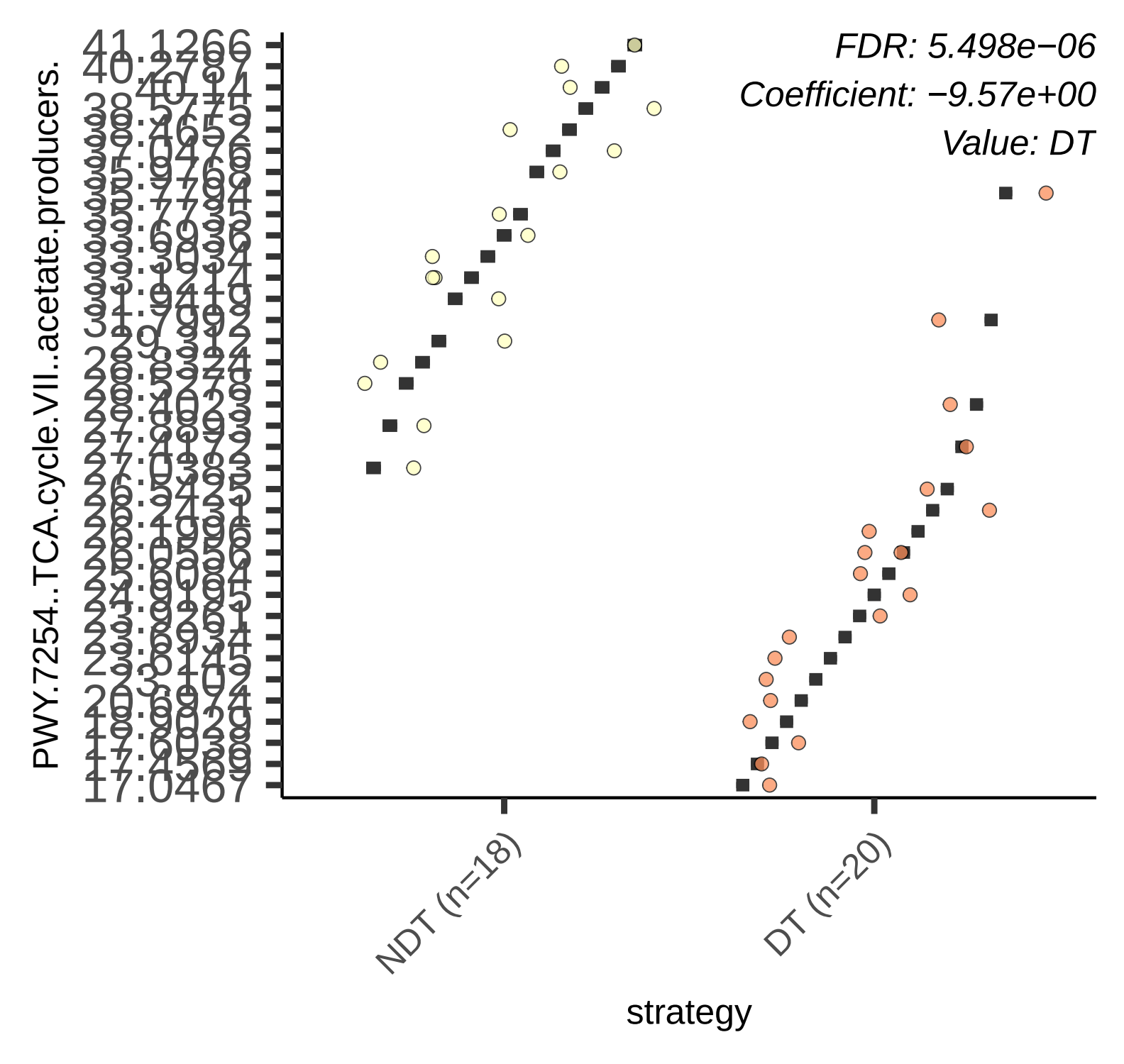
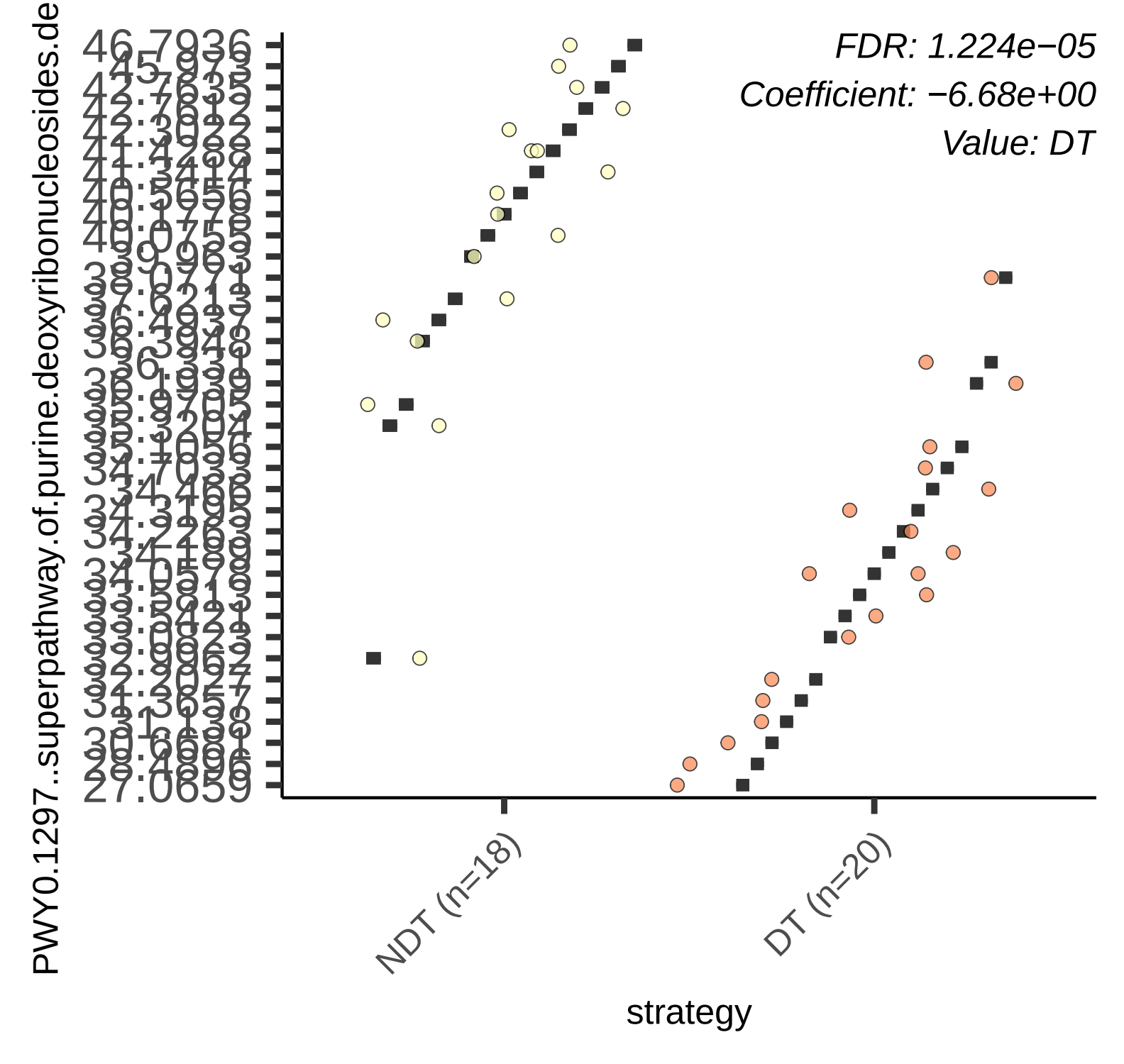
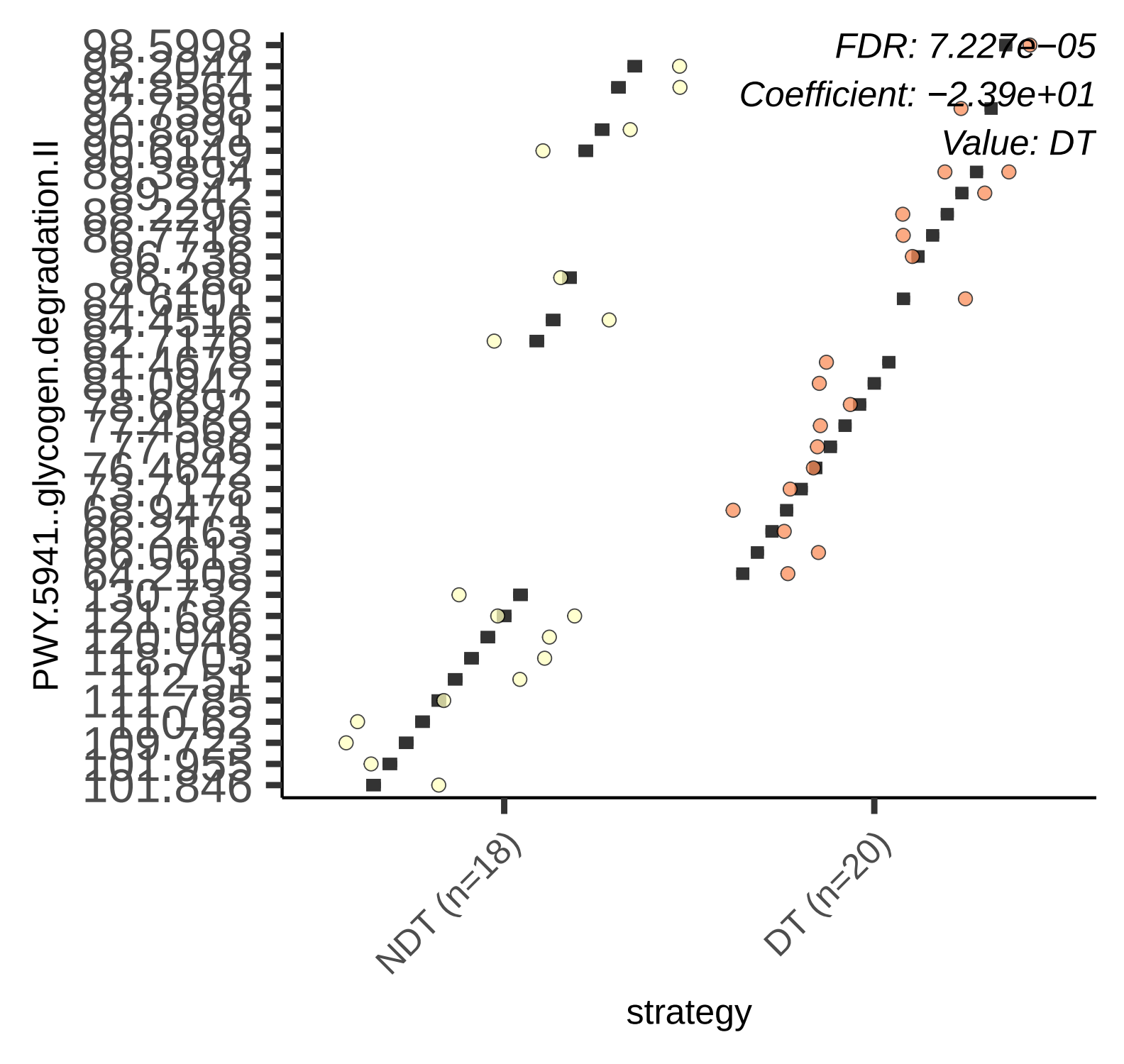
FDR: 5.498e−06
Coefficient: −6.11e+00
Value: DT
P41.PWY..pyruvate.fermentation.to.acetate.and..S..lacta
NDT (n=18)
DT (n=20)
strategy

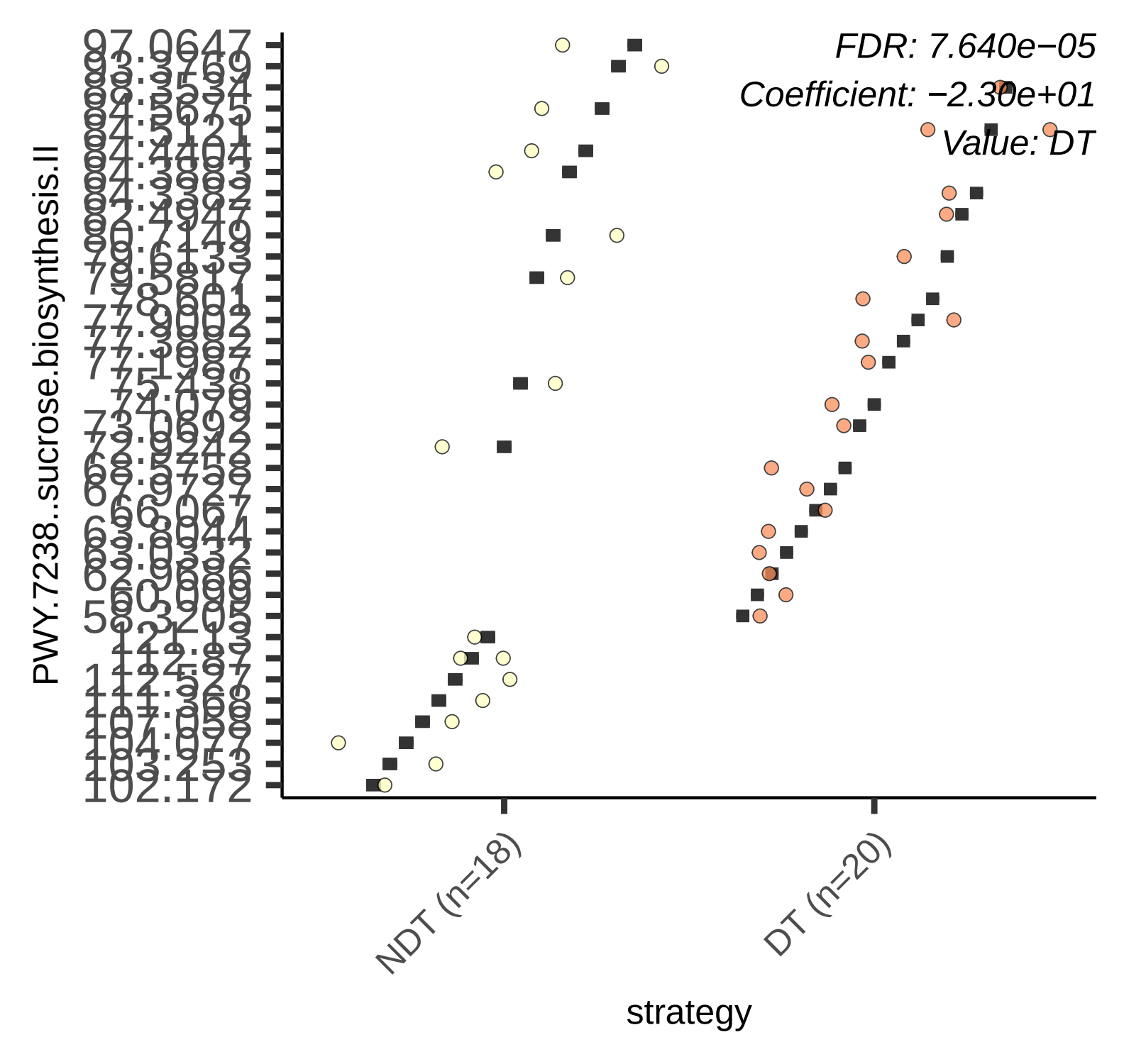

FDR: 5.498e−06
Coefficient: −9.57e+00
Value: DT
PWY.7254..TCA.cycle.VII..acetate.producers.
NDT (n=18)
DT (n=20)
strategy

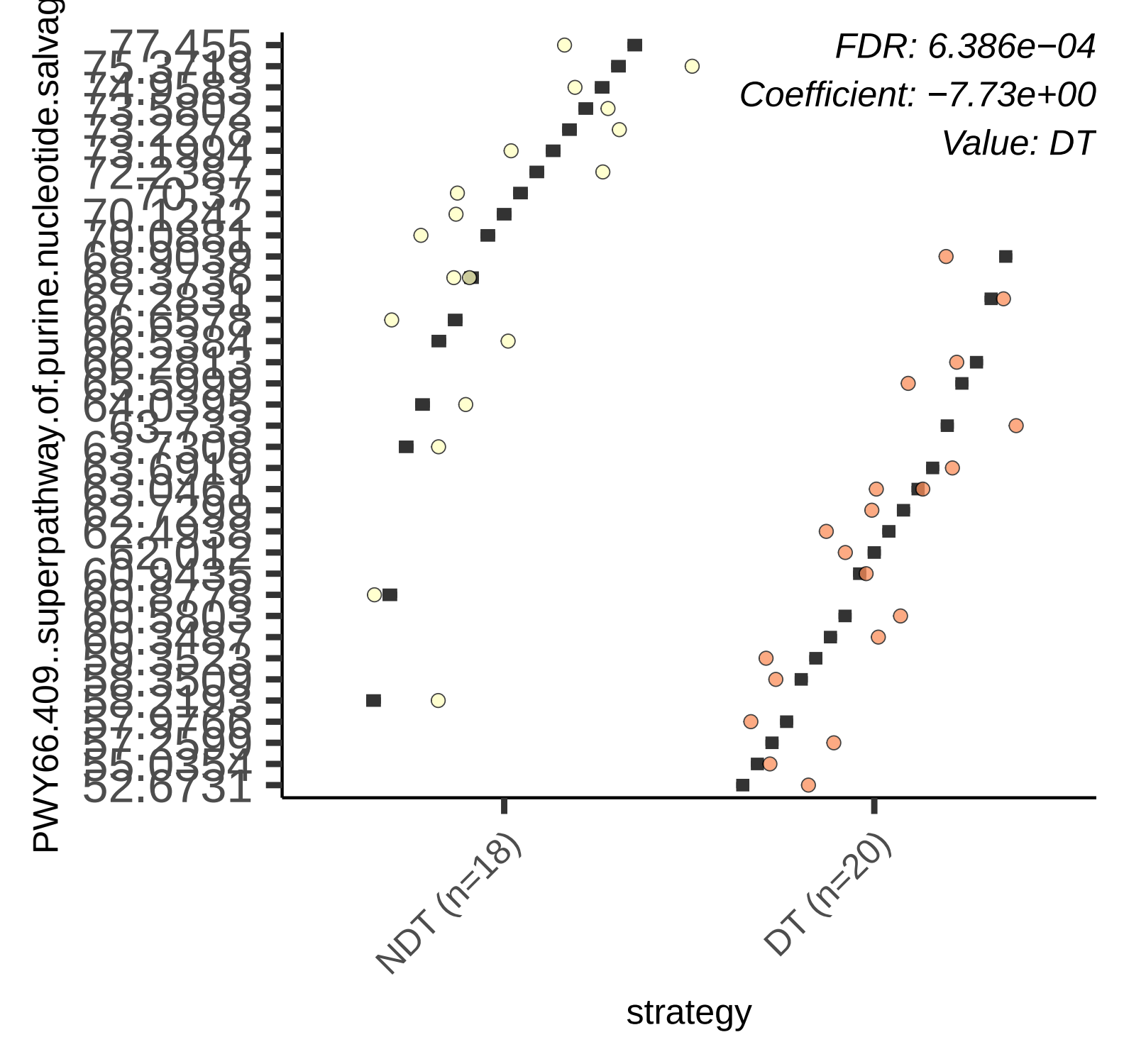

FDR: 1.224e−05
Coefficient: −6.68e+00
Value: DT
PWY0.1297..superpathway.of.purine.deoxyribonucleosides.de
NDT (n=18)
DT (n=20)
strategy

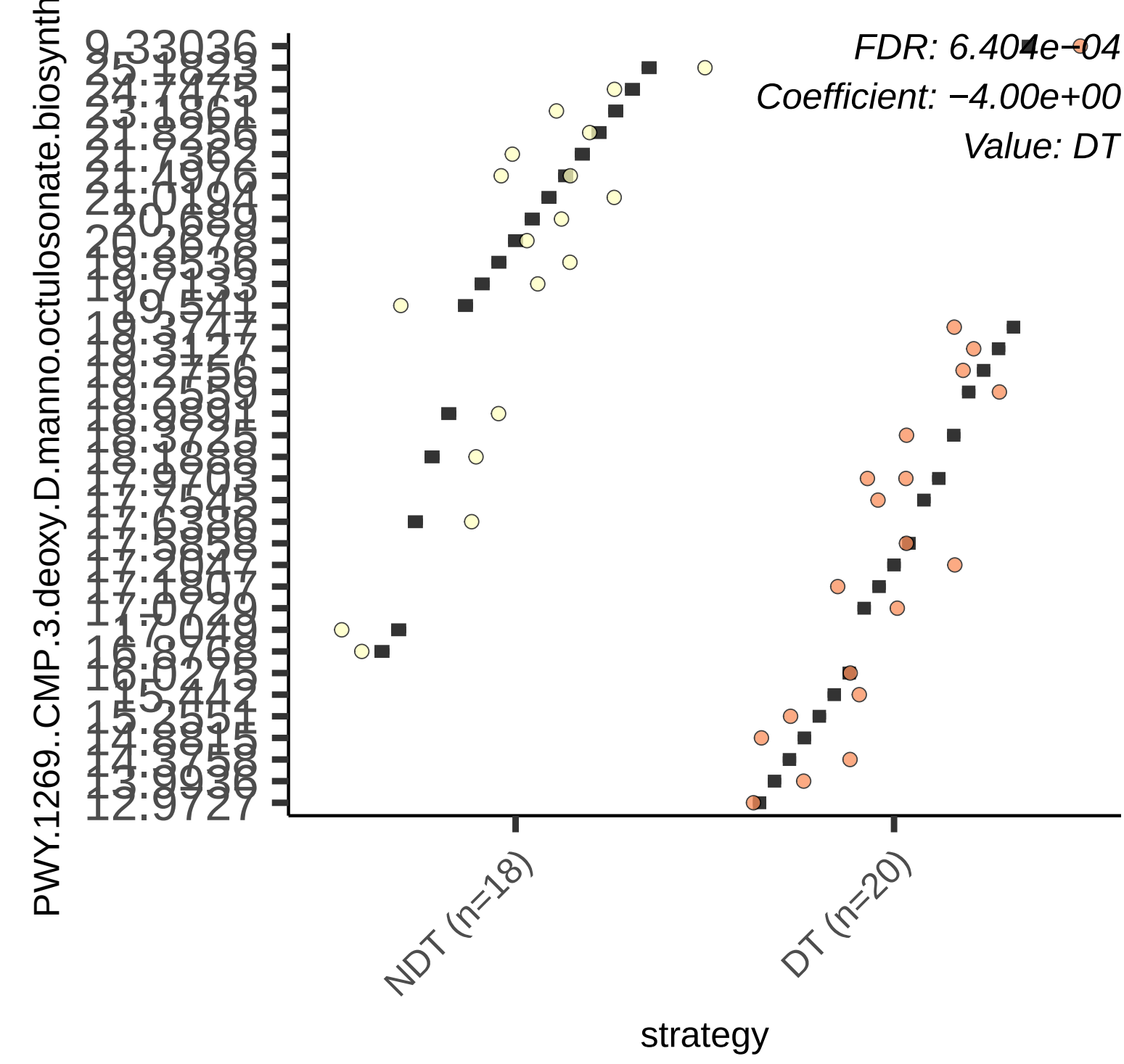
FDR: 3.010e−05
Coefficient: −2.38e+01
Value: DT
GLUCOSE1PMETAB.PWY..glucose.and.glucose.1.phosphate.d
NDT (n=18)
DT (n=20)
strategy

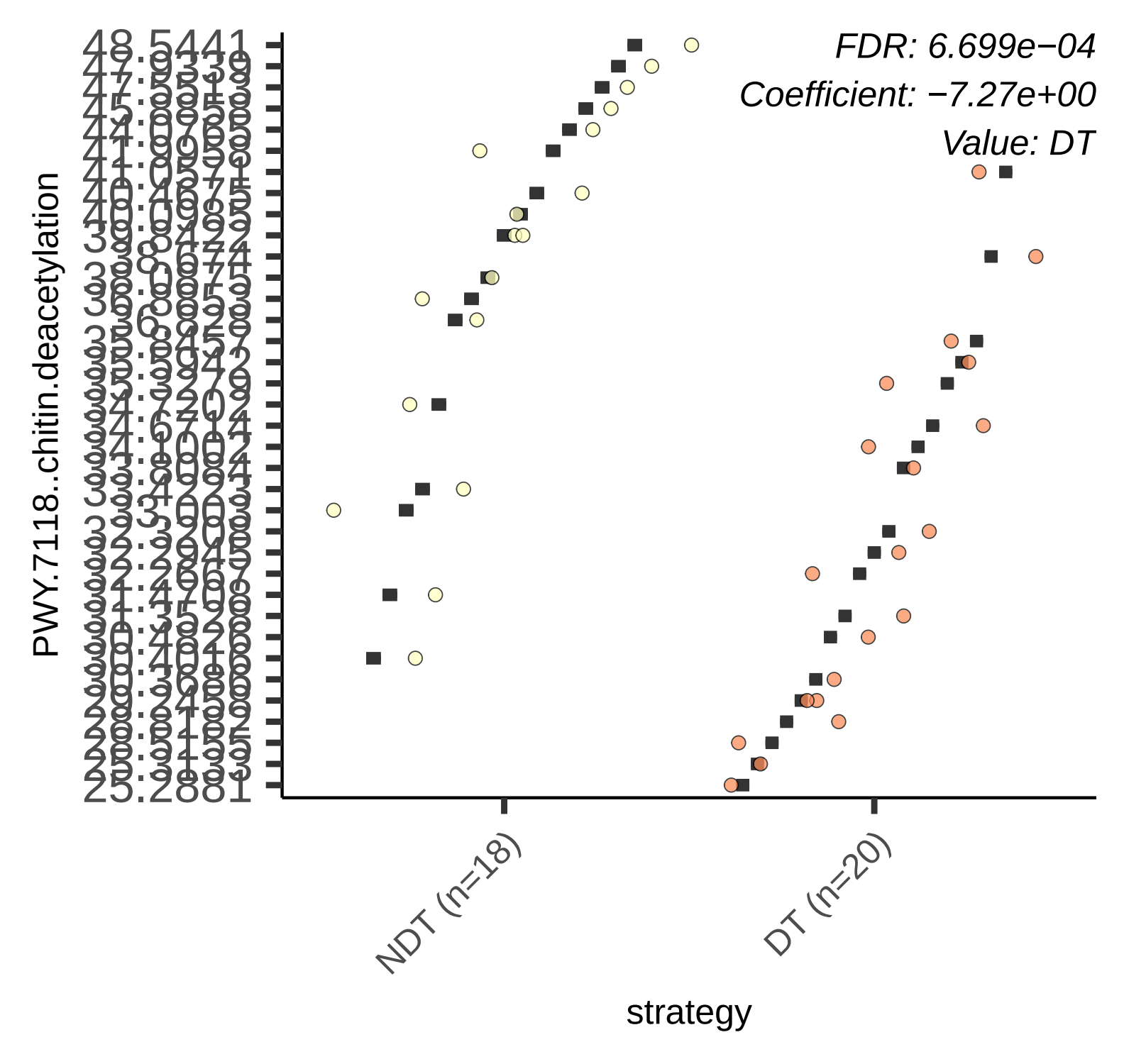

FDR: 7.227e−05
Coefficient: −2.39e+01
Value: DT
PWY.5941..glycogen.degradation.II
NDT (n=18)
DT (n=20)
strategy

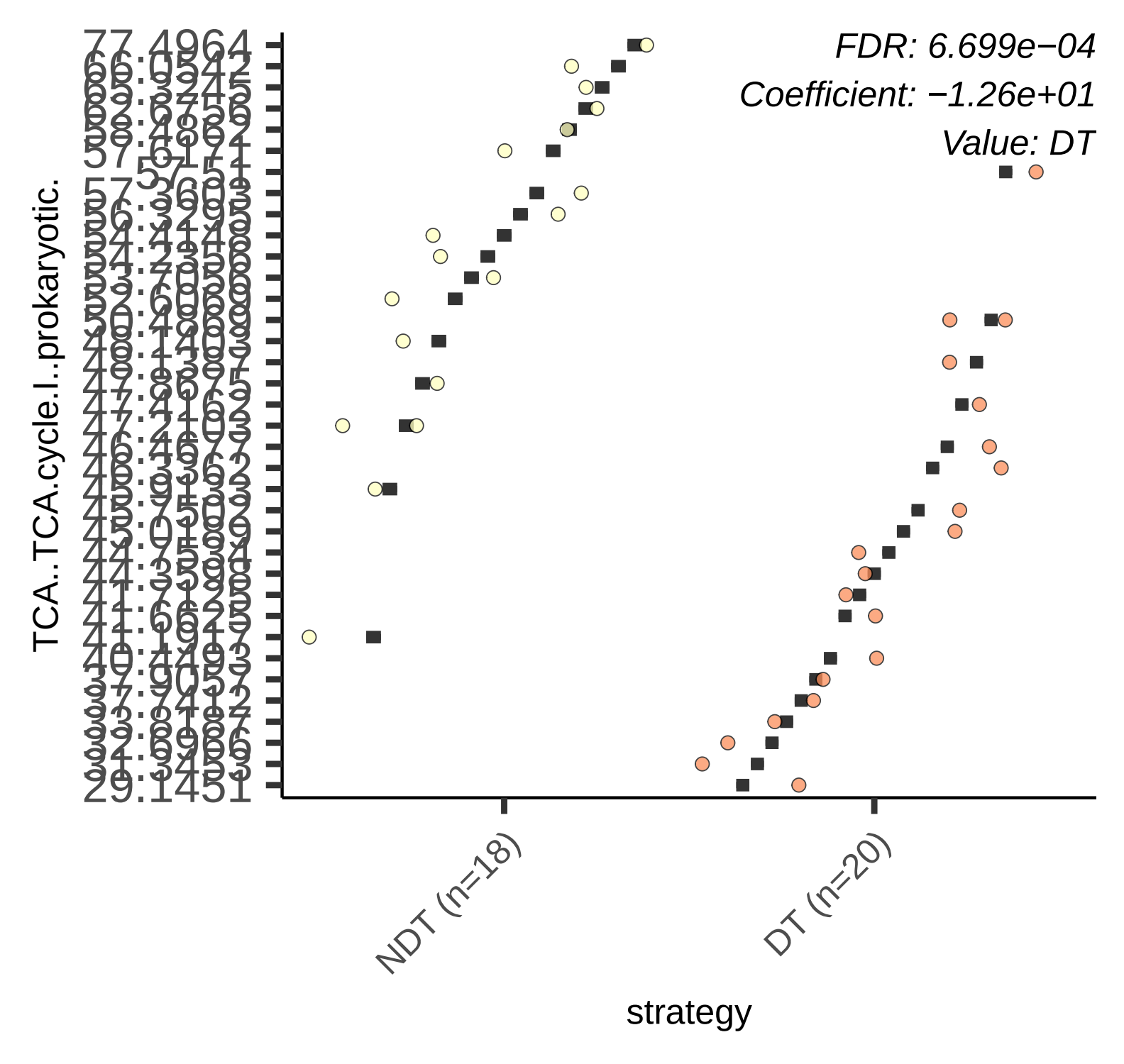
FDR: 7.227e−05
Coefficient: −5.39e+00
Value: DT
PWY.7345..superpathway.of.anaerobic.sucrose.degradation
NDT (n=18)
DT (n=20)
strategy

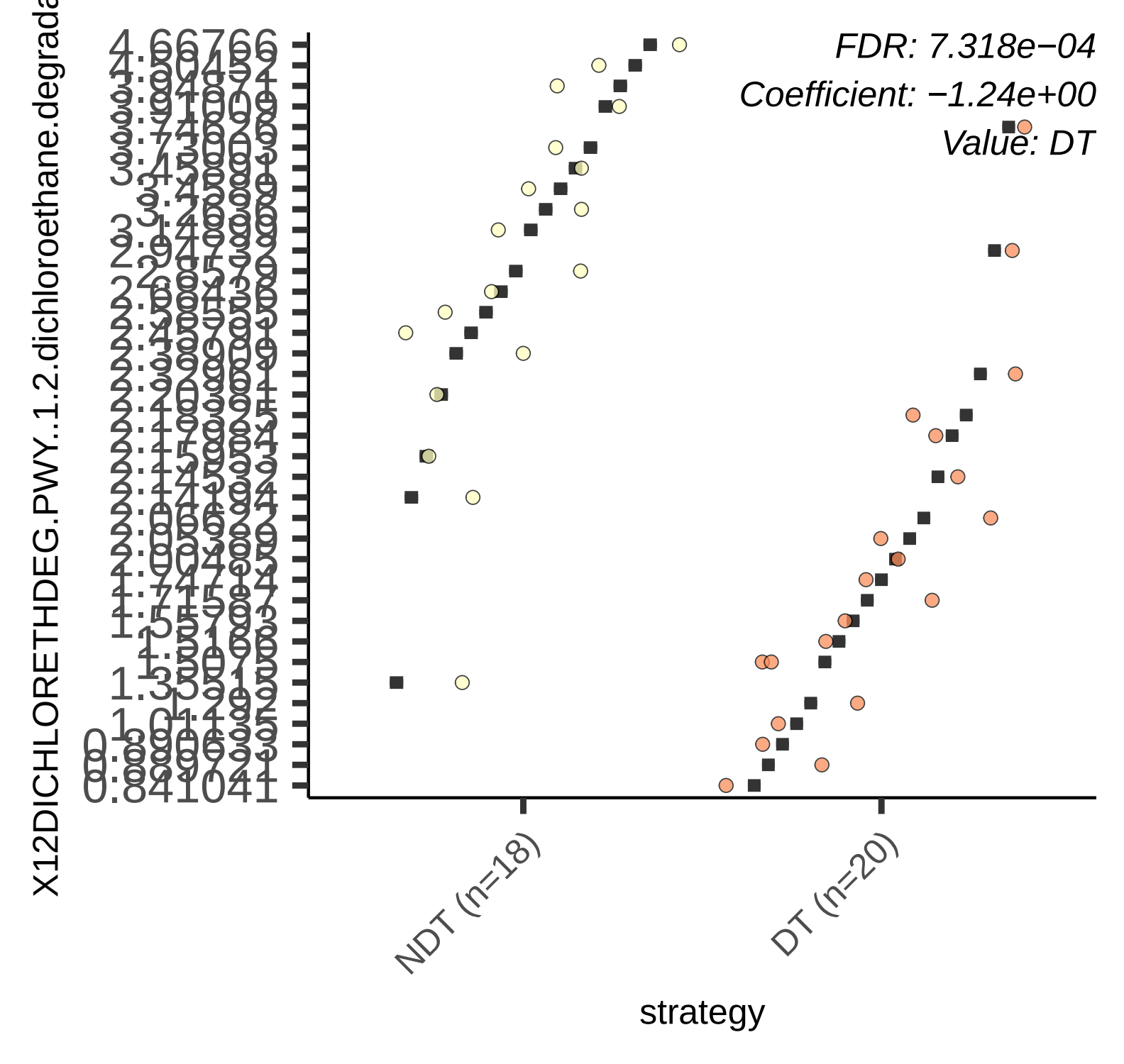

FDR: 7.640e−05
Coefficient: −2.30e+01
Value: DT
PWY.7238..sucrose.biosynthesis.II
NDT (n=18)
DT (n=20)
strategy

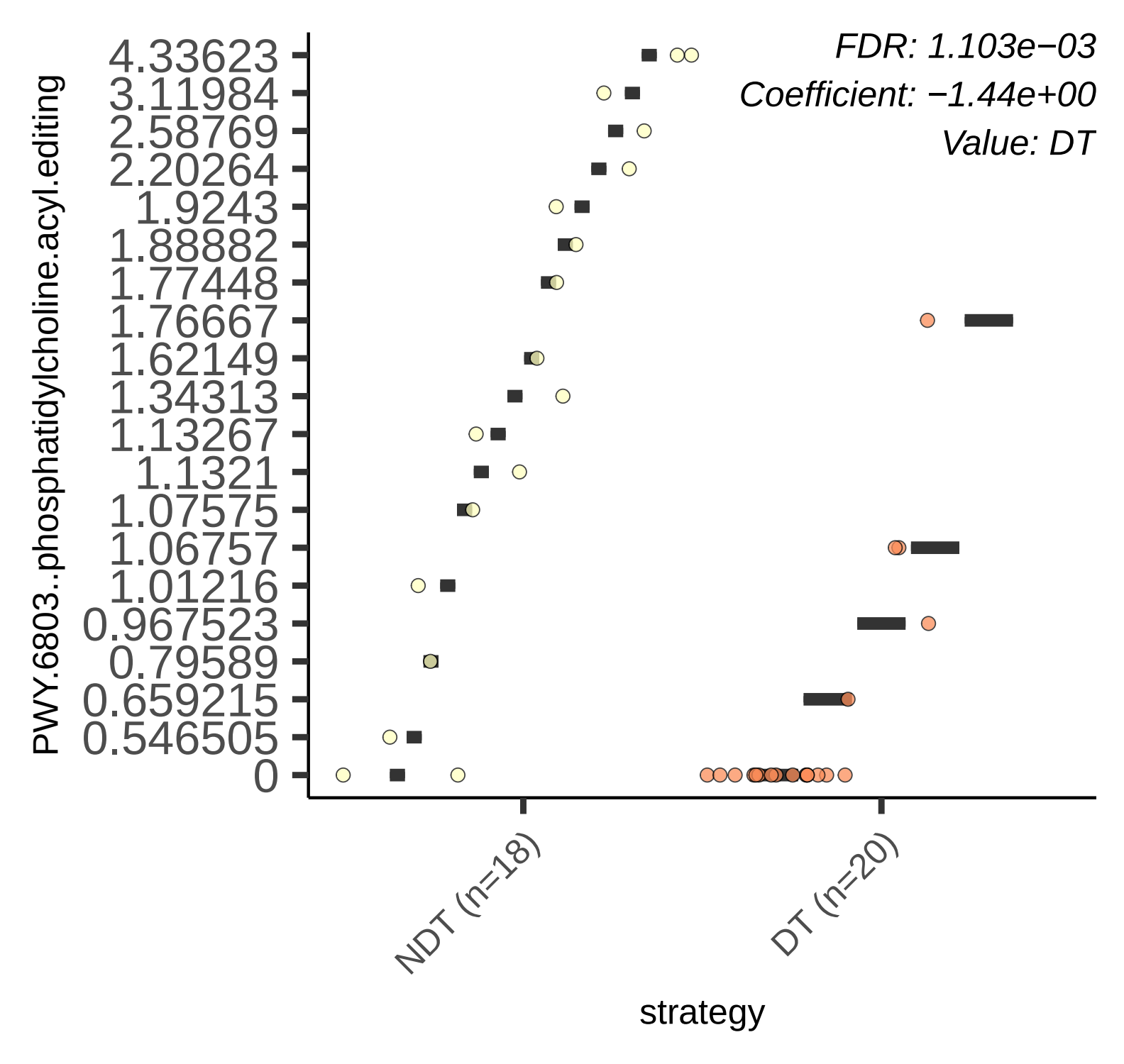

FDR: 6.386e−04
Coefficient: −7.73e+00
Value: DT
PWY66.409..superpathway.of.purine.nucleotide.salvag
NDT (n=18)
DT (n=20)
strategy

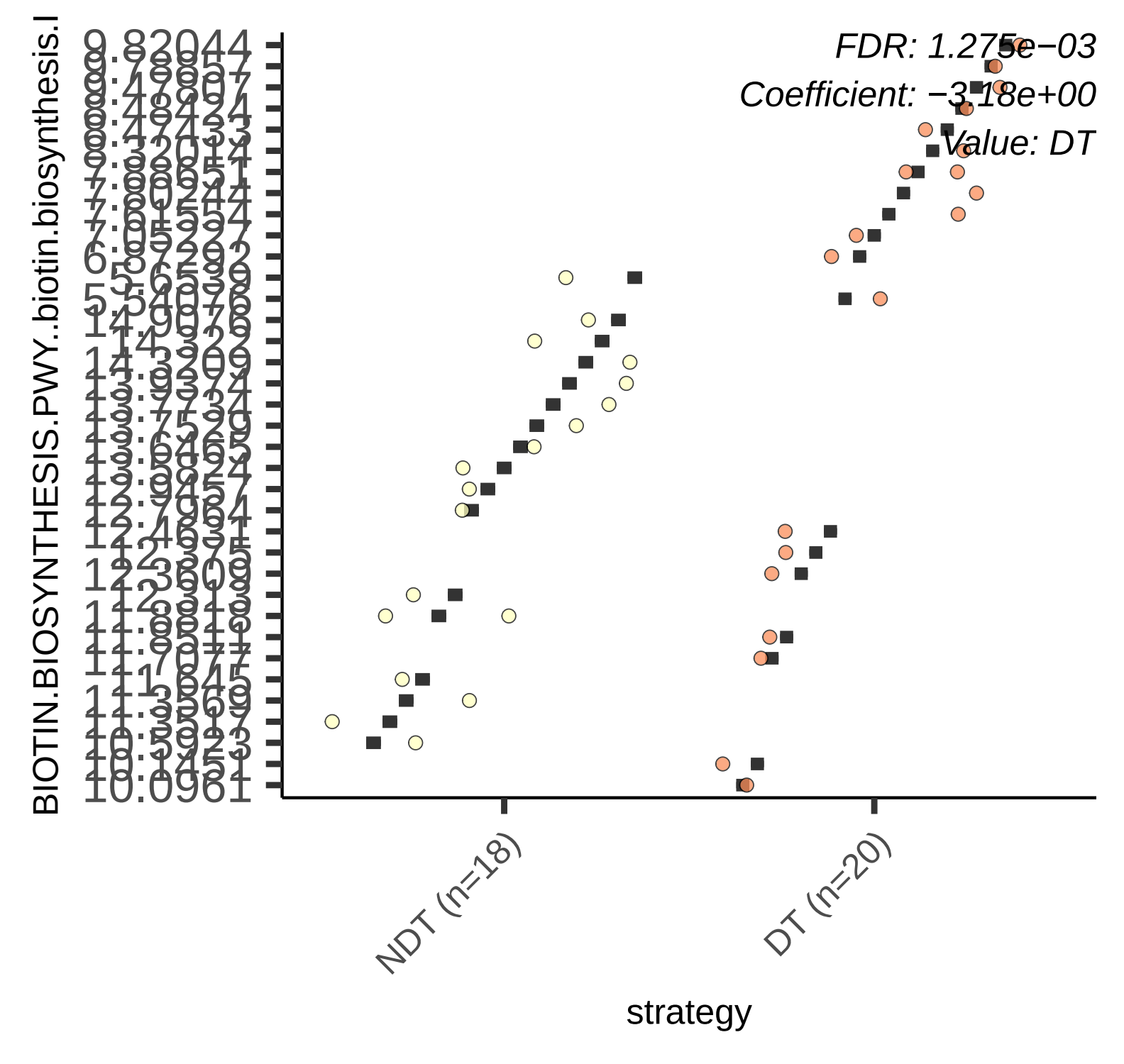

FDR: 6.404e−04
Coefficient: −4.00e+00
Value: DT
PWY.1269..CMP.3.deoxy.D.manno.octulosonate.biosynth
NDT (n=18)
DT (n=20)
strategy

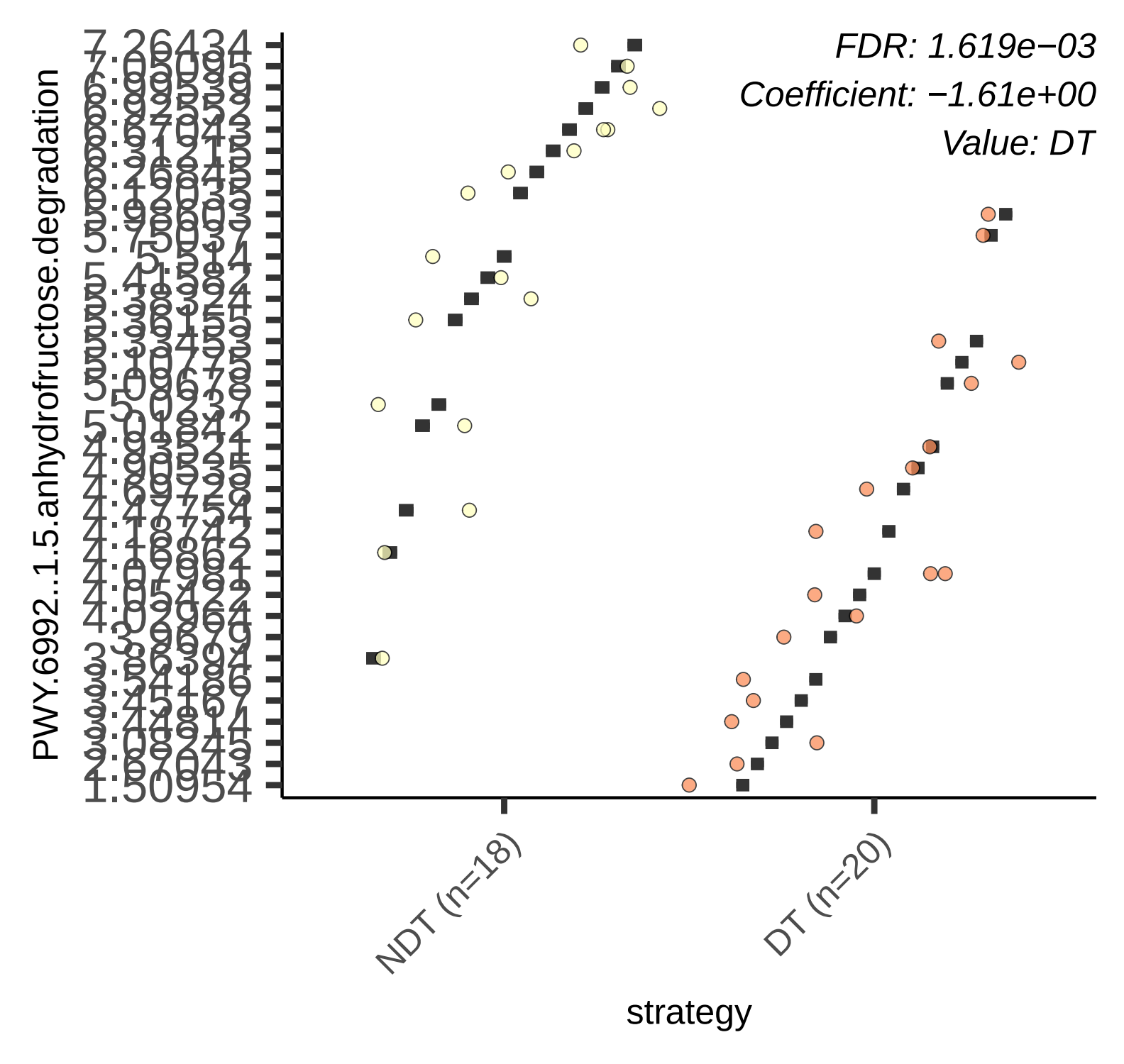

FDR: 6.699e−04
Coefficient: −7.27e+00
Value: DT
PWY.7118..chitin.deacetylation
NDT (n=18)
DT (n=20)
strategy

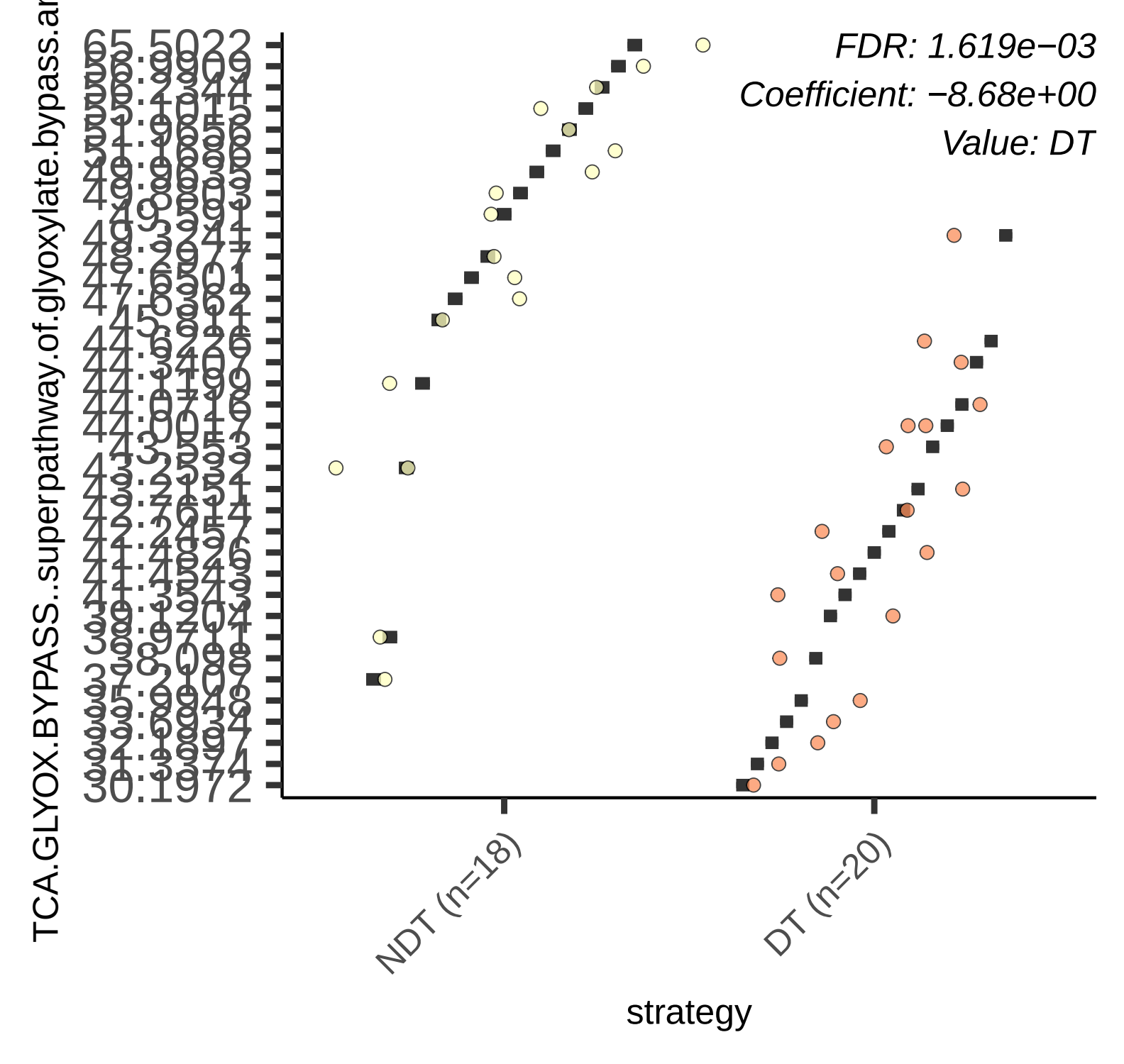

FDR: 6.699e−04
Coefficient: −1.26e+01
Value: DT
TCA..TCA.cycle.I..prokaryotic.
NDT (n=18)
DT (n=20)
strategy

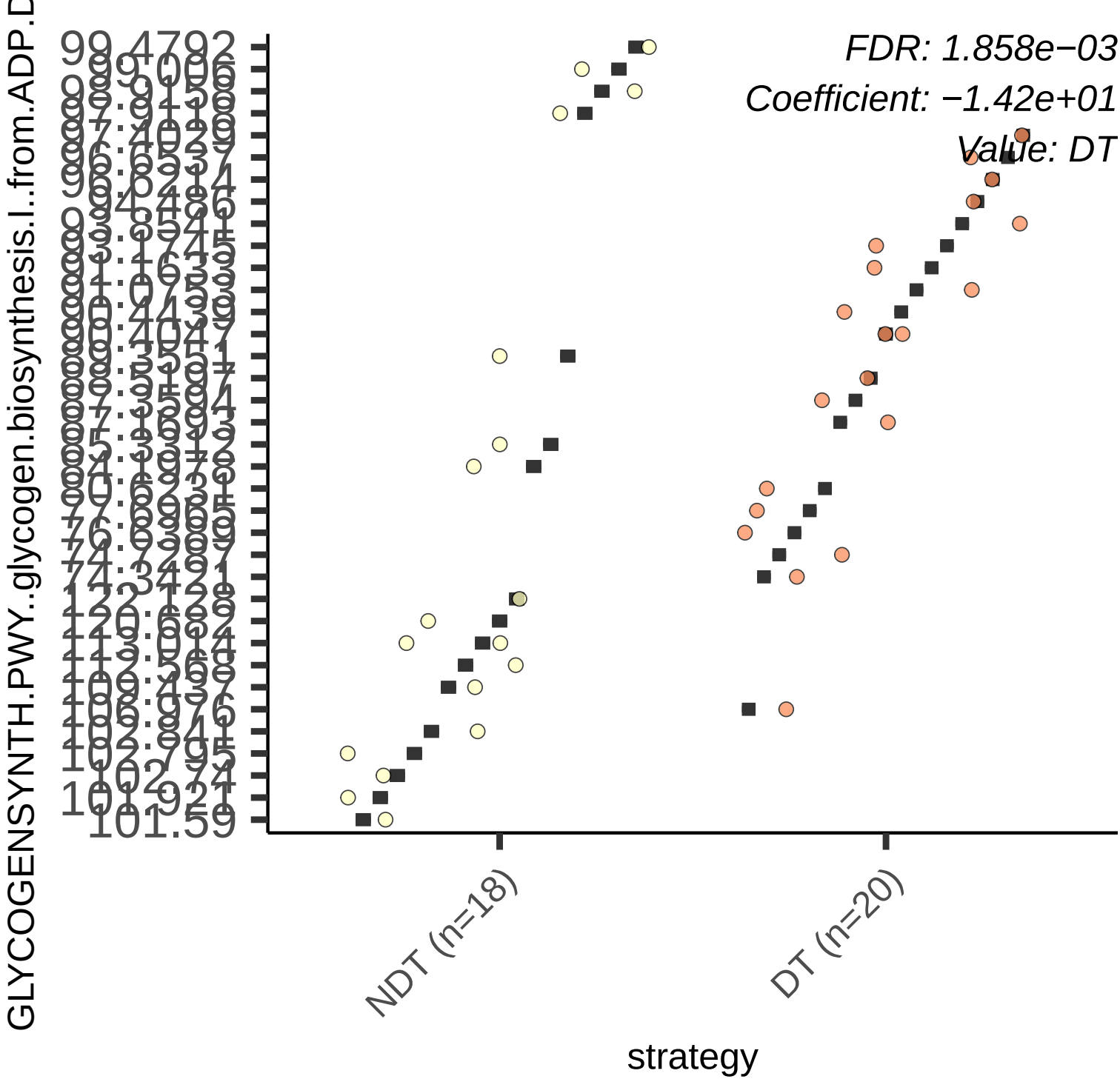

FDR: 7.318e−04
Coefficient: −1.24e+00
Value: DT
X12DICHLORETHDEG.PWY..1.2.dichloroethane.degrada
NDT (n=18)
DT (n=20)
strategy

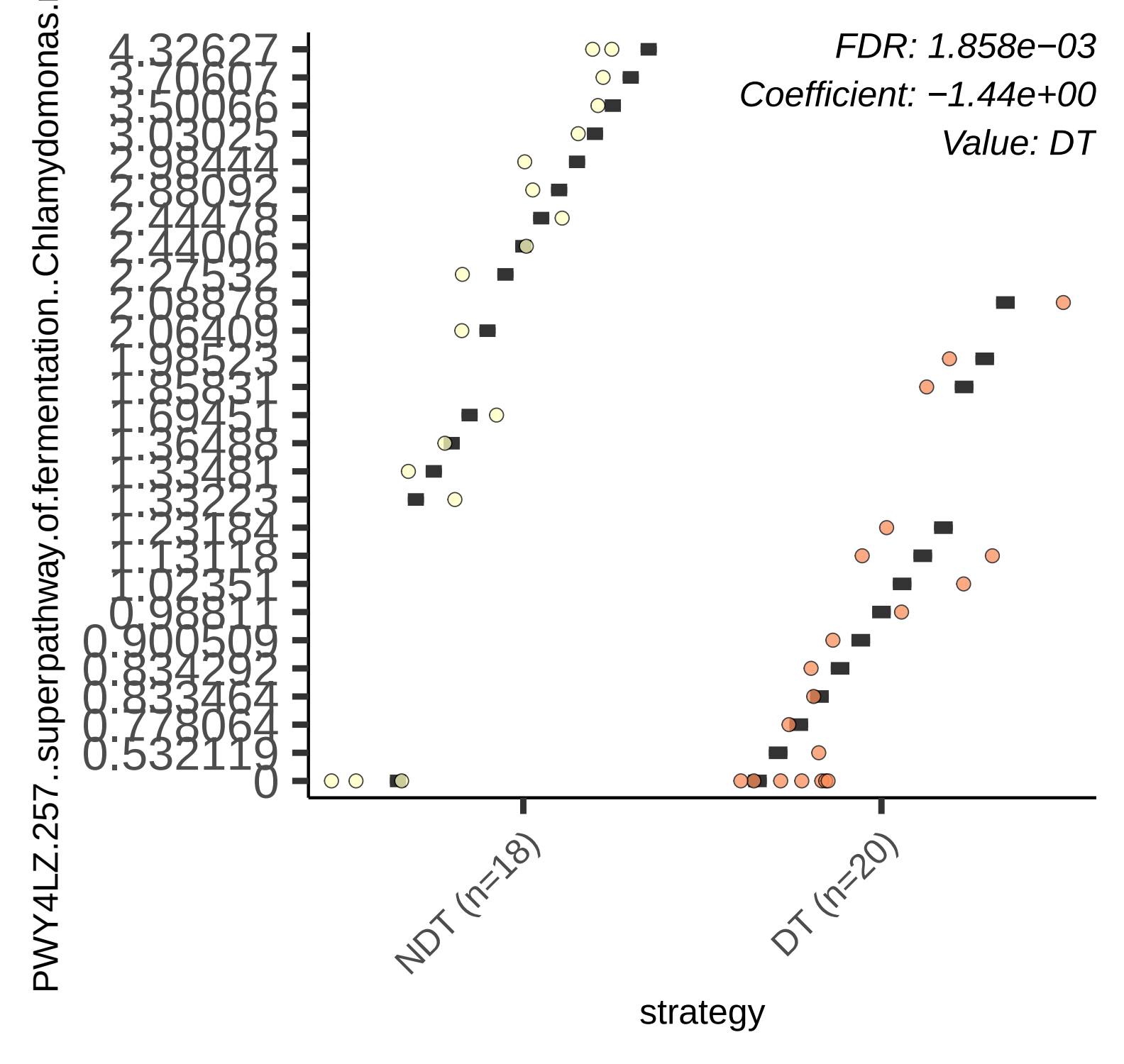

FDR: 1.103e−03
Coefficient: −1.44e+00
Value: DT
PWY.6803..phosphatidylcholine.acyl.editing
4.33623
3.11984
2.58769
2.20264
1.9243
1.88882
1.77448
1.76667
1.62149
1.34313
1.13267
1.1321
1.07575
1.06757
1.01216
0.967523
0.79589
0.659215
0.546505
0
NDT (n=18)
DT (n=20)
strategy

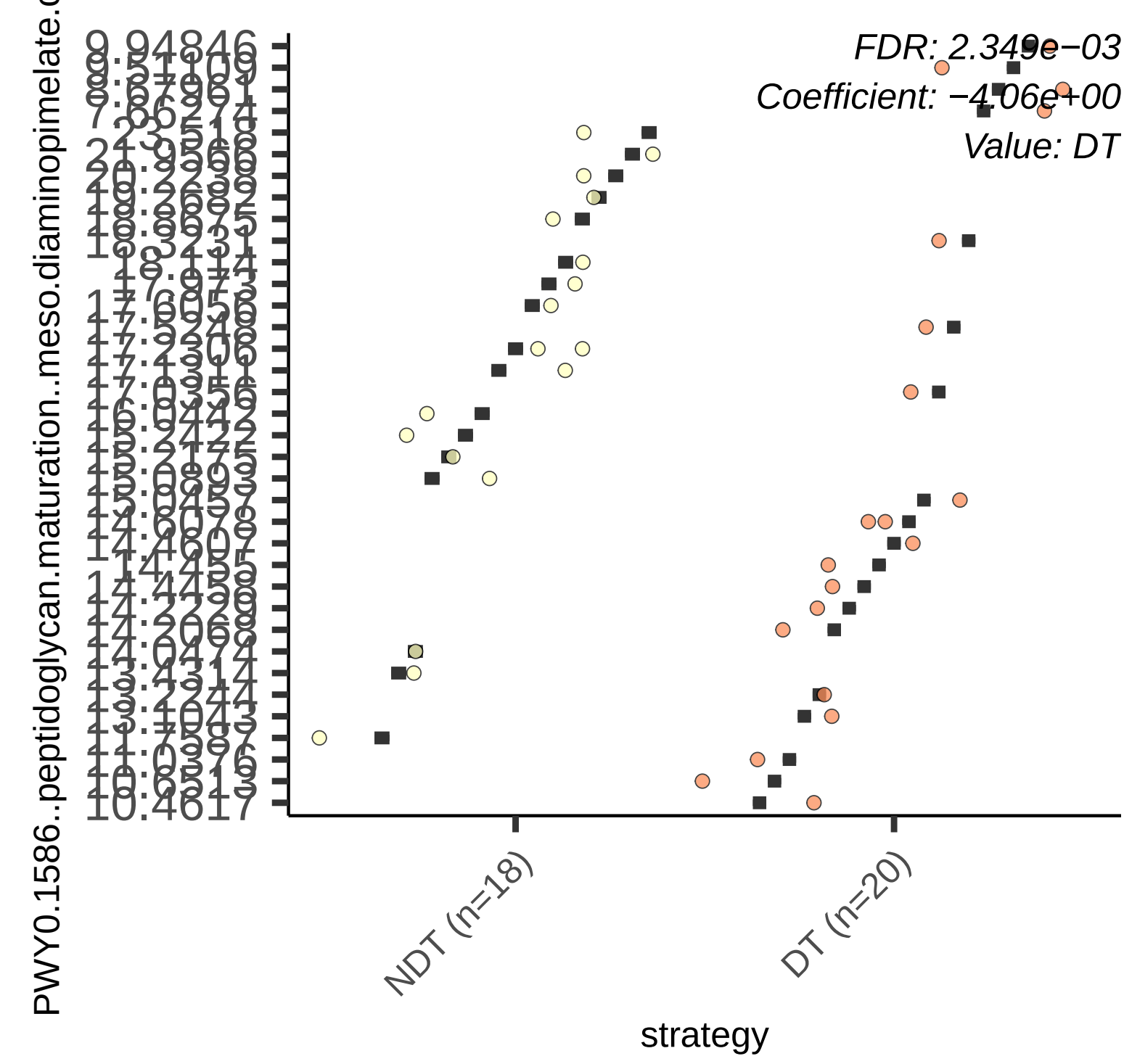

FDR: 1.275e−03
Coefficient: −3.18e+00
Value: DT
BIOTIN.BIOSYNTHESIS.PWY..biotin.biosynthesis.I
NDT (n=18)
DT (n=20)
strategy

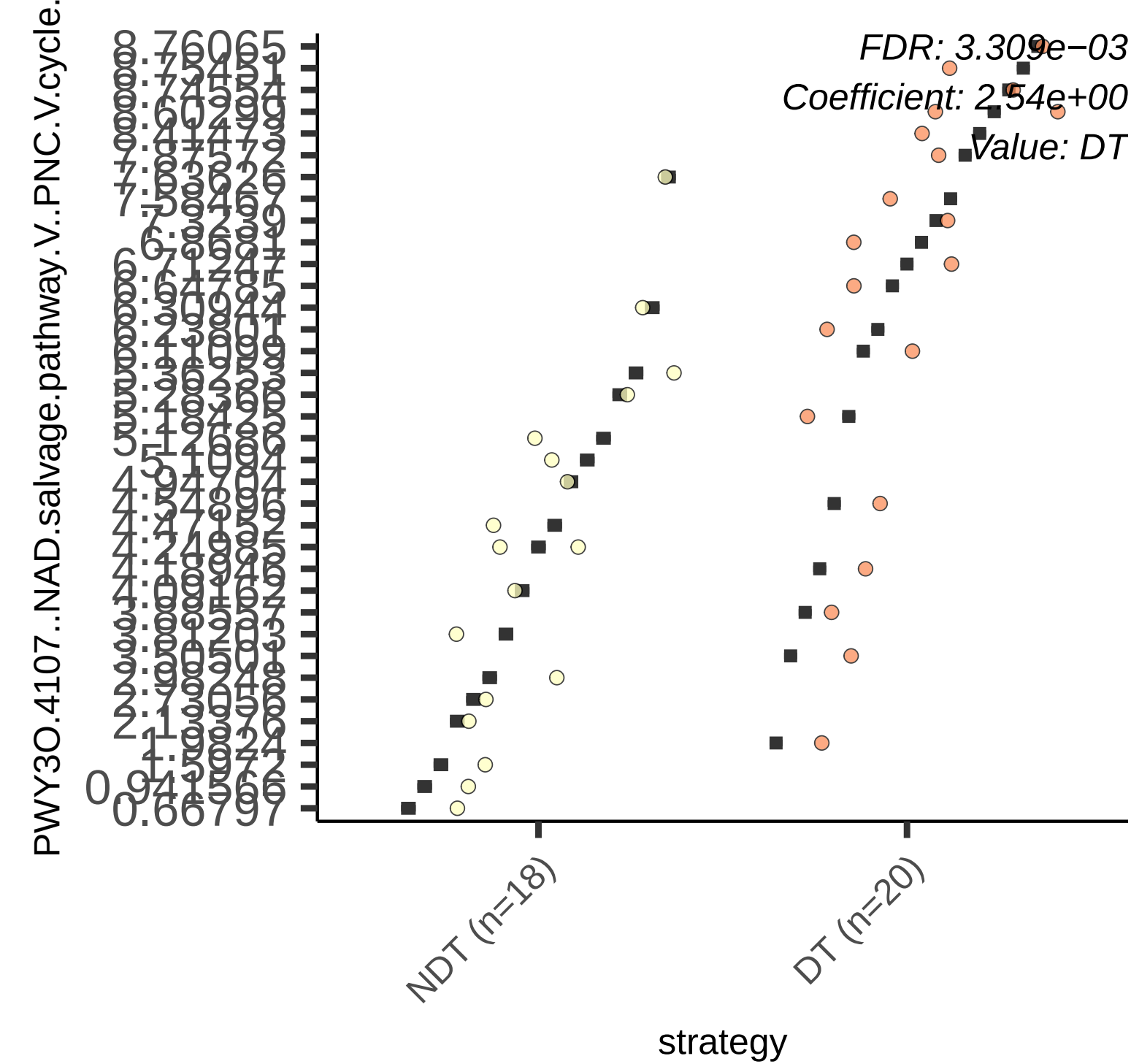

FDR: 1.619e−03
Coefficient: −1.61e+00
Value: DT
PWY.6992..1.5.anhydrofructose.degradation
NDT (n=18)
DT (n=20)
strategy

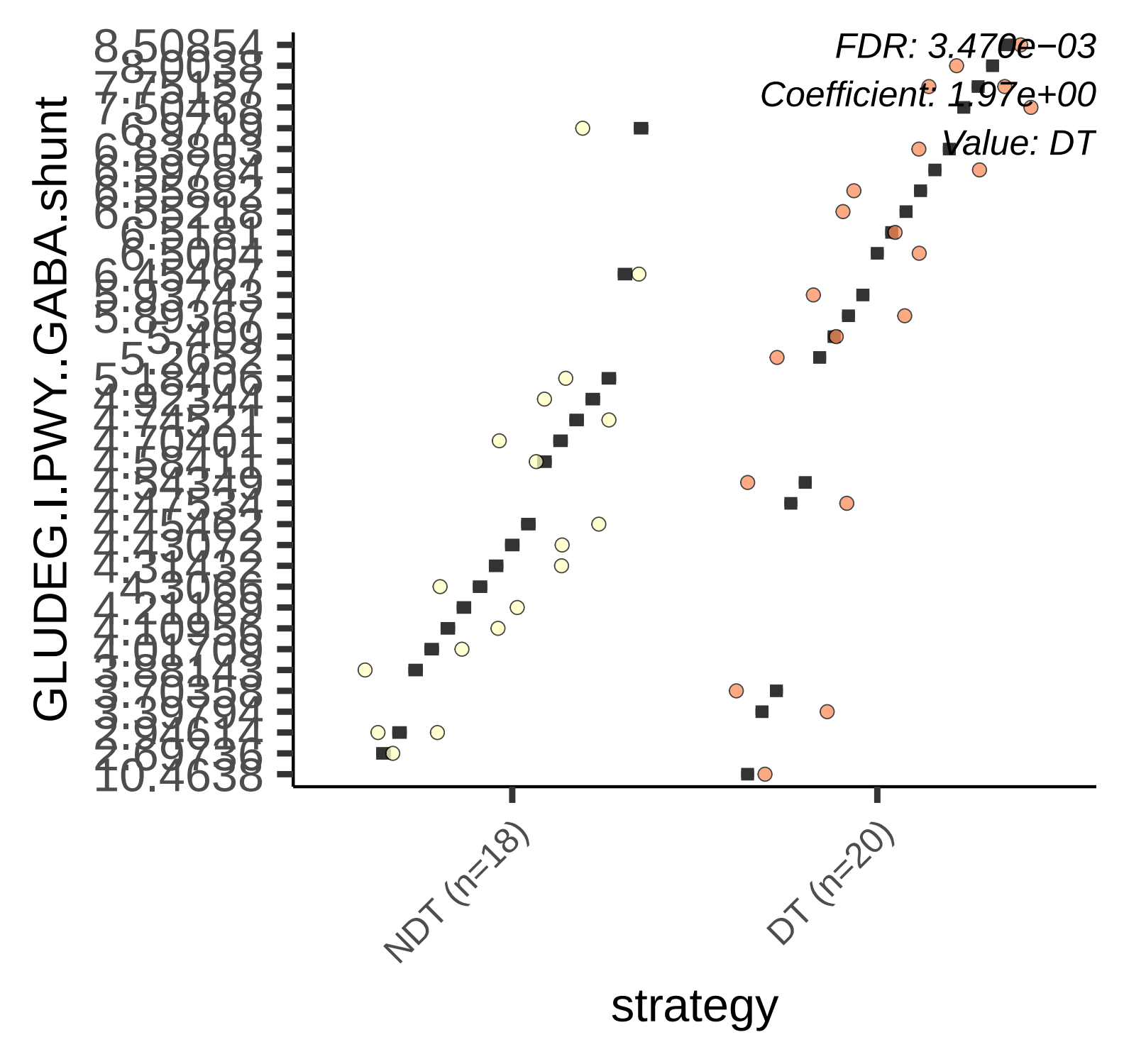

FDR: 1.619e−03
Coefficient: −8.68e+00
Value: DT
TCA.GLYOX.BYPASS..superpathway.of.glyoxylate.bypass.
NDT (n=18)
DT (n=20)
strategy


FDR: 1.858e−03
Coefficient: −1.42e+01
Value: DT
GLYCOGENSYNTH.PWY..glycogen.biosynthesis.I..from.ADP.D
NDT (n=18)
DT (n=20)
strategy

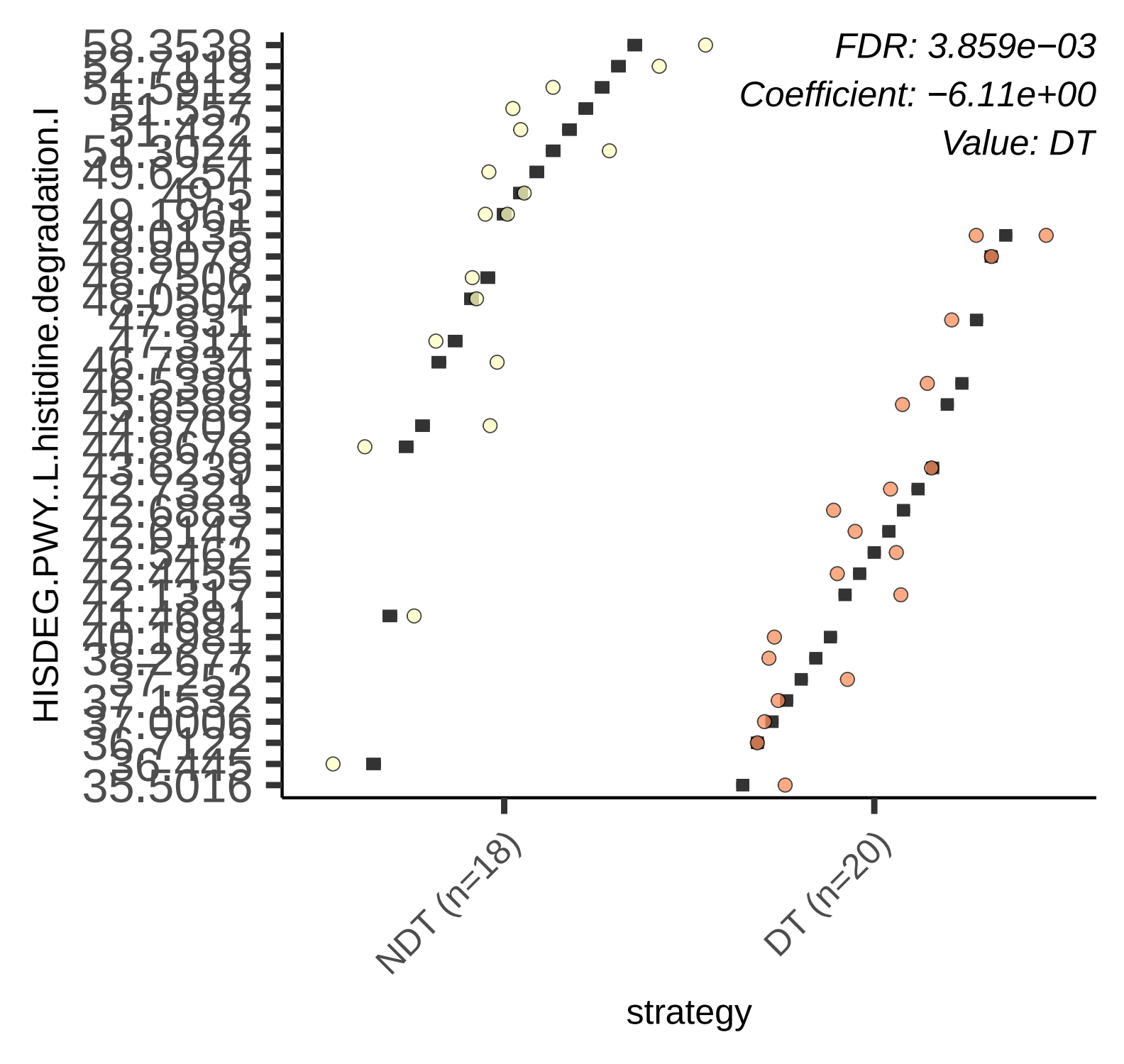

FDR: 1.858e−03
Coefficient: −1.44e+00
Value: DT
PWY4LZ.257..superpathway.of.fermentation..Chlamydomonas.
4.32627
0.532119
0
NDT (n=18)
DT (n=20)
strategy

