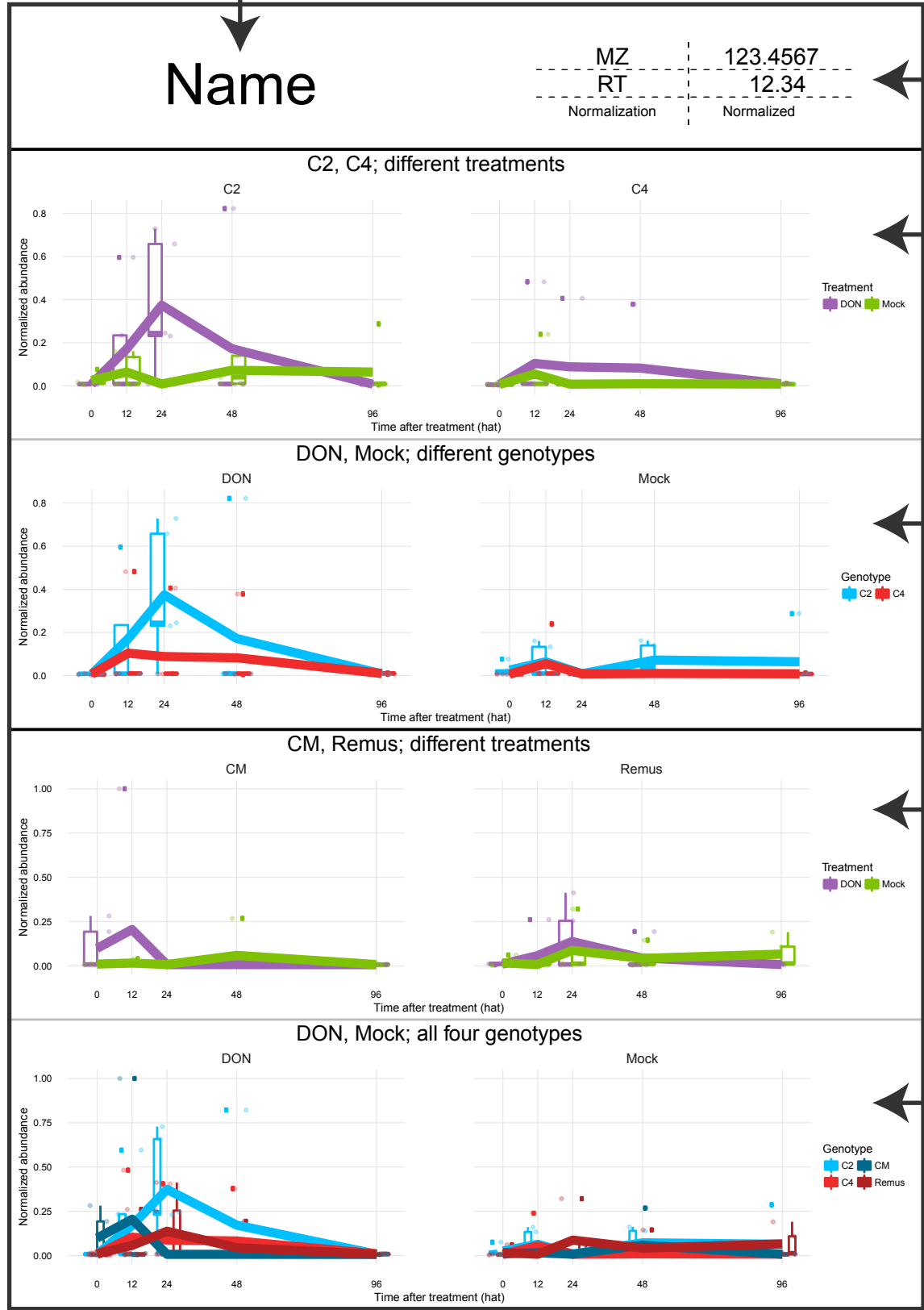


Supplementary Information 1:  
This supplementary figure shows an overview of all Phe-derived metabolites (n=172) detected in the above shown publication. Each page illustrates the time course (mean values) of the metabolite abundances in the different treatments and/or genotypes respectively. Moreover, "QTL" or "TR+/-" labels indicate if there is a significant difference between the time points and/or genotypes. Please refer to the materials and methods part of the main text for the calculation of these indicator labels.

Name or ID of the metabolite



Meta- and statistical information of the compound

Time course of the C2 and C4 genotypes for the DON- and Mock-treatments

Overlay of C2 and C4 for the DON- and Mock-treatments separately

Overview of the two parent lines CM and Remus for the DON- and Mock-treatments

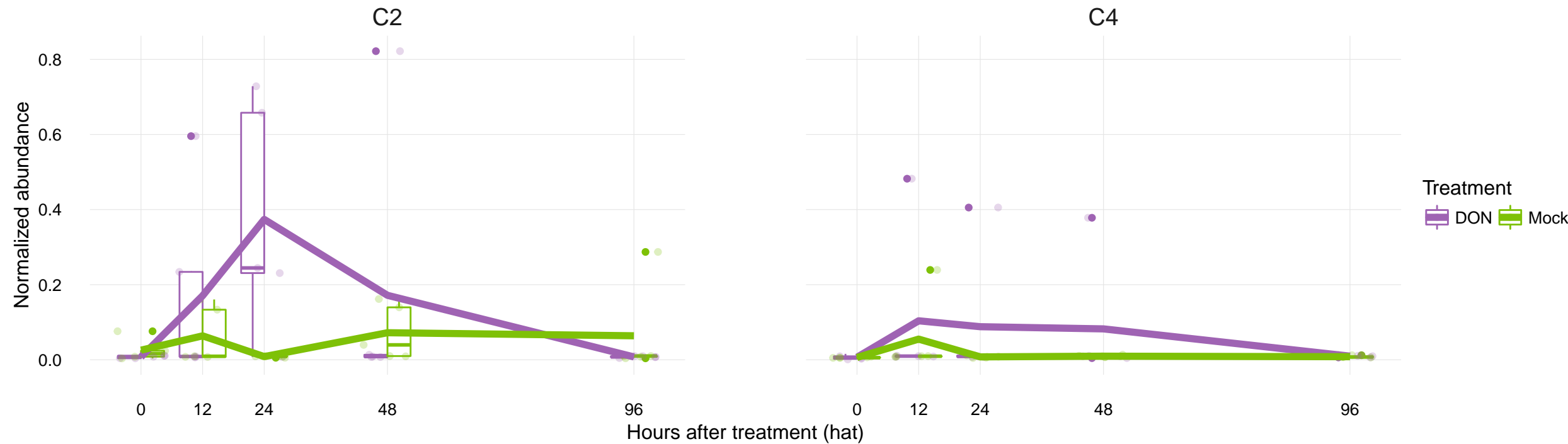
Pverlay of the two parent lines CM and Remus for the DON- and Mock-treatments separately

# A.3

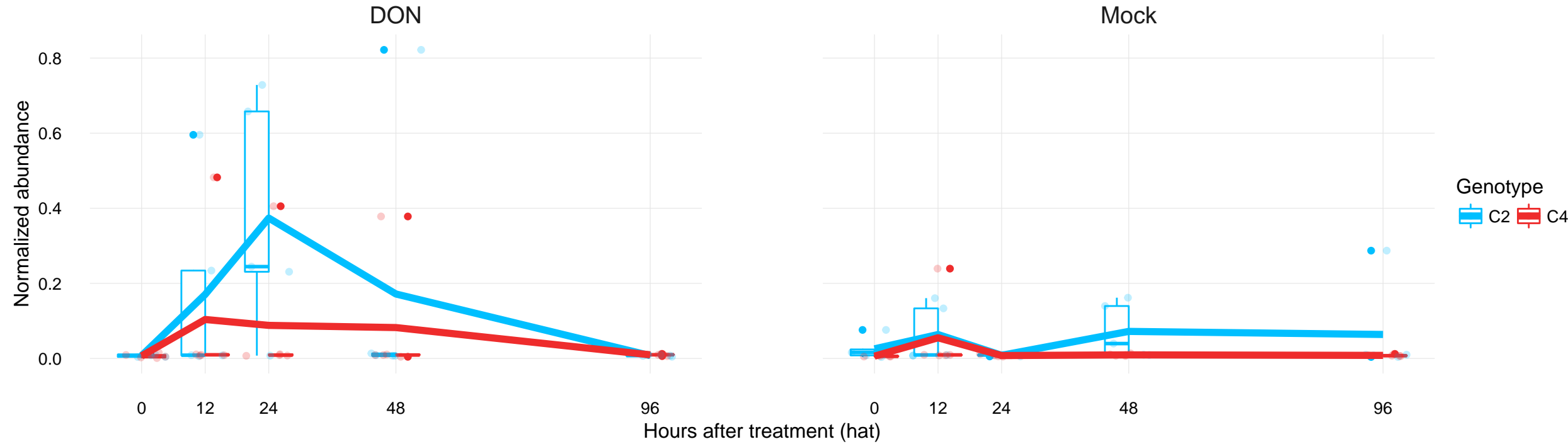
Annotated as HCA derivative  
(3 database hits)

MZ	166.0866
RT	4.11 min
Normalization	Not normalized
Cluster	–
Cn total / Phe	9 / 9

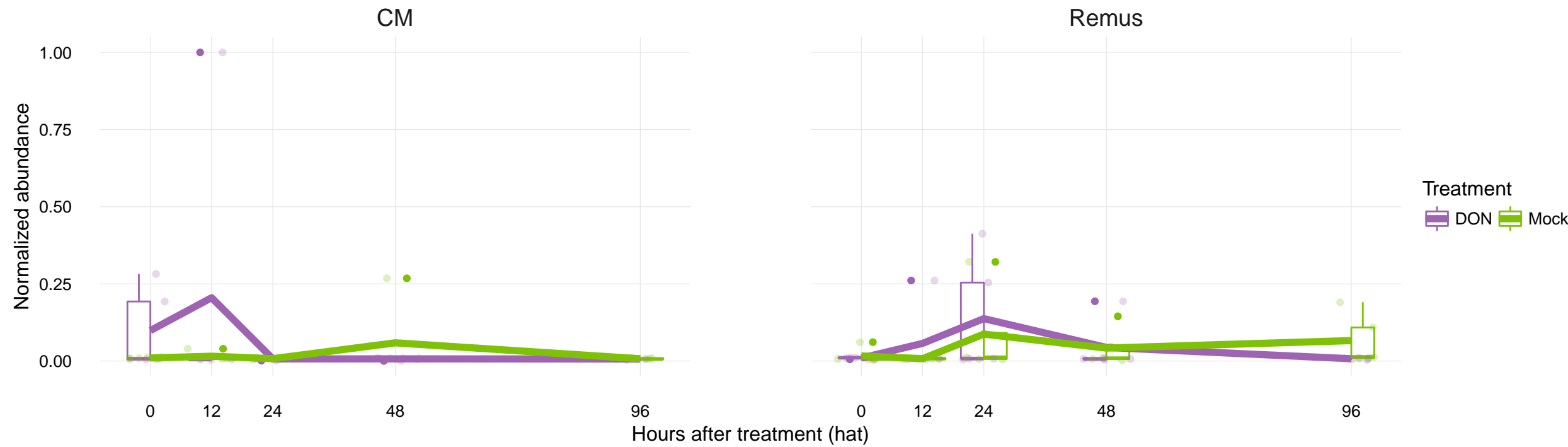
## C2, C4; different treatments



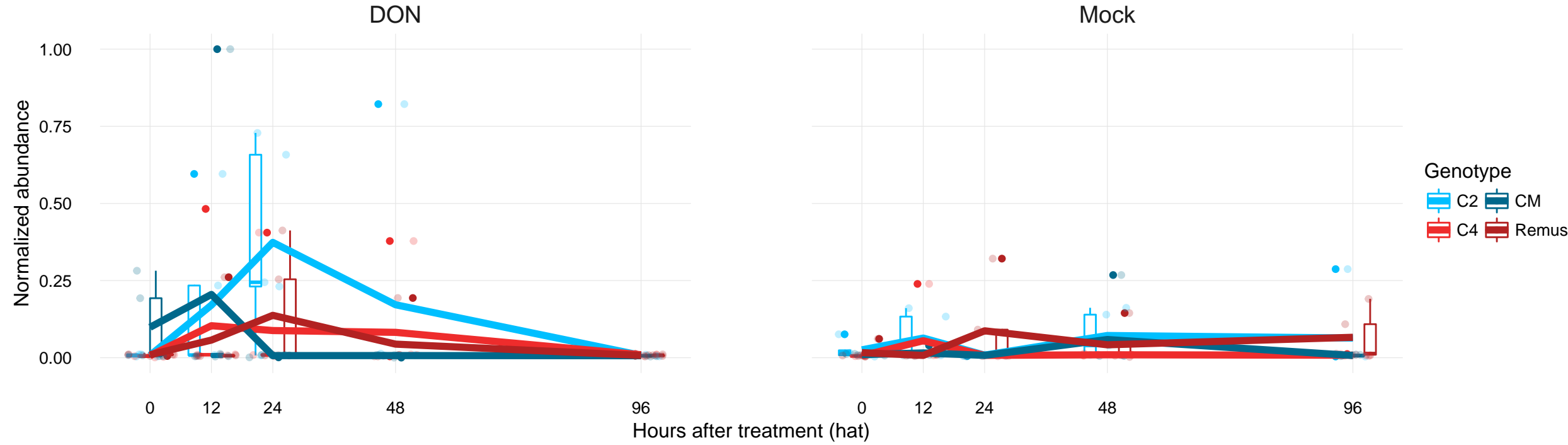
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

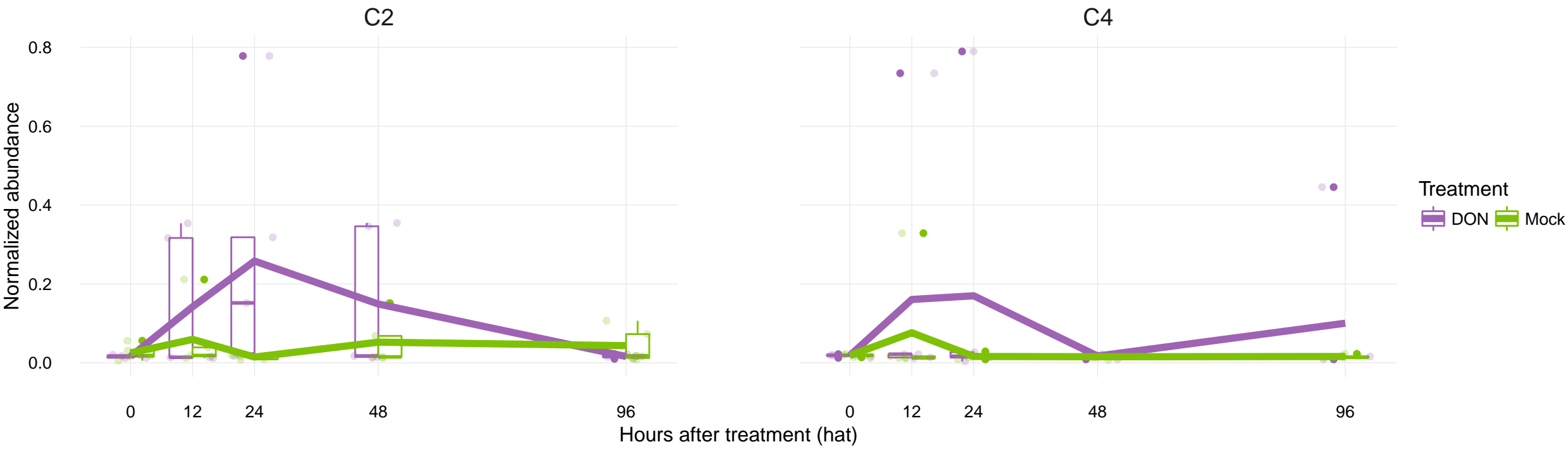


# A.4

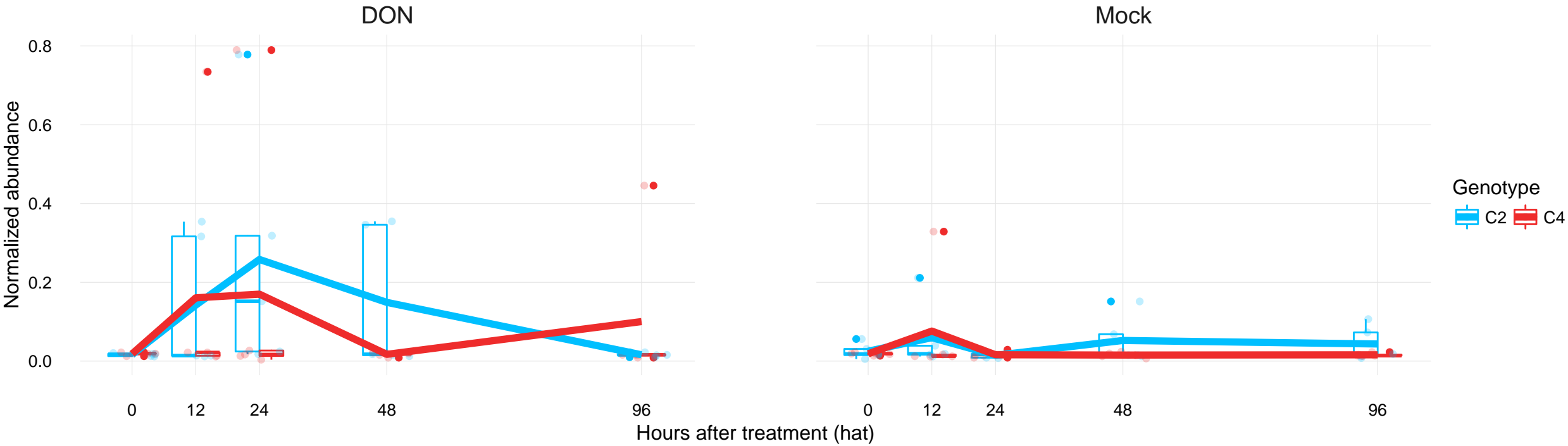
Annotated as HCA derivative  
(3 database hits)

MZ	149.06
RT	4.12 min
Normalization	Not normalized
Cluster	–
Cn total / Phe	9 / 9

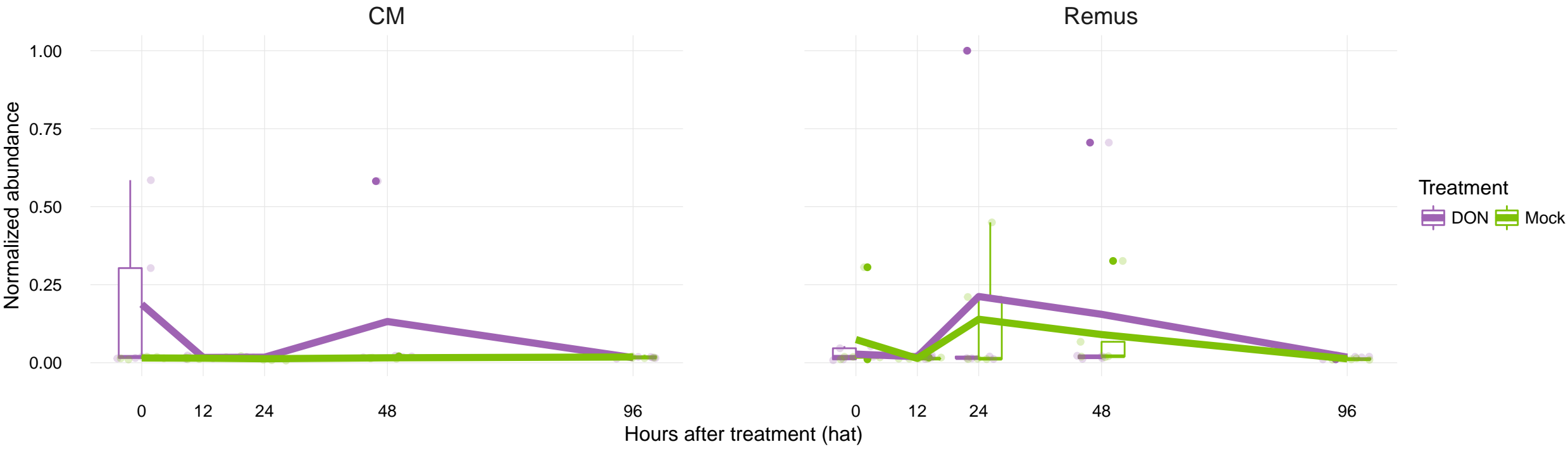
## C2, C4; different treatments



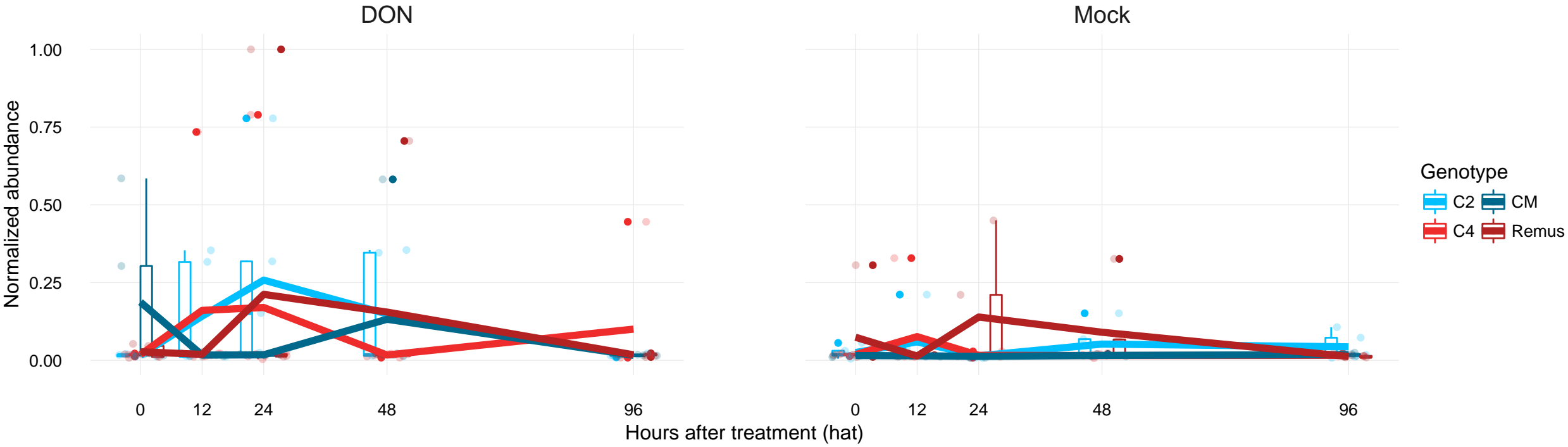
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

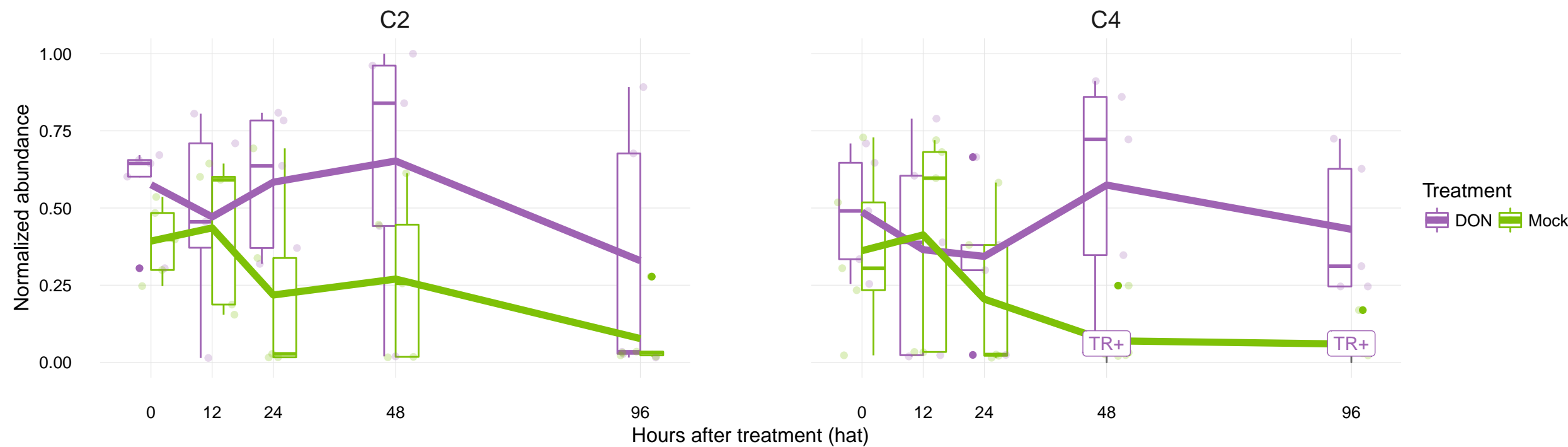


# Ferulic acid

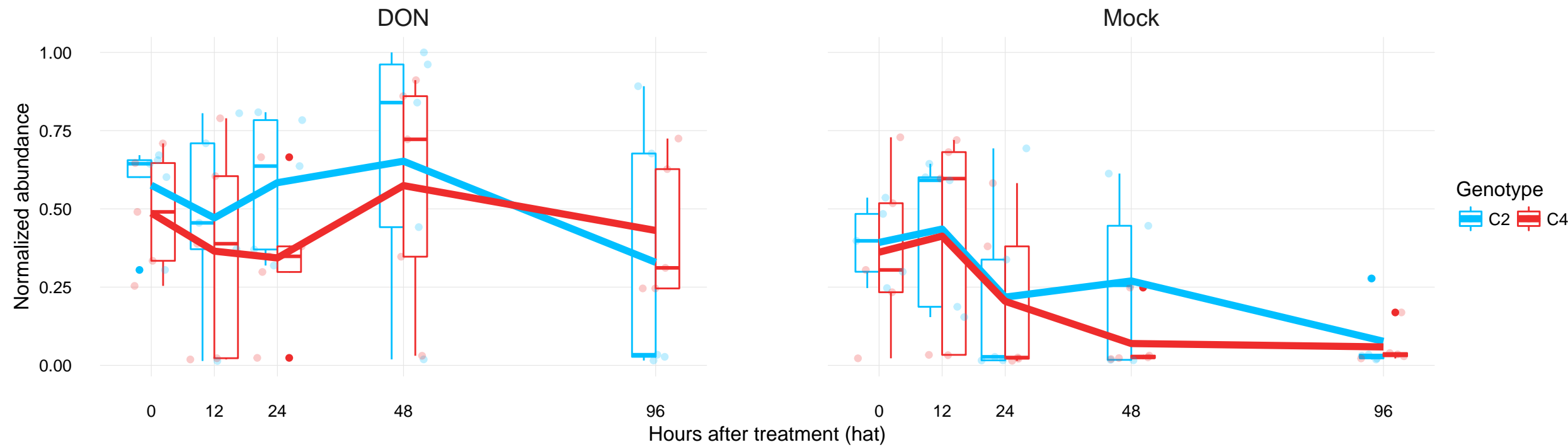
Identified metabolite (level 1)

MZ	195.0653
RT	14.05 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	10 /

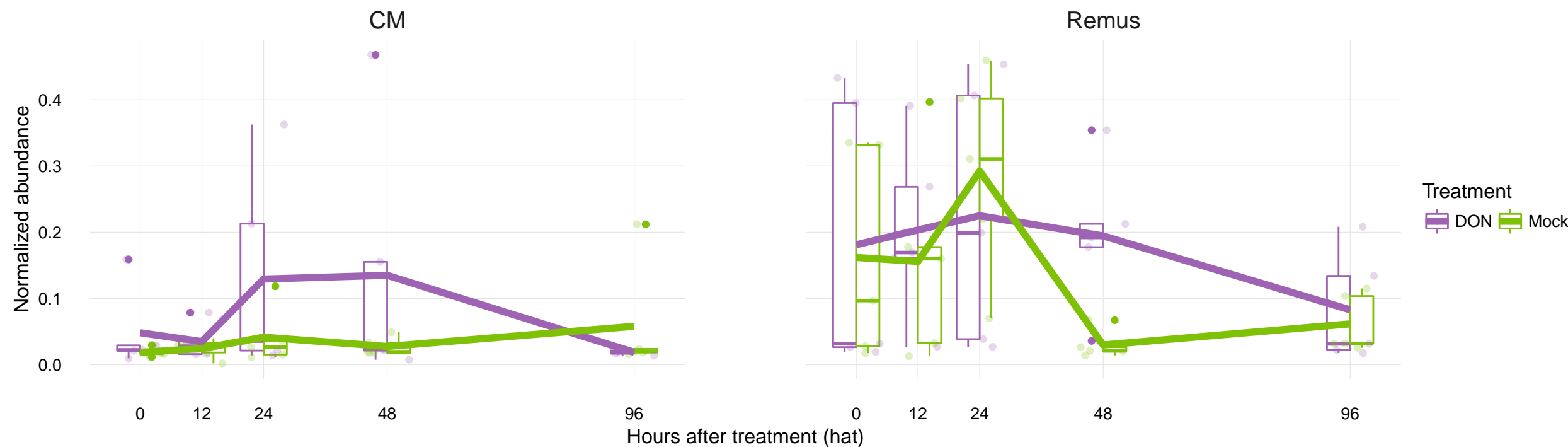
C2, C4; different treatments



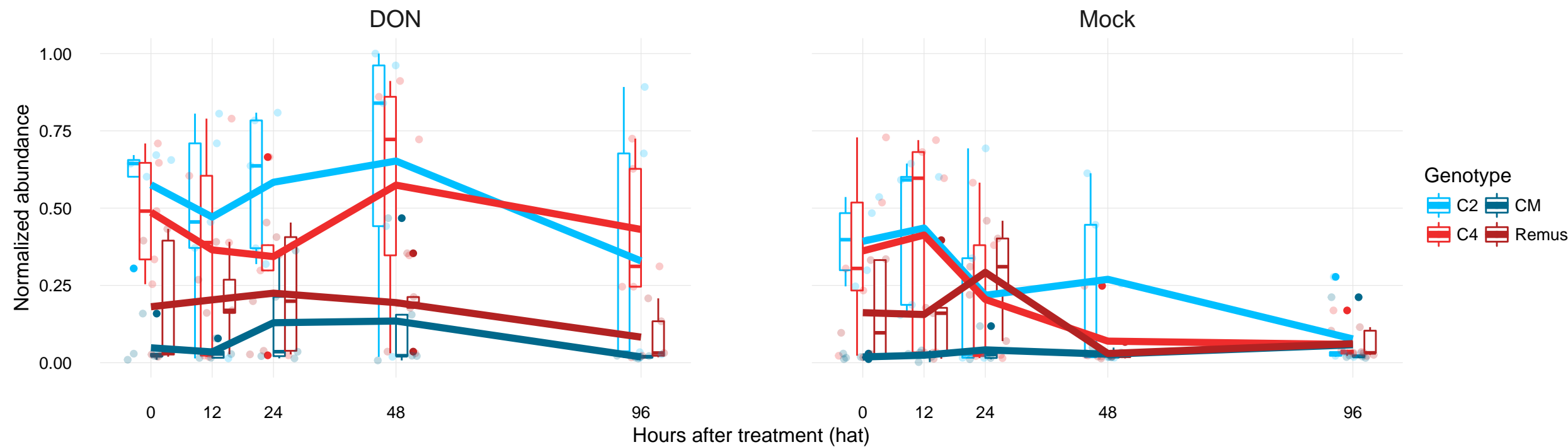
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes



