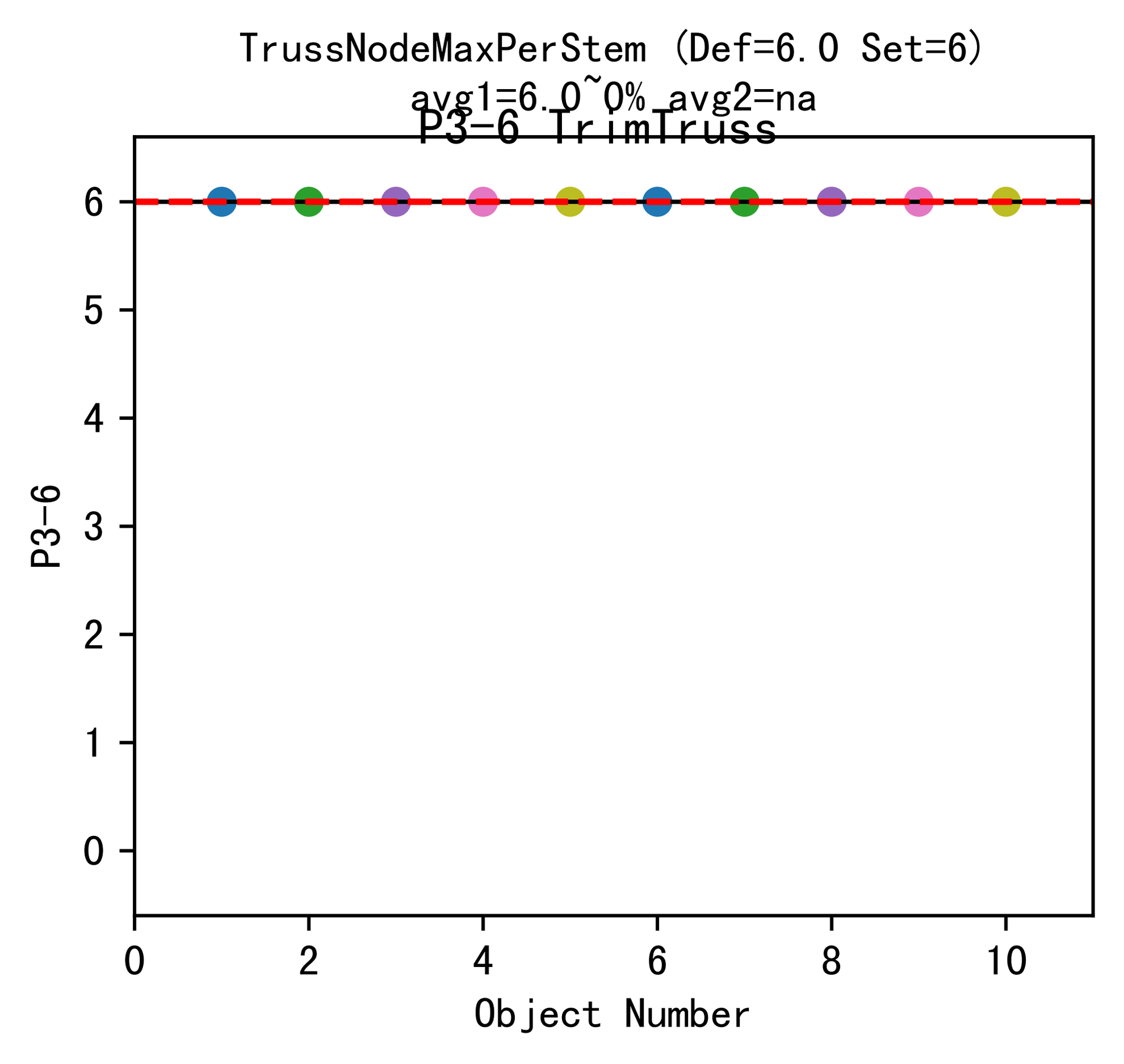
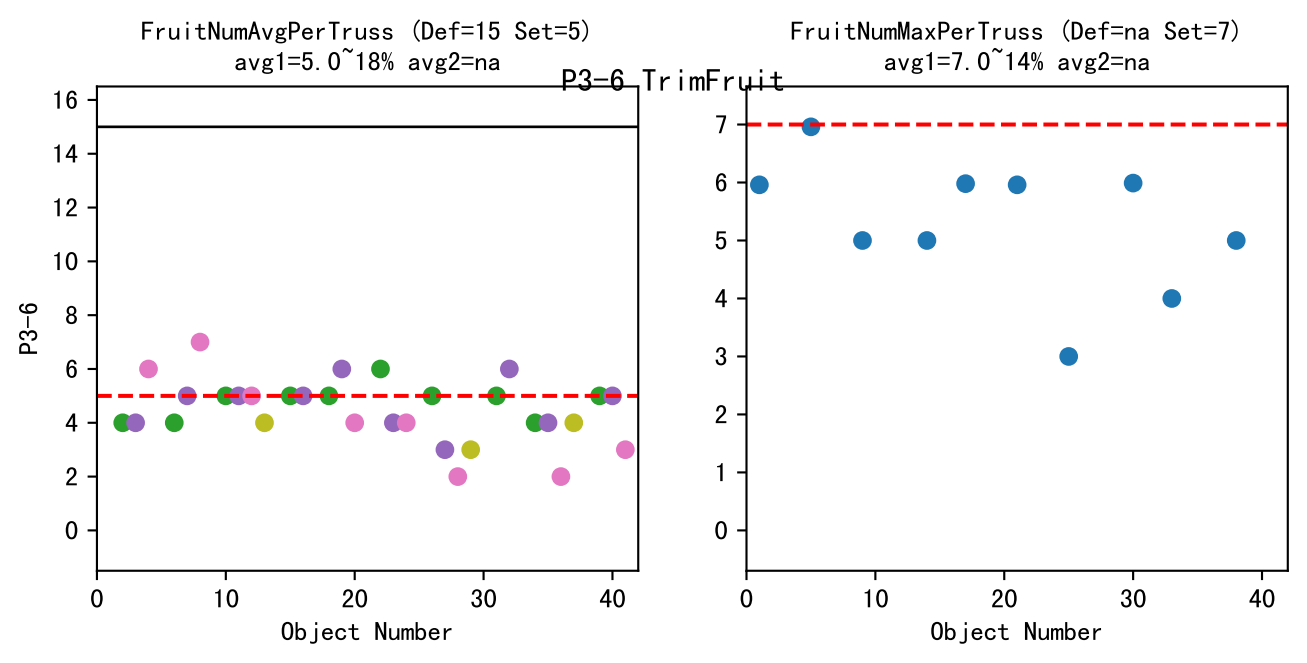
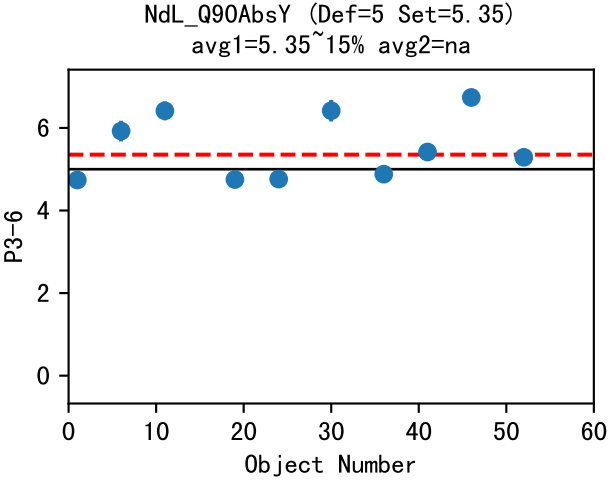
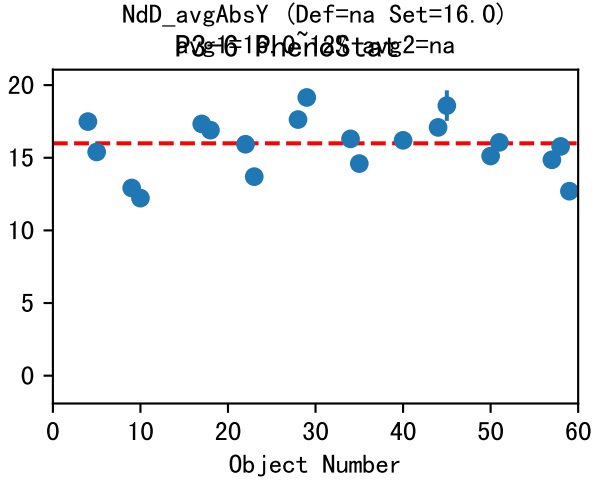
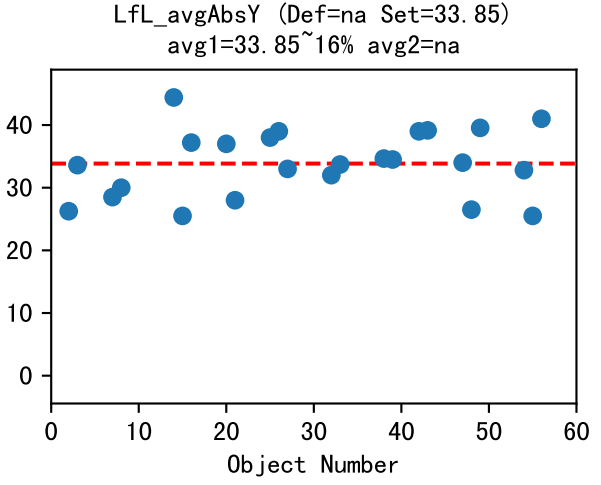
Phenotype Data Analysis Plots
PhenoData day range = 12 - 58
Analysis cutoff day = 58
NC11 P3-6
2025-05-27 (Day 59)

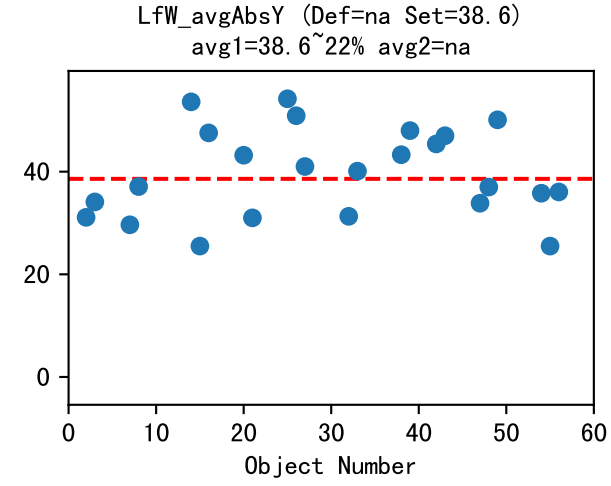

TrussNodeMaxPerStem (Def=6.0 Set=6)
avg1=6.0~0% avg2=na
P3-6 TrimTruss
6
5
4
3
2
1
0
P3-6
0
2
4
6
8
10
Object Number

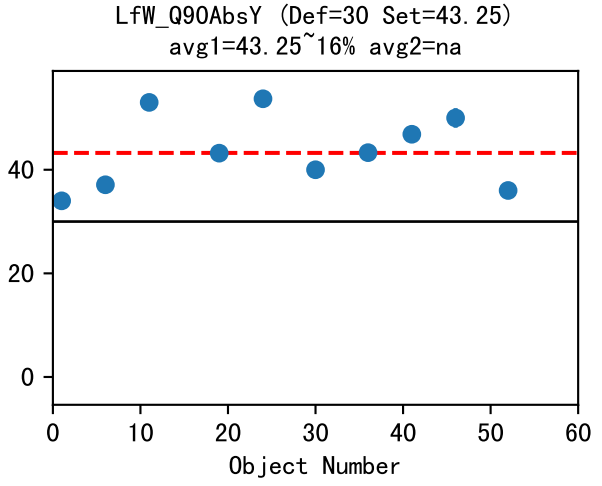

FruitNumAvgPerTruss (Def=15 Set=5)
avg1=5.0~18% avg2=na
P3-6 TrimFruit
FruitNumMaxPerTruss (Def=na Set=7)
avg1=7.0~14% avg2=na
P3-6
Object Number
Object Number

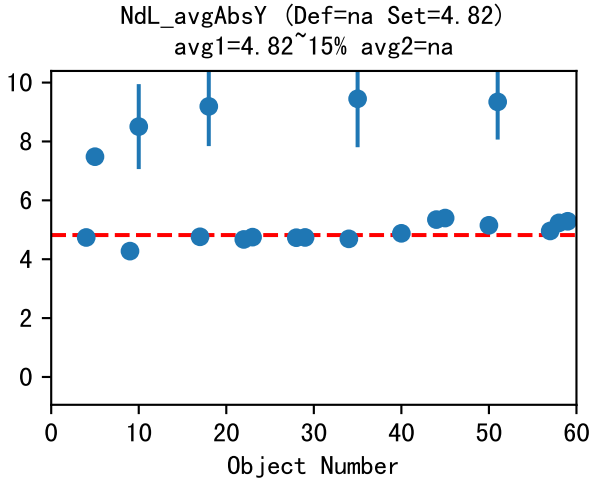

NdL_Q90AbsY (Def=5 Set=5.35)
avg1=5.35~15% avg2=na
P3-6
Object Number

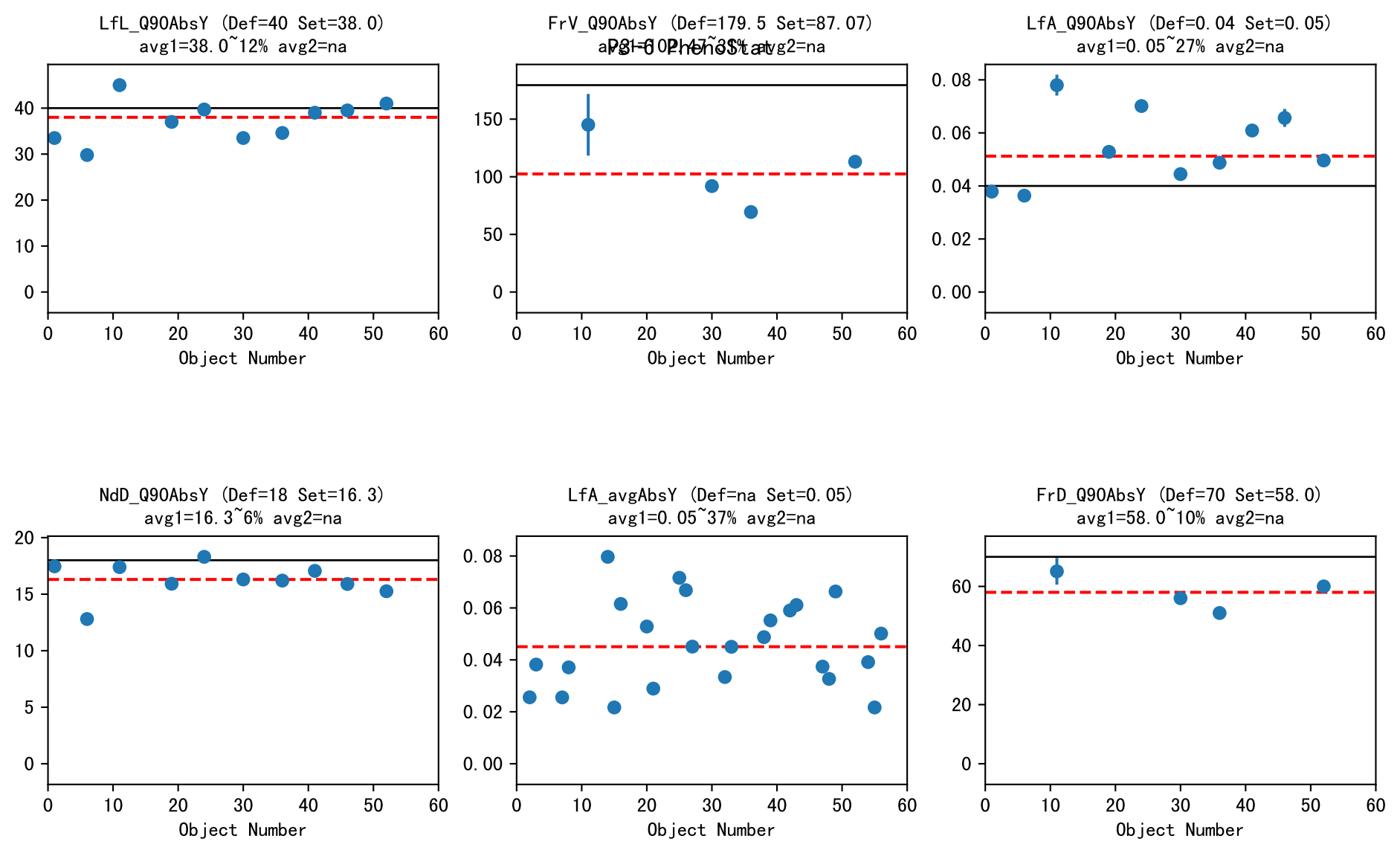

NdD_avgAbsY (Def=na Set=16.0)
avg1=16.1~12% avg2=na
Object Number

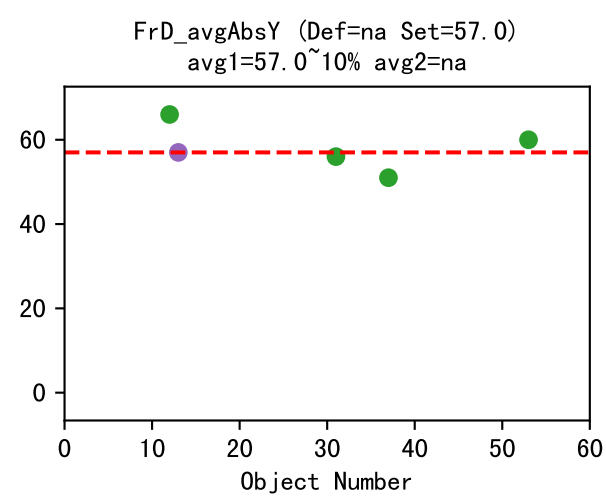

LfL_avgAbsY (Def=na Set=33.85)
avg1=33.85~16% avg2=na
Object Number

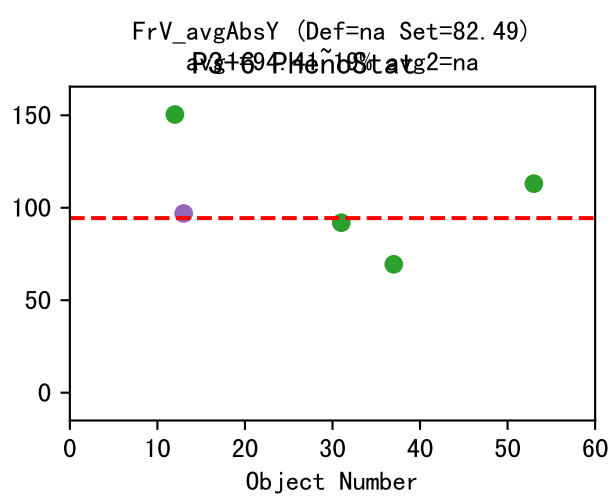

LfW_avgAbsY (Def=na Set=38.6)
avg1=38.6~22% avg2=na
Object Number

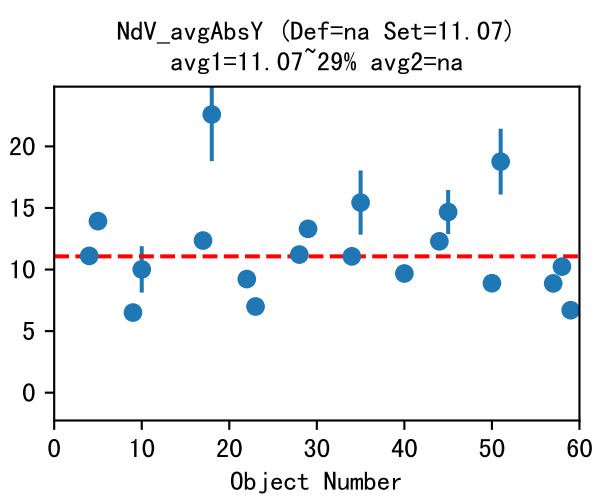

LfW_Q90AbsY (Def=30 Set=43.25)
avg1=43.25~16% avg2=na
Object Number

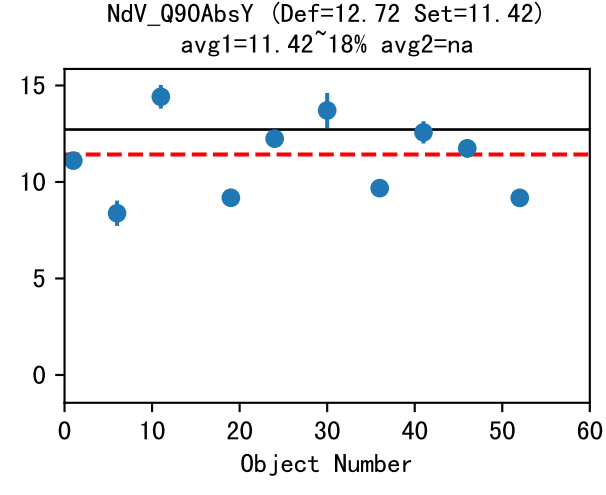

NdL_avgAbsY (Def=na Set=4.82)
avg1=4.82~15% avg2=na
Object Number

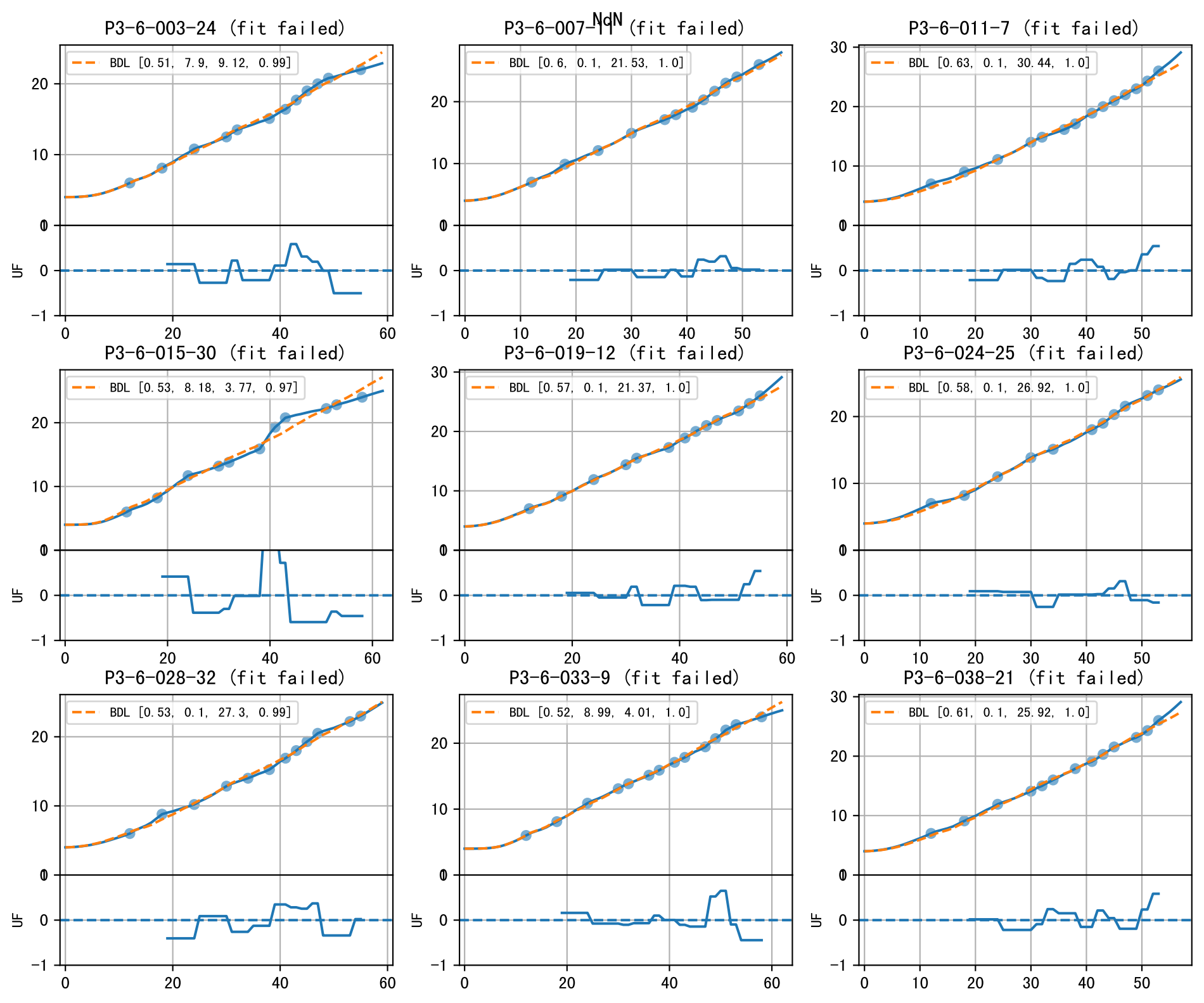

LfL_Q90AbsY (Def=40 Set=38.0)
avg1=38.0~12% avg2=na
FrV_Q90AbsY (Def=179.5 Set=87.07)
avg1=102.47~38% avg2=na
LfA_Q90AbsY (Def=0.04 Set=0.05)
avg1=0.05~27% avg2=na
NdD_Q90AbsY (Def=18 Set=16.3)
avg1=16.3~6% avg2=na
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~37% avg2=na
FrD_Q90AbsY (Def=70 Set=58.0)
avg1=58.0~10% avg2=na
Object Number


FrD_avgAbsY (Def=na Set=57.0)
avg1=57.0~10% avg2=na
Object Number

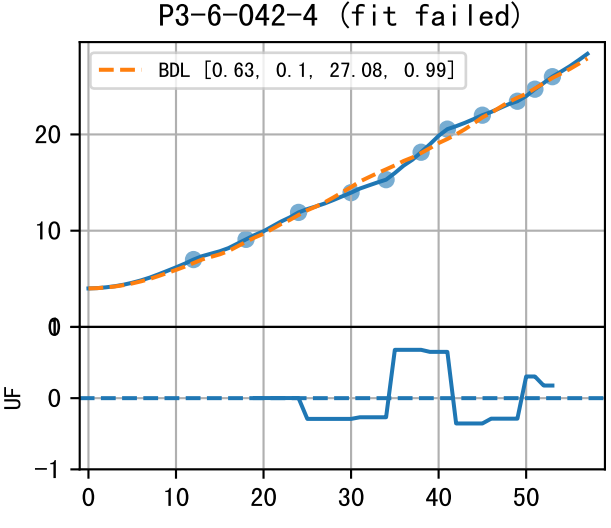

FrV_avgAbsY (Def=na Set=82.49)
avg1=94.41~18% avg2=na
Object Number

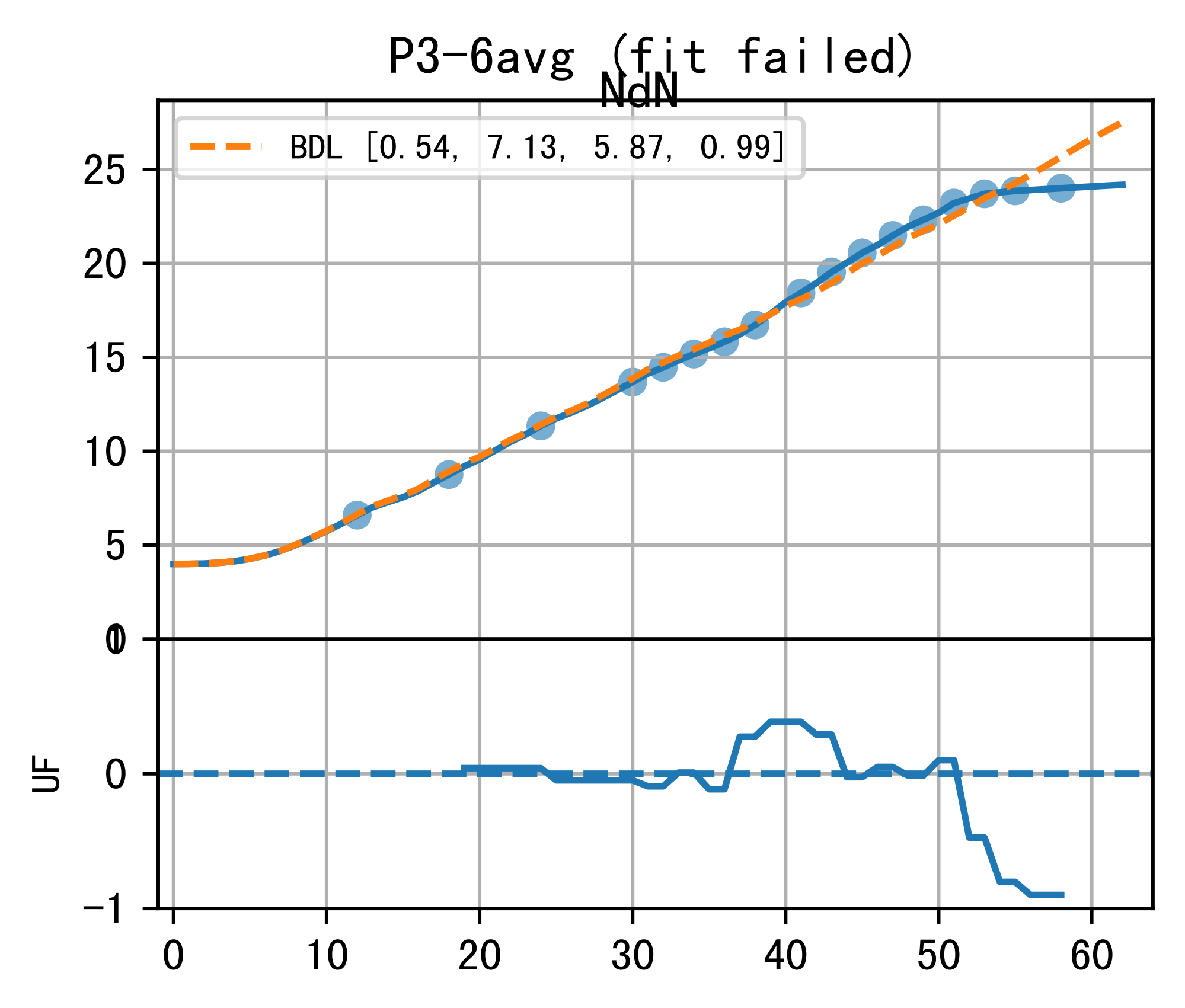

NdV_avgAbsY (Def=na Set=11.07)
avg1=11.07~29% avg2=na
Object Number

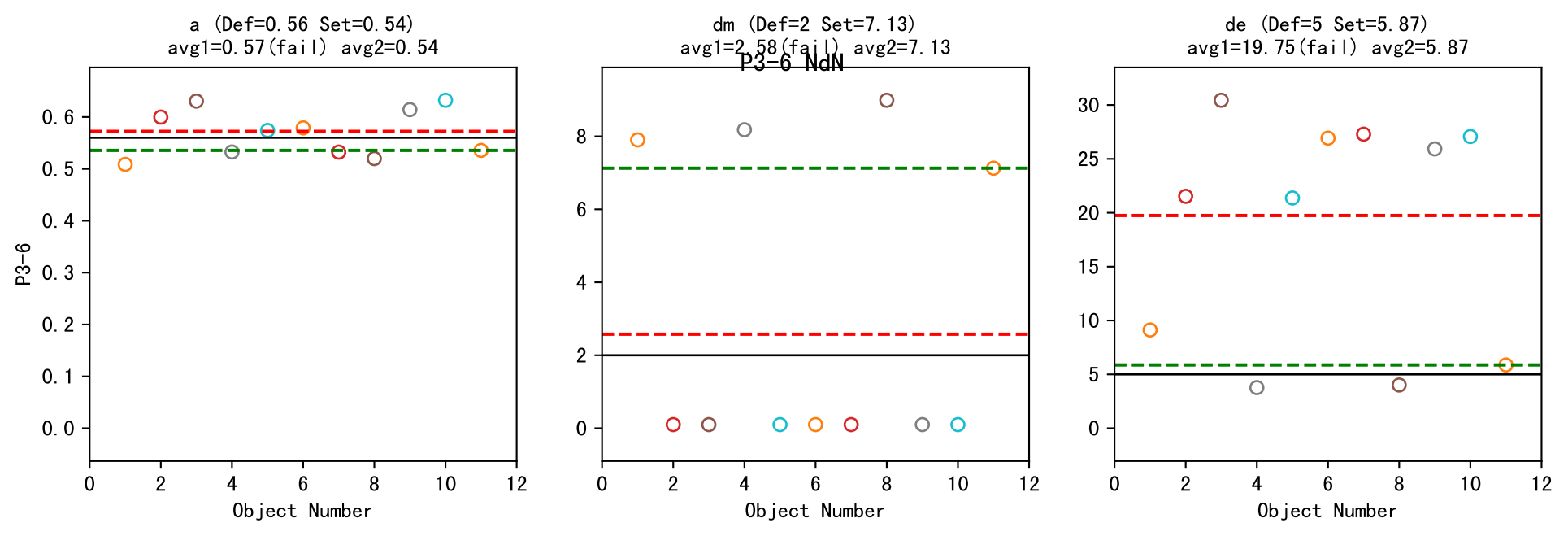

NdV_Q90AbsY (Def=12.72 Set=11.42)
avg1=11.42~18% avg2=na
Object Number

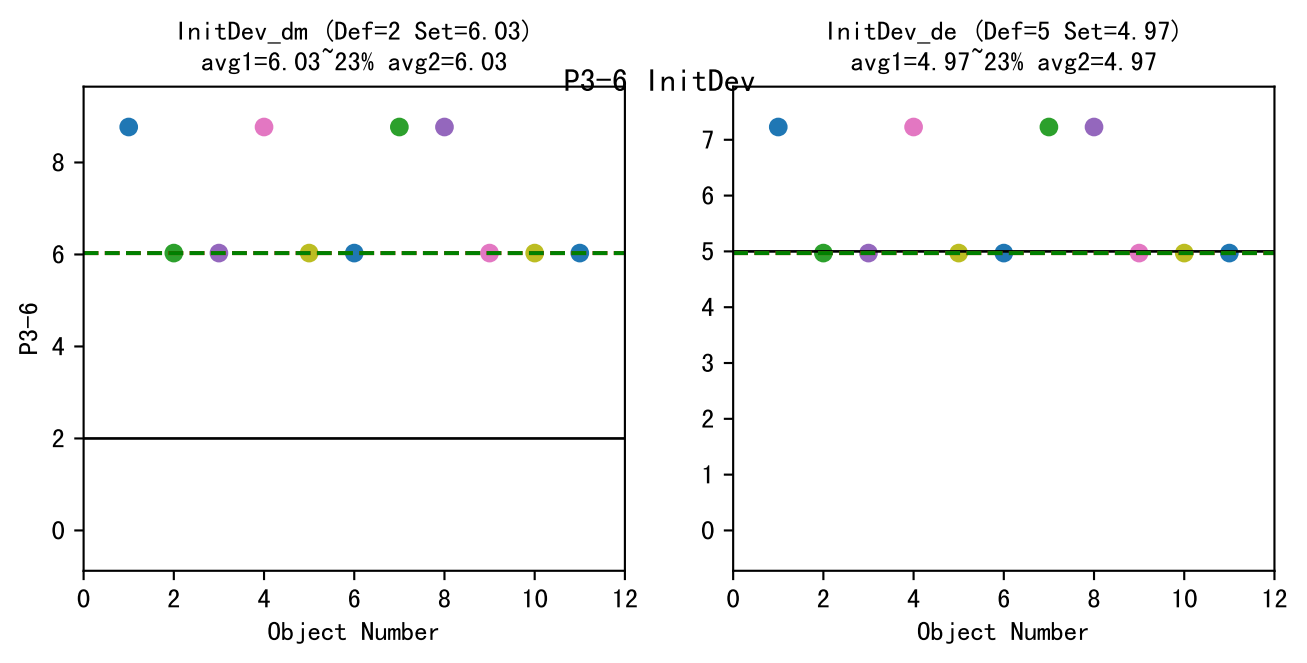

NdN
P3-6-003-24 (fit failed)
BDL [0.51, 7.9, 9.12, 0.99]
P3-6-007-11 (fit failed)
BDL [0.6, 0.1, 21.53, 1.0]
P3-6-011-7 (fit failed)
BDL [0.63, 0.1, 30.44, 1.0]
P3-6-015-30 (fit failed)
BDL [0.53, 8.18, 3.77, 0.97]
P3-6-019-12 (fit failed)
BDL [0.57, 0.1, 21.37, 1.0]
P3-6-024-25 (fit failed)
BDL [0.58, 0.1, 26.92, 1.0]
P3-6-028-32 (fit failed)
BDL [0.53, 0.1, 27.3, 0.99]
P3-6-033-9 (fit failed)
BDL [0.52, 8.99, 4.01, 1.0]
P3-6-038-21 (fit failed)
BDL [0.61, 0.1, 25.92, 1.0]
UF

