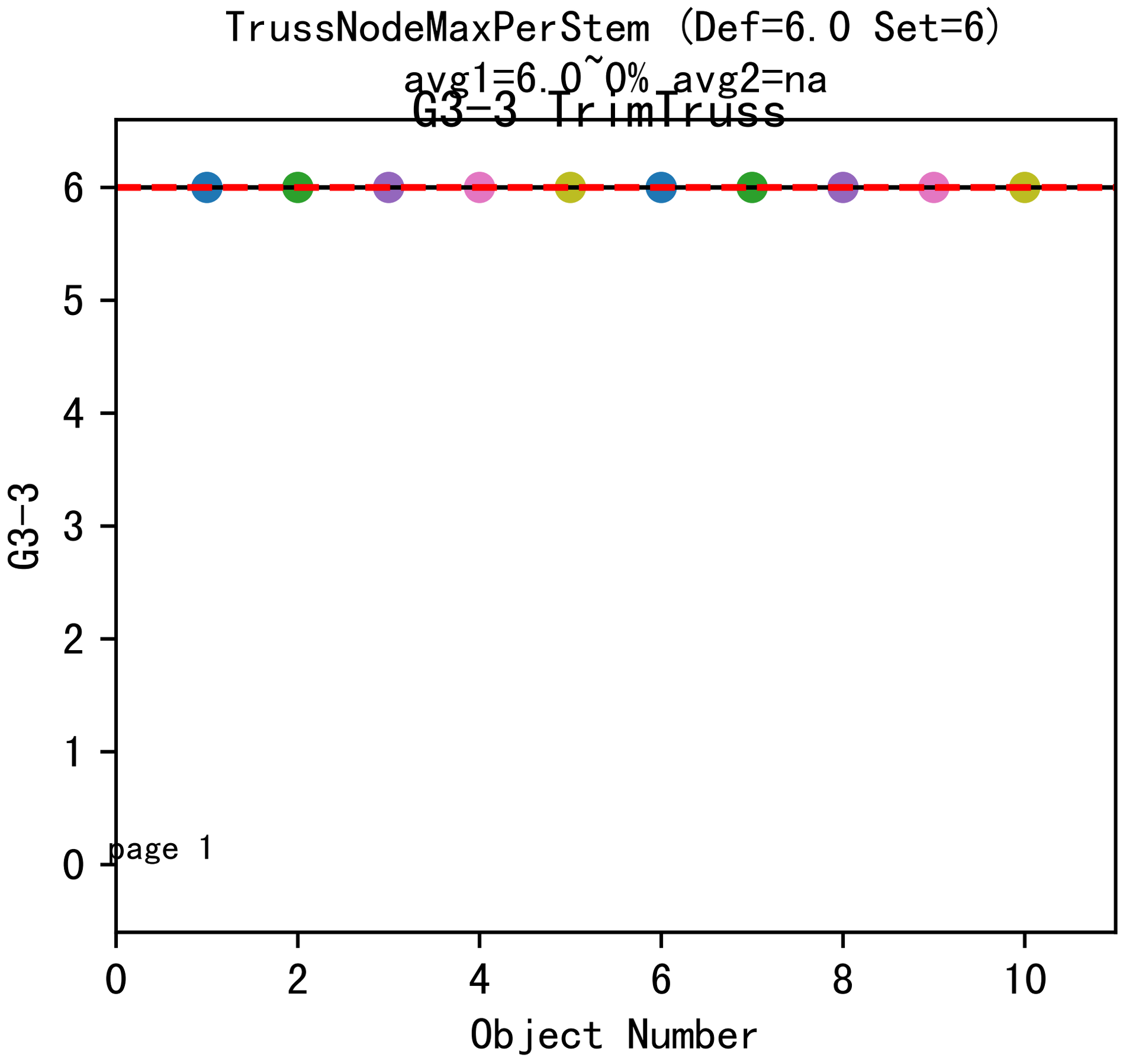
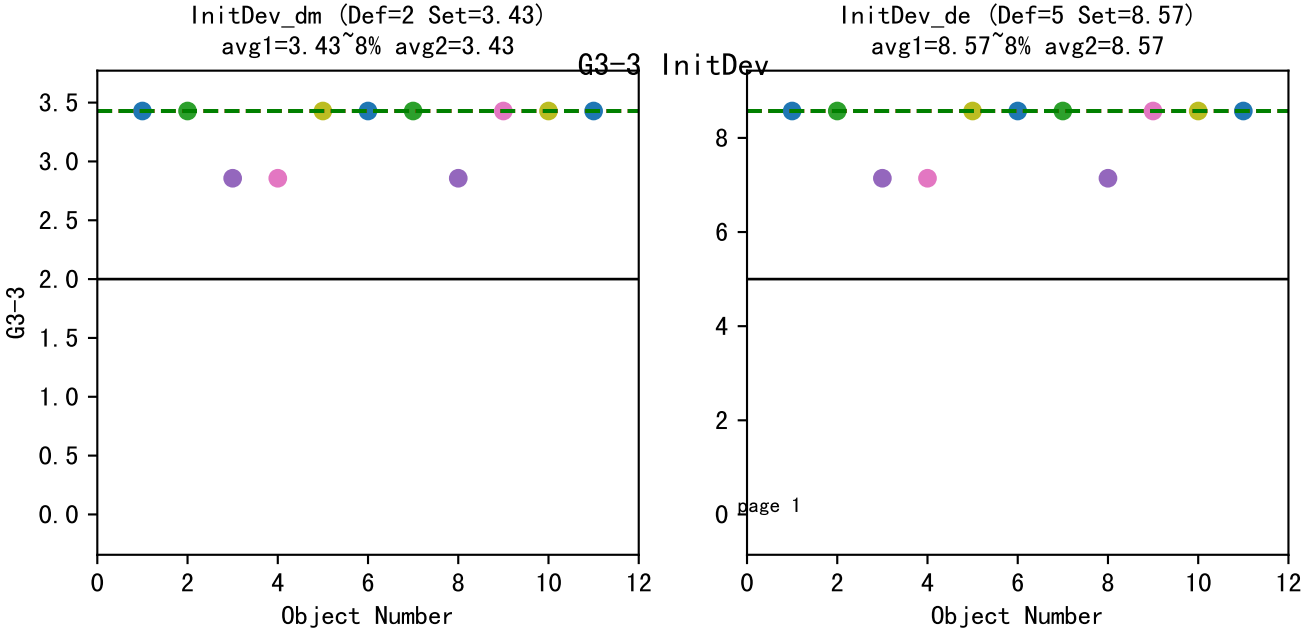
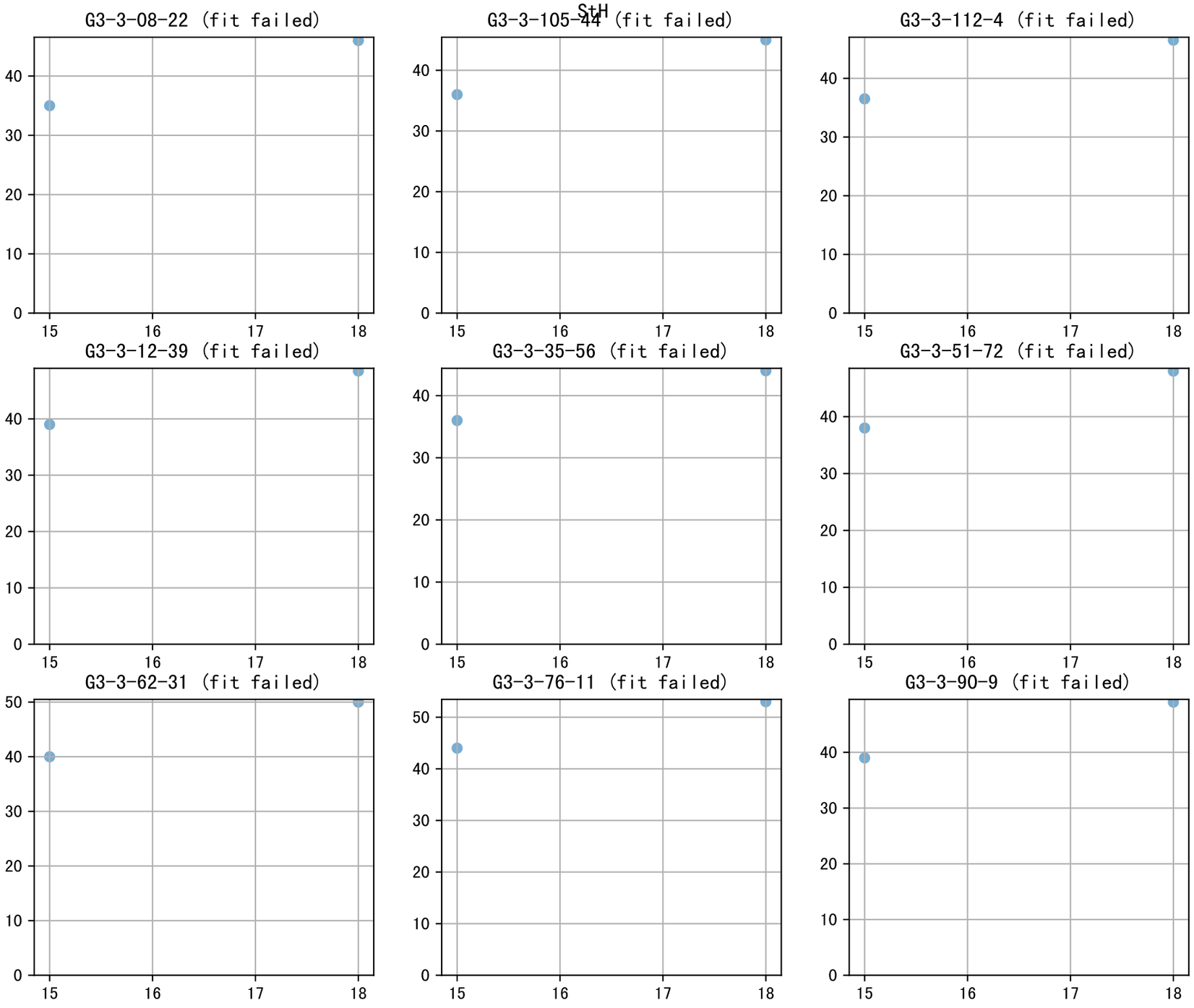
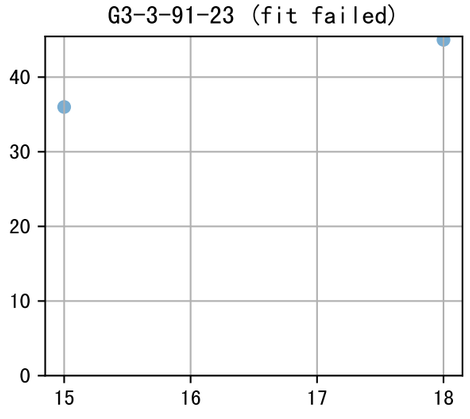