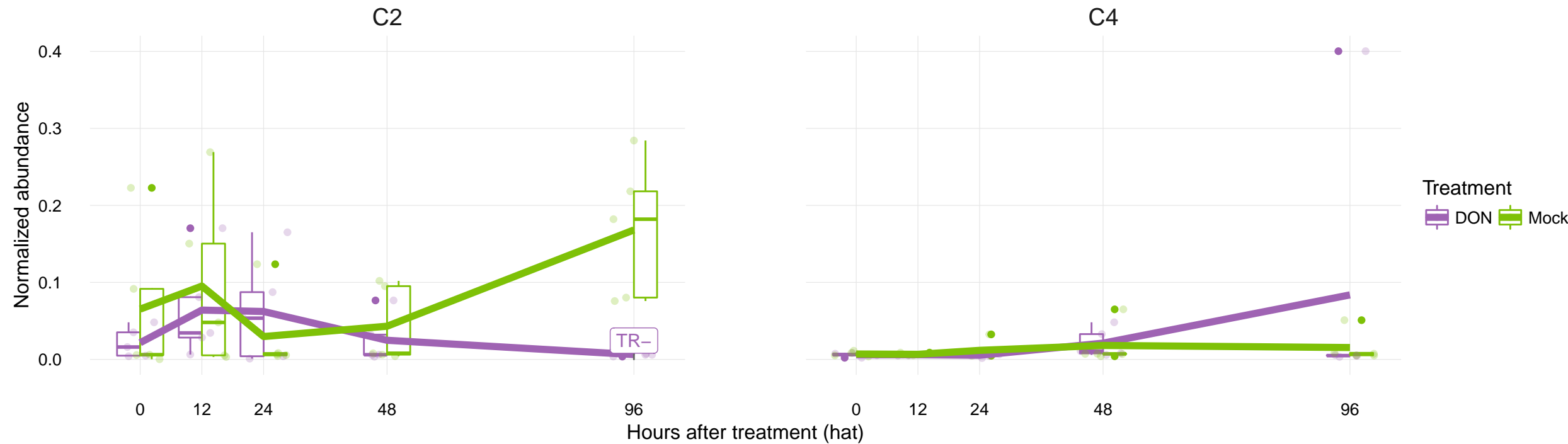


# A.1

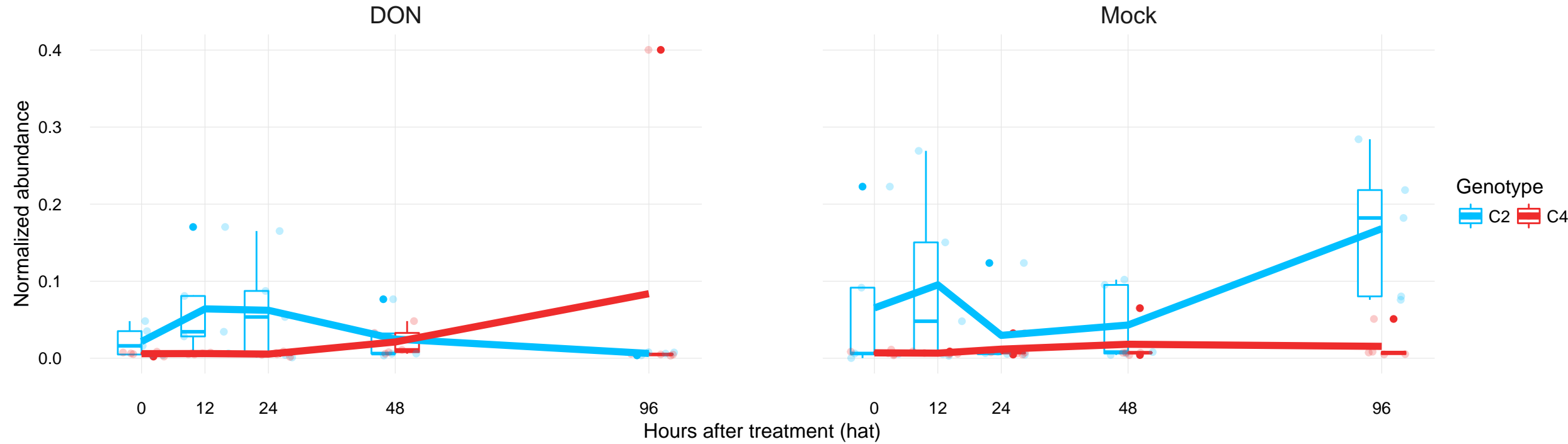
Annotated as others (Phenol)  
(1 database hit)

MZ	144.0656
RT	3.02 min
Normalization	Not normalized
Cluster	–
Cn total / Phe	6 /

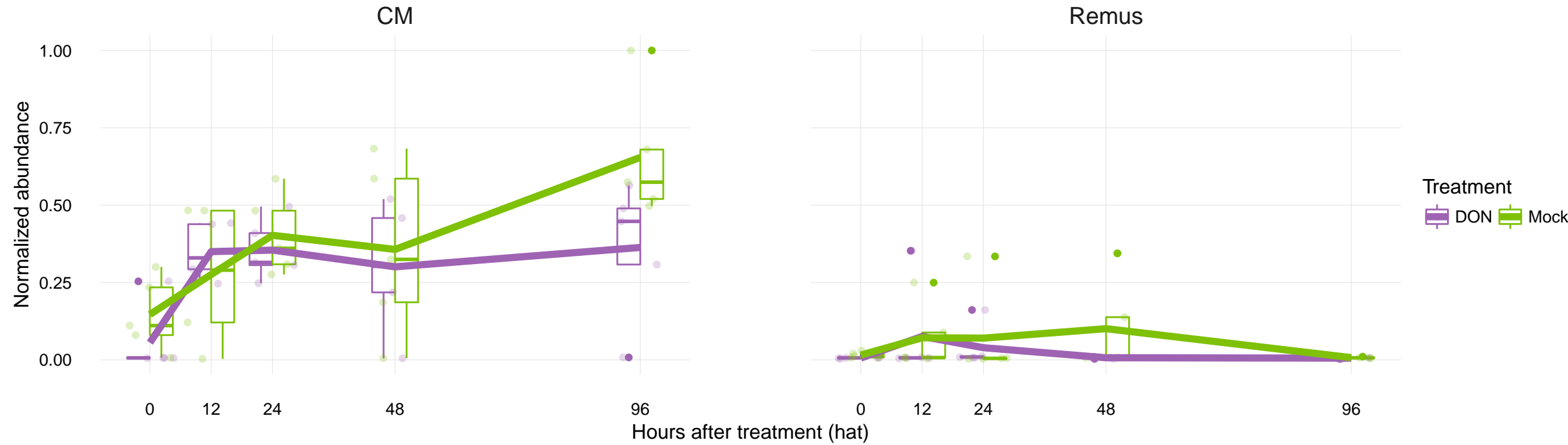
## C2, C4; different treatments



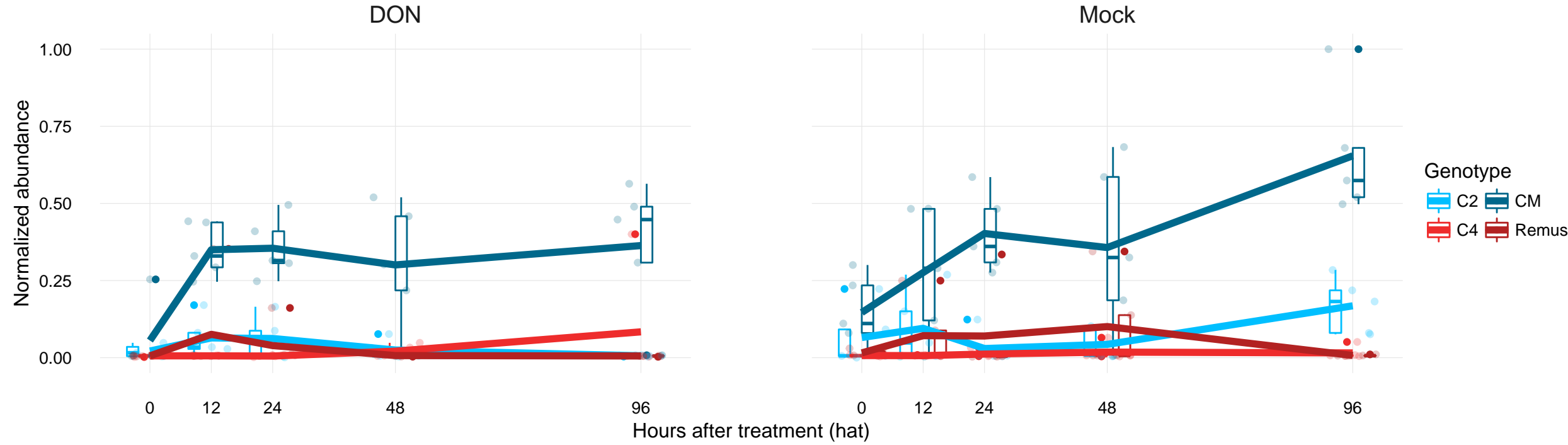
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

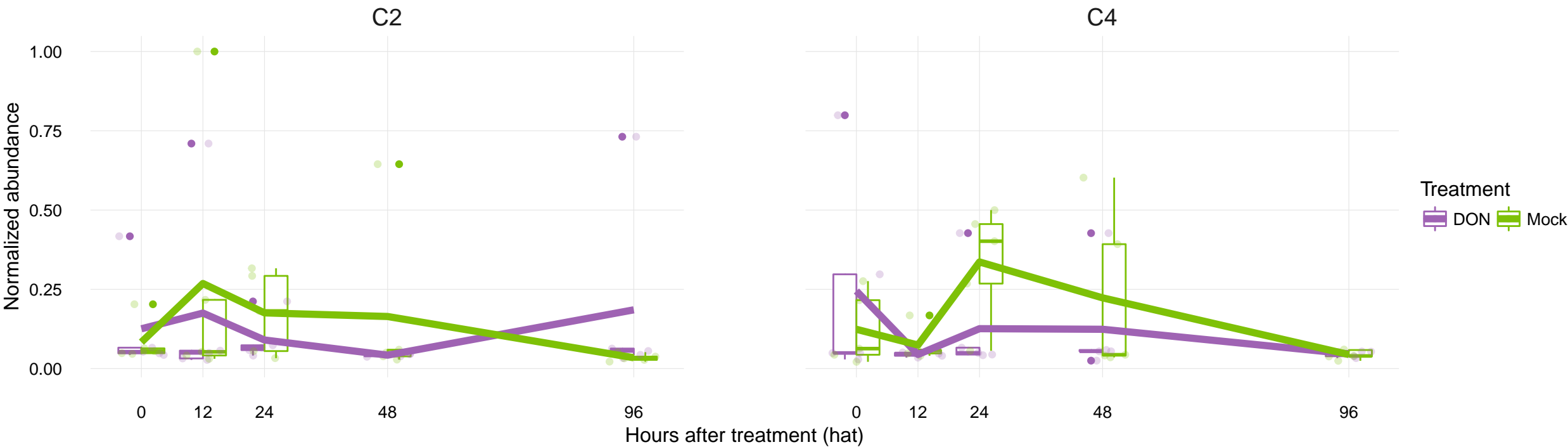


# p-coumaric acid

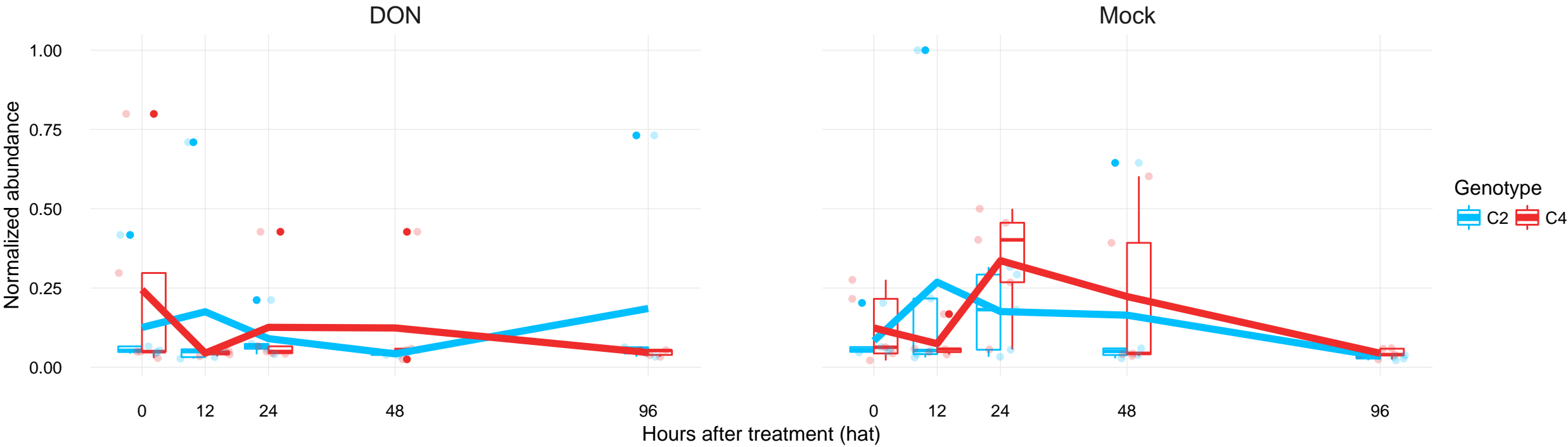
Identified metabolite (level 1)

MZ	165.0546
RT	13.41 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	9 /

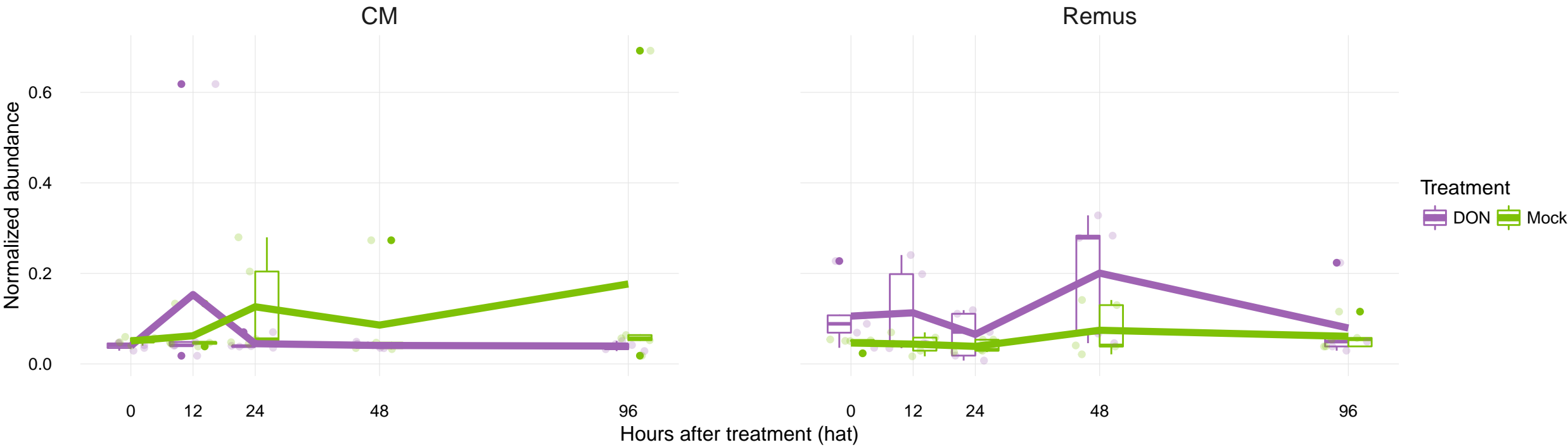
C2, C4; different treatments



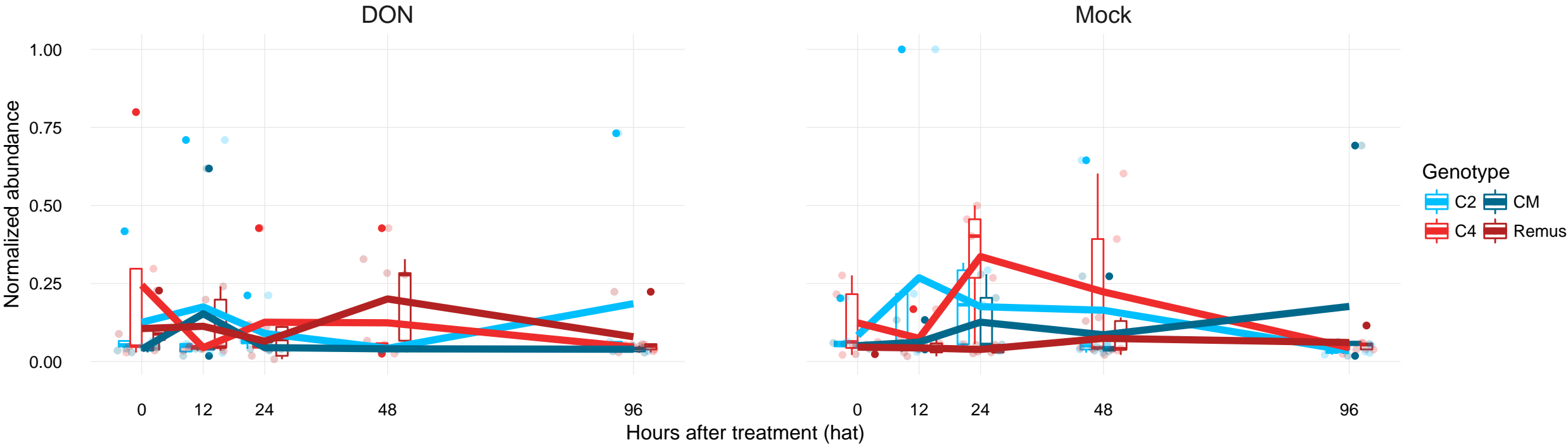
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

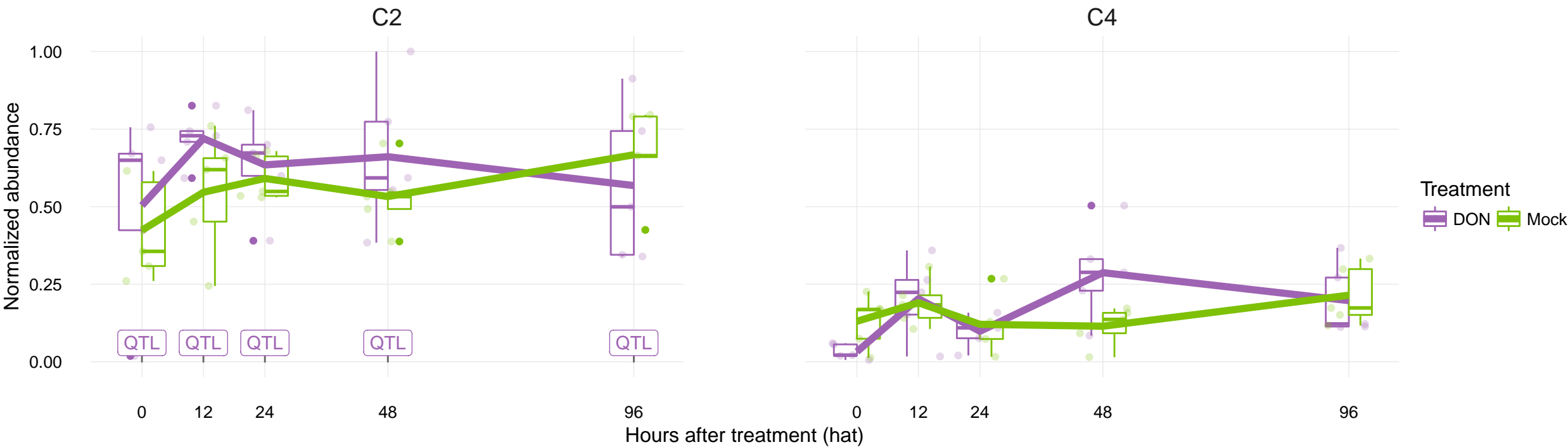


# A.51

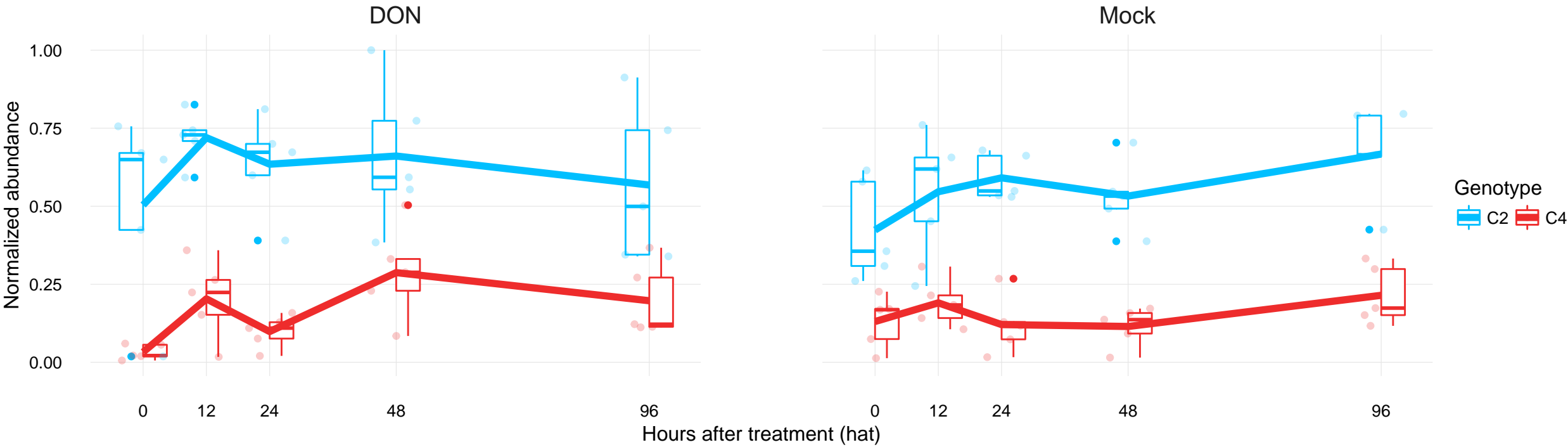
Annotated as others (Iridoid)  
(1 database hit)

MZ	531.1474
RT	12.04 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	24 /

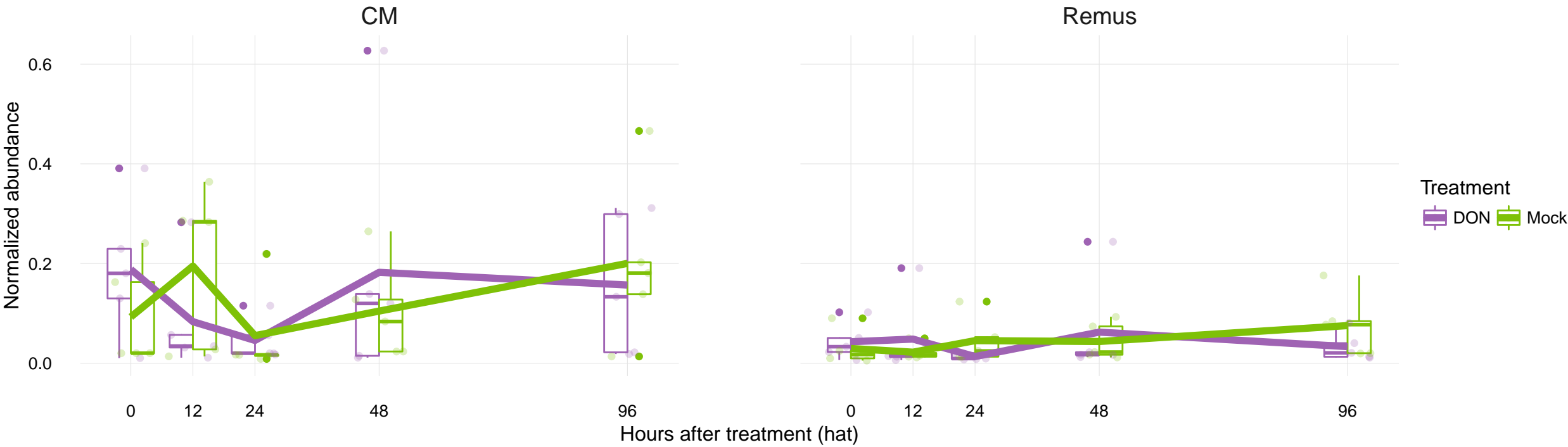
## C2, C4; different treatments



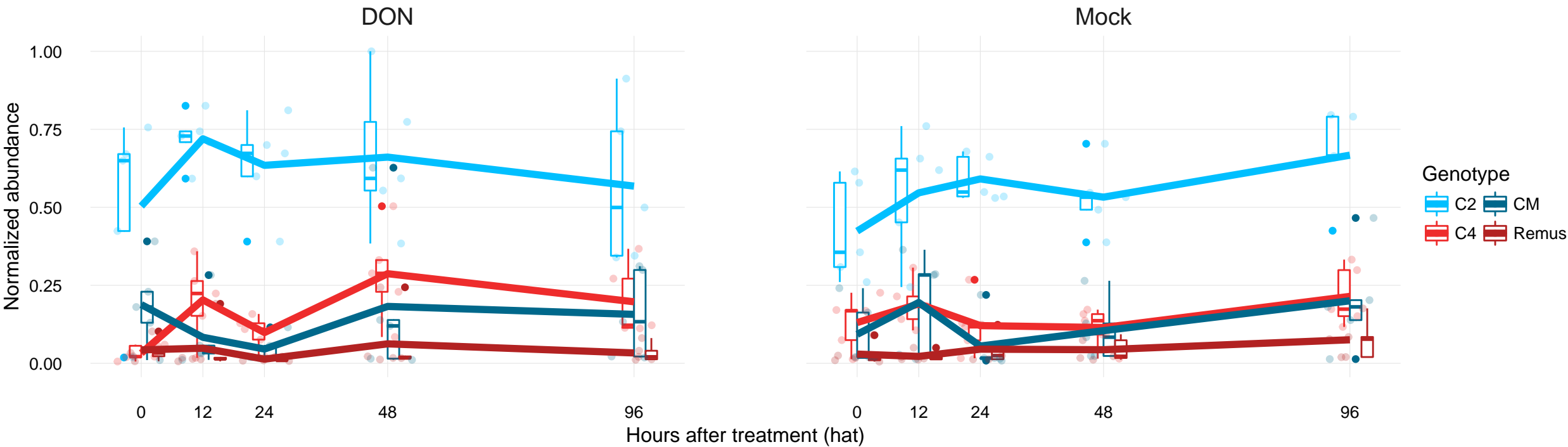
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

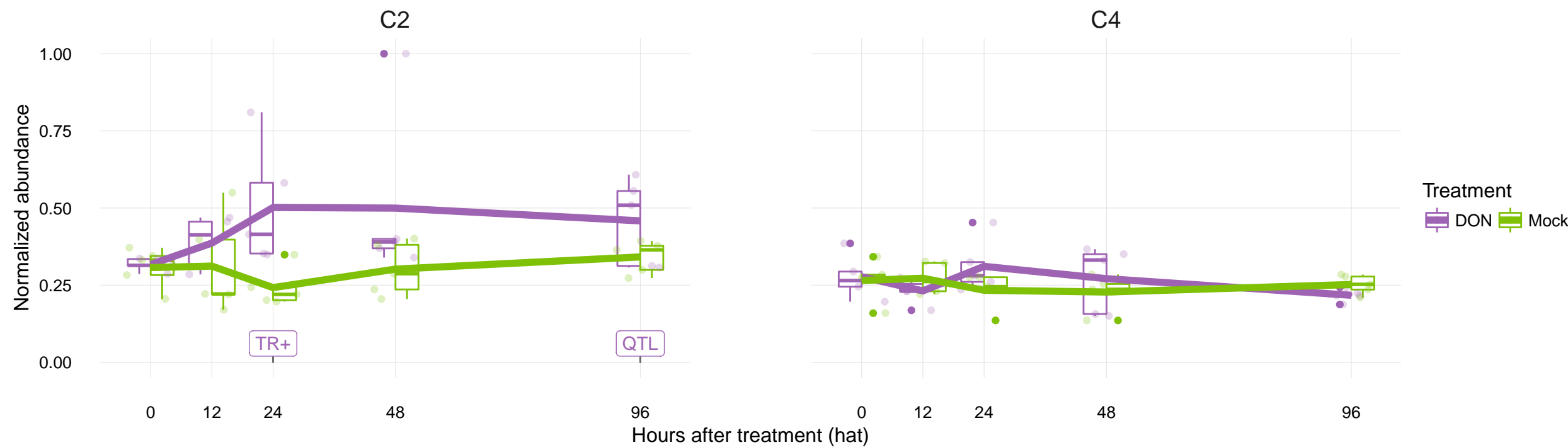


# A.139

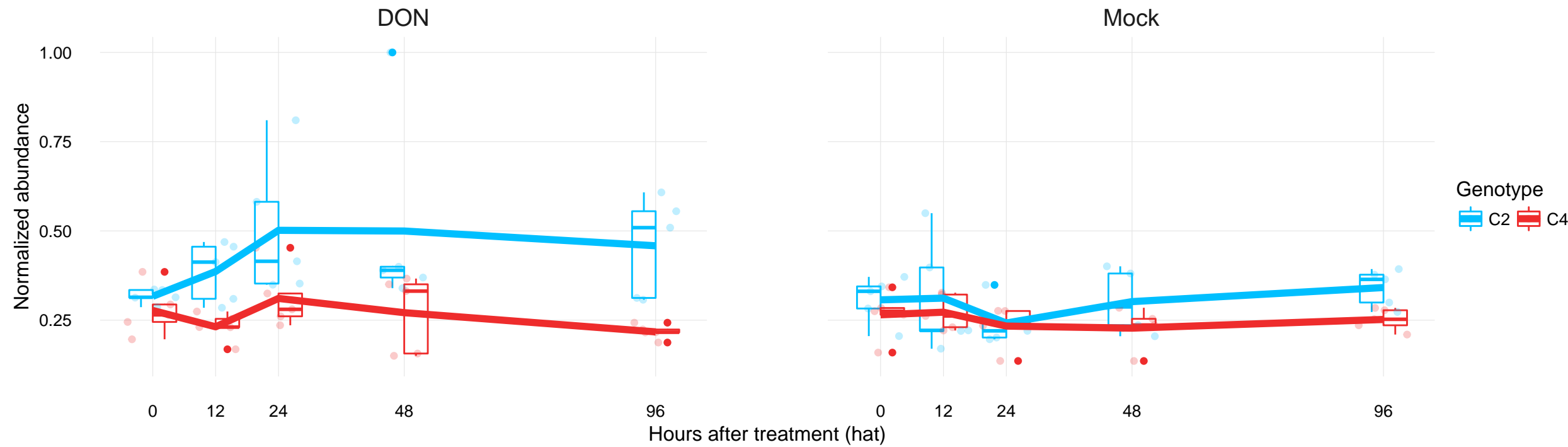
Annotated as HCA derivative  
(1 database hit)

