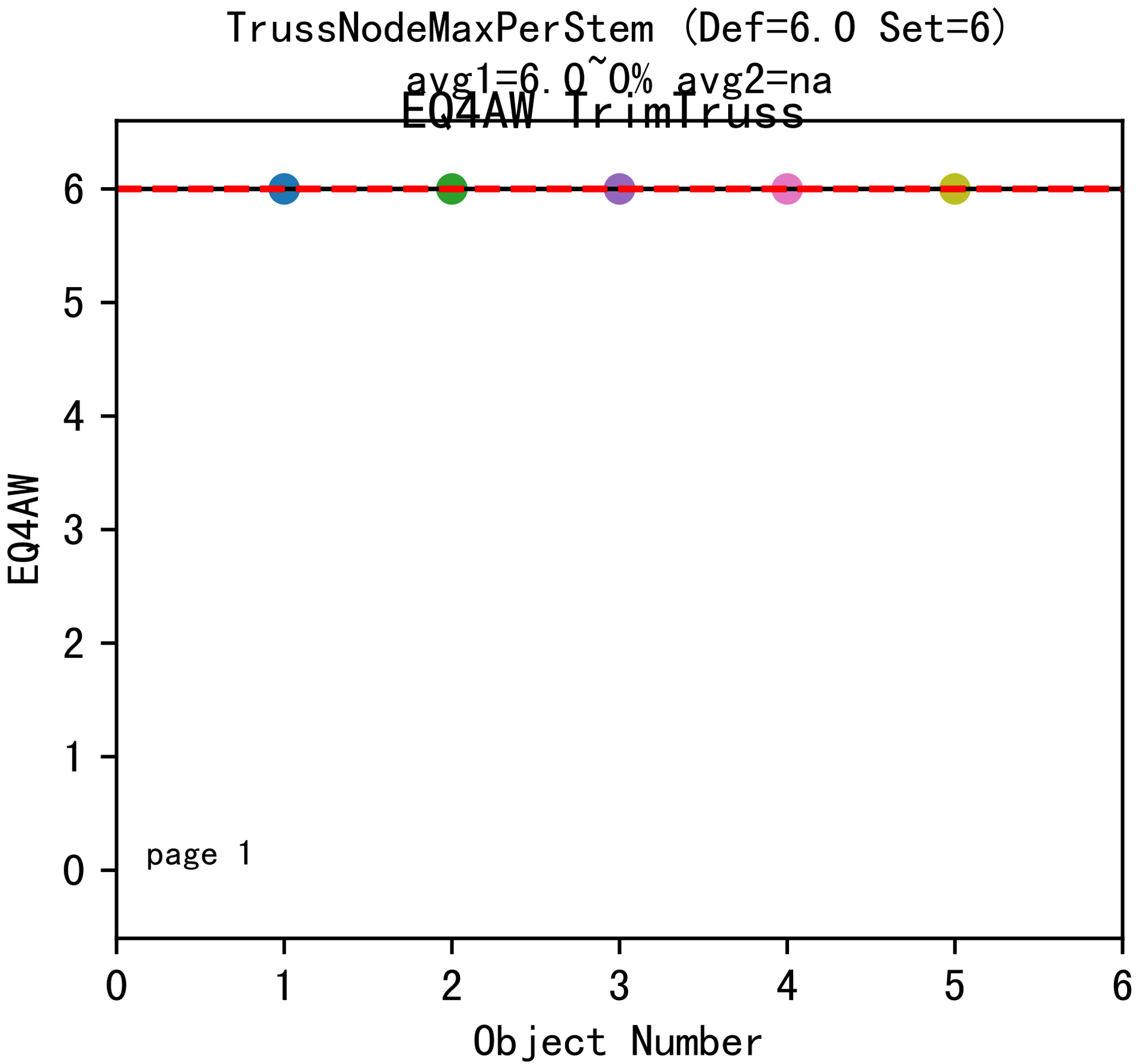
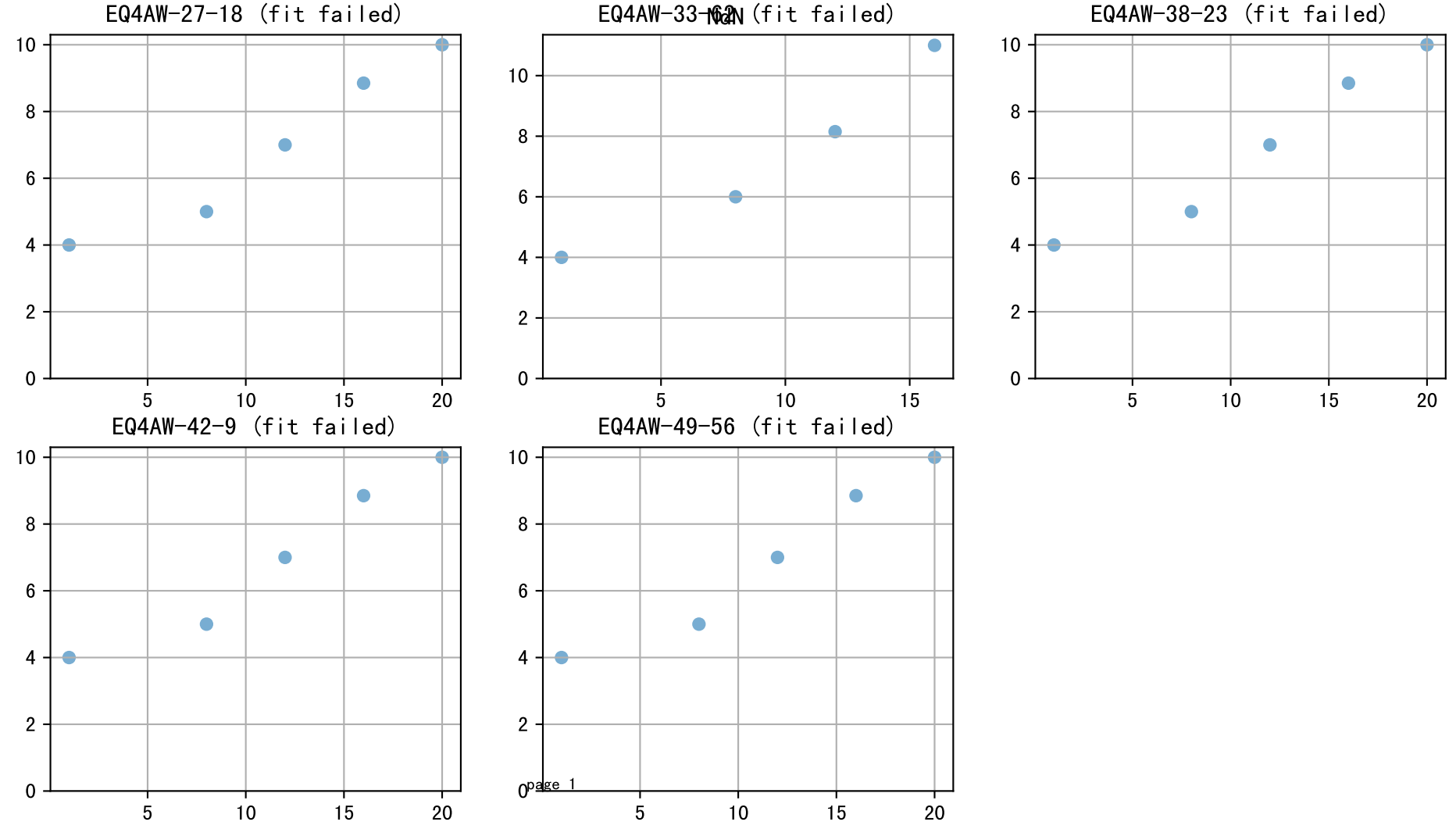
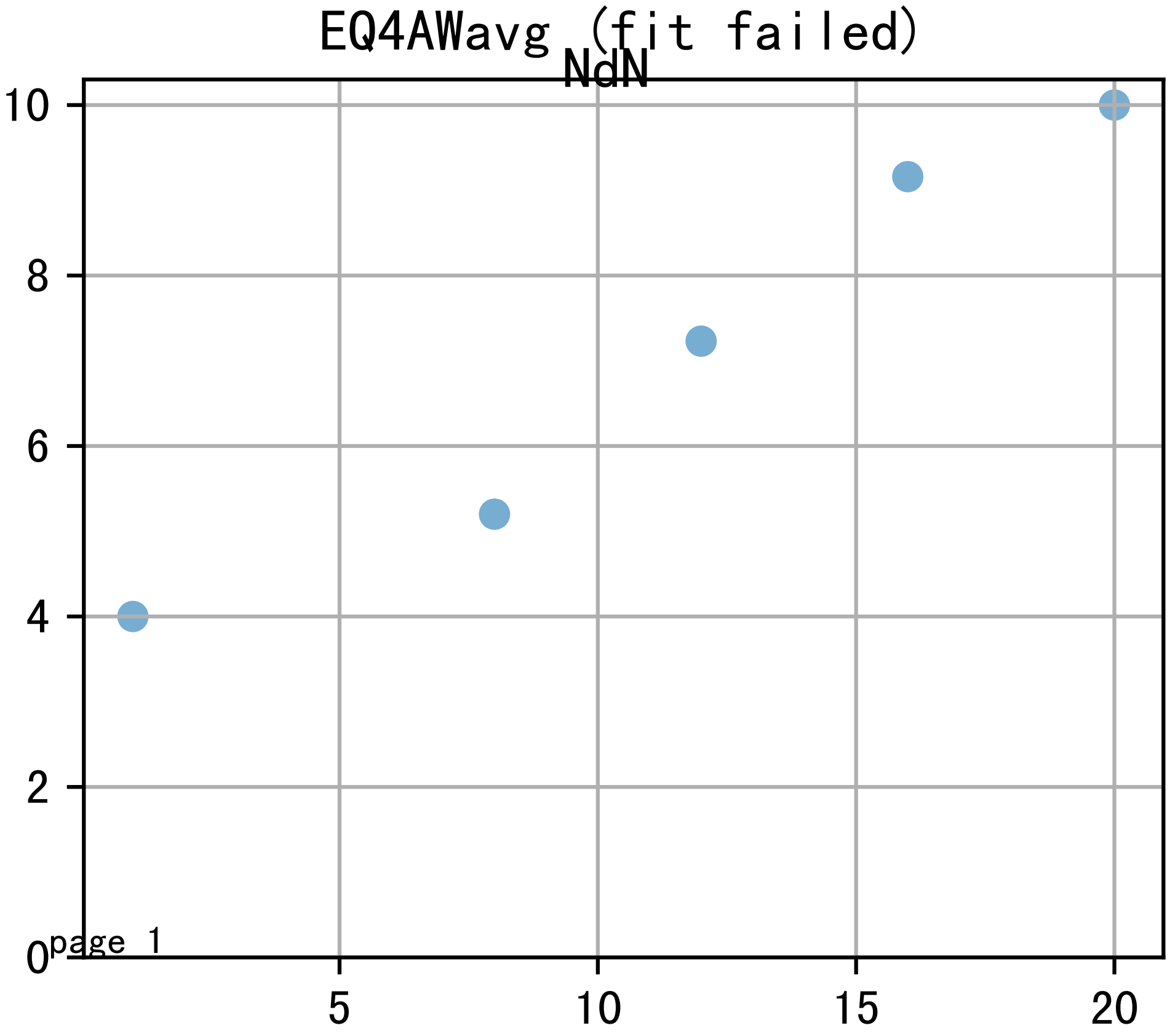
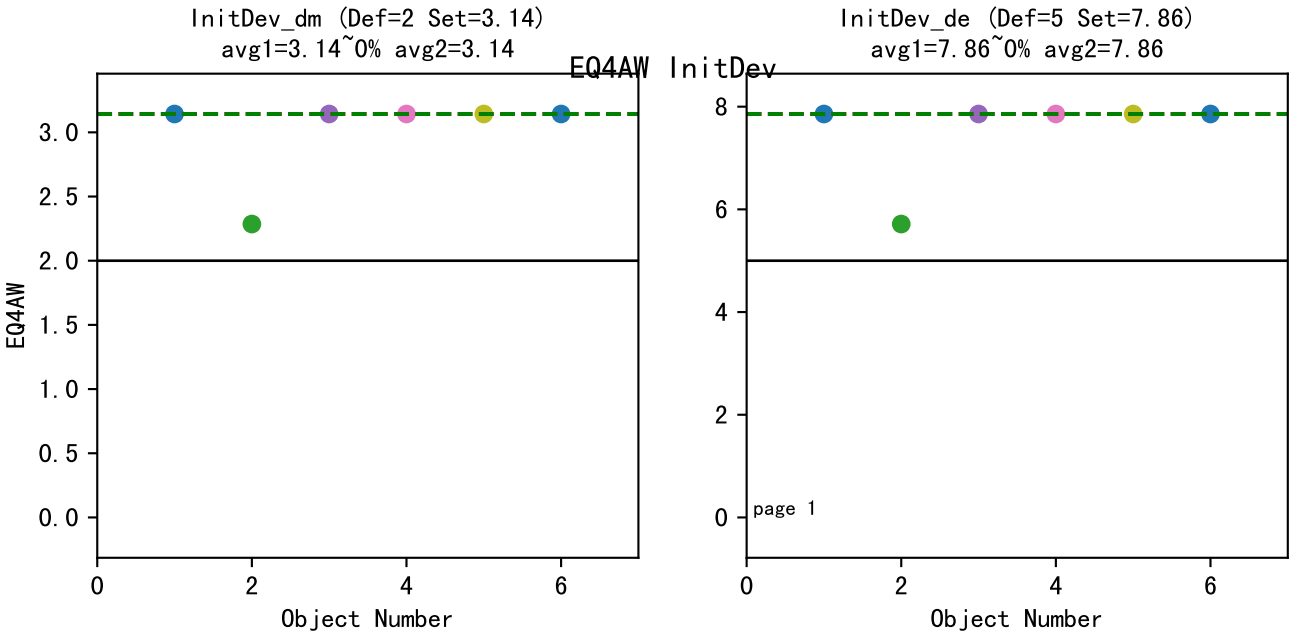
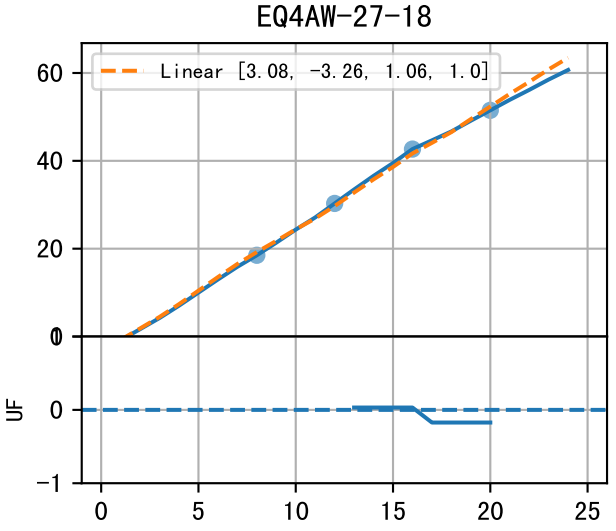
Phenotype Data Analysis Plots
PhenoData day range = 8 - 20
Analysis cutoff day = 20
NC11 EQ4
2025-06-13 (Day 21)