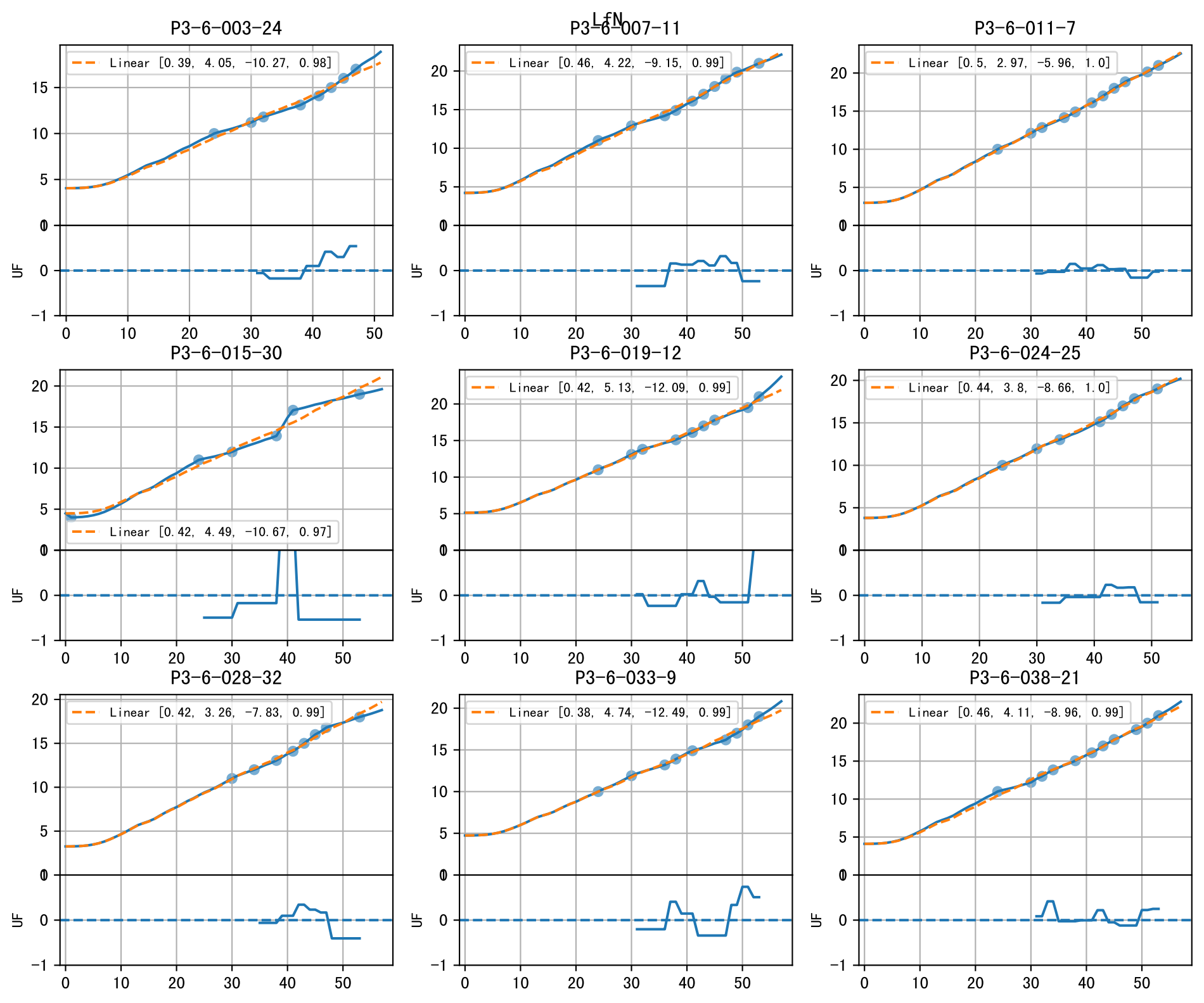
NdN

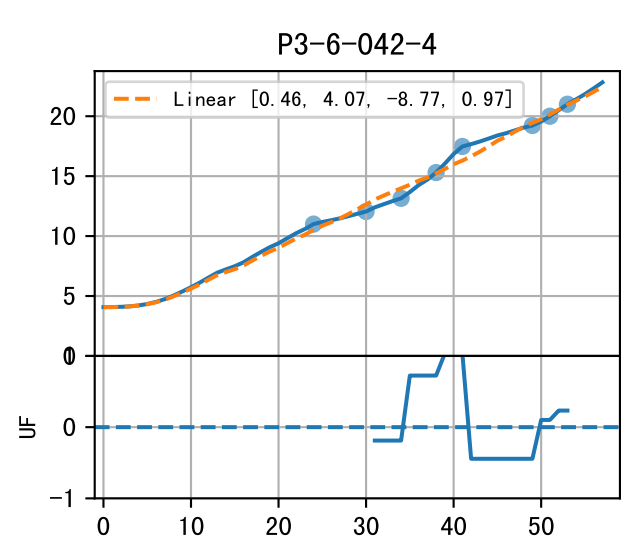

P3-6-042-4 (fit failed)
BDL [0.63, 0.1, 27.08, 0.99]
20
10
0
UF
0
−1
0
10
20
30
40
50

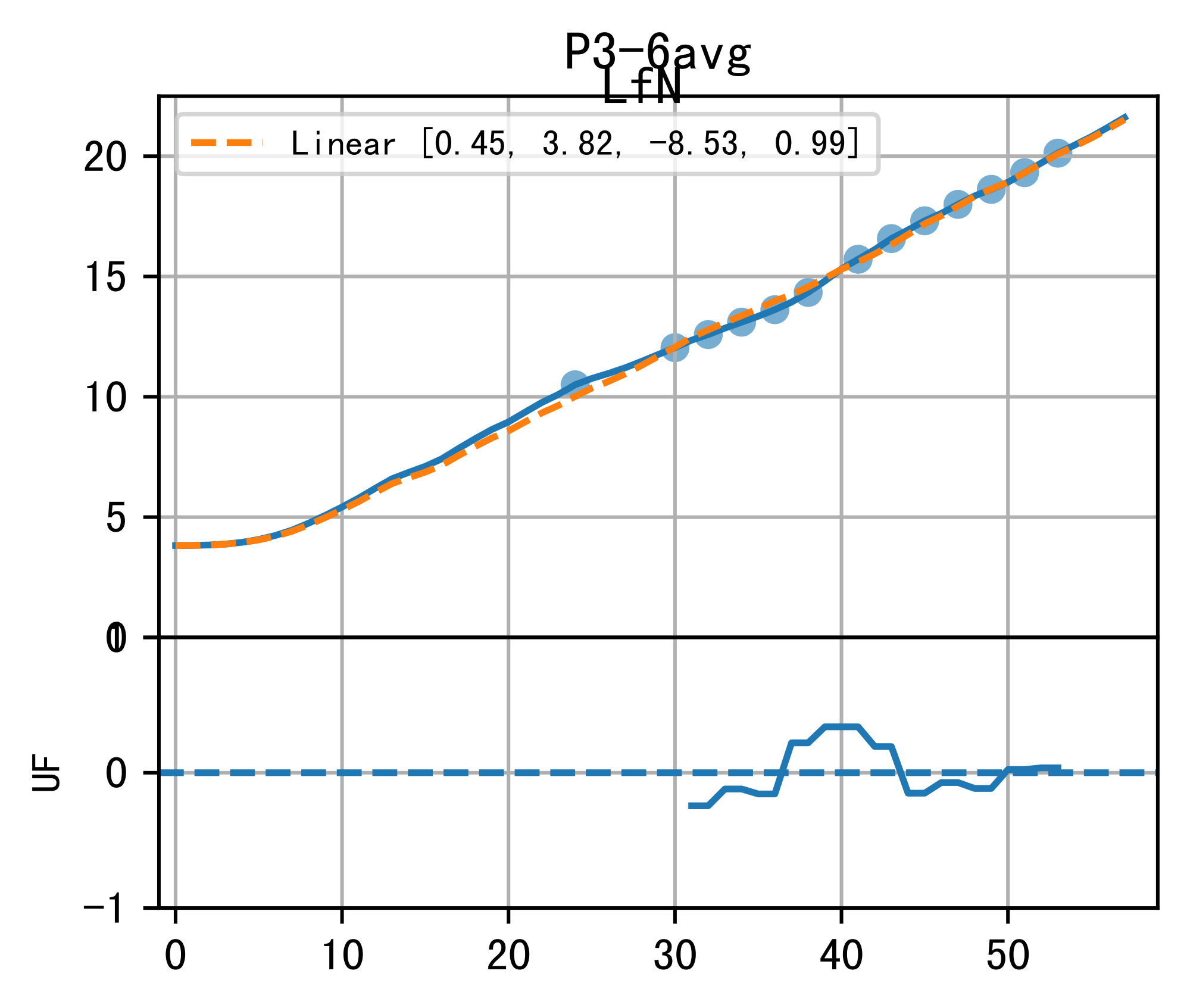

P3-6avg (fit failed)
NdN
BDL [0.54, 7.13, 5.87, 0.99]
25
20
15
10
5
0
0
UF
0
−1
0
10
20
30
40
50
60

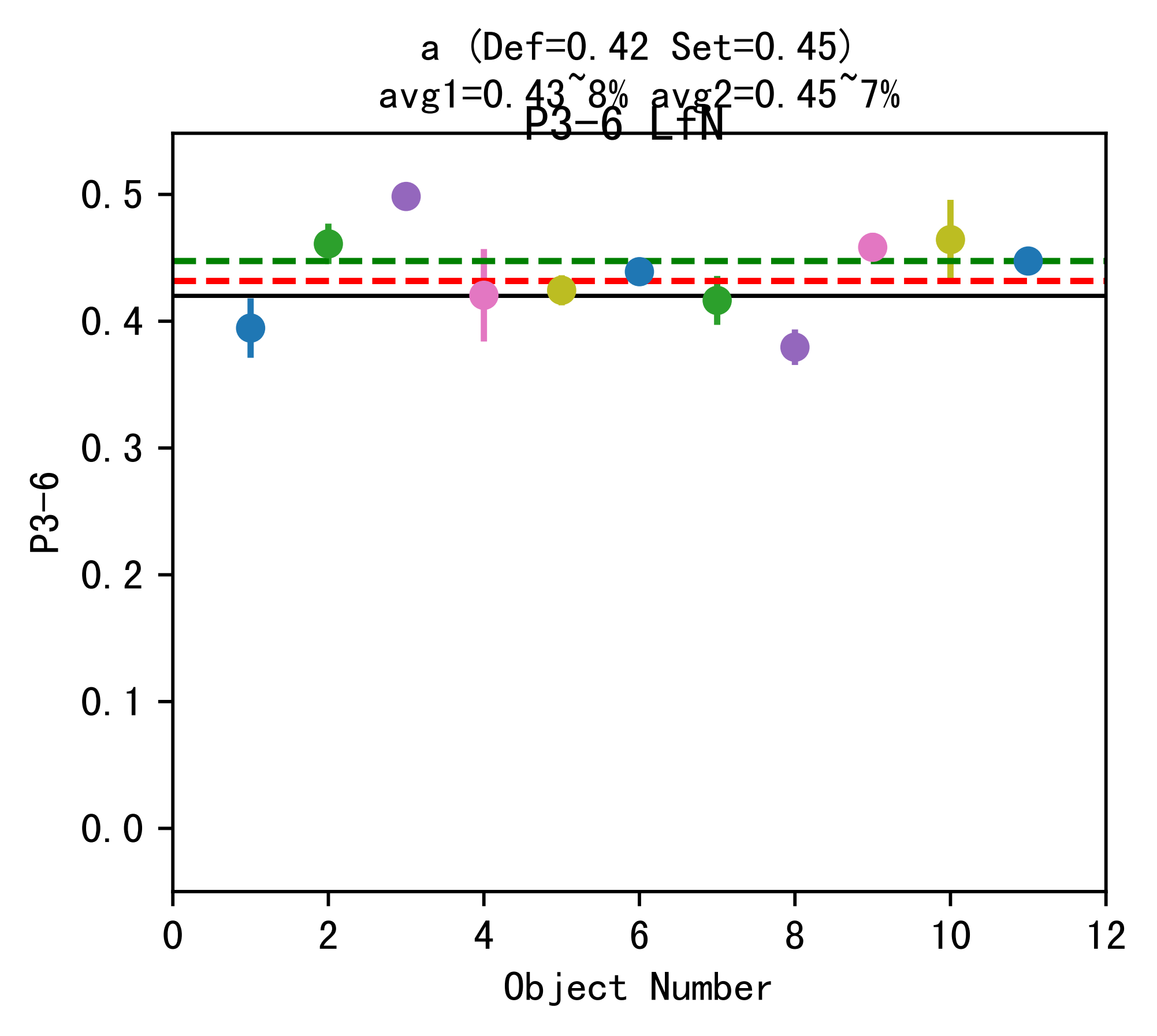

a (Def=0.56 Set=0.54)
avg1=0.57(fail) avg2=0.54
dm (Def=2 Set=7.13)
avg1=2.58(fail) avg2=7.13
P3-6 NdN
de (Def=5 Set=5.87)
avg1=19.75(fail) avg2=5.87
P3-6
Object Number
Object Number
Object Number

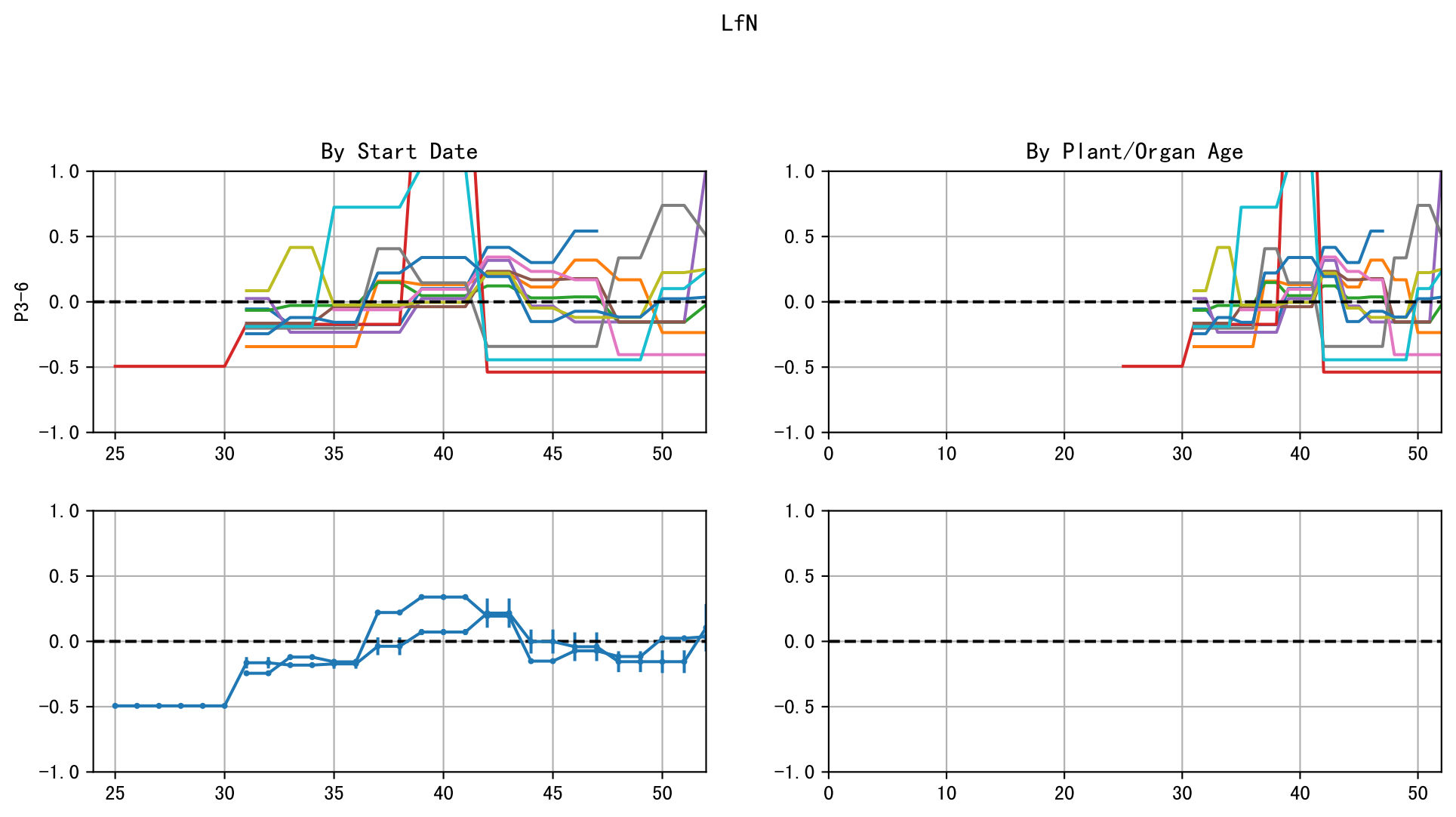

InitDev_dm (Def=2 Set=6.03)
avg1=6.03~23% avg2=6.03
P3-6 InitDev
InitDev_de (Def=5 Set=4.97)
avg1=4.97~23% avg2=4.97
P3-6
Object Number
Object Number

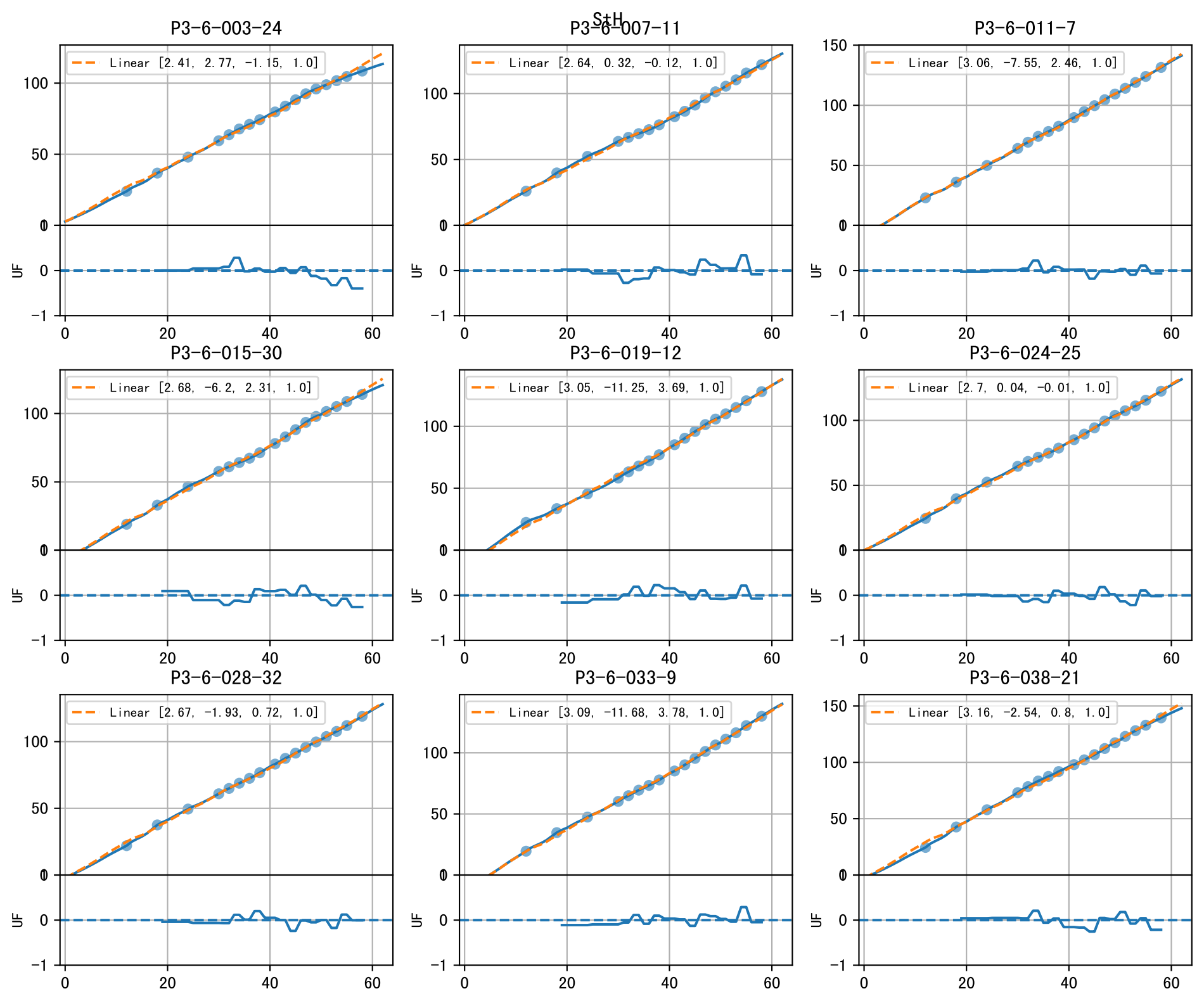

LfN
P3-6-003-24
Linear [0.39, 4.05, -10.27, 0.98]
P3-6-007-11
Linear [0.46, 4.22, -9.15, 0.99]
P3-6-011-7
Linear [0.5, 2.97, -5.96, 1.0]
P3-6-015-30
Linear [0.42, 4.49, -10.67, 0.97]
P3-6-019-12
Linear [0.42, 5.13, -12.09, 0.99]
P3-6-024-25
Linear [0.44, 3.8, -8.66, 1.0]
P3-6-028-32
Linear [0.42, 3.26, -7.83, 0.99]
P3-6-033-9
Linear [0.38, 4.74, -12.49, 0.99]
P3-6-038-21
Linear [0.46, 4.11, -8.96, 0.99]
UF


P3-6-042-4
Linear [0.46, 4.07, -8.77, 0.97]
UF
LfN

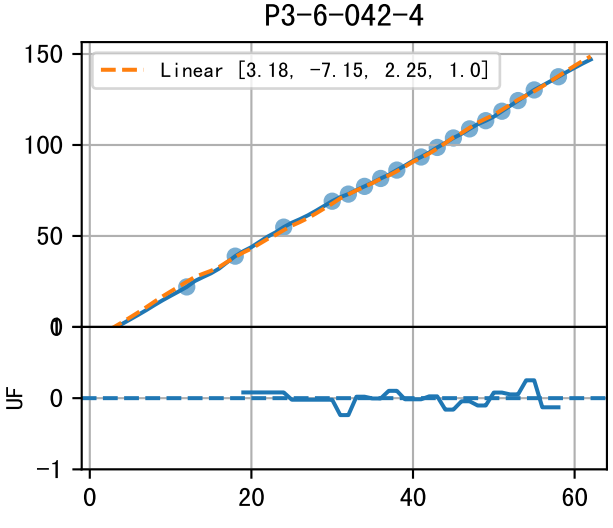

P3-6avg
LfN
Linear [0.45, 3.82, -8.53, 0.99]
20
15
10
5
0
0
-1
UF
0
10
20
30
40
50

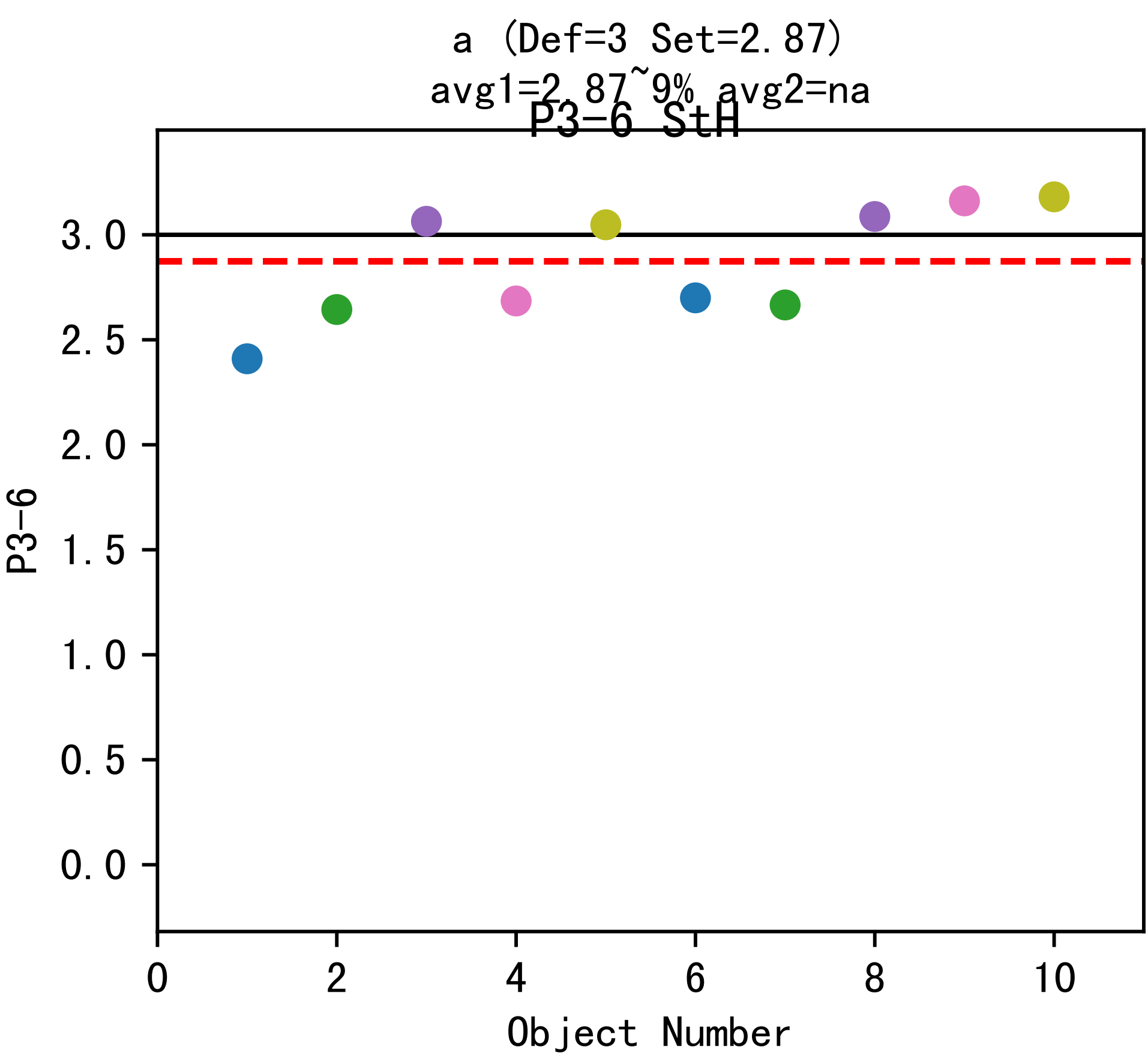

a (Def=0.42 Set=0.45)
avg1=0.43~8% avg2=0.45~7%
P3-6 LfN
0.5
0.4
0.3
0.2
0.1
0.0
P3-6
0
2
4
6
8
10
12
Object Number

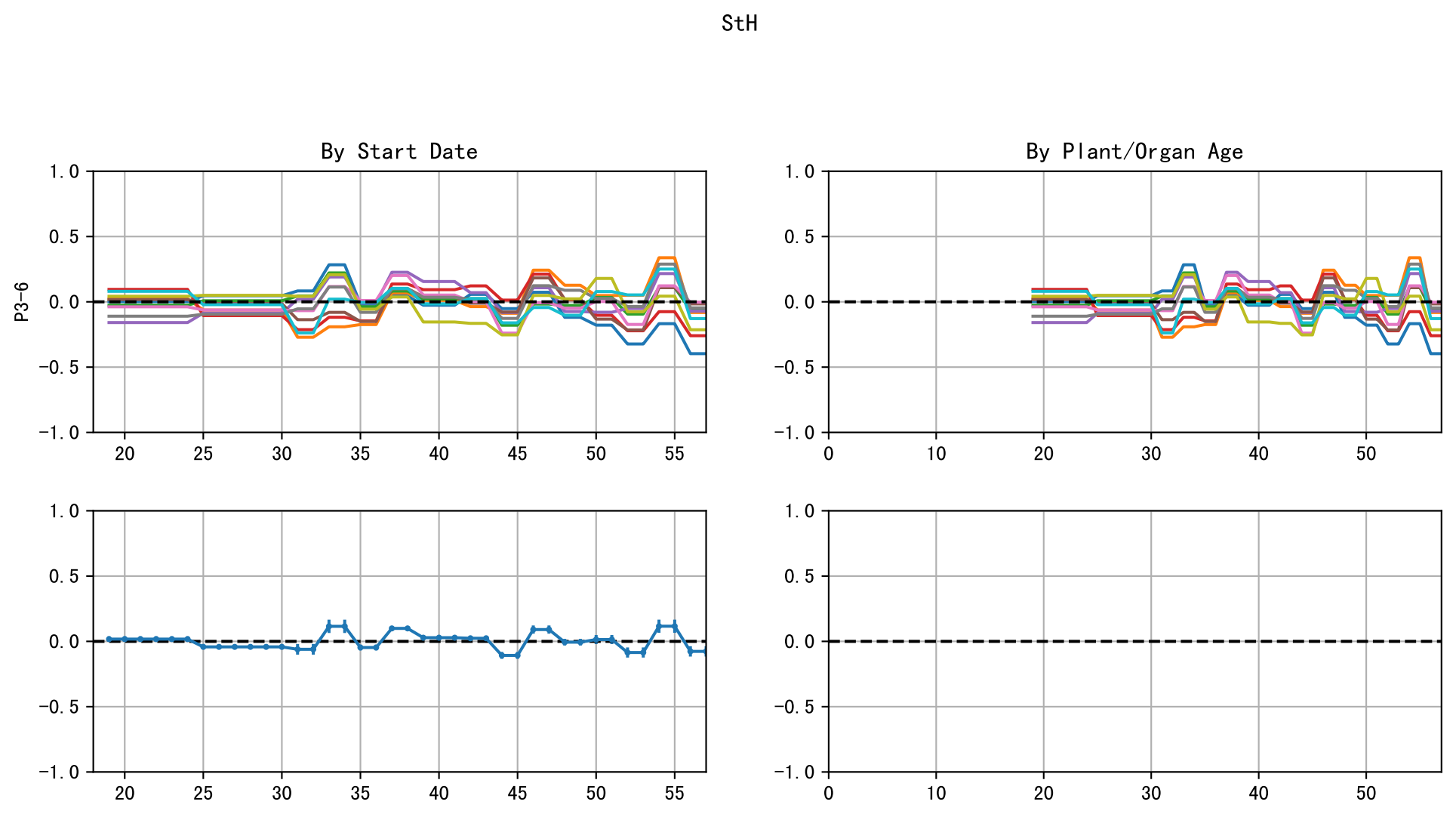

LfN
By Start Date
By Plant/Organ Age
P3-6
1.0
0.5
0.0
−0.5
−1.0
25
30
35
40
45
50
0
10
20
30
40
50

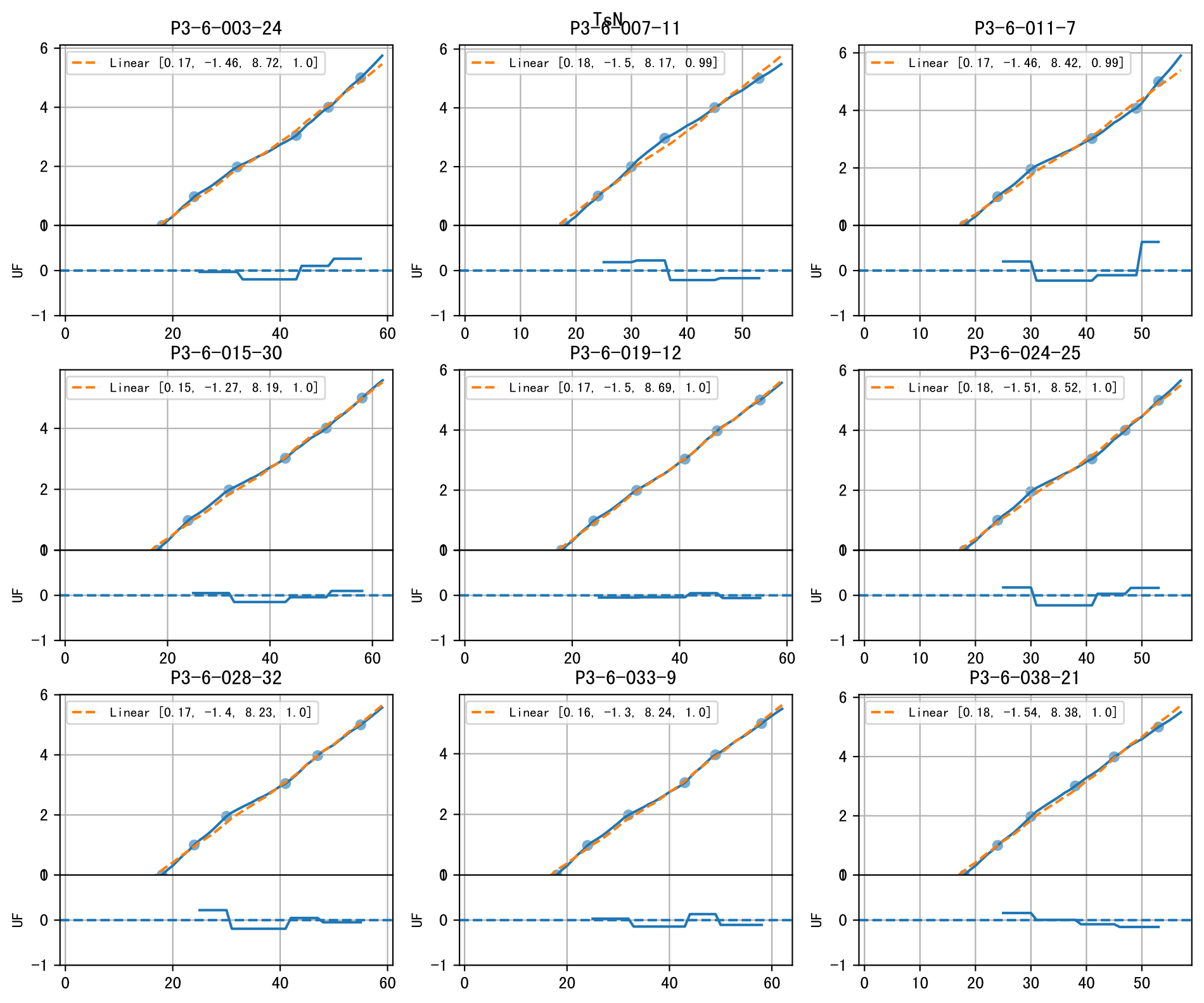

S&H
P3-6-003-24
Linear [2.41, 2.77, -1.15, 1.0]
P3-6-007-11
Linear [2.64, 0.32, -0.12, 1.0]
P3-6-011-7
Linear [3.06, -7.55, 2.46, 1.0]
P3-6-015-30
Linear [2.68, -6.2, 2.31, 1.0]
P3-6-019-12
Linear [3.05, -11.25, 3.69, 1.0]
P3-6-024-25
Linear [2.7, 0.04, -0.01, 1.0]
P3-6-028-32
Linear [2.67, -1.93, 0.72, 1.0]
P3-6-033-9
Linear [3.09, -11.68, 3.78, 1.0]
P3-6-038-21
Linear [3.16, -2.54, 0.8, 1.0]
UF

