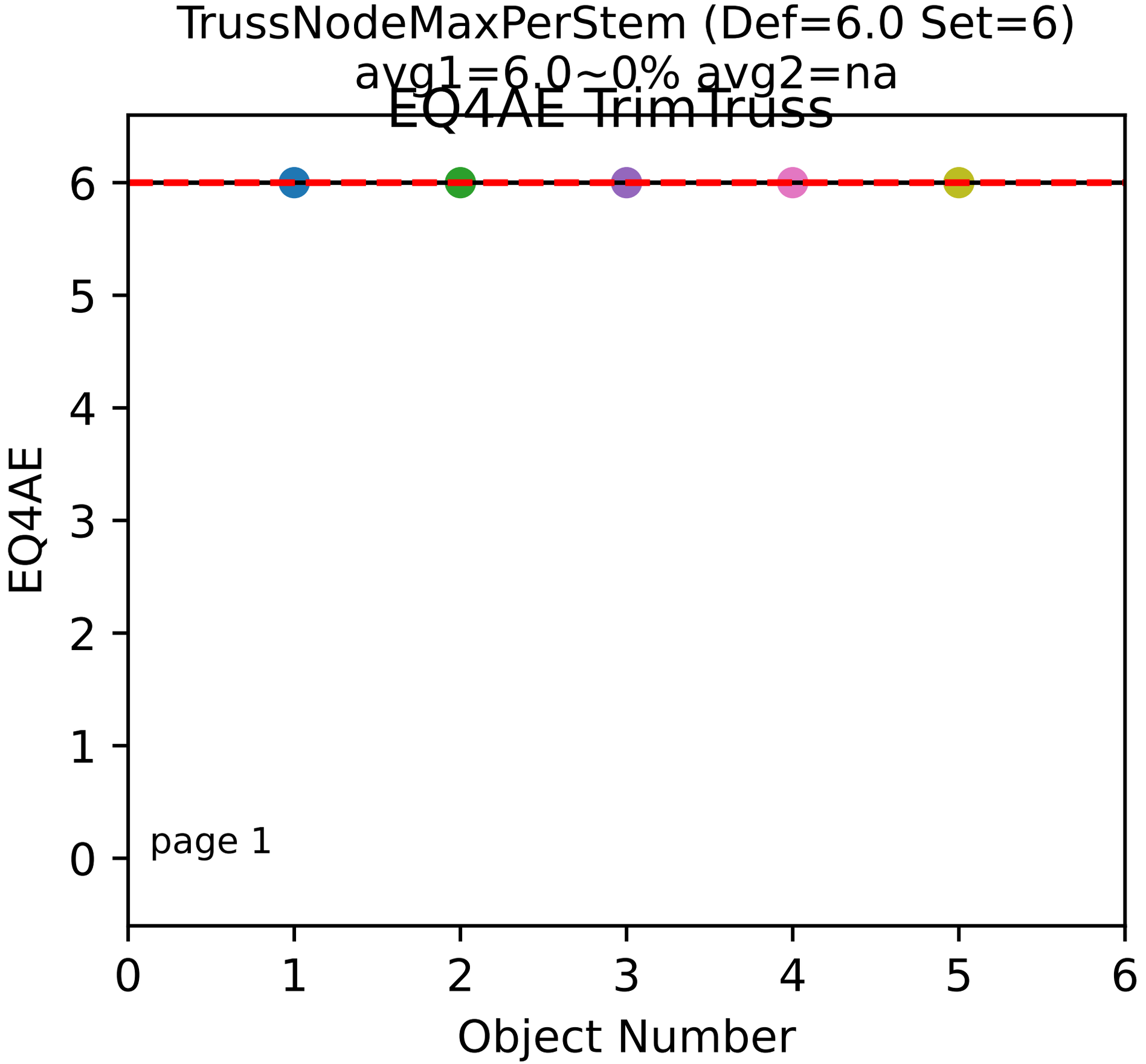
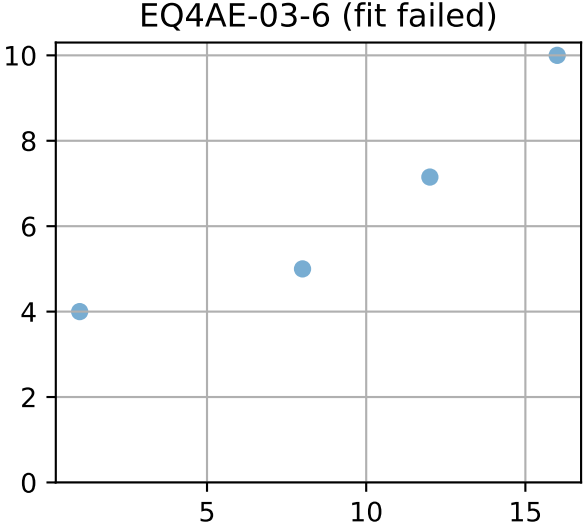
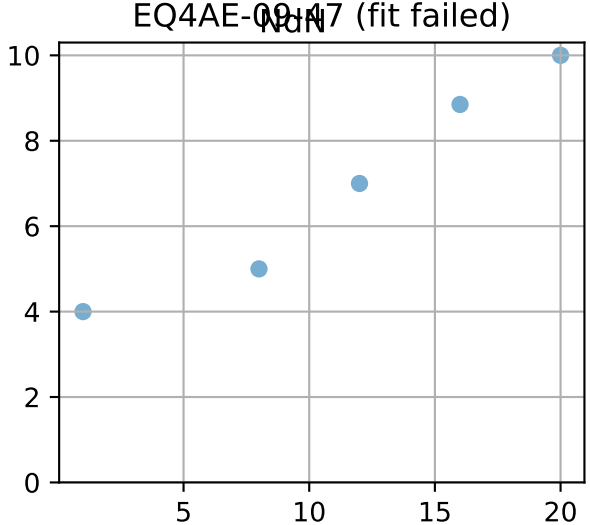
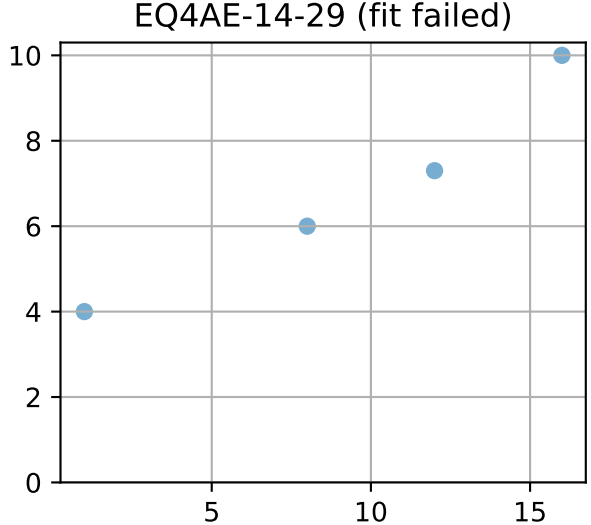
Phenotype Data Analysis Plots
PhenoData day range = 8 - 20
Analysis cutoff day = 20
NC11 EQ4
2025-06-13 (Day 21)

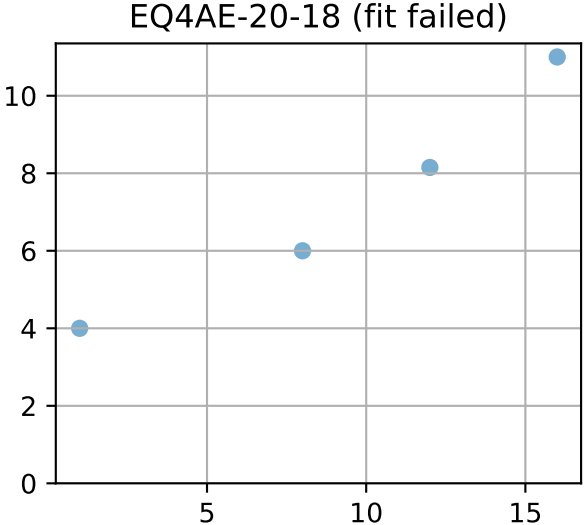

TrussNodeMaxPerStem (Def=6.0 Set=6)
avg1=6.0~0% avg2=na
EQ4AE TrimTruss
EQ4AE
Object Number
page 1
0
1
2
3
4
5
6

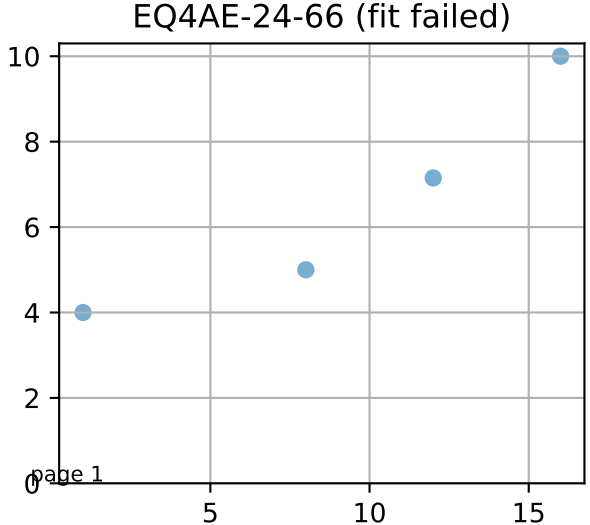
NaN

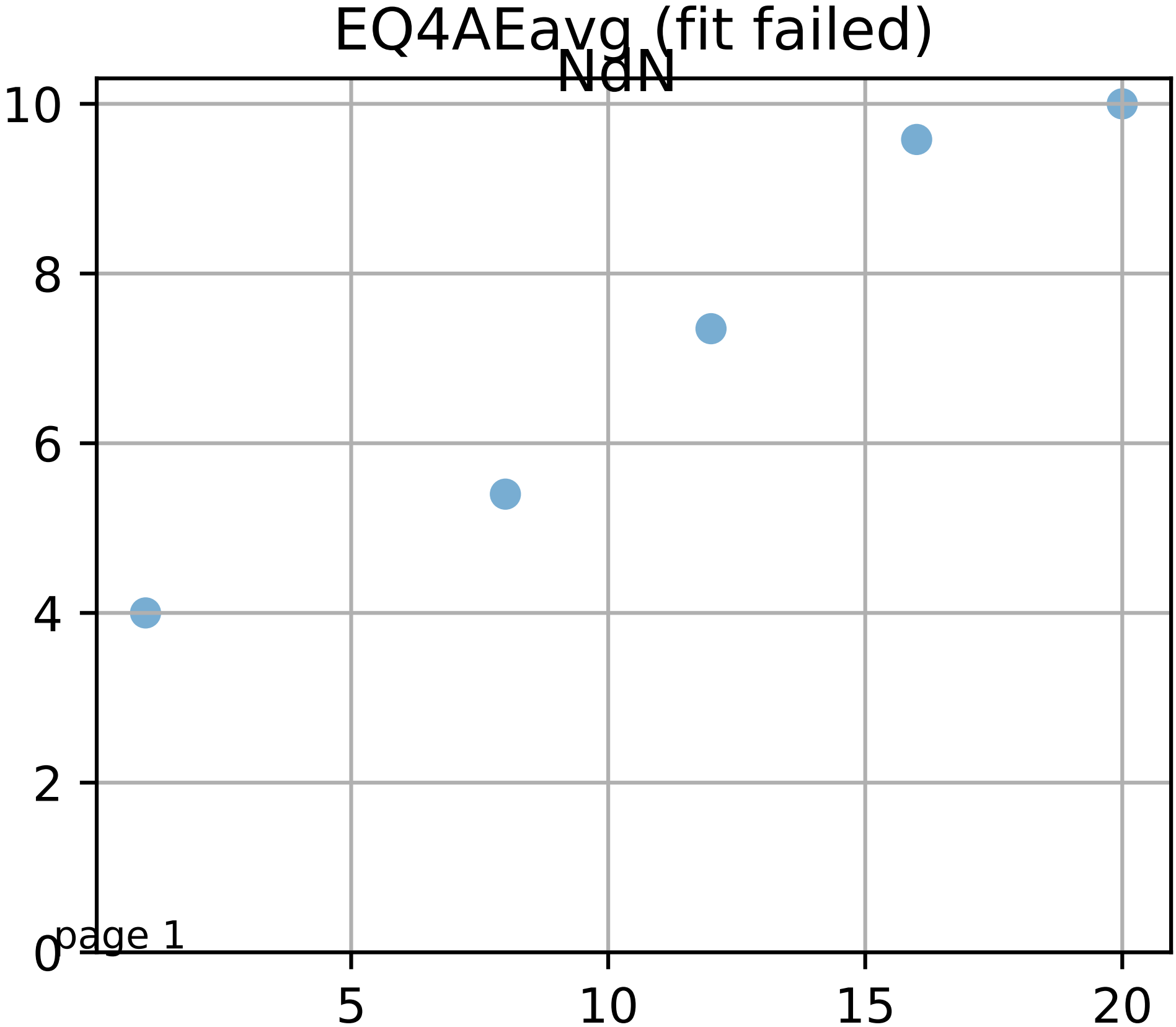

EQ4AE-03-6 (fit failed)

