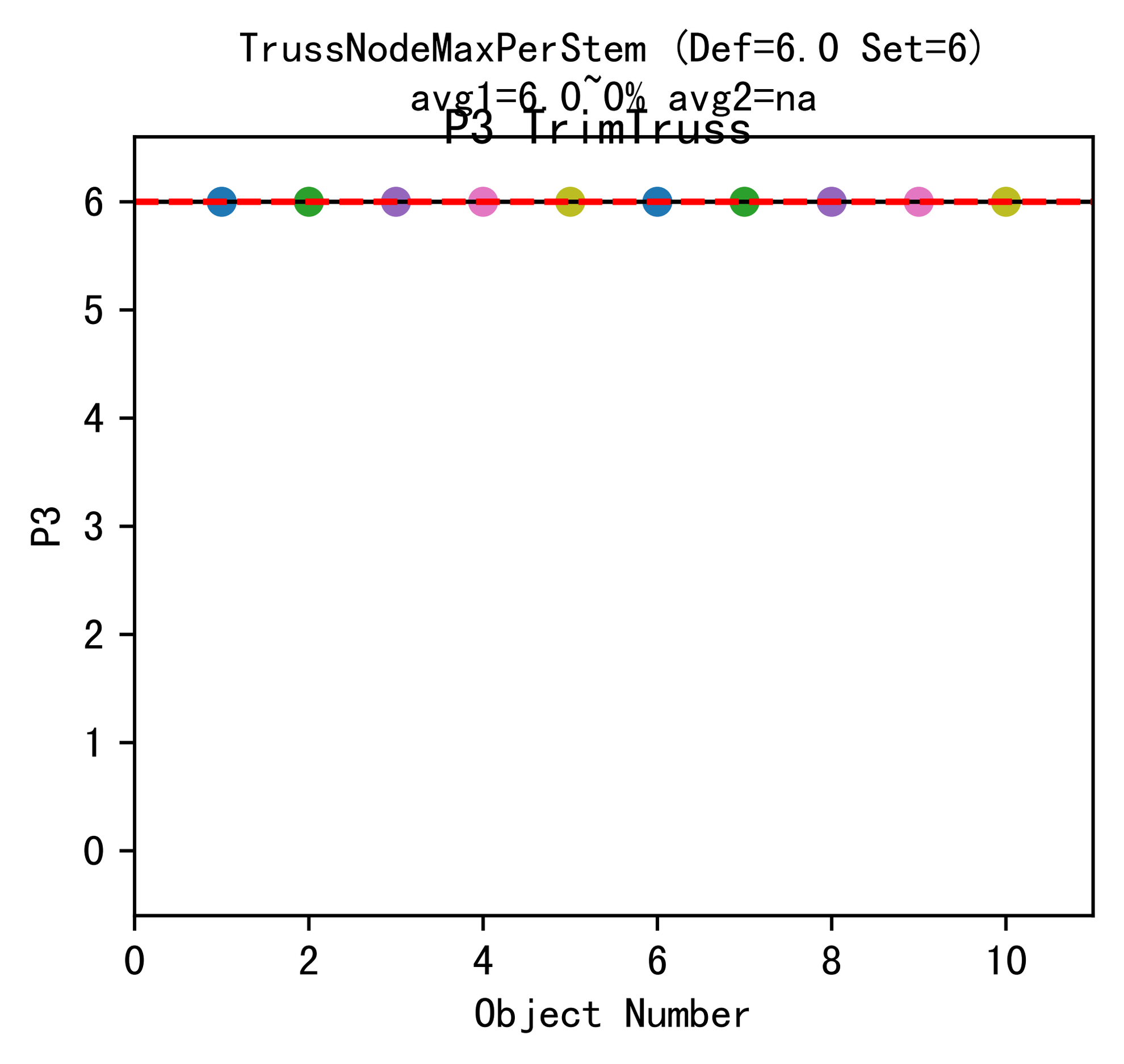
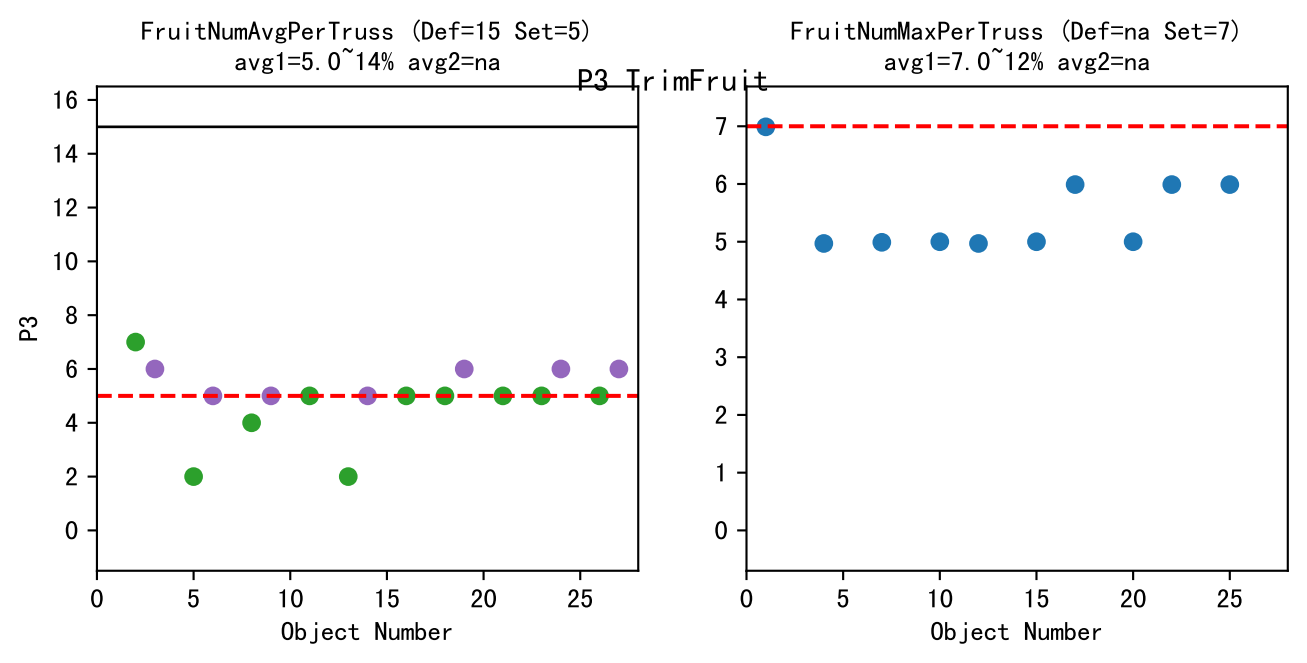
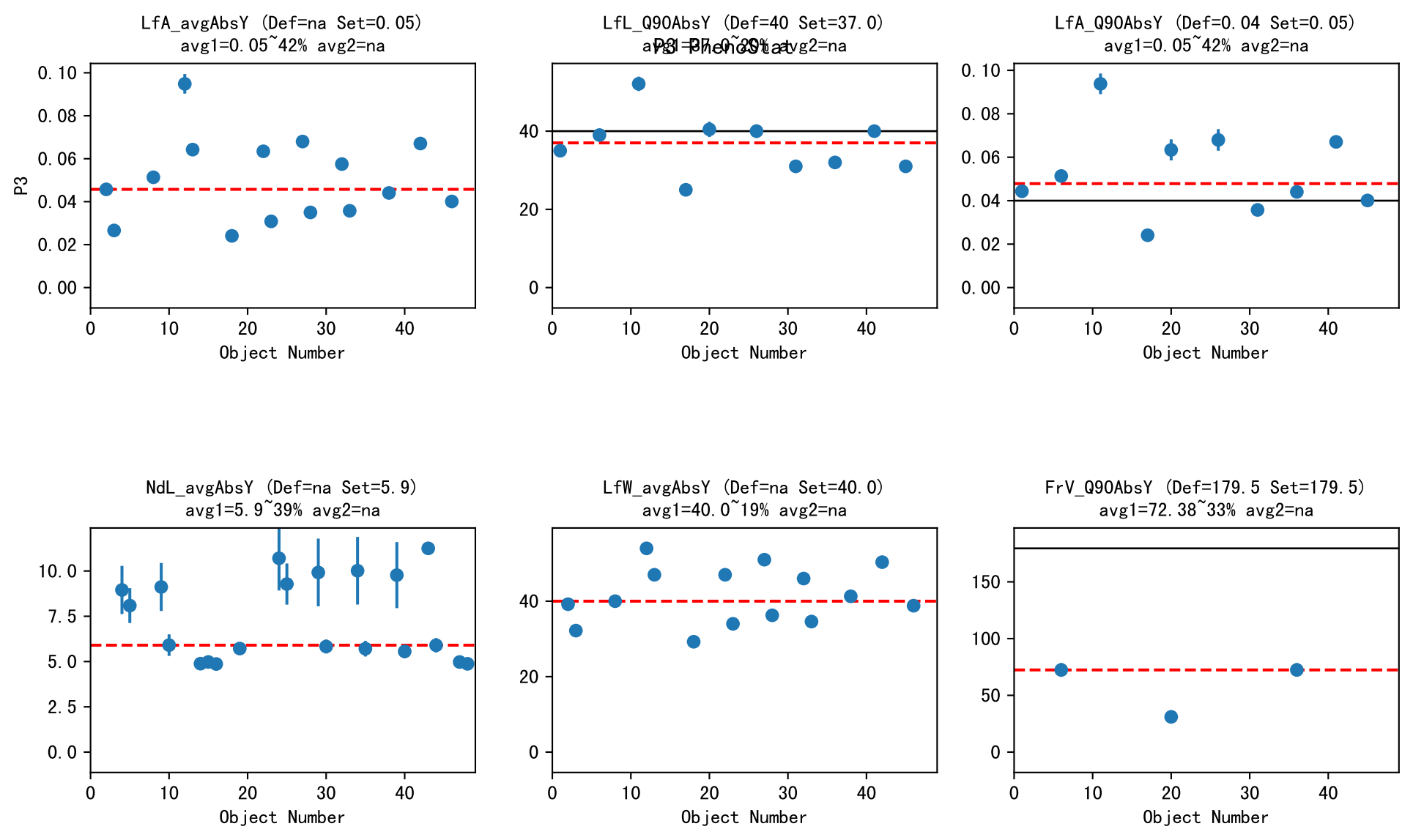
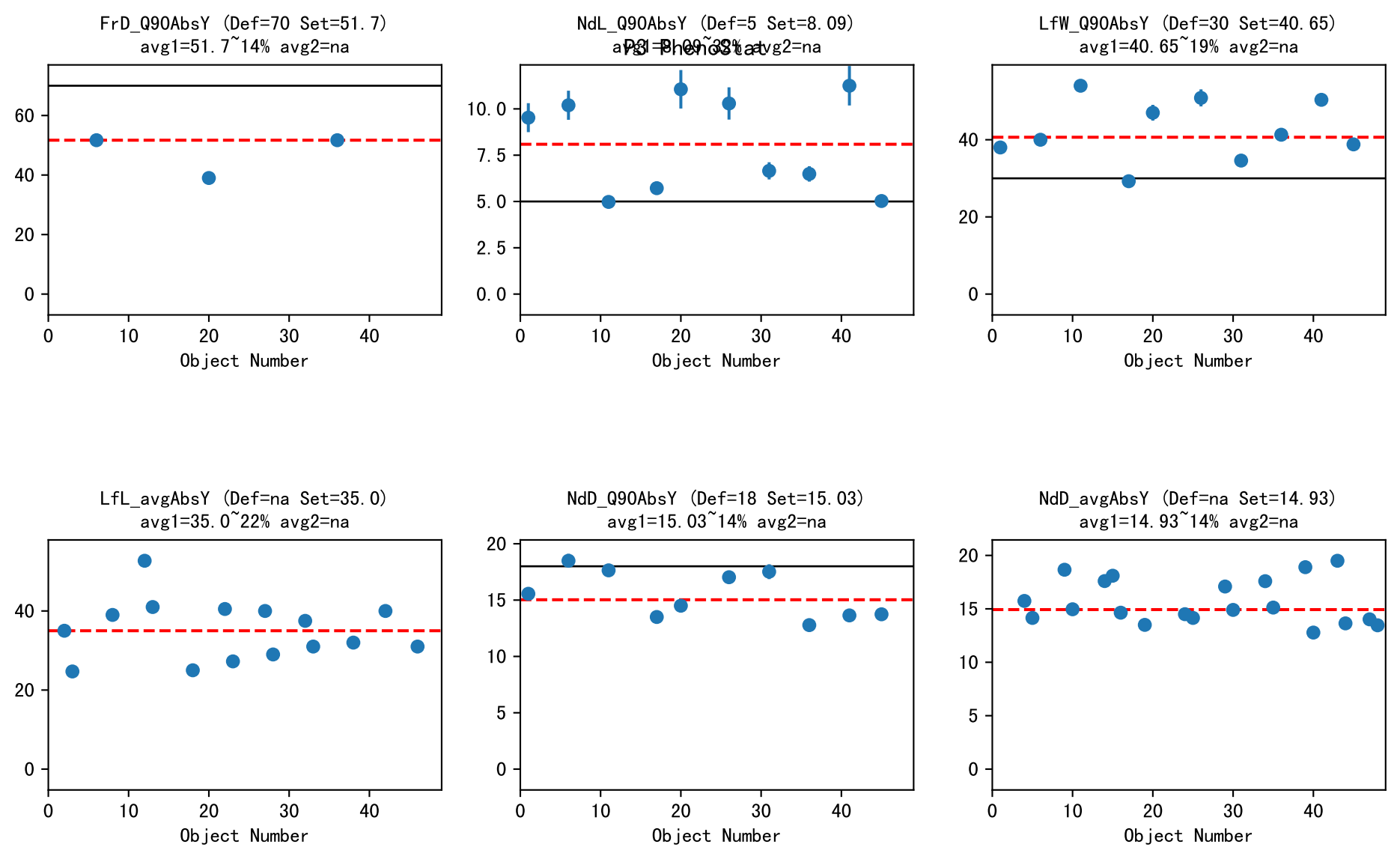
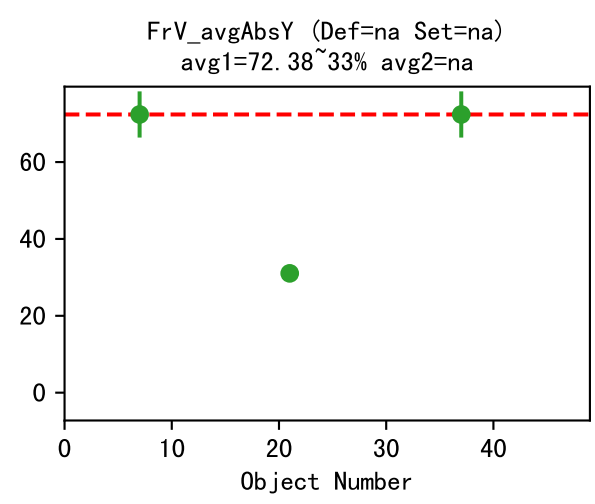
Phenotype Data Analysis Plots
PhenoData day range = 5 - 43
Analysis cutoff day = 43
NC11 P3
2025-05-19 (Day 44)

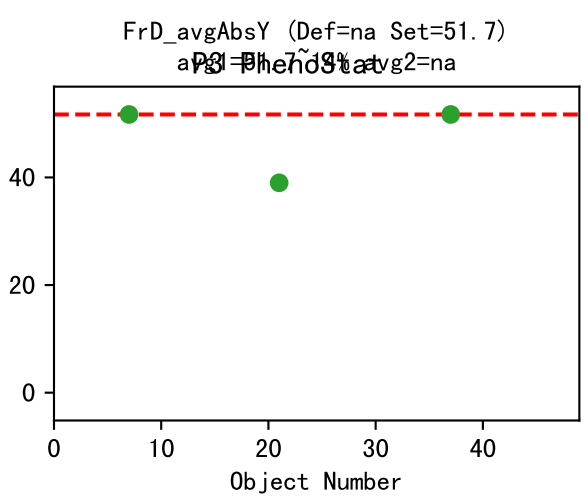

TrussNodeMaxPerStem (Def=6.0 Set=6)
avg1=6.0~0% avg2=na
P3 TrimTruss
P3
Object Number
0
1
2
3
4
5
6
0
2
4
6
8
10

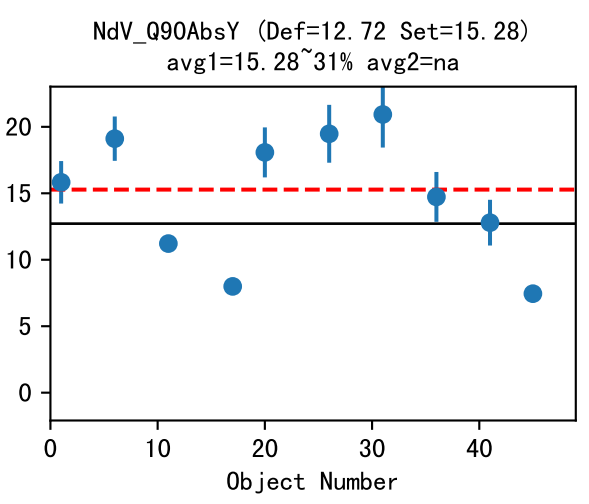

FruitNumAvgPerTruss (Def=15 Set=5)
avg1=5.0~14% avg2=na
FruitNumMaxPerTruss (Def=na Set=7)
avg1=7.0~12% avg2=na
P3 TrimFruit
P3
Object Number
Object Number

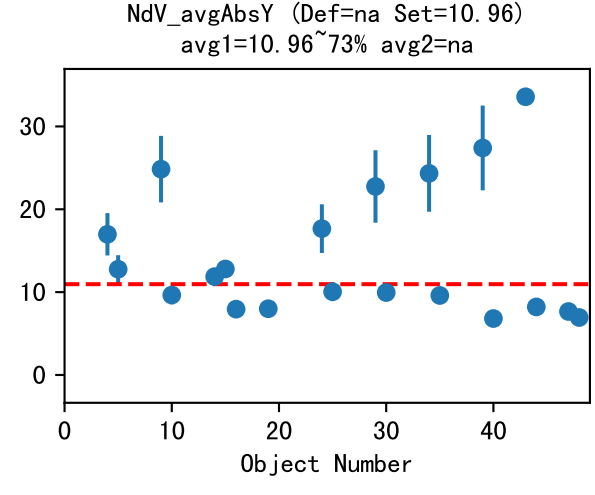

LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~42% avg2=na
P3
Object Number
LfL_Q90AbsY (Def=40 Set=37.0)
avg1=37.0~28% avg2=na
Object Number
LfA_Q90AbsY (Def=0.04 Set=0.05)
avg1=0.05~42% avg2=na
Object Number
NdL_avgAbsY (Def=na Set=5.9)
avg1=5.9~39% avg2=na
Object Number
LfW_avgAbsY (Def=na Set=40.0)
avg1=40.0~19% avg2=na
Object Number
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=72.38~33% avg2=na
Object Number

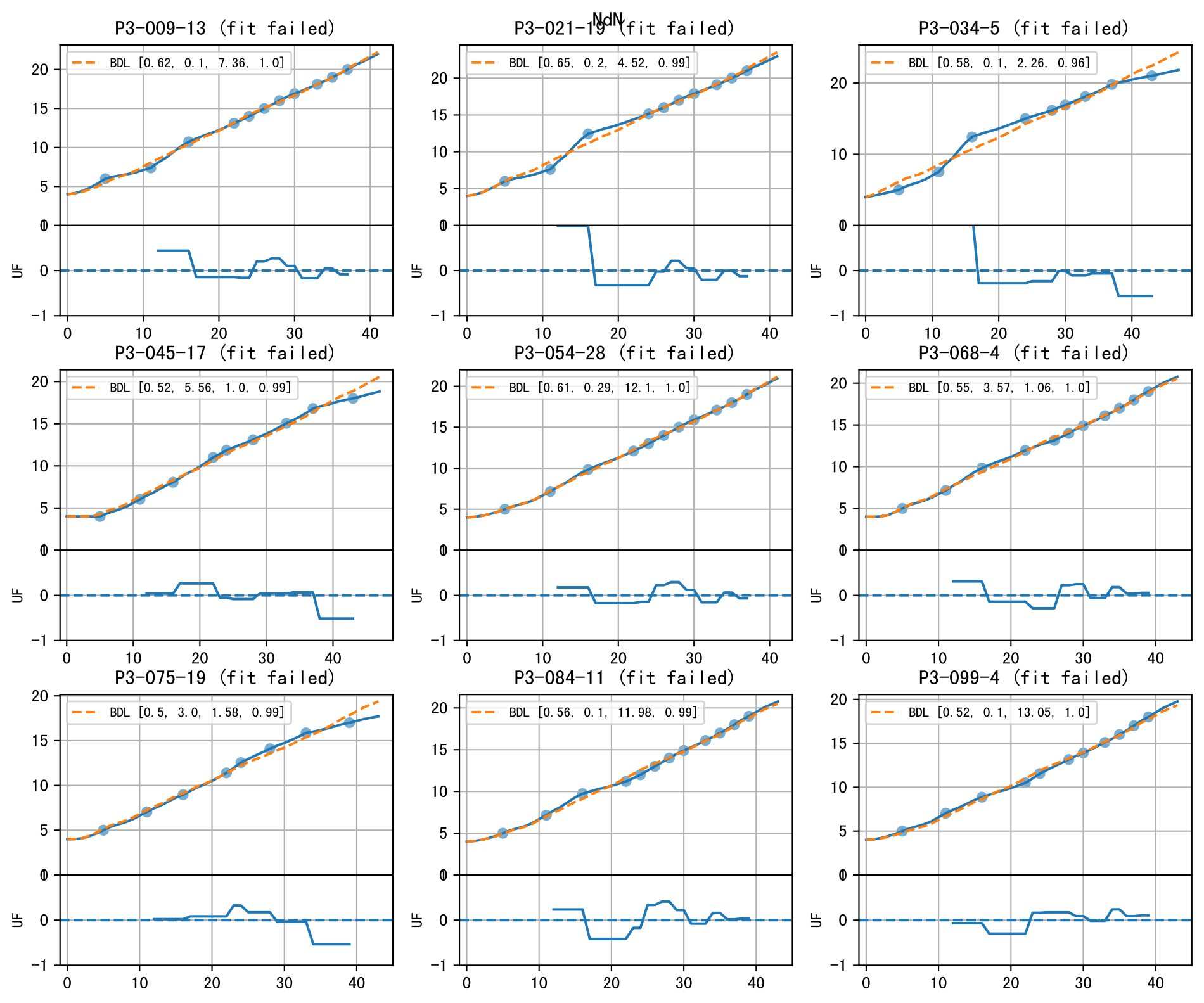

FrD_Q90AbsY (Def=70 Set=51.7)
avg1=51.7~14% avg2=na
NdL_Q90AbsY (Def=5 Set=8.09)
avg1=8.09~38% avg2=na
LfW_Q90AbsY (Def=30 Set=40.65)
avg1=40.65~19% avg2=na
LfL_avgAbsY (Def=na Set=35.0)
avg1=35.0~22% avg2=na
NdD_Q90AbsY (Def=18 Set=15.03)
avg1=15.03~14% avg2=na
NdD_avgAbsY (Def=na Set=14.93)
avg1=14.93~14% avg2=na
Object Number

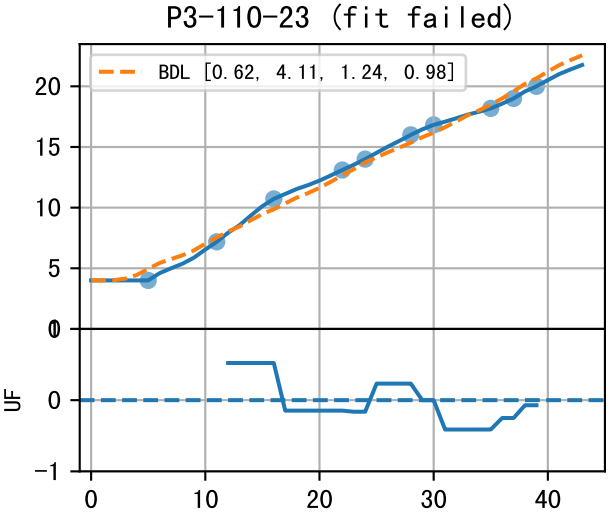

FrV_avgAbsY (Def=na Set=na)
avg1=72.38~33% avg2=na
Object Number


FrD_avgAbsY (Def=na Set=51.7)
avg1=51.7~13% avg2=na
Object Number

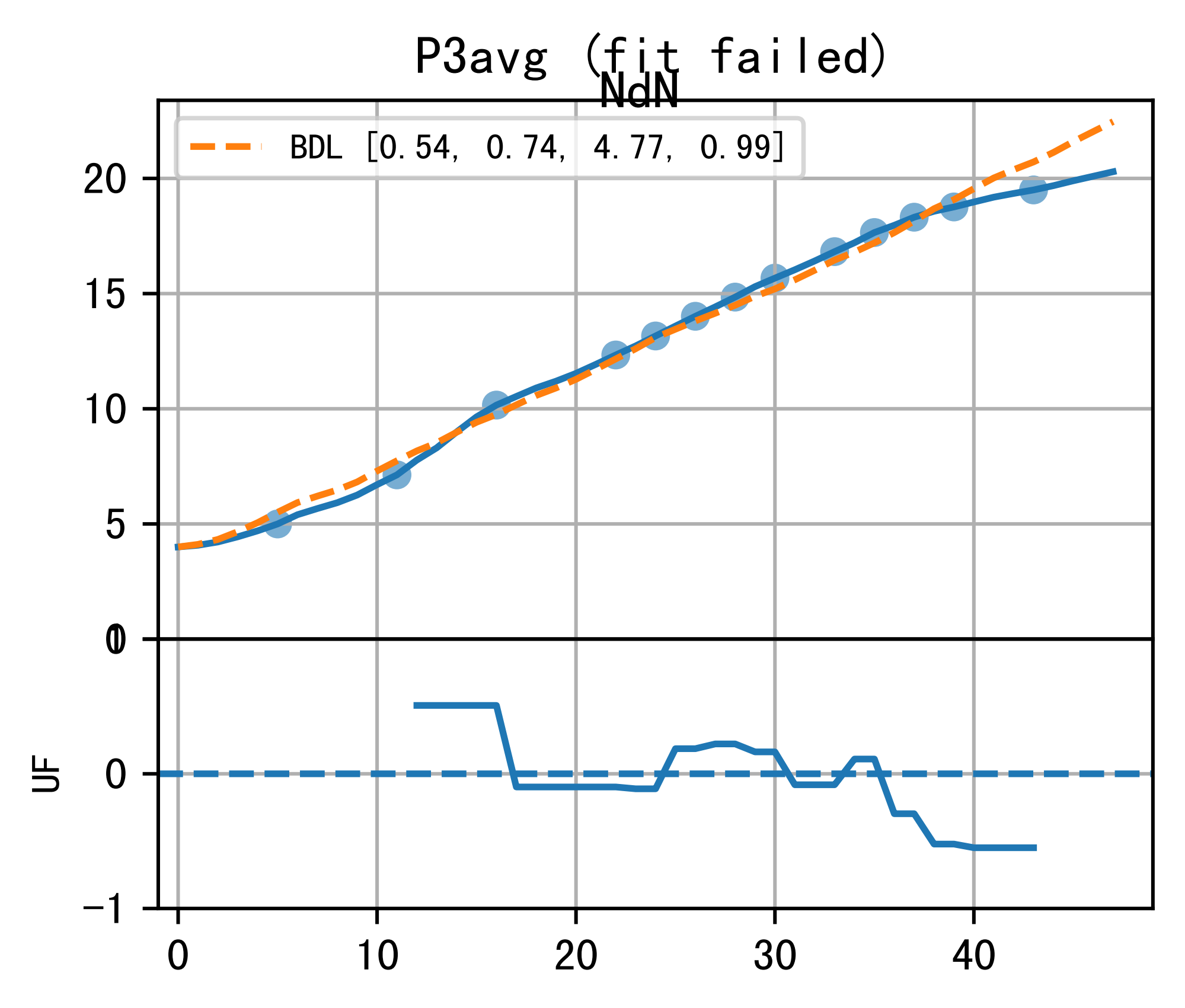

NdV_Q90AbsY (Def=12.72 Set=15.28)
avg1=15.28~31% avg2=na
Object Number

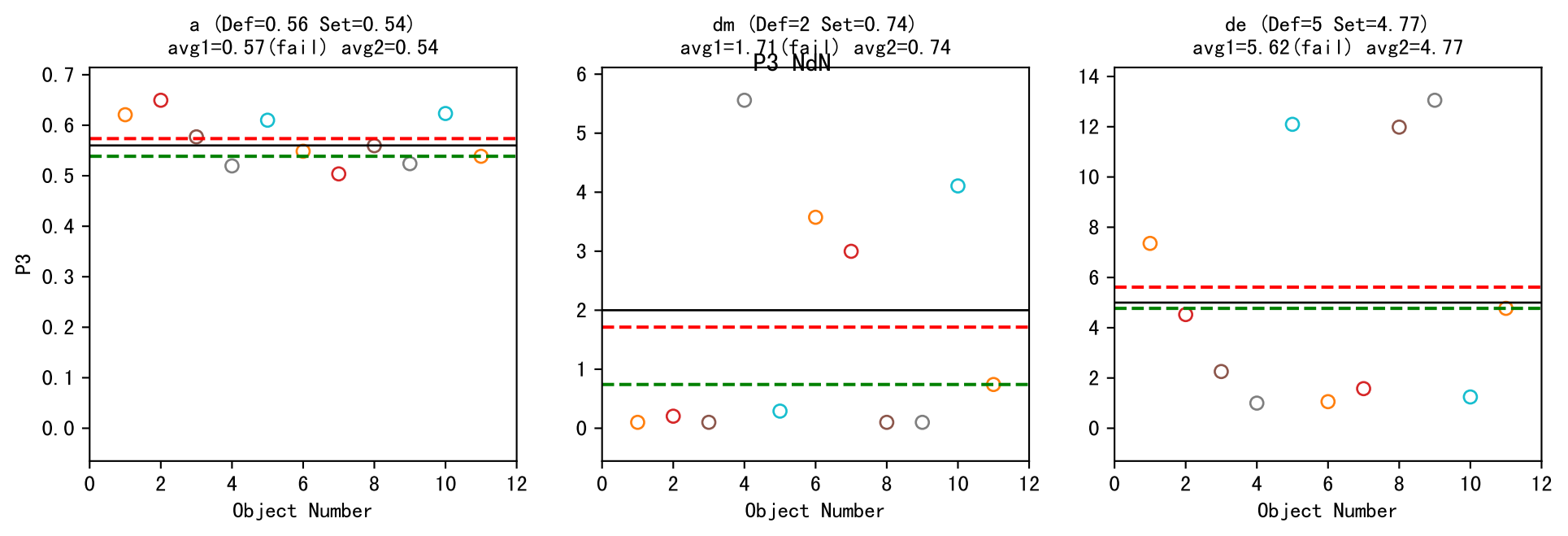

NdV_avgAbsY (Def=na Set=10.96)
avg1=10.96~73% avg2=na
Object Number

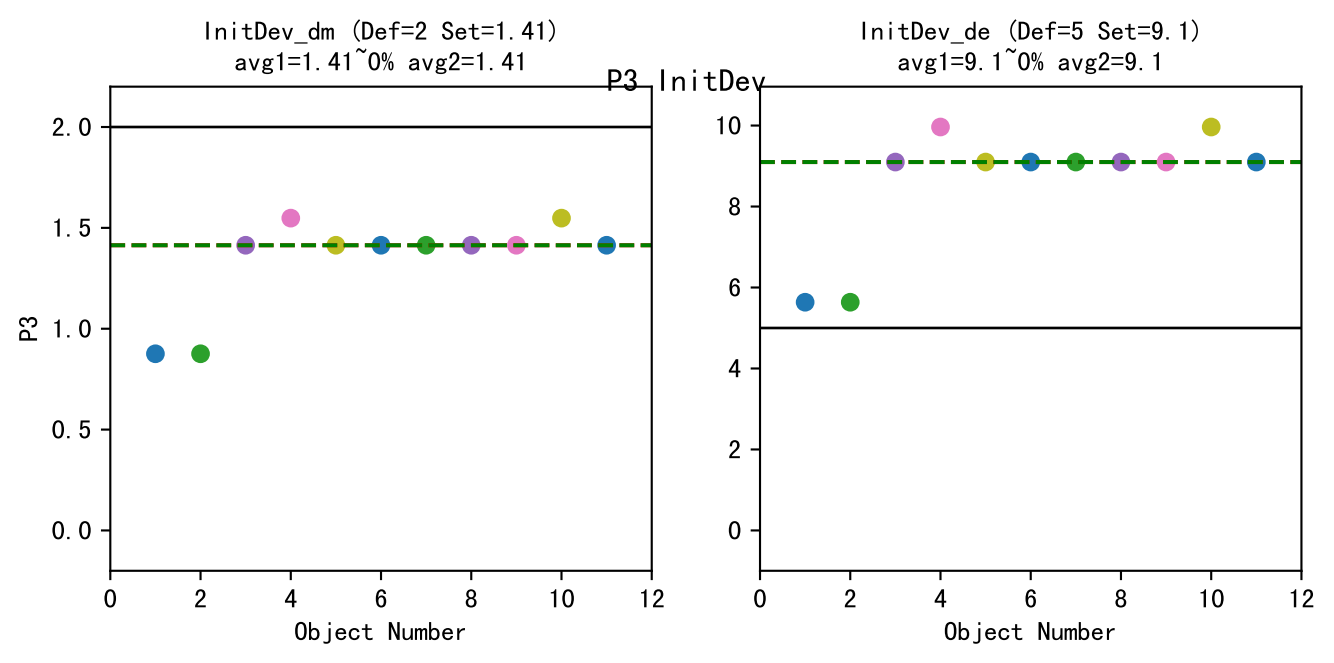

NdN
P3-009-13 (fit failed)
BDL [0.62, 0.1, 7.36, 1.0]
P3-021-19 (fit failed)
BDL [0.65, 0.2, 4.52, 0.99]
P3-034-5 (fit failed)
BDL [0.58, 0.1, 2.26, 0.96]
P3-045-17 (fit failed)
BDL [0.52, 5.56, 1.0, 0.99]
P3-054-28 (fit failed)
BDL [0.61, 0.29, 12.1, 1.0]
P3-068-4 (fit failed)
BDL [0.55, 3.57, 1.06, 1.0]
P3-075-19 (fit failed)
BDL [0.5, 3.0, 1.58, 0.99]
P3-084-11 (fit failed)
BDL [0.56, 0.1, 11.98, 0.99]
P3-099-4 (fit failed)
BDL [0.52, 0.1, 13.05, 1.0]
UF

