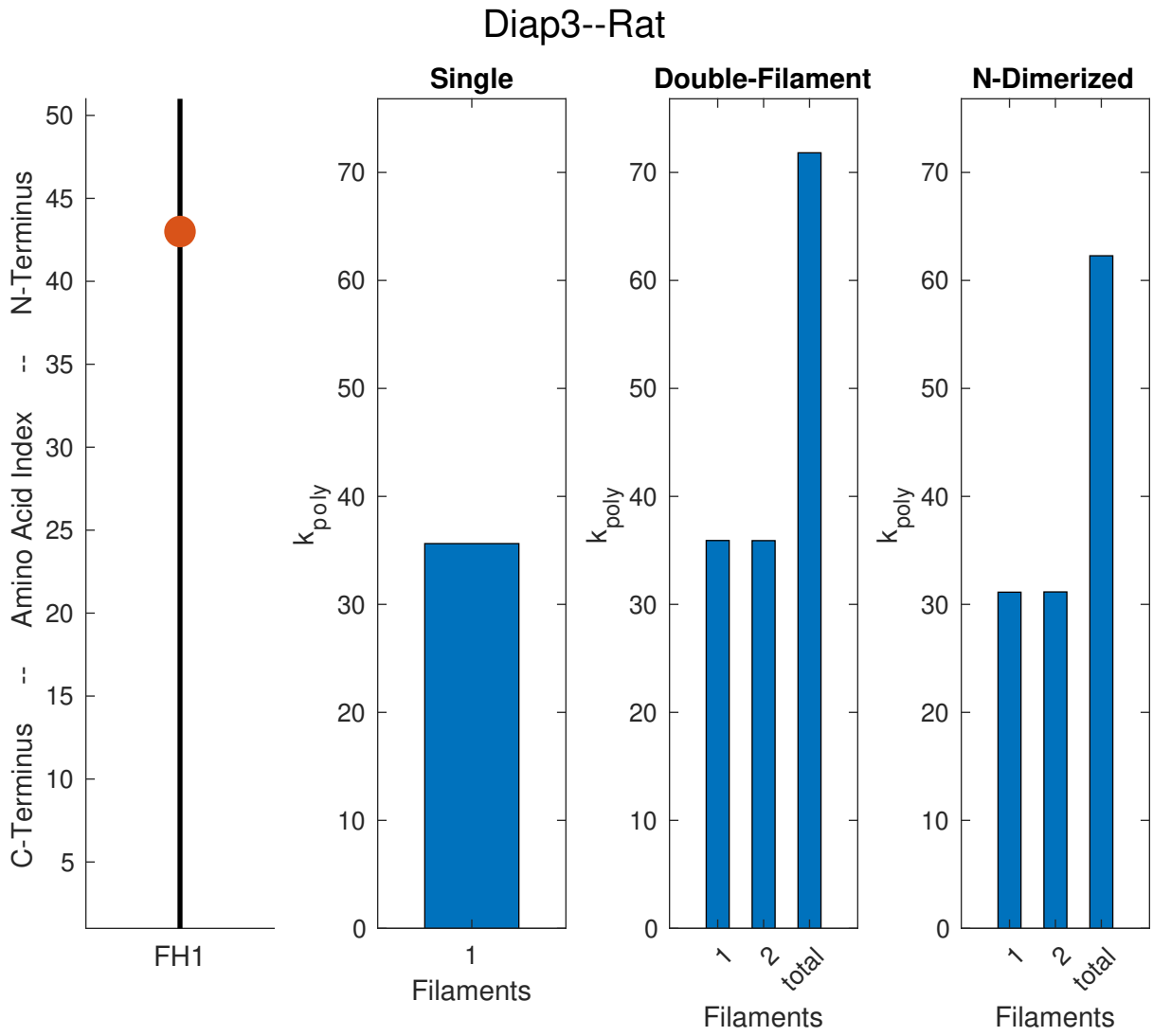

Diap3--Human
Single
Double-Filament
N-Dimerized
C-Terminus -- Amino Acid Index -- N-Terminus
550
500
450
400
350
300
250
200
150
100
50
FH1
k poly
40
35
30
25
20
15
10
5
0
1
Filaments
1
2
total
Filaments
Filaments

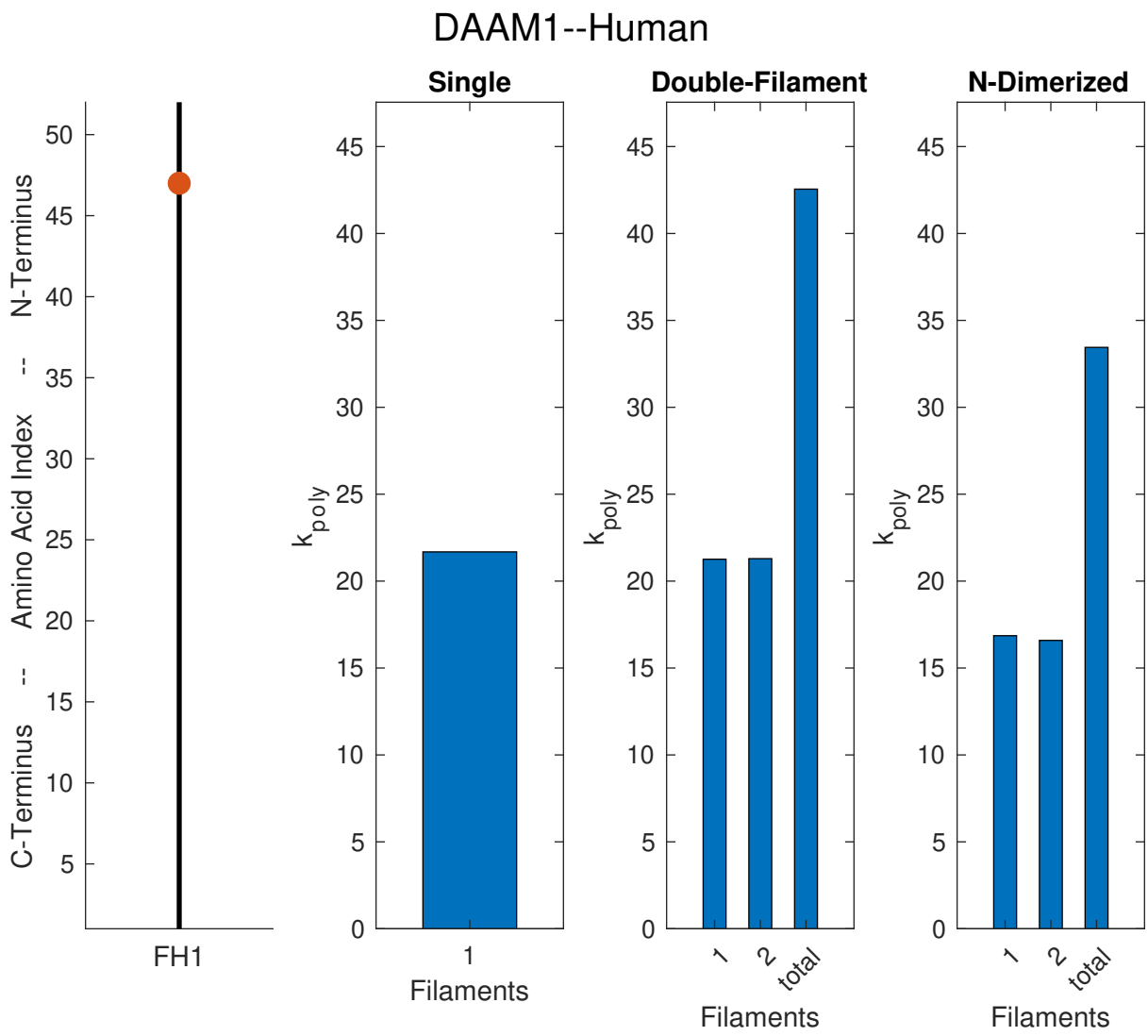

Diap1--Mouse
Single
Double-Filament
N-Dimerized
C-Terminus -- Amino Acid Index -- N-Terminus
FH1
k_{poly}
Filaments
1
2
total