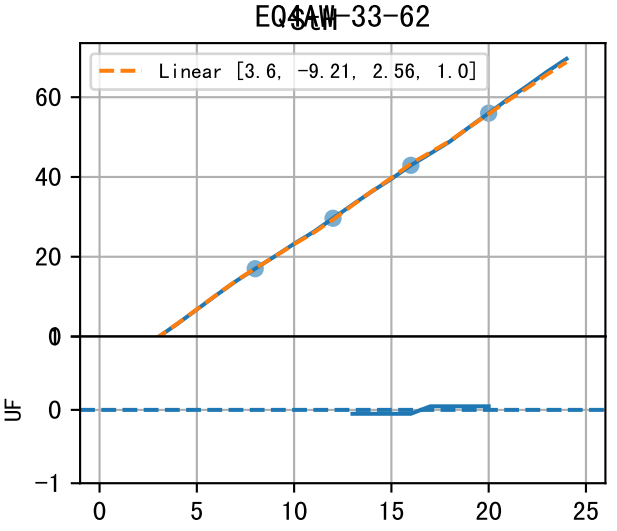

TrussNodeMaxPerStem (Def=6.0 Set=6)
avg1=6.0~0% avg2=na
EQ4AW TrimTruss
EQ4AW
Object Number
page 1
0
1
2
3
4
5
6

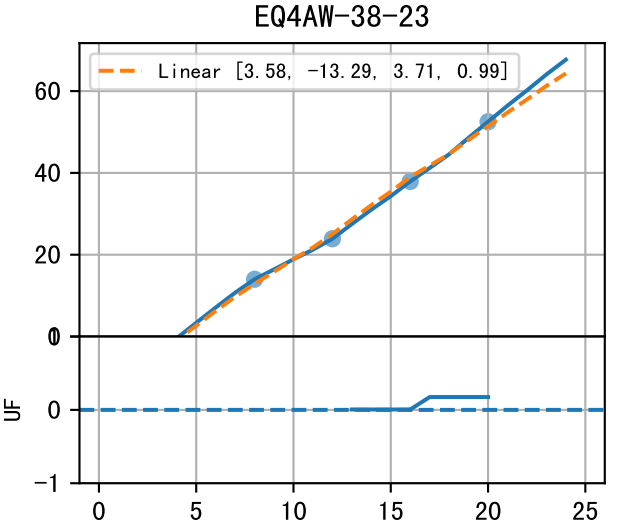

EQ4AW-27-18 (fit failed)
EQ4AW-33-62 (fit failed)
EQ4AW-38-23 (fit failed)
EQ4AW-42-9 (fit failed)
EQ4AW-49-56 (fit failed)
0
2
4
6
8
10
5
10
15
20

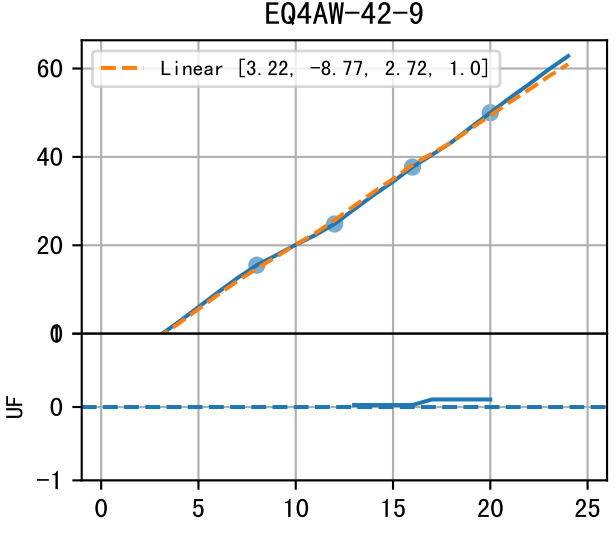

EQ4AWavg (fit failed)
NdN
10
8
6
4
2
0
5
10
15
20
page 1

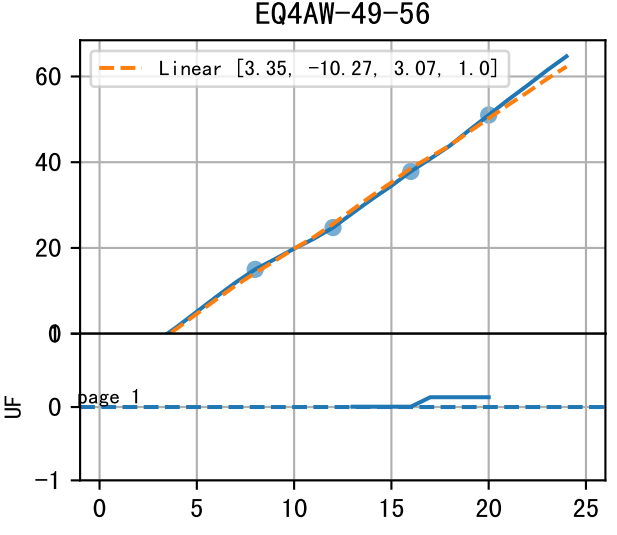

EQ4AW InitDev
InitDev_dm (Def=2 Set=3.14)
avg1=3.14~0% avg2=3.14
InitDev_de (Def=5 Set=7.86)
avg1=7.86~0% avg2=7.86
EQ4AW
3.0
2.5
2.0
1.5
1.0
0.5
0.0
8
6
4
2
0
0
2
4
6
Object Number
page 1