StH

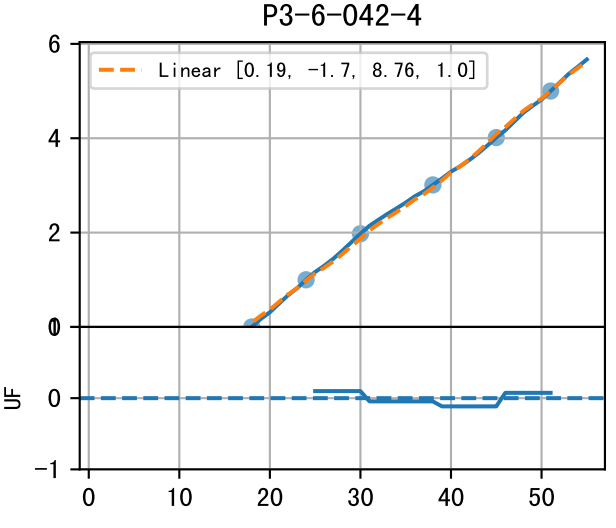


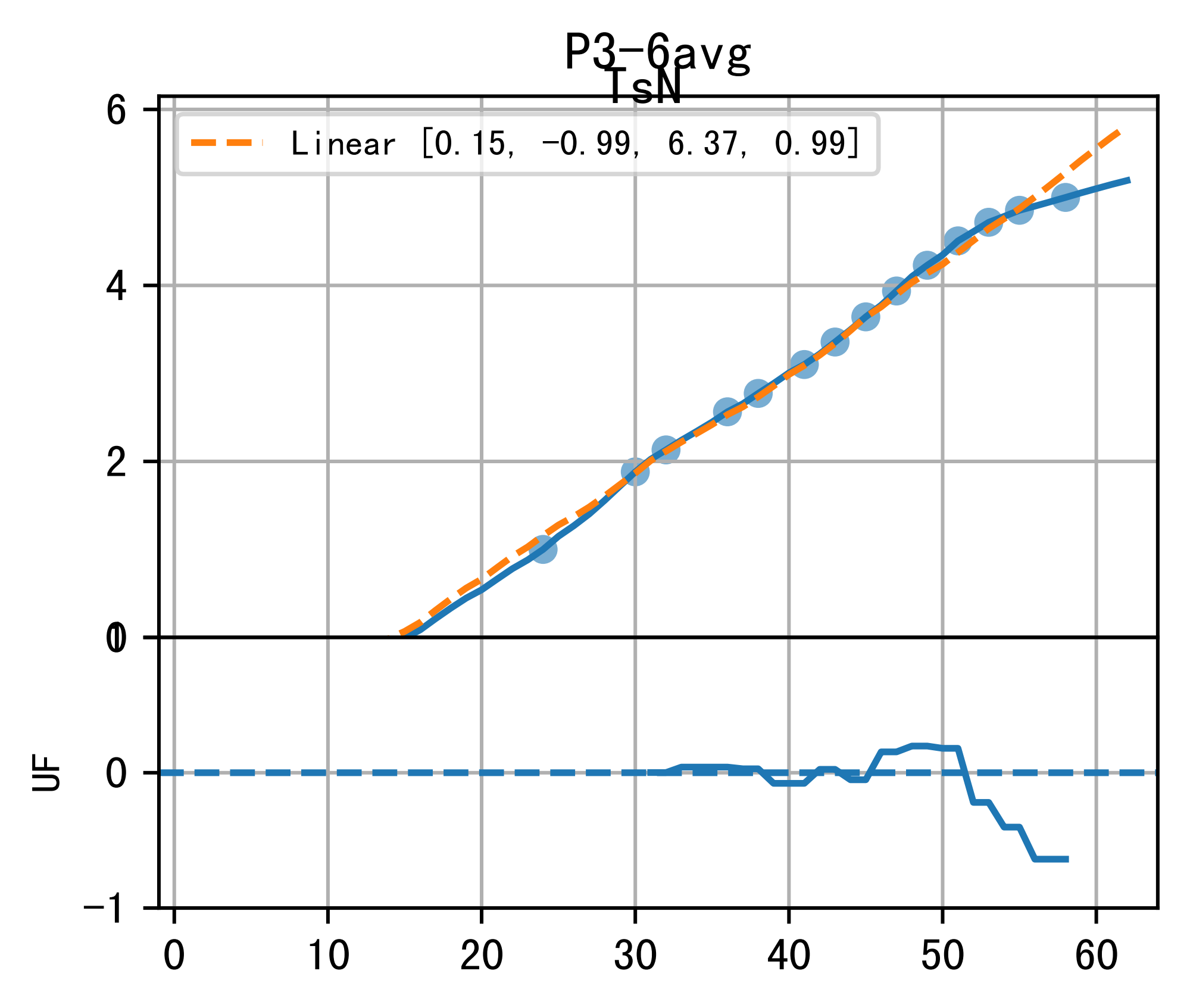

a (Def=3 Set=2.87)
avg1=2.87~9% avg2=na
P3-6 StH
3.0
2.5
2.0
1.5
1.0
0.5
0.0
P3-6
0
2
4
6
8
10
Object Number

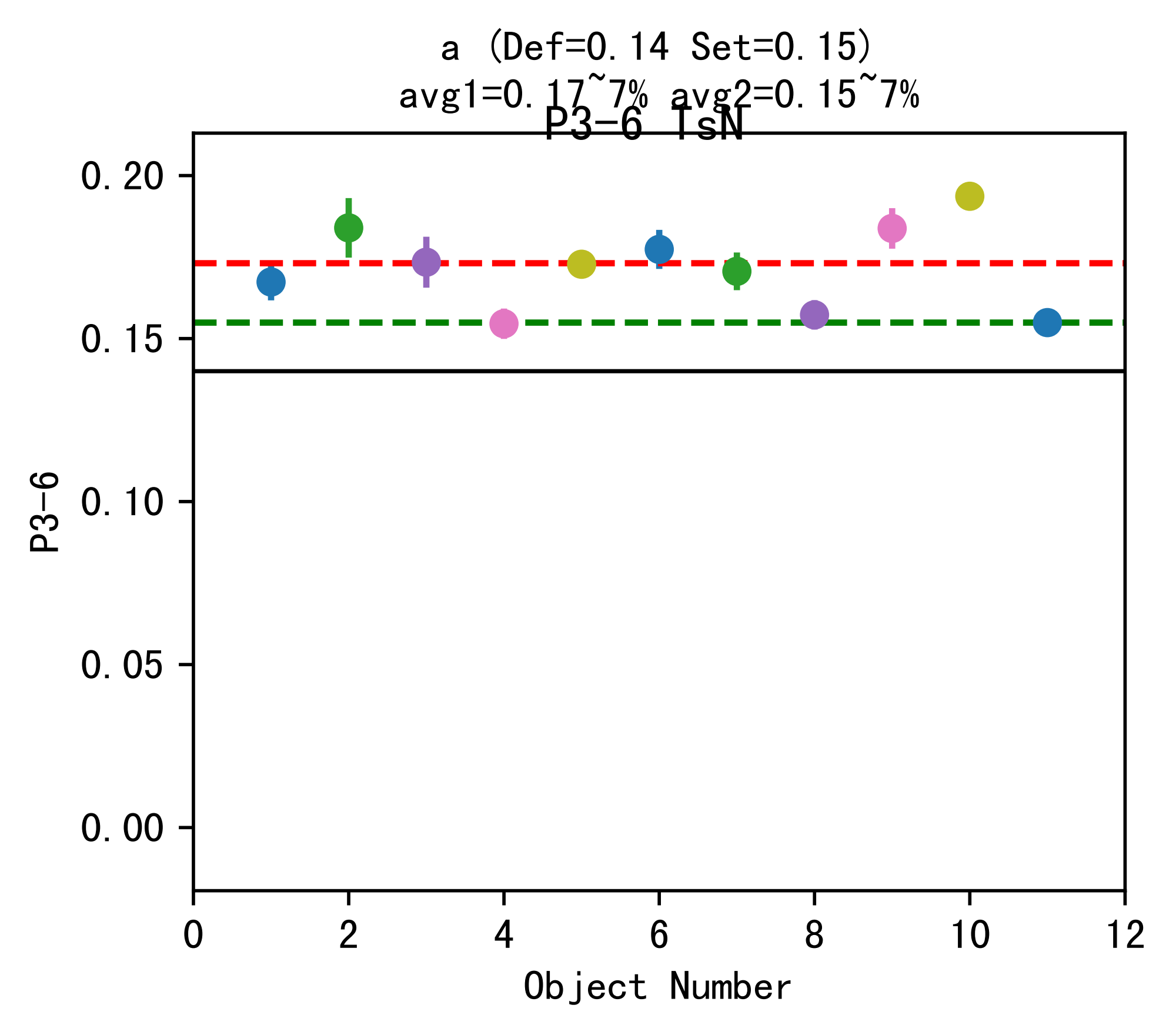

StH
By Start Date
By Plant/Organ Age
P3-6
1.0
0.5
0.0
−0.5
−1.0
20
25
30
35
40
45
50
55
0
10
20
30
40
50

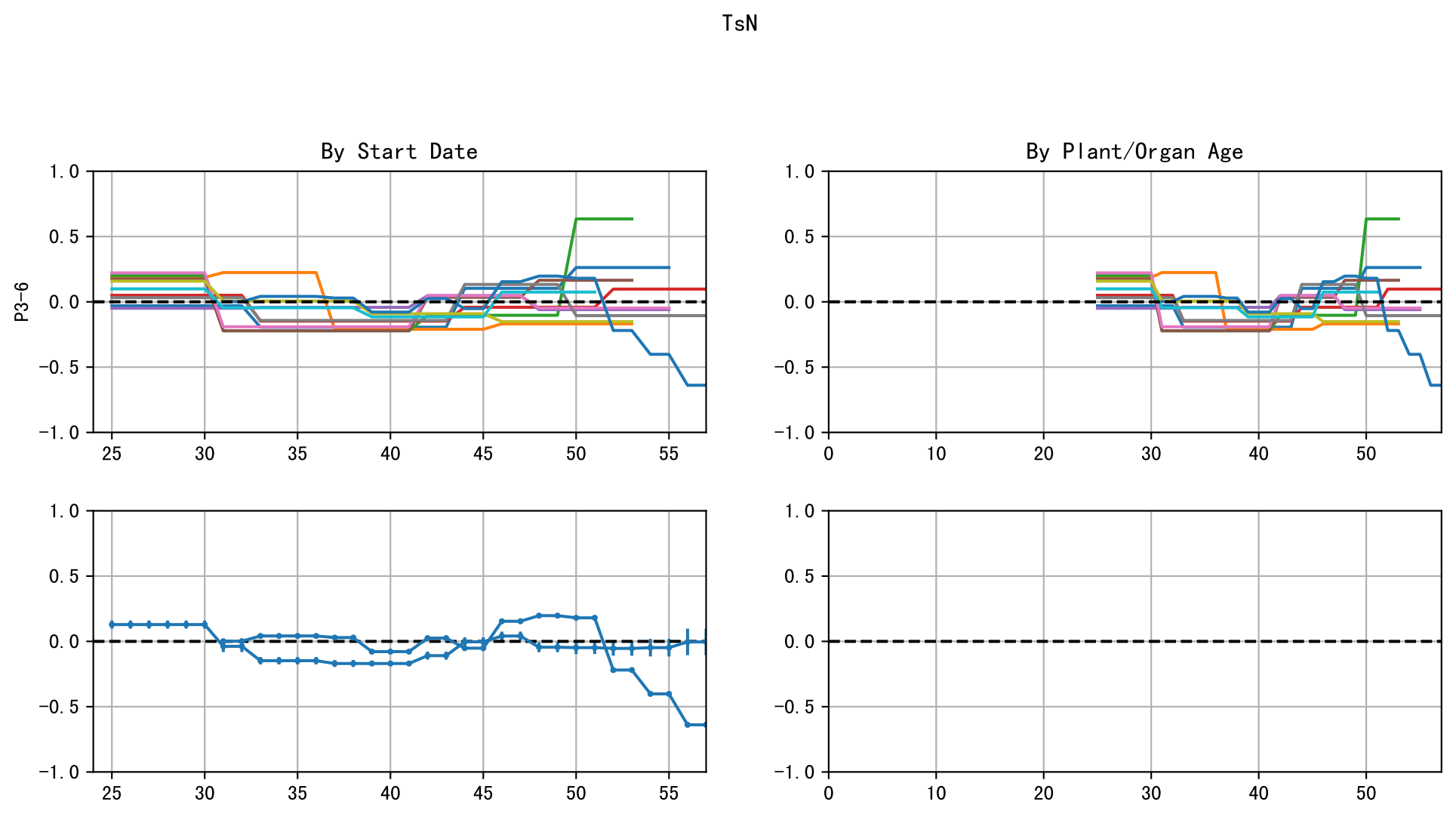

TsN
P3-6-003-24
Linear [0.17, -1.46, 8.72, 1.0]
P3-6-007-11
Linear [0.18, -1.5, 8.17, 0.99]
P3-6-011-7
Linear [0.17, -1.46, 8.42, 0.99]
P3-6-015-30
Linear [0.15, -1.27, 8.19, 1.0]
P3-6-019-12
Linear [0.17, -1.5, 8.69, 1.0]
P3-6-024-25
Linear [0.18, -1.51, 8.52, 1.0]
P3-6-028-32
Linear [0.17, -1.4, 8.23, 1.0]
P3-6-033-9
Linear [0.16, -1.3, 8.24, 1.0]
P3-6-038-21
Linear [0.18, -1.54, 8.38, 1.0]
UF

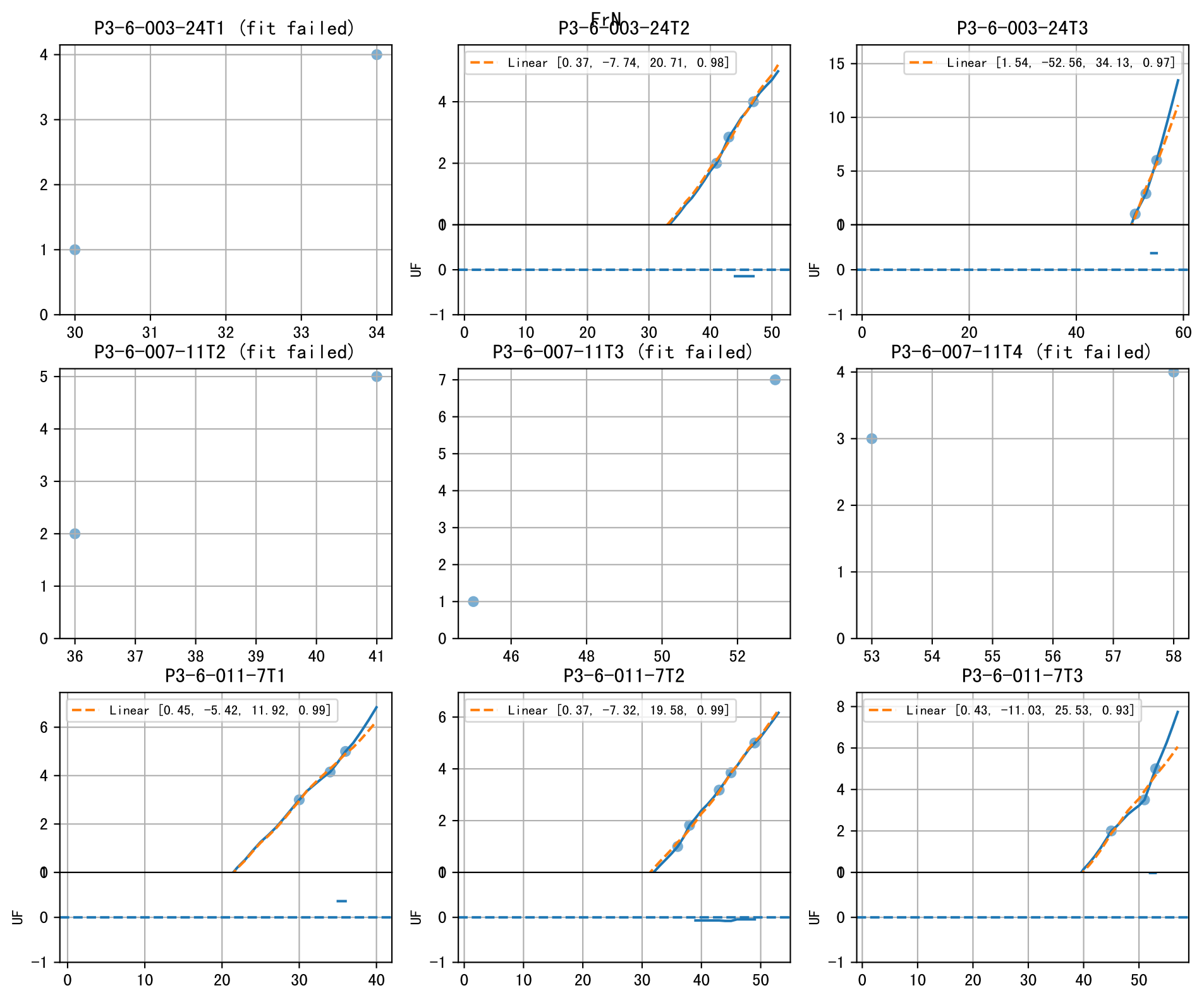
TsN

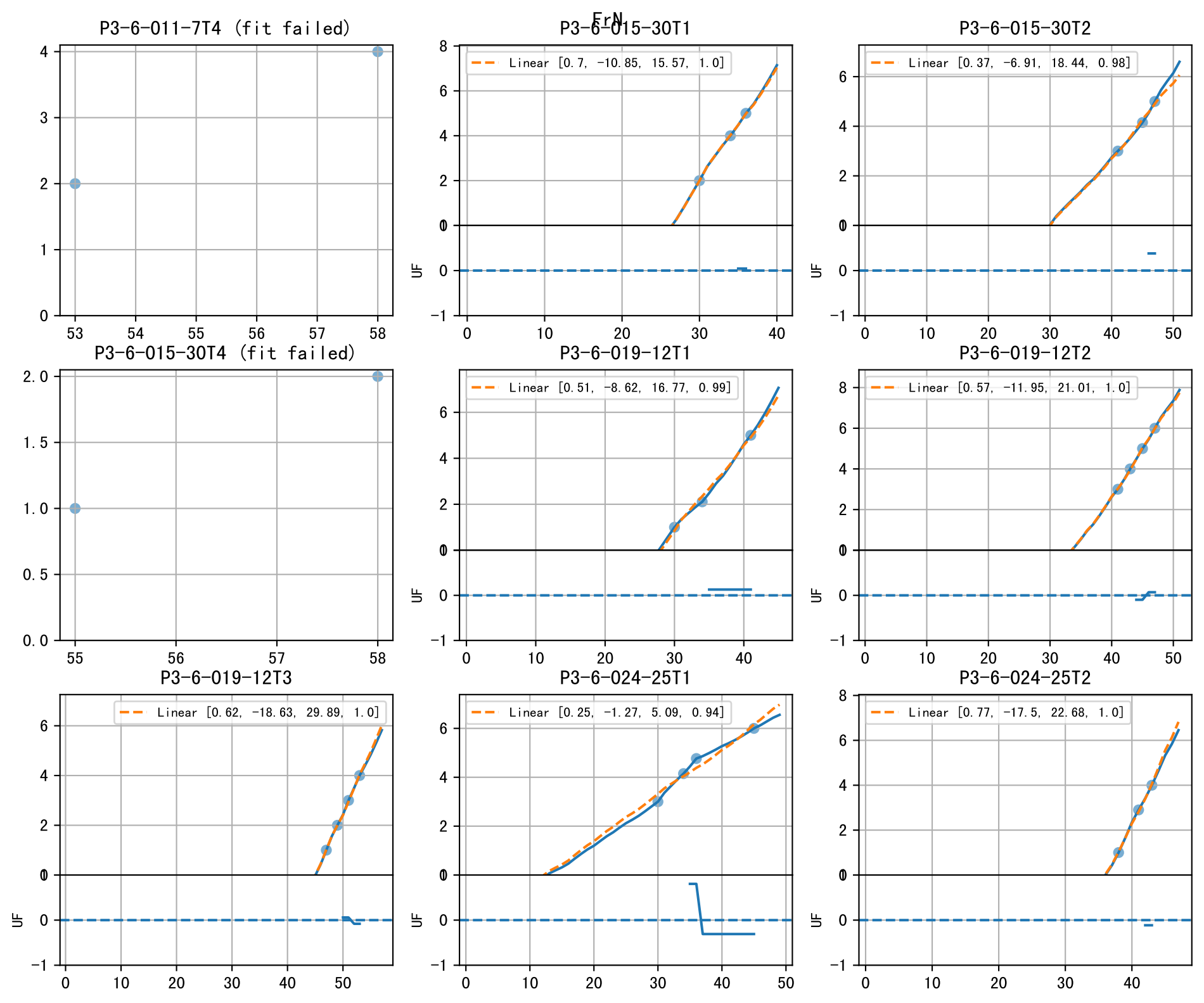


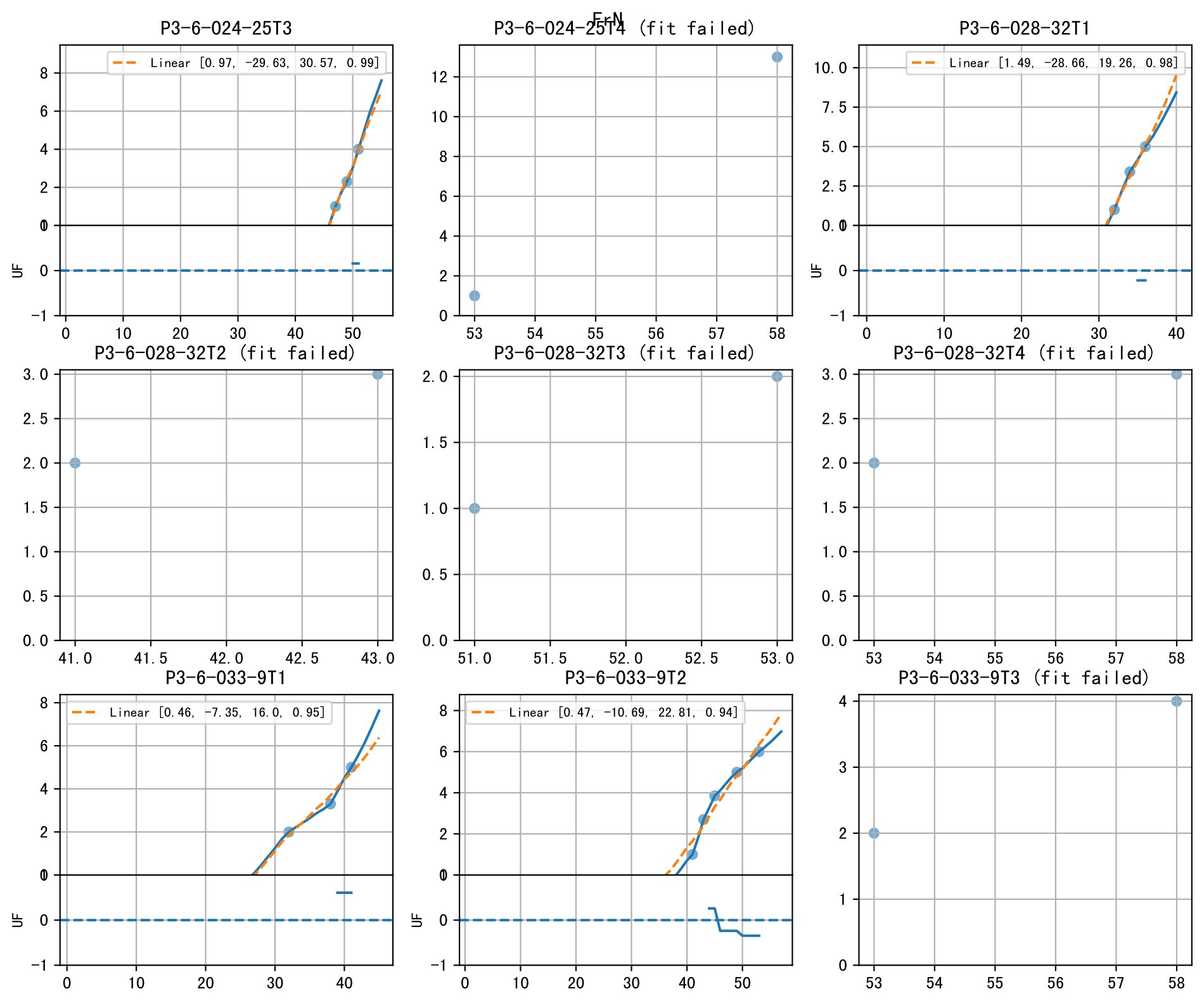

P3-6avg
TsN
Linear [0.15, -0.99, 6.37, 0.99]
6
4
2
0
0
-1
UF
0
10
20
30
40
50
60

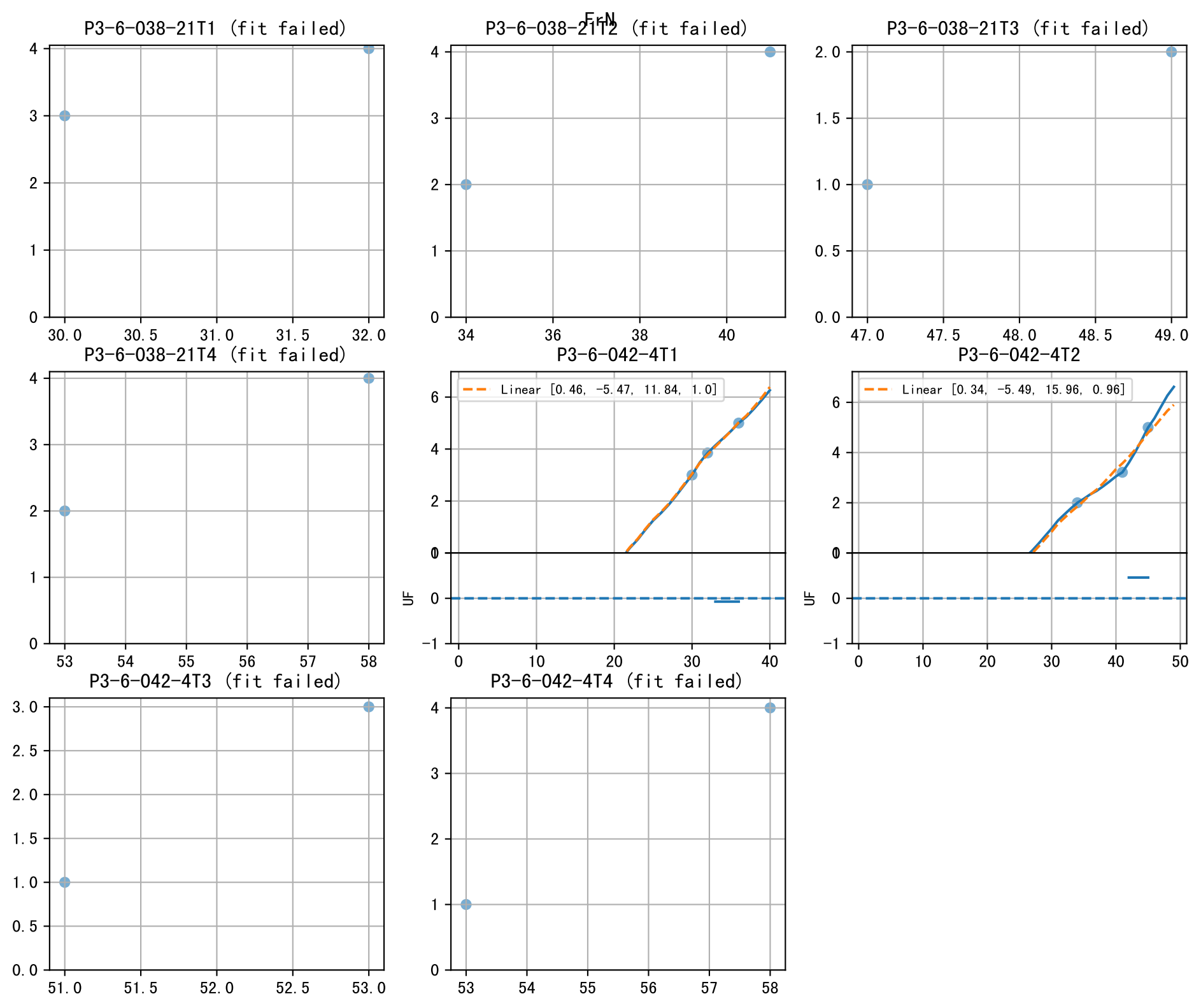

a (Def=0.14 Set=0.15)
avg1=0.17~7% avg2=0.15~7%
P3-6 IsN
0.20
0.15
0.10
0.05
0.00
P3-6
0
2
4
6
8
10
12
Object Number

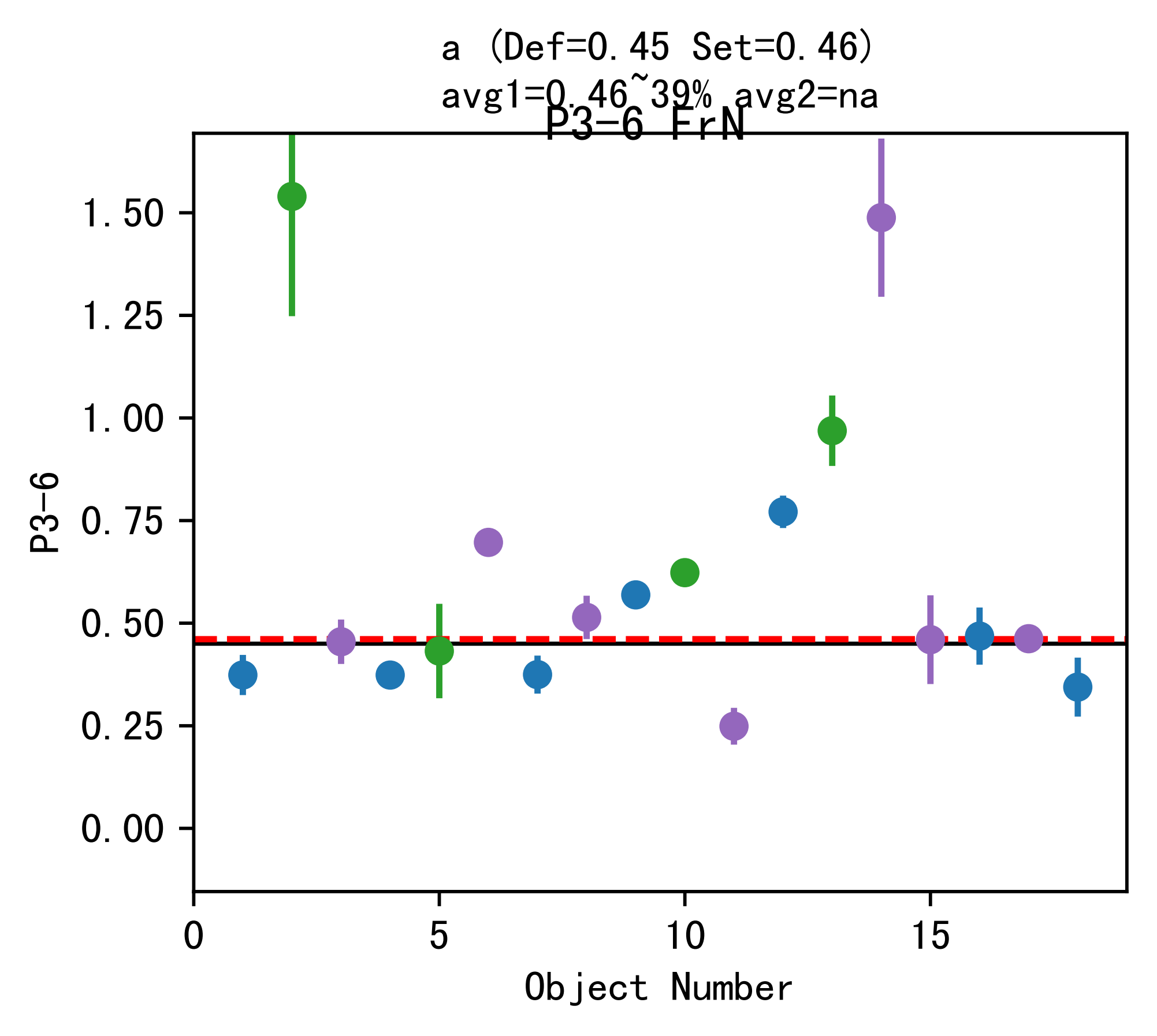

TsN
By Start Date
By Plant/Organ Age
P3-6
1.0
0.5
0.0
−0.5
−1.0
25
30
35
40
45
50
55
0
10
20
30
40
50


FrN
P3-6-003-24T1 (fit failed)
P3-6-003-24T2
Linear [0.37, -7.74, 20.71, 0.98]
P3-6-003-24T3
Linear [1.54, -52.56, 34.13, 0.97]
P3-6-007-11T2 (fit failed)
P3-6-007-11T3 (fit failed)
P3-6-007-11T4 (fit failed)
P3-6-011-7T1
Linear [0.45, -5.42, 11.92, 0.99]
P3-6-011-7T2
Linear [0.37, -7.32, 19.58, 0.99]
P3-6-011-7T3
Linear [0.43, -11.03, 25.53, 0.93]
UF