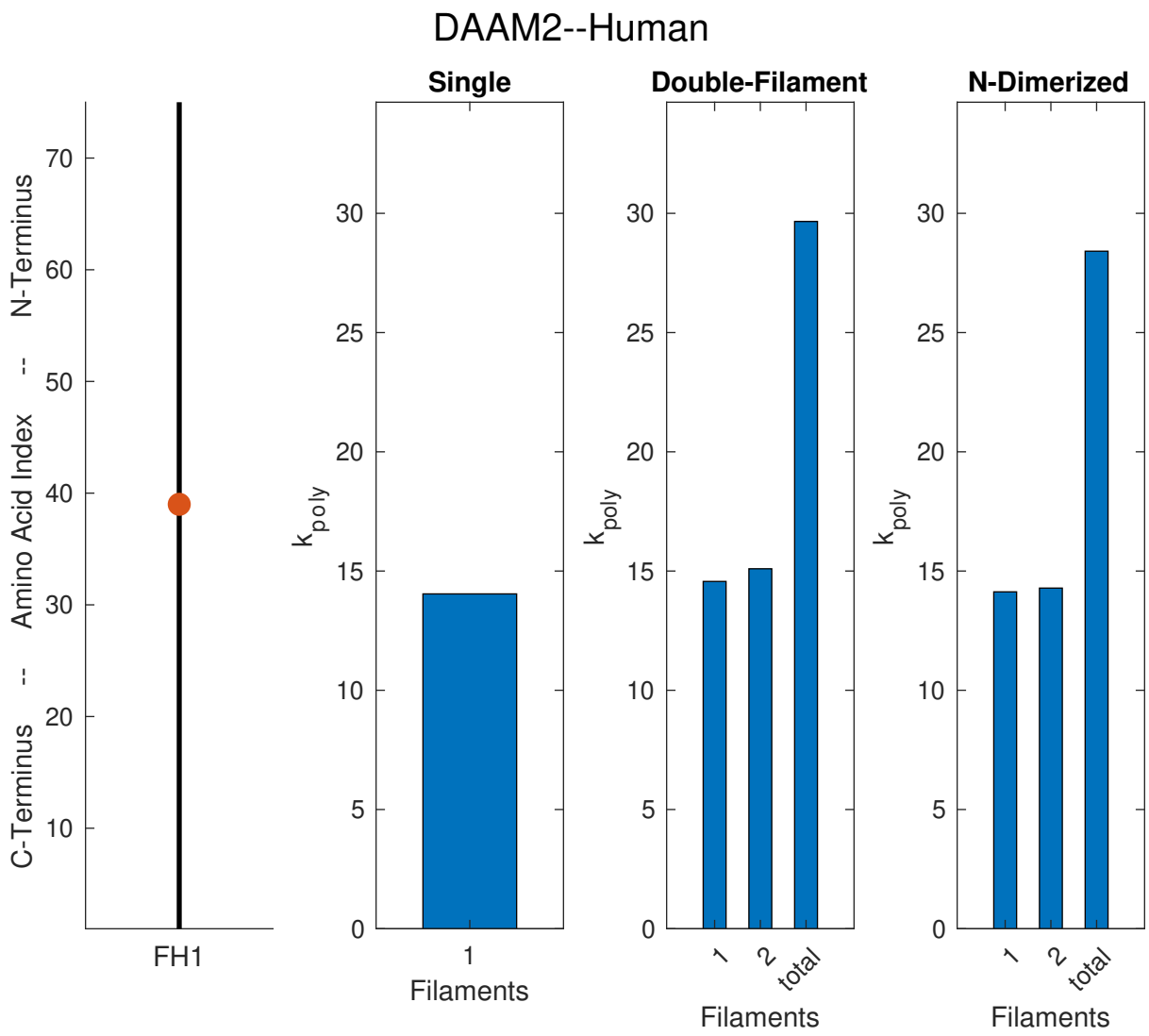

Diap2--Mouse
C-Terminus -- Amino Acid Index -- N-Terminus
80
70
60
50
40
30
20
10
FH1
Single
Double-Filament
N-Dimerized
k_{poly}
100
80
60
40
20
0
1
2
total
Filaments

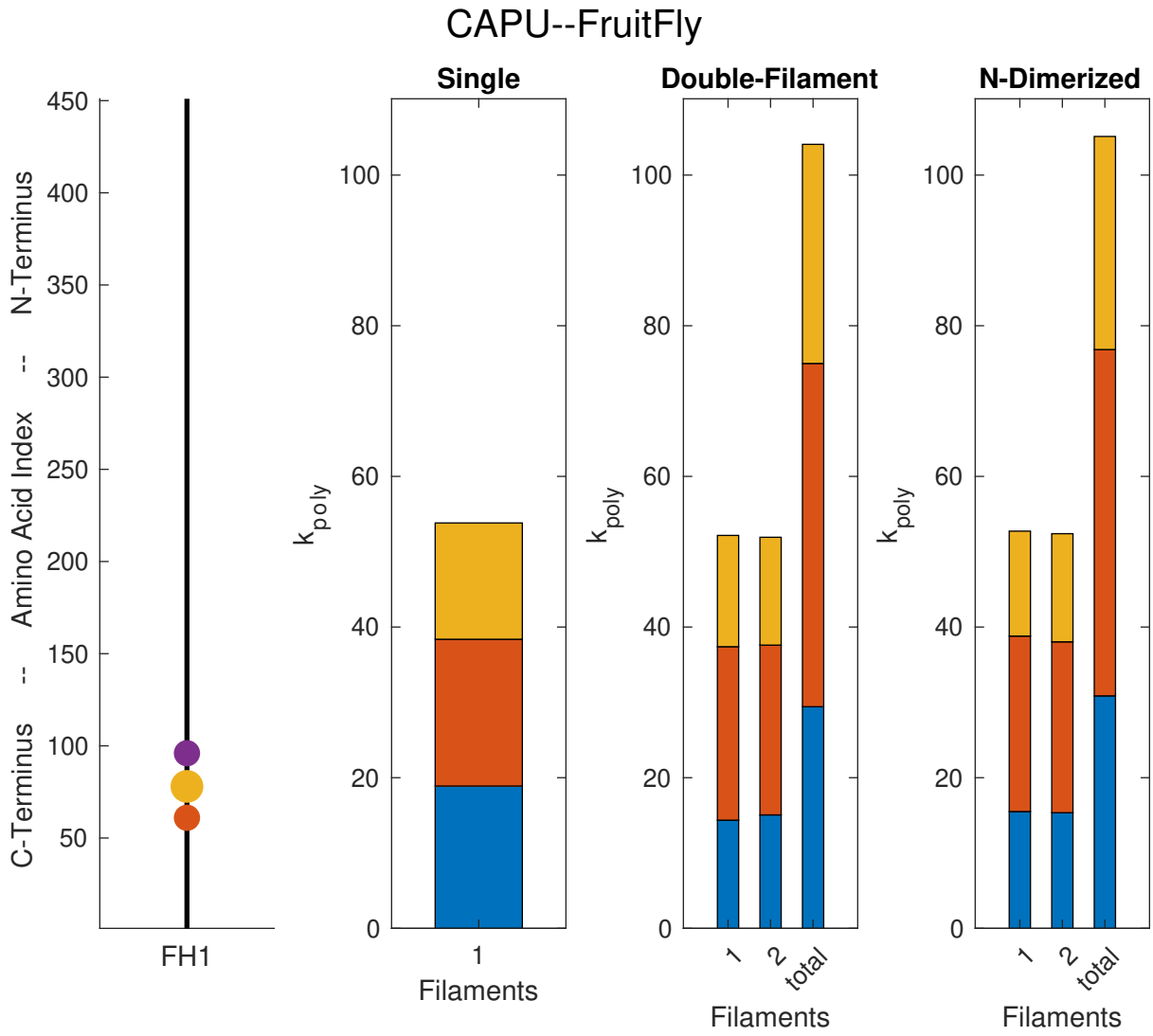

Diap3--Mouse
Single
Double-Filament
N-Dimerized
C-Terminus -- Amino Acid Index -- N-Terminus
50
45
40
35
30
25
20
15
10
5
FH1
k_{poly}
70
60
50
40
30
20
10
0
1
Filaments
1
2
total
Filaments
Filaments

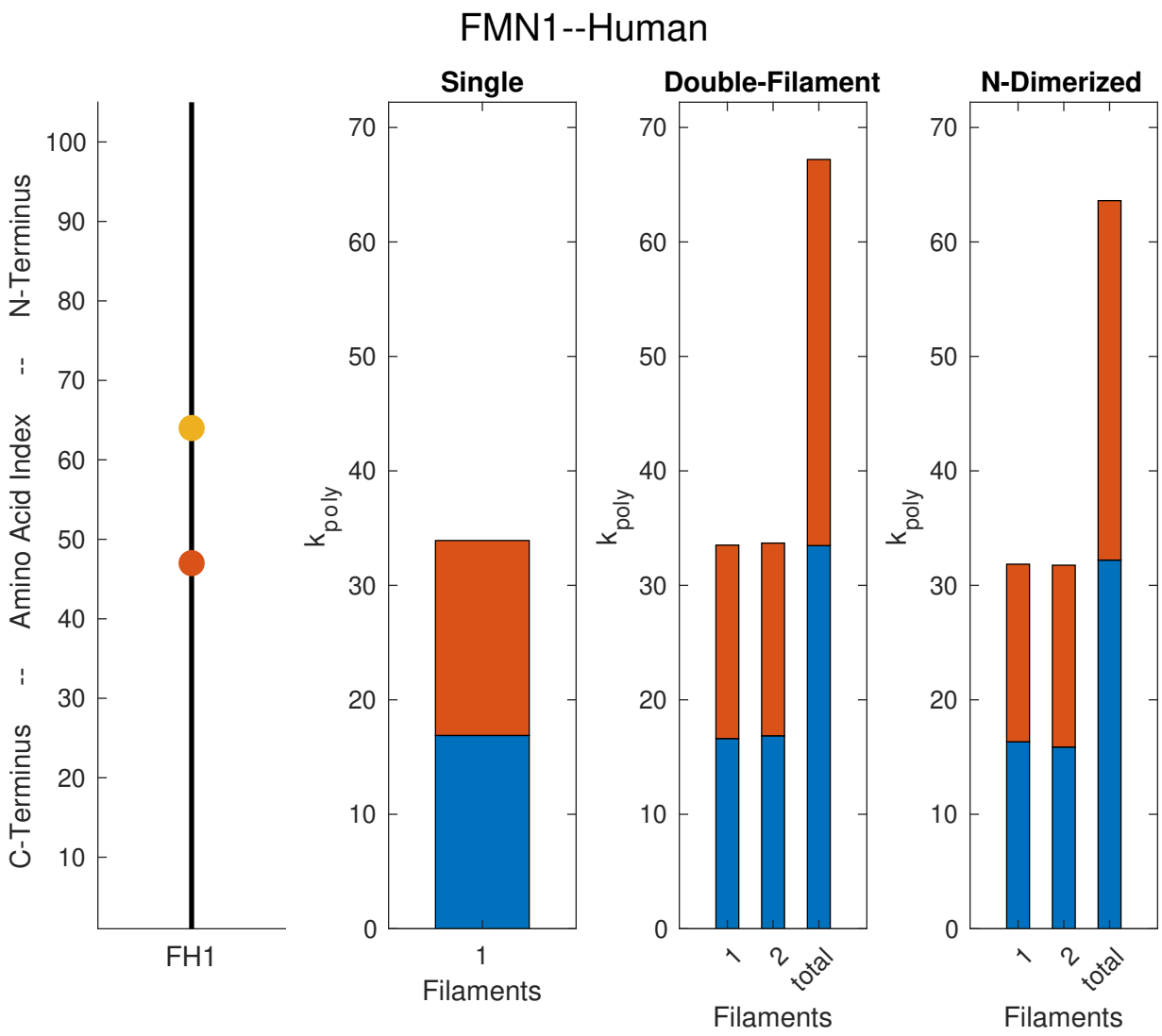

Diap1--Rat
C-Terminus -- Amino Acid Index -- N-Terminus
20
40
60
80
100
120
140
160
FH1
Single
Double-Filament
N-Dimerized
k_{poly}
0
10
20
30
40
50
60
1
2
total
Filaments