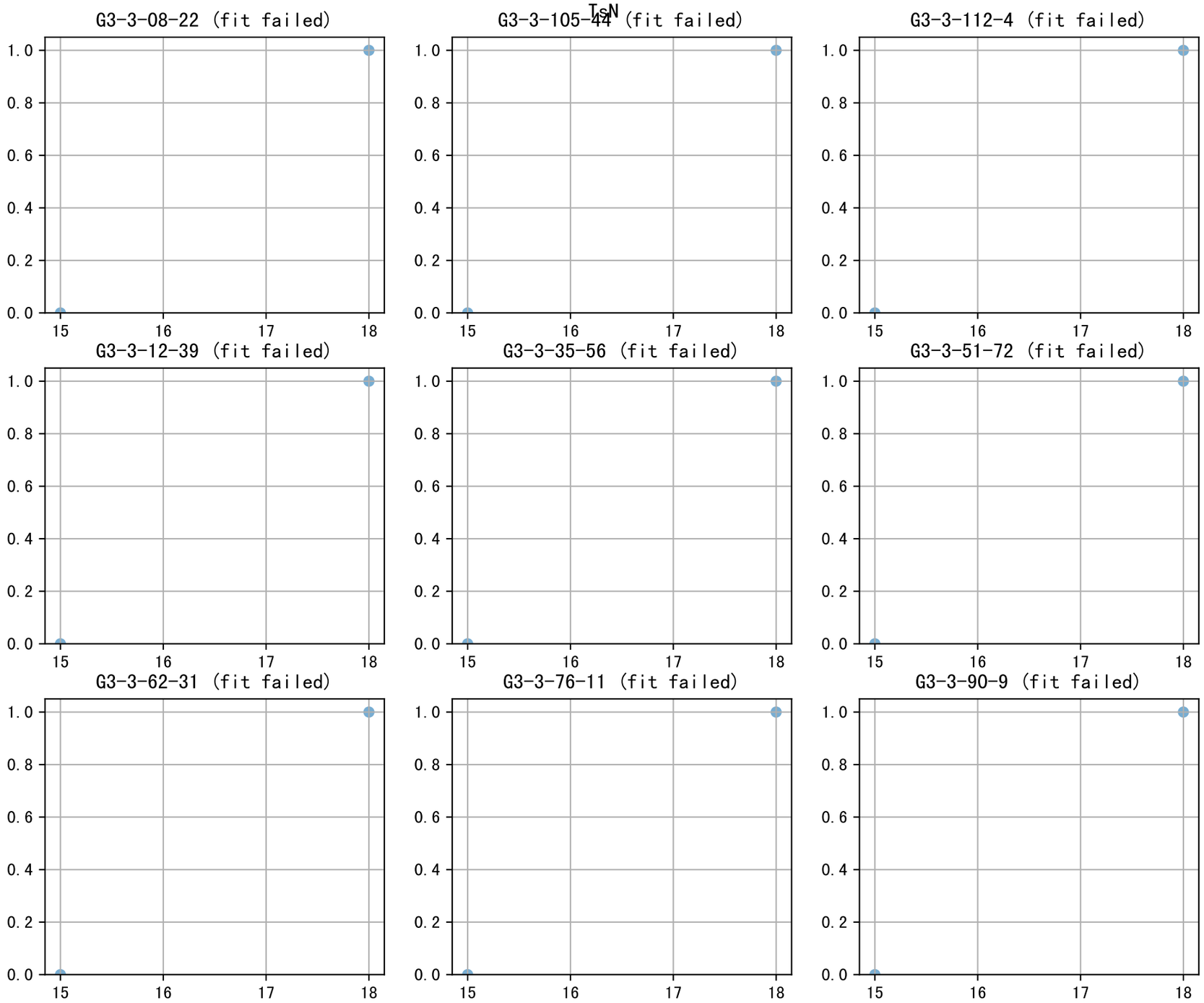
Phenotype Data Analysis Plots
PhenoData day range = 15 - 18
Analysis cutoff day = 18
NC11 G3-3
2025-05-31 (Day 19)