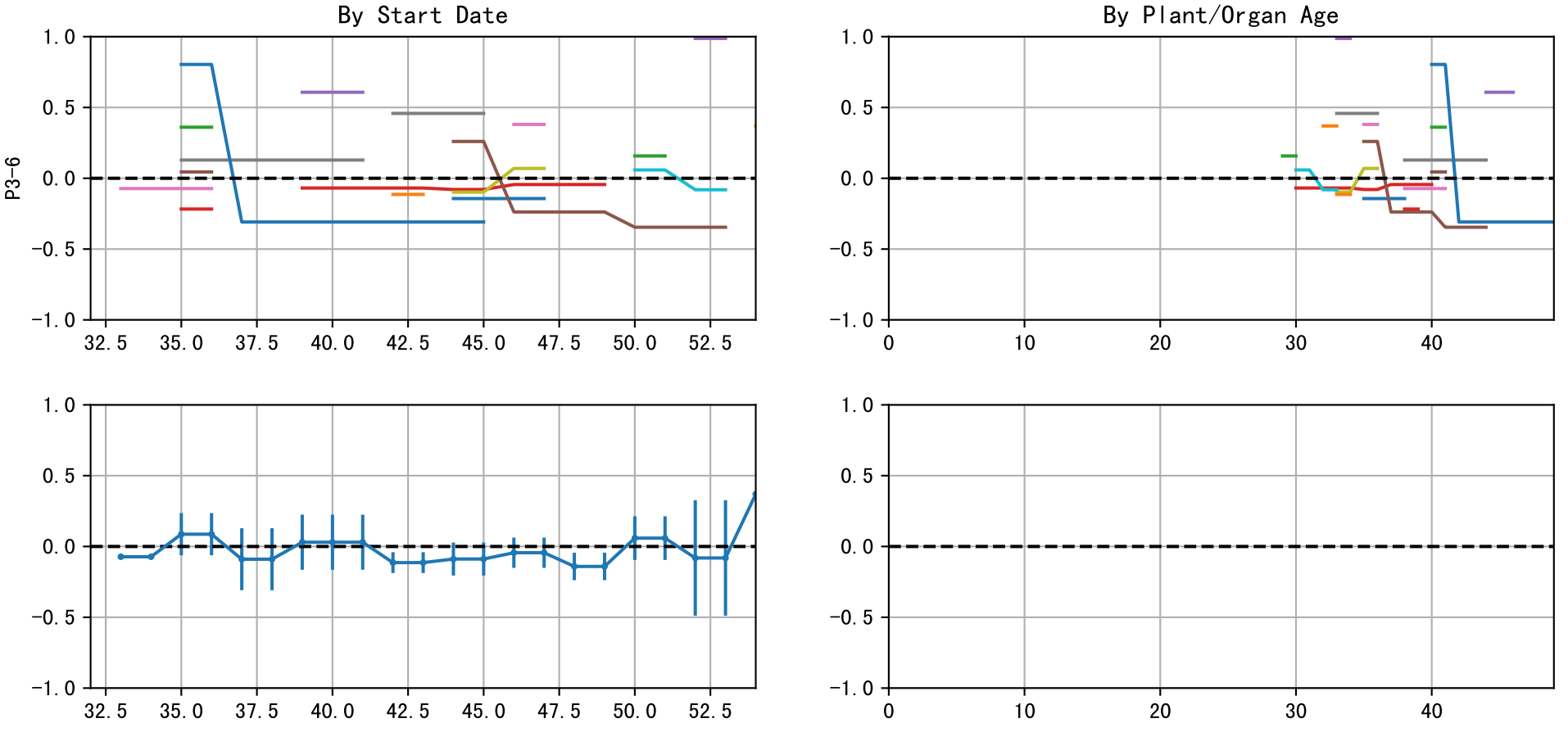

FrN
P3-6-011-7T4 (fit failed)
P3-6-015-30T1
Linear [0.7, -10.85, 15.57, 1.0]
P3-6-015-30T2
Linear [0.37, -6.91, 18.44, 0.98]
P3-6-015-30T4 (fit failed)
P3-6-019-12T1
Linear [0.51, -8.62, 16.77, 0.99]
P3-6-019-12T2
Linear [0.57, -11.95, 21.01, 1.0]
P3-6-019-12T3
Linear [0.62, -18.63, 29.89, 1.0]
P3-6-024-25T1
Linear [0.25, -1.27, 5.09, 0.94]
P3-6-024-25T2
Linear [0.77, -17.5, 22.68, 1.0]
UF

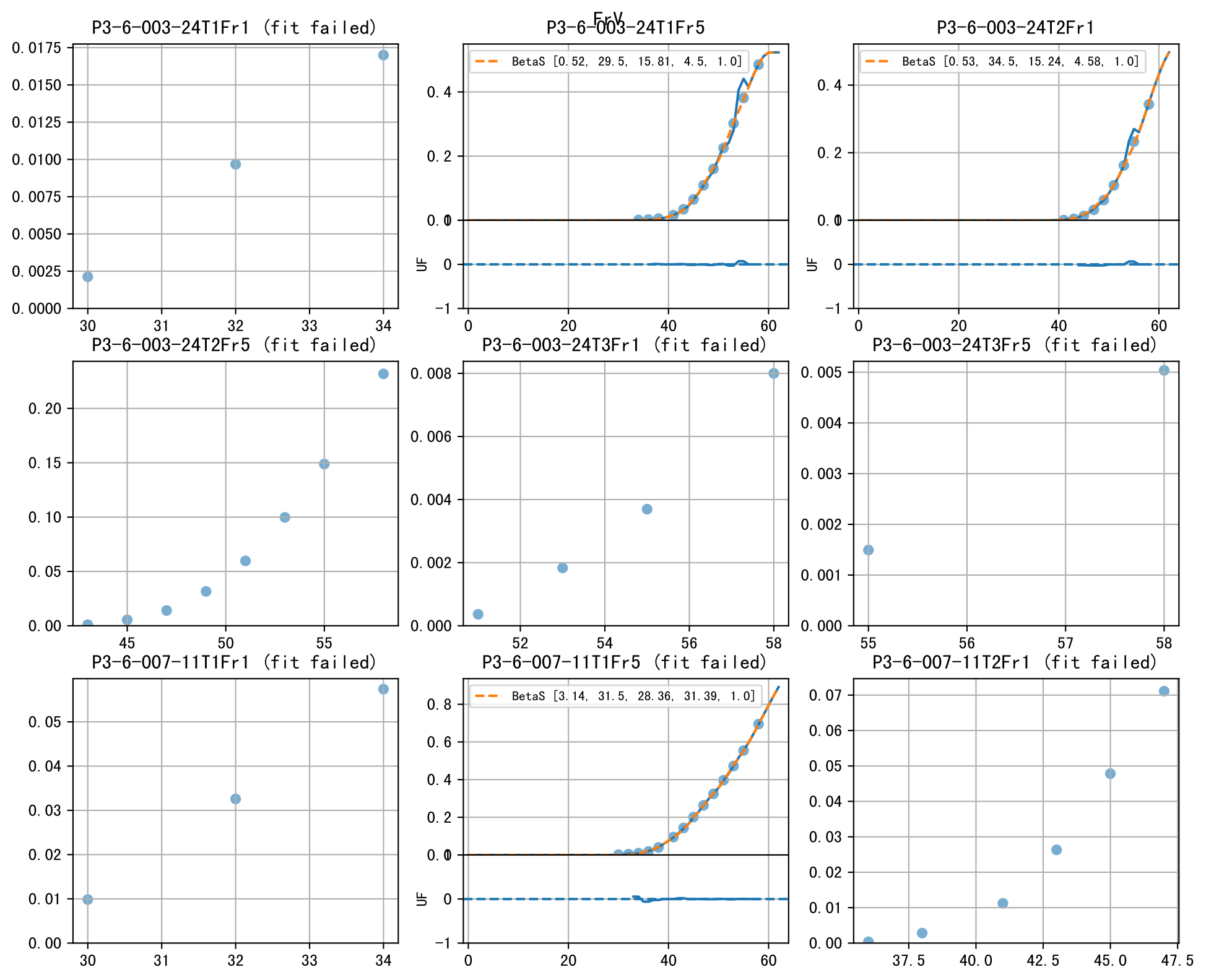

FrN
P3-6-024-25T3
Linear [0.97, -29.63, 30.57, 0.99]
P3-6-024-25T4 (fit failed)
P3-6-028-32T1
Linear [1.49, -28.66, 19.26, 0.98]
P3-6-028-32T2 (fit failed)
P3-6-028-32T3 (fit failed)
P3-6-028-32T4 (fit failed)
P3-6-033-9T1
Linear [0.46, -7.35, 16.0, 0.95]
P3-6-033-9T2
Linear [0.47, -10.69, 22.81, 0.94]
P3-6-033-9T3 (fit failed)
UF

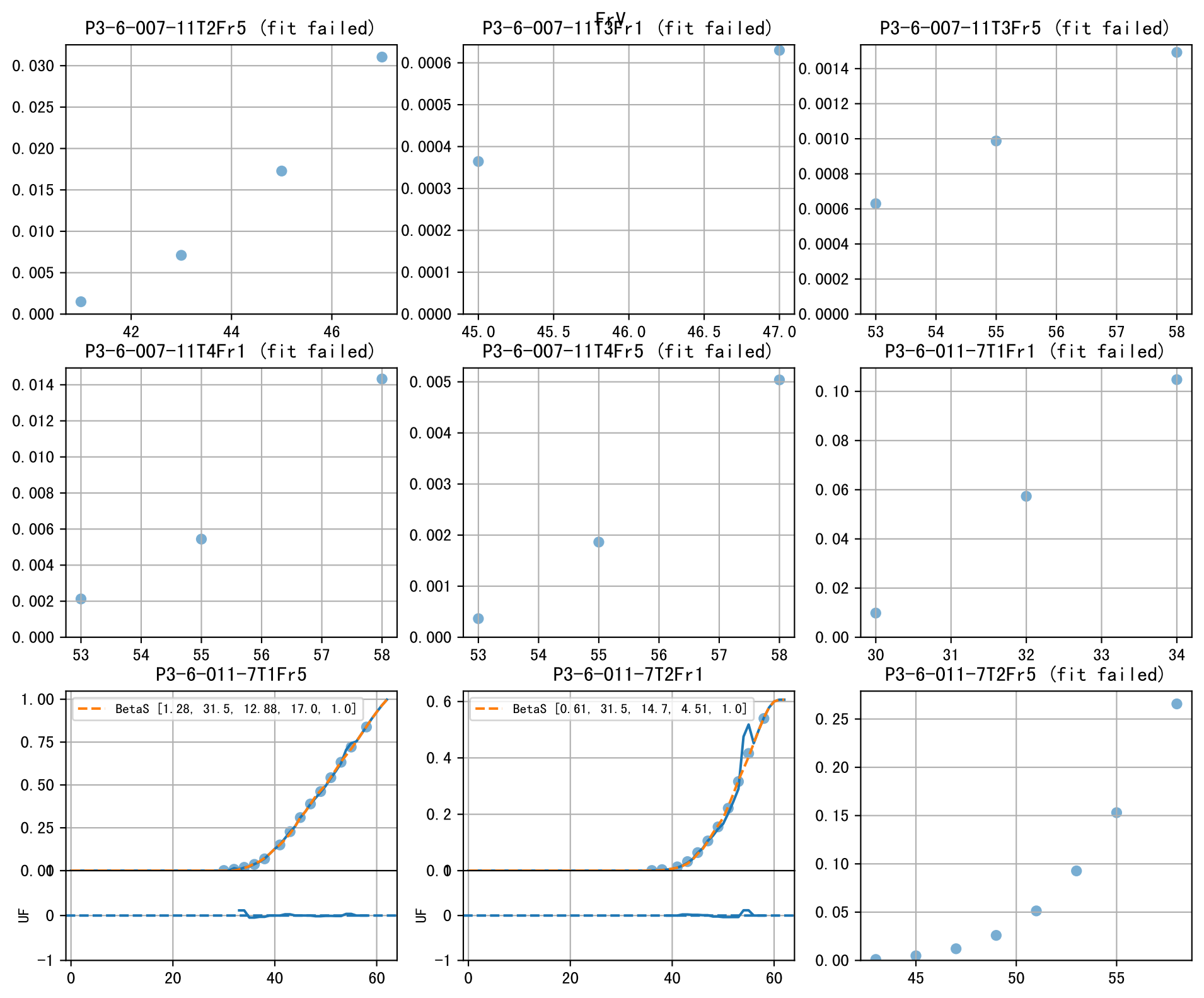

FrN
P3-6-038-21T1 (fit failed)
P3-6-038-21T2 (fit failed)
P3-6-038-21T3 (fit failed)
P3-6-038-21T4 (fit failed)
P3-6-042-4T1
Linear [0.46, -5.47, 11.84, 1.0]
P3-6-042-4T2
Linear [0.34, -5.49, 15.96, 0.96]
P3-6-042-4T3 (fit failed)
P3-6-042-4T4 (fit failed)
UF
UF

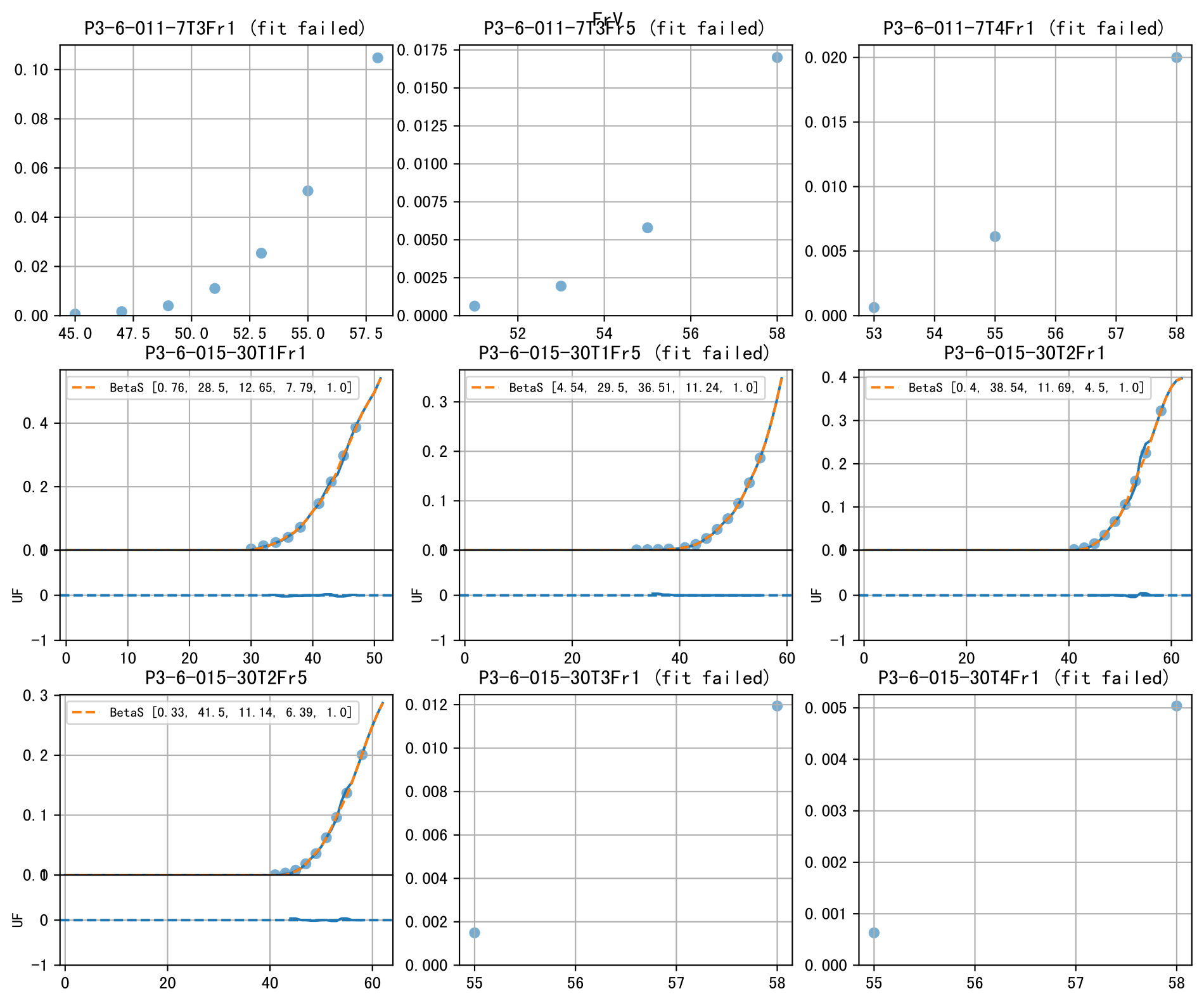

a (Def=0.45 Set=0.46)
avg1=0.46~39% avg2=na
P3-6 FrN
1.50
1.25
1.00
0.75
0.50
0.25
0.00
P3-6
0
5
10
15
Object Number

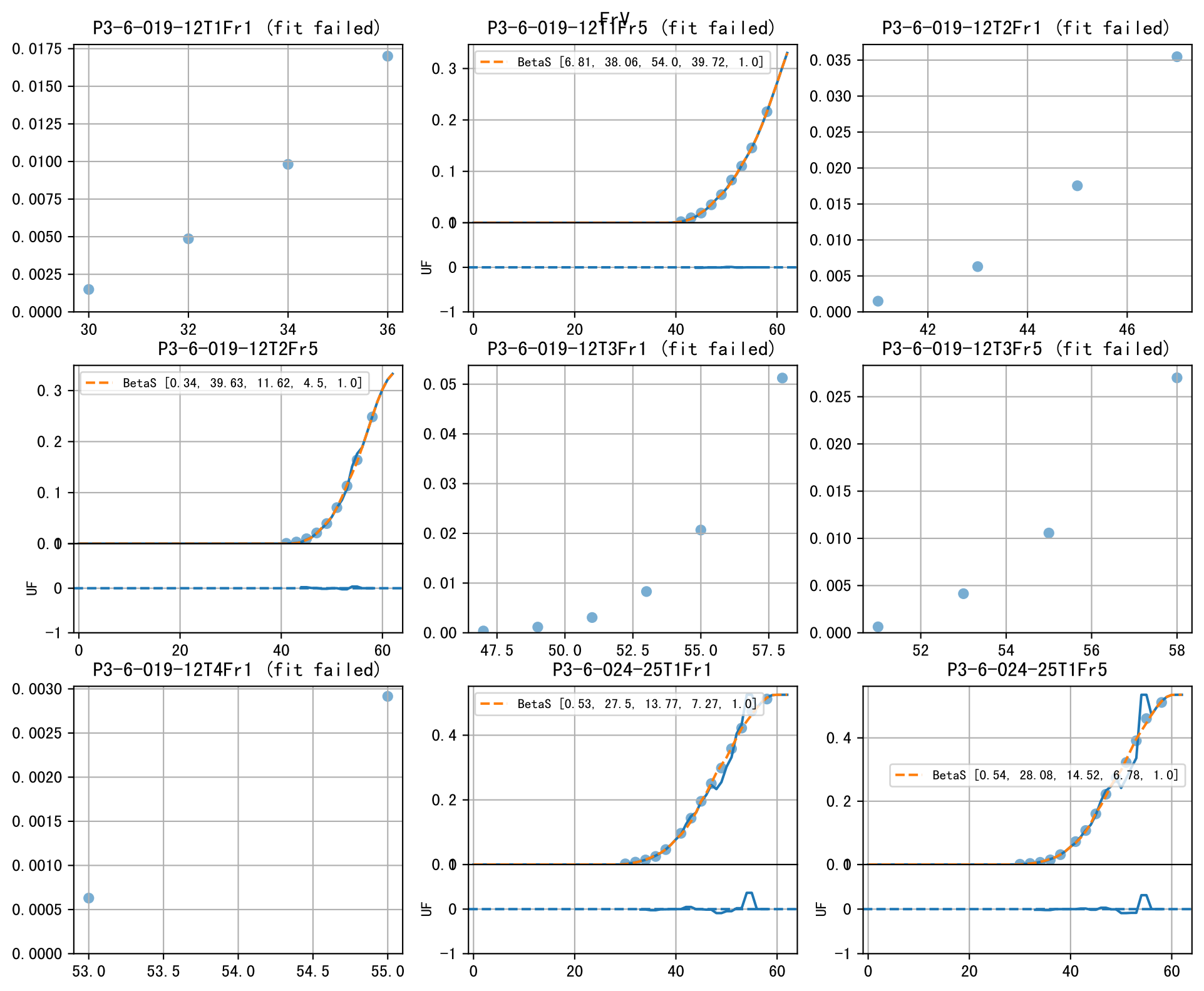
FrN

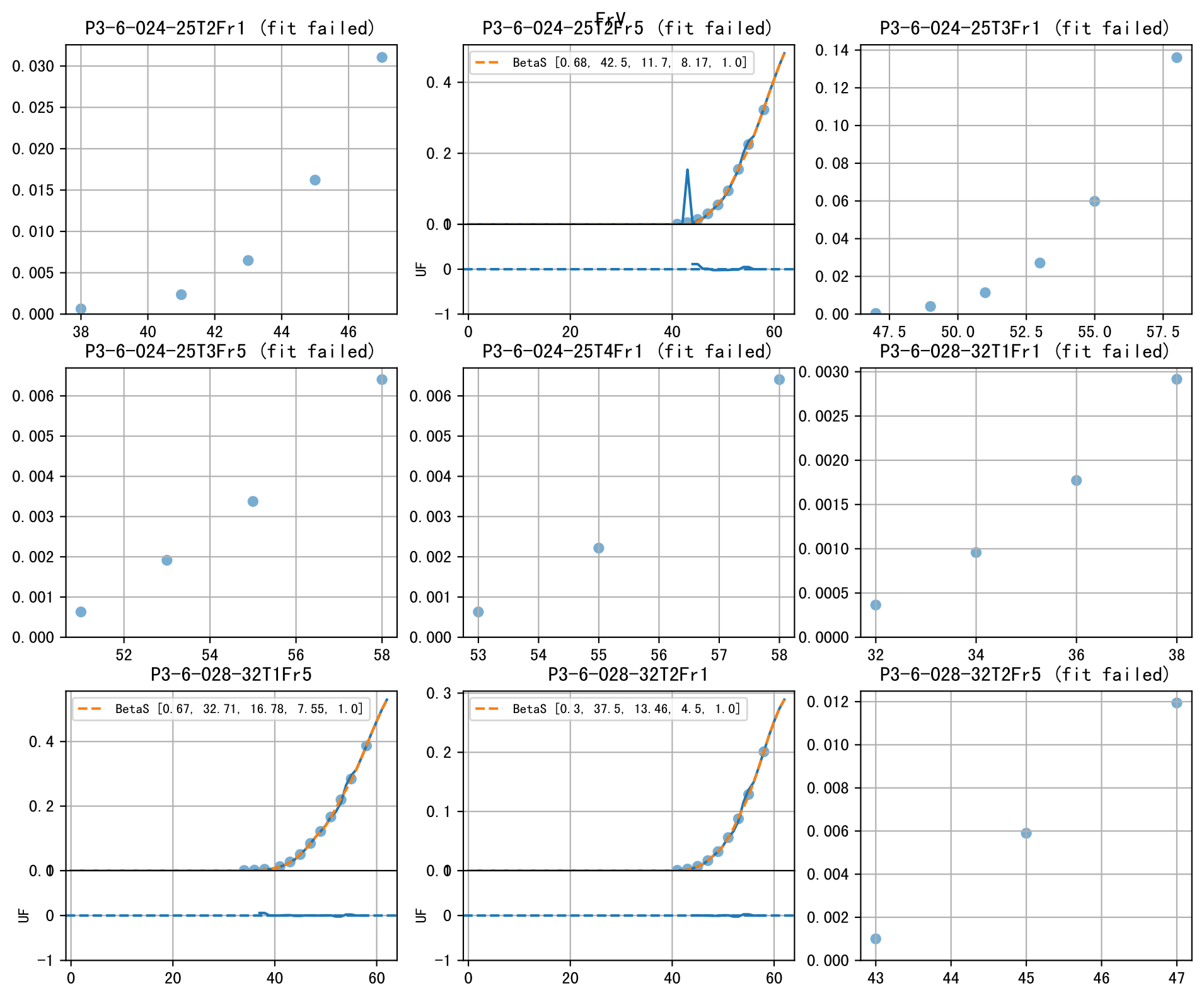

By Start Date
By Plant/Organ Age
P3-6
1.0
0.5
0.0
−0.5
−1.0
32.5
35.0
37.5
40.0
42.5
45.0
47.5
50.0
52.5
0
10
20
30
40

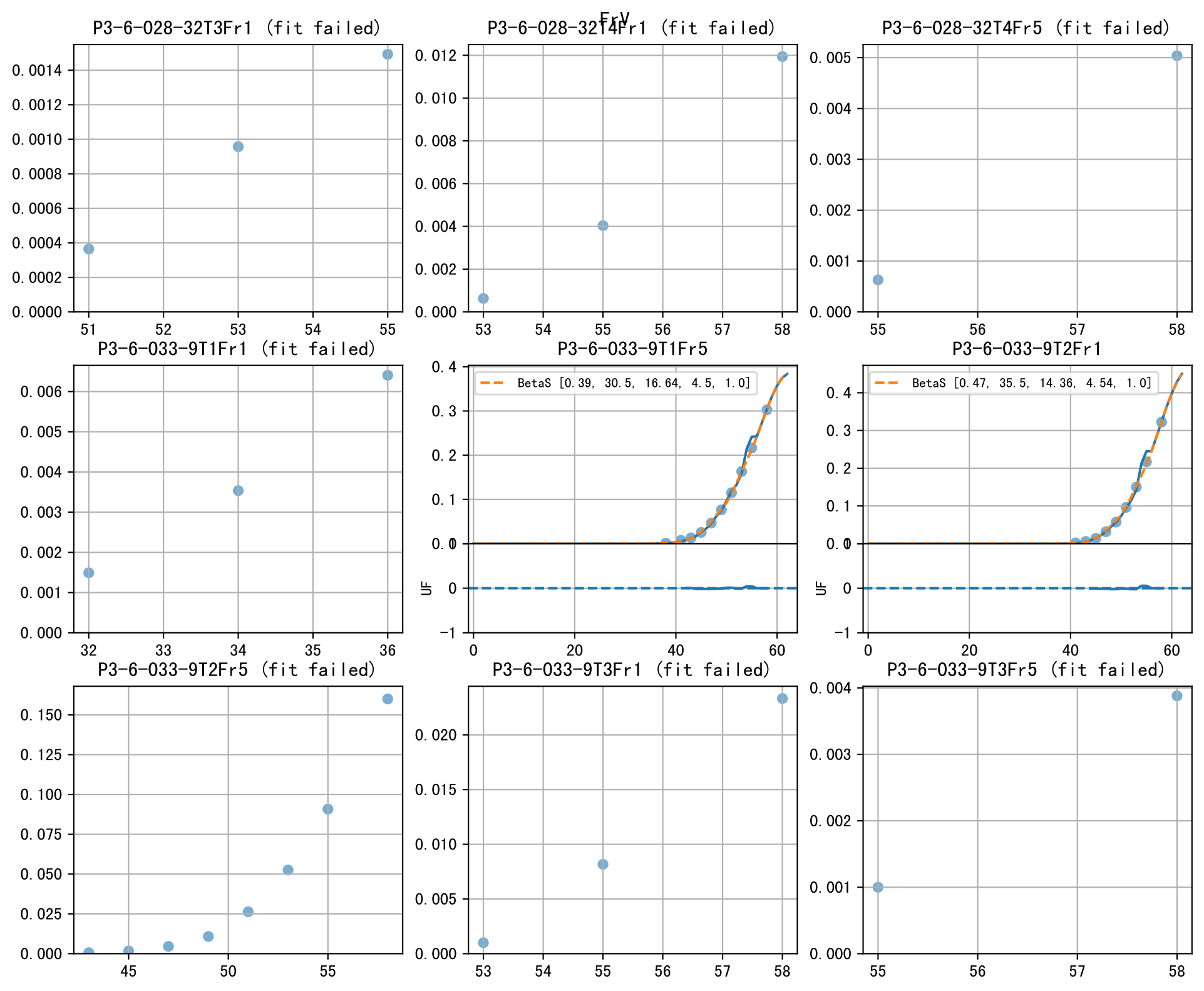

FrV
P3-6-003-24T1Fr1 (fit failed)
P3-6-003-24T1Fr5
BetaS [0.52, 29.5, 15.81, 4.5, 1.0]
UF
P3-6-003-24T2Fr1
BetaS [0.53, 34.5, 15.24, 4.58, 1.0]
UF
P3-6-003-24T2Fr5 (fit failed)
P3-6-003-24T3Fr1 (fit failed)
P3-6-003-24T3Fr5 (fit failed)
P3-6-007-11T1Fr1 (fit failed)
P3-6-007-11T1Fr5 (fit failed)
BetaS [3.14, 31.5, 28.36, 31.39, 1.0]
UF
P3-6-007-11T2Fr1 (fit failed)

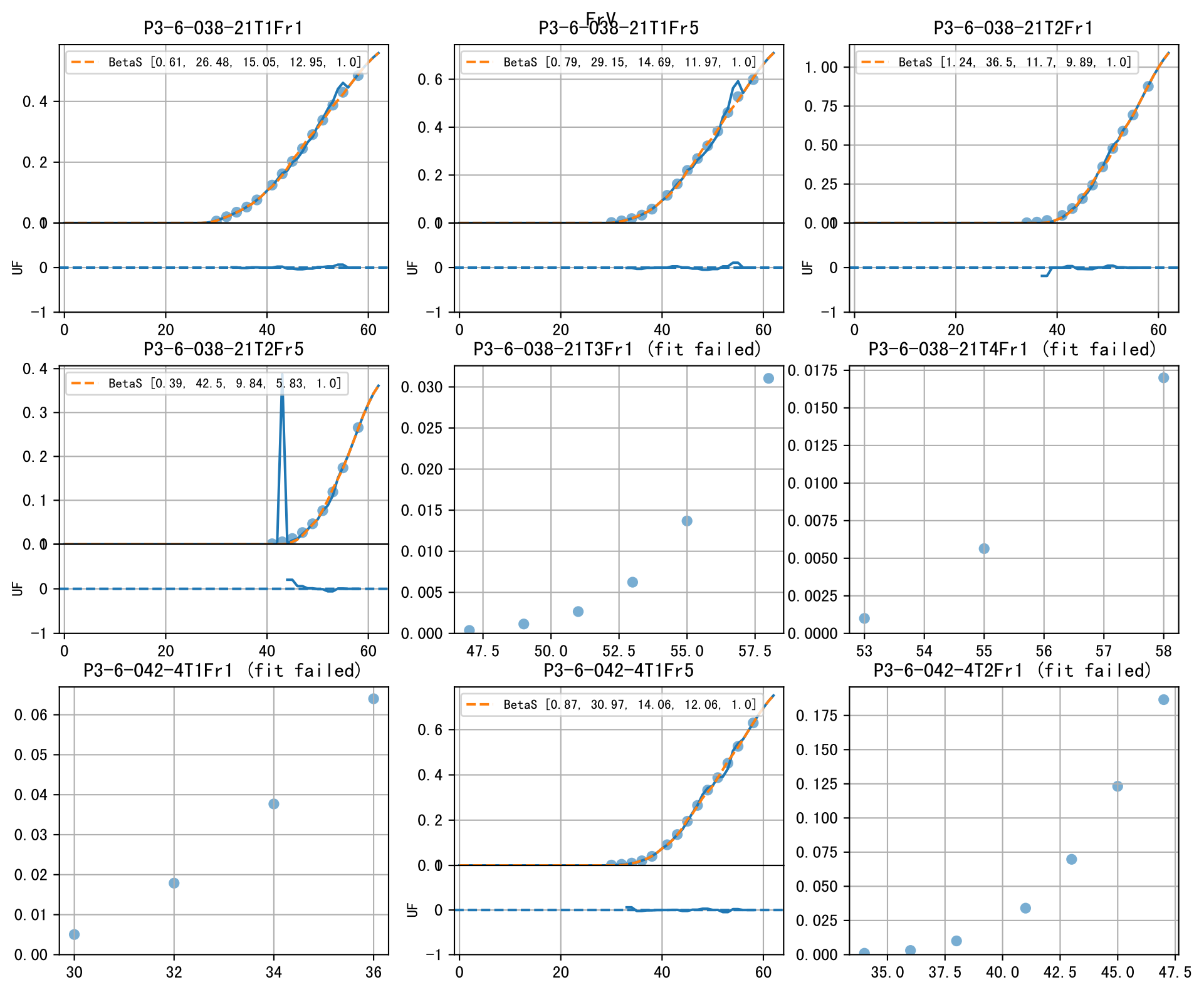

FrV
P3-6-007-11T2Fr5 (fit failed)
P3-6-007-11T3Fr1 (fit failed)
P3-6-007-11T3Fr5 (fit failed)
P3-6-007-11T4Fr1 (fit failed)
P3-6-007-11T4Fr5 (fit failed)
P3-6-011-7T1Fr1 (fit failed)
P3-6-011-7T1Fr5
BetaS [1.28, 31.5, 12.88, 17.0, 1.0]
UF
P3-6-011-7T2Fr1
BetaS [0.61, 31.5, 14.7, 4.51, 1.0]
UF
P3-6-011-7T2Fr5 (fit failed)

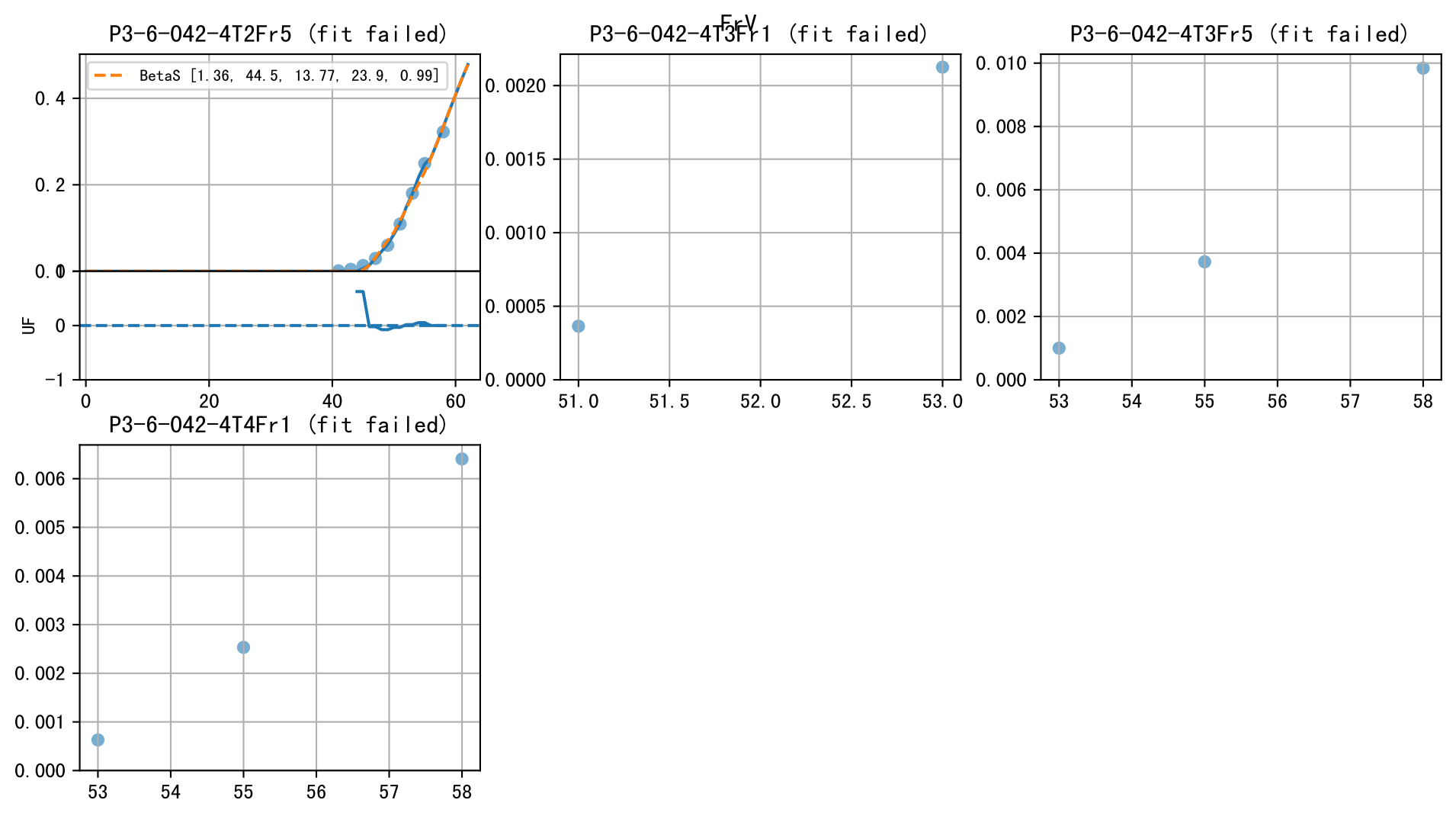

FrV
P3-6-011-7T3Fr1 (fit failed)
P3-6-011-7T3Fr5 (fit failed)
P3-6-011-7T4Fr1 (fit failed)
P3-6-015-30T1Fr1
BetaS [0.76, 28.5, 12.65, 7.79, 1.0]
P3-6-015-30T1Fr5 (fit failed)
BetaS [4.54, 29.5, 36.51, 11.24, 1.0]
P3-6-015-30T2Fr1
BetaS [0.4, 38.54, 11.69, 4.5, 1.0]
P3-6-015-30T2Fr5
BetaS [0.33, 41.5, 11.14, 6.39, 1.0]
P3-6-015-30T3Fr1 (fit failed)
P3-6-015-30T4Fr1 (fit failed)
UF