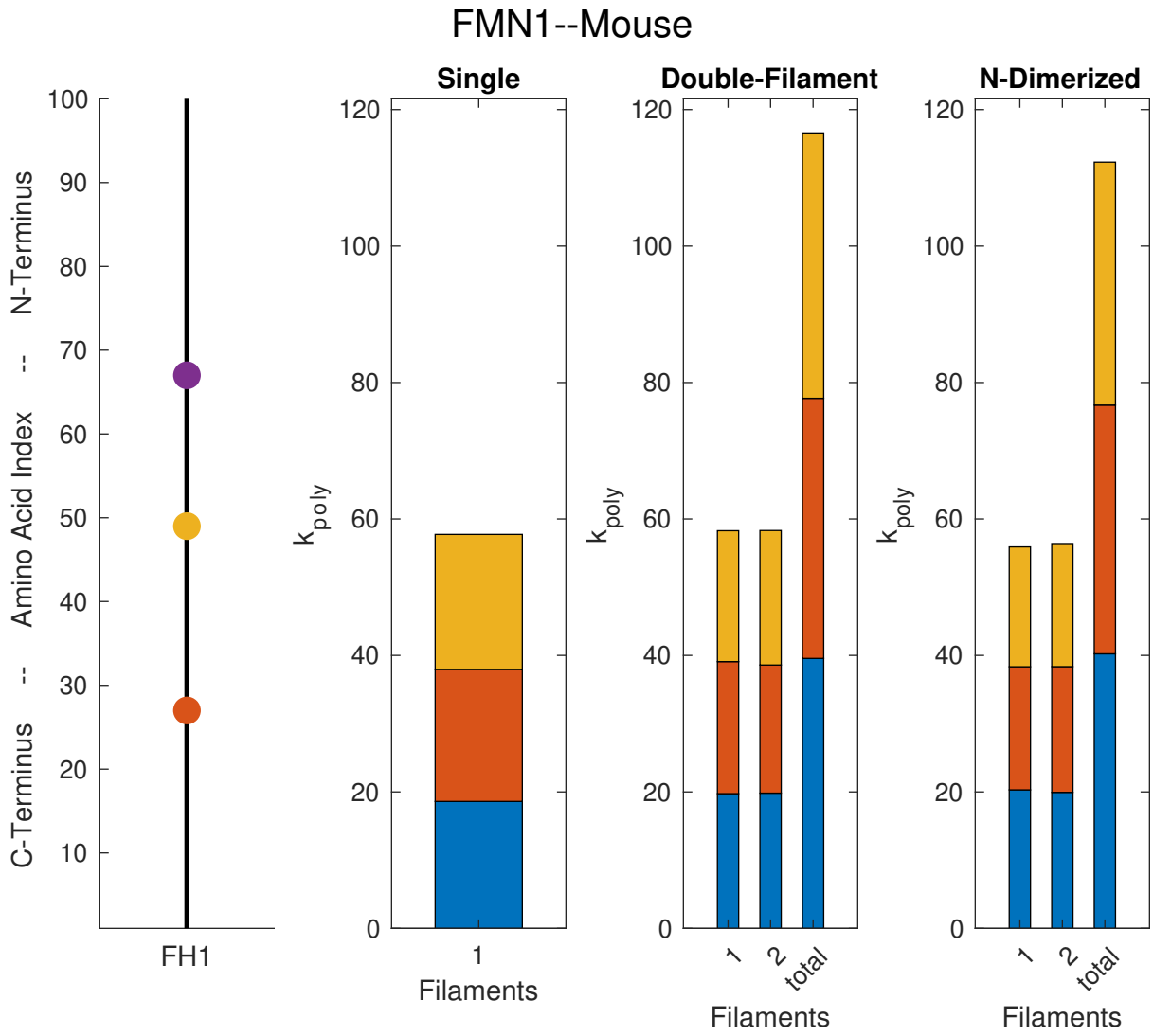

Diap3--Rat
Single
Double-Filament
N-Dimerized
C-Terminus -- Amino Acid Index -- N-Terminus
FH1
k_{poly}
Filaments
1
2
total

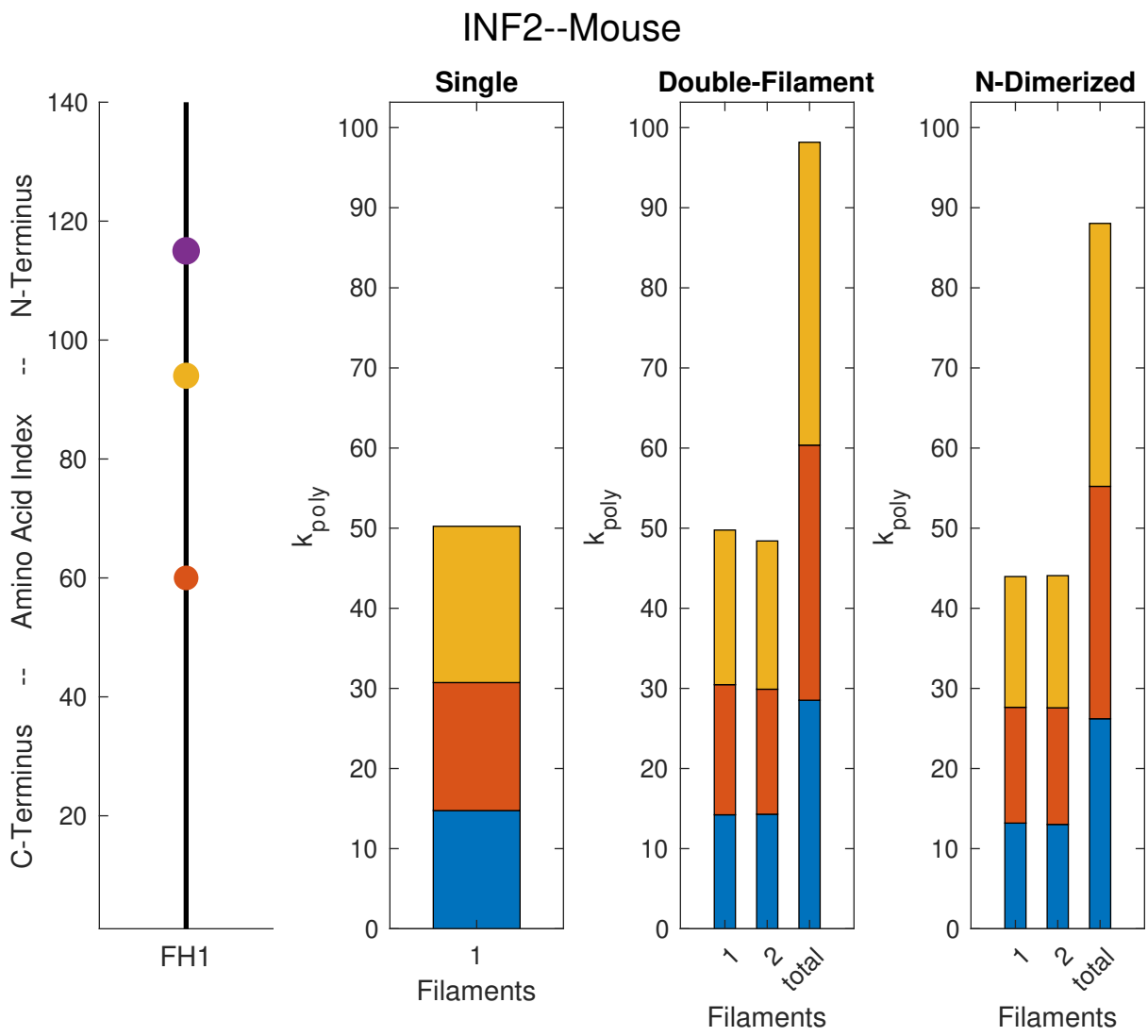

DAAM1--Human
Single
Double-Filament
N-Dimerized
C-Terminus -- Amino Acid Index -- N-Terminus
FH1
k_{poly}
1
2
total
Filaments