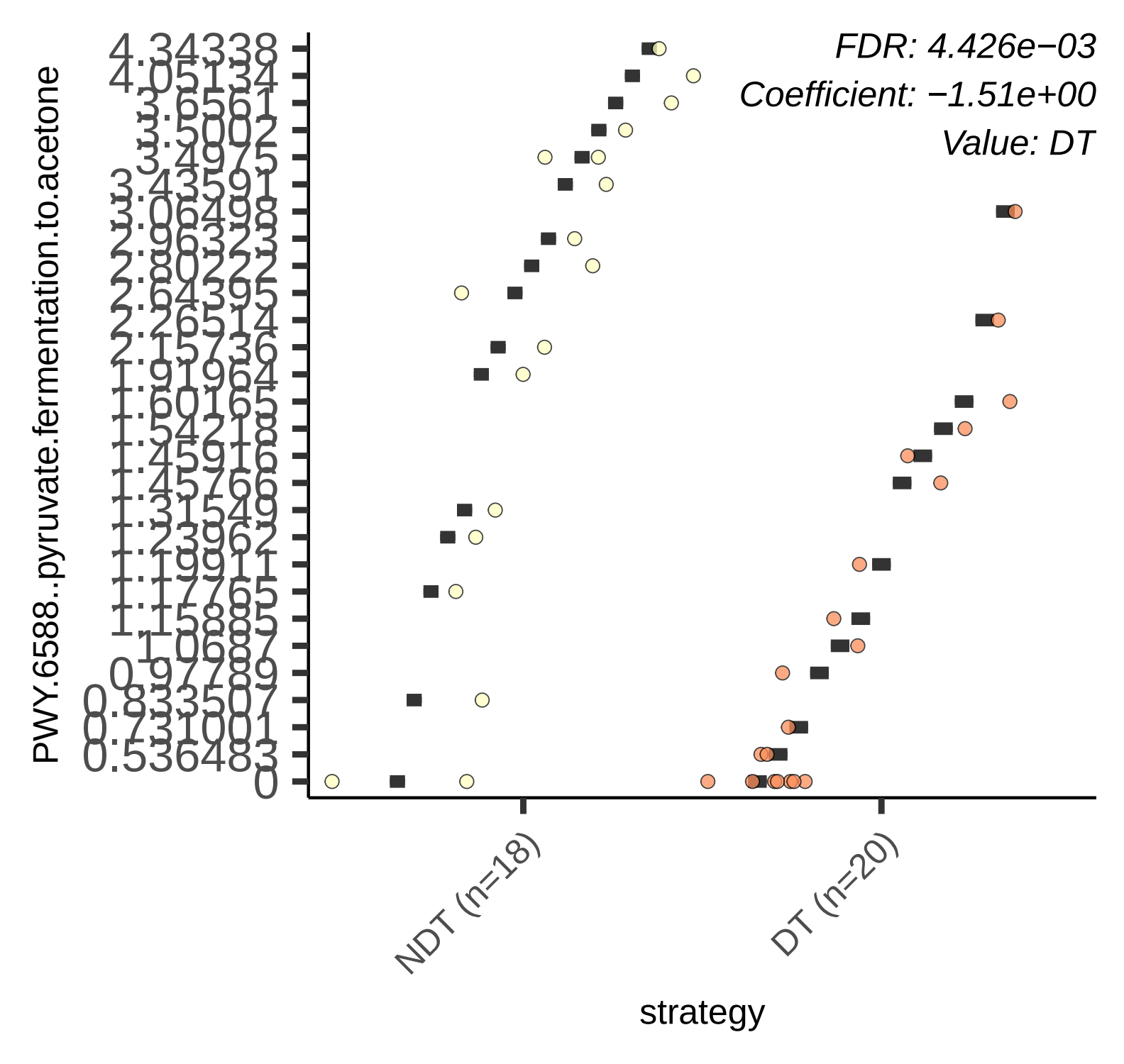

FDR: 2.349e−03
Coefficient: −4.06e+00
Value: DT
PWY0.1586..peptidoglycan.maturation..meso.diaminopimelate.
NDT (n=18)
DT (n=20)
strategy

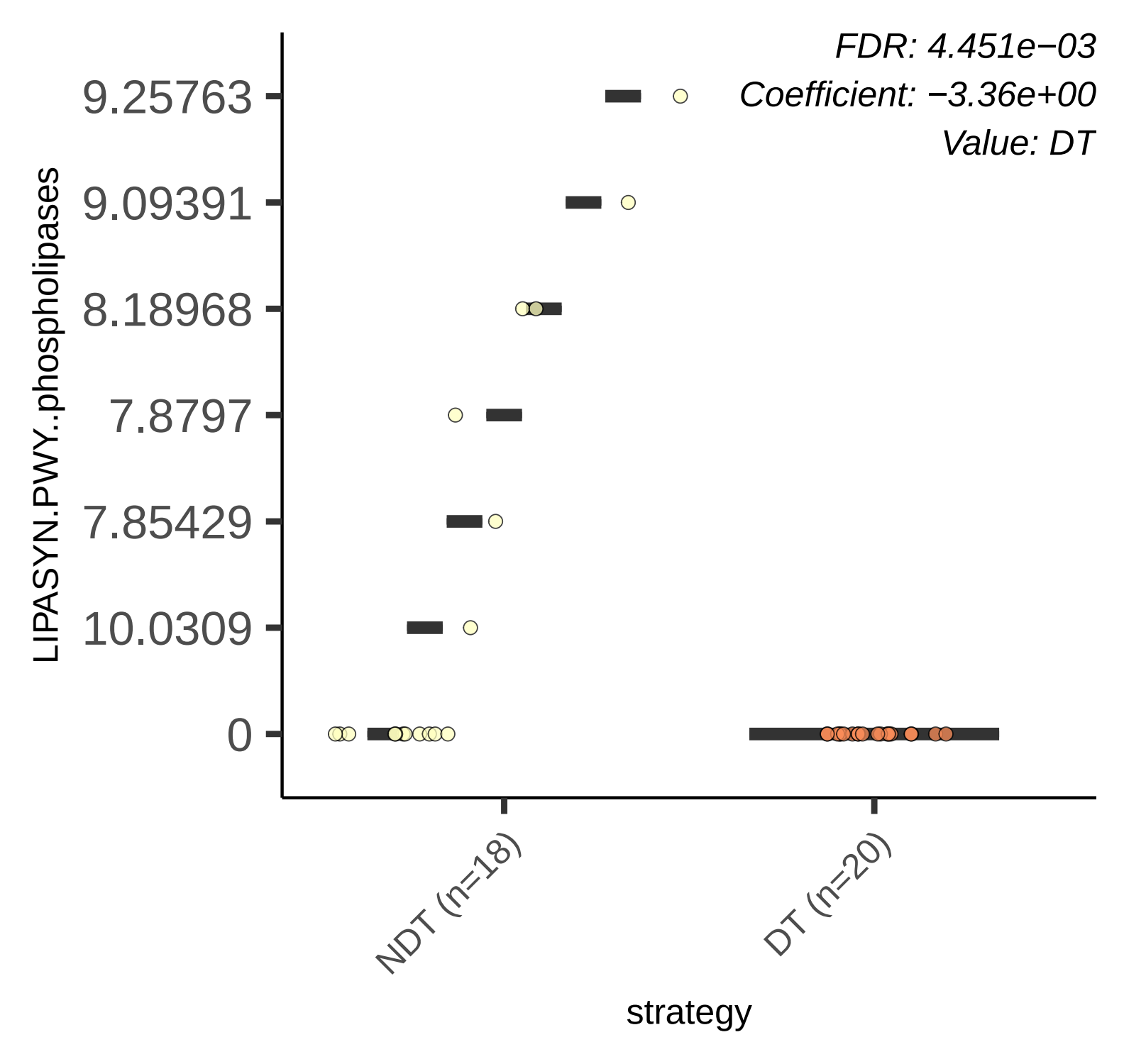

FDR: 3.309e−03
Coefficient: 2.54e+00
Value: DT
PWY3O.4107..NAD.salvage.pathway.V..PNC.V.cycle.
NDT (n=18)
DT (n=20)
strategy

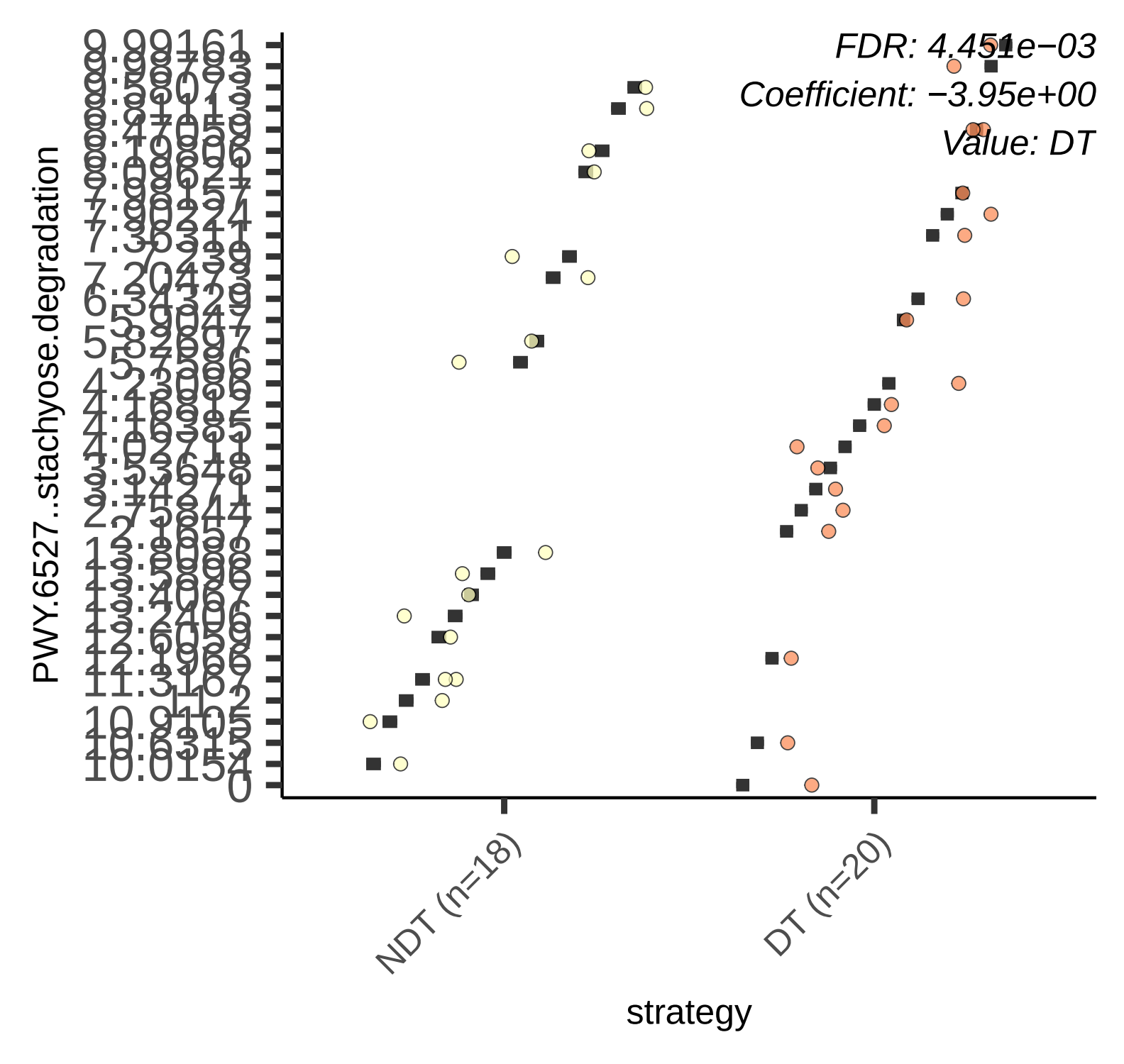

FDR: 3.470e−03
Coefficient: 1.97e+00
Value: DT
GLUDEG.I.PWY..GABA.shunt
NDT (n=18)
DT (n=20)
strategy

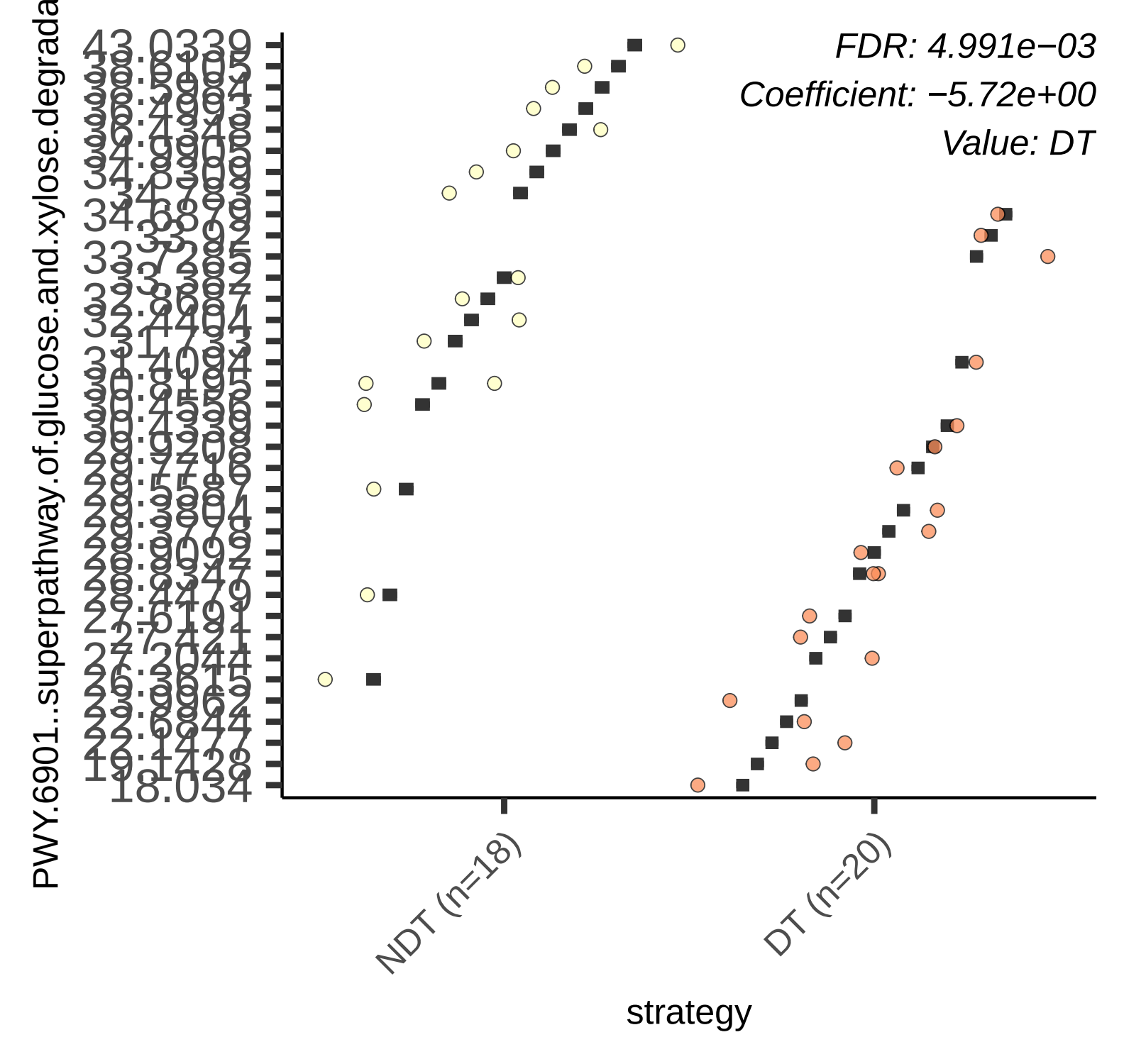
FDR: 3.626e−03
Coefficient: −8.44e+00
Value: DT
PWY.8187..L.arginine.degradation.XIII..reductive.Stickland.re
NDT (n=18)
DT (n=20)
strategy

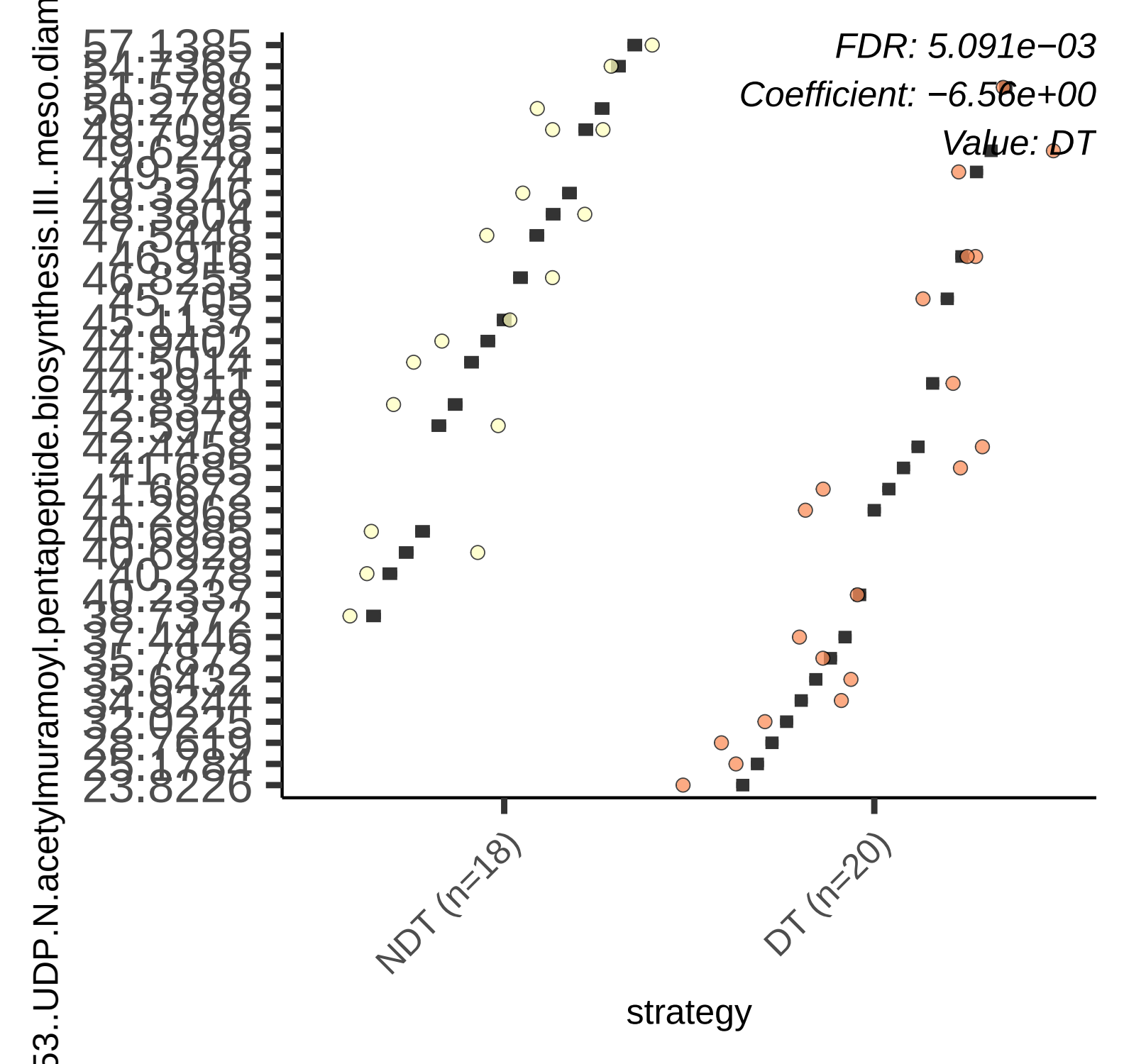

FDR: 3.859e−03
Coefficient: −6.11e+00
Value: DT
HISDEG.PWY..L.histidine.degradation.I
NDT (n=18)
DT (n=20)
strategy

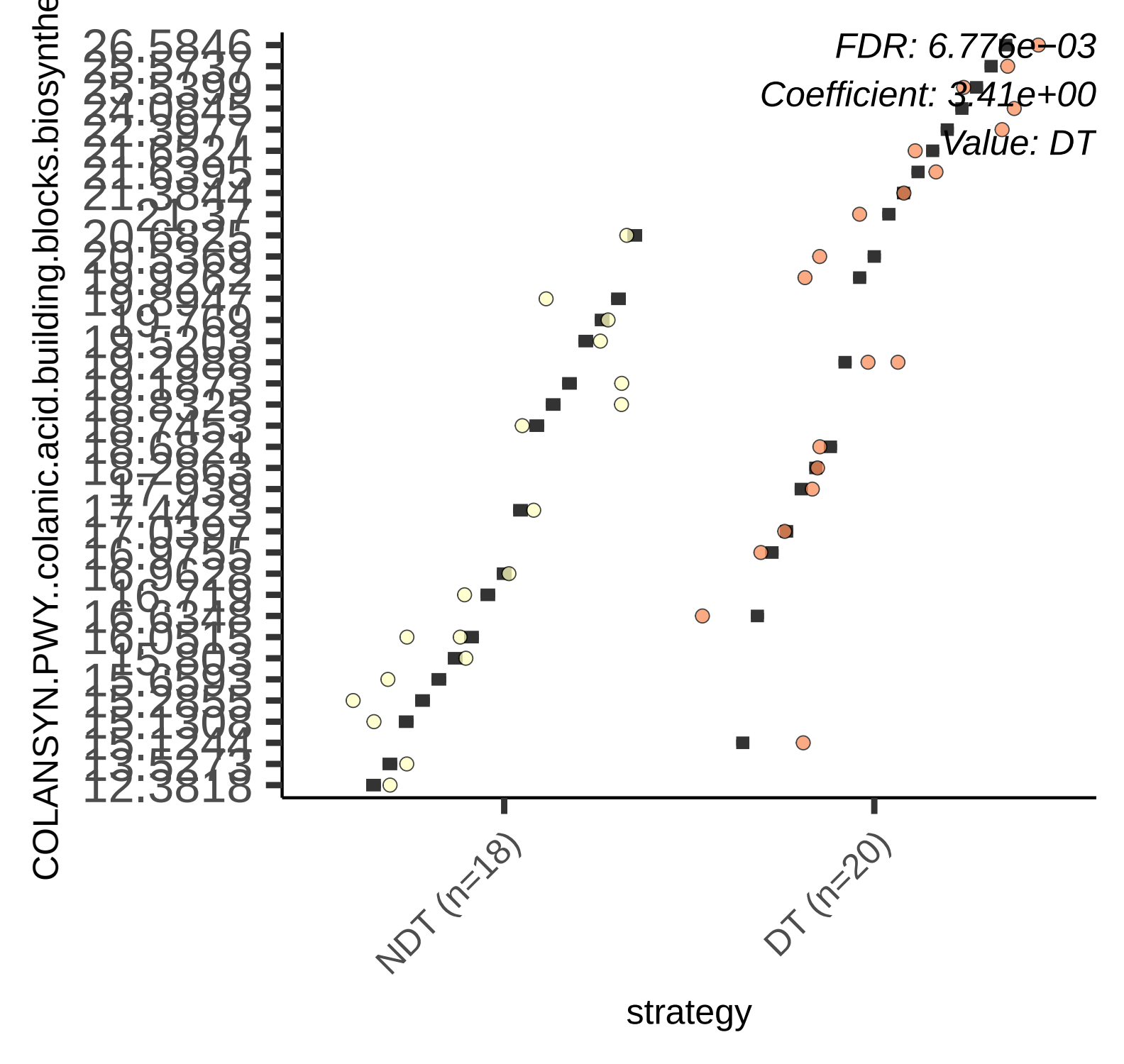

FDR: 4.426e−03
Coefficient: −1.51e+00
Value: DT
PWY.6588..pyruvate.fermentation.to.acetone
4.34338
4.05134
3.65561
3.50002
3.4975
3.43591
3.06499
2.96332
2.90221
2.64395
2.26514
2.15736
1.91964
1.60165
1.54211
1.45916
1.45766
1.31549
1.23962
1.19911
1.17765
1.15885
1.06857
0.97789
0.83507
0.73101
0.53648
0
NDT (n=18)
DT (n=20)
strategy

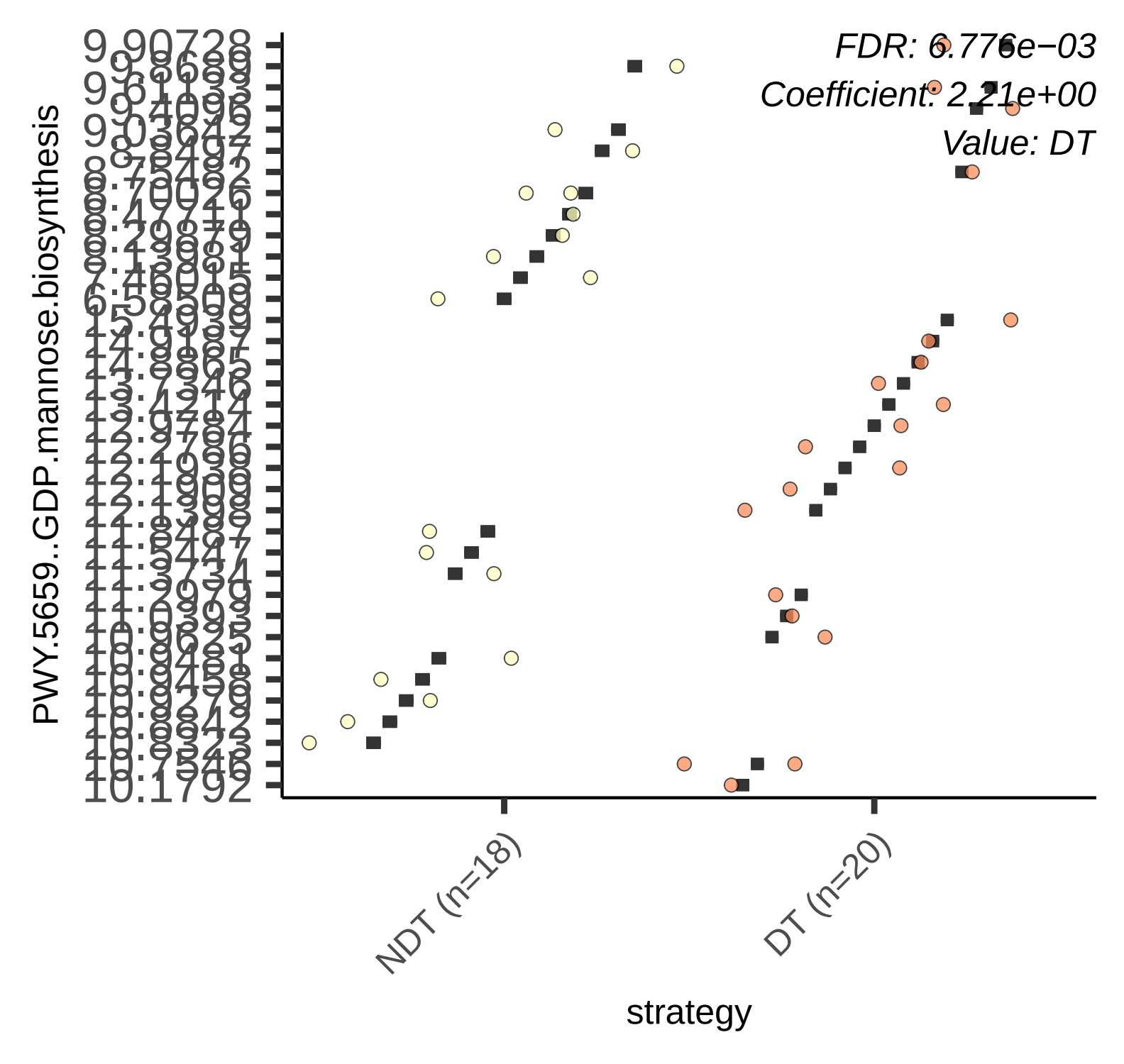

FDR: 4.451e−03
Coefficient: −3.36e+00
Value: DT
LIPASYN.PWY..phospholipases
9.25763
9.09391
8.18968
7.8797
7.85429
10.0309
0
NDT (n=18)
DT (n=20)
strategy

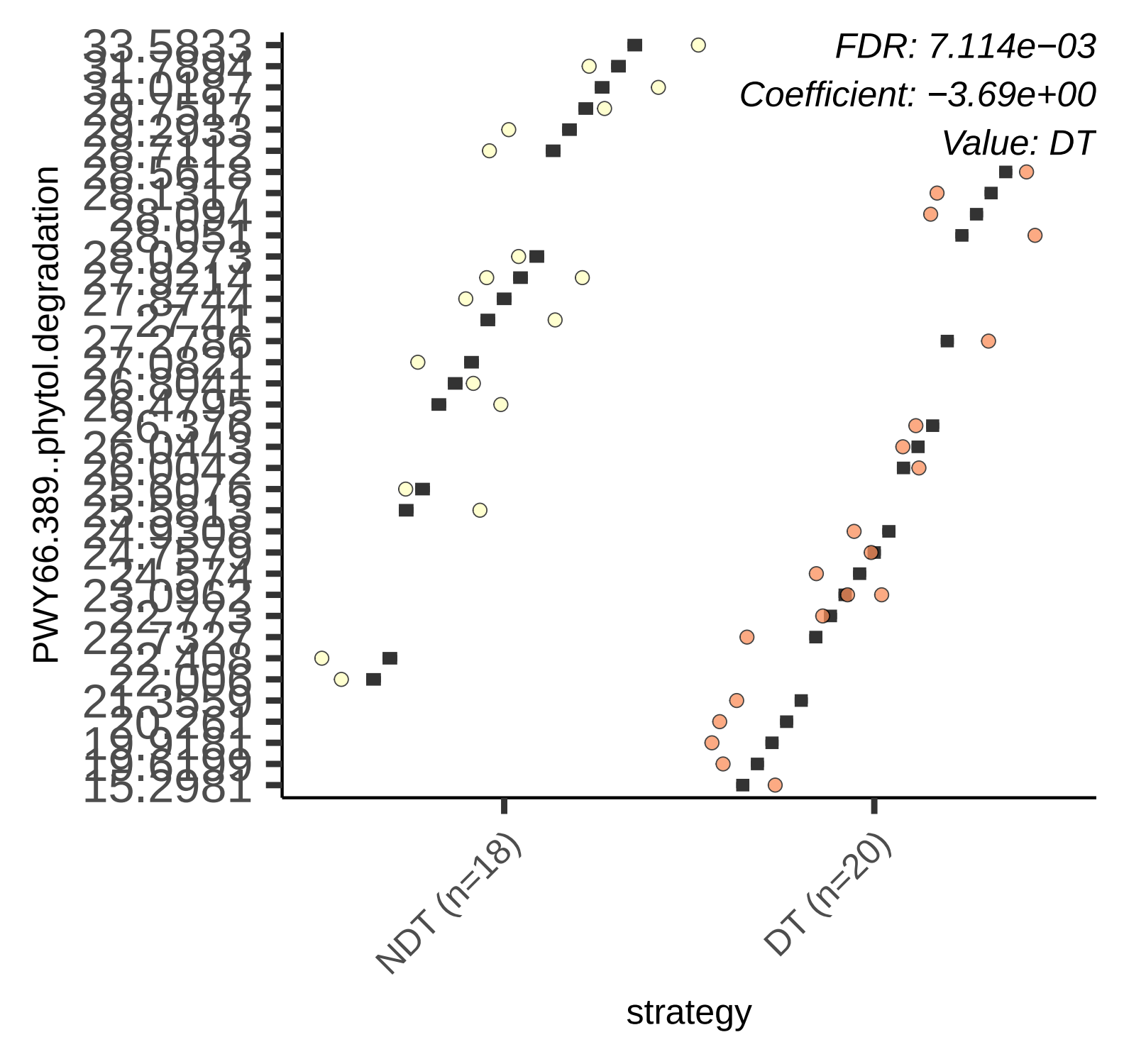

FDR: 4.451e−03
Coefficient: −3.95e+00
Value: DT
PWY.6527..stachyose.degradation
NDT (n=18)
DT (n=20)
strategy


FDR: 4.991e−03
Coefficient: −5.72e+00
Value: DT
PWY.6901..superpathway.of.glucose.and.xylose.degrada
NDT (n=18)
DT (n=20)
strategy

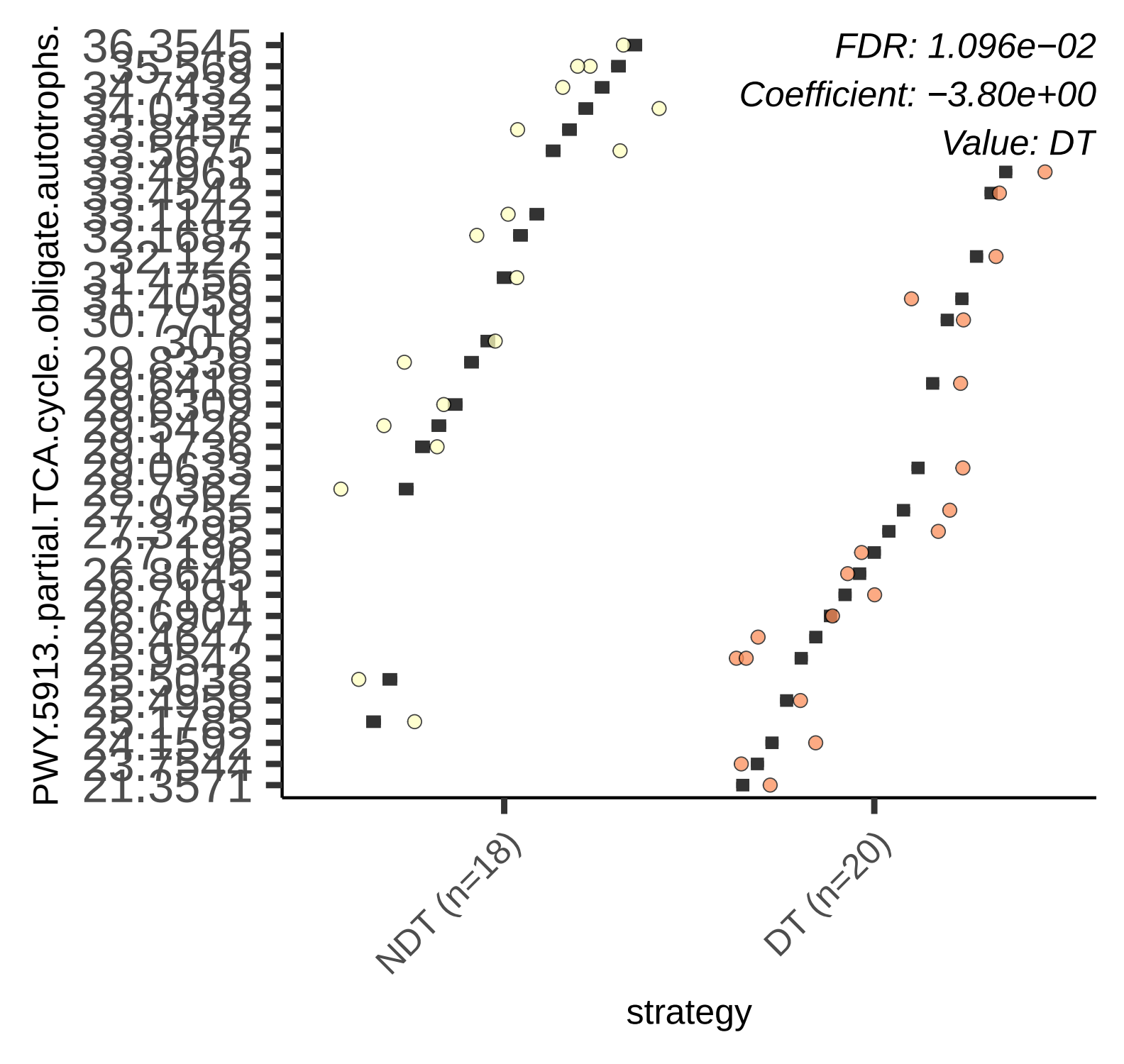

FDR: 5.091e−03
Coefficient: −6.56e+00
Value: DT
NDT (n=18)
DT (n=20)
strategy
53..UDP.N.acetylmuramoyl.pentapeptide.biosynthesis.III..meso.diam

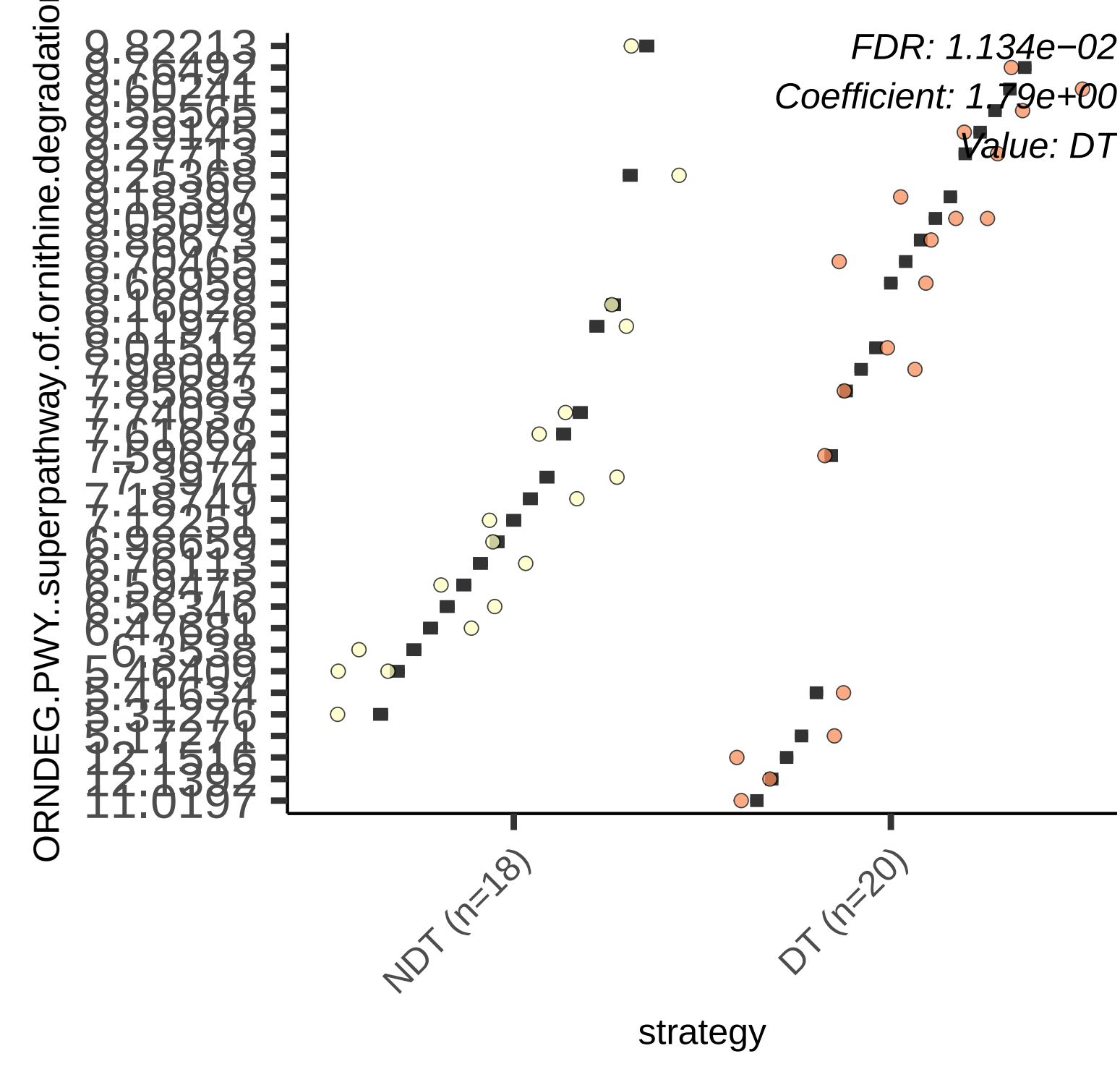

FDR: 6.776e-03
Coefficient: 3.41e+00
Value: DT
COLANSYN.PWY..colanic.acid.building.blocks.biosynthesis
NDT (n=18)
DT (n=20)
strategy

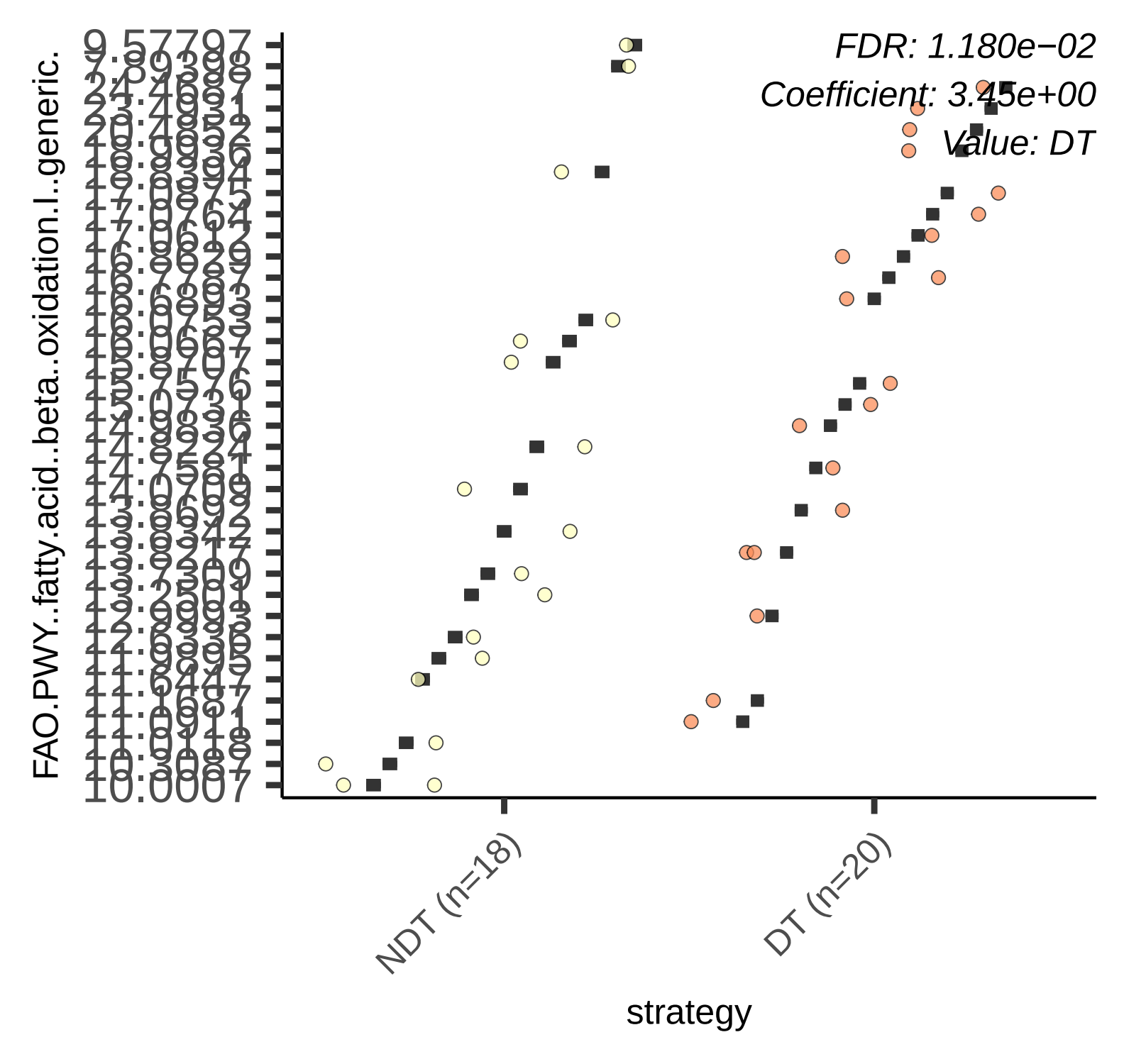

FDR: 6.776e−03
Coefficient: 2.21e+00
Value: DT
PWY.5659..GDP.mannose.biosynthesis
NDT (n=18)
DT (n=20)
strategy

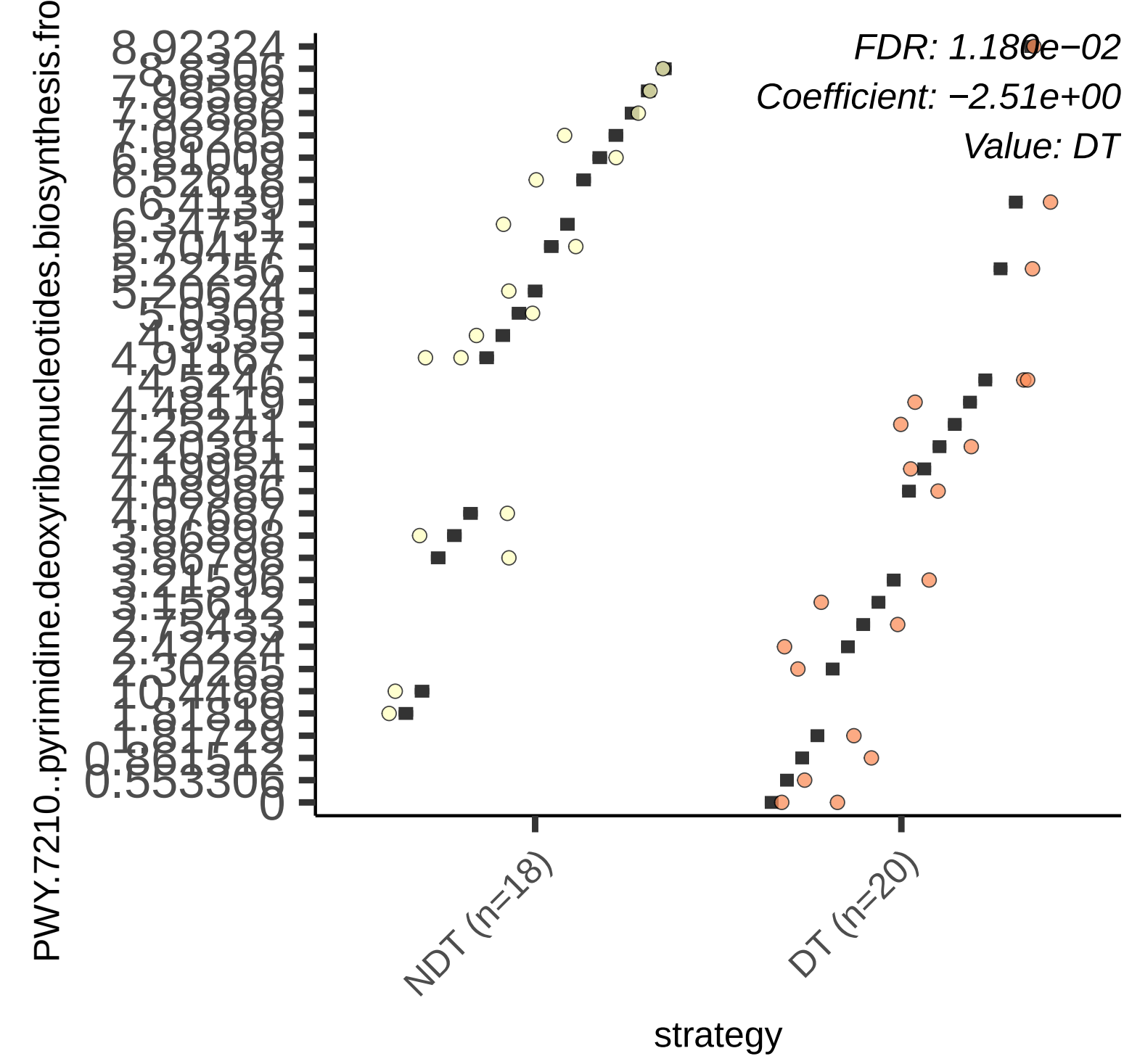

FDR: 7.114e−03
Coefficient: −3.69e+00
Value: DT
PWY66.389..phytol.degradation
NDT (n=18)
DT (n=20)
strategy

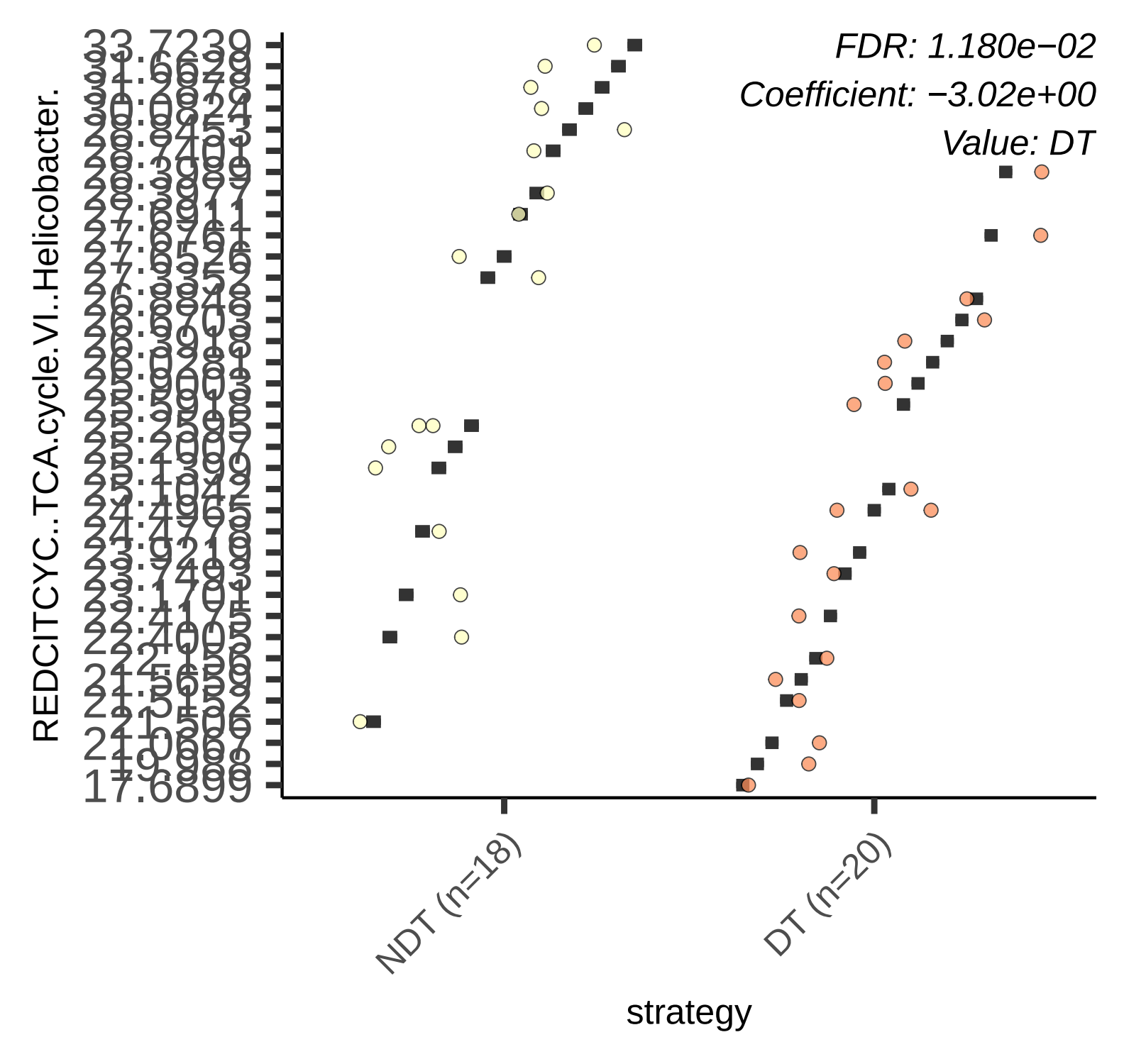
FDR: 8.291e−03
Coefficient: −4.36e+00
Value: DT
NDT (n=18)
DT (n=20)
strategy
SULFATE.CYS.PWY..superpathway.of.sulfate.assimilation.and.cystei

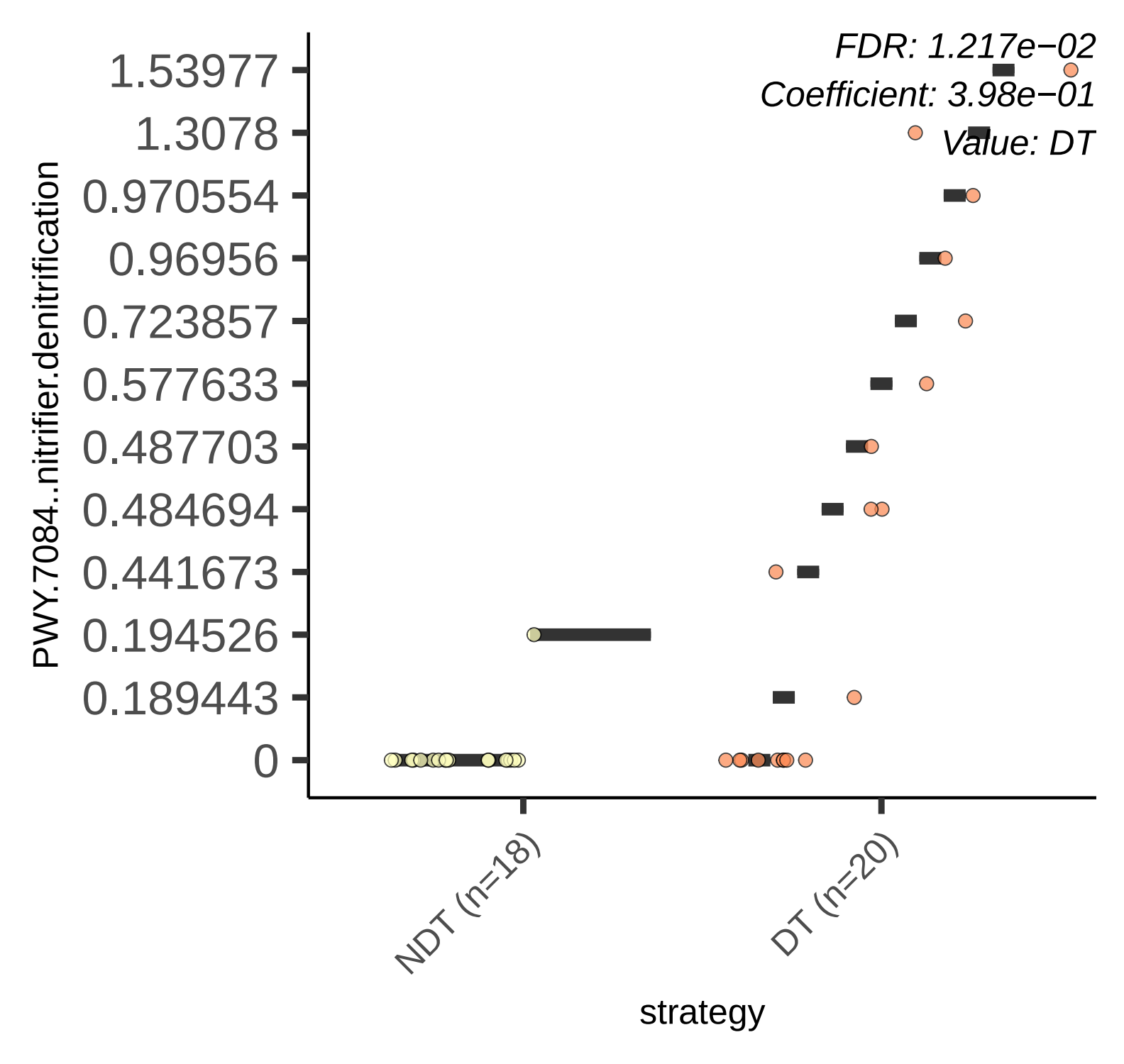

FDR: 1.096e−02
Coefficient: −3.80e+00
Value: DT
PWY.5913..partial.TCA.cycle..obligate.autotrophs.
NDT (n=18)
DT (n=20)
strategy

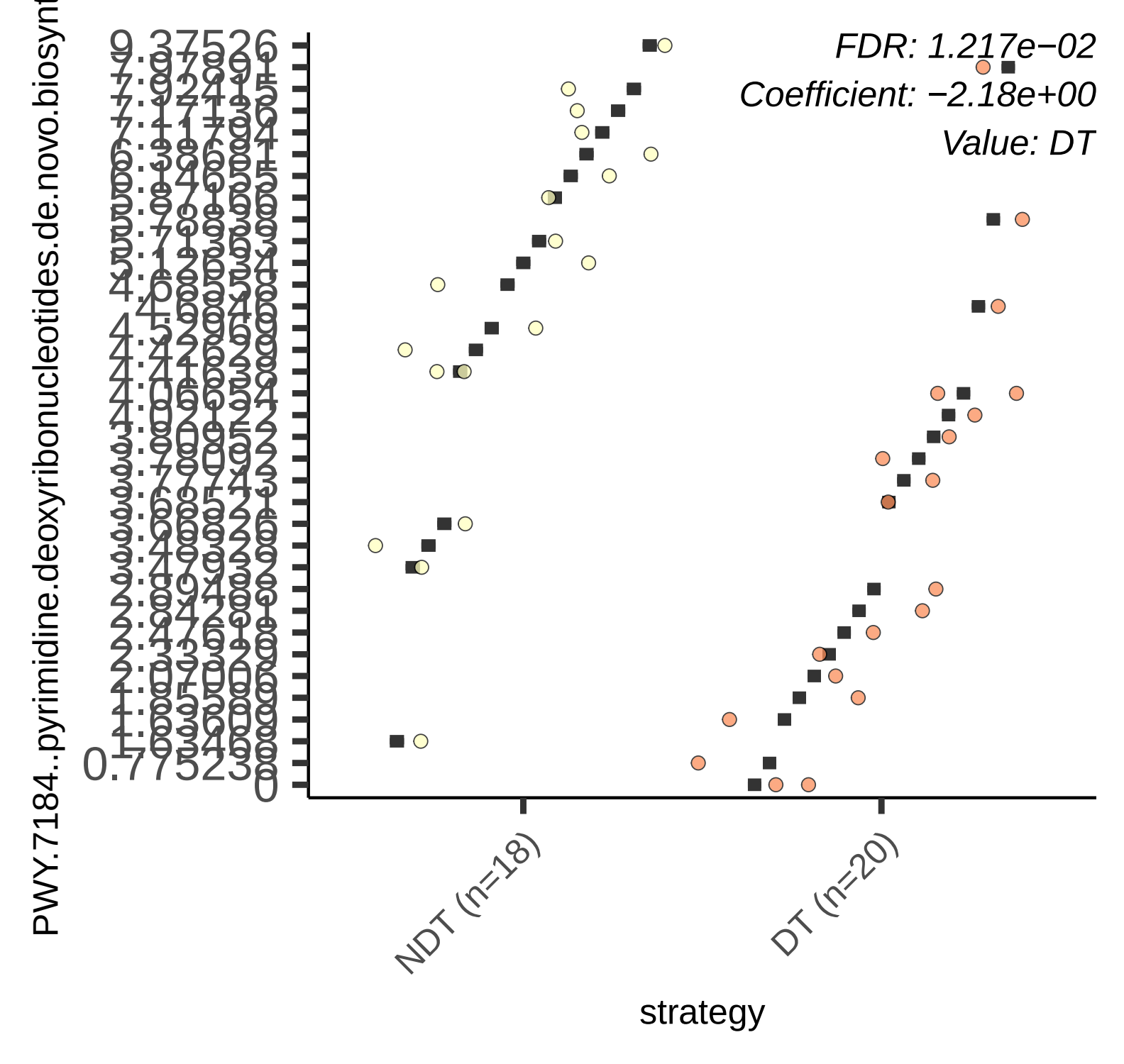

FDR: 1.134e−02
Coefficient: 1.79e+00
Value: DT
ORNDEG.PWY..superpathway.of.ornithine.degradation
NDT (n=18)
DT (n=20)
strategy

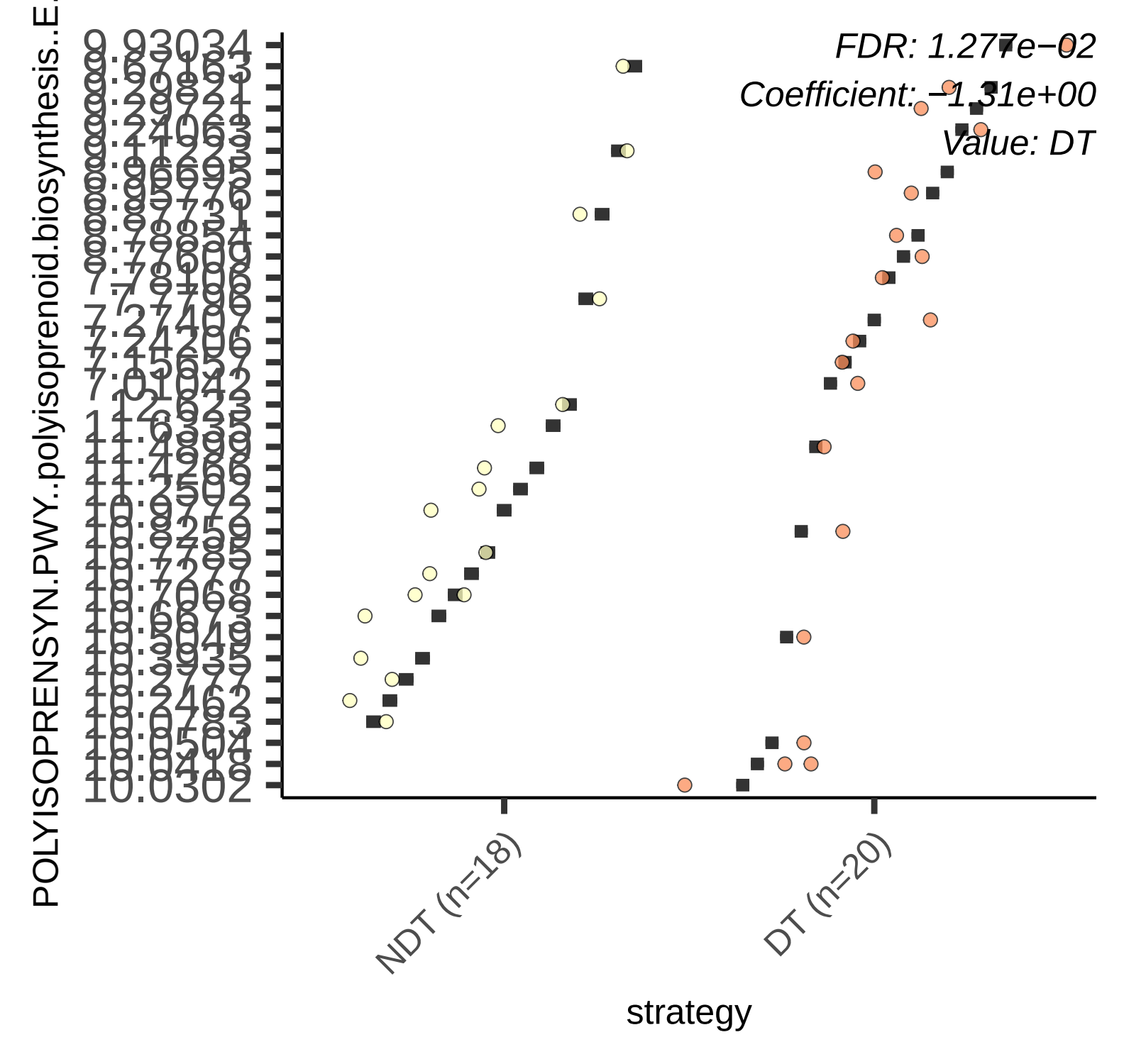

FDR: 1.180e−02
Coefficient: 3.45e+00
Value: DT
FAO.PWY..fatty.acid..beta..oxidation.I..generic.
NDT (n=18)
DT (n=20)
strategy

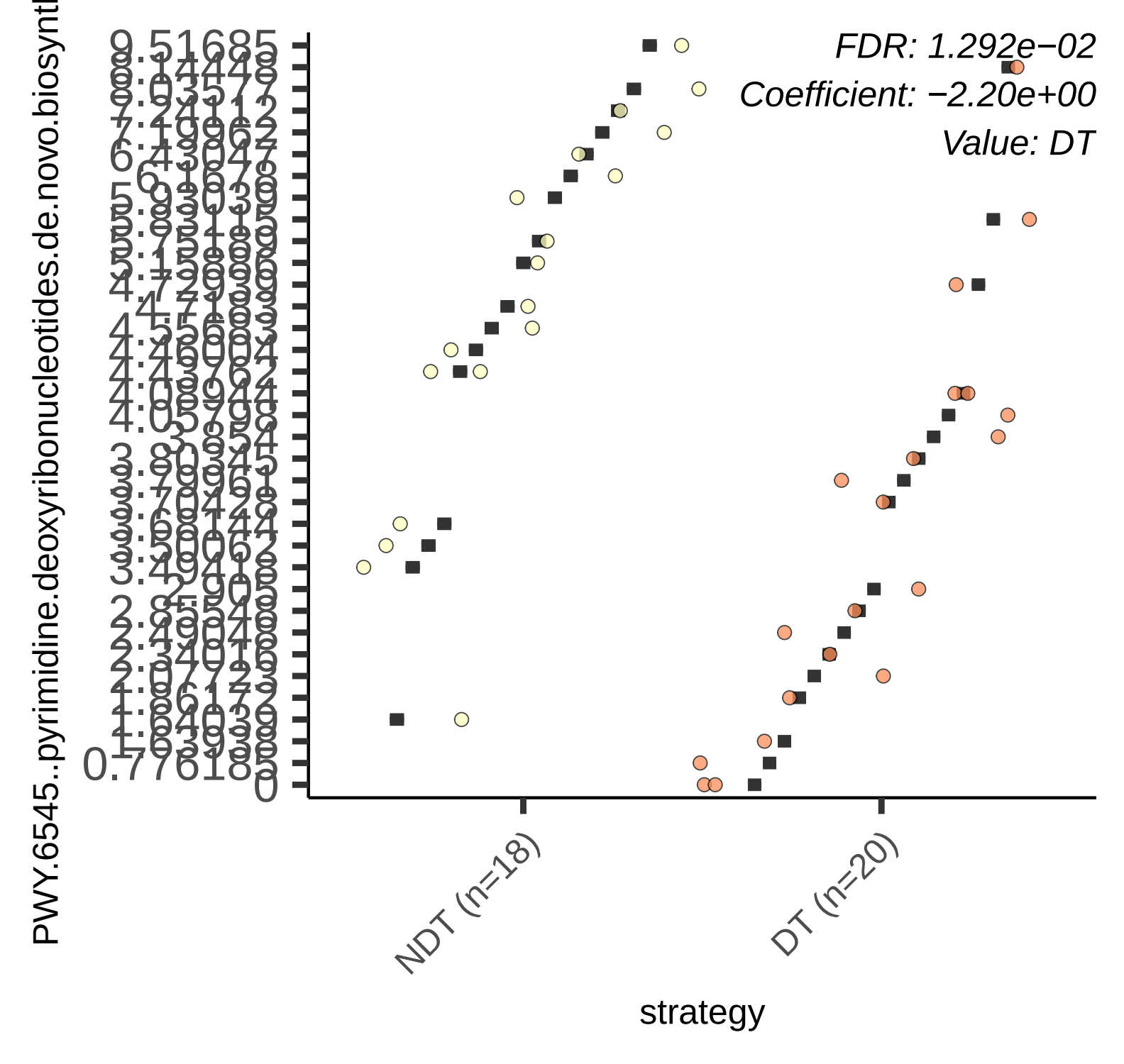

FDR: 1.180e−02
Coefficient: −2.51e+00
Value: DT
PWY.7210..pyrimidine.deoxyribonucleotides.biosynthesis.fro
NDT (n=18)
DT (n=20)
strategy

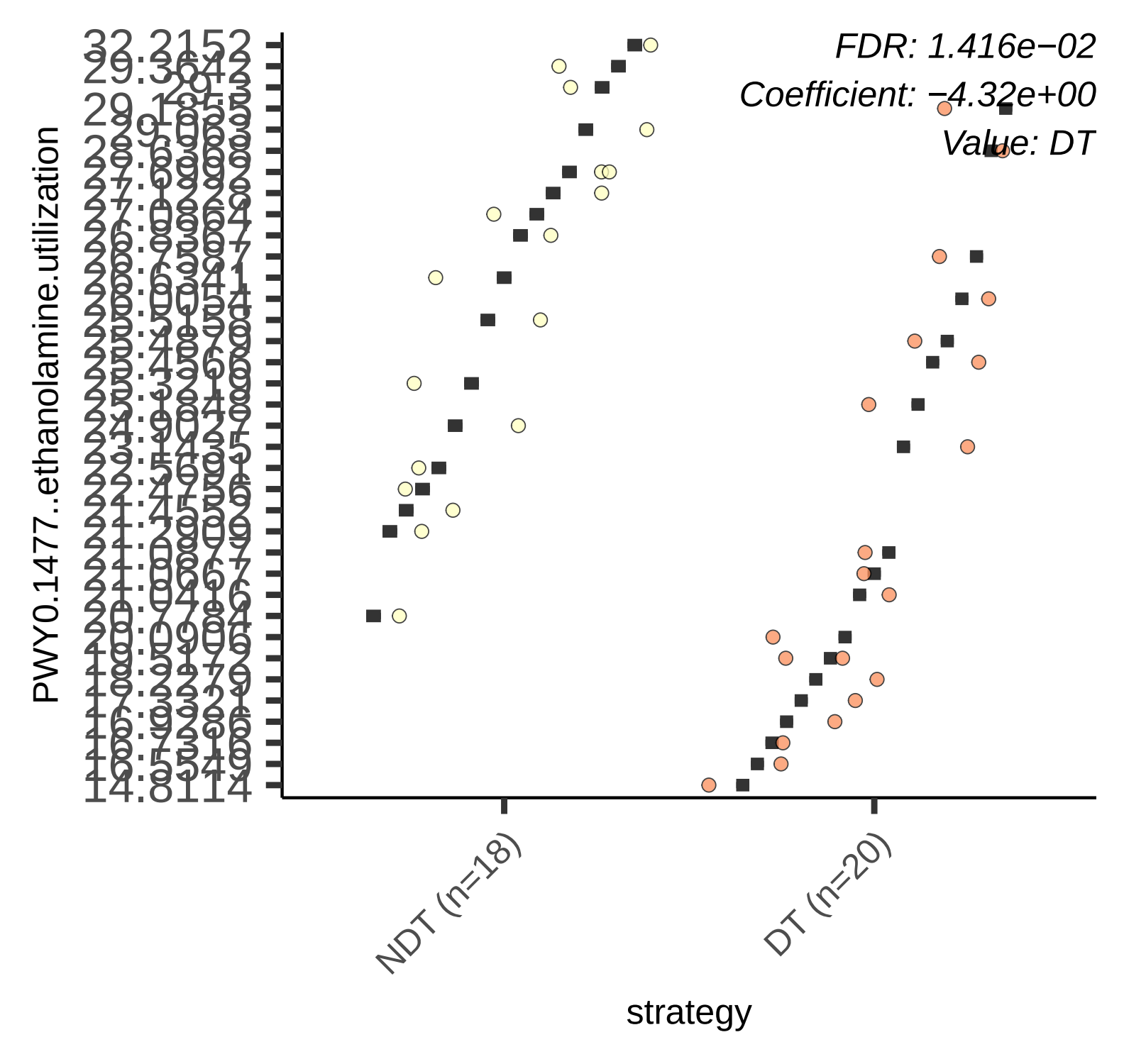

FDR: 1.180e−02
Coefficient: −3.02e+00
Value: DT
REDCITCYC..TCA.cycle.VI..Helicobacter.
NDT (n=18)
DT (n=20)
strategy

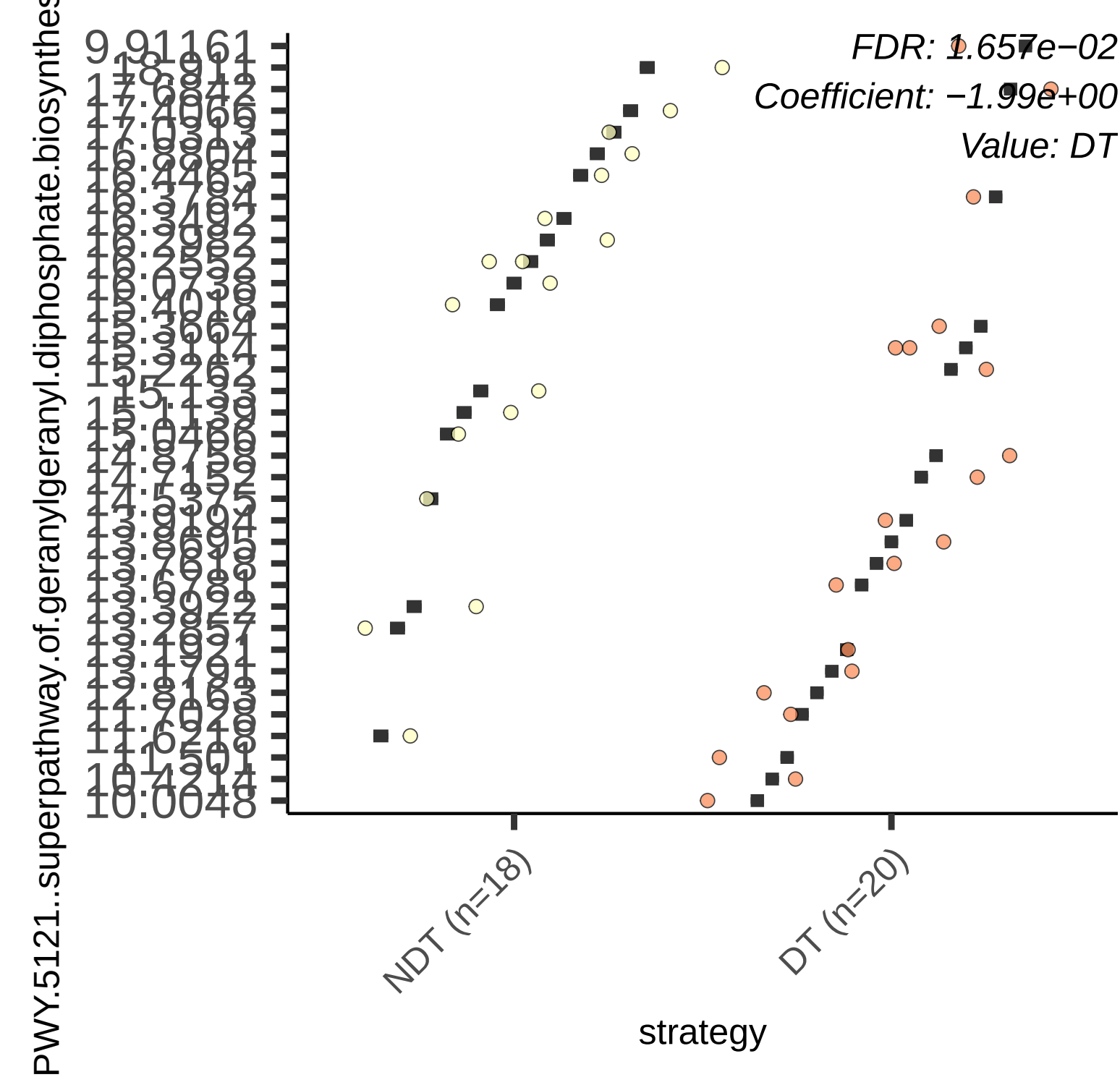

FDR: 1.217e−02
Coefficient: 3.98e−01
Value: DT
PWY.7084..nitrifier.denitrification
1.53977
1.3078
0.970554
0.96956
0.723857
0.577633
0.487703
0.484694
0.441673
0.194526
0.189443
0
NDT (n=18)
DT (n=20)
strategy