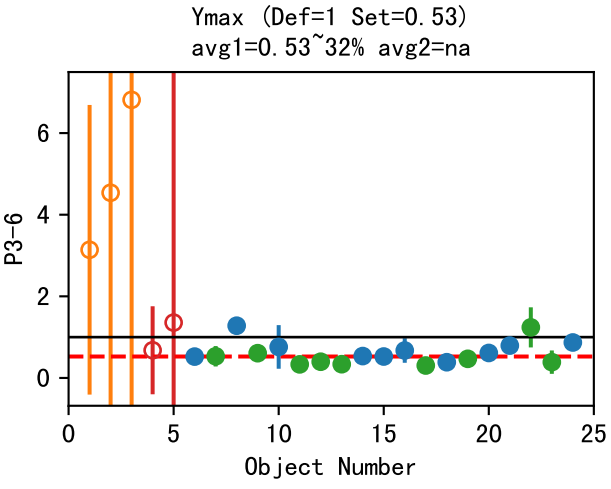

FrV
P3-6-019-12T1Fr1 (fit failed)
P3-6-019-12T1Fr5 (fit failed)
BetaS [6.81, 38.06, 54.0, 39.72, 1.0]
P3-6-019-12T2Fr1 (fit failed)
P3-6-019-12T2Fr5
BetaS [0.34, 39.63, 11.62, 4.5, 1.0]
P3-6-019-12T3Fr1 (fit failed)
P3-6-019-12T3Fr5 (fit failed)
P3-6-019-12T4Fr1 (fit failed)
P3-6-024-25T1Fr1
BetaS [0.53, 27.5, 13.77, 7.27, 1.0]
P3-6-024-25T1Fr5
BetaS [0.54, 28.08, 14.52, 6.78, 1.0]
UF

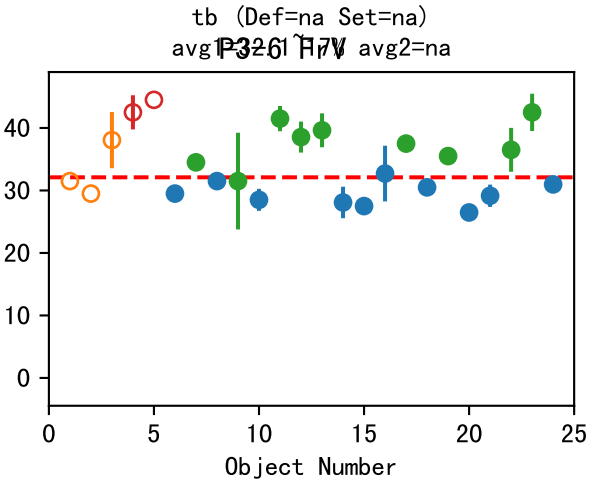

FrV
P3-6-024-25T2Fr1 (fit failed)
P3-6-024-25T2Fr5 (fit failed)
BetaS [0.68, 42.5, 11.7, 8.17, 1.0]
UF
P3-6-024-25T3Fr1 (fit failed)
P3-6-024-25T3Fr5 (fit failed)
P3-6-024-25T4Fr1 (fit failed)
P3-6-028-32T1Fr1 (fit failed)
P3-6-028-32T1Fr5
BetaS [0.67, 32.71, 16.78, 7.55, 1.0]
P3-6-028-32T2Fr1
BetaS [0.3, 37.5, 13.46, 4.5, 1.0]
P3-6-028-32T2Fr5 (fit failed)

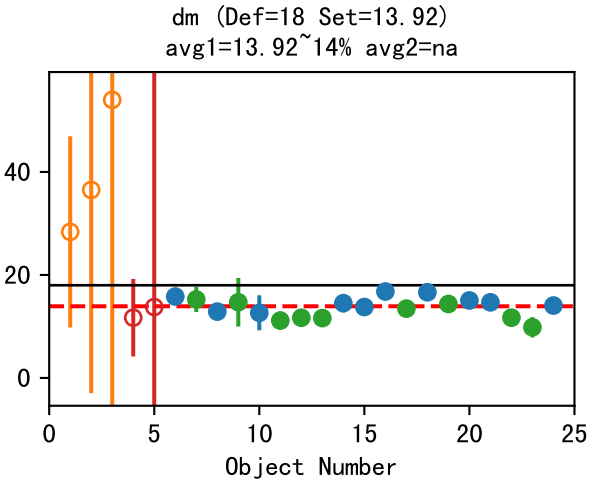

FrV
P3-6-028-32T3Fr1 (fit failed)
P3-6-028-32T4Fr1 (fit failed)
P3-6-028-32T4Fr5 (fit failed)
P3-6-033-9T1Fr1 (fit failed)
P3-6-033-9T1Fr5
BetaS [0.39, 30.5, 16.64, 4.5, 1.0]
UF
P3-6-033-9T2Fr1
BetaS [0.47, 35.5, 14.36, 4.54, 1.0]
UF
P3-6-033-9T2Fr5 (fit failed)
P3-6-033-9T3Fr1 (fit failed)
P3-6-033-9T3Fr5 (fit failed)

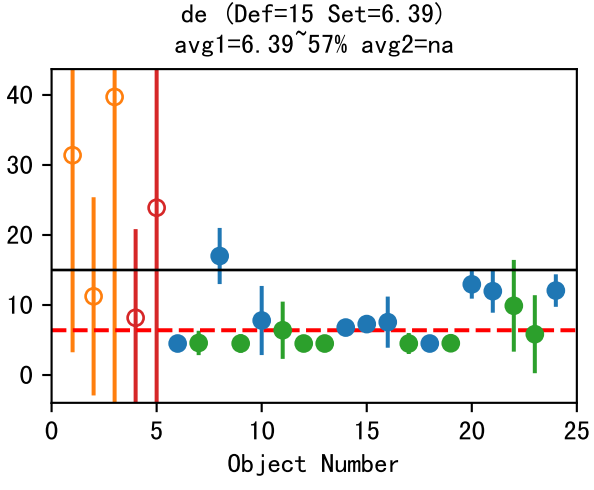

FrV
P3-6-038-21T1Fr1
BetaS [0.61, 26.48, 15.05, 12.95, 1.0]
P3-6-038-21T1Fr5
BetaS [0.79, 29.15, 14.69, 11.97, 1.0]
P3-6-038-21T2Fr1
BetaS [1.24, 36.5, 11.7, 9.89, 1.0]
P3-6-038-21T2Fr5
BetaS [0.39, 42.5, 9.84, 5.83, 1.0]
P3-6-038-21T3Fr1 (fit failed)
P3-6-038-21T4Fr1 (fit failed)
P3-6-042-4T1Fr1 (fit failed)
P3-6-042-4T1Fr5
BetaS [0.87, 30.97, 14.06, 12.06, 1.0]
P3-6-042-4T2Fr1 (fit failed)
UF

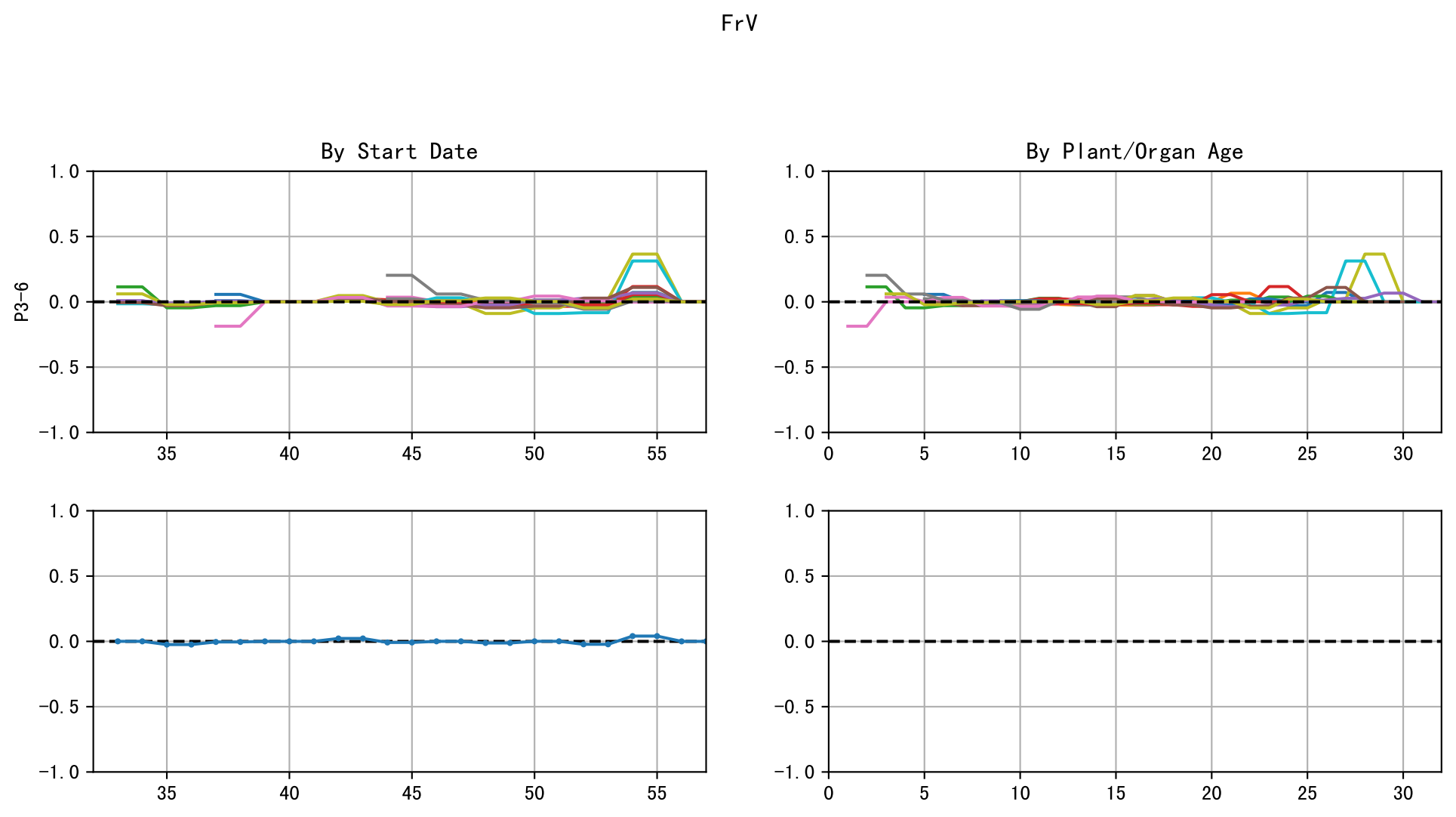

FrV
P3-6-042-4T2Fr5 (fit failed)
BetaS [1.36, 44.5, 13.77, 23.9, 0.99]
UF
P3-6-042-4T3Fr1 (fit failed)
P3-6-042-4T3Fr5 (fit failed)
P3-6-042-4T4Fr1 (fit failed)

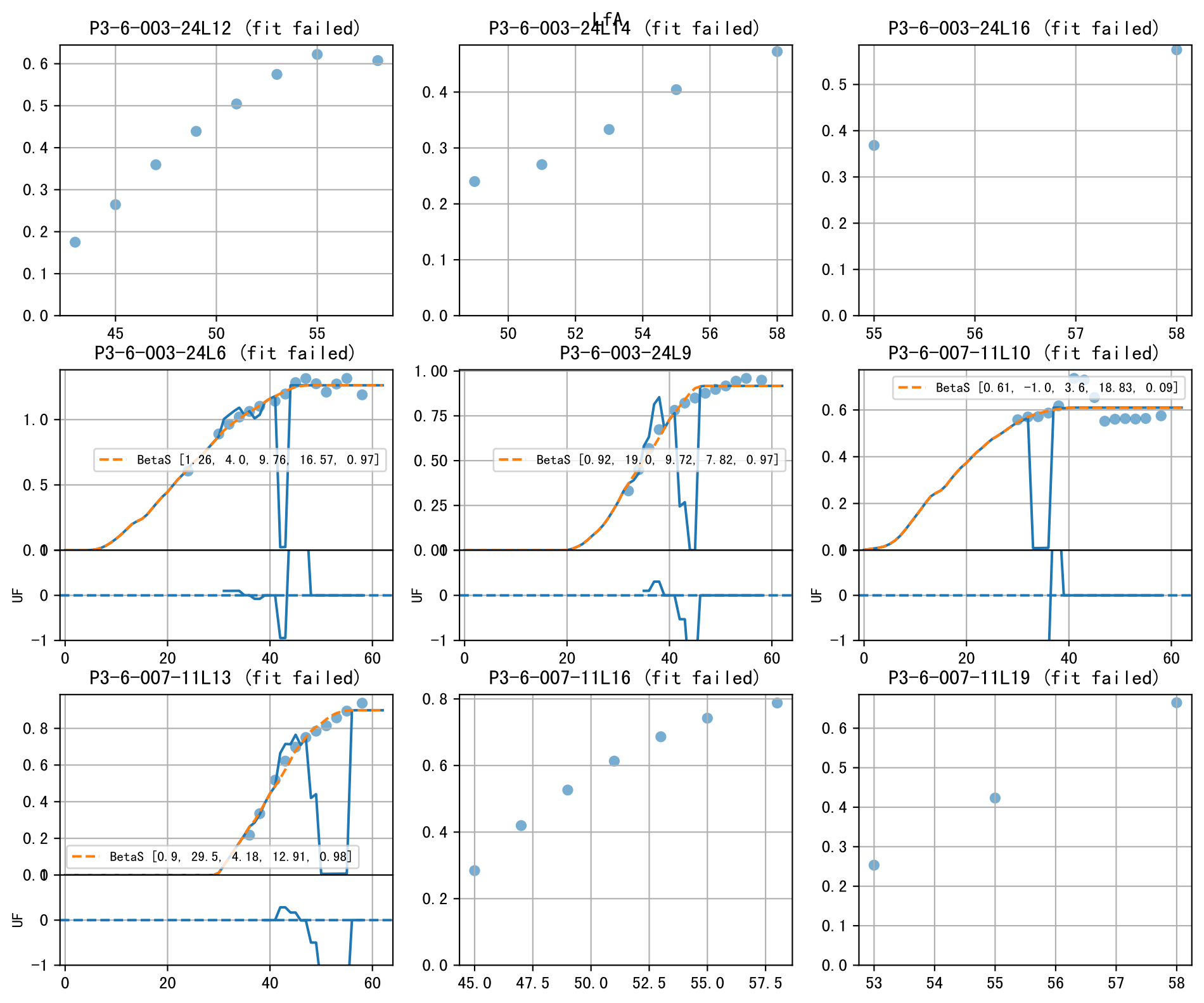

Ymax (Def=1 Set=0.53)
avg1=0.53~32% avg2=na
P3-6
Object Number

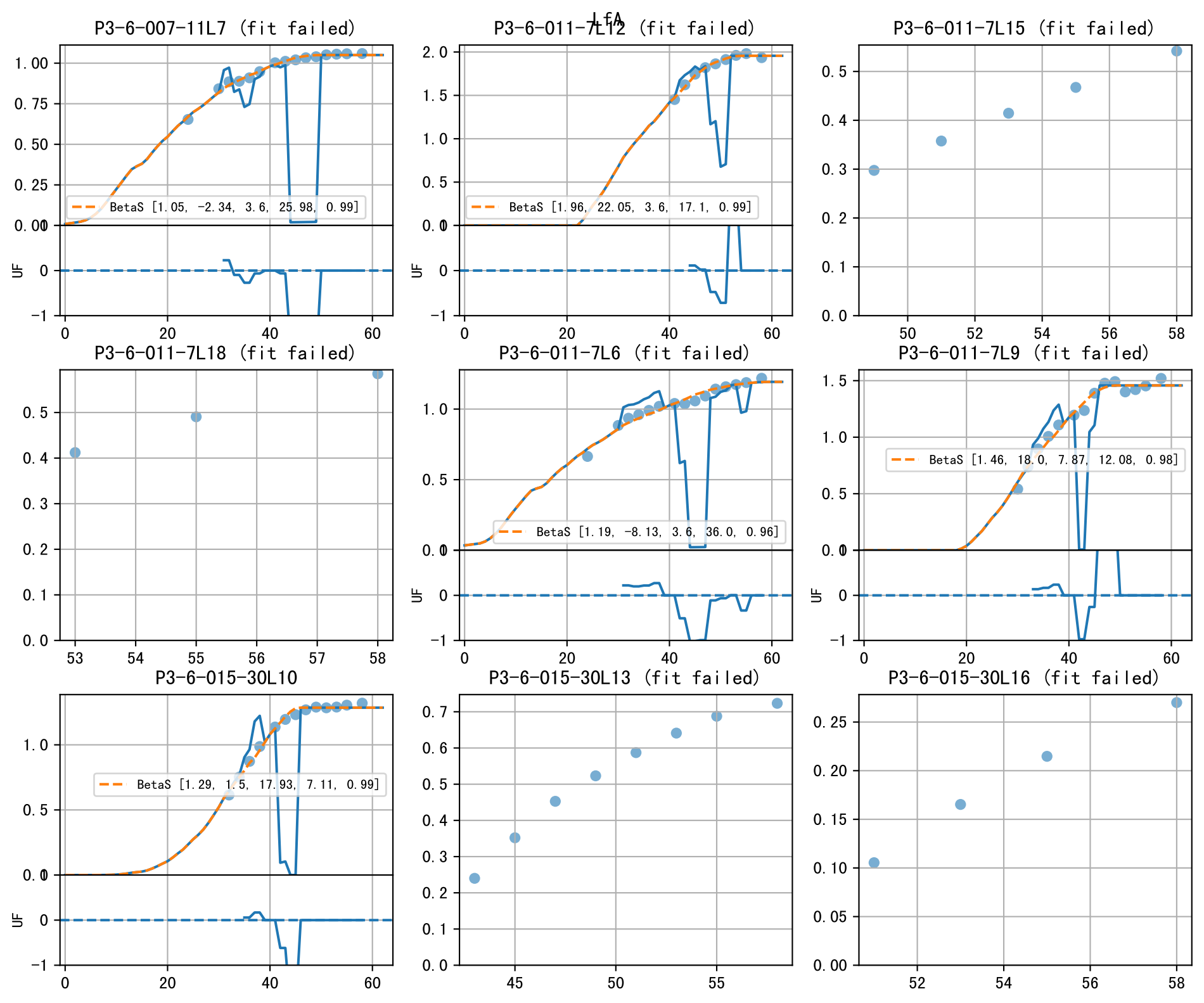

tb (Def=na Set=na)
avg1=na avg2=na
Object Number

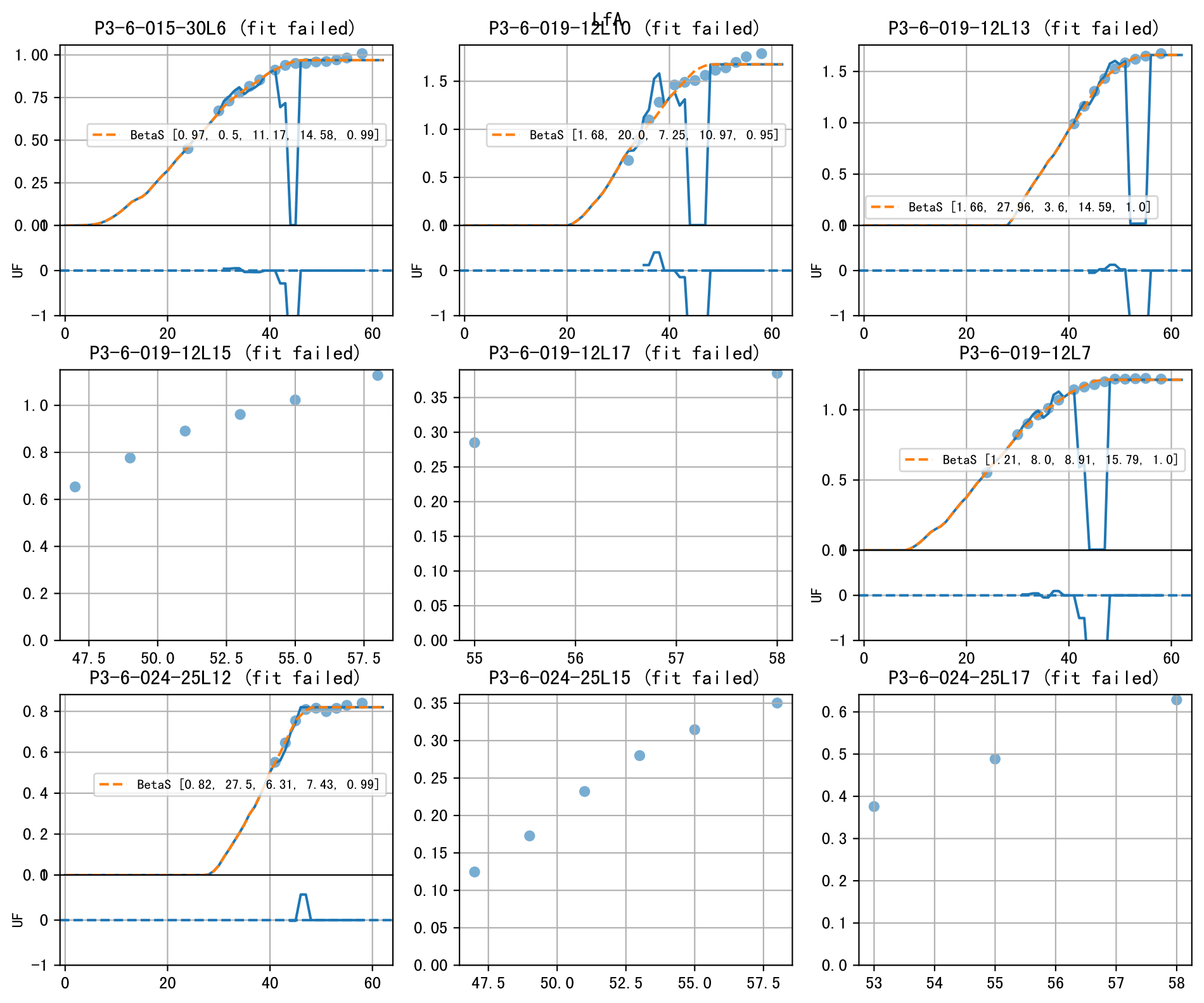

dm (Def=18 Set=13.92)
avg1=13.92~14% avg2=na
Object Number

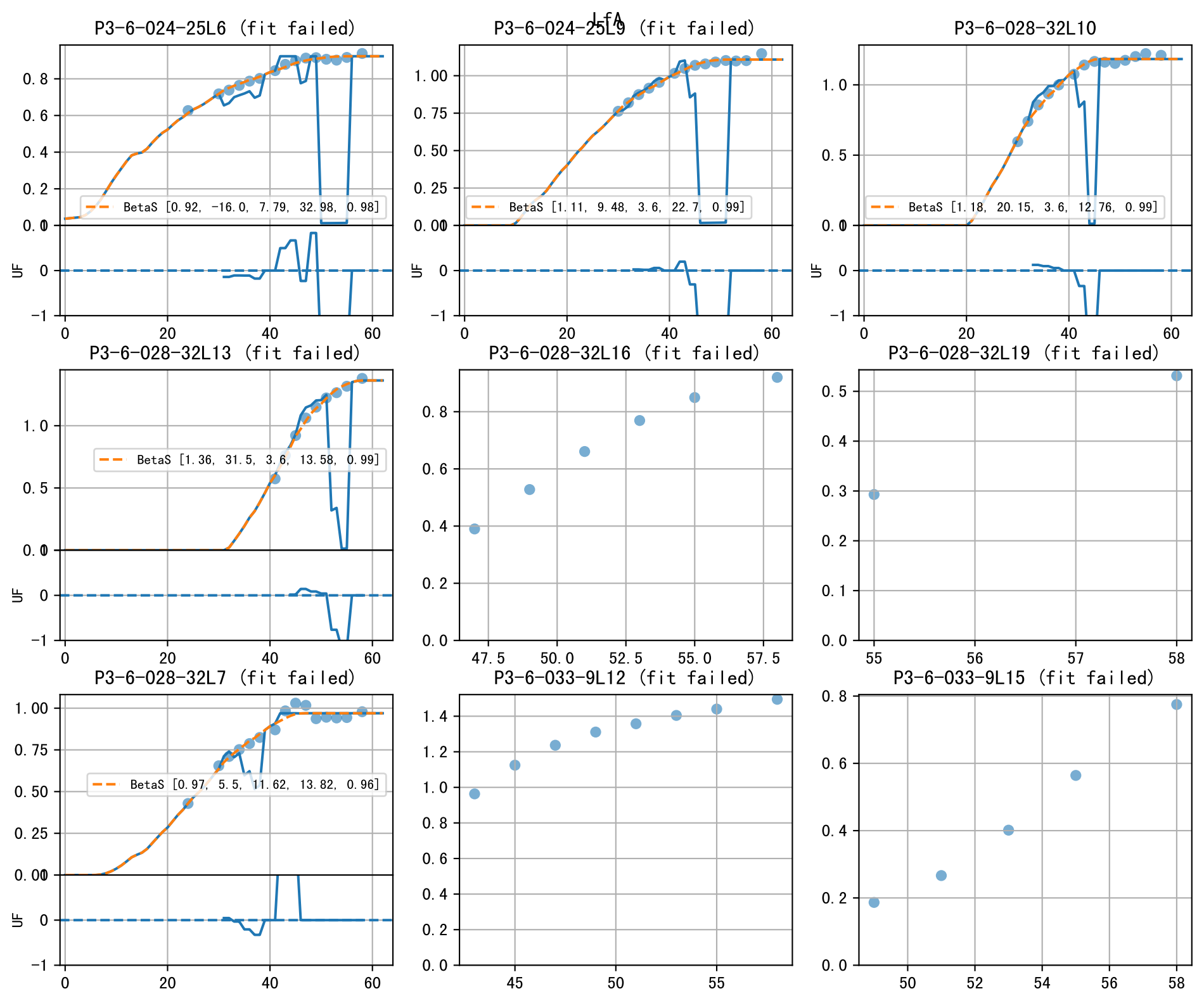

de (Def=15 Set=6.39)
avg1=6.39~57% avg2=na
Object Number

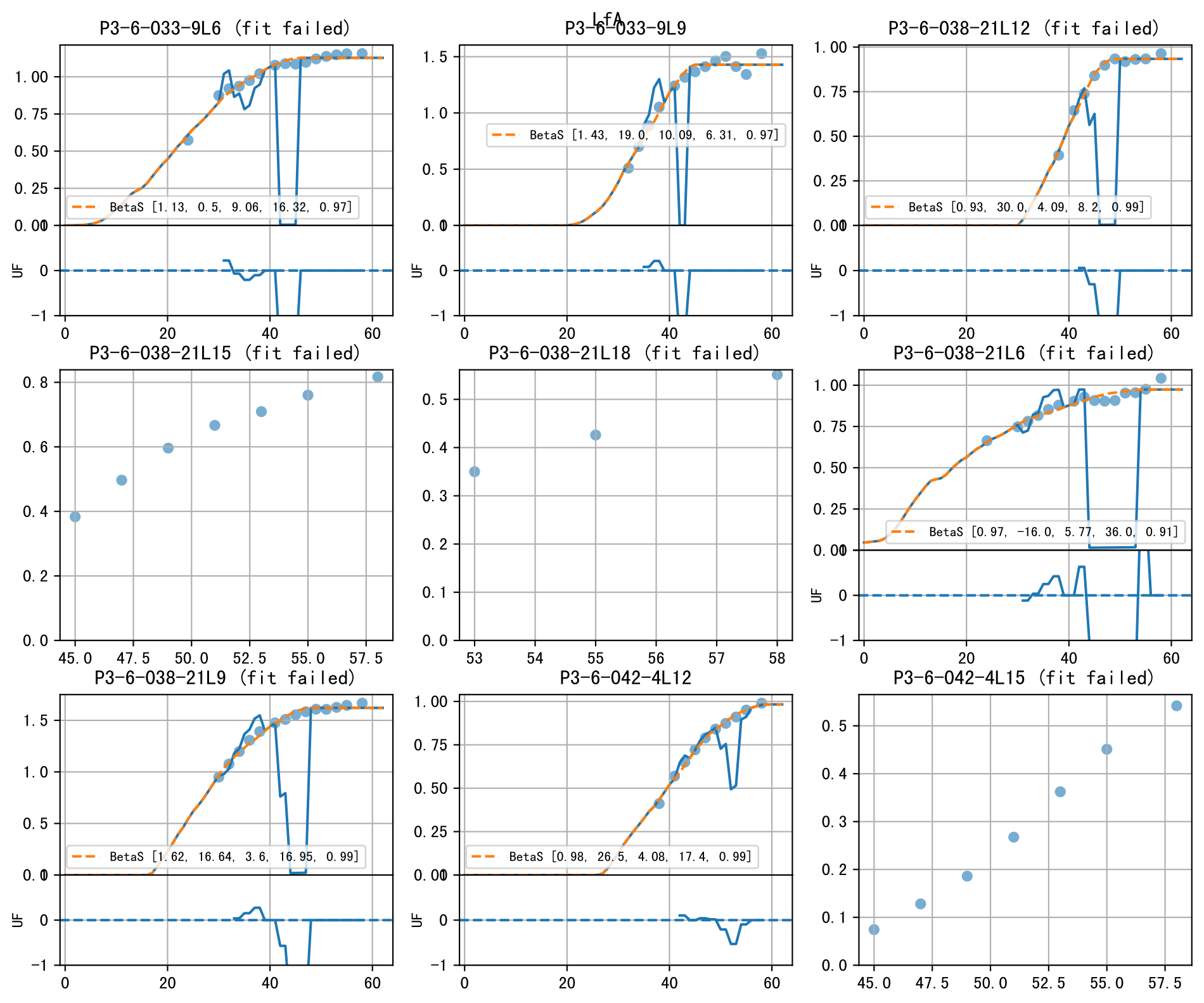

FrV
By Start Date
By Plant/Organ Age
P3-6
1.0
0.5
0.0
−0.5
−1.0
35
40
45
50
55
0
5
10
15
20
25
30

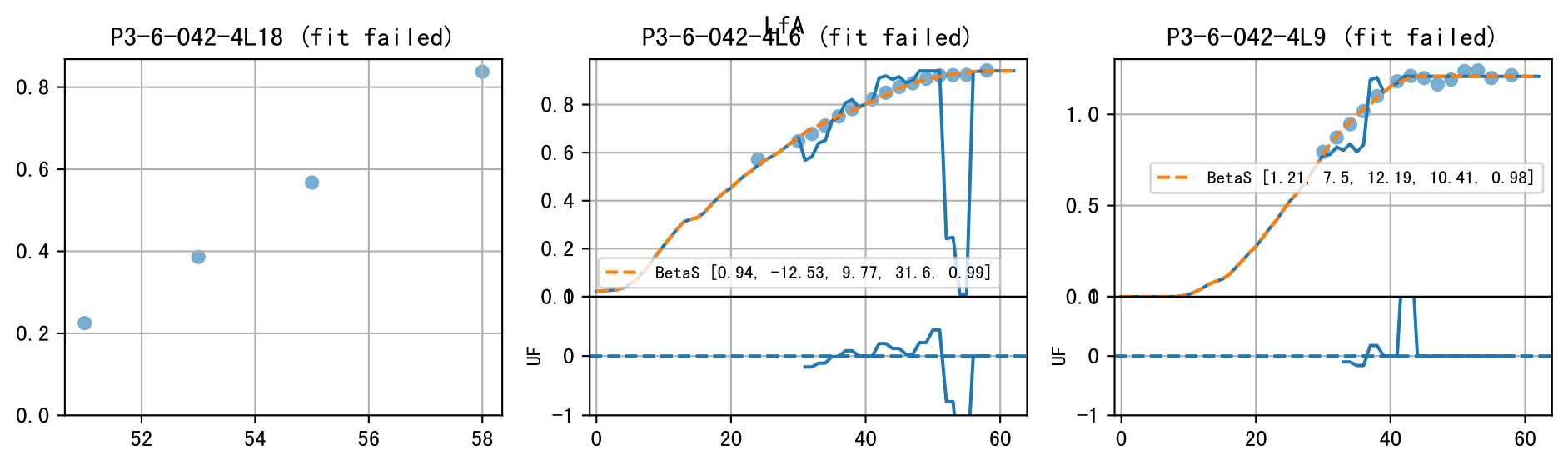

LfA
P3-6-003-24L12 (fit failed)
P3-6-003-24L14 (fit failed)
P3-6-003-24L16 (fit failed)
P3-6-003-24L6 (fit failed)
BetaS [1.26, 4.0, 9.76, 16.57, 0.97]
P3-6-003-24L9
BetaS [0.92, 19.0, 9.72, 7.82, 0.97]
P3-6-007-11L10 (fit failed)
BetaS [0.61, -1.0, 3.6, 18.83, 0.09]
P3-6-007-11L13 (fit failed)
BetaS [0.9, 29.5, 4.18, 12.91, 0.98]
P3-6-007-11L16 (fit failed)
P3-6-007-11L19 (fit failed)
UF

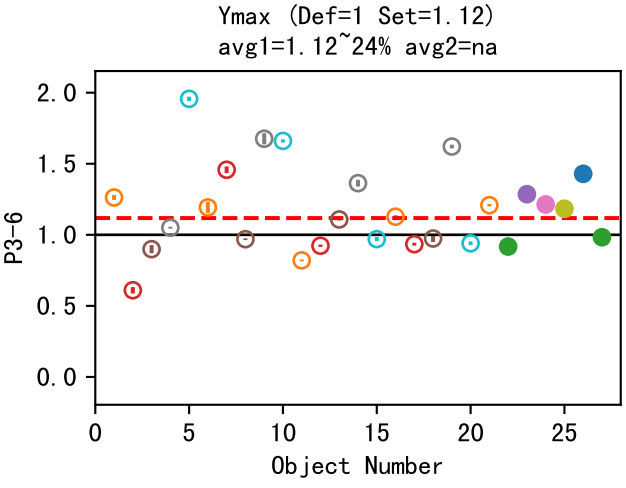

LfA
P3-6-007-11L7 (fit failed)
BetaS [1.05, -2.34, 3.6, 25.98, 0.99]
UF
P3-6-011-7L12 (fit failed)
BetaS [1.96, 22.05, 3.6, 17.1, 0.99]
UF
P3-6-011-7L15 (fit failed)
P3-6-011-7L18 (fit failed)
P3-6-011-7L6 (fit failed)
BetaS [1.19, -8.13, 3.6, 36.0, 0.96]
UF
P3-6-011-7L9 (fit failed)
BetaS [1.46, 18.0, 7.87, 12.08, 0.98]
UF
P3-6-015-30L10
BetaS [1.29, 1.5, 17.93, 7.11, 0.99]
UF
P3-6-015-30L13 (fit failed)
P3-6-015-30L16 (fit failed)