MZ	317.1725
RT	25.54 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	17 /

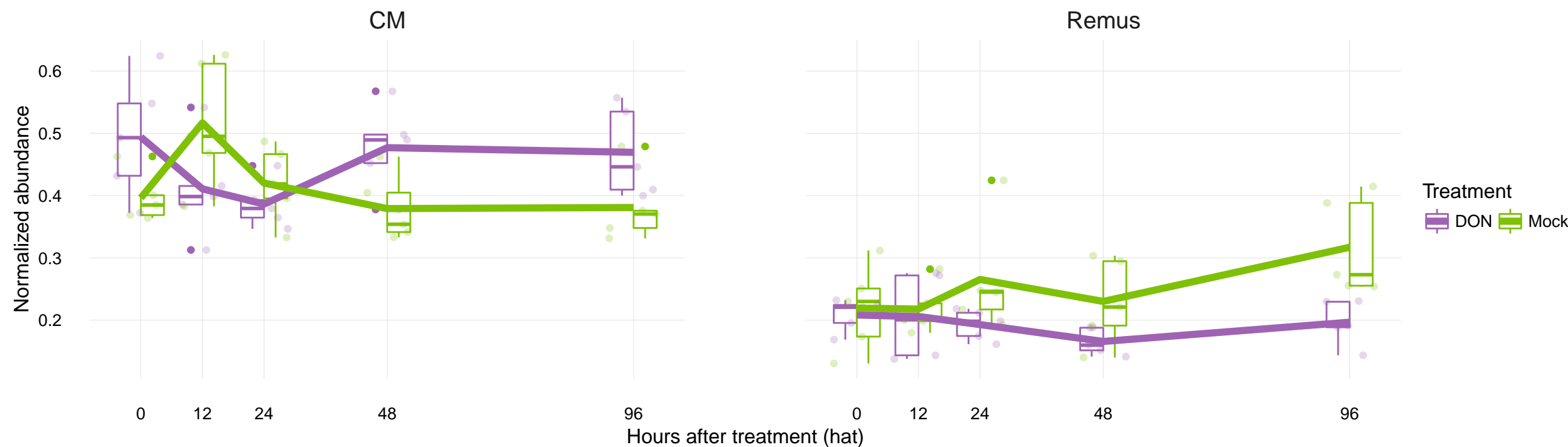
## C2, C4; different treatments



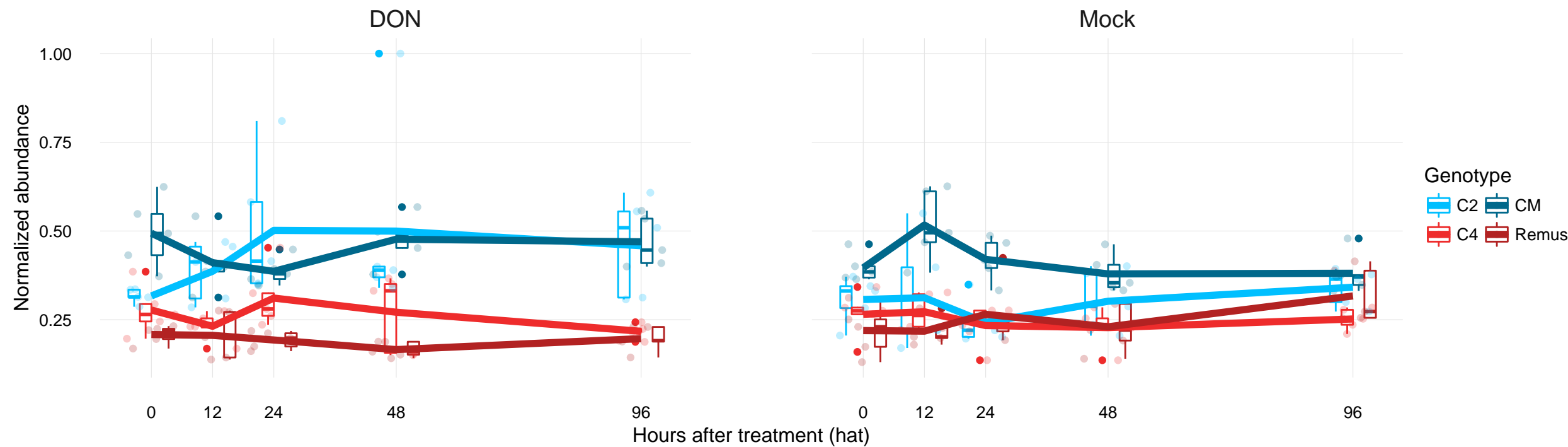
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

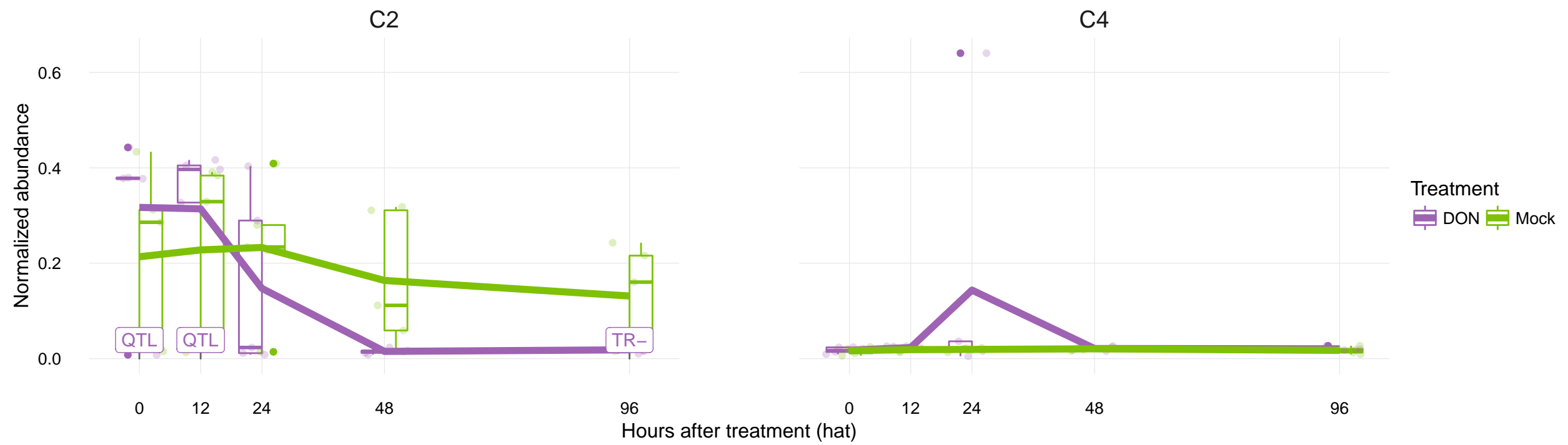


# A.10

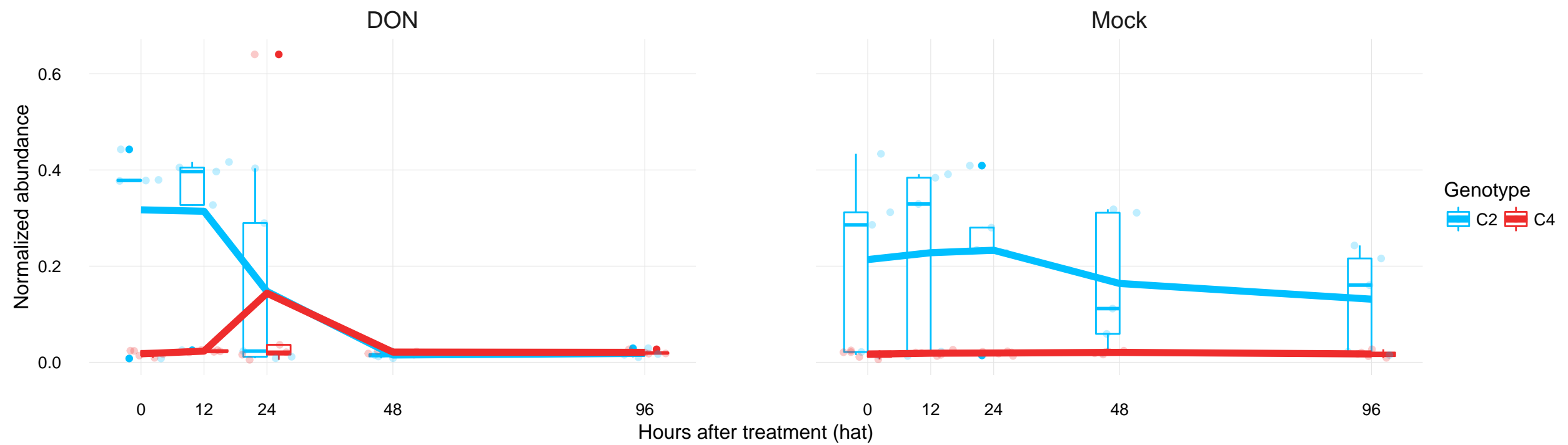
Annotated as others  
(4 database hits)

MZ	169.0495
RT	5.58 min
Normalization	Not normalized
Cluster	–
Cn total / Phe	8 /

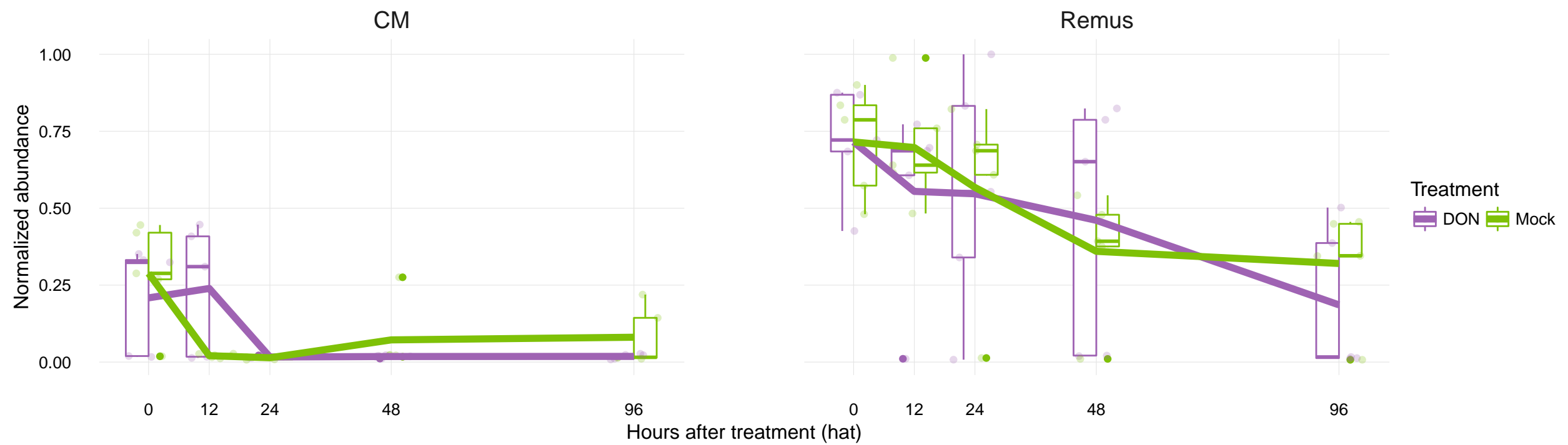
## C2, C4; different treatments



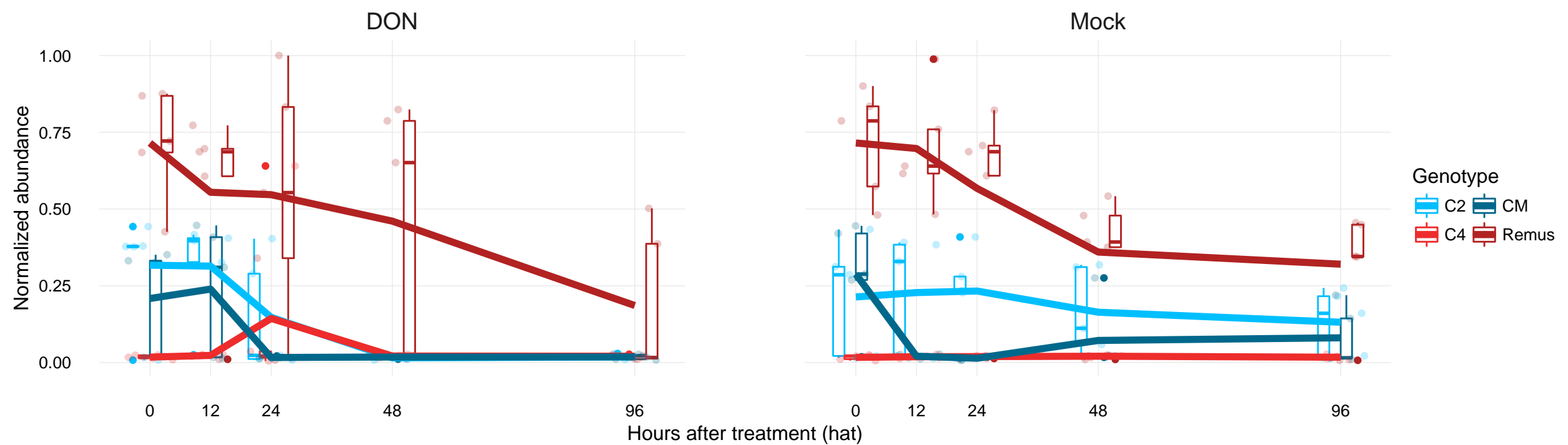
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

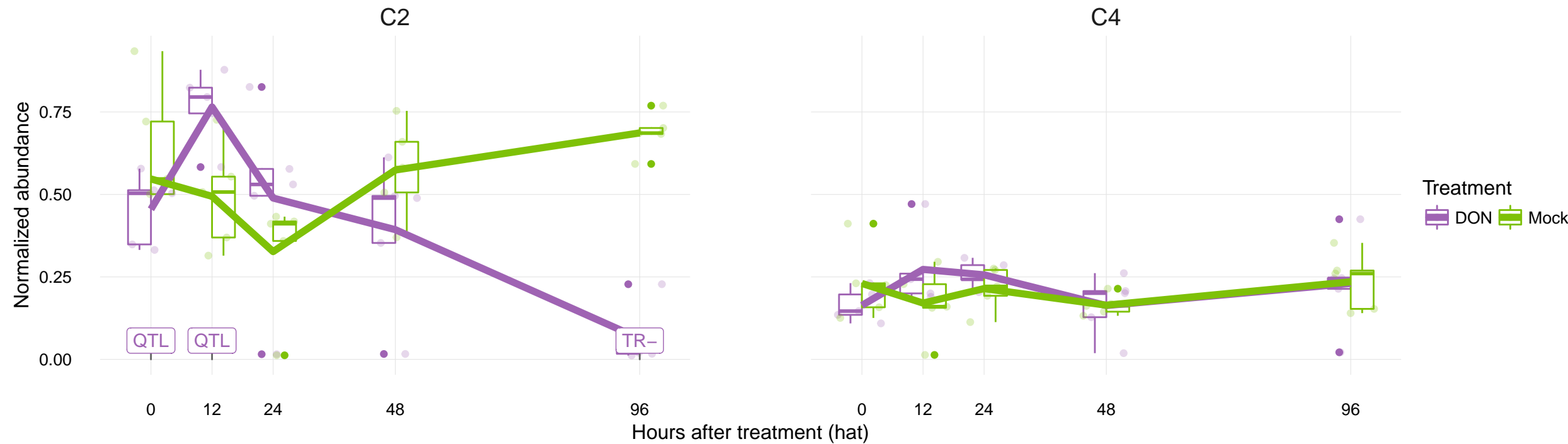


# A.20

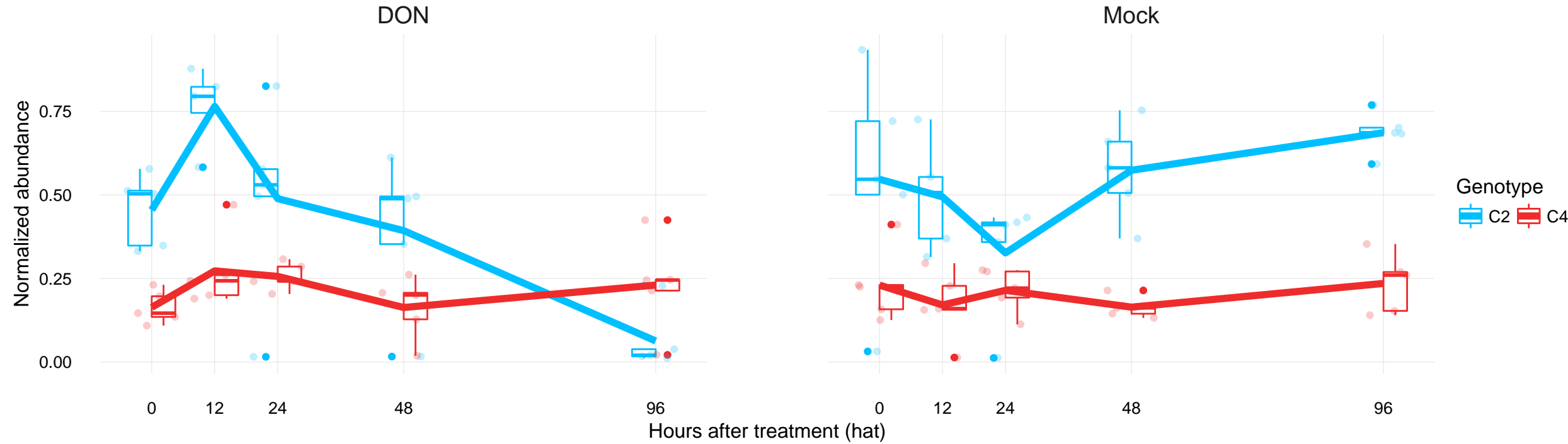
Annotated as HCA derivative  
(1 database hit)

MZ	365.0845
RT	7.52 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	15 /

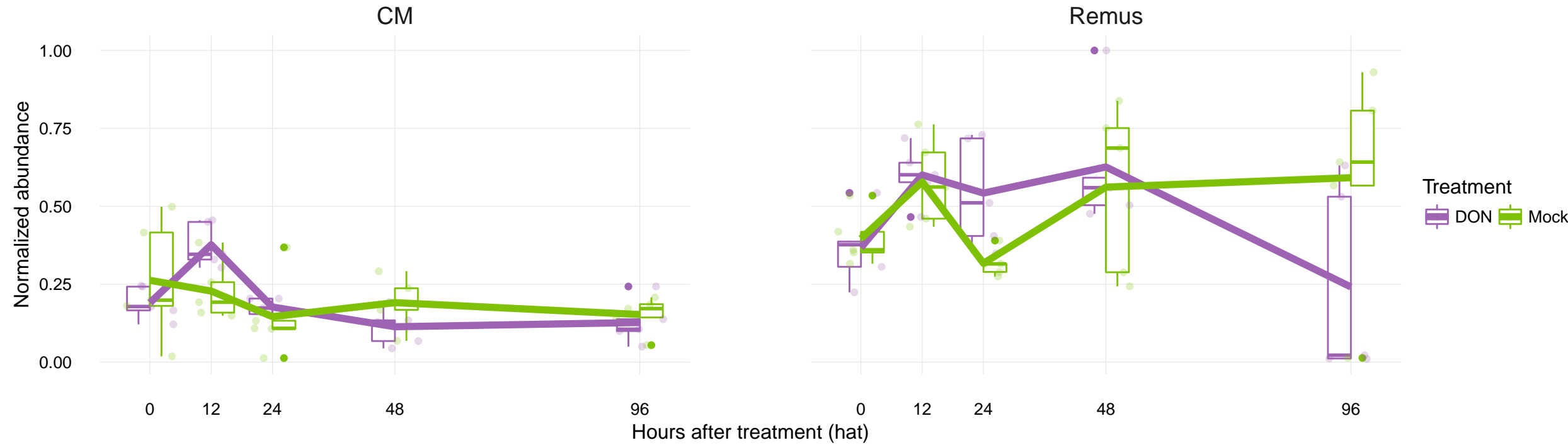
## C2, C4; different treatments



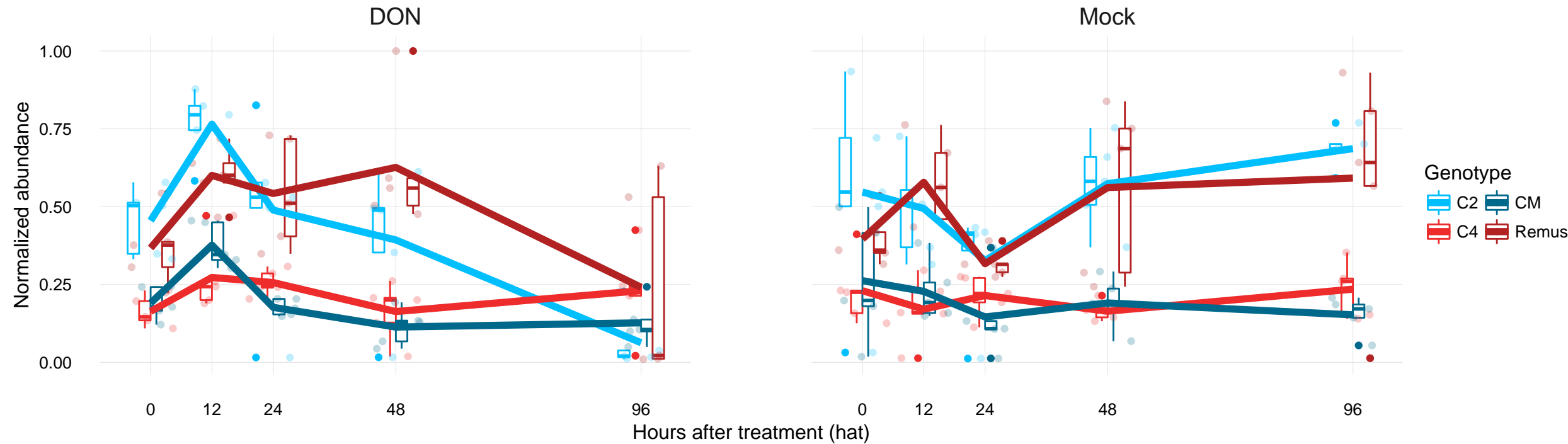
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



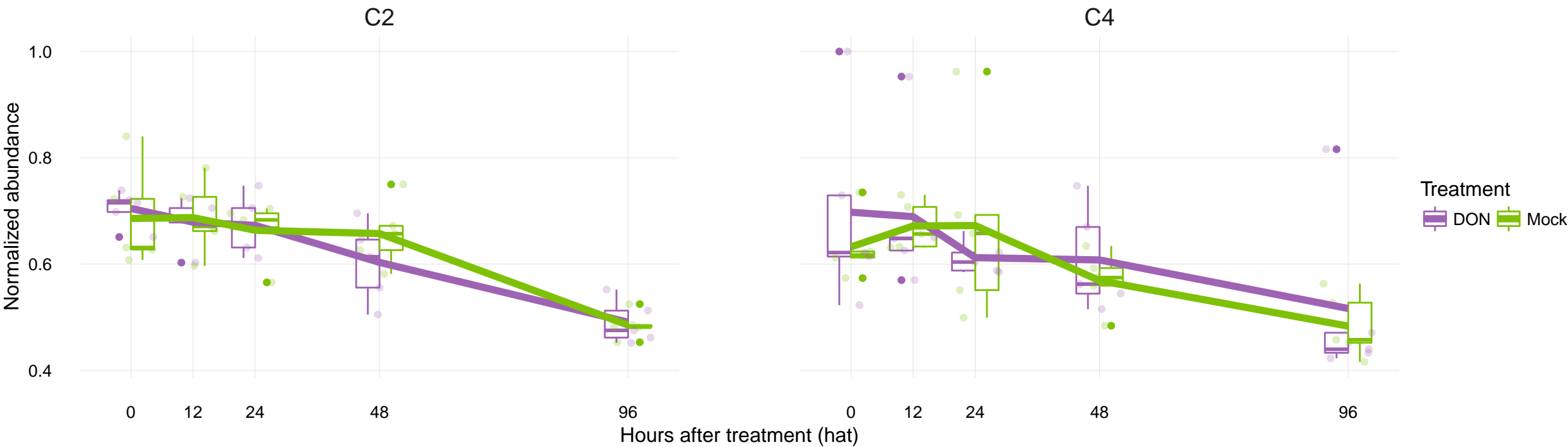


# A.50

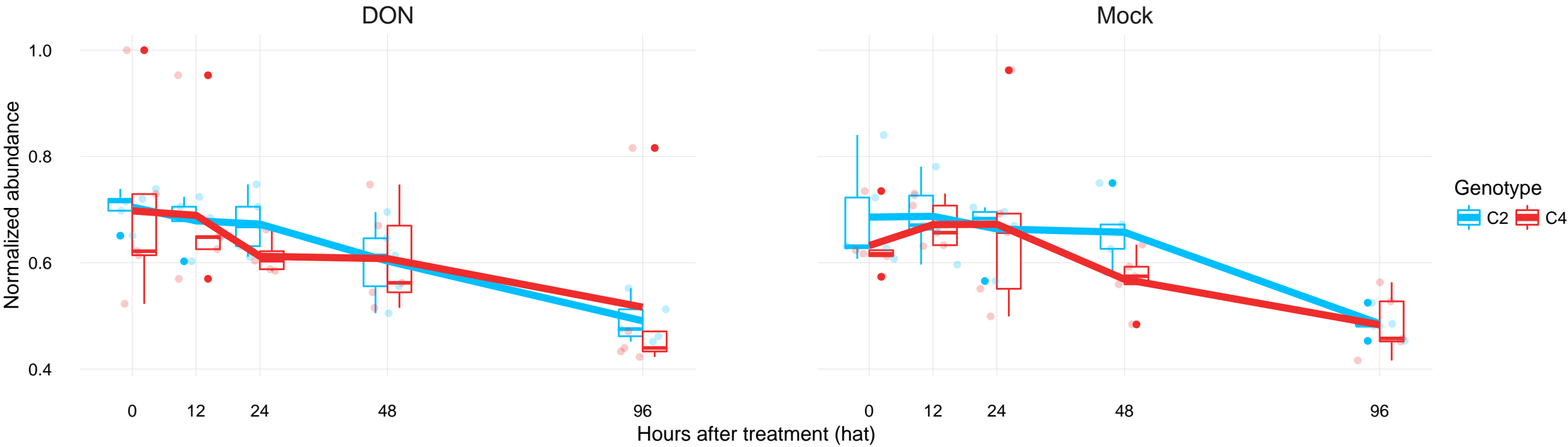
Annotated as Flavonoid or others (GlcF, Chalkon)  
(3 database hits)

MZ	573.1578
RT	11.99 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	26 /

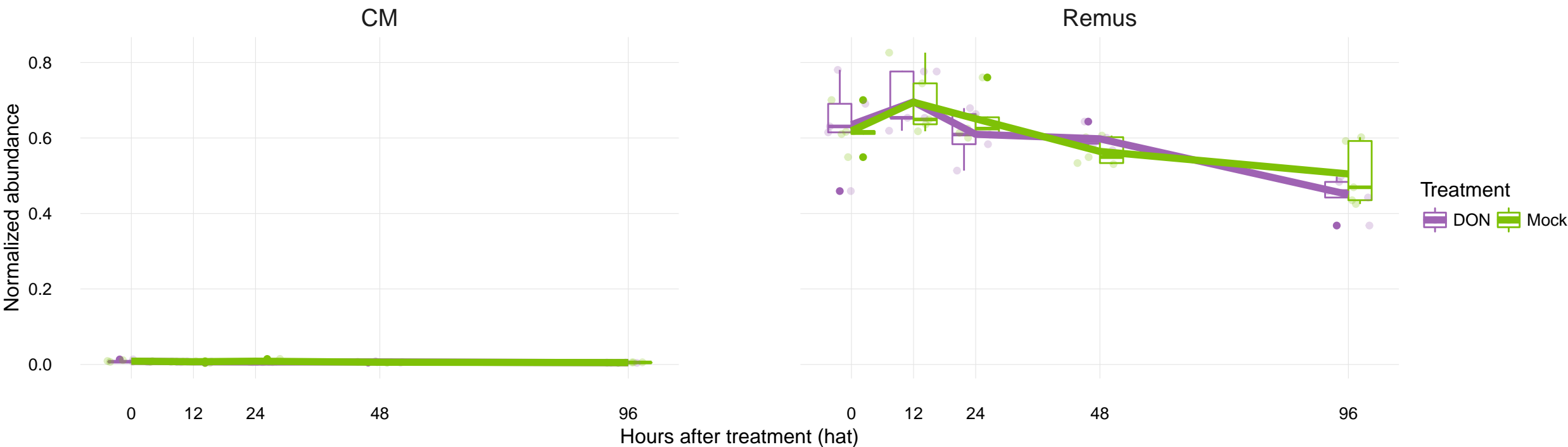
## C2, C4; different treatments



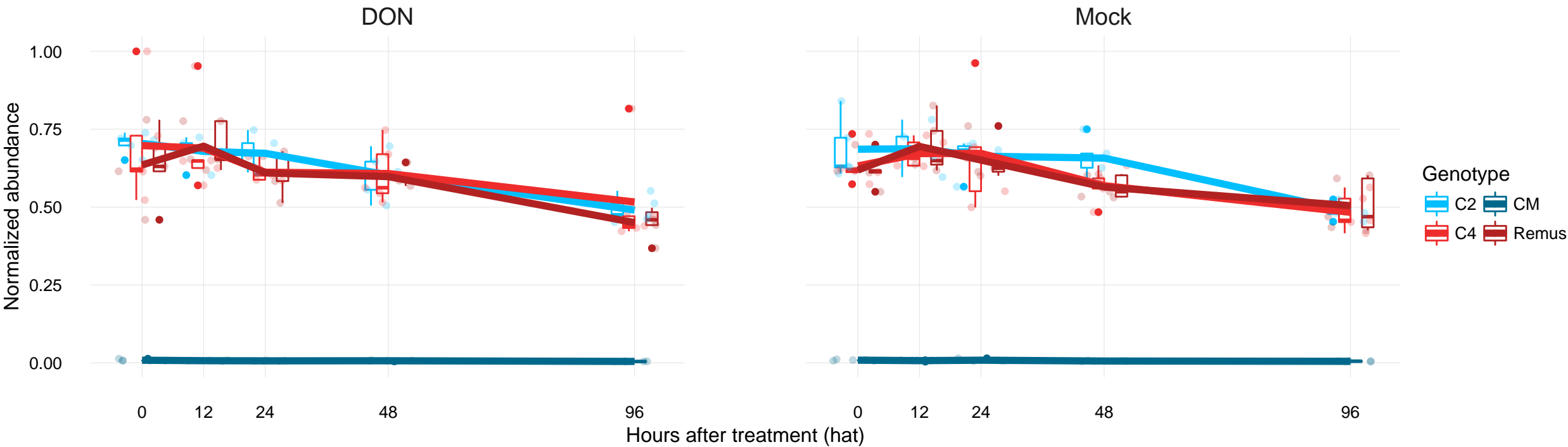
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



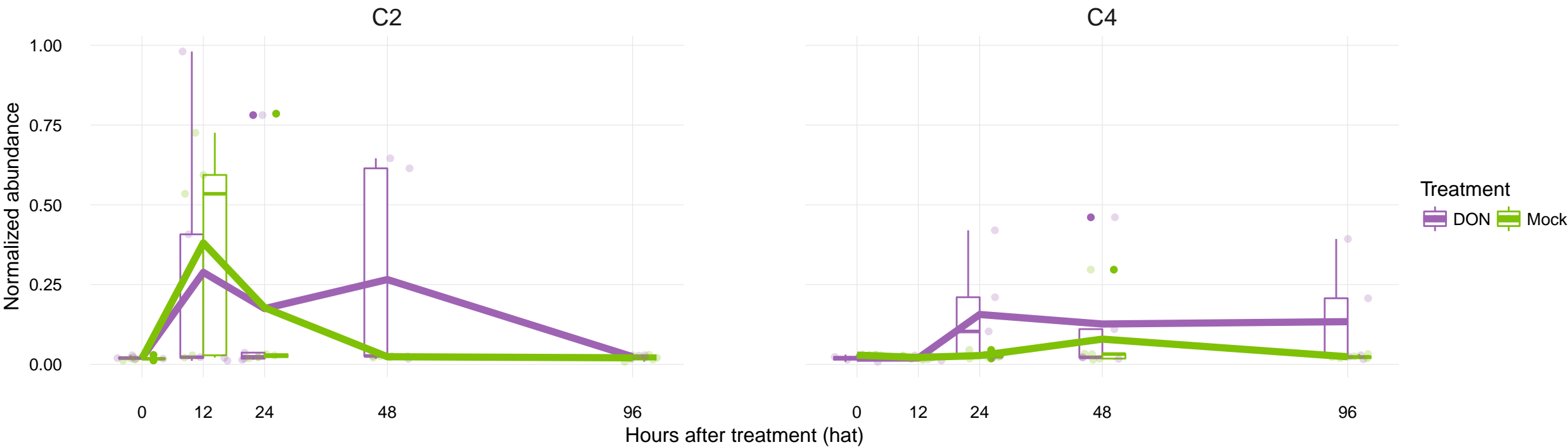


# A.15

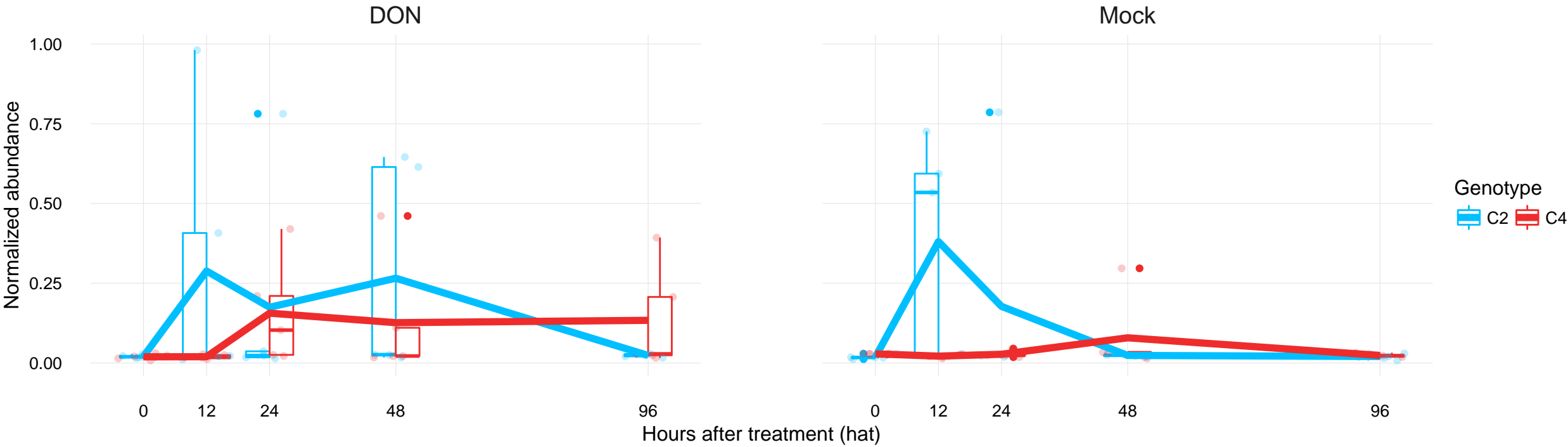
Annotated as others (Phenol)  
(1 database hit)