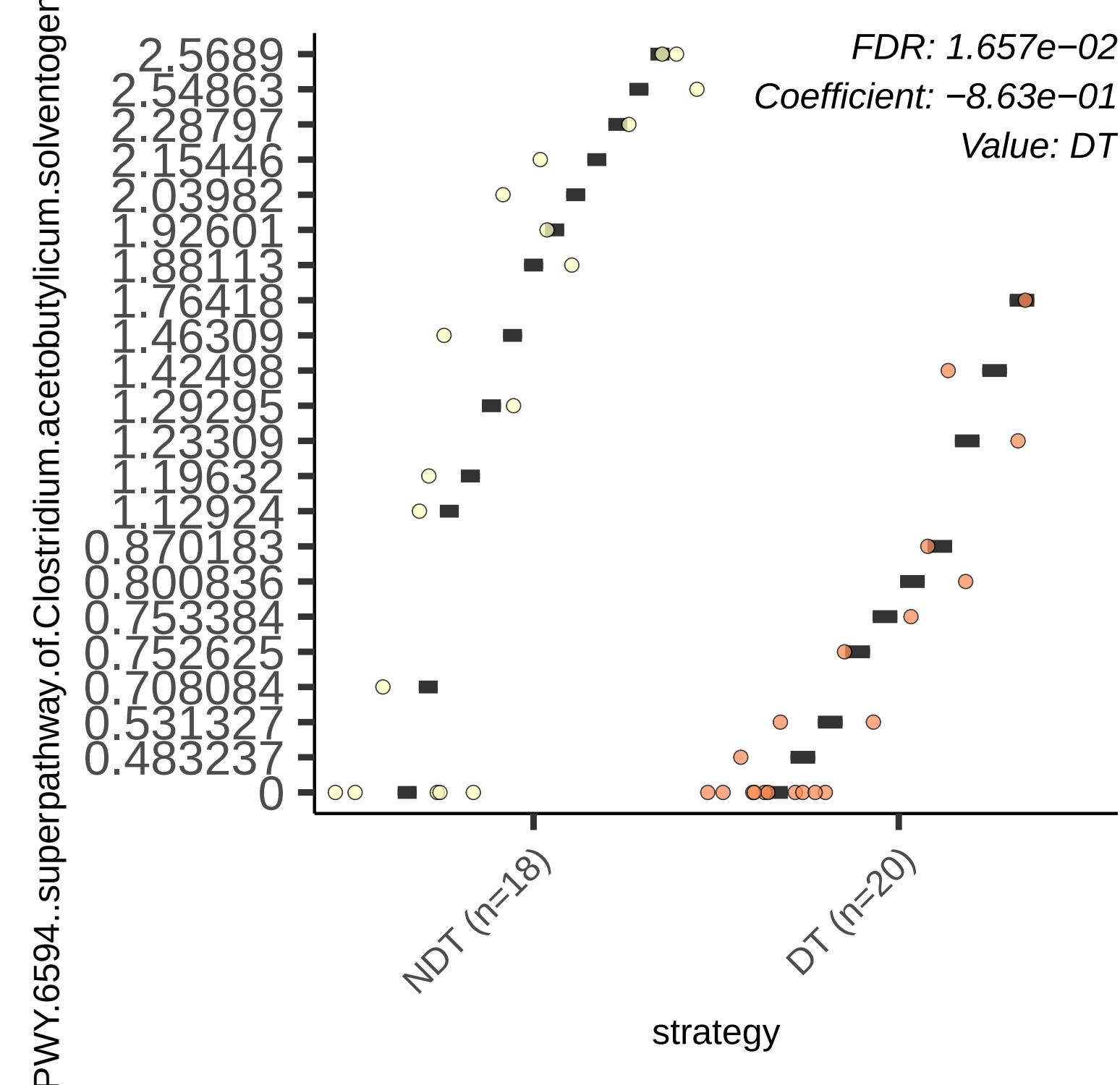

PWY.7184..pyrimidine.deoxyribonucleotides.de.novo.biosynt
FDR: 1.217e−02
Coefficient: −2.18e+00
Value: DT
NDT (n=18)
DT (n=20)
strategy

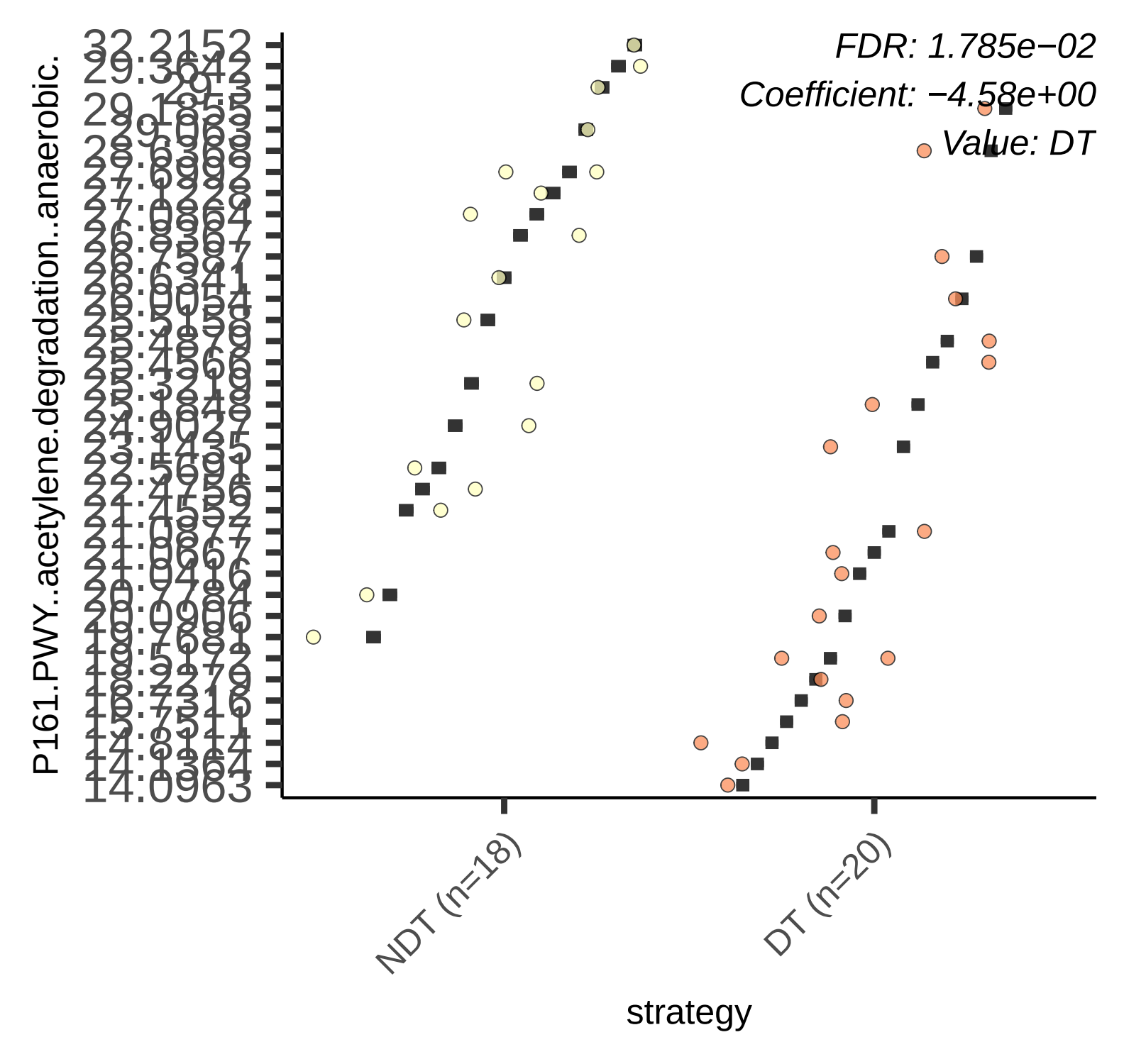

FDR: 1.277e−02
Coefficient: −1.31e+00
Value: DT
POLYISOPRENSYN.PWY..polyisoprenoid.biosynthesis..E.
NDT (n=18)
DT (n=20)
strategy

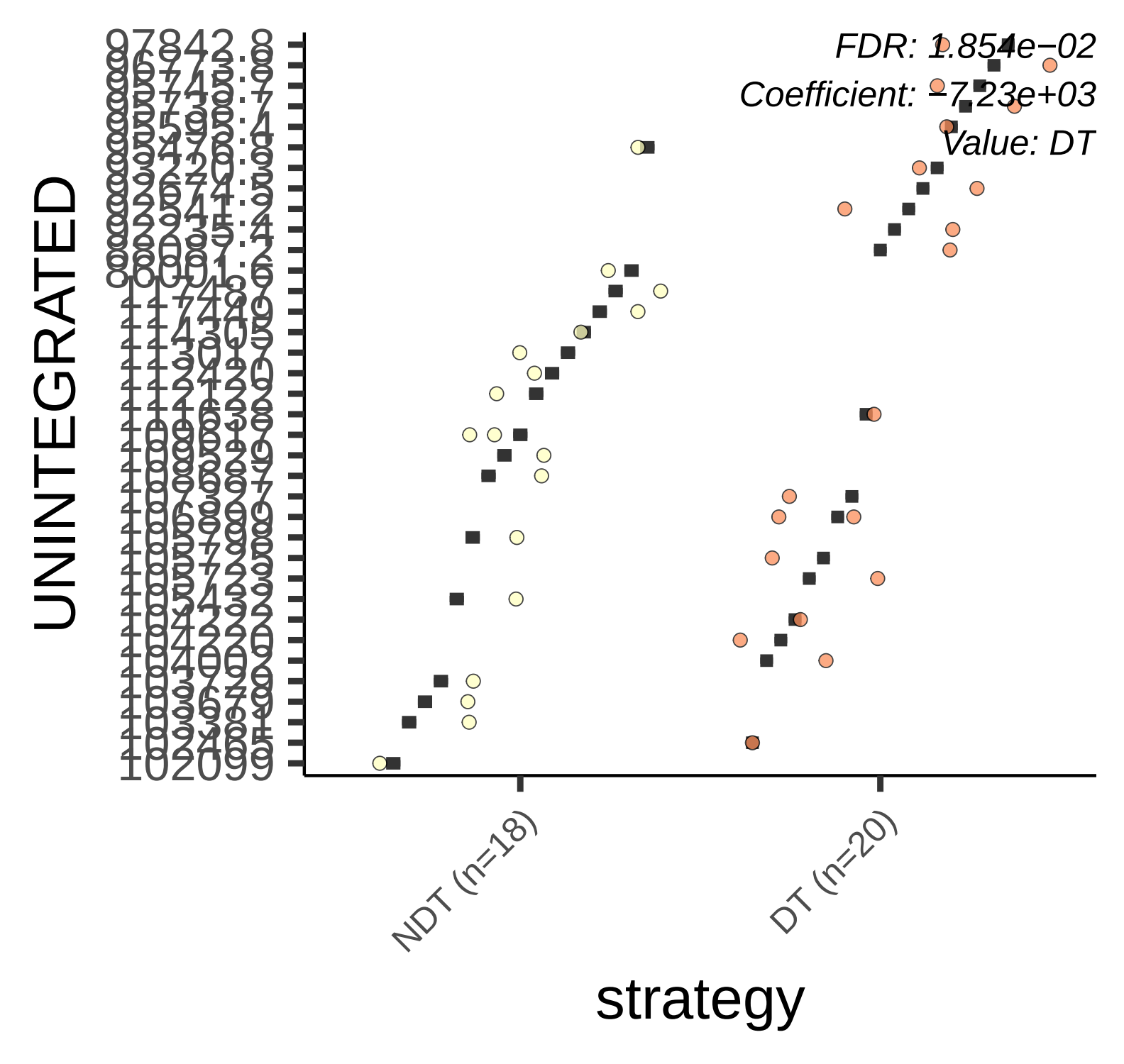

FDR: 1.292e−02
Coefficient: −2.20e+00
Value: DT
PWY.6545..pyrimidine.deoxyribonucleotides.de.novo.biosynth
NDT (n=18)
DT (n=20)
strategy

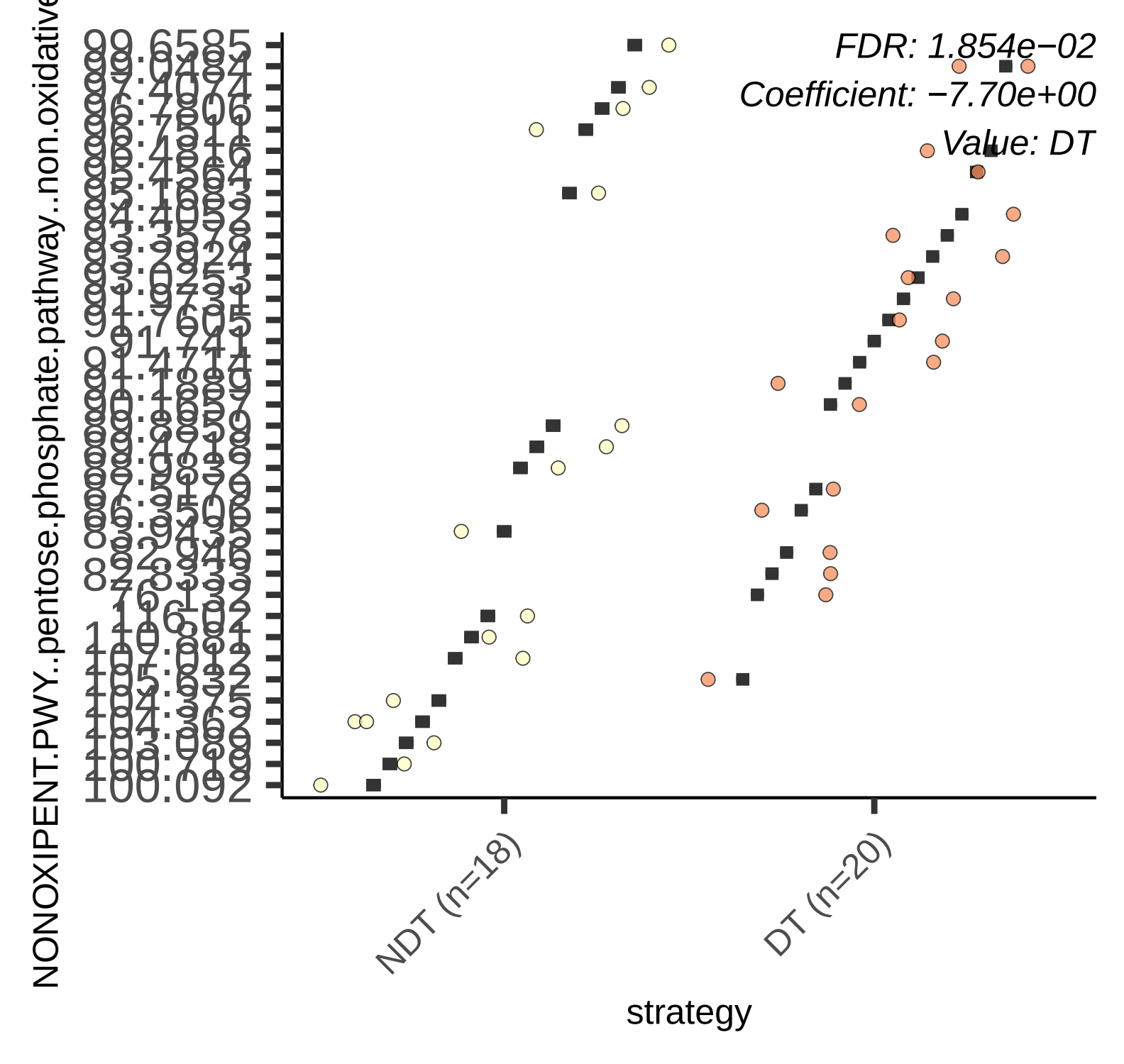

FDR: 1.416e−02
Coefficient: −4.32e+00
Value: DT
PWY0.1477..ethanolamine.utilization
NDT (n=18)
DT (n=20)
strategy

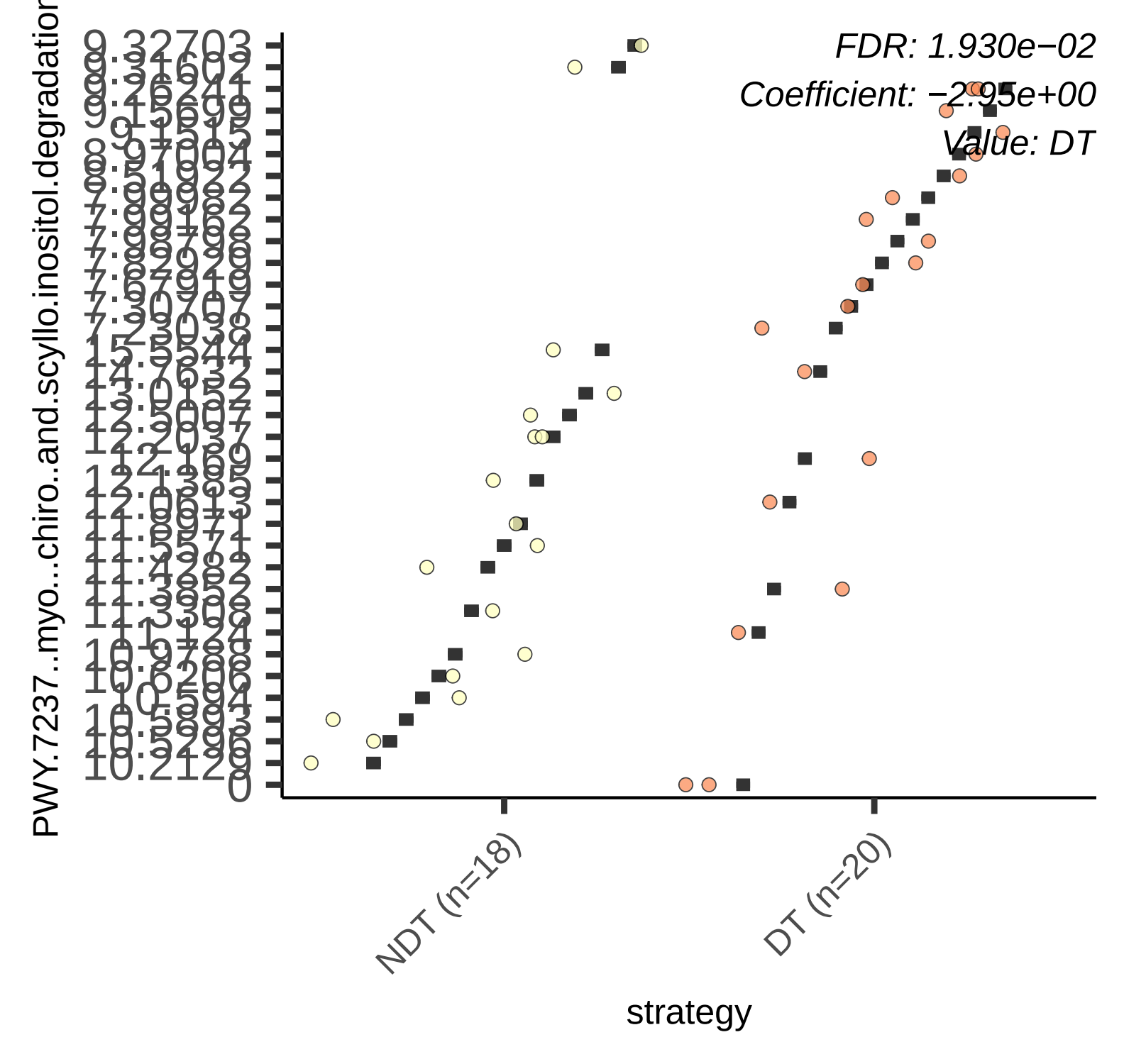

FDR: 1.657e−02
Coefficient: −1.99e+00
Value: DT
PWY.5121..superpathway.of.geranylgeranyl.diphosphate.biosynthes
NDT (n=18)
DT (n=20)
strategy

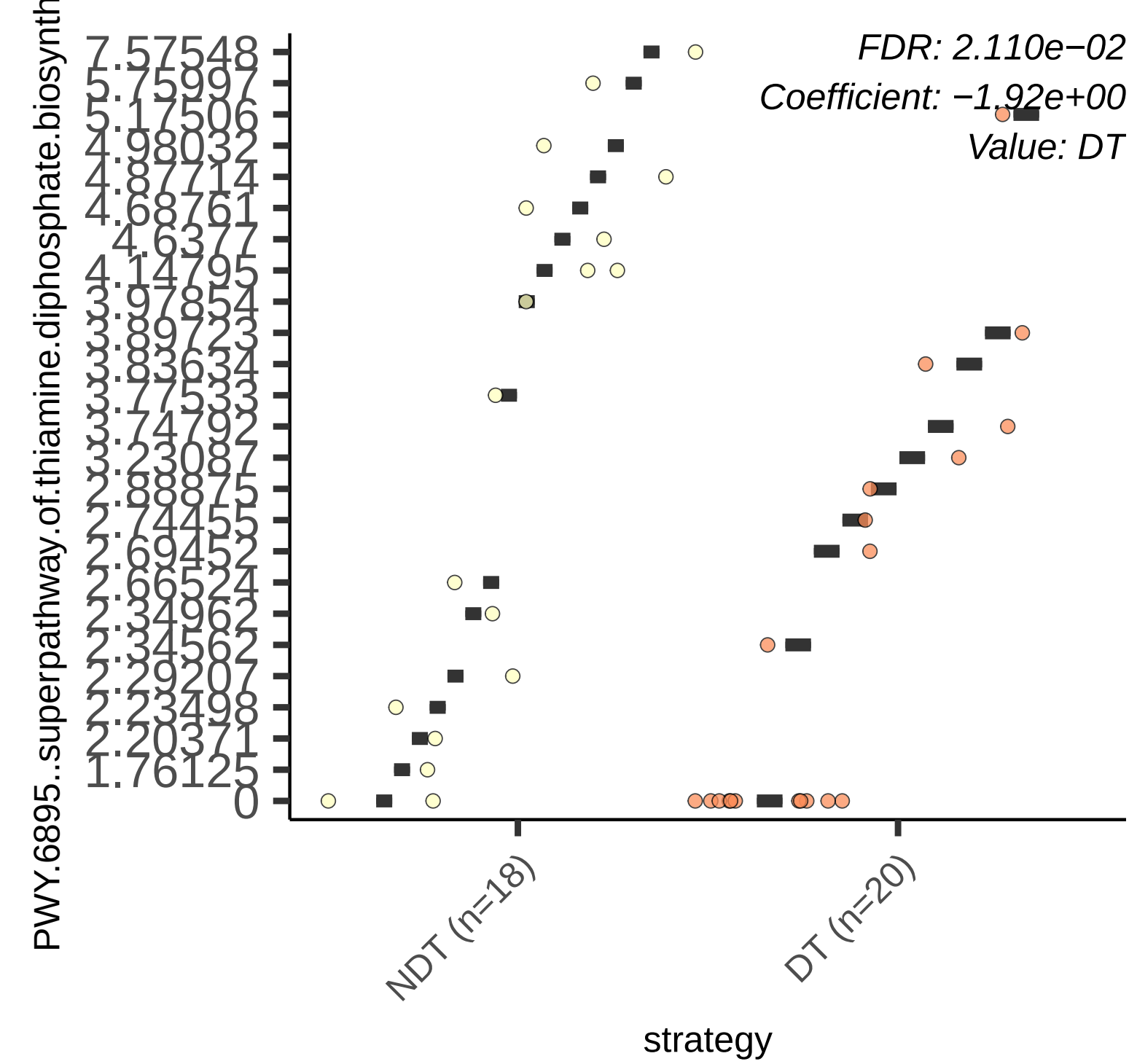

FDR: 1.657e−02
Coefficient: −8.63e−01
Value: DT
2.5689
2.54863
2.28797
2.15446
2.03982
1.92601
1.88113
1.76418
1.46309
1.42498
1.29295
1.23309
1.19632
1.12924
0.870183
0.800836
0.753384
0.752625
0.708084
0.531327
0.483237
0
NDT (n=18)
DT (n=20)
strategy
PWY.6594..superpathway.of.Clostridium.acetobutylicum.solventoger

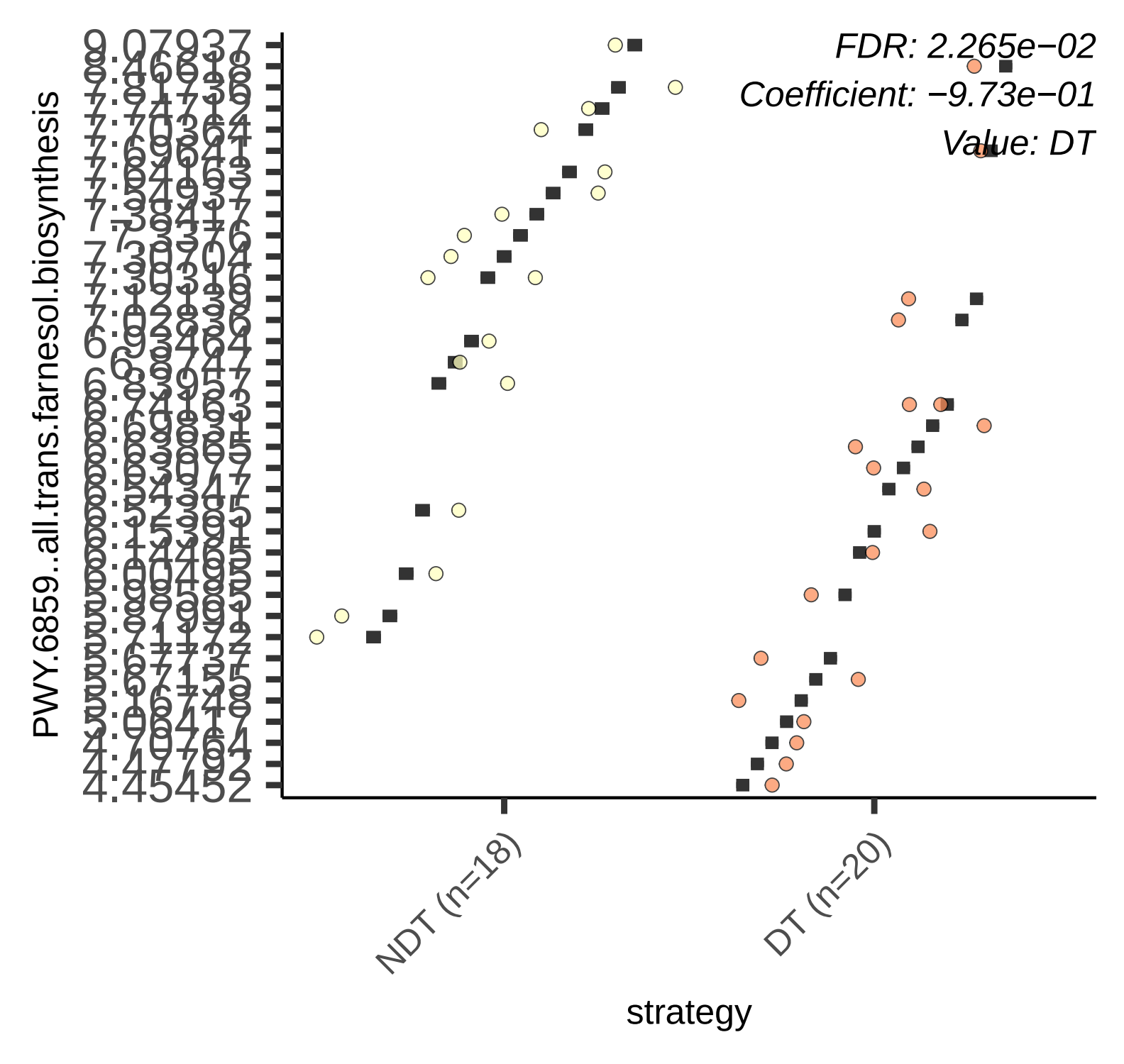

FDR: 1.785e−02
Coefficient: −4.58e+00
Value: DT
P161.PWY..acetylene.degradation..anaerobic.
NDT (n=18)
DT (n=20)
strategy

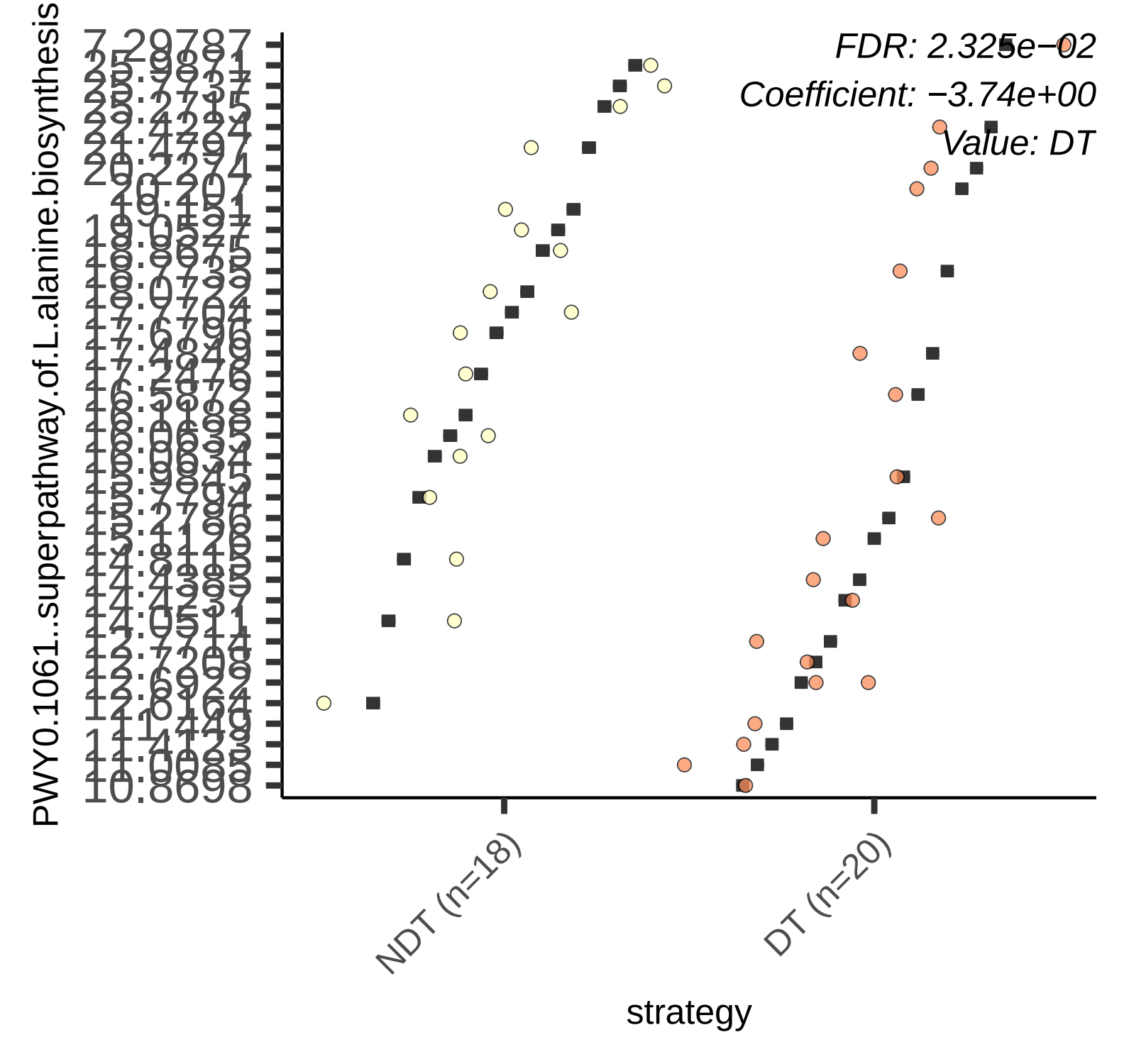

FDR: 1.854e−02
Coefficient: −7.23e+03
Value: DT
UNINTEGRATED
NDT (n=18)
DT (n=20)
strategy

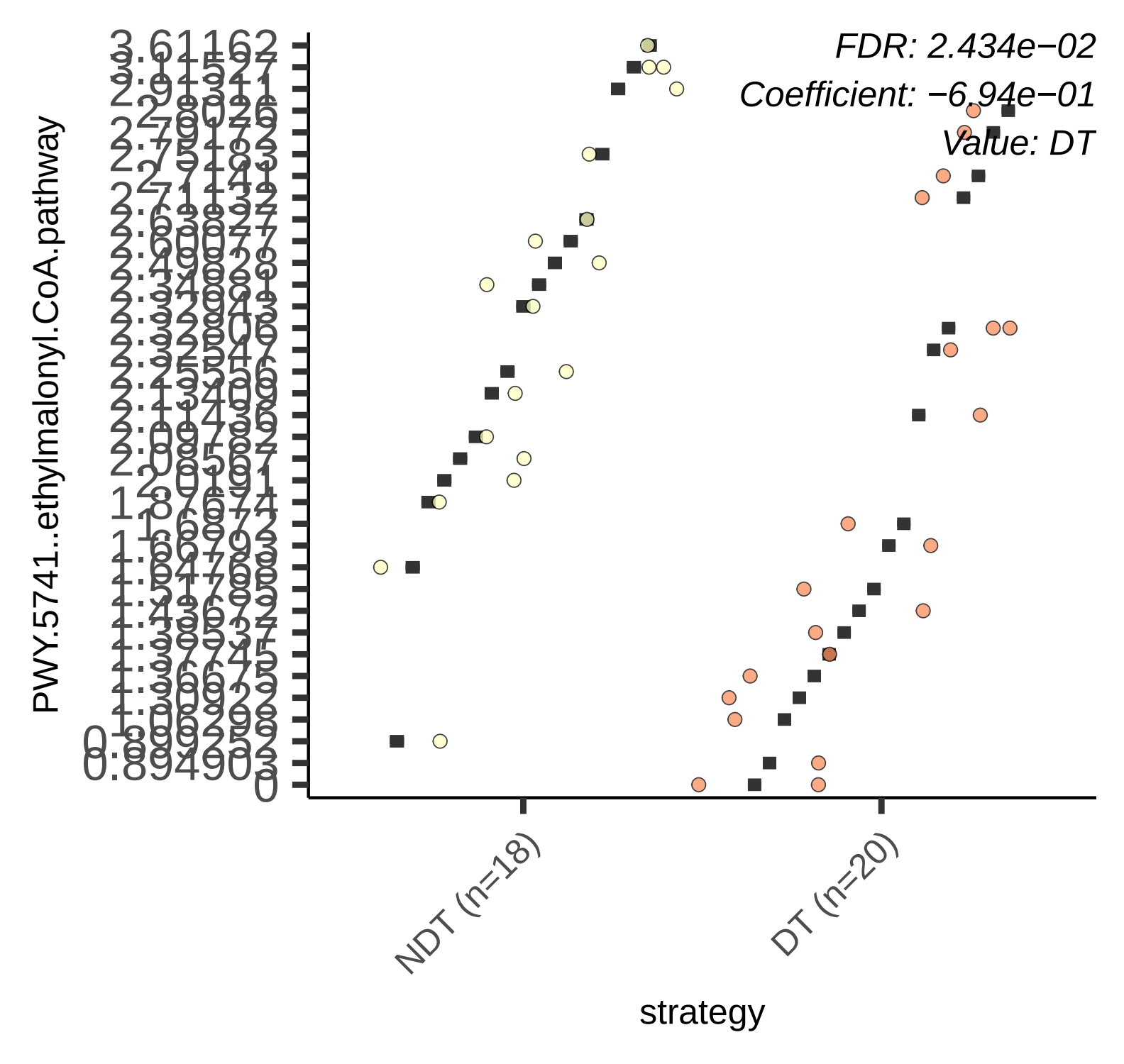

FDR: 1.854e−02
Coefficient: −7.70e+00
Value: DT
NONOXIPENT.PWY..pentose.phosphate.pathway..non.oxidative.
NDT (n=18)
DT (n=20)
strategy

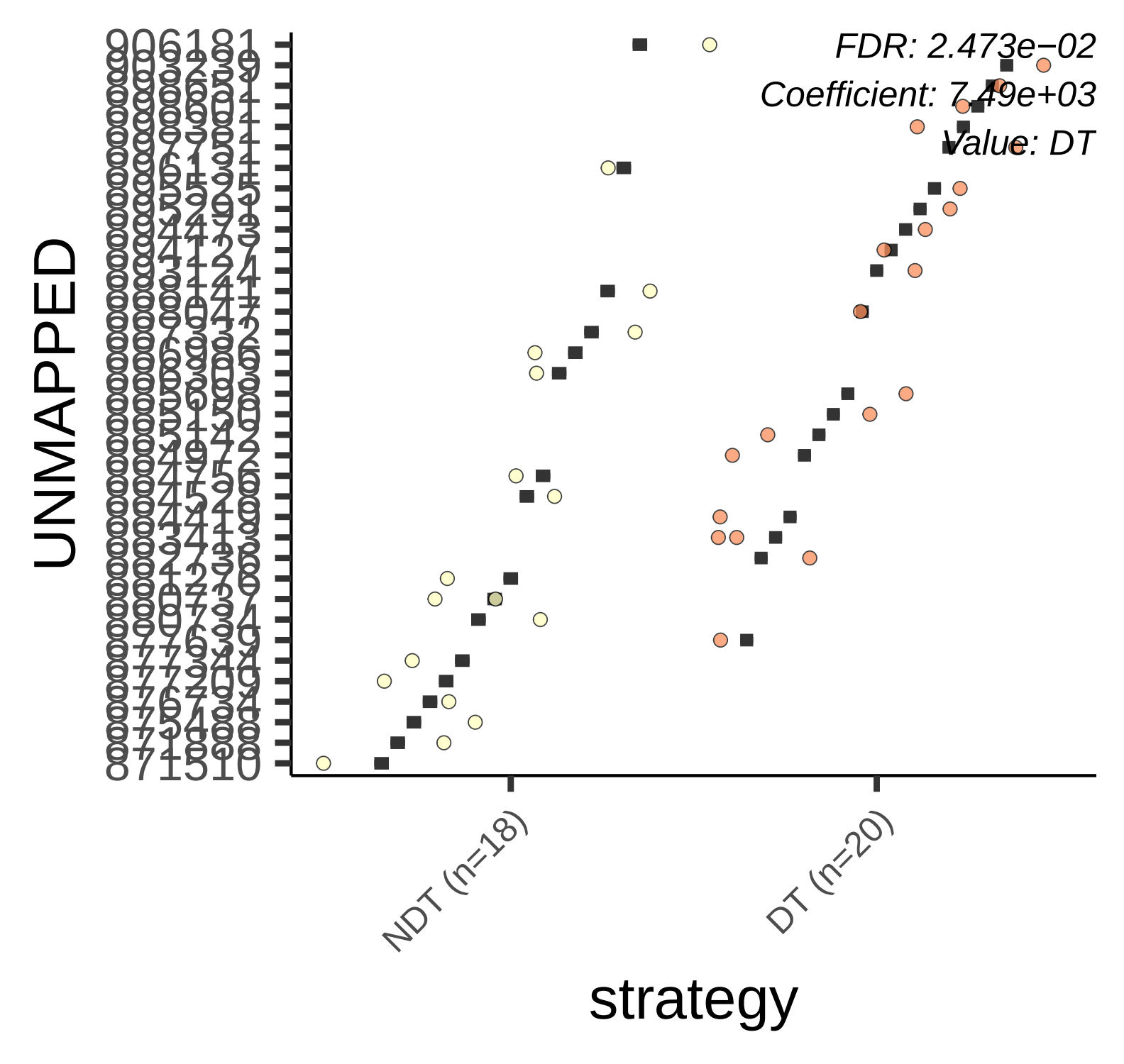

FDR: 1.930e−02
Coefficient: −2.95e+00
Value: DT
PWY.7237..myo...chiro..and.scyllo.inositol.degradation
NDT (n=18)
DT (n=20)
strategy

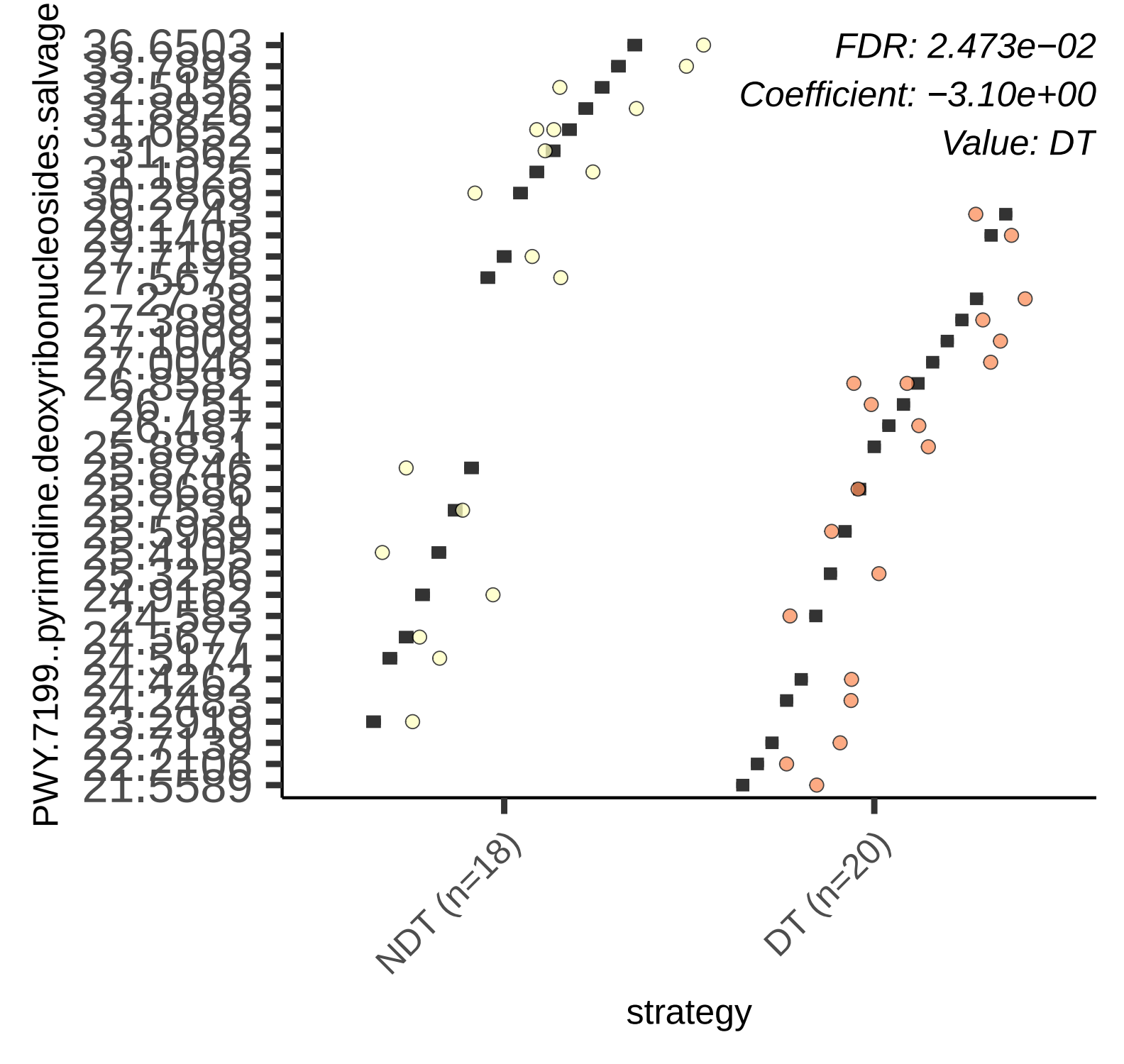

FDR: 2.110e−02
Coefficient: −1.92e+00
Value: DT
PWY.6895..superpathway.of.thiamine.diphosphate.biosynth
7.57548
5.75997
5.17506
4.98032
4.87714
4.68761
4.6377
4.14795
3.97854
3.97233
3.86334
3.77533
3.74792
3.23087
3.08875
2.74455
2.69452
2.66524
2.34962
2.34562
2.29207
2.23498
2.20371
1.76125
0
NDT (n=18)
DT (n=20)
strategy

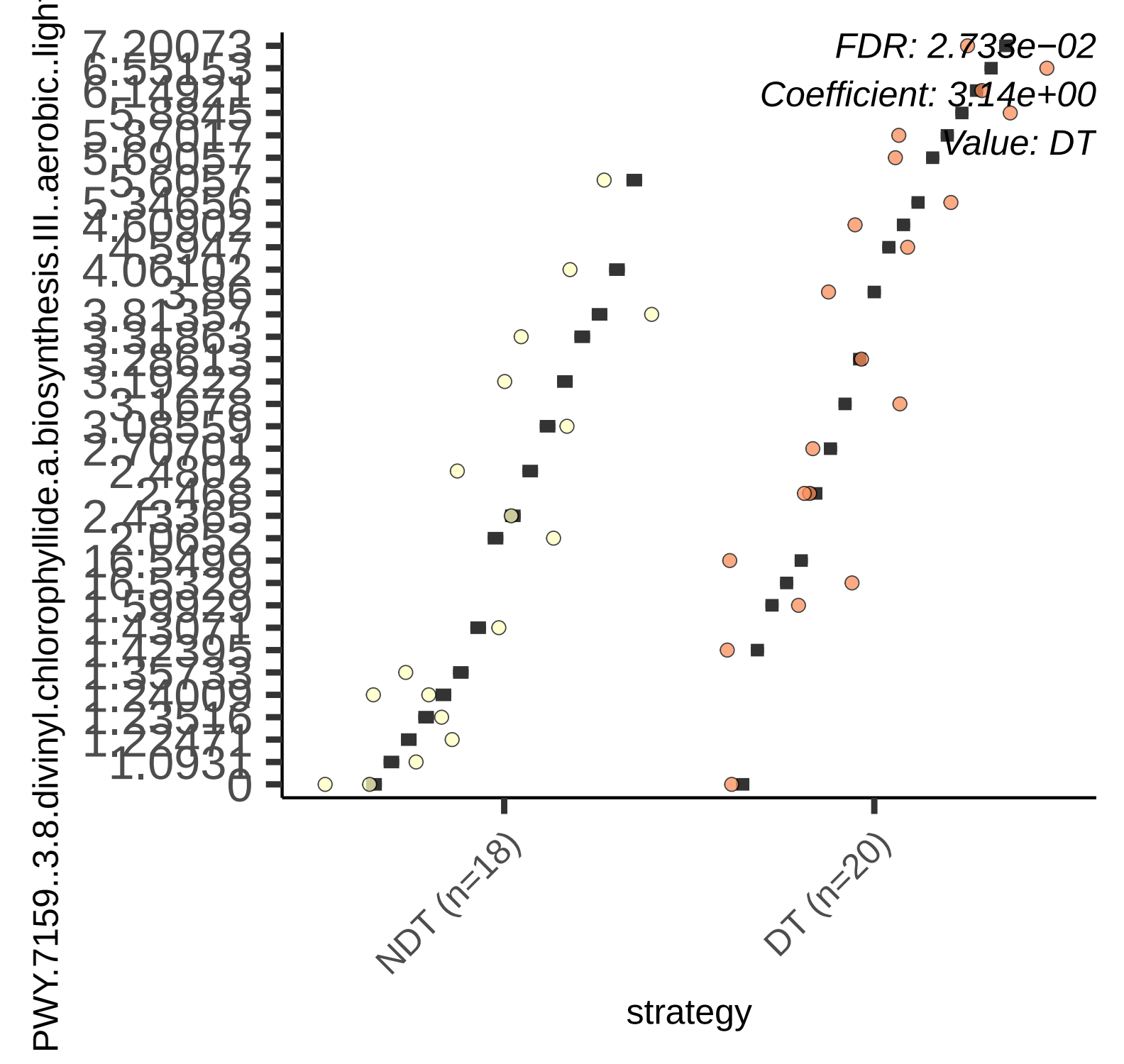

FDR: 2.265e−02
Coefficient: −9.73e−01
Value: DT
PWY.6859..all.trans.farnesol.biosynthesis
NDT (n=18)
DT (n=20)
strategy

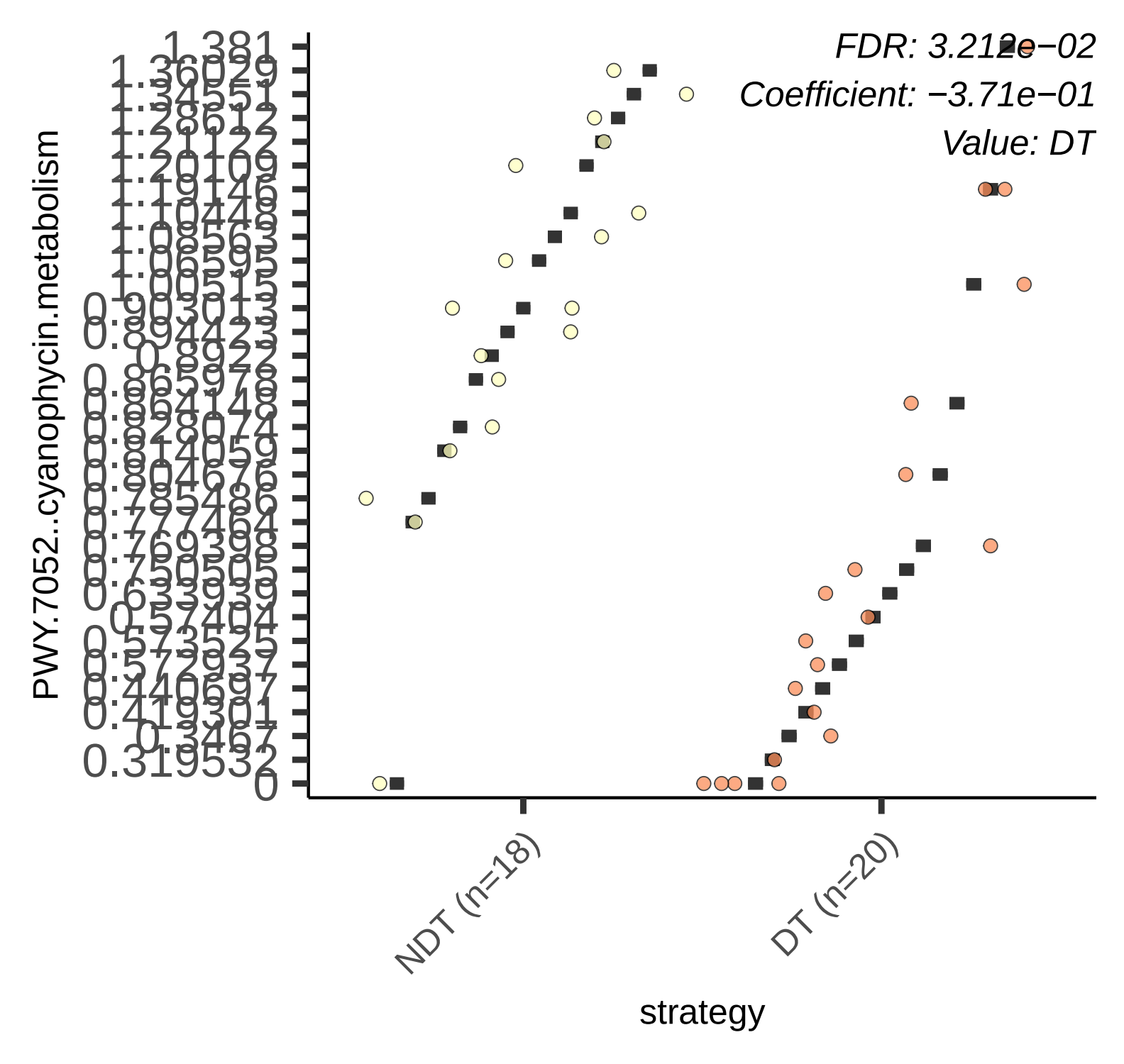

FDR: 2.325e−02
Coefficient: −3.74e+00
Value: DT
PWY0.1061..superpathway.of.L.alanine.biosynthesis
NDT (n=18)
DT (n=20)
strategy


FDR: 2.434e−02
Coefficient: −6.94e−01
Value: DT
PWY.5741..ethylmalonyl.CoA.pathway
NDT (n=18)
DT (n=20)
strategy

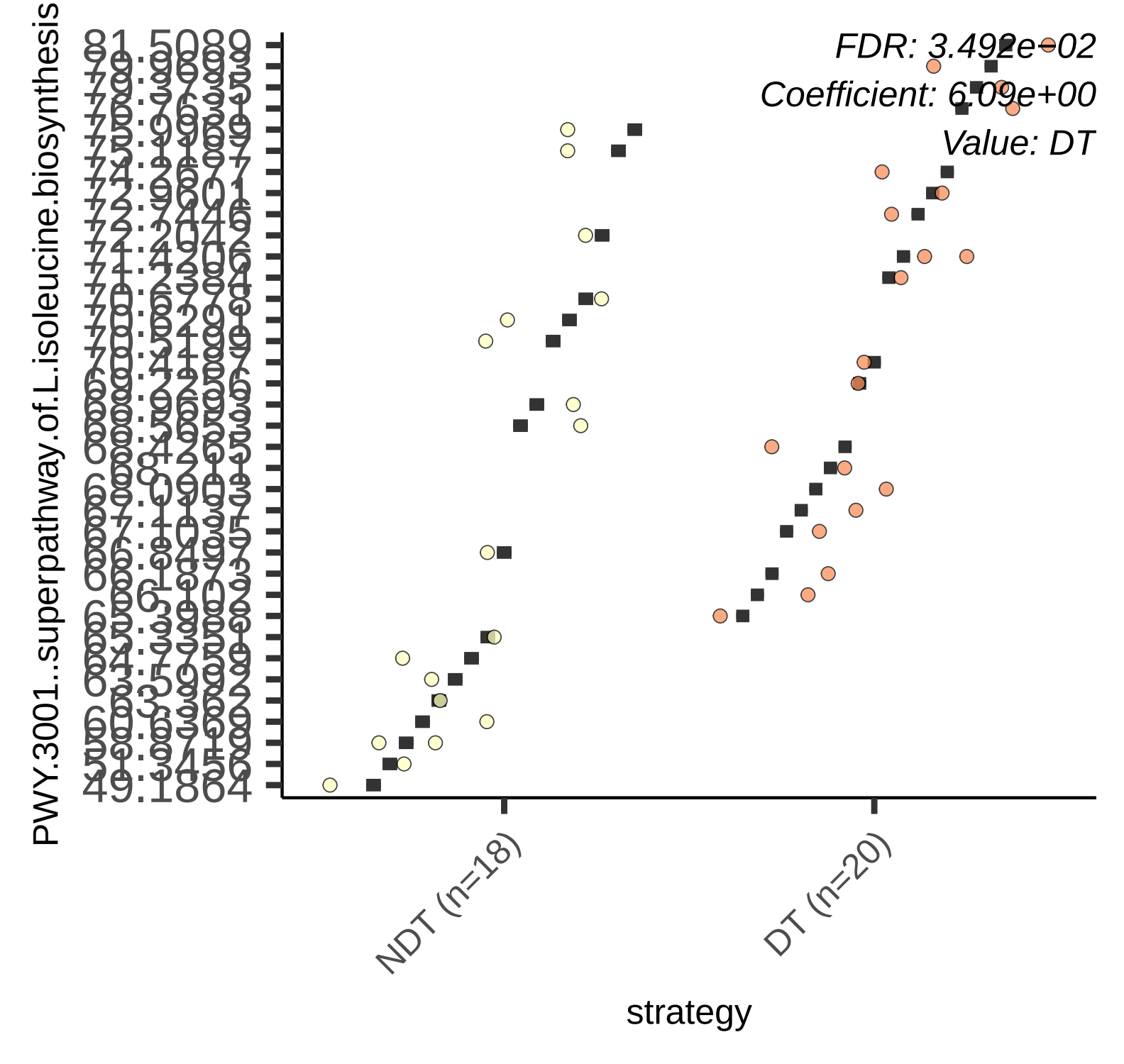

FDR: 2.473e−02
Coefficient: 7.49e+03
Value: DT
UNMAPPED
NDT (n=18)
DT (n=20)
strategy

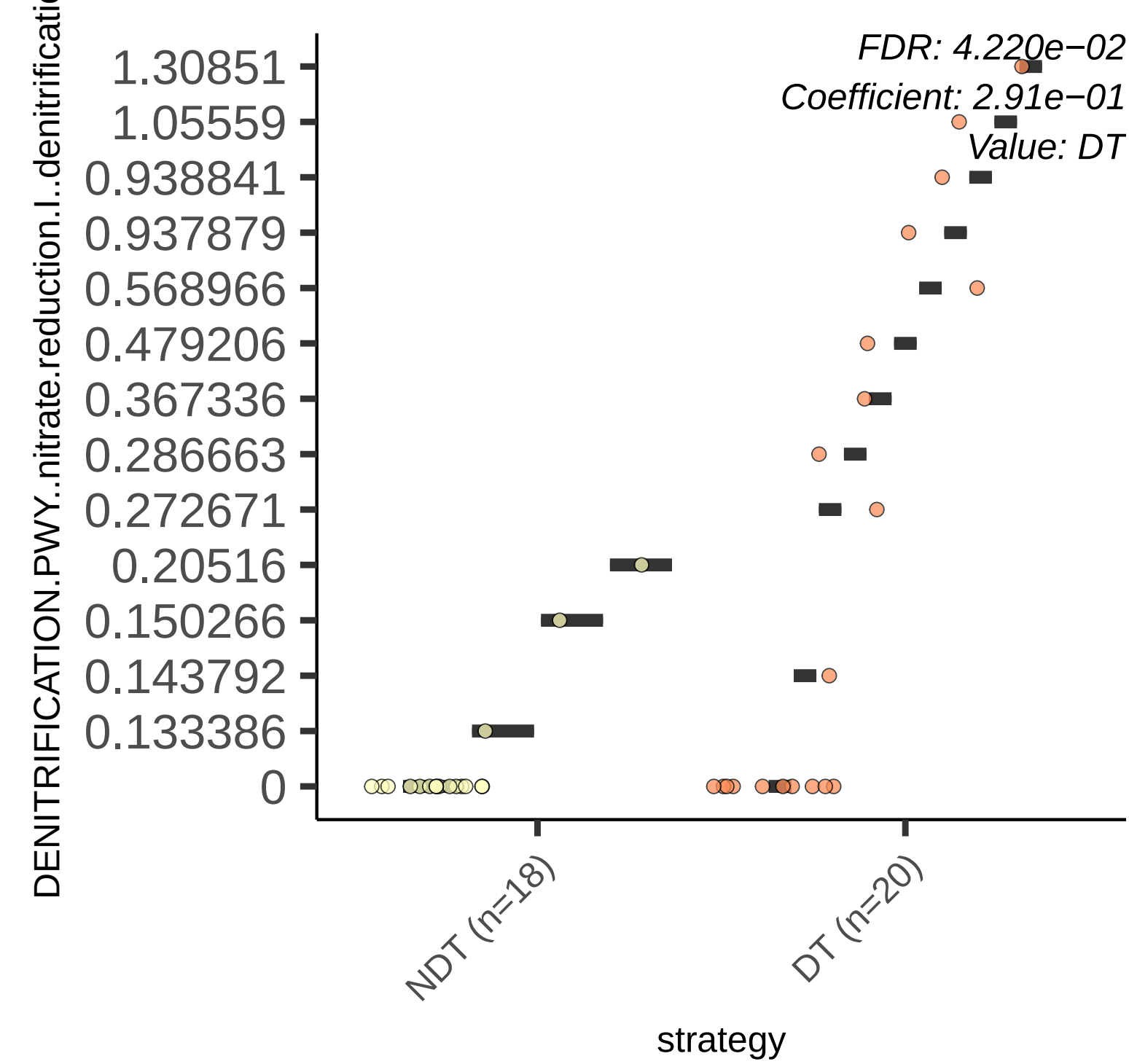

FDR: 2.473e−02
Coefficient: −3.10e+00
Value: DT
PWY.7199..pyrimidine.deoxyribonucleosides.salvage
NDT (n=18)
DT (n=20)
strategy

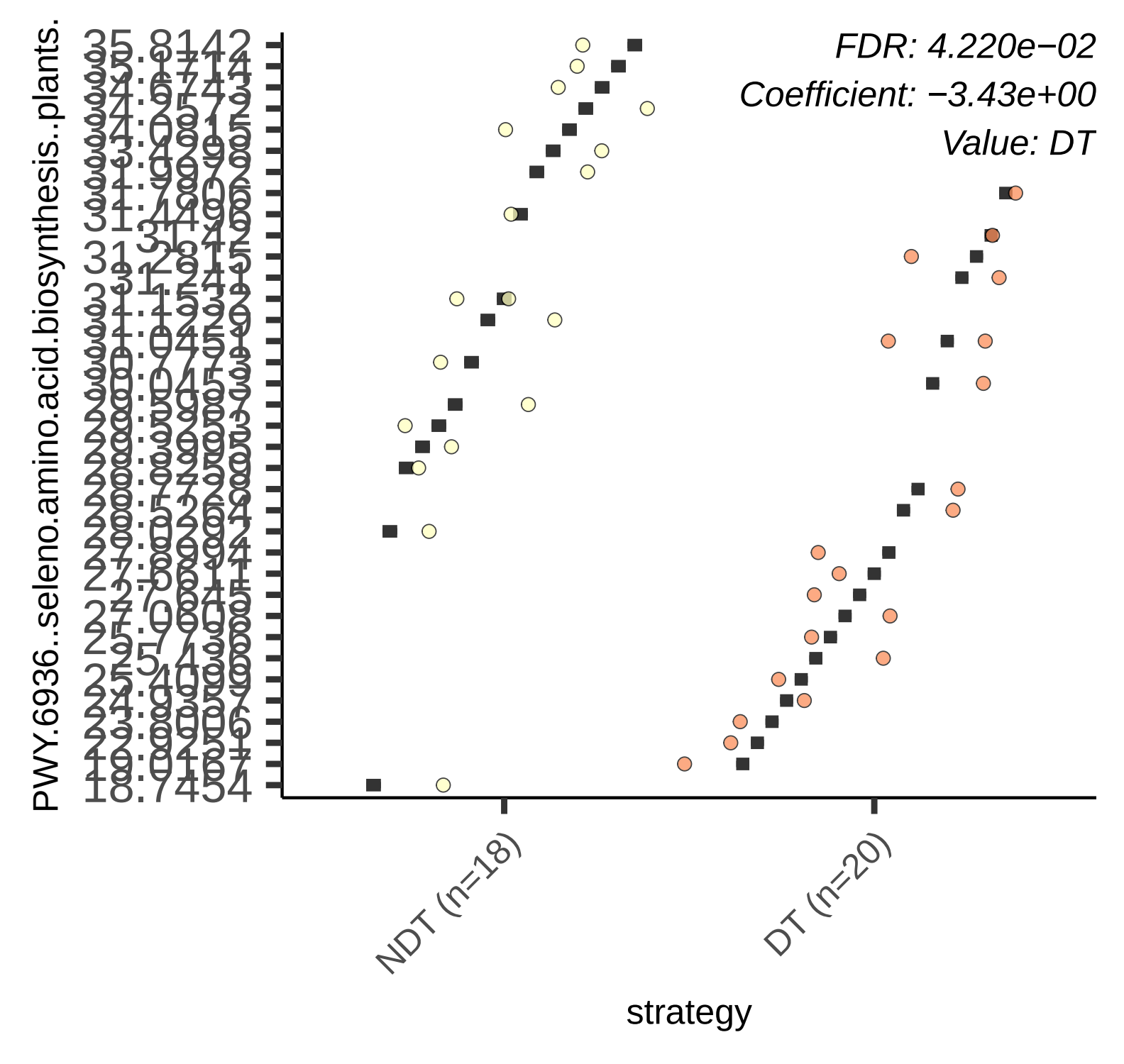

FDR: 2.738e−02
Coefficient: 3.14e+00
Value: DT
PWY.7159..3.8.divinyl.chlorophyllide.a.biosynthesis.III..aerobic..ligh
NDT (n=18)
DT (n=20)
strategy

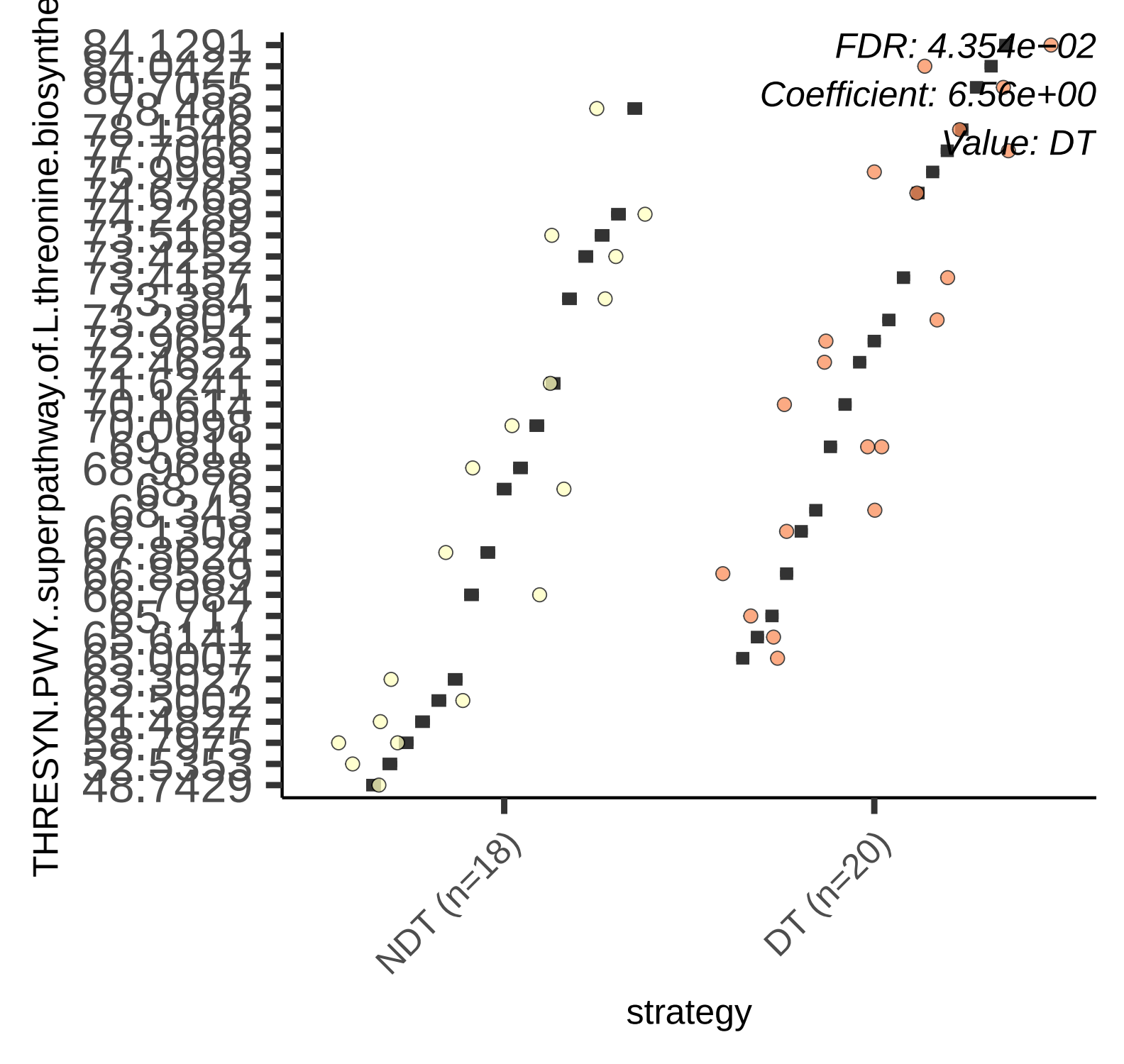

FDR: 3.212e−02
Coefficient: −3.71e−01
Value: DT
PWY.7052..cyanophycin.metabolism
NDT (n=18)
DT (n=20)
strategy

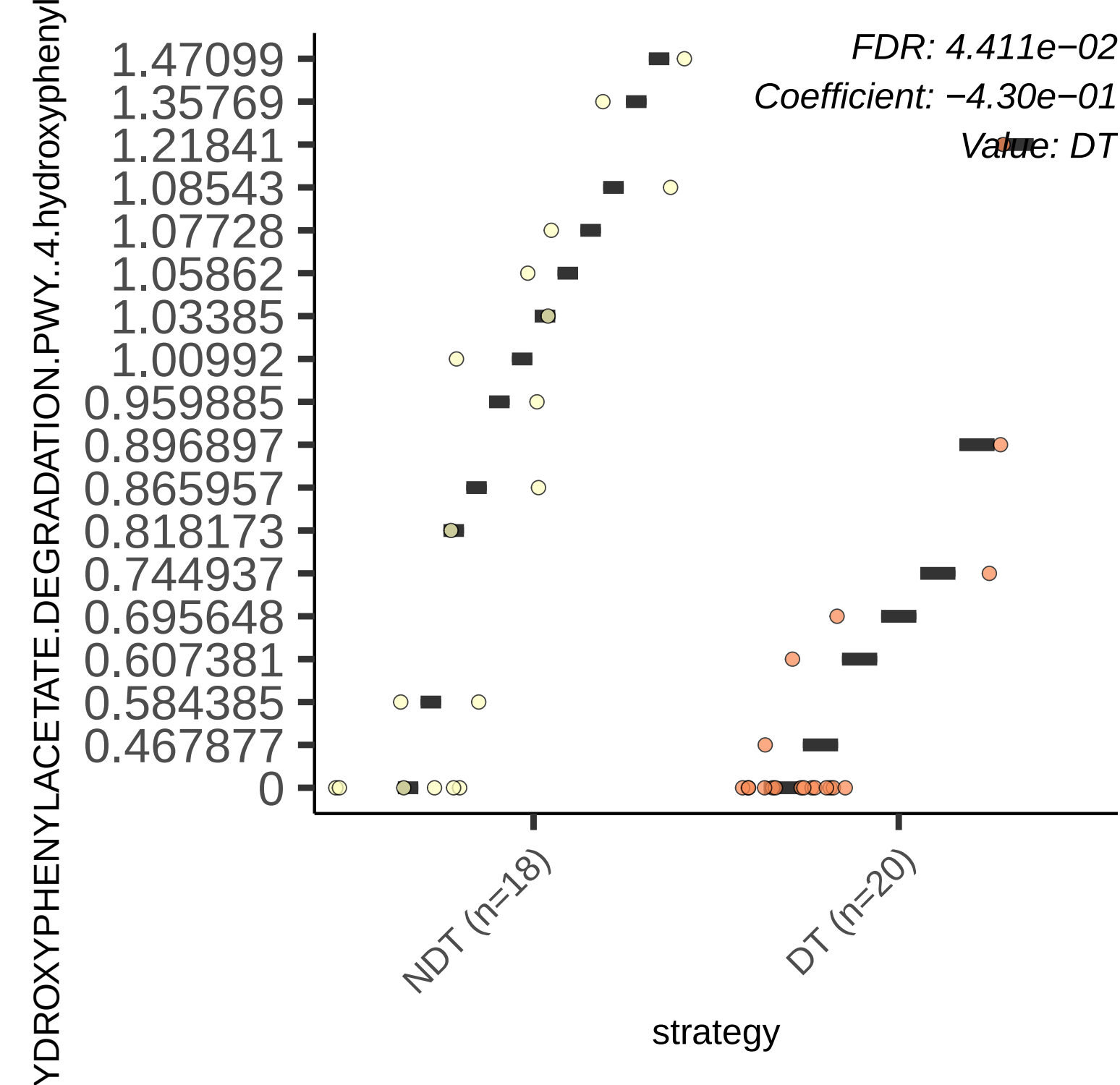
FDR: 3.459e−02
Coefficient: 4.29e+00
Value: DT
PWY.6292..superpathway.of.L.cysteine.biosynthesis..mammalian.
NDT (n=18)
DT (n=20)
strategy