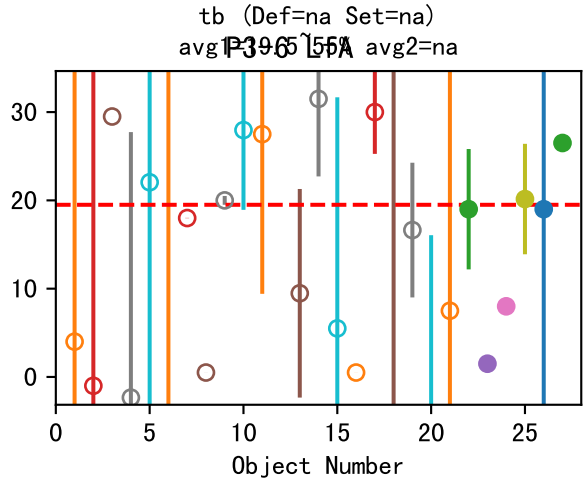

LfA
P3-6-015-30L6 (fit failed)
BetaS [0.97, 0.5, 11.17, 14.58, 0.99]
P3-6-019-12L10 (fit failed)
BetaS [1.68, 20.0, 7.25, 10.97, 0.95]
P3-6-019-12L13 (fit failed)
BetaS [1.66, 27.96, 3.6, 14.59, 1.0]
P3-6-019-12L15 (fit failed)
P3-6-019-12L17 (fit failed)
P3-6-019-12L7
BetaS [1.21, 8.0, 8.91, 15.79, 1.0]
P3-6-024-25L12 (fit failed)
BetaS [0.82, 27.5, 6.31, 7.43, 0.99]
P3-6-024-25L15 (fit failed)
P3-6-024-25L17 (fit failed)
UF

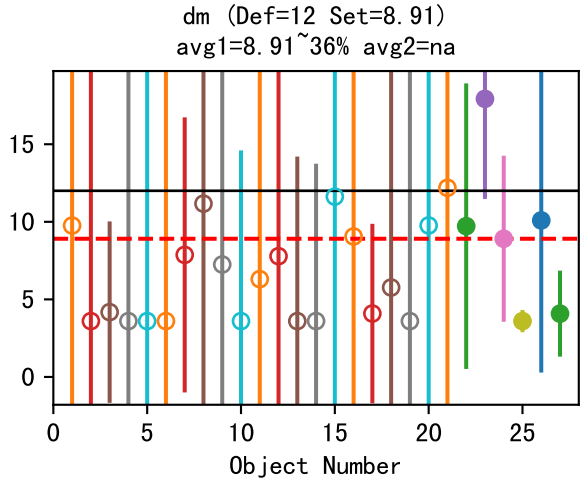

LfA
P3-6-024-25L6 (fit failed)
BetaS [0.92, -16.0, 7.79, 32.98, 0.98]
P3-6-024-25L9 (fit failed)
BetaS [1.11, 9.48, 3.6, 22.7, 0.99]
P3-6-028-32L10
BetaS [1.18, 20.15, 3.6, 12.76, 0.99]
P3-6-028-32L13 (fit failed)
BetaS [1.36, 31.5, 3.6, 13.58, 0.99]
P3-6-028-32L16 (fit failed)
P3-6-028-32L19 (fit failed)
P3-6-028-32L7 (fit failed)
BetaS [0.97, 5.5, 11.62, 13.82, 0.96]
P3-6-033-9L12 (fit failed)
P3-6-033-9L15 (fit failed)
UF

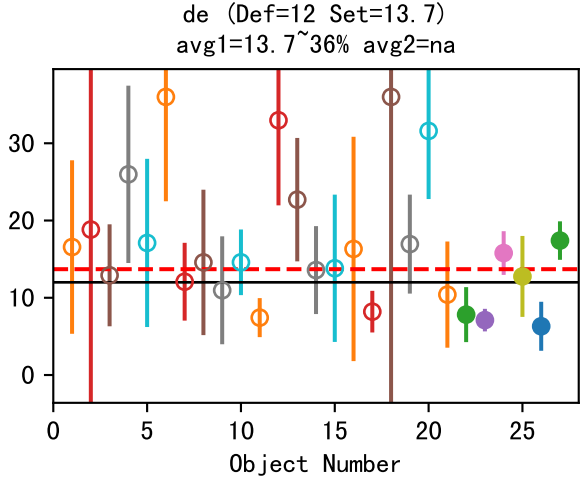

LfA
P3-6-033-9L6 (fit failed)
BetaS [1.13, 0.5, 9.06, 16.32, 0.97]
P3-6-033-9L9
BetaS [1.43, 19.0, 10.09, 6.31, 0.97]
P3-6-038-21L12 (fit failed)
BetaS [0.93, 30.0, 4.09, 8.2, 0.99]
P3-6-038-21L15 (fit failed)
P3-6-038-21L18 (fit failed)
P3-6-038-21L6 (fit failed)
BetaS [0.97, -16.0, 5.77, 36.0, 0.91]
P3-6-038-21L9 (fit failed)
BetaS [1.62, 16.64, 3.6, 16.95, 0.99]
P3-6-042-4L12
BetaS [0.98, 26.5, 4.08, 17.4, 0.99]
P3-6-042-4L15 (fit failed)
UF

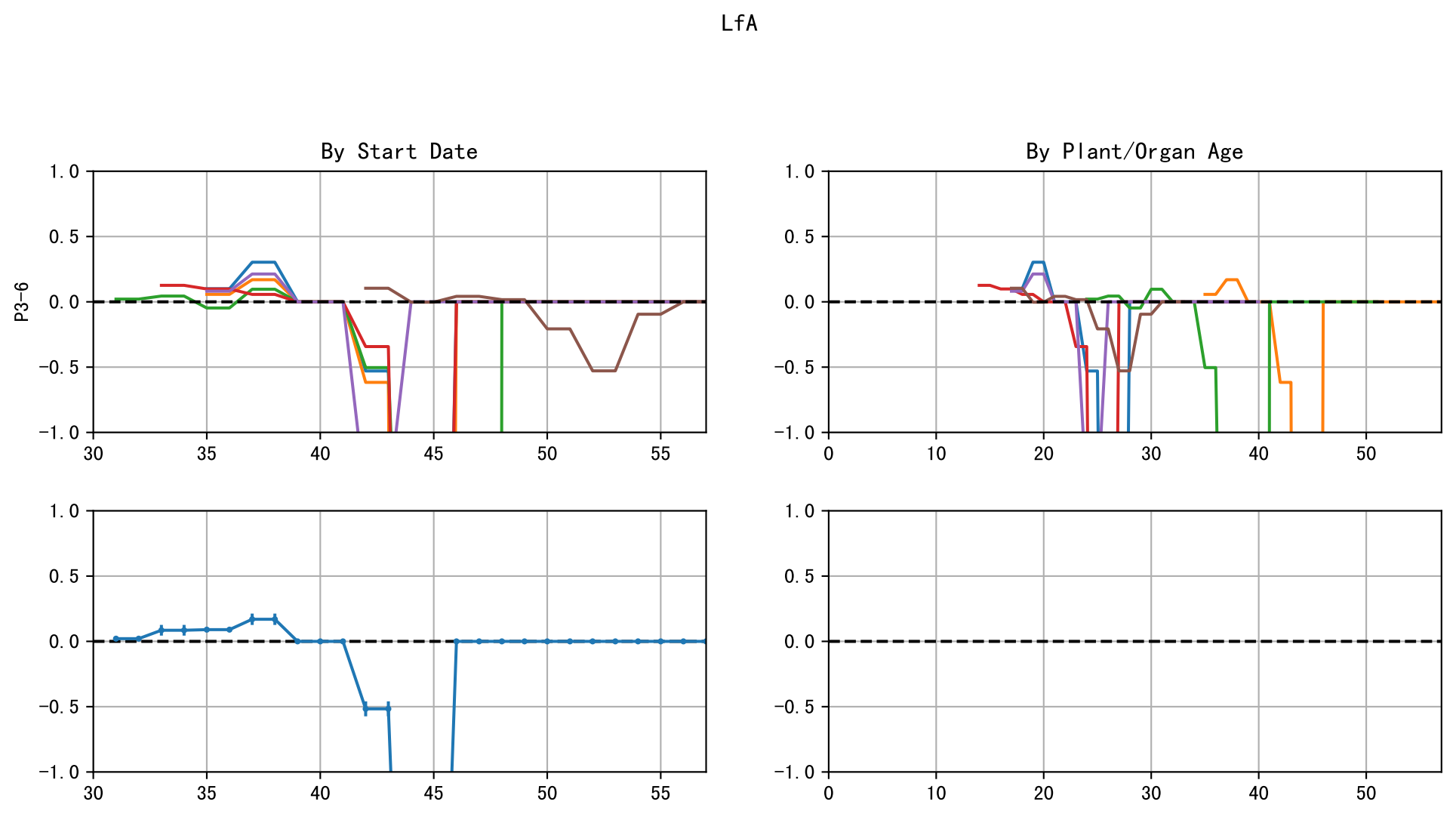

LfA
P3-6-042-4L18 (fit failed)
P3-6-042-4L6 (fit failed)
P3-6-042-4L9 (fit failed)
BetaS [0.94, -12.53, 9.77, 31.6, 0.99]
BetaS [1.21, 7.5, 12.19, 10.41, 0.98]
UF

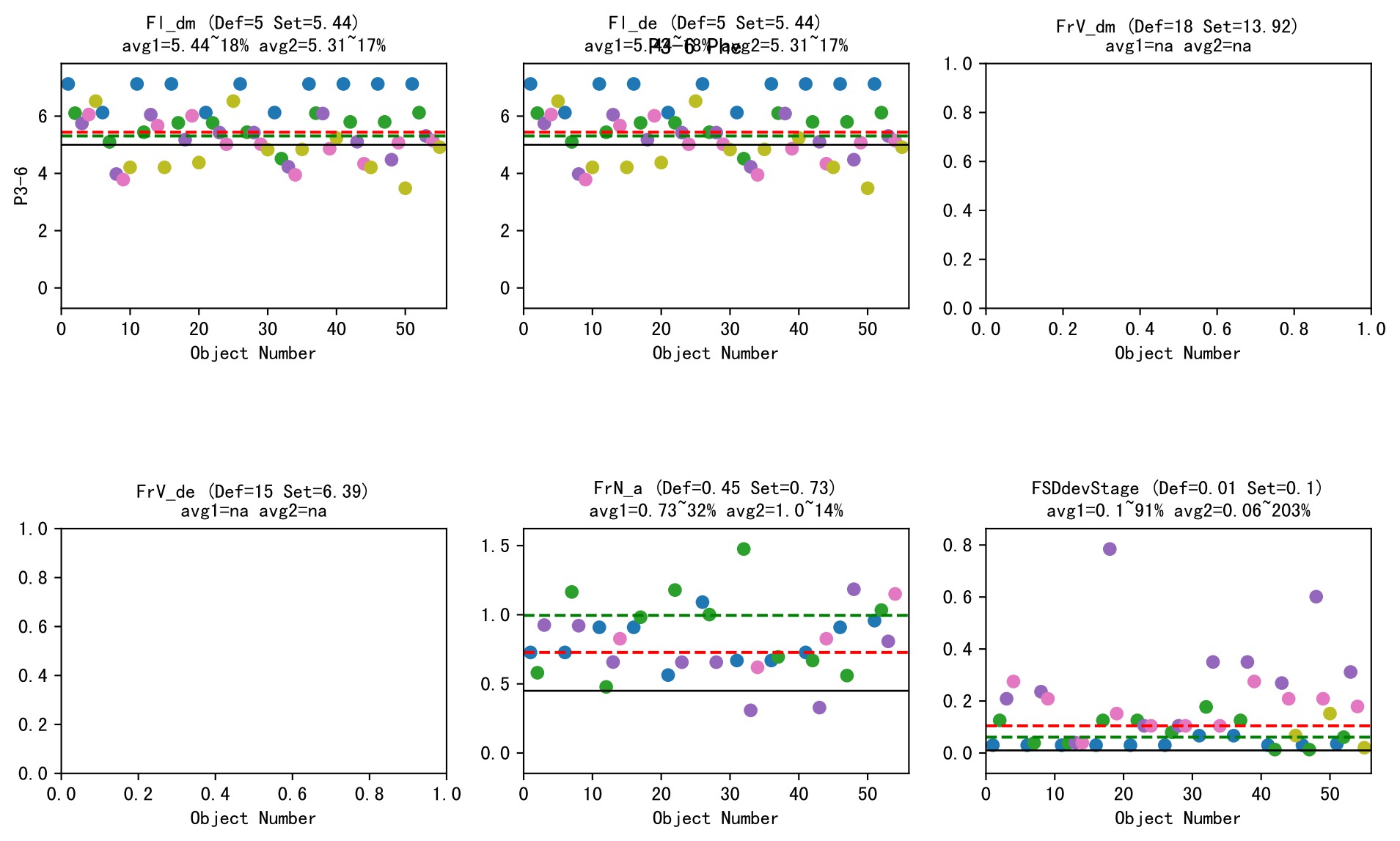

Ymax (Def=1 Set=1.12)
avg1=1.12~24% avg2=na
P3-6
Object Number

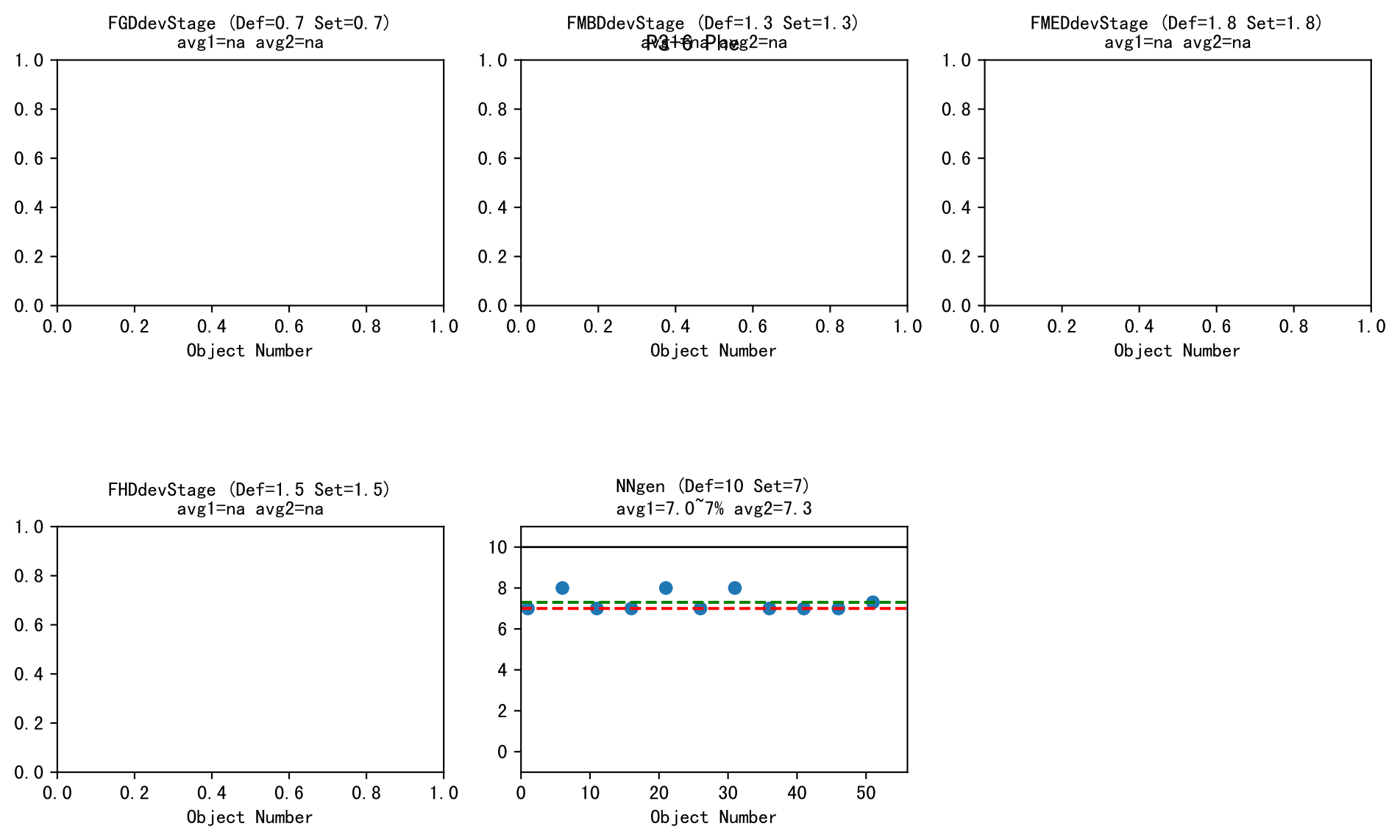

tb (Def=na Set=na)
avg1=39.5~55% avg2=na
Object Number

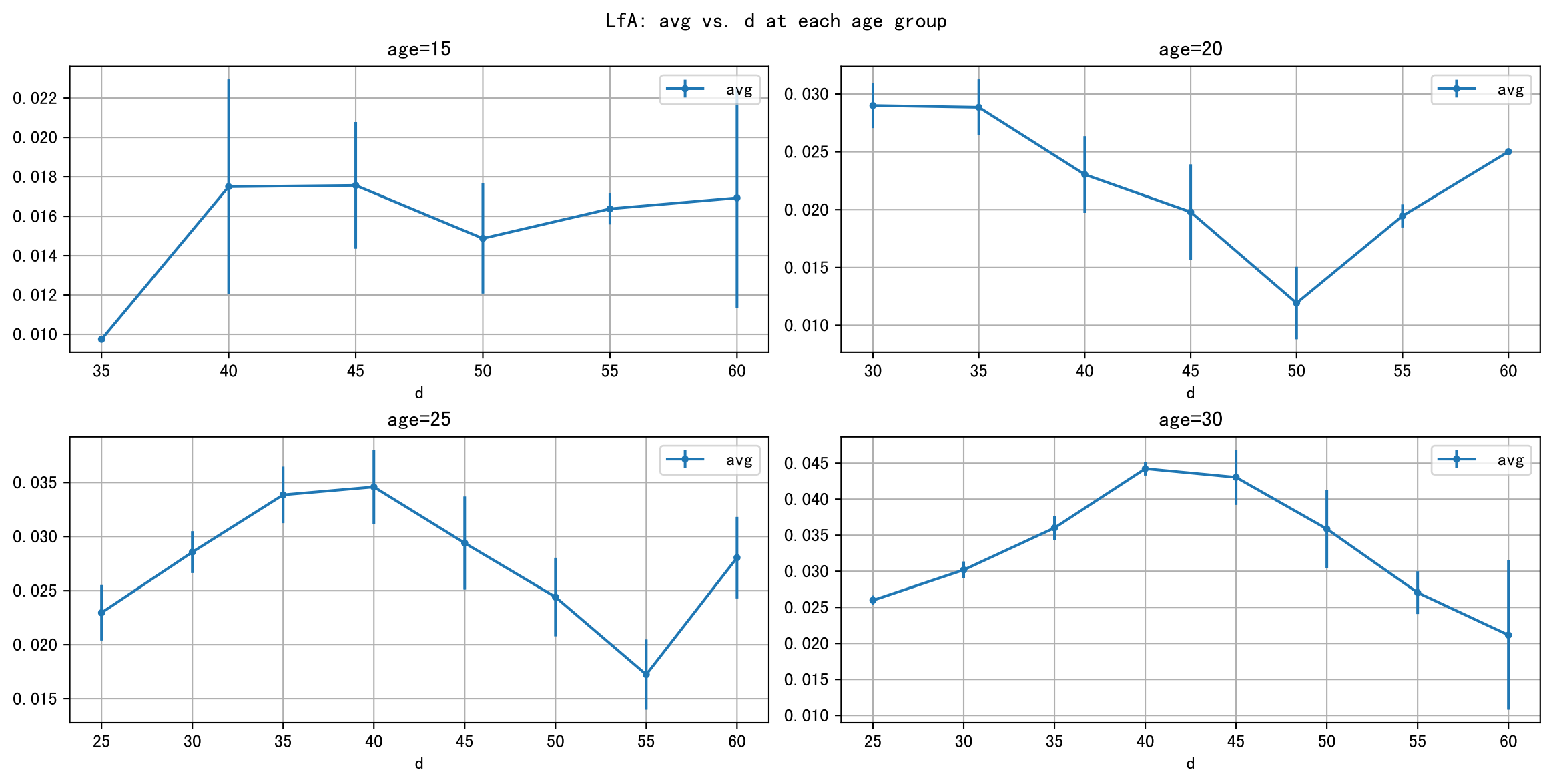

dm (Def=12 Set=8.91)
avg1=8.91~36% avg2=na
Object Number

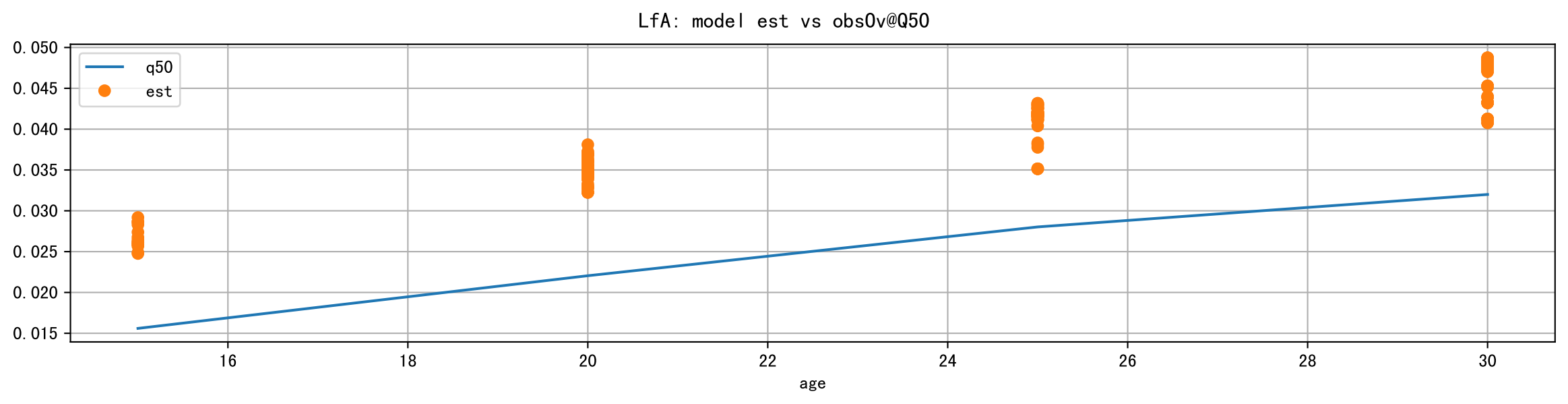

de (Def=12 Set=13.7)
avg1=13.7~36% avg2=na
Object Number

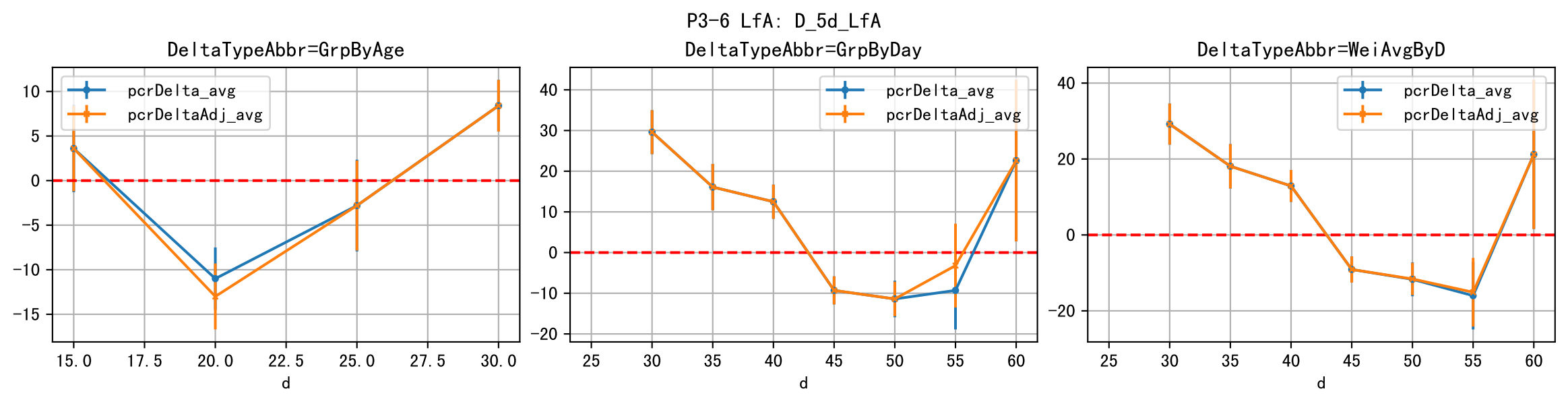

LfA
By Start Date
By Plant/Organ Age
P3-6
1.0
0.5
0.0
−0.5
−1.0
30
35
40
45
50
55
0
10
20
30
40
50

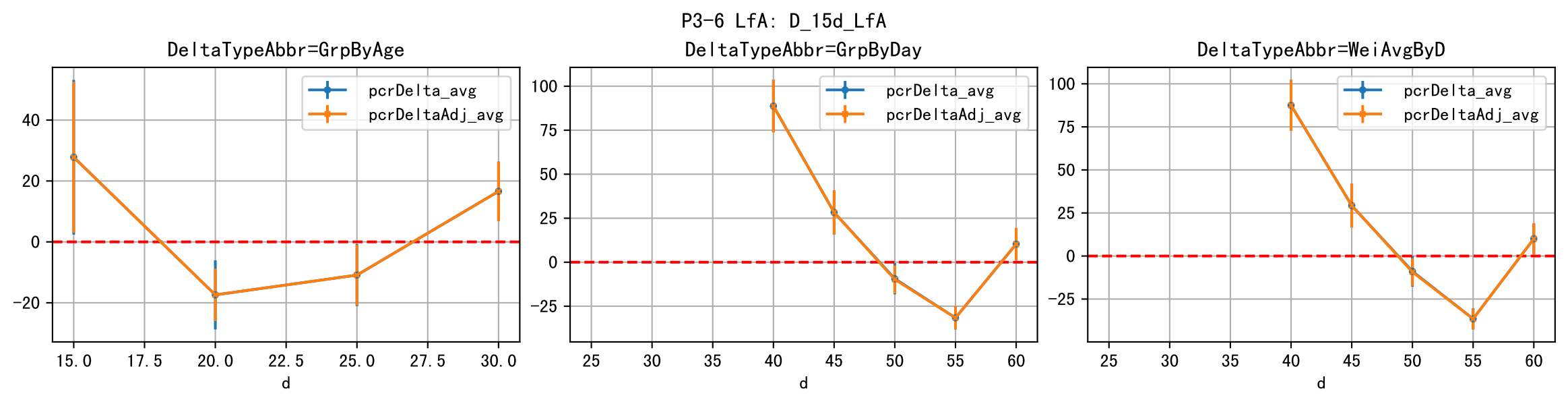

Fl_dm (Def=5 Set=5.44)
avg1=5.44~18% avg2=5.31~17%
Fl_de (Def=5 Set=5.44)
avg1=5.44~18% avg2=5.31~17%
FrV_dm (Def=18 Set=13.92)
avg1=na avg2=na
FrV_de (Def=15 Set=6.39)
avg1=na avg2=na
FrN_a (Def=0.45 Set=0.73)
avg1=0.73~32% avg2=1.0~14%
FSDdevStage (Def=0.01 Set=0.1)
avg1=0.1~91% avg2=0.06~203%
P3-6
Object Number

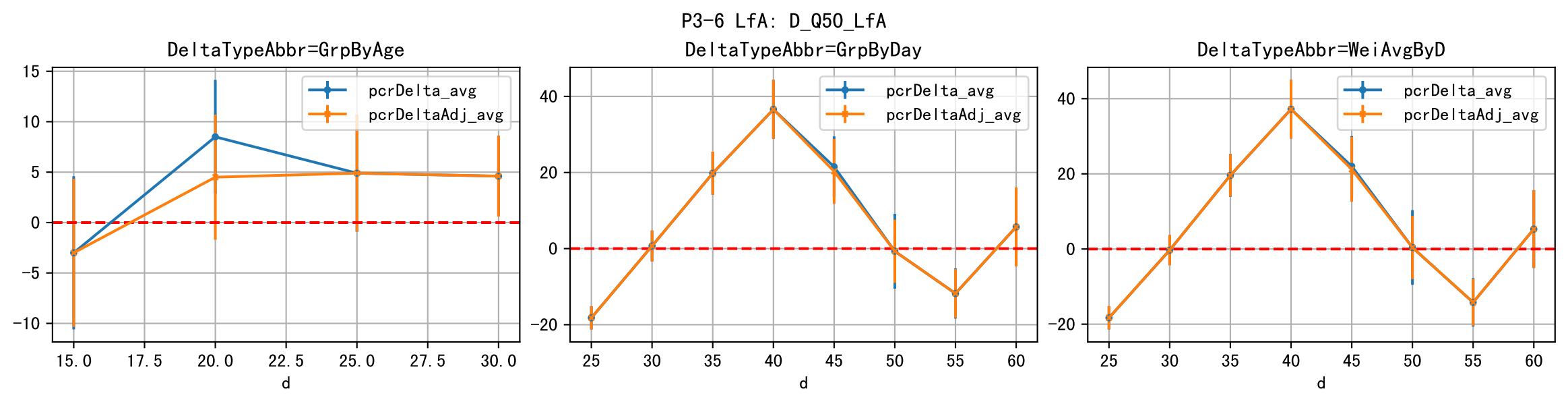

FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na
FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na
NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3
Object Number

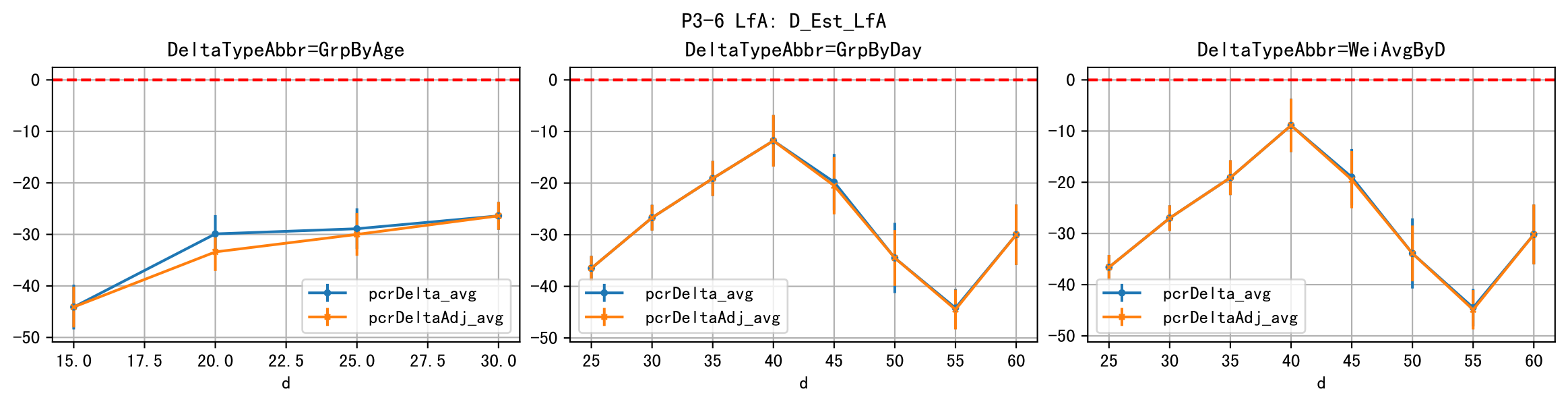

LfA: avg vs. d at each age group
age=15
avg
0.022
0.020
0.018
0.016
0.014
0.012
0.010
35
40
45
50
55
60
d
age=20
avg
0.030
0.025
0.020
0.015
0.010
30
35
40
45
50
55
60
d
age=25
avg
0.035
0.030
0.025
0.020
0.015
25
30
35
40
45
50
55
60
d
age=30
avg
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
25
30
35
40
45
50
55
60
d

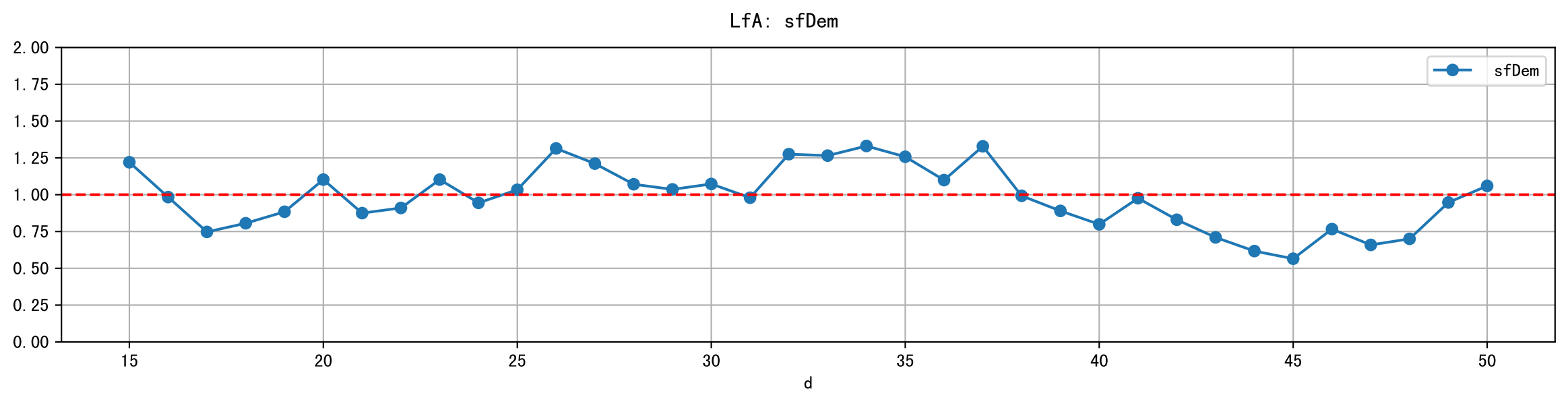

LfA: model est vs obsOv@Q50
q50
est
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
16
18
20
22
24
26
28
30
age