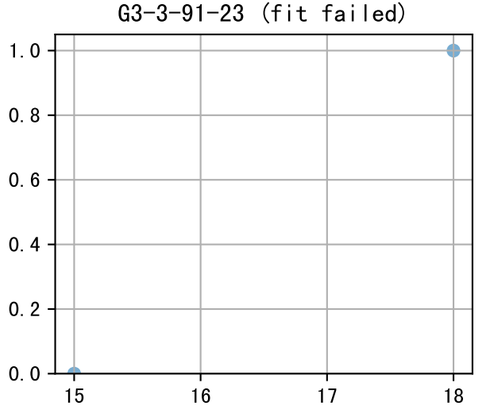

TrussNodeMaxPerStem (Def=6.0 Set=6)
avg1=6.0~0% avg2=na
G3-3 TrimTruss
page 1
G3-3
Object Number
0
1
2
3
4
5
6
0
2
4
6
8
10

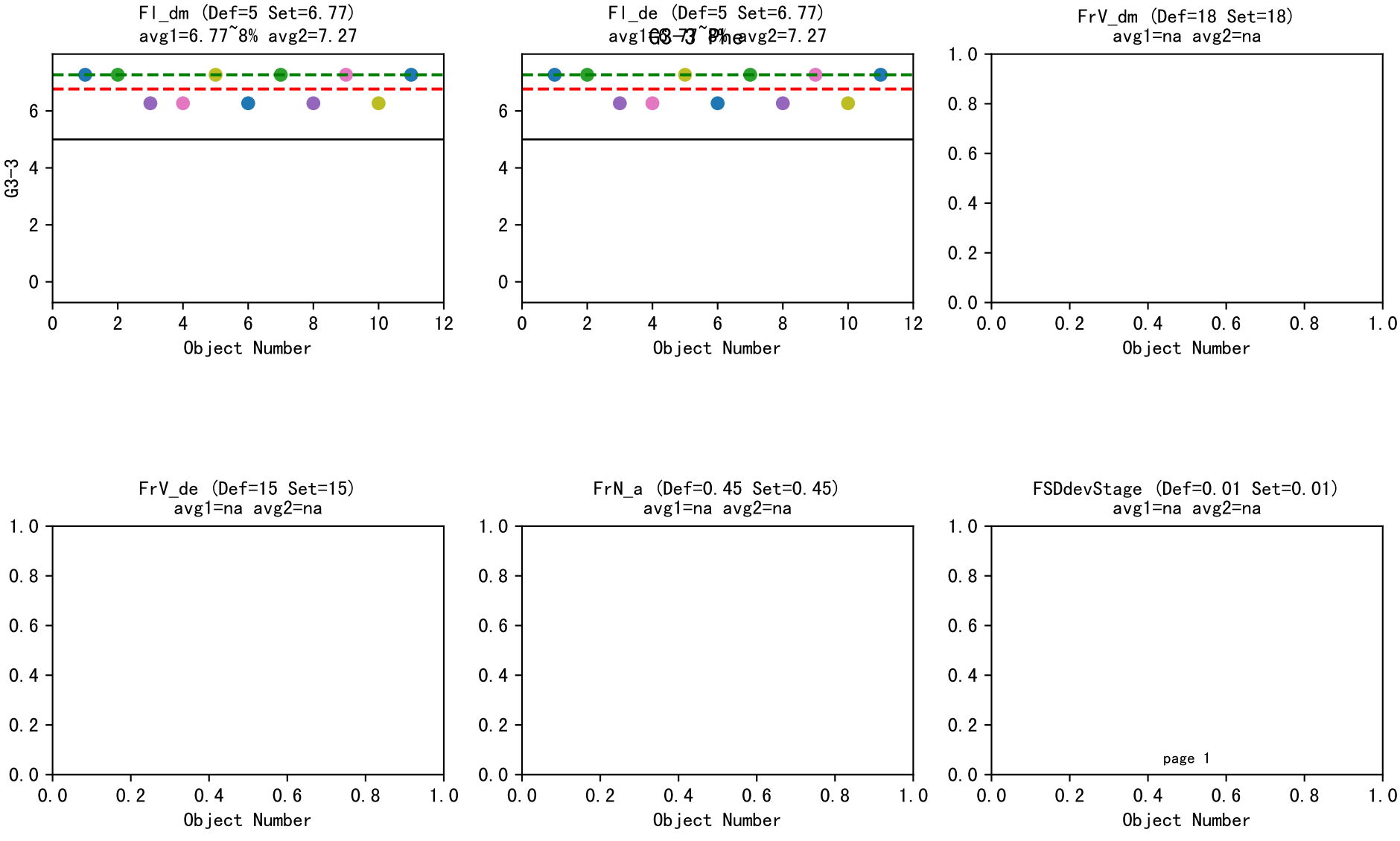

G3-3 InitDev
InitDev_dm (Def=2 Set=3.43)
avg1=3.43~8% avg2=3.43
InitDev_de (Def=5 Set=8.57)
avg1=8.57~8% avg2=8.57
G3-3
Object Number
Object Number
page 1

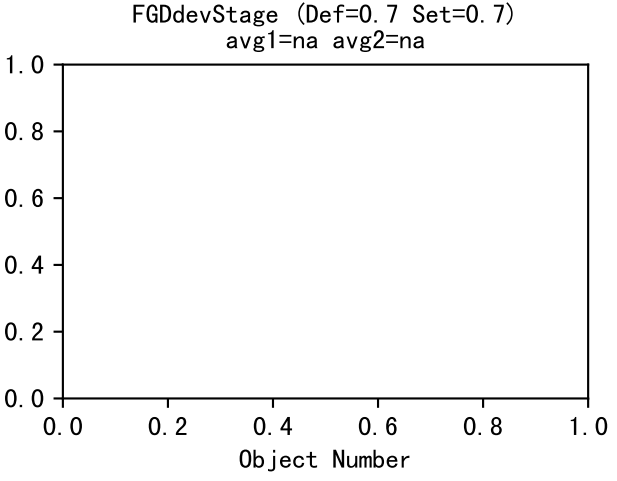

StH
G3-3-08-22 (fit failed)
G3-3-105-44 (fit failed)
G3-3-112-4 (fit failed)
G3-3-12-39 (fit failed)
G3-3-35-56 (fit failed)
G3-3-51-72 (fit failed)
G3-3-62-31 (fit failed)
G3-3-76-11 (fit failed)
G3-3-90-9 (fit failed)