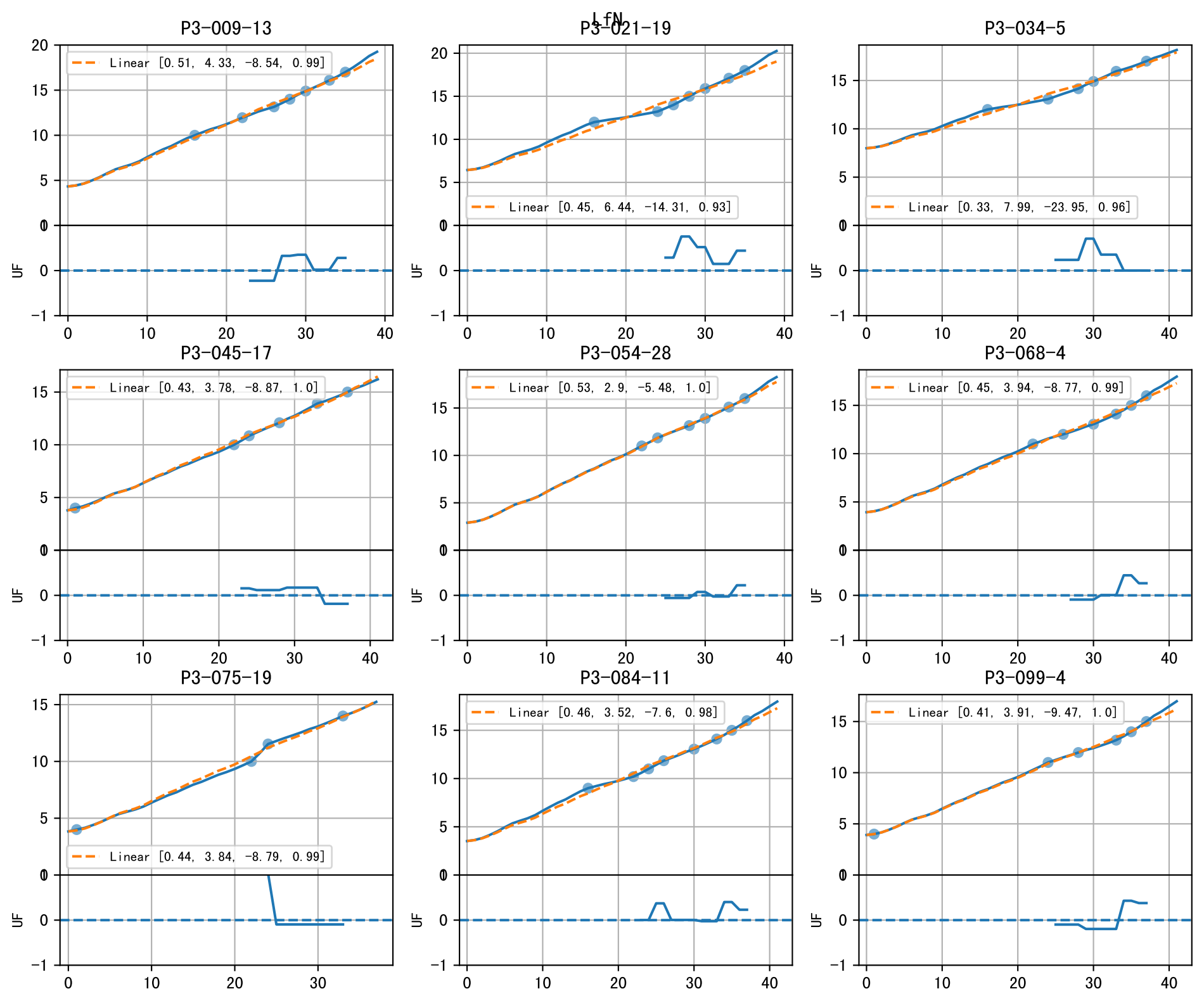

P3-110-23 (fit failed)
BDL [0.62, 4.11, 1.24, 0.98]
20
15
10
5
0
UF
0
−1
0
10
20
30
40

NdN

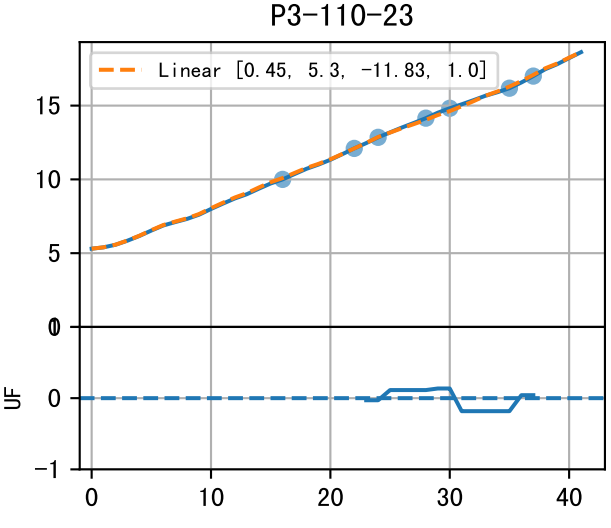

P3avg (fit failed)
NdN
BDL [0.54, 0.74, 4.77, 0.99]
20
15
10
5
0
0
UF
0
−1
0
10
20
30
40

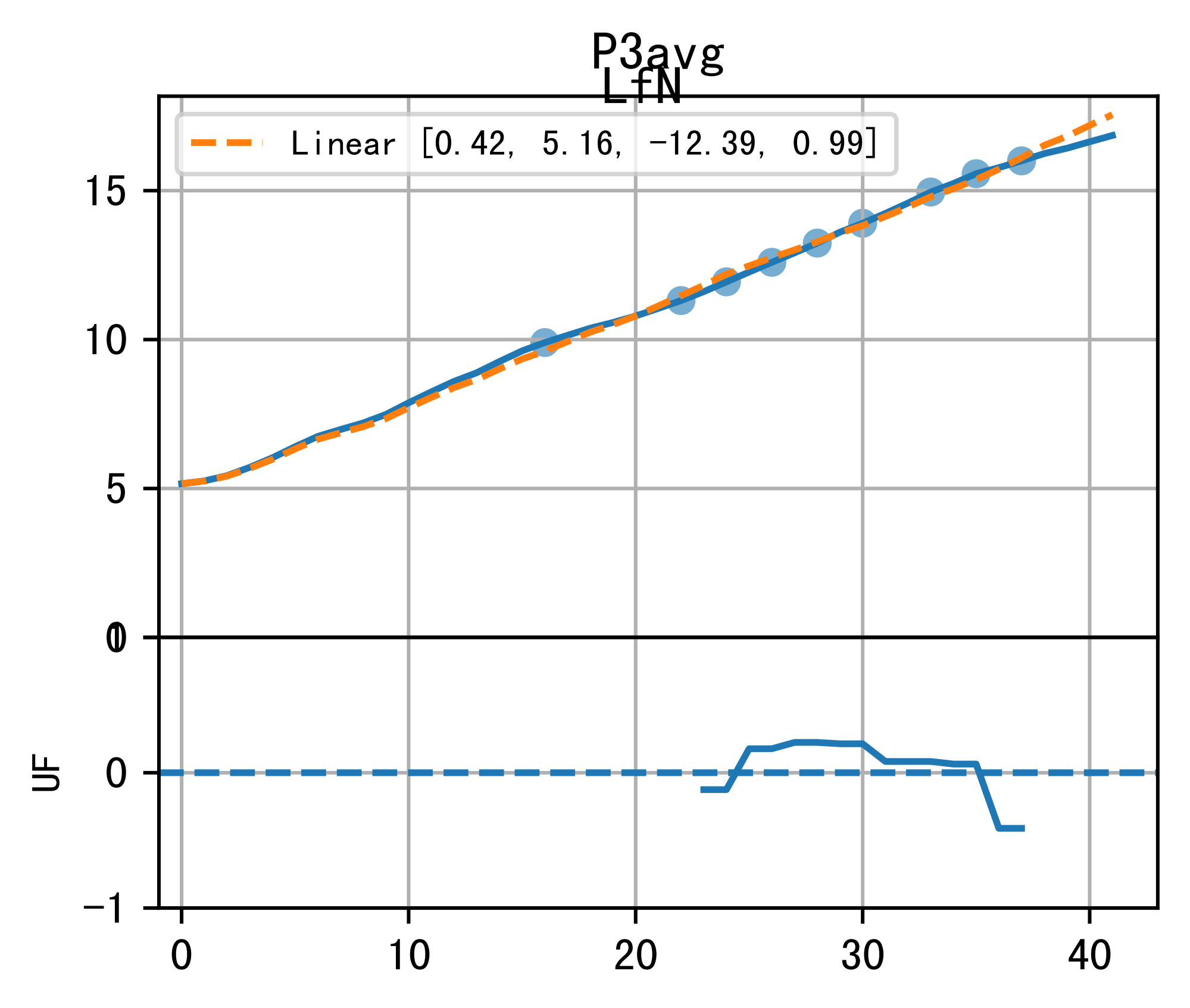

a (Def=0.56 Set=0.54)
avg1=0.57(fail) avg2=0.54
dm (Def=2 Set=0.74)
avg1=1.71(fail) avg2=0.74
de (Def=5 Set=4.77)
avg1=5.62(fail) avg2=4.77
P3 NdN
P3
Object Number
Object Number
Object Number

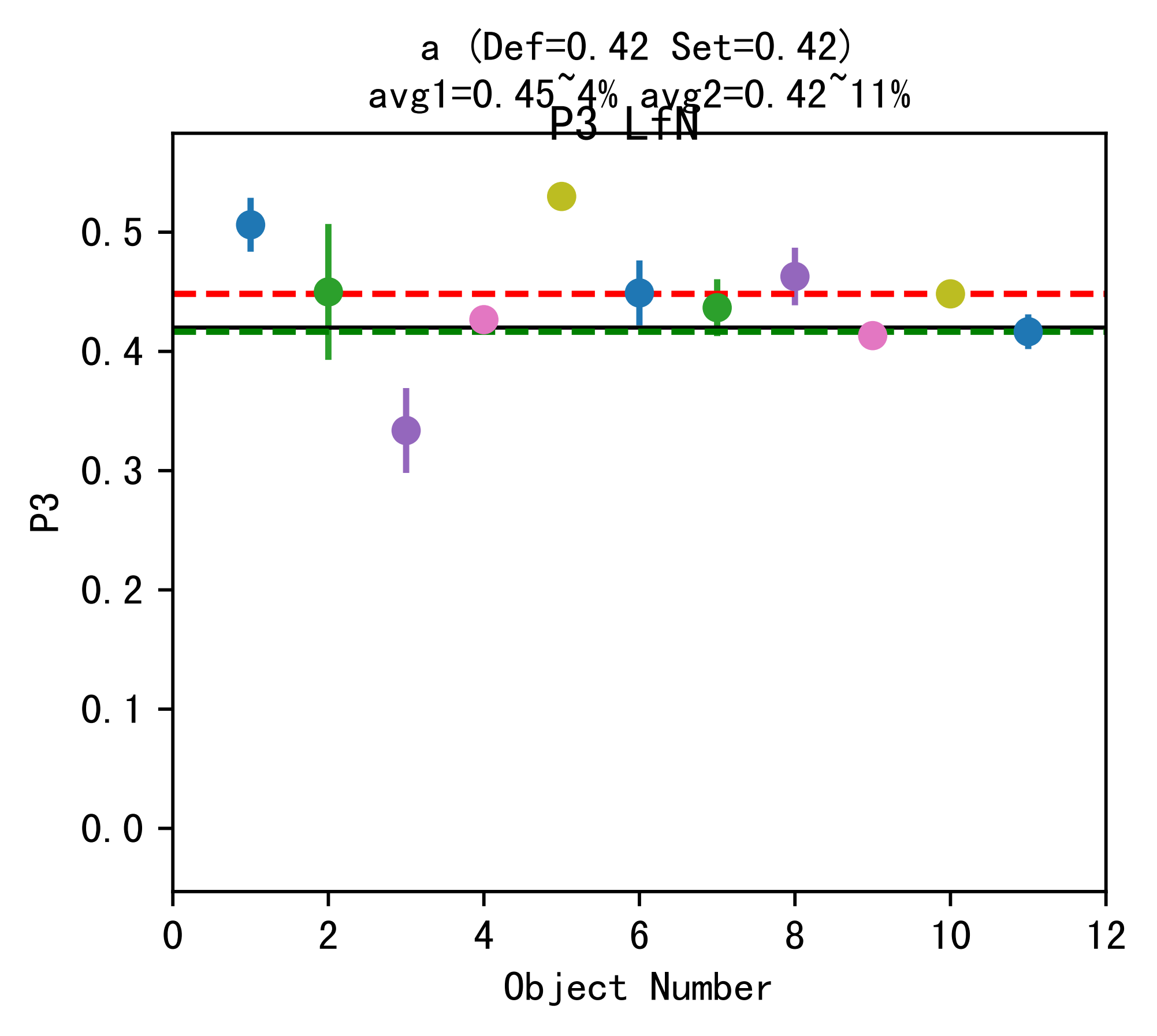

P3 InitDev
InitDev_dm (Def=2 Set=1.41)
avg1=1.41~0% avg2=1.41
InitDev_de (Def=5 Set=9.1)
avg1=9.1~0% avg2=9.1
P3
Object Number
Object Number

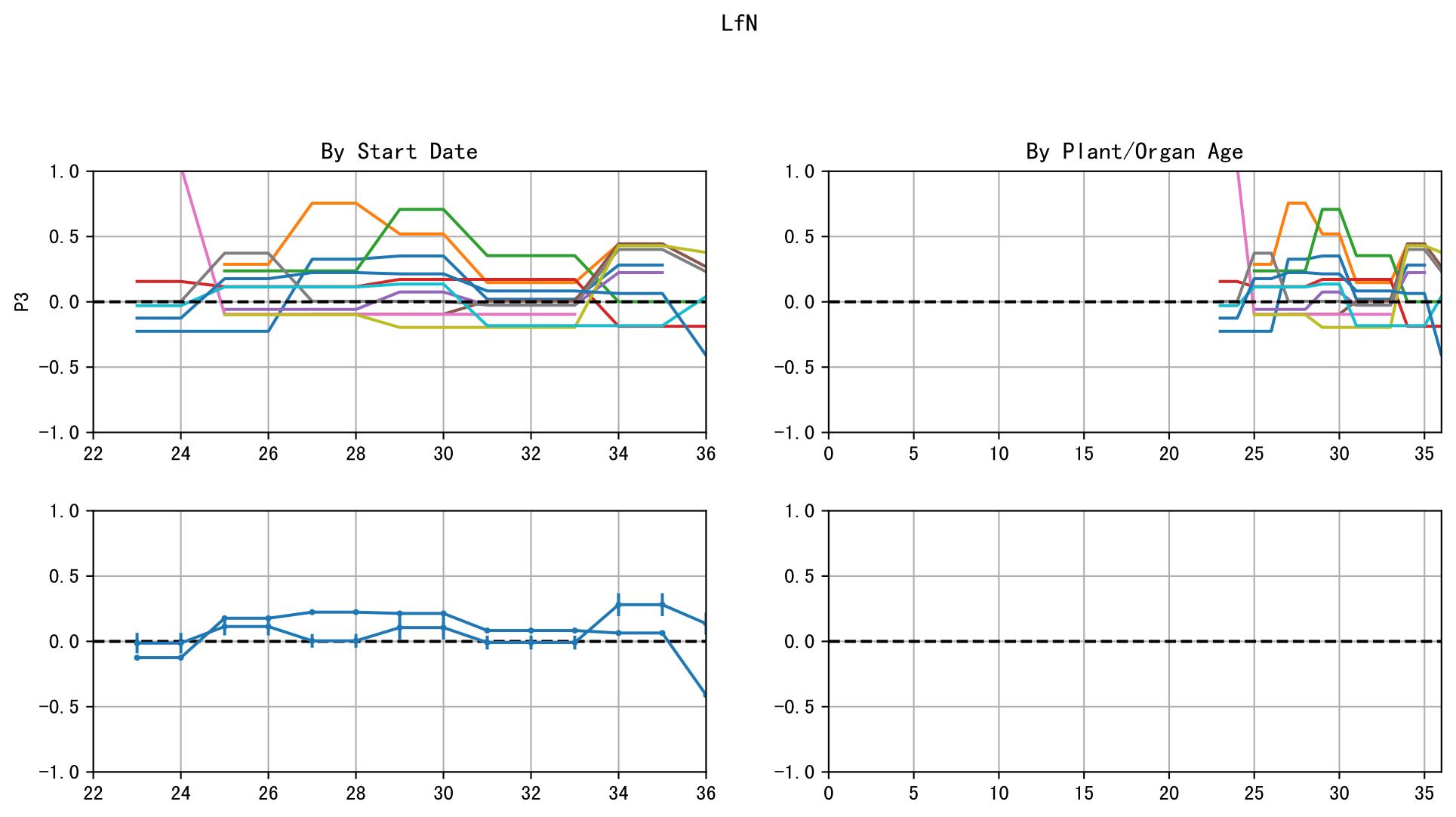

LfN
P3-009-13
Linear [0.51, 4.33, -8.54, 0.99]
P3-021-19
Linear [0.45, 6.44, -14.31, 0.93]
P3-034-5
Linear [0.33, 7.99, -23.95, 0.96]
P3-045-17
Linear [0.43, 3.78, -8.87, 1.0]
P3-054-28
Linear [0.53, 2.9, -5.48, 1.0]
P3-068-4
Linear [0.45, 3.94, -8.77, 0.99]
P3-075-19
Linear [0.44, 3.84, -8.79, 0.99]
P3-084-11
Linear [0.46, 3.52, -7.6, 0.98]
P3-099-4
Linear [0.41, 3.91, -9.47, 1.0]
UF

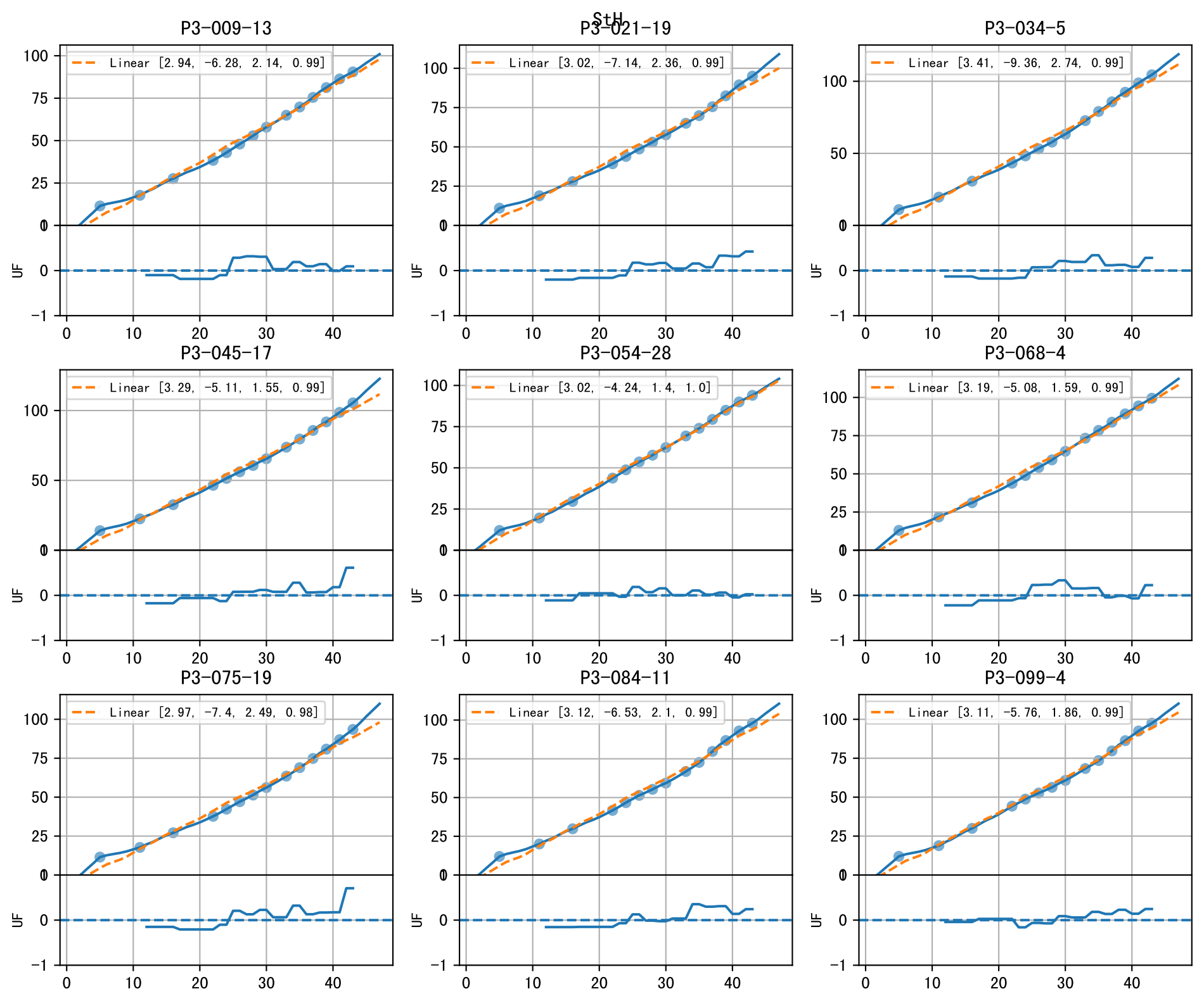
LfN



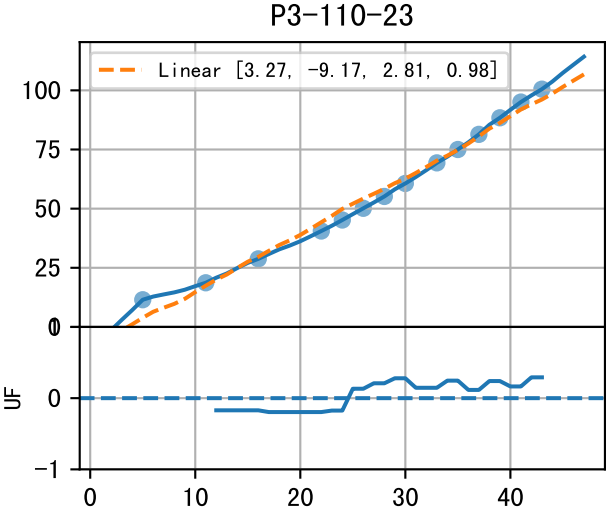

P3avg
LfN
Linear [0.42, 5.16, -12.39, 0.99]
15
10
5
0
0
UF
0
-1
0
10
20
30
40

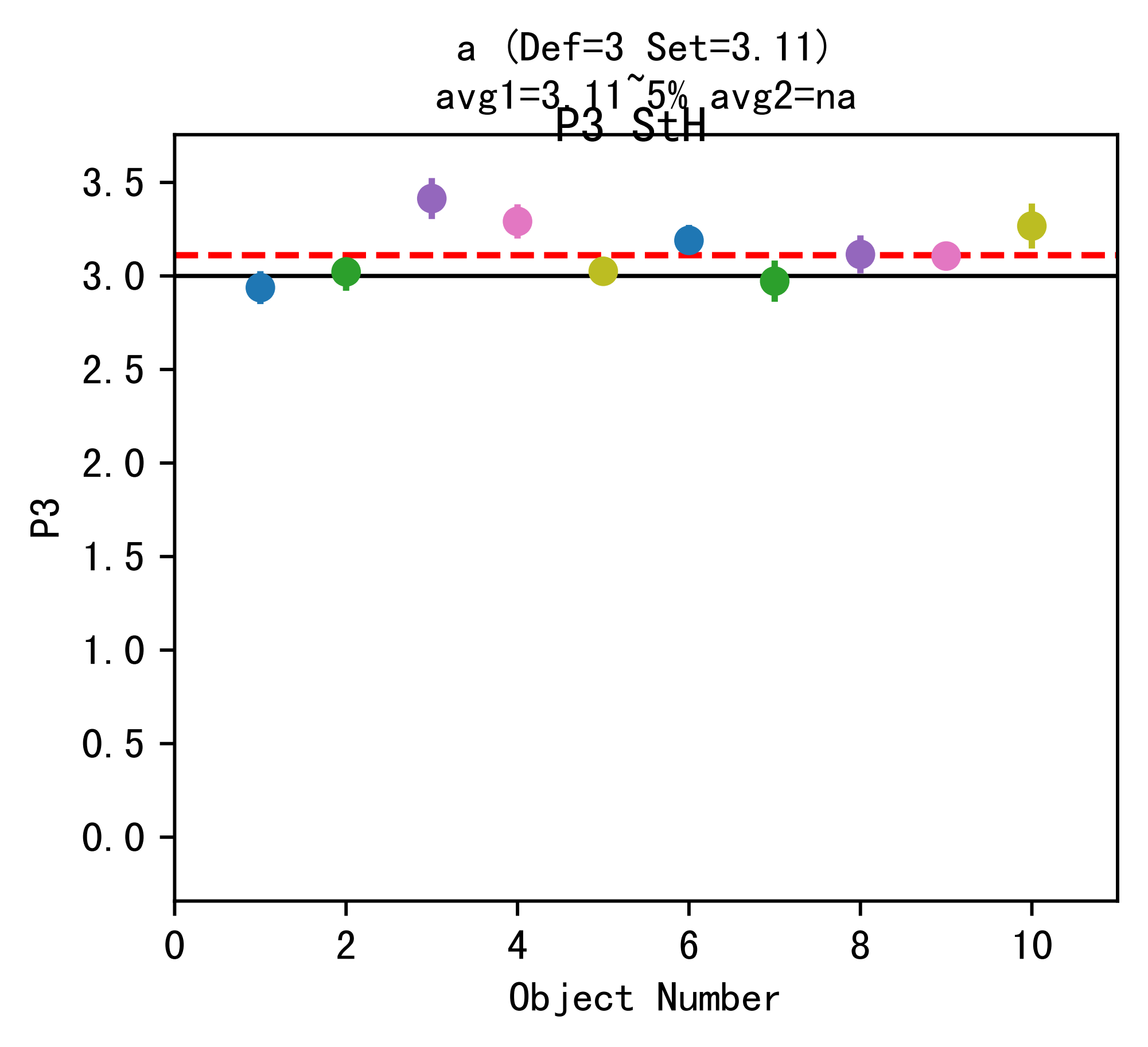

a (Def=0.42 Set=0.42)
avg1=0.45~4% avg2=0.42~11%
P3 LfN
0.5
0.4
0.3
0.2
0.1
0.0
P3
0
2
4
6
8
10
12
Object Number


LfN
By Start Date
By Plant/Organ Age
P3
1.0
0.5
0.0
−0.5
−1.0
22
24
26
28
30
32
34
36
0
5
10
15
20
25
30
35