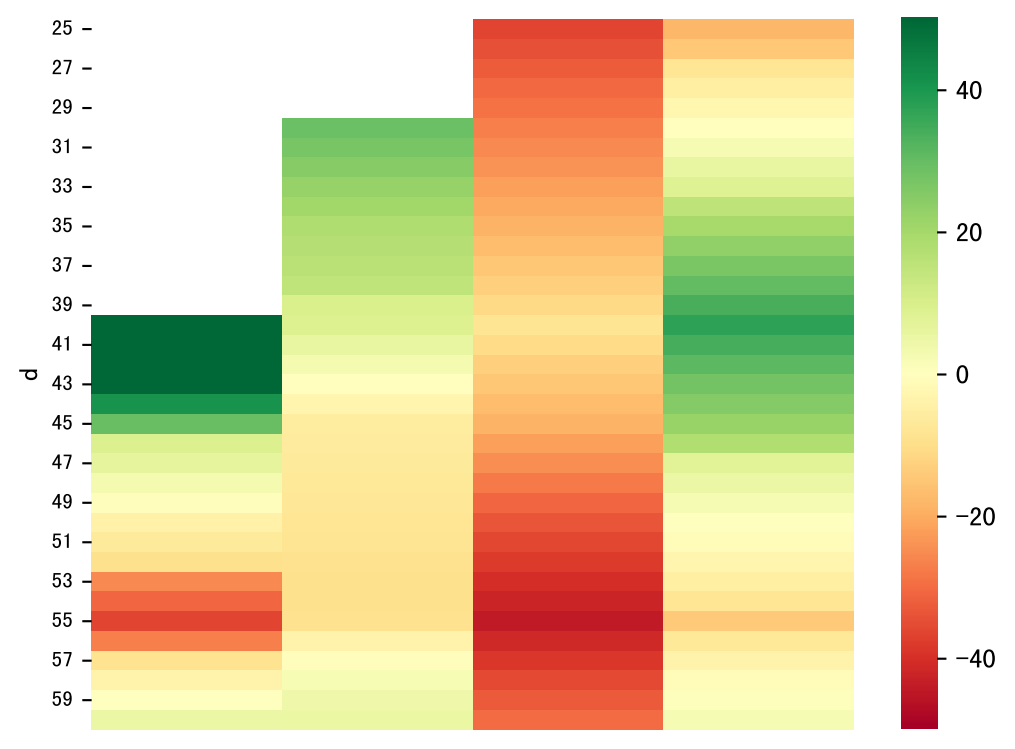

P3-6 LfA: D_5d_LfA
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

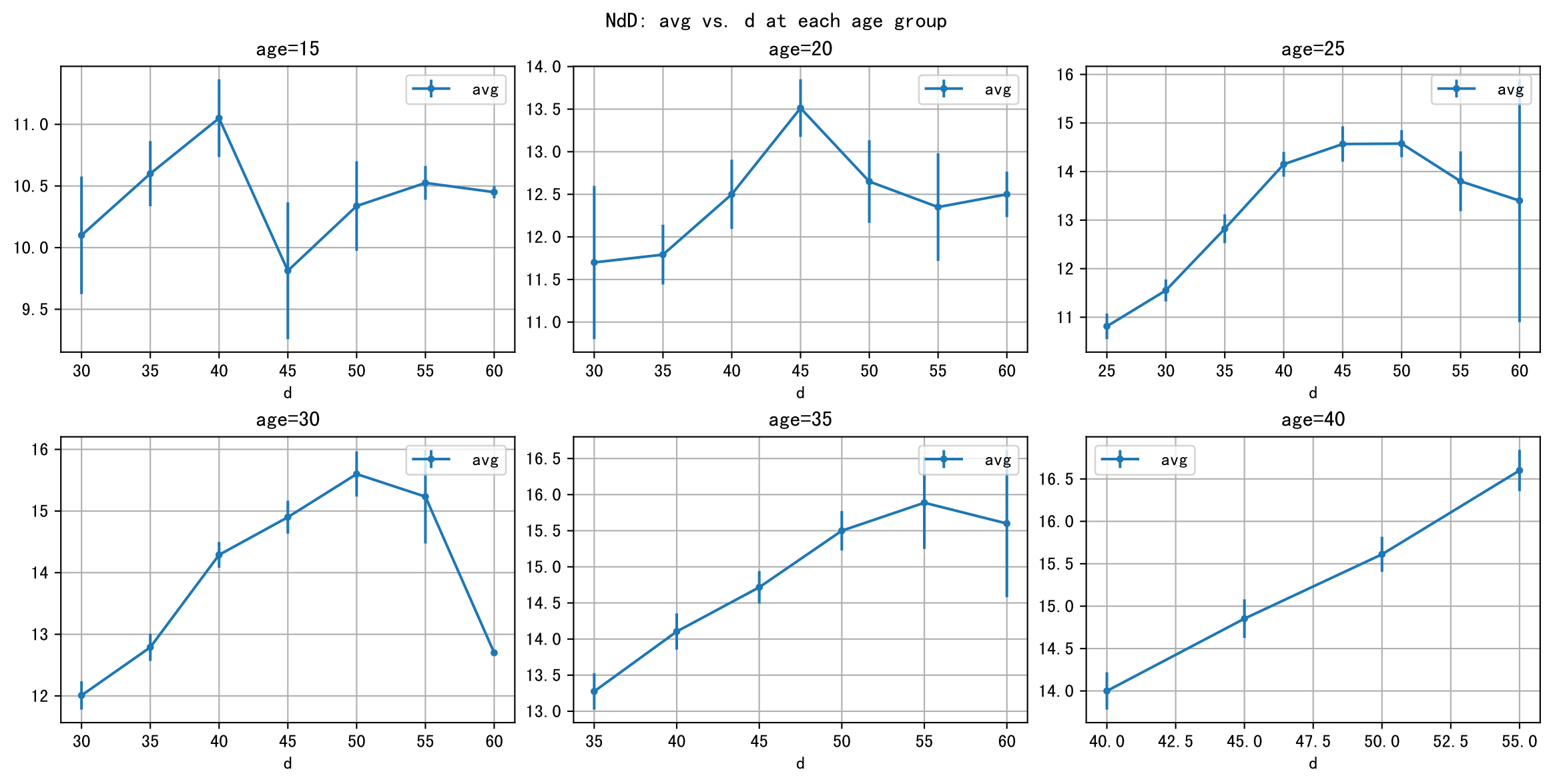

P3-6 LfA: D_15d_LfA
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

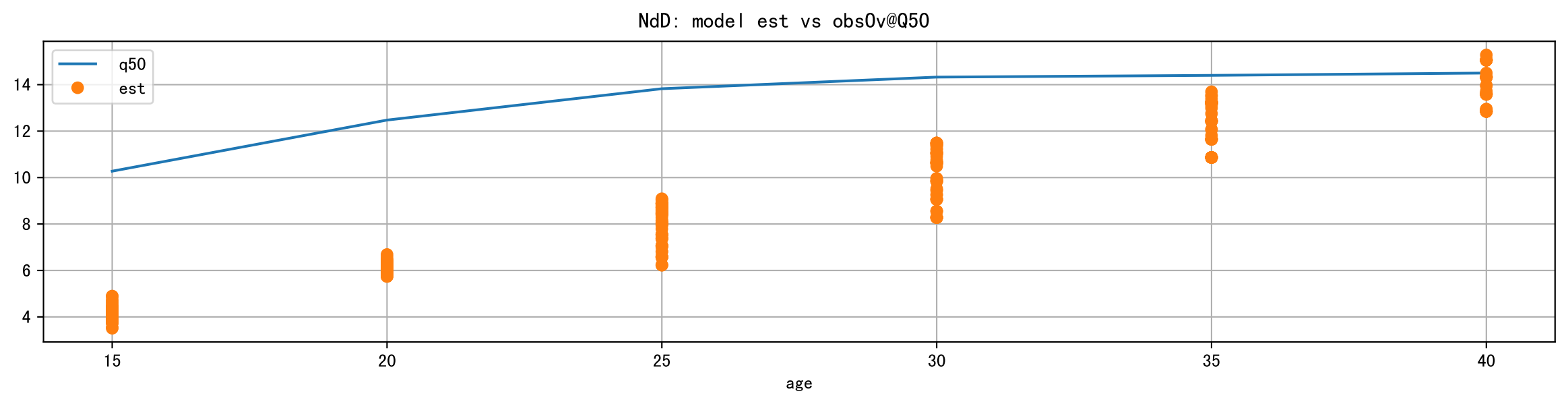

P3-6 LfA: D_Q50_LfA
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

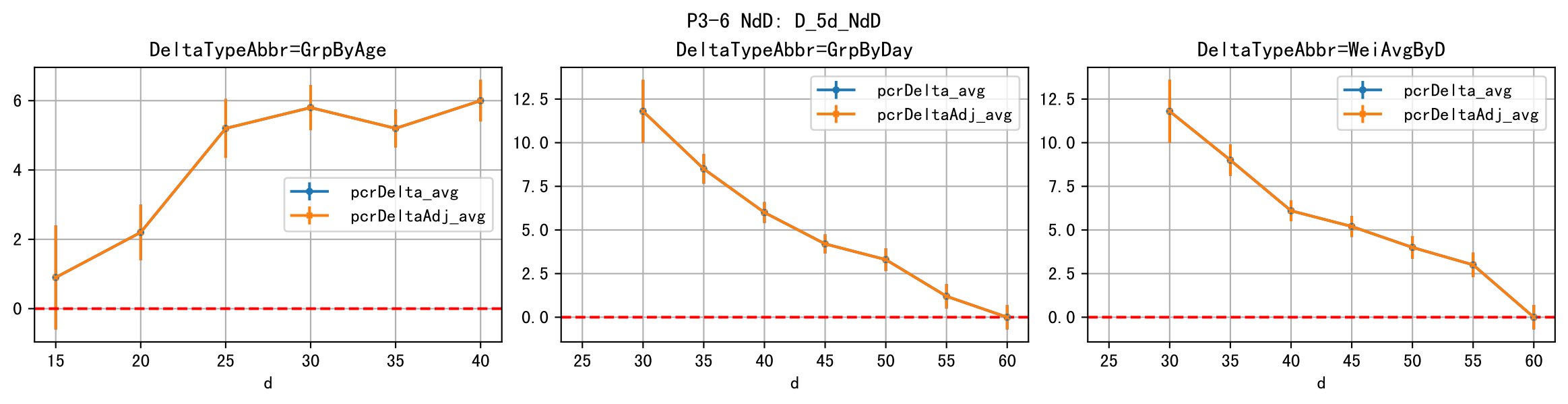

P3-6 LfA: D_Est_LfA
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

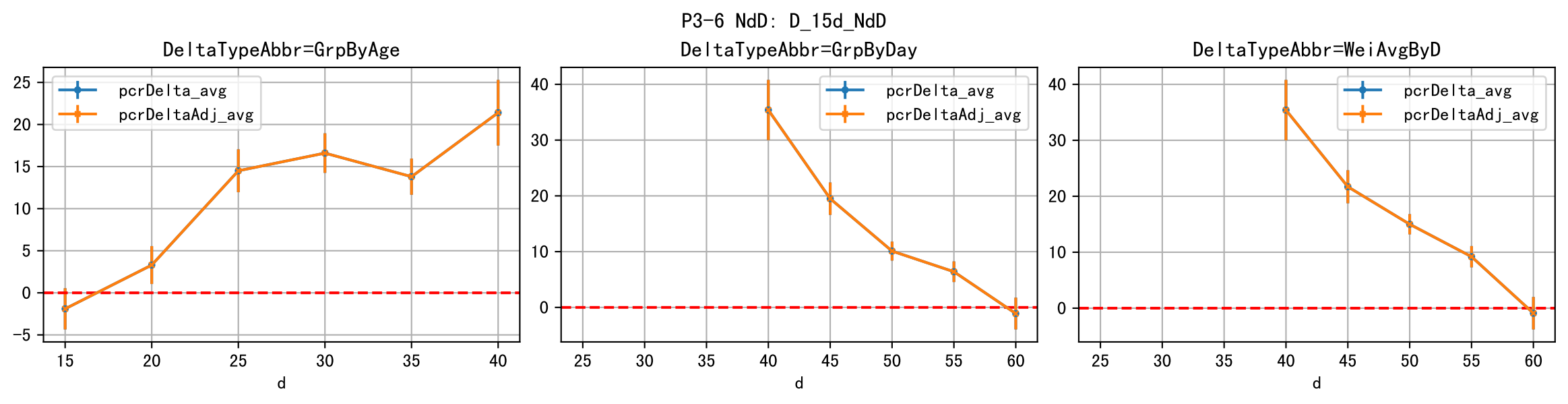

LfA: sfDem
sfDem
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
15
20
25
30
35
40
45
50
d

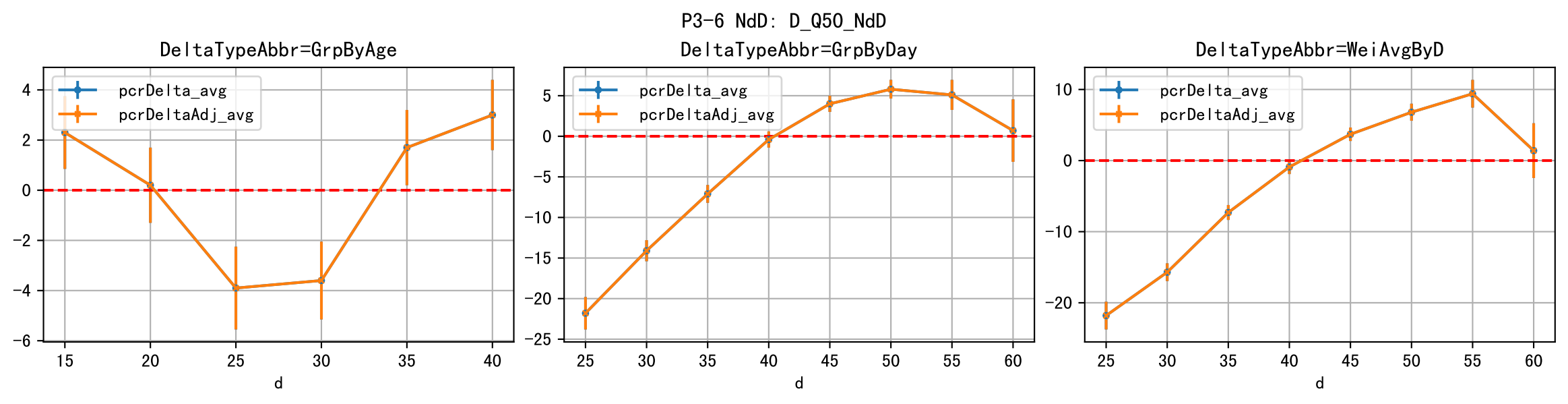

d
25
27
29
31
33
35
37
39
41
43
45
47
49
51
53
55
57
59
40
20
0
−20
−40

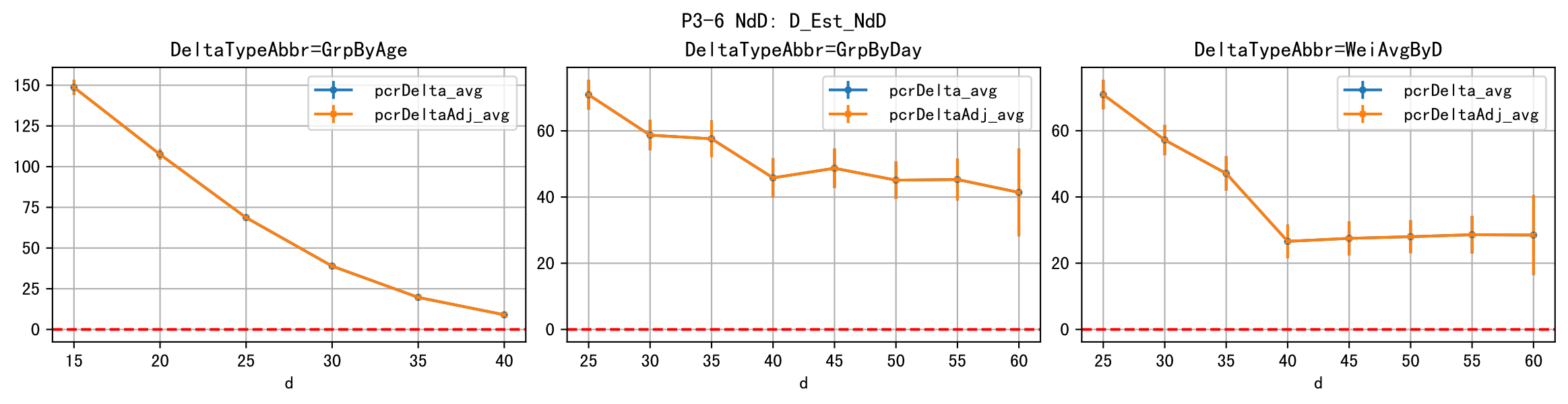

NdD: avg vs. d at each age group
age=15
age=20
age=25
age=30
age=35
age=40
avg
d

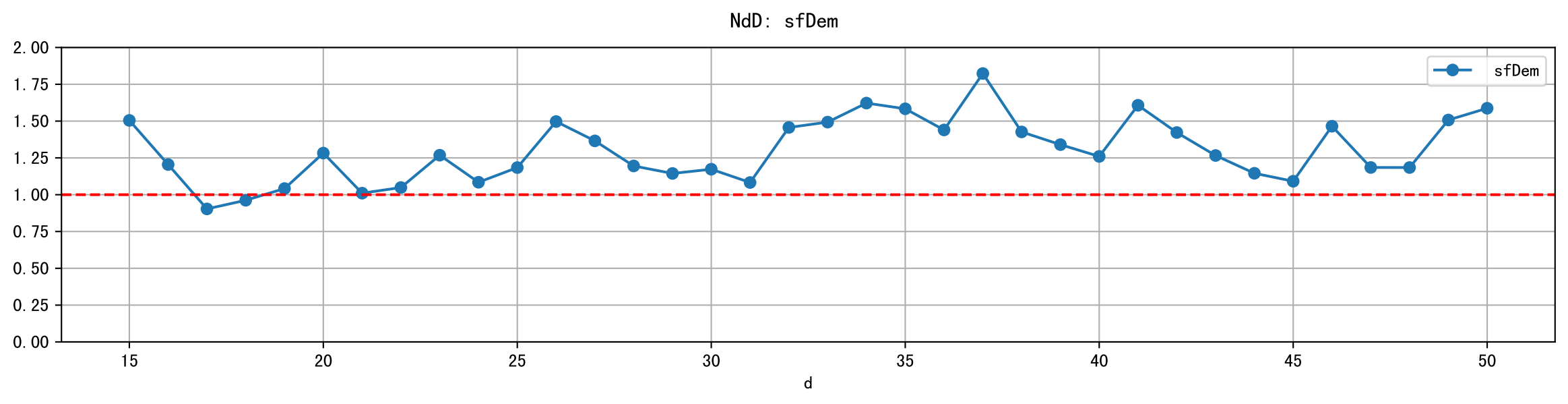

NdD: model est vs obs0v@Q50
q50
est
14
12
10
8
6
4
15
20
25
30
35
40
age

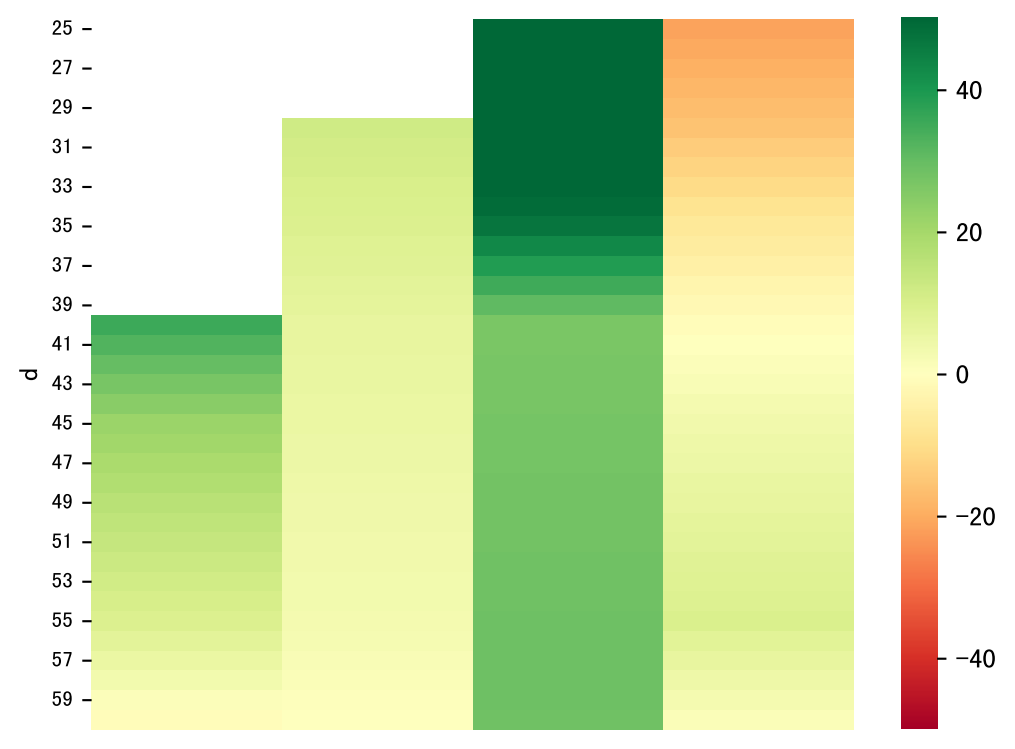

P3-6 NdD: D_5d_NdD
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

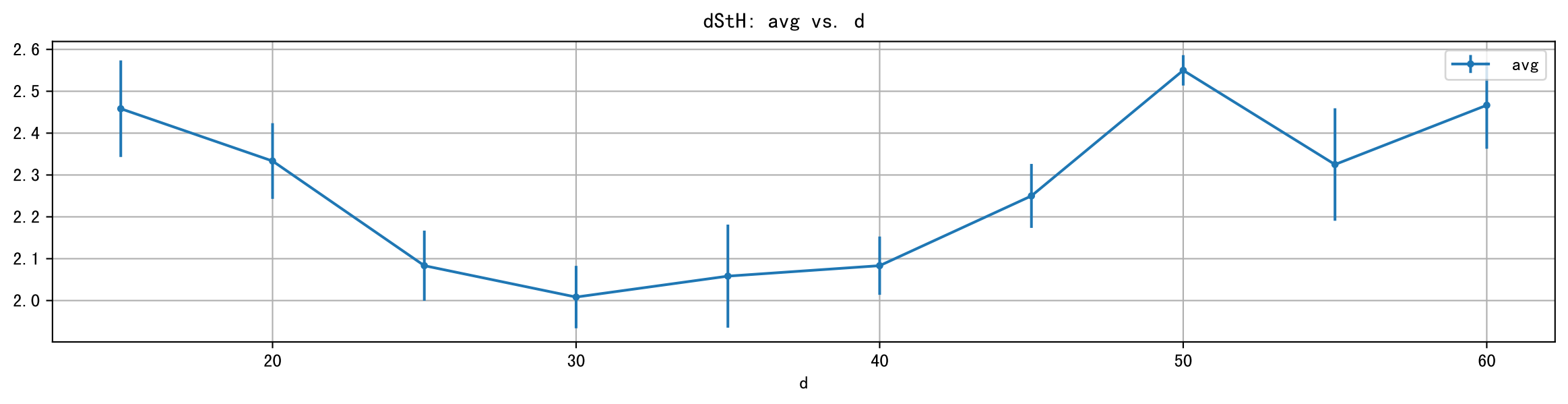

P3-6 NdD: D_15d_NdD
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

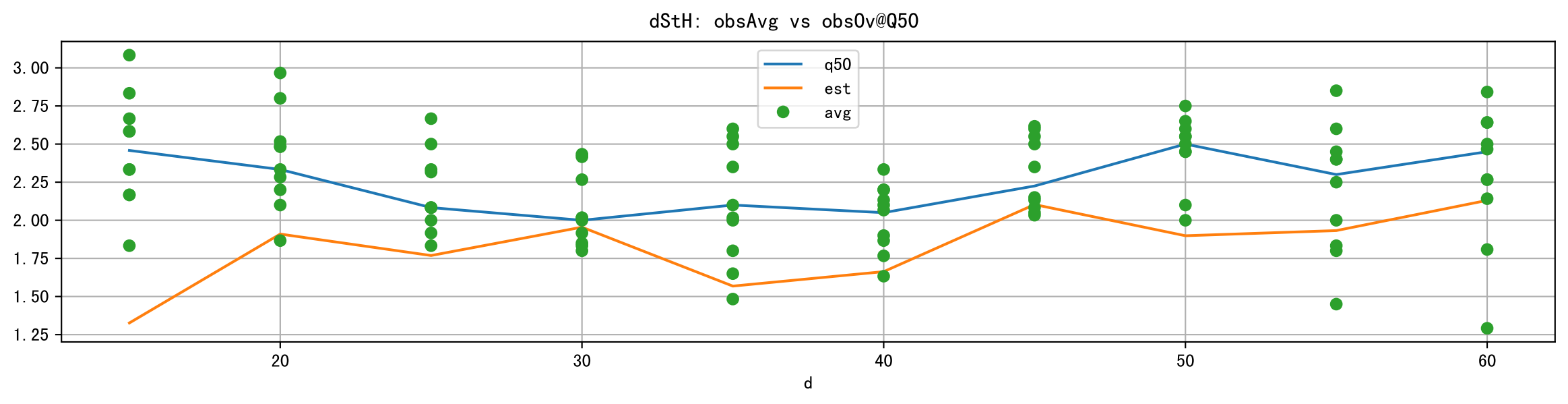

P3-6 NdD: D_Q50_NdD
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

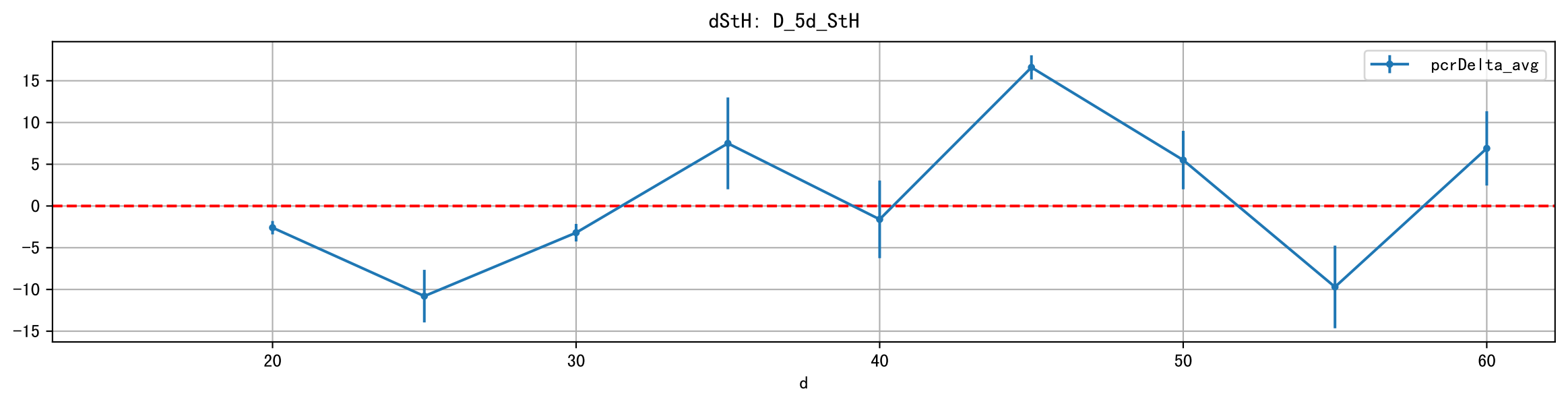

P3-6 NdD: D_Est_NdD
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

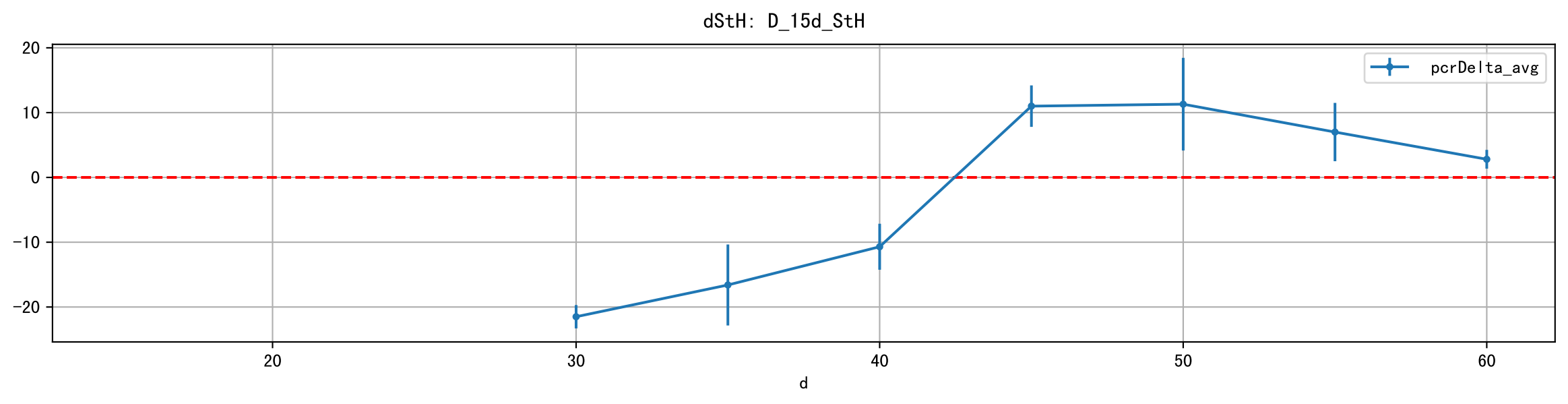

NdD: sfDem
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
15
20
25
30
35
40
45
50
d
sfDem

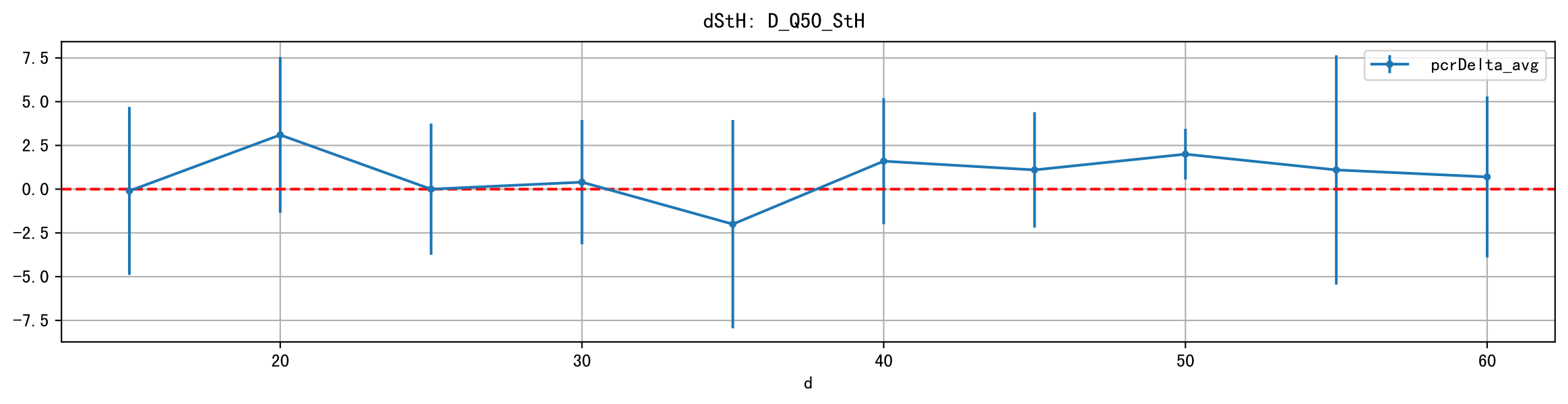

d
25
27
29
31
33
35
37
39
41
43
45
47
49
51
53
55
57
59
40
20
0
−20
−40

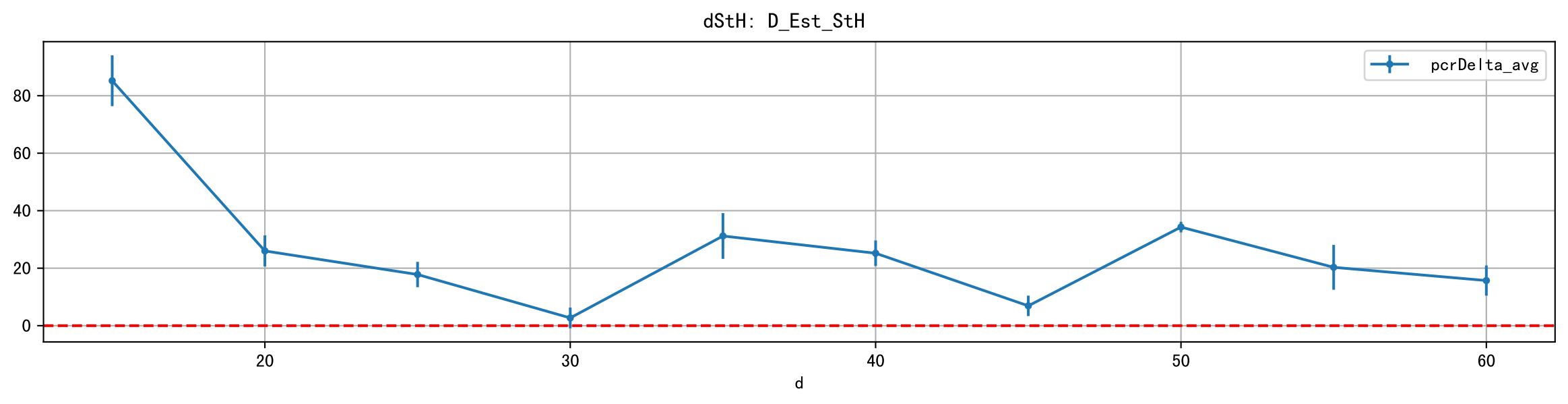

dStH: avg vs. d
avg
2.6
2.5
2.4
2.3
2.2
2.1
2.0
20
30
40
50
60
d

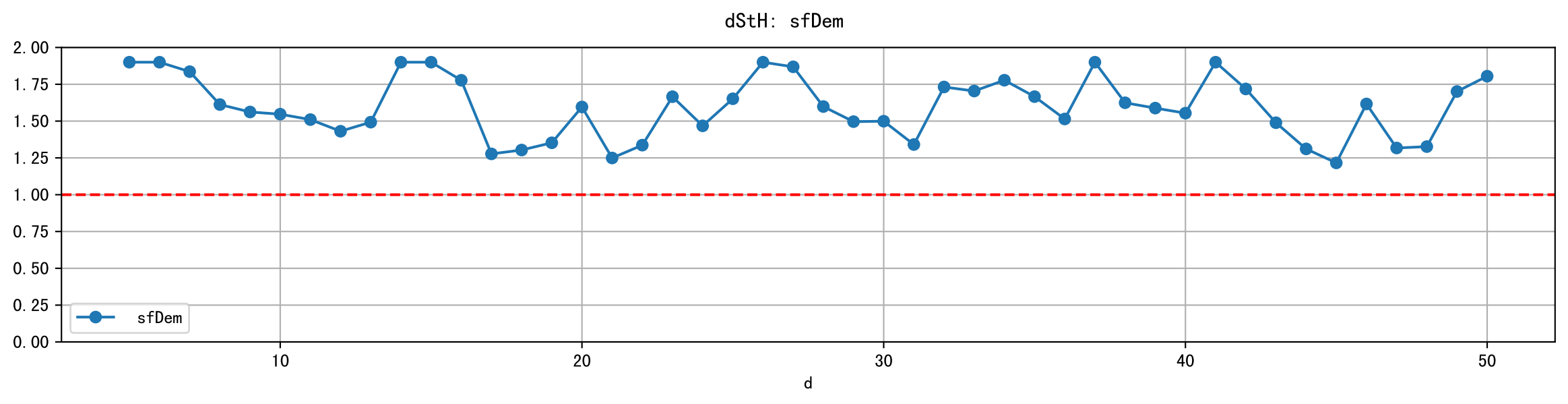

dStH: obsAvg vs obsOv@Q50
q50
est
avg
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
20
30
40
50
60
d