MZ	127.039
RT	6.67 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	6 /

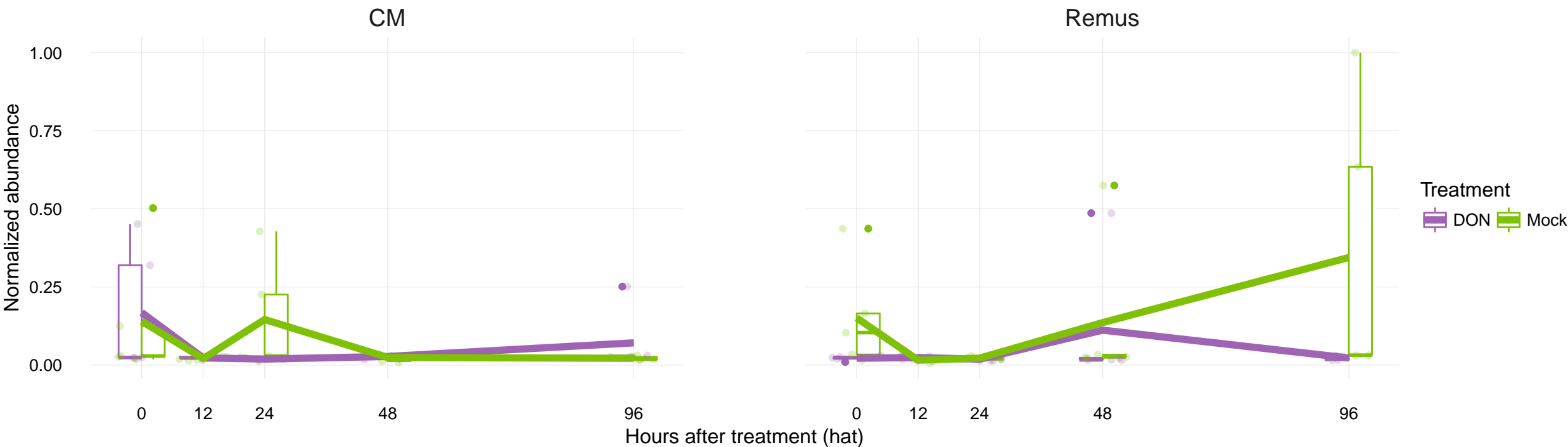
## C2, C4; different treatments



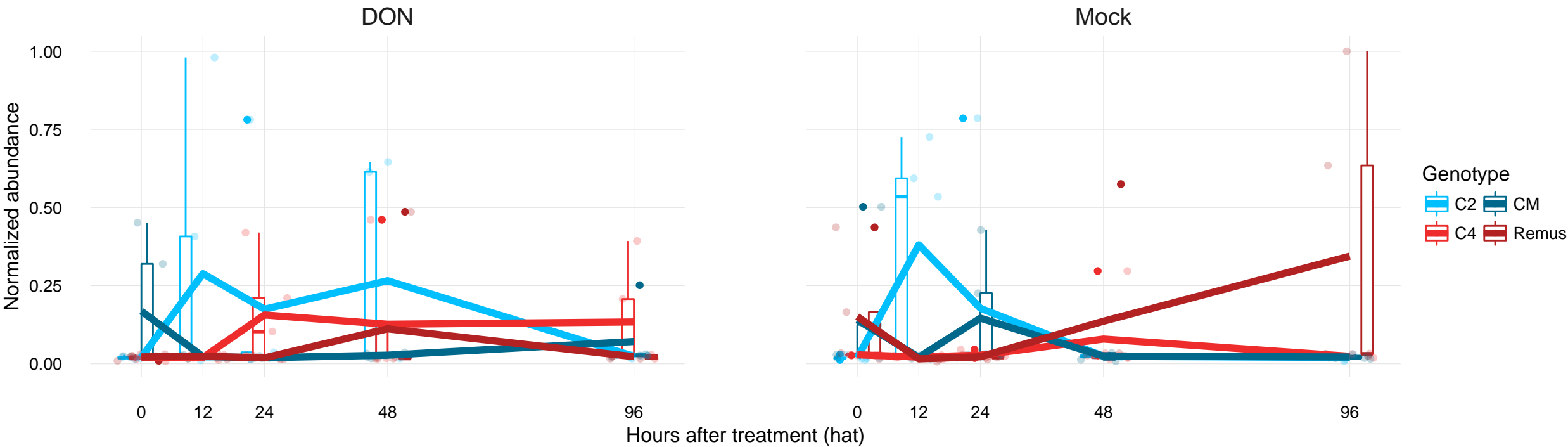
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

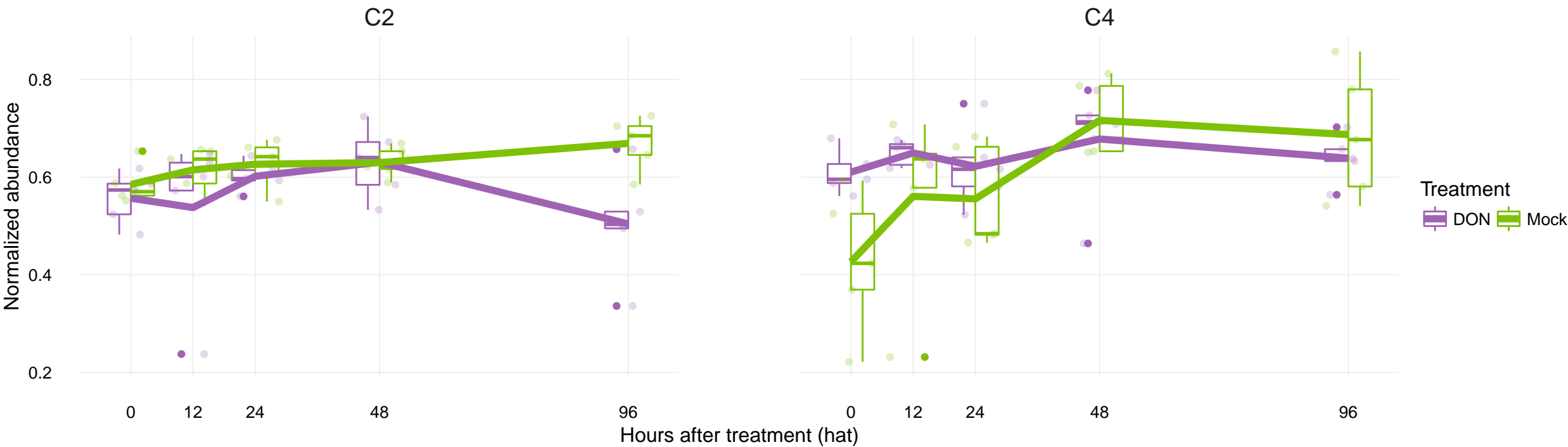


# A.28

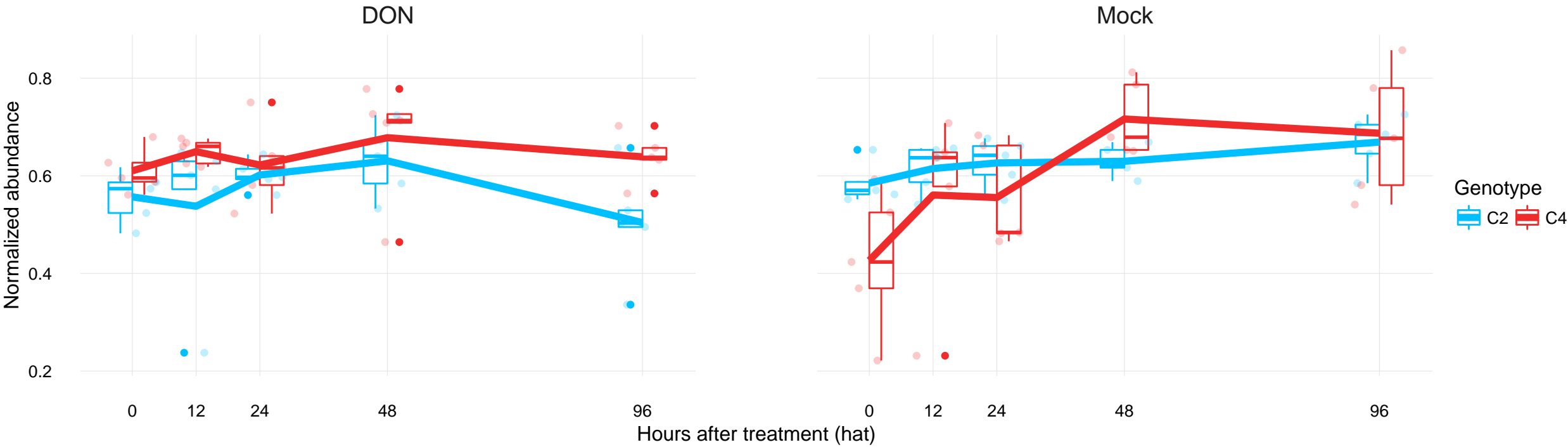
Annotated as HCA derivative  
(1 database hit)

MZ	211.0965
RT	9.19 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	10 /

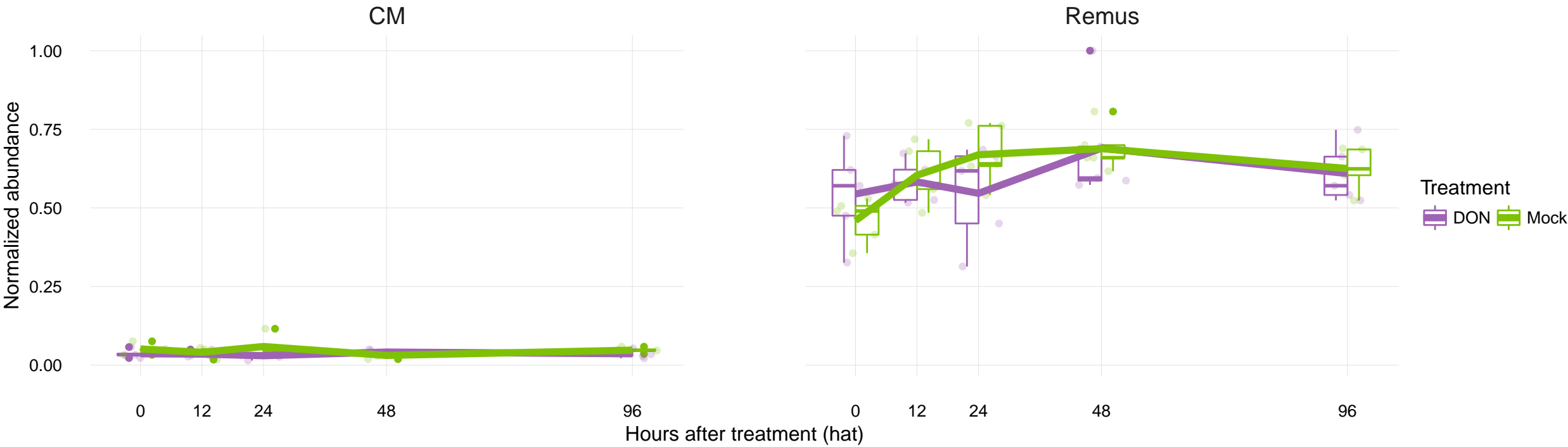
## C2, C4; different treatments



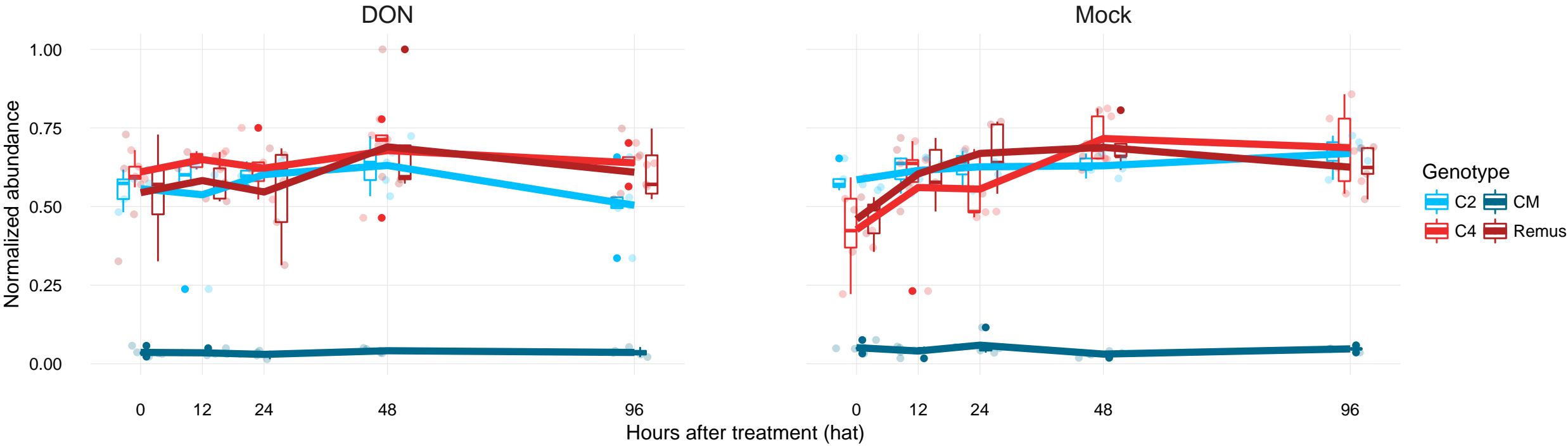
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

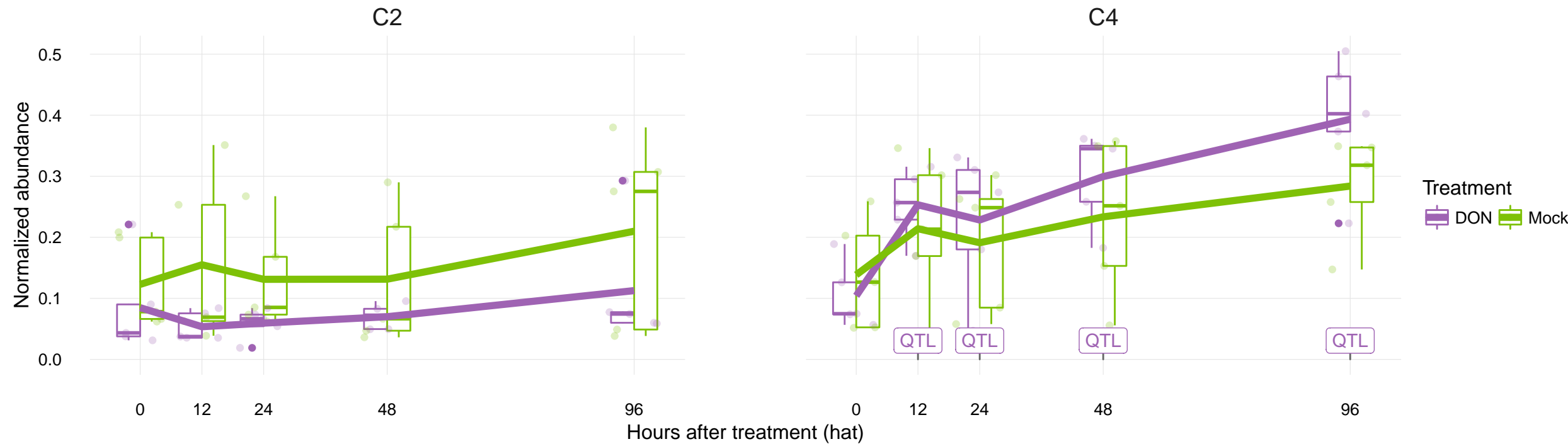


# Vanillin

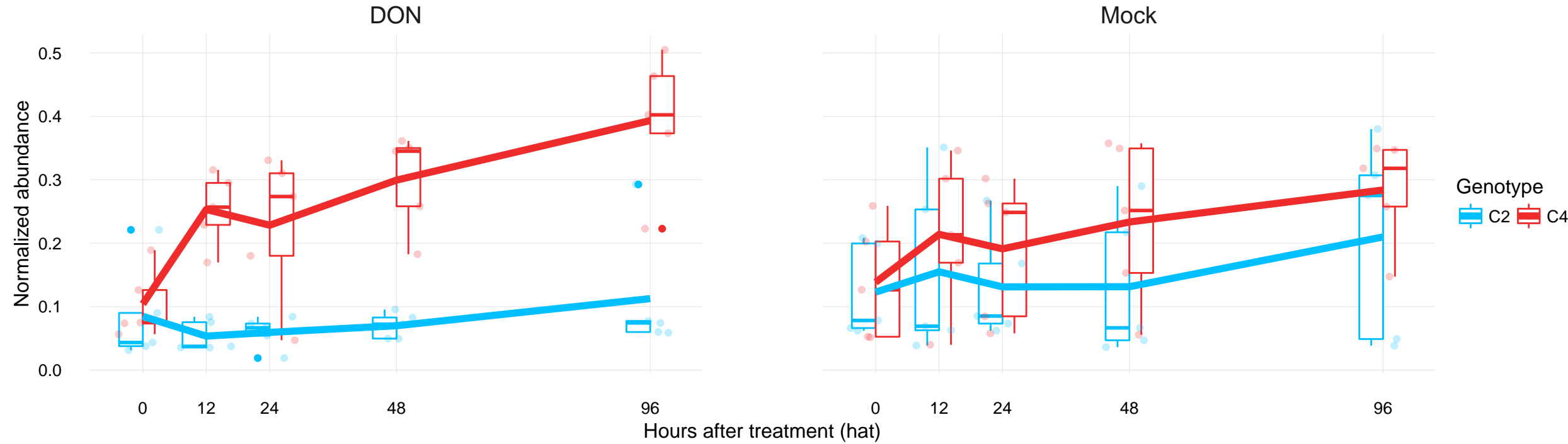
Identified metabolite (level 1)

MZ	153.0546
RT	11.63 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	8 / 7

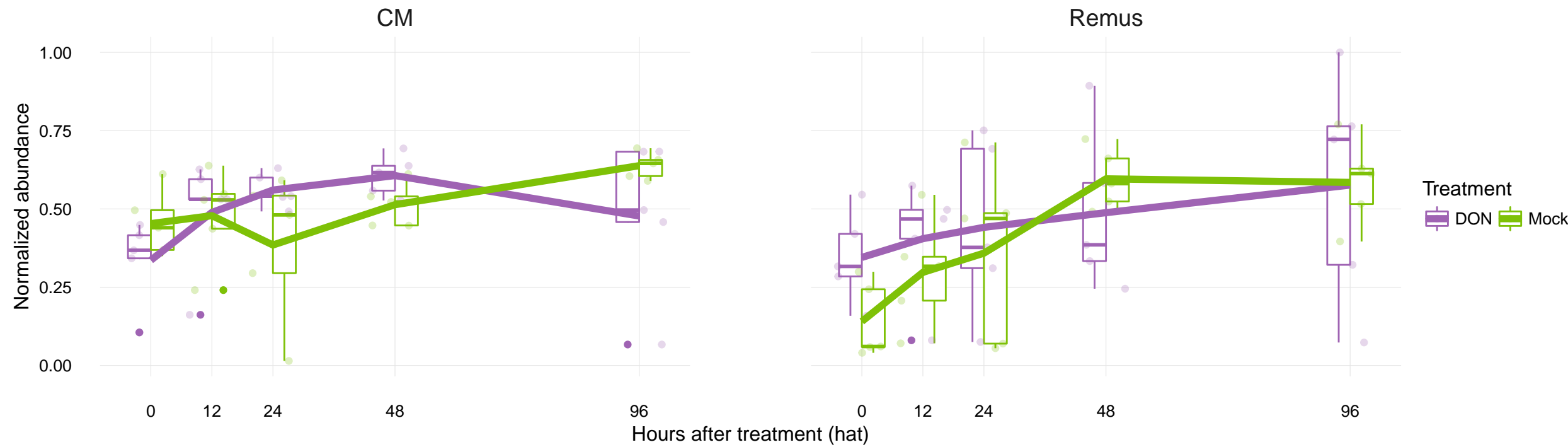
C2, C4; different treatments



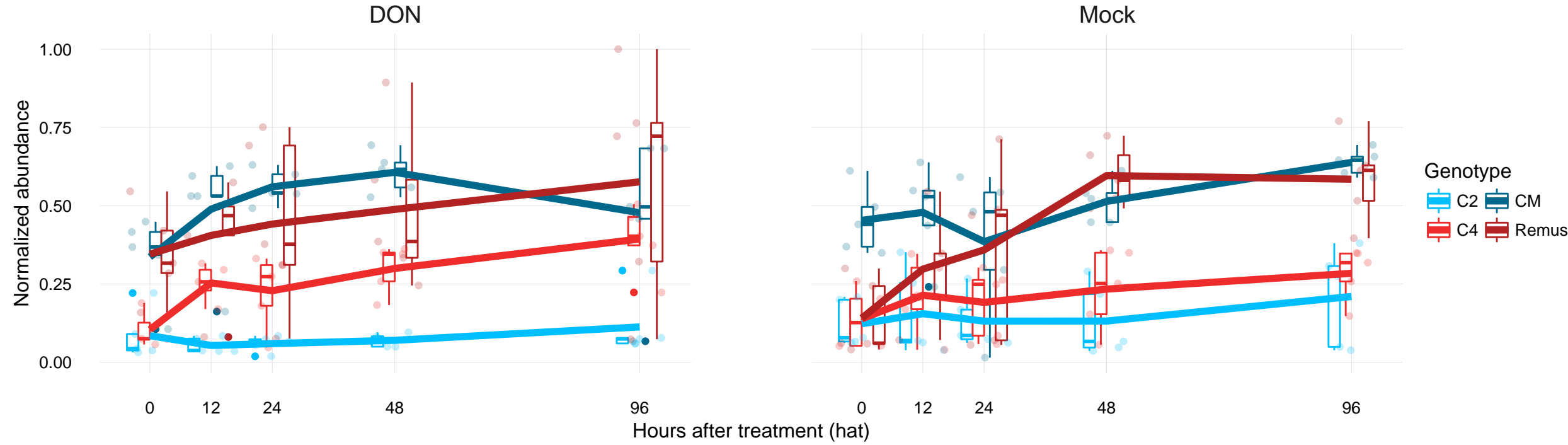
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

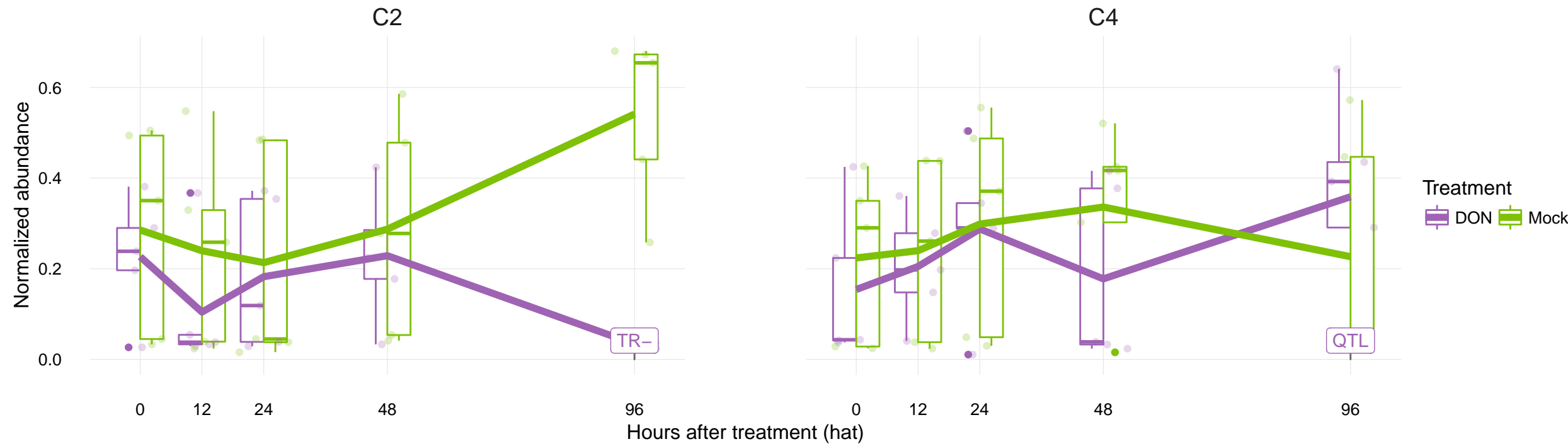


# A.37

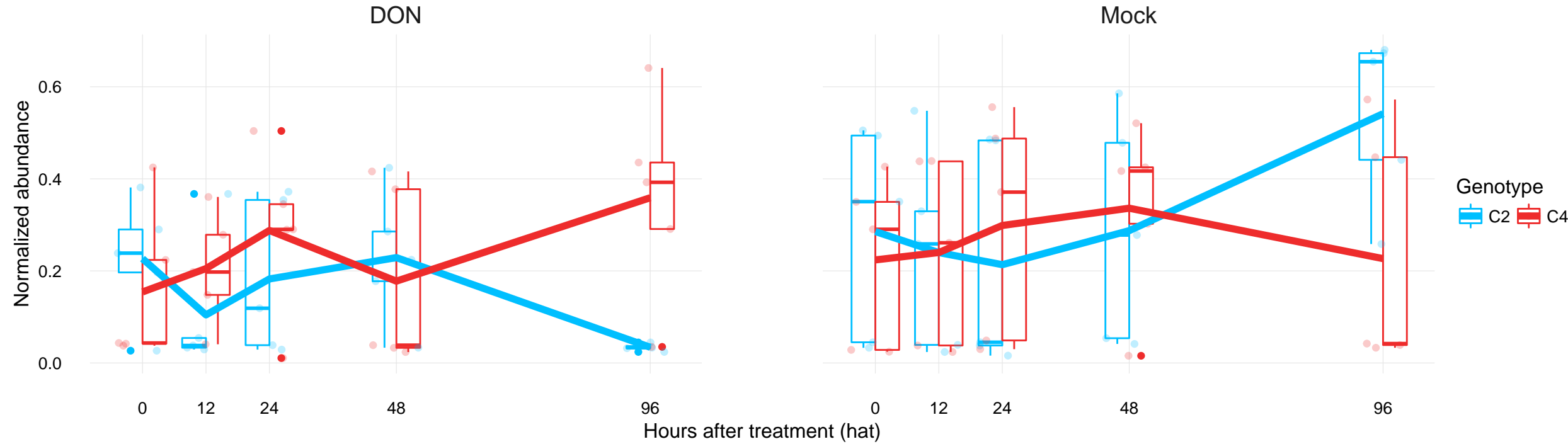
Annotated as HCA derivative  
(1 database hit)

MZ	536.1974
RT	10.28 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	22 / 9

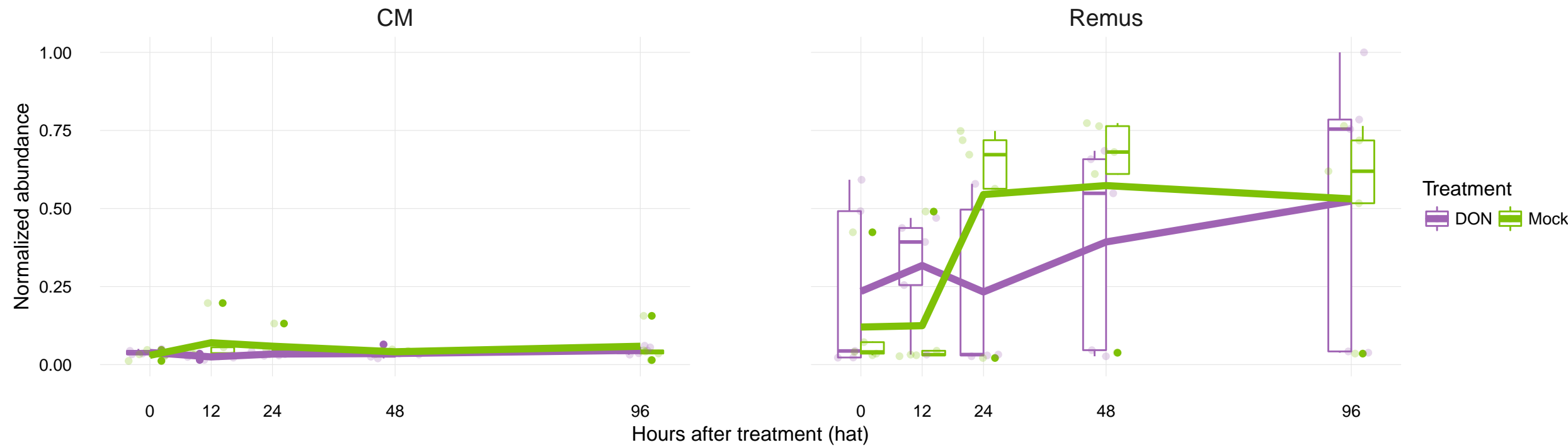
## C2, C4; different treatments



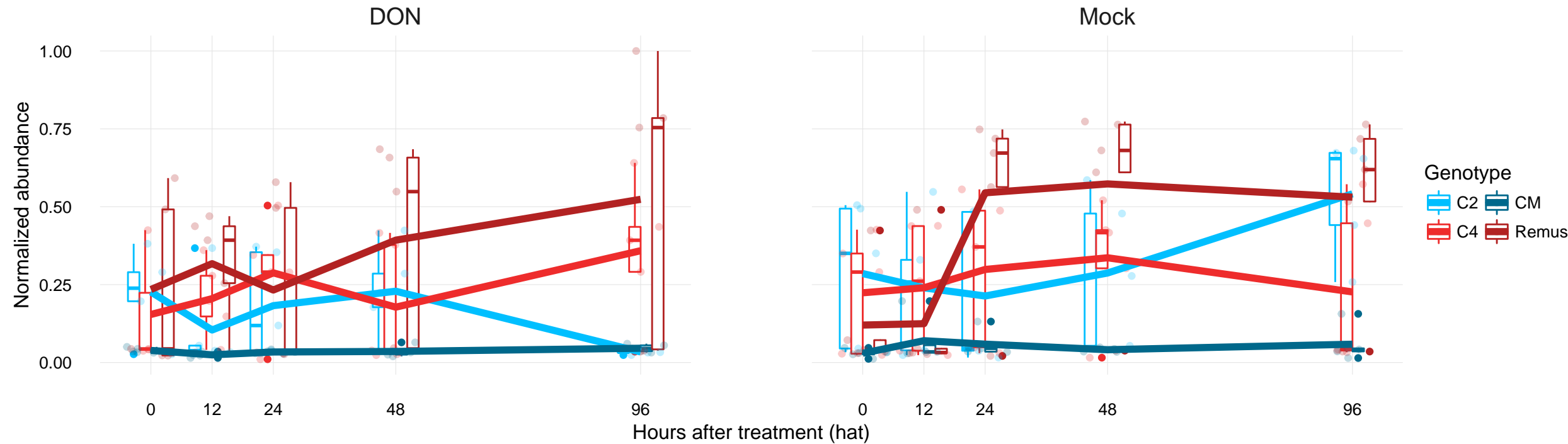
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