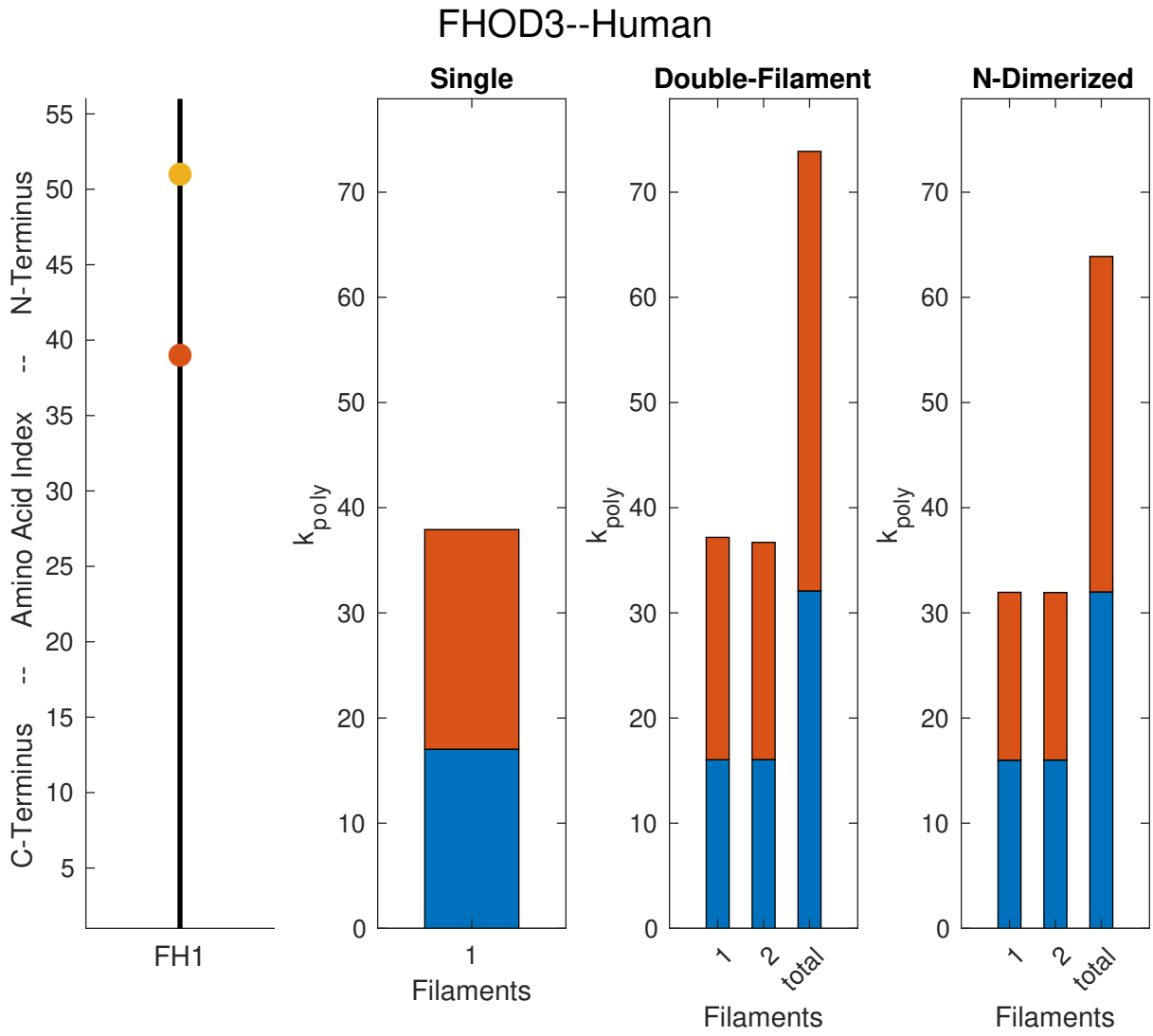

DAAM2--Human
Single
Double-Filament
N-Dimerized
C-Terminus -- Amino Acid Index -- N-Terminus
70
60
50
40
30
20
10
FH1
k_{poly}
30
25
20
15
10
5
0
1
Filaments
1
2
total
Filaments
Filaments

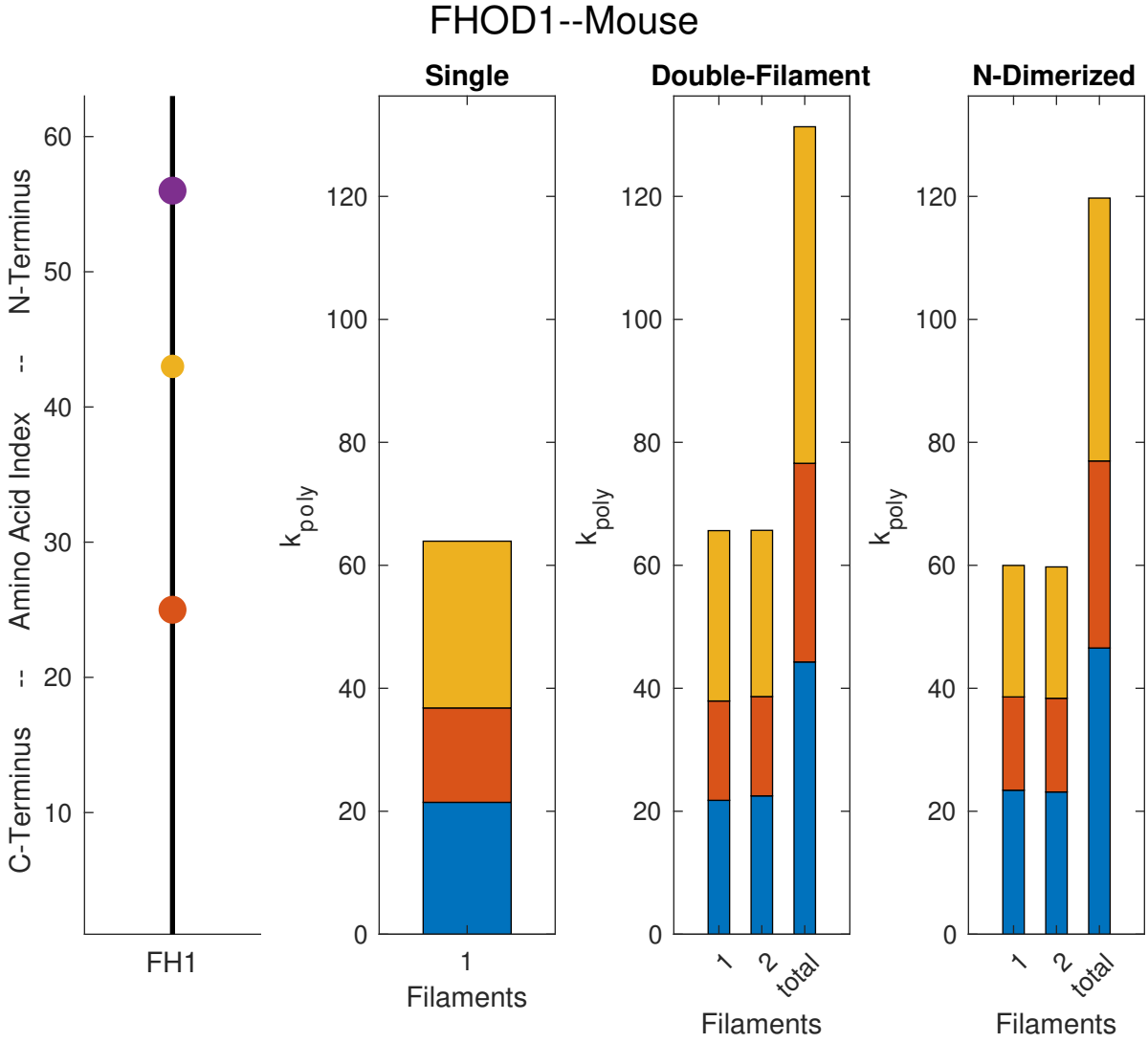

CAPU--FruitFly
C-Terminus -- Amino Acid Index -- N-Terminus
450
400
350
300
250
200
150
100
50
FH1
Single
Double-Filament
N-Dimerized
k_poly
0
20
40
60
80
100
1
Filaments
1
2
total
Filaments
Filaments

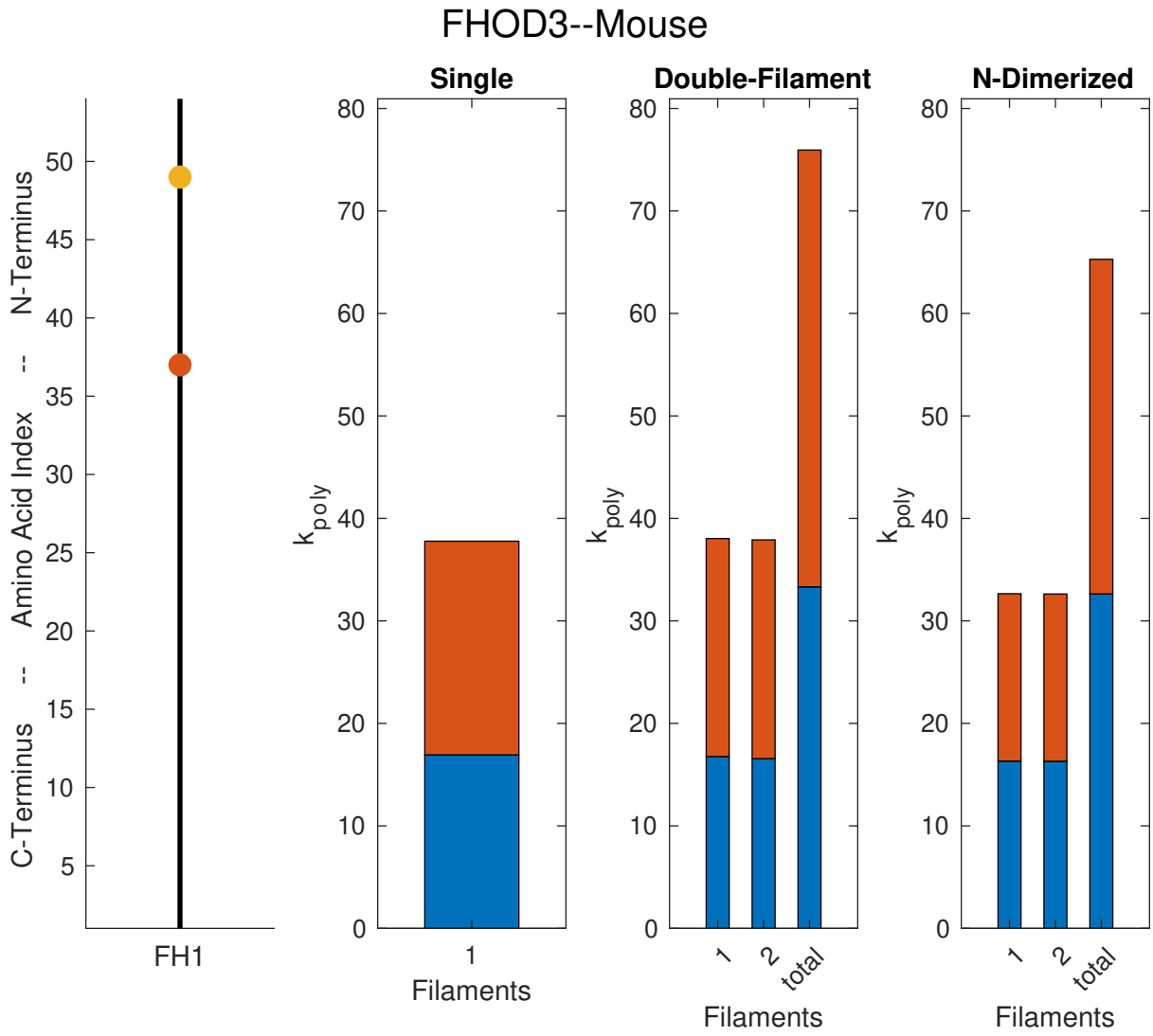

FMN1--Human
C-Terminus -- Amino Acid Index -- N-Terminus
FH1
Single
Double-Filament
N-Dimerized
k poly
Filaments
1
2
total