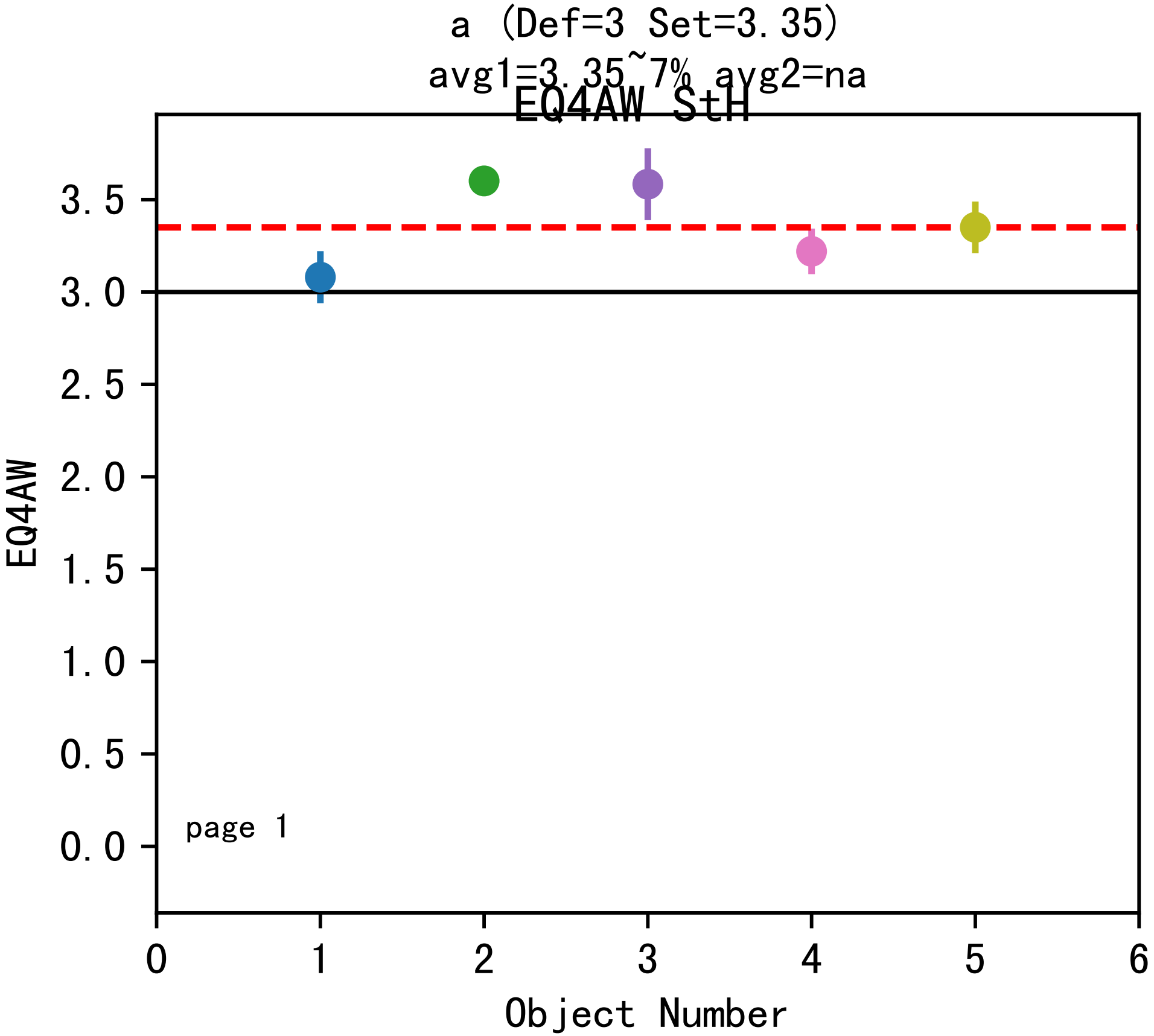

EQ4AW-27-18
Linear [3.08, -3.26, 1.06, 1.0]
UF


EQ4AW-33-62
Linear [3.6, -9.21, 2.56, 1.0]
UF

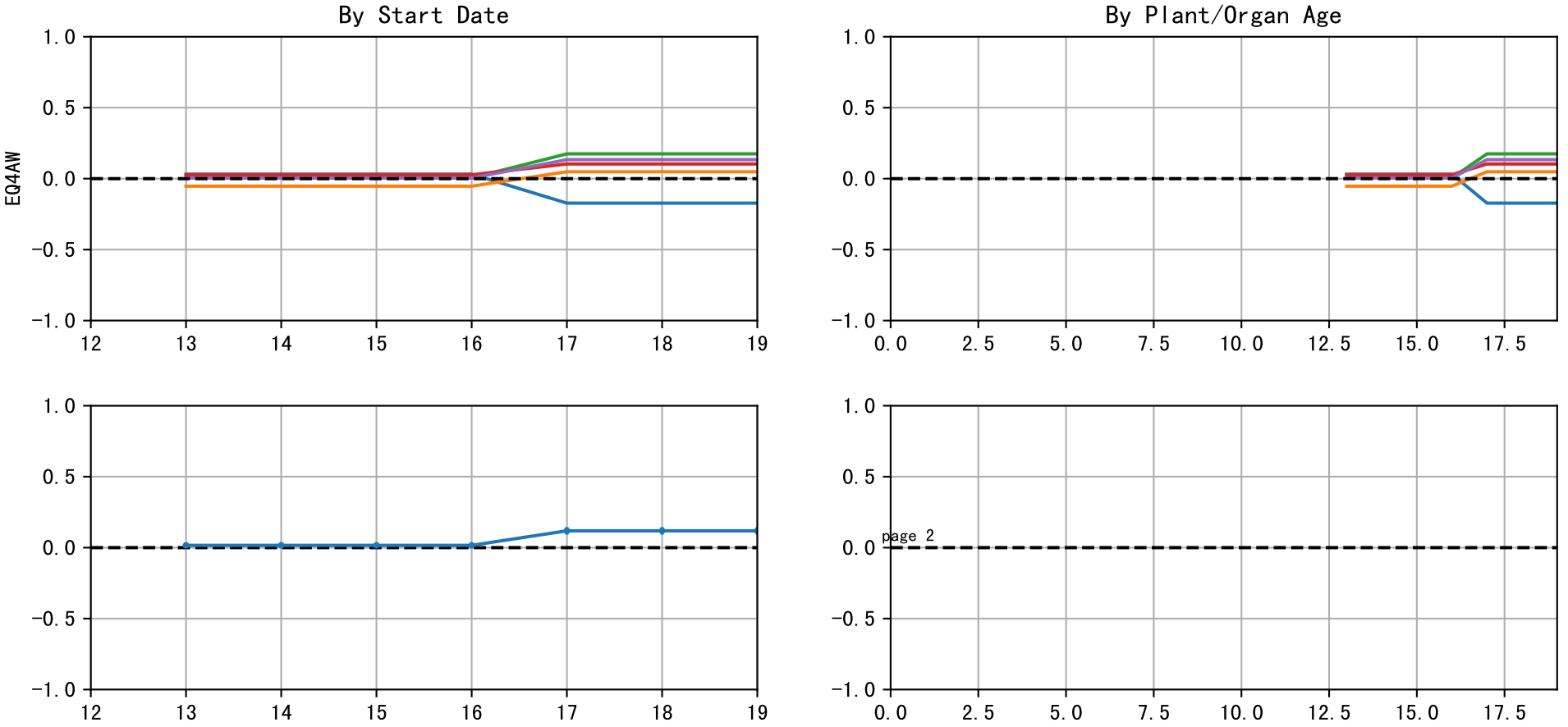

EQ4AW-38-23
Linear [3.58, -13.29, 3.71, 0.99]
UF

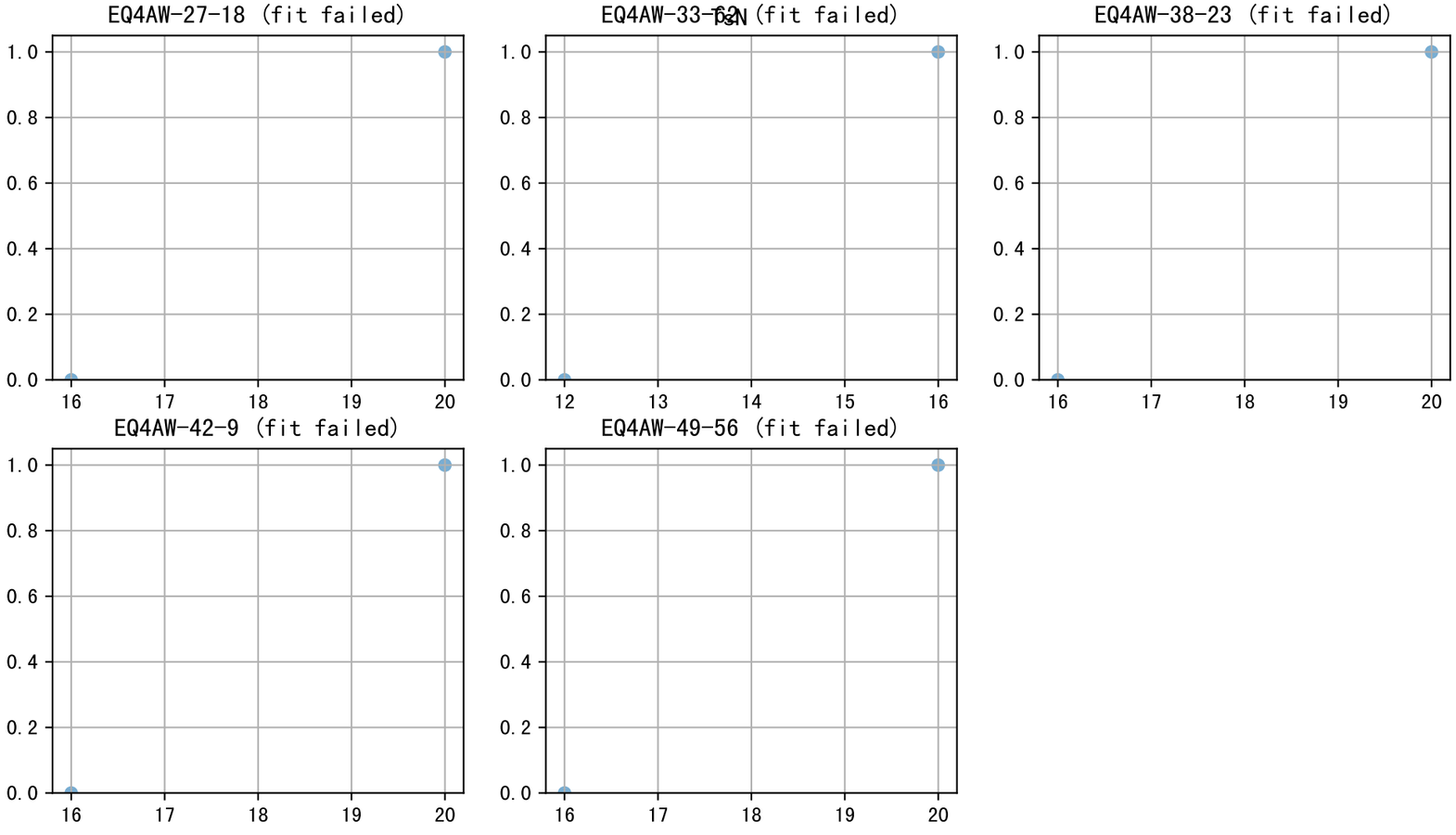

EQ4AW-42-9
Linear [3.22, -8.77, 2.72, 1.0]
UF

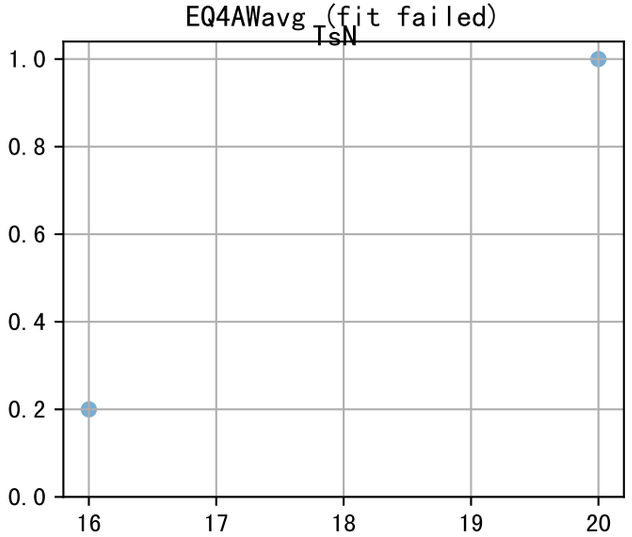

EQ4AW-49-56
Linear [3.35, -10.27, 3.07, 1.0]
UF

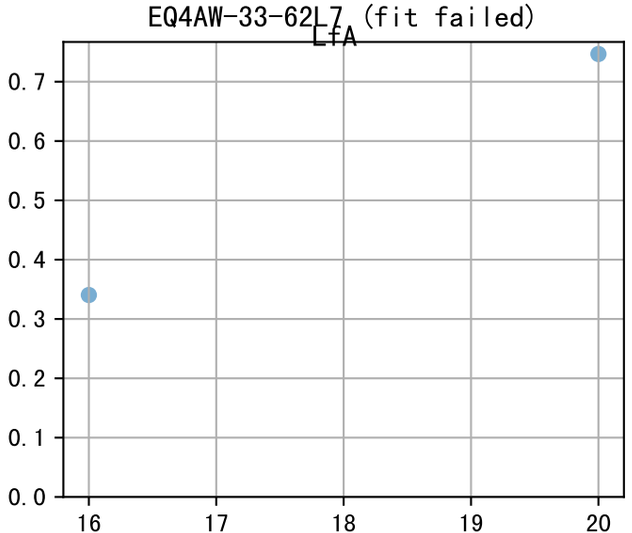

a (Def=3 Set=3.35)
avg1=3.35~7% avg2=na
EQ4AW StH
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
EQ4AW
page 1
0
1
2
3
4
5
6
Object Number