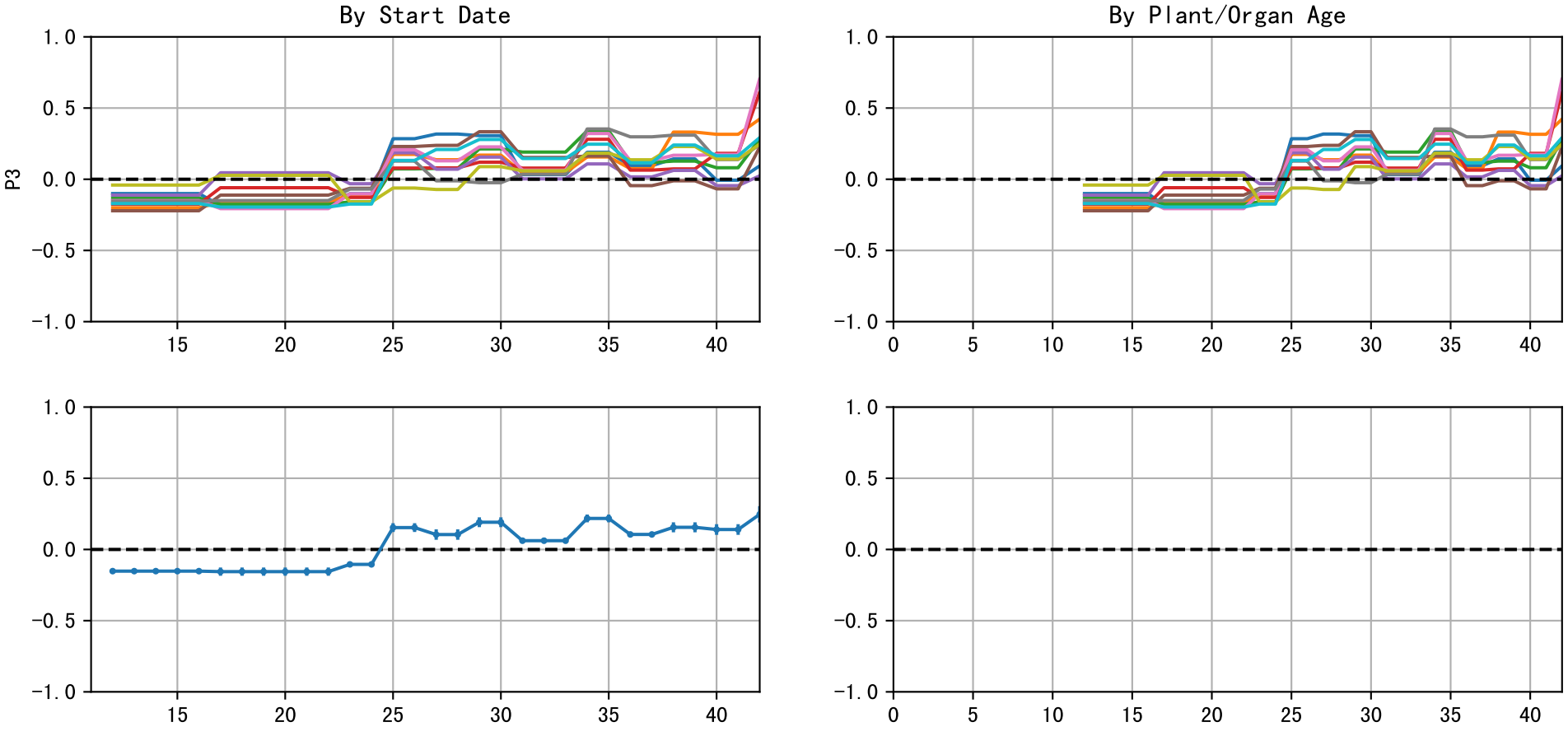

StH
P3-009-13
Linear [2.94, -6.28, 2.14, 0.99]
P3-021-19
Linear [3.02, -7.14, 2.36, 0.99]
P3-034-5
Linear [3.41, -9.36, 2.74, 0.99]
P3-045-17
Linear [3.29, -5.11, 1.55, 0.99]
P3-054-28
Linear [3.02, -4.24, 1.4, 1.0]
P3-068-4
Linear [3.19, -5.08, 1.59, 0.99]
P3-075-19
Linear [2.97, -7.4, 2.49, 0.98]
P3-084-11
Linear [3.12, -6.53, 2.1, 0.99]
P3-099-4
Linear [3.11, -5.76, 1.86, 0.99]
UF

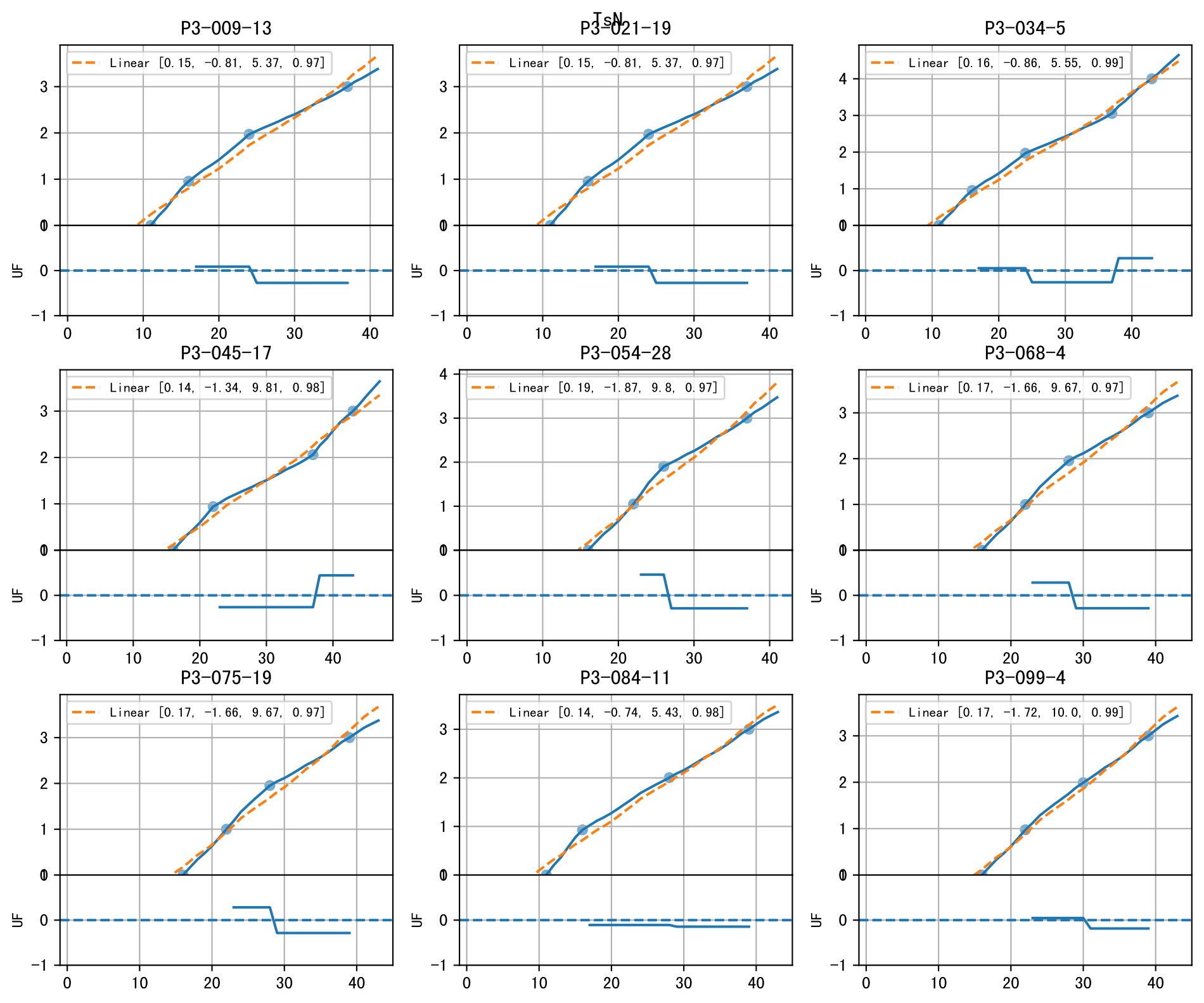
StH

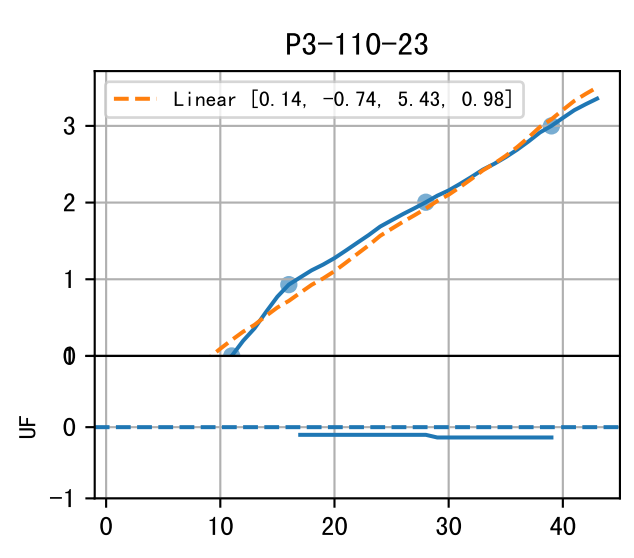



a (Def=3 Set=3.11)
avg1=3.11~5% avg2=na
P3 StH
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
P3
0
2
4
6
8
10
Object Number

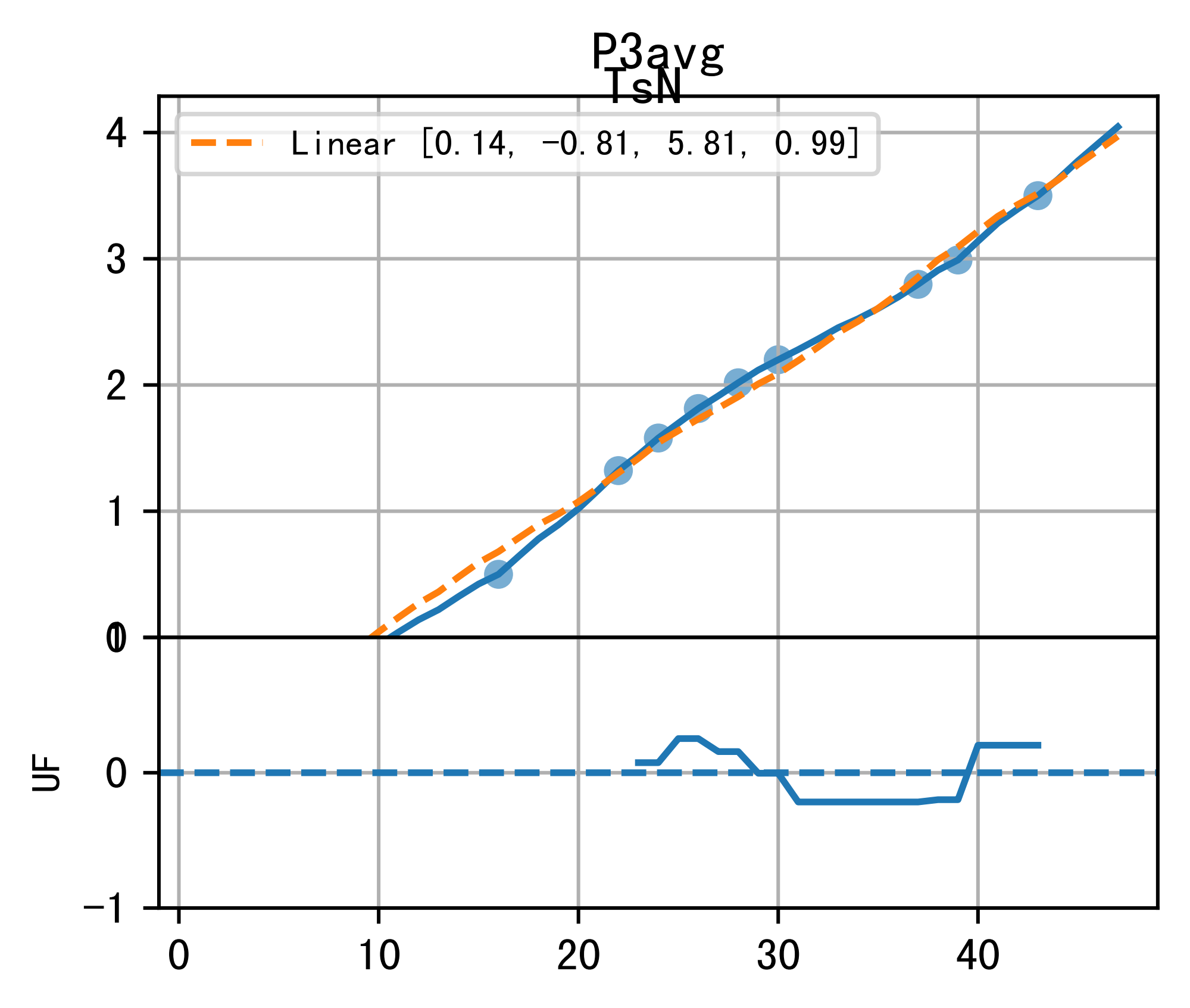
StH

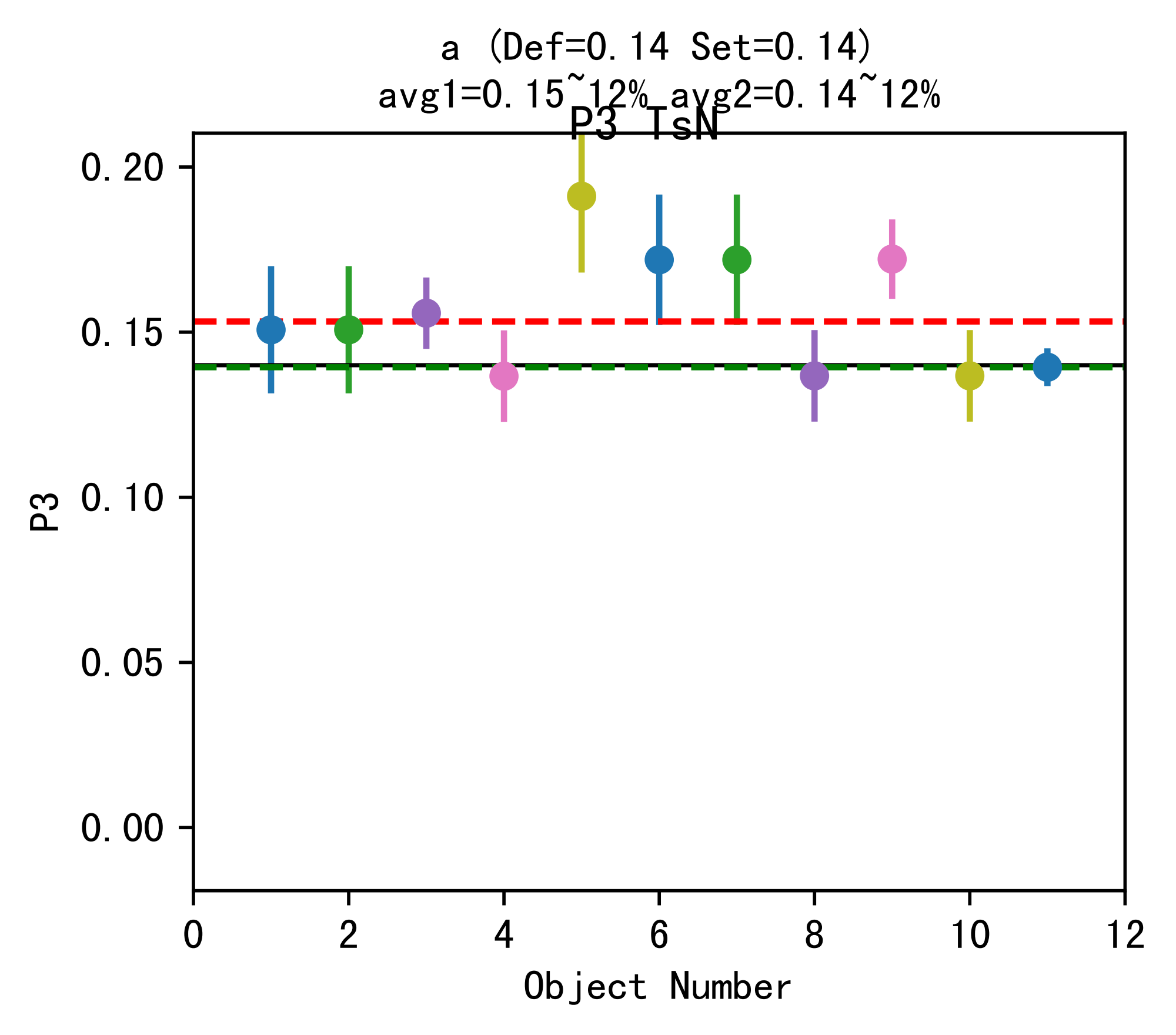

By Start Date
By Plant/Organ Age
P3
1.0
0.5
0.0
−0.5
−1.0
0
5
10
15
20
25
30
35
40

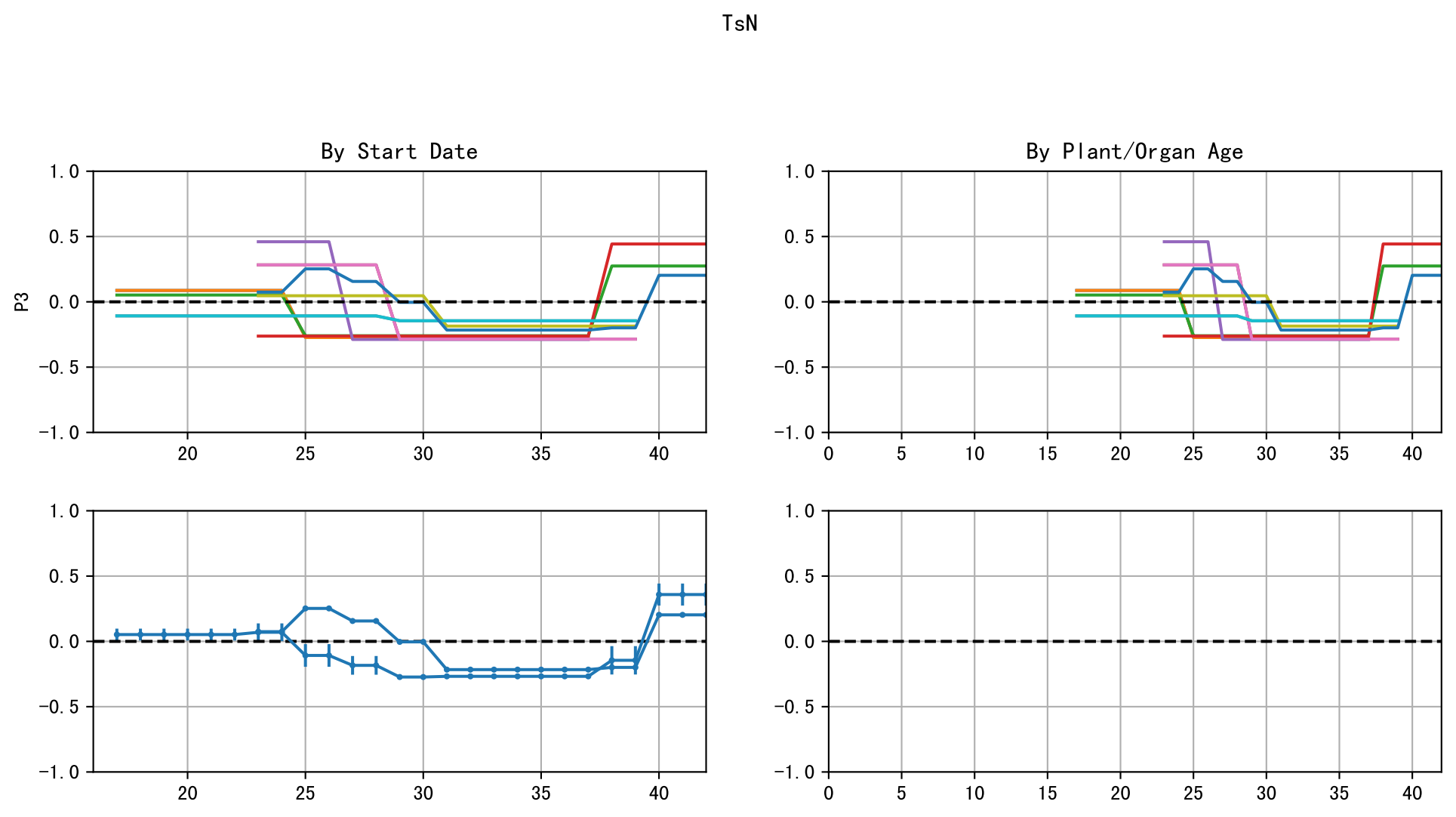

TsN
P3-009-13
Linear [0.15, -0.81, 5.37, 0.97]
P3-021-19
Linear [0.15, -0.81, 5.37, 0.97]
P3-034-5
Linear [0.16, -0.86, 5.55, 0.99]
P3-045-17
Linear [0.14, -1.34, 9.81, 0.98]
P3-054-28
Linear [0.19, -1.87, 9.8, 0.97]
P3-068-4
Linear [0.17, -1.66, 9.67, 0.97]
P3-075-19
Linear [0.17, -1.66, 9.67, 0.97]
P3-084-11
Linear [0.14, -0.74, 5.43, 0.98]
P3-099-4
Linear [0.17, -1.72, 10.0, 0.99]
UF

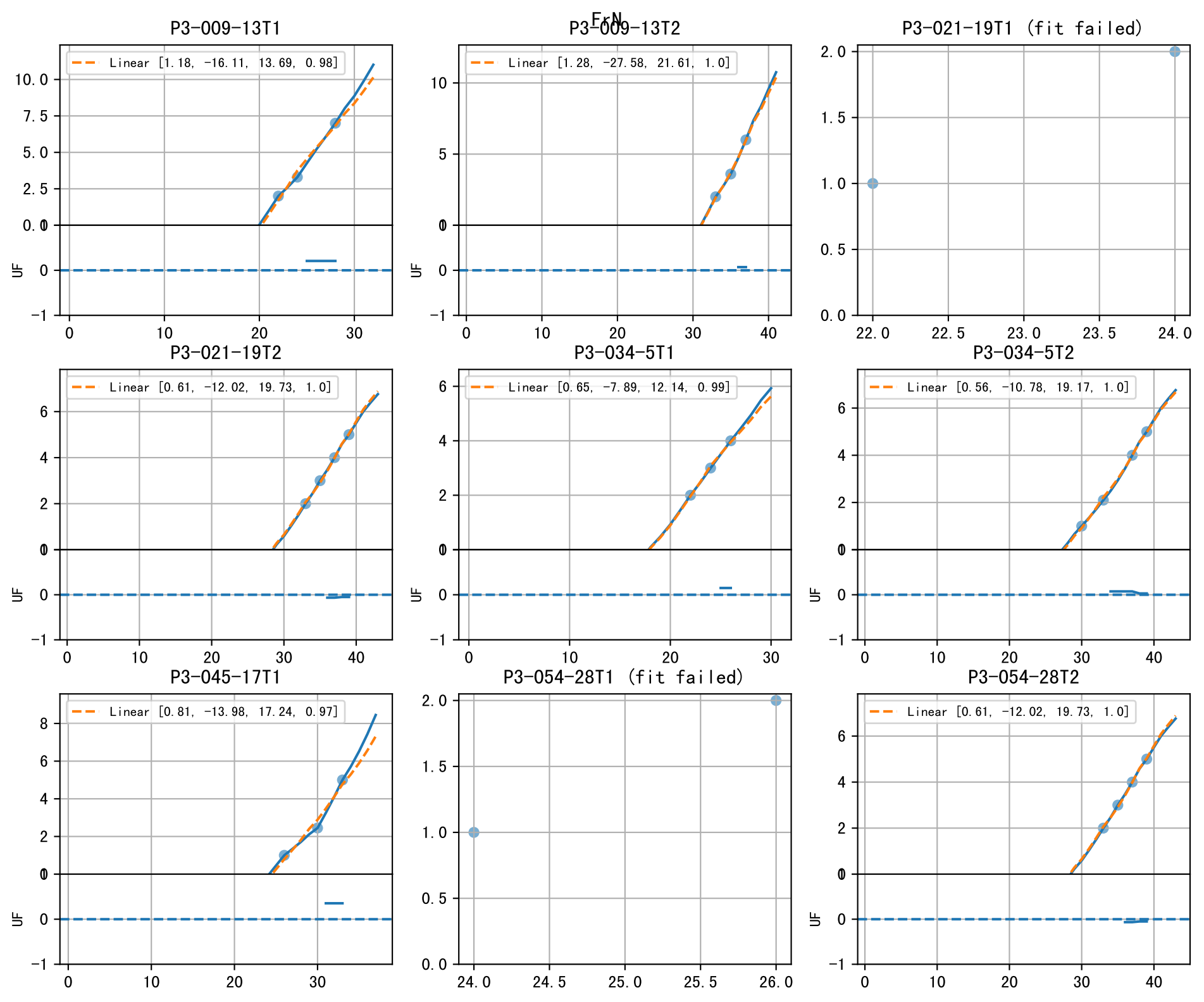


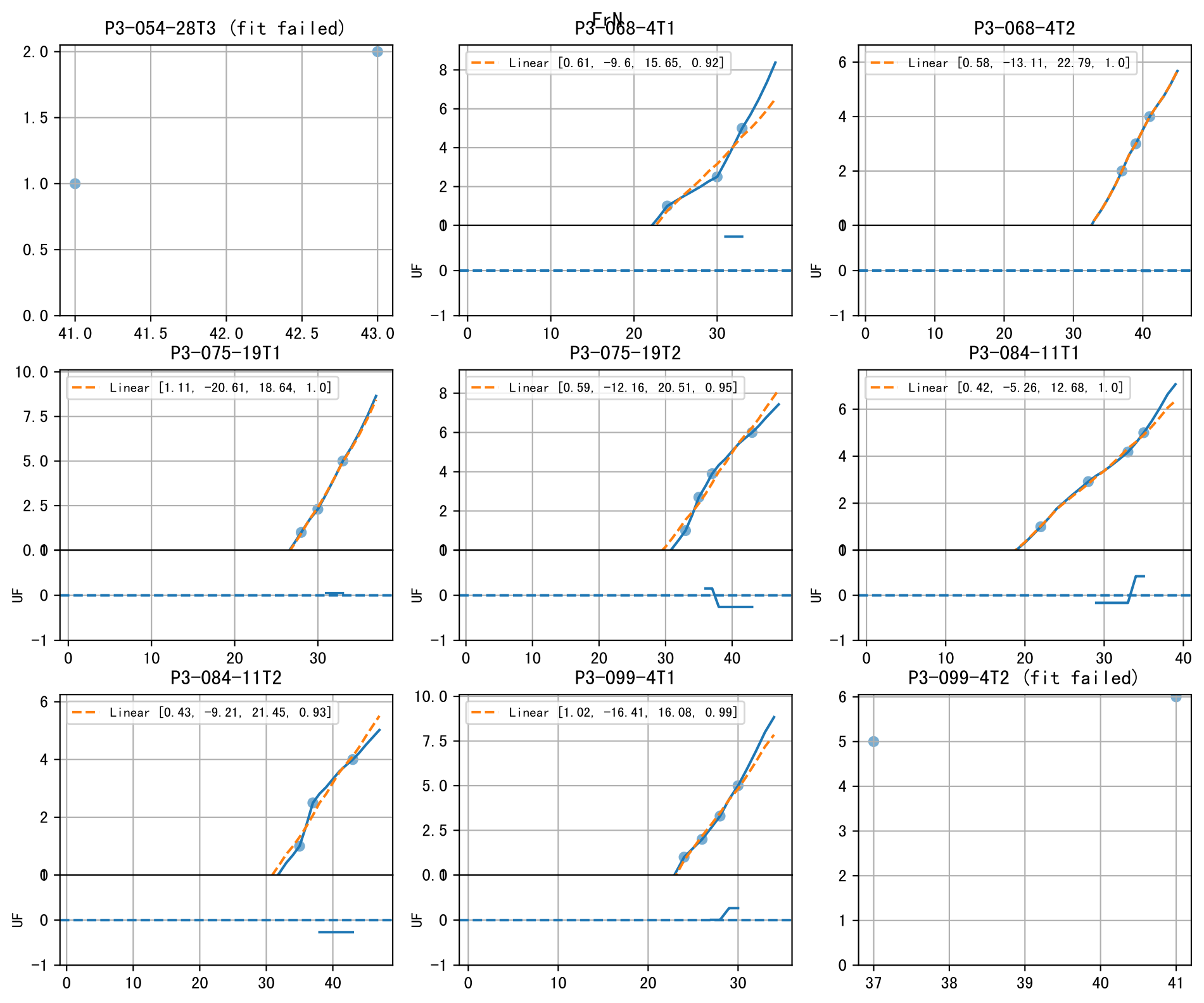
TsN

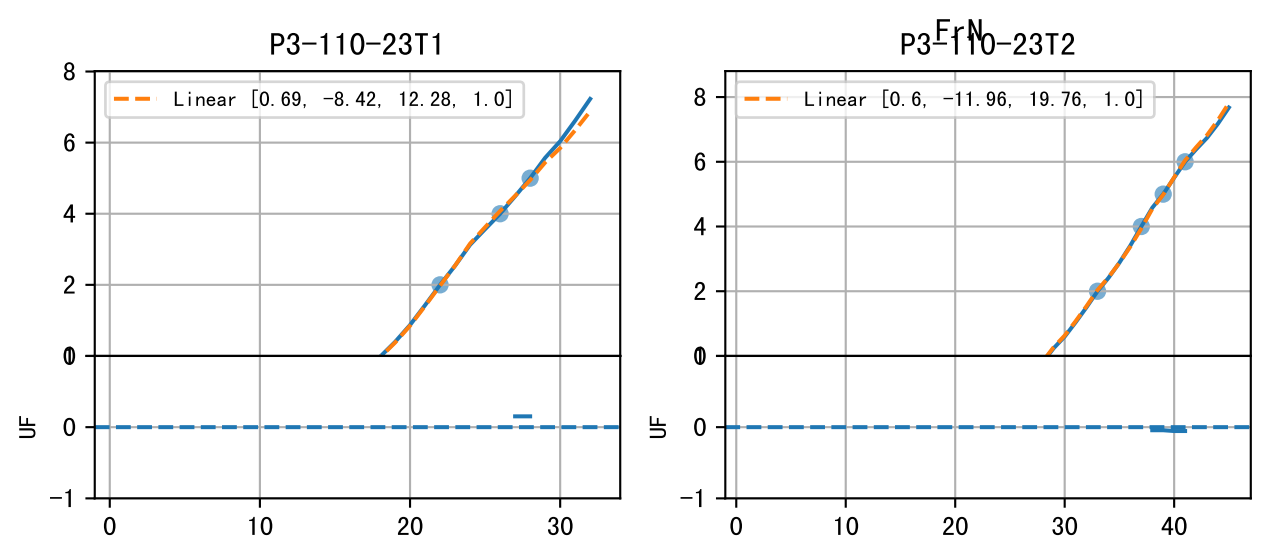

P3avg
TsN
Linear [0.14, -0.81, 5.81, 0.99]
4
3
2
1
0
0
-1
UF
0
10
20
30
40

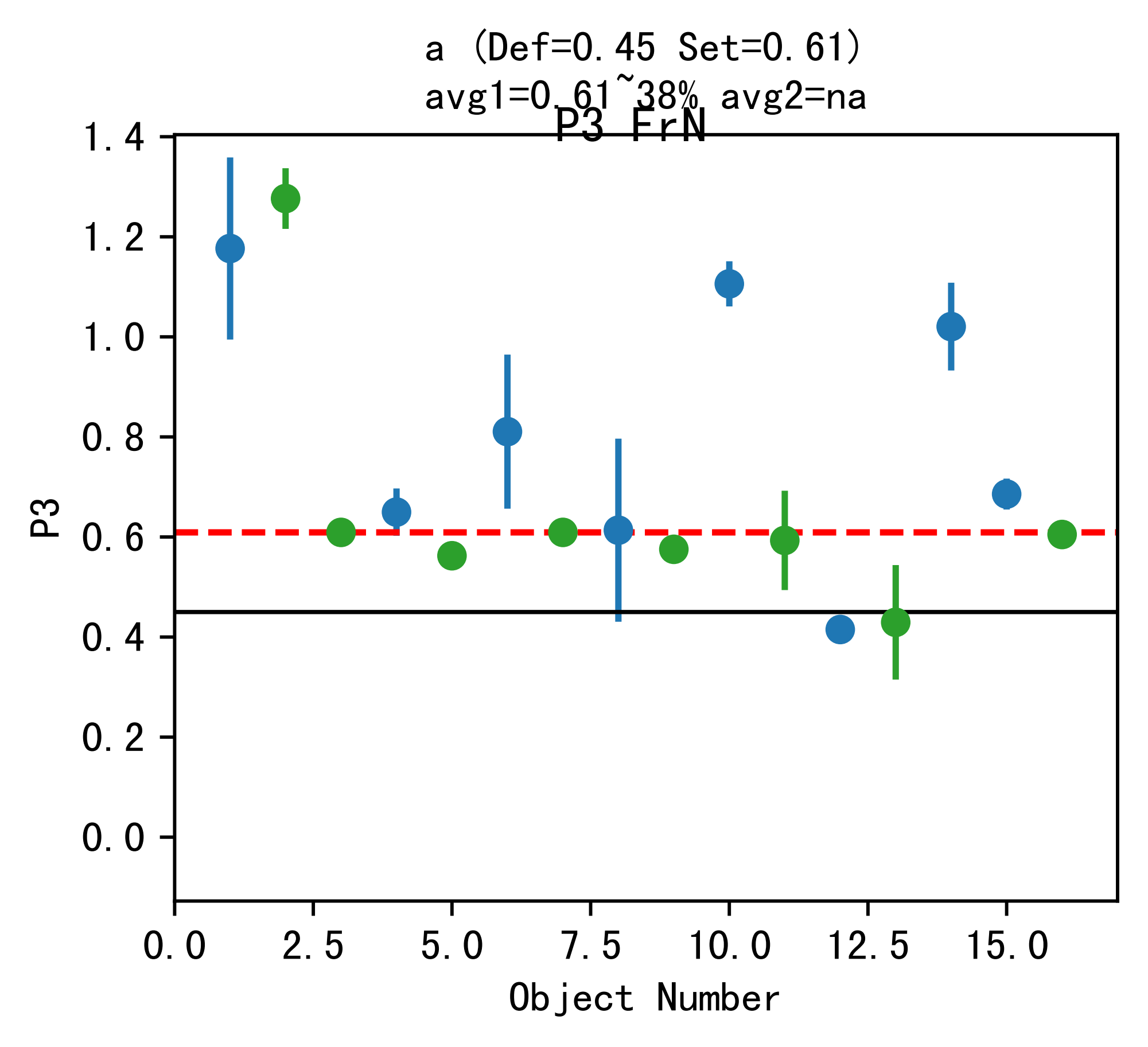

a (Def=0.14 Set=0.14)
avg1=0.15~12% avg2=0.14~12%
P3 TsN
0.20
0.15
0.10
0.05
0.00
P3
0
2
4
6
8
10
12
Object Number