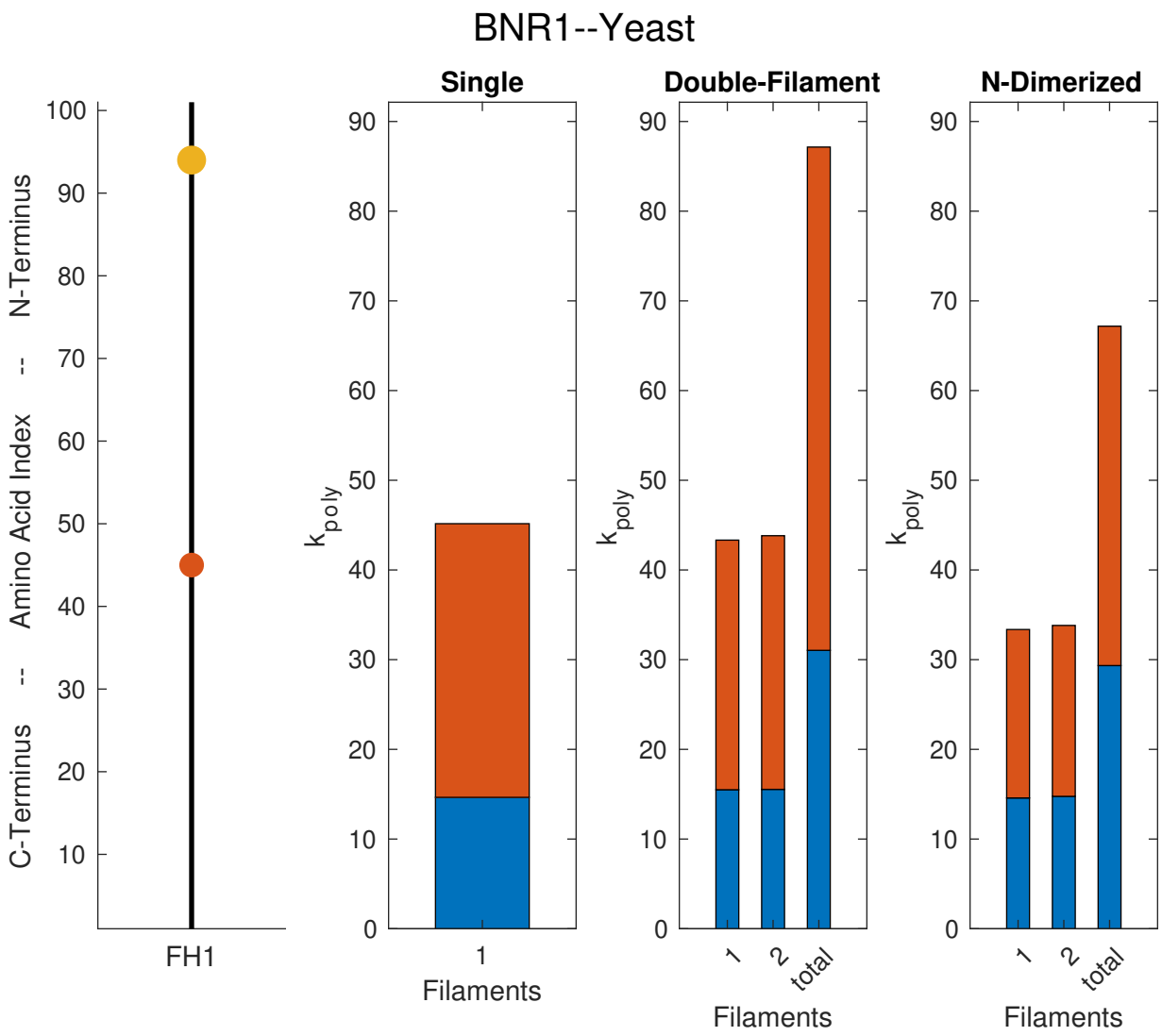

FMN1--Mouse
C-Terminus -- Amino Acid Index -- N-Terminus
100
90
80
70
60
50
40
30
20
10
FH1
Single
Double-Filament
N-Dimerized
k_{poly}
120
100
80
60
40
20
0
1
2
total
Filaments

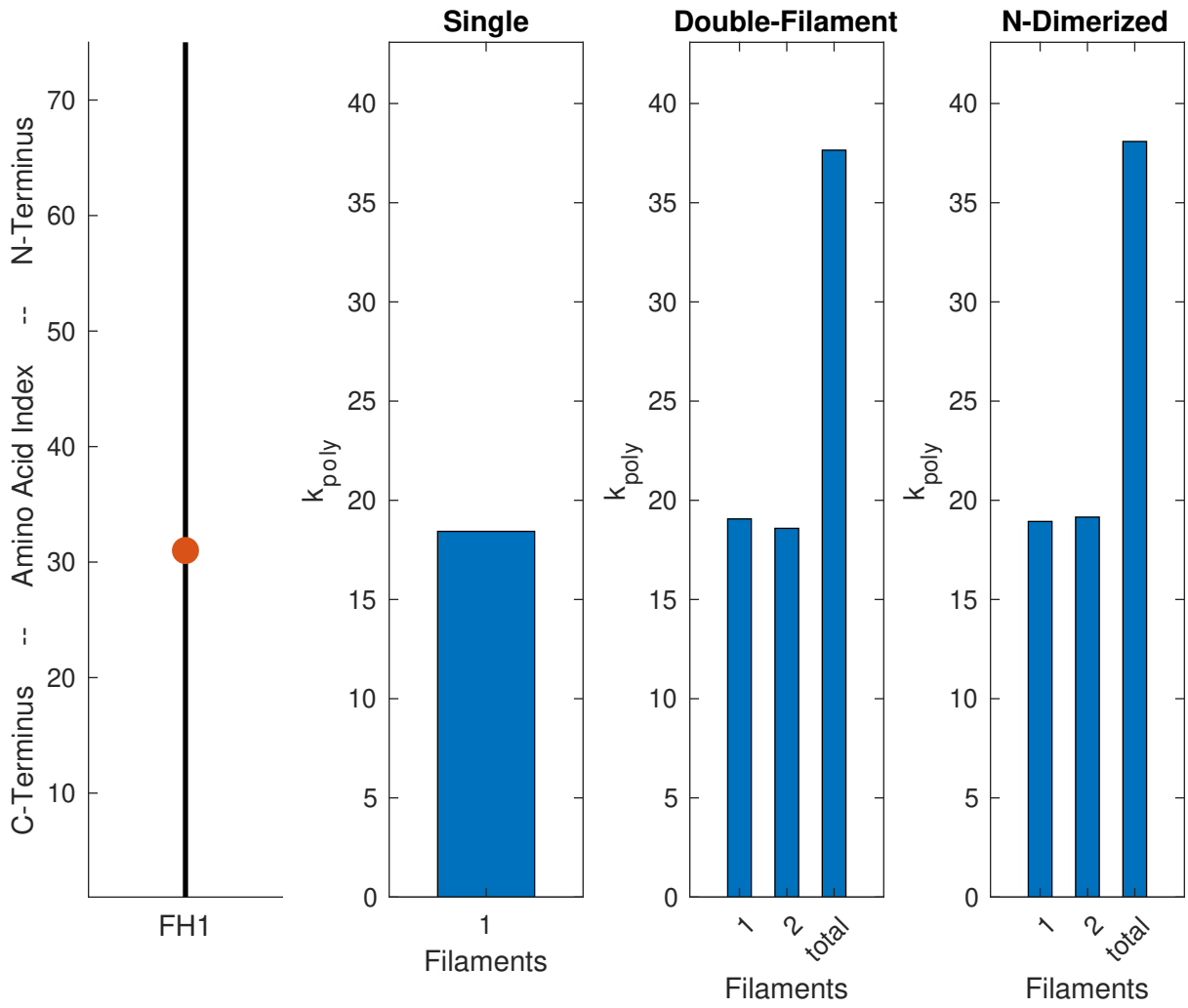

INF2--Mouse
C-Terminus -- Amino Acid Index -- N-Terminus
140
120
100
80
60
40
20
FH1
Single
Double-Filament
N-Dimerized
k_{poly}
100
90
80
70
60
50
40
30
20
10
0
1
Filaments
1
2
total
Filaments
1
2
total
Filaments

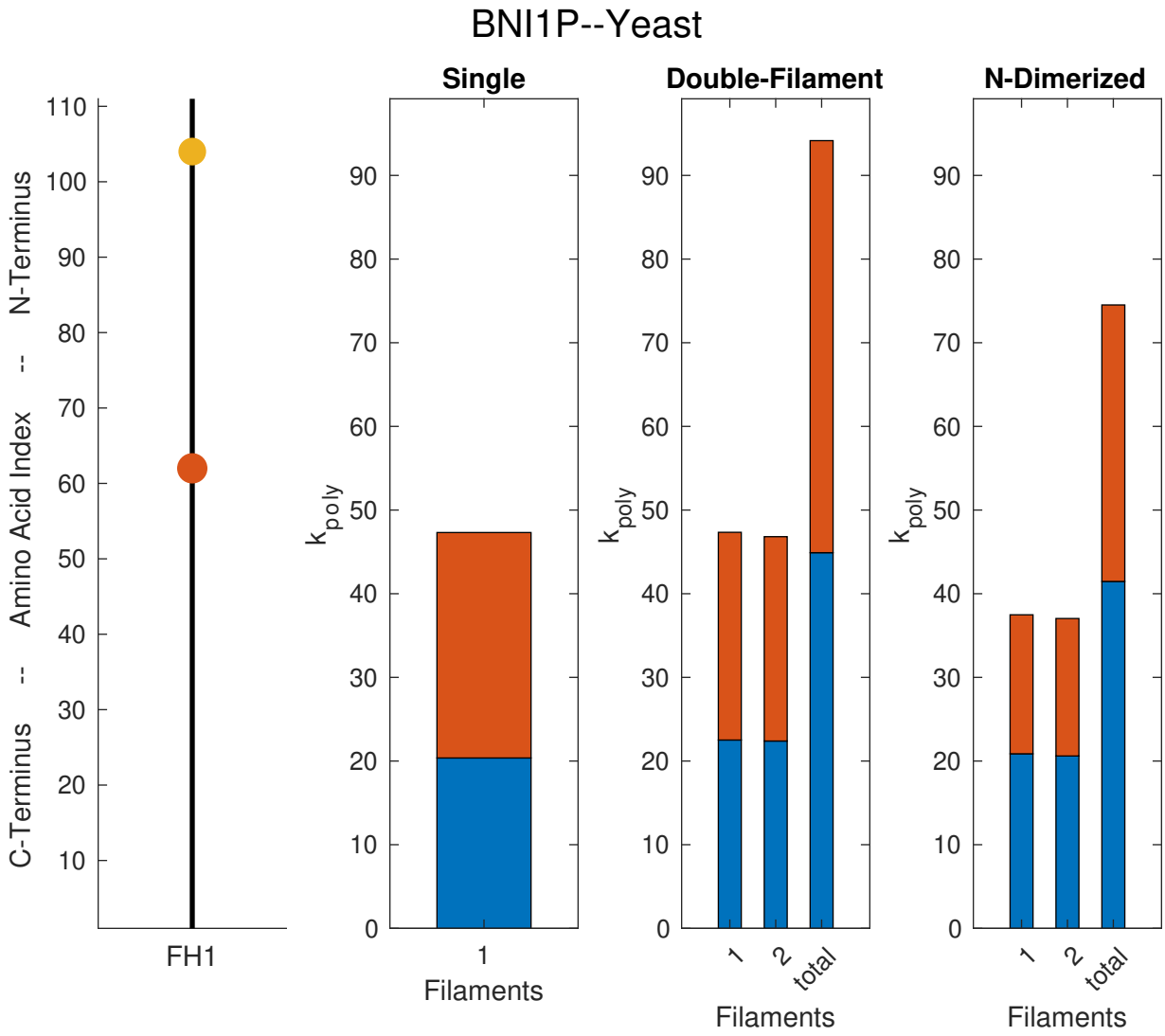

FHOD3--Human
C-Terminus -- Amino Acid Index -- N-Terminus
FH1
Single
Double-Filament
N-Dimerized
k poly
Filaments
1
2
total