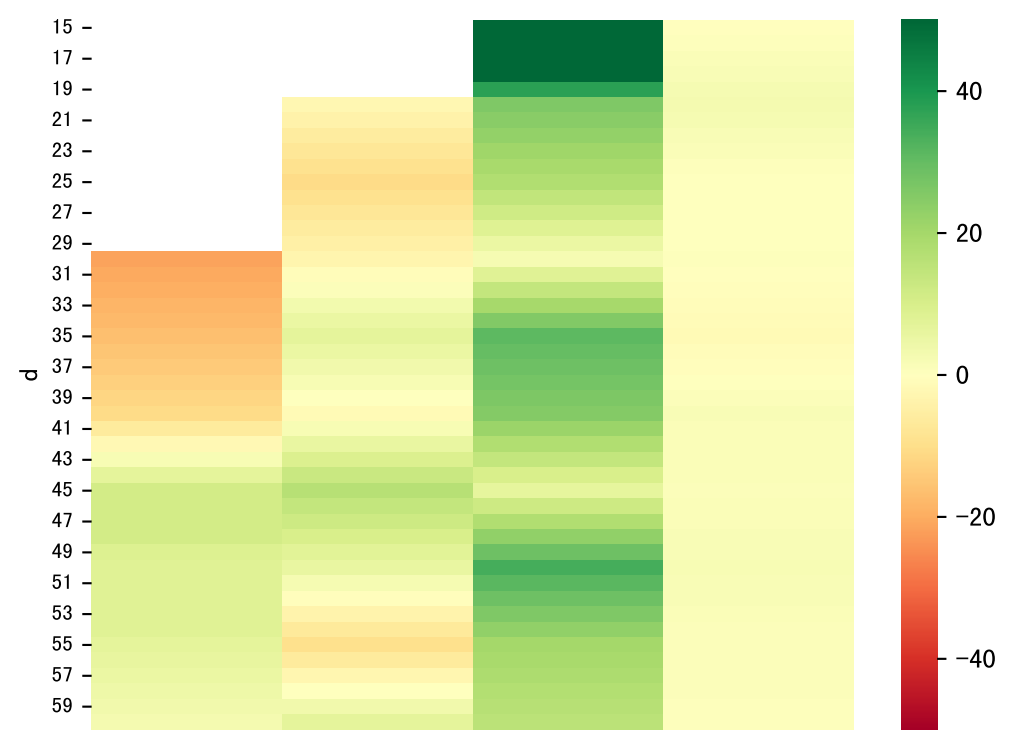

dStH: D_5d_StH
pcrDelta_avg
15
10
5
0
−5
−10
−15
20
30
40
50
60
d

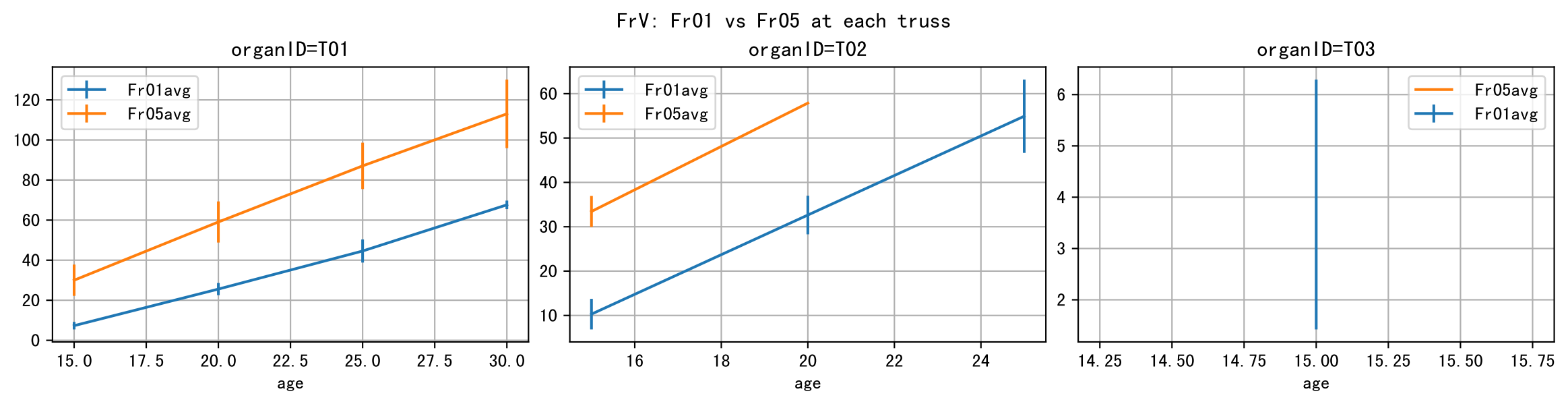

dStH: D_15d_StH
pcrDelta_avg
20
10
0
−10
−20
20
30
40
50
60
d

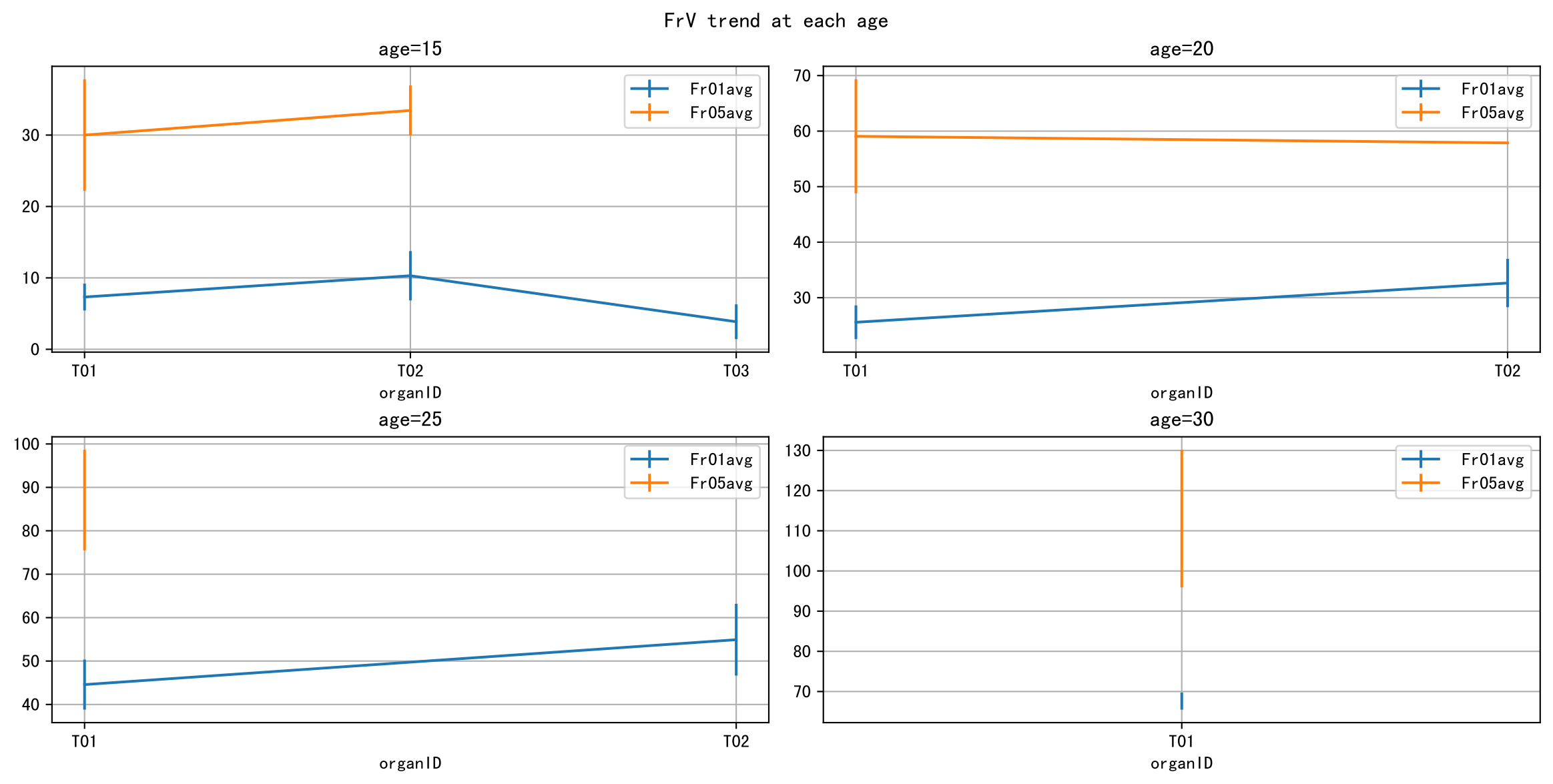

dStH: D_Q5O_StH
pcrDelta_avg
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
20
30
40
50
60
d

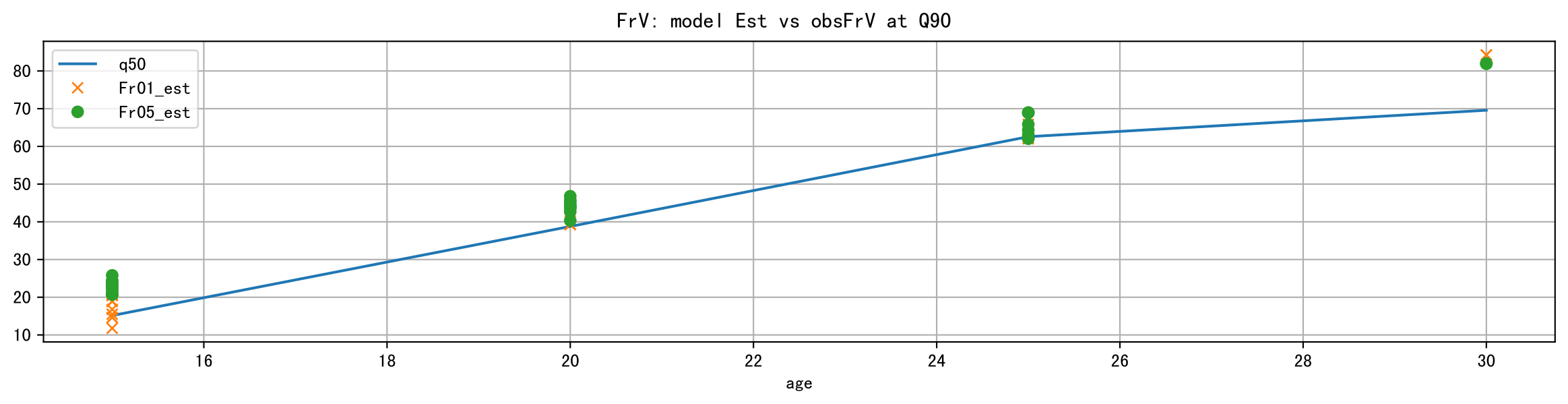

dStH: D_Est_StH
pcrDelta_avg
80
60
40
20
0
20
30
40
50
60
d

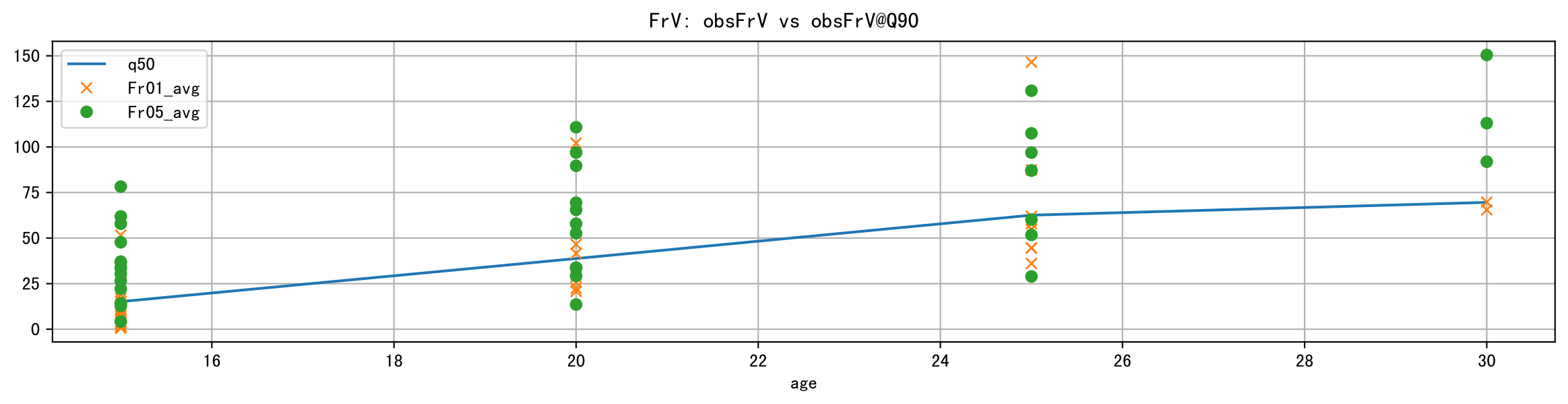

dStH: sfDem
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
sfDem
10
20
30
40
50
d

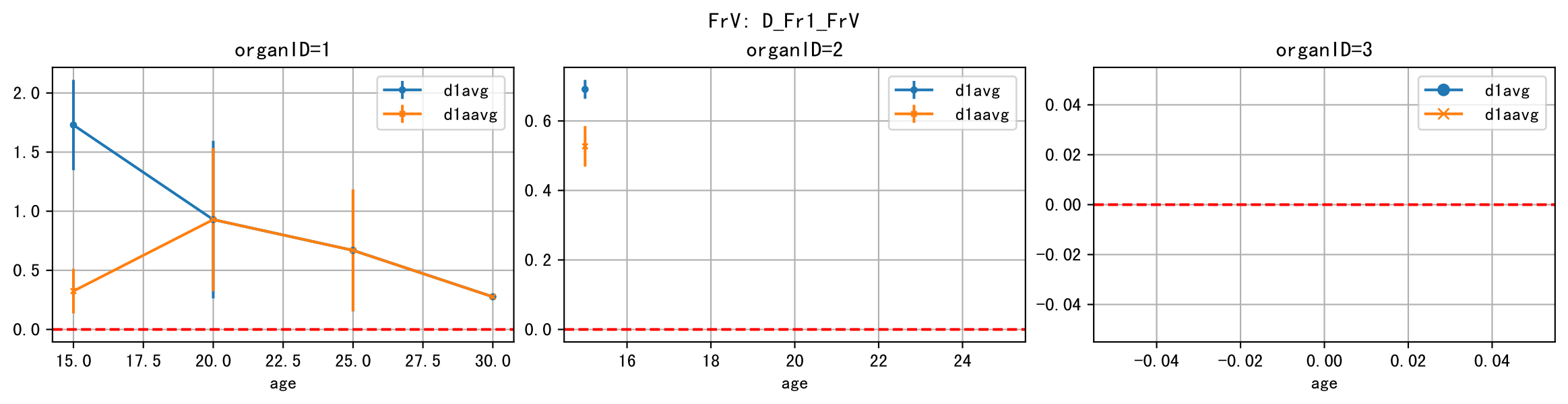

d
15
17
19
21
23
25
27
29
31
33
35
37
39
41
43
45
47
49
51
53
55
57
59
40
20
0
−20
−40

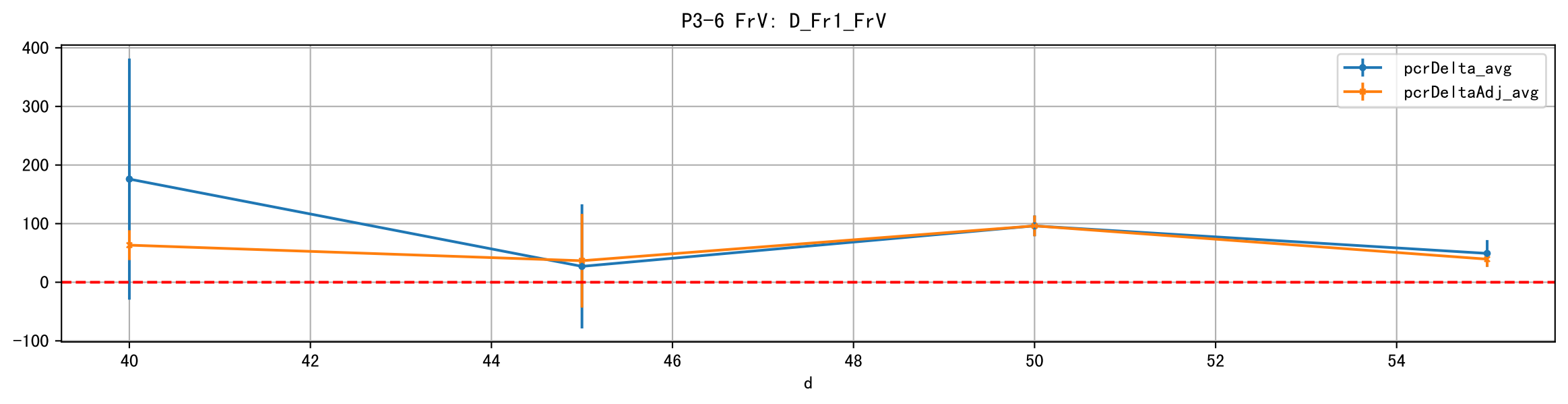

FrV: Fr01 vs Fr05 at each truss
organID=T01
organID=T02
organID=T03
Fr01avg
Fr05avg
Fr05avg
Fr01avg
Fr05avg
Fr01avg
0
20
40
60
80
100
120
10
20
30
40
50
60
2
3
4
5
6
15.0
17.5
20.0
22.5
25.0
27.5
30.0
16
18
20
22
24
14.25
14.50
14.75
15.00
15.25
15.50
15.75
age
age
age

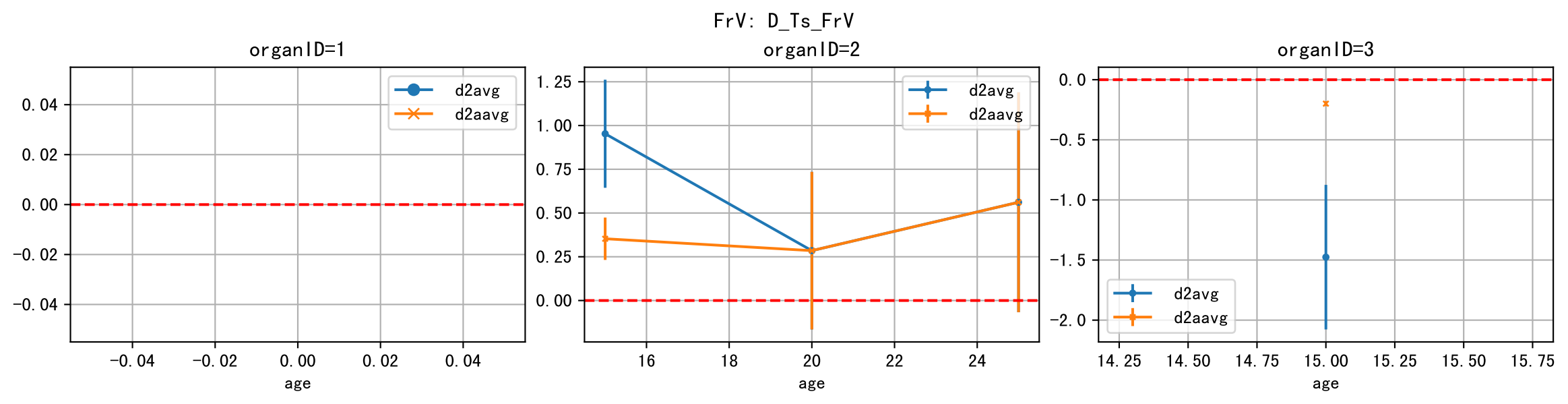

FrV trend at each age
age=15
Fr01avg
Fr05avg
0
10
20
30
T01
T02
T03
organID
age=20
Fr01avg
Fr05avg
30
40
50
60
70
T01
T02
organID
age=25
Fr01avg
Fr05avg
40
50
60
70
80
90
100
T01
T02
organID
age=30
Fr01avg
Fr05avg
70
80
90
100
110
120
130
T01
organID

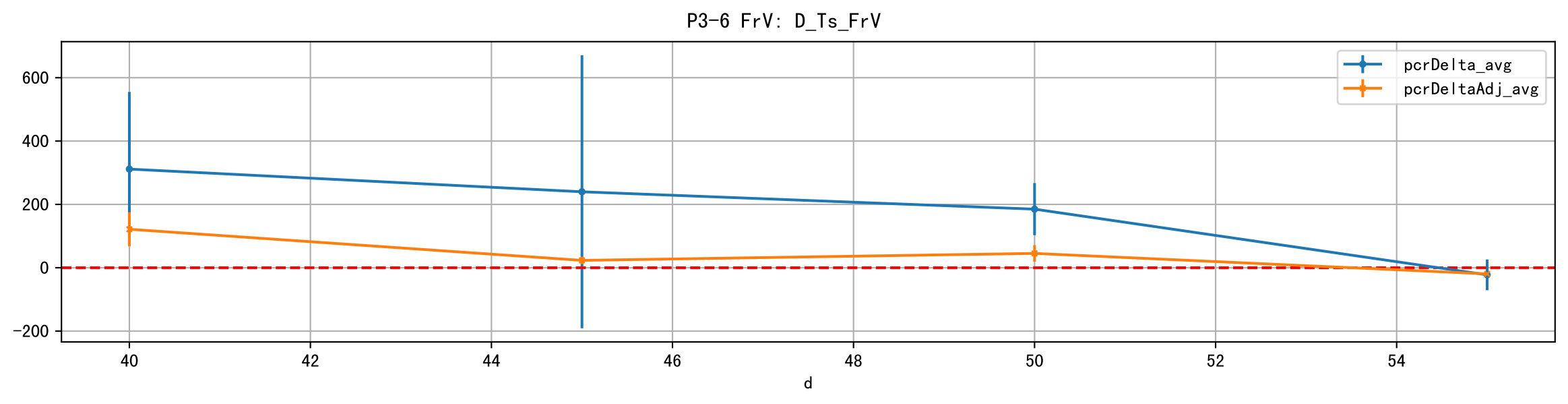

FrV: model Est vs obsFrV at Q90
q50
Fr01_est
Fr05_est
80
70
60
50
40
30
20
10
16
18
20
22
24
26
28
30
age

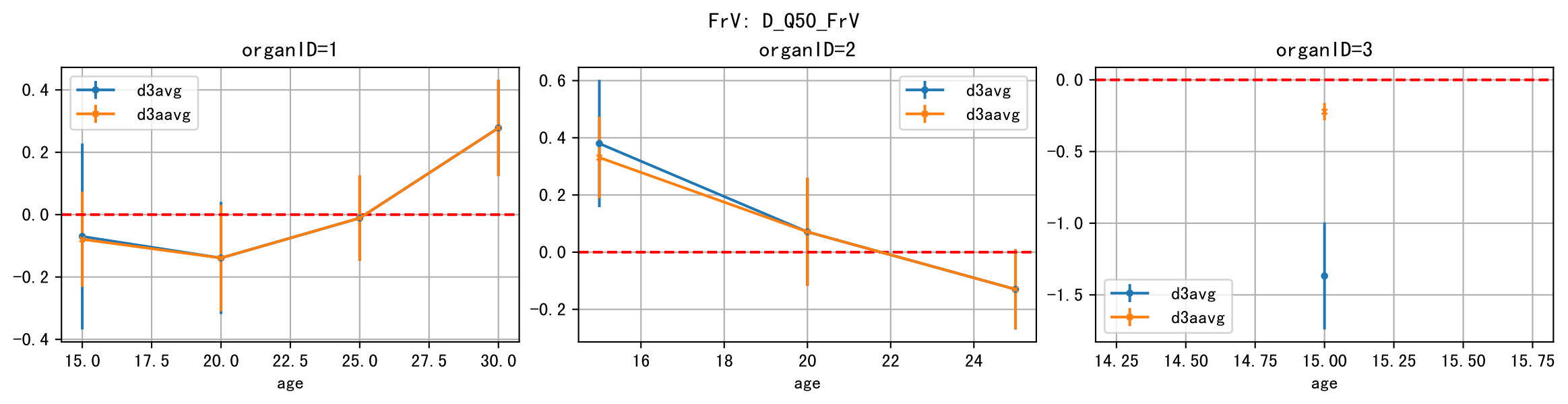

FrV: obsFrV vs obsFrV@Q90
q50
Fr01_avg
Fr05_avg
150
125
100
75
50
25
0
16
18
20
22
24
26
28
30
age

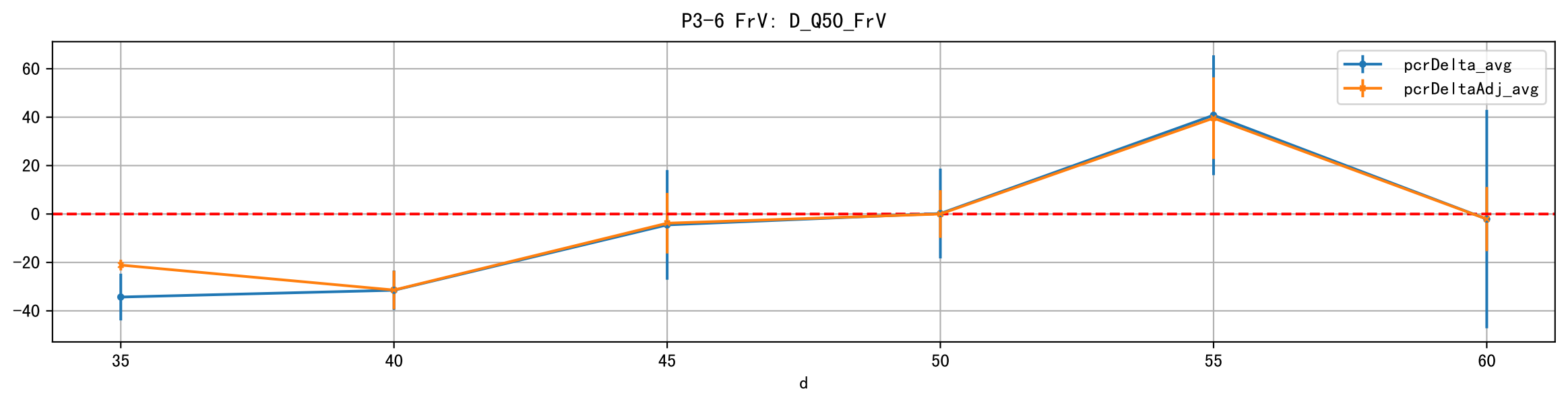

FrV: D_Fr1_FrV
organID=1
organID=2
organID=3
d1avg
d1aavg
2.0
1.5
1.0
0.5
0.0
0.6
0.4
0.2
0.04
0.02
0.00
-0.02
-0.04
15.0
17.5
20.0
22.5
25.0
27.5
30.0
16
18
20
22
24
age

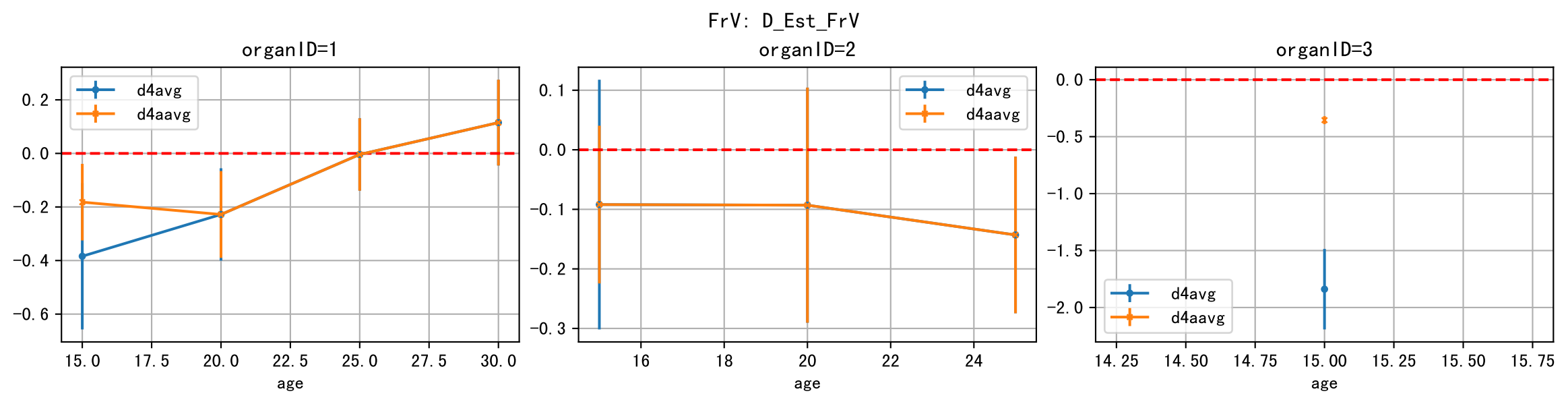

P3-6 FrV: D_Fr1_FrV
pcrDelta_avg
pcrDeltaAdj_avg
400
300
200
100
0
-100
40
42
44
46
48
50
52
54
d

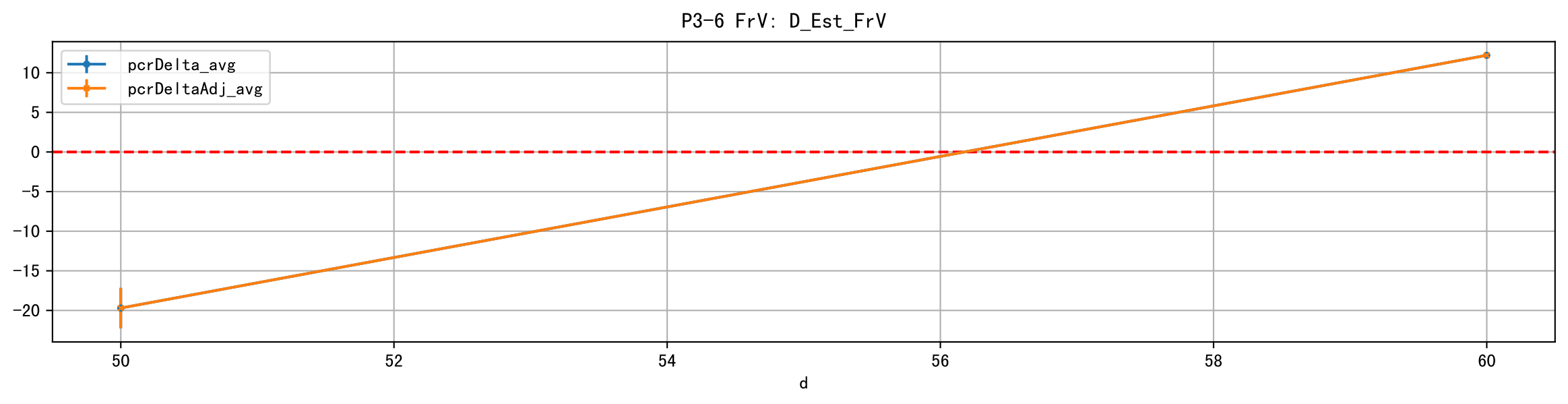

FrV: D_Ts_FrV
organID=1
organID=2
organID=3
d2avg
d2aavg
0.04
0.02
0.00
-0.02
-0.04
1.25
1.00
0.75
0.50
0.25
0.00
0.0
-0.5
-1.0
-1.5
-2.0
16
18
20
22
24
14.25
14.50
14.75
15.00
15.25
15.50
15.75
age

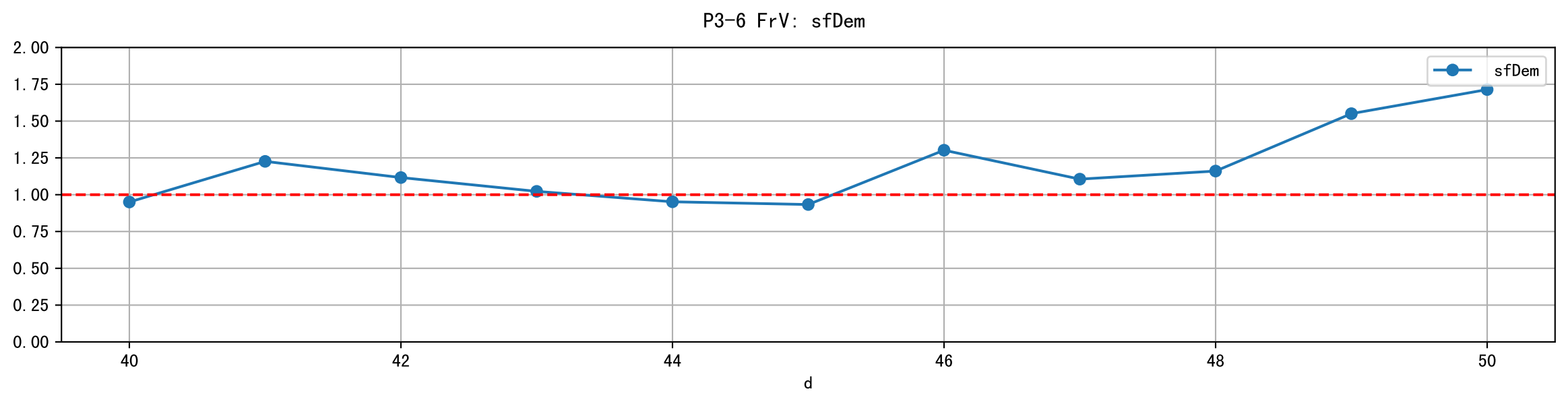

P3-6 FrV: D_Ts_FrV
pcrDelta_avg
pcrDeltaAdj_avg
600
400
200
0
−200
40
42
44
46
48
50
52
54
d


FrV: D_Q50_FrV
organID=1
organID=2
organID=3
d3avg
d3aavg
age
0.4
0.2
0.0
−0.2
−0.4
15.0
17.5
20.0
22.5
25.0
27.5
30.0
0.6
16
18
20
22
24
−0.5
−1.0
−1.5
14.25
14.50
14.75
15.00
15.25
15.50
15.75

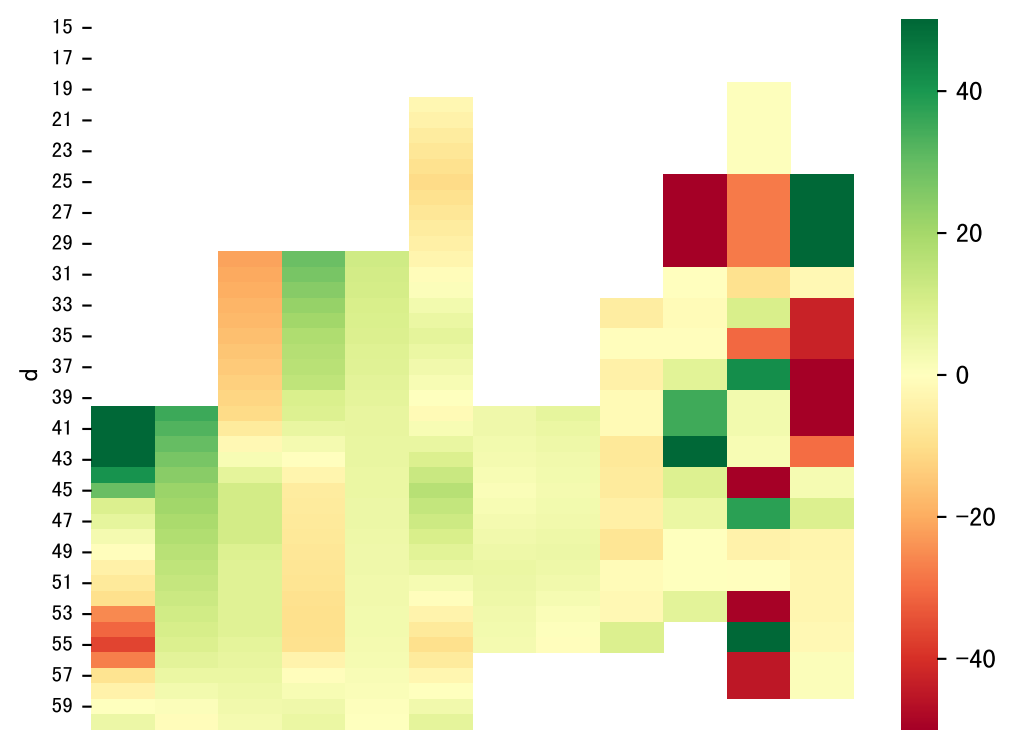

P3-6 FrV: D_Q50_FrV
pcrDelta_avg
pcrDeltaAdj_avg
60
40
20
0
−20
−40
35
40
45
50
55
60
d


FrV: D_Est_FrV
organID=1
organID=2
organID=3
d4avg
d4aavg
age
0.2
0.0
−0.2
−0.4
−0.6
15.0
17.5
20.0
22.5
25.0
27.5
30.0
0.1
−0.1
−0.3
16
18
20
22
24
−0.5
−1.0
−1.5
−2.0
14.25
14.50
14.75
15.00
15.25
15.50
15.75


P3-6 FrV: D_Est_FrV
pcrDelta_avg
pcrDeltaAdj_avg
10
5
0
−5
−10
−15
−20
50
52
54
56
58
60
d


P3-6 FrV: sfDem
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
40
42
44
46
48
50
d
sfDem


d
35
37
39
41
43
45
47
49
51
53
55
57
59
40
20
0
−20
−40


d
15
17
19
21
23
25
27
29
31
33
35
37
39
41
43
45
47
49
51
53
55
57
59
40
20
0
−20
−40