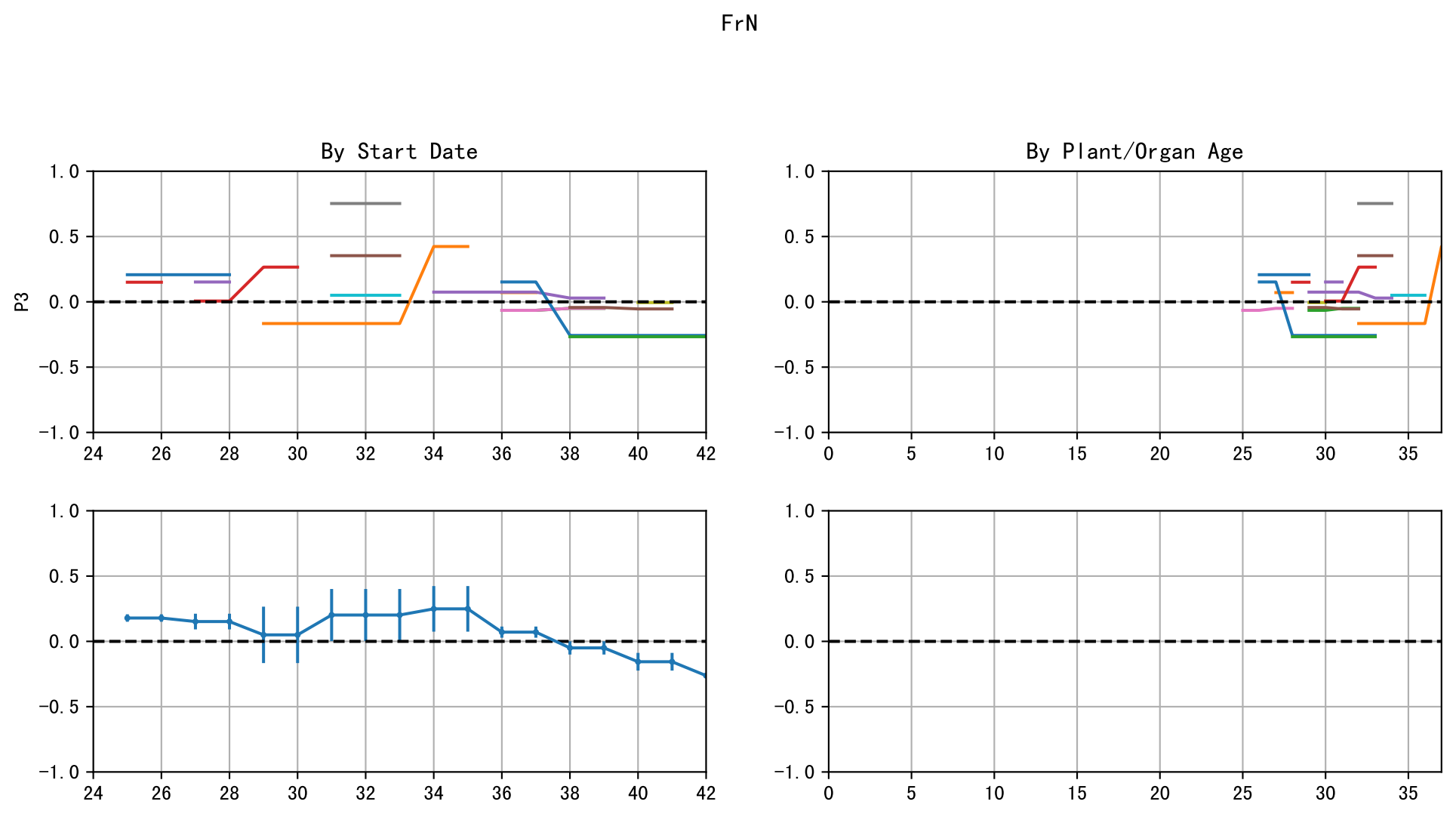

TsN
By Start Date
By Plant/Organ Age
P3
1.0
0.5
0.0
−0.5
−1.0
20
25
30
35
40
0
5
10
15

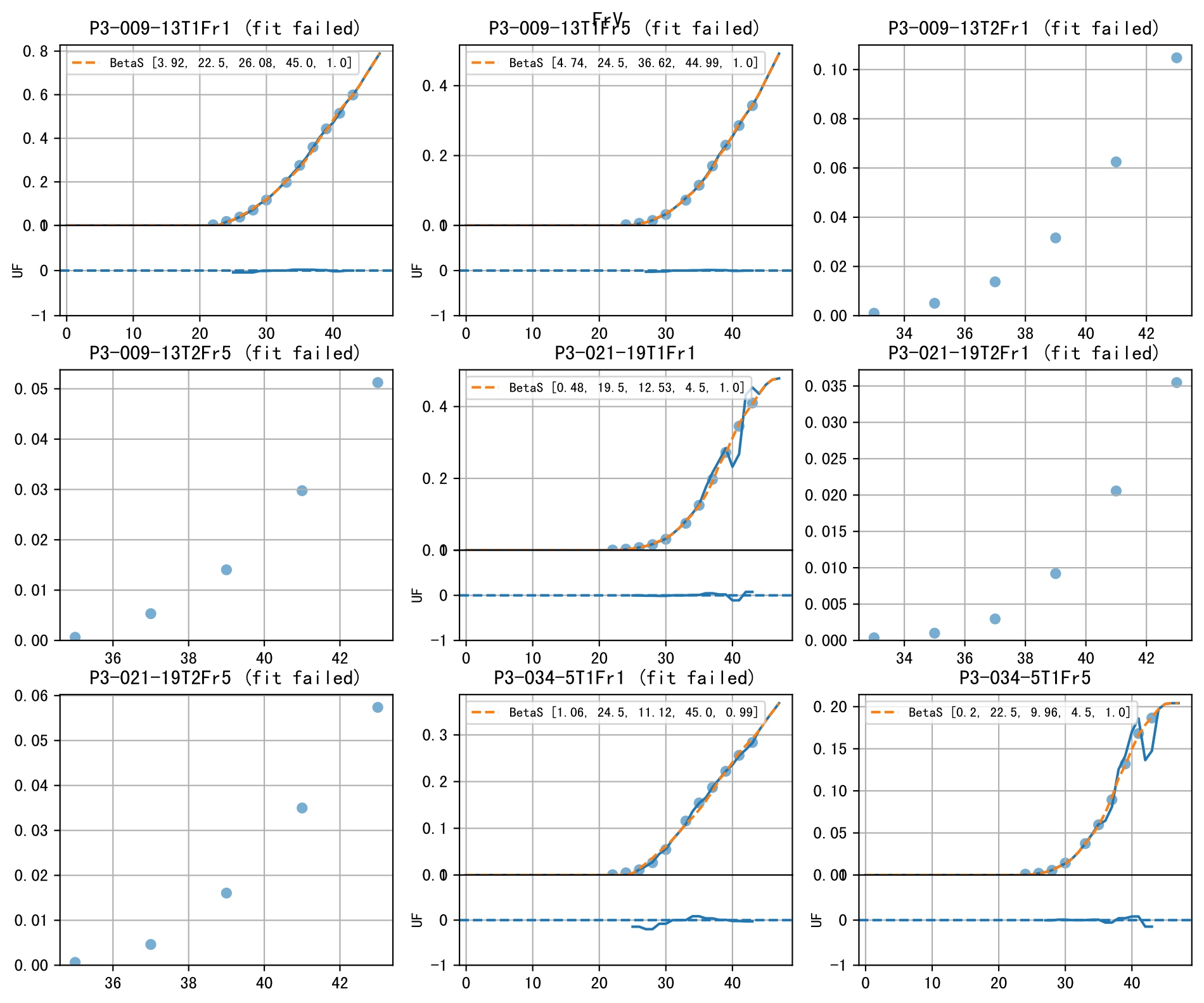

FrN
P3-009-13T1
Linear [1.18, -16.11, 13.69, 0.98]
P3-009-13T2
Linear [1.28, -27.58, 21.61, 1.0]
P3-021-19T1 (fit failed)
P3-021-19T2
Linear [0.61, -12.02, 19.73, 1.0]
P3-034-5T1
Linear [0.65, -7.89, 12.14, 0.99]
P3-034-5T2
Linear [0.56, -10.78, 19.17, 1.0]
P3-045-17T1
Linear [0.81, -13.98, 17.24, 0.97]
P3-054-28T1 (fit failed)
P3-054-28T2
Linear [0.61, -12.02, 19.73, 1.0]
UF

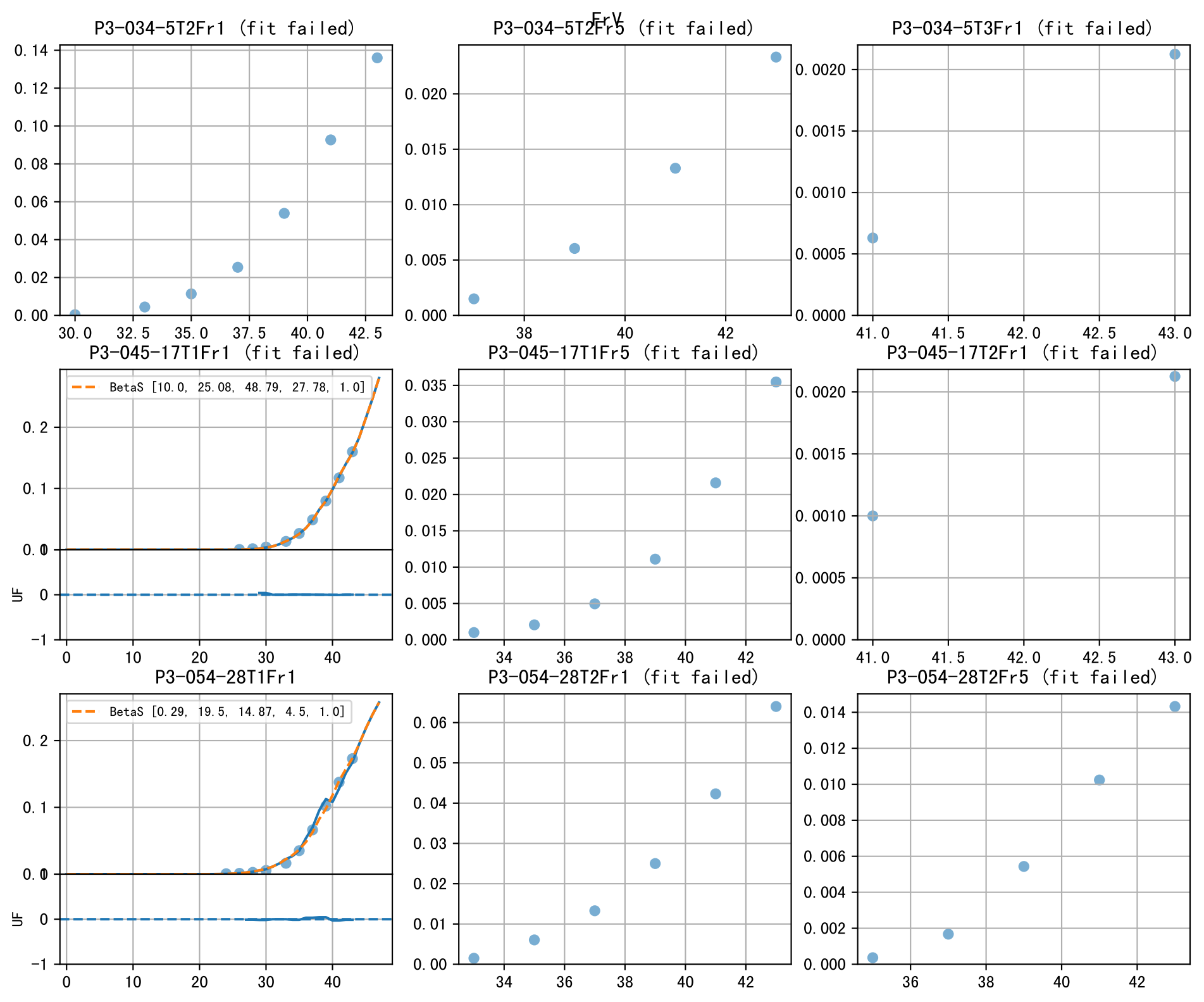

FrN
P3-054-28T3 (fit failed)
P3-068-4T1
Linear [0.61, -9.6, 15.65, 0.92]
P3-068-4T2
Linear [0.58, -13.11, 22.79, 1.0]
P3-075-19T1
Linear [1.11, -20.61, 18.64, 1.0]
P3-075-19T2
Linear [0.59, -12.16, 20.51, 0.95]
P3-084-11T1
Linear [0.42, -5.26, 12.68, 1.0]
P3-084-11T2
Linear [0.43, -9.21, 21.45, 0.93]
P3-099-4T1
Linear [1.02, -16.41, 16.08, 0.99]
P3-099-4T2 (fit failed)
UF

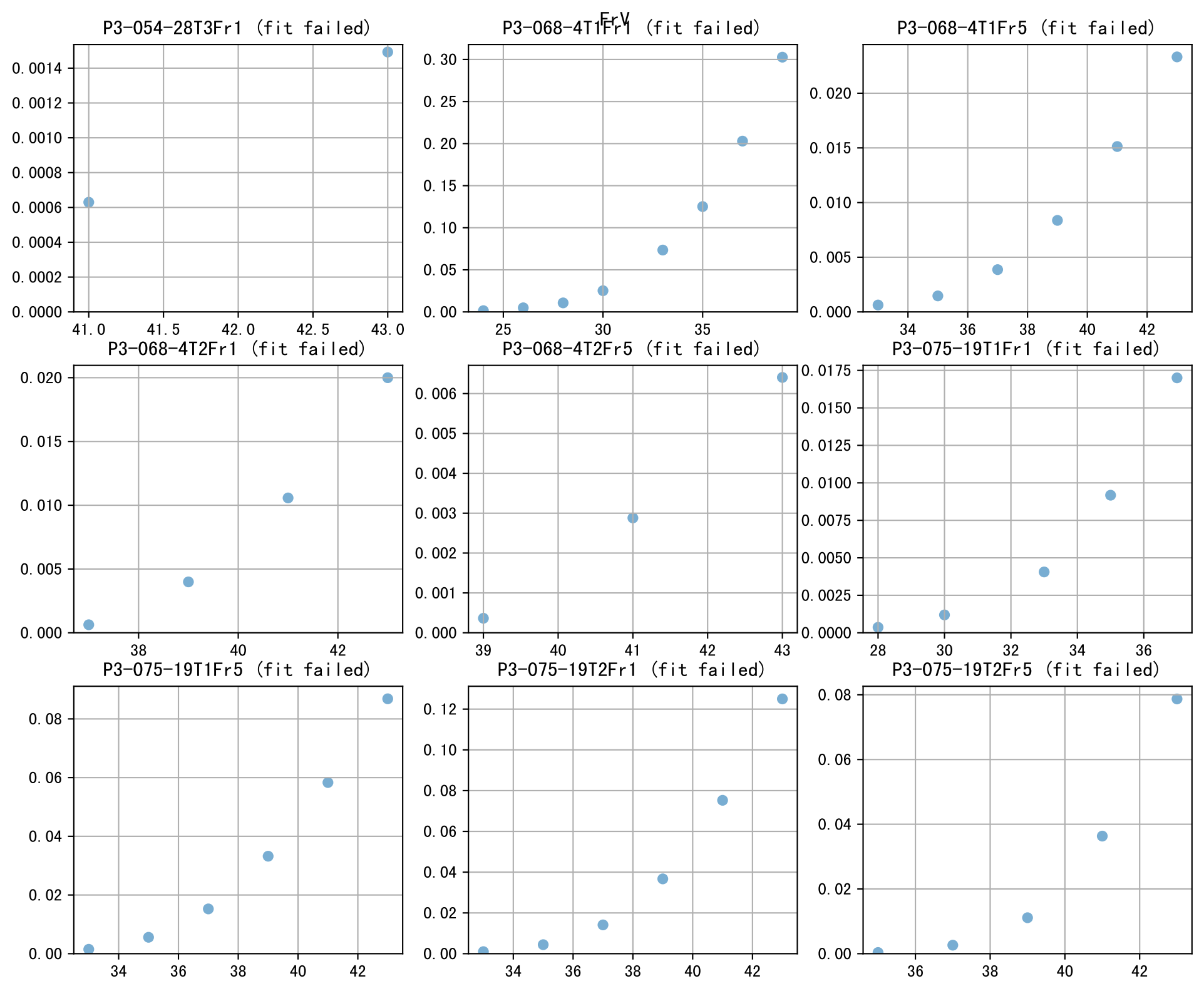

FrN
P3-110-23T1
Linear [0.69, -8.42, 12.28, 1.0]
UF
P3-110-23T2
Linear [0.6, -11.96, 19.76, 1.0]
UF

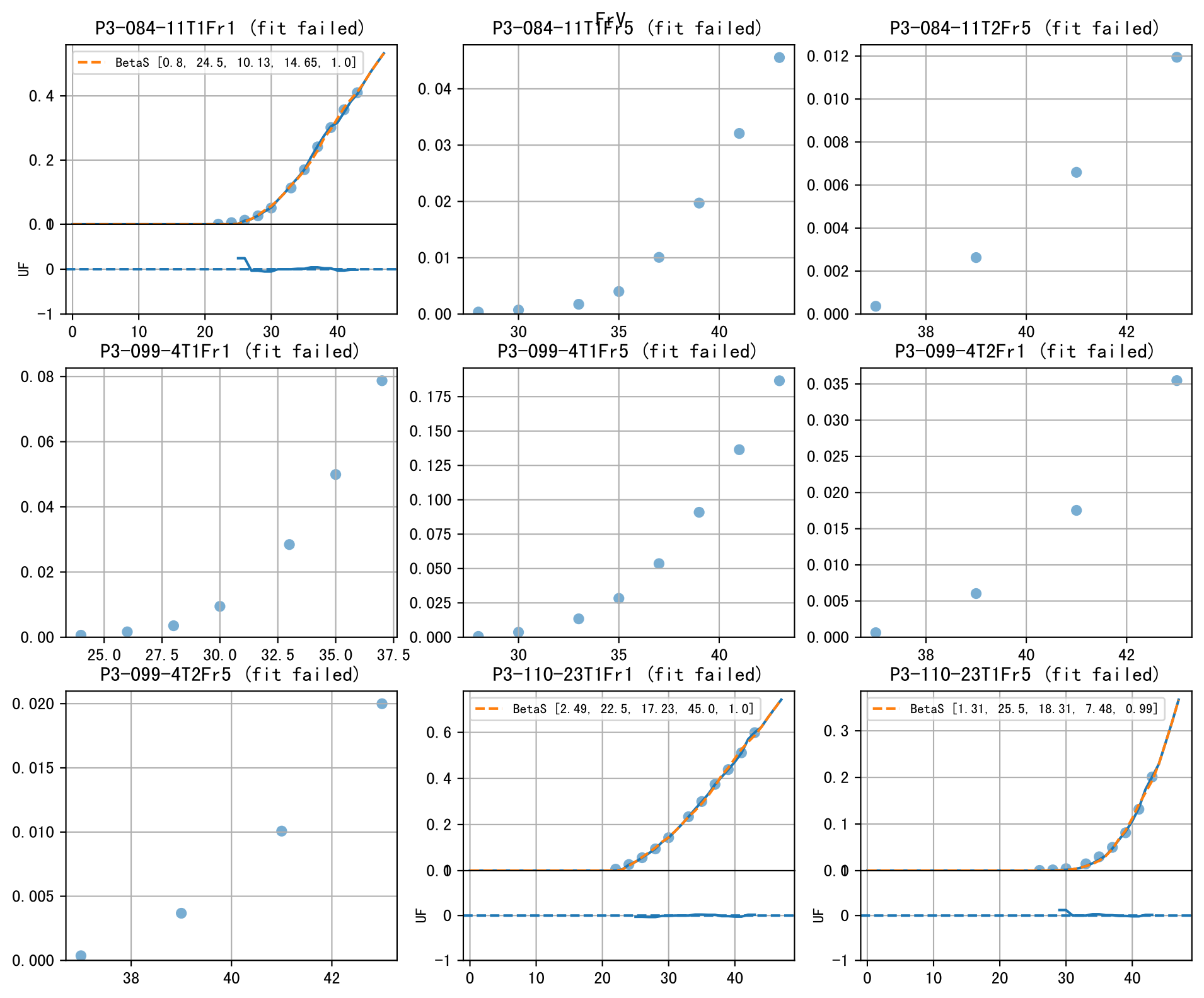

a (Def=0.45 Set=0.61)
avg1=0.61~38% avg2=na
P3 FrN
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
P3
0.0
2.5
5.0
7.5
10.0
12.5
15.0
Object Number

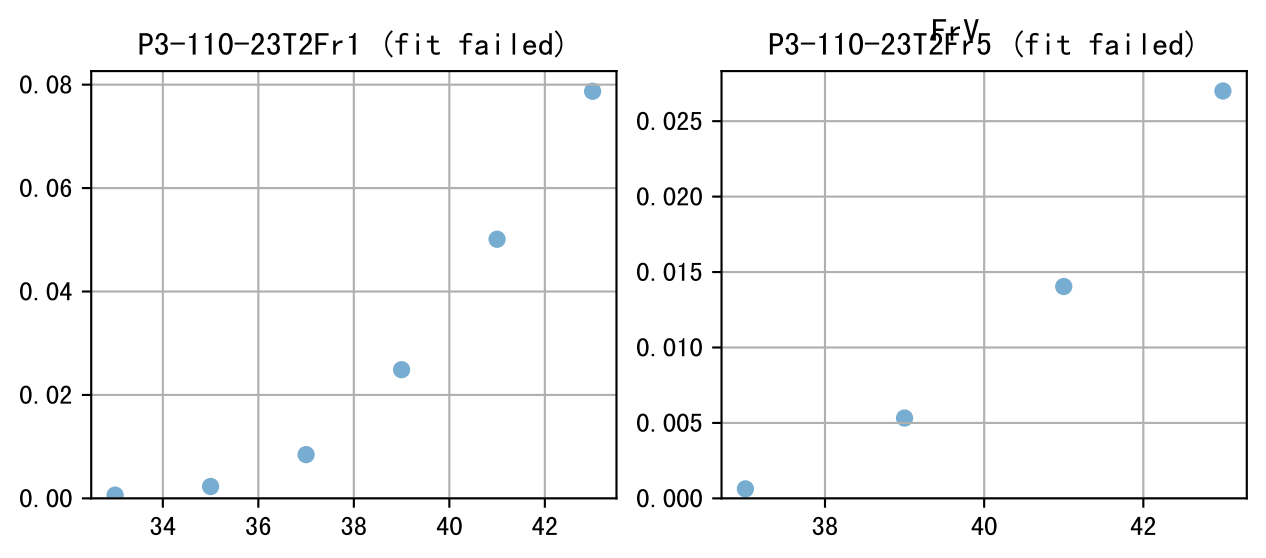

FrN
By Start Date
By Plant/Organ Age
P3
1.0
0.5
0.0
−0.5
−1.0
24
26
28
30
32
34
36
38
40
42
0
5
10
15
20
25
30
35

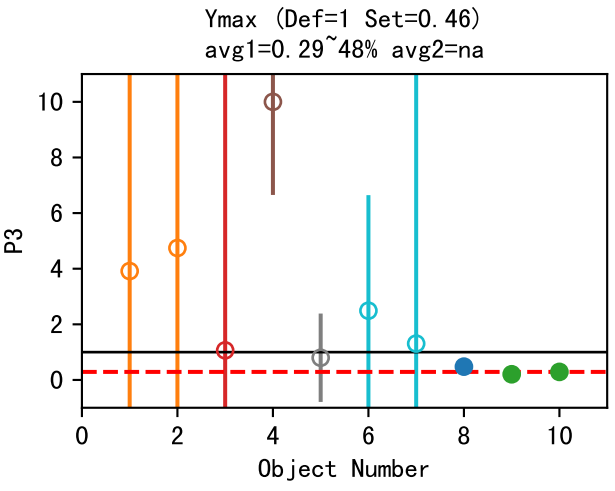

FrV
P3-009-13T1Fr1 (fit failed)
BetaS [3.92, 22.5, 26.08, 45.0, 1.0]
P3-009-13T1Fr5 (fit failed)
BetaS [4.74, 24.5, 36.62, 44.99, 1.0]
P3-009-13T2Fr1 (fit failed)
P3-009-13T2Fr5 (fit failed)
P3-021-19T1Fr1
BetaS [0.48, 19.5, 12.53, 4.5, 1.0]
P3-021-19T2Fr1 (fit failed)
P3-021-19T2Fr5 (fit failed)
P3-034-5T1Fr1 (fit failed)
BetaS [1.06, 24.5, 11.12, 45.0, 0.99]
P3-034-5T1Fr5
BetaS [0.2, 22.5, 9.96, 4.5, 1.0]
UF

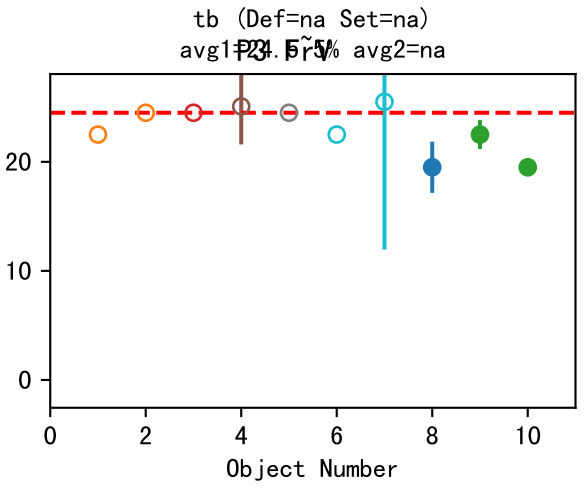

FrV
P3-034-5T2Fr1 (fit failed)
P3-034-5T2Fr5 (fit failed)
P3-034-5T3Fr1 (fit failed)
P3-045-17T1Fr1 (fit failed)
BetaS [10.0, 25.08, 48.79, 27.78, 1.0]
P3-045-17T1Fr5 (fit failed)
P3-045-17T2Fr1 (fit failed)
P3-054-28T1Fr1
BetaS [0.29, 19.5, 14.87, 4.5, 1.0]
P3-054-28T2Fr1 (fit failed)
P3-054-28T2Fr5 (fit failed)
UF

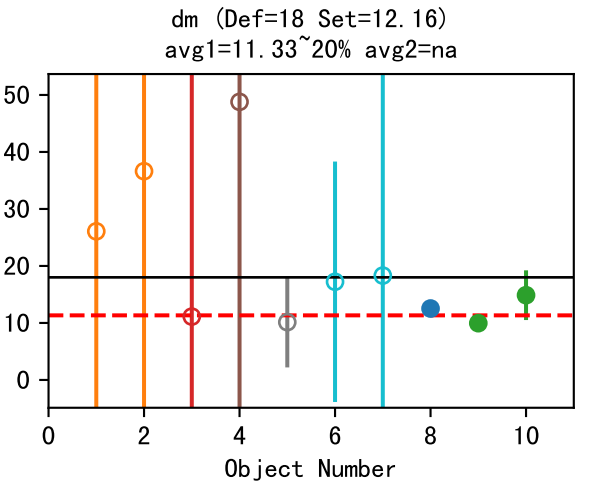

FrV
P3-054-28T3Fr1 (fit failed)
P3-068-4T1Fr1 (fit failed)
P3-068-4T1Fr5 (fit failed)
P3-068-4T2Fr1 (fit failed)
P3-068-4T2Fr5 (fit failed)
P3-075-19T1Fr1 (fit failed)
P3-075-19T1Fr5 (fit failed)
P3-075-19T2Fr1 (fit failed)
P3-075-19T2Fr5 (fit failed)