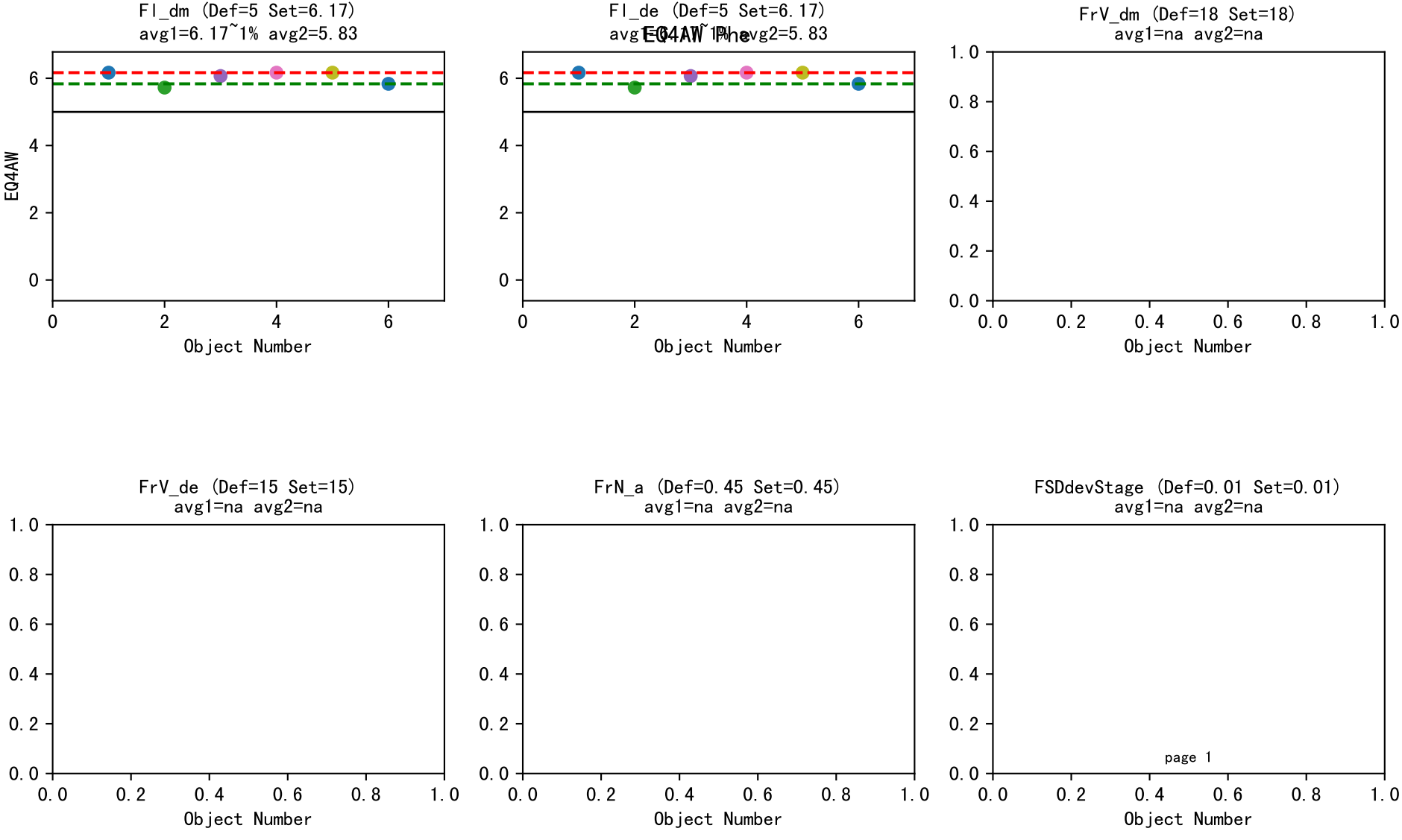
StH

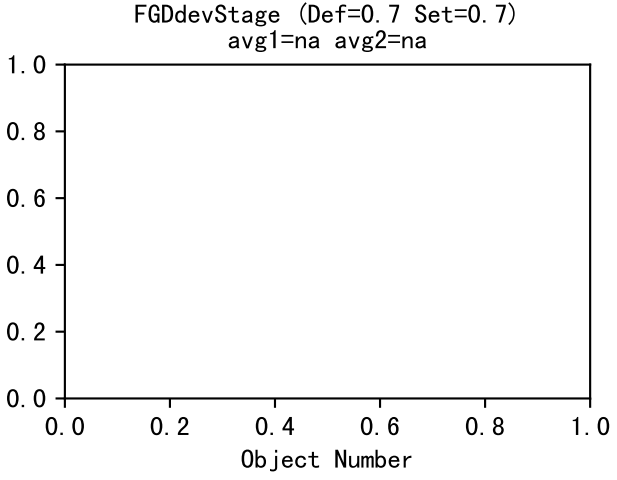

By Start Date
By Plant/Organ Age
EQ4AW
1.0
0.5
0.0
−0.5
−1.0
12
13
14
15
16
17
18
19
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
page 2

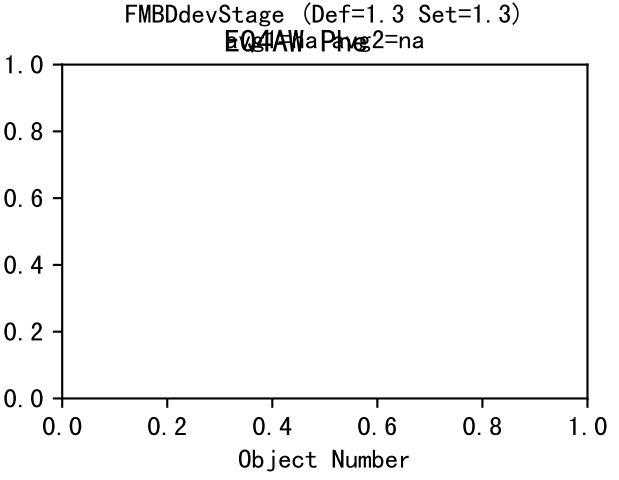

EQ4AW-27-18 (fit failed)
EQ4AW-33-62 (fit failed)
EQ4AW-38-23 (fit failed)
EQ4AW-42-9 (fit failed)
EQ4AW-49-56 (fit failed)
1.0
0.8
0.6
0.4
0.2
0.0
16
17
18
19
20
12
13
14
15

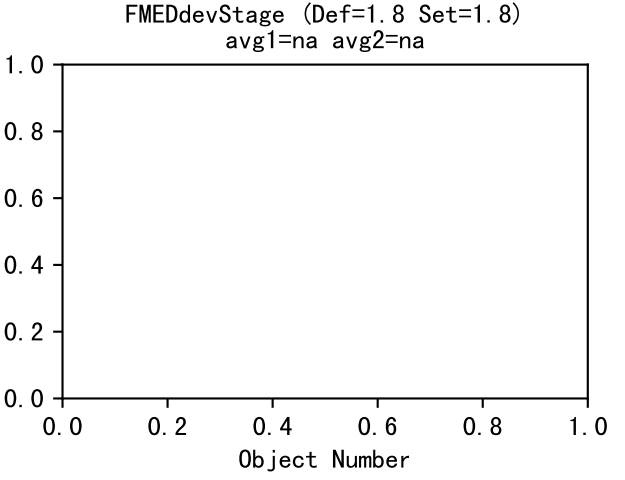

EQ4AWavg (fit failed)
TsN
1.0
0.8
0.6
0.4
0.2
0.0
16
17
18
19
20

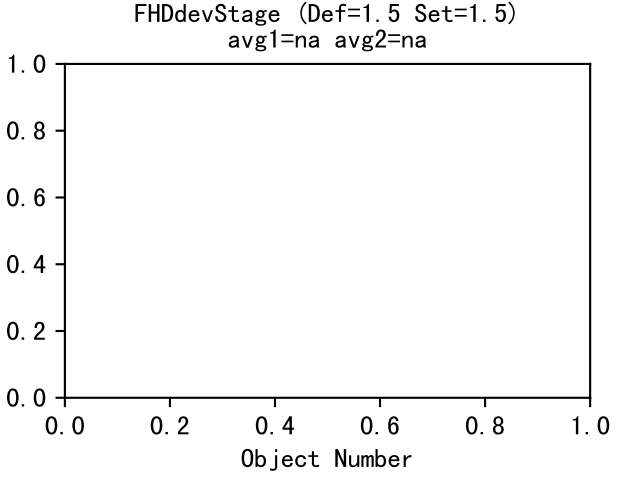

EQ4AW-33-62L7 (fit failed)
LfA
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
16
17
18
19
20

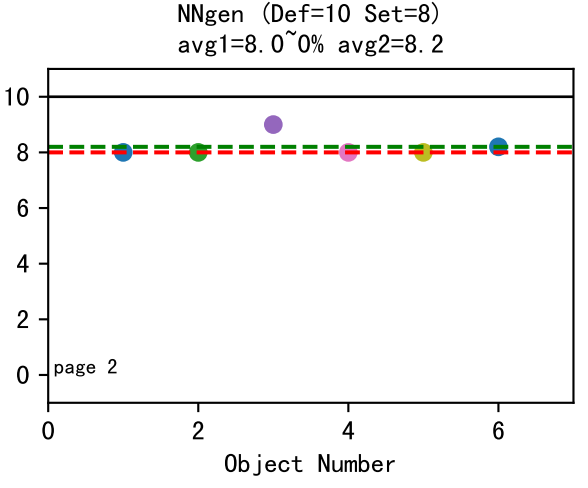

Fl_dm (Def=5 Set=6.17)
avg1=6.17~1% avg2=5.83
Fl_de (Def=5 Set=6.17)
avg1=6.17~1% avg2=5.83
EQ4AW The
FrV_dm (Def=18 Set=18)
avg1=na avg2=na
FrV_de (Def=15 Set=15)
avg1=na avg2=na
FrN_a (Def=0.45 Set=0.45)
avg1=na avg2=na
FSDdevStage (Def=0.01 Set=0.01)
avg1=na avg2=na
EQ4AW
Object Number
page 1