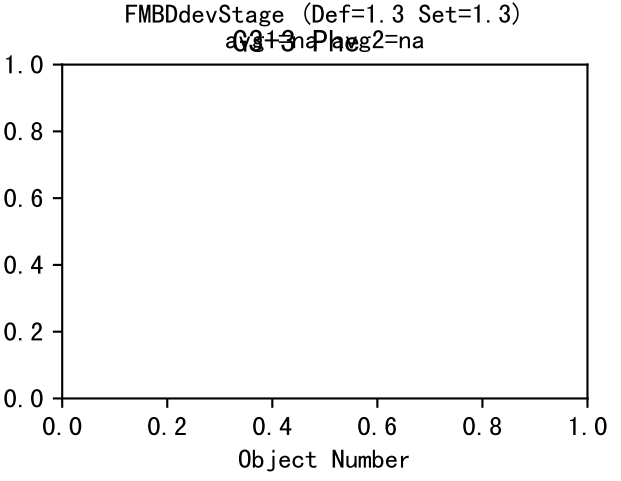

G3-3-91-23 (fit failed)
40
30
20
10
0
15
16
17
18

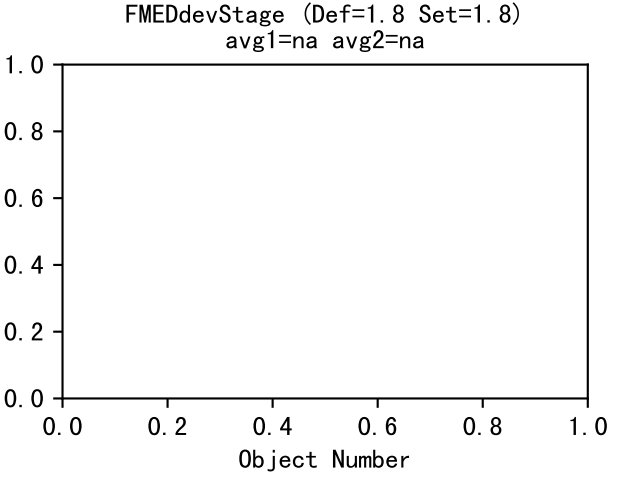

TsN
G3-3-08-22 (fit failed)
G3-3-105-44 (fit failed)
G3-3-112-4 (fit failed)
G3-3-12-39 (fit failed)
G3-3-35-56 (fit failed)
G3-3-51-72 (fit failed)
G3-3-62-31 (fit failed)
G3-3-76-11 (fit failed)
G3-3-90-9 (fit failed)
1.0
0.8
0.6
0.4
0.2
0.0
15
16
17
18

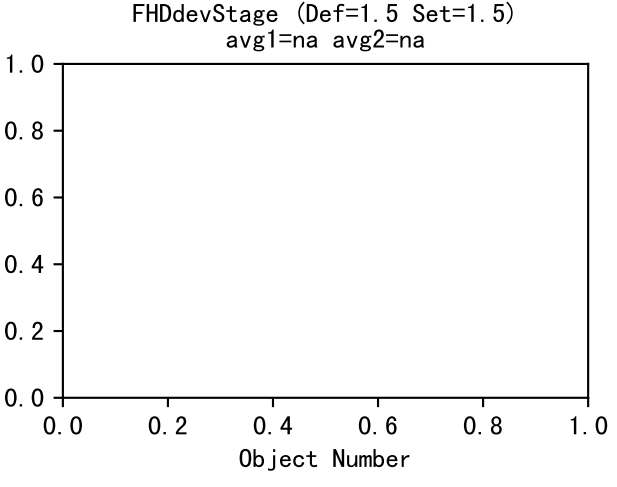

G3-3-91-23 (fit failed)
1.0
0.8
0.6
0.4
0.2
0.0
15
16
17
18

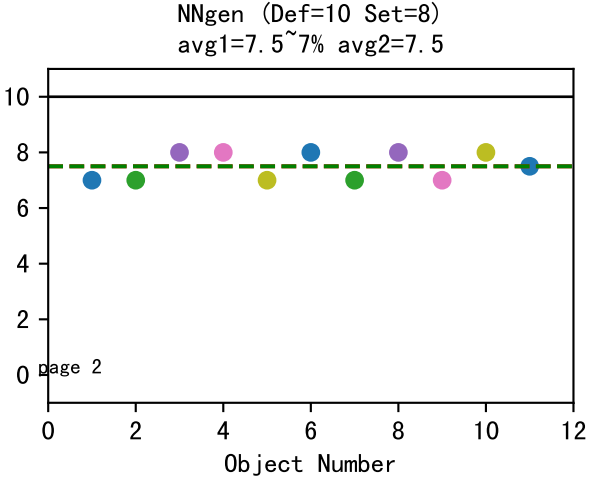

Fl_dm (Def=5 Set=6.77)
avg1=6.77~8% avg2=7.27
Fl_de (Def=5 Set=6.77)
avg1=6.77~8% avg2=7.27
FrV_dm (Def=18 Set=18)
avg1=na avg2=na
FrV_de (Def=15 Set=15)
avg1=na avg2=na
FrN_a (Def=0.45 Set=0.45)
avg1=na avg2=na
FSDdevStage (Def=0.01 Set=0.01)
avg1=na avg2=na
G3-3
Object Number
page 1

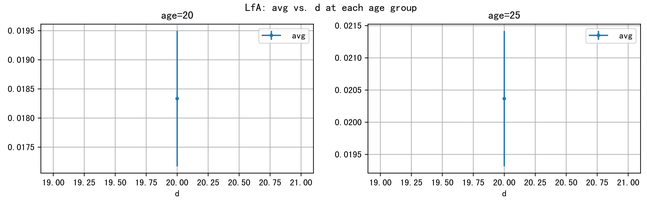

FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Object Number

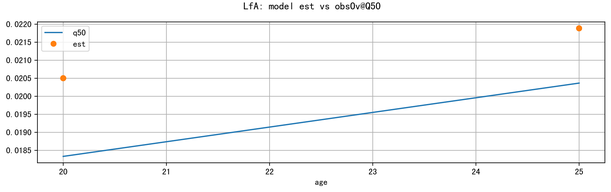

FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Object Number


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

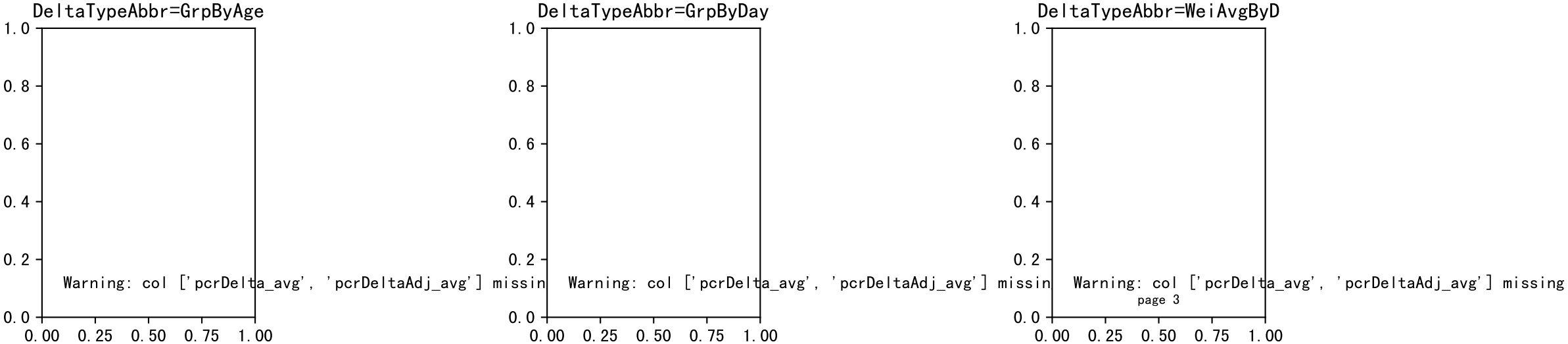

FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Object Number


NNgen (Def=10 Set=8)
avg1=7.5~7% avg2=7.5
10
8
6
4
2
0
0
2
4
6
8
10
12
Object Number