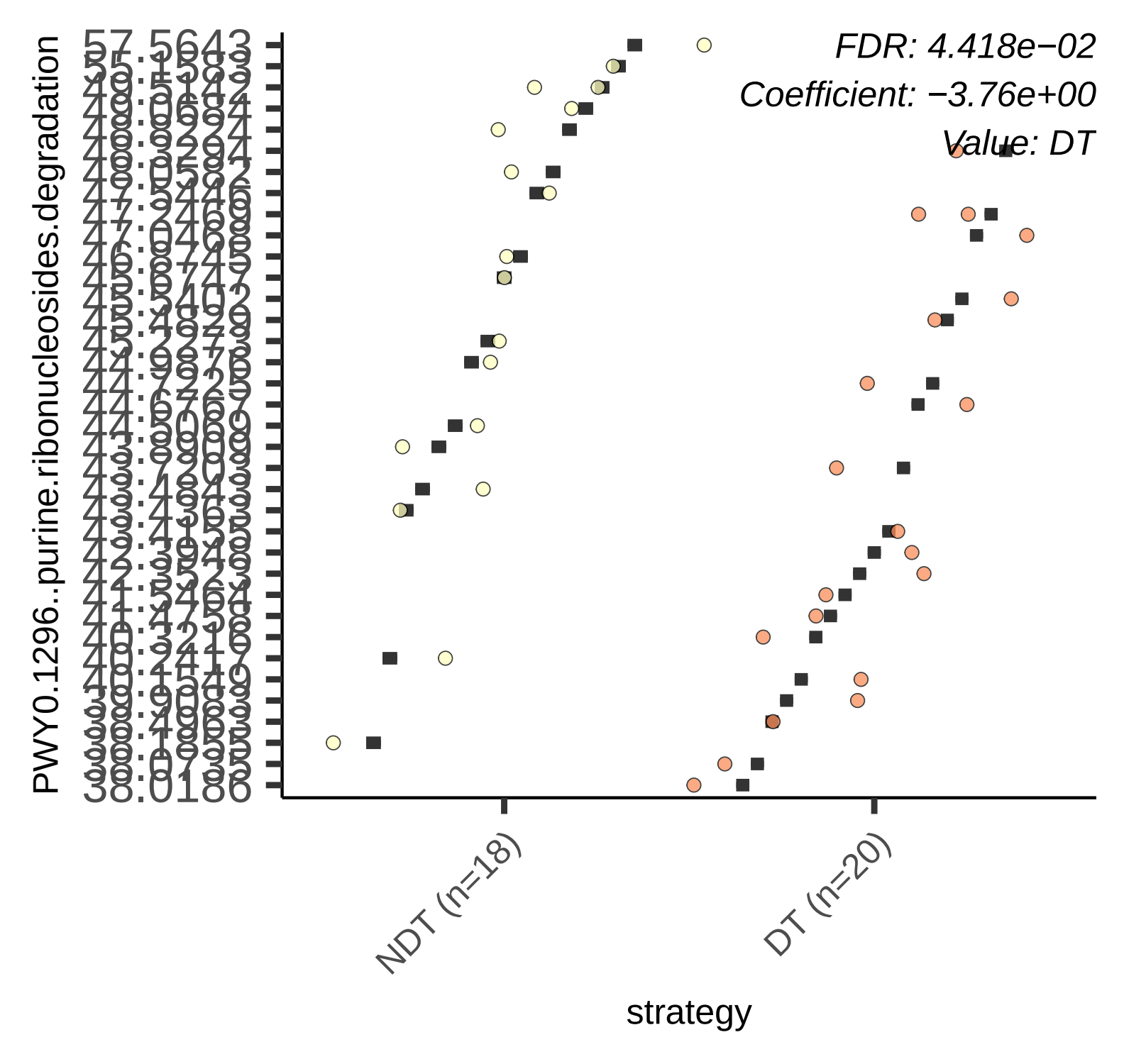

FDR: 3.492e-02
Coefficient: 6.09e+00
Value: DT
PWY.3001..superpathway.of.L.isoleucine.biosynthesis
NDT (n=18)
DT (n=20)
strategy

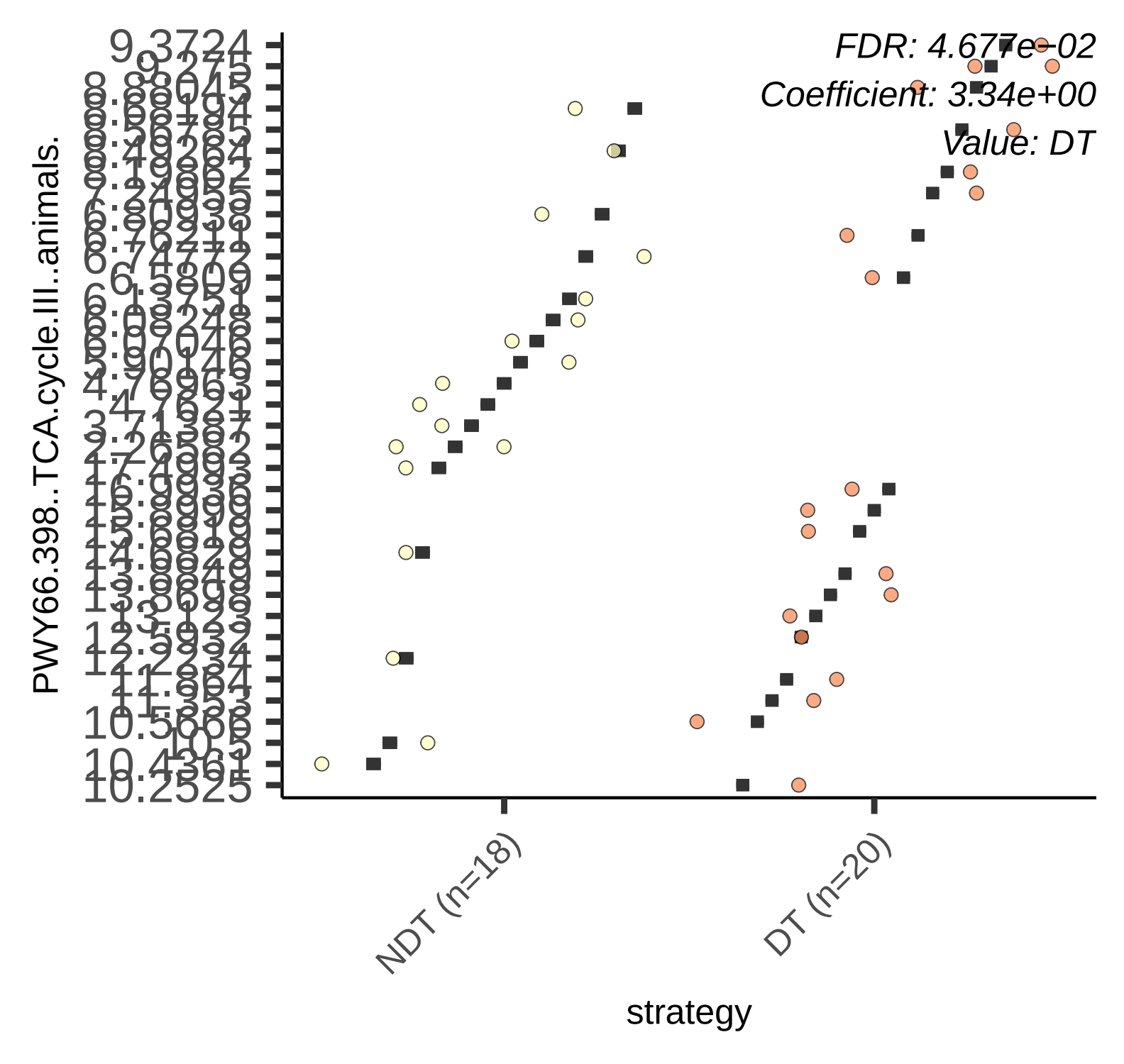

FDR: 4.220e−02
Coefficient: 2.91e−01
Value: DT
DENITRIFICATION.PWY..nitrate.reduction.I..denitrificatio
1.30851
1.05559
0.938841
0.937879
0.568966
0.479206
0.367336
0.286663
0.272671
0.20516
0.150266
0.143792
0.133386
0
NDT (n=18)
DT (n=20)
strategy

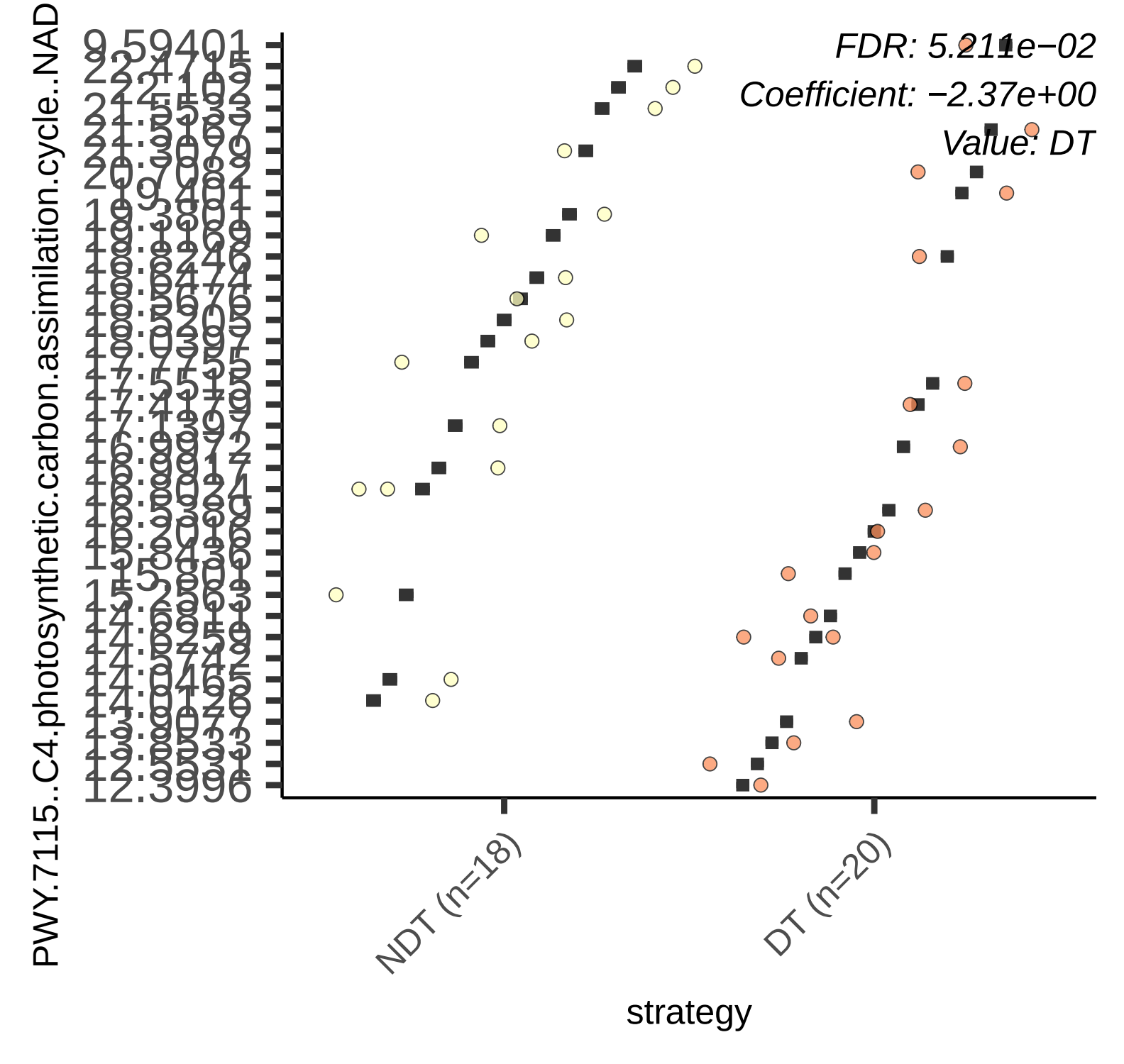

FDR: 4.220e−02
Coefficient: −3.43e+00
Value: DT
PWY.6936..seleno.amino.acid.biosynthesis..plants.
NDT (n=18)
DT (n=20)
strategy

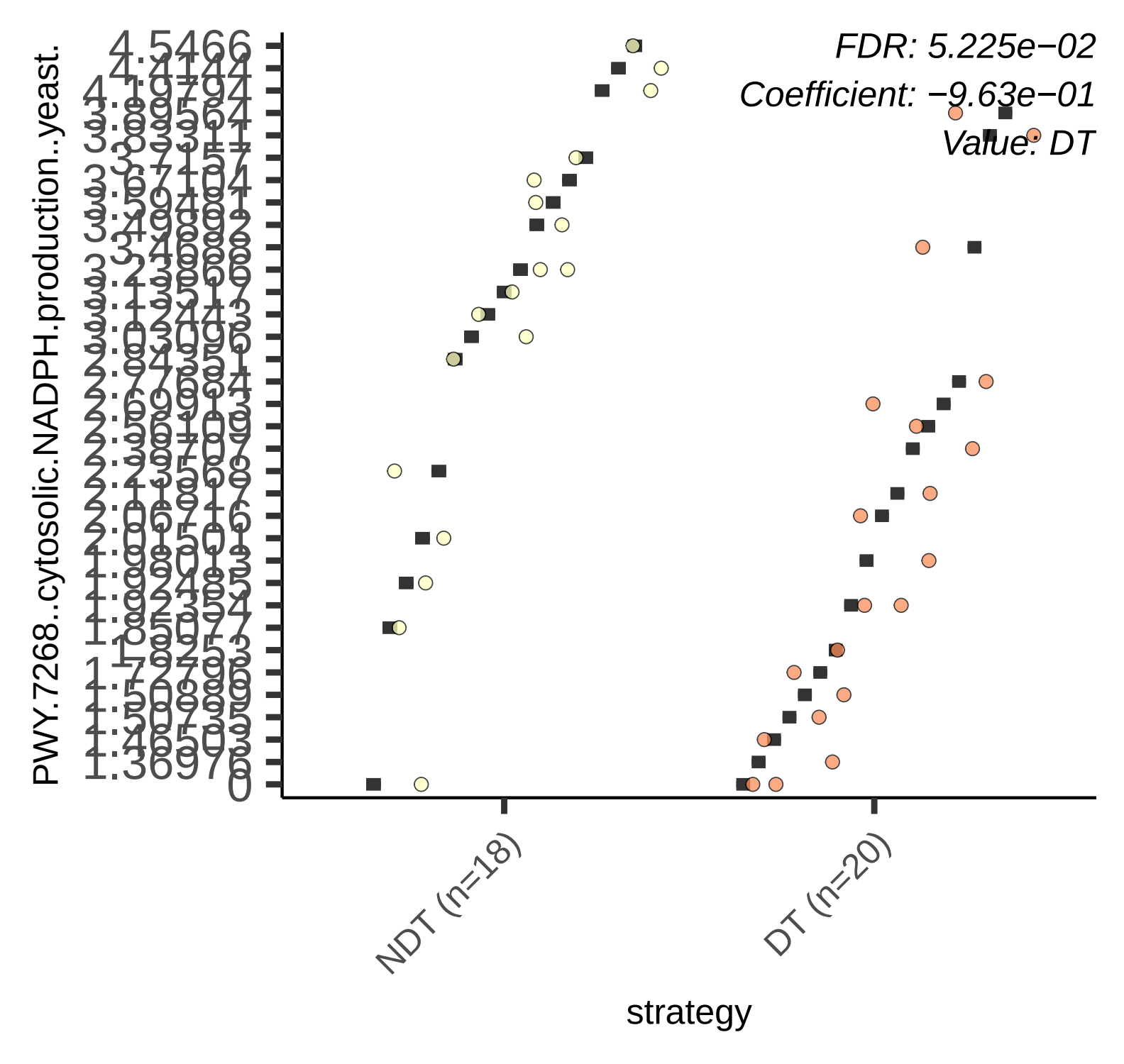

FDR: 4.354e-02
Coefficient: 6.56e+00
Value: DT
THRESYN.PWY..superpathway.of.L.threonine.biosynthe
NDT (n=18)
DT (n=20)
strategy

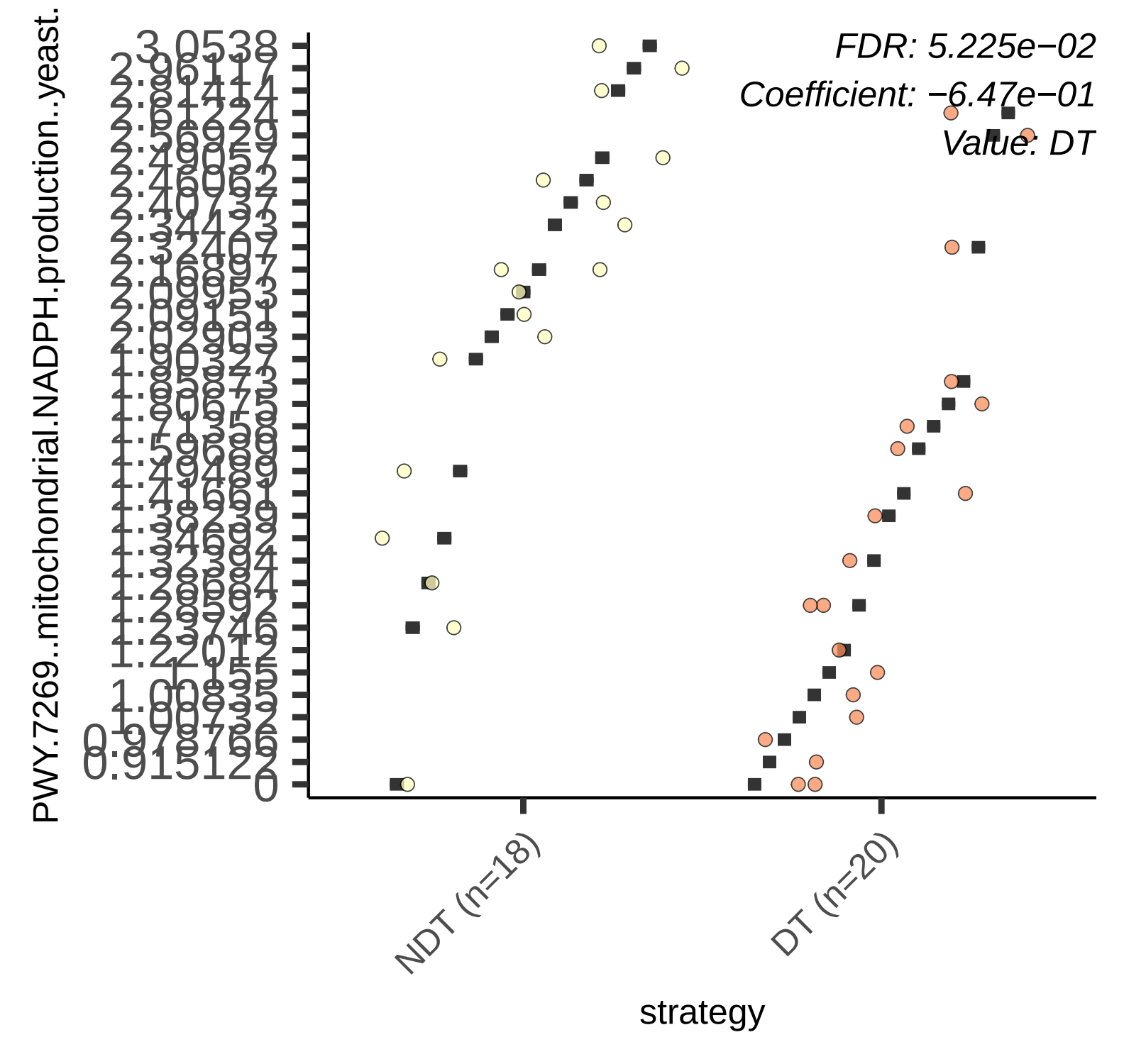

FDR: 4.411e−02
Coefficient: −4.30e−01
Value: DT
1.47099
1.35769
1.21841
1.08543
1.07728
1.05862
1.03385
1.00992
0.959885
0.896897
0.865957
0.818173
0.744937
0.695648
0.607381
0.584385
0.467877
0
NDT (n=18)
DT (n=20)
strategy
YDROXYPHENYLACETATE.DEGRADATION.PWY..4.hydroxyphenyl

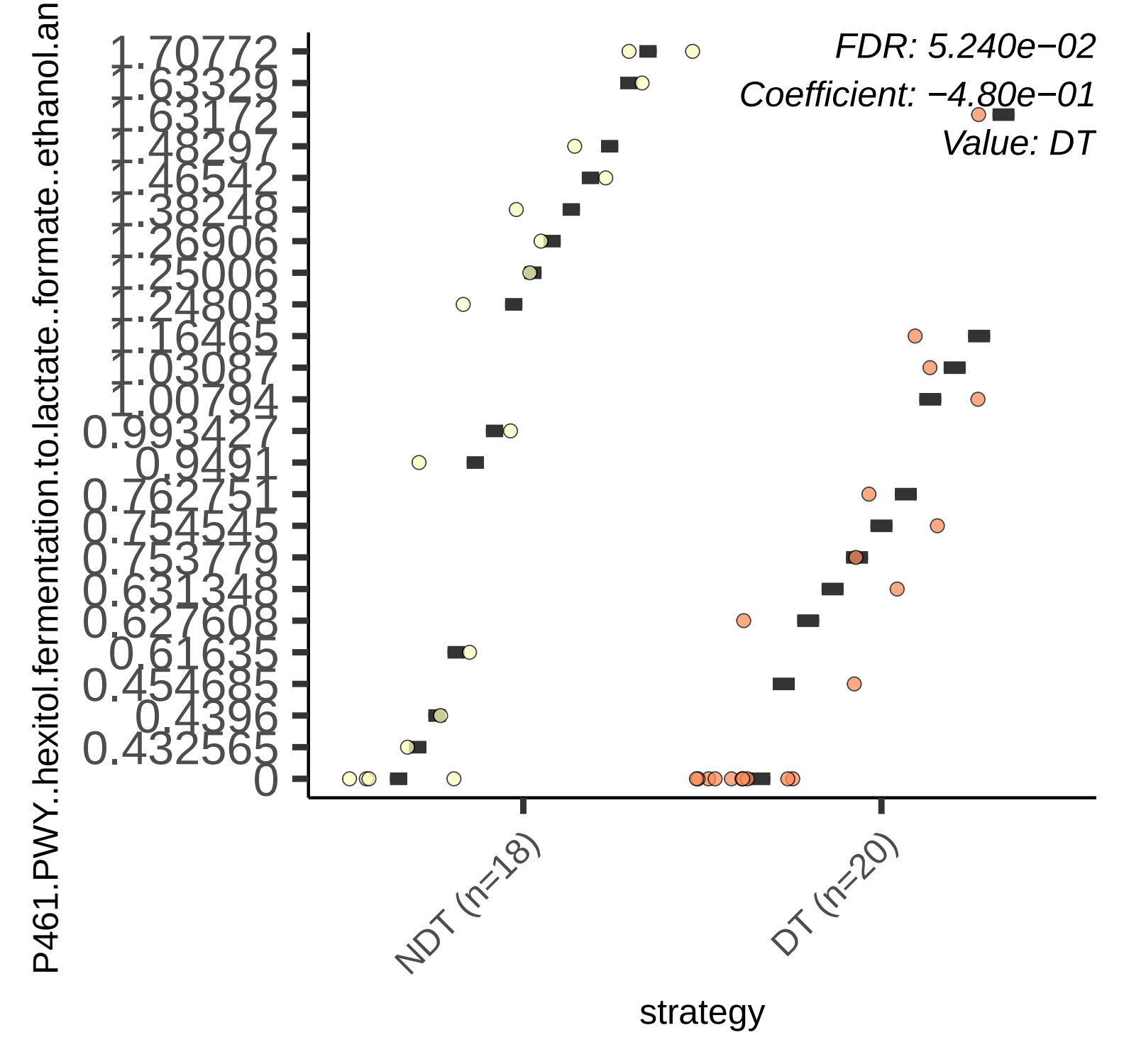

FDR: 4.418e−02
Coefficient: −3.76e+00
Value: DT
PWY0.1296..purine.ribonucleosides.degradation
NDT (n=18)
DT (n=20)
strategy

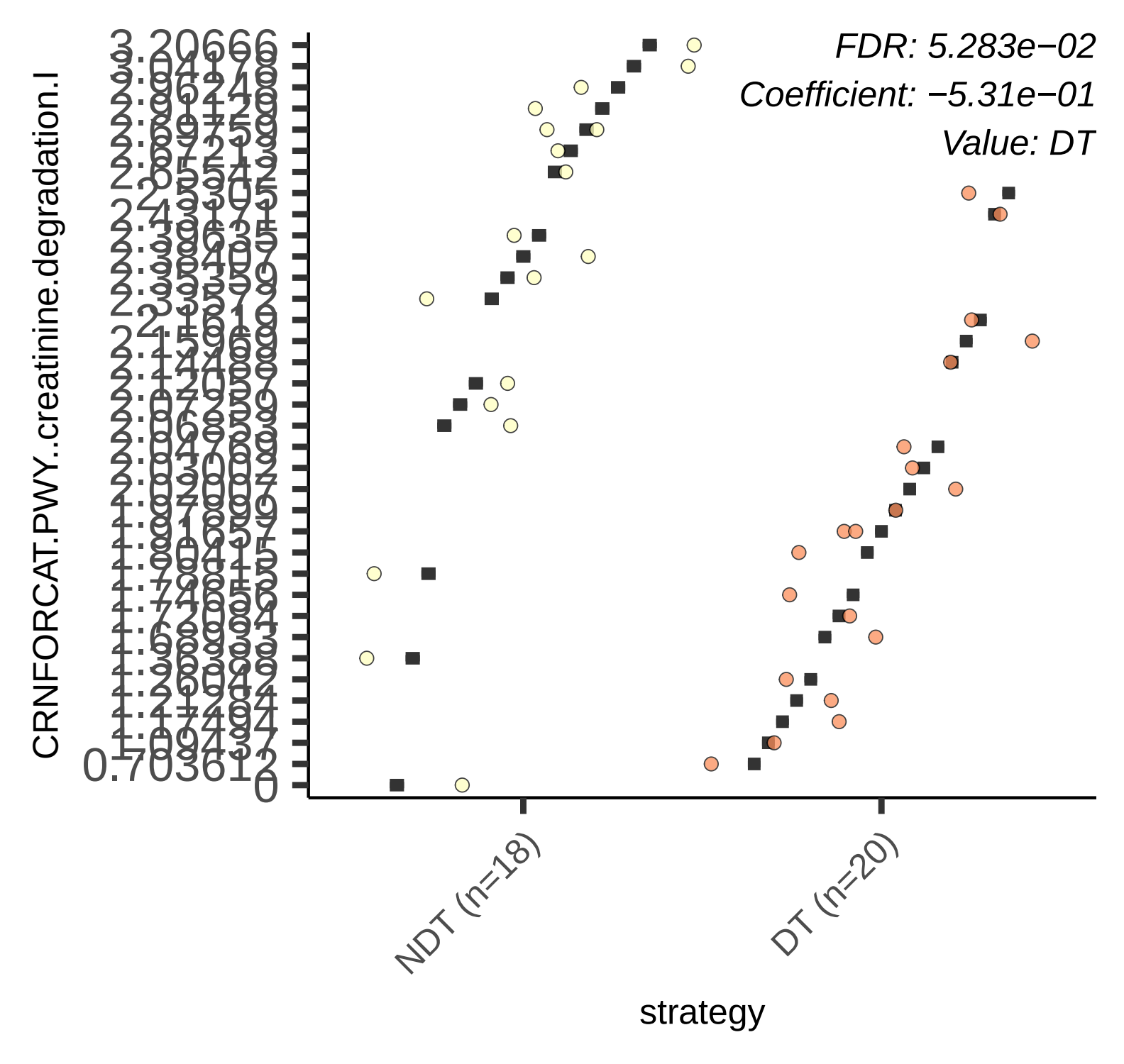

FDR: 4.677e-02
Coefficient: 3.34e+00
Value: DT
PWY66.398..TCA.cycle.III..animals.
NDT (n=18)
DT (n=20)
strategy

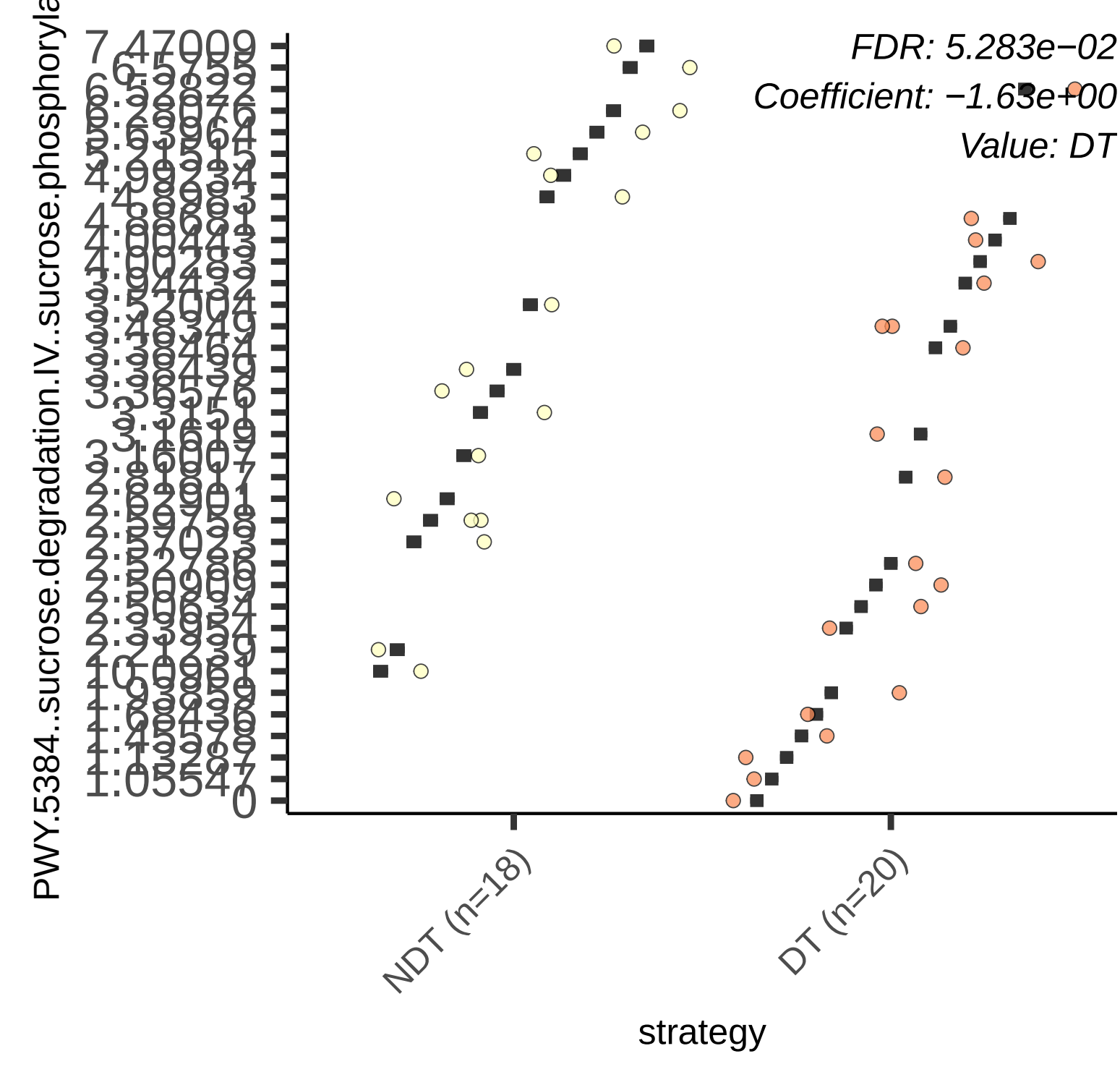

FDR: 5.211e−02
Coefficient: −2.37e+00
Value: DT
PWY.7115..C4.photosynthetic.carbon.assimilation.cycle..NAD
NDT (n=18)
DT (n=20)
strategy

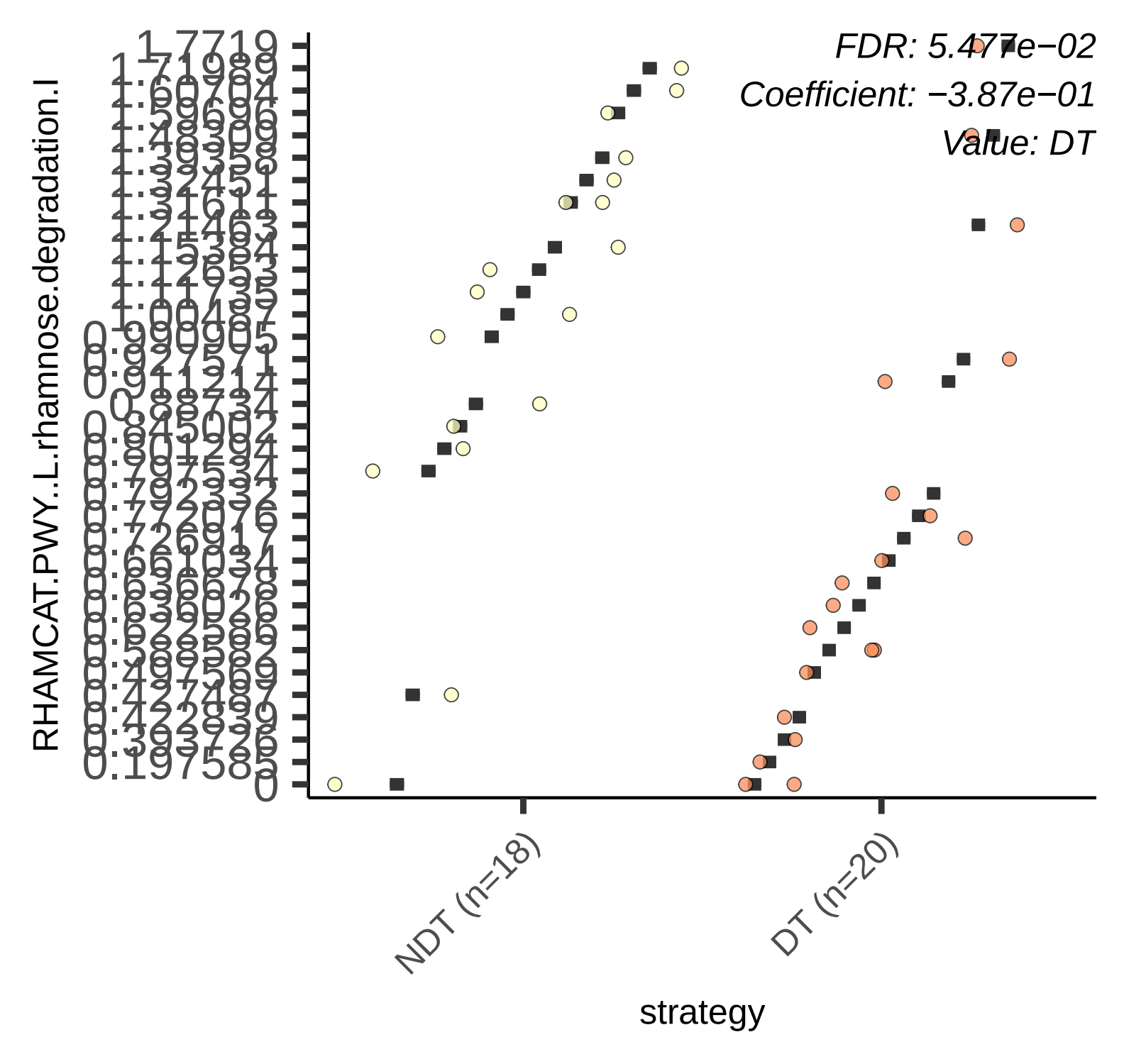

FDR: 5.225e−02
Coefficient: −9.63e−01
Value: DT
PWY.7268..cytosolic.NADPH.production..yeast.
NDT (n=18)
DT (n=20)
strategy

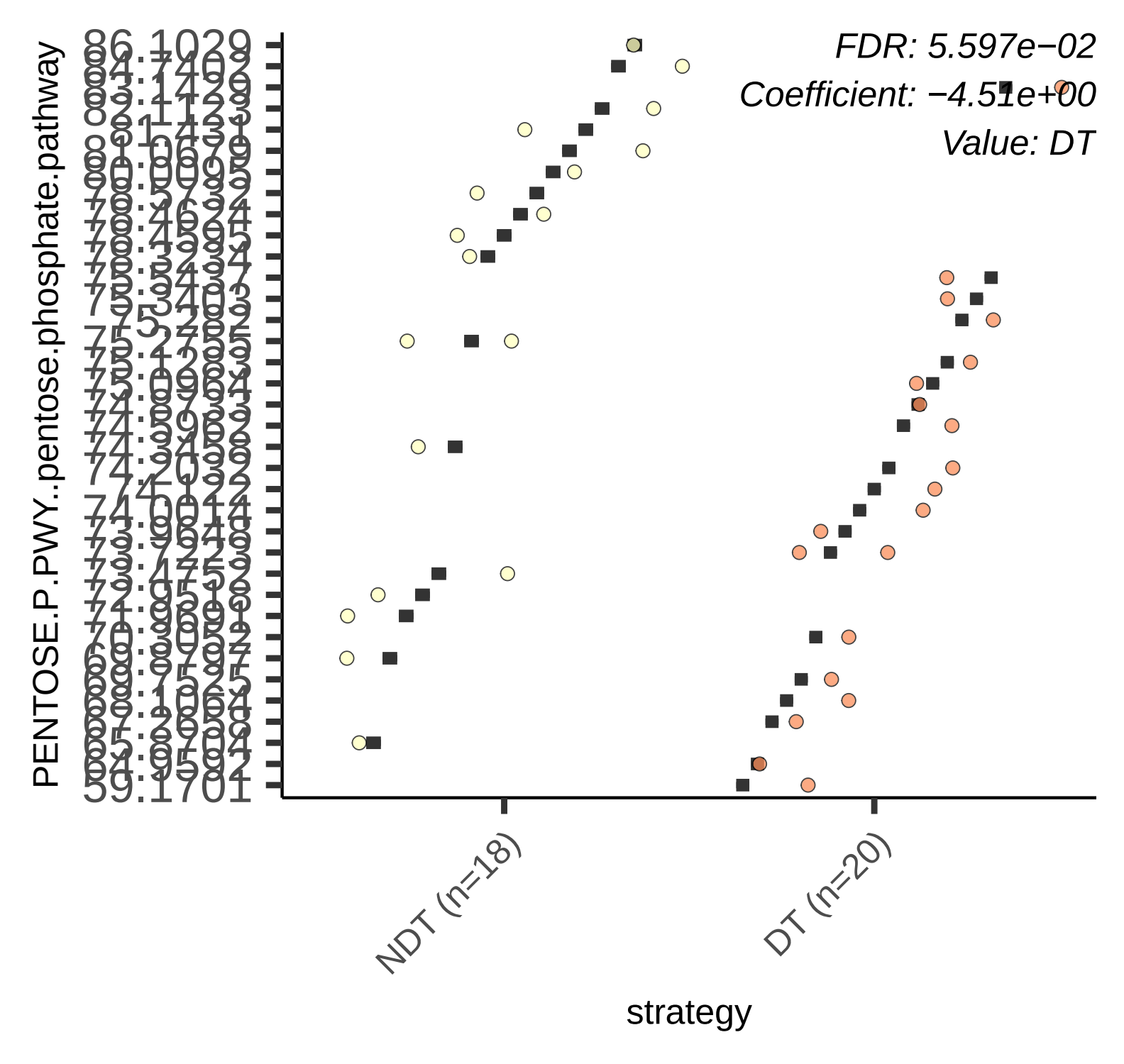

FDR: 5.225e−02
Coefficient: −6.47e−01
Value: DT
PWY.7269..mitochondrial.NADPH.production..yeast.
NDT (n=18)
DT (n=20)
strategy

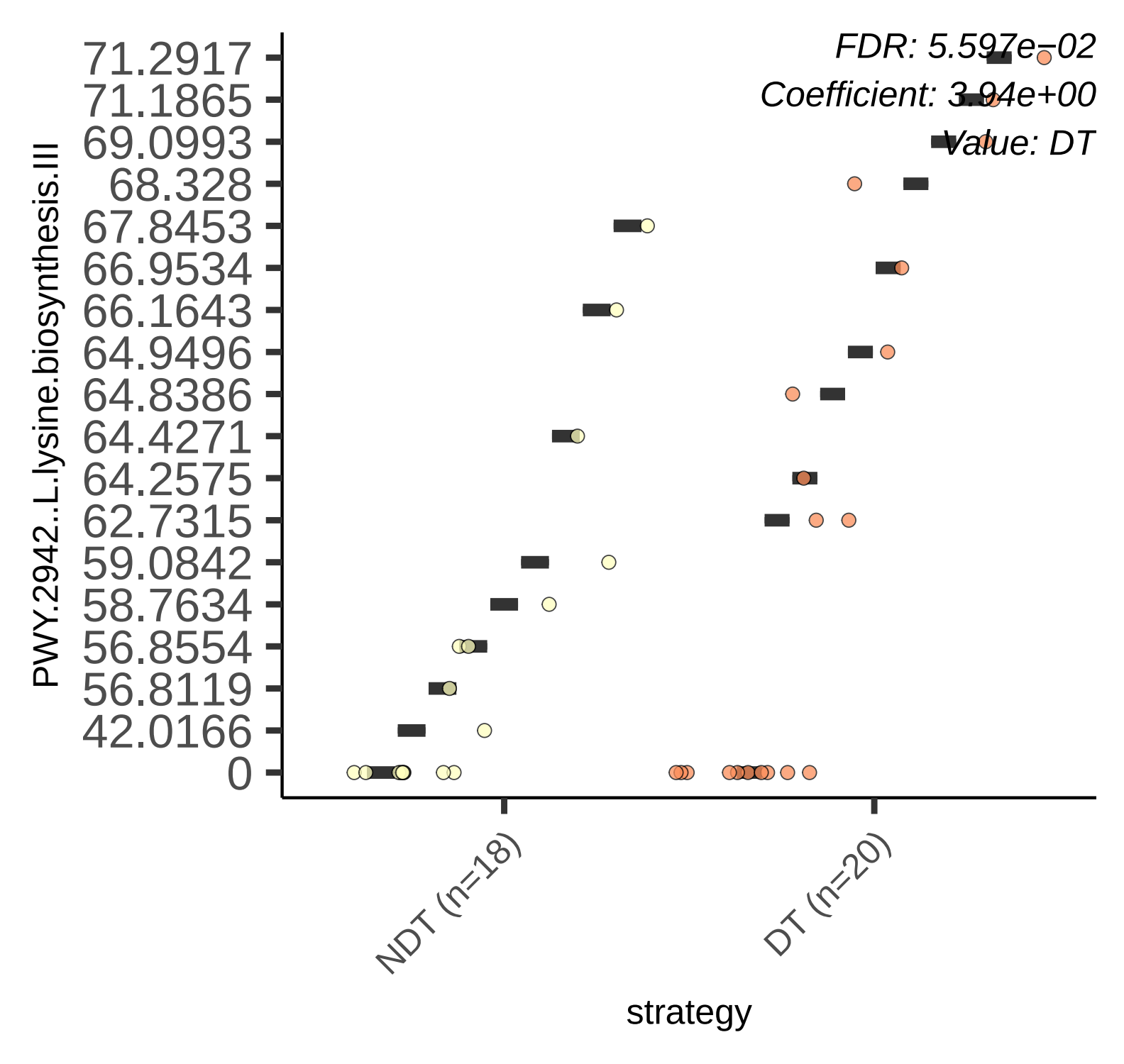

FDR: 5.240e−02
Coefficient: −4.80e−01
Value: DT
P461.PWY..hexitol.fermentation.to.lactate..formate..ethanol.an
1.70772
1.63329
1.63172
1.48297
1.46542
1.38243
1.26906
1.25006
1.24803
1.16465
1.03087
1.00794
0.993427
0.9491
0.762751
0.754545
0.753779
0.631346
0.627606
0.61635
0.454685
0.439606
0.432565
0
NDT (n=18)
DT (n=20)
strategy

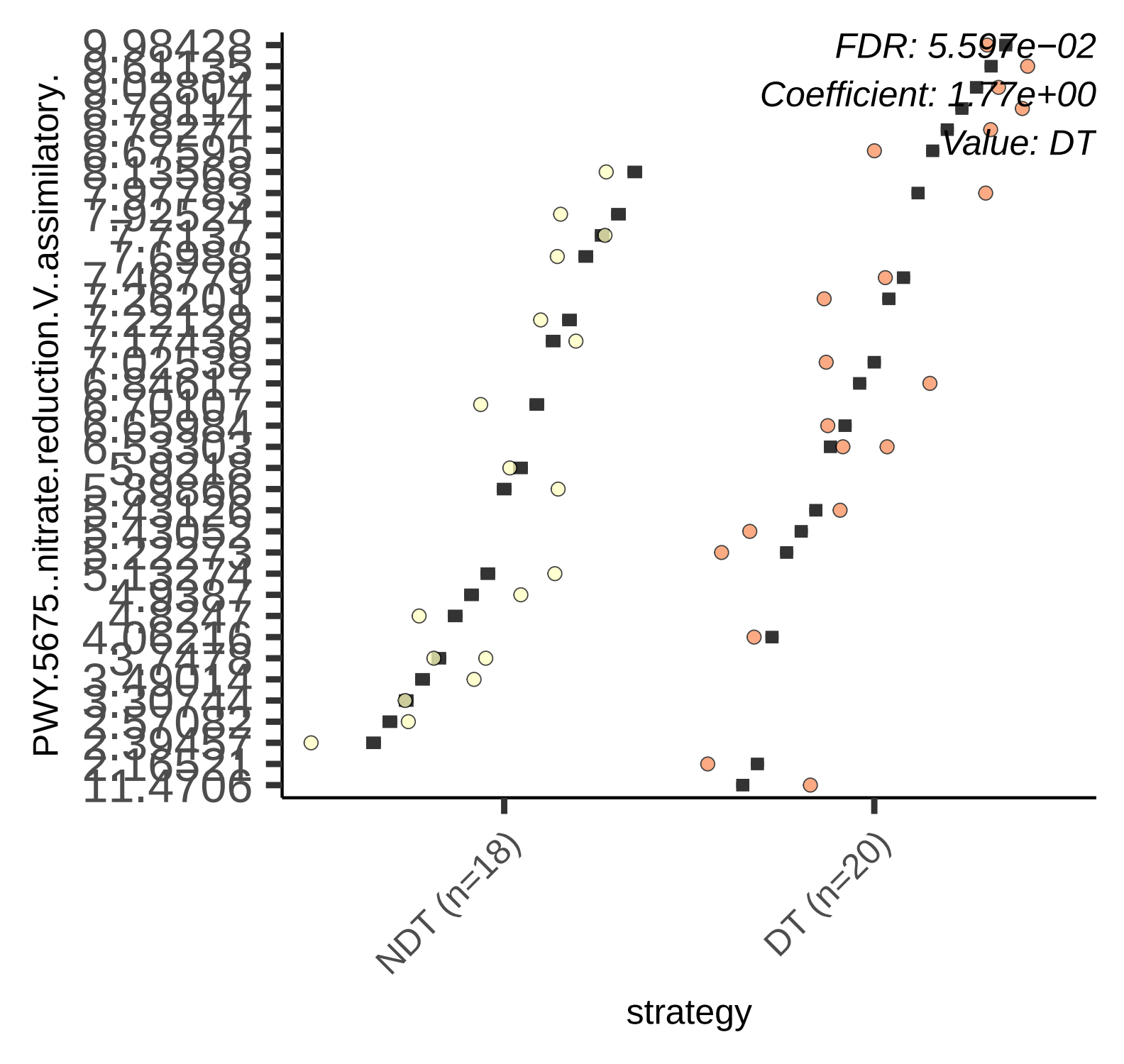

FDR: 5.283e−02
Coefficient: −5.31e−01
Value: DT
CRNFORCAT.PWY..creatinine.degradation.I
strategy
NDT (n=18)
DT (n=20)

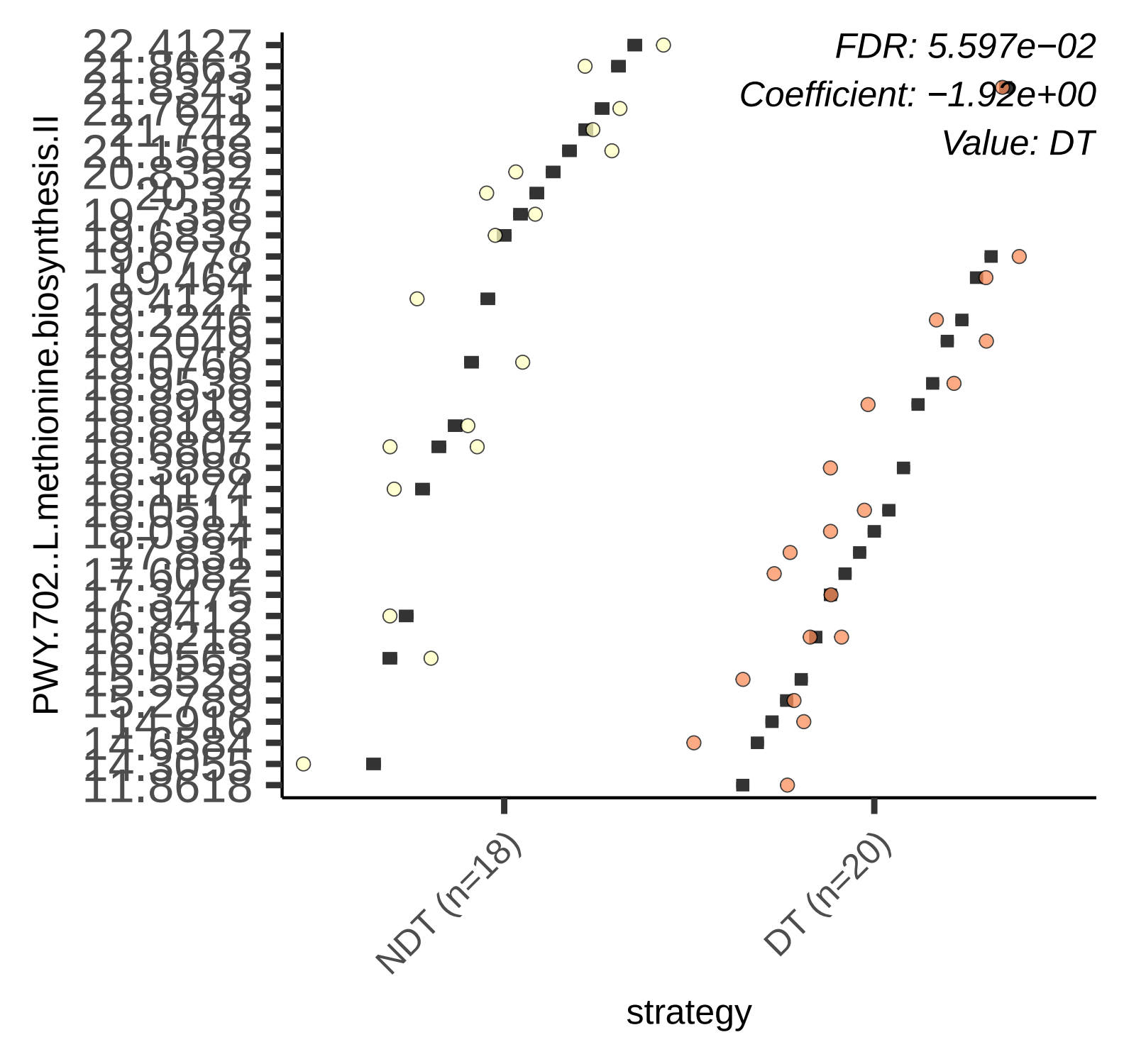

FDR: 5.283e−02
Coefficient: −1.63e+00
Value: DT
PWY.5384..sucrose.degradation.IV..sucrose.phosphorylase
NDT (n=18)
DT (n=20)
strategy


FDR: 5.477e−02
Coefficient: −3.87e−01
Value: DT
RHAMCAT.PWY..L.rhamnose.degradation.I
NDT (n=18)
DT (n=20)
strategy


FDR: 5.597e−02
Coefficient: −4.51e+00
Value: DT
PENTOSE.P.PWY..pentose.phosphate.pathway
NDT (n=18)
DT (n=20)
strategy


FDR: 5.597e−02
Coefficient: 3.94e+00
Value: DT
PWY.2942..L.lysine.biosynthesis.III
71.2917
71.1865
69.0993
68.328
67.8453
66.9534
66.1643
64.9496
64.8386
64.4271
64.2575
62.7315
59.0842
58.7634
56.8554
56.8119
42.0166
0
NDT (n=18)
DT (n=20)
strategy


FDR: 5.597e−02
Coefficient: 1.77e+00
Value: DT
PWY.5675..nitrate.reduction.V..assimilatory.
NDT (n=18)
DT (n=20)
strategy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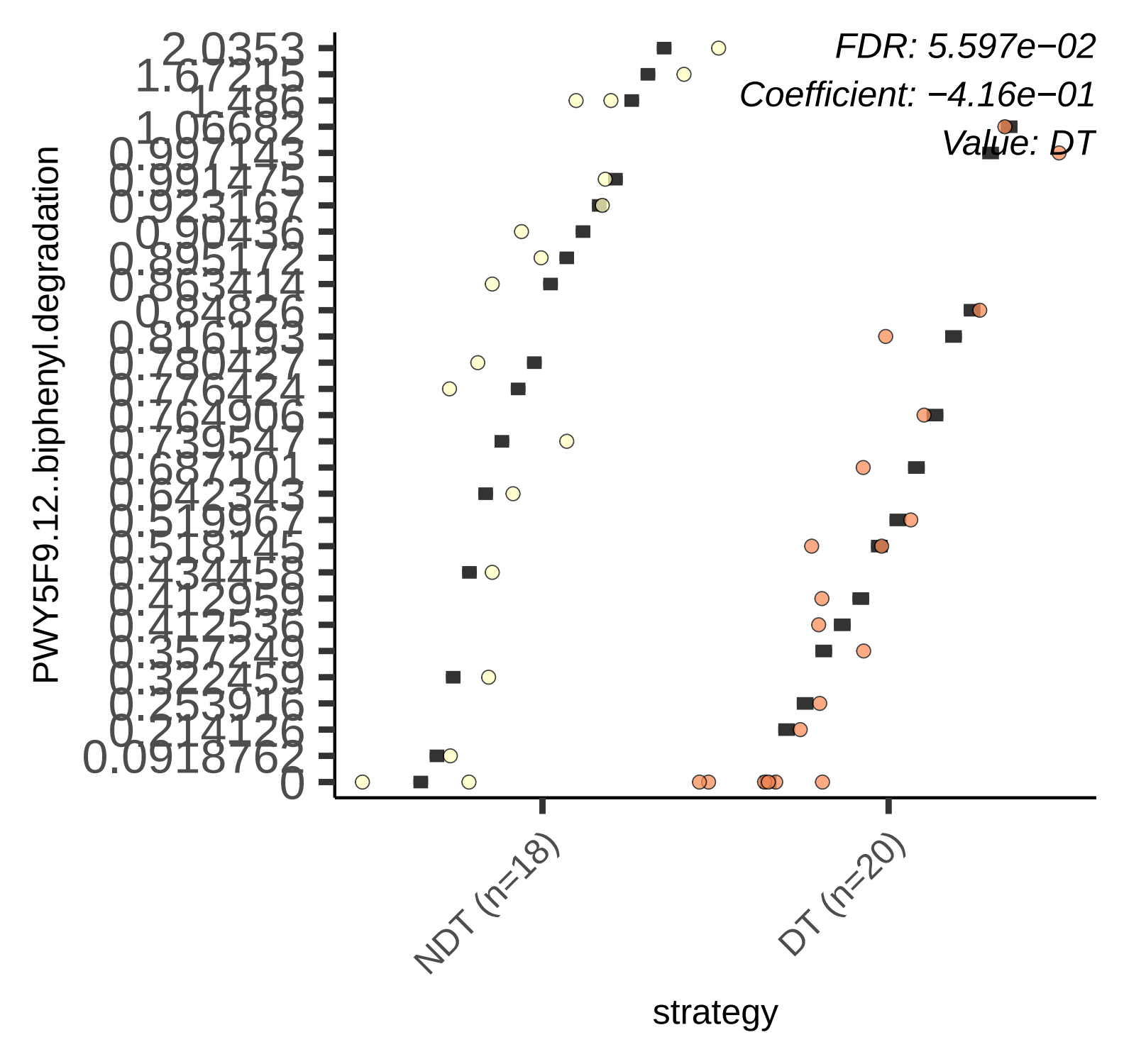
Value: DT
PWY.702..L.methionine.biosynthesis.II
NDT (n=18)
DT (n=20)
strategy


FDR: 5.597e−02
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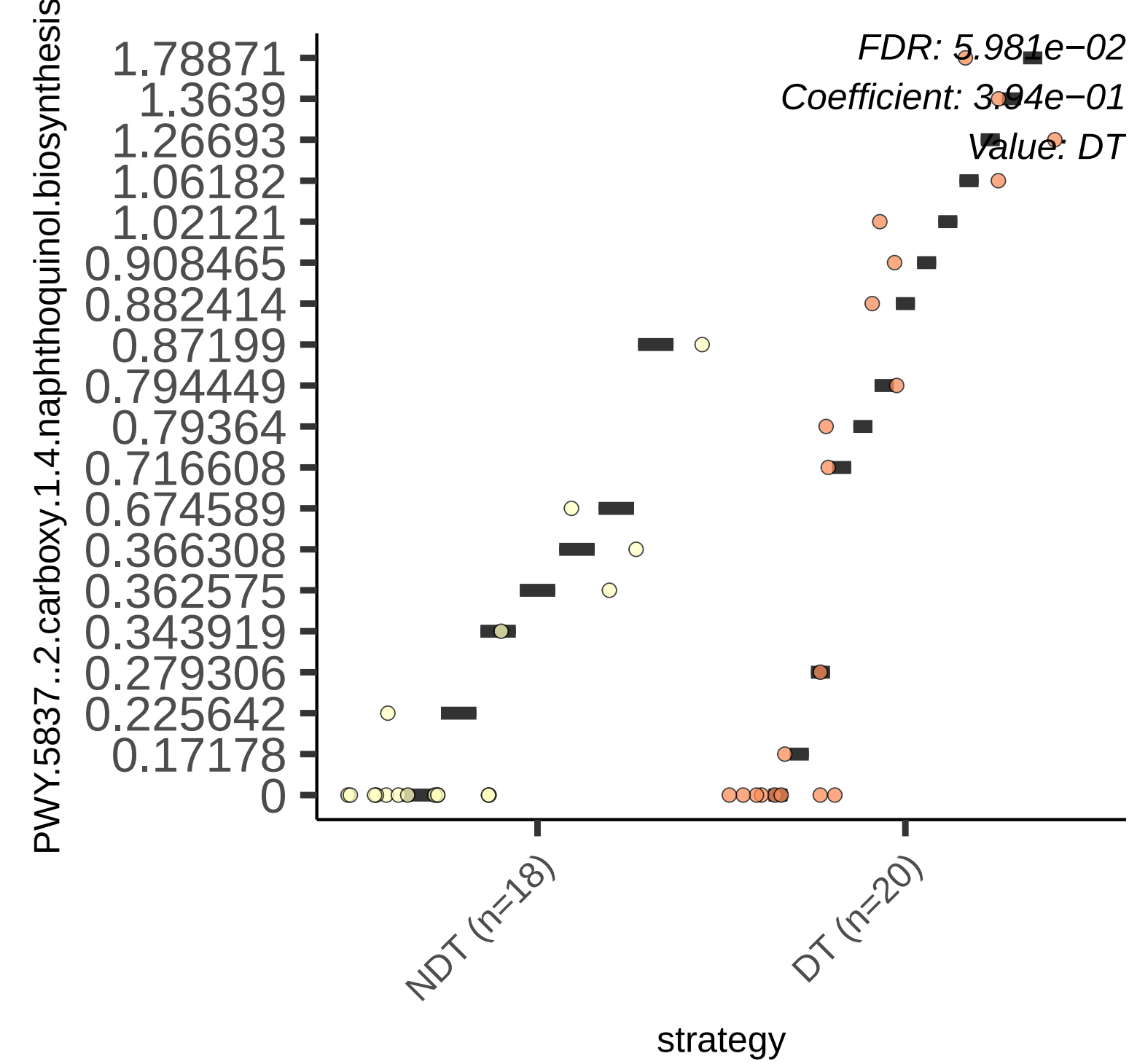
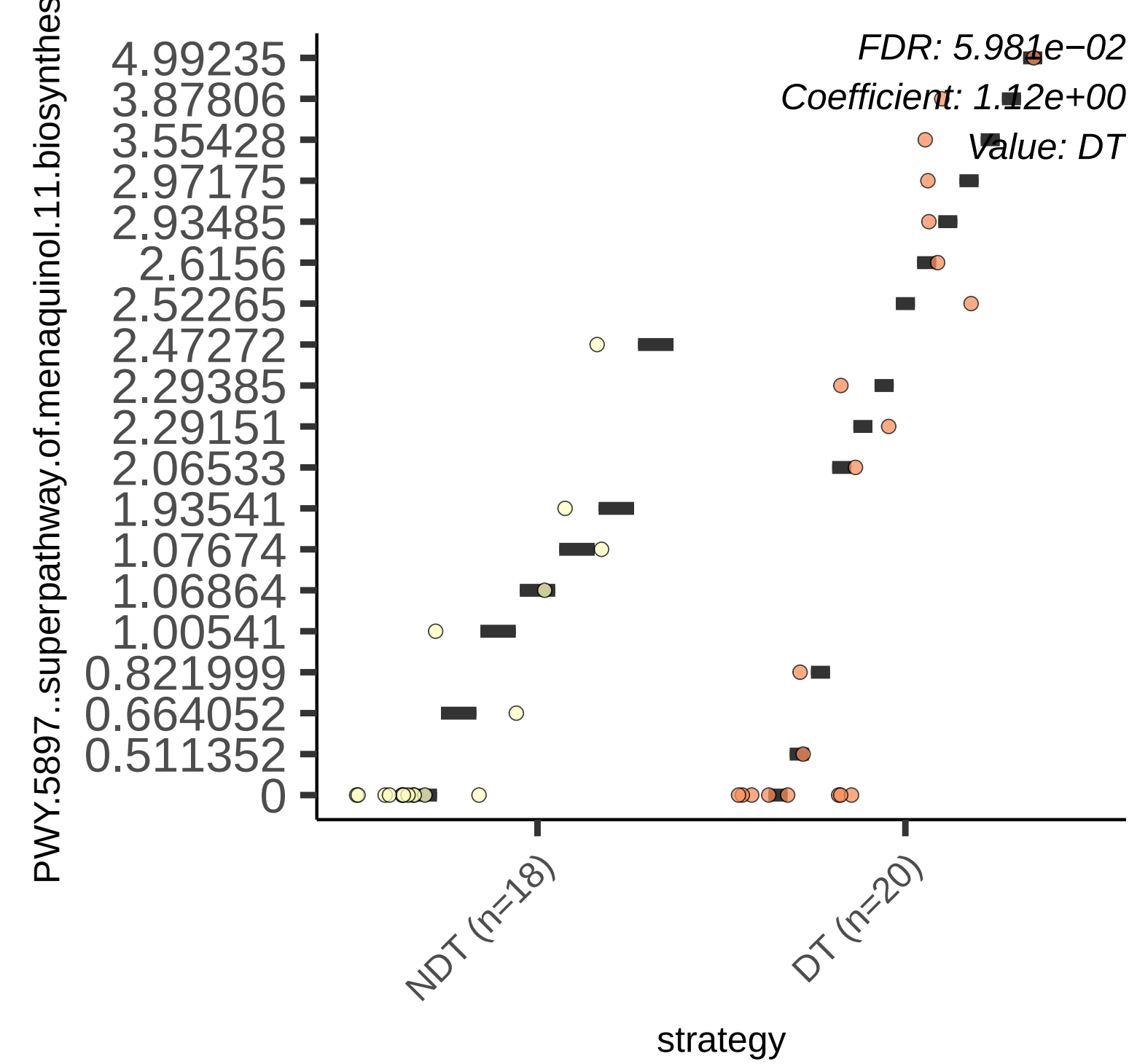
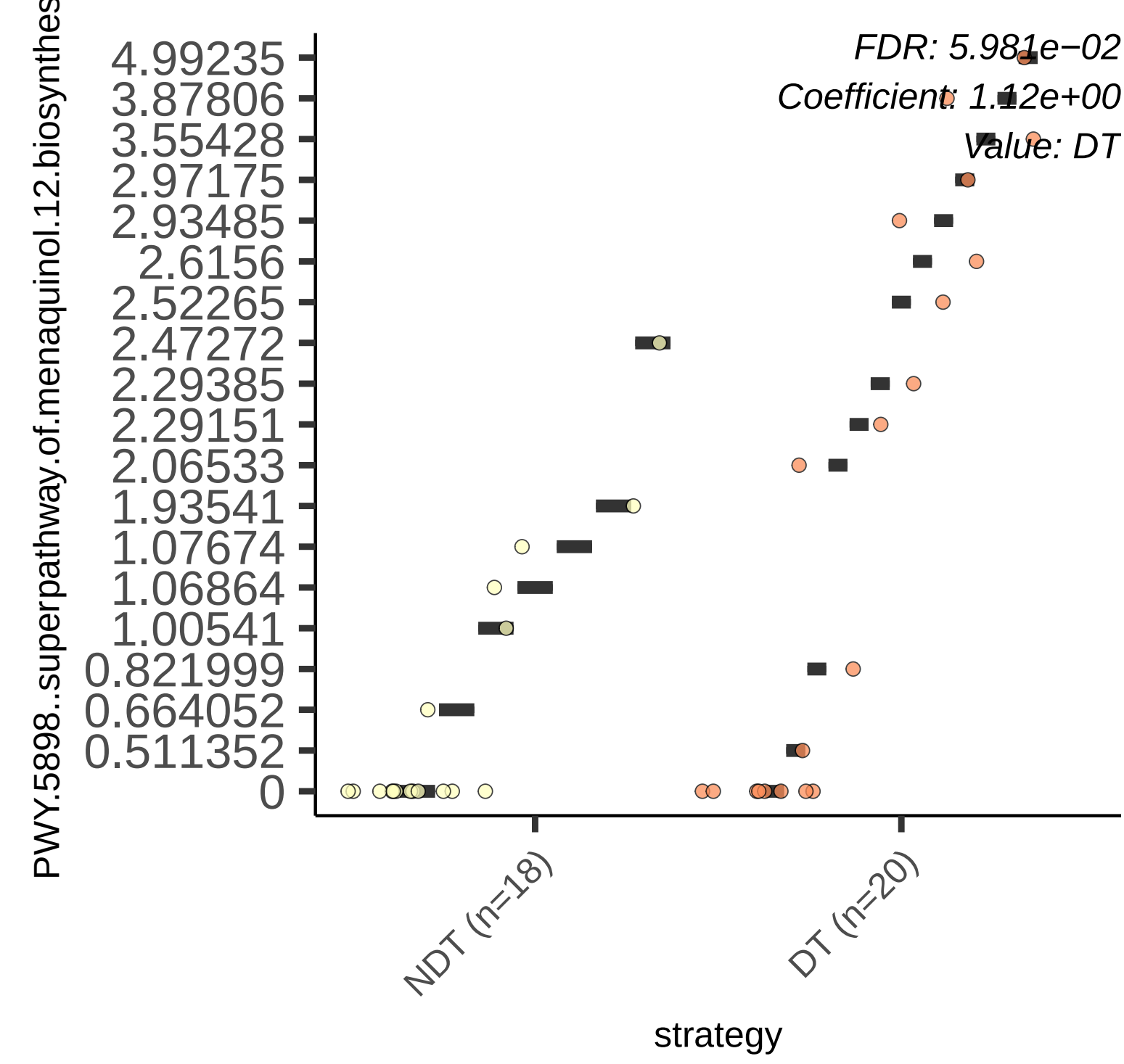
Value: DT
PWY5F9.12..biphenyl.degradation
2.0353
1.67215
1.48
1.0668
0.99714
0.99147
0.92316
0.90436
0.89517
0.86341
0.84826
0.81619
0.78047
0.76424
0.76406
0.73954
0.68710
0.64234
0.51996
0.51814
0.43445
0.41295
0.41253
0.35724
0.32245
0.25391
0.21412
0.09187
0
NDT (n=18)
DT (n=20)
strategy


FDR: 5.981e−02
Coefficient: 3.94e−01
Value: DT
PWY.5837..2.carboxy.1.4.naphthoquinol.biosynthesis
1.78871
1.3639
1.26693
1.06182
1.02121
0.908465
0.882414
0.87199
0.794449
0.79364
0.716608
0.674589
0.366308
0.362575
0.343919
0.279306
0.225642
0.17178
0
NDT (n=18)
DT (n=20)
strategy


FDR: 5.981e−02
Coefficient: 1.12e+00
Value: DT
PWY.5897..superpathway.of.menaquinol.11.biosynthesis
4.99235
3.87806
3.55428
2.97175
2.93485
2.6156
2.52265
2.47272
2.29385
2.29151
2.06533
1.93541
1.07674
1.06864
1.00541
0.821999
0.664052
0.511352
0
NDT (n=18)
DT (n=20)
strategy


FDR: 5.981e−02
Coefficient: 1.12e+00
Value: DT
PWY.5898..superpathway.of.menaquinol.12.biosynthesis
4.99235
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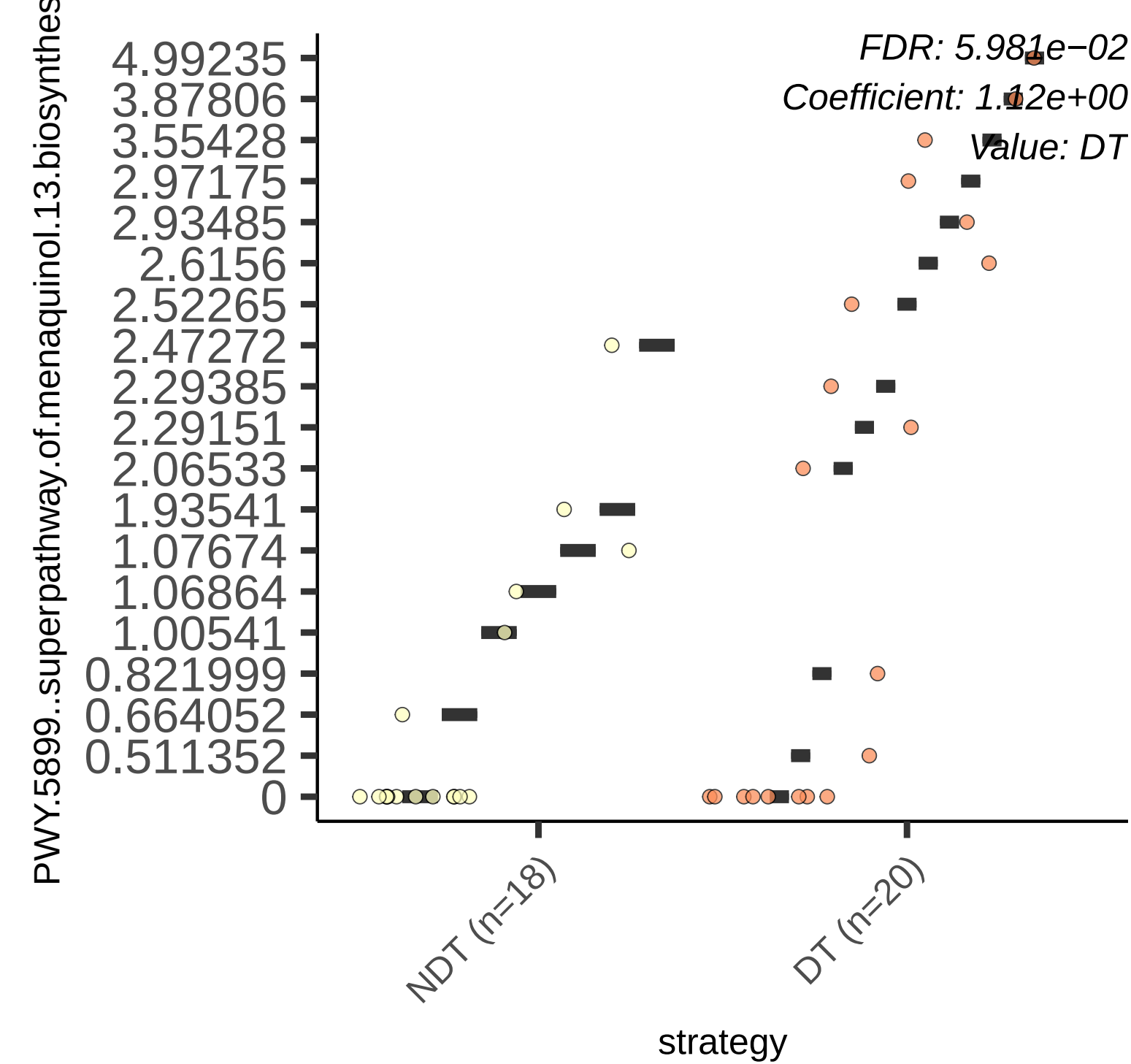
3.55428
2.97175
2.93485
2.6156
2.52265
2.47272
2.29385
2.29151
2.06533
1.93541
1.07674
1.06864
1.00541
0.821999
0.664052
0.511352
0
NDT (n=18)
DT (n=20)
strategy


FDR: 5.981e−02
Coefficient: 1.12e+00
Value: DT
PWY.5899..superpathway.of.menaquinol.13.biosynthesis
4.99235
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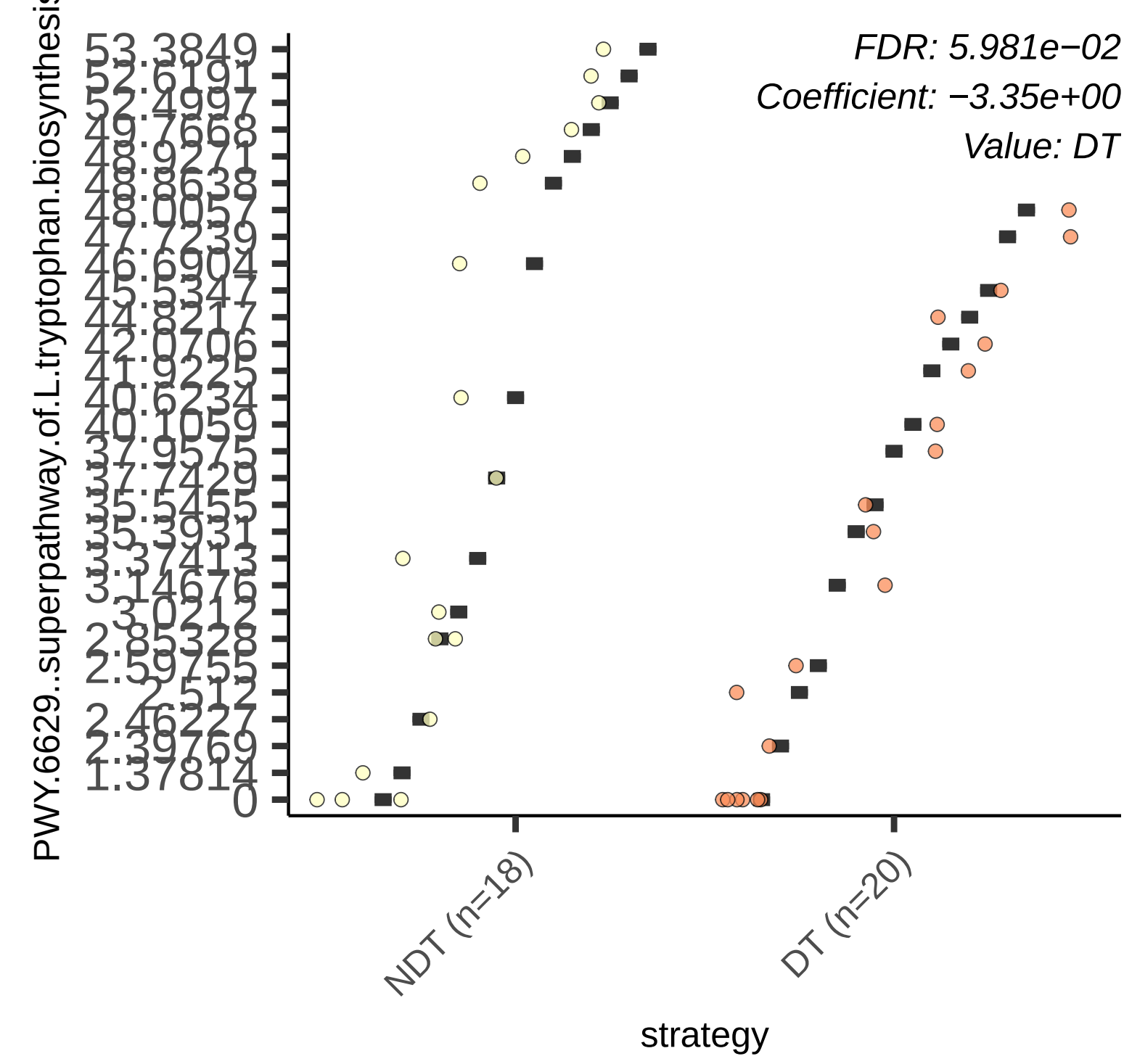
2.93485
2.6156
2.52265
2.47272
2.29385
2.29151
2.06533
1.93541
1.07674
1.06864
1.00541
0.821999
0.664052
0.511352
0
NDT (n=18)
DT (n=20)
strategy