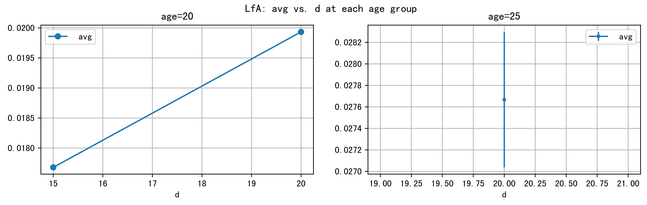

FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Object Number

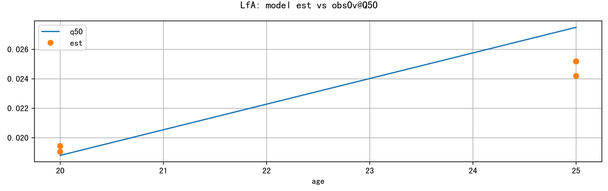

FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Object Number


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

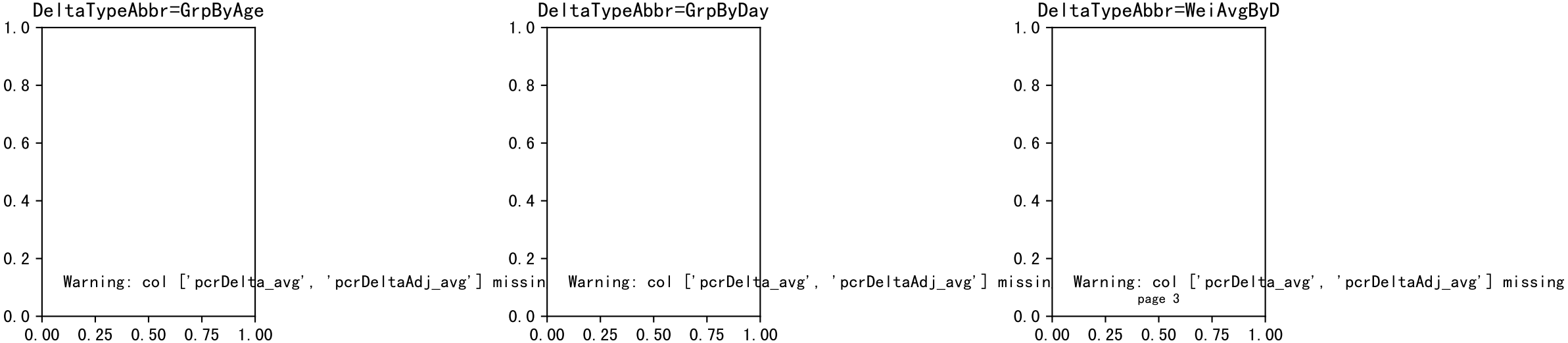

FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Object Number


NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=8.2
10
8
6
4
2
0
page 2
0
2
4
6
Object Number

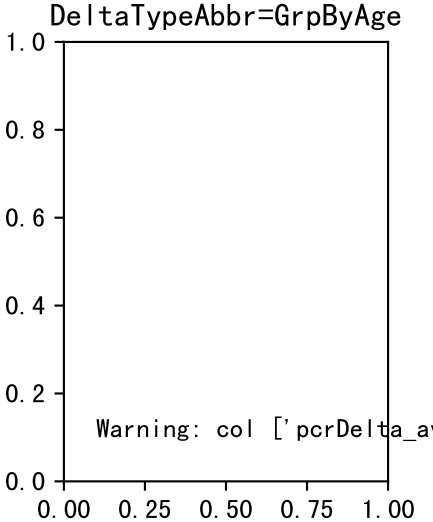

LfA: avg vs. d at each age group
age=20
avg
0.0200
0.0195
0.0190
0.0185
0.0180
15
16
17
18
19
20
d
age=25
avg
0.0282
0.0280
0.0278
0.0276
0.0274
0.0272
0.0270
19.00
19.25
19.50
19.75
20.00
20.25
20.50
20.75
21.00
d

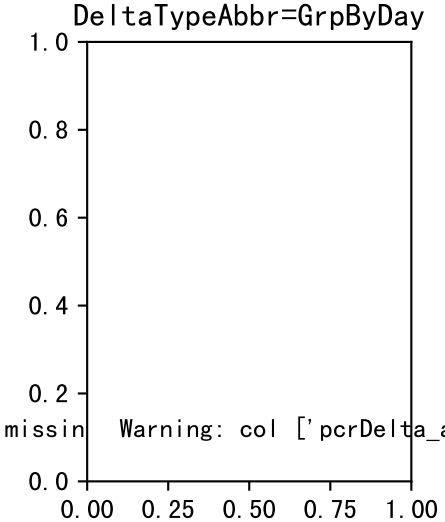

LfA: model est vs obs0v@Q50
q50
est
0.026
0.024
0.022
0.020
20
21
22
23
24
25
age