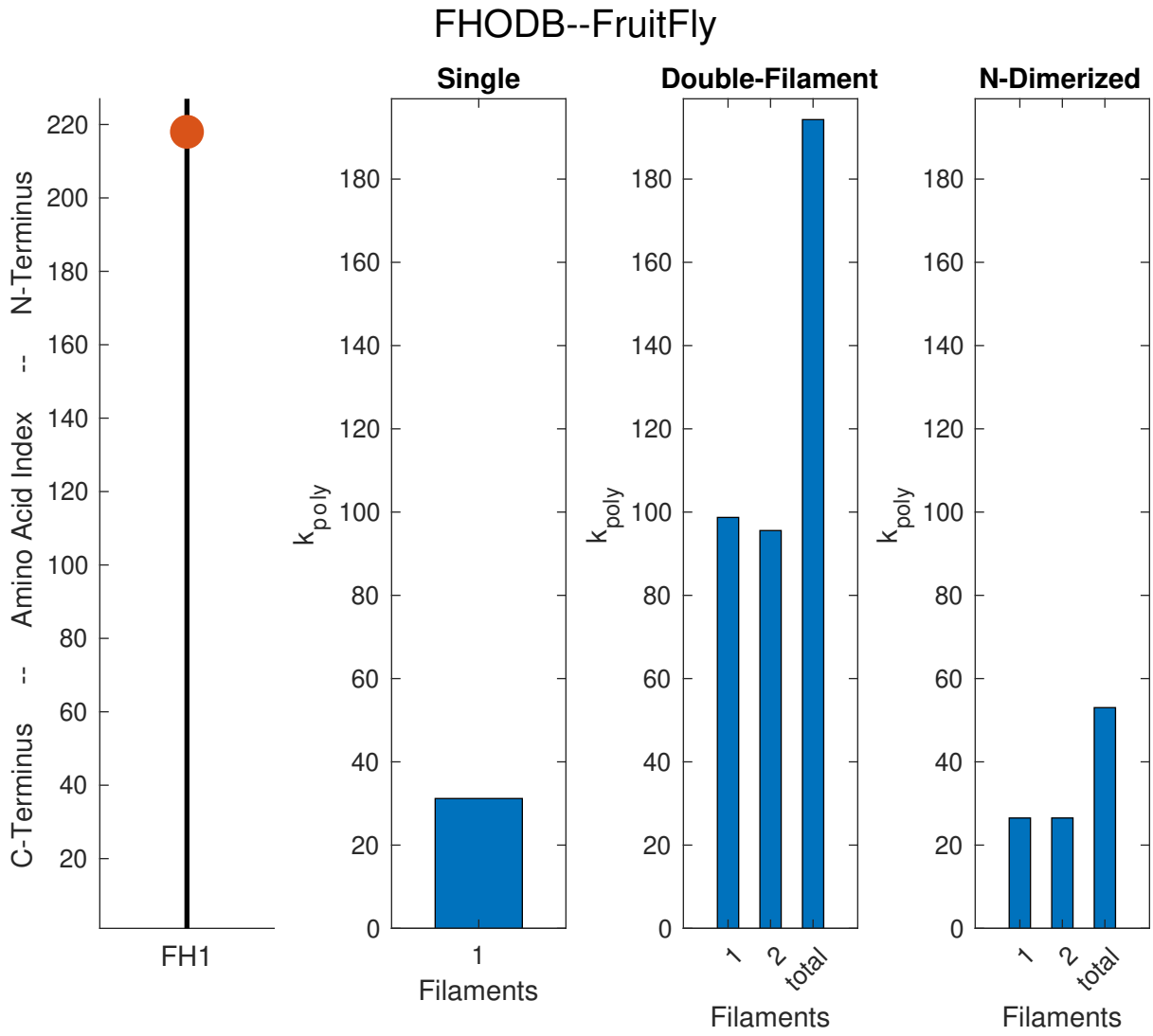

FHOD1--Mouse
C-Terminus -- Amino Acid Index -- N-Terminus
60
50
40
30
20
10
FH1
Single
Double-Filament
N-Dimerized
k_poly
120
100
80
60
40
20
0
1
Filaments
1
2
total
Filaments
Filaments

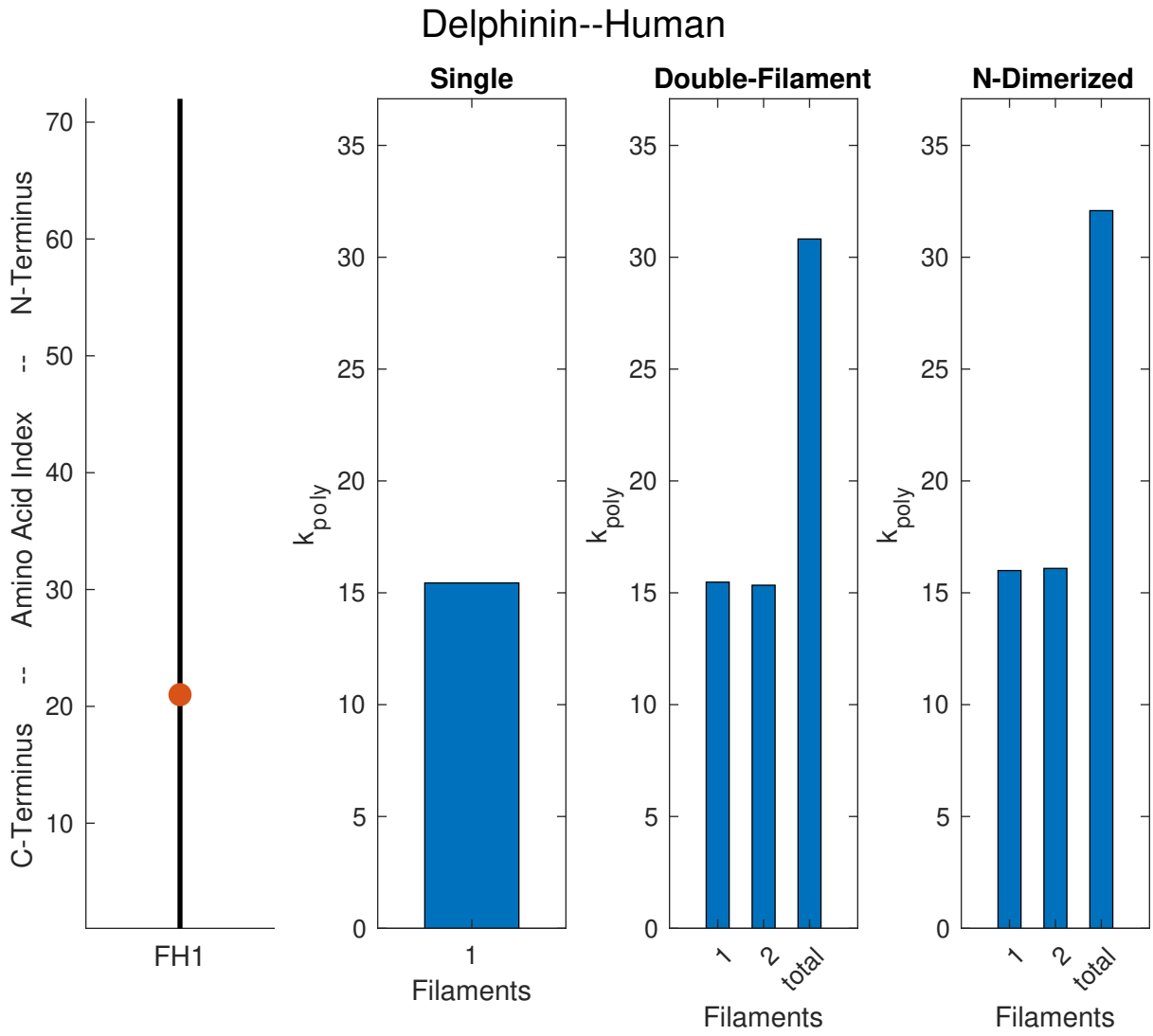

FHOD3--Mouse
C-Terminus -- Amino Acid Index -- N-Terminus
FH1
Single
Double-Filament
N-Dimerized
k poly
Filaments
1
2
total