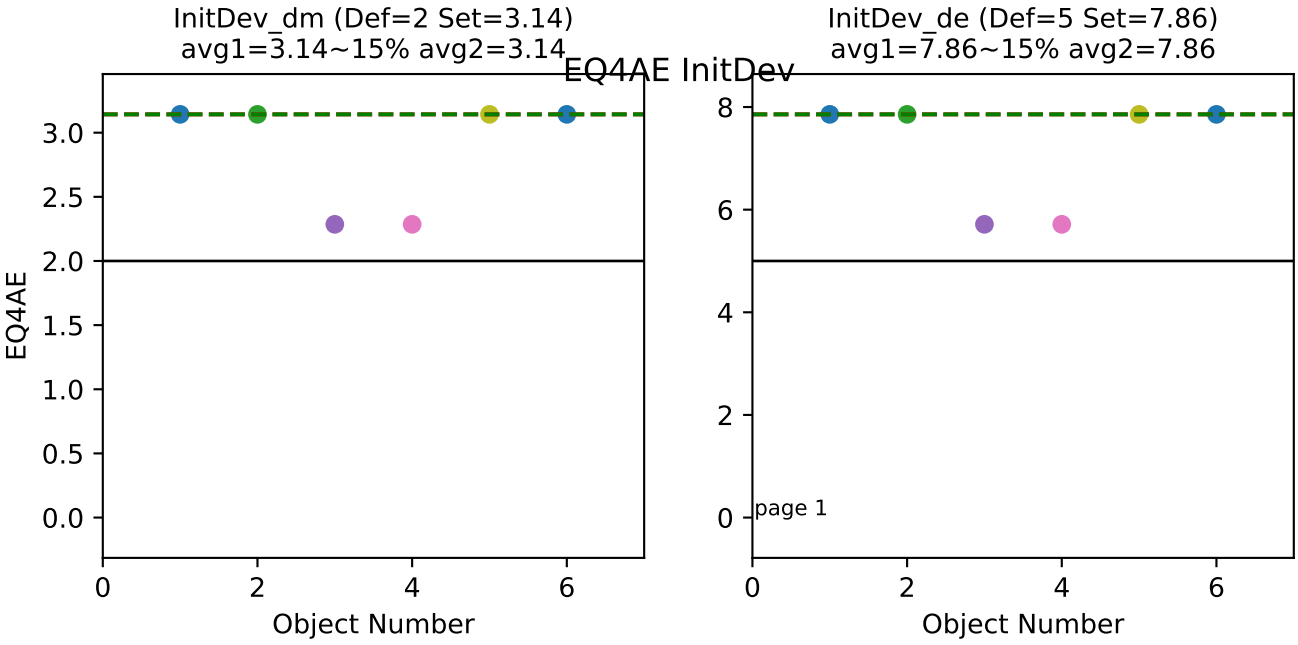

EQ4AE-09-47 (fit failed)

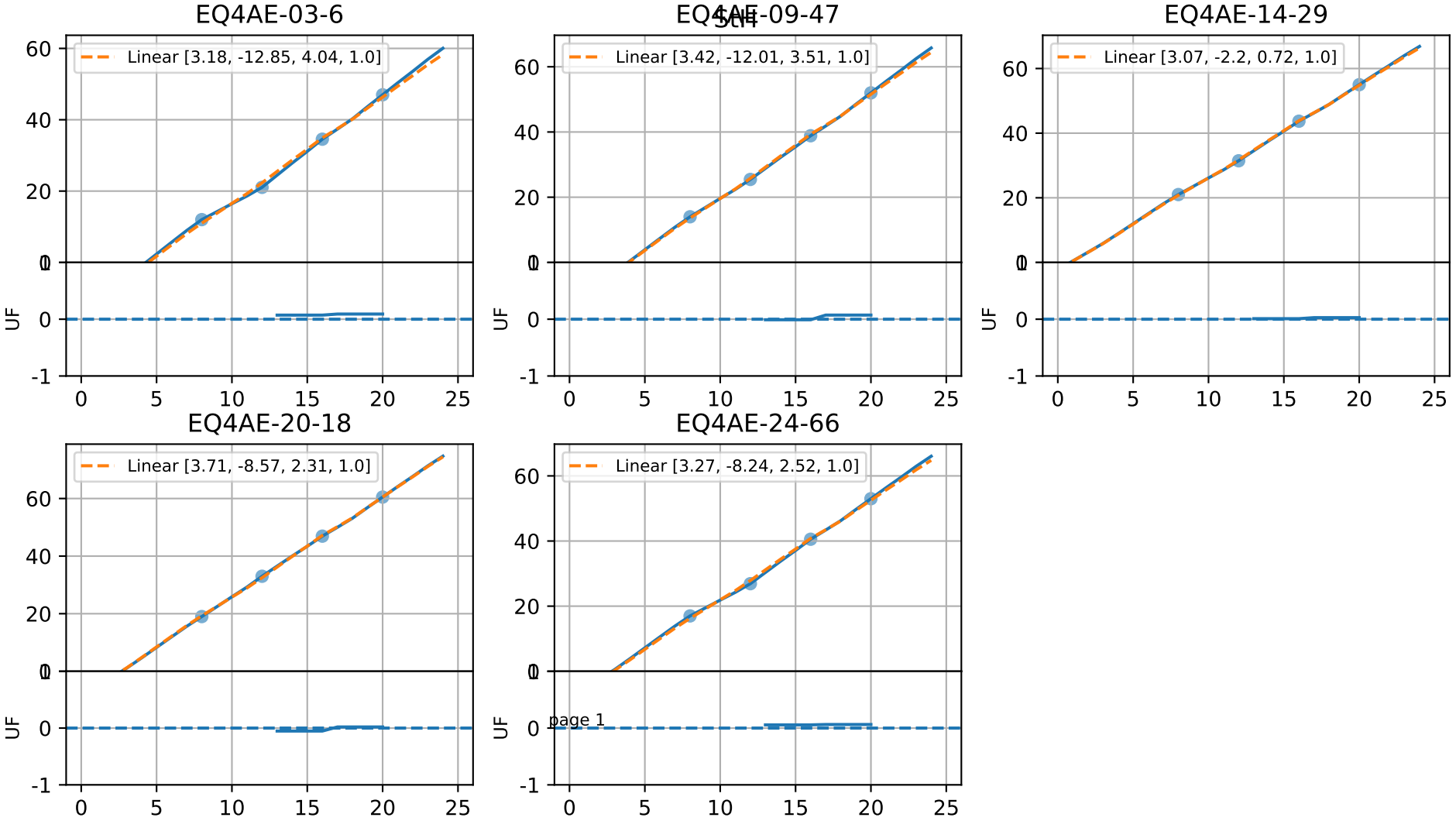

EQ4AE-14-29 (fit failed)

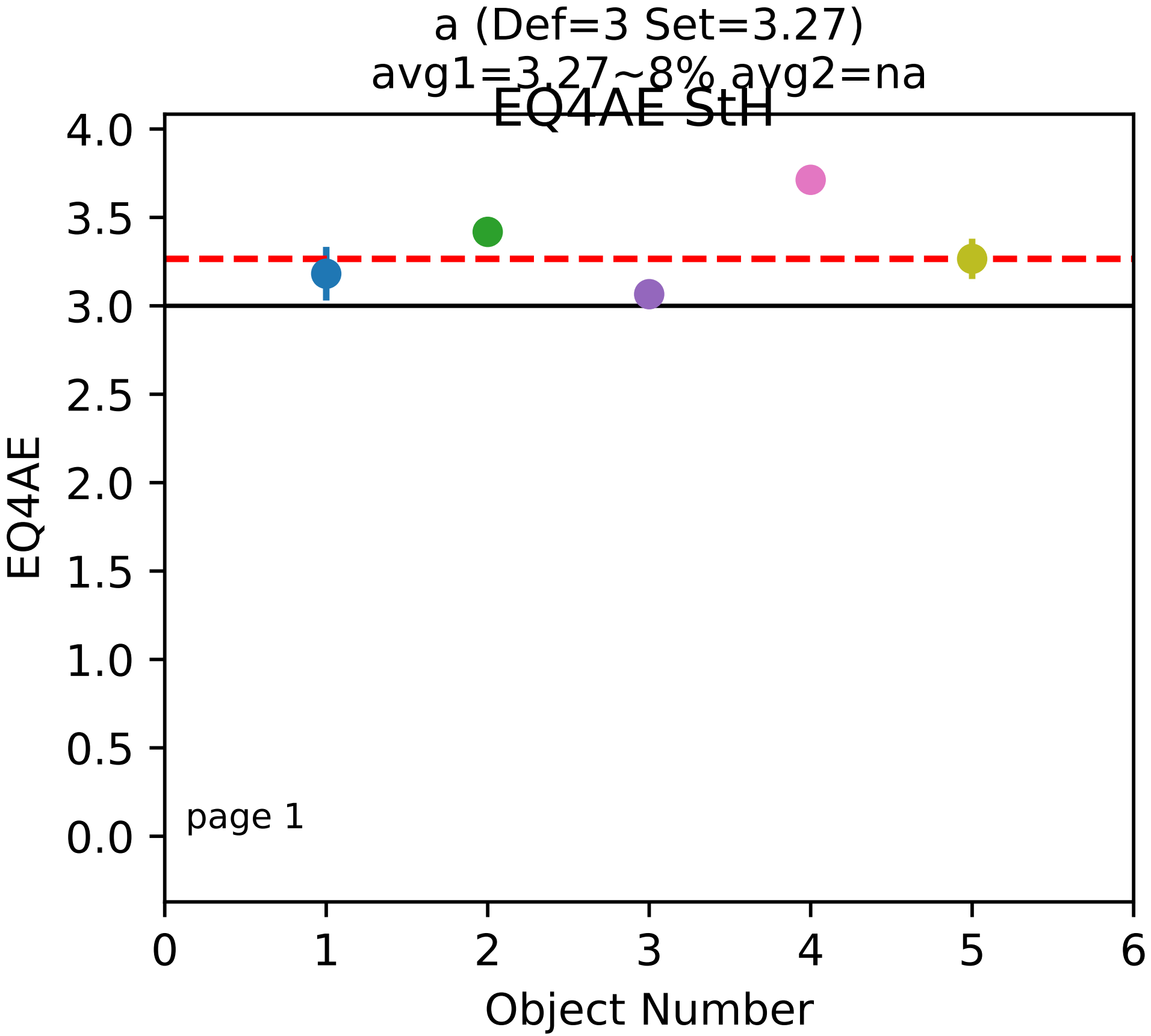

EQ4AE-20-18 (fit failed)


EQ4AE-24-66 (fit failed)