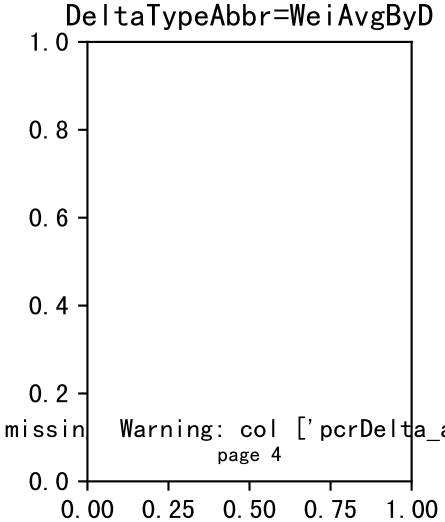
EQ4AW LfA: D_5d_LfA



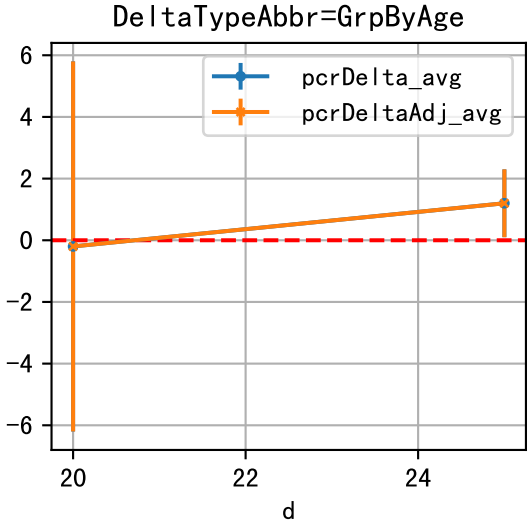
EQ4AW LfA: D_15d_LfA

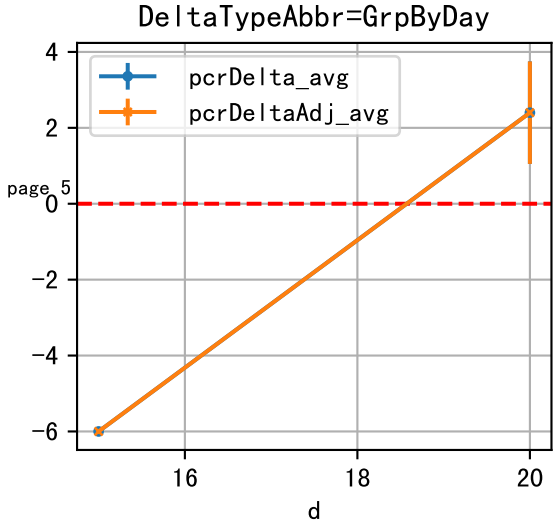


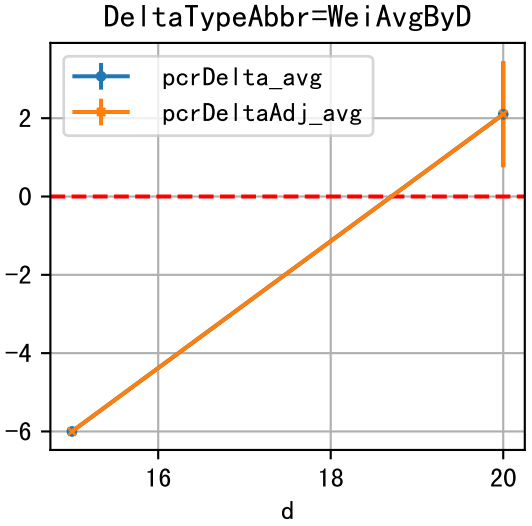




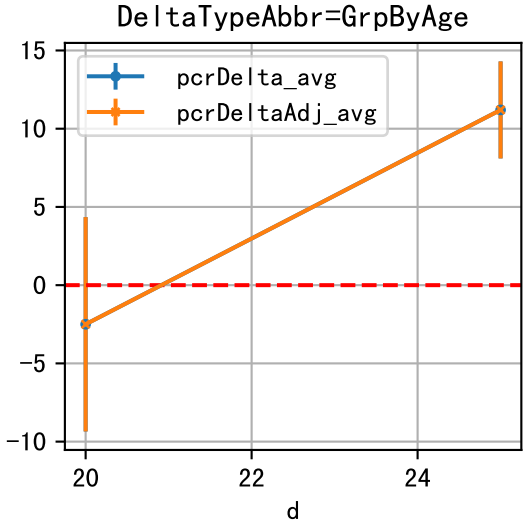
EQ4AW LfA: D_Q50_LfA

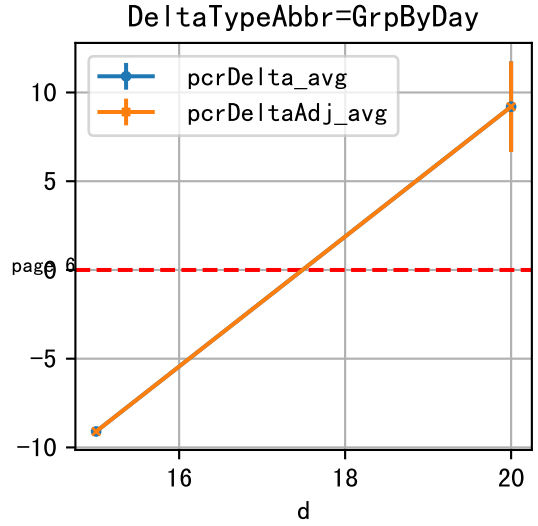


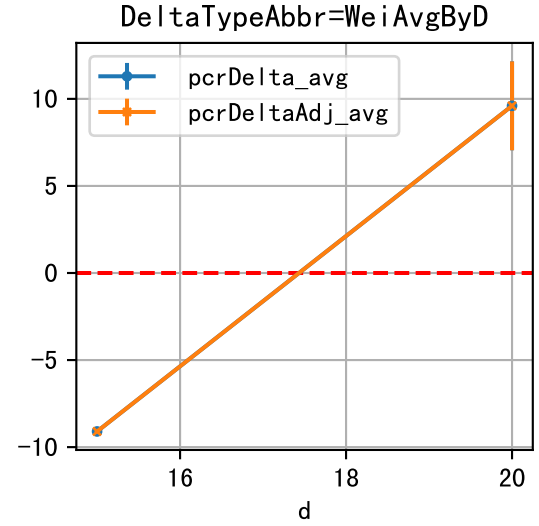


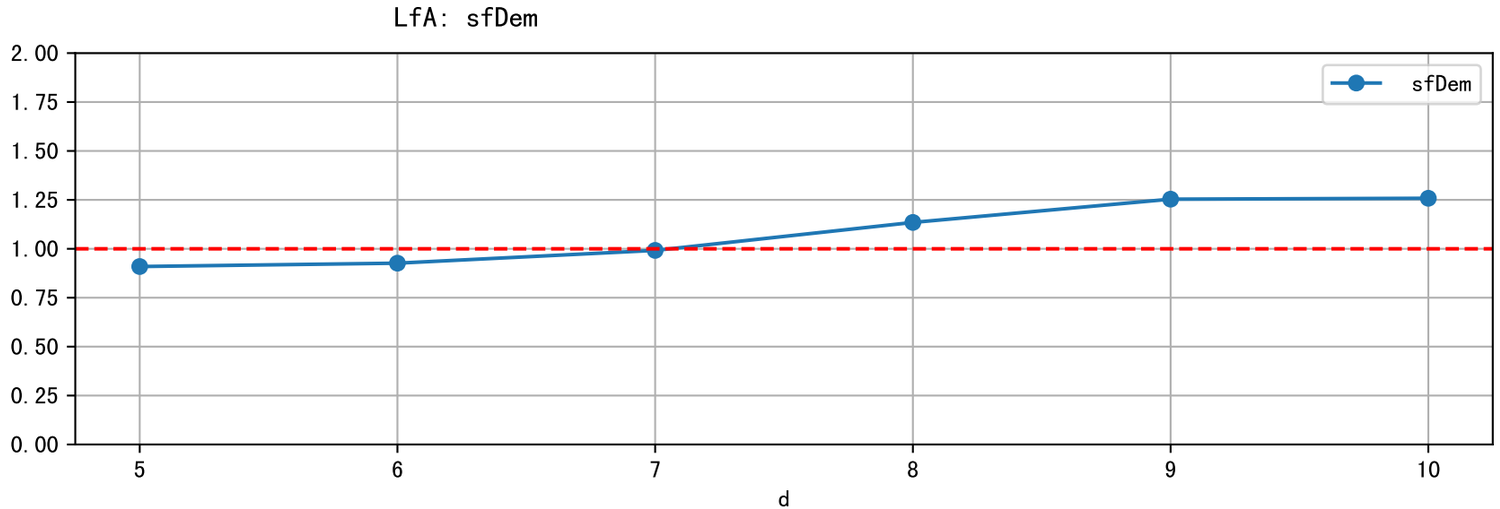


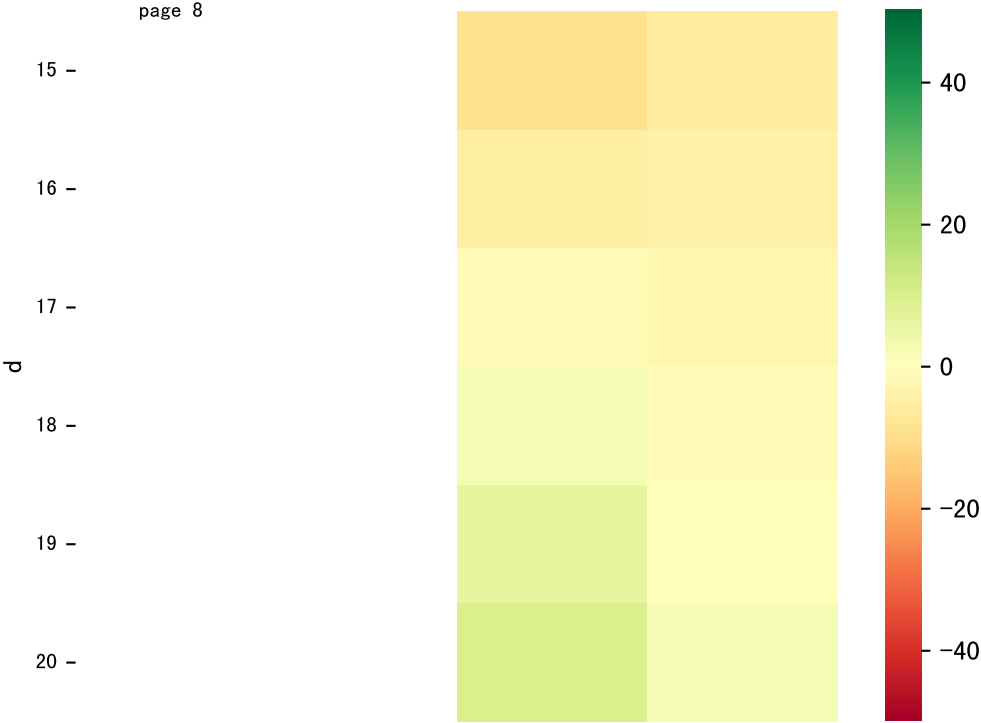
EQ4AW LfA: D_Est_LfA

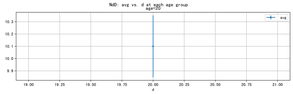


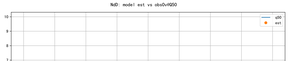




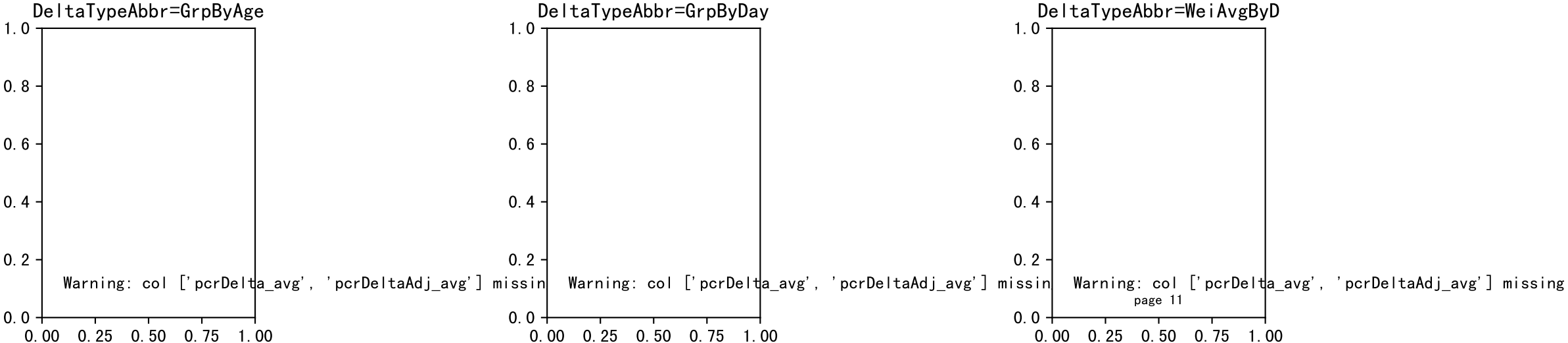

LfA: sfDem
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
5
6
7
8
9
10
d
sfDem


15
16
17
18
19
20
d
40
20
0
−20
−40

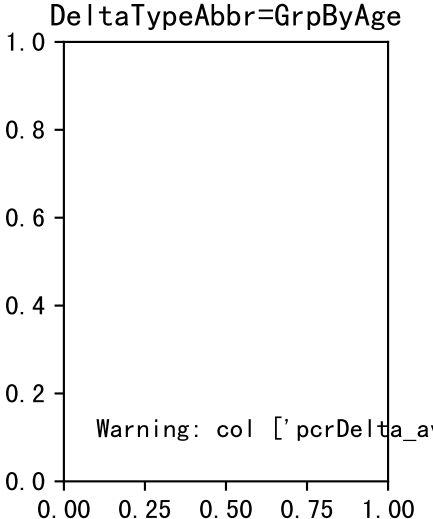

NaD: avg vs. d at each age group
age=20
avg
10.3
10.2
10.1
10.0
9.9
19.00
19.25
19.50
19.75
20.00
20.25
20.50
20.75
21.00
d

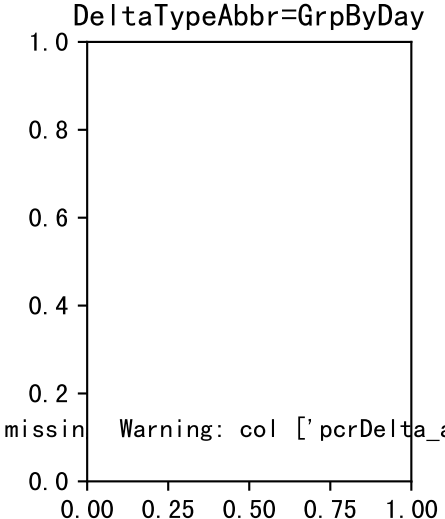

NUD: model est vs obs0=0200
x20
est
10
9
8
7
6
19.00
19.25
19.50
19.75
20.00
20.25
20.50
20.75
21.00
nao