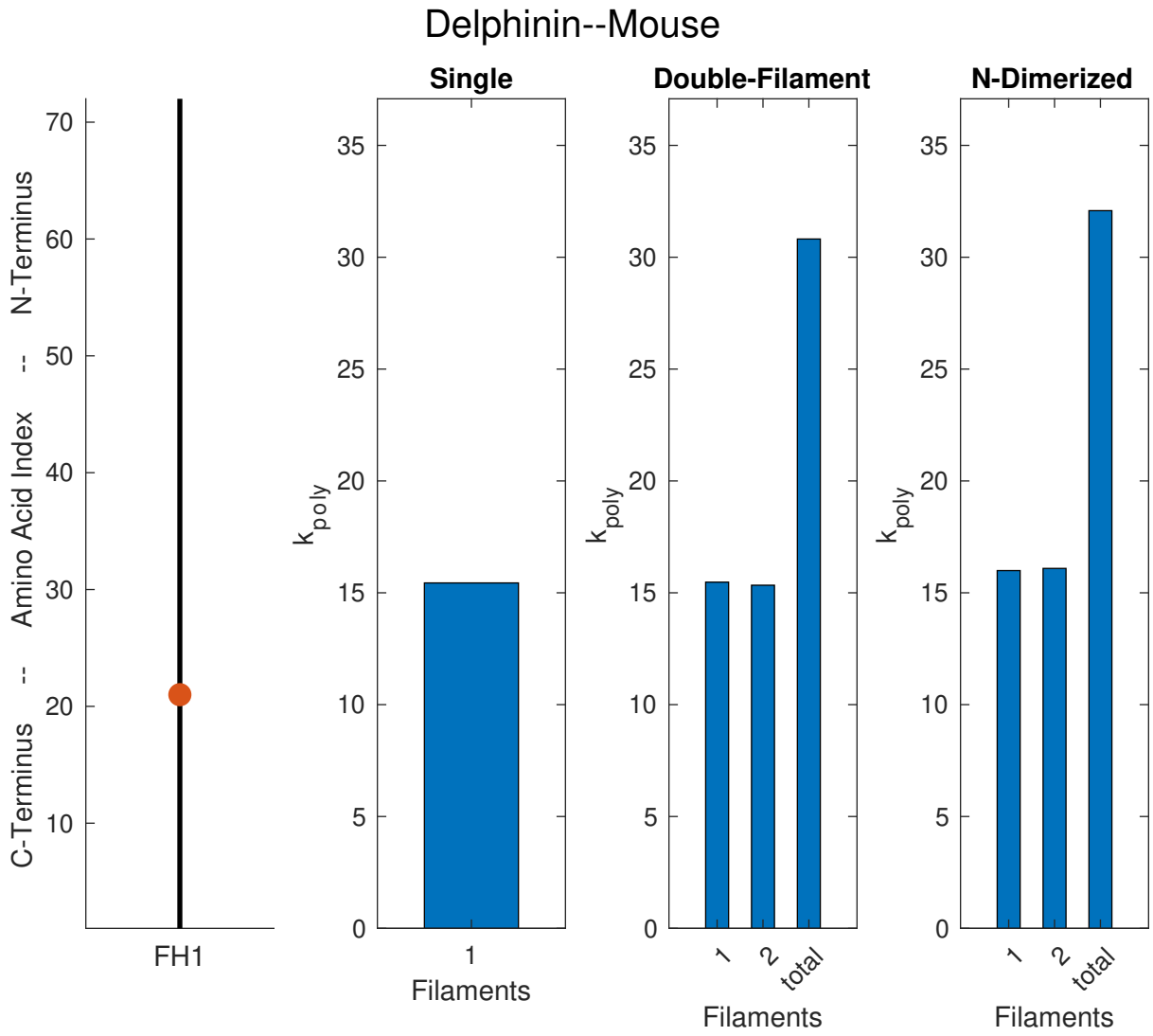

BNR1--Yeast
C-Terminus -- Amino Acid Index -- N-Terminus
100
90
80
70
60
50
40
30
20
10
FH1
Single
Double-Filament
N-Dimerized
k_{poly}
0
10
20
30
40
50
60
70
80
90
1
Filaments
1
2
total
Filaments
Filaments

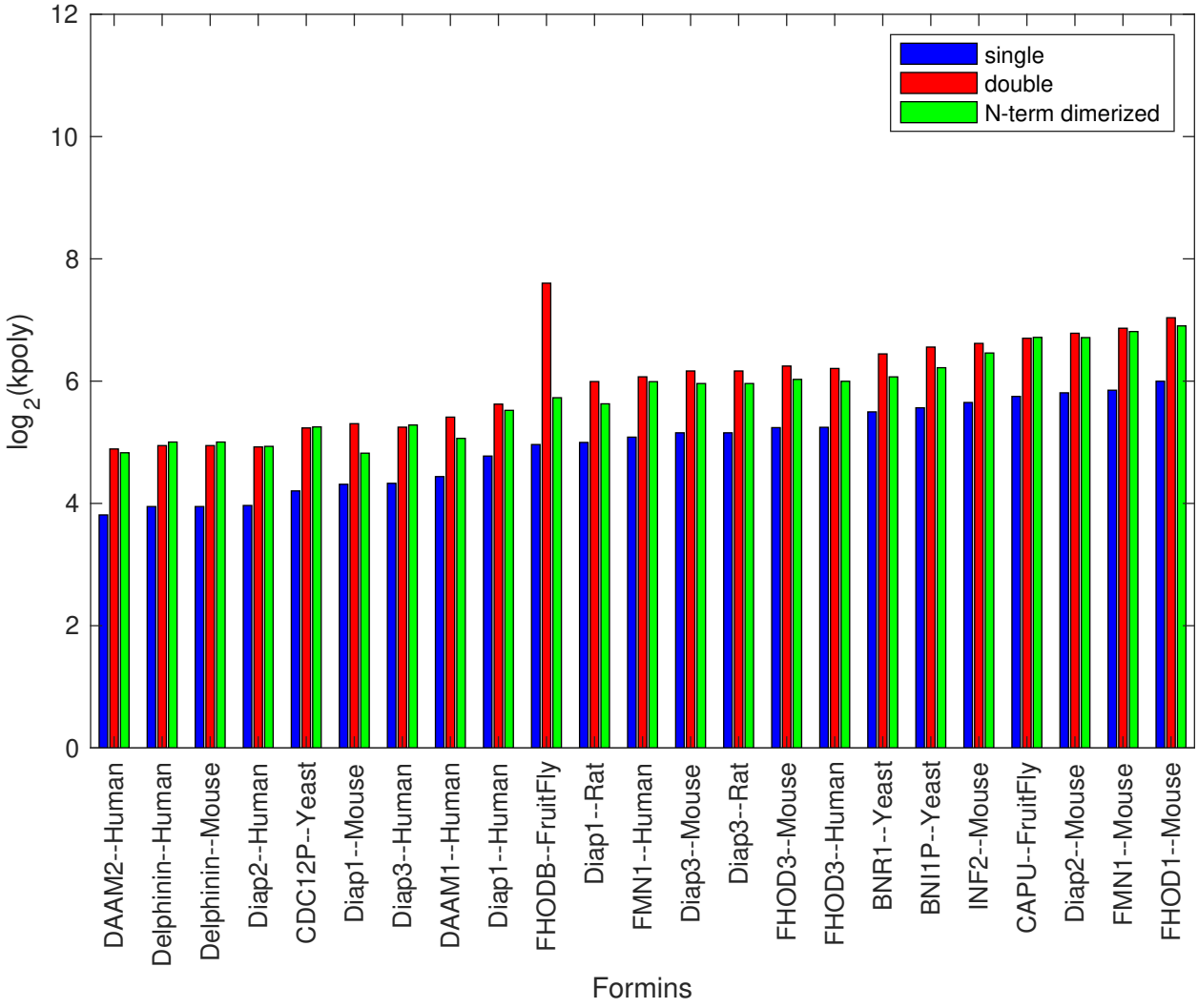

CDC12P--Yeast
Single
Double-Filament
N-Dimerized
C-Terminus -- Amino Acid Index -- N-Terminus
FH1
k_{poly}
Filaments
1
2
total

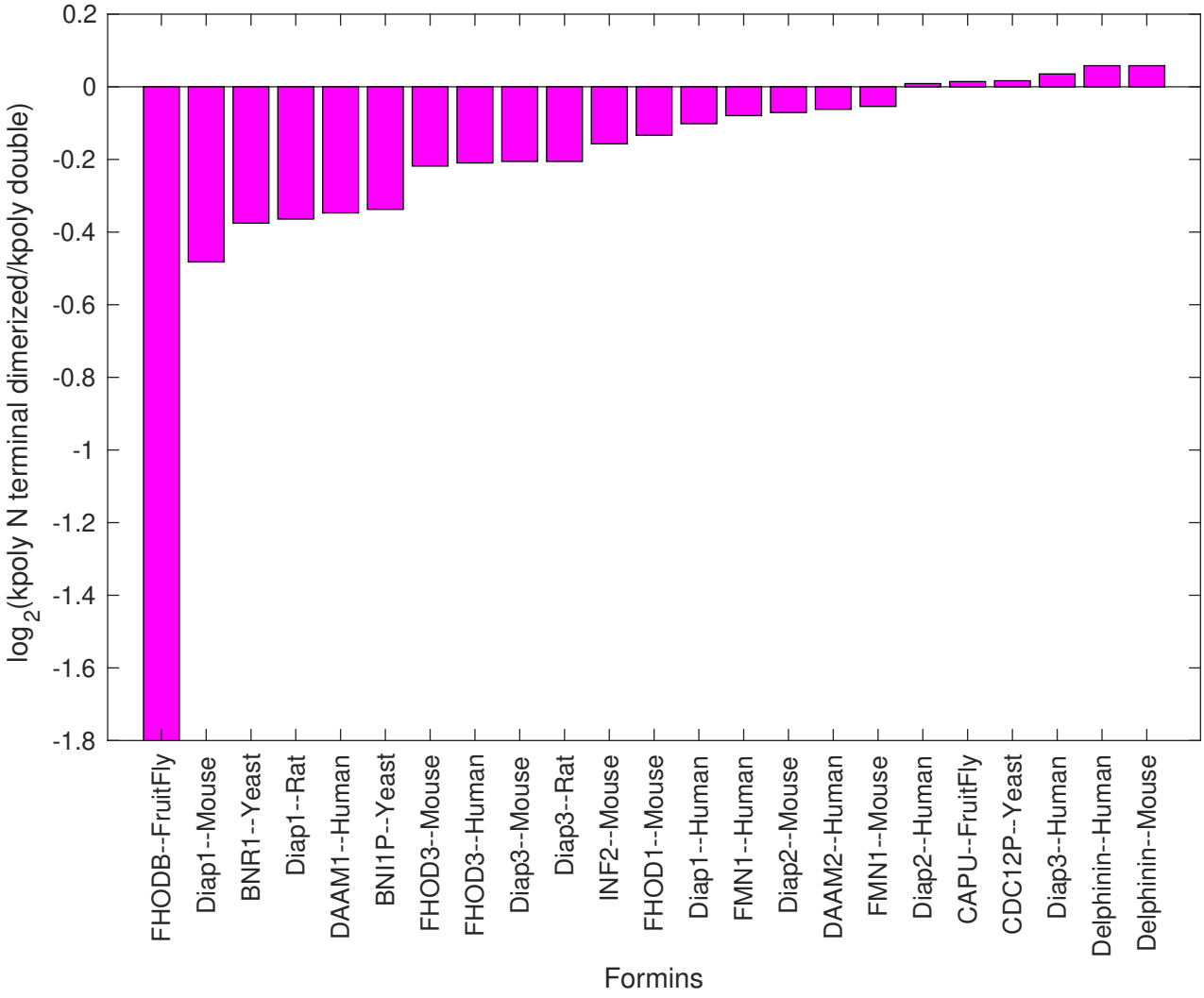

BNI1P--Yeast
C-Terminus -- Amino Acid Index -- N-Terminus
110
100
90
80
70
60
50
40
30
20
10
FH1
Single
Double-Filament
N-Dimerized
k poly
0
10
20
30
40
50
60
70
80
90
1
Filaments
1
2
total
Filaments
Filaments