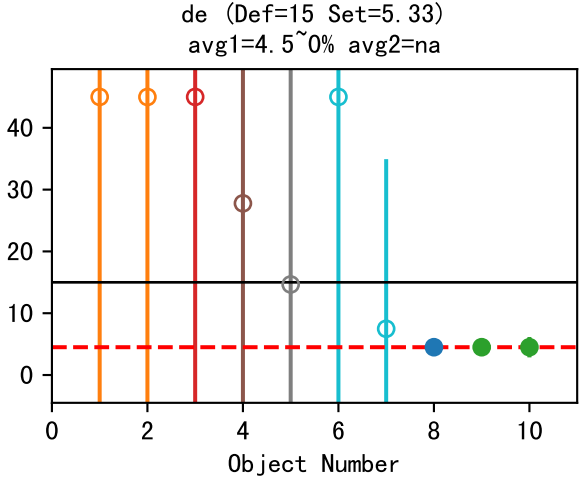

FrV
P3-084-11T1Fr1 (fit failed)
BetaS [0.8, 24.5, 10.13, 14.65, 1.0]
UF
P3-084-11T1Fr5 (fit failed)
P3-084-11T2Fr5 (fit failed)
P3-099-4T1Fr1 (fit failed)
P3-099-4T1Fr5 (fit failed)
P3-099-4T2Fr1 (fit failed)
P3-099-4T2Fr5 (fit failed)
P3-110-23T1Fr1 (fit failed)
BetaS [2.49, 22.5, 17.23, 45.0, 1.0]
UF
P3-110-23T1Fr5 (fit failed)
BetaS [1.31, 25.5, 18.31, 7.48, 0.99]
UF

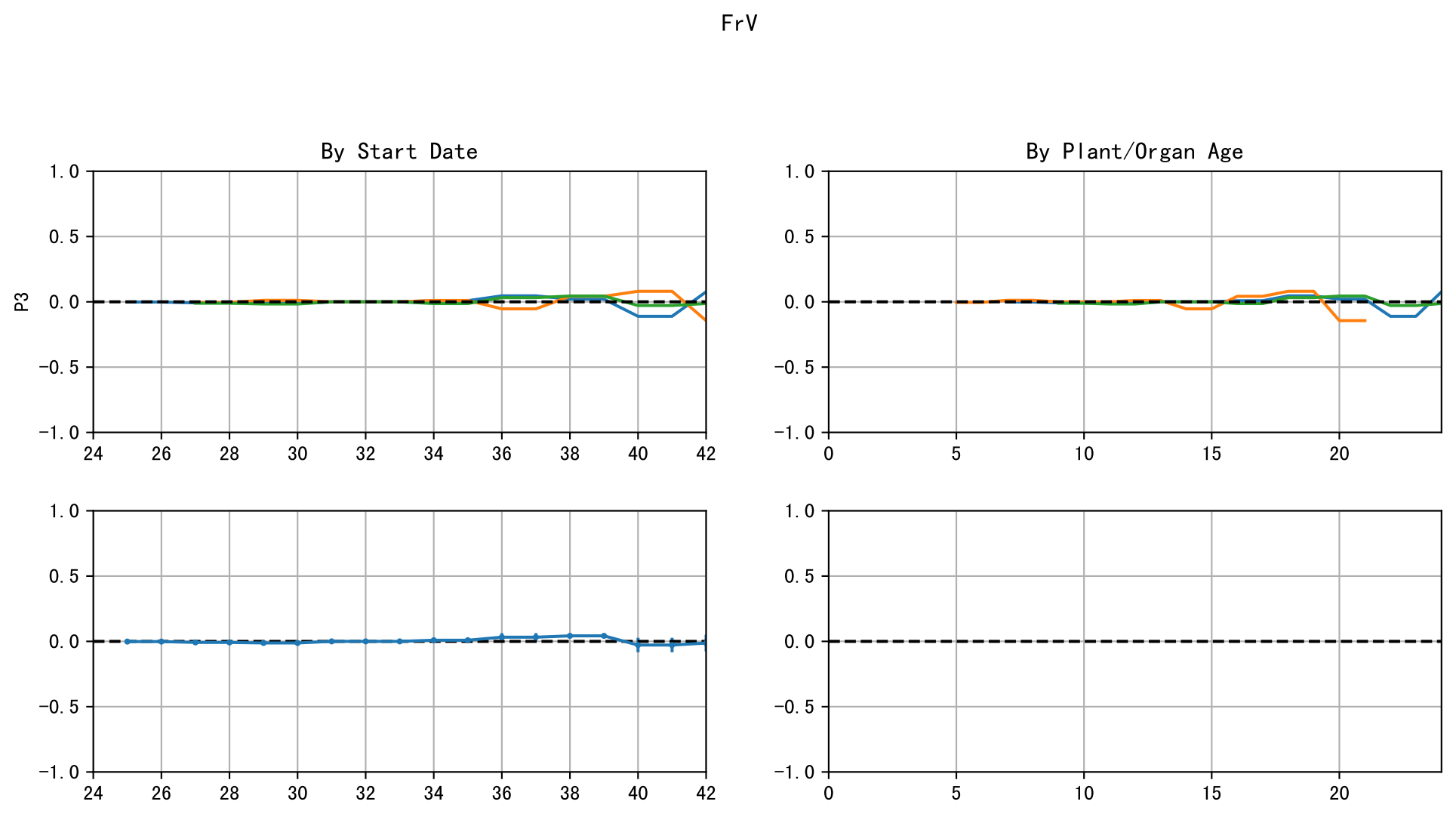

P3-110-23T2Fr1 (fit failed)
0.08
0.06
0.04
0.02
0.00
34
36
38
40
42
FrV
P3-110-23T2Fr5 (fit failed)
0.025
0.020
0.015
0.010
0.005
0.000
38
40
42

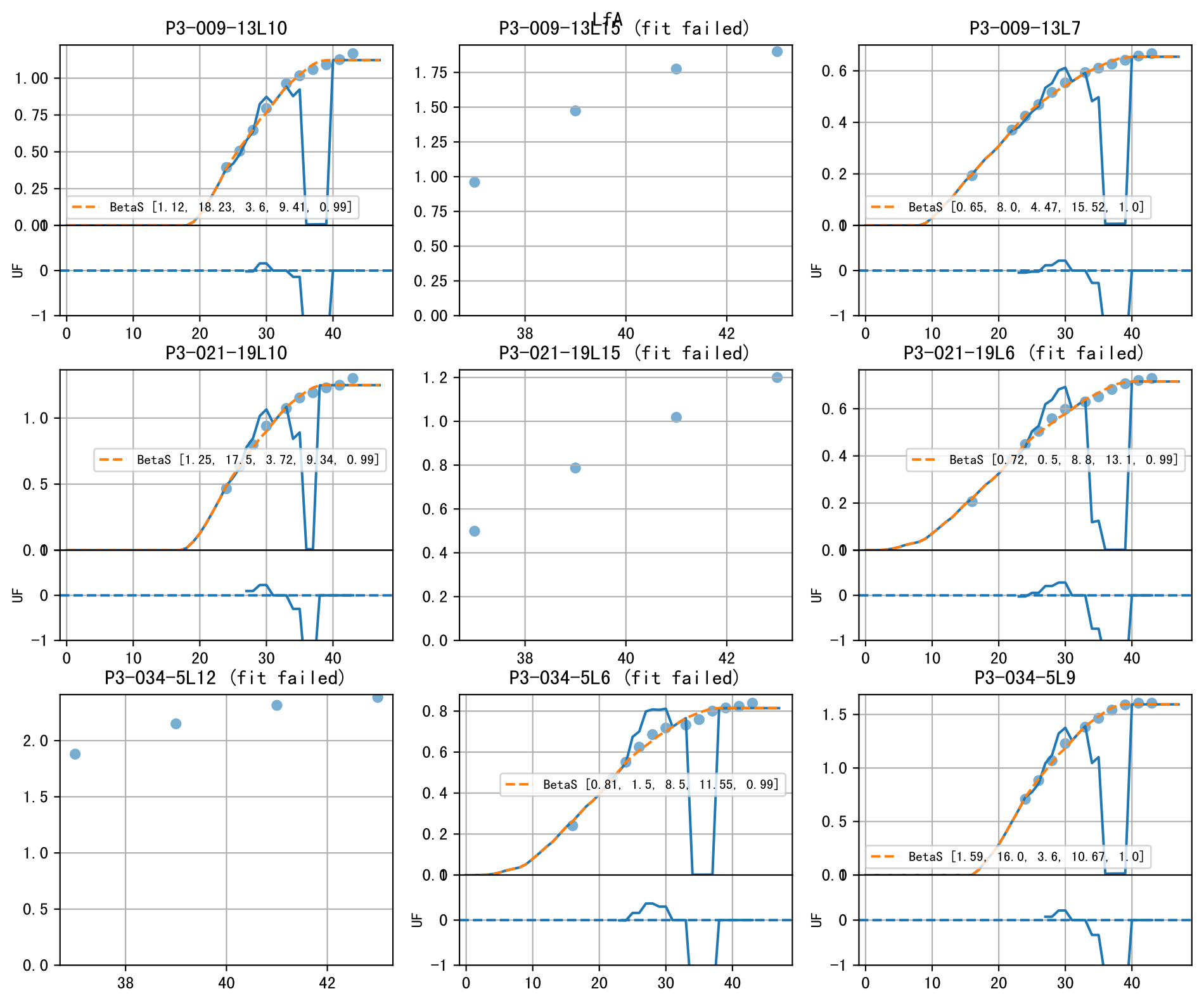

Ymax (Def=1 Set=0.46)
avg1=0.29~48% avg2=na
P3
Object Number

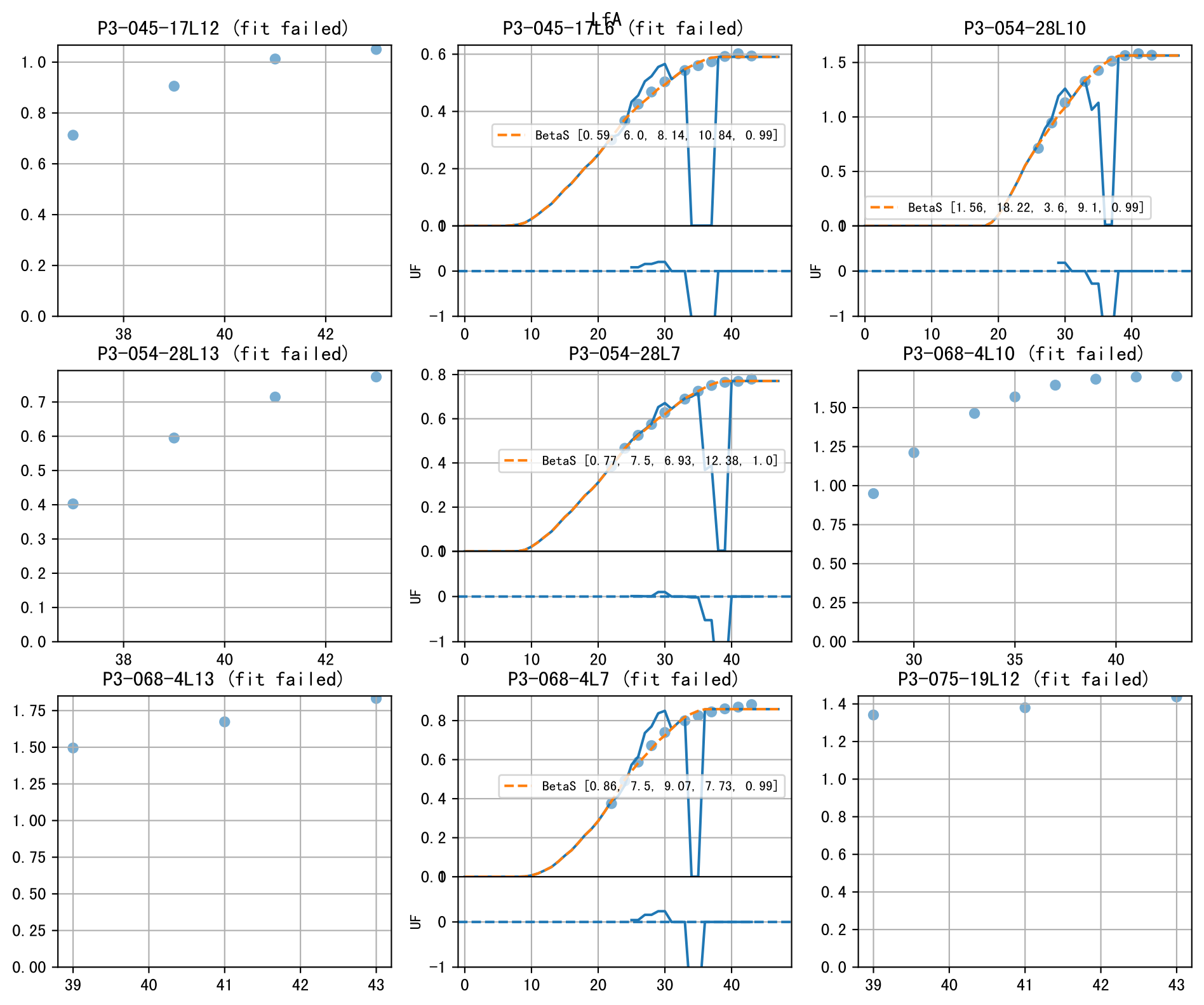

tb (Def=na Set=na)
avg1=24.5~5% avg2=na
Object Number

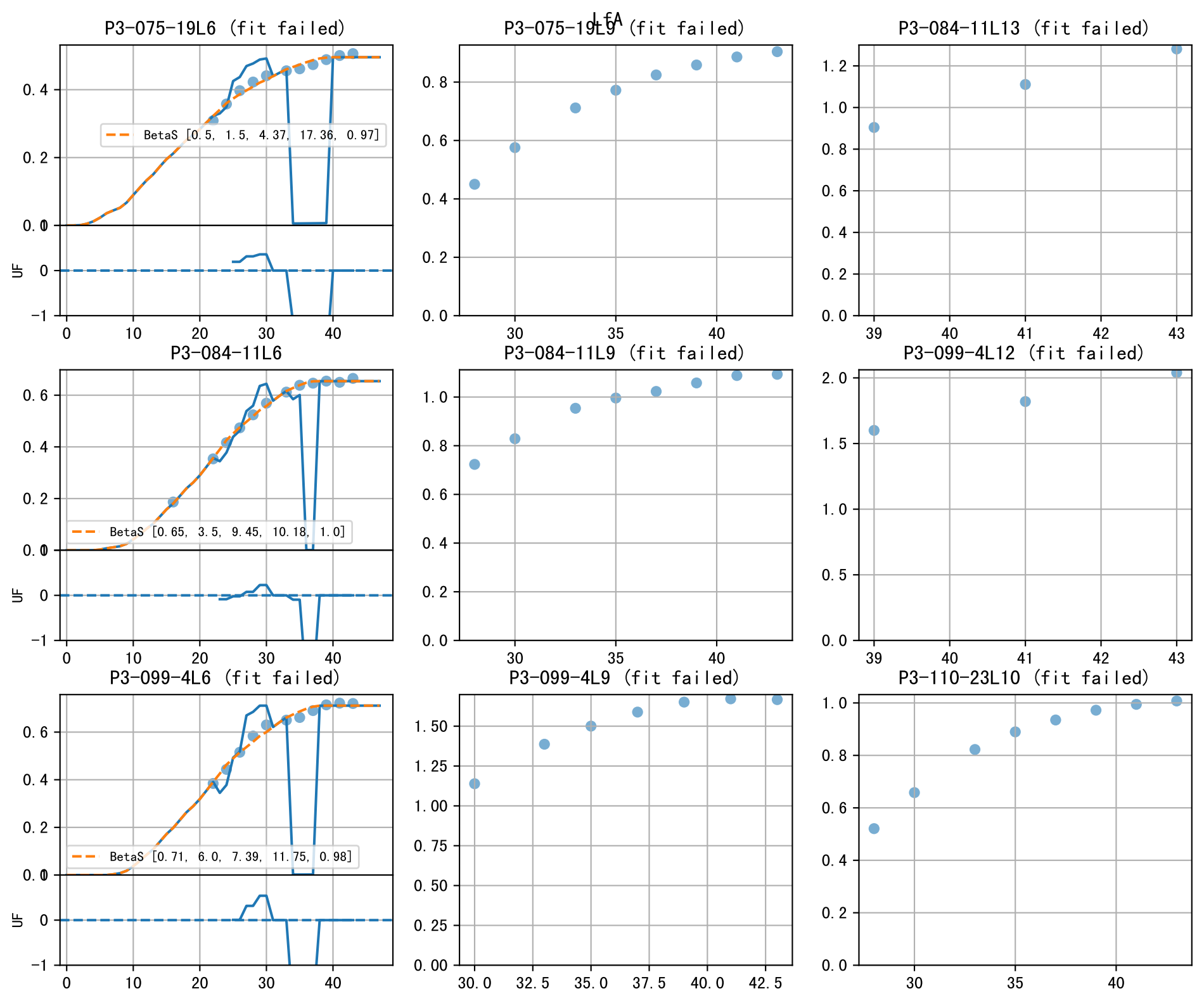

dm (Def=18 Set=12.16)
avg1=11.33~20% avg2=na
Object Number

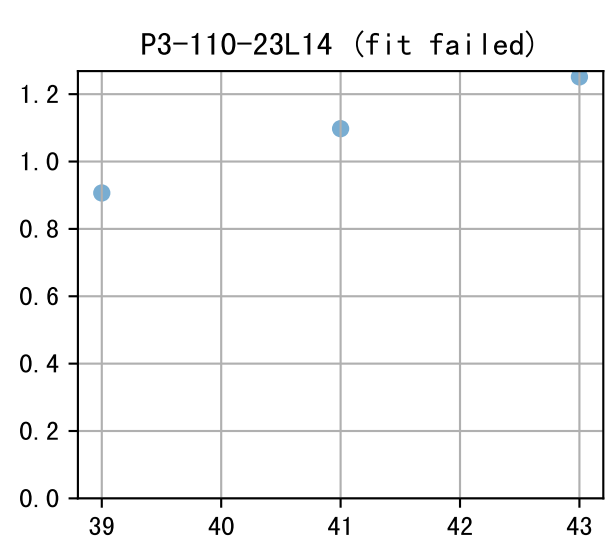

de (Def=15 Set=5.33)
avg1=4.5~0% avg2=na
Object Number

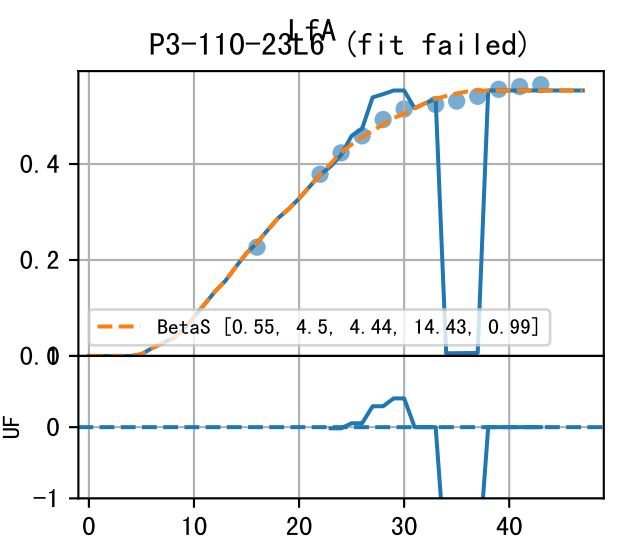

FrV
By Start Date
By Plant/Organ Age
P3
1.0
0.5
0.0
−0.5
−1.0
24
26
28
30
32
34
36
38
40
42
0
5
10
15
20

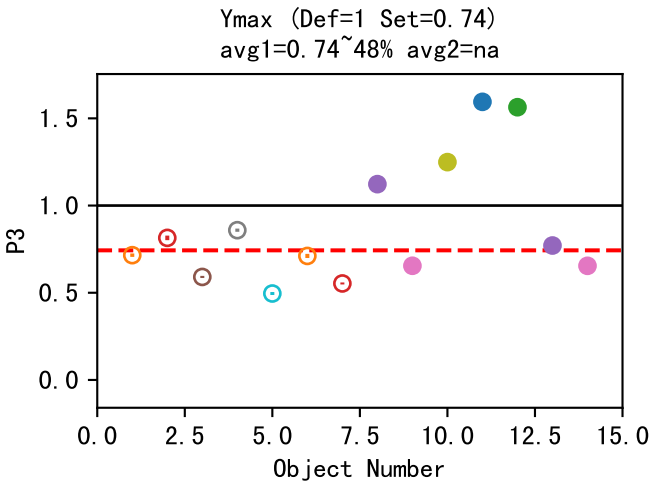

LfA
P3-009-13L10
BetaS [1.12, 18.23, 3.6, 9.41, 0.99]
UF
P3-009-13L15 (fit failed)
P3-009-13L7
BetaS [0.65, 8.0, 4.47, 15.52, 1.0]
UF
P3-021-19L10
BetaS [1.25, 17.5, 3.72, 9.34, 0.99]
UF
P3-021-19L15 (fit failed)
P3-021-19L6 (fit failed)
BetaS [0.72, 0.5, 8.8, 13.1, 0.99]
UF
P3-034-5L12 (fit failed)
P3-034-5L6 (fit failed)
BetaS [0.81, 1.5, 8.5, 11.55, 0.99]
UF
P3-034-5L9
BetaS [1.59, 16.0, 3.6, 10.67, 1.0]
UF

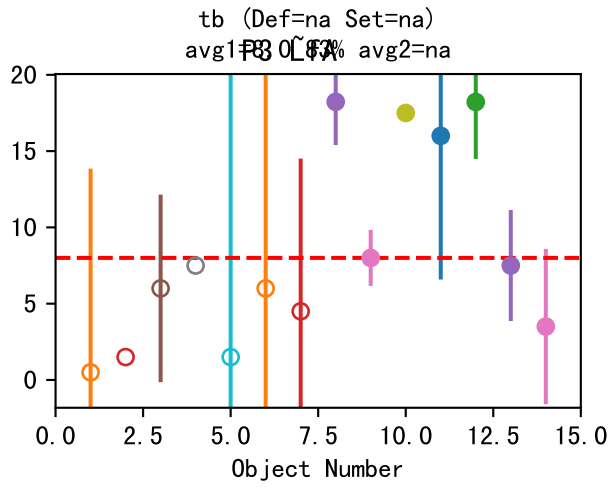

P3-045-17L12 (fit failed)
P3-045-17L6 (fit failed)
P3-054-28L10
P3-054-28L13 (fit failed)
P3-054-28L7
P3-068-4L10 (fit failed)
P3-068-4L13 (fit failed)
P3-068-4L7 (fit failed)
P3-075-19L12 (fit failed)
BetaS [0.59, 6.0, 8.14, 10.84, 0.99]
BetaS [1.56, 18.22, 3.6, 9.1, 0.99]
BetaS [0.77, 7.5, 6.93, 12.38, 1.0]
BetaS [0.86, 7.5, 9.07, 7.73, 0.99]
UF

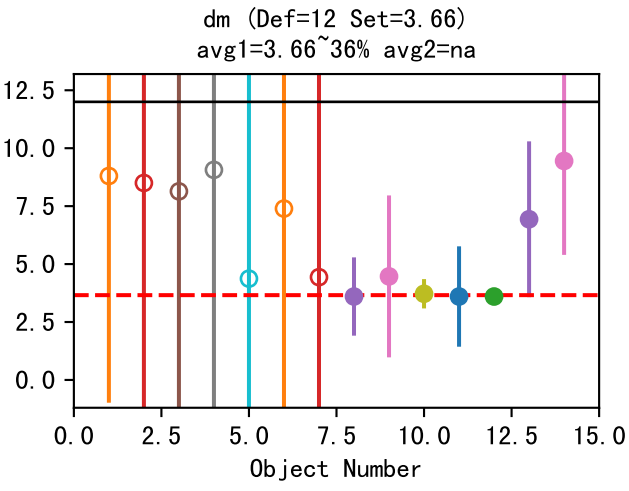

LfA
P3-075-19L6 (fit failed)
BetaS [0.5, 1.5, 4.37, 17.36, 0.97]
UF
P3-075-19L9 (fit failed)
P3-084-11L13 (fit failed)
P3-084-11L6
BetaS [0.65, 3.5, 9.45, 10.18, 1.0]
UF
P3-084-11L9 (fit failed)
P3-099-4L12 (fit failed)
P3-099-4L6 (fit failed)
BetaS [0.71, 6.0, 7.39, 11.75, 0.98]
UF
P3-099-4L9 (fit failed)
P3-110-23L10 (fit failed)

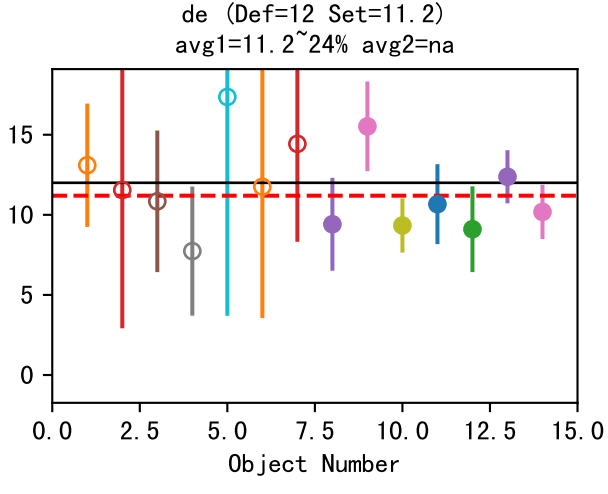

P3-110-23L14 (fit failed)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
39
40
41
42
43

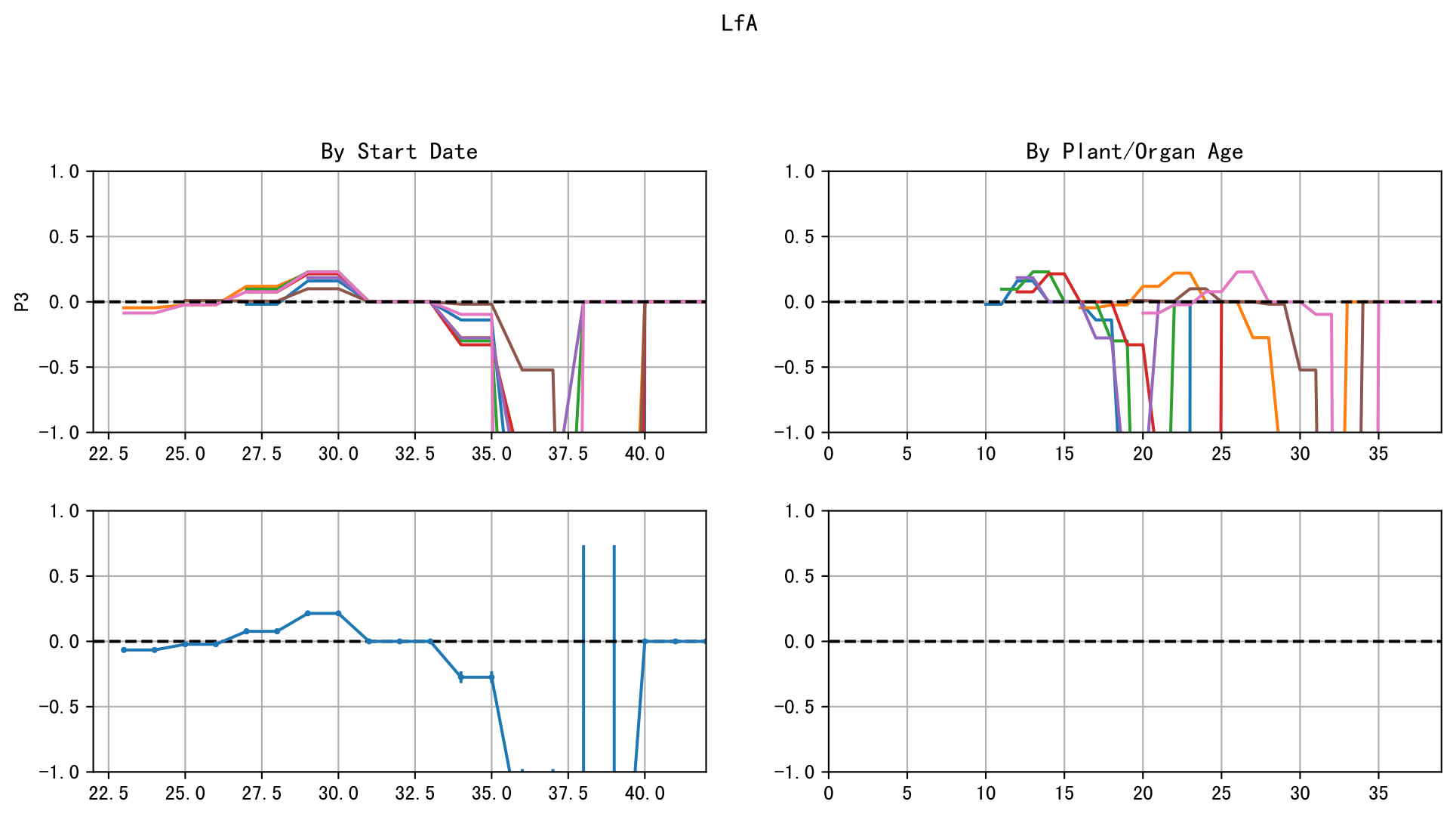

I_fA
P3-110-23L6 (fit failed)
0.4
0.2
0.0
BetaS [0.55, 4.5, 4.44, 14.43, 0.99]
UF
0
−1
0
10
20
30
40