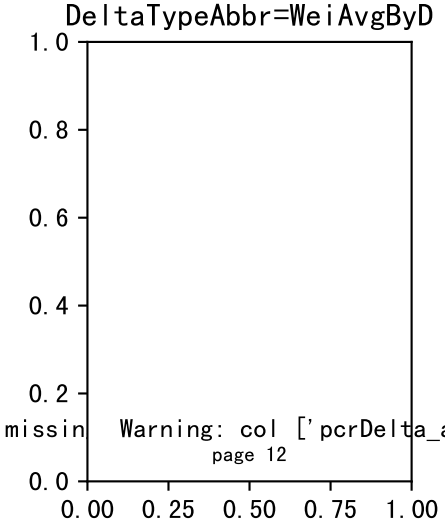
EQ4AW NdD: D_5d_NdD

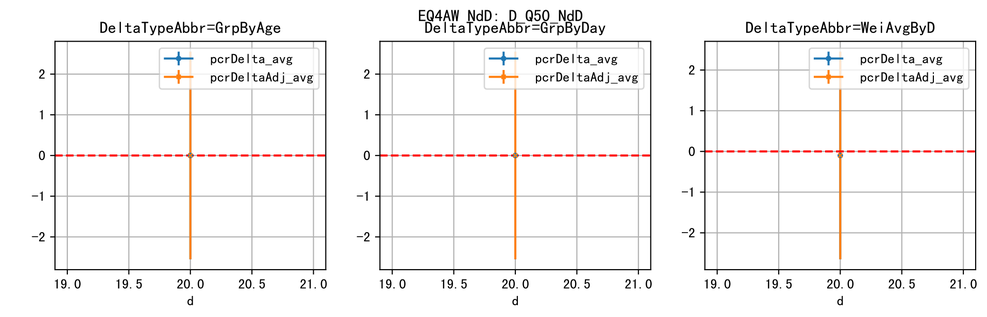


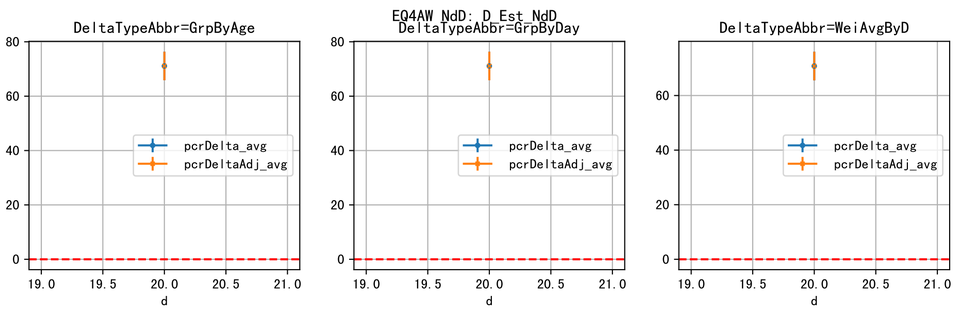
EQ4AW NdD: D_15d_NdD



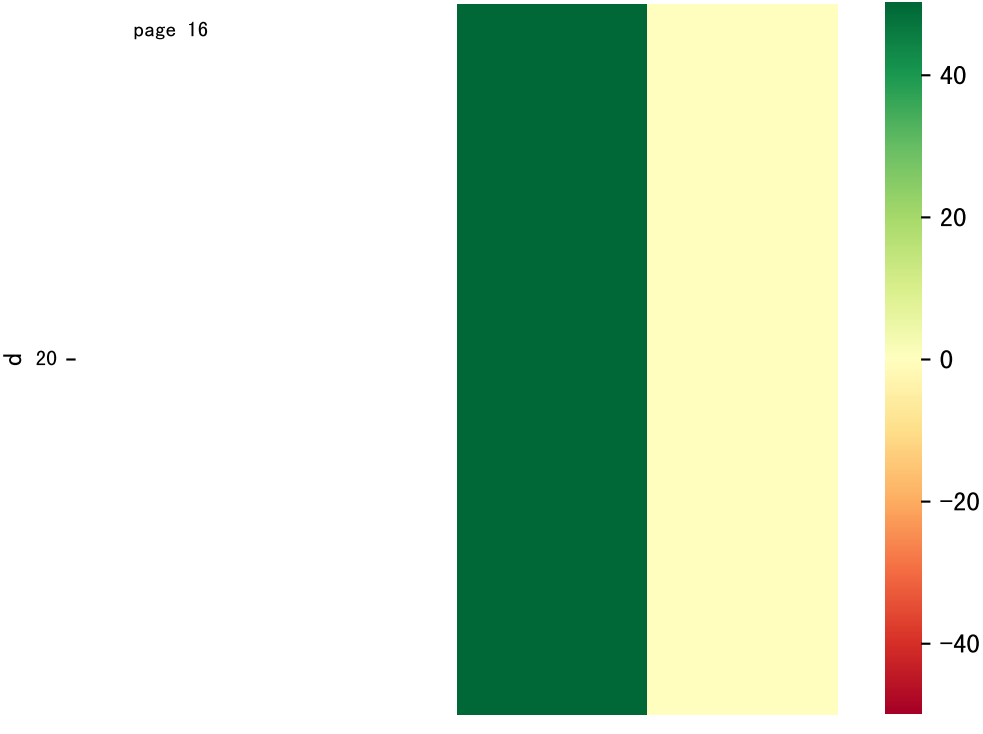


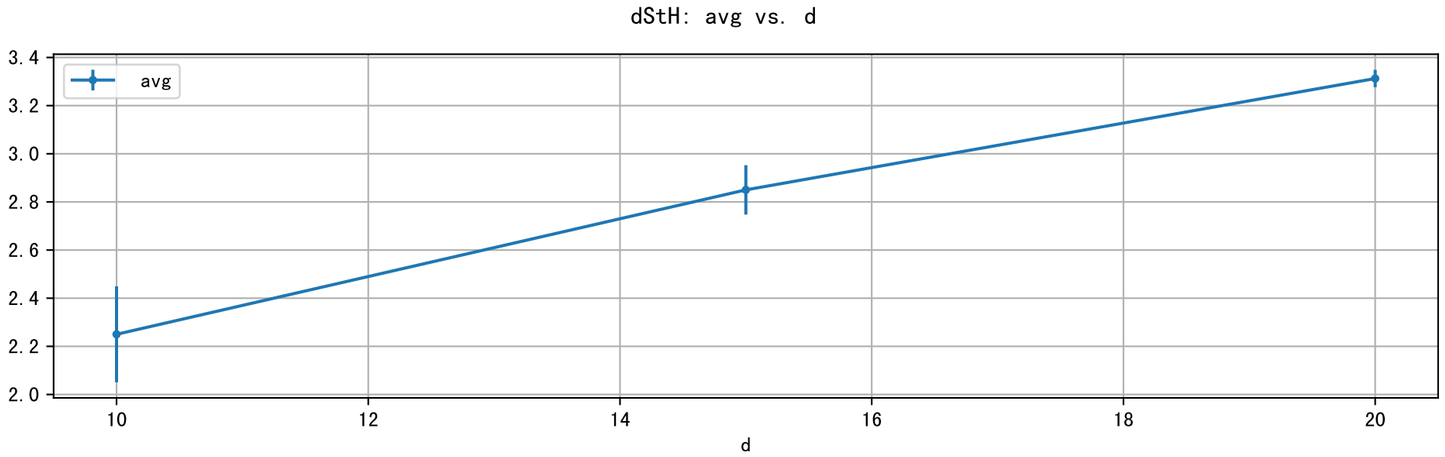


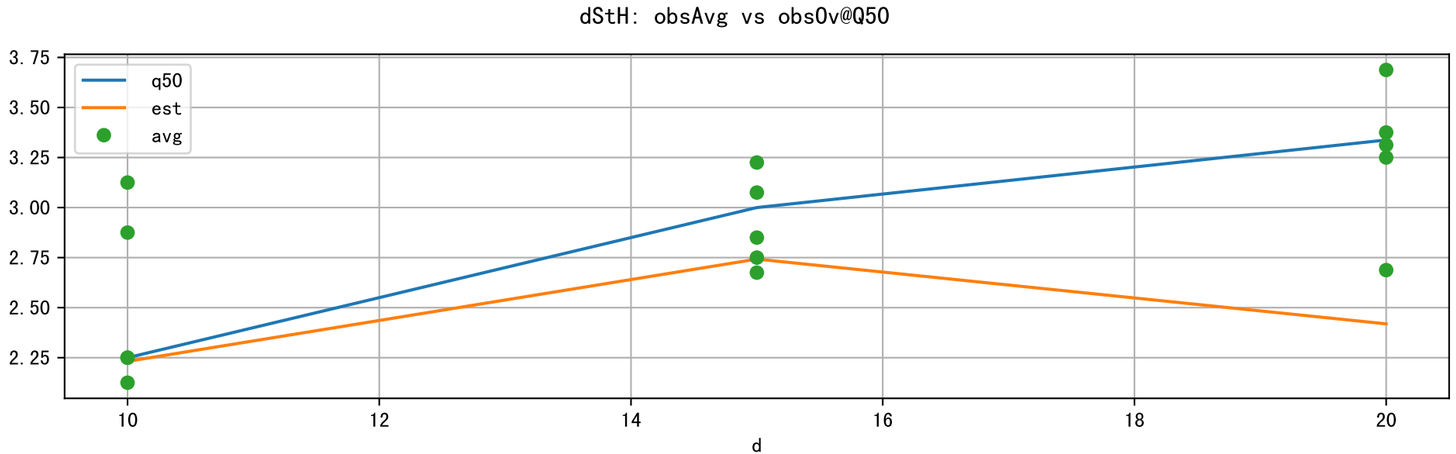

EQ4AW_NdD: D_Q50_NdD
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
2
1
0
−1
−2
19.0
19.5
20.0
20.5
21.0
d

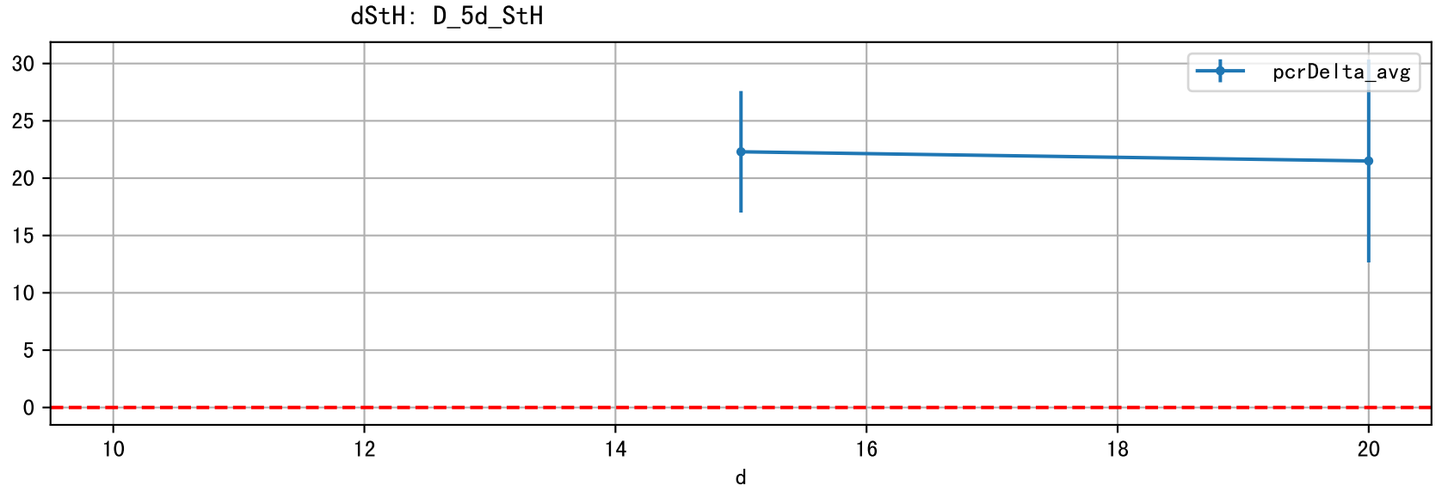

EQ4AW_NdD: D_Est_NdD
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
80
60
40
20
0
19.0
19.5
20.0
20.5
21.0
d

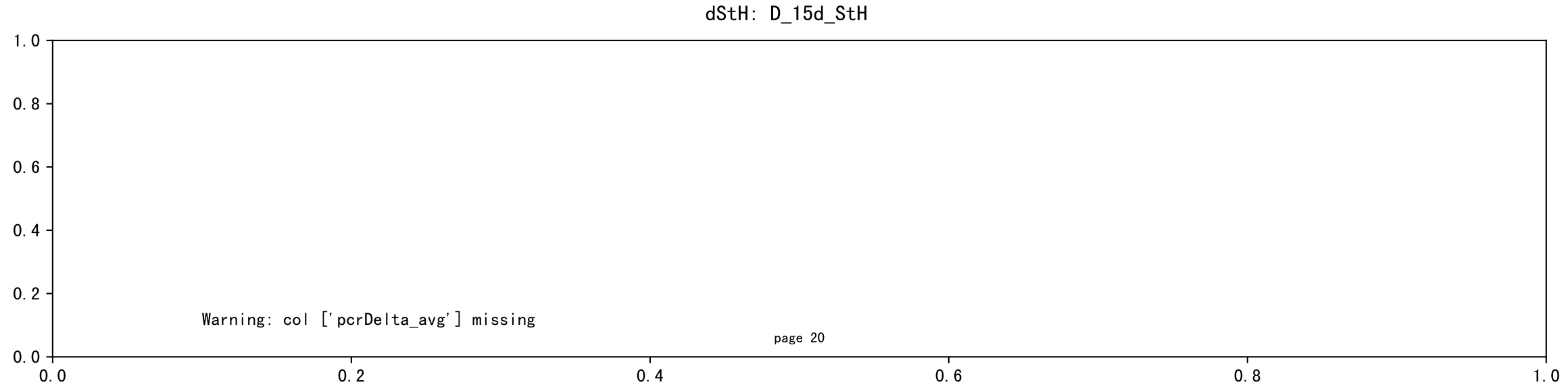
NuD: s/Dom
s/Dom
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
9.6
9.8
10.0
10.2
10.4
P