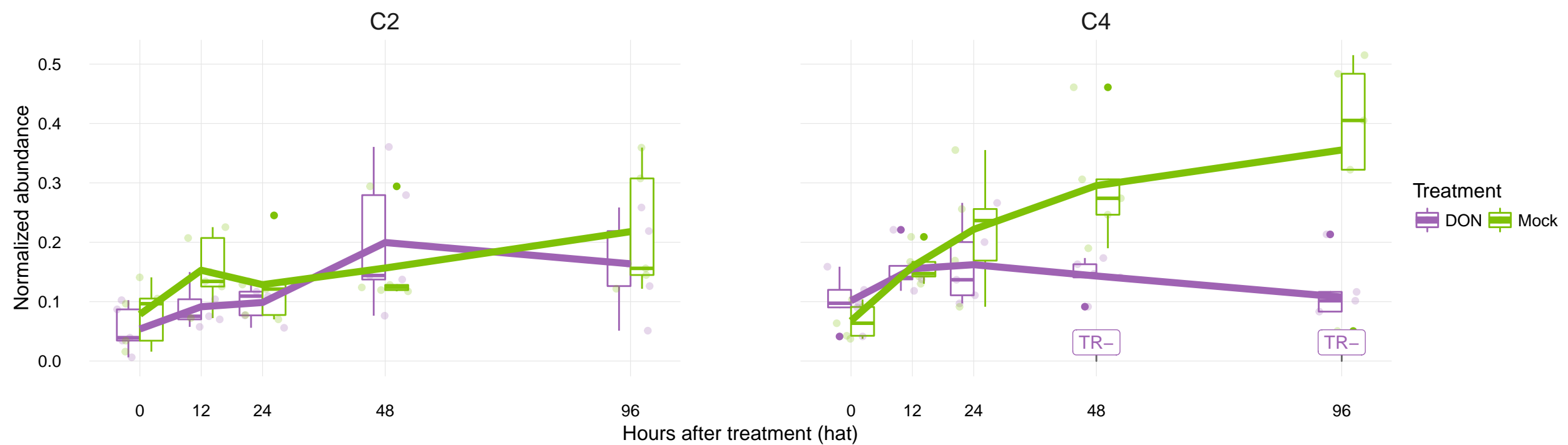


# U.18

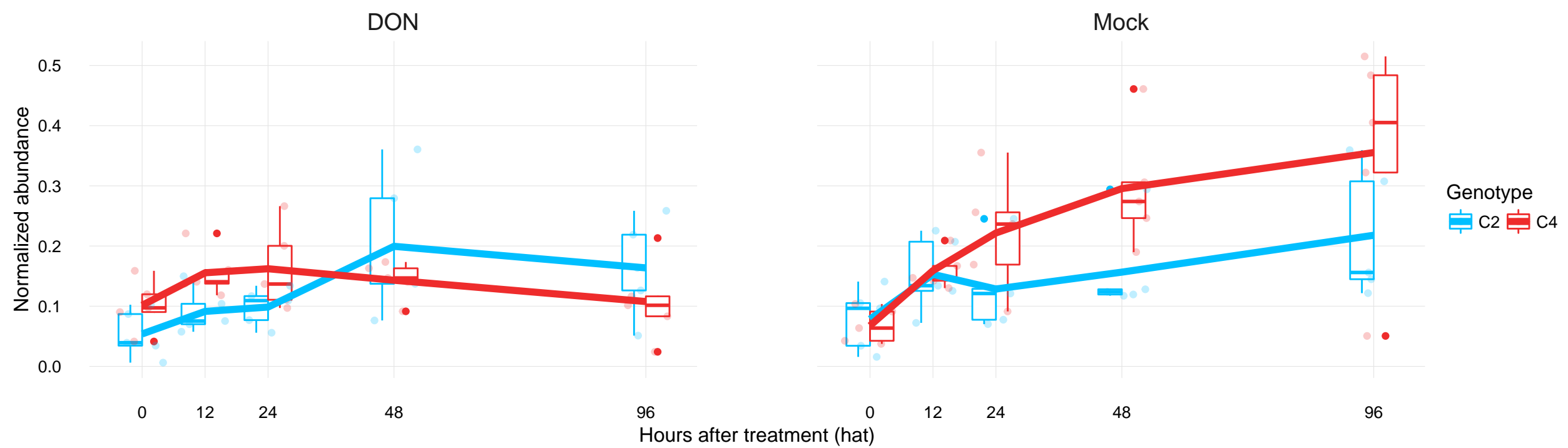
Unknown Phe-derived wheat-metabolite

MZ	335.1674
RT	34.17 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	16 / 16

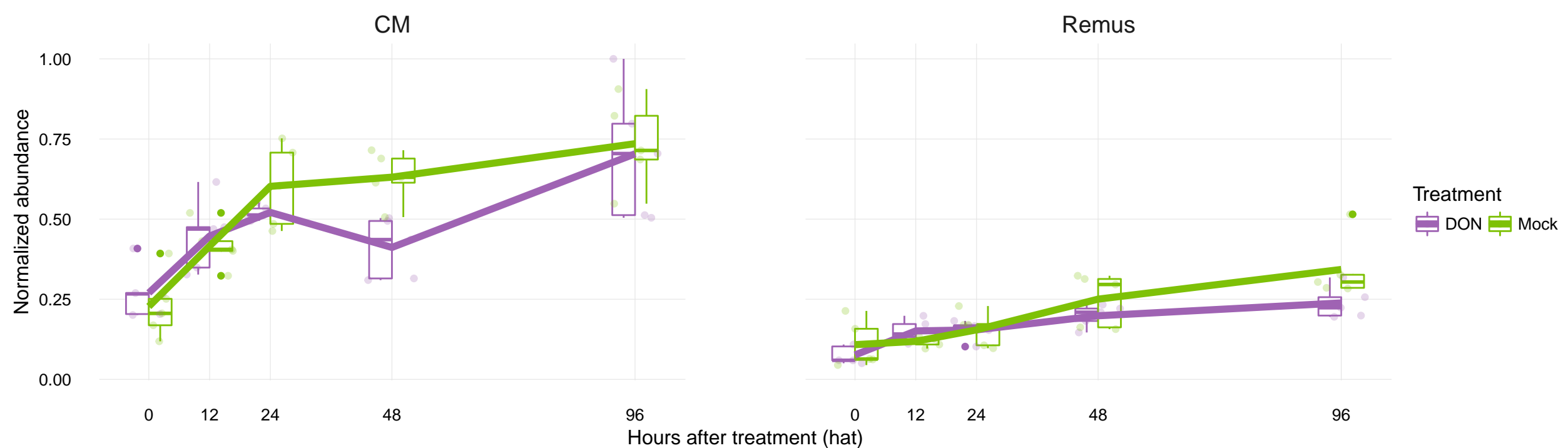
## C2, C4; different treatments



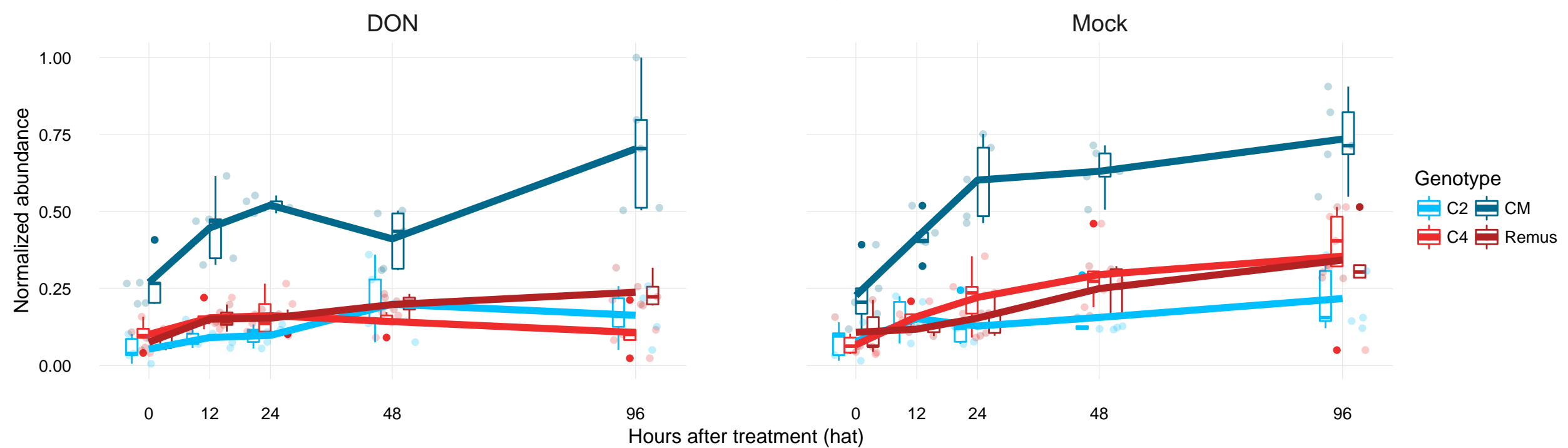
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

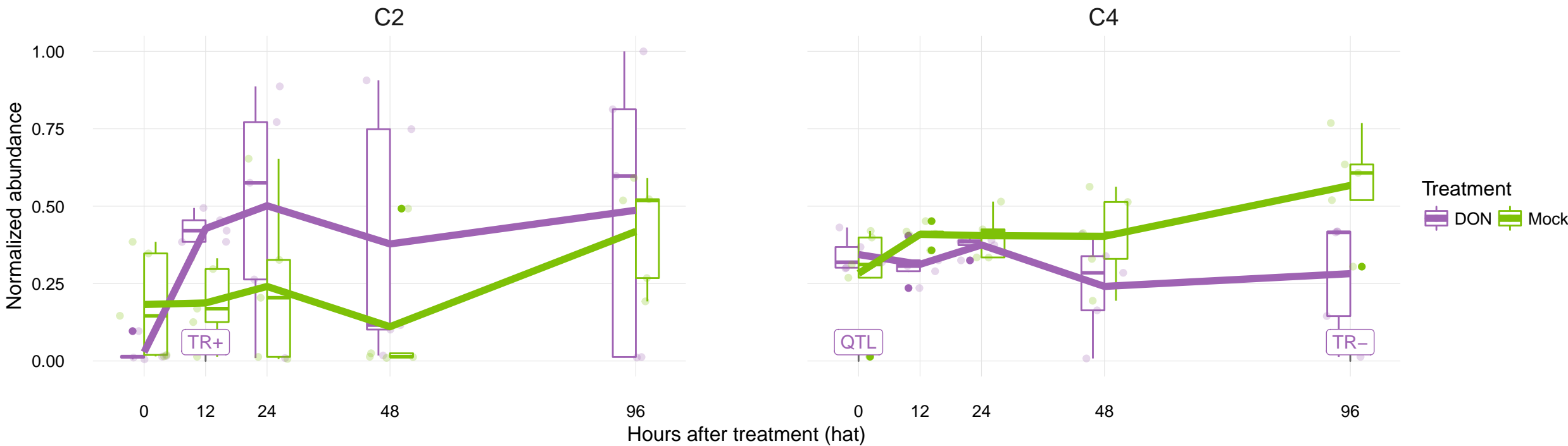


# A.141

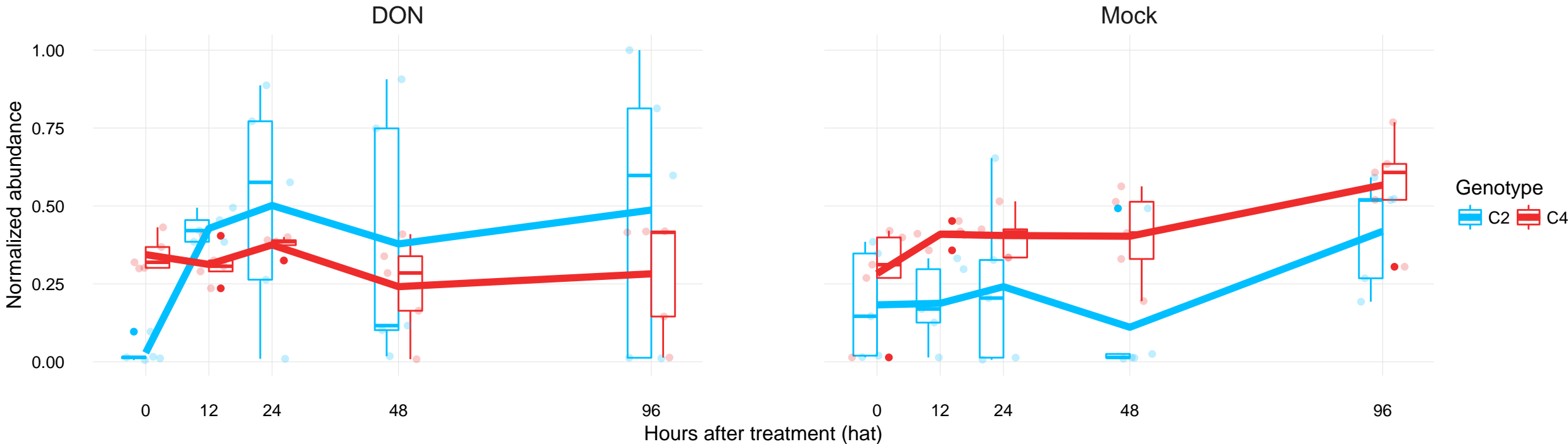
Annotated as HCA derivative  
(1 database hit)

MZ	317.1726
RT	27.78 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	17 /

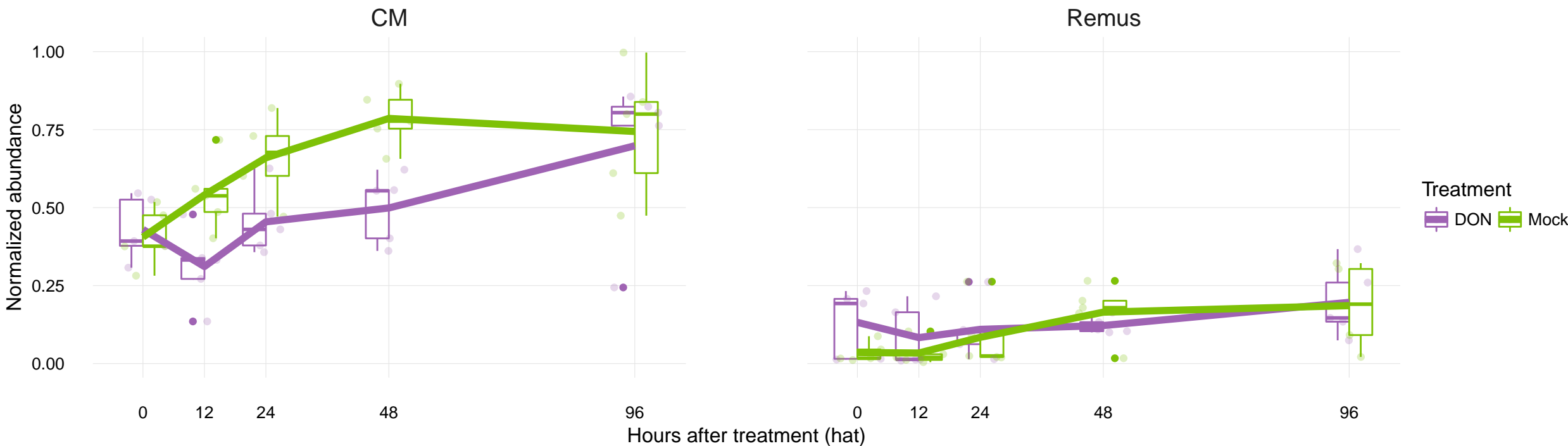
## C2, C4; different treatments



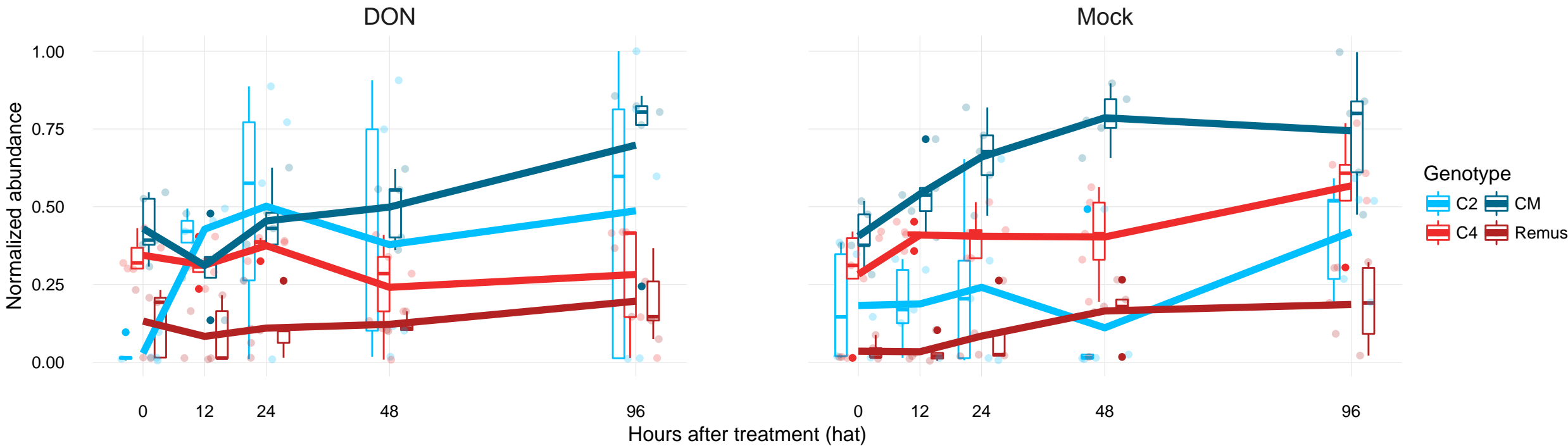
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



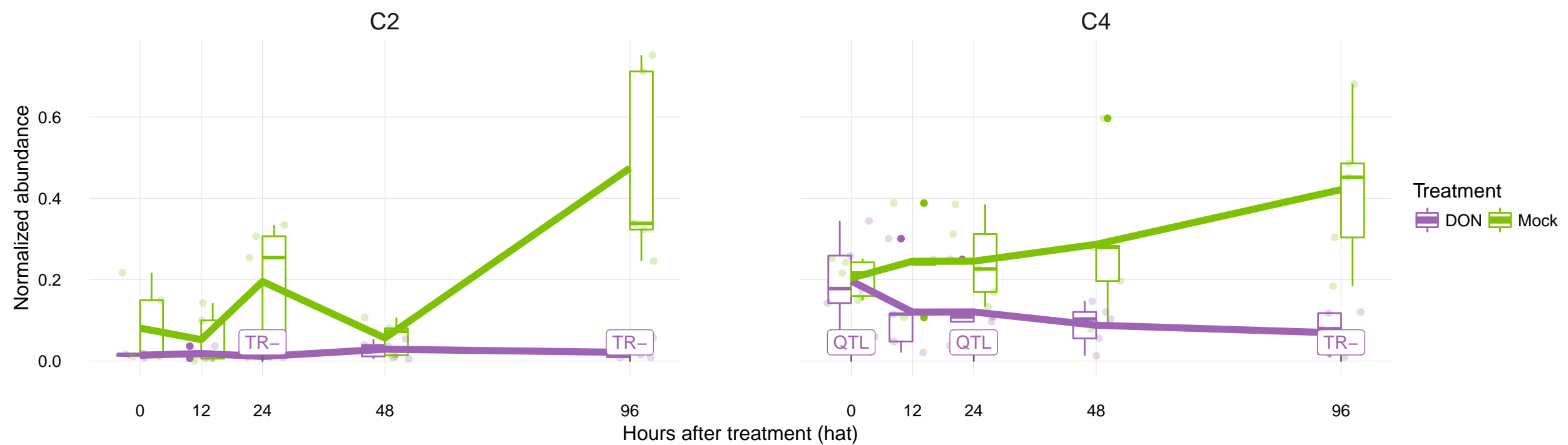


# U.17

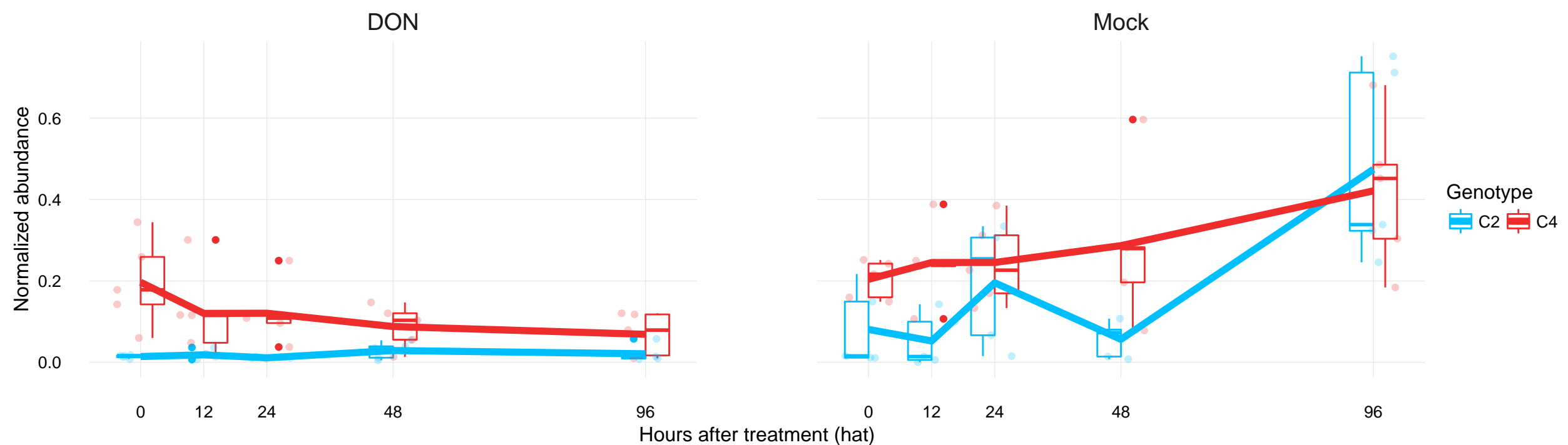
Unknown Phe-derived wheat-metabolite

MZ	541.3291
RT	33.09 min
Normalization	Not normalized
Cluster	–
Cn total / Phe	8 / 8

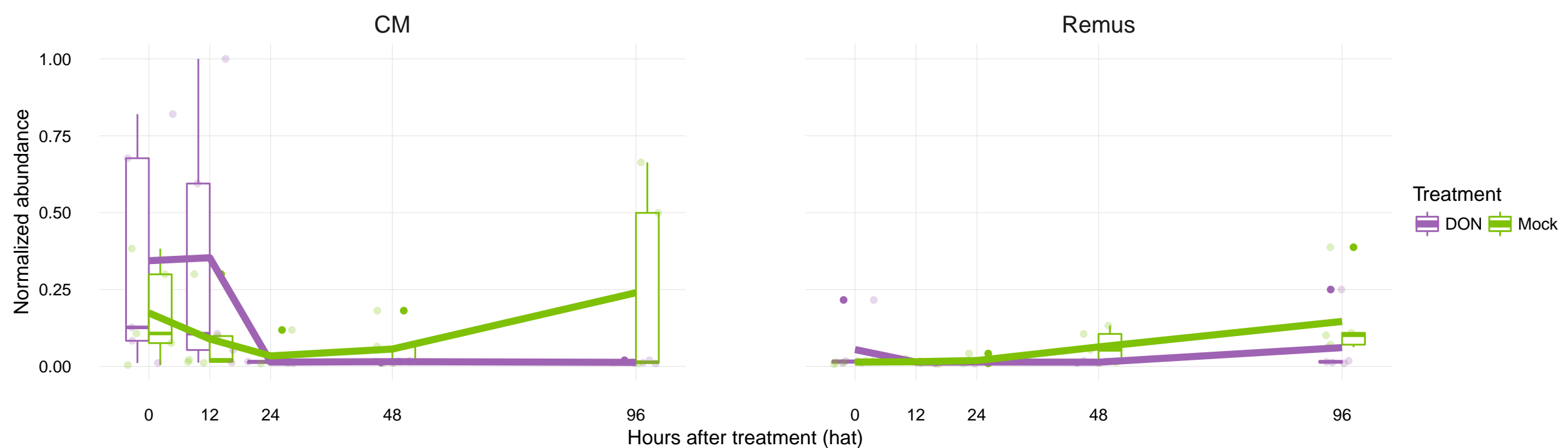
## C2, C4; different treatments



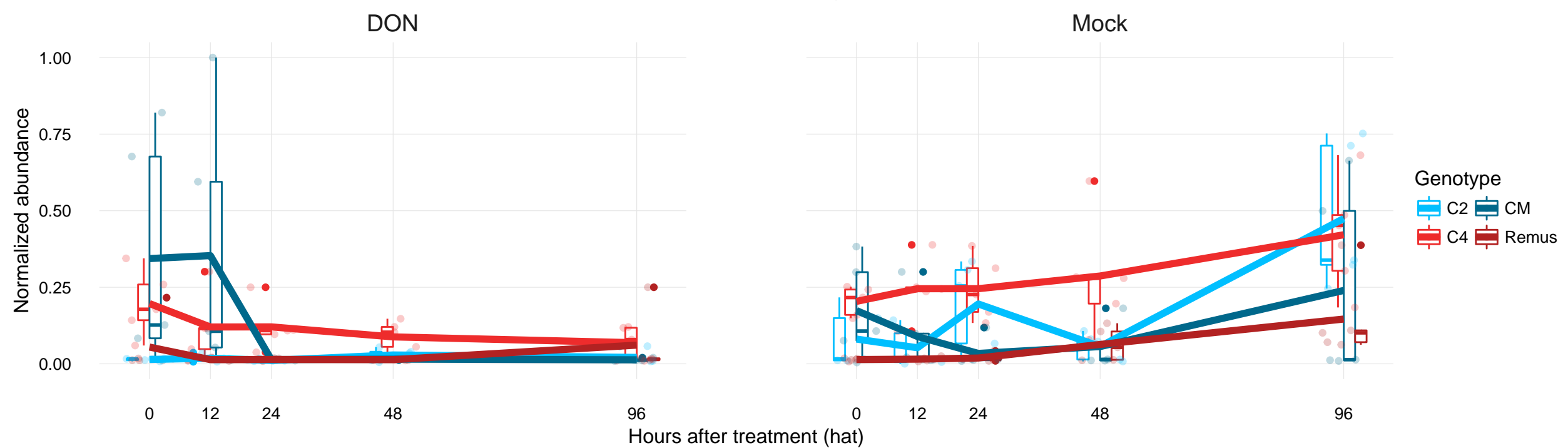
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



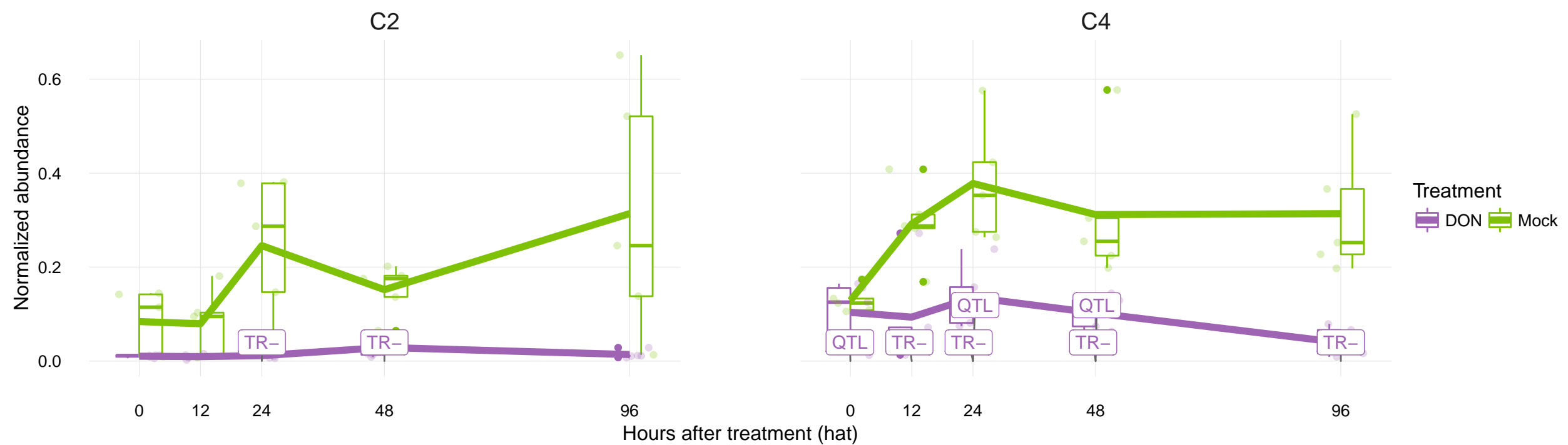


# U.16

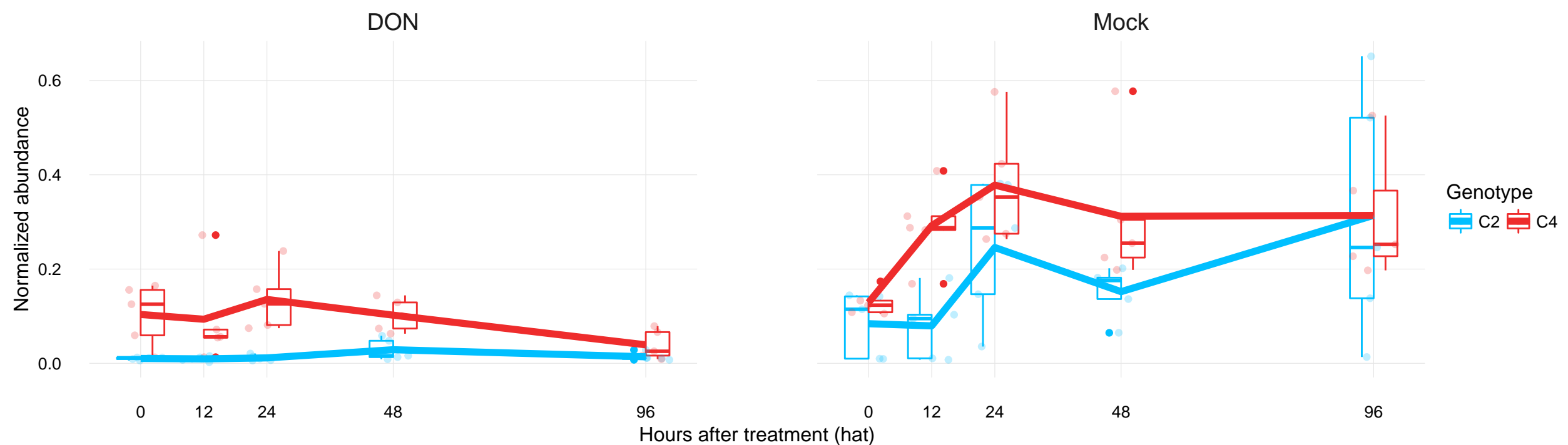
Unknown Phe-derived wheat-metabolite

MZ	798.9801
RT	31.92 min
Normalization	Not normalized
Cluster	–
Cn total / Phe	6 / 6