FDR: 5.981e−02
Coefficient: −3.35e+00
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PWY.6629..superpathway.of.L.tryptophan.biosynthesis
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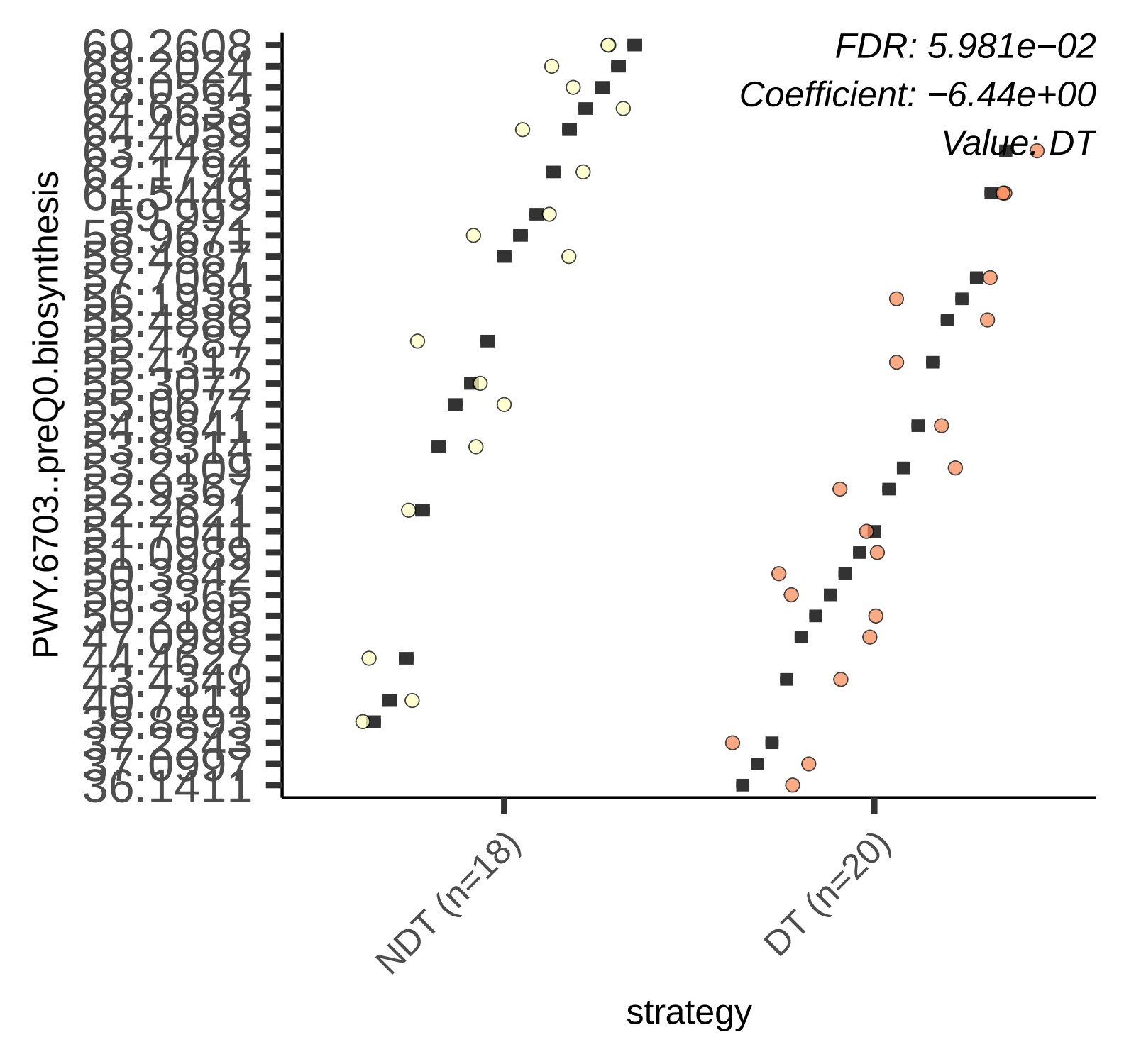
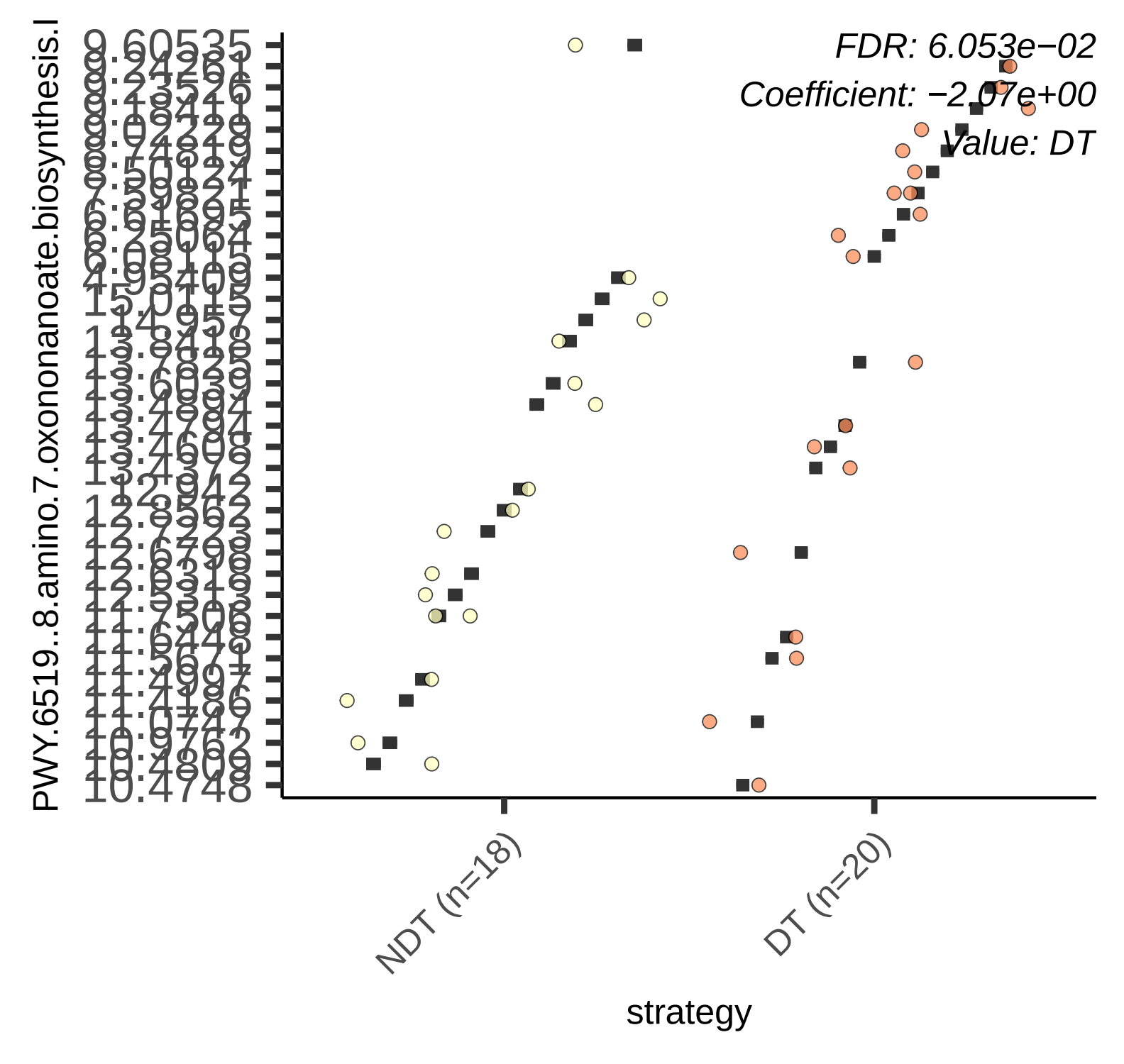
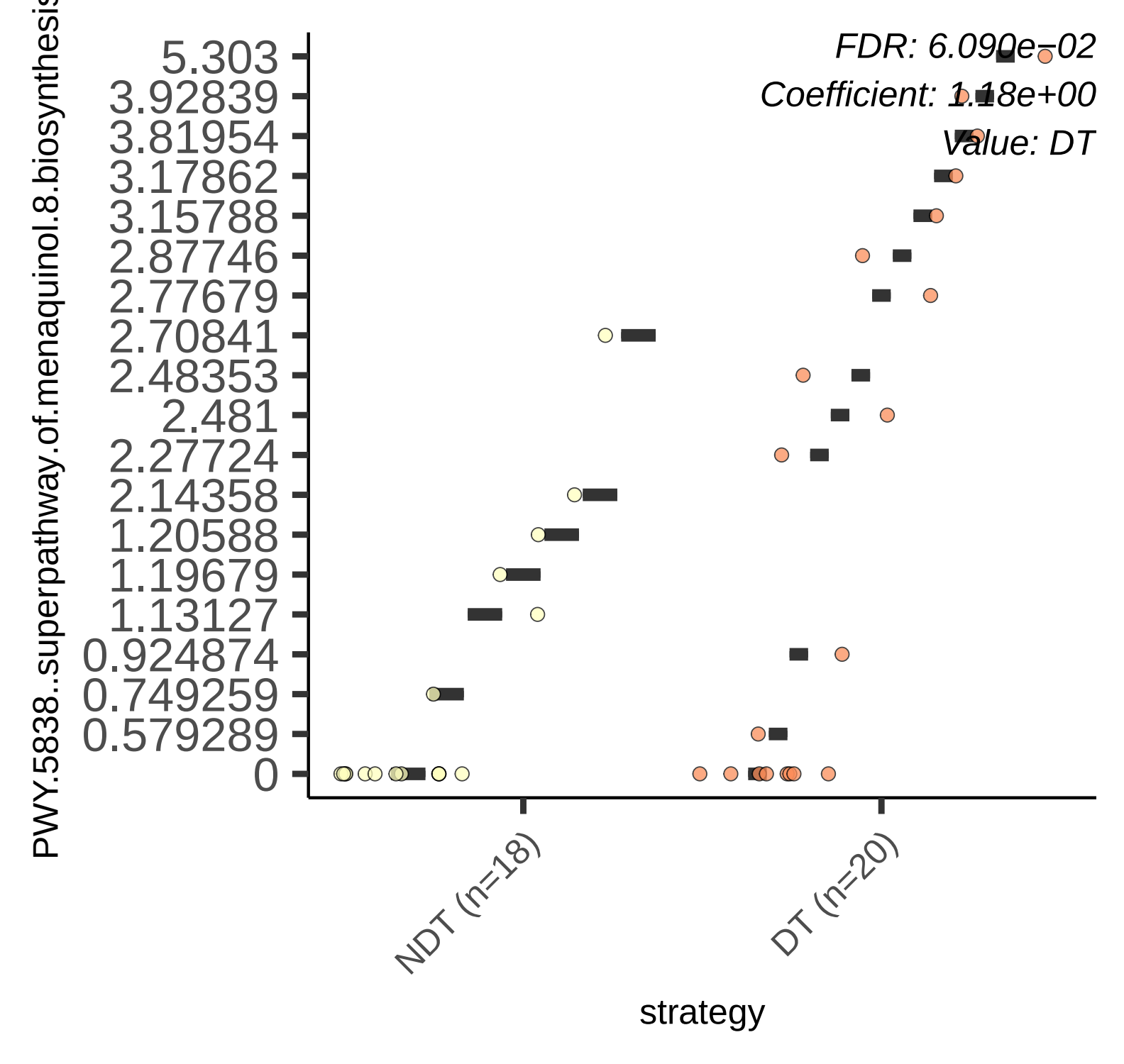
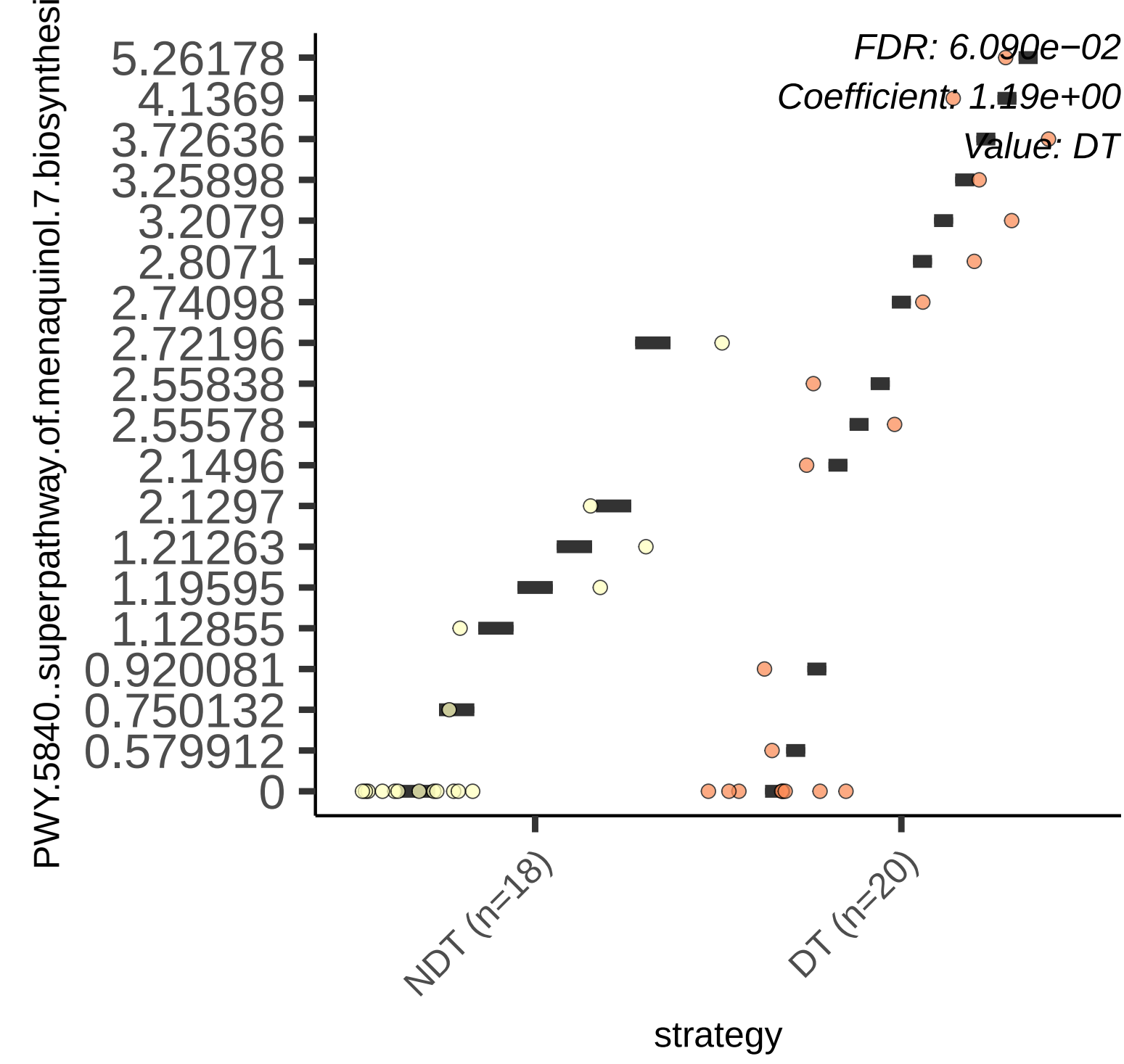
NDT (n=18)
DT (n=20)
strategy

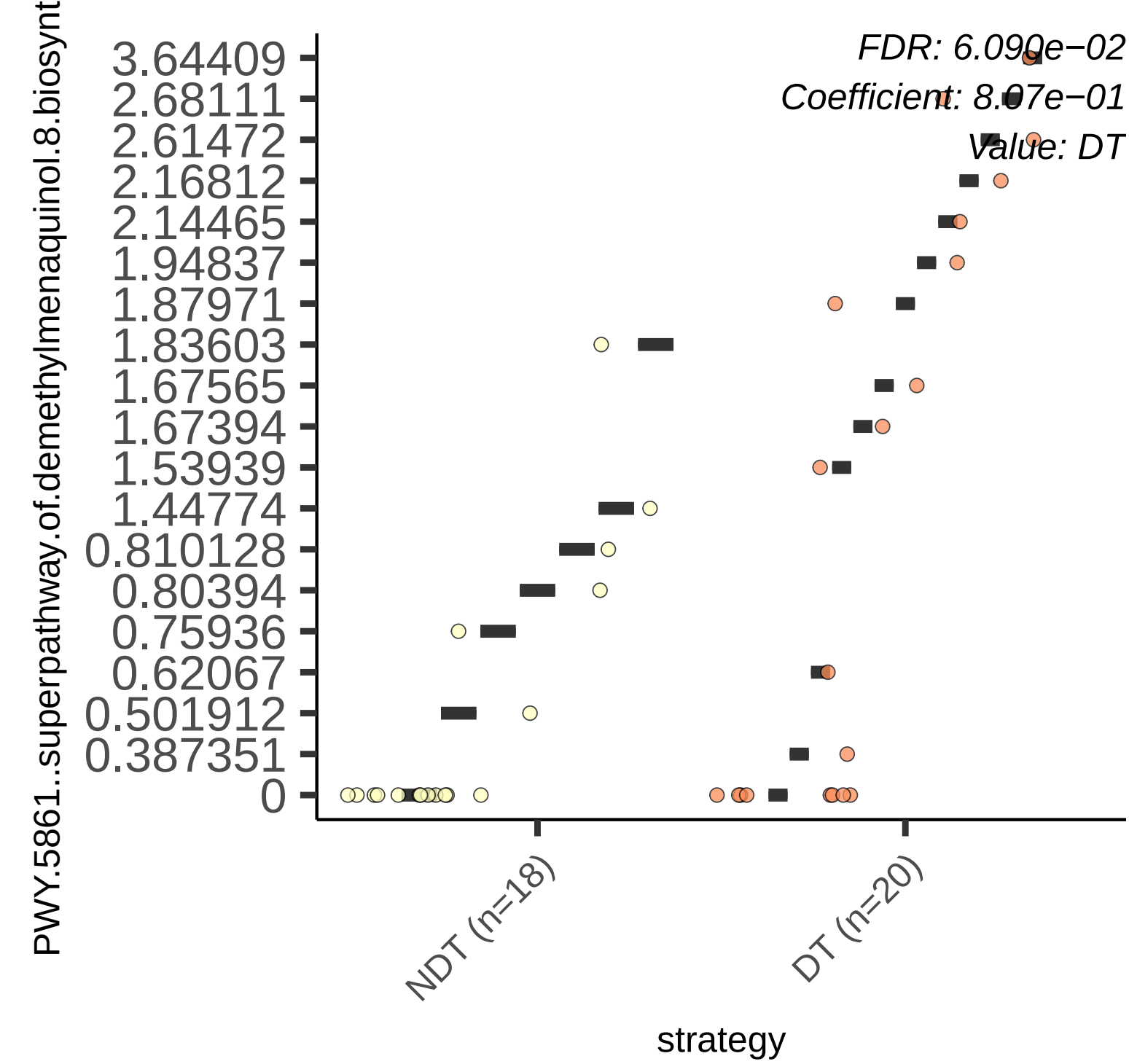

FDR: 5.981e−02
Coefficient: −6.44e+00
Value: DT
PWY.6703..preQ0.biosynthesis
NDT (n=18)
DT (n=20)
strategy

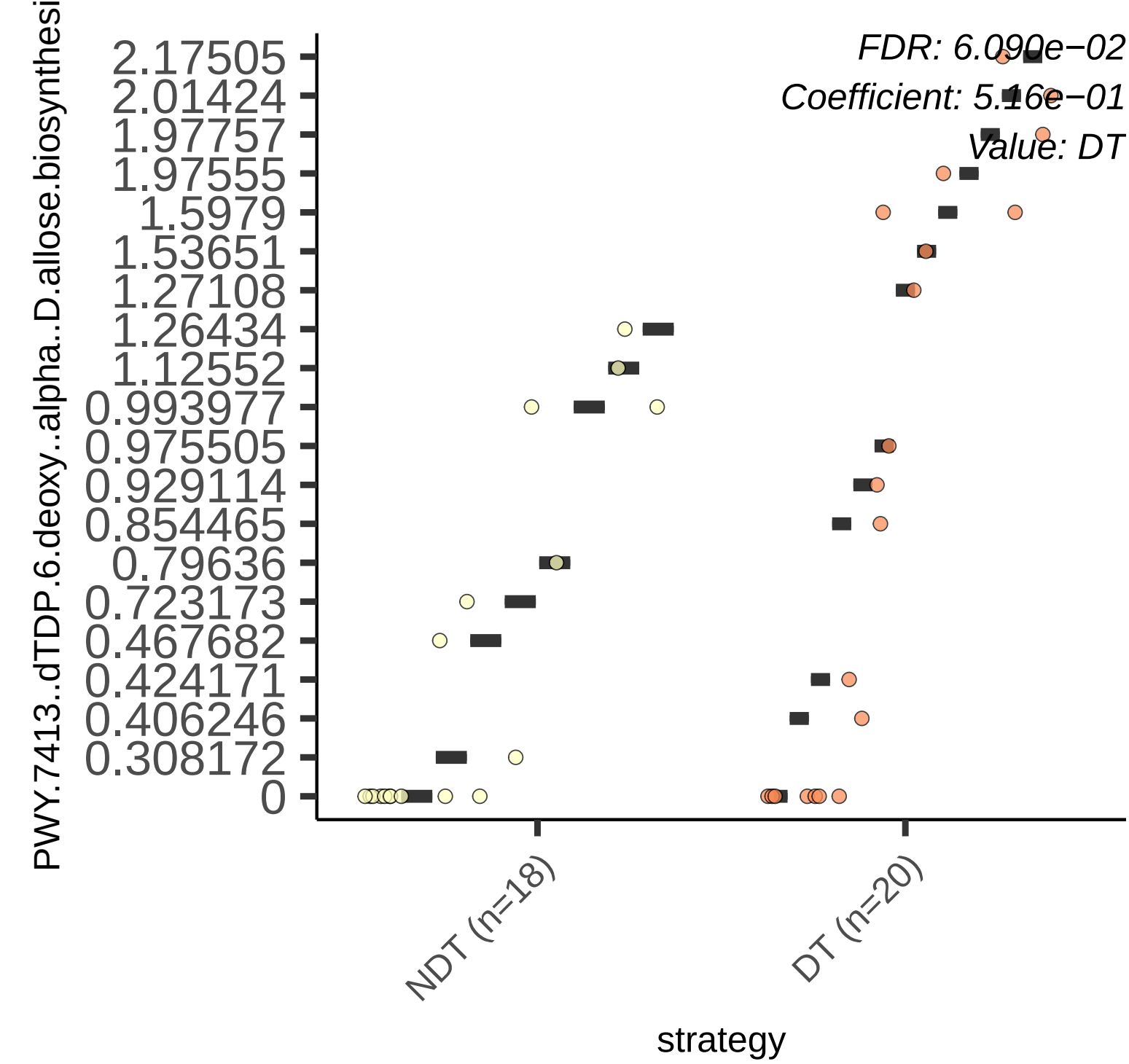
FDR: 5.981e−02
Coefficient: −2.40e+00
Value: DT
PWY.7992..superpathway.of.menaquinol.8.biosynthesis
NDT (n=18)
DT (n=20)
strategy

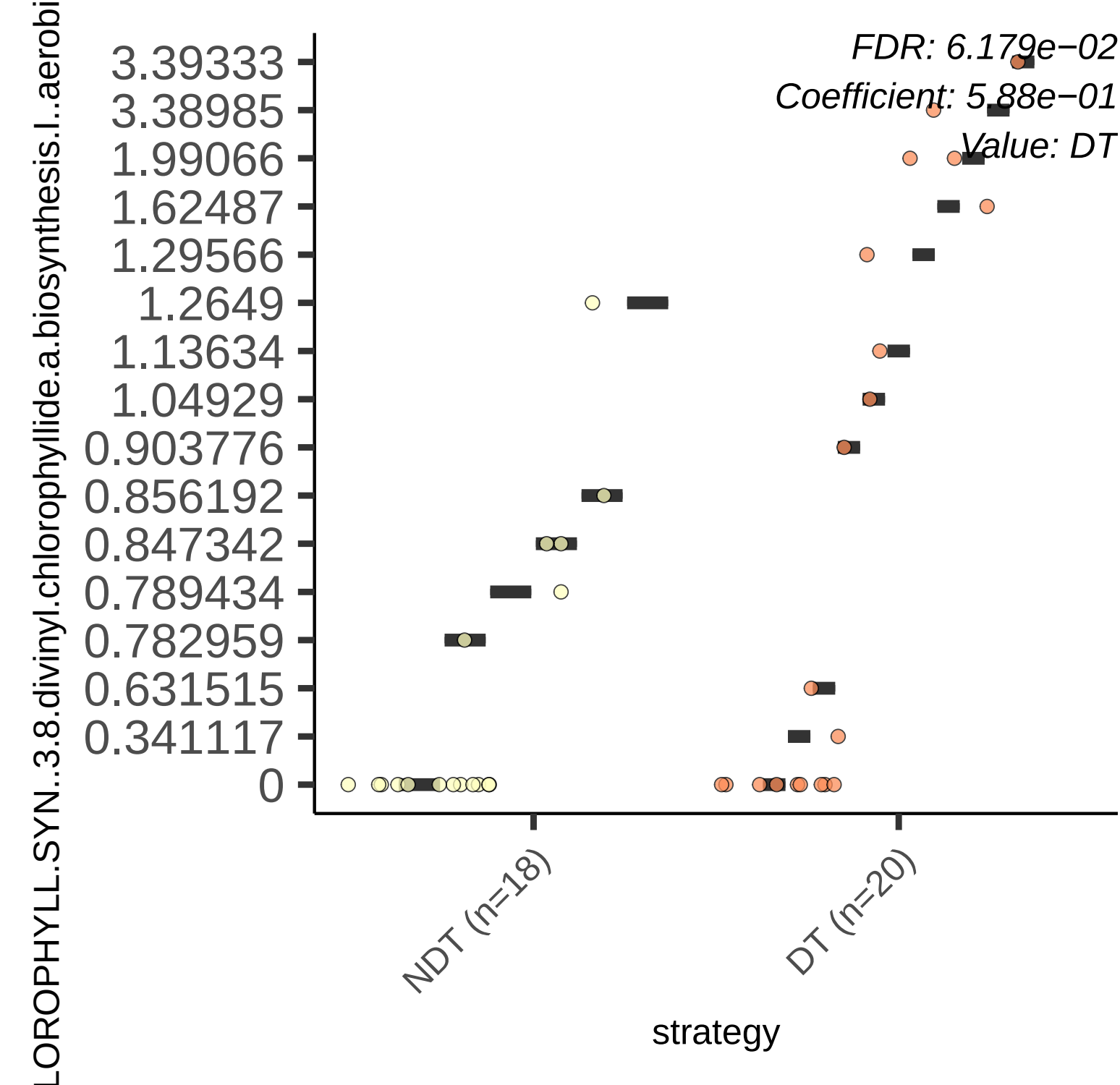

FDR: 6.053e−02
Coefficient: −2.07e+00
Value: DT
PWY.6519..8.amino.7.oxononanoate.biosynthesis.I
NDT (n=18)
DT (n=20)
strategy

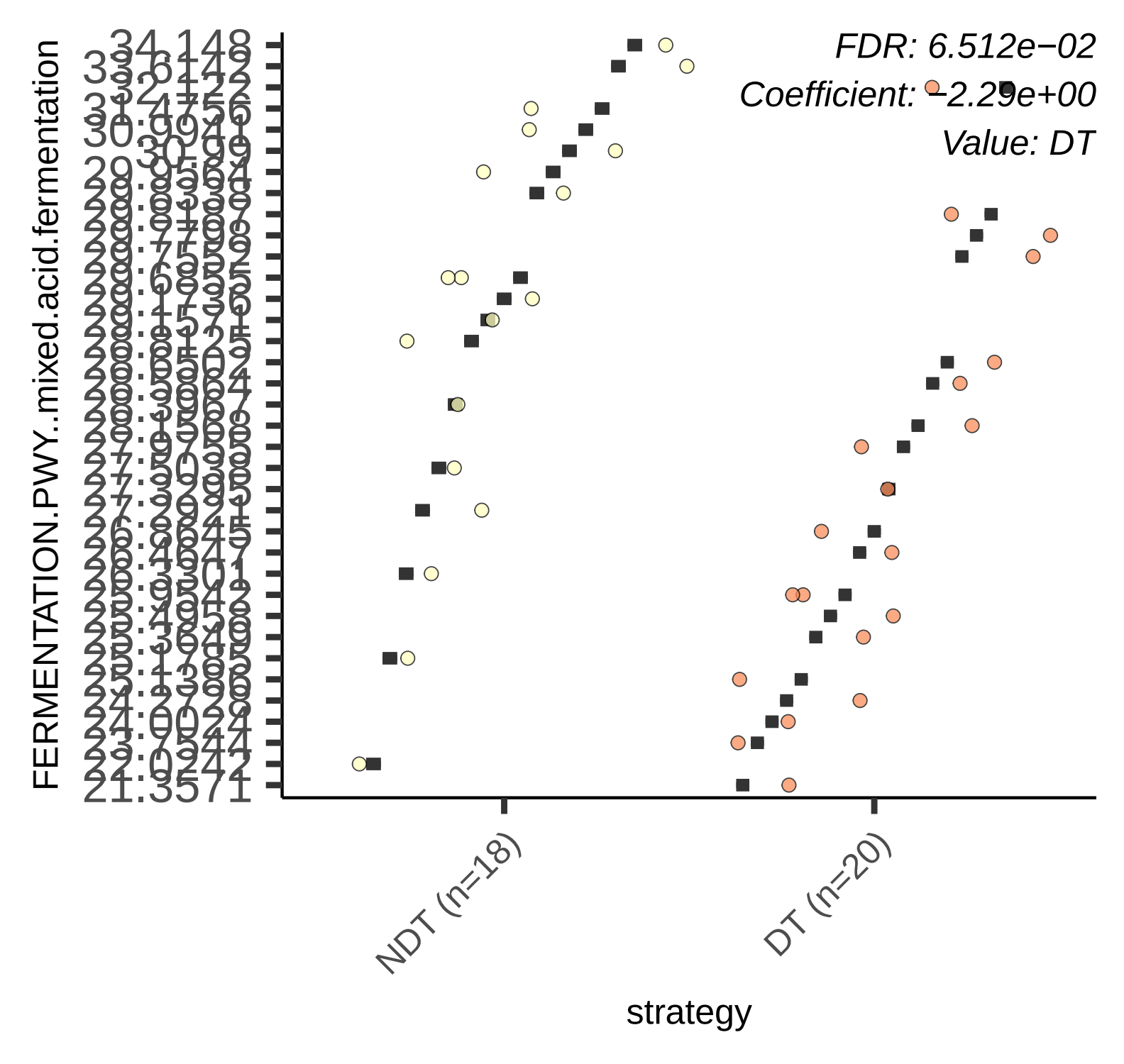

FDR: 6.090e−02
Coefficient: 1.18e+00
Value: DT
PWY.5838..superpathway.of.menaquinol.8.biosynthesis
5.303
3.92839
3.81954
3.17862
3.15788
2.87746
2.77679
2.70841
2.48353
2.481
2.27724
2.14358
1.20588
1.19679
1.13127
0.924874
0.749259
0.579289
0
NDT (n=18)
DT (n=20)
strategy

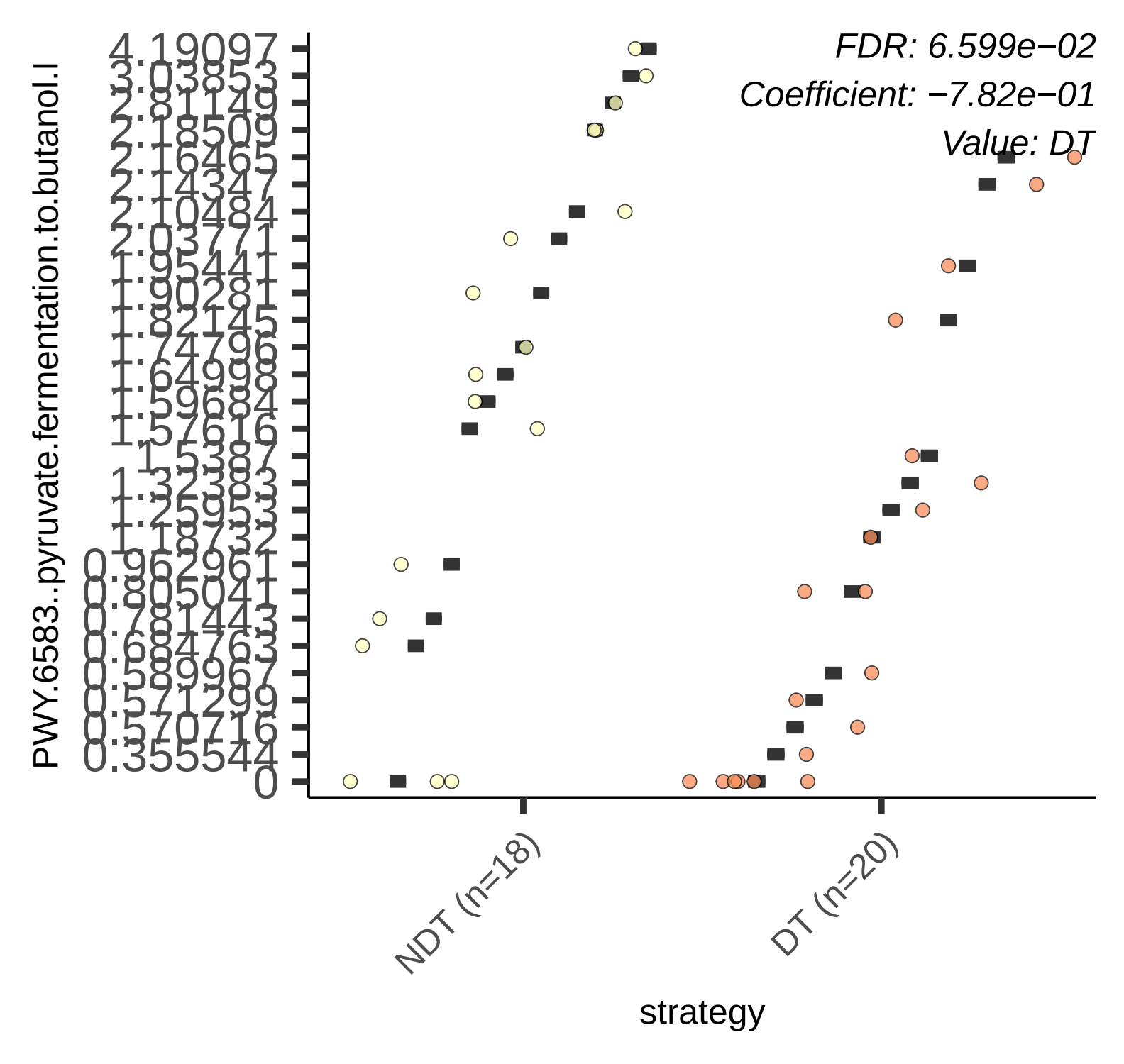

FDR: 6.090e−02
Coefficient: 1.19e+00
Value: DT
PWY.5840..superpathway.of.menaquinol.7.biosynthesis
5.26178
4.1369
3.72636
3.25898
3.2079
2.8071
2.74098
2.72196
2.55838
2.55578
2.1496
2.1297
1.21263
1.19595
1.12855
0.920081
0.750132
0.579912
0
NDT (n=18)
DT (n=20)
strategy


FDR: 6.090e−02
Coefficient: 8.07e−01
Value: DT
PWY.5861..superpathway.of.demethylmenaquinol.8.biosynt
3.64409
2.68111
2.61472
2.16812
2.14465
1.94837
1.87971
1.83603
1.67565
1.67394
1.53939
1.44774
0.810128
0.80394
0.75936
0.62067
0.501912
0.387351
0
NDT (n=18)
DT (n=20)
strategy


FDR: 6.090e−02
Coefficient: 5.16e−01
Value: DT
PWY.7413..dTDP.6.deoxy..alpha..D.allose.biosynthesi
2.17505
2.01424
1.97757
1.97555
1.5979
1.53651
1.27108
1.26434
1.12552
0.993977
0.975505
0.929114
0.854465
0.79636
0.723173
0.467682
0.424171
0.406246
0.308172
0
NDT (n=18)
DT (n=20)
strategy


FDR: 6.179e−02
Coefficient: 5.88e−01
Value: DT
3.39333
3.38985
1.99066
1.62487
1.29566
1.2649
1.13634
1.04929
0.903776
0.856192
0.847342
0.789434
0.782959
0.631515
0.341117
0
NDT (n=18)
DT (n=20)
strategy
LOROPHYLL.SYN..3.8.divinyl.chlorophyllide.a.biosynthesis.I..aerobi


FDR: 6.512e−02
Coefficient: −2.29e+00
Value: DT
FERMENTATION.PWY..mixed.acid.fermentation
NDT (n=18)
DT (n=20)
strategy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Coefficient: −7.82e−01
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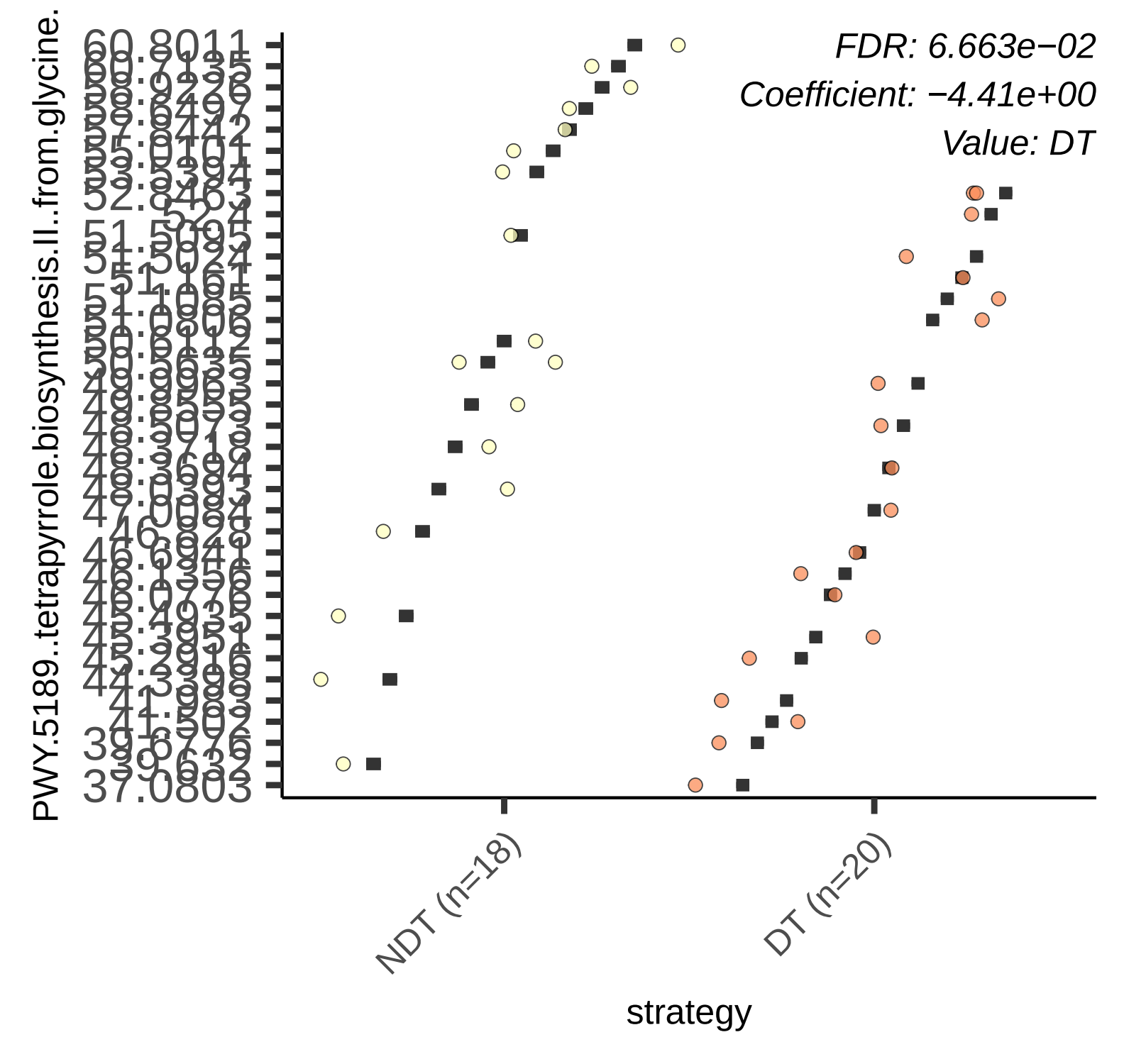
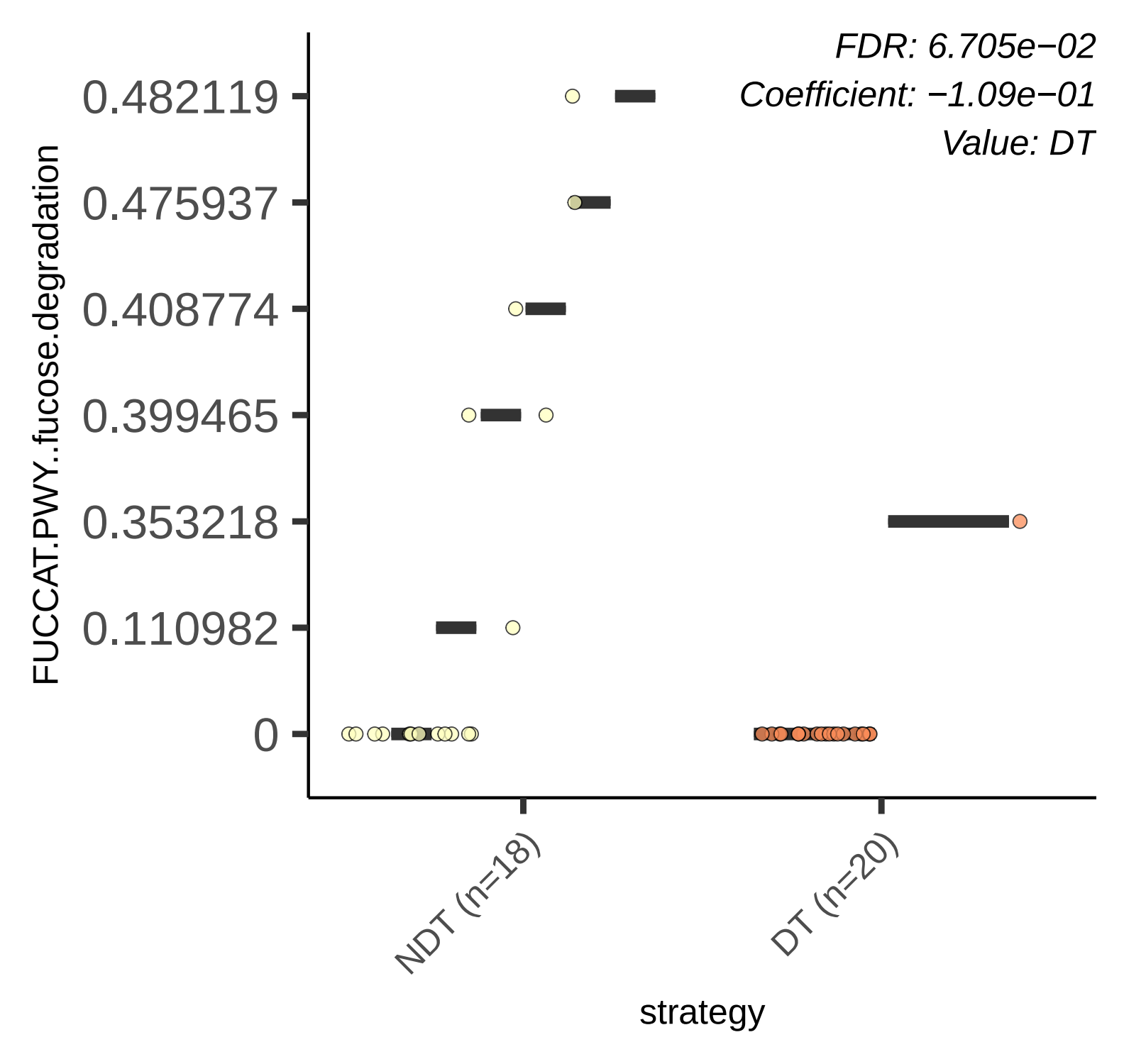
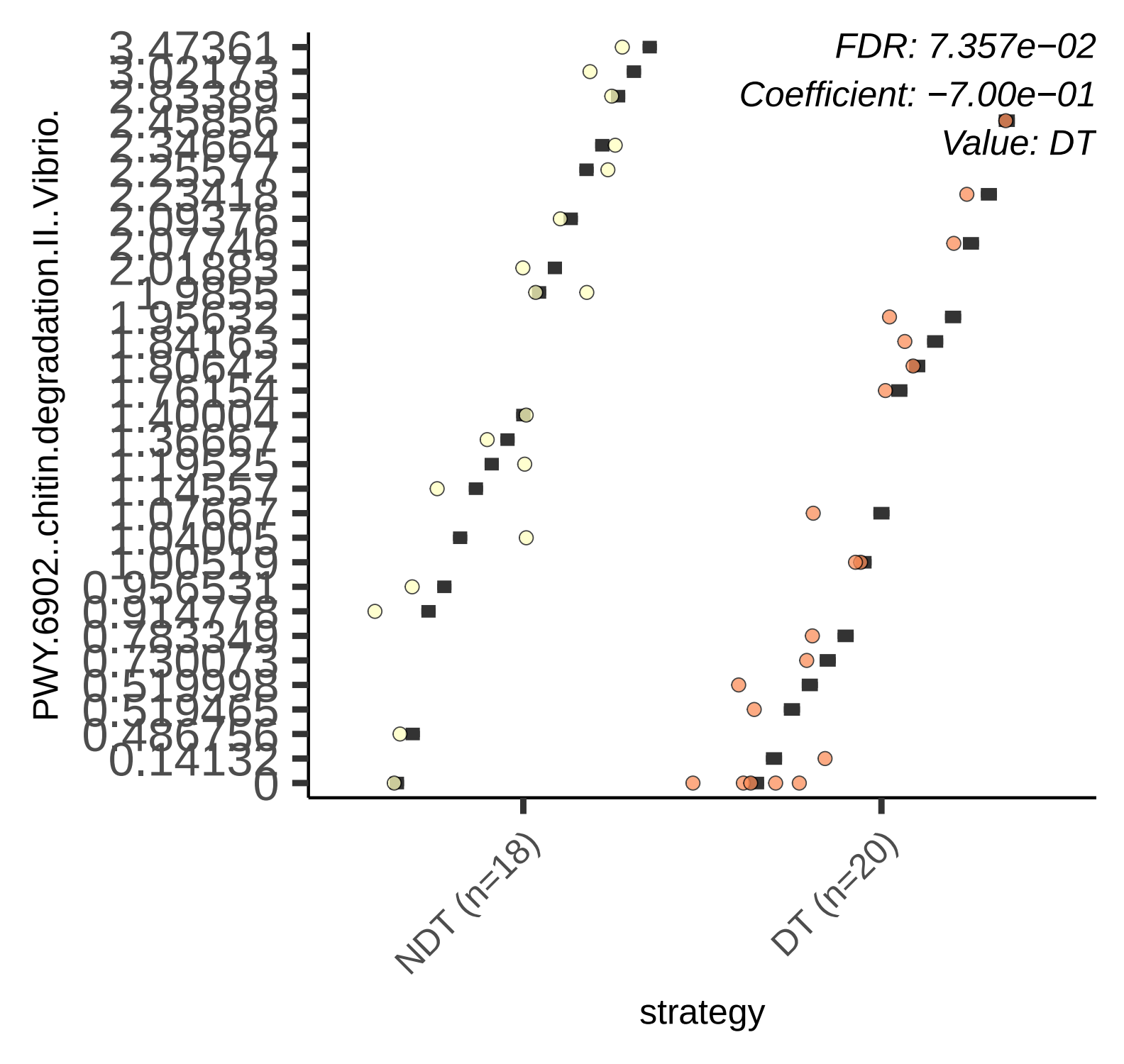
PWY.6583..pyruvate.fermentation.to.butanol.I
4.19097
0.355544
0
NDT (n=18)
DT (n=20)
strategy


FDR: 6.663e−02
Coefficient: −4.41e+00
Value: DT
PWY.5189..tetrapyrrole.biosynthesis.II..from.glycine.
NDT (n=18)
DT (n=20)
strategy


FDR: 6.705e−02
Coefficient: −1.09e−01
Value: DT
FUCCAT.PWY..fucose.degradation
0.482119
0.475937
0.408774
0.399465
0.353218
0.110982
0
NDT (n=18)
DT (n=20)
strategy

UDPNAGSYN.PWY..UDP.N.acetyl.D.glucosamine.biosynth
FDR: 7.015e−02
Coefficient: −5.59e+00
Value: DT
NDT (n=18)
DT (n=20)
strategy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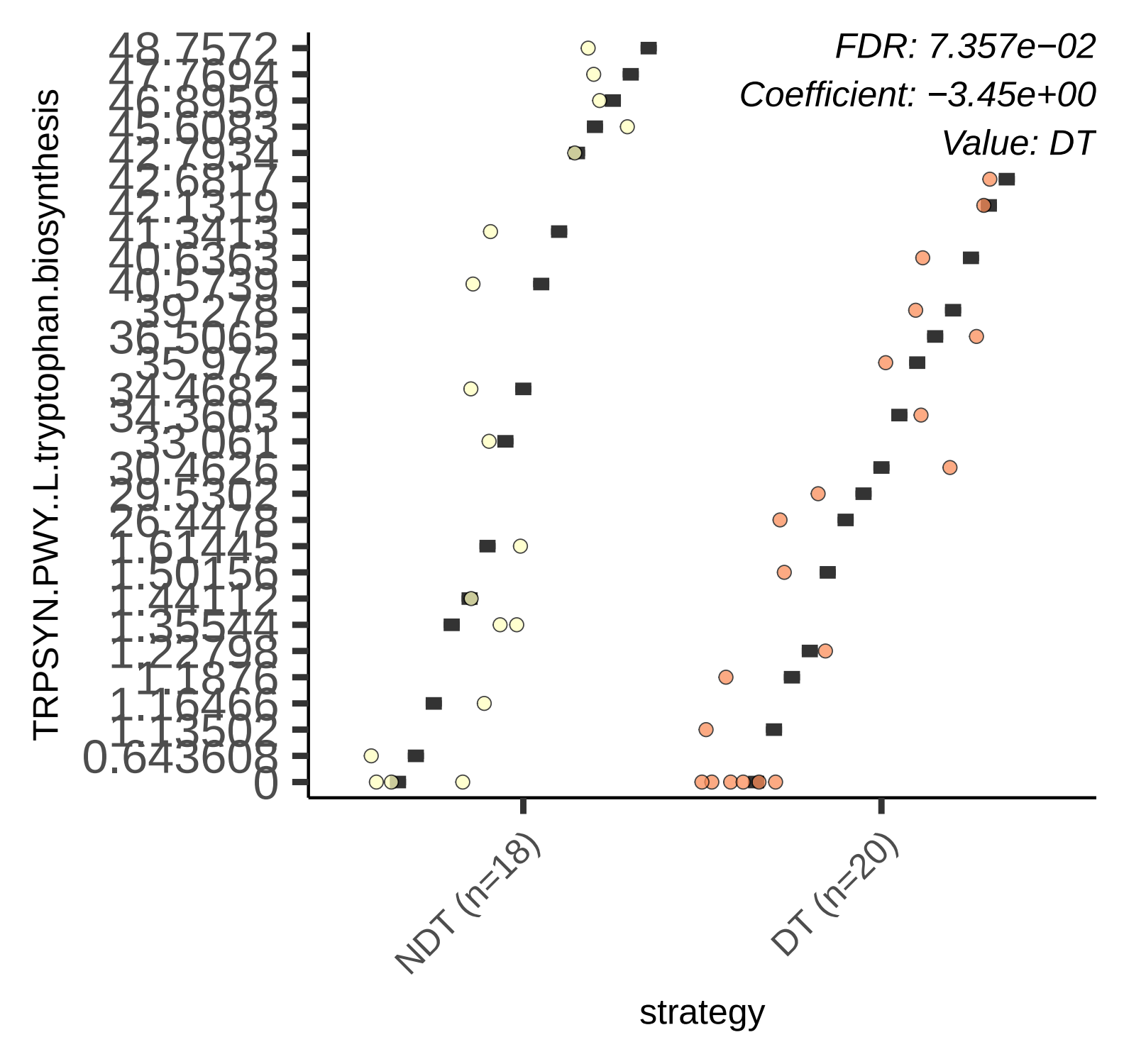
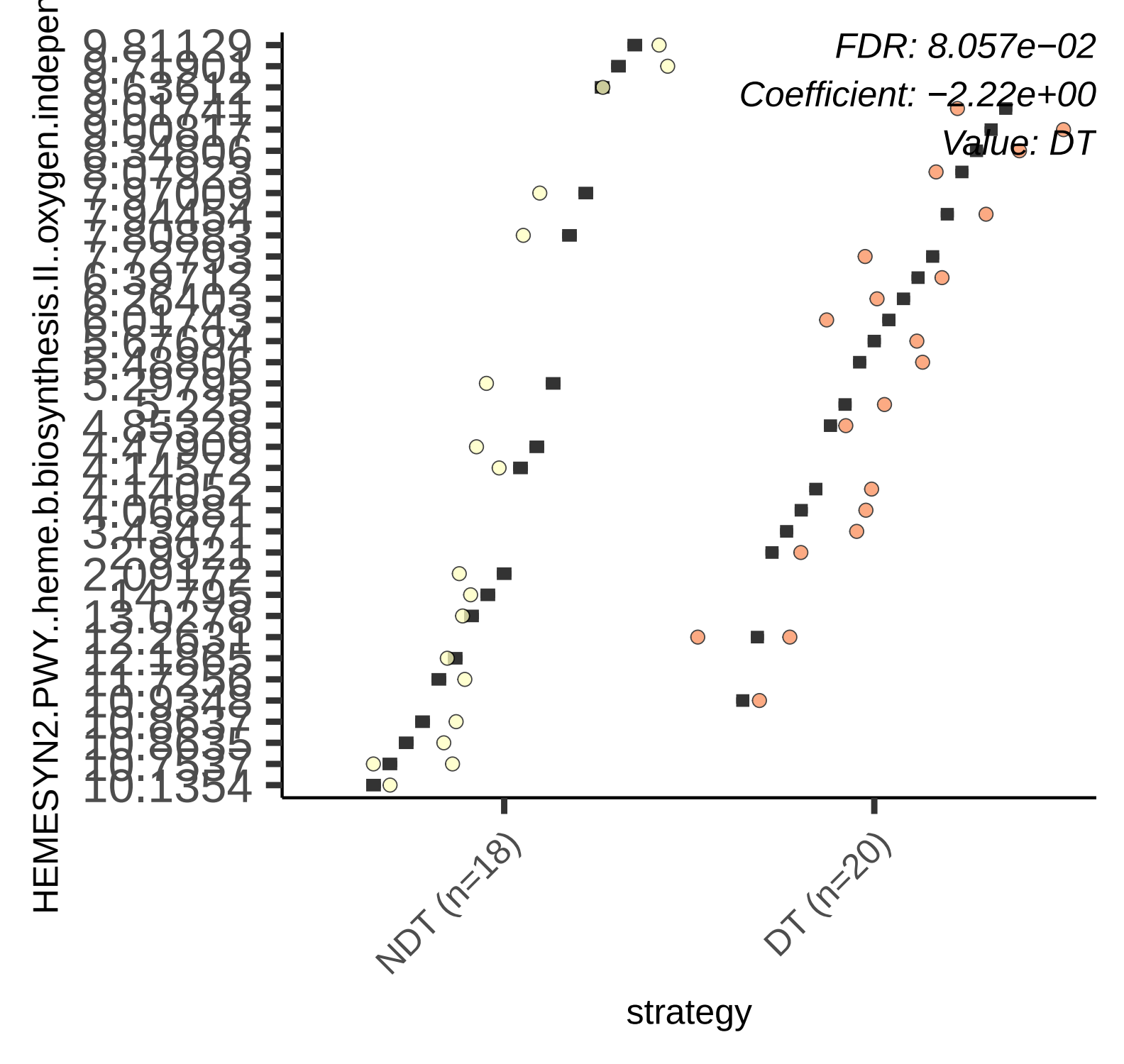
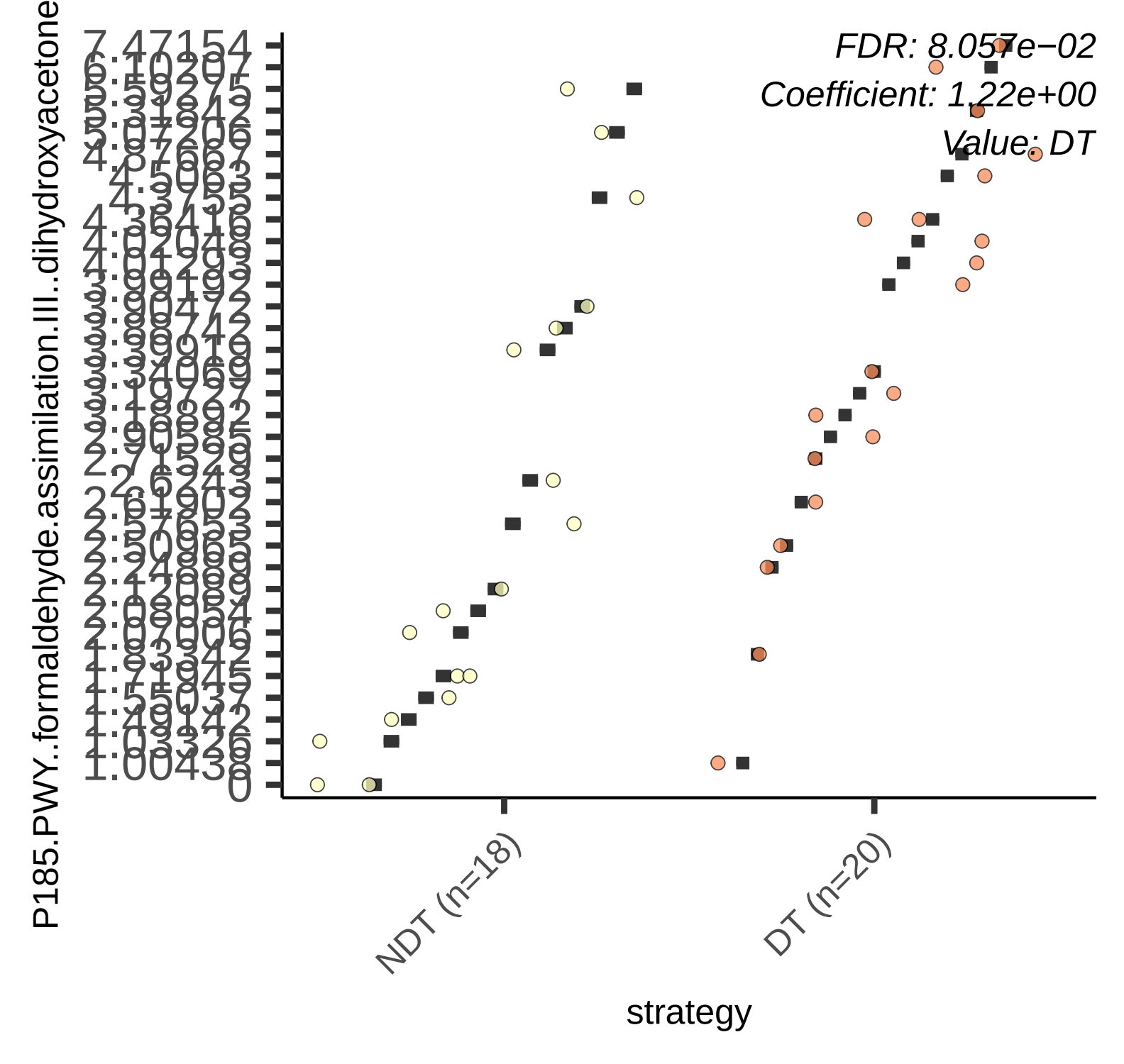
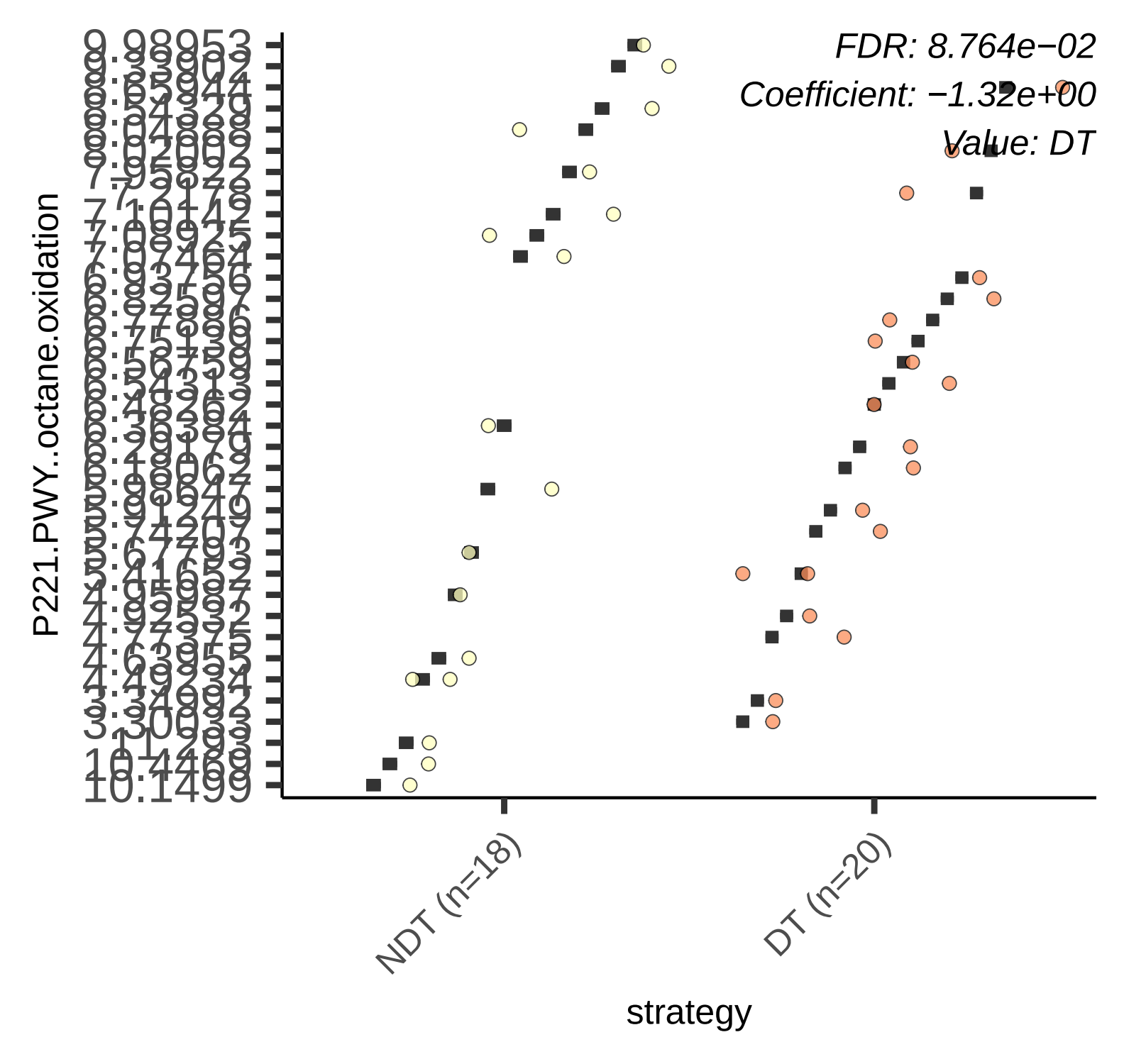
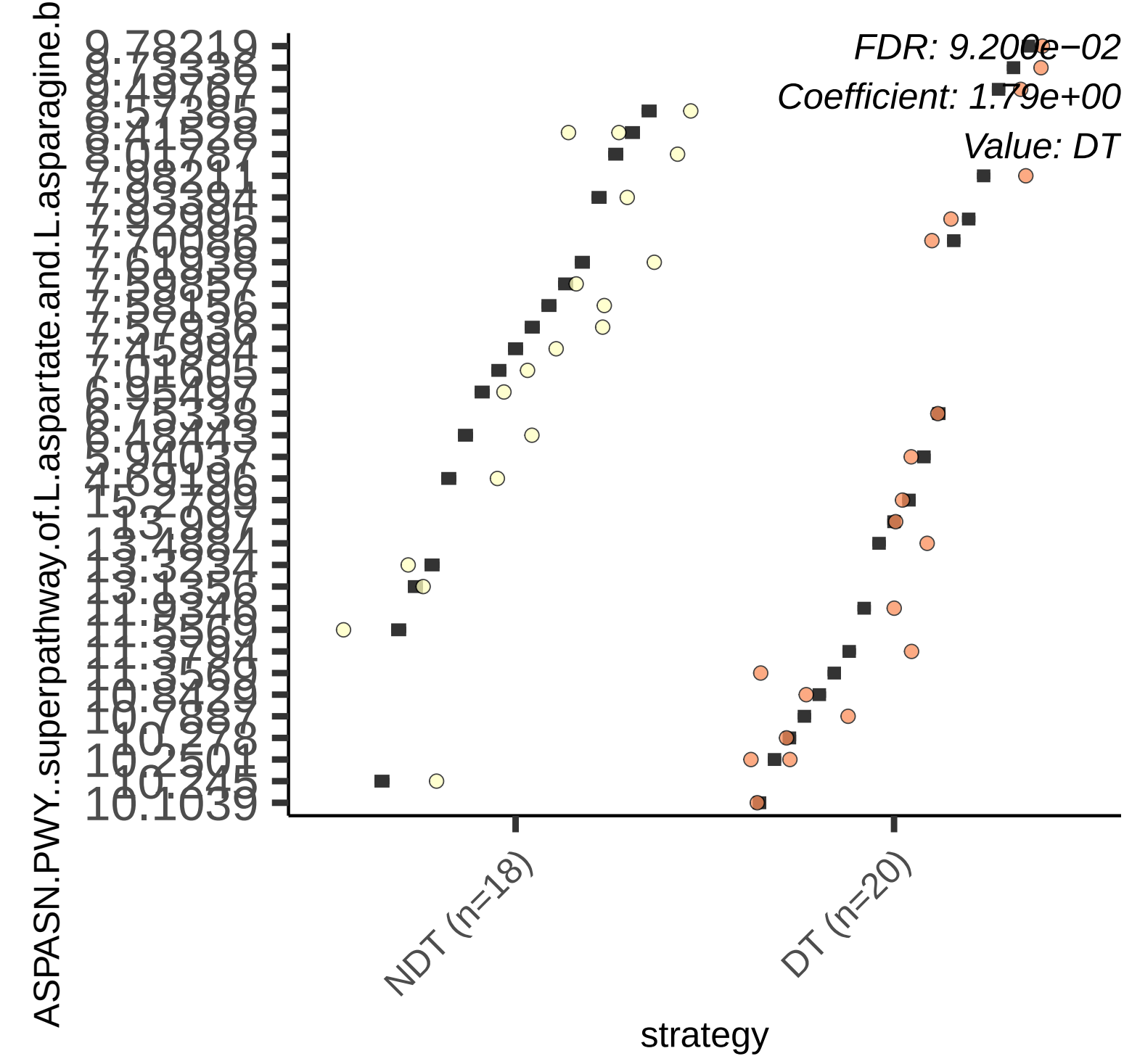
Coefficient: −7.00e−01
Value: DT
PWY.6902..chitin.degradation.II..Vibrio.
3.47361
0.14132
0
NDT (n=18)
DT (n=20)
strategy

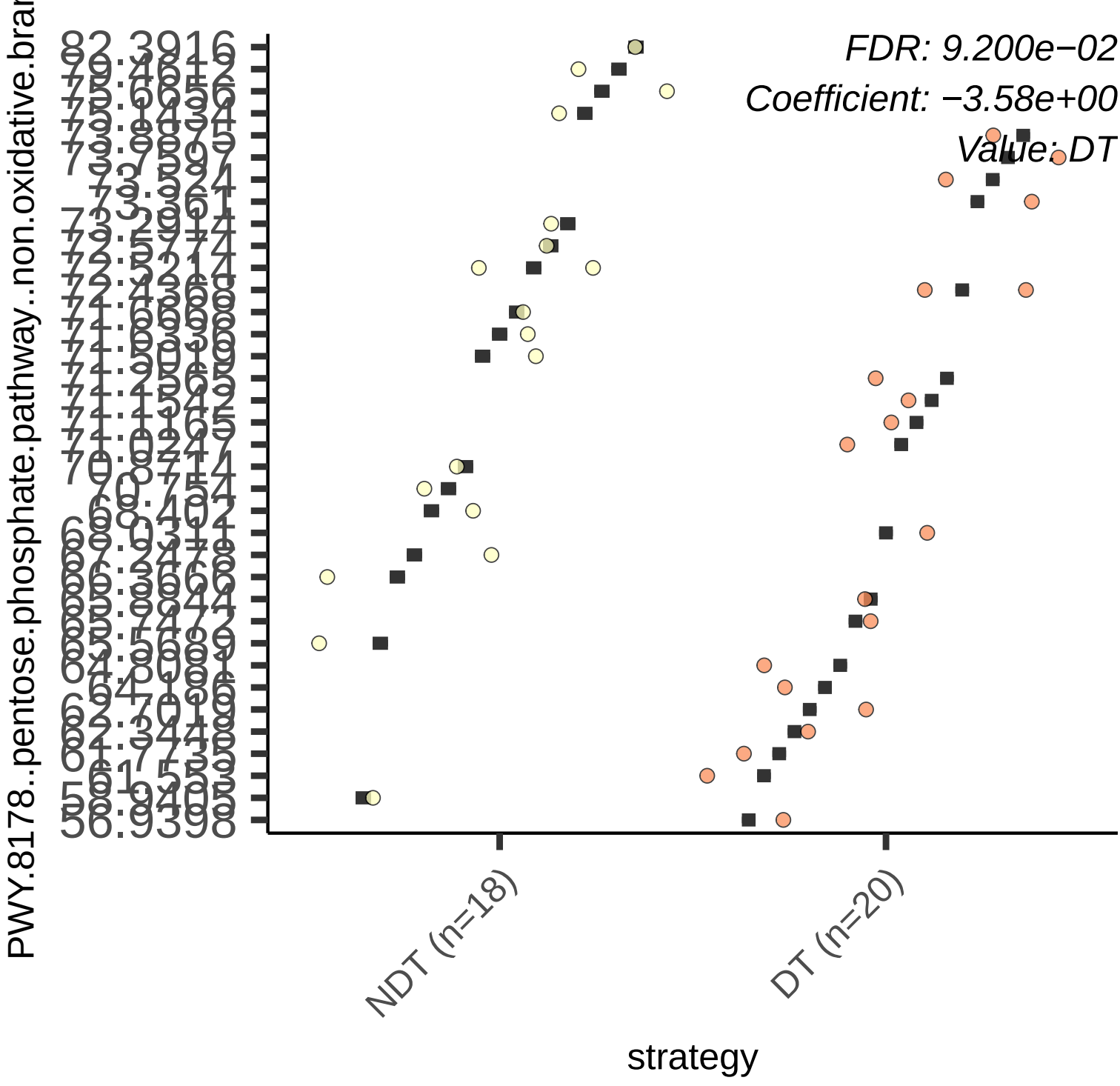

FDR: 7.357e−02
Coefficient: −3.45e+00
Value: DT
TRPSYN.PWY..L.tryptophan.biosynthesis
NDT (n=18)
DT (n=20)
strategy