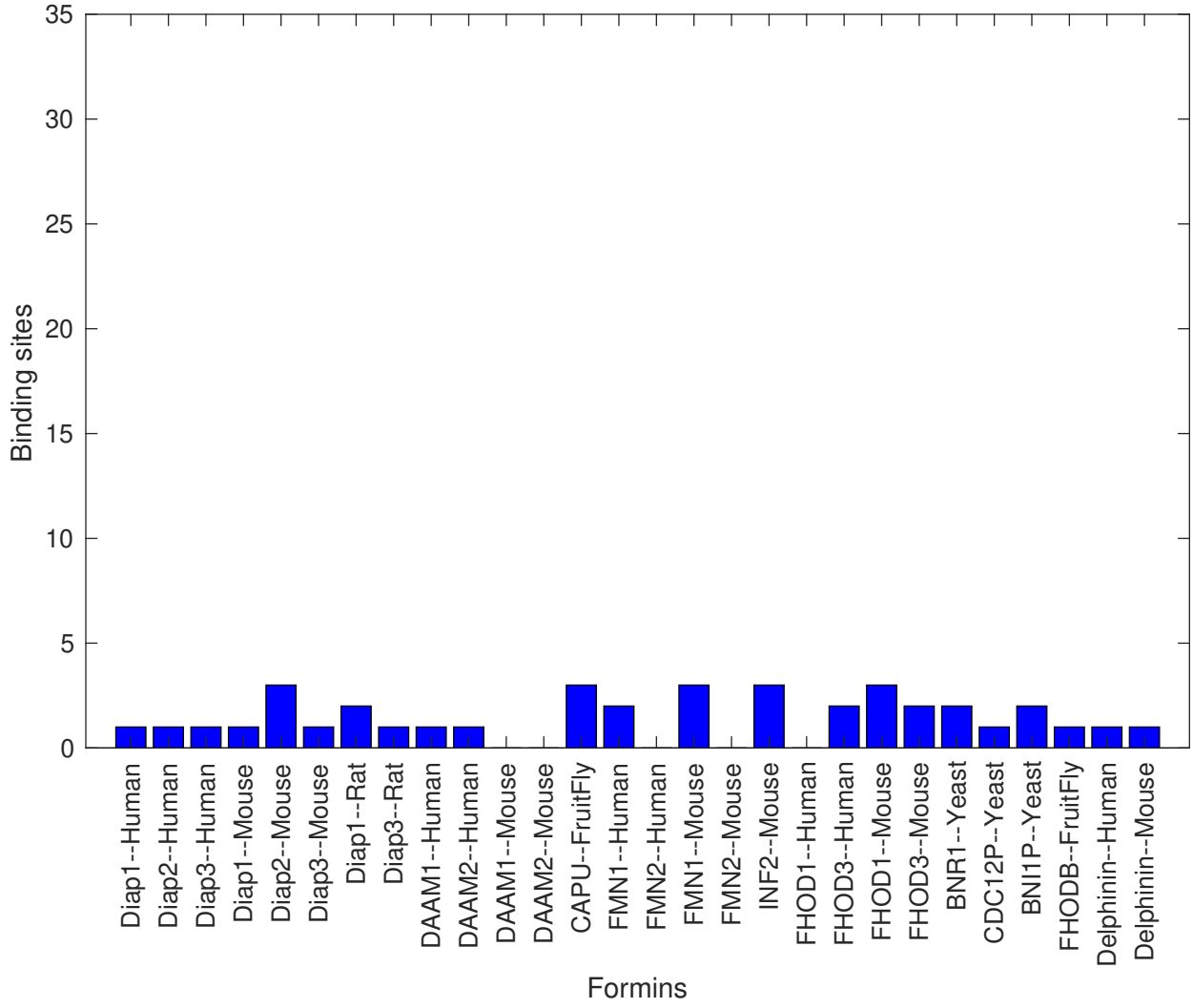

FHODB--FruitFly
C-Terminus -- Amino Acid Index -- N-Terminus
220
200
180
160
140
120
100
80
60
40
20
FH1
Single
Double-Filament
N-Dimerized
k poly
0
20
40
60
80
100
120
140
160
180
1
Filaments
1
2
total
Filaments
Filaments


Delphinin--Human
Single
Double-Filament
N-Dimerized
C-Terminus -- Amino Acid Index -- N-Terminus
70
60
50
40
30
20
10
FH1
35
30
25
20
15
10
5
0
k poly
1
Filaments
1
2
total
Filaments
Filaments


Delphinin--Mouse
Single
Double-Filament
N-Dimerized
C-Terminus -- Amino Acid Index -- N-Terminus
70
60
50
40
30
20
10
FH1
35
30
25
20
15
10
5
0
k_{poly}
1
Filaments
1
2
total
Filaments
Filaments


12
10
8
6
4
2
0
log 2(kpoly)
single
double
N-term dimerized
DAAM2--Human
Delphinin--Human
Delphinin--Mouse
Diap2--Human
CDC12P--Yeast
Diap1--Mouse
Diap3--Human
DAAM1--Human
Diap1--Human
FHODB--FruitFly
Diap1--Rat
FMN1--Human
Diap3--Mouse
Diap3--Rat
FHOD3--Mouse
FHOD3--Human
BNR1--Yeast
BNI1P--Yeast
INF2--Mouse
CAPU--FruitFly
Diap2--Mouse
FMN1--Mouse
FHOD1--Mouse
Formins


0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
-1.6
-1.8
log2(kpoly N terminal dimerized/kpoly double)
FHODB--FruitFly
Diap1--Mouse
BNR1--Yeast
Diap1--Rat
DAAM1--Human
BNI1P--Yeast
FHOD3--Mouse
FHOD3--Human
Diap3--Mouse
Diap3--Rat
INF2--Mouse
FHOD1--Mouse
Diap1--Human
FMN1--Human
Diap2--Mouse
DAAM2--Human
FMN1--Mouse
Diap2--Human
CAPU--FruitFly
CDC12P--Yeast
Diap3--Human
Delphinin--Human
Delphinin--Mouse
Formins


Binding sites
0
5
10
15
20
25
30
35
Diap1--Human
Diap2--Human
Diap3--Human
Diap1--Mouse
Diap2--Mouse
Diap3--Mouse
Diap1--Rat
Diap3--Rat
DAAM1--Human
DAAM2--Human
DAAM1--Mouse
DAAM2--Mouse
CAPU--FruitFly
FMN1--Human
FMN2--Human
FMN1--Mouse
FMN2--Mouse
INF2--Mouse
FHOD1--Human
FHOD3--Human
FHOD1--Mouse
FHOD3--Mouse
BNR1--Yeast
CDC12P--Yeast
BNI1P--Yeast
FHODB--FruitFly
Delphinin--Human
Delphinin--Mouse
Formins

	k_poly Single	k_poly Double	k_poly N-Dimer	log_2(kpoly ratio)	# Binding Sites
Diap1--Human	4.7745	5.6237	5.5221	-0.1016	1
Diap2--Human	3.9664	4.9240	4.9329	0.0089	1
Diap3--Human	4.3286	5.2470	5.2823	0.0353	1
Diap1--Mouse	4.3128	5.3040	4.8217	-0.4823	1
Diap2--Mouse	5.8089	6.7831	6.7122	-0.0709	3
Diap3--Mouse	5.1550	6.1663	5.9607	-0.2055	1
Diap1--Rat	4.9972	5.9931	5.6290	-0.3641	2
Diap3--Rat	5.1550	6.1663	5.9607	-0.2055	1
DAAM1--Human	4.4384	5.4111	5.0638	-0.3473	1
DAAM2--Human	3.8116	4.8904	4.8285	-0.0620	1
DAAM1--Mouse	0	0	0	0	0
DAAM2--Mouse	0	0	0	0	0
CAPU--FruitFly	5.7500	6.7016	6.7160	0.0144	3
FMN1--Human	5.0839	6.0705	5.9911	-0.0794	2
FMN2--Human	0	0	0	0	0
FMN1--Mouse	5.8514	6.8652	6.8112	-0.0540	3
FMN2--Mouse	0	0	0	0	0
INF2--Mouse	5.6506	6.6172	6.4601	-0.1571	3
FHOD1--Human	0	0	0	0	0
FHOD3--Human	5.2449	6.2072	5.9975	-0.2096	2
FHOD1--Mouse	5.9983	7.0370	6.9036	-0.1334	3
FHOD3--Mouse	5.2395	6.2469	6.0286	-0.2183	2
BNR1--Yeast	5.4970	6.4454	6.0699	-0.3755	2
CDC12P--Yeast	4.2043	5.2345	5.2512	0.0167	1
BNI1P--Yeast	5.5642	6.5570	6.2195	-0.3375	2
FHODB--FruitFly	4.9630	7.6020	5.7286	-1.8734	1
Delphinin--Human	3.9487	4.9456	5.0037	0.0582	1
Delphinin--Mouse	3.9487	4.9456	5.0037	0.0582	1