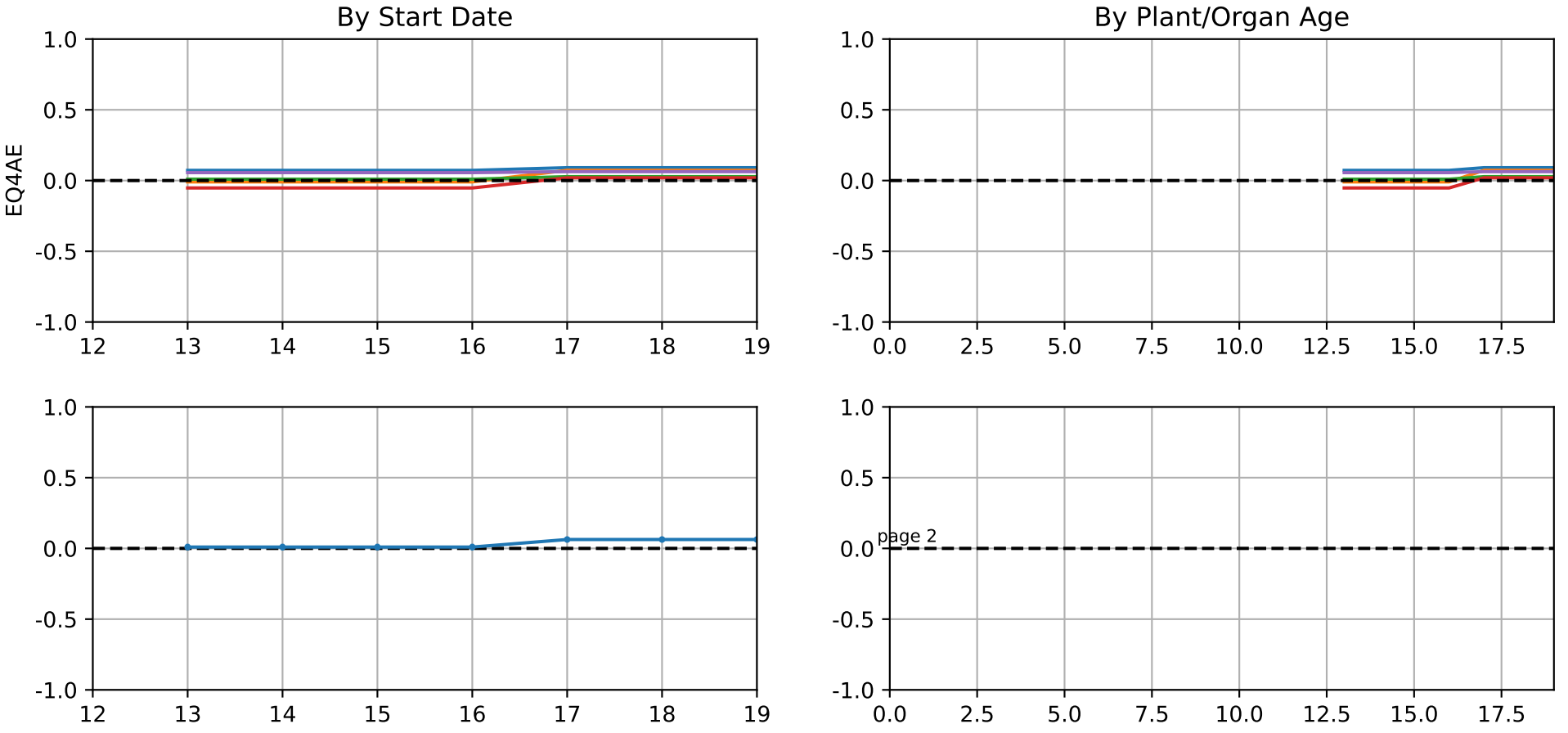

EQ4AEavg (fit failed)
NdN
10
8
6
4
2
0
5
10
15
20
page 1

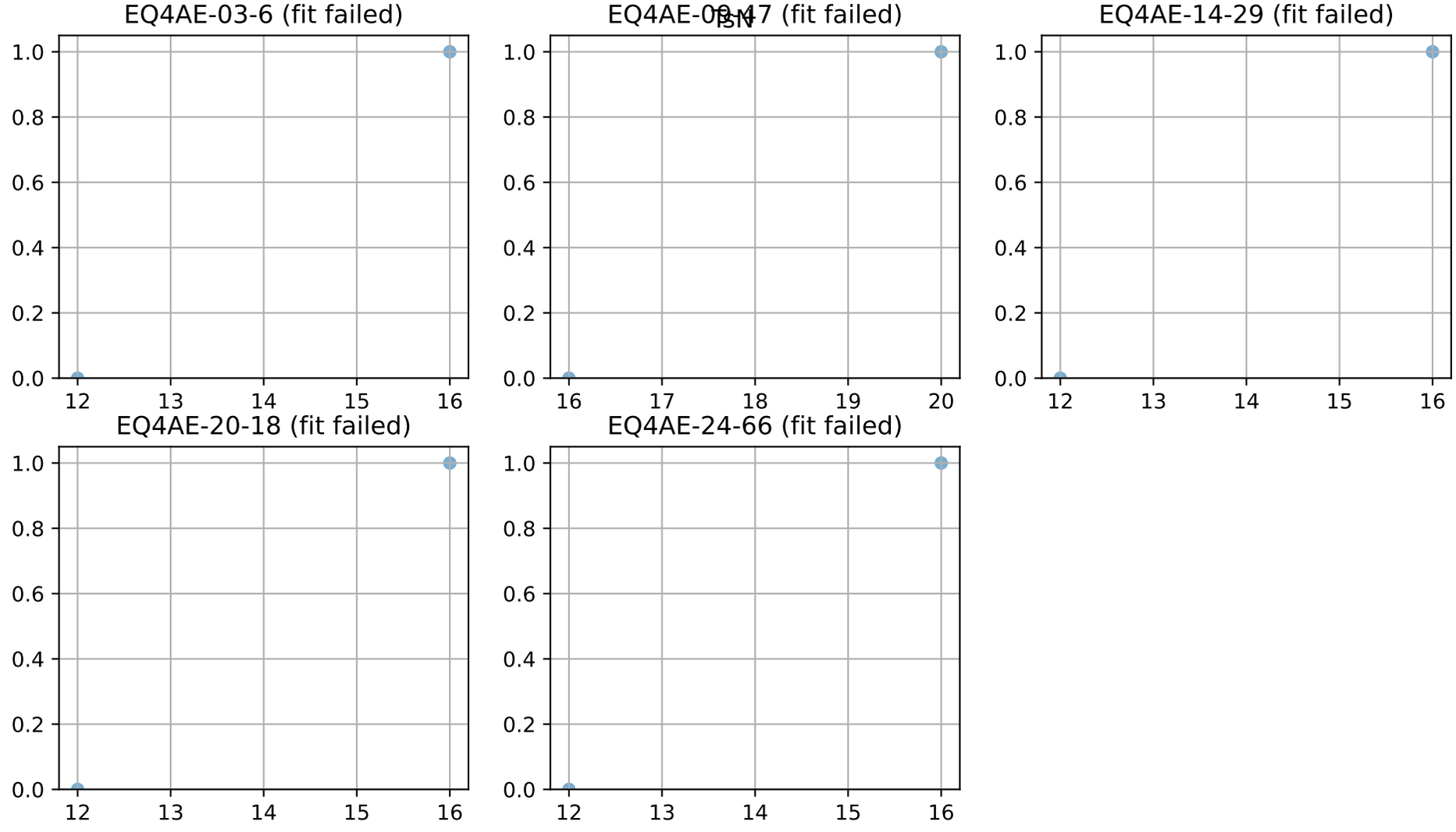

EQ4AE InitDev
InitDev_dm (Def=2 Set=3.14)
avg1=3.14~15% avg2=3.14
InitDev_de (Def=5 Set=7.86)
avg1=7.86~15% avg2=7.86
EQ4AE
Object Number
Object Number
page 1

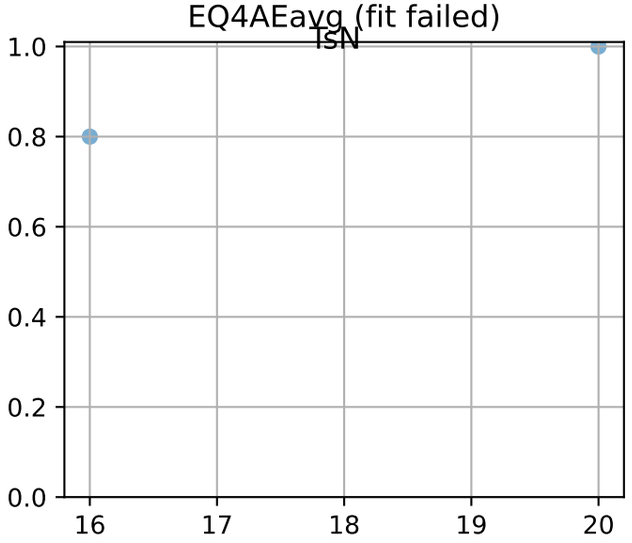

EQ4AE-03-6
Linear [3.18, -12.85, 4.04, 1.0]
EQ4AE-09-47
Linear [3.42, -12.01, 3.51, 1.0]
EQ4AE-14-29
Linear [3.07, -2.2, 0.72, 1.0]
EQ4AE-20-18
Linear [3.71, -8.57, 2.31, 1.0]
EQ4AE-24-66
Linear [3.27, -8.24, 2.52, 1.0]
UF
page 1

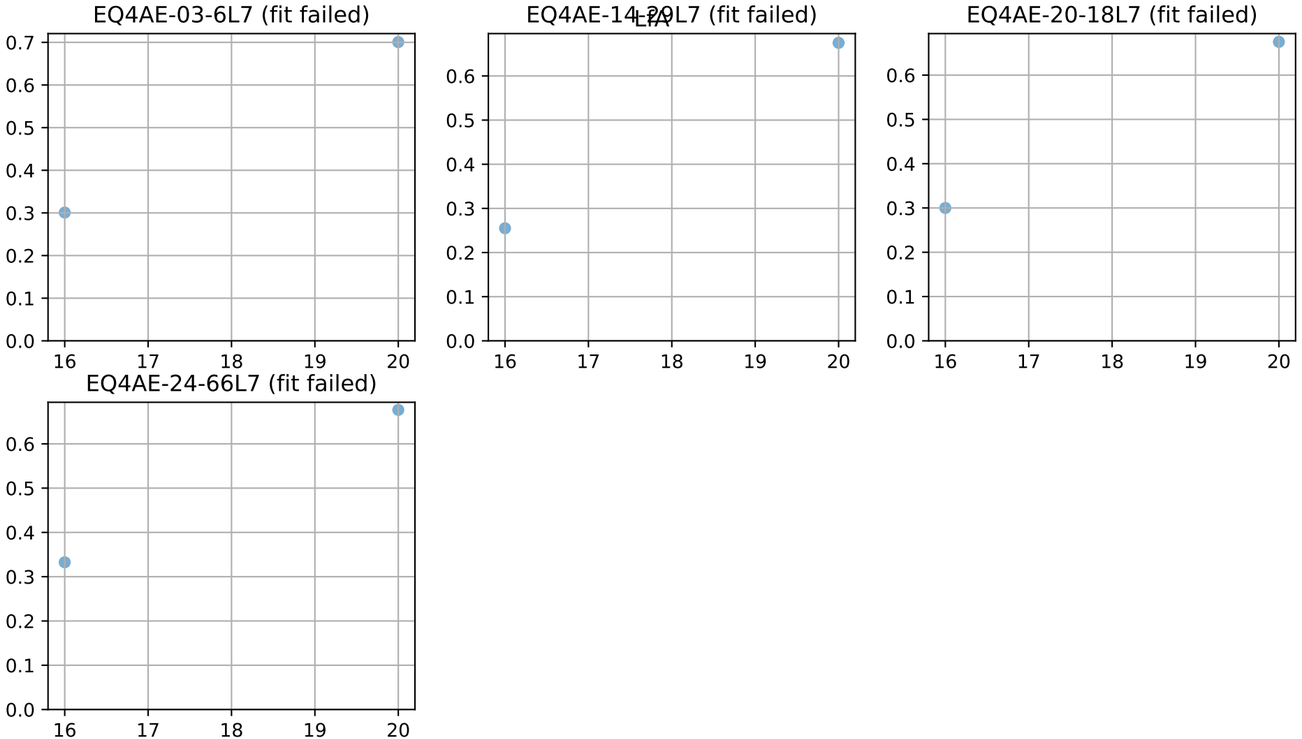

a (Def=3 Set=3.27)
avg1=3.27~8% avg2=na
EQ4AE StH
EQ4AE
Object Number
page 1
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
1
2
3
4
5
6