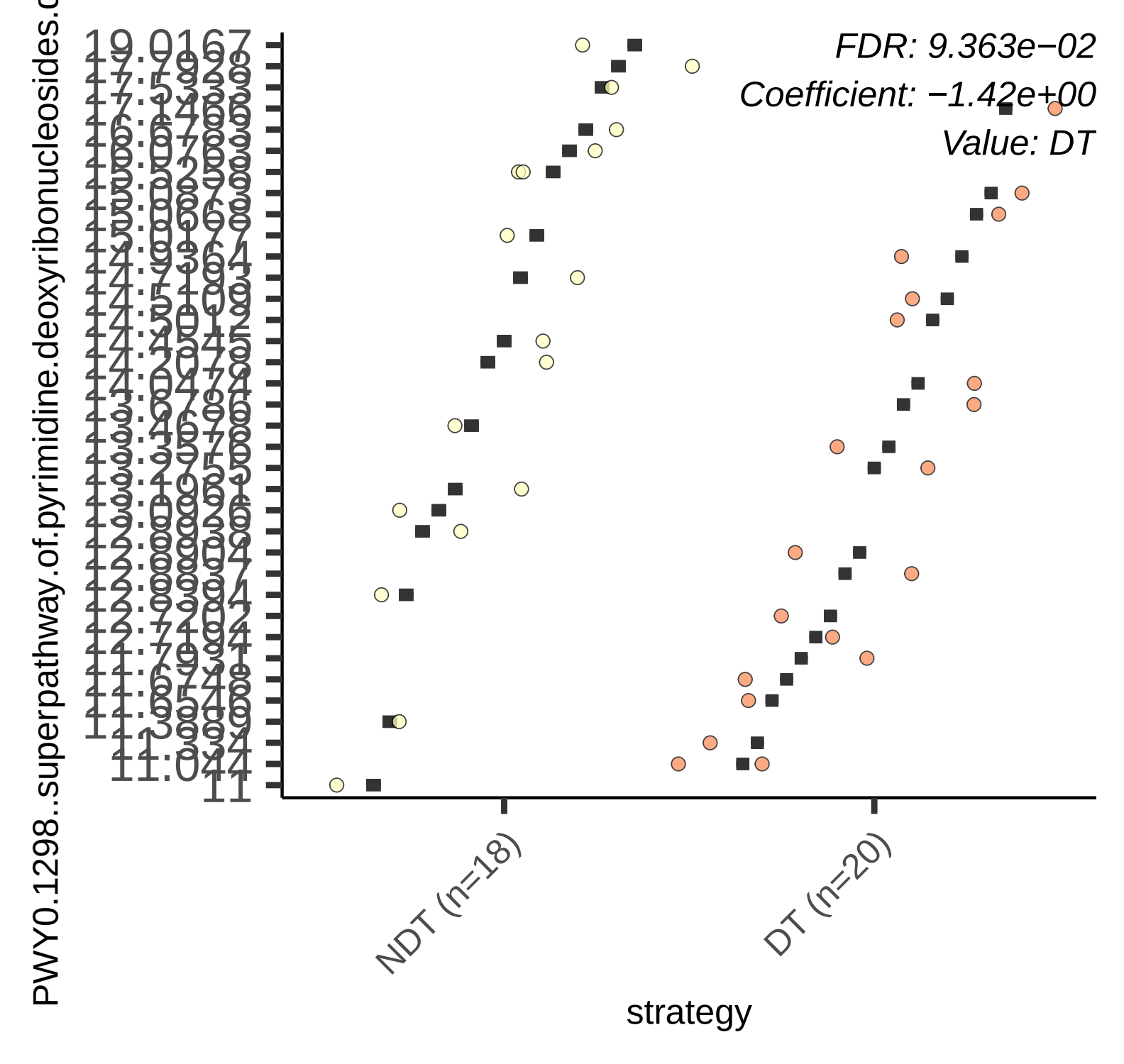

FDR: 8.057e−02
Coefficient: −2.22e+00
Value: DT
HEMESYN2.PWY..heme.b.biosynthesis.II..oxygen.independent.
NDT (n=18)
DT (n=20)
strategy


FDR: 8.057e−02
Coefficient: 1.22e+00
Value: DT
P185.PWY..formaldehyde.assimilation.III..dihydroxyacetone
NDT (n=18)
DT (n=20)
strategy


FDR: 8.764e−02
Coefficient: −1.32e+00
Value: DT
P221.PWY..octane.oxidation
NDT (n=18)
DT (n=20)
strategy


FDR: 9.200e−02
Coefficient: 1.79e+00
Value: DT
ASPASN.PWY..superpathway.of.L.aspartate.and.L.asparagine.b
NDT (n=18)
DT (n=20)
strategy


FDR: 9.200e−02
Coefficient: −3.58e+00
Value: DT
PWY.8178..pentose.phosphate.pathway..non.oxidative.bran
NDT (n=18)
DT (n=20)
strategy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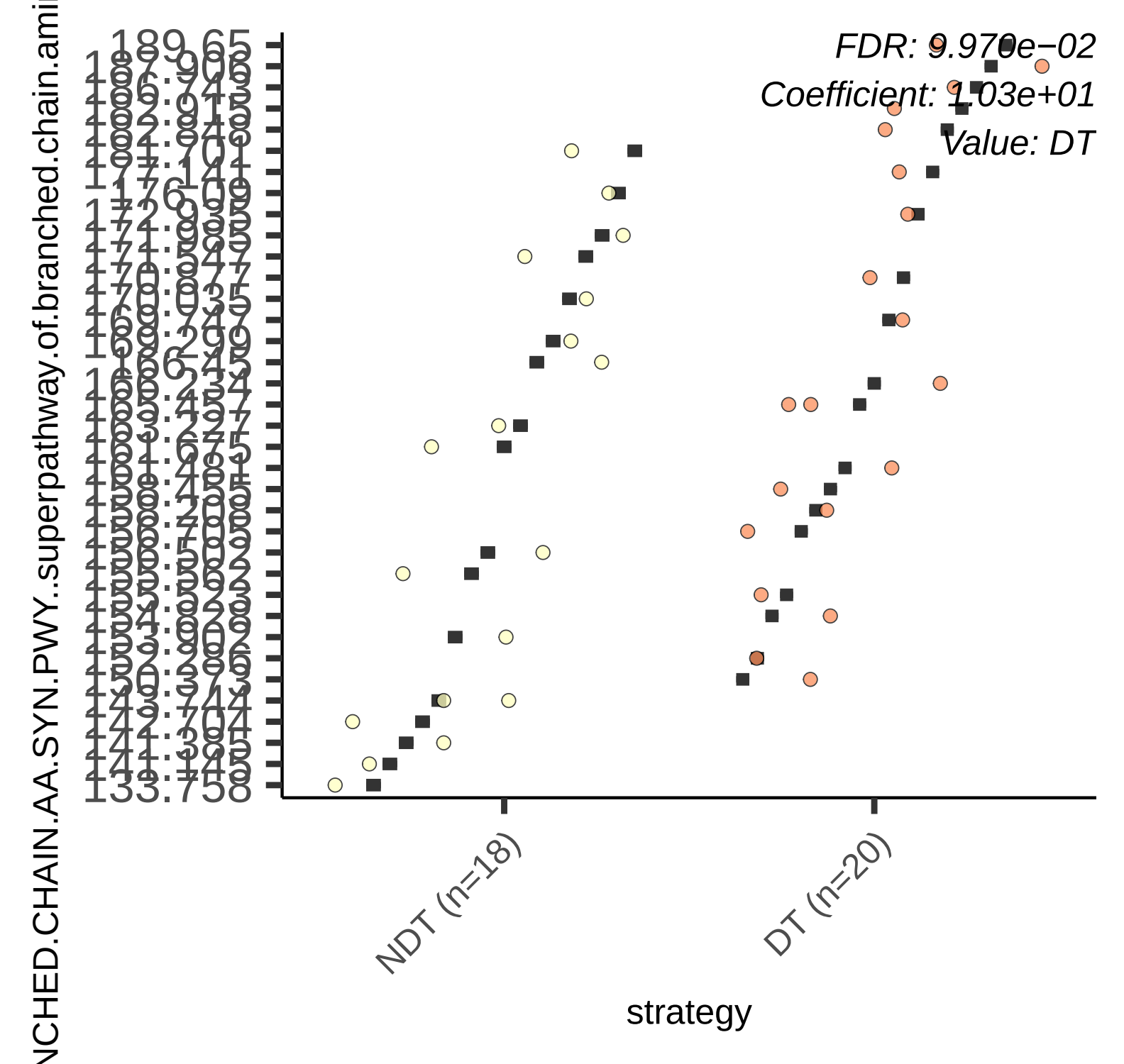
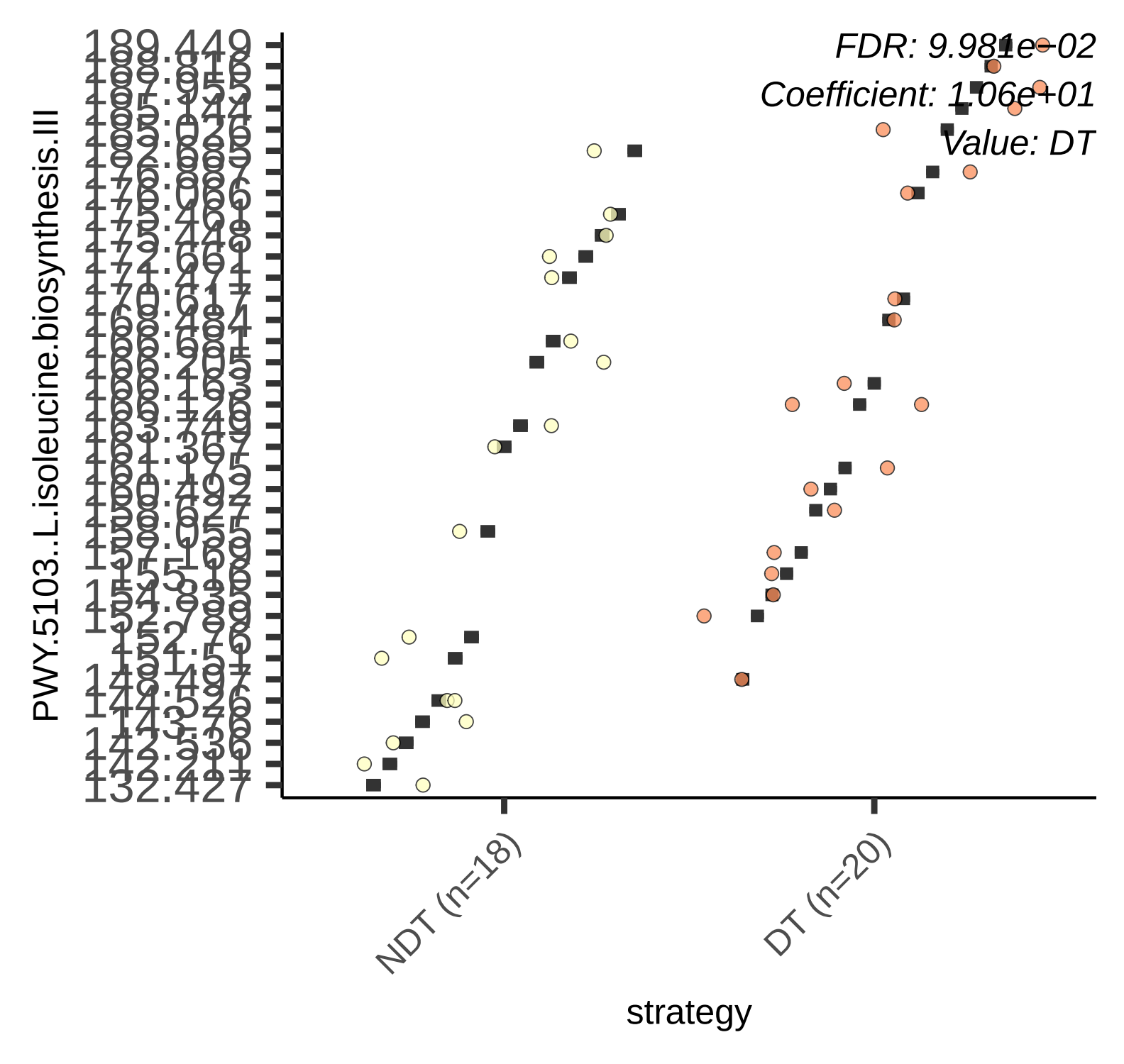
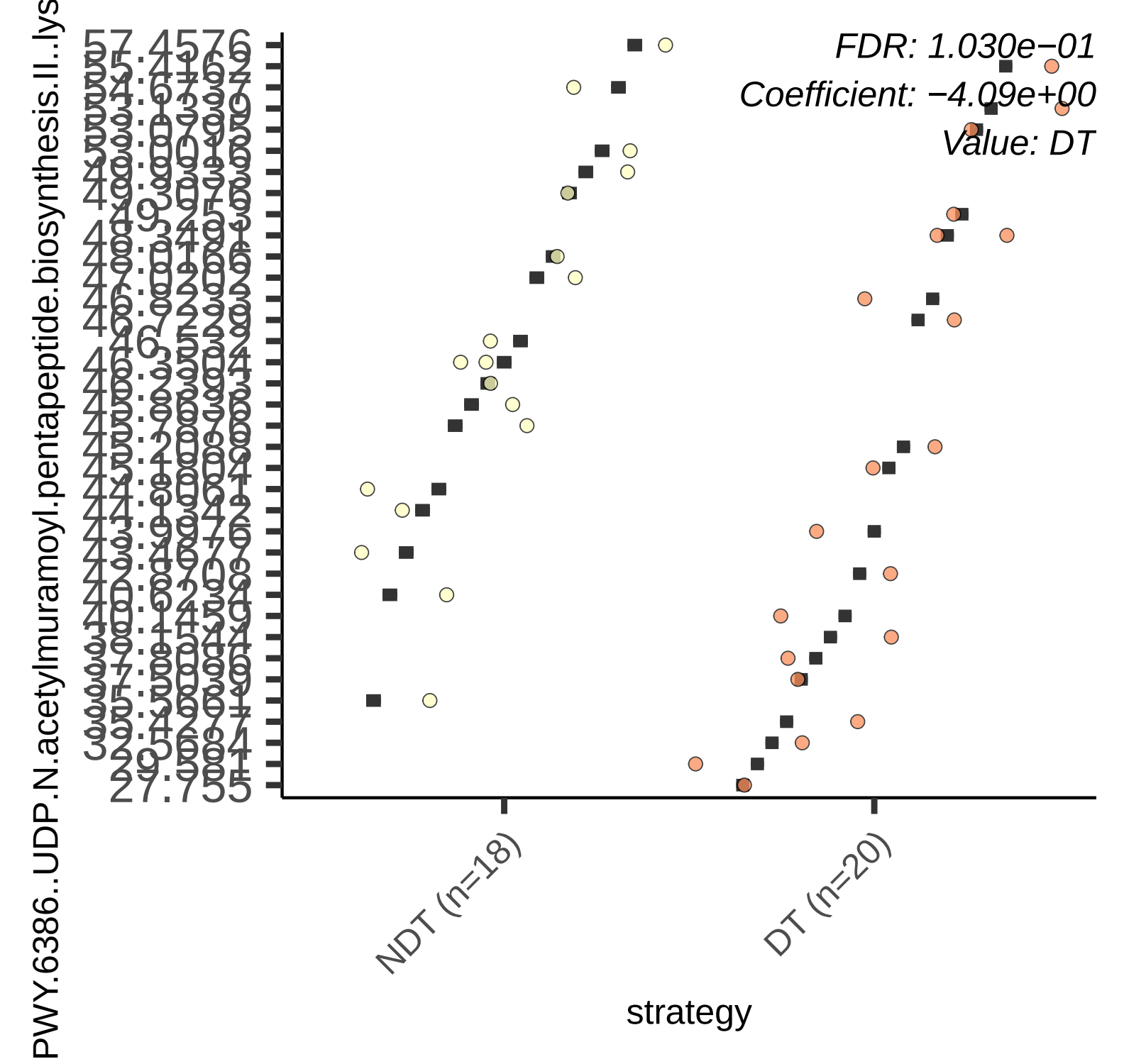
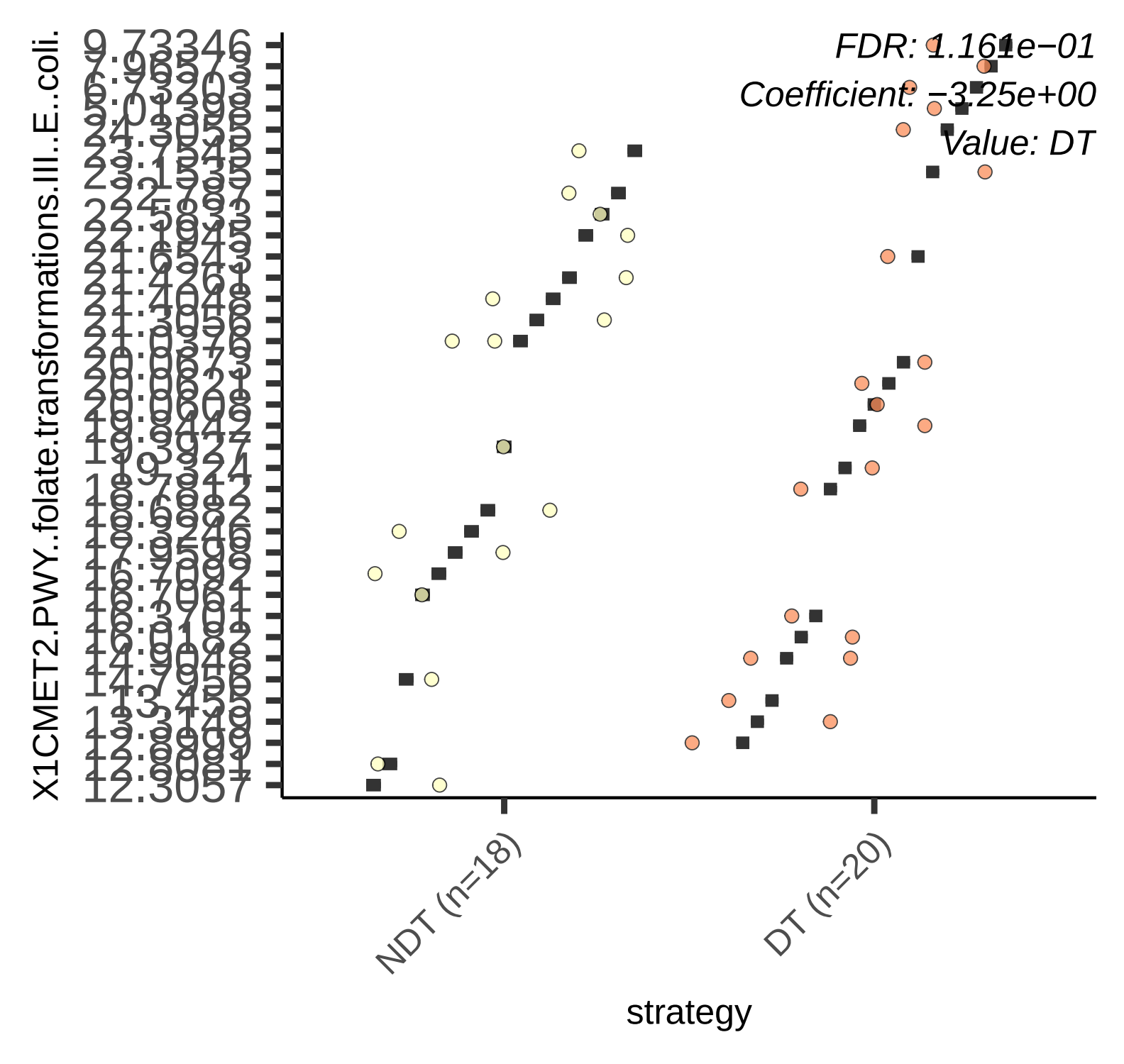
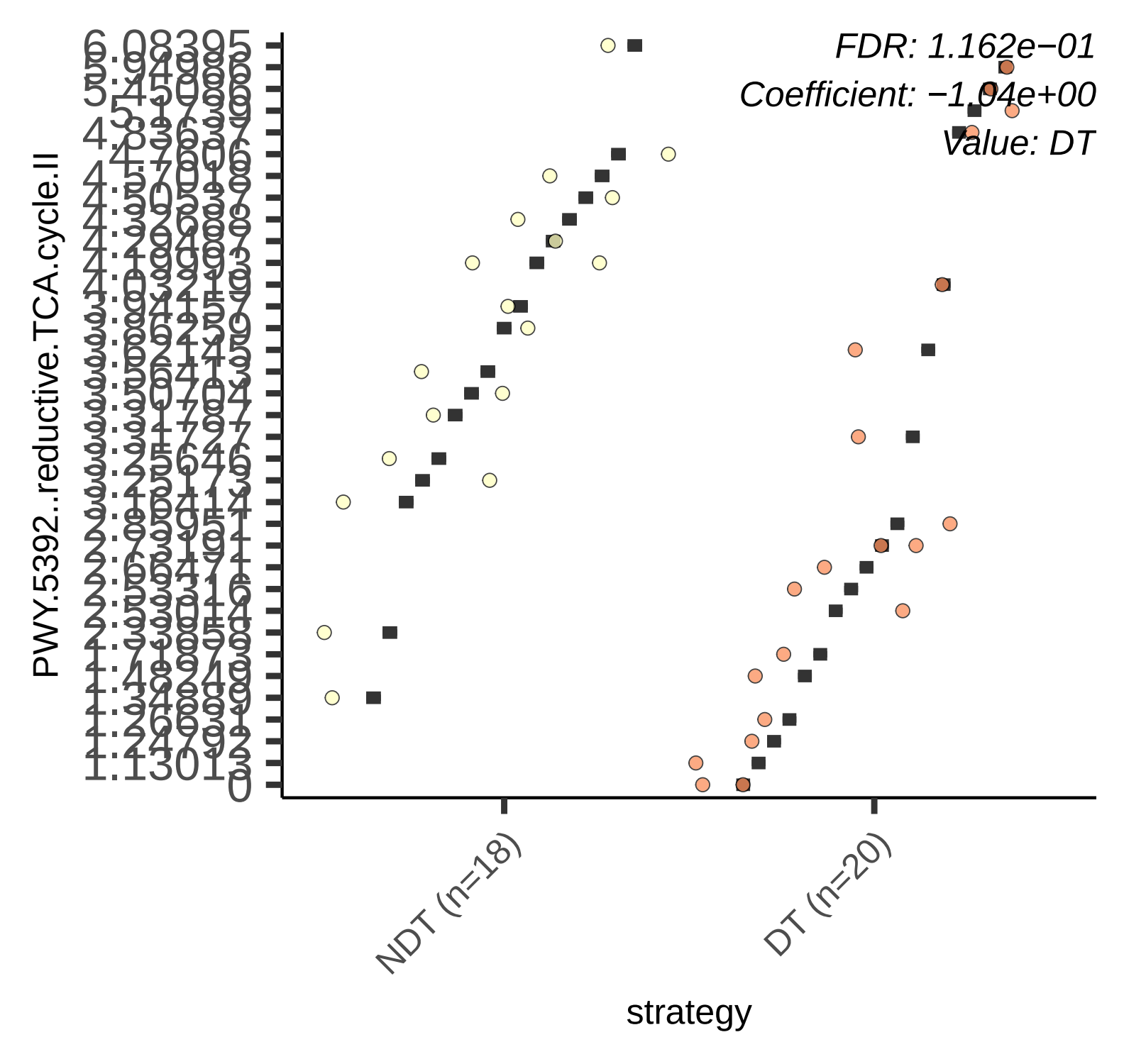
Coefficient: −1.42e+00
Value: DT
PWY0.1298..superpathway.of.pyrimidine.deoxyribonucleosides.d
NDT (n=18)
DT (n=20)
strategy


FDR: 9.970e−02
Coefficient: 1.03e+01
Value: DT
NDT (n=18)
DT (n=20)
strategy
BRANCHED.CHAIN.AA.SYN.PWY..superpathway.of.branched.chain.amino.acid.biosynthesis.

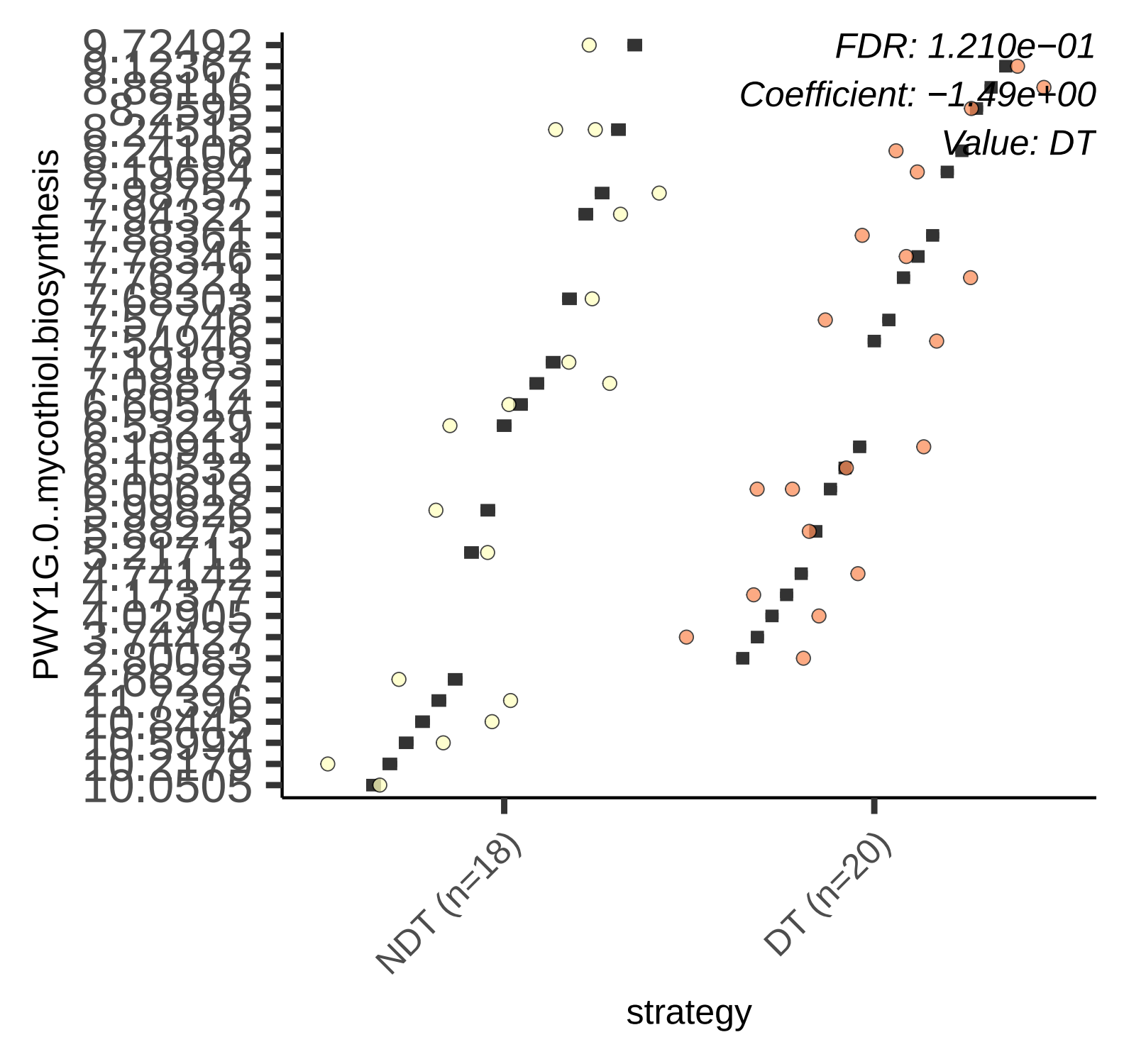

FDR: 9.981e-02
Coefficient: 1.06e+01
Value: DT
PWY.5103..L.isoleucine.biosynthesis.III
NDT (n=18)
DT (n=20)
strategy

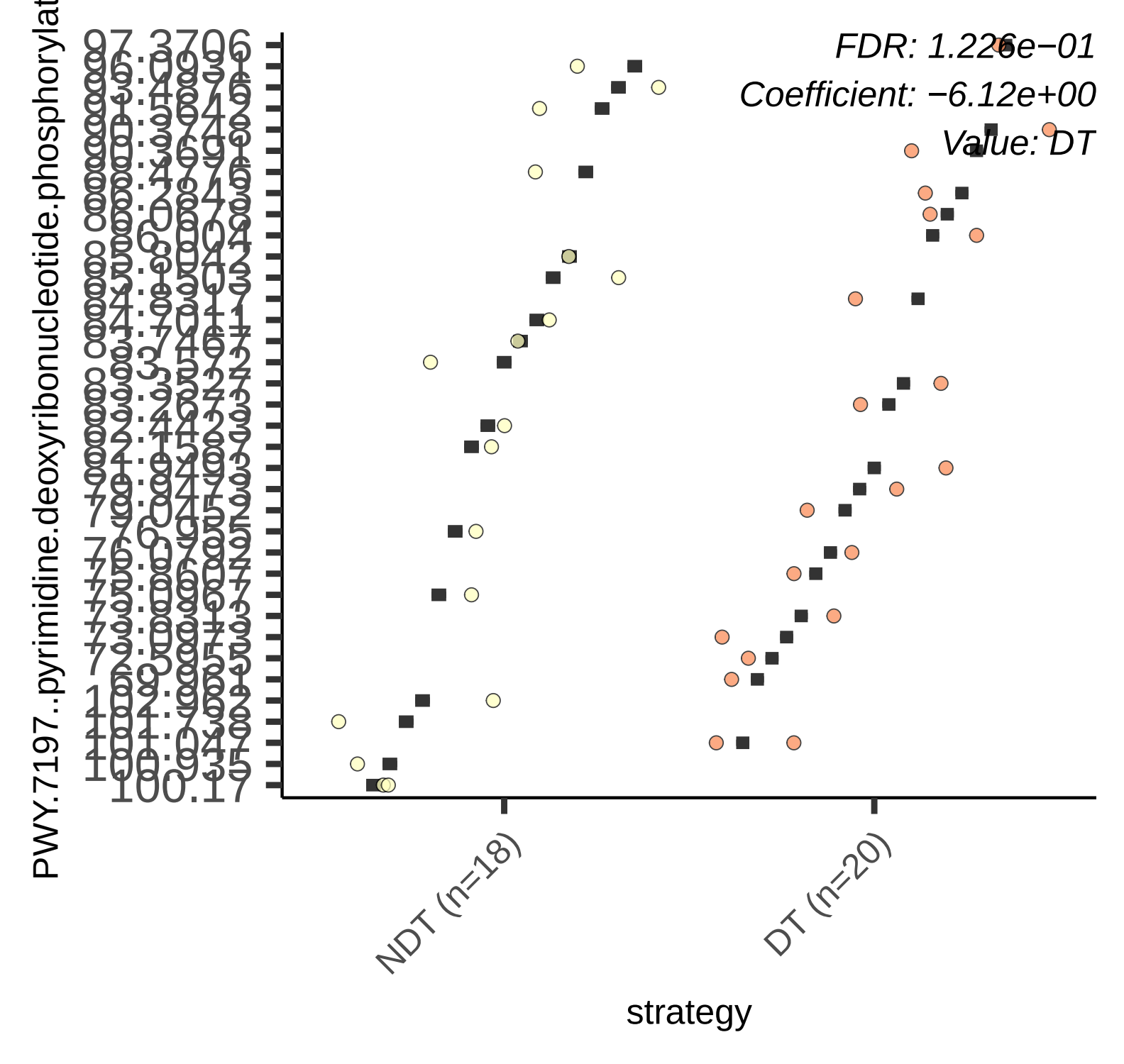

FDR: 1.030e−01
Coefficient: −4.09e+00
Value: DT
PWY.6386..UDP.N.acetylmuramoyl.pentapeptide.biosynthesis.II..lys
NDT (n=18)
DT (n=20)
strategy

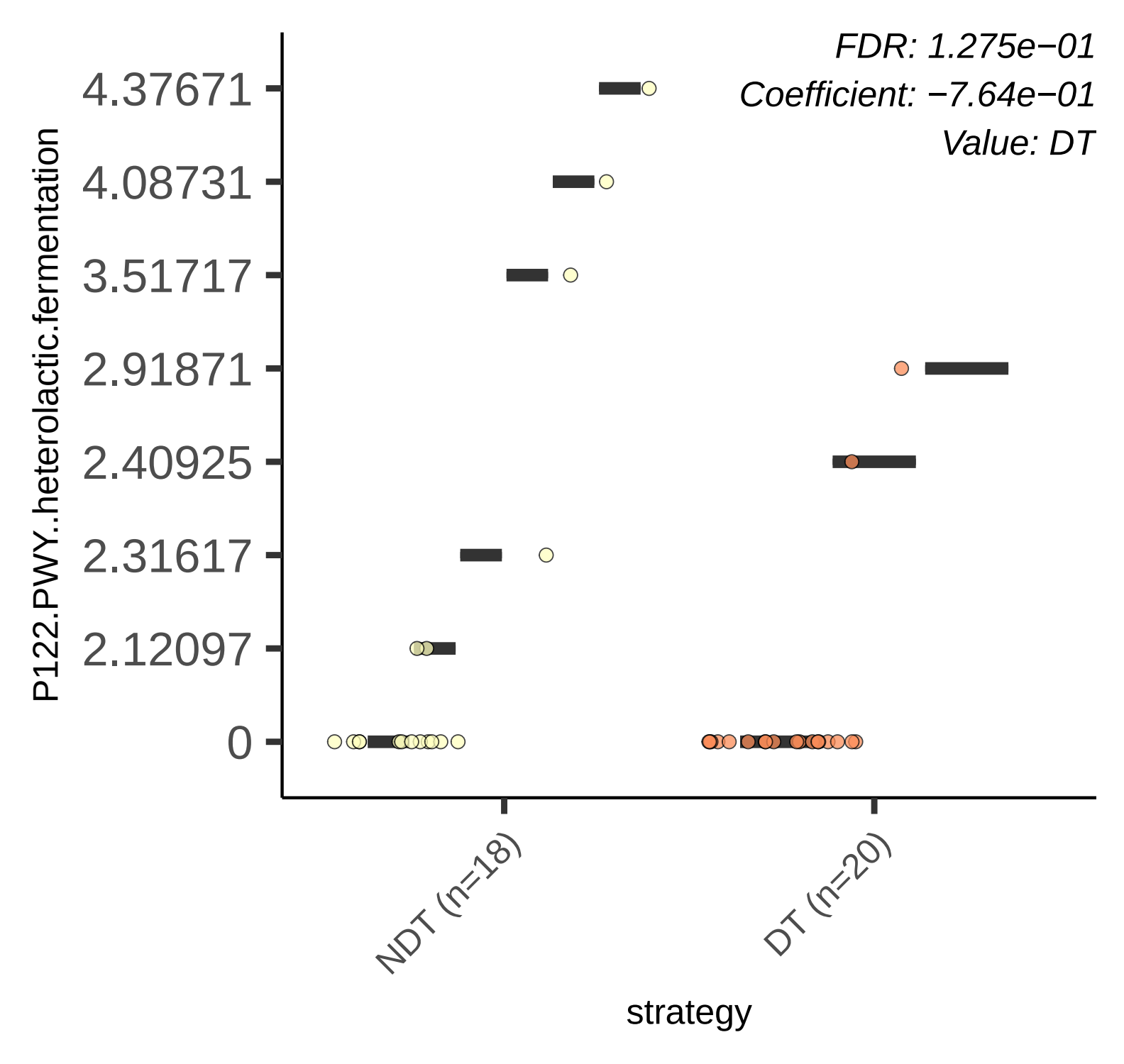

FDR: 1.161e−01
Coefficient: −3.25e+00
Value: DT
X1CMET2.PWY..folate.transformations.III..E..coli.
NDT (n=18)
DT (n=20)
strategy

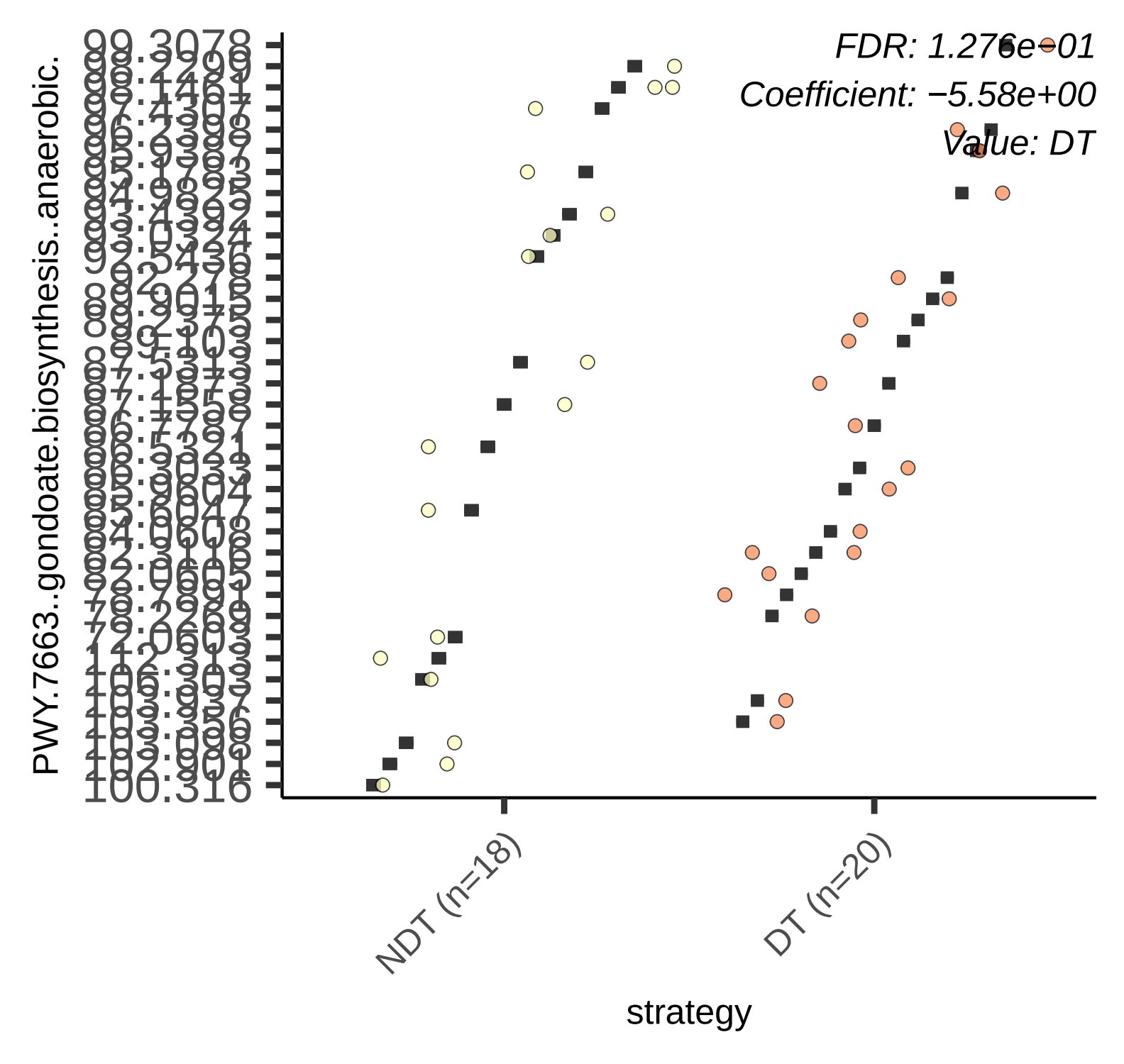

FDR: 1.162e−01
Coefficient: −1.04e+00
Value: DT
PWY.5392..reductive.TCA.cycle.II
NDT (n=18)
DT (n=20)
strategy

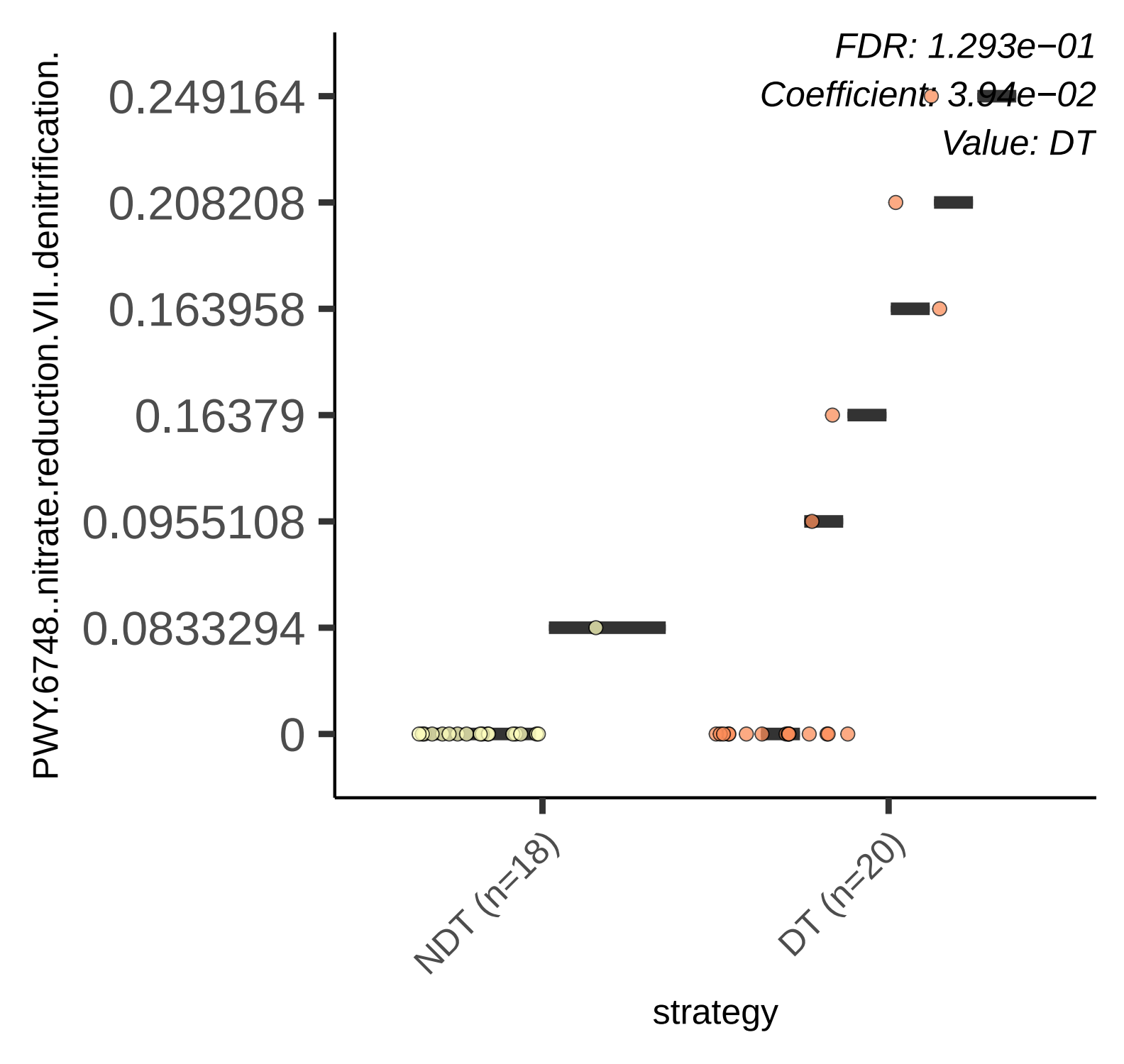
FDR: 1.176e−01
Coefficient: 1.30e+00
Value: DT
PWY.5138..fatty.acid..beta..oxidation.IV..unsaturated..even.n
NDT (n=18)
DT (n=20)
strategy

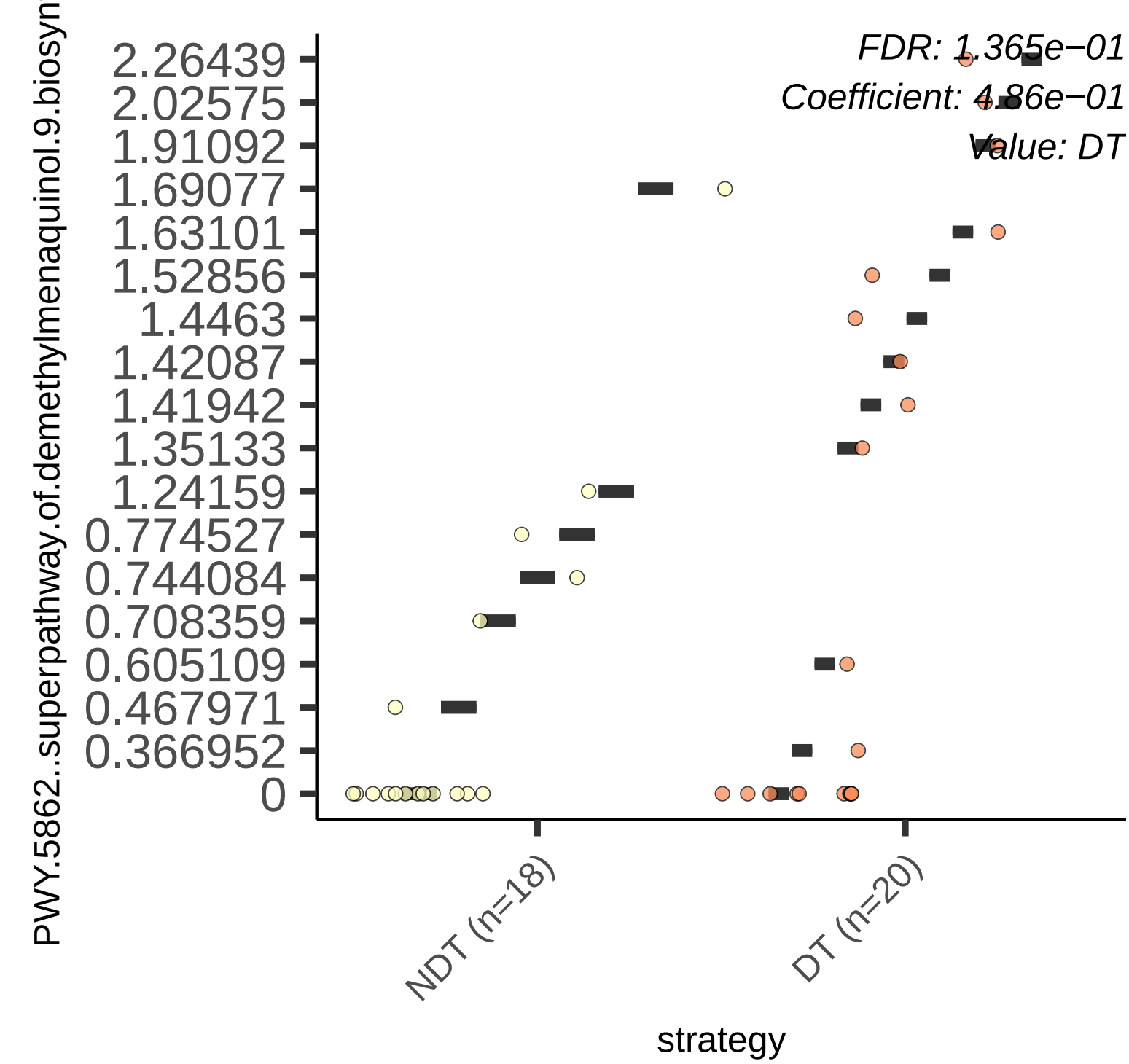

FDR: 1.210e−01
Coefficient: −1.49e+00
Value: DT
PWY1G.0..mycothiol.biosynthesis
NDT (n=18)
DT (n=20)
strategy

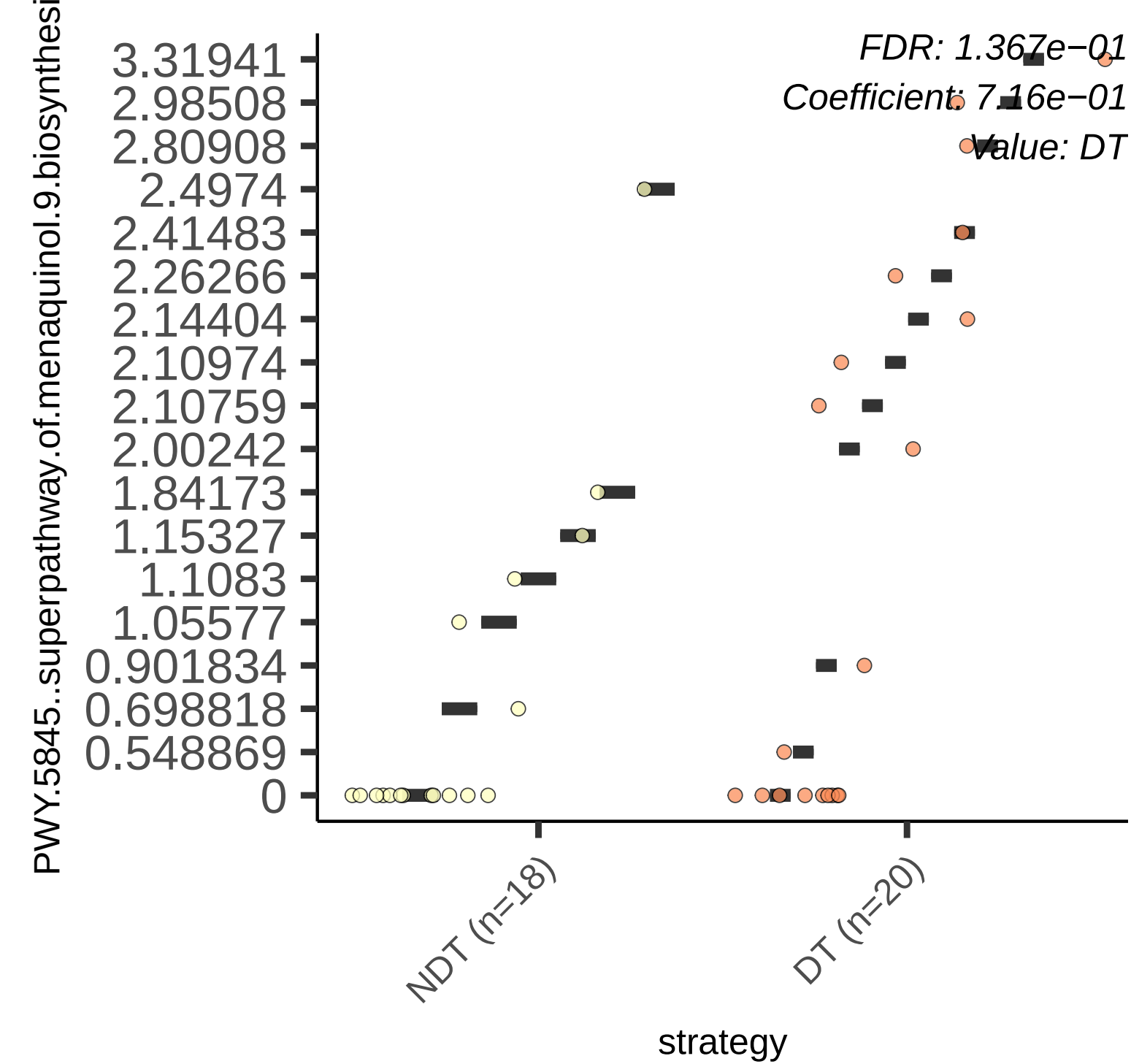

FDR: 1.226e−01
Coefficient: −6.12e+00
Value: DT
PWY.7197..pyrimidine.deoxyribonucleotide.phosphorylat
NDT (n=18)
DT (n=20)
strategy

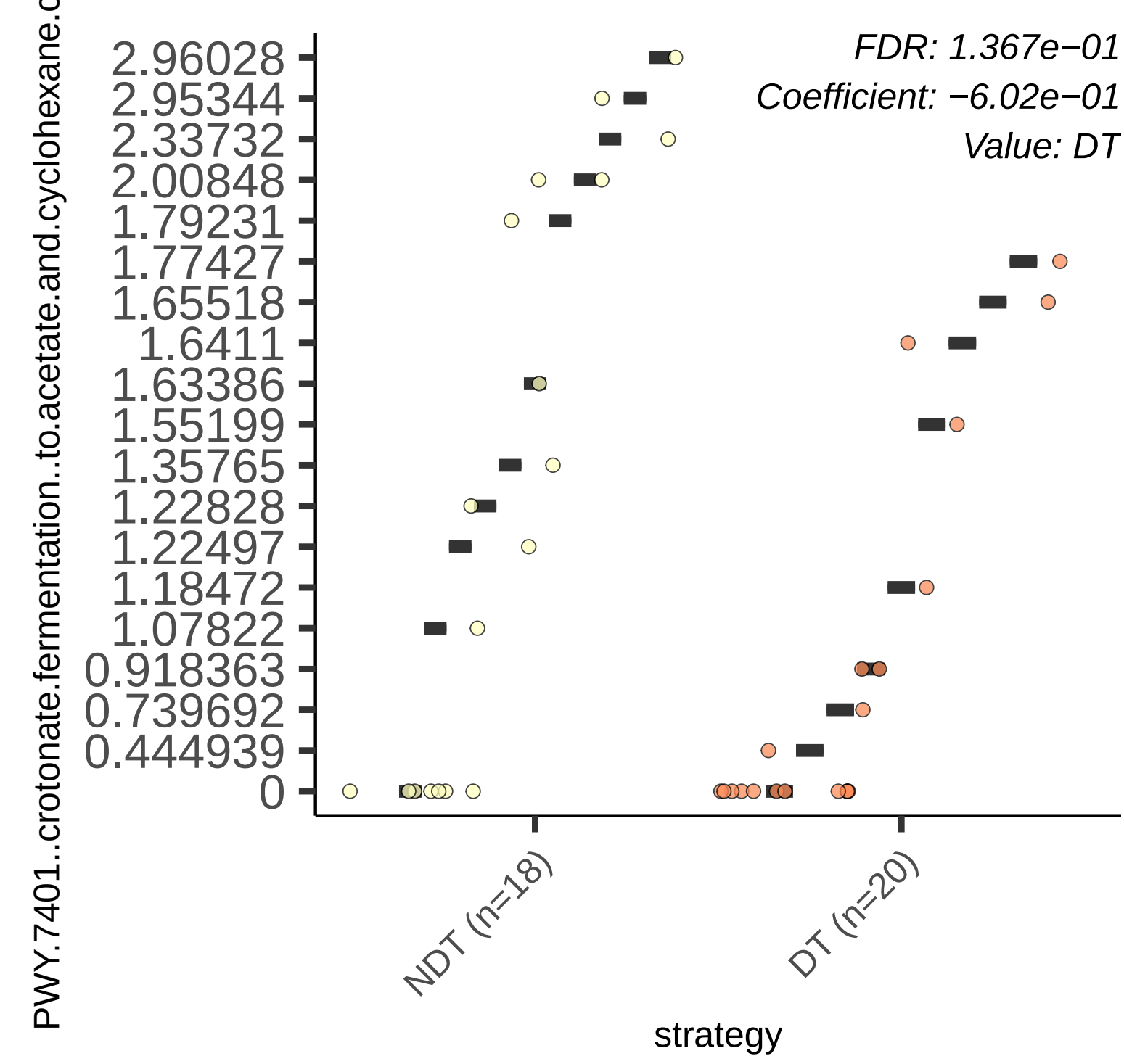

FDR: 1.275e−01
Coefficient: −7.64e−01
Value: DT
4.37671
4.08731
3.51717
2.91871
2.40925
2.31617
2.12097
0
P122.PWY..heterolactic.fermentation
NDT (n=18)
DT (n=20)
strategy

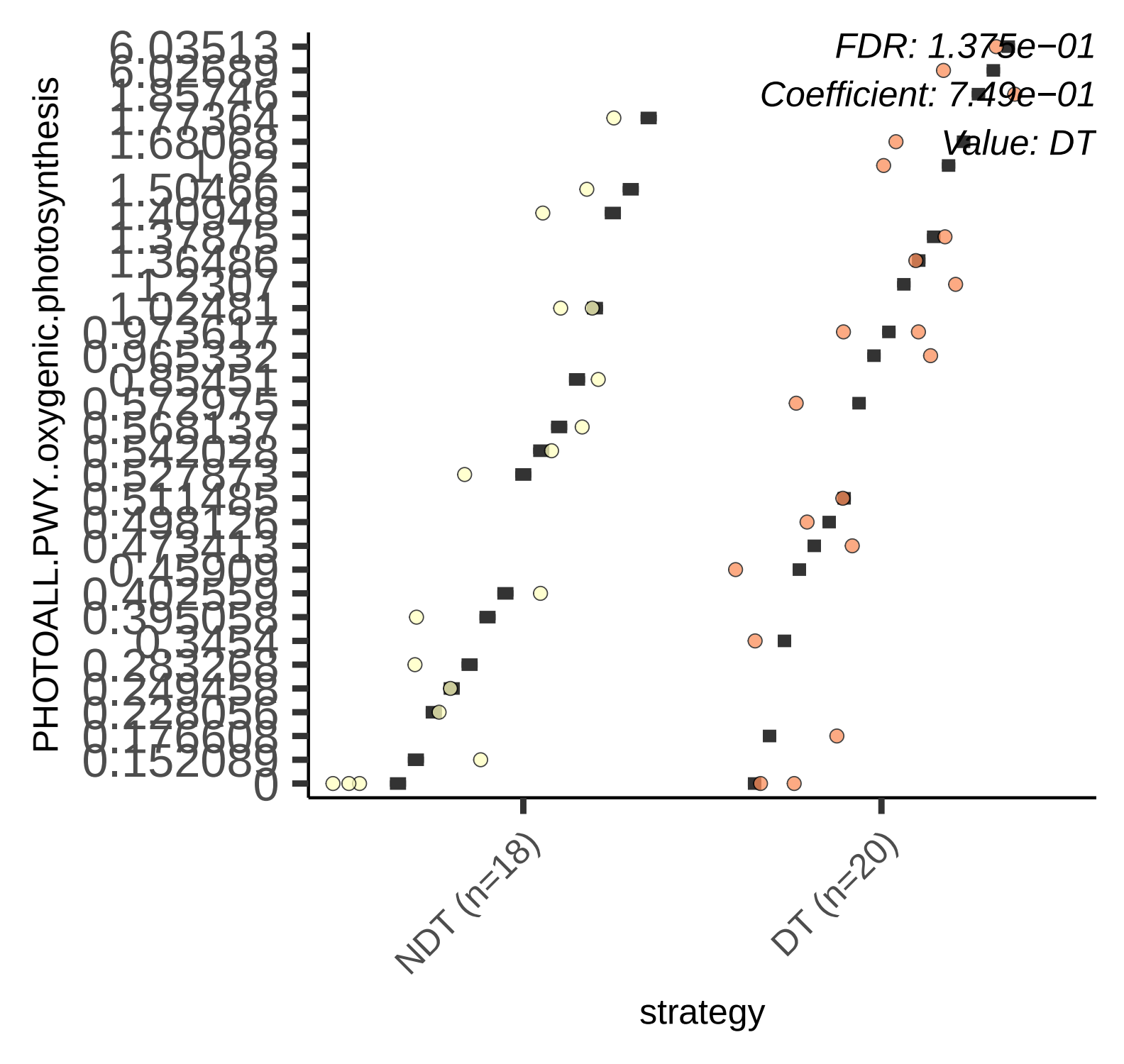

FDR: 1.276e−01
Coefficient: −5.58e+00
Value: DT
PWY.7663..gondoate.biosynthesis..anaerobic.
NDT (n=18)
DT (n=20)
strategy

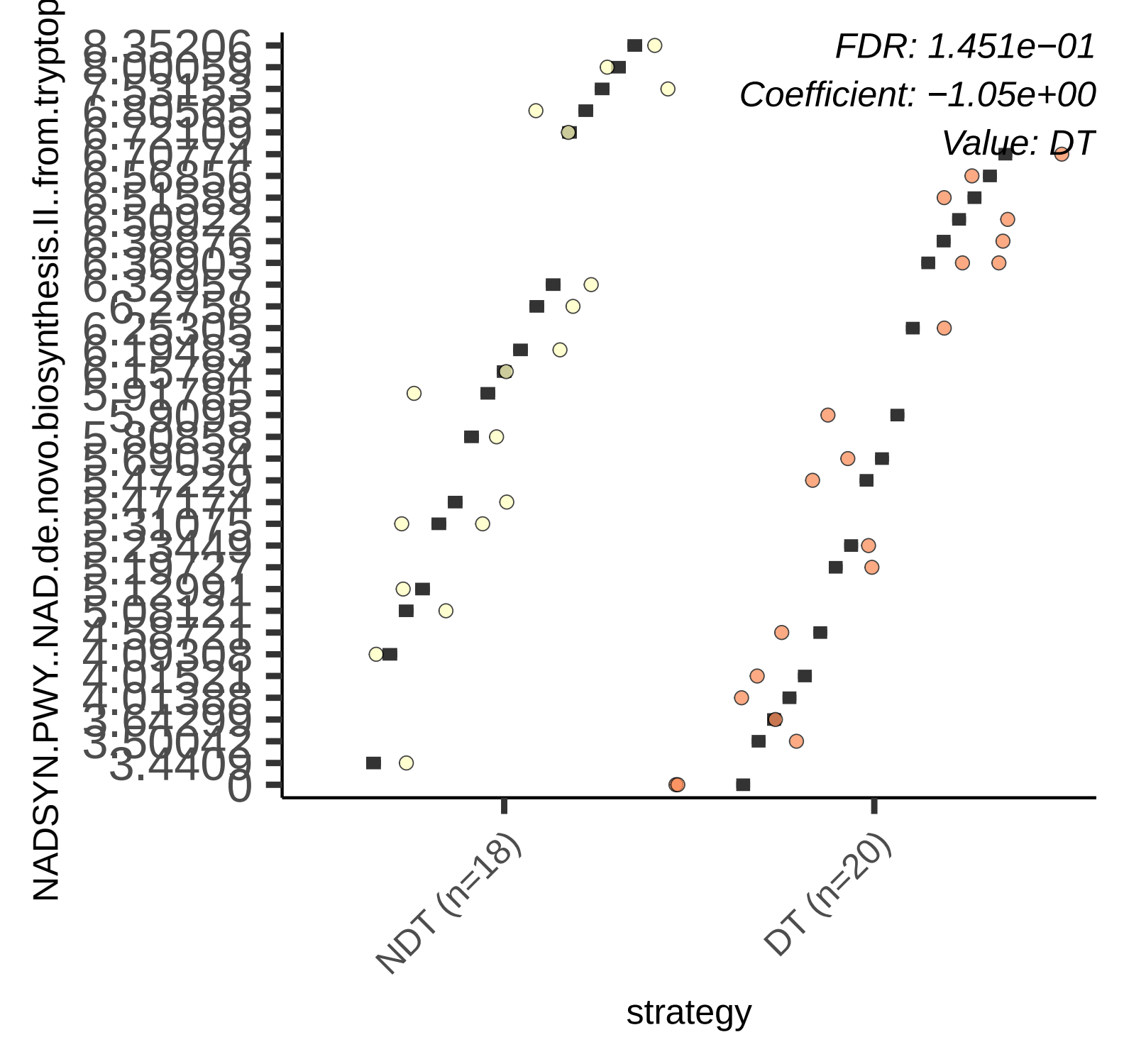

FDR: 1.293e−01
Coefficient: 3.94e−02
Value: DT
PWY.6748..nitrate.reduction.VII..denitrification.
0.249164
0.208208
0.163958
0.16379
0.0955108
0.0833294
0
NDT (n=18)
DT (n=20)
strategy

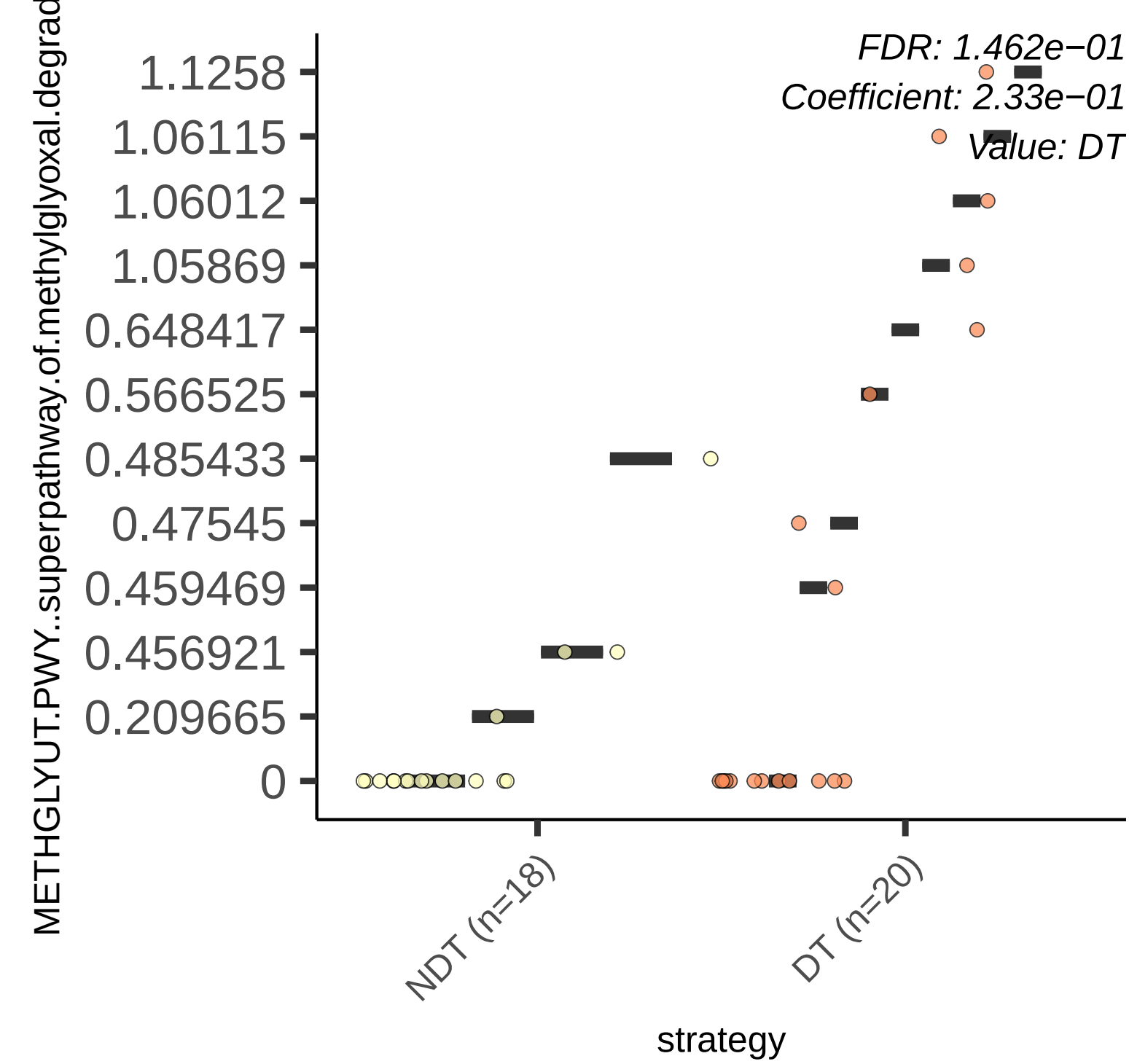

FDR: 1.365e−01
Coefficient: 4.86e−01
Value: DT
PWY.5862..superpathway.of.demethylmenaquinol.9.biosyn
2.26439
2.02575
1.91092
1.69077
1.63101
1.52856
1.4463
1.42087
1.41942
1.35133
1.24159
0.774527
0.744084
0.708359
0.605109
0.467971
0.366952
0
NDT (n=18)
DT (n=20)
strategy

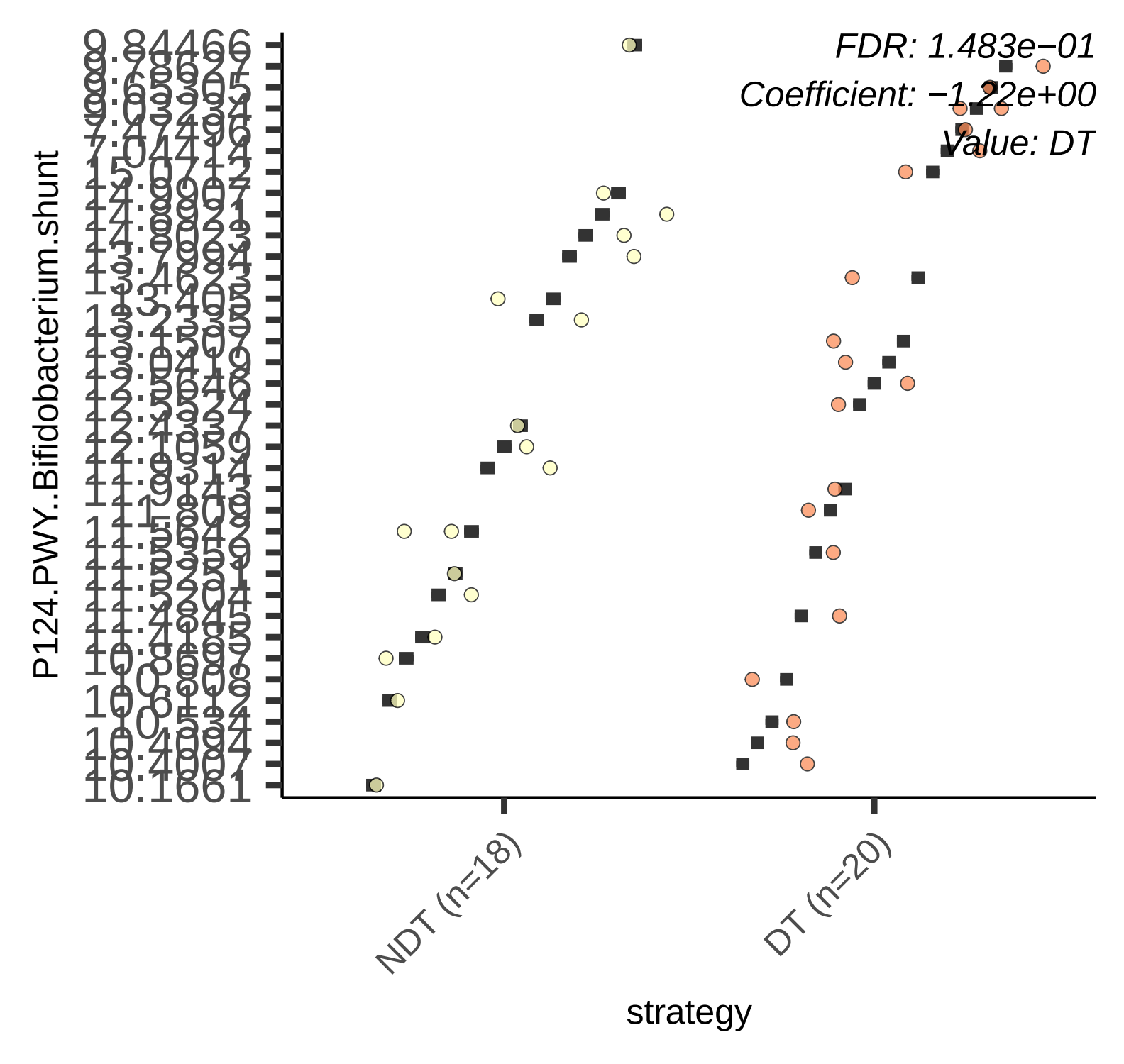

FDR: 1.367e−01
Coefficient: 7.16e−01
Value: DT
PWY.5845..superpathway.of.menaquinol.9.biosynthesi
3.31941
2.98508
2.80908
2.4974
2.41483
2.26266
2.14404
2.10974
2.10759
2.00242
1.84173
1.15327
1.1083
1.05577
0.901834
0.698818
0.548869
0
NDT (n=18)
DT (n=20)
strategy

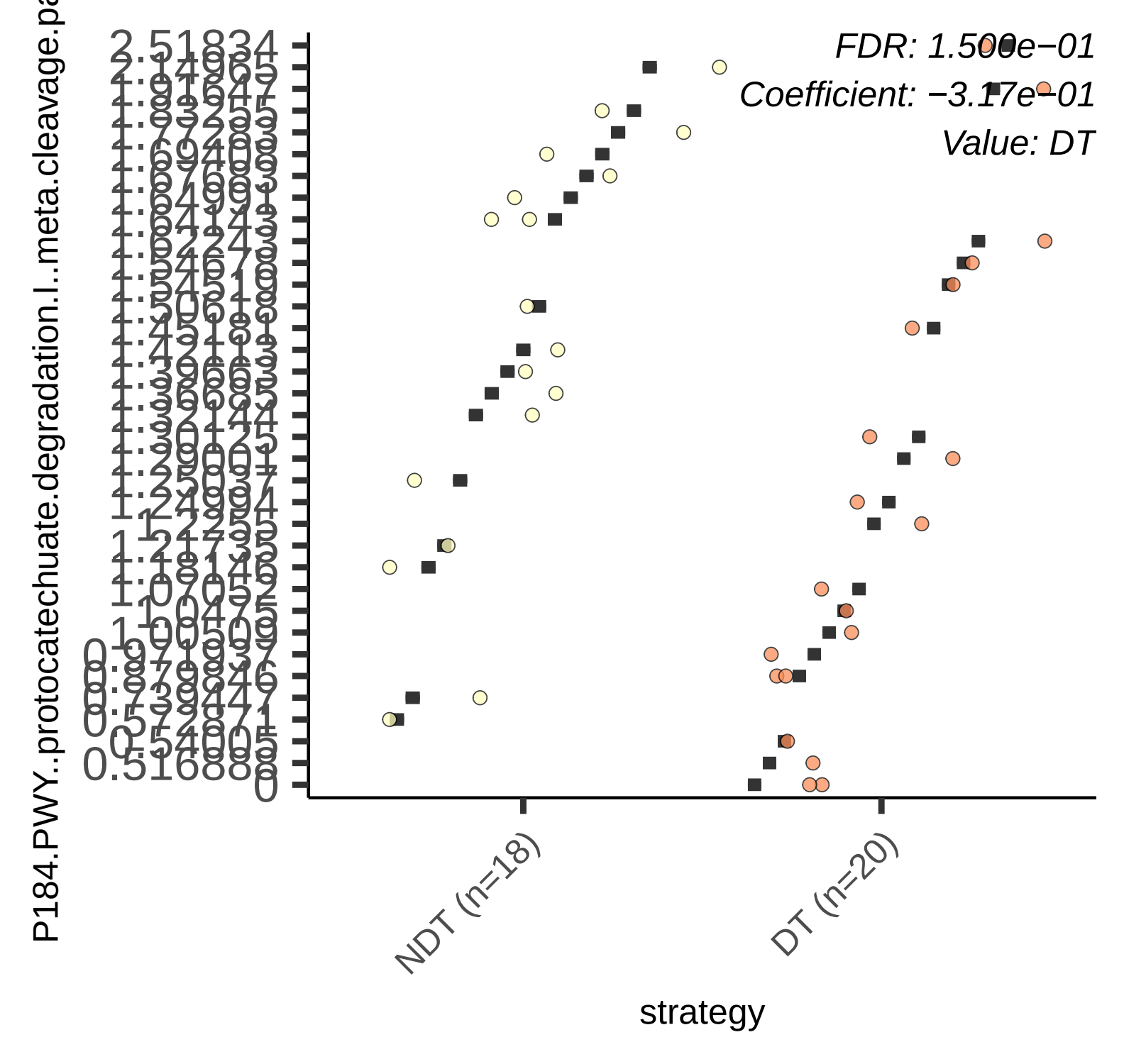

FDR: 1.367e−01
Coefficient: −6.02e−01
Value: DT
PWY.7401..crotonate.fermentation..to.acetate.and.cyclohexane.c
2.96028
2.95344
2.33732
2.00848
1.79231
1.77427
1.65518
1.6411
1.63386
1.55199
1.35765
1.22828
1.22497
1.18472
1.07822
0.918363
0.739692
0.444939
0
NDT (n=18)
DT (n=20)
strategy