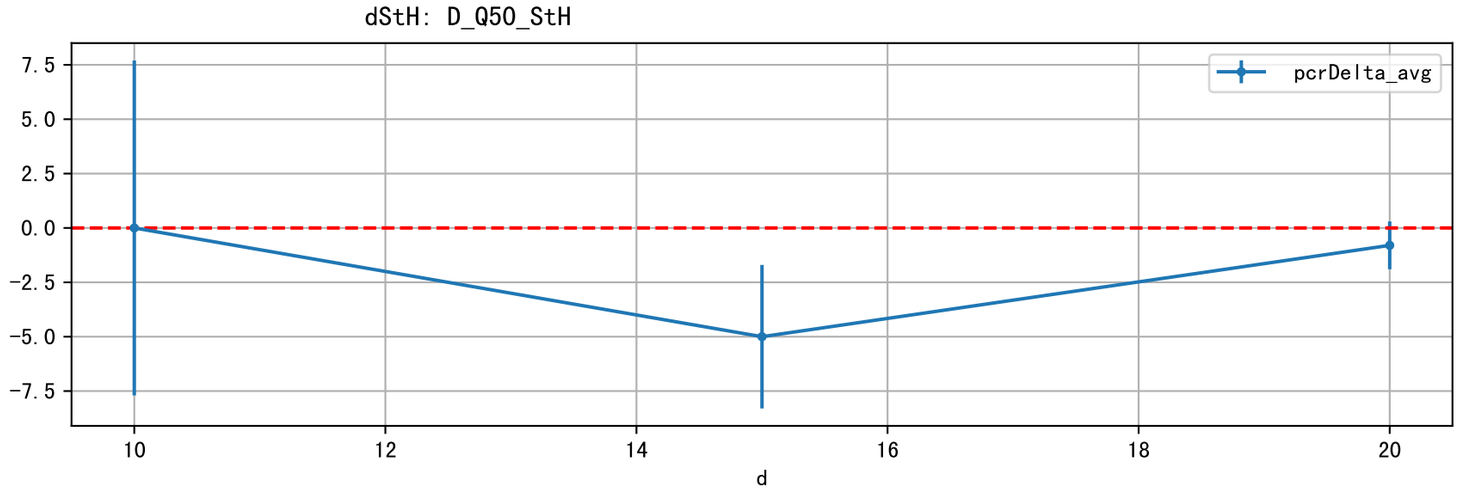

d
20
40
20
0
−20
−40

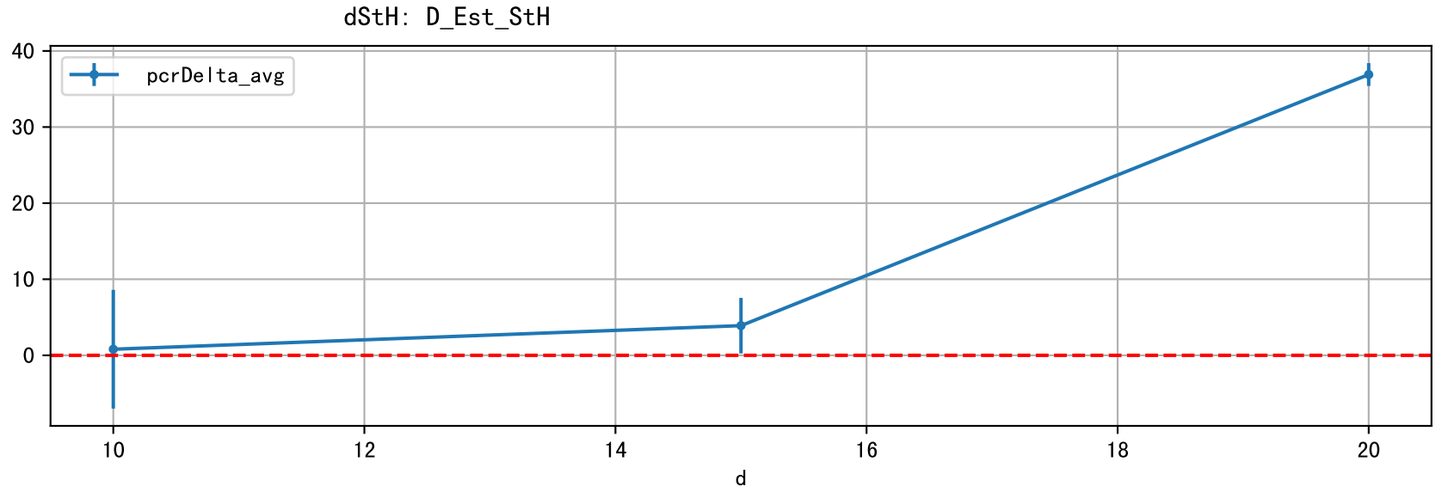

dStH: avg vs. d
avg
3.4
3.2
3.0
2.8
2.6
2.4
2.2
2.0
10
12
14
16
18
20
d

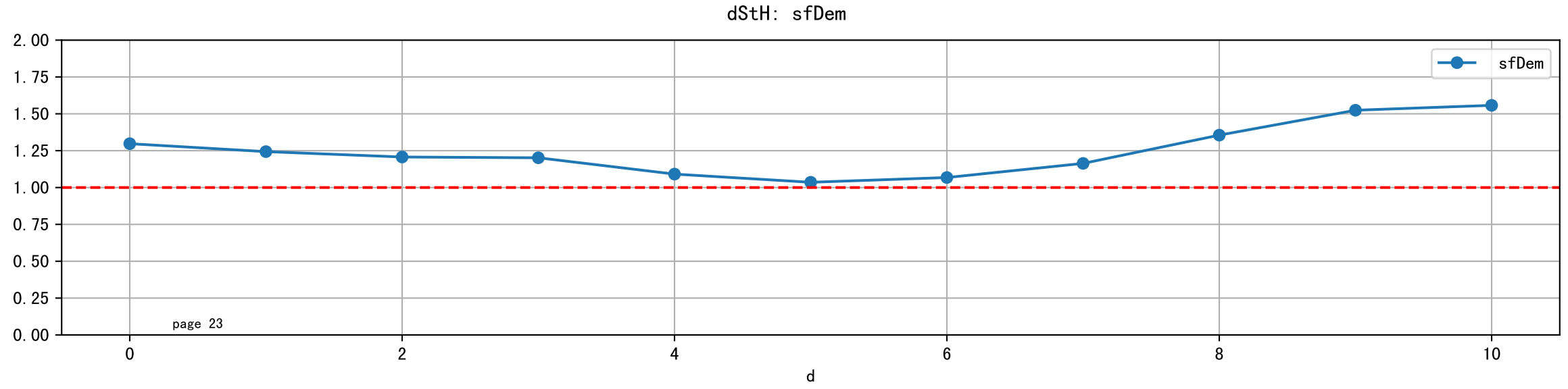

dStH: obsAvg vs obsOv@Q50
q50
est
avg
3.75
3.50
3.25
3.00
2.75
2.50
2.25
10
12
14
16
18
20
d

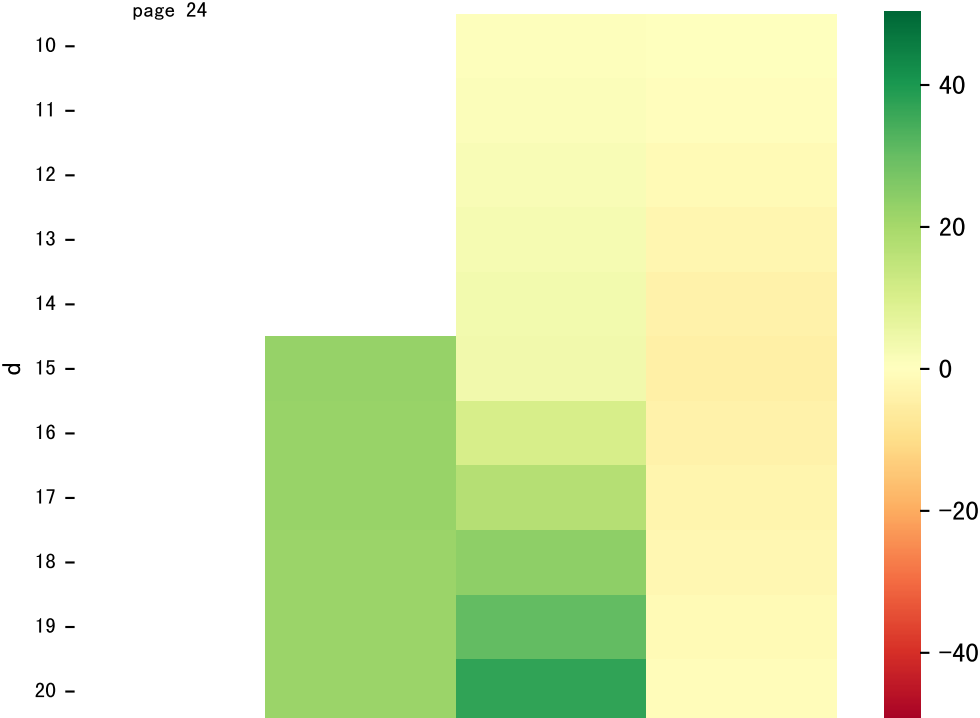

dStH: D_5d_StH
pcrDelta_avg
30
25
20
15
10
5
0
10
12
14
16
18
20
d

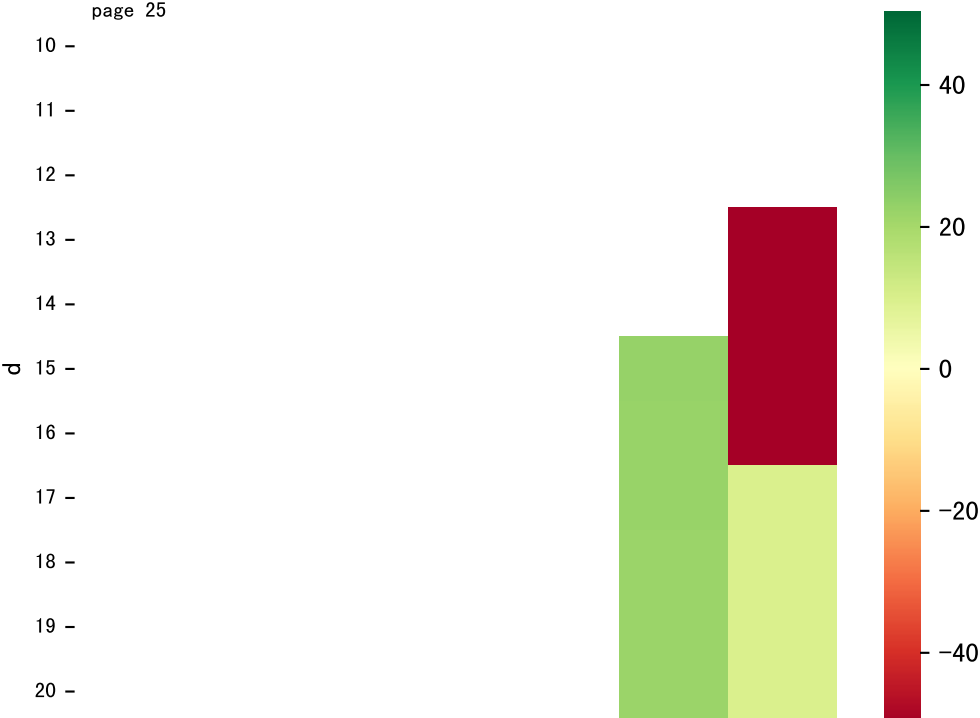

dStH: D_15d_StH
1.0
0.8
0.6
0.4
0.2
0.0
Warning: col ['pcrDelta_avg'] missing
page 20
0.0
0.2
0.4
0.6
0.8
1.0


dStH: D_Q50_StH
pcrDelta_avg
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
10
12
14
16
18
20
d


dStH: D_Est_StH
pcrDelta_avg
40
30
20
10
0
10
12
14
16
18
20
d


dStH: sfDem
sfDem
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
2
4
6
8
10
d
page 23


d
10
11
12
13
14
15
16
17
18
19
20
40
20
0
−20
−40


10
11
12
13
14
15
16
17
18
19
20
d
40
20
0
−20
−40