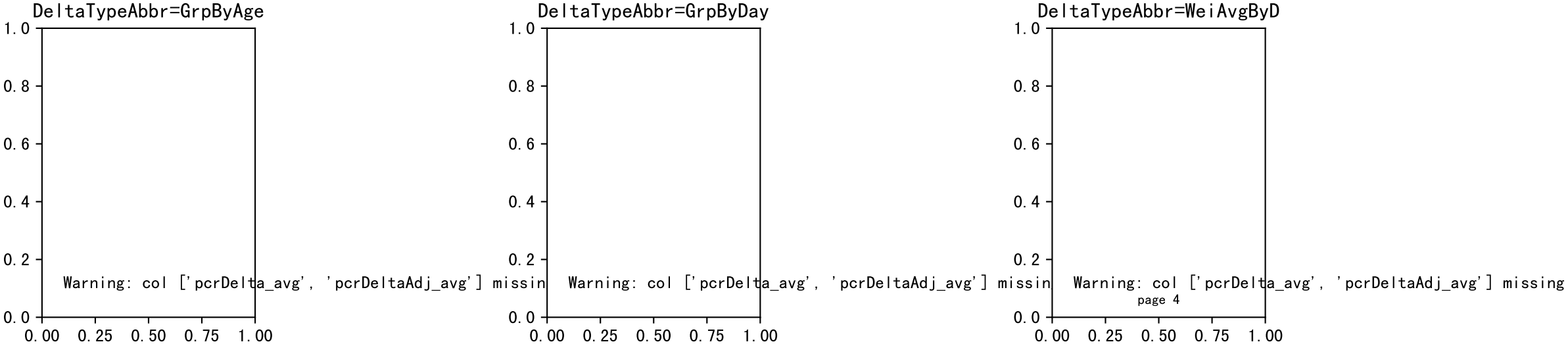

LfA: avg vs. d at each age group
age=20
avg
0.0195
0.0190
0.0185
0.0180
0.0175
19.00 19.25 19.50 19.75 20.00 20.25 20.50 20.75 21.00
d
age=25
avg
0.0215
0.0210
0.0205
0.0200
0.0195
19.00 19.25 19.50 19.75 20.00 20.25 20.50 20.75 21.00
d

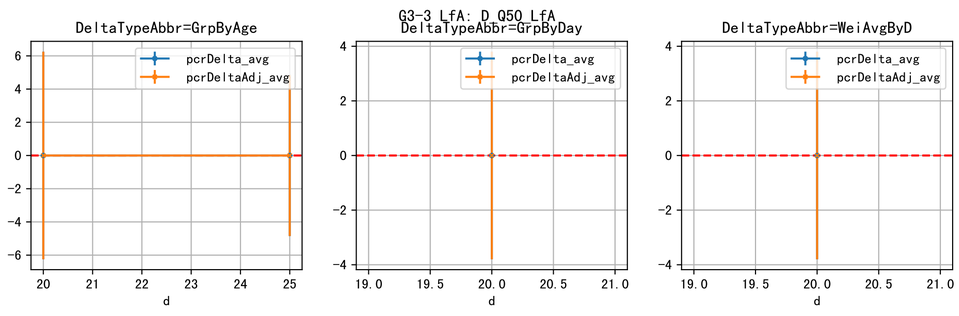

LfA: model est vs obs0v@Q50
q50
est
0.0220
0.0215
0.0210
0.0205
0.0200
0.0195
0.0190
0.0185
20
21
22
23
24
25
age