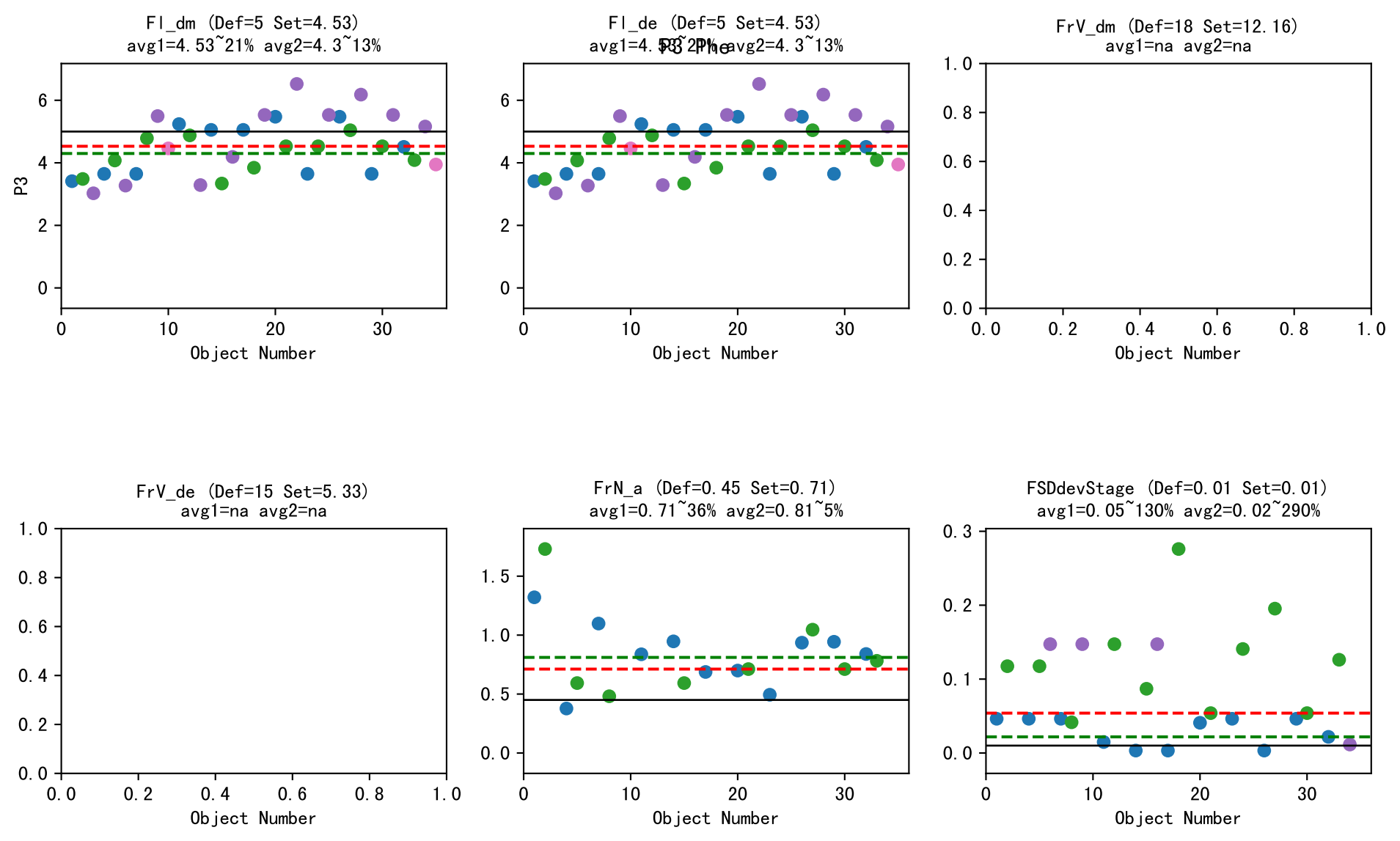

Ymax (Def=1 Set=0.74)
avg1=0.74~48% avg2=na
P3
Object Number

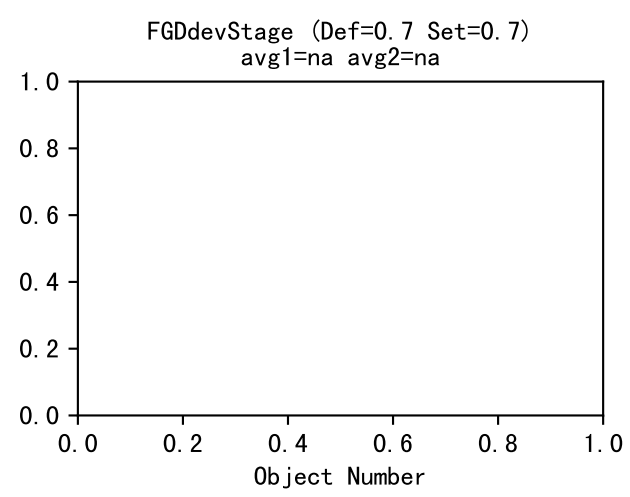

tb (Def=na Set=na)
avg1=83.0~63% avg2=na
Object Number

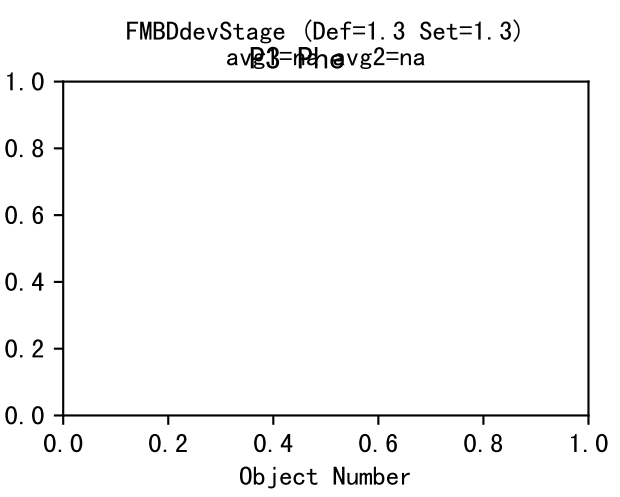

dm (Def=12 Set=3.66)
avg1=3.66~36% avg2=na
Object Number

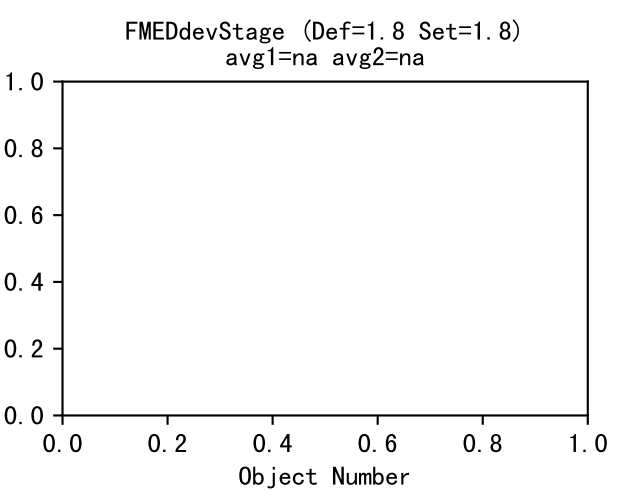

de (Def=12 Set=11.2)
avg1=11.2~24% avg2=na
Object Number

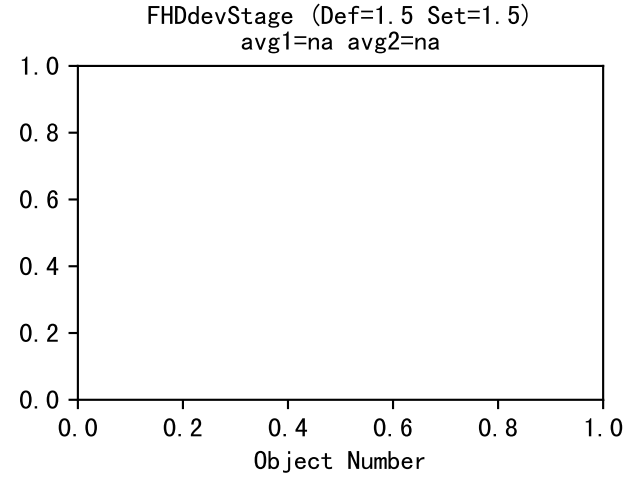

LfA
By Start Date
By Plant/Organ Age
P3
1.0
0.5
0.0
−0.5
−1.0
22.5
25.0
27.5
30.0
32.5
35.0
37.5
40.0
0
5
10
15
20
25
30
35

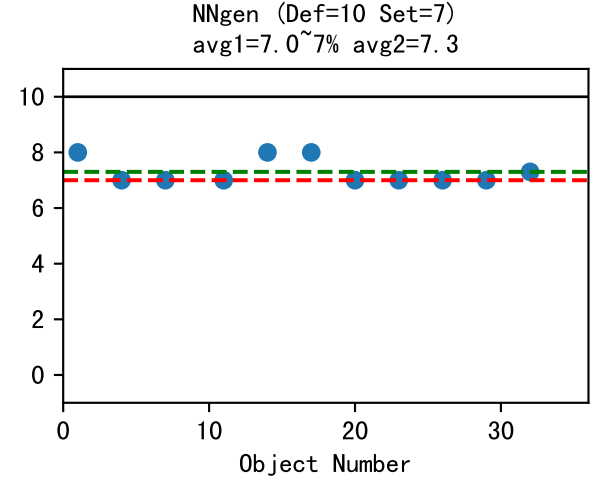

Fl_dm (Def=5 Set=4.53)
avg1=4.53~21% avg2=4.3~13%
P3
Object Number
Fl_de (Def=5 Set=4.53)
avg1=4.53~21% avg2=4.3~13%
P3 Phe
Object Number
FrV_dm (Def=18 Set=12.16)
avg1=na avg2=na
Object Number
FrV_de (Def=15 Set=5.33)
avg1=na avg2=na
Object Number
FrN_a (Def=0.45 Set=0.71)
avg1=0.71~36% avg2=0.81~5%
Object Number
FSDdevStage (Def=0.01 Set=0.01)
avg1=0.05~130% avg2=0.02~290%
Object Number

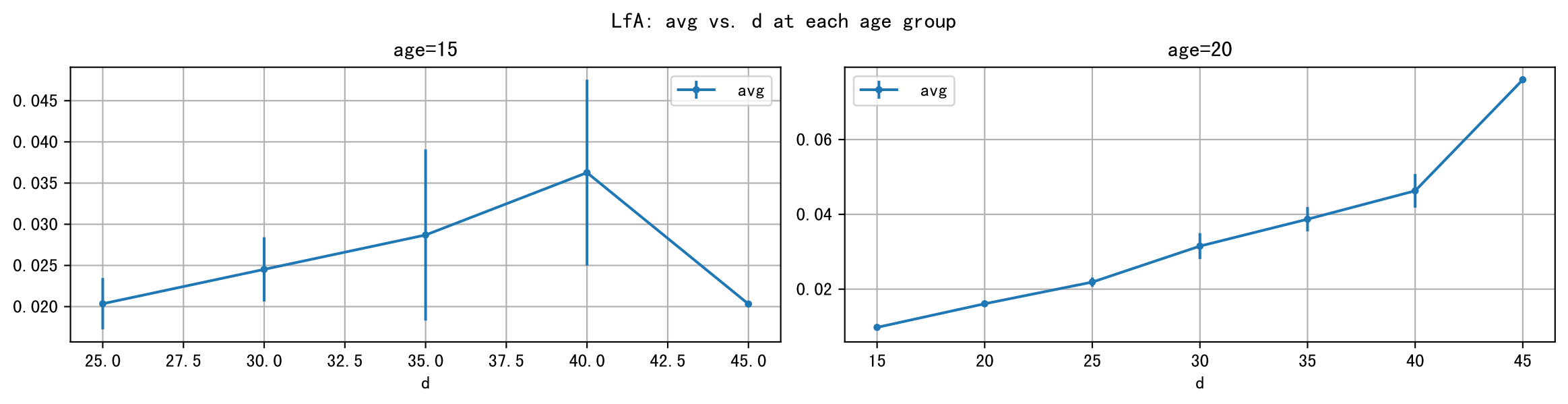

FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Object Number

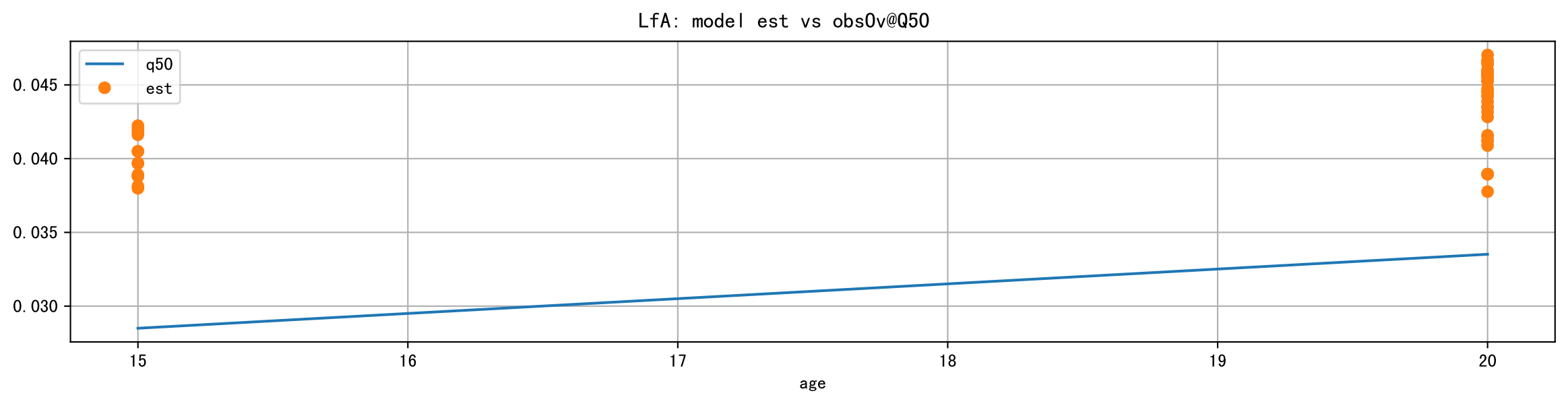

FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Object Number

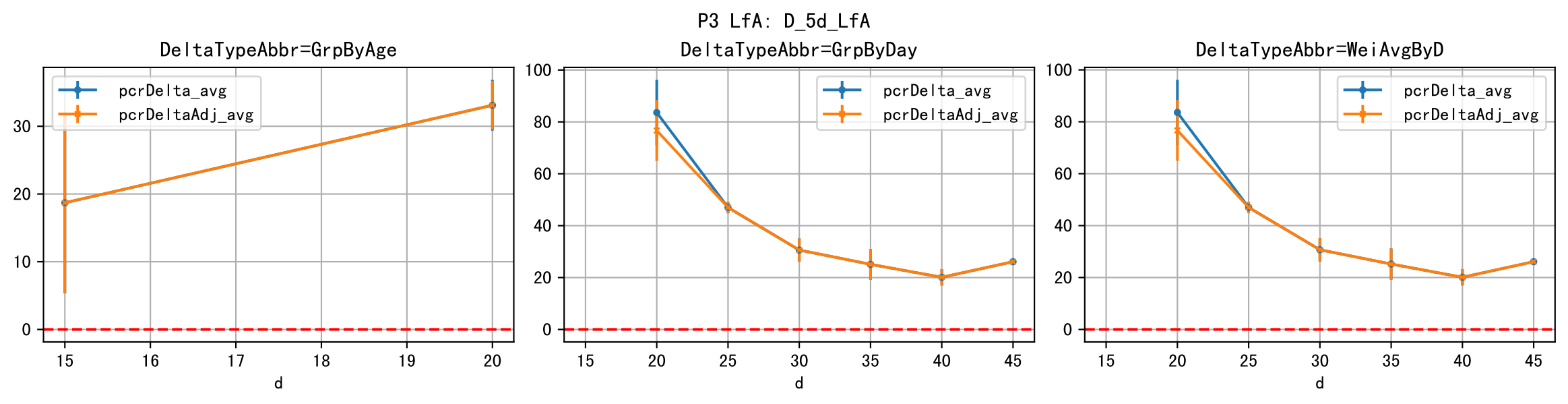

FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Object Number

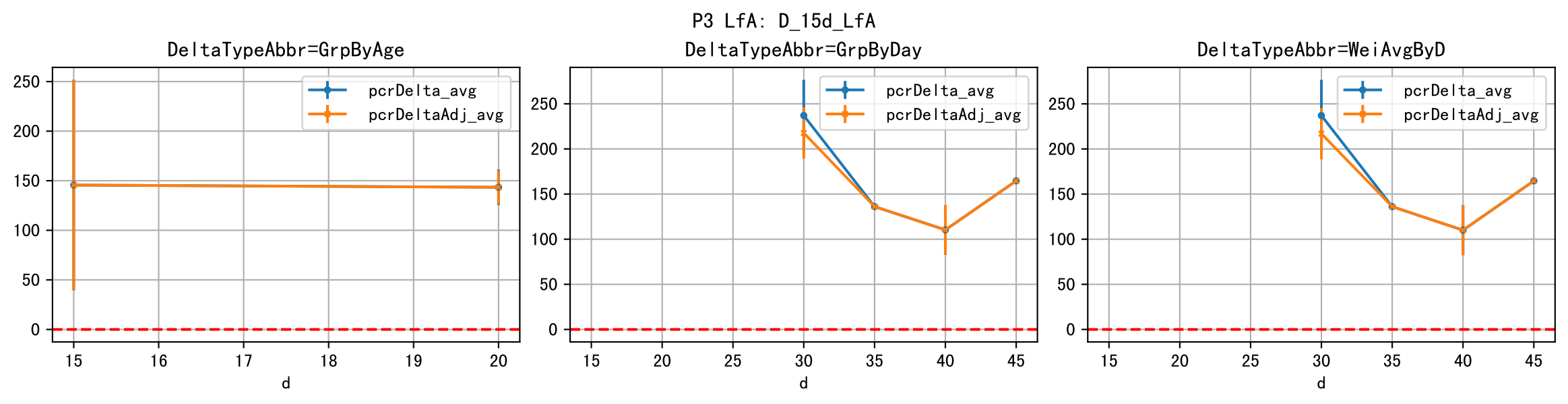

FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Object Number

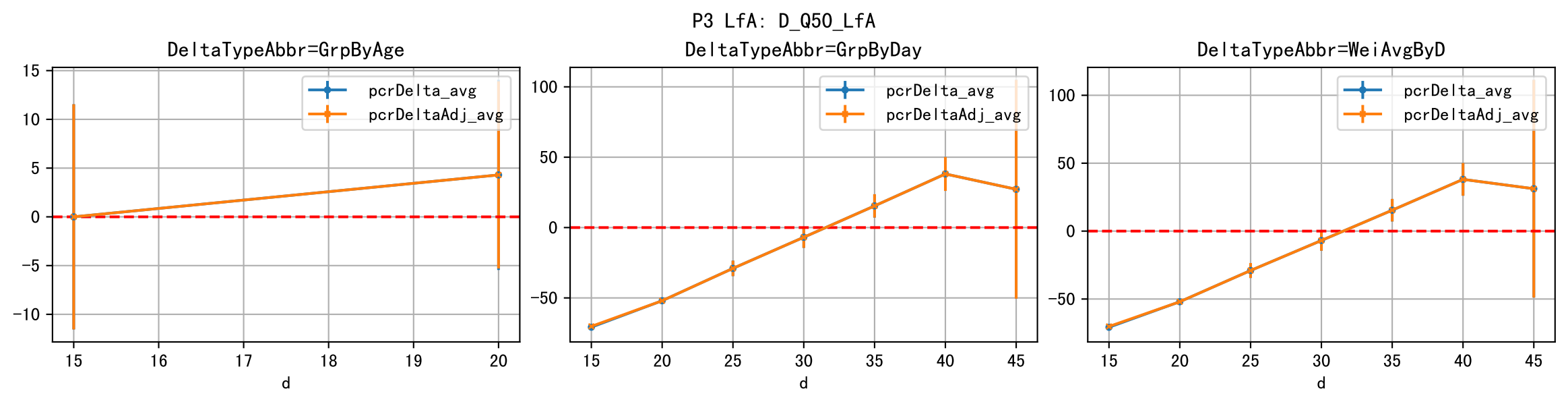

NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3
10
8
6
4
2
0
0
10
20
30
Object Number

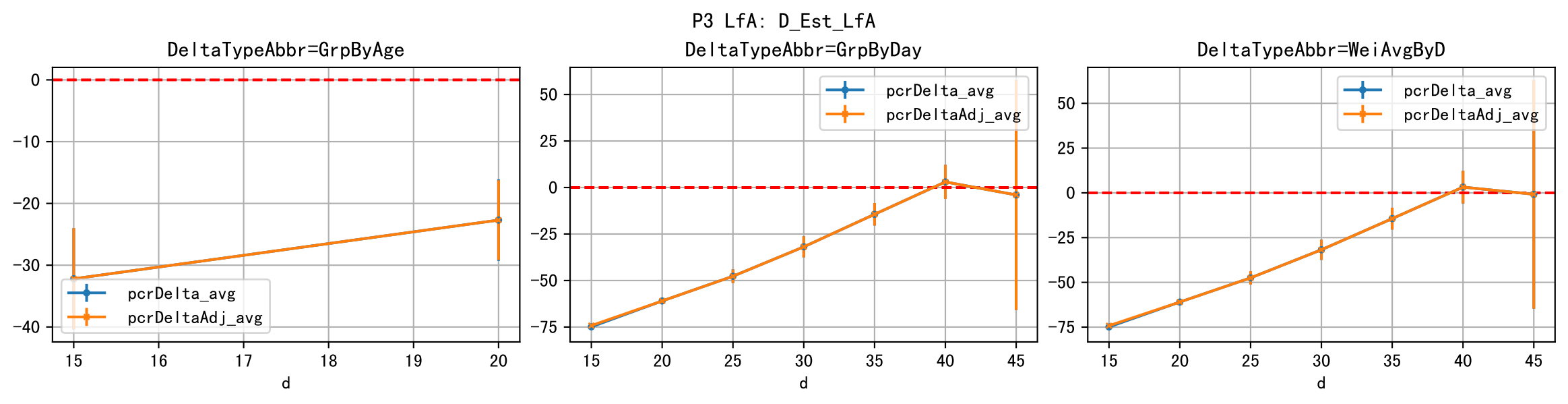

LfA: avg vs. d at each age group
age=15
avg
0.045
0.040
0.035
0.030
0.025
0.020
25.0
27.5
30.0
32.5
35.0
37.5
40.0
42.5
45.0
d
age=20
avg
0.06
0.04
0.02
15
20
25
30
35
40
45
d

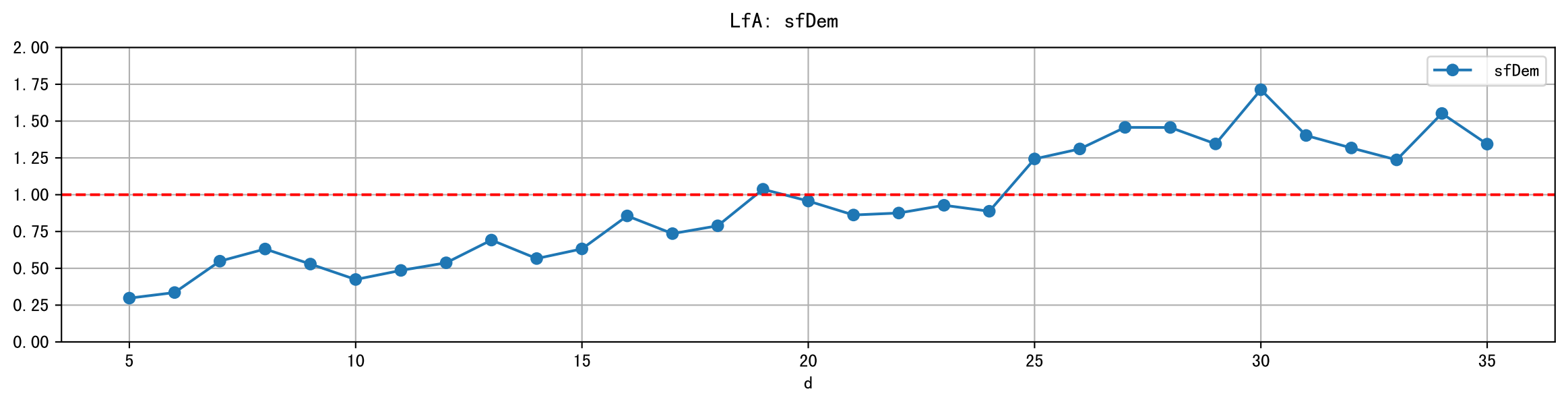

LfA: model est vs obsOv@Q50
q50
est
0.045
0.040
0.035
0.030
15
16
17
18
19
20
age