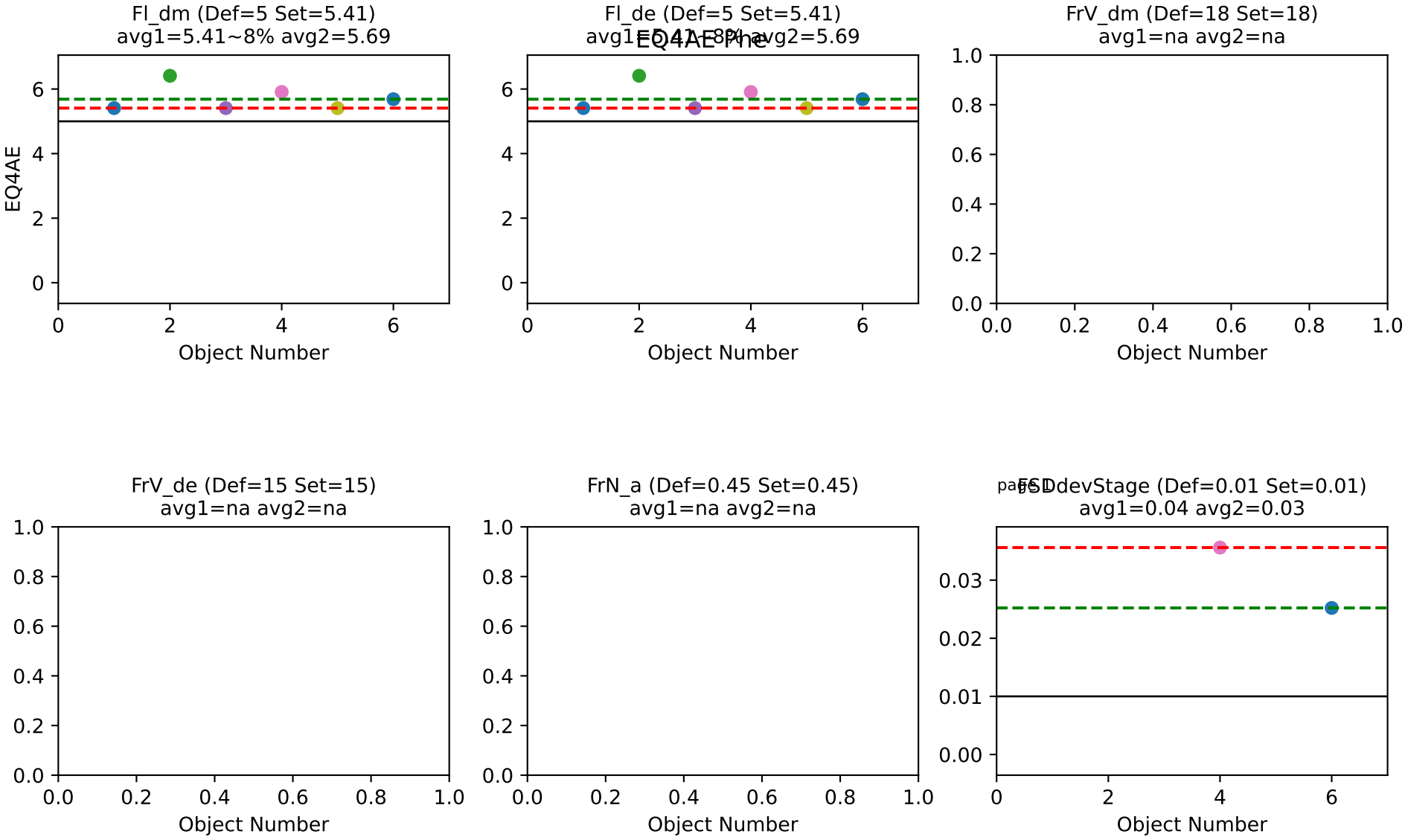
StH

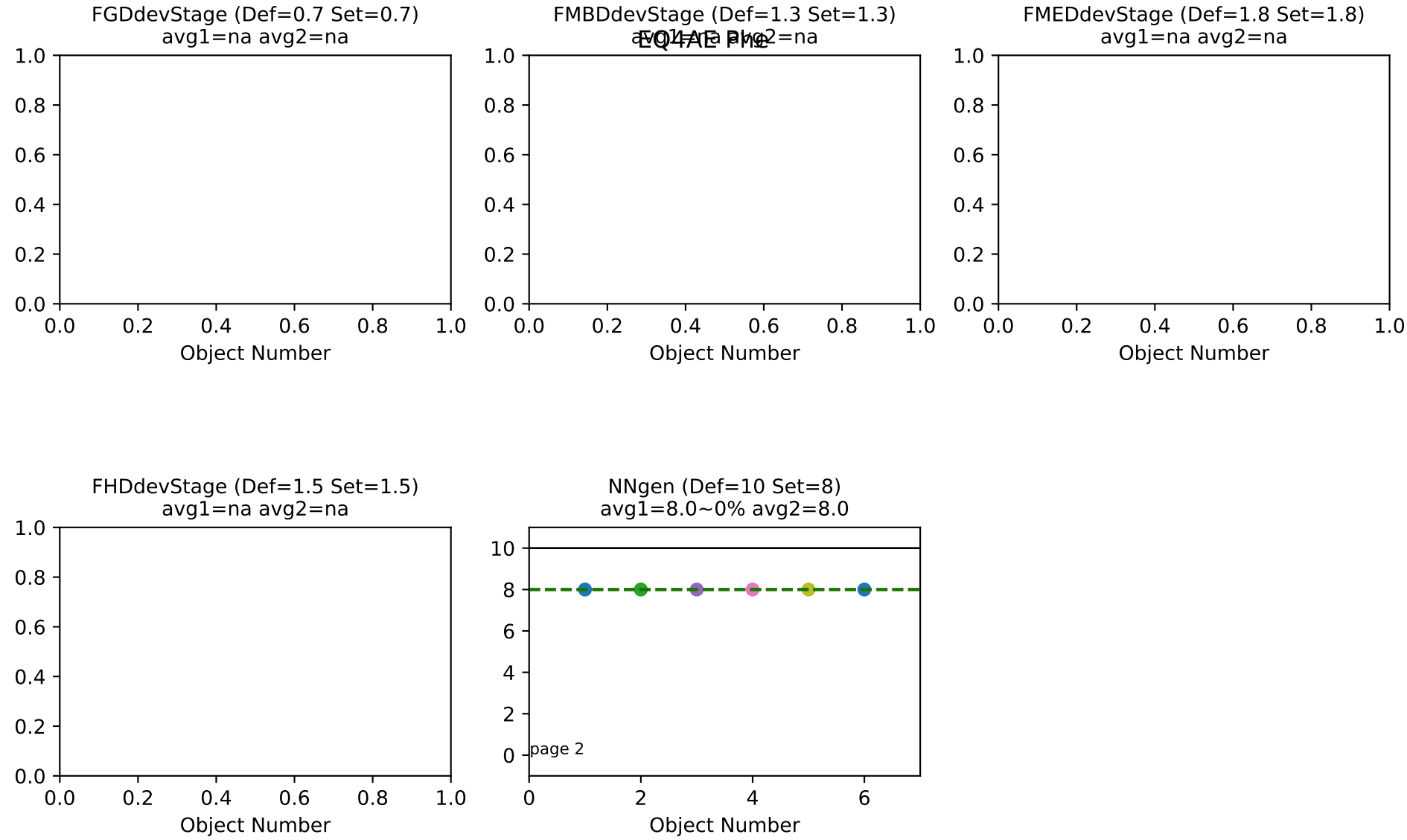

By Start Date
By Plant/Organ Age
EQ4AE
1.0
0.5
0.0
-0.5
-1.0
12
13
14
15
16
17
18
19
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
page 2

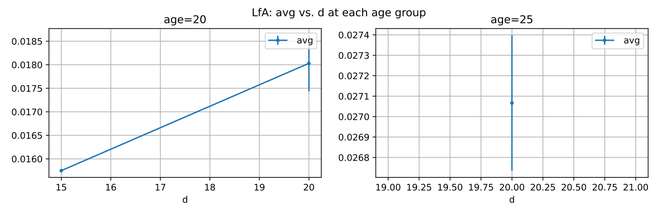

EQ4AE-03-6 (fit failed)
EQ4AE-08-47 (fit failed)
EQ4AE-14-29 (fit failed)
EQ4AE-20-18 (fit failed)
EQ4AE-24-66 (fit failed)
PSN
1.0
0.8
0.6
0.4
0.2
0.0
12
13
14
15
16
17
18
19
20

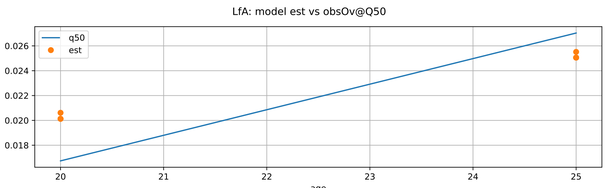

EQ4AEavg (fit failed)
TsN
1.0
0.8
0.6
0.4
0.2
0.0
16
17
18
19
20


EQ4AE-03-6L7 (fit failed)
EQ4AE-14-29L7 (fit failed)
EQ4AE-20-18L7 (fit failed)
EQ4AE-24-66L7 (fit failed)
LFA
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
16
17
18
19
20


EQ4AE-Fine
Fl_dm (Def=5 Set=5.41)
avg1=5.41~8% avg2=5.69
Fl_de (Def=5 Set=5.41)
avg1=5.41~8% avg2=5.69
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=0.04 avg2=0.03
EQ4AE
Object Number
Object Number
Object Number
Object Number
Object Number
Object Number

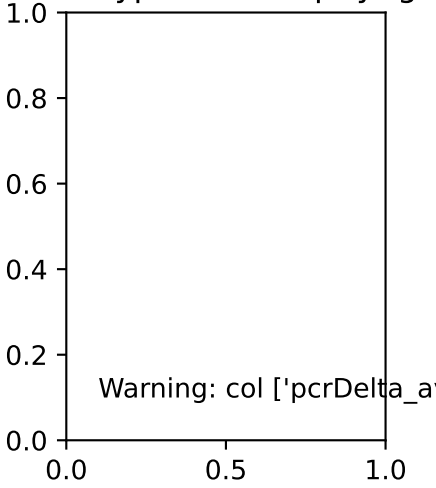

FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na
FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na
NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=8.0
page 2
Object Number


LfA: avg vs. d at each age group
age=20
avg
0.0185
0.0180
0.0175
0.0170
0.0165
0.0160
15
16
17
18
19
20
d
age=25
avg
0.0274
0.0273
0.0272
0.0271
0.0270
0.0269
0.0268
19.00
19.25
19.50
19.75
20.00
20.25
20.50
20.75
21.00
d


LfA: model est vs obsOv@Q50
q50
est
0.026
0.024
0.022
0.020
0.018
20
21
22
23
24
25
age

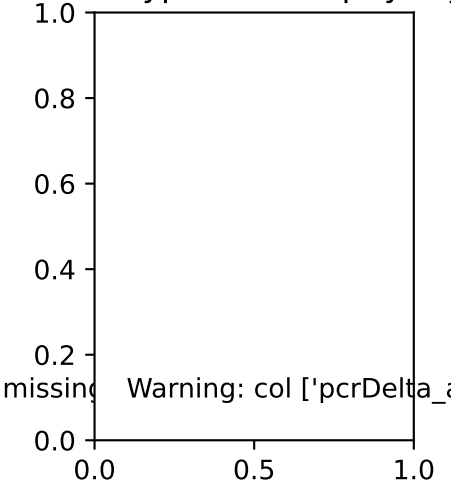
EQ4AE LfA: D_5d_LfA

DeltaTypeAbbr=GrpByAge



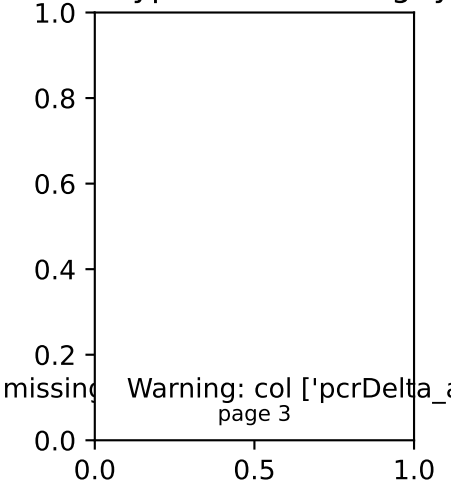
Warning: col ['pcrDelta_avg', 'pcrDeltaAdj_avg'] missing