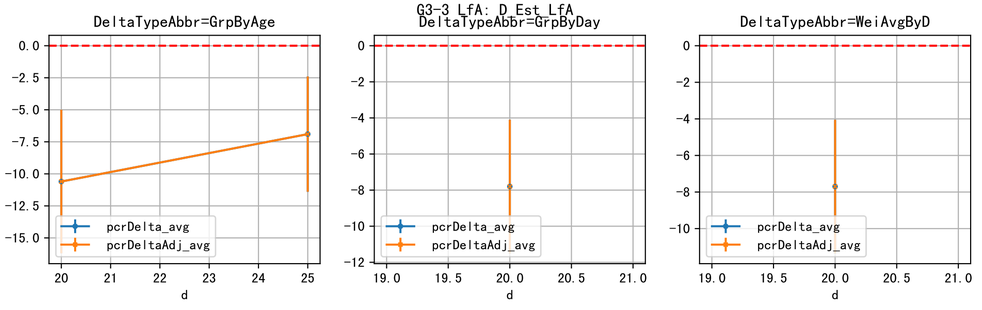
G3-3 LfA: D_5d_LfA



G3-3 LfA: D_15d_LfA

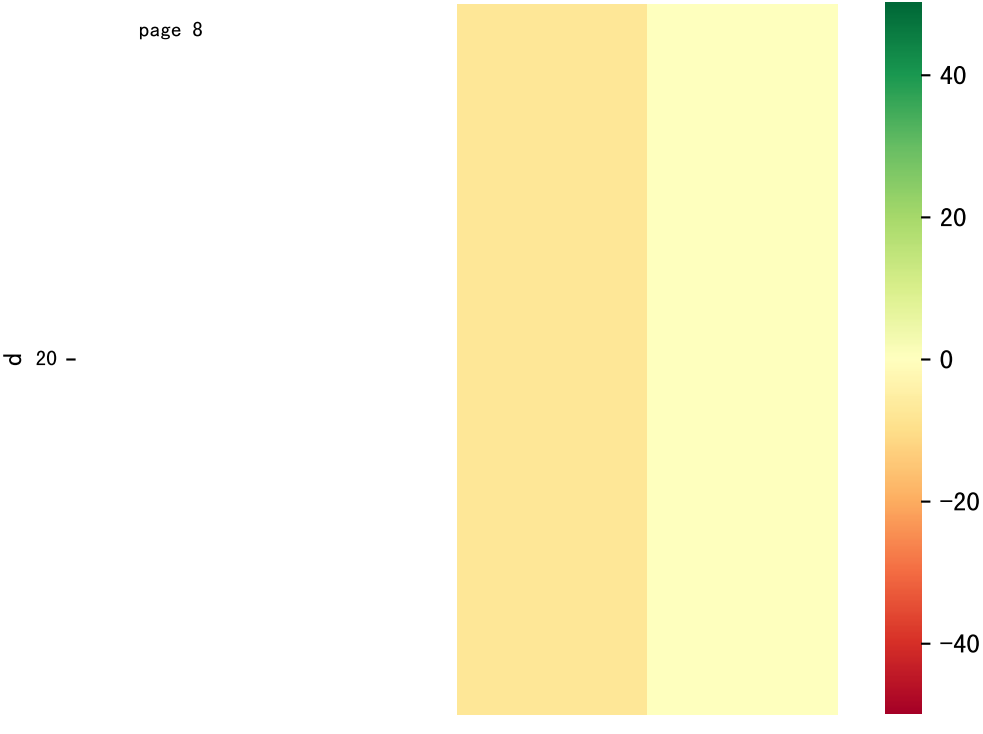


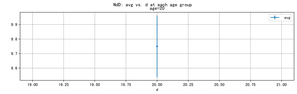

G3-3 LfA: D Q5Q LfA
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

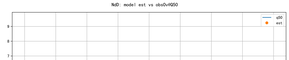

G3-3 LfA: D_Est_LfA
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d

year 1

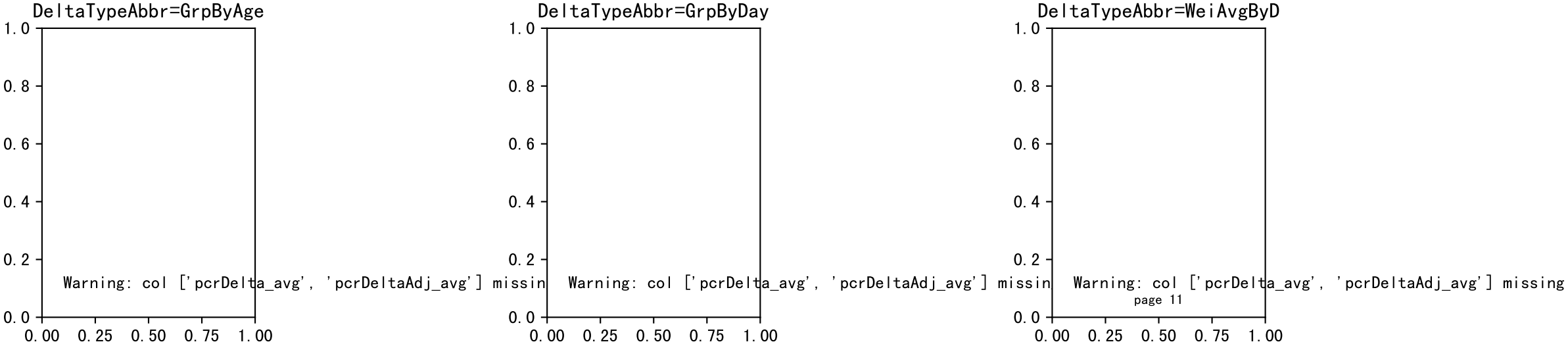
L/A : s70cm
s70cm
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
9.6
9.8
10.0
10.2
10.4
P


d
20
40
20
0
−20
−40

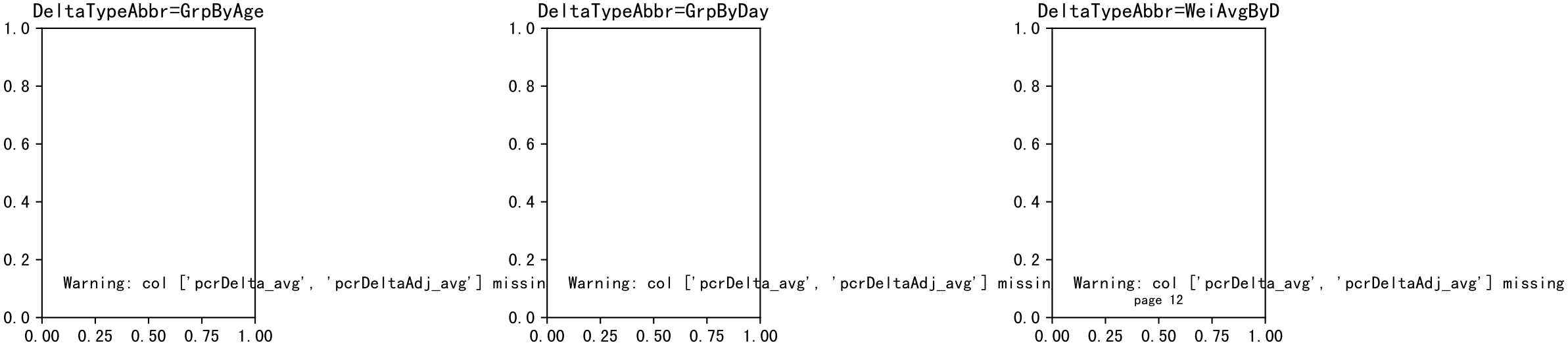

NaD: avg vs. # at each age group
age
avg
0.9
0.8
0.7
0.6
19.00
19.25
19.50
19.75
20.00
20.25
20.50
20.75
21.00
#

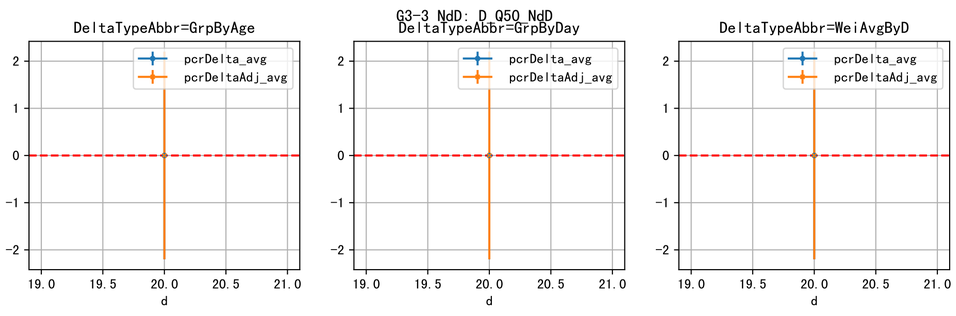

NaD: model est vs obs0=0200
x20
est
9
8
7
6
19.00
19.25
19.50
19.75
20.00
20.25
20.50
20.75
21.00
age