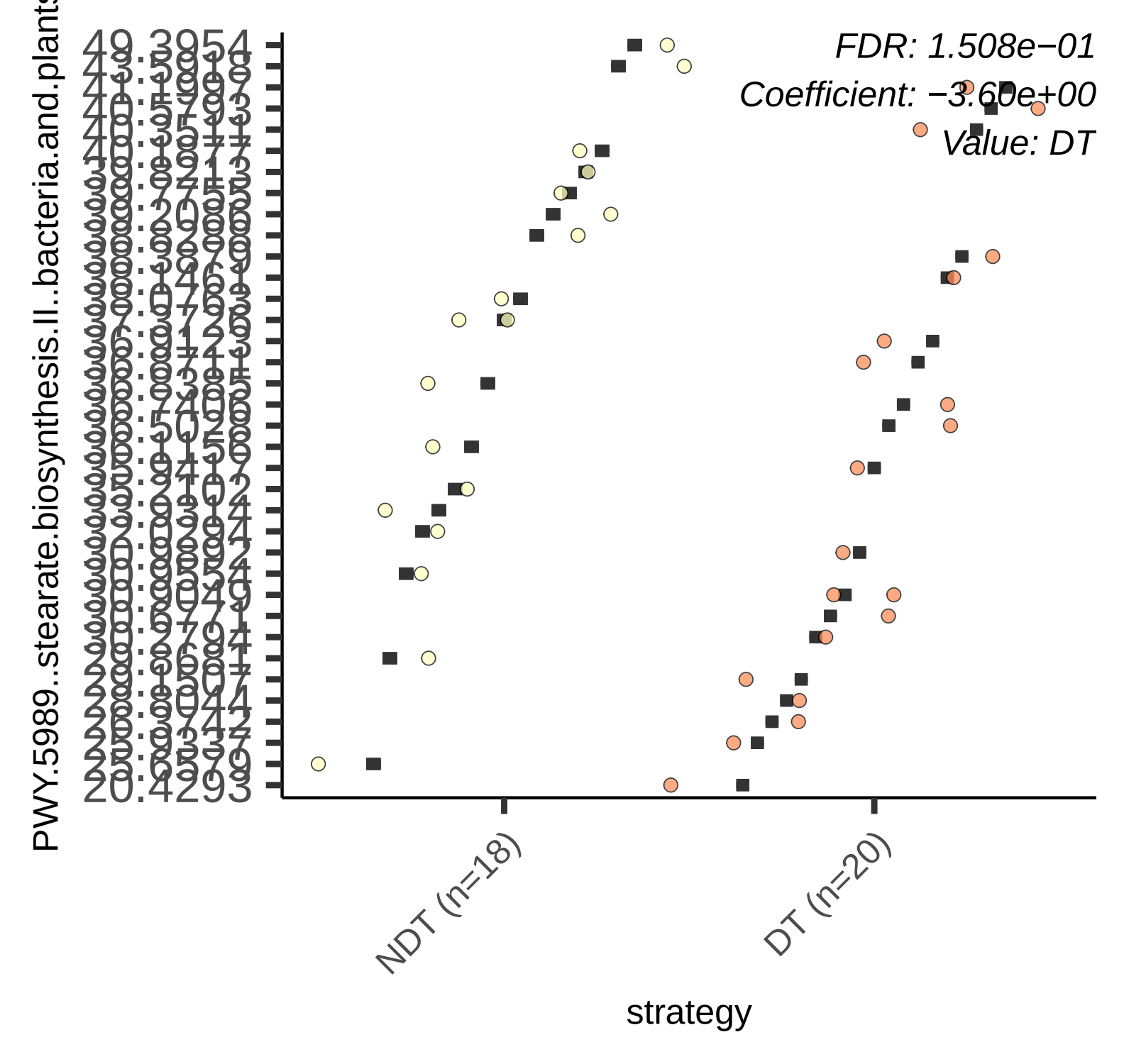

FDR: 1.375e−01
Coefficient: 7.49e−01
Value: DT
PHOTOALL.PWY..oxygenic.photosynthesis
NDT (n=18)
DT (n=20)
strategy


FDR: 1.451e−01
Coefficient: −1.05e+00
Value: DT
NADSYN.PWY..NAD.de.novo.biosynthesis.II..from.tryptop
NDT (n=18)
DT (n=20)
strategy

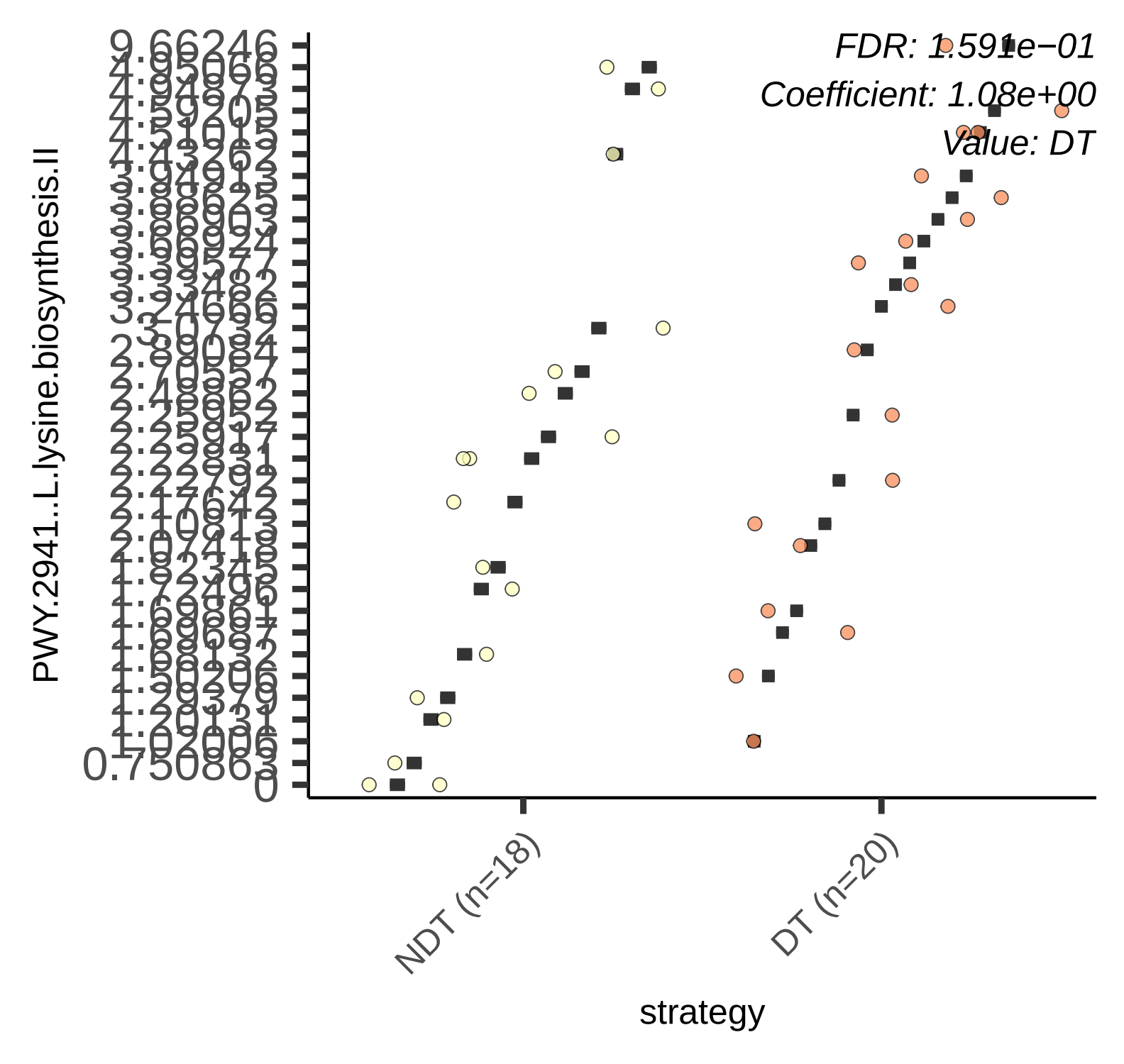

FDR: 1.462e−01
Coefficient: 2.33e−01
Value: DT
METHGLYUT.PWY..superpathway.of.methylglyoxal.degrad
1.1258
1.06115
1.06012
1.05869
0.648417
0.566525
0.485433
0.47545
0.459469
0.456921
0.209665
0
NDT (n=18)
DT (n=20)
strategy

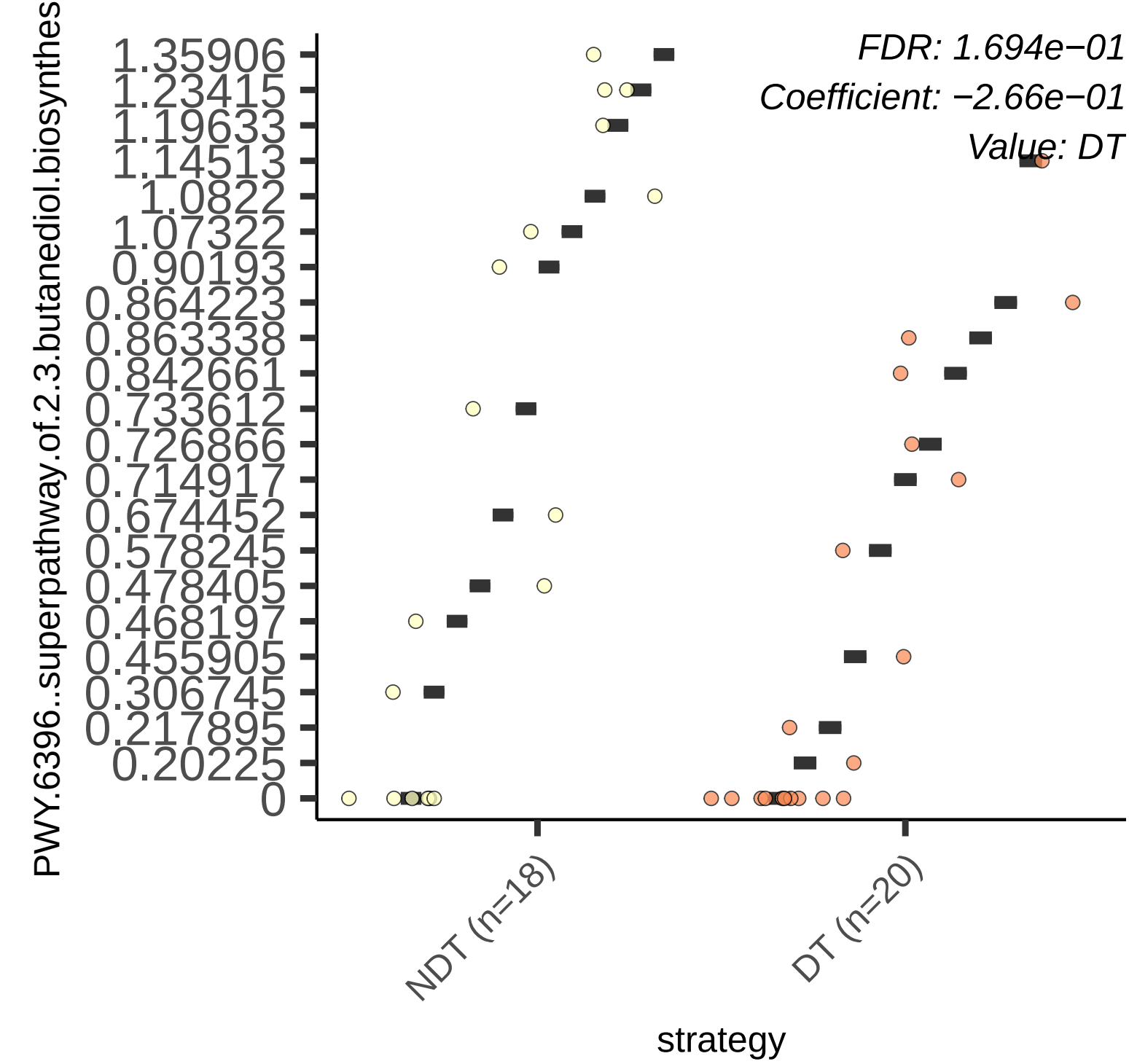

FDR: 1.483e−01
Coefficient: −1.22e+00
Value: DT
P124.PWY..Bifidobacterium.shunt
NDT (n=18)
DT (n=20)
strategy

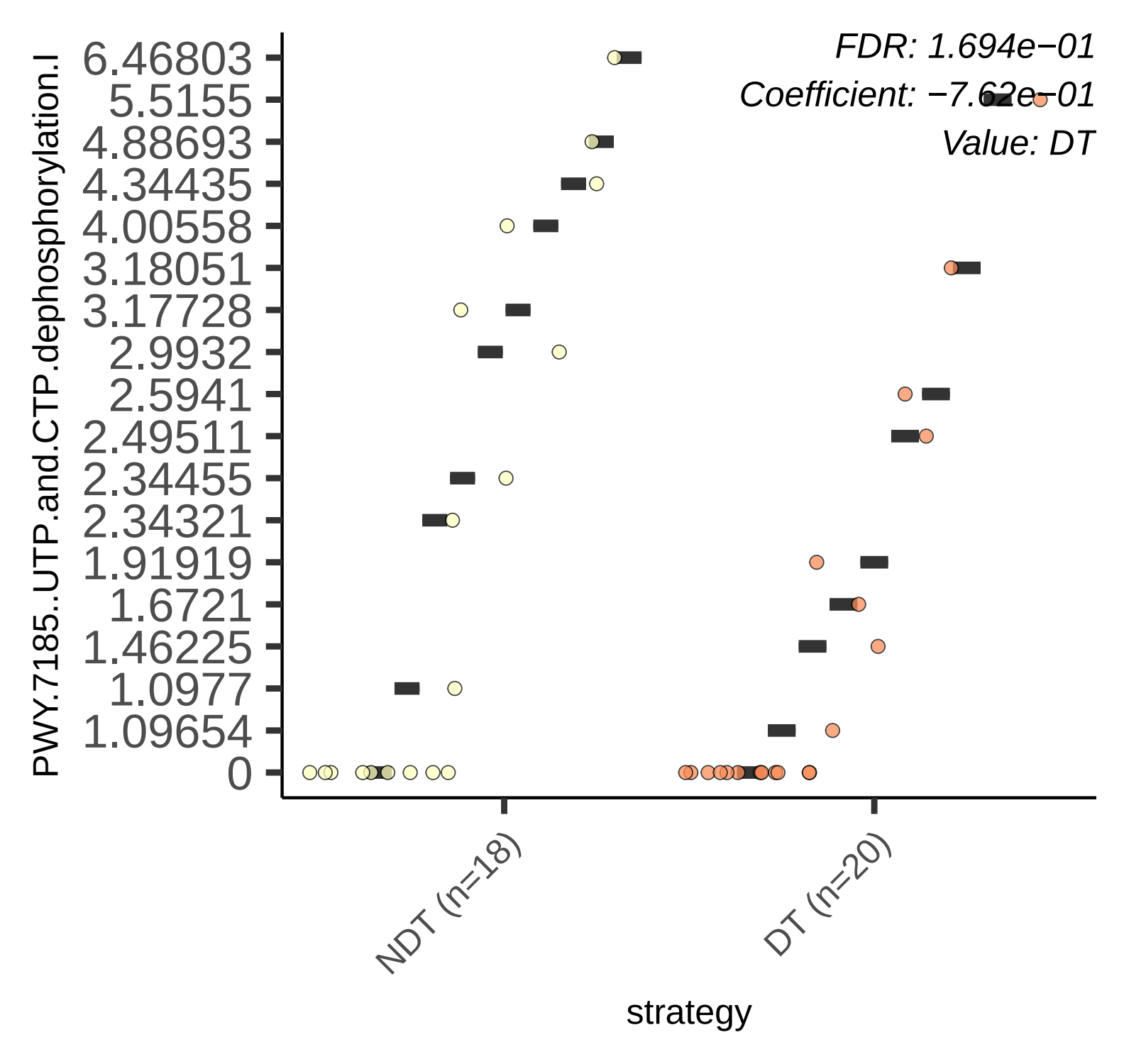

FDR: 1.500e−01
Coefficient: −3.17e−01
Value: DT
P184.PWY..protocatechuate.degradation.I..meta.cleavage.pa
NDT (n=18)
DT (n=20)
strategy

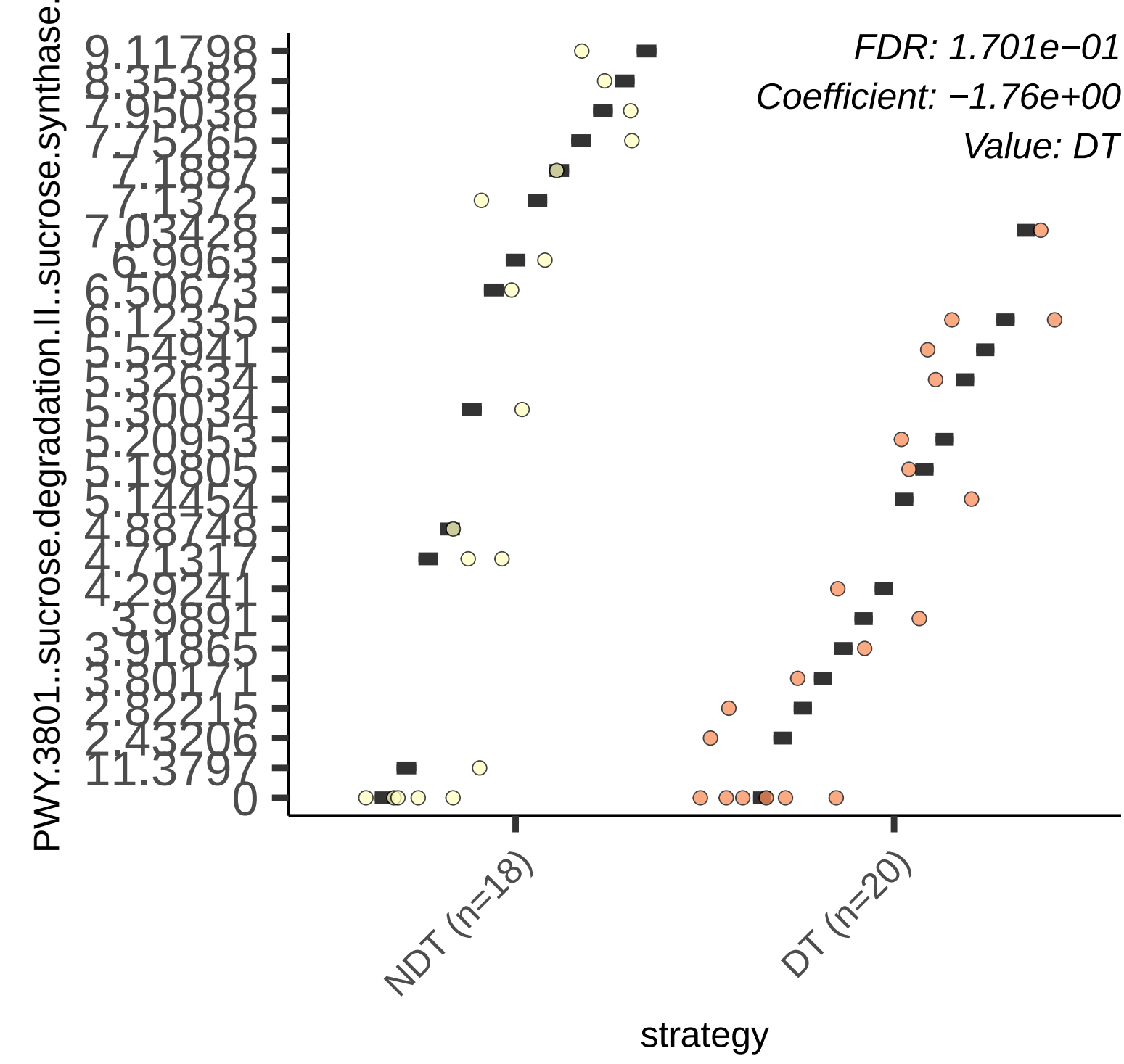

FDR: 1.508e−01
Coefficient: −3.60e+00
Value: DT
PWY.5989..stearate.biosynthesis.II..bacteria.and.plants
NDT (n=18)
DT (n=20)
strategy

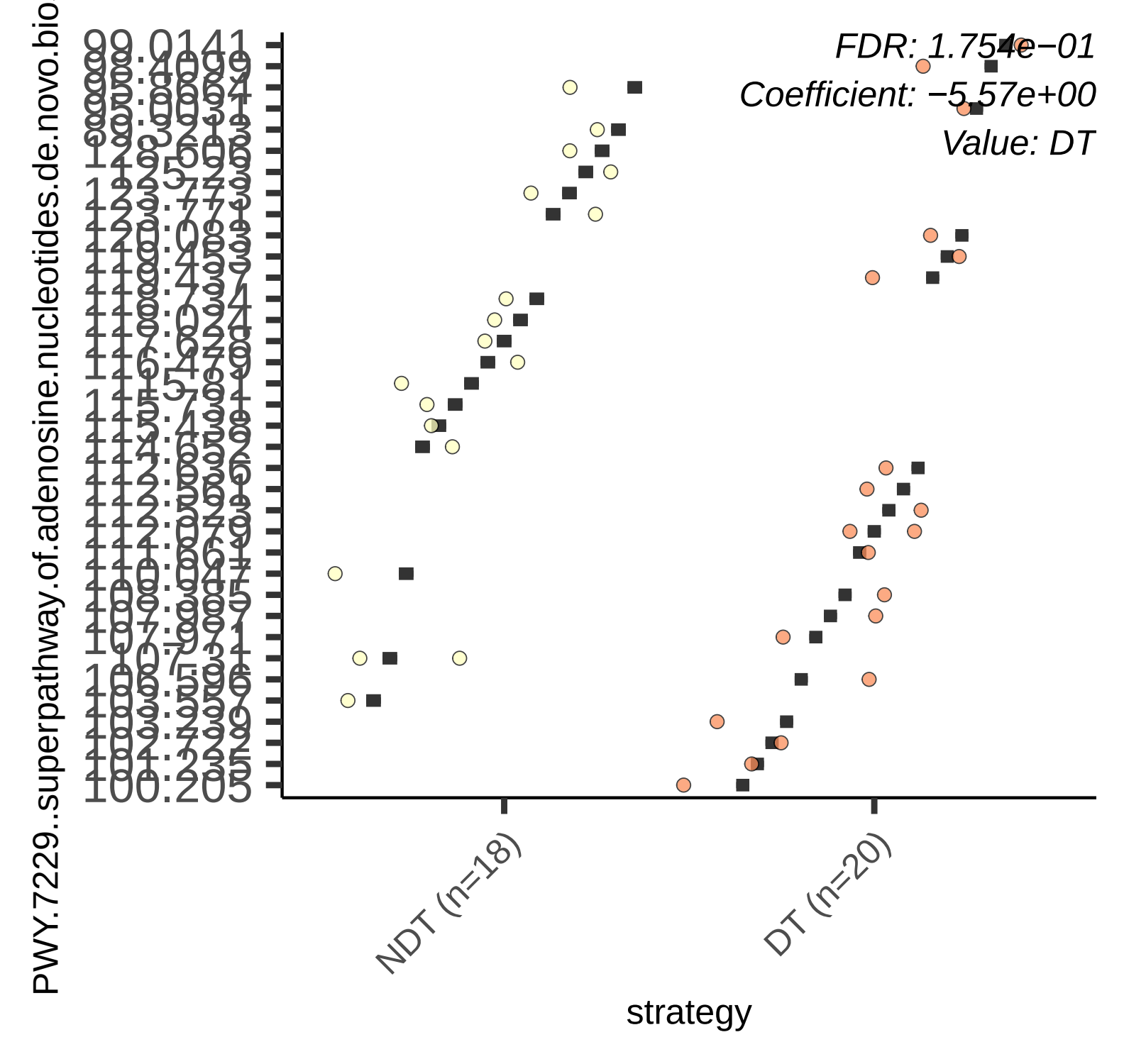
FDR: 1.516e−01
Coefficient: −7.63e−01
Value: DT
PWY.5651..L.tryptophan.degradation.to.2.amino.3.carboxymuconate
NDT (n=18)
DT (n=20)
strategy

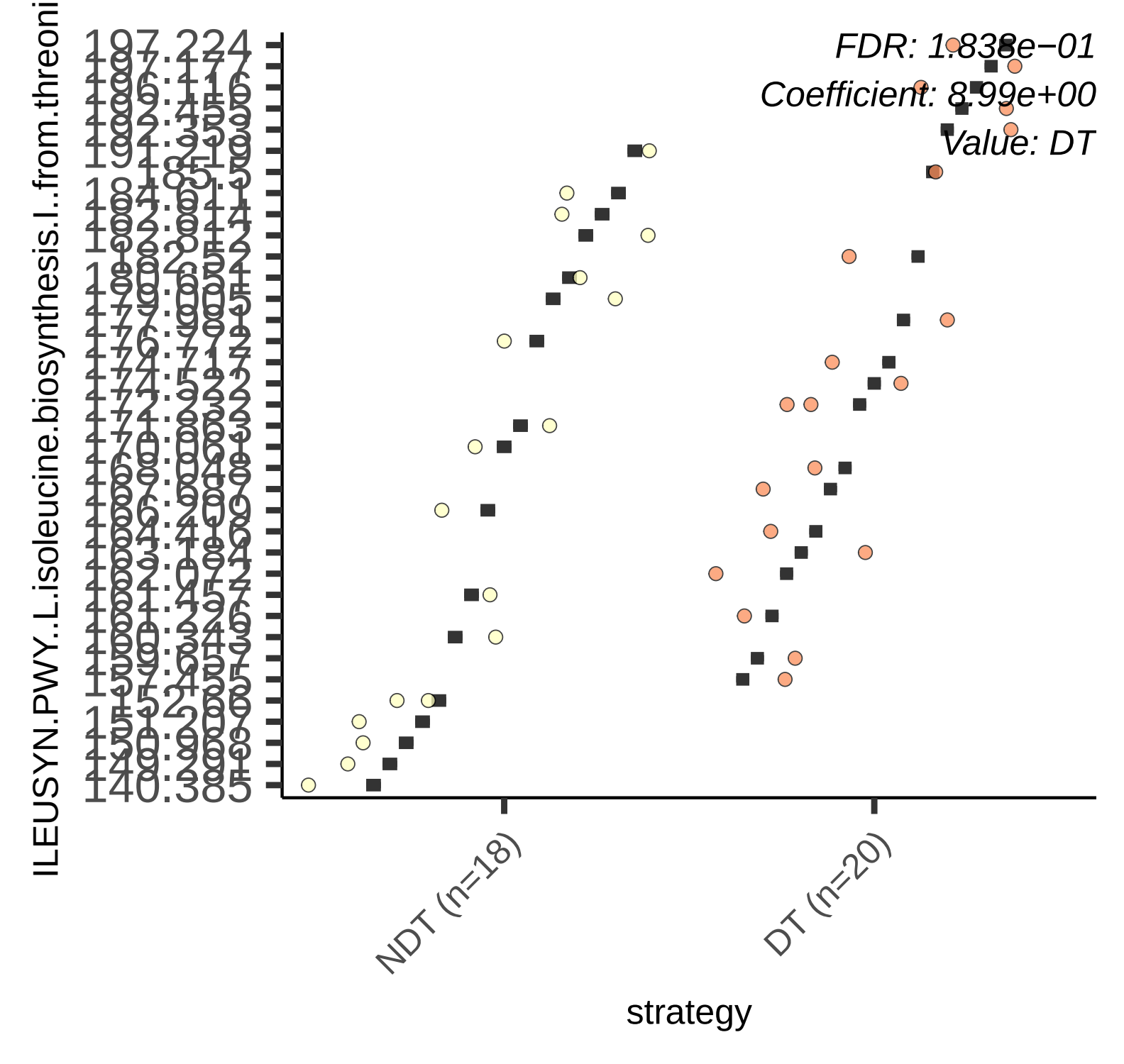

FDR: 1.591e−01
Coefficient: 1.08e+00
Value: DT
PWY.2941..L.lysine.biosynthesis.II
NDT (n=18)
DT (n=20)
strategy

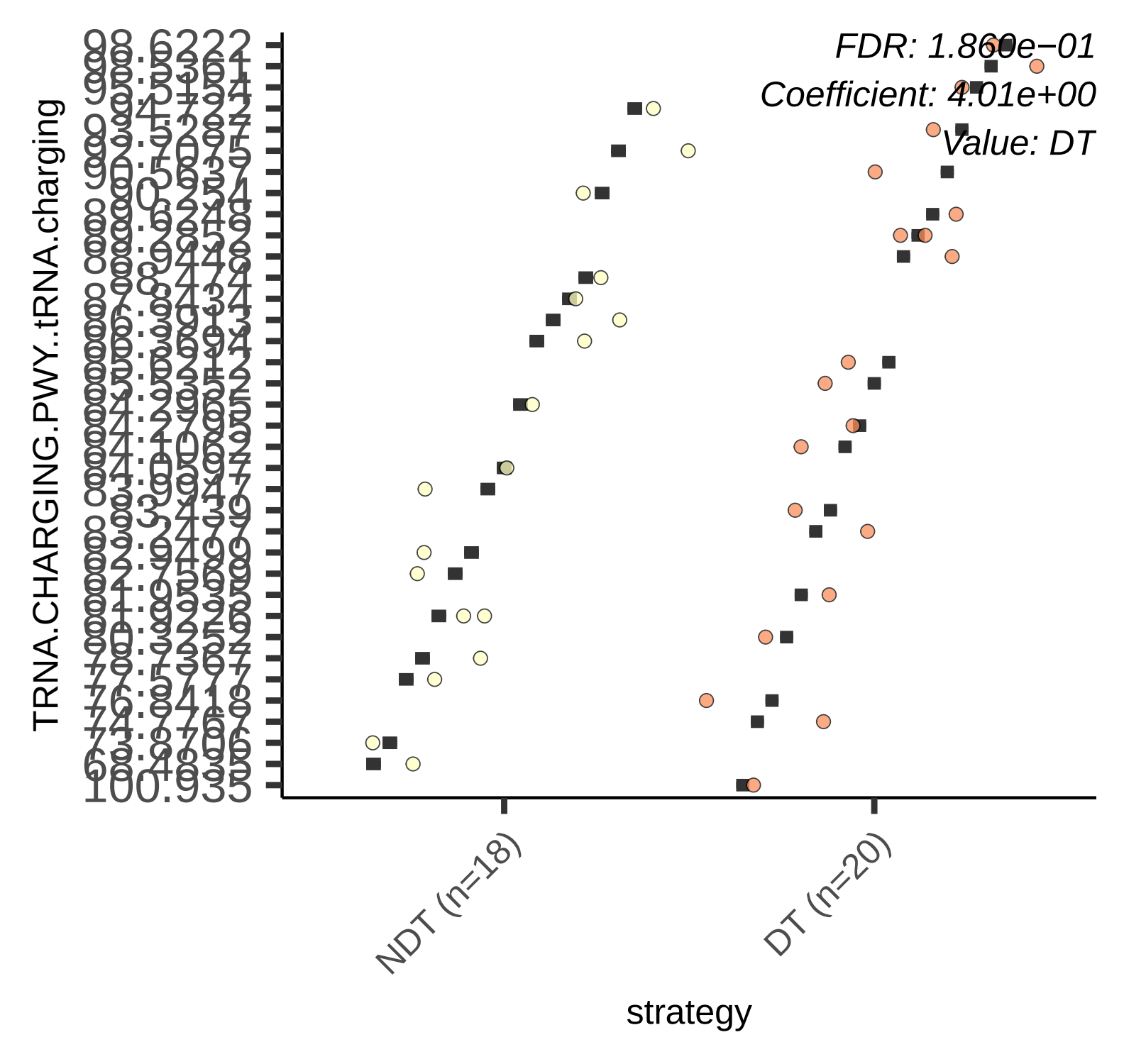

FDR: 1.694e−01
Coefficient: −2.66e−01
Value: DT
PWY.6396..superpathway.of.2.3.butanediol.biosynthes
1.35906
1.23415
1.19633
1.14513
1.0822
1.07322
0.90193
0.864223
0.863338
0.842661
0.733612
0.726866
0.714917
0.674452
0.578245
0.478405
0.468197
0.455905
0.306745
0.217895
0.20225
0
NDT (n=18)
DT (n=20)
strategy

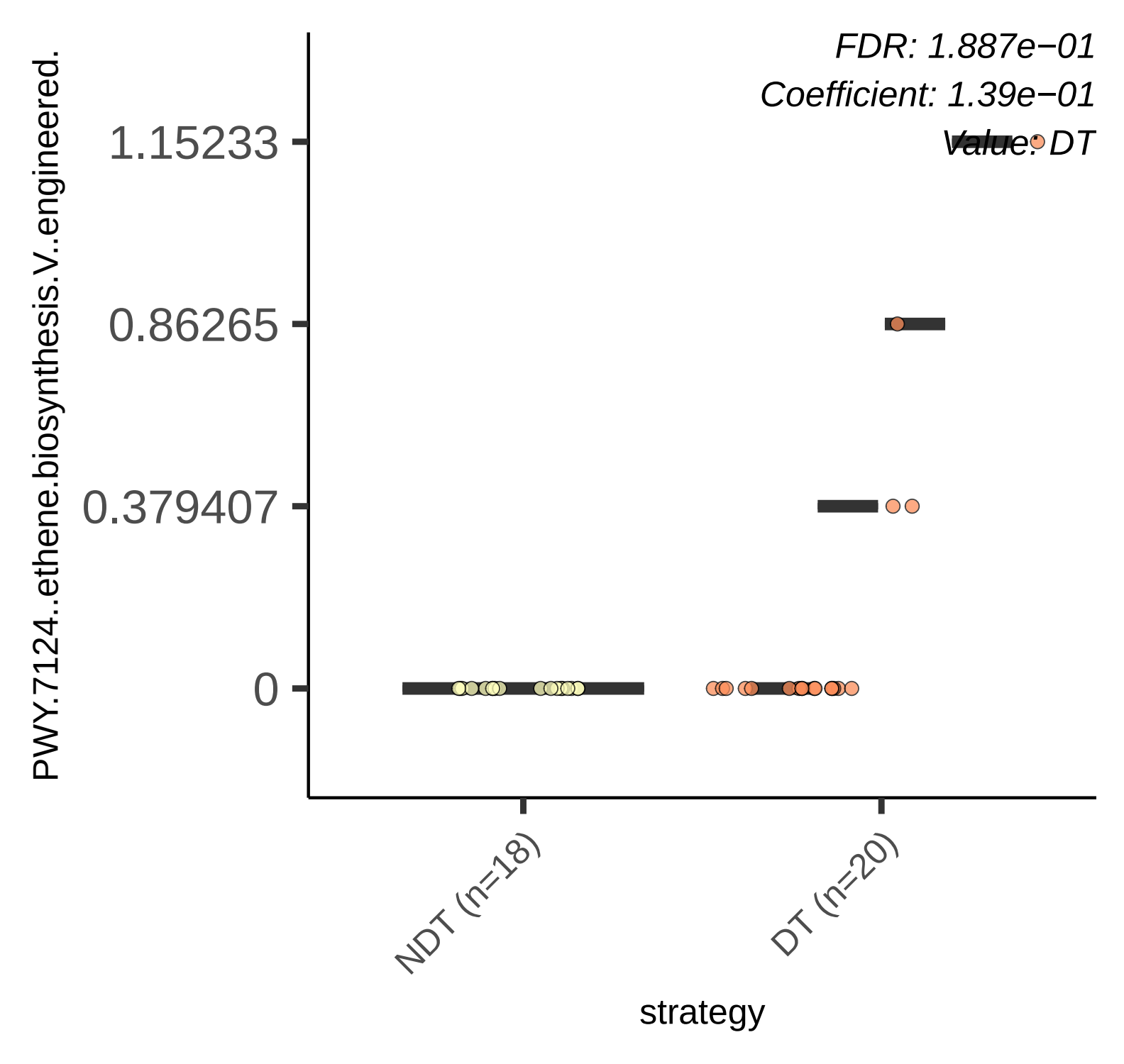

FDR: 1.694e−01
Coefficient: −7.62e−01
Value: DT
PWY.7185..UTP.and.CTP.dephosphorylation.I
6.46803
5.5155
4.88693
4.34435
4.00558
3.18051
3.17728
2.9932
2.5941
2.49511
2.34455
2.34321
1.91919
1.6721
1.46225
1.0977
1.09654
0
NDT (n=18)
DT (n=20)
strategy

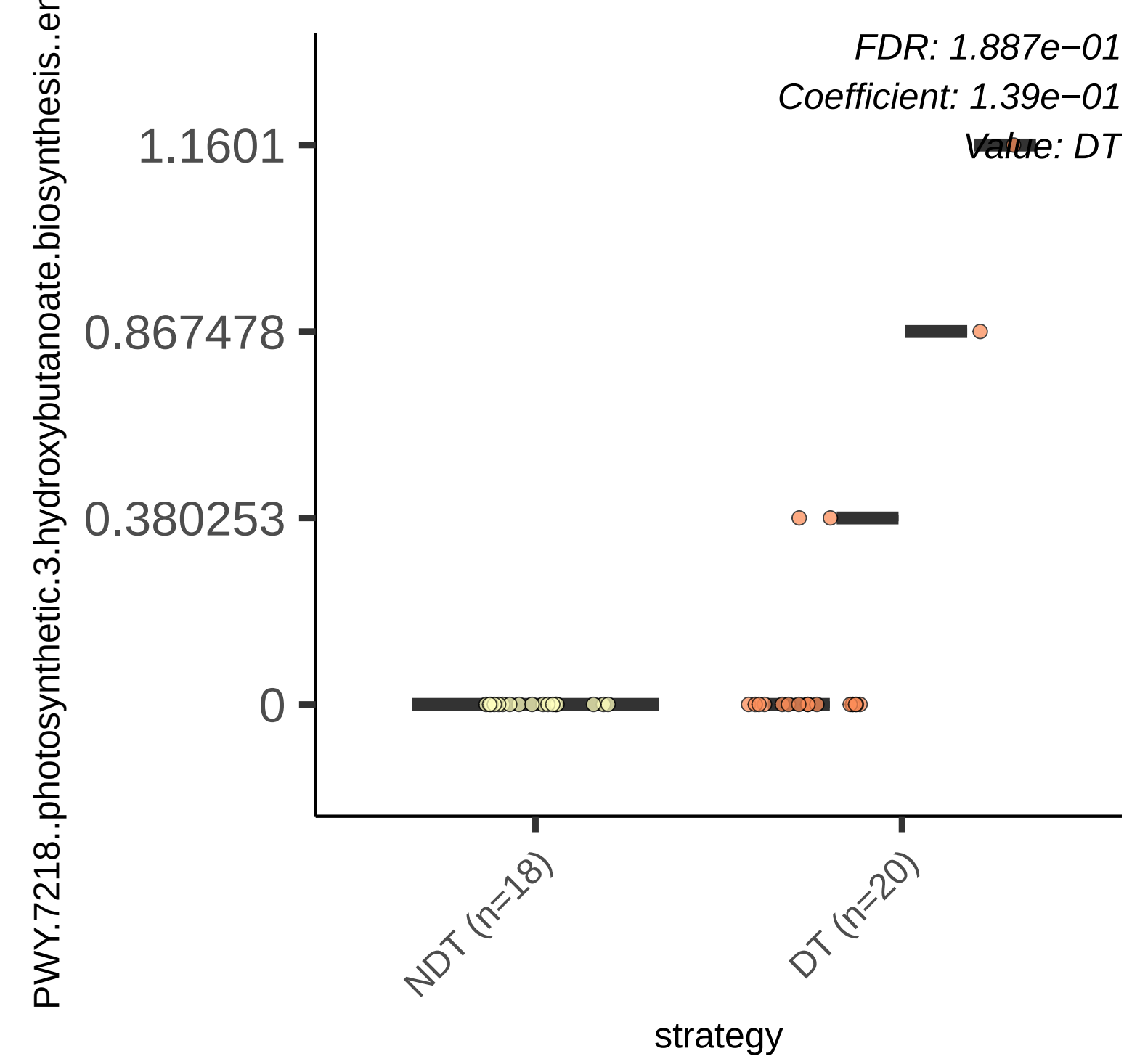

FDR: 1.701e−01
Coefficient: −1.76e+00
Value: DT
PWY.3801..sucrose.degradation.II..sucrose.synthase.
0
NDT (n=18)
DT (n=20)
strategy

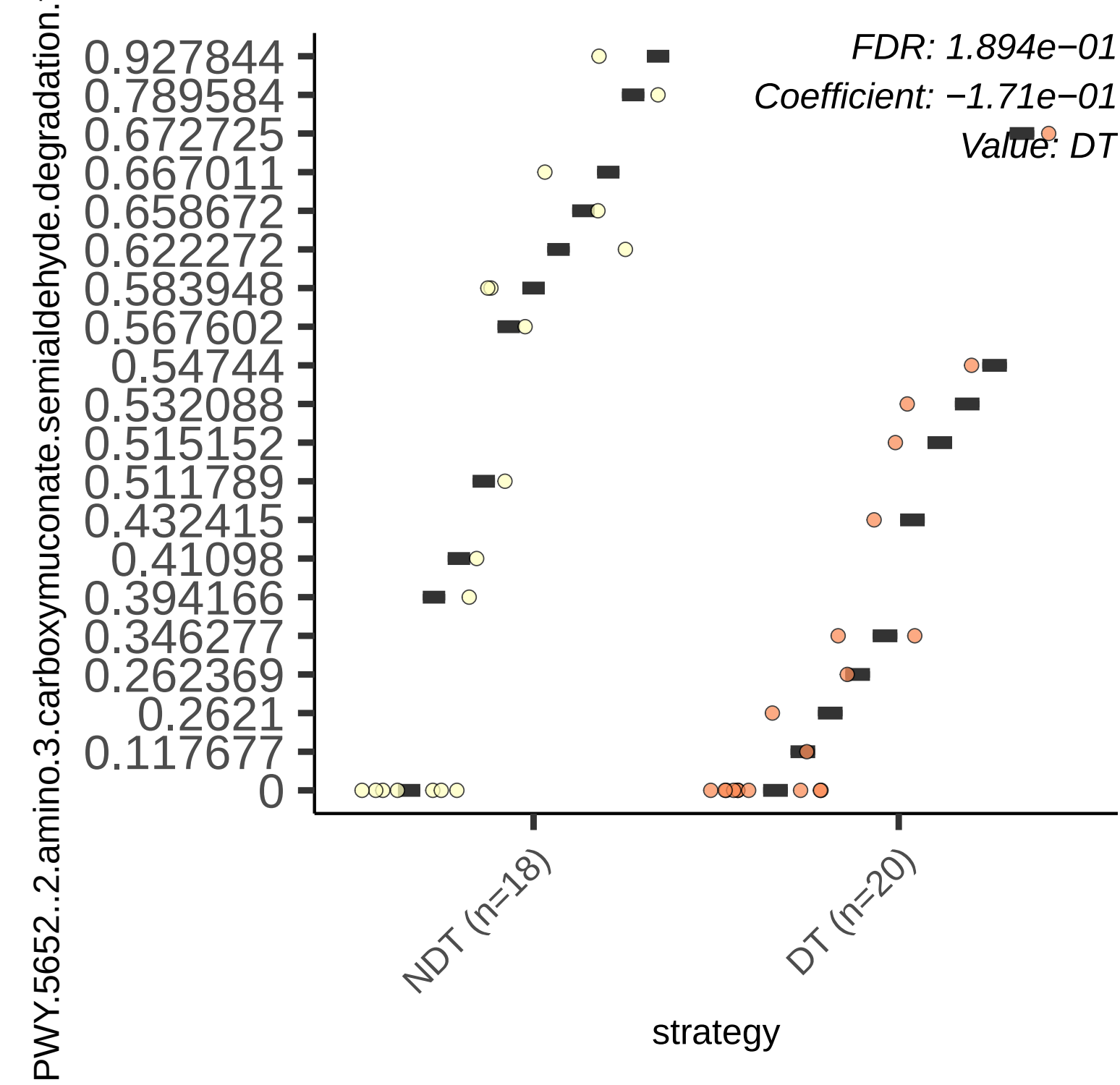

FDR: 1.754e−01
Coefficient: −5.57e+00
Value: DT
PWY.7229..superpathway.of.adenosine.nucleotides.de.novo.bio
NDT (n=18)
DT (n=20)
strategy

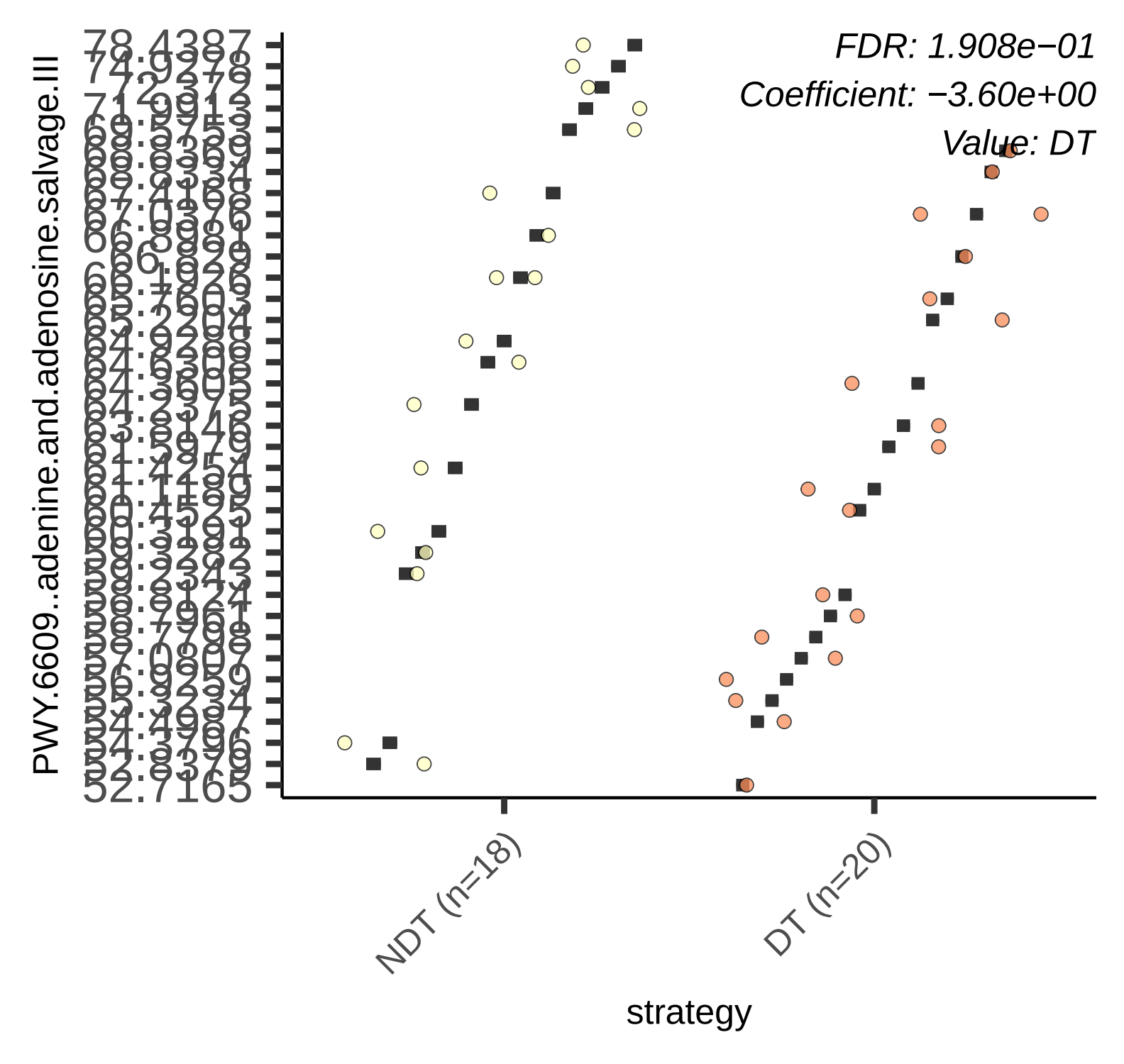

FDR: 1.838e−01
Coefficient: 8.99e+00
Value: DT
ILEUSYN.PWY..L.isoleucine.biosynthesis.I..from.threoni
NDT (n=18)
DT (n=20)
strategy

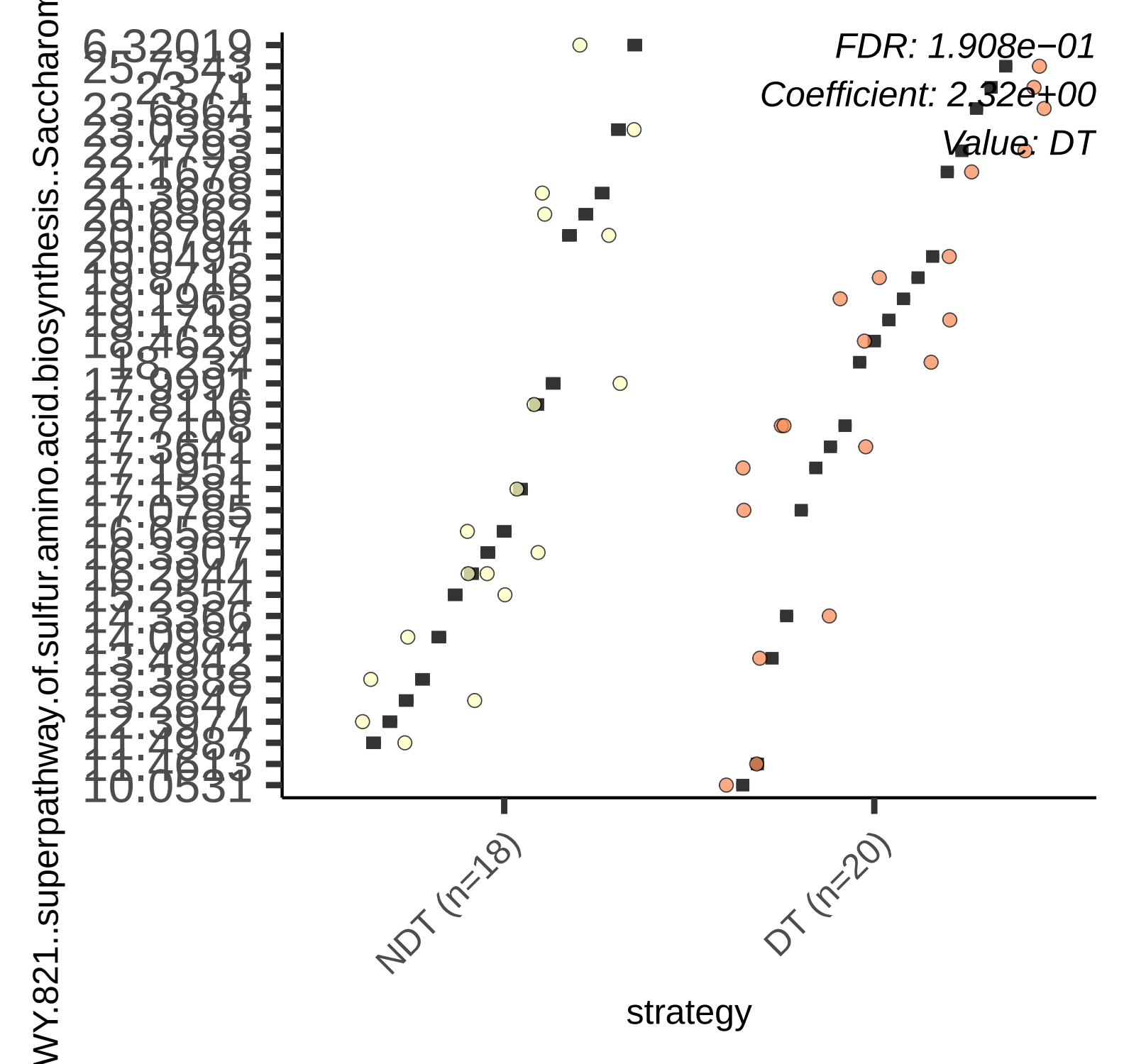

FDR: 1.860e−01
Coefficient: 4.01e+00
Value: DT
TRNA.CHARGING.PWY..tRNA.charging
NDT (n=18)
DT (n=20)
strategy

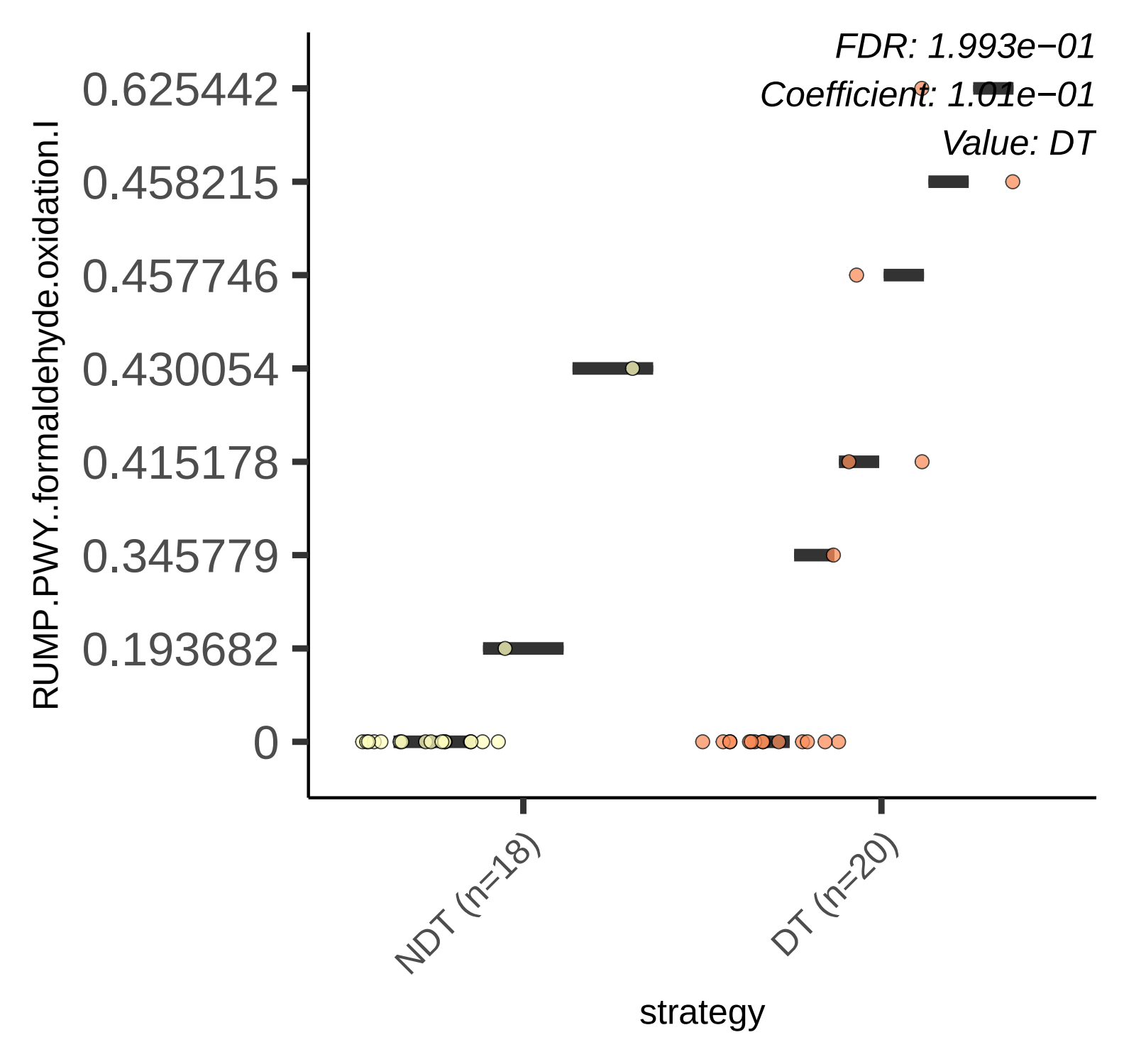

FDR: 1.887e−01
Coefficient: 1.39e−01
Value: DT
PWY.7124..ethene.biosynthesis.V..engineered.
1.15233
0.86265
0.379407
0
NDT (n=18)
DT (n=20)
strategy

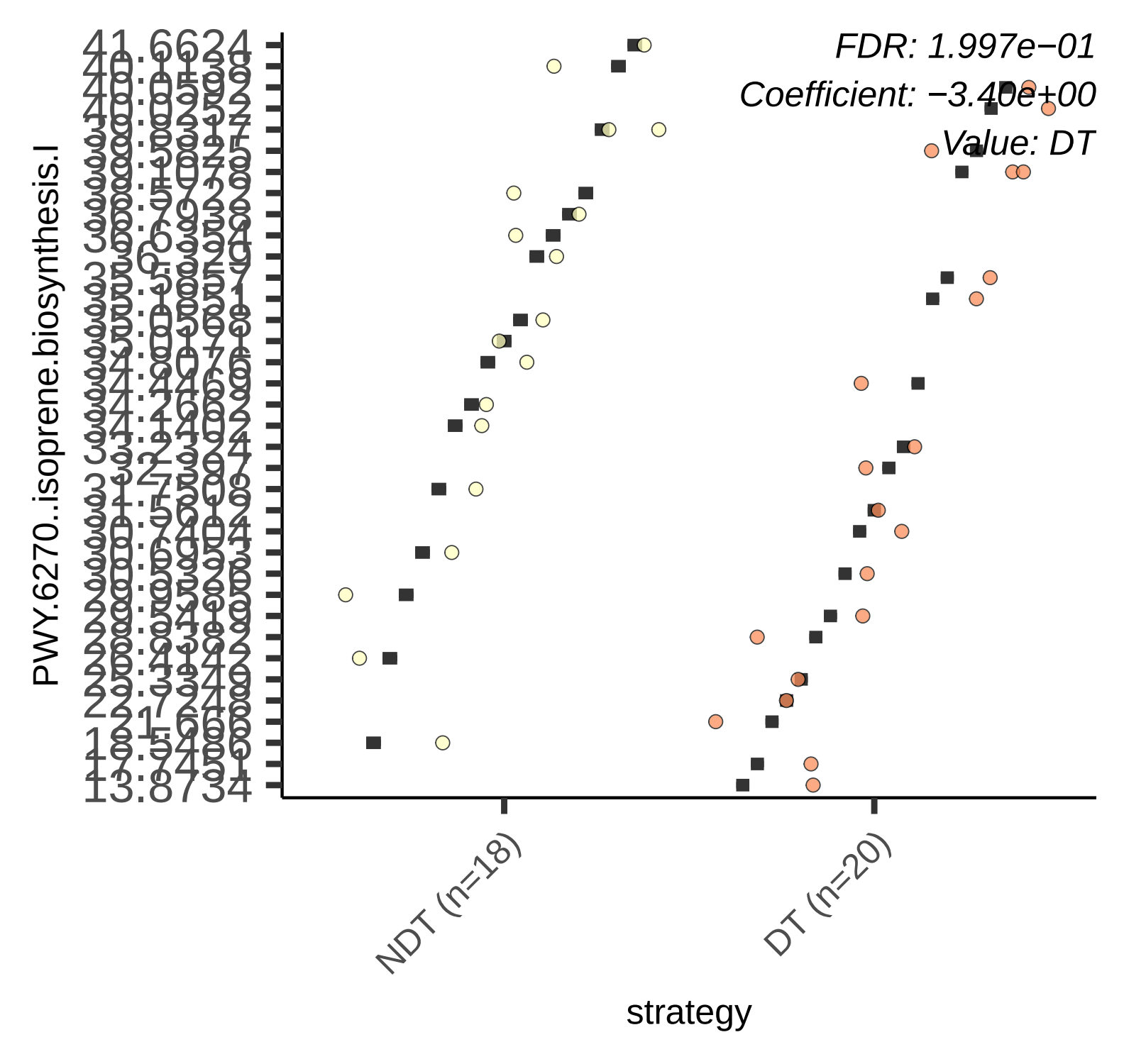

FDR: 1.887e−01
Coefficient: 1.39e−01
Value: DT
1.1601
0.867478
0.380253
0
PWY.7218..photosynthetic.3.hydroxybutanoate.biosynthesis..en
NDT (n=18)
DT (n=20)
strategy

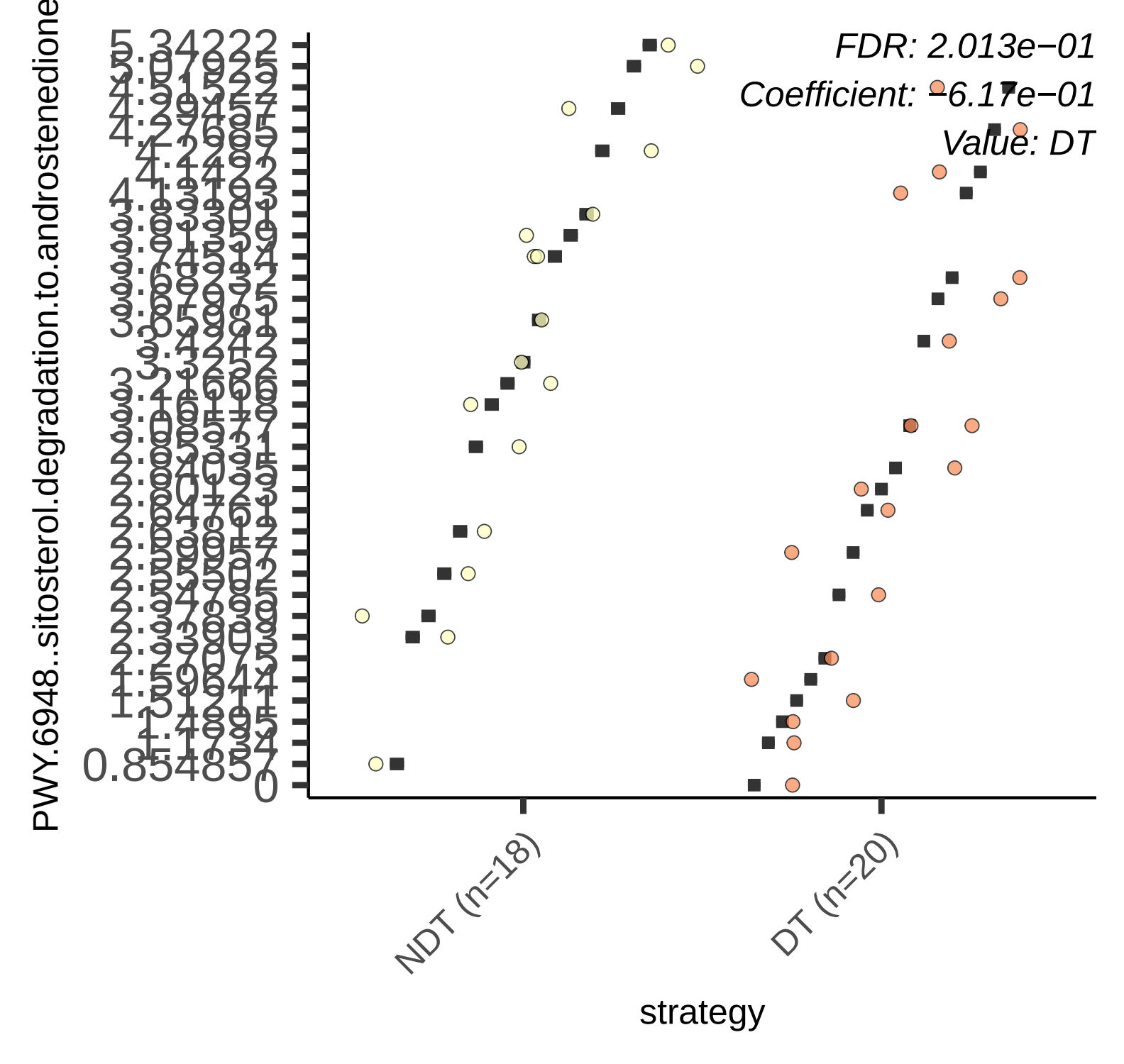

FDR: 1.894e−01
Coefficient: −1.71e−01
Value: DT
0.927844
0.789584
0.672725
0.667011
0.658672
0.622272
0.583948
0.567602
0.54744
0.532088
0.515152
0.511789
0.432415
0.41098
0.394166
0.346277
0.262369
0.2621
0.117677
0
NDT (n=18)
DT (n=20)
strategy
PWY.5652..2.amino.3.carboxymuconate.semialdehyde.degradation.