DeltaTypeAbbr=GrpByDay



Warning: col ['pcrDelta_avg', 'pcrDeltaAdj_avg'] missing

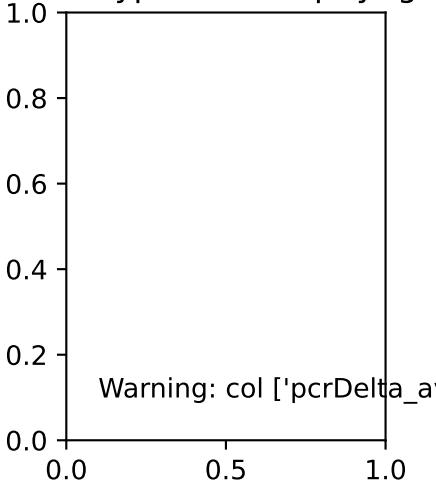
DeltaTypeAbbr=WeiAvgByD



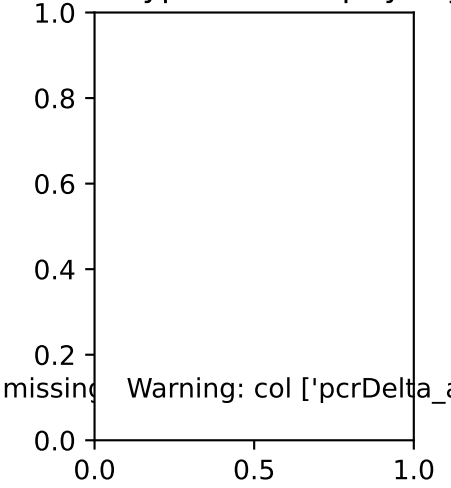
Warning: col ['pcrDelta_avg', 'pcrDeltaAdj_avg'] missing