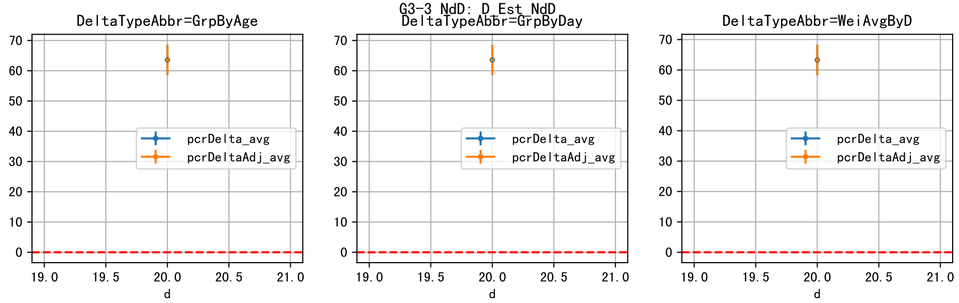
G3-3 NdD: D_5d_NdD



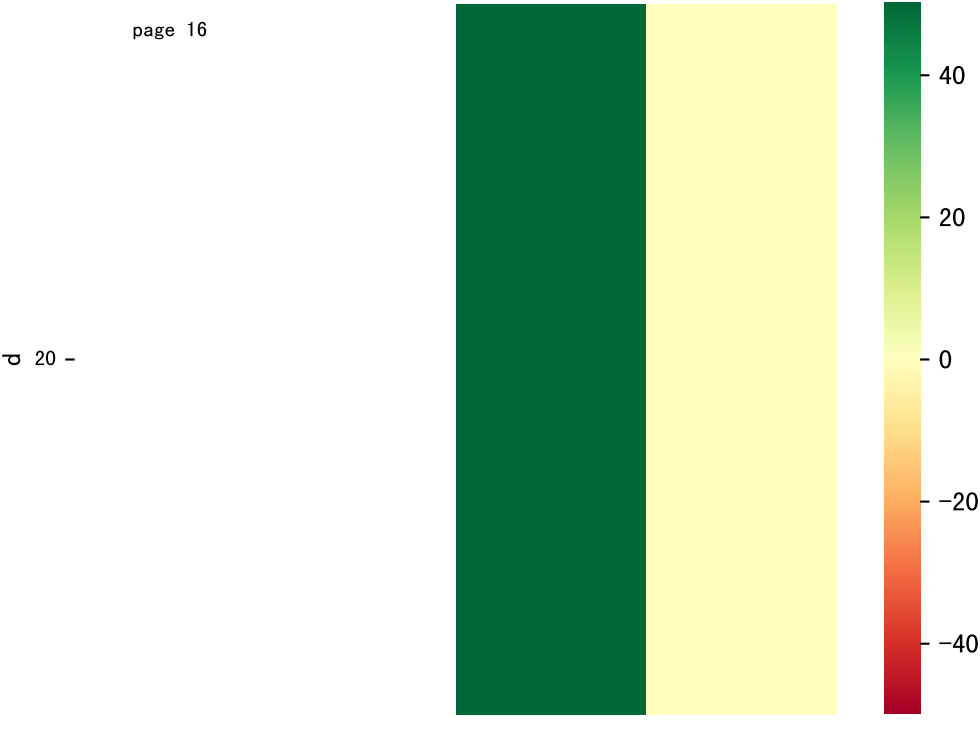
G3-3 NdD: D_15d_NdD

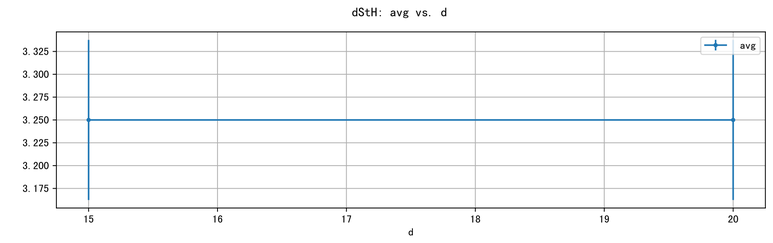


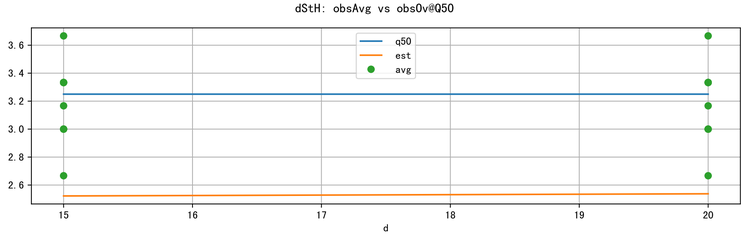

G3-3 NdD: D Q50 NdD
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
2
1
0
−1
−2
19.0
19.5
20.0
20.5
21.0
d

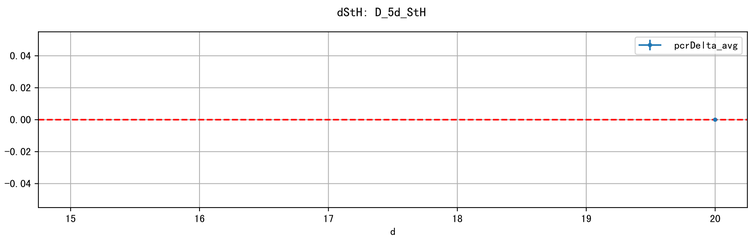

G3-3 NdD: D_Est_NdD
DeltaTypeAbbr=GrpByAge
DeltaTypeAbbr=GrpByDay
DeltaTypeAbbr=WeiAvgByD
pcrDelta_avg
pcrDeltaAdj_avg
d
0
10
20
30
40
50
60
70
19.0
19.5
20.0
20.5
21.0

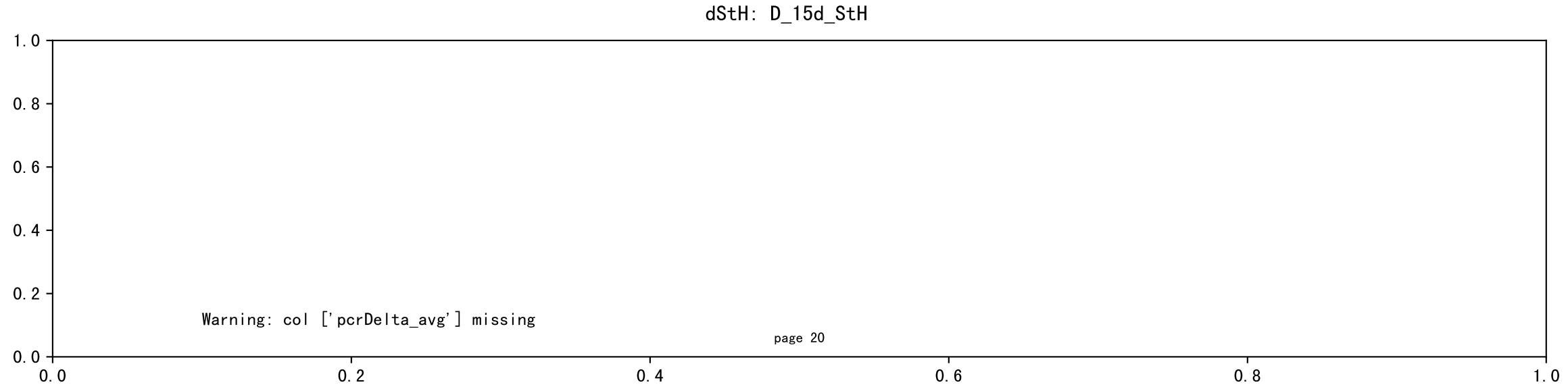
NuDi - s7Dom
s7Dom
1.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
9.6
9.8
10.0
10.2
10.4
P

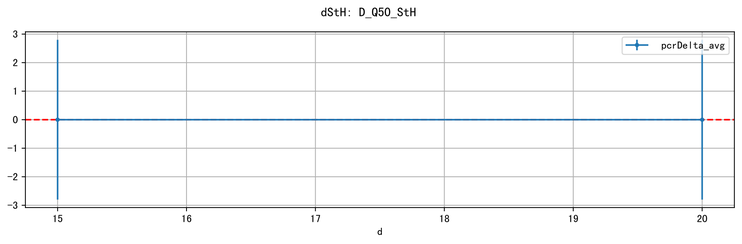

d
20
40
20
0
−20
−40

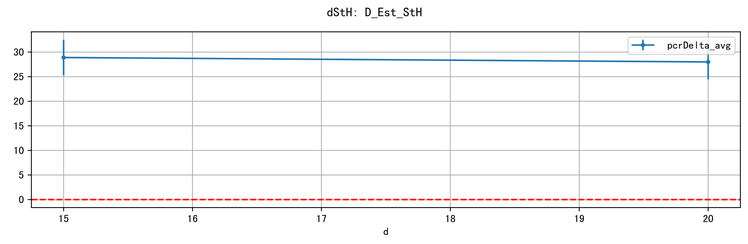

dStH: avg vs. d
avg
3.325
3.300
3.275
3.250
3.225
3.200
3.175
15
16
17
18
19
20
d