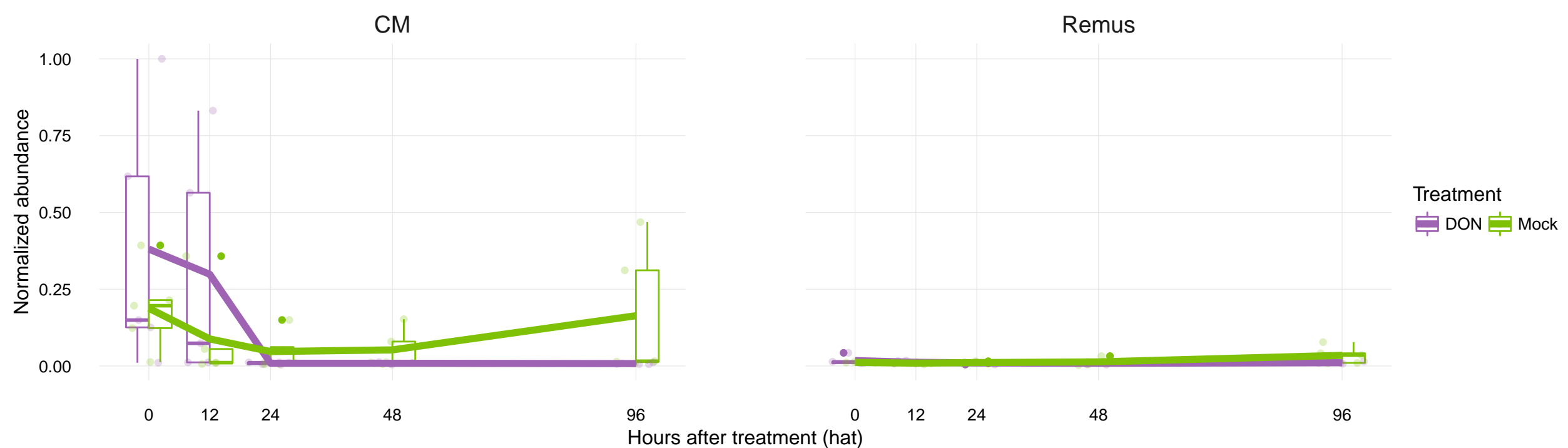
## C2, C4; different treatments



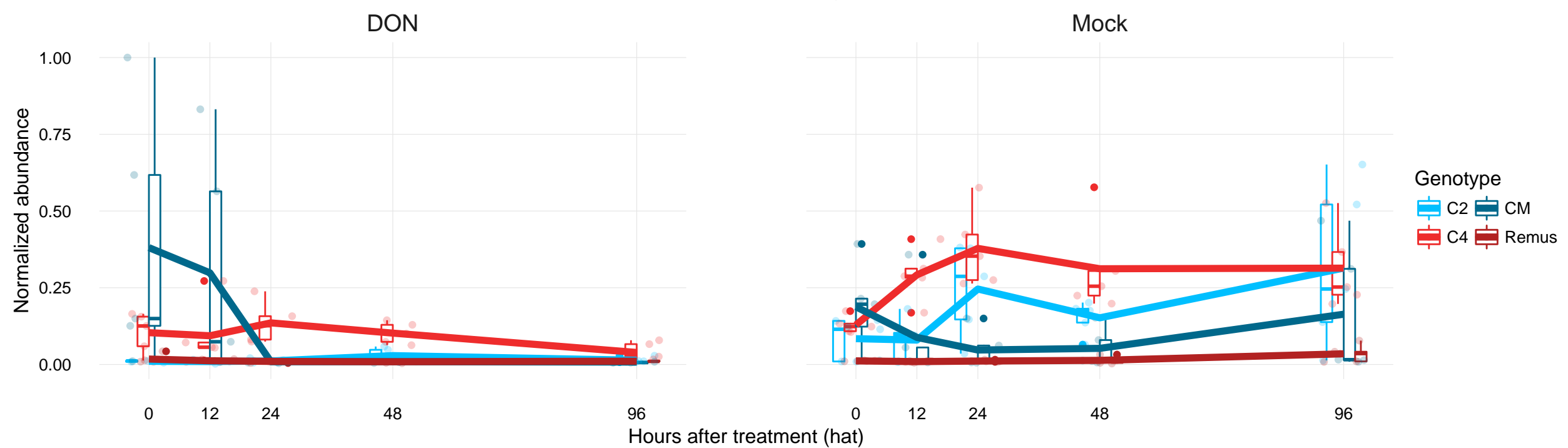
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

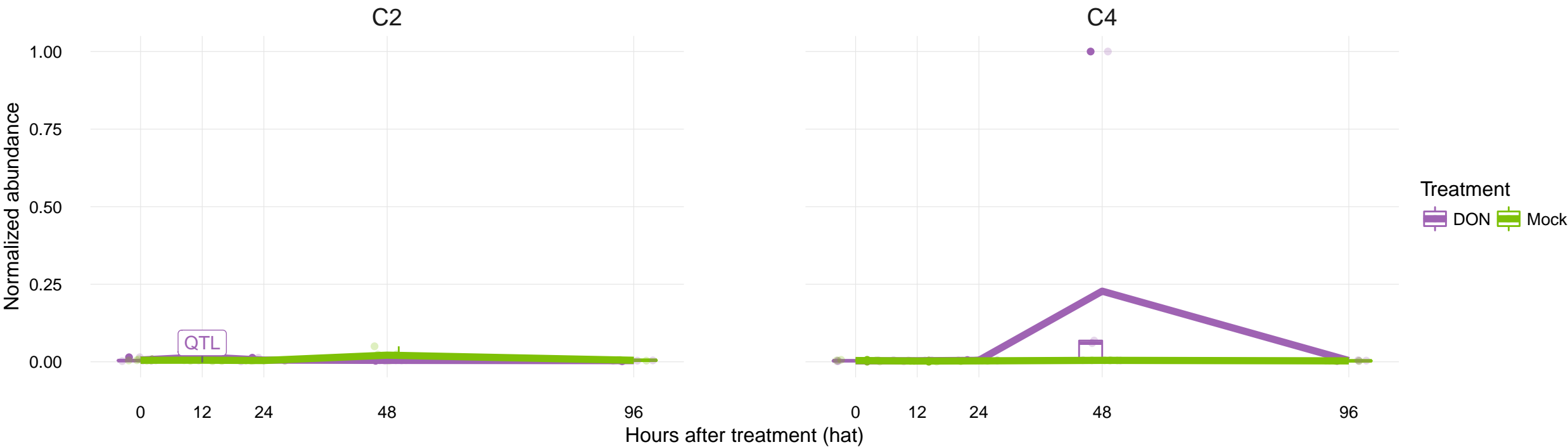


# A.9

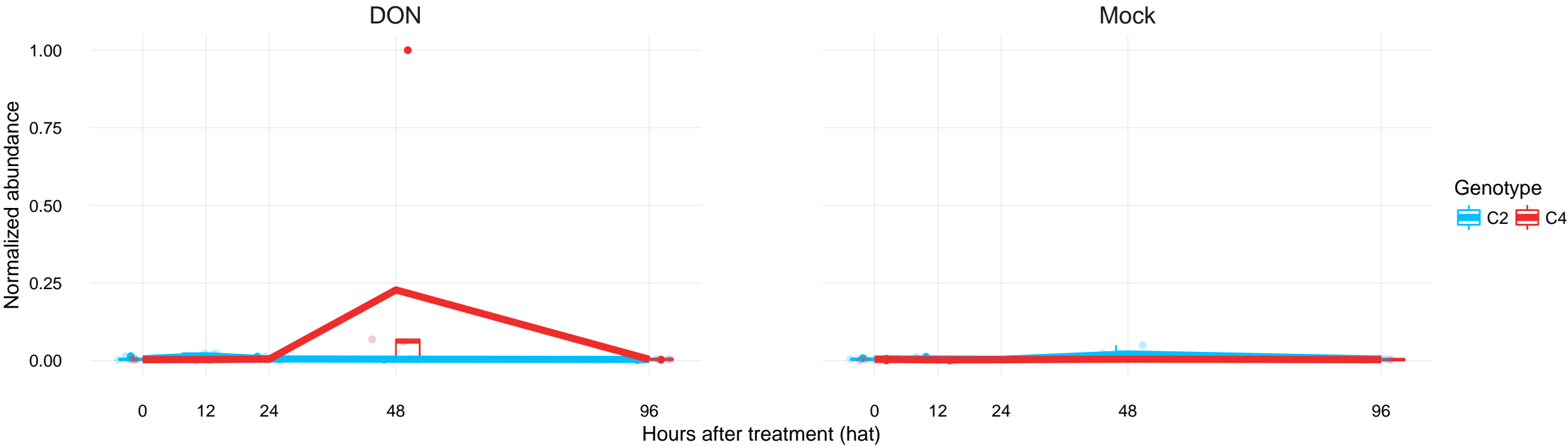
Annotated as Putative phenylacetic acid derivative  
(1 database hit)

MZ	105.0698
RT	5.43 min
Normalization	Not normalized
Cluster	–
Cn total / Phe	8 / 8

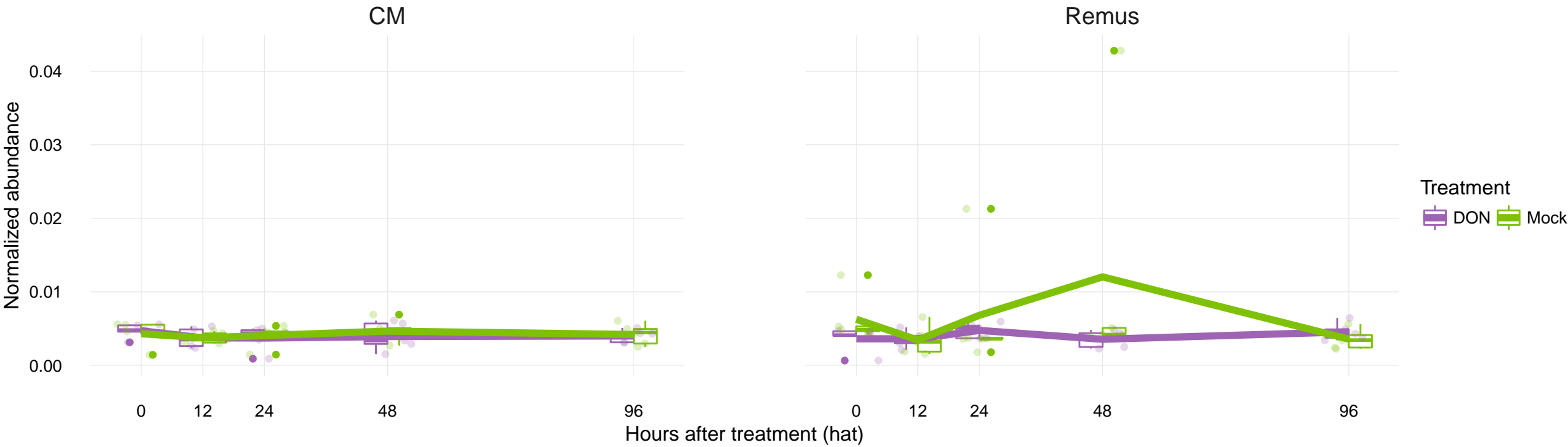
## C2, C4; different treatments



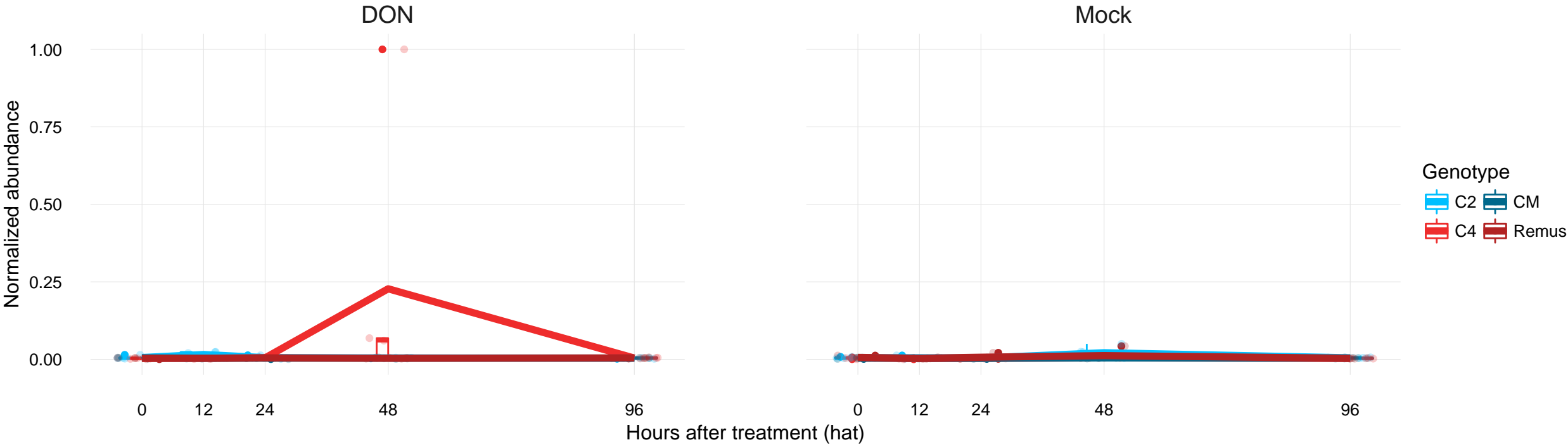
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

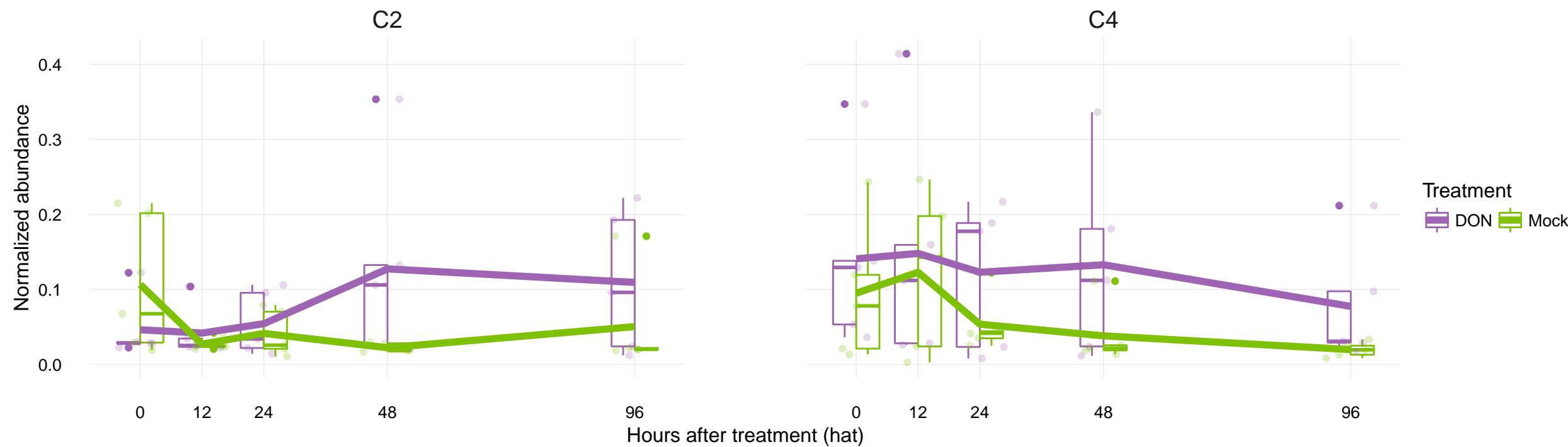


# A.106

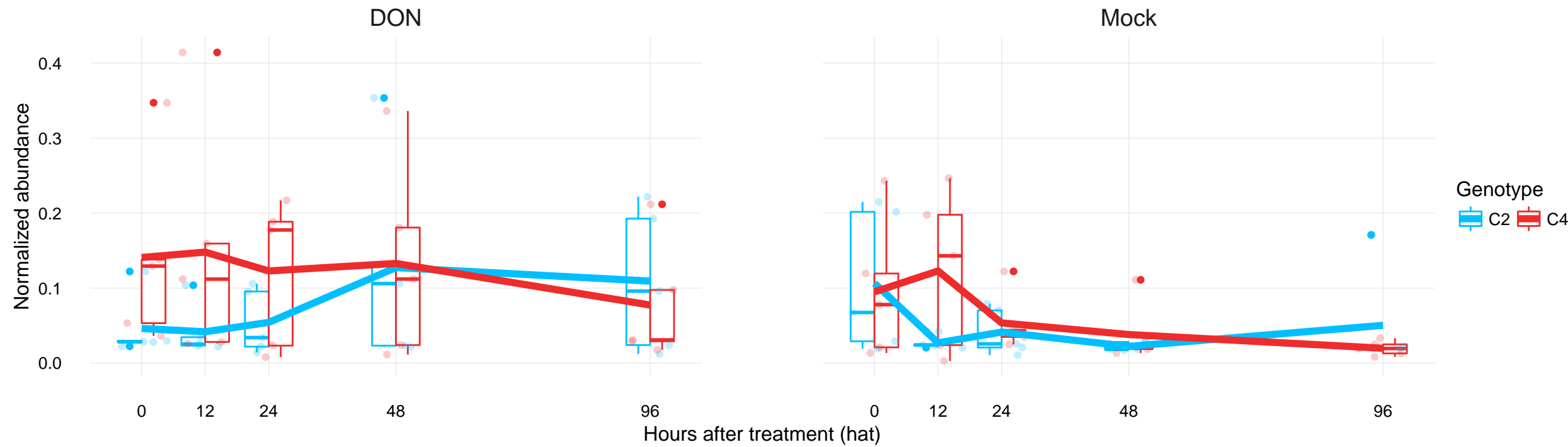
Annotated as Flavonoid  
(30 database hits)

MZ	373.1281
RT	17.44 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	20 / 9

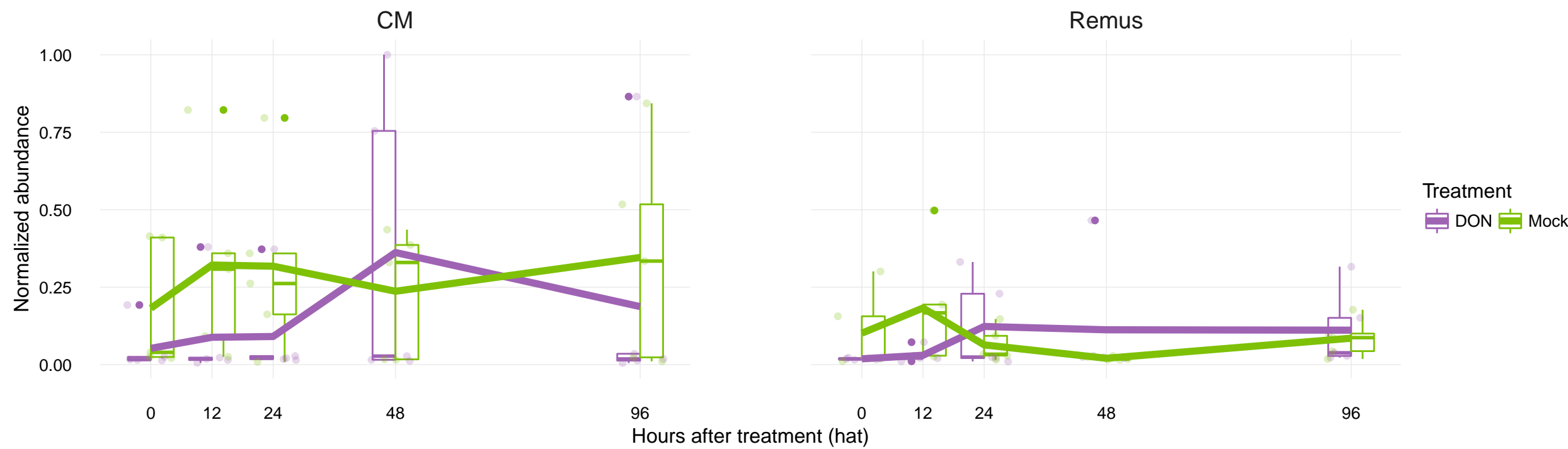
## C2, C4; different treatments



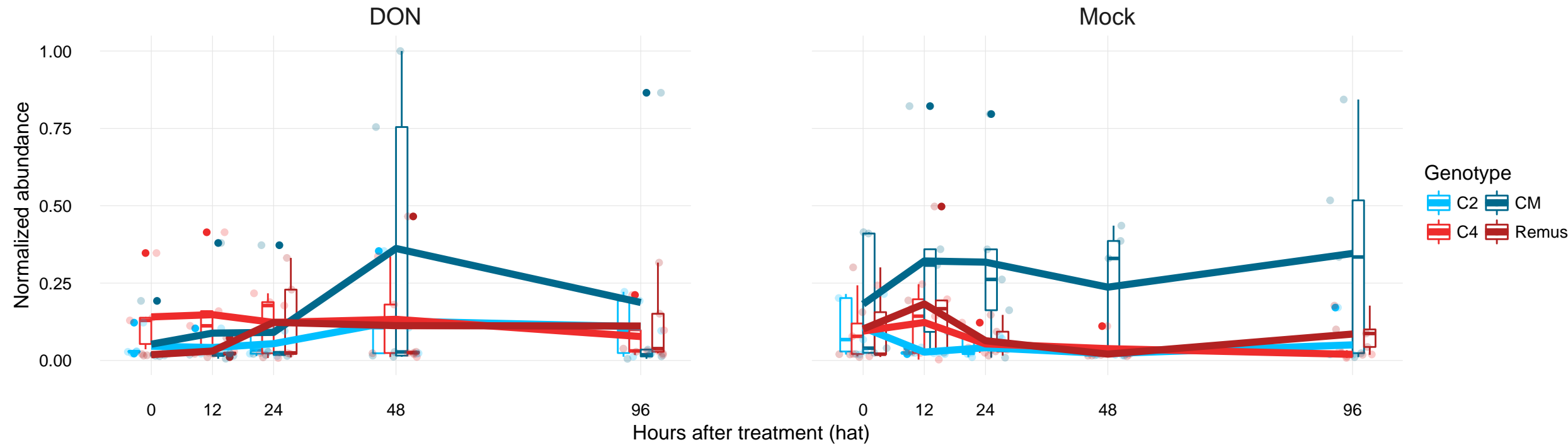
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

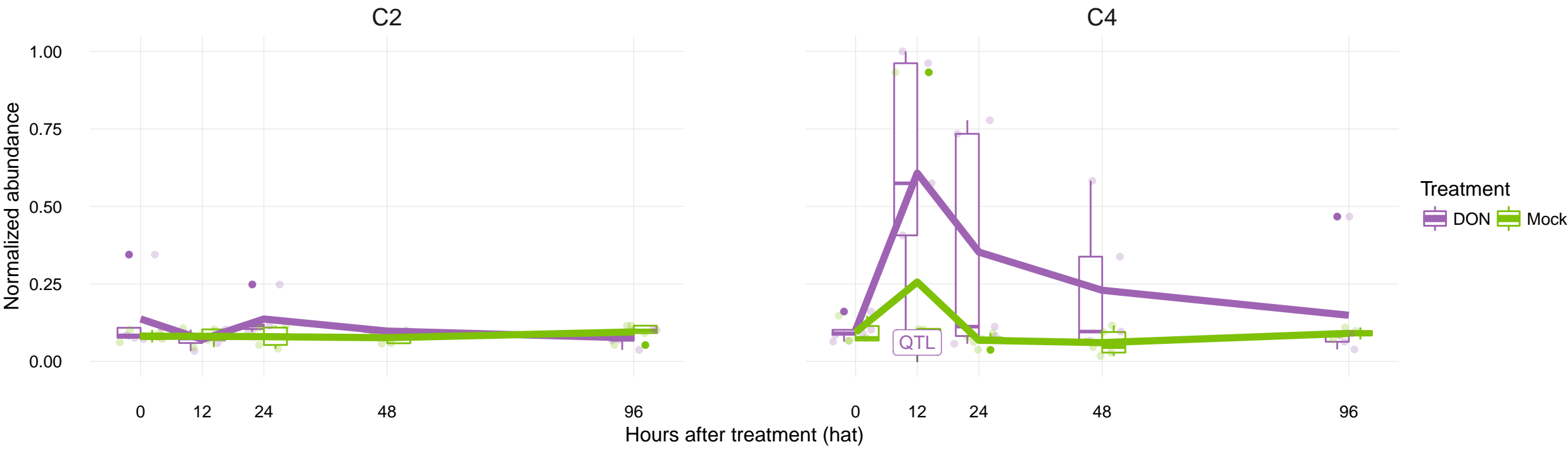


# A.6

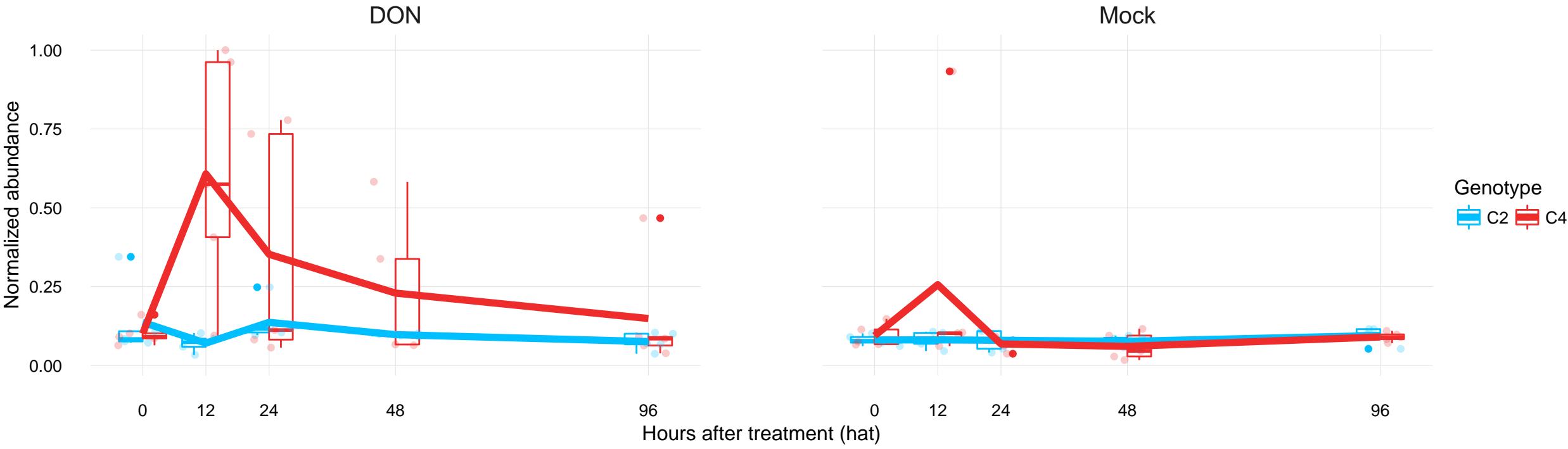
Annotated as others  
(4 database hits)

MZ	137.0597
RT	4.18 min
Normalization	Not normalized
Cluster	–
Cn total / Phe	8 /

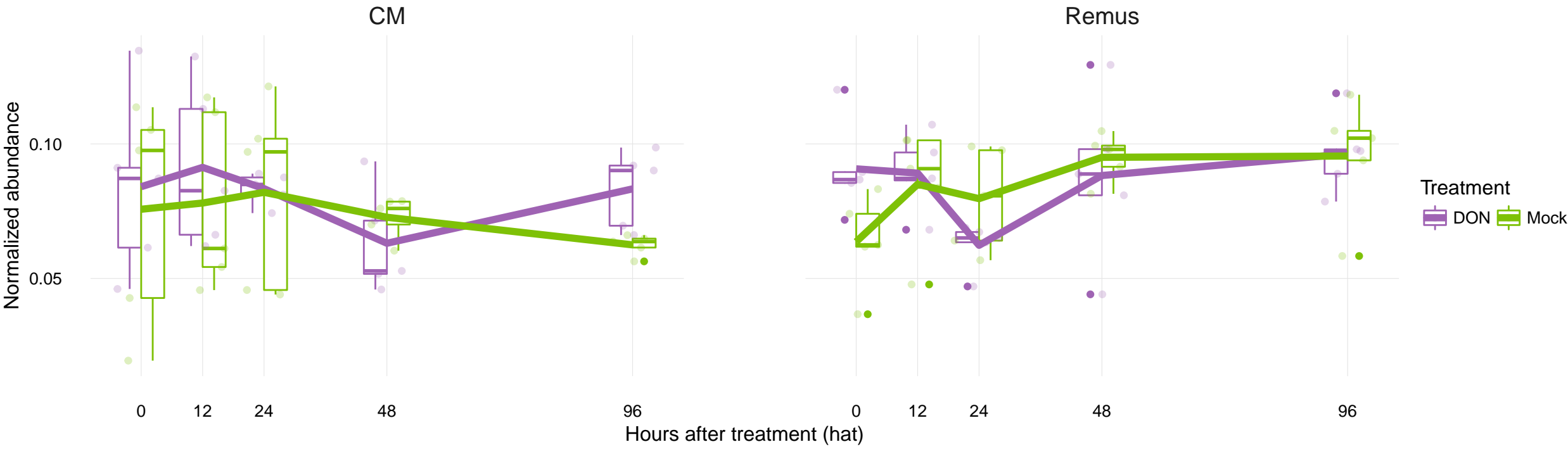
## C2, C4; different treatments



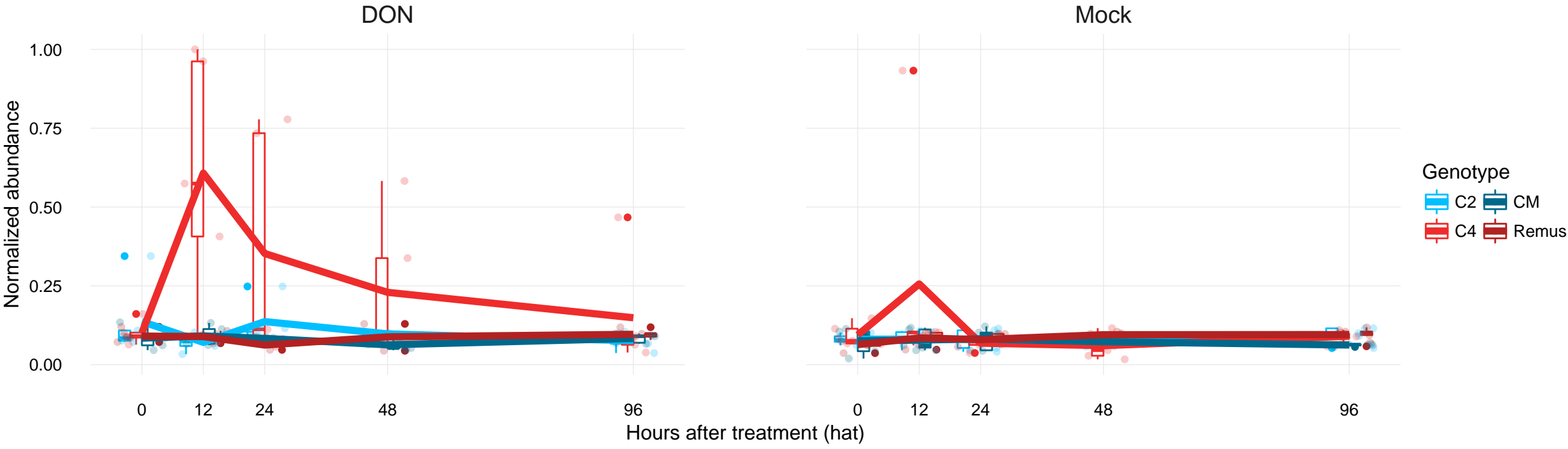
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