EQ4AE LfA: D_15d_LfA

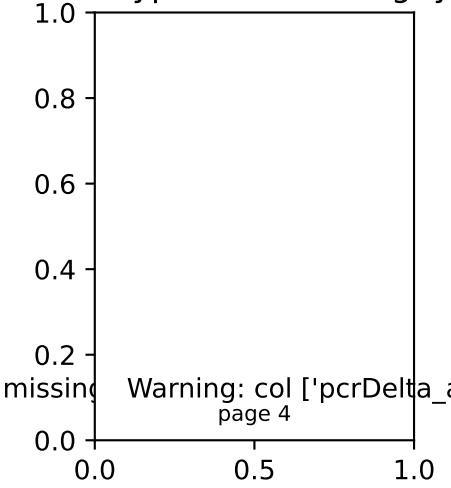
DeltaTypeAbbr=GrpByAge



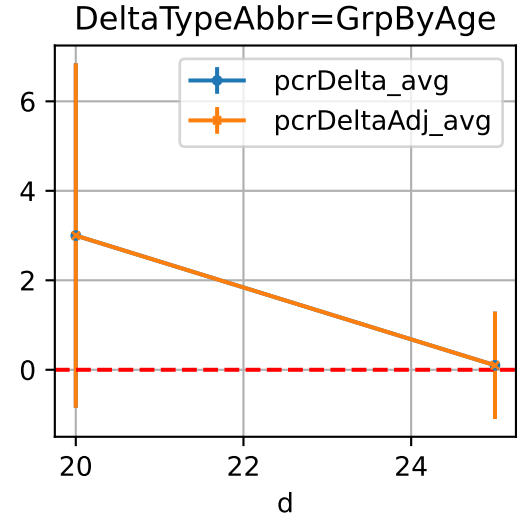
DeltaTypeAbbr=GrpByDay

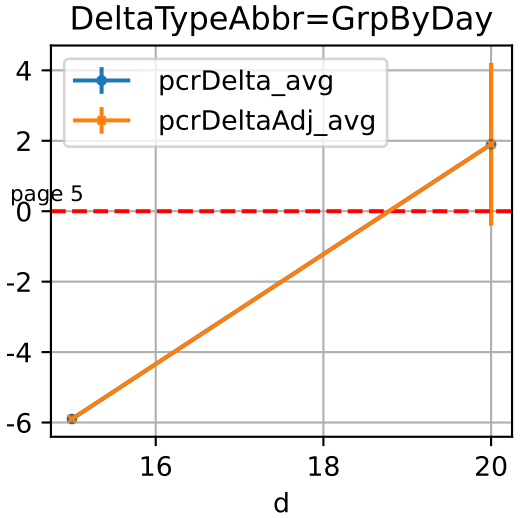


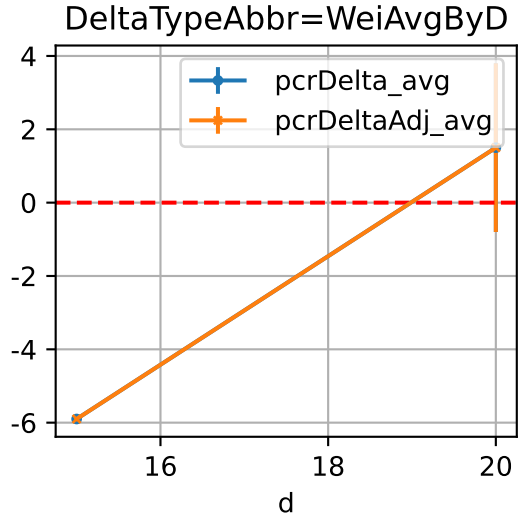
DeltaTypeAbbr=WeiAvgByD



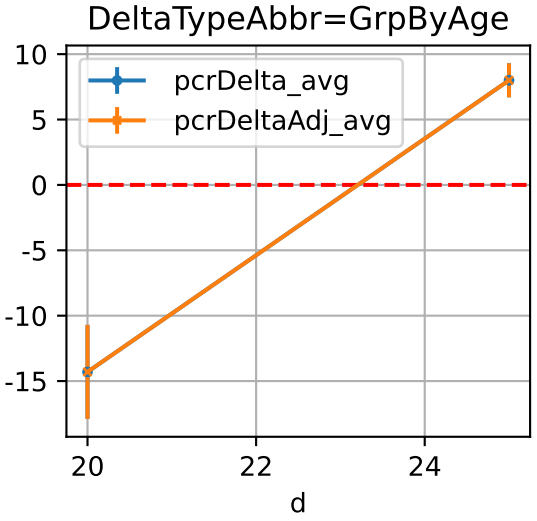
EQ4AE LfA: D_Q50_LfA

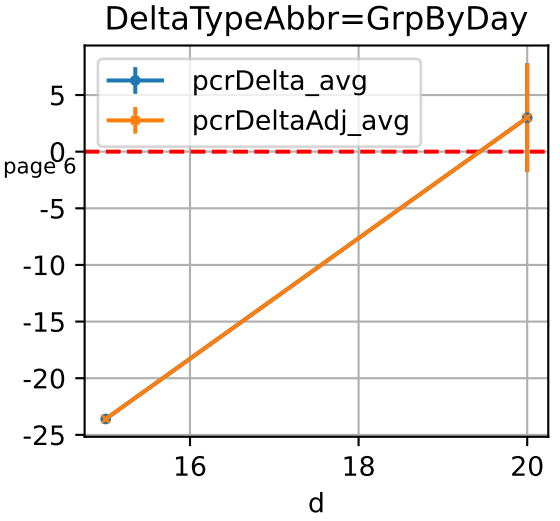


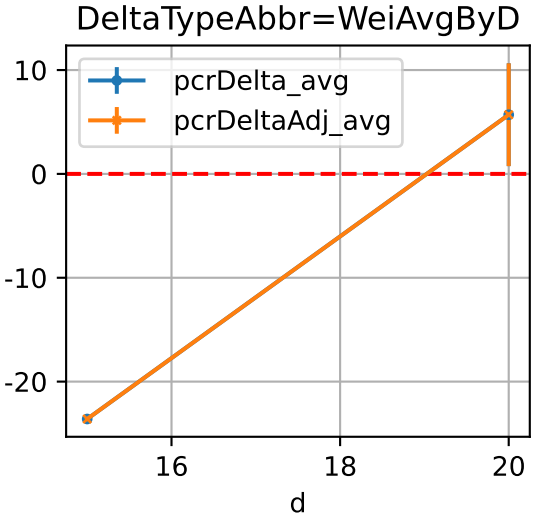


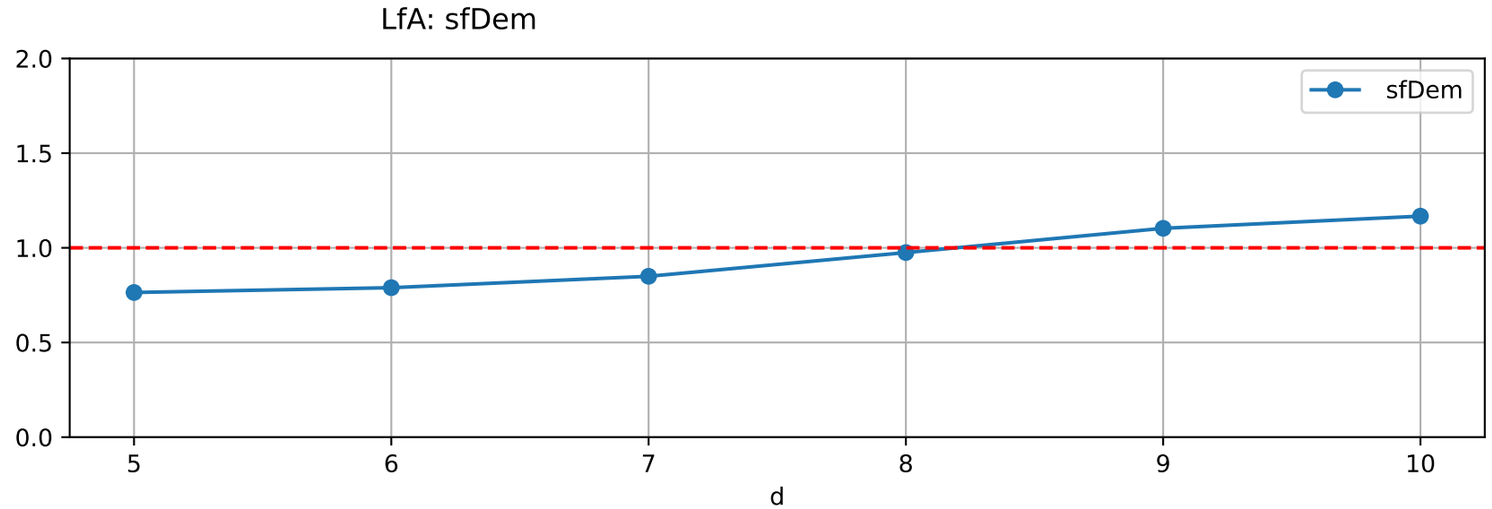


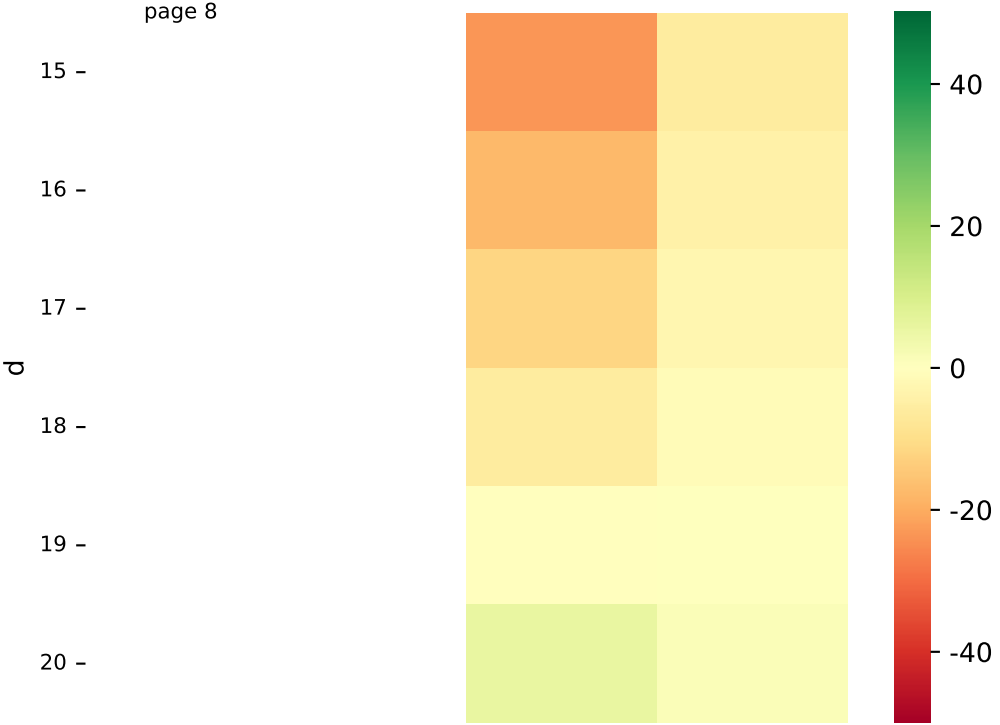
EQ4AE LfA: D_Est_LfA

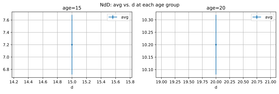


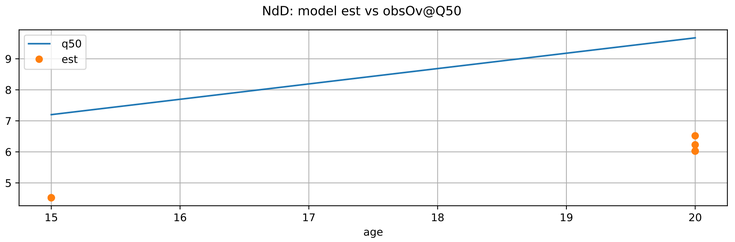





LfA: sfDem
sfDem
2.0
1.5
1.0
0.5
0.0
5
6
7
8
9
10
d

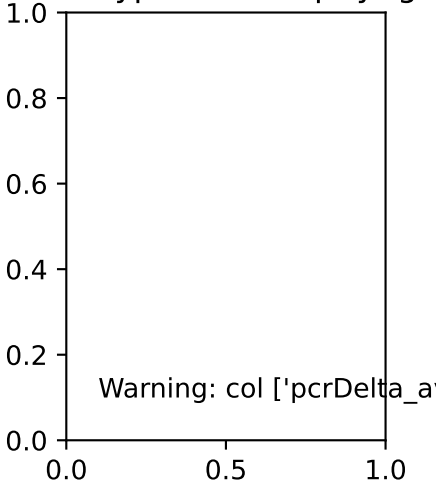

15
16
17
18
19
20
d
40
20
0
-20
-40


NstD: avg vs. d at each age group
age=15
avg
7.6
7.4
7.2
7.0
6.8
14.2
14.4
14.6
14.8
15.0
15.2
15.4
15.6
15.8
d
age=20
avg
10.30
10.25
10.20
10.15
10.10
19.00
19.25
19.50
19.75
20.00
20.25
20.50
20.75
21.00
d

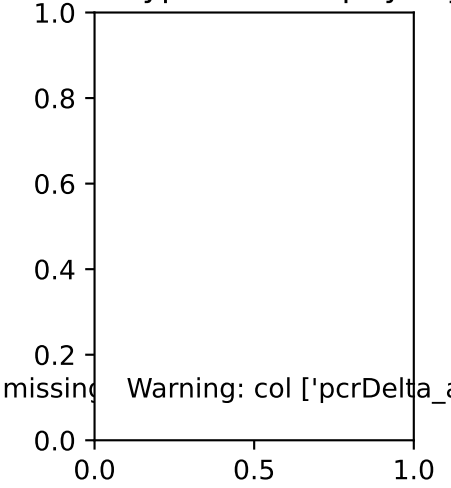

NdD: model est vs obsOv@Q50
q50
est
9
8
7
6
5
15
16
17
18
19
20
age

EQ4AE NdD: D_5d_NdD

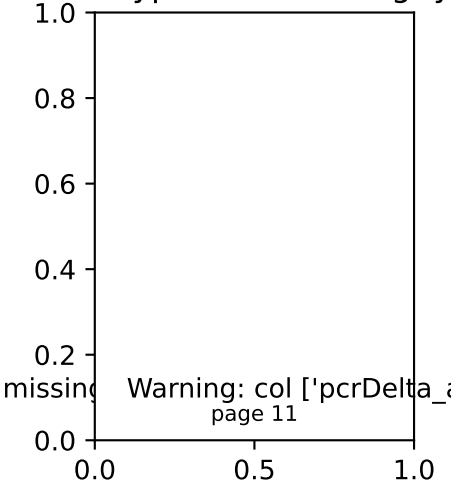
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

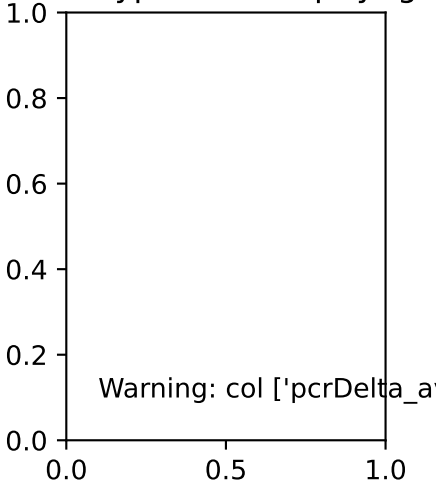


DeltaTypeAbbr=WeiAvgByD



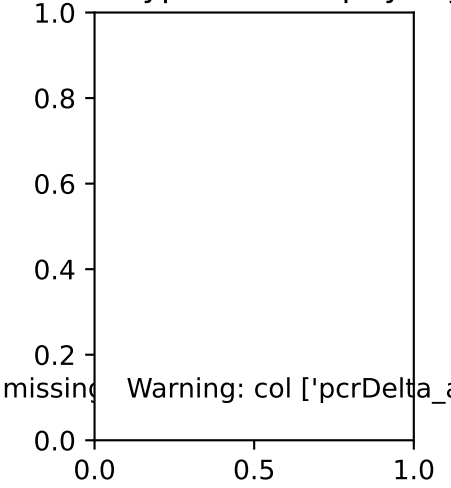
EQ4AE NdD: D_15d_NdD

DeltaTypeAbbr=GrpByAge



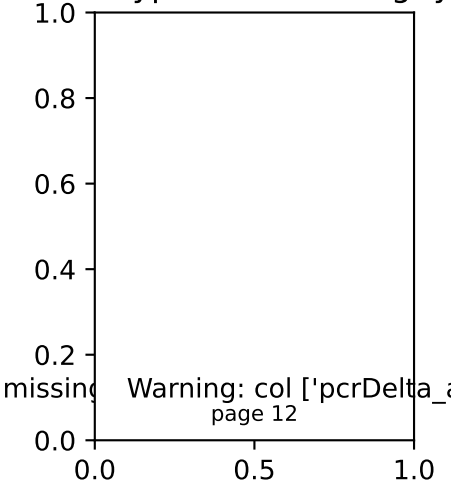
Warning: col ['pcrDelta_avg', 'pcrDeltaAdj_avg'] missing

DeltaTypeAbbr=GrpByDay



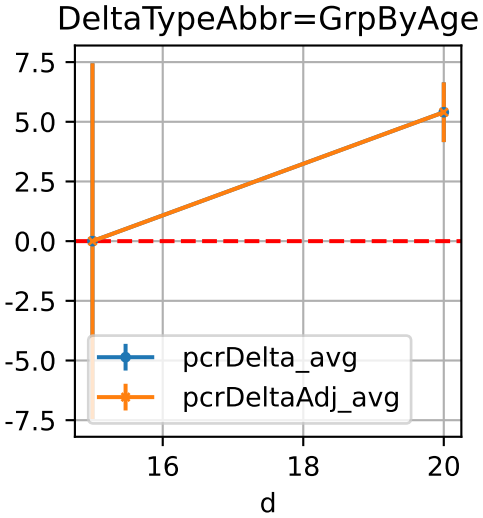
Warning: col ['pcrDelta_avg', 'pcrDeltaAdj_avg'] missing