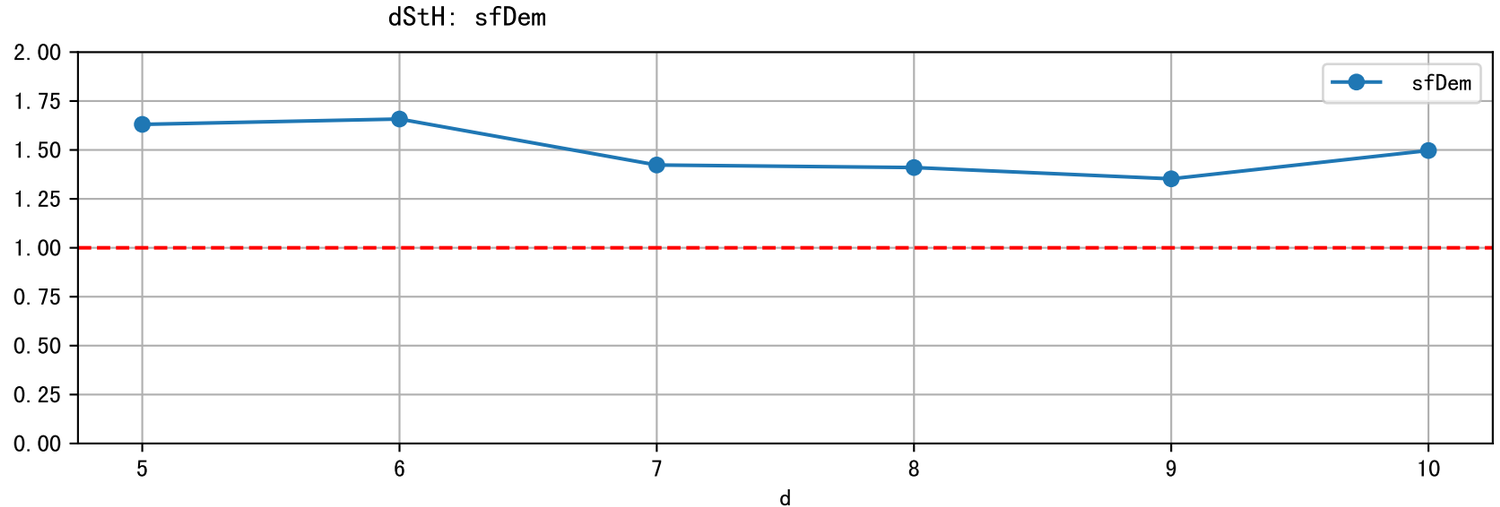

dStH: obsAvg vs obs0v@Q50
q50
est
avg
3.6
3.4
3.2
3.0
2.8
2.6
15
16
17
18
19
20
d

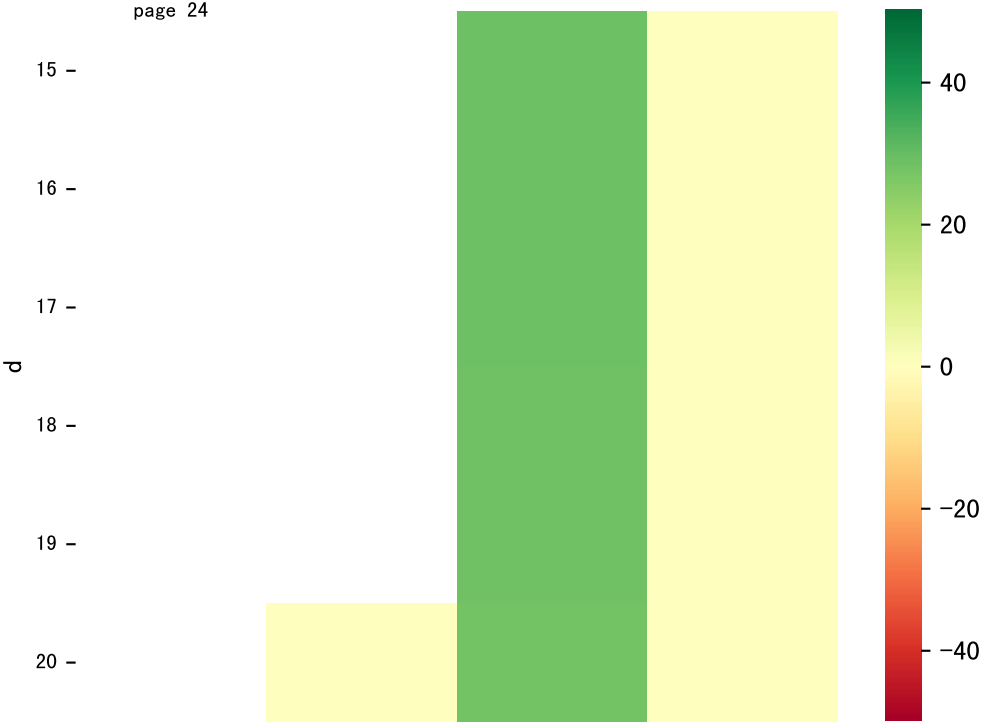

dStH: D_5d_StH
pcrDelta_avg
0.04
0.02
0.00
−0.02
−0.04
15
16
17
18
19
20
d

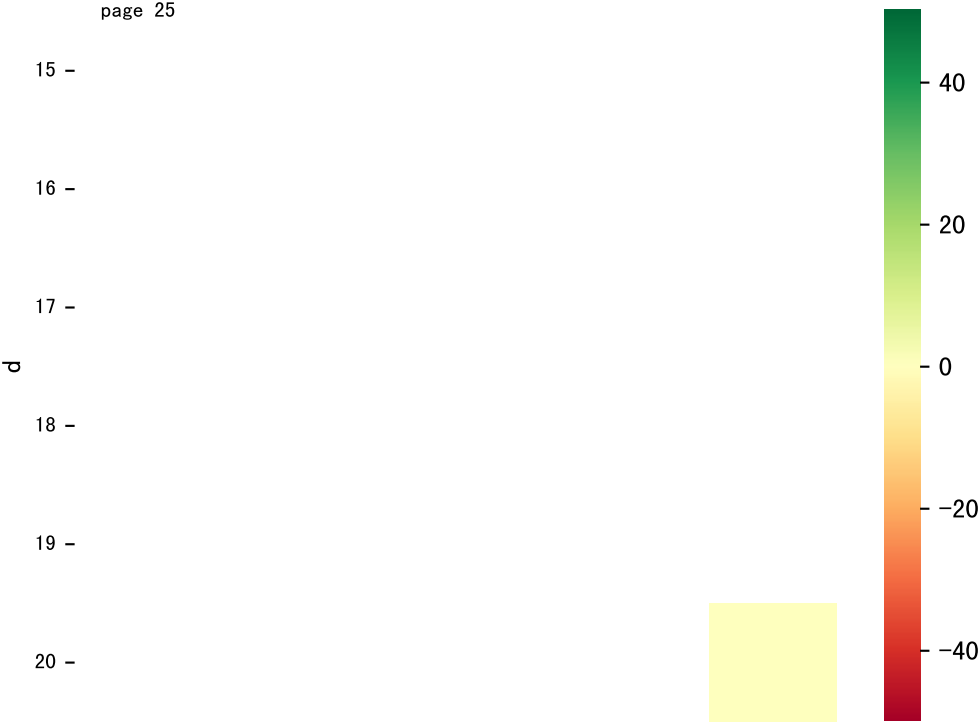

dStH: D_15d_StH
1.0
0.8
0.6
0.4
0.2
0.0
Warning: col ['pcrDelta_avg'] missing
page 20
0.0
0.2
0.4
0.6
0.8
1.0


dStH: D_Q50_StH
pcrDelta_avg
3
2
1
0
−1
−2
−3
15
16
17
18
19
20
d


dStH: D_Est_StH
pcrDelta_avg
30
25
20
15
10
5
0
15
16
17
18
19
20
d


dStH: 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


15
16
17
18
19
20
d
40
20
0
−20
−40