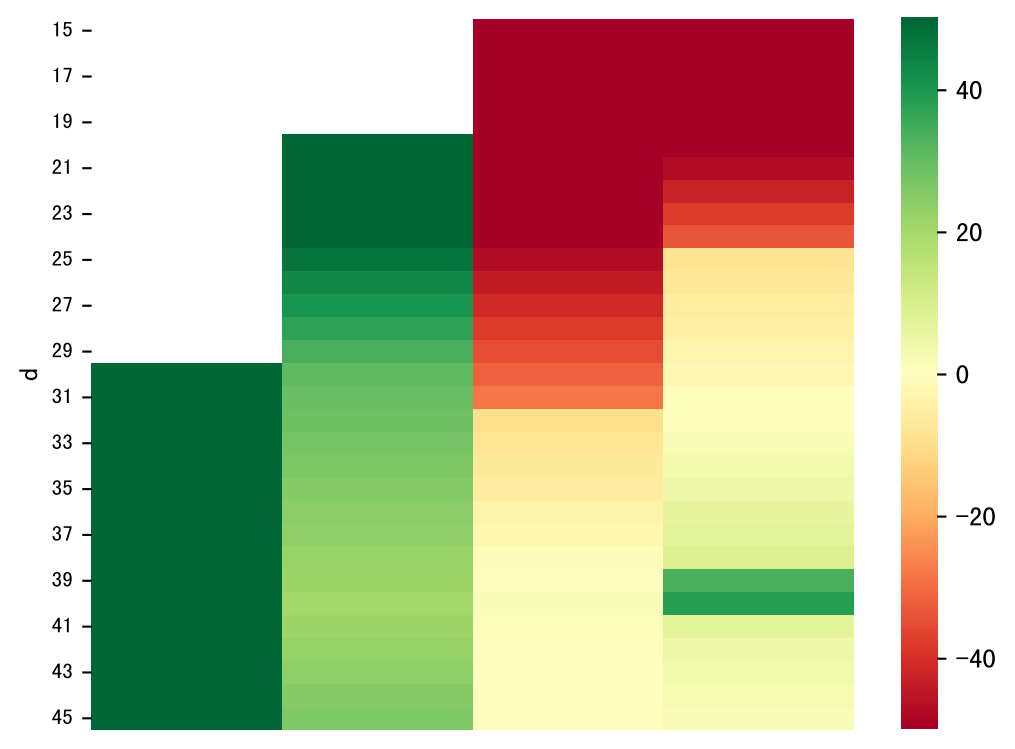

P3 LfA: D_5d_LfA
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

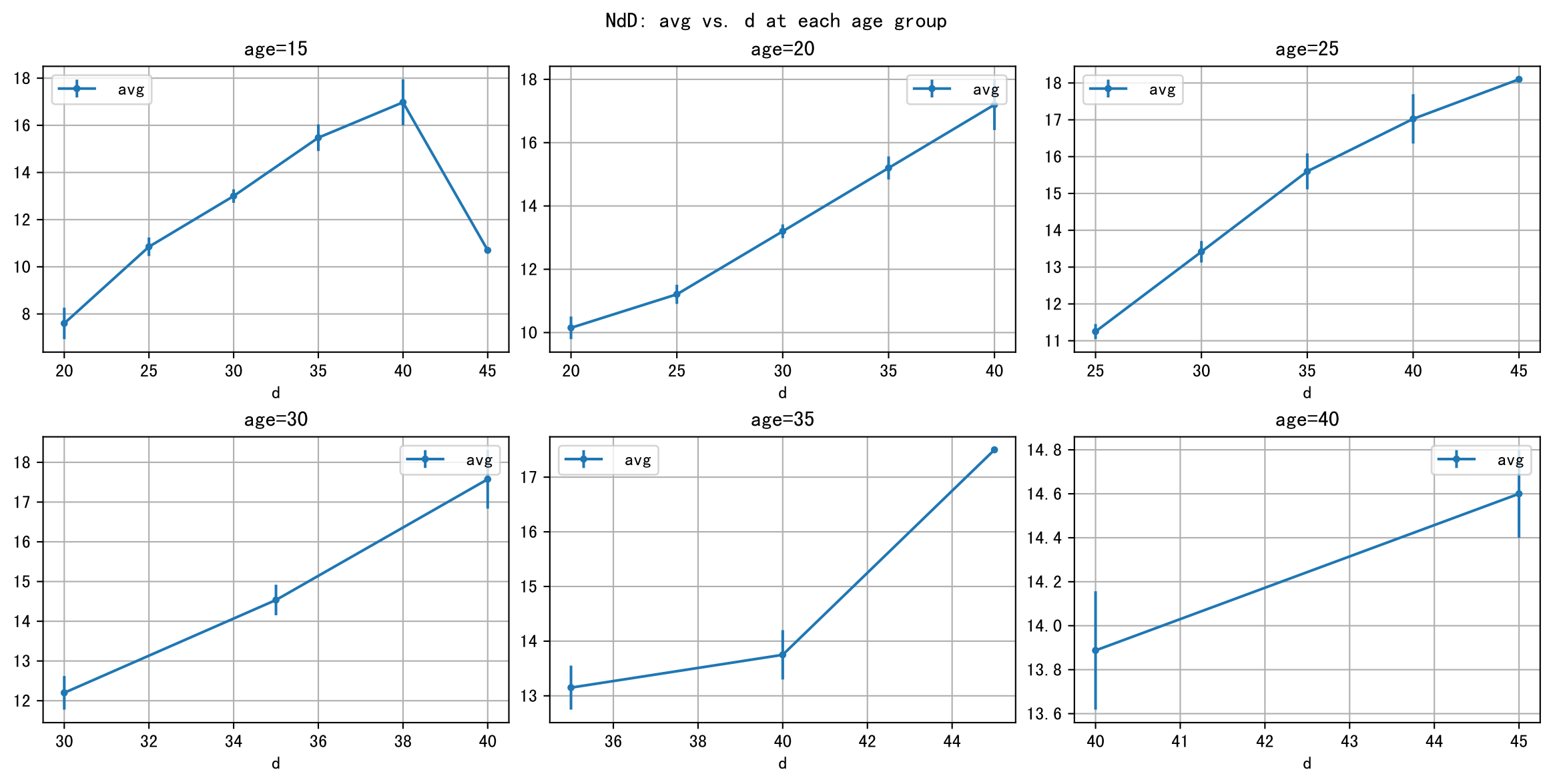

P3 LfA: D_15d_LfA
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

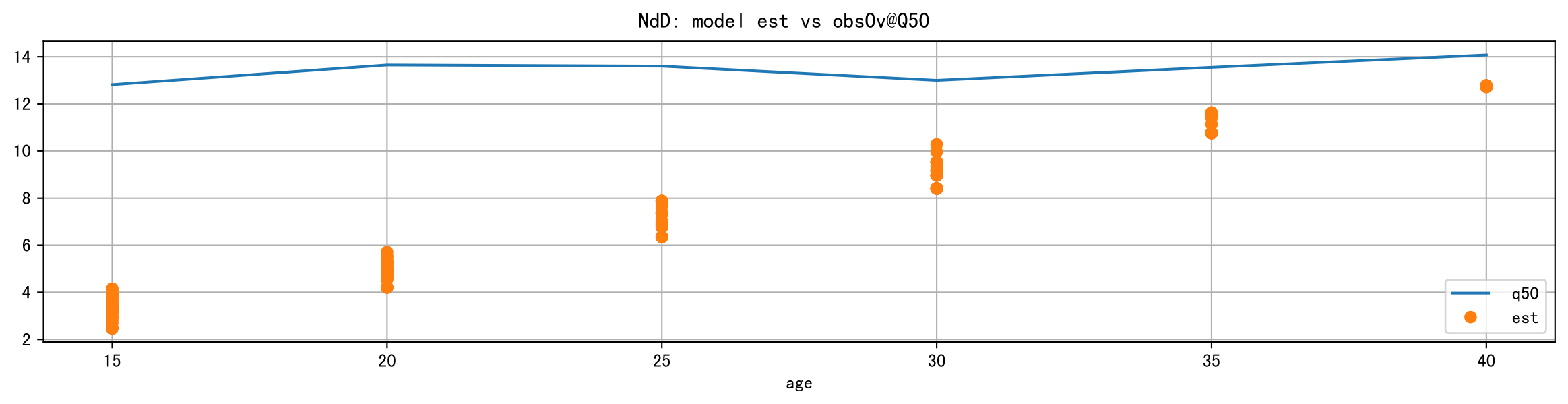

P3 LfA: D_Q50_LfA
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

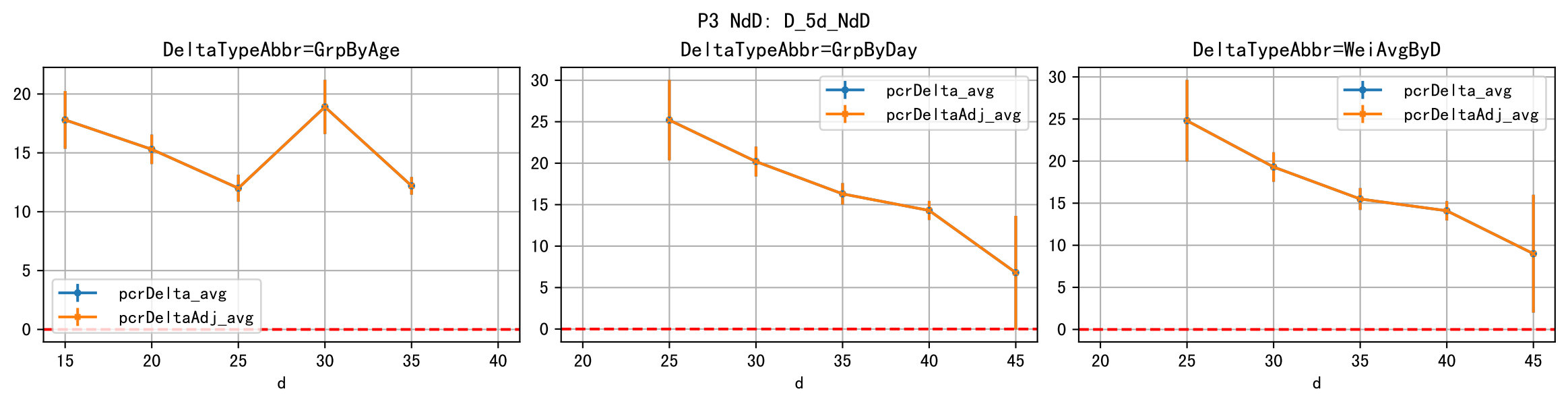

P3 LfA: D_Est_LfA
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

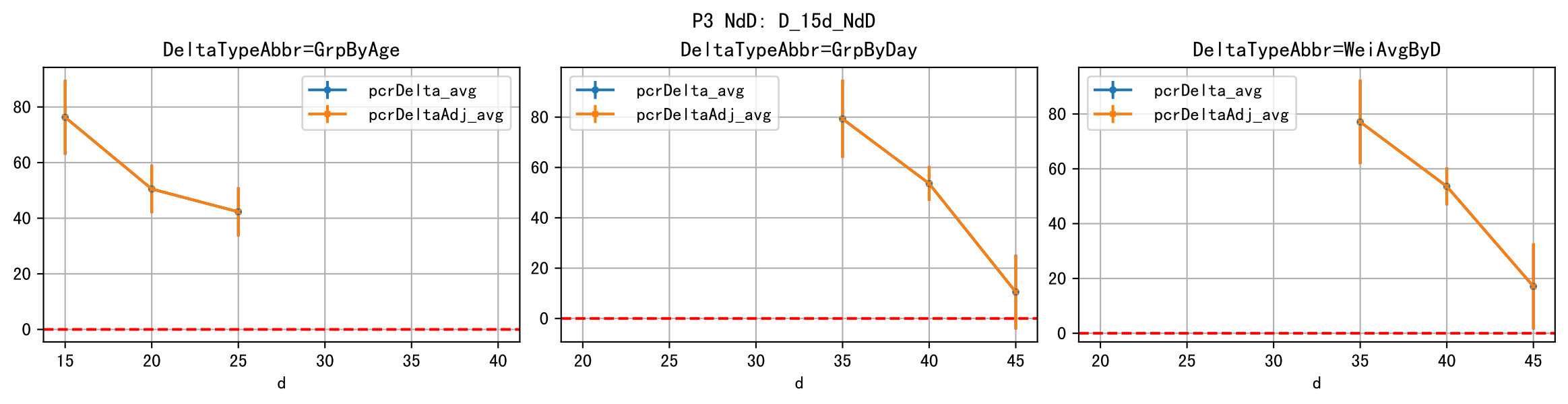

LfA: sfDem
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
5
10
15
20
25
30
35
d
sfDem

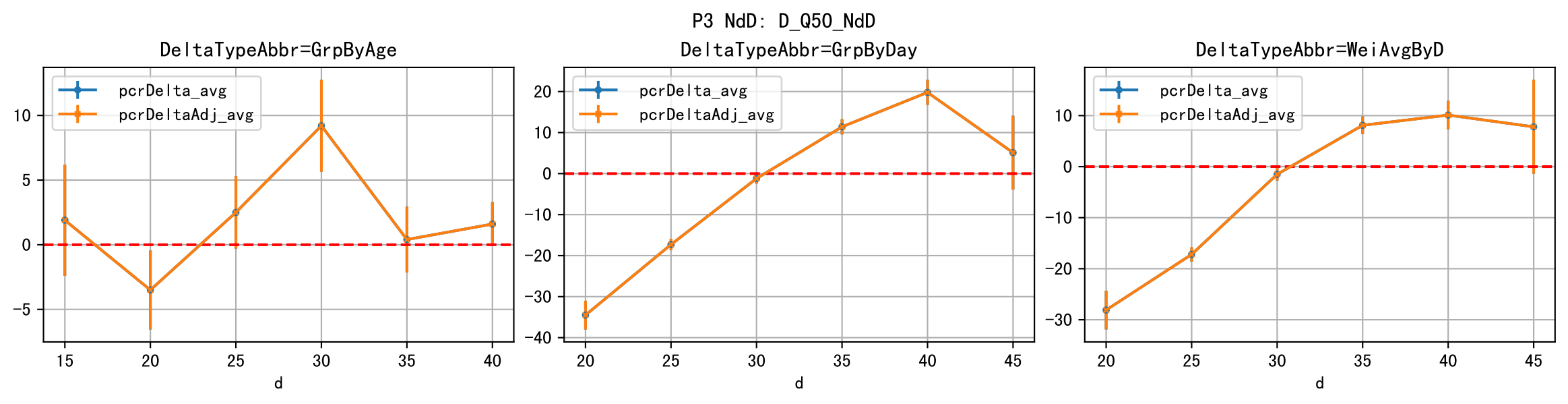

d
15
17
19
21
23
25
27
29
31
33
35
37
39
41
43
45
40
20
0
−20
−40

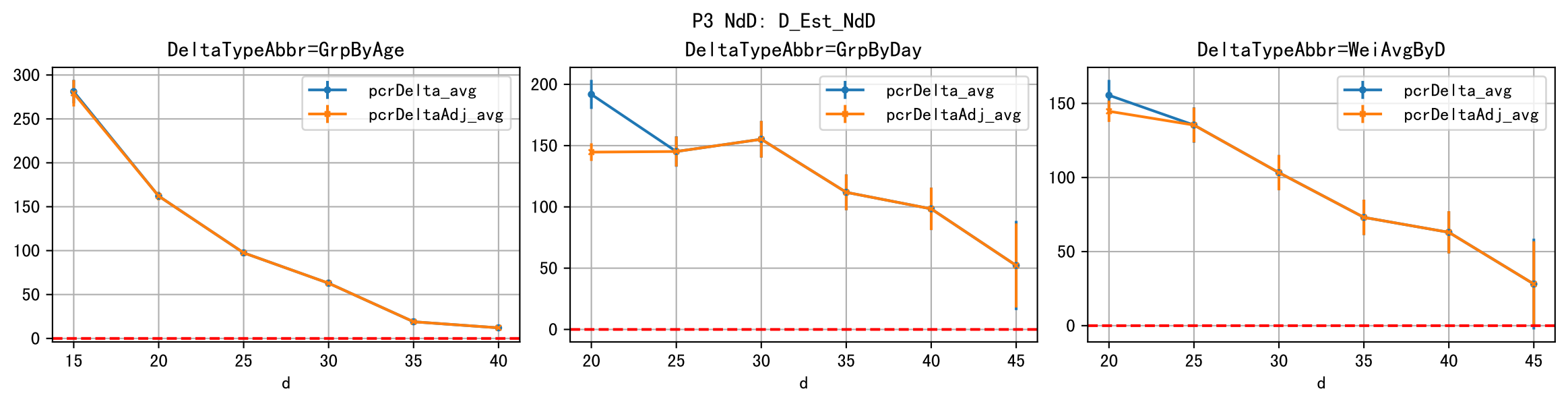

NdD: avg vs. d at each age group
age=15
age=20
age=25
age=30
age=35
age=40
avg
d

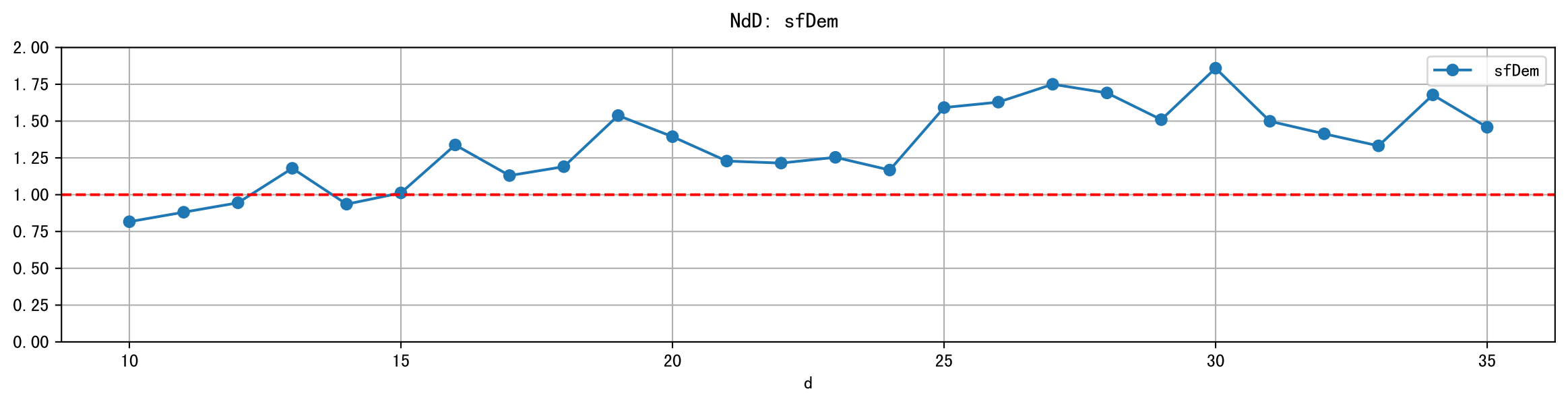

NdD: model est vs obs0v@Q50
14
12
10
8
6
4
2
15
20
25
30
35
40
age
q50
est

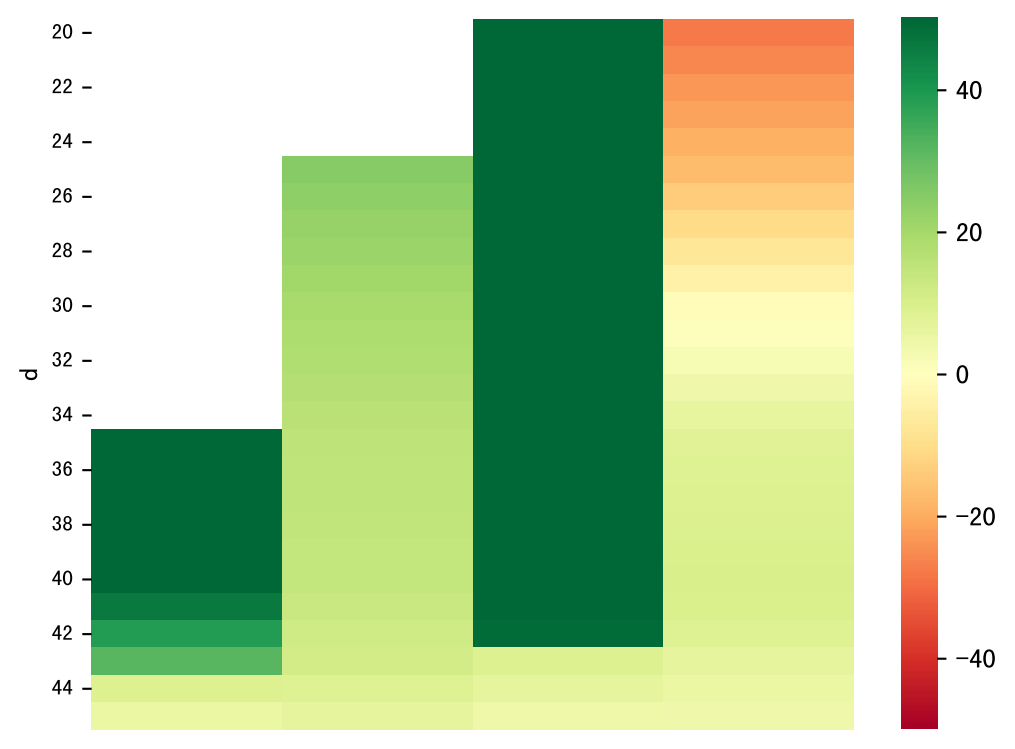

P3 NdD: D_5d_NdD
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

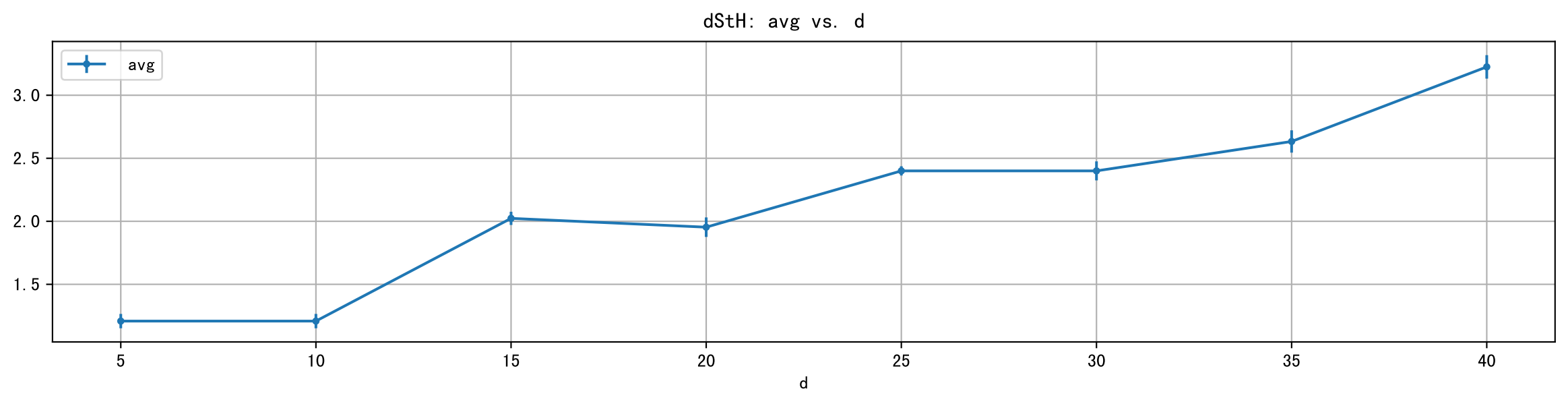

P3 NdD: D_15d_NdD
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

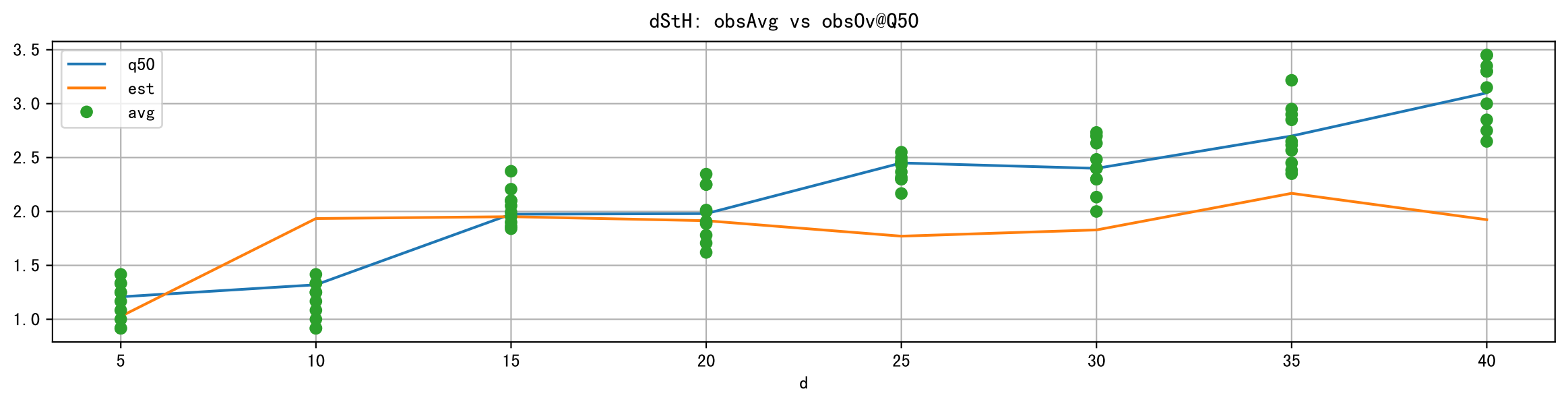

P3 NdD: D_Q50_NdD
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

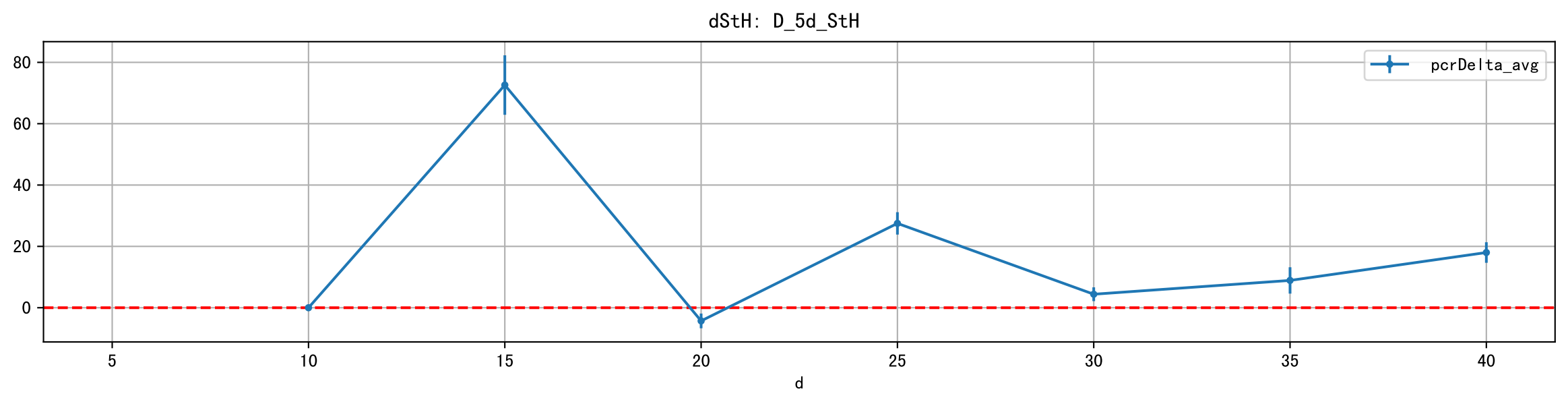

P3 NdD: D_Est_NdD
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

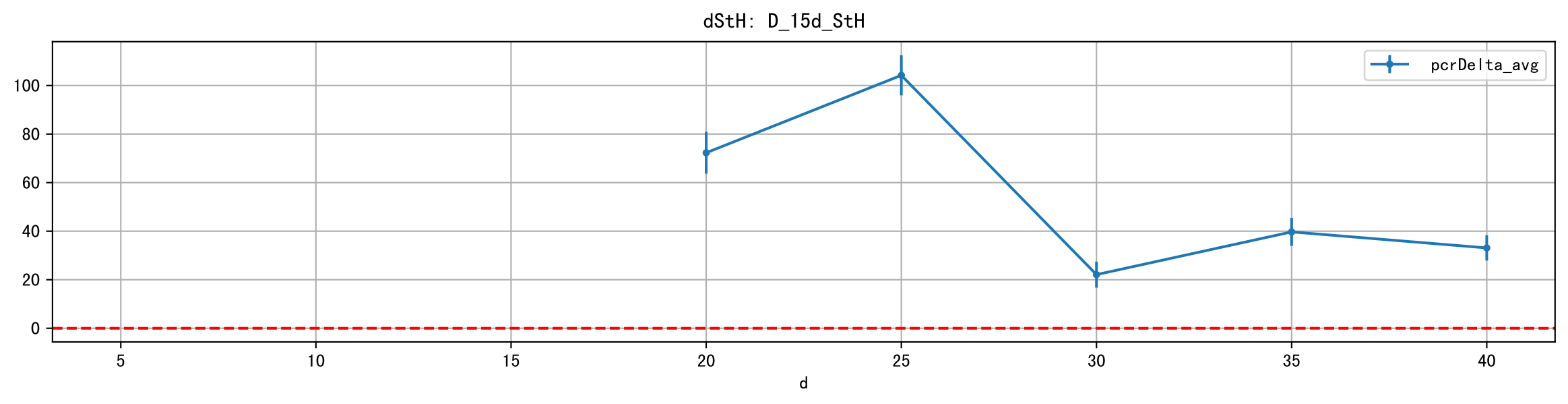

NdD: sfDem
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
10
15
20
25
30
35
d
sfDem

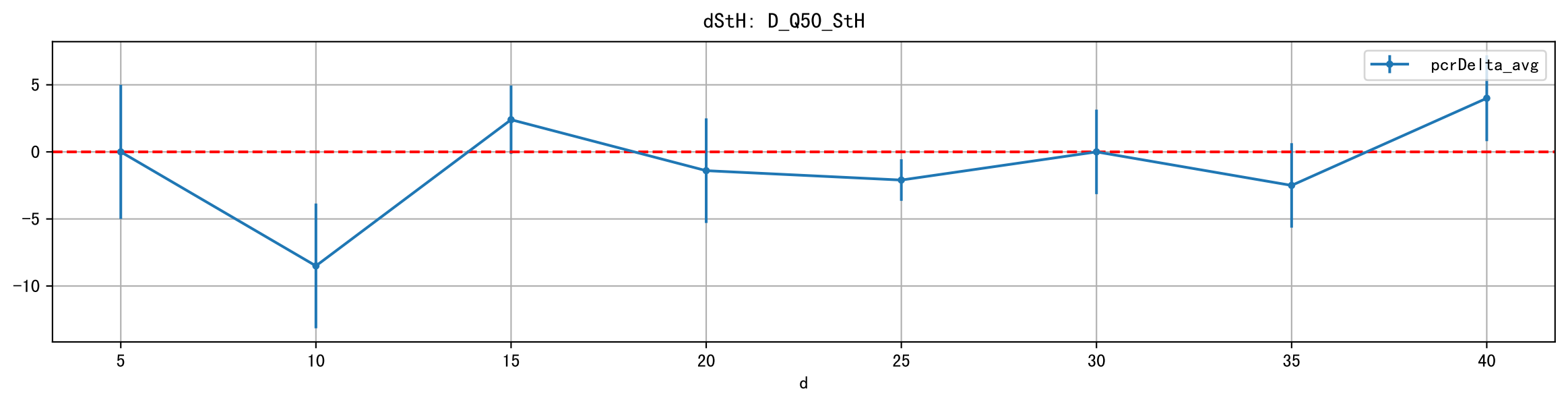

d
20
22
24
26
28
30
32
34
36
38
40
42
44
40
20
0
−20
−40

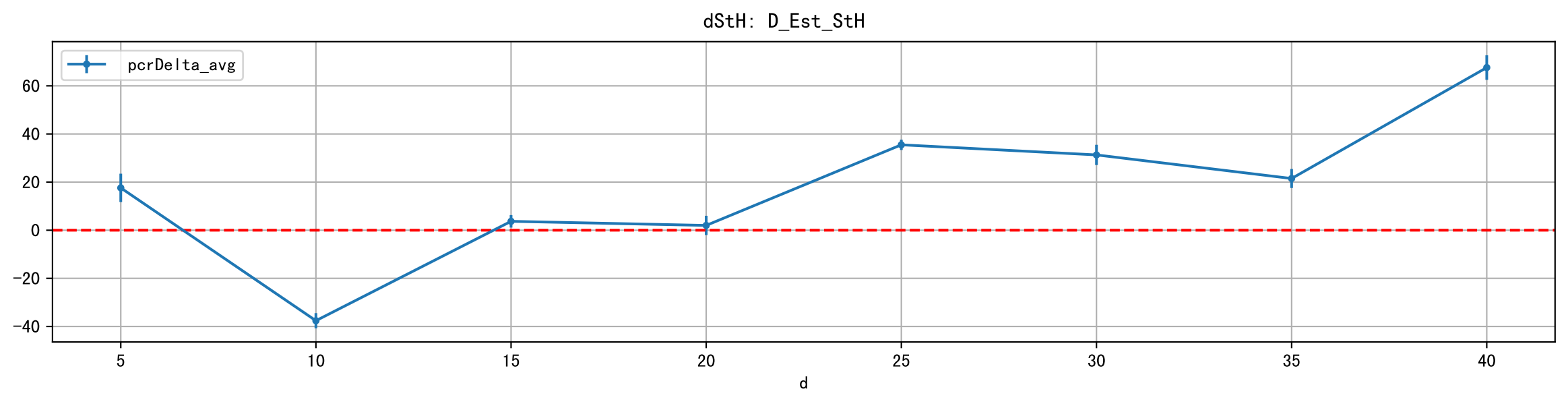

dStH: avg vs. d
avg
3.0
2.5
2.0
1.5
5
10
15
20
25
30
35
40
d

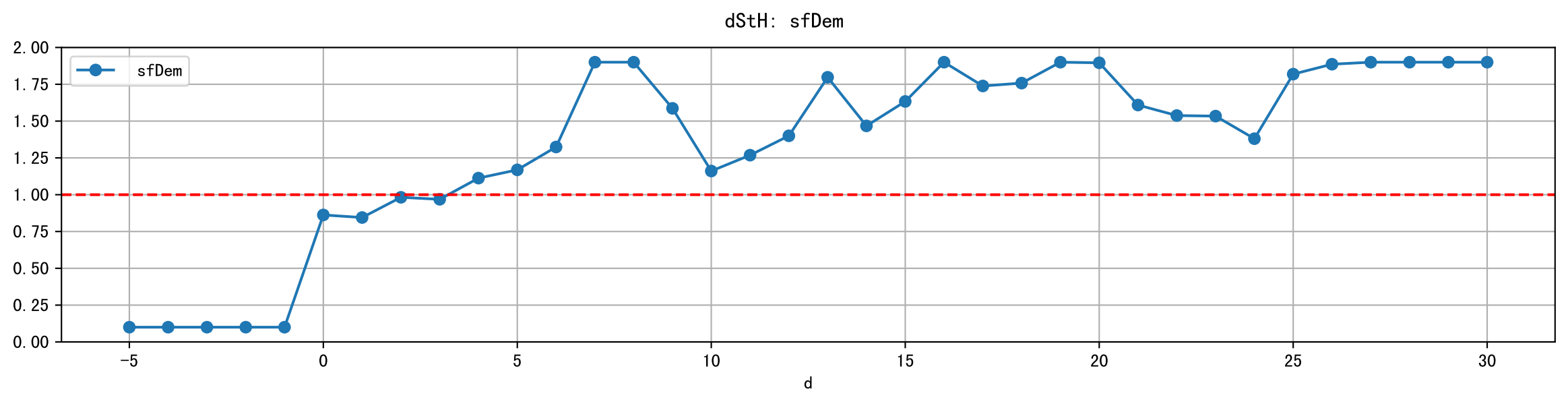

dStH: obsAvg vs obsOv@Q50
q50
est
avg
3.5
3.0
2.5
2.0
1.5
1.0
5
10
15
20
25
30
35
40
d