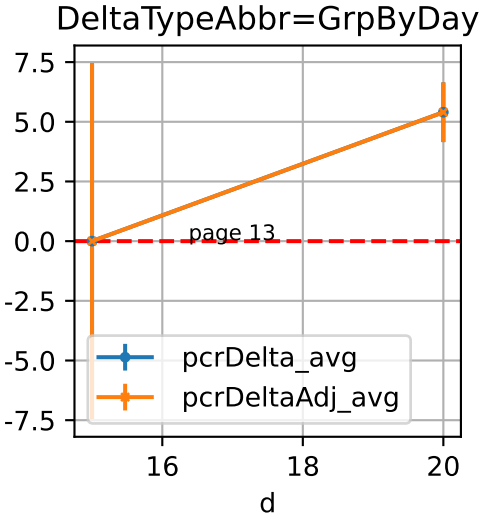
DeltaTypeAbbr=WeiAvgByD

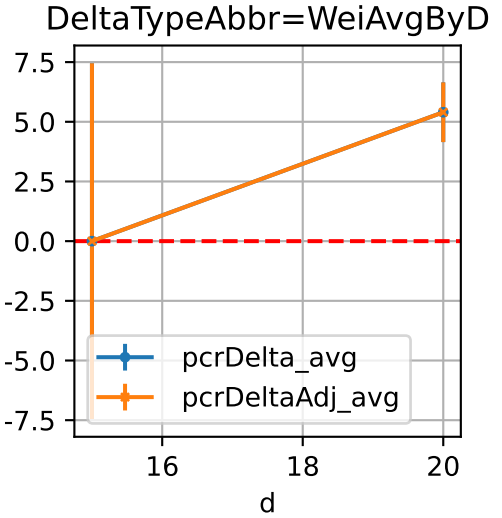


Warning: col ['pcrDelta_avg', 'pcrDeltaAdj_avg'] missing

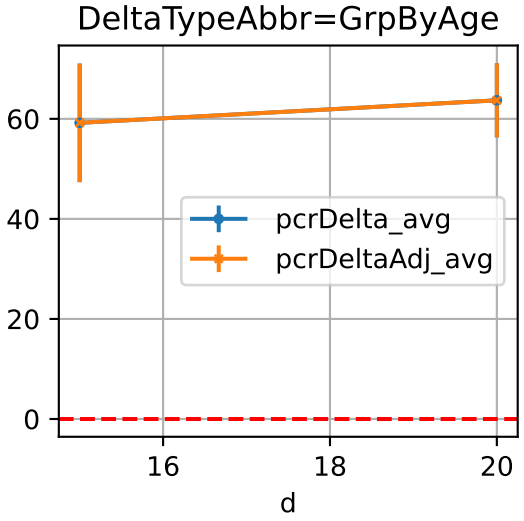
EQ4AE NdD: D_Q50_NdD

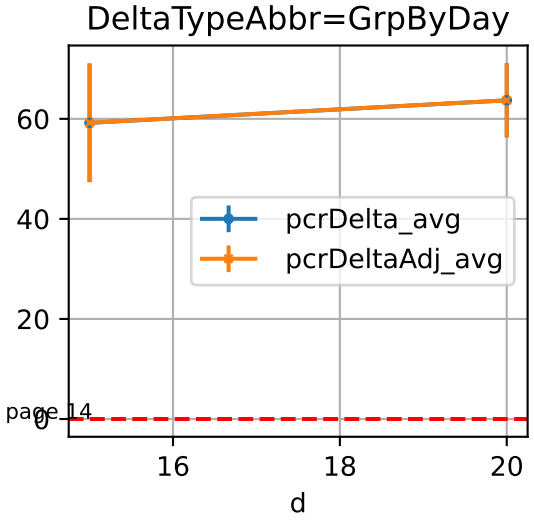


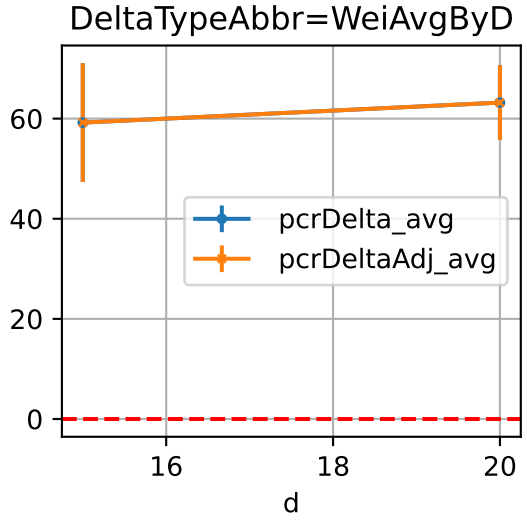


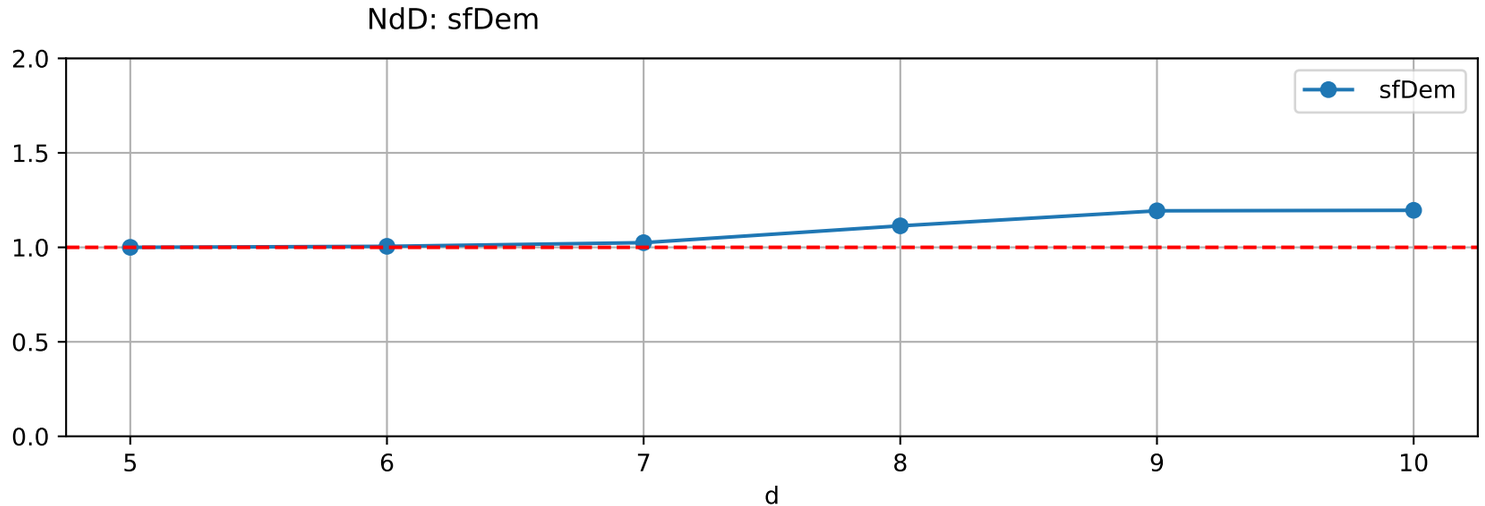


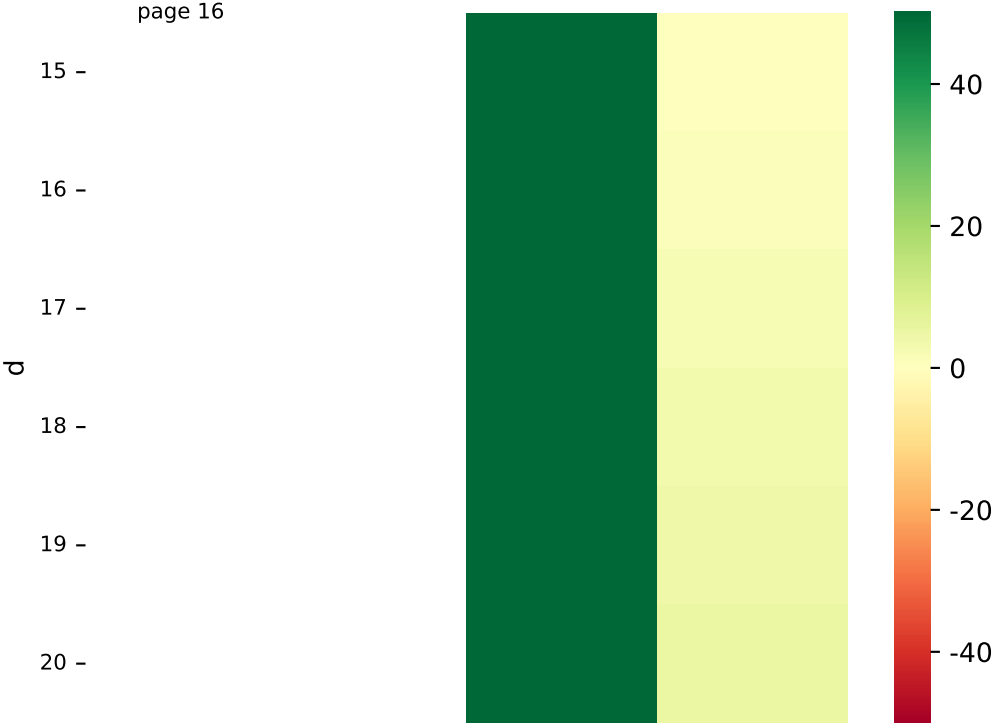
EQ4AE NdD: D_Est_NdD

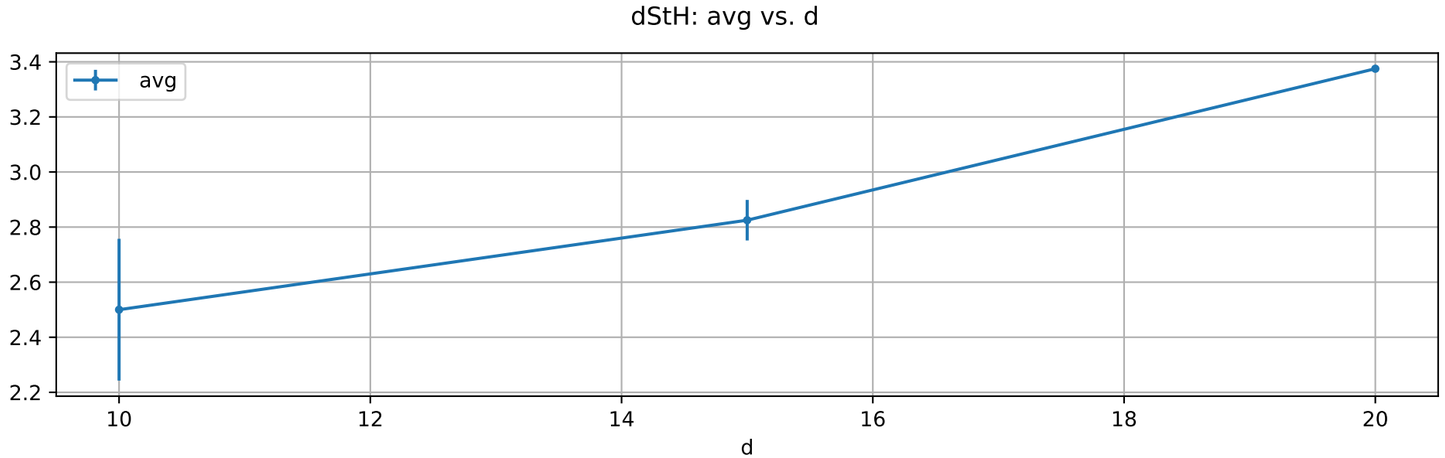


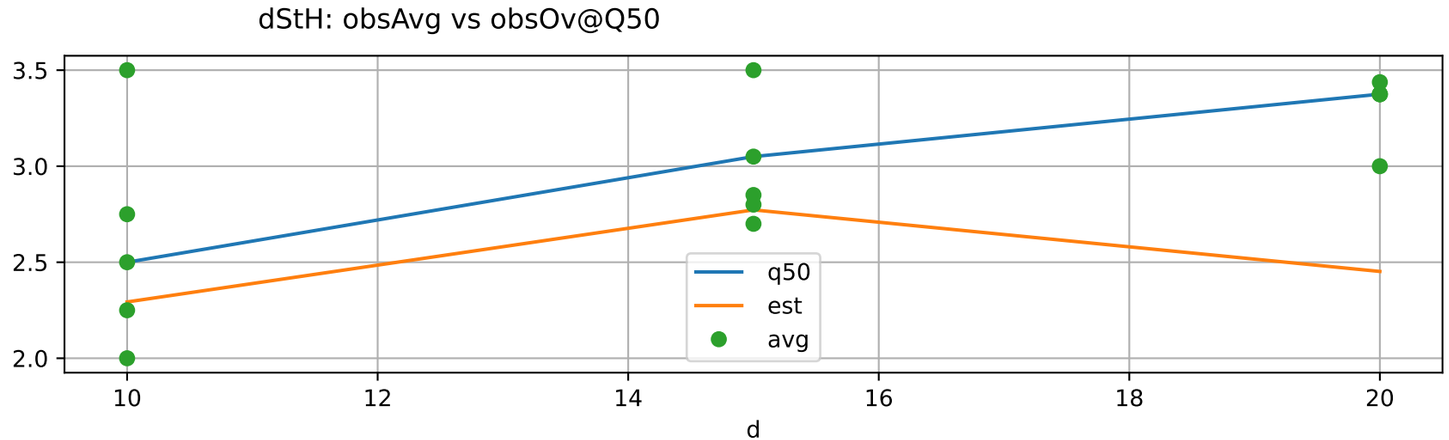


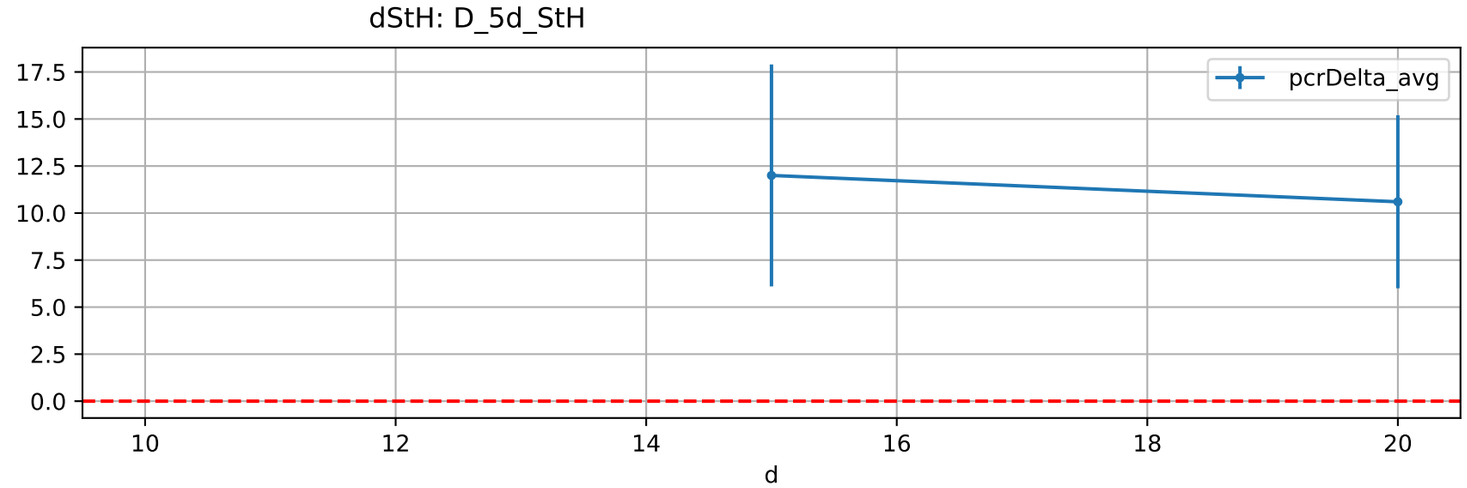


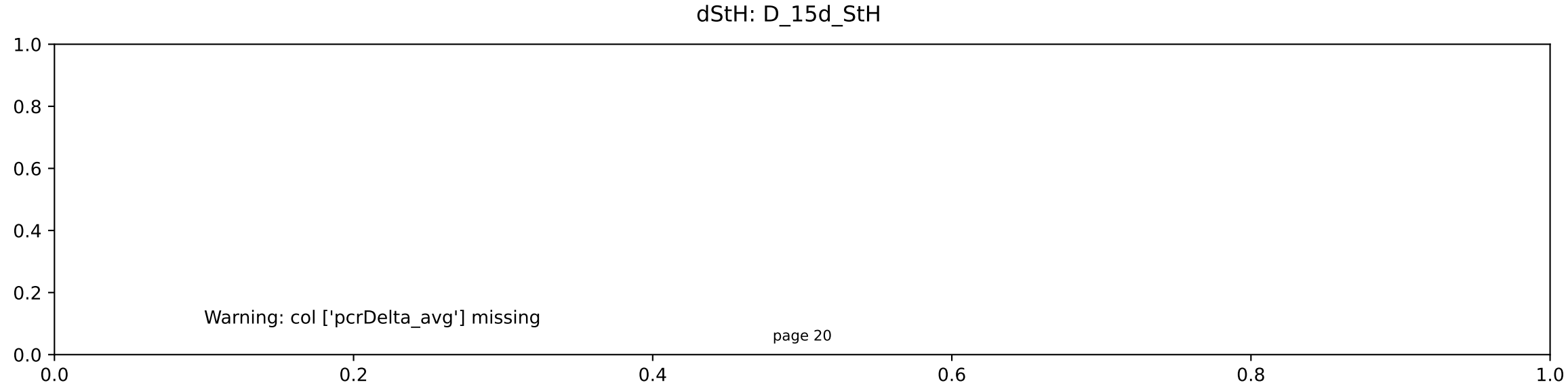

NdD: sfDem
sfDem
2.0
1.5
1.0
0.5
0.0
5
6
7
8
9
10
d

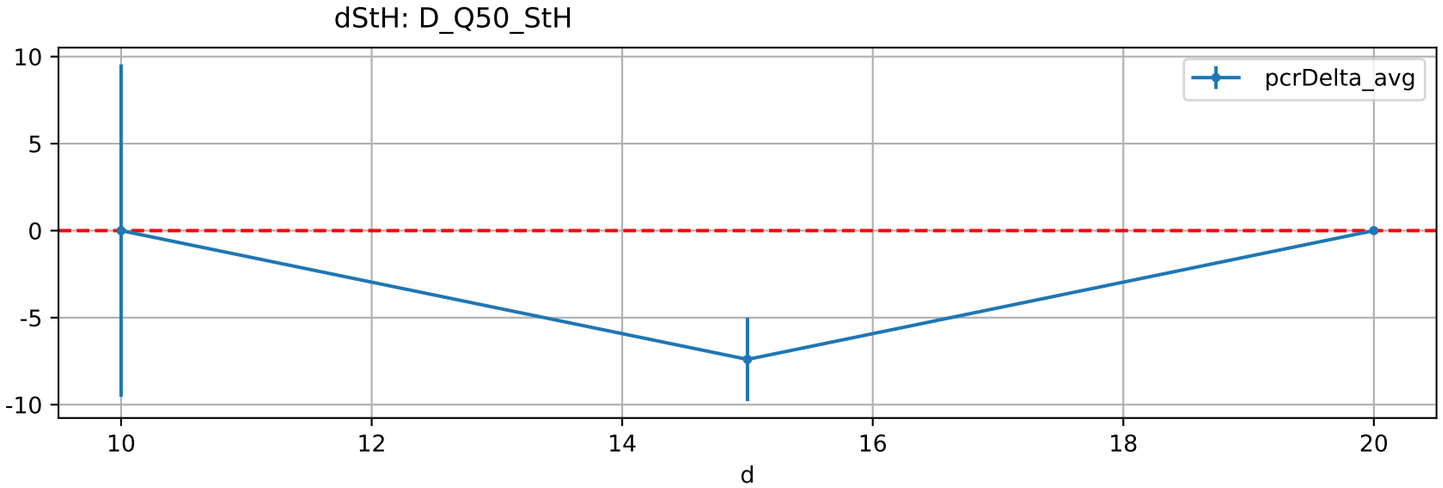

15
16
17
18
19
20
d
40
20
0
-20
-40