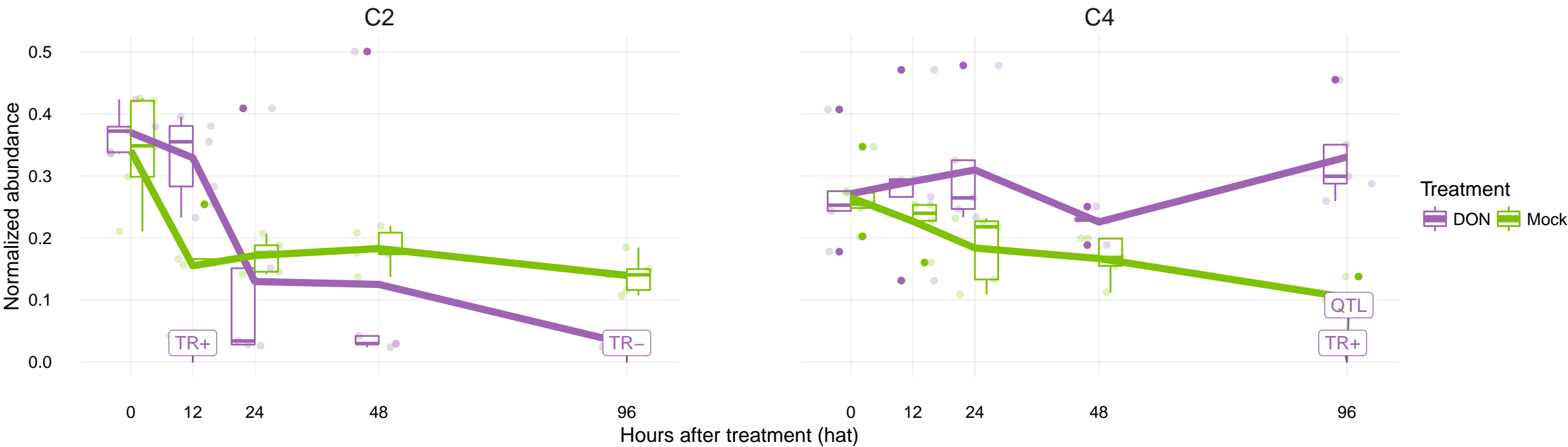


# A.33

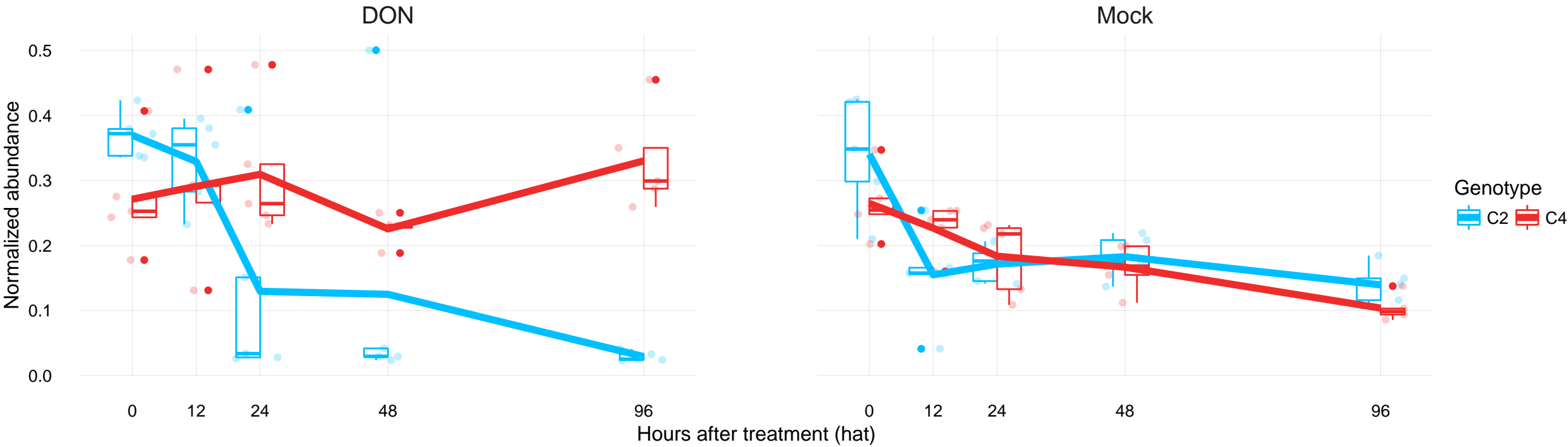
Annotated as HCA derivative  
(1 database hit)

MZ	395.1313
RT	9.66 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	17 /

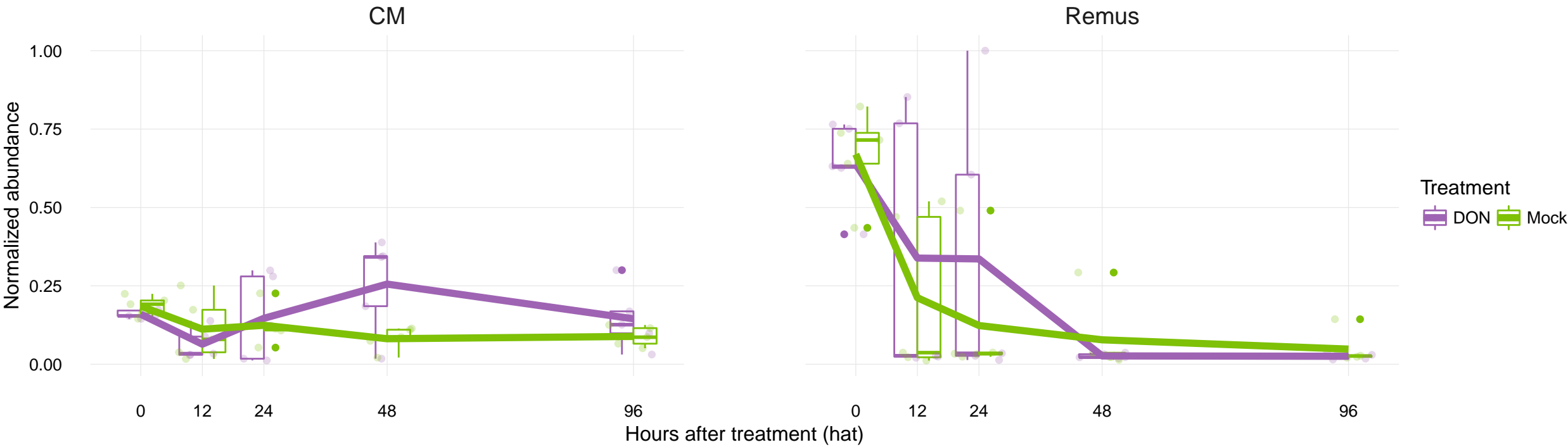
## C2, C4; different treatments



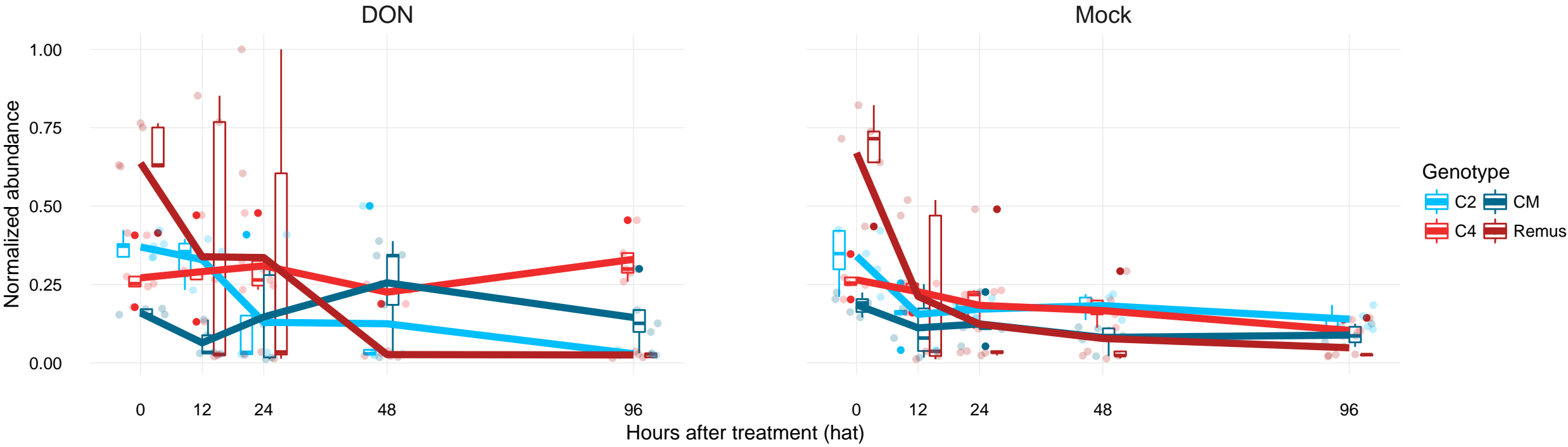
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

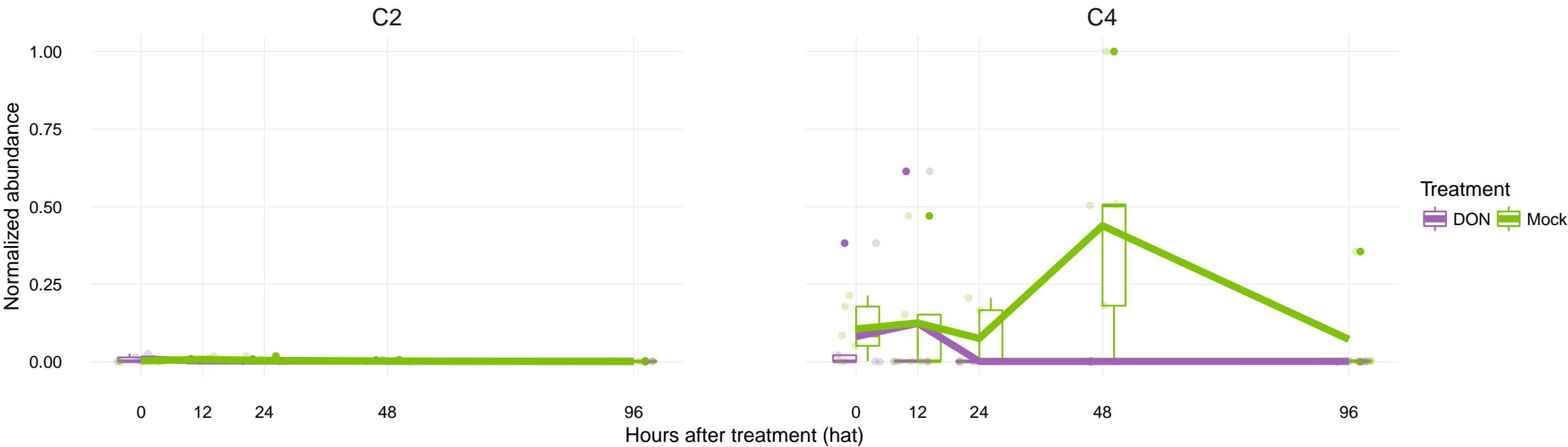


# A.90

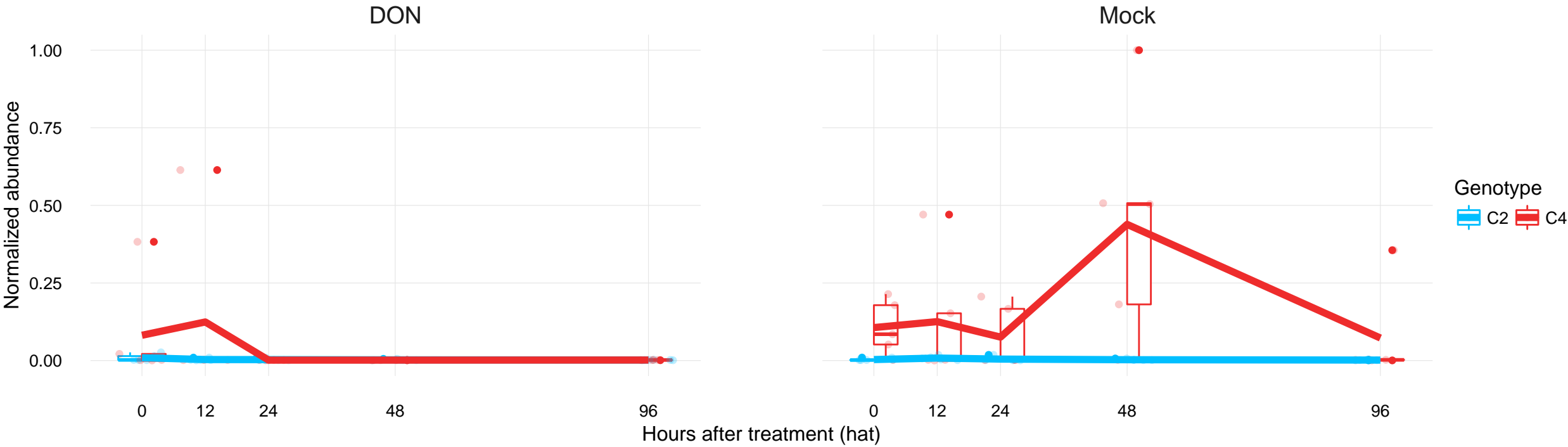
Annotated as Flavonoid (GlcF)  
(69 database hits)

MZ	463.1237
RT	15.58 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	22 /

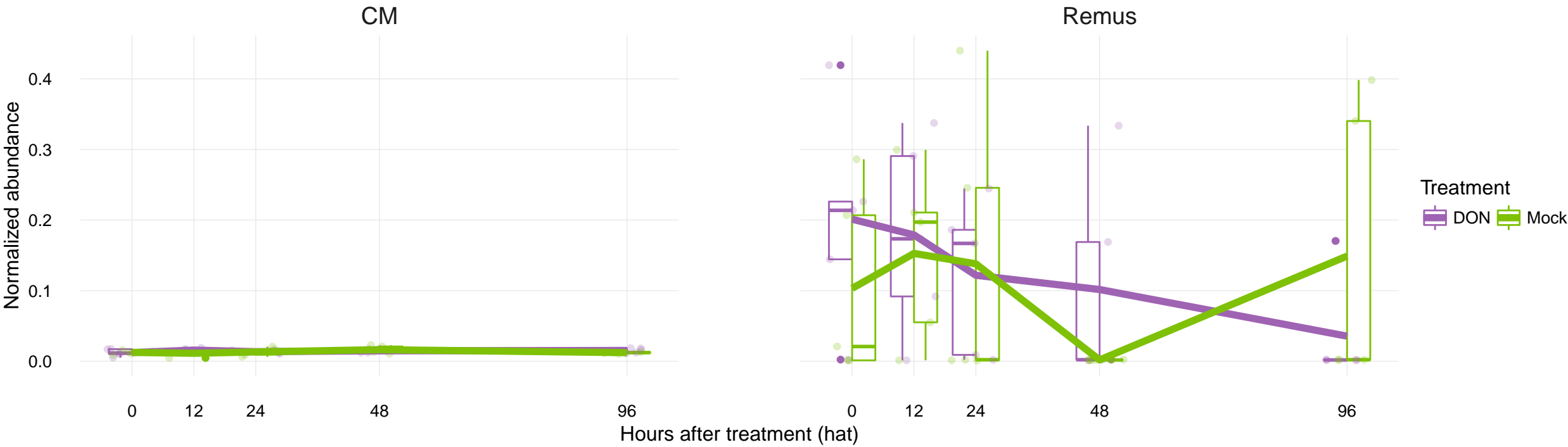
## C2, C4; different treatments



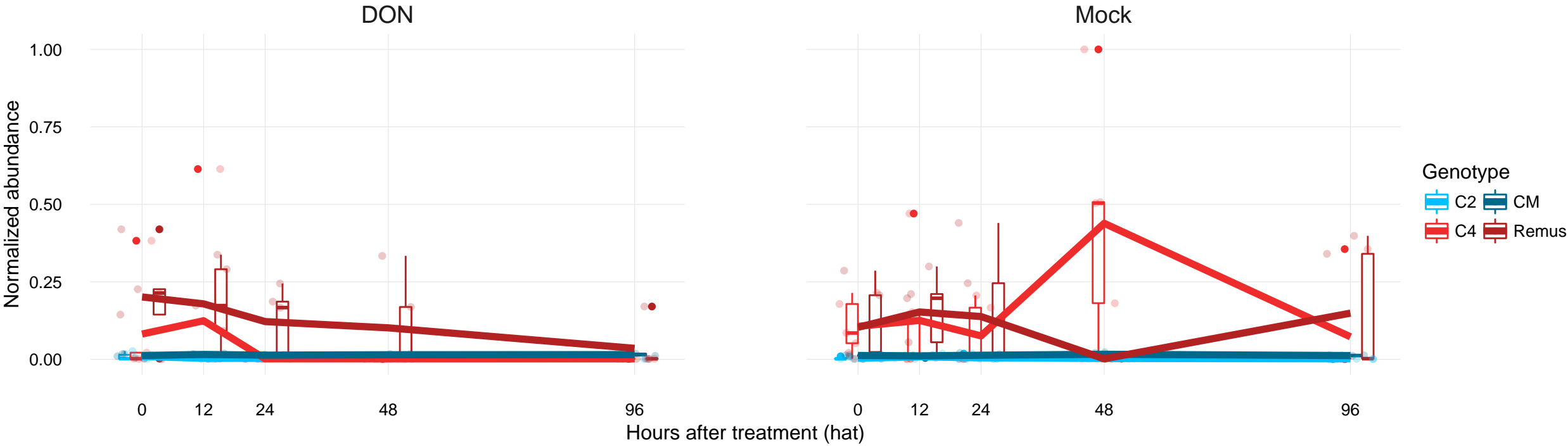
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

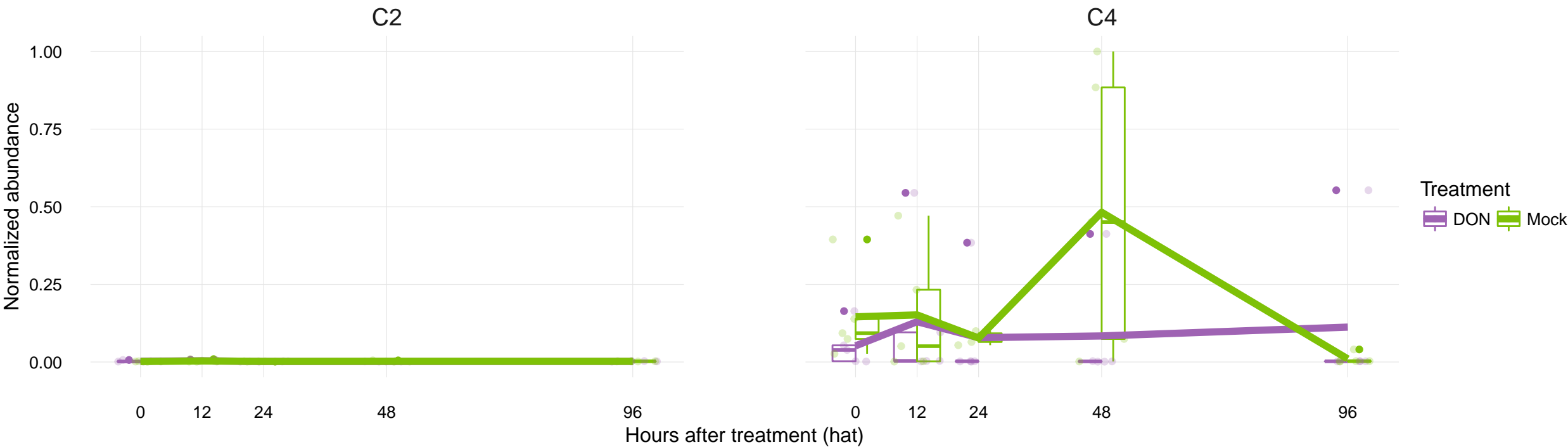


# A.89

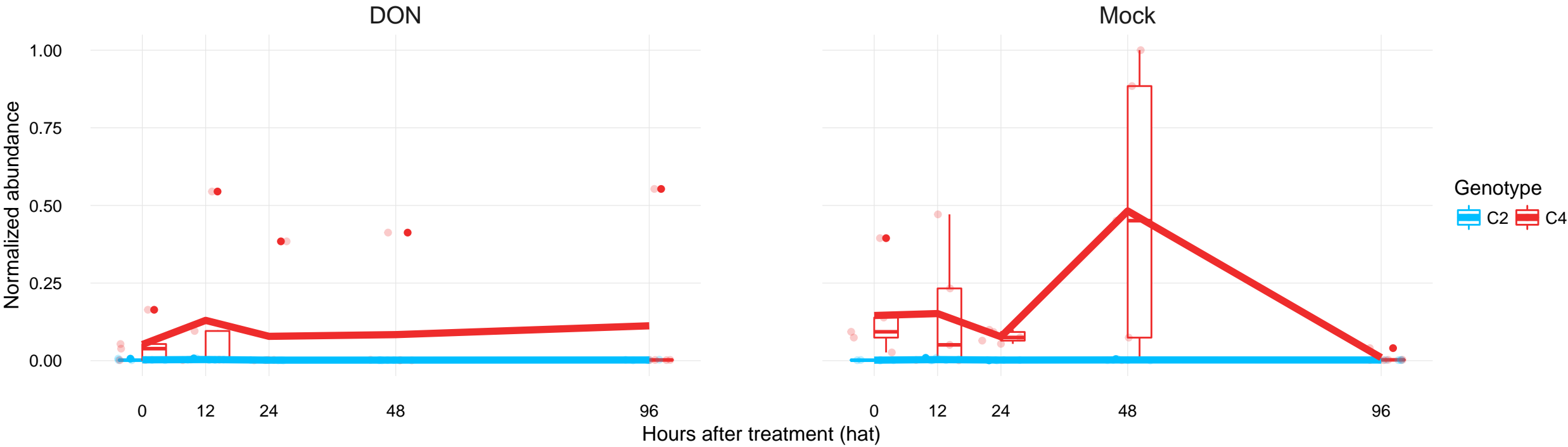
Annotated as Flavonoid (GlcF)  
(68 database hits)

MZ	433.1131
RT	15.33 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	21 /

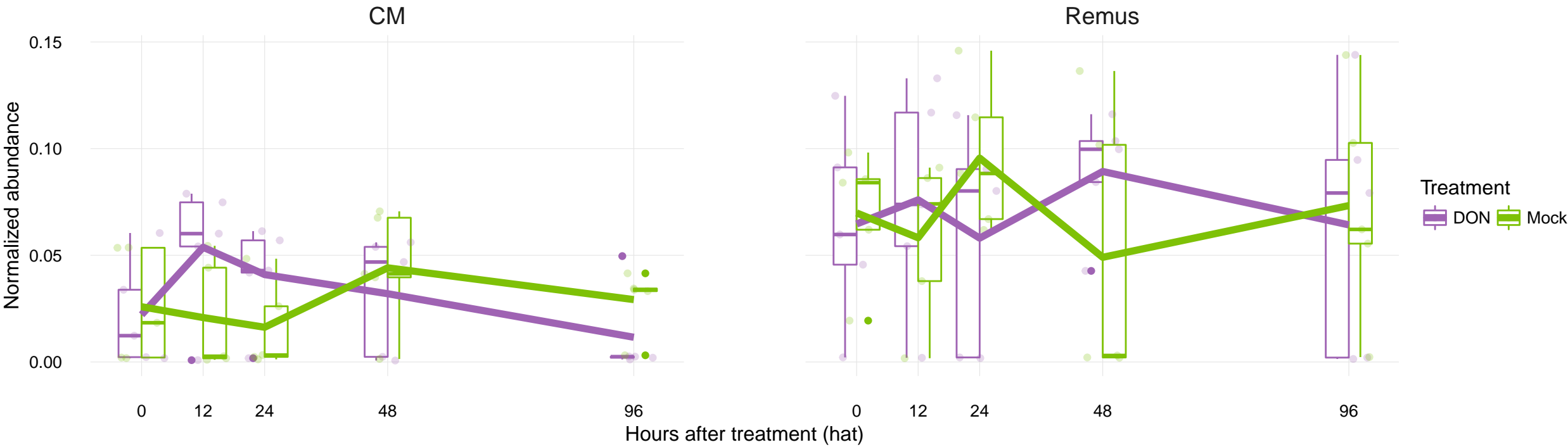
## C2, C4; different treatments



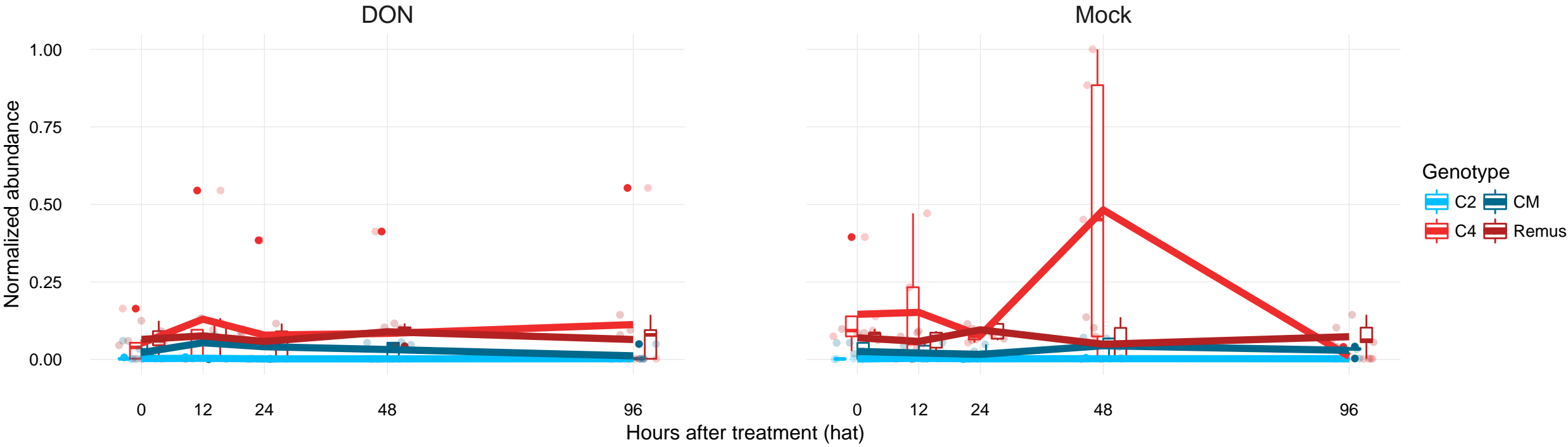
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



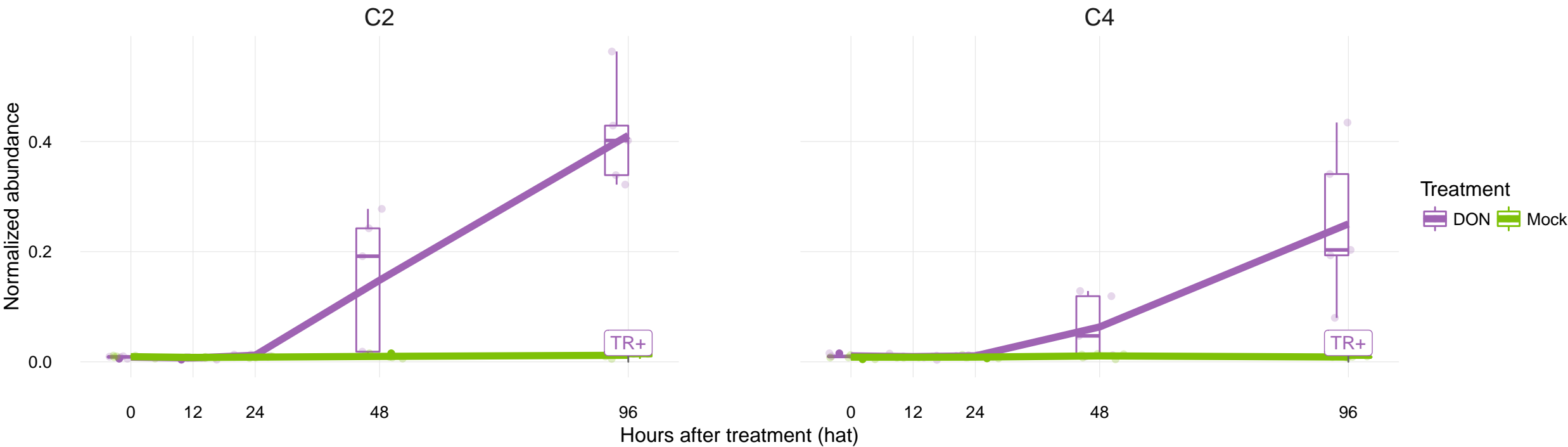


# FerTam

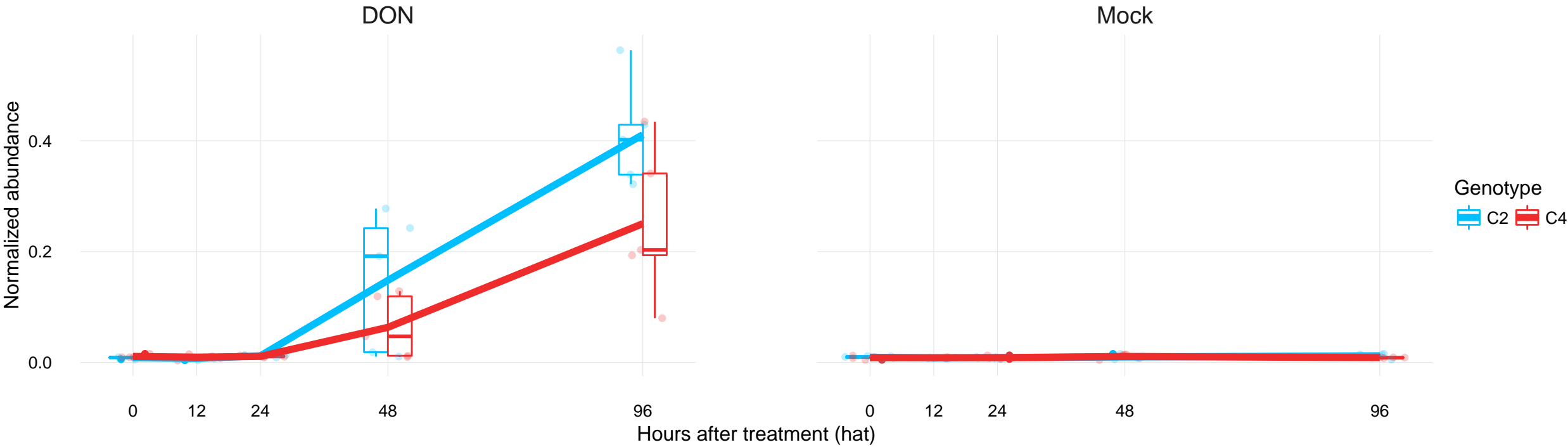
Identified metabolite (level 1)

MZ	337.1548
RT	20.97 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 1B
Cn total / Phe	20 / 9