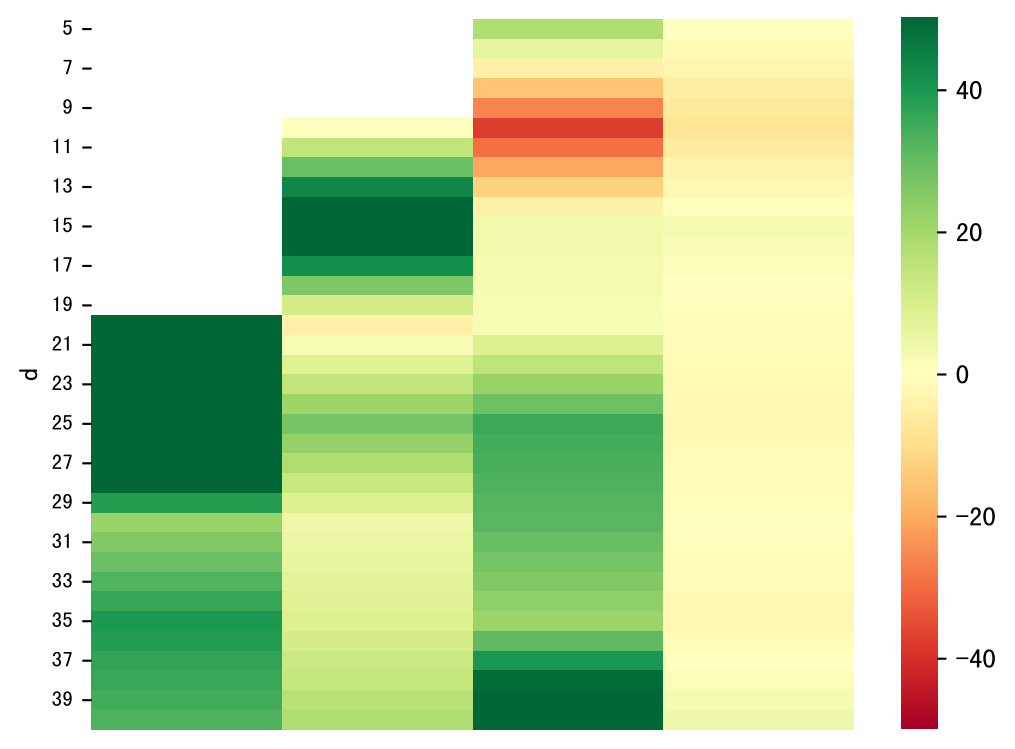

dStH: D_5d_StH
pcrDelta_avg
80
60
40
20
0
5
10
15
20
25
30
35
40
d

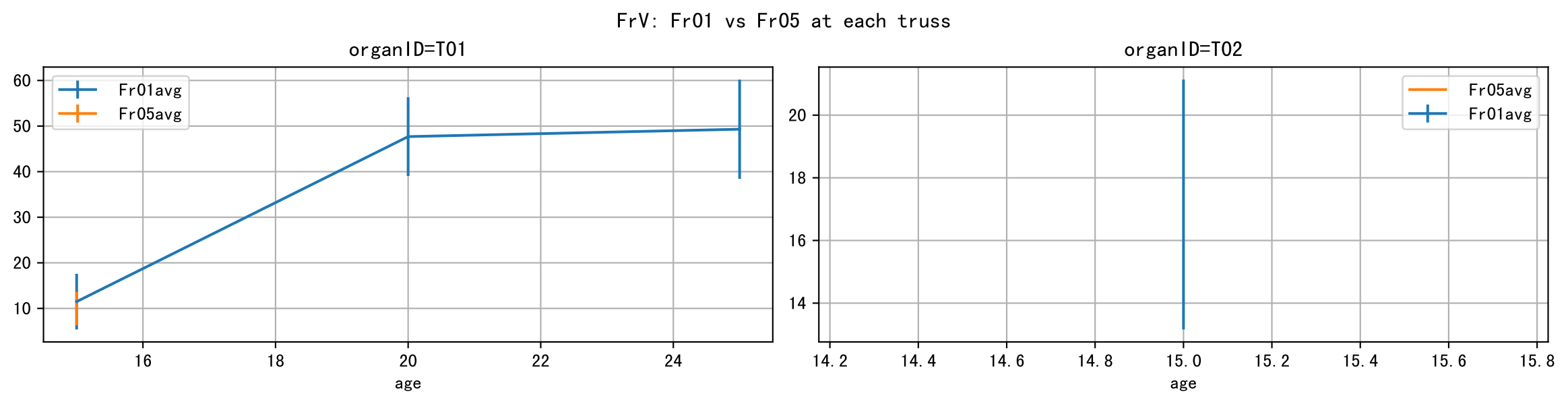

dStH: D_15d_StH
pcrDelta_avg
100
80
60
40
20
0
5
10
15
20
25
30
35
40
d

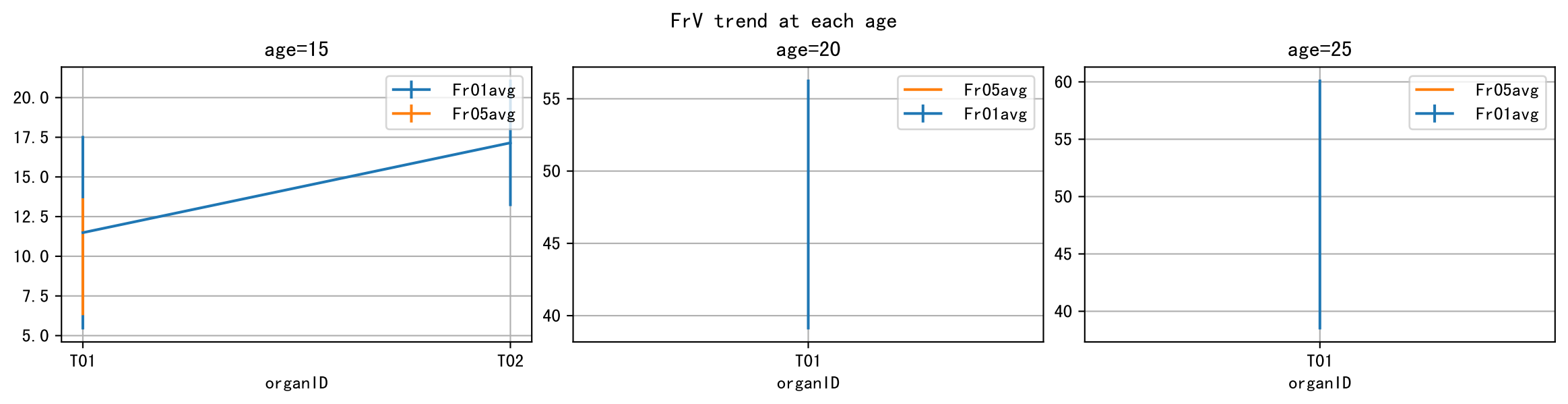

dStH: D_Q5O_StH
pcrDelta_avg
5
0
−5
−10
5
10
15
20
25
30
35
40
d

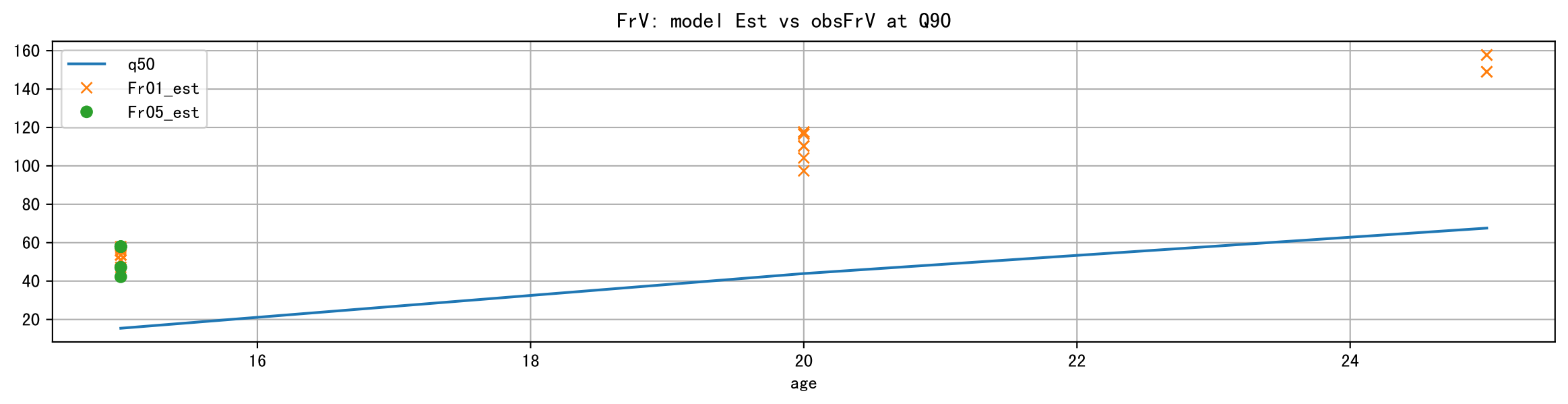

dStH: D_Est_StH
pcrDelta_avg
60
40
20
0
−20
−40
5
10
15
20
25
30
35
40
d

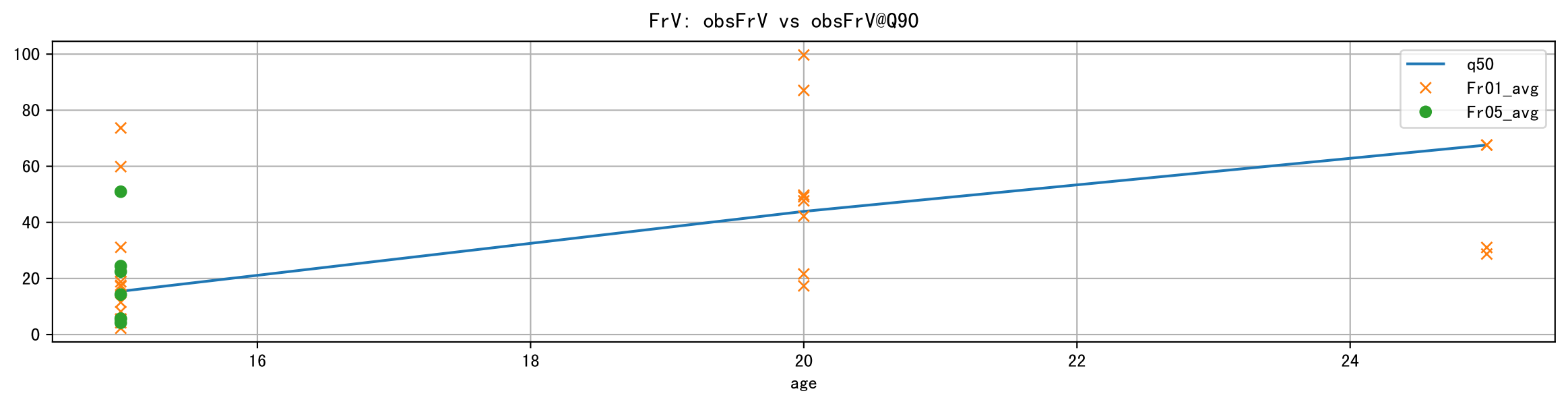

dStH: sfDem
sfDem
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
−5
0
5
10
15
20
25
30
d

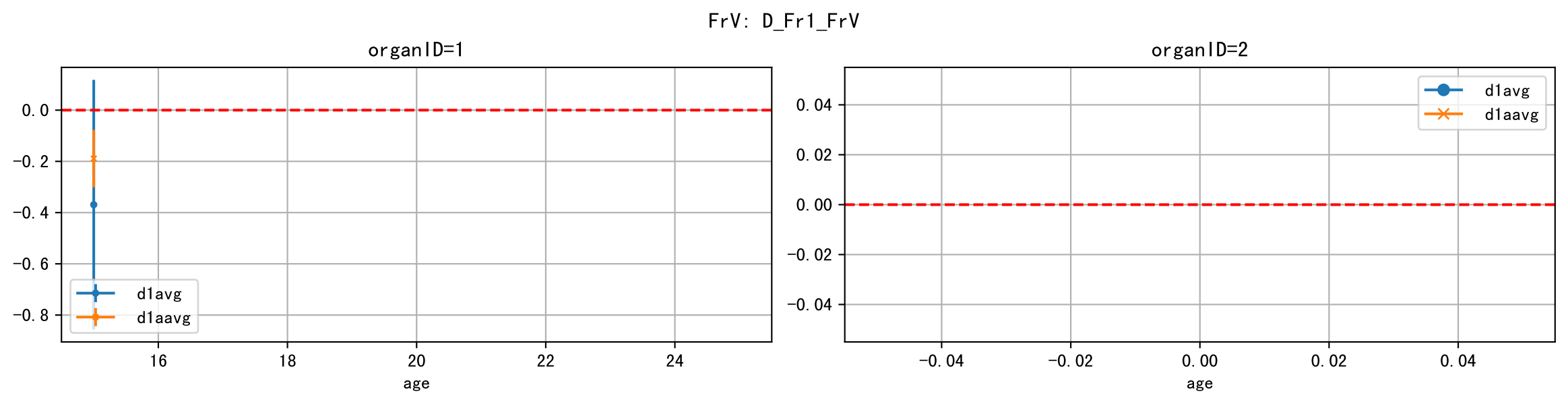

d
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
40
20
0
−20
−40

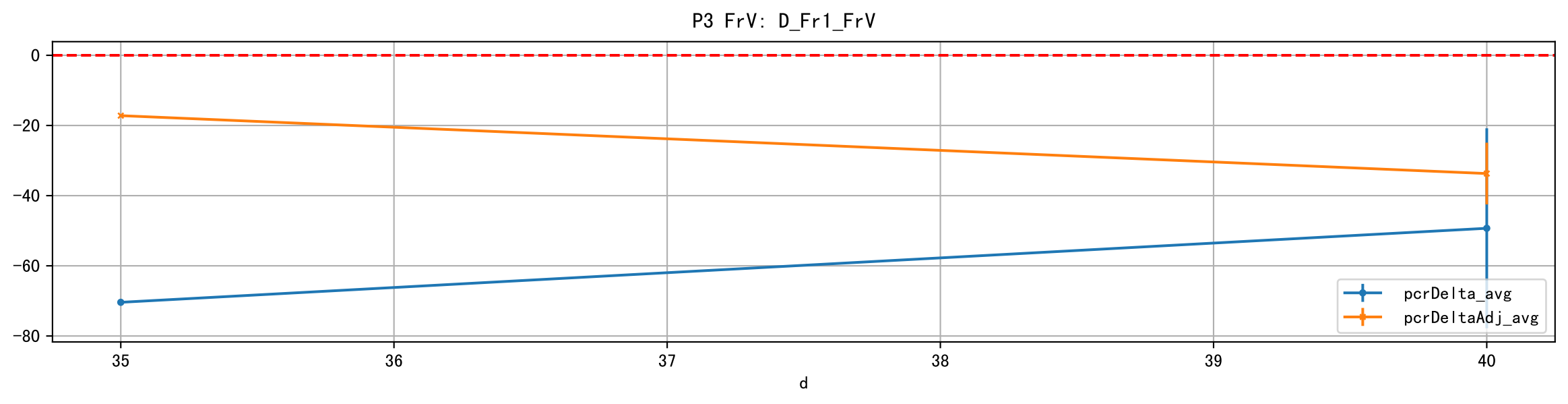

FrV: Fr01 vs Fr05 at each truss
organID=T01
organID=T02
Fr01avg
Fr05avg
Fr05avg
Fr01avg
60
50
40
30
20
10
20
18
16
14
16
18
20
22
24
14.2
14.4
14.6
14.8
15.0
15.2
15.4
15.6
15.8
age
age

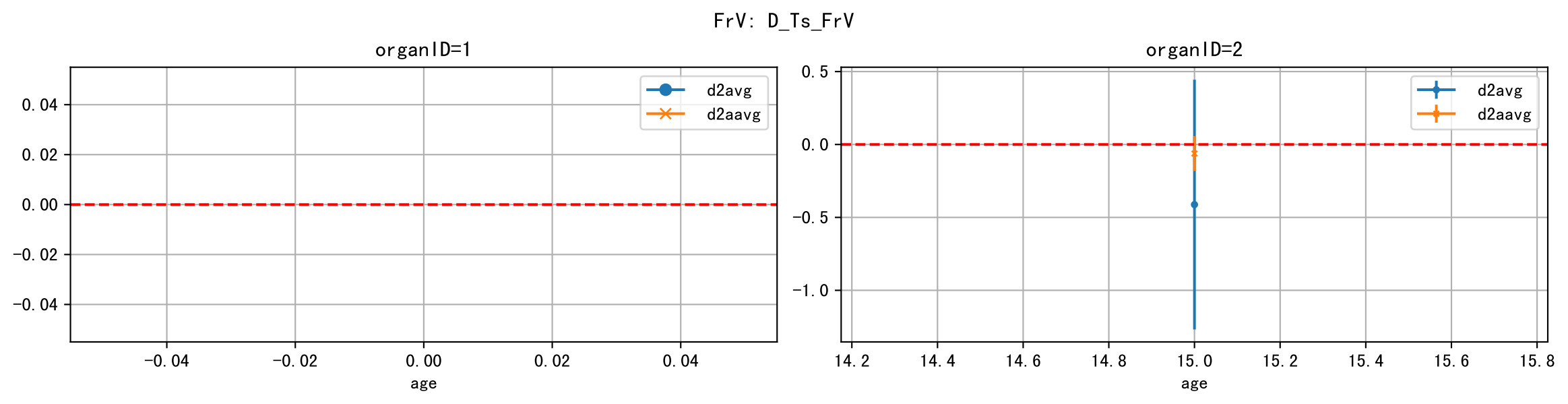

FrV trend at each age
age=15
age=20
age=25
Fr01avg
Fr05avg
20.0
17.5
15.0
12.5
10.0
7.5
5.0
55
50
45
40
60
T01
T02
organID

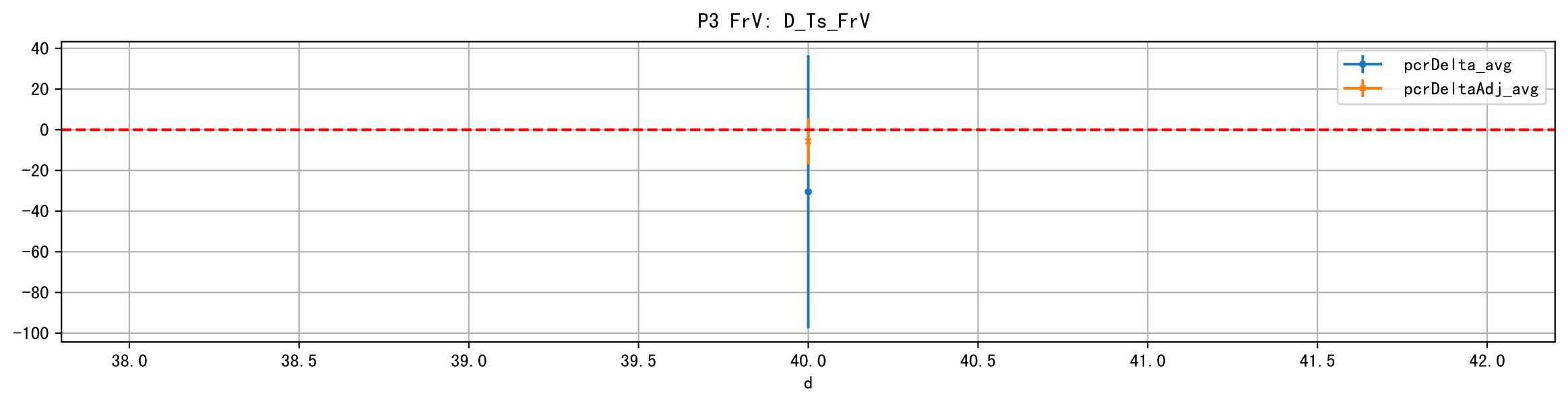

FrV: model Est vs obsFrV at Q90
q50
Fr01_est
Fr05_est
160
140
120
100
80
60
40
20
16
18
20
22
24
age

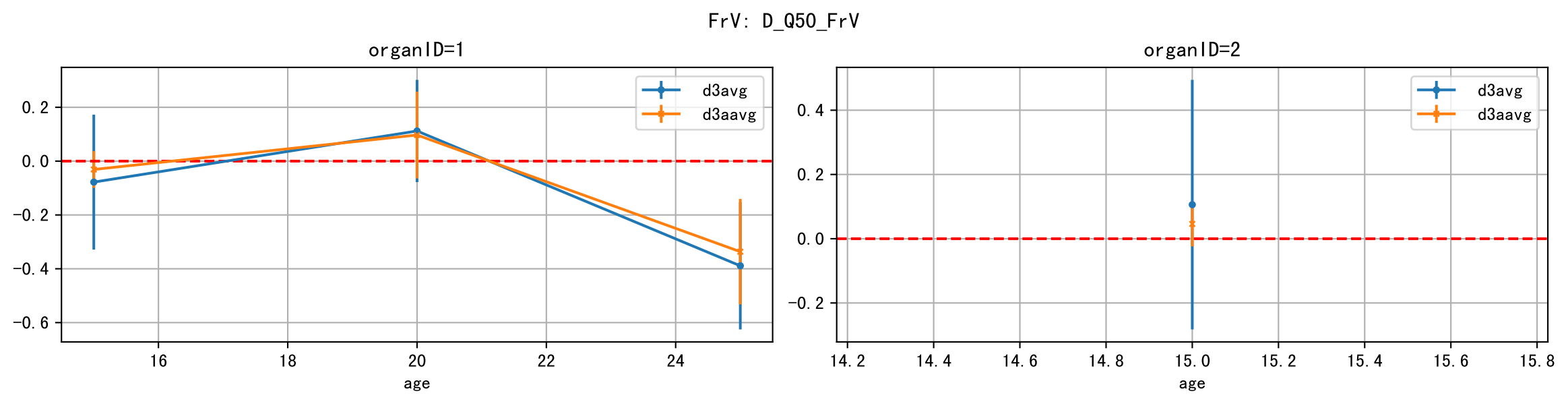

FrV: obsFrV vs obsFrV@Q90
q50
Fr01_avg
Fr05_avg
100
80
60
40
20
0
16
18
20
22
24
age

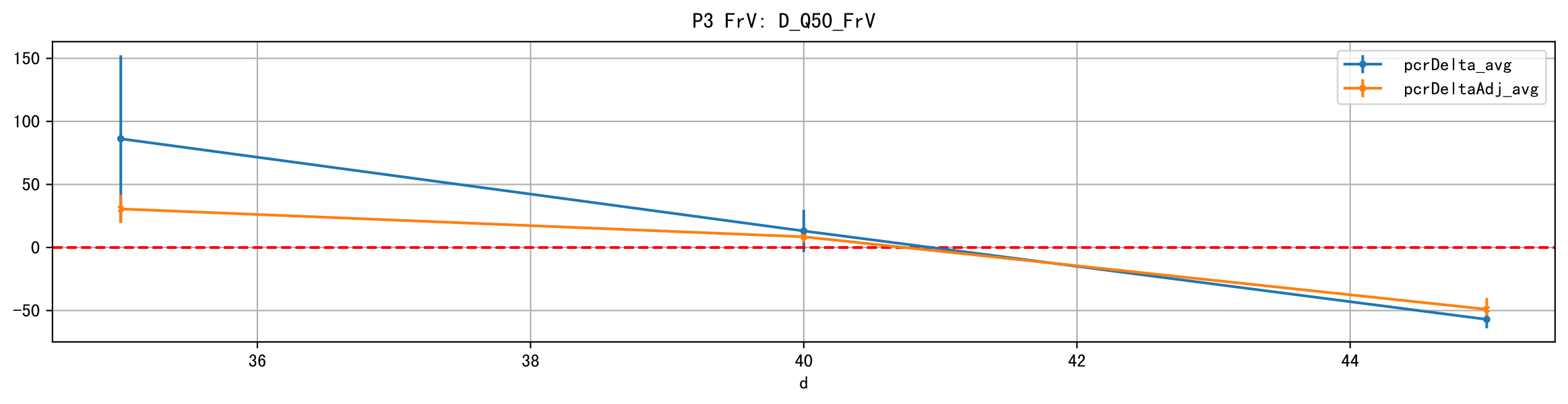

FrV: D_Fr1_FrV
organID=1
organID=2
d1avg
d1aavg
0.0
−0.2
−0.4
−0.6
−0.8
16
18
20
22
24
age
0.04
0.02
0.00
−0.02
−0.04
−0.04
−0.02
0.00
0.02
0.04
age

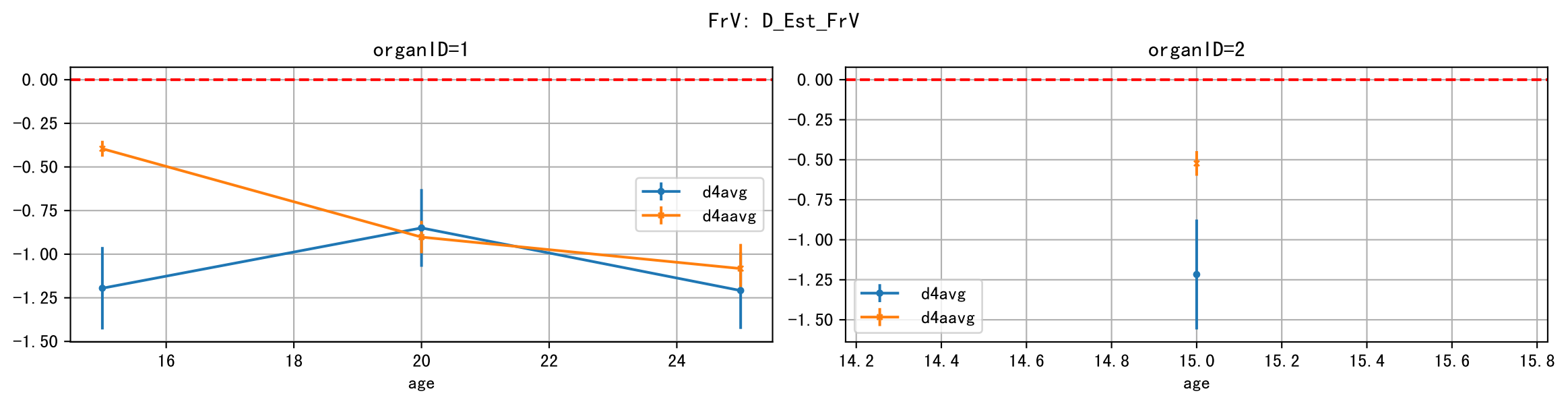

P3 FrV: D_Fr1_FrV
0
−20
−40
−60
−80
35
36
37
38
39
40
d
pcrDelta_avg
pcrDeltaAdj_avg

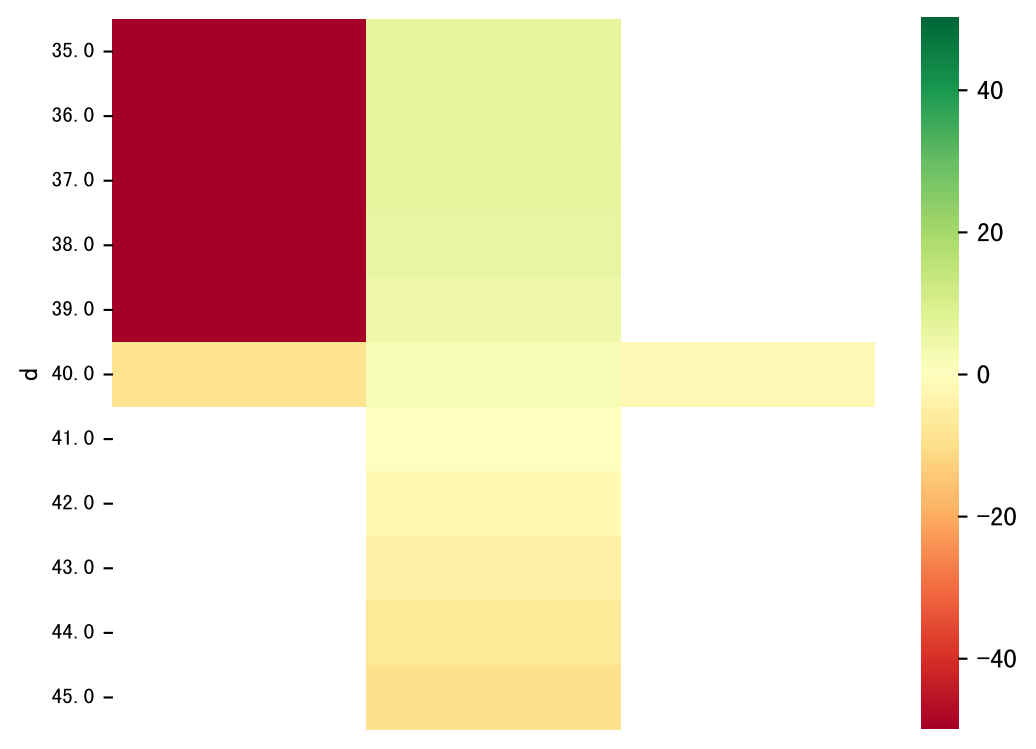

FrV: D_Ts_FrV
organID=1
organID=2
d2avg
d2aavg
0.04
0.02
0.00
−0.02
−0.04
0.5
0.0
−0.5
−1.0
14.2
14.4
14.6
14.8
15.0
15.2
15.4
15.6
15.8
age
age

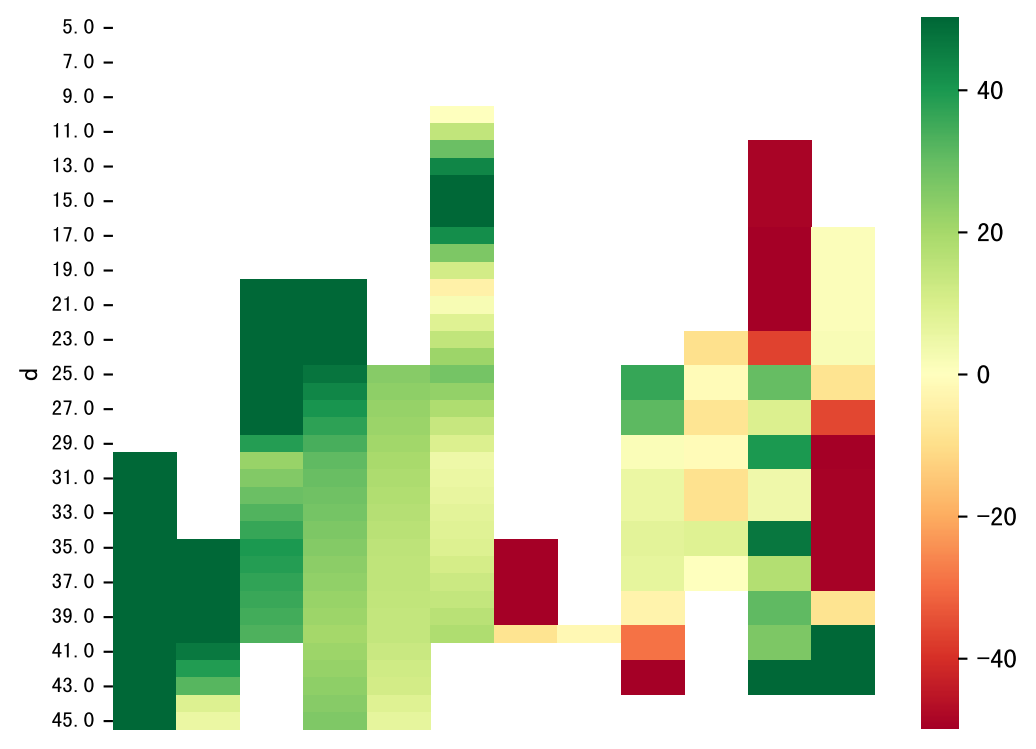

P3 FrV: D_Ts_FrV
pcrDelta_avg
pcrDeltaAdj_avg
40
20
0
−20
−40
−60
−80
−100
38.0
38.5
39.0
39.5
40.0
40.5
41.0
41.5
42.0
d


FrV: D_Q50_FrV
organID=1
organID=2
d3avg
d3aavg
d3avg
d3aavg
0.2
0.0
−0.2
−0.4
−0.6
0.4
0.2
0.0
−0.2
16
18
20
22
24
14.2
14.4
14.6
14.8
15.0
15.2
15.4
15.6
15.8
age
age


P3 FrV: D_Q50_FrV
pcrDelta_avg
pcrDeltaAdj_avg
150
100
50
0
−50
36
38
40
42
44
d


FrV: D_Est_FrV
organID=1
organID=2
0.00
−0.25
−0.50
−0.75
−1.00
−1.25
−1.50
16
18
20
22
24
14.2
14.4
14.6
14.8
15.0
15.2
15.4
15.6
15.8
age
d4avg
d4aavg


d
35.0
36.0
37.0
38.0
39.0
40.0
41.0
42.0
43.0
44.0
45.0
40
20
0
−20
−40


d
5.0
7.0
9.0
11.0
13.0
15.0
17.0
19.0
21.0
23.0
25.0
27.0
29.0
31.0
33.0
35.0
37.0
39.0
41.0
43.0
45.0
40
20
0
−20
−40