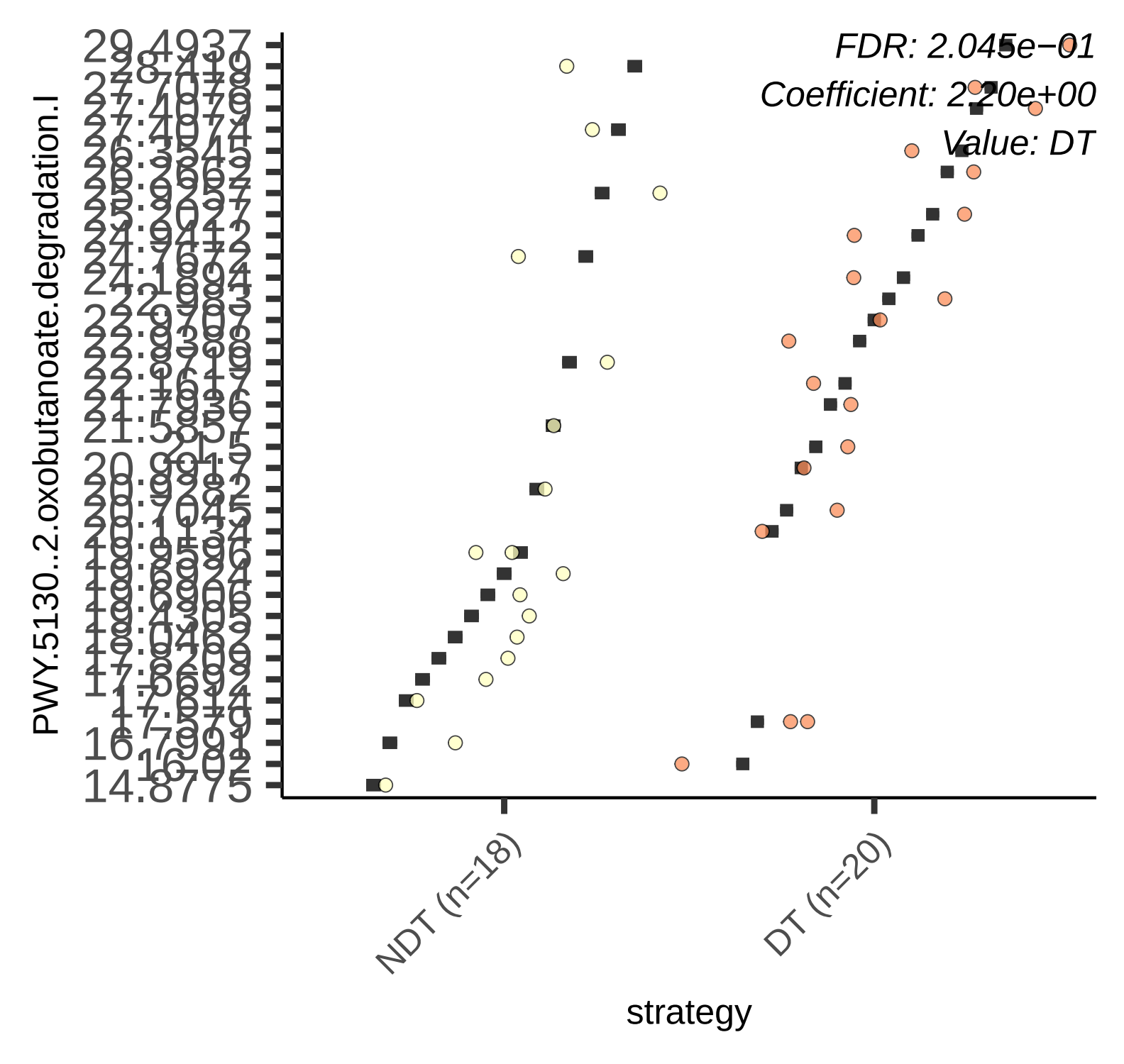

FDR: 1.908e−01
Coefficient: −3.60e+00
Value: DT
PWY.6609..adenine.and.adenosine.salvage.III
NDT (n=18)
DT (n=20)
strategy

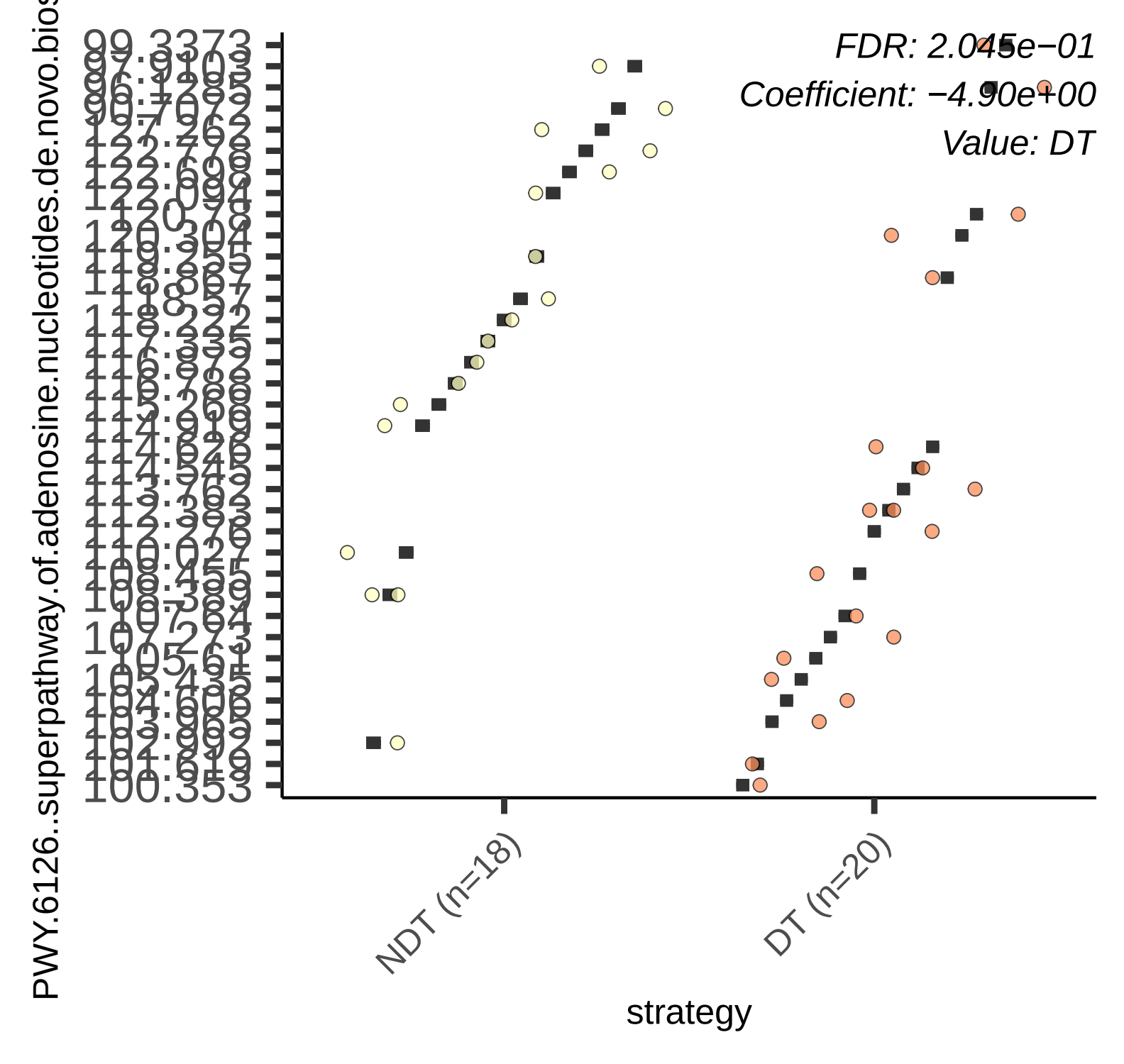

FDR: 1.908e−01
Coefficient: 2.32e+00
Value: DT
NDT (n=18)
DT (n=20)
strategy
WY.821..superpathway.of.sulfur.amino.acid.biosynthesis..Saccharom

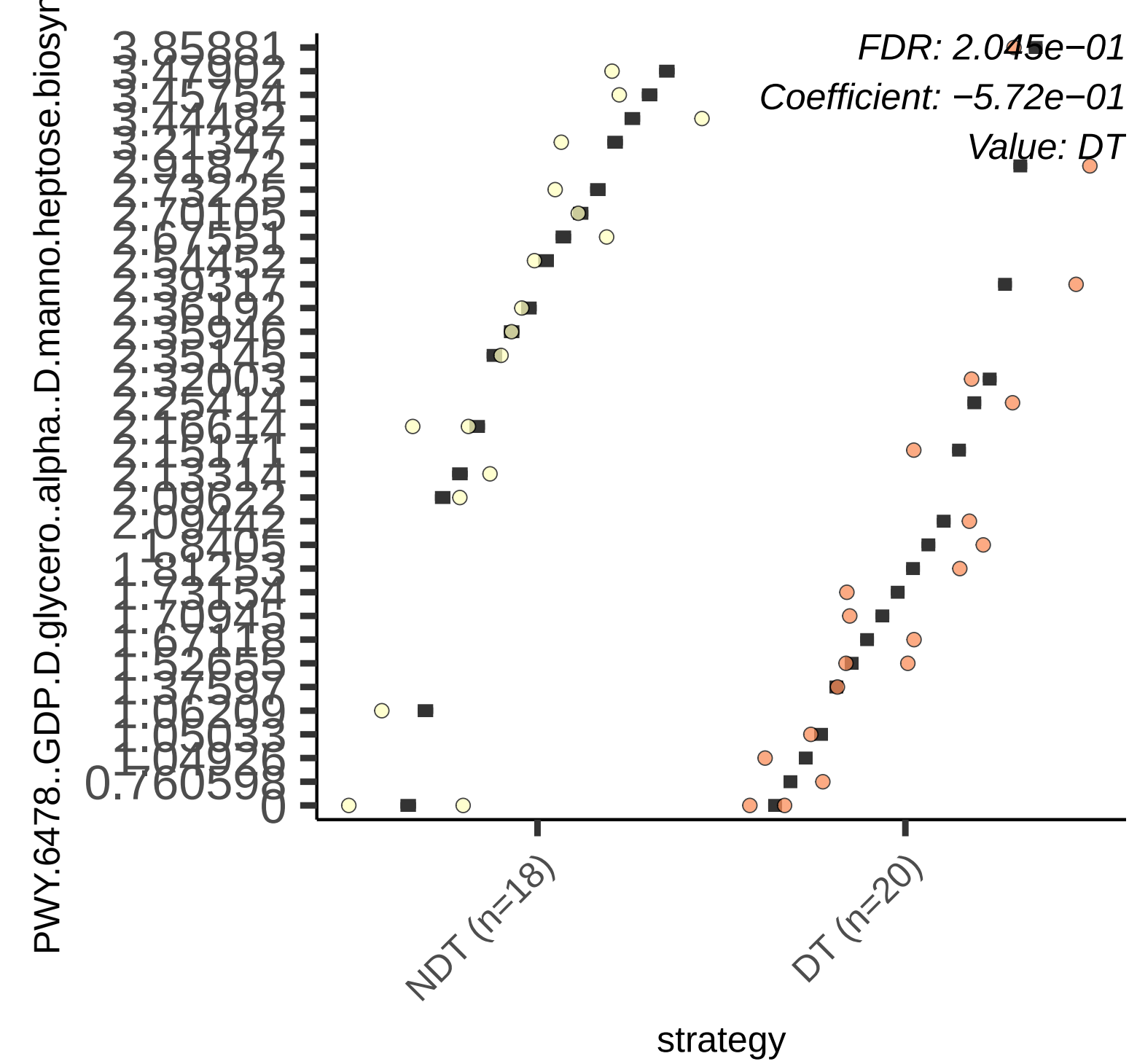

FDR: 1.993e−01
Coefficient: 1.01e−01
Value: DT
RUMP.PWY..formaldehyde.oxidation.I
0.625442
0.458215
0.457746
0.430054
0.415178
0.345779
0.193682
0
NDT (n=18)
DT (n=20)
strategy

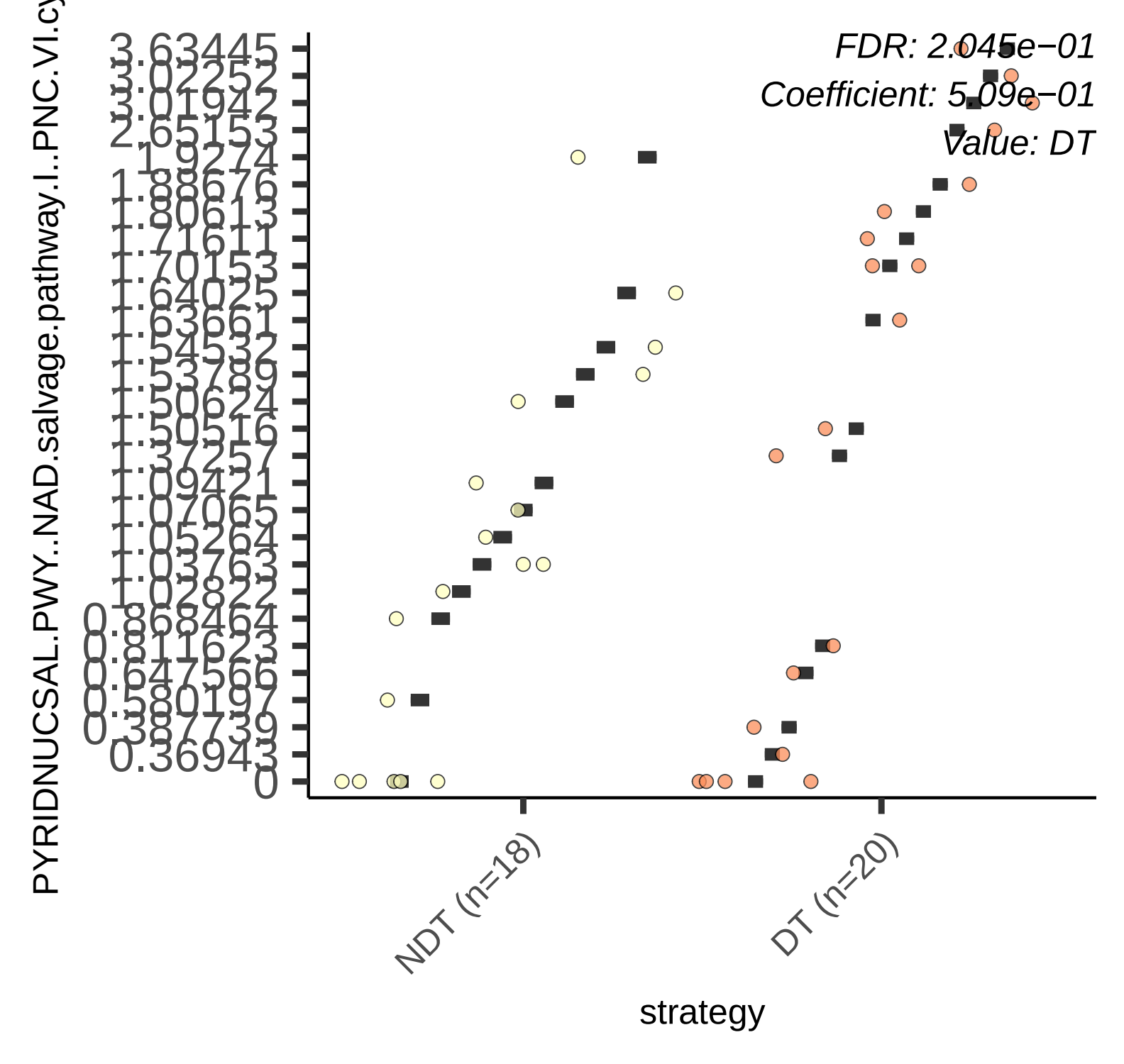

FDR: 1.997e−01
Coefficient: −3.40e+00
Value: DT
PWY.6270..isoprene.biosynthesis.I
NDT (n=18)
DT (n=20)
strategy

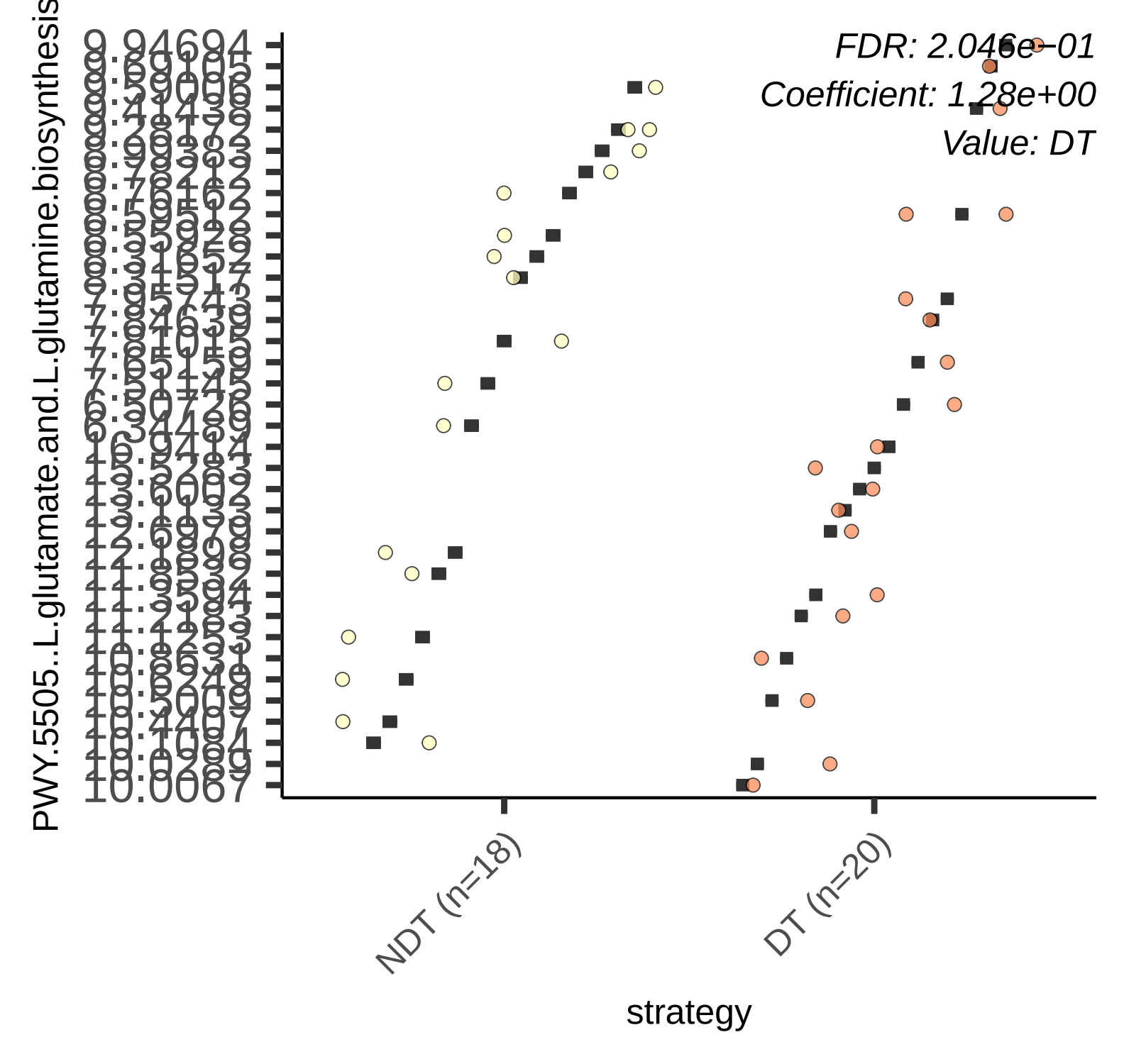

FDR: 2.013e−01
Coefficient: −6.17e−01
Value: DT
PWY.6948..sitosterol.degradation.to.androstenedione
NDT (n=18)
DT (n=20)
strategy

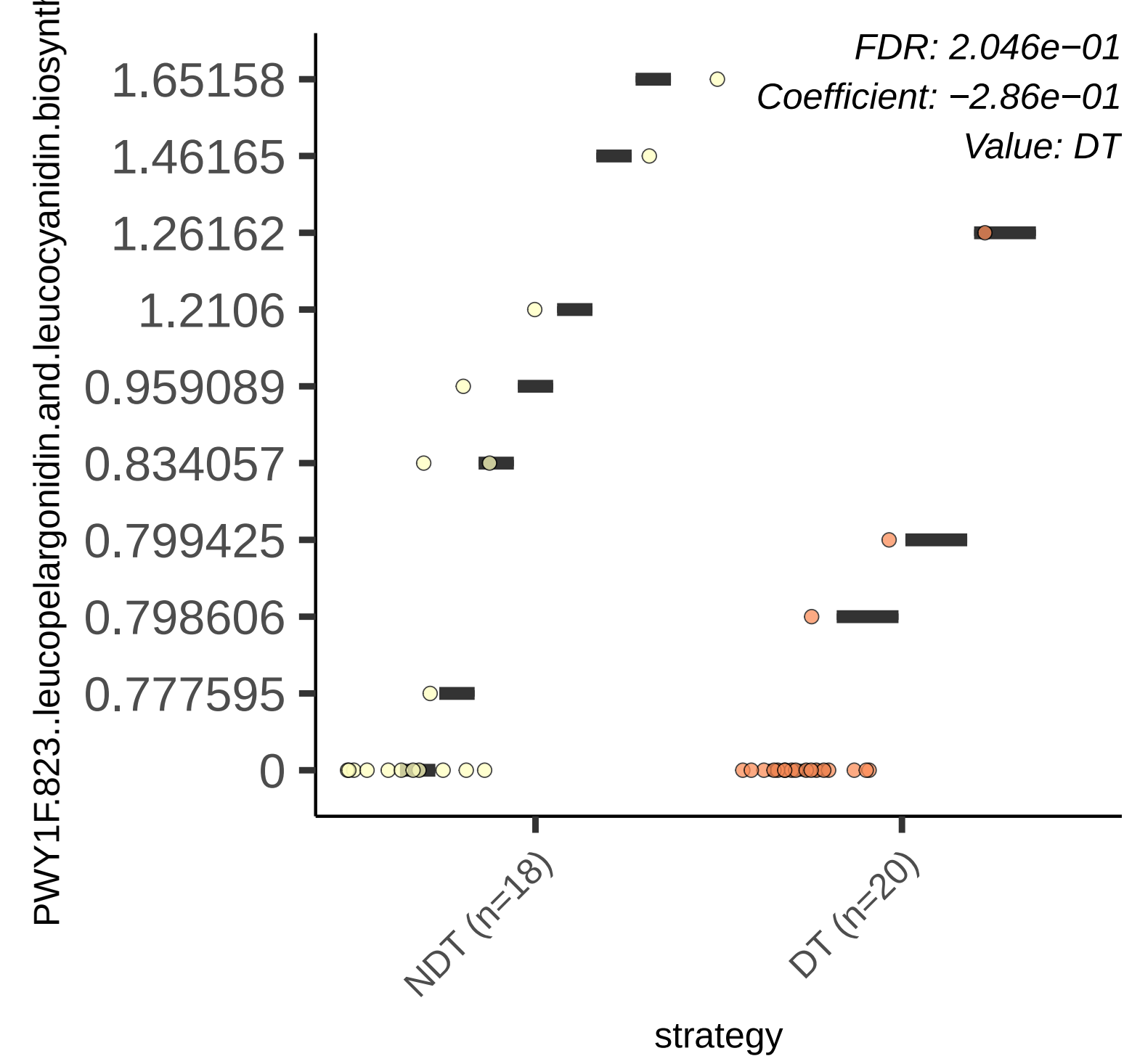

FDR: 2.045e−01
Coefficient: 2.20e+00
Value: DT
PWY.5130..2.oxobutanoate.degradation.I
NDT (n=18)
DT (n=20)
strategy

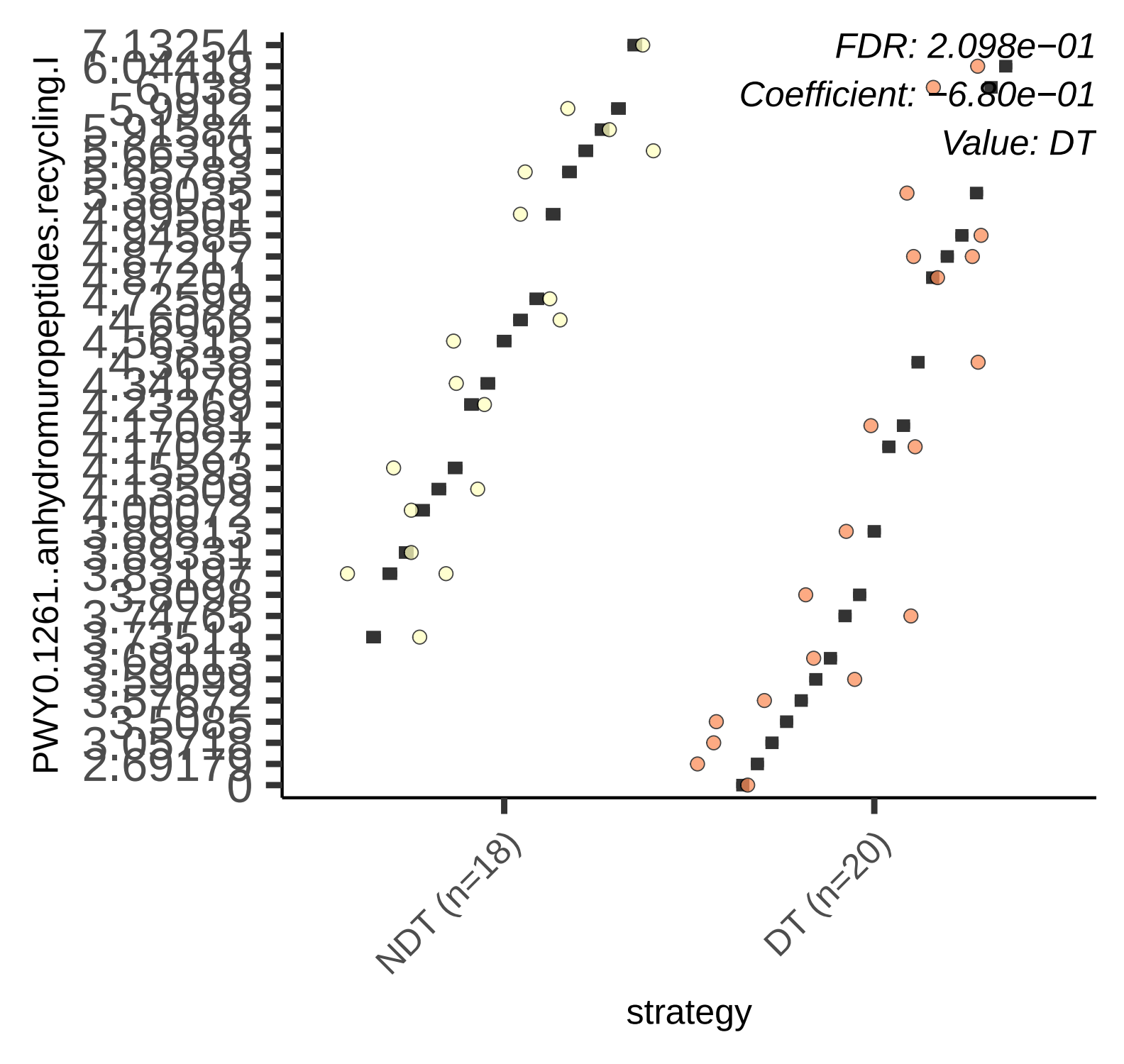

FDR: 2.045e−01
Coefficient: −4.90e+00
Value: DT
PWY.6126..superpathway.of.adenosine.nucleotides.de.novo.biosynthesis.II
NDT (n=18)
DT (n=20)
strategy

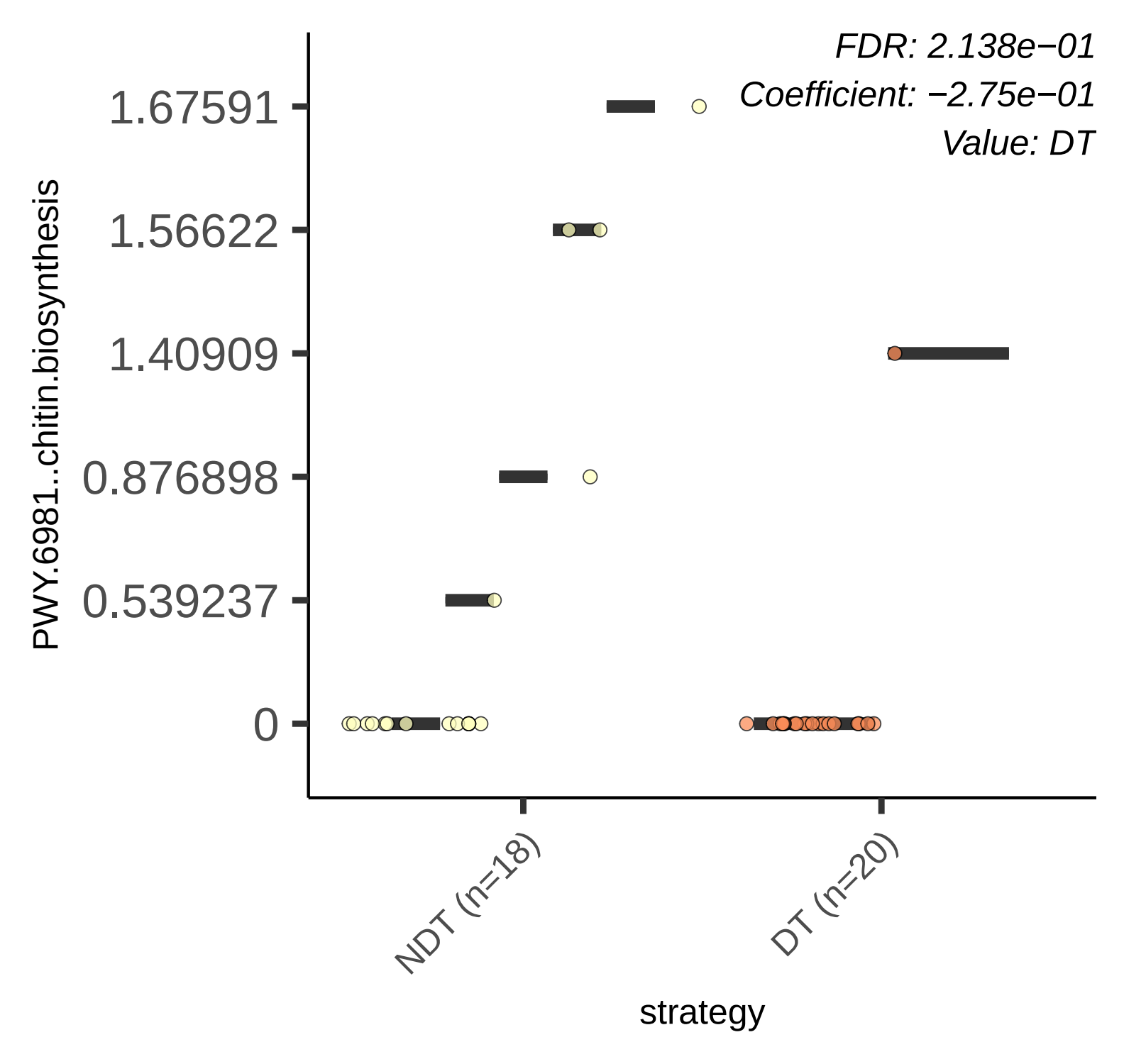

FDR: 2.045e−01
Coefficient: −5.72e−01
Value: DT
PWY.6478..GDP.D.glycero..alpha..D.manno.heptose.biosyn
0
NDT (n=18)
DT (n=20)
strategy

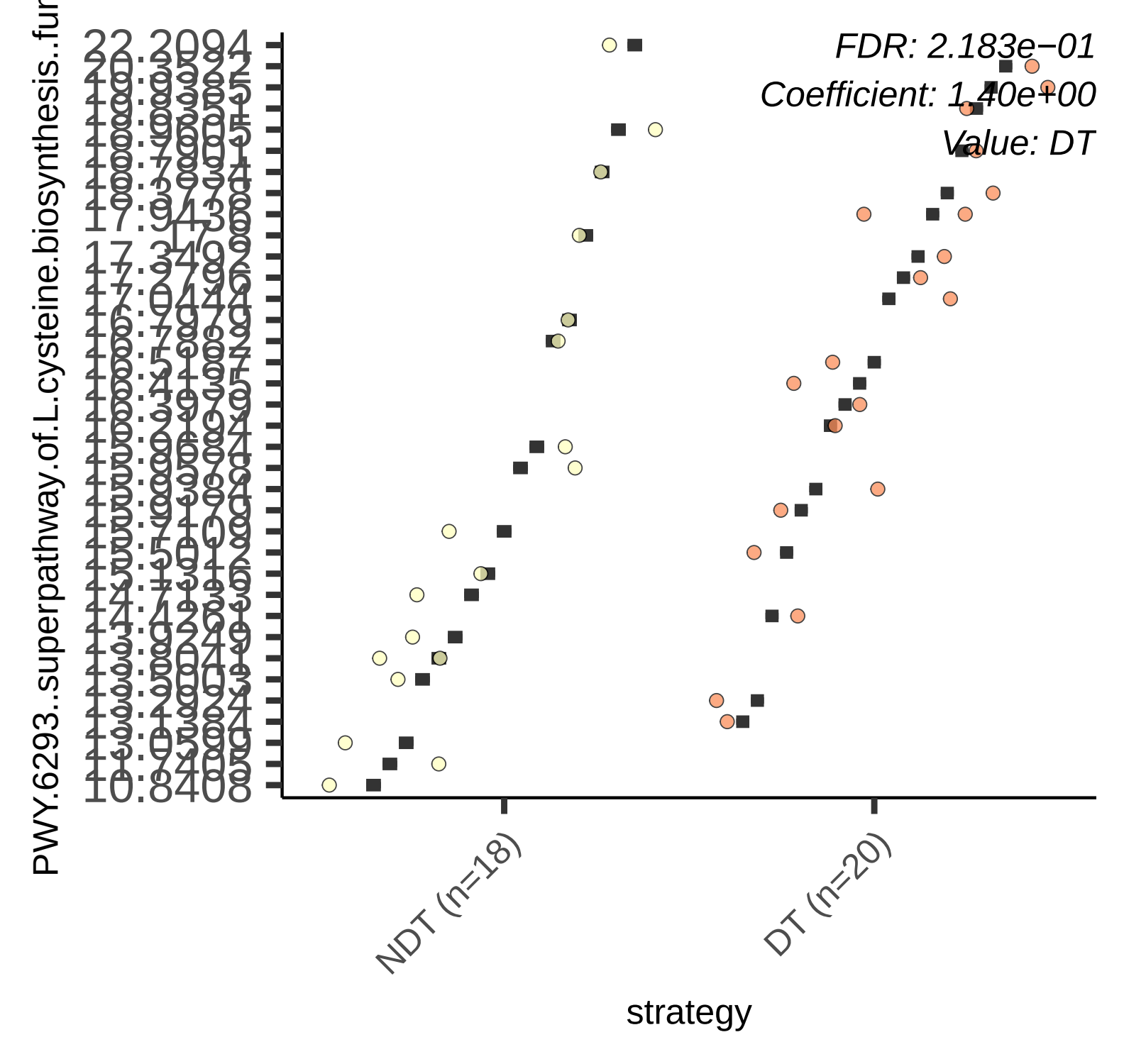

FDR: 2.045e−01
Coefficient: 5.09e−01
Value: DT
PYRIDNUCSAL.PWY..NAD.salvage.pathway.I..PNC.VI.cy
3.63445
3.02252
2.65153
1.9274
1.88676
1.80613
1.71611
1.70153
1.64025
1.63661
1.54532
1.53789
1.50624
1.50516
1.37257
1.09421
1.07065
1.05264
1.03763
1.02822
0.68464
0.64756
0.38019
0.37739
0.36943
0
NDT (n=18)
DT (n=20)
strategy

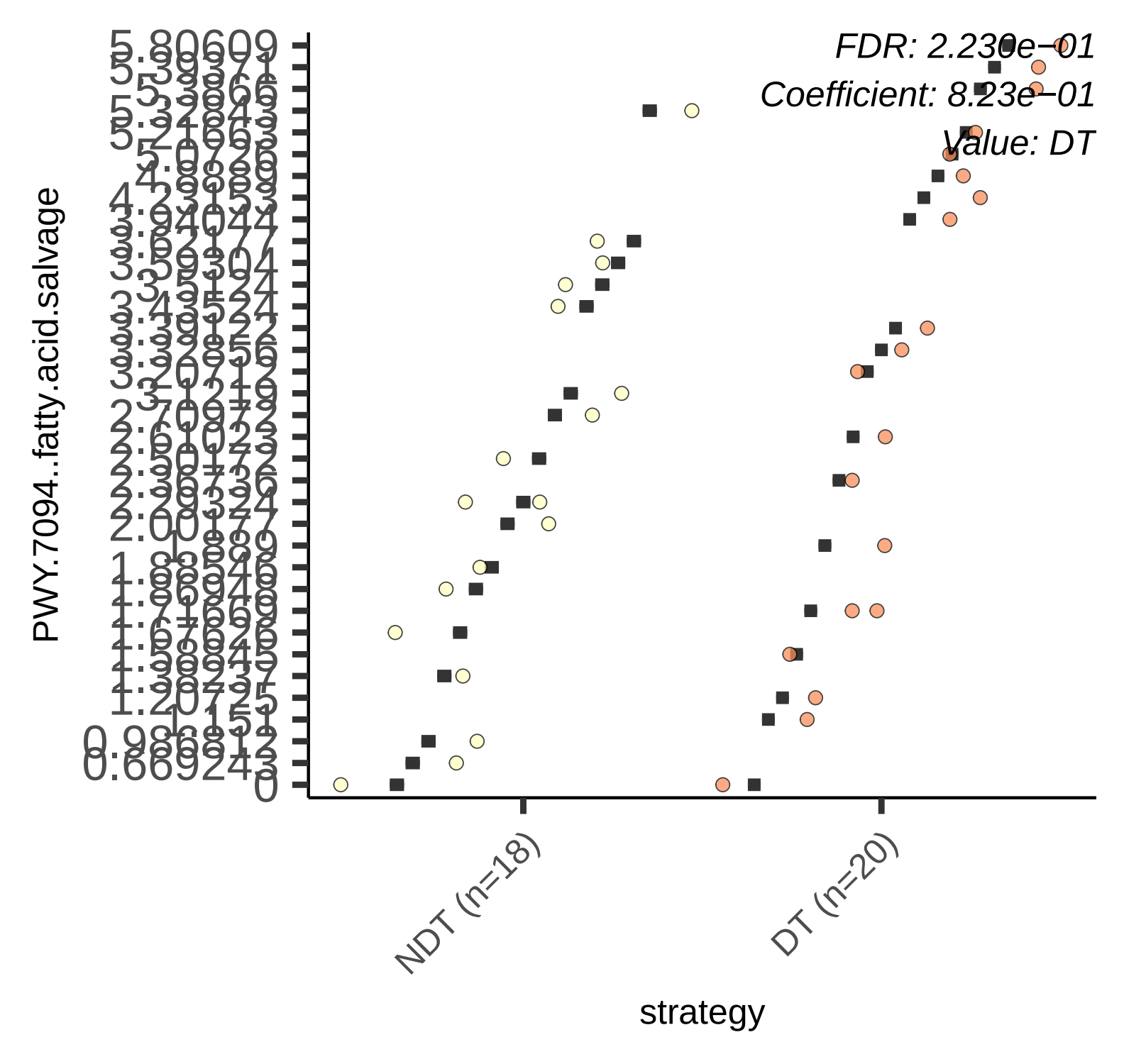

FDR: 2.046e−01
Coefficient: 1.28e+00
Value: DT
PWY.5505..L.glutamate.and.L.glutamine.biosynthesis
NDT (n=18)
DT (n=20)
strategy

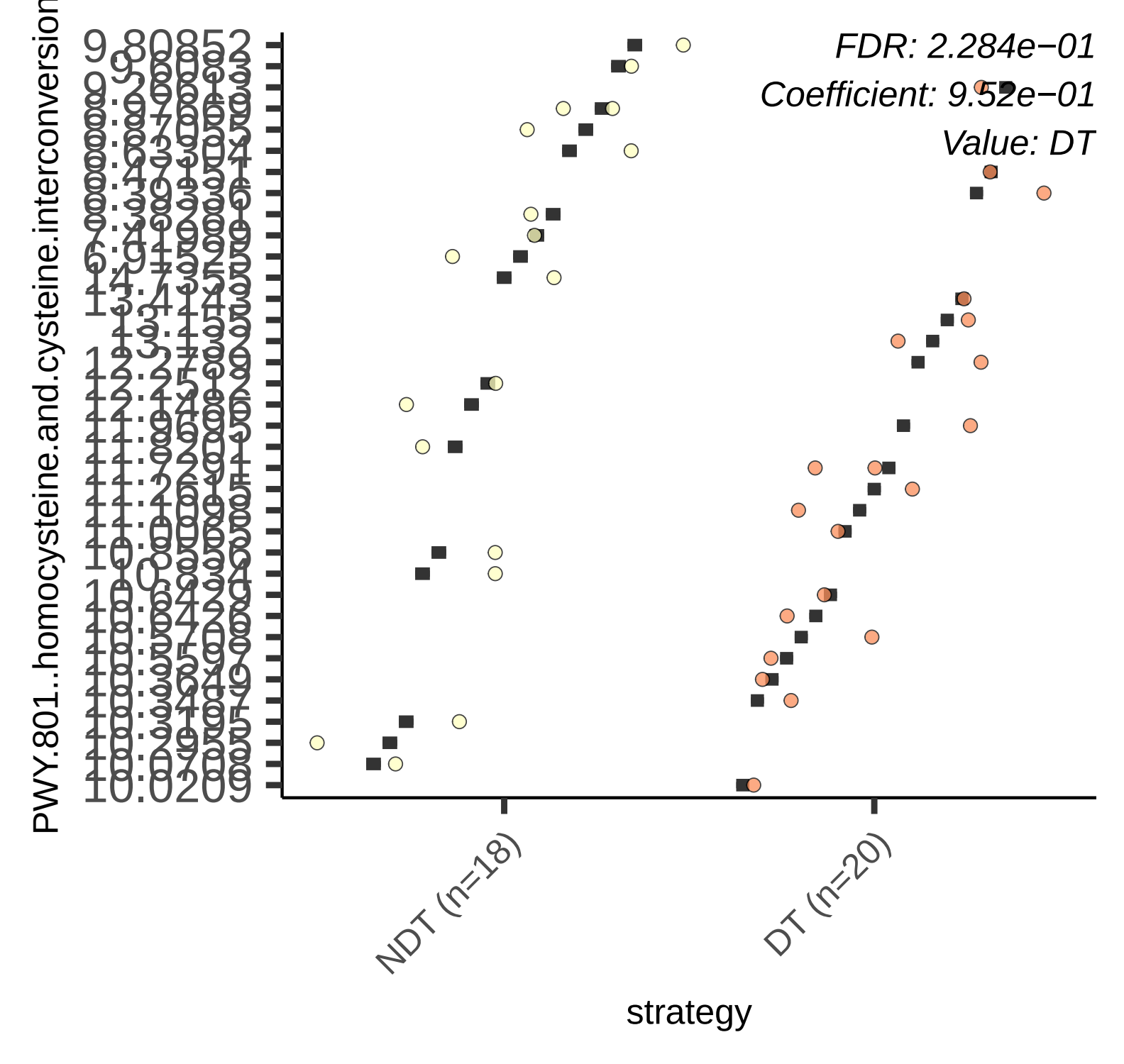

FDR: 2.046e−01
Coefficient: −2.86e−01
Value: DT
PWY1F.823..leucopelargonidin.and.leucocyanidin.biosynth
1.65158
1.46165
1.26162
1.2106
0.959089
0.834057
0.799425
0.798606
0.777595
0
NDT (n=18)
DT (n=20)
strategy

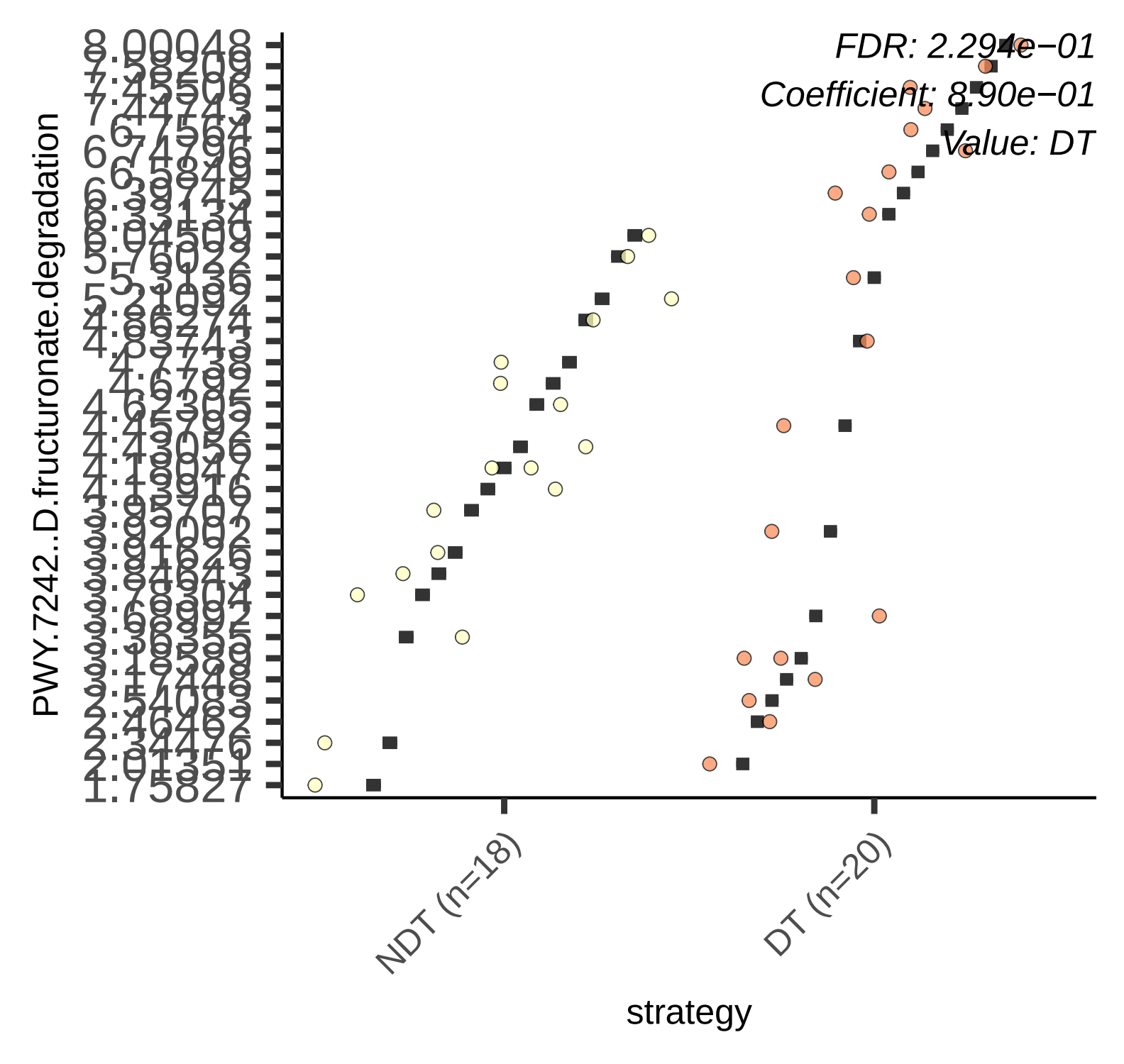

FDR: 2.098e−01
Coefficient: −6.80e−01
Value: DT
PWY0.1261..anhydromuropeptides.recycling.I
NDT (n=18)
DT (n=20)
strategy

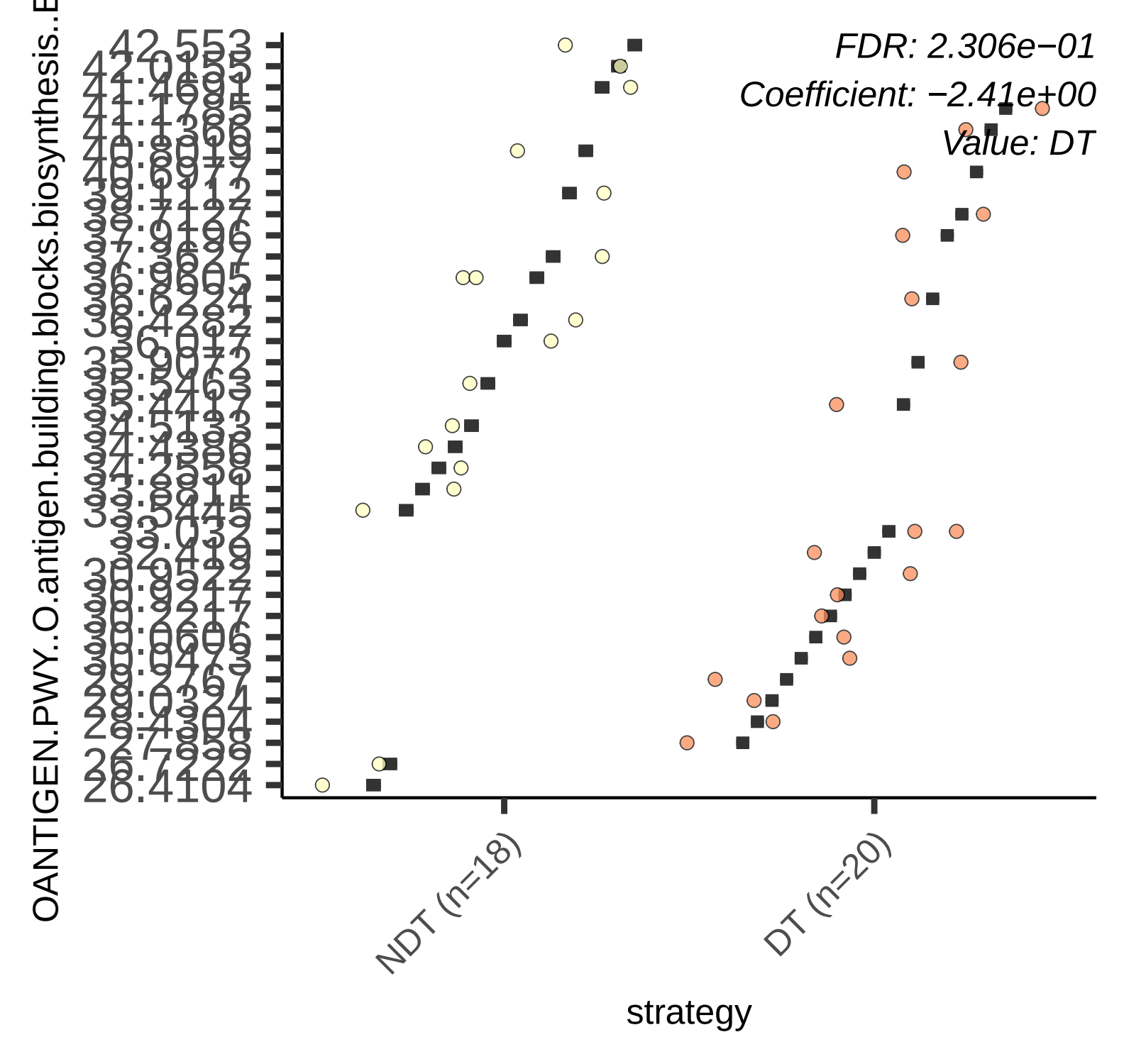

FDR: 2.138e−01
Coefficient: −2.75e−01
Value: DT
PWY.6981..chitin.biosynthesis
1.67591
1.56622
1.40909
0.876898
0.539237
0
NDT (n=18)
DT (n=20)
strategy

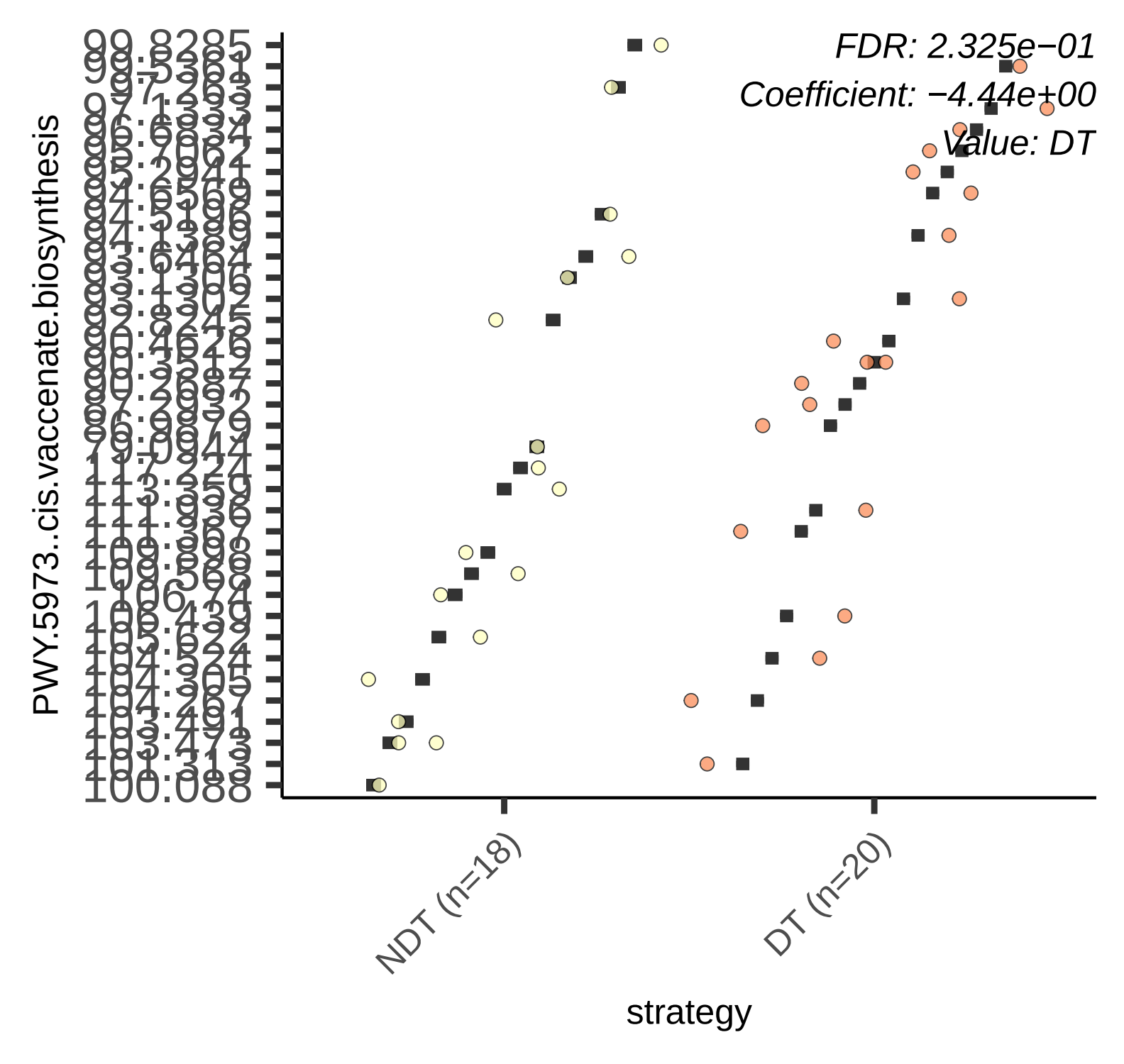

FDR: 2.183e−01
Coefficient: 1.40e+00
Value: DT
PWY.6293..superpathway.of.L.cysteine.biosynthesis..fun
NDT (n=18)
DT (n=20)
strategy

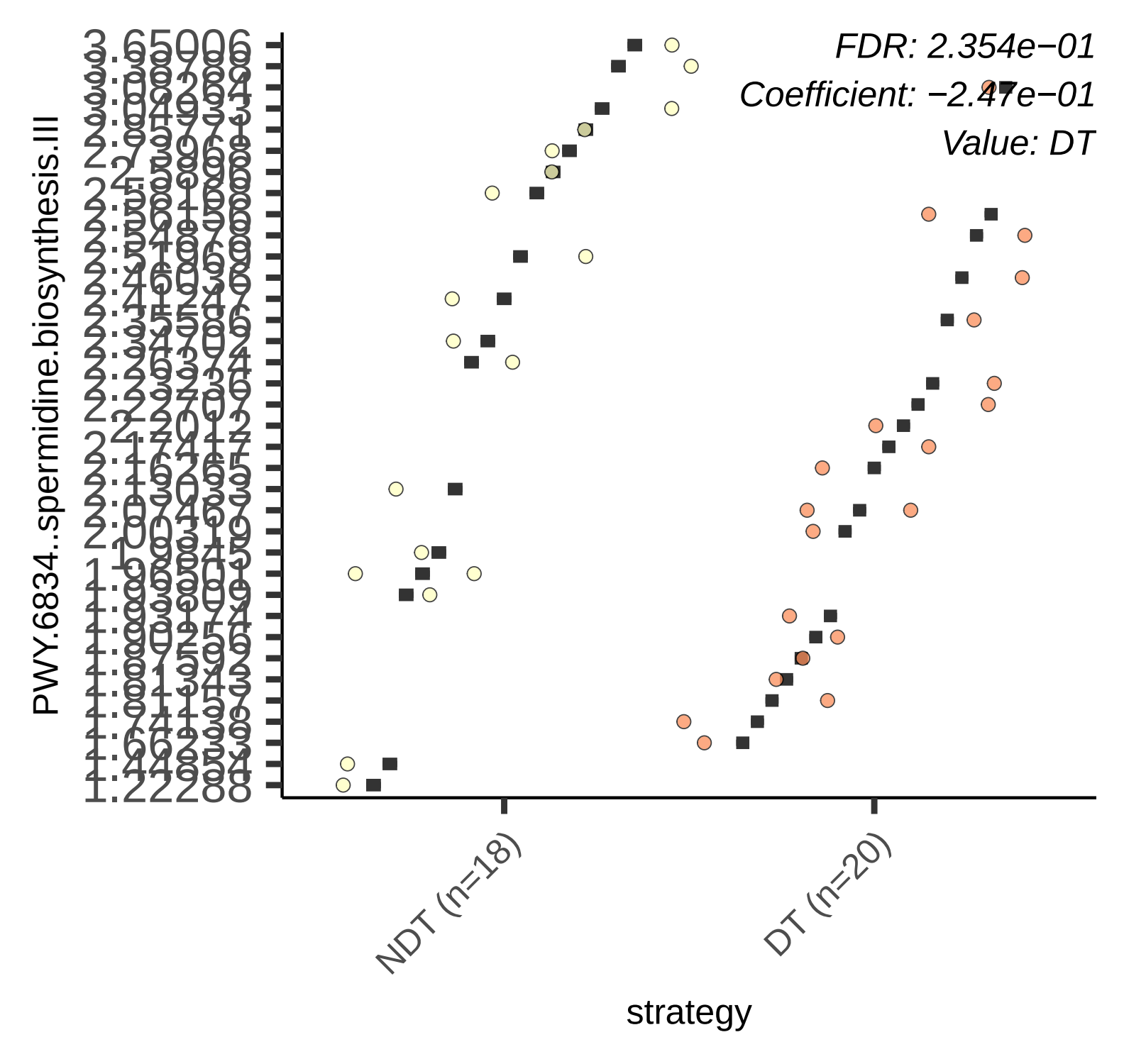

FDR: 2.230e−01
Coefficient: 8.23e−01
Value: DT
PWY.7094..fatty.acid.salvage
NDT (n=18)
DT (n=20)
strategy

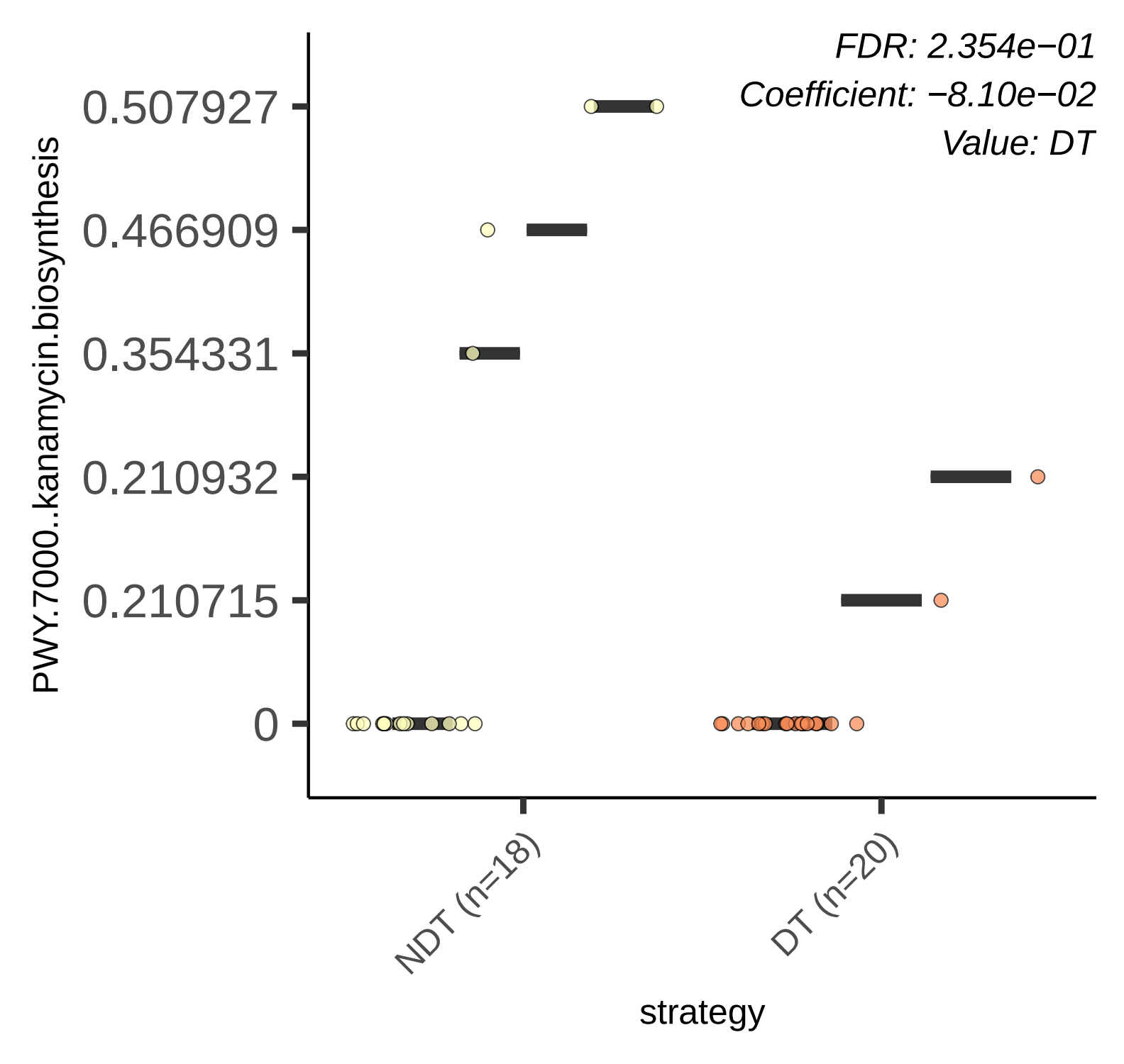

FDR: 2.284e−01
Coefficient: 9.52e−01
Value: DT
PWY.801..homocysteine.and.cysteine.interconversion
NDT (n=18)
DT (n=20)
strategy

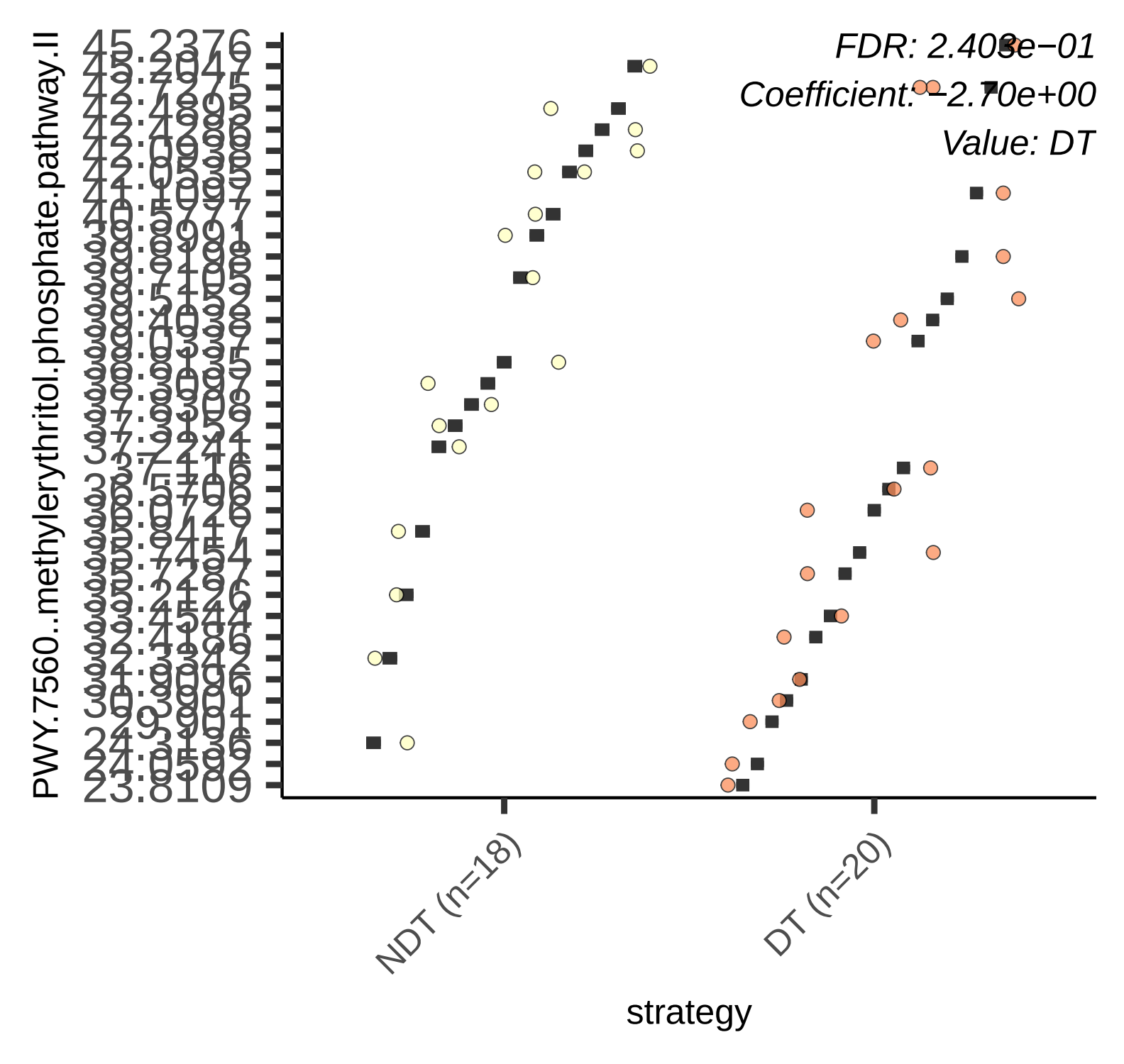

FDR: 2.294e−01
Coefficient: 8.90e−01
Value: DT
PWY.7242..D.fructuronate.degradation
NDT (n=18)
DT (n=20)
strategy

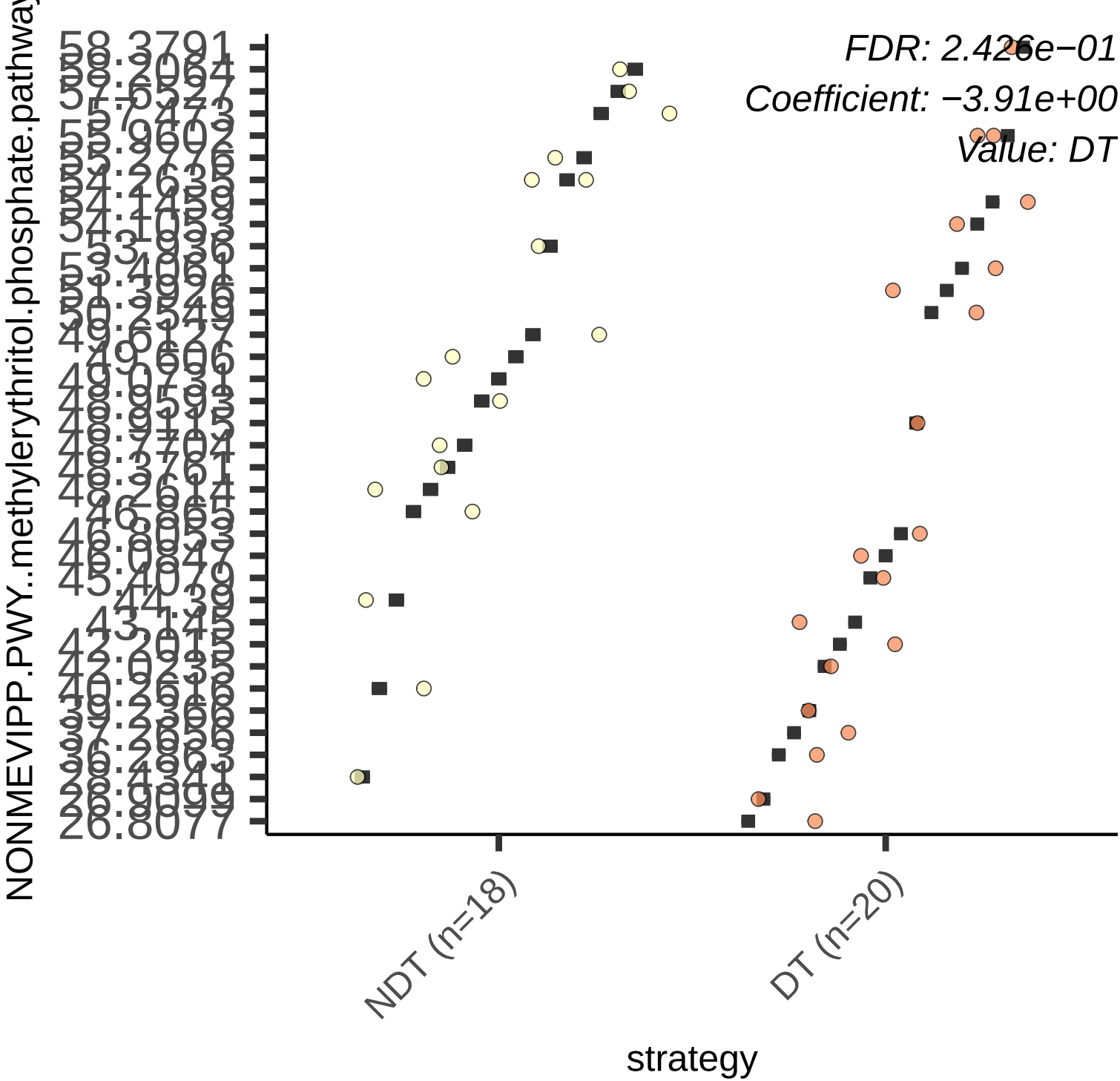

FDR: 2.306e−01
Coefficient: −2.41e+00
Value: DT
OANTIGEN.PWY..O.antigen.building.blocks.biosynthesis..E
NDT (n=18)
DT (n=20)
strategy

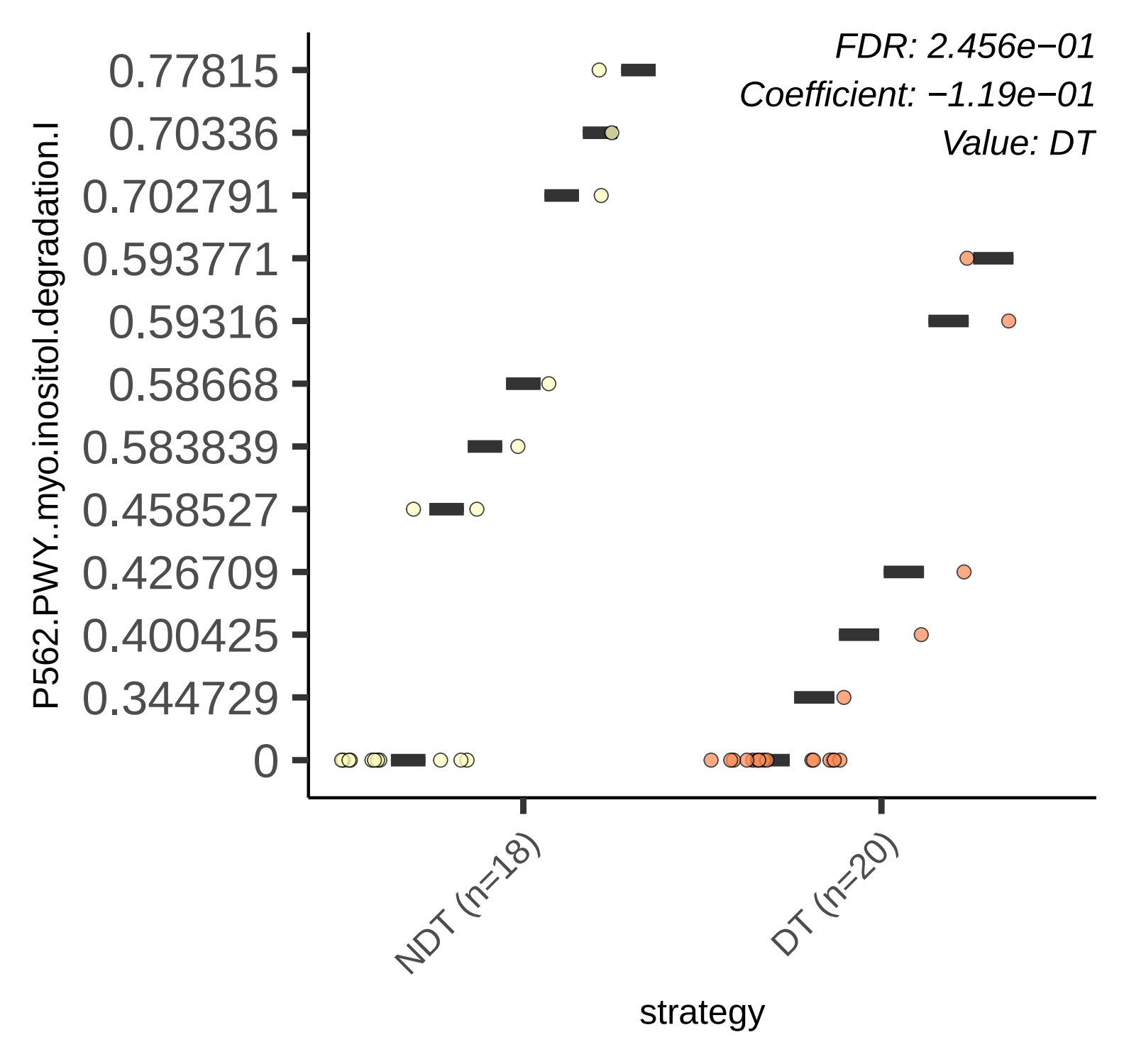

FDR: 2.325e−01
Coefficient: −4.44e+00
Value: DT
PWY.5973..cis.vaccenate.biosynthesis
NDT (n=18)
DT (n=20)
strategy


FDR: 2.354e−01
Coefficient: −2.47e−01
Value: DT
PWY.6834..spermidine.biosynthesis.III
NDT (n=18)
DT (n=20)
strategy

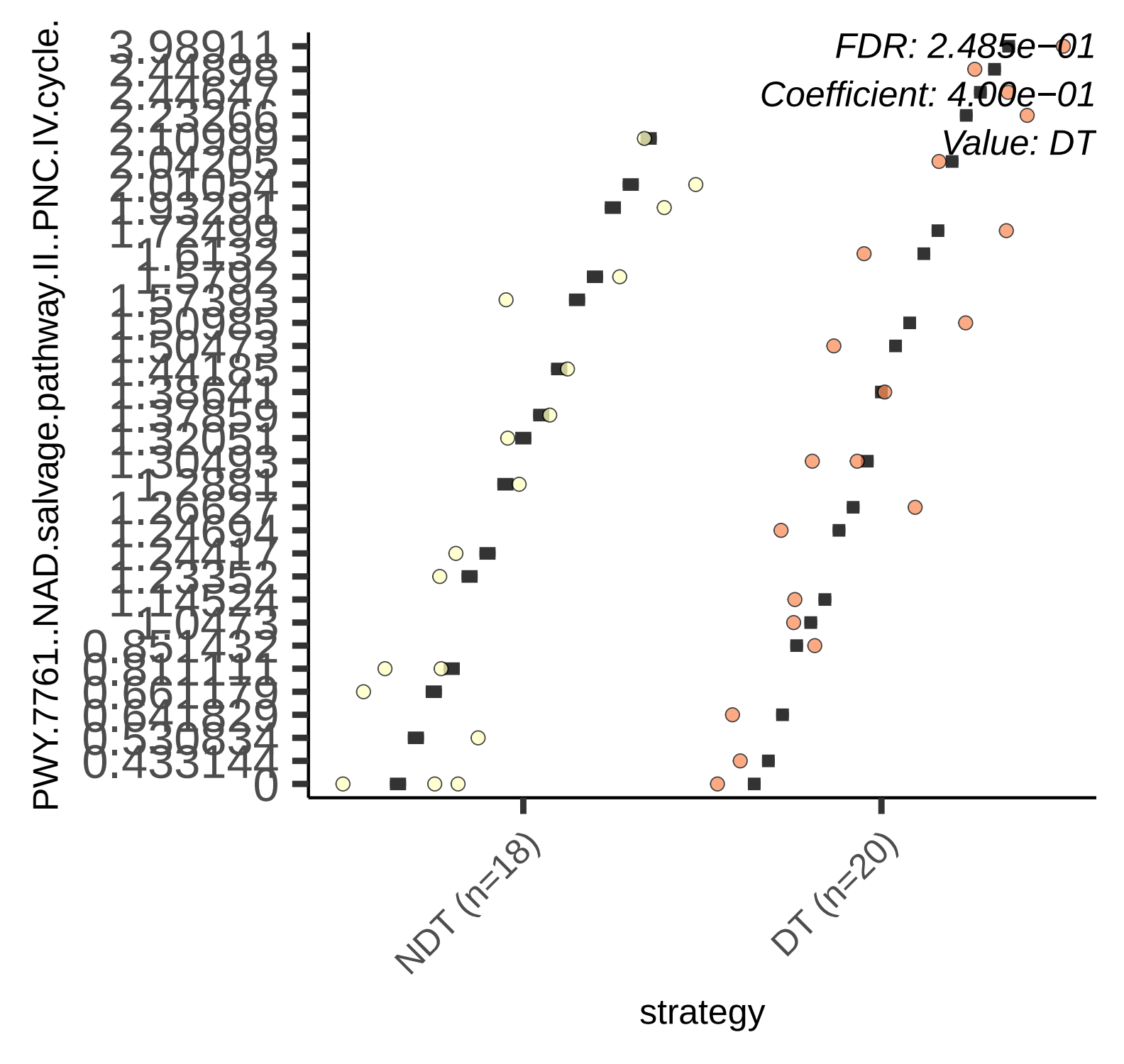

FDR: 2.354e−01
Coefficient: −8.10e−02
Value: DT
PWY.7000..kanamycin.biosynthesis
0.507927
0.466909
0.354331
0.210932
0.210715
0
NDT (n=18)
DT (n=20)
strategy

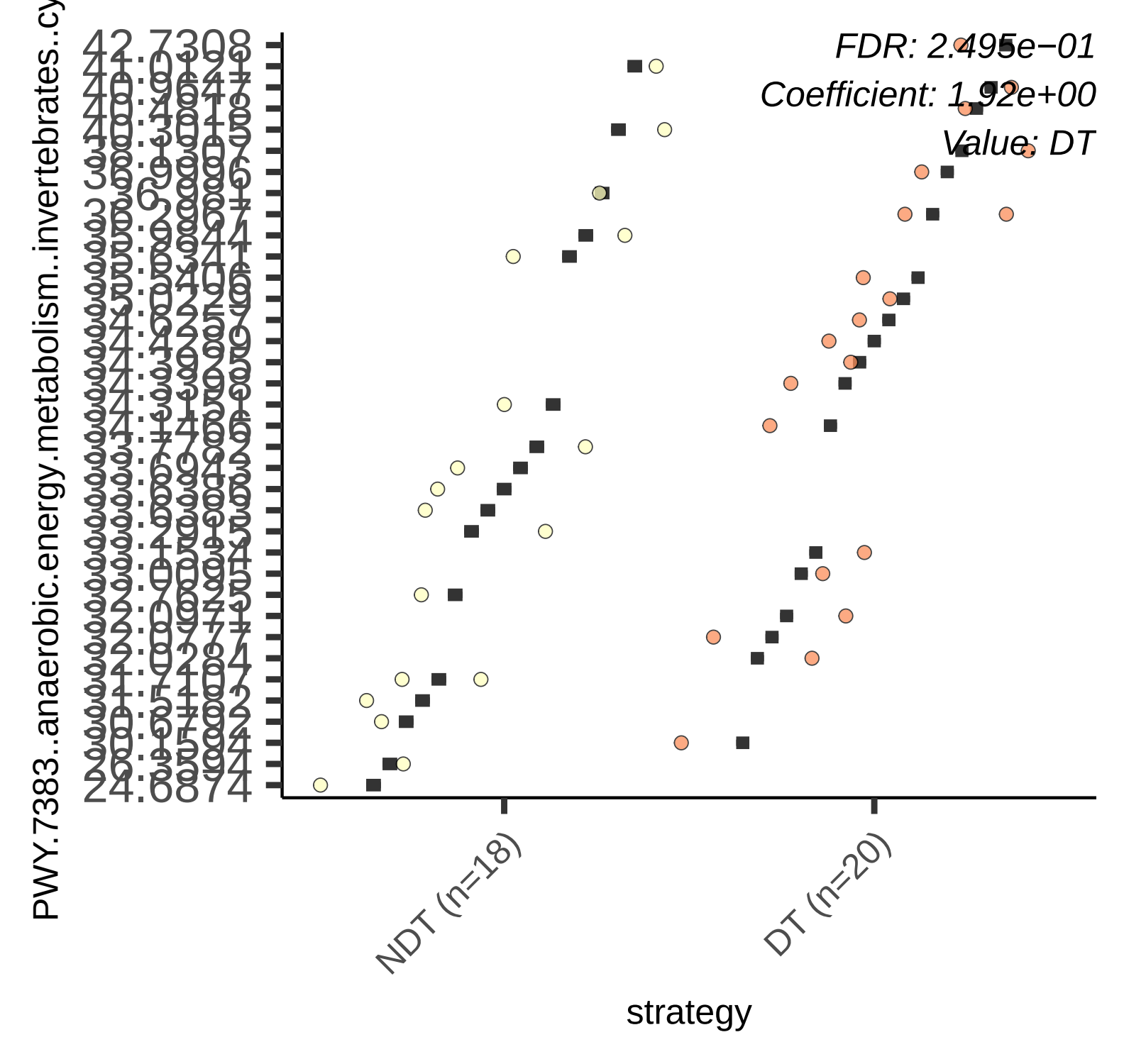

FDR: 2.40e−01
Coefficient: −2.70e+00
Value: DT
PWY.7560..methylerythritol.phosphate.pathway.II
NDT (n=18)
DT (n=20)
strategy


FDR: 2.426e−01
Coefficient: −3.91e+00
Value: DT
NONMEVIPP.PWY..methylerythritol.phosphate.pathway
NDT (n=18)
DT (n=20)
strategy


FDR: 2.456e−01
Coefficient: −1.19e−01
Value: DT
P562.PWY..myo.inositol.degradation.I
0.77815
0.70336
0.702791
0.593771
0.59316
0.58668
0.583839
0.458527
0.426709
0.400425
0.344729
0
NDT (n=18)
DT (n=20)
strategy

FDR: 2.456e−01
Coefficient: 3.69e+00
Value: DT
PWY.724..superpathway.of.L.lysine..L.threonine.and.L.methionine.b
NDT (n=18)
DT (n=20)
strategy


FDR: 2.485e−01
Coefficient: 4.00e−01
Value: DT
PWY.7761..NAD.salvage.pathway.II..PNC.IV.cycle.
NDT (n=18)
DT (n=20)
strategy


FDR: 2.495e−01
Coefficient: 1.92e+00
Value: DT
PWY.7383..anaerobic.energy.metabolism..invertebrates..cy
NDT (n=18)
DT (n=20)
strategy