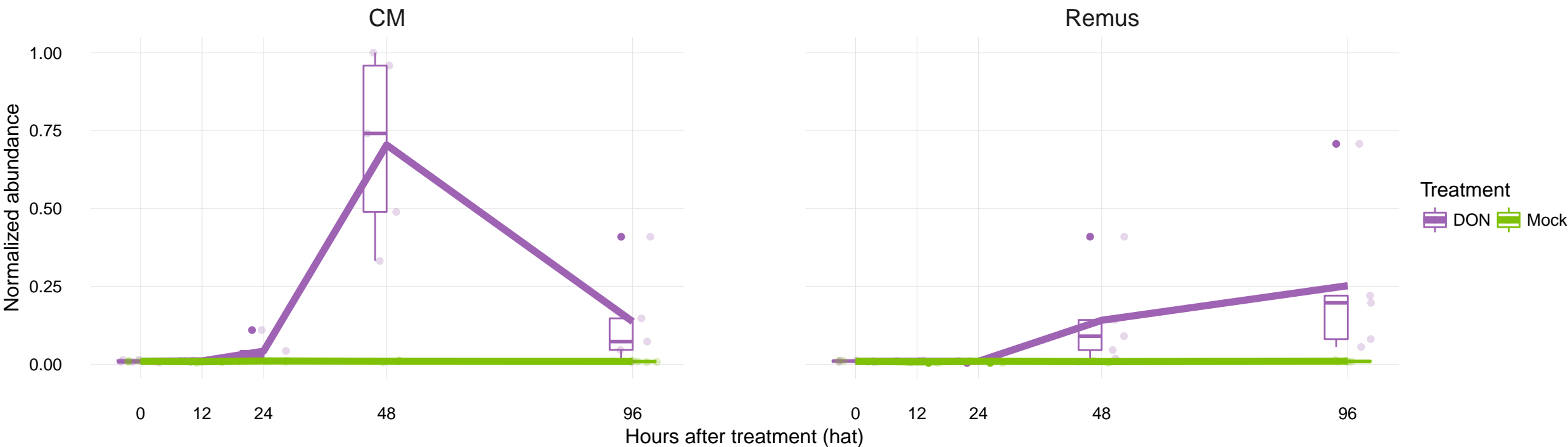
C2, C4; different treatments



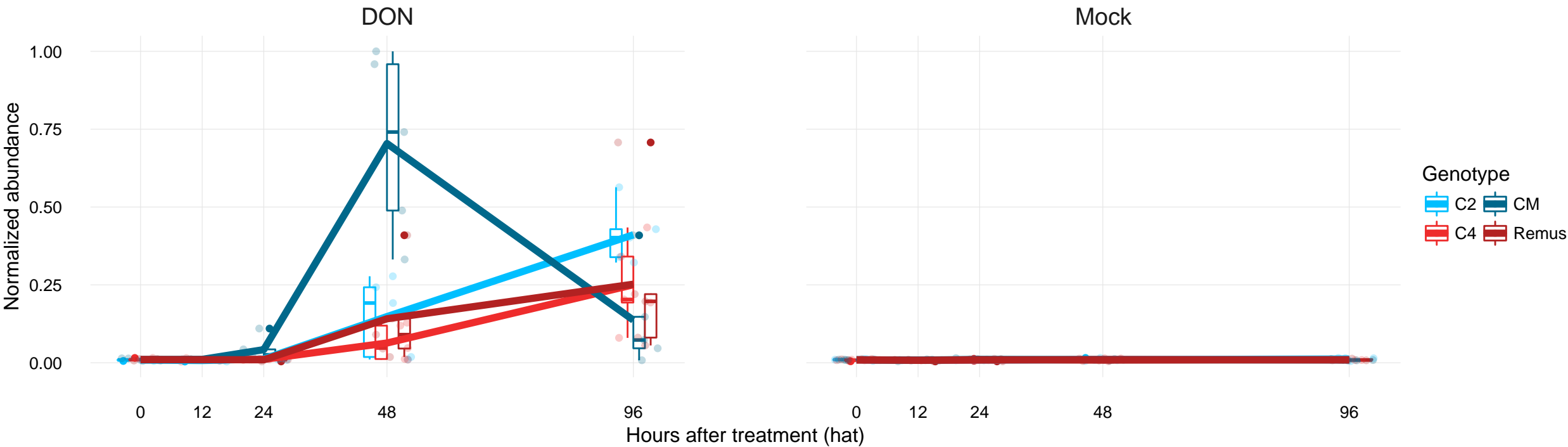
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

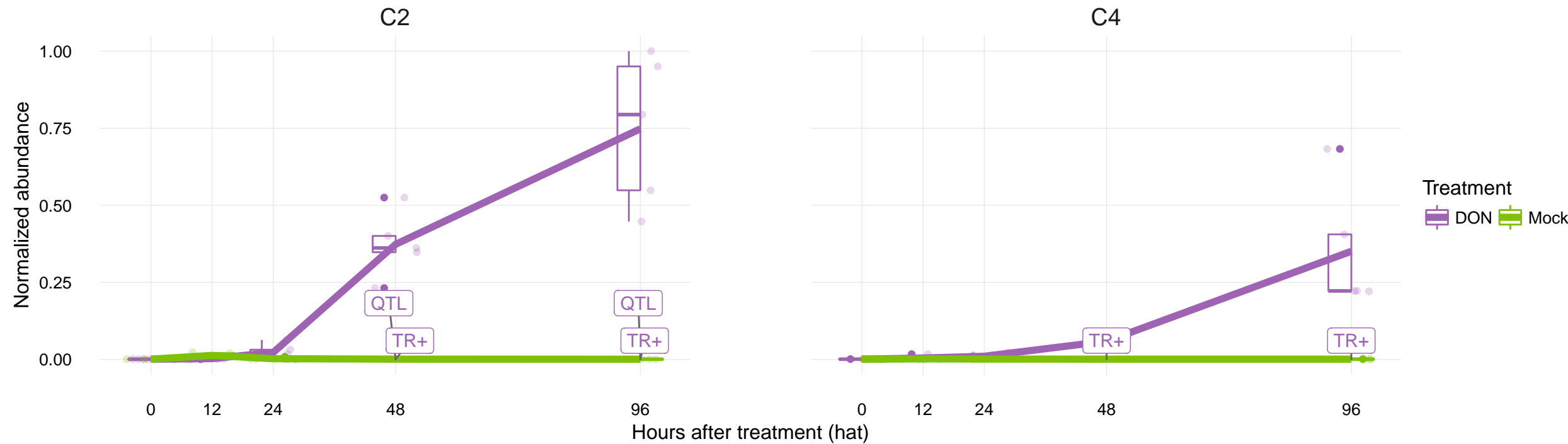


# A.24

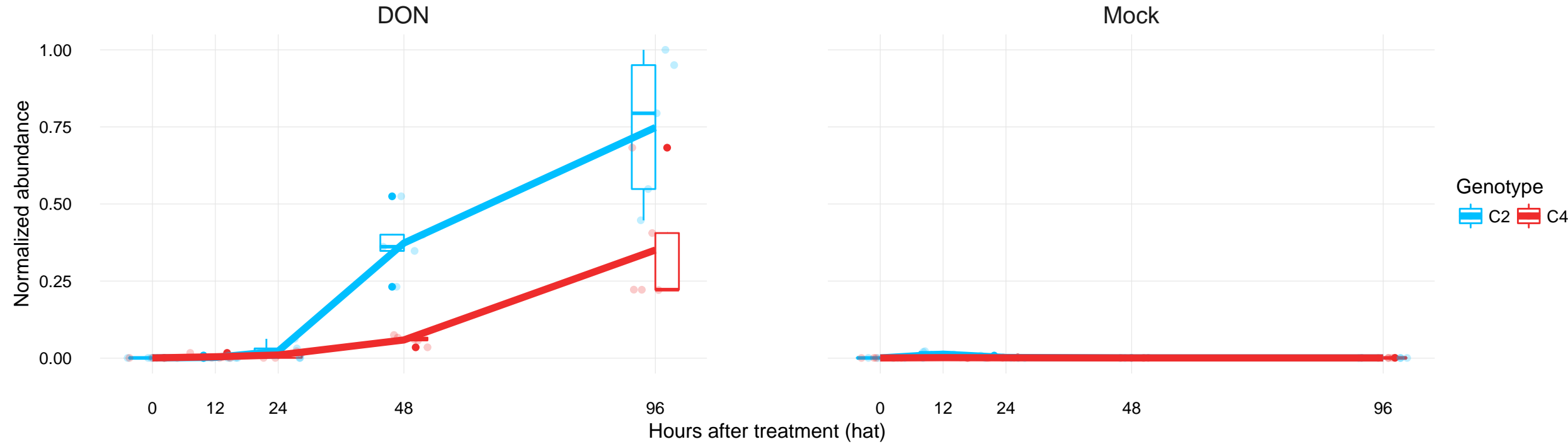
Annotated as others (dipeptide)  
(1 database hit)

MZ	265.1554
RT	8.75 min
Normalization	Directly via KPX samples
Cluster	Cluster 1B
Cn total / Phe	9 / 9

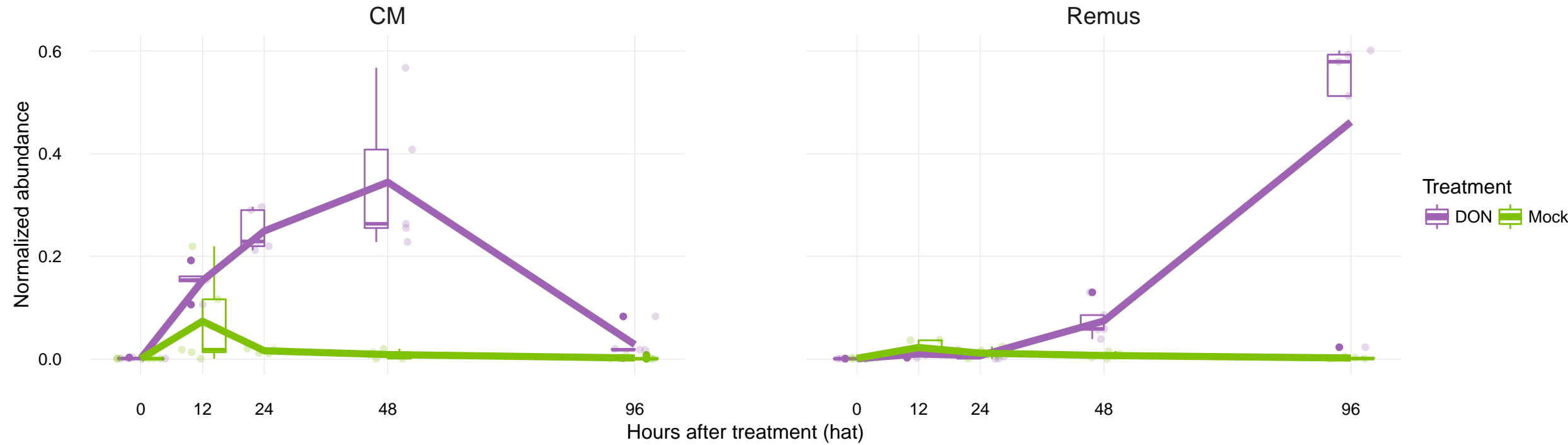
## C2, C4; different treatments



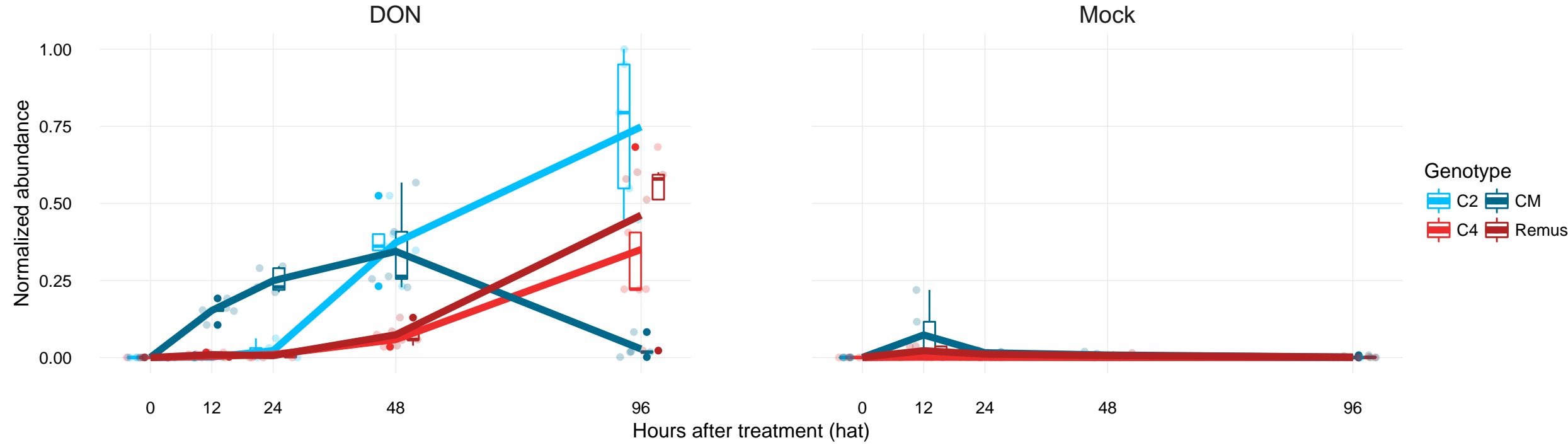
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

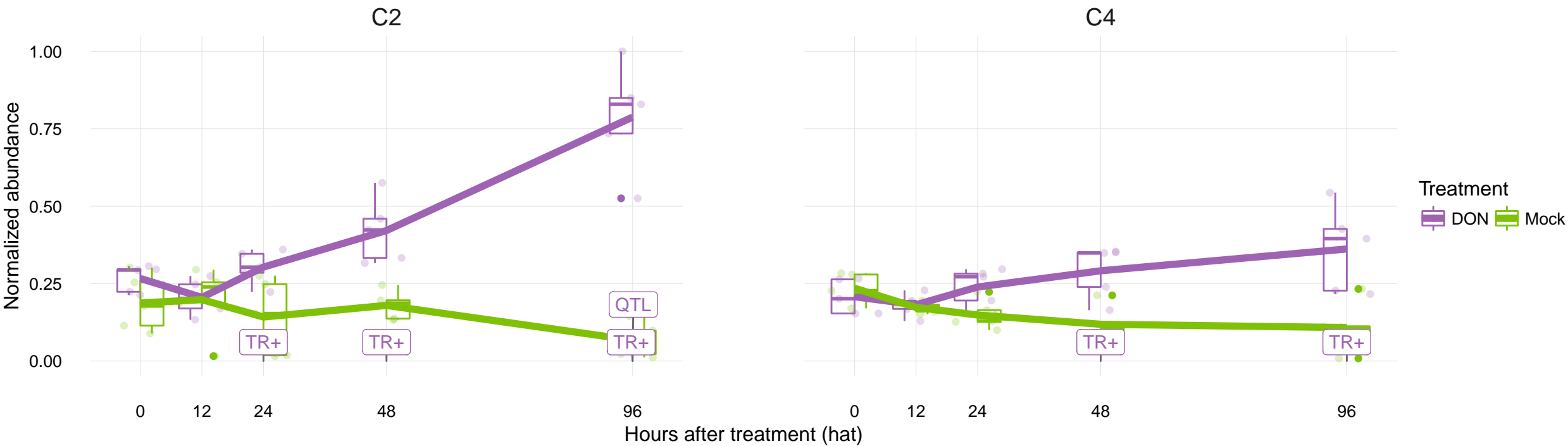


# A.41

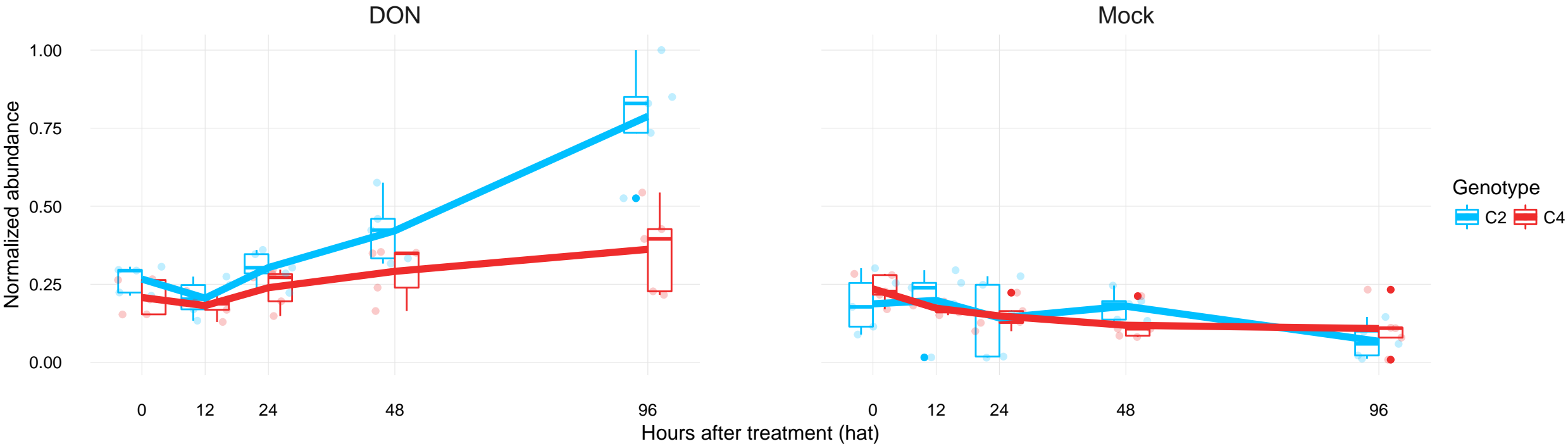
Annotated as HCA derivative  
(1 database hit)

MZ	335.1106
RT	10.43 min
Normalization	Directly via KPX samples
Cluster	Cluster 1B
Cn total / Phe	15 /

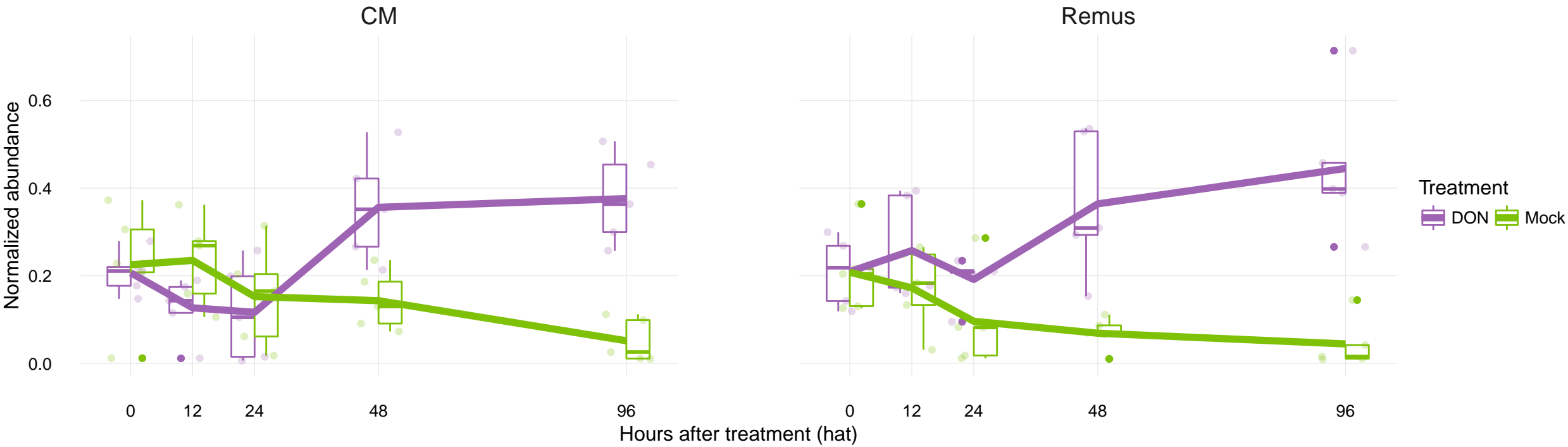
## C2, C4; different treatments



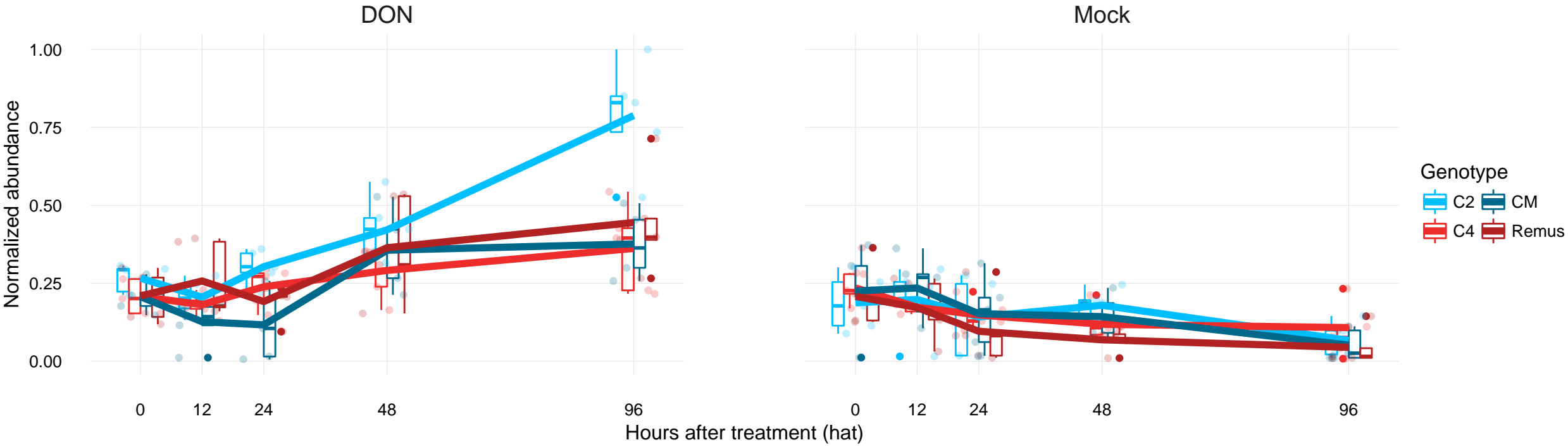
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

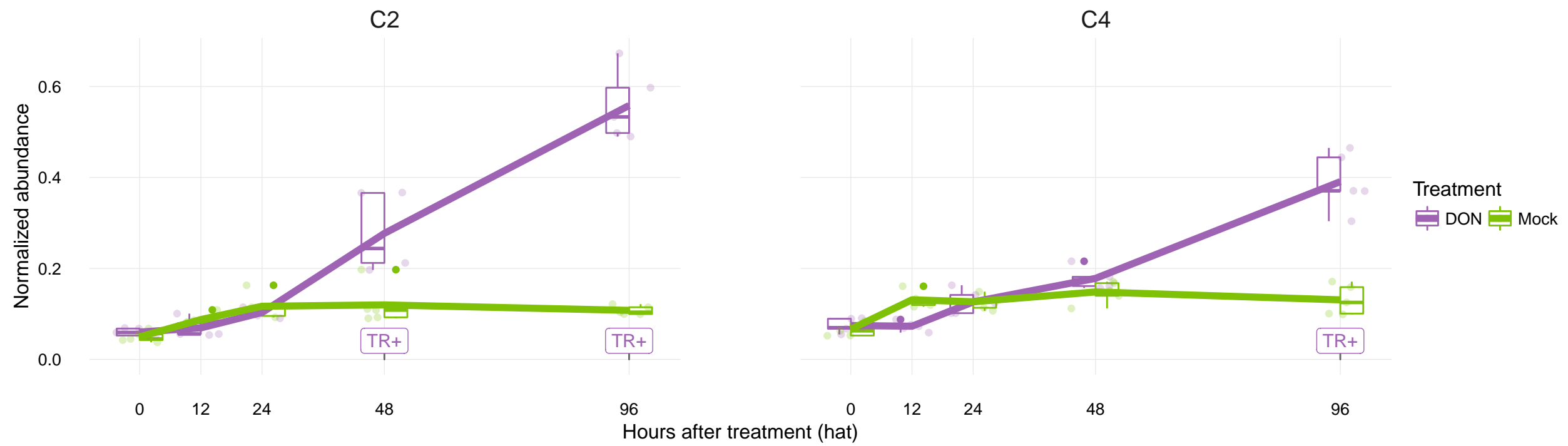


# A.134

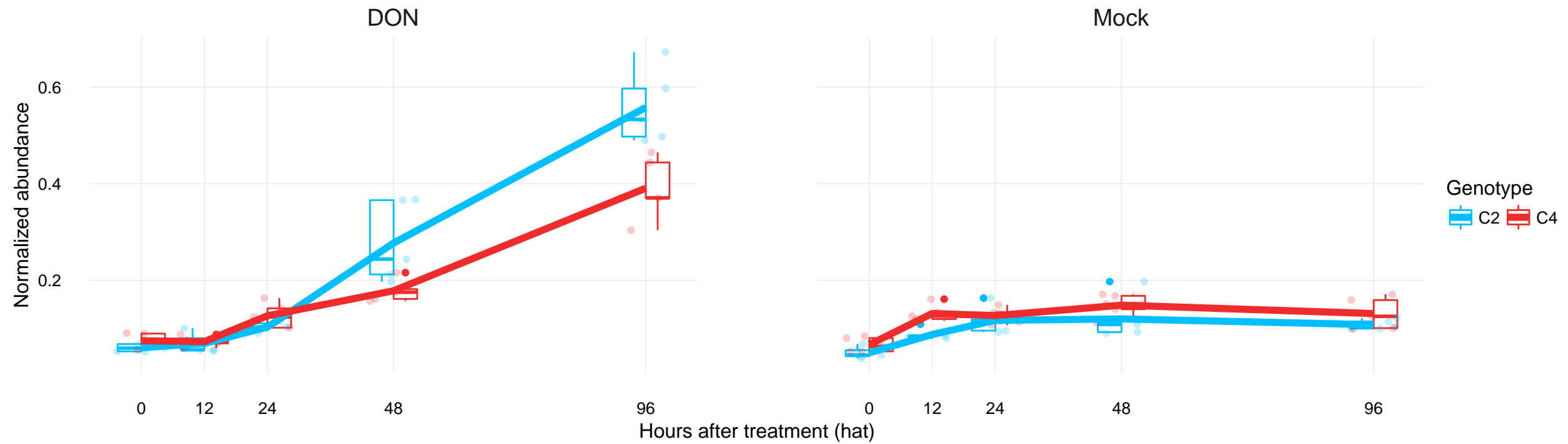
Annotated as HCA derivative  
(1 database hit)

MZ	557.1654
RT	21.51 min
Normalization	Directly via KPX samples
Cluster	Cluster 1B
Cn total / Phe	28 / 18

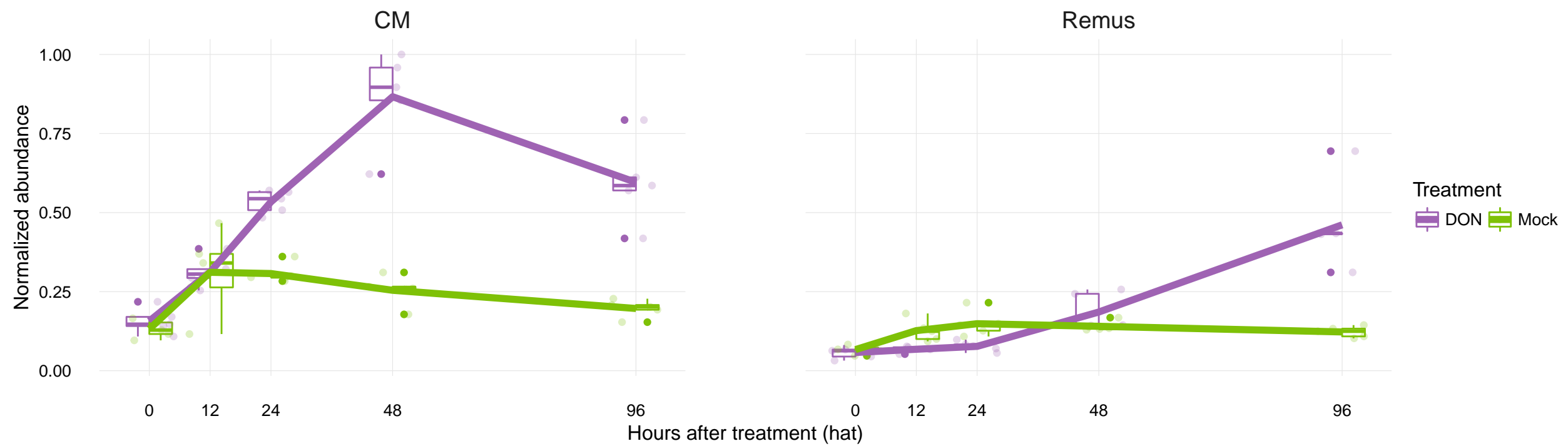
## C2, C4; different treatments



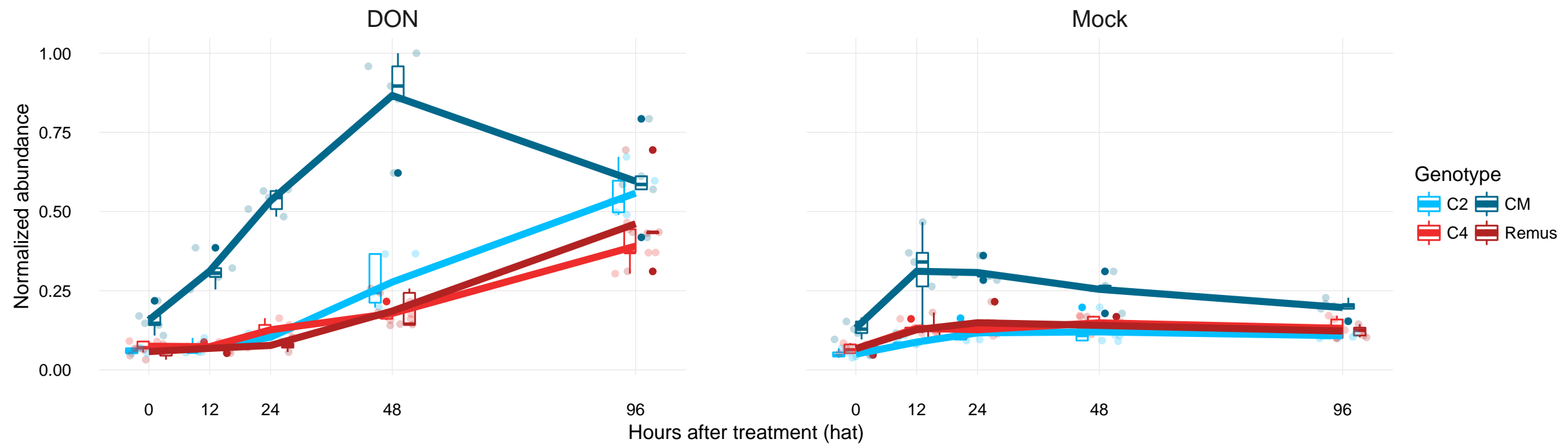
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

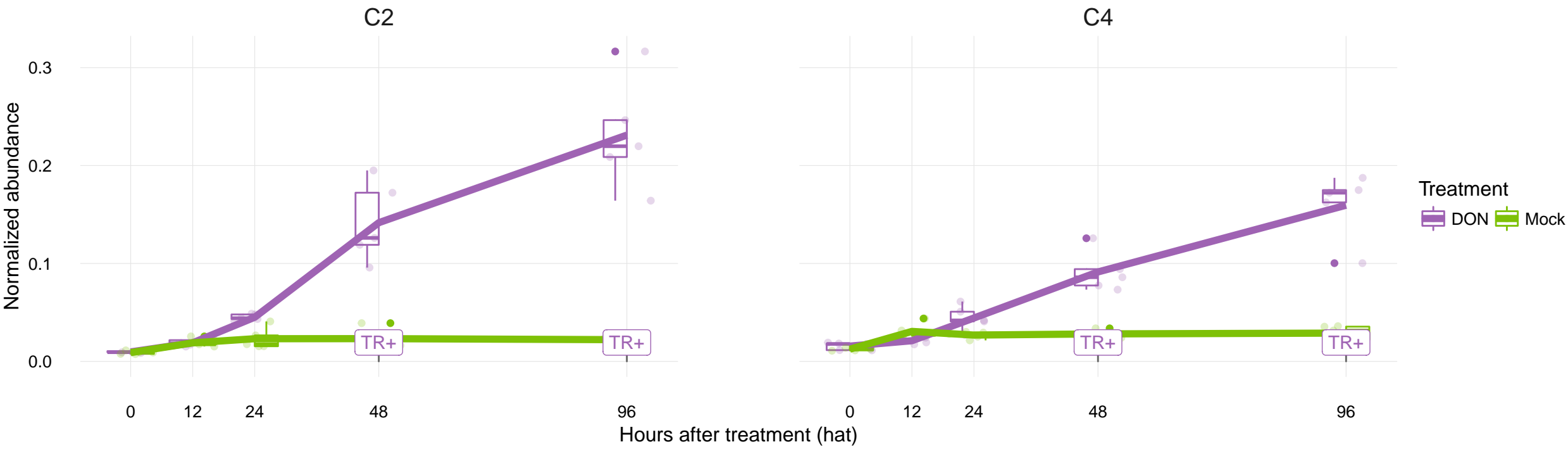


# A.123