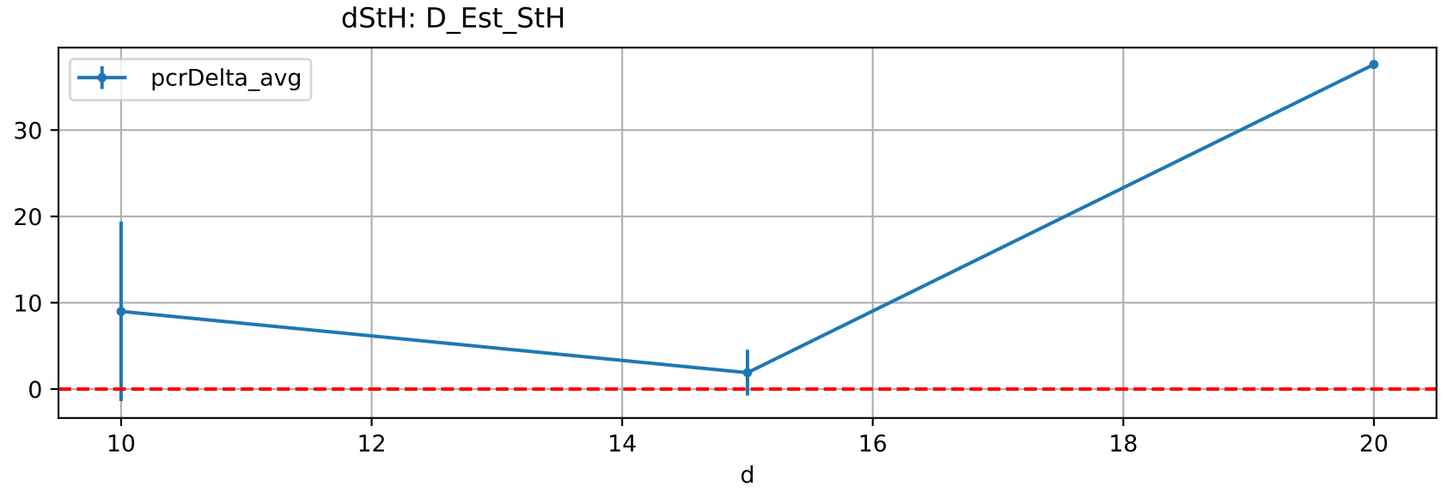

dStH: avg vs. d
avg
3.4
3.2
3.0
2.8
2.6
2.4
2.2
10
12
14
16
18
20
d

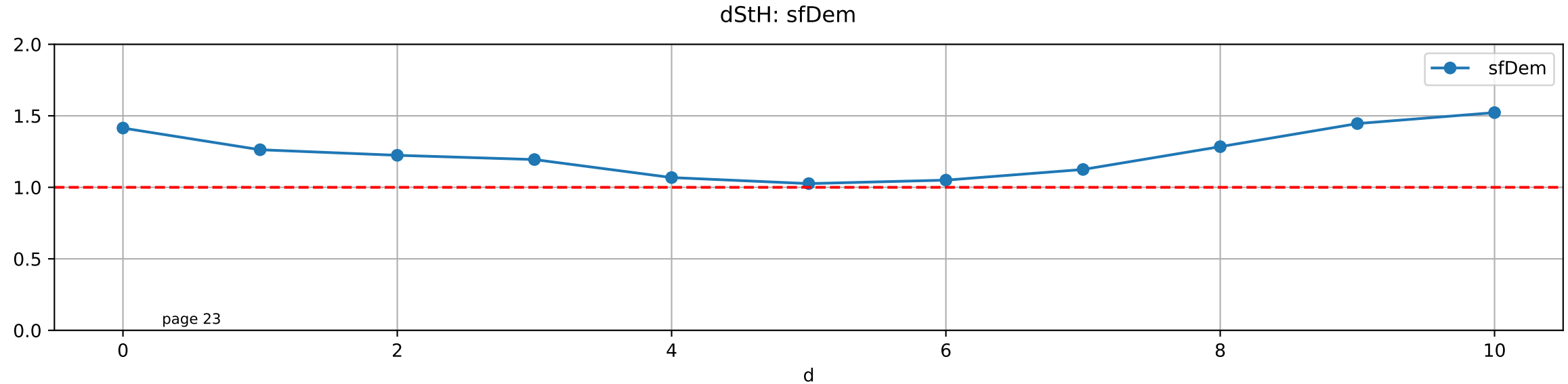

dStH: obsAvg vs obsOv@Q50
3.5
3.0
2.5
2.0
10
12
14
16
18
20
d
q50
est
avg

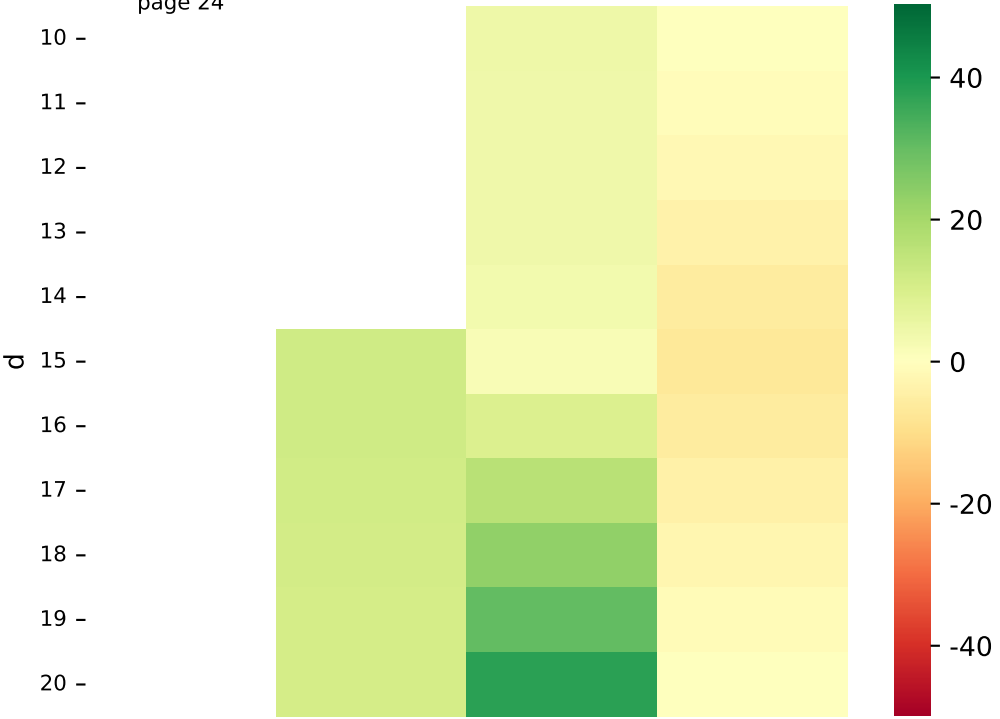

dStH: D_5d_StH
pcrDelta_avg
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
10
12
14
16
18
20
d

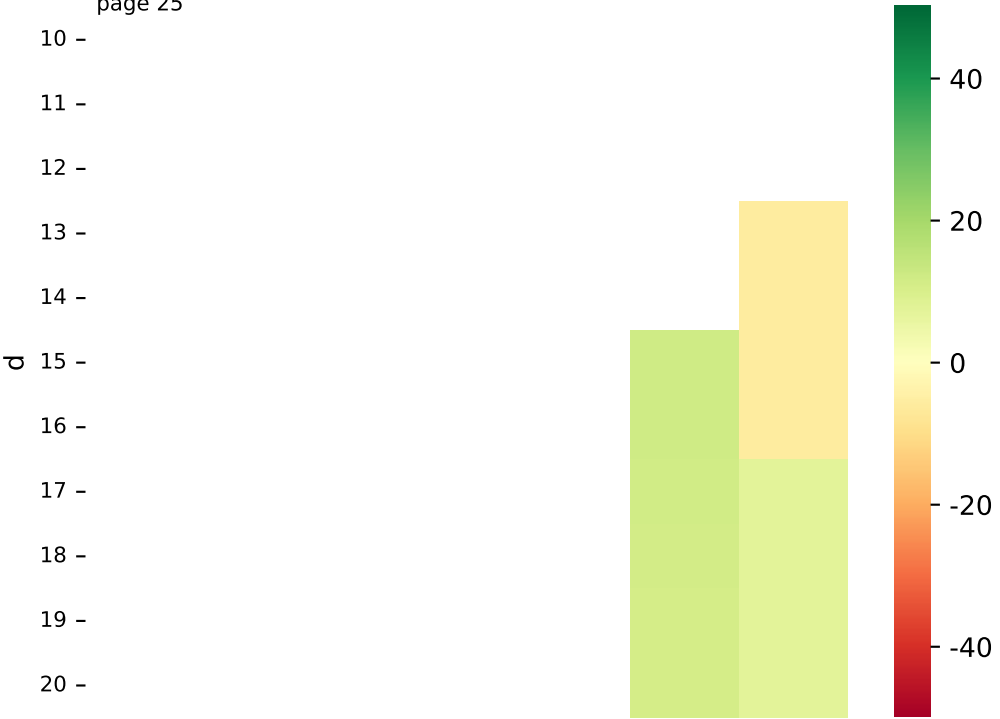

dStH: D_15d_StH
1.0
0.8
0.6
0.4
0.2
0.0
Warning: col ['pcrDelta_avg'] missing
page 20
0.0
0.2
0.4
0.6
0.8
1.0


dStH: D_Q50_StH
pcrDelta_avg
10
5
0
-5
-10
10
12
14
16
18
20
d


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


dStH: sfDem
sfDem
2.0
1.5
1.0
0.5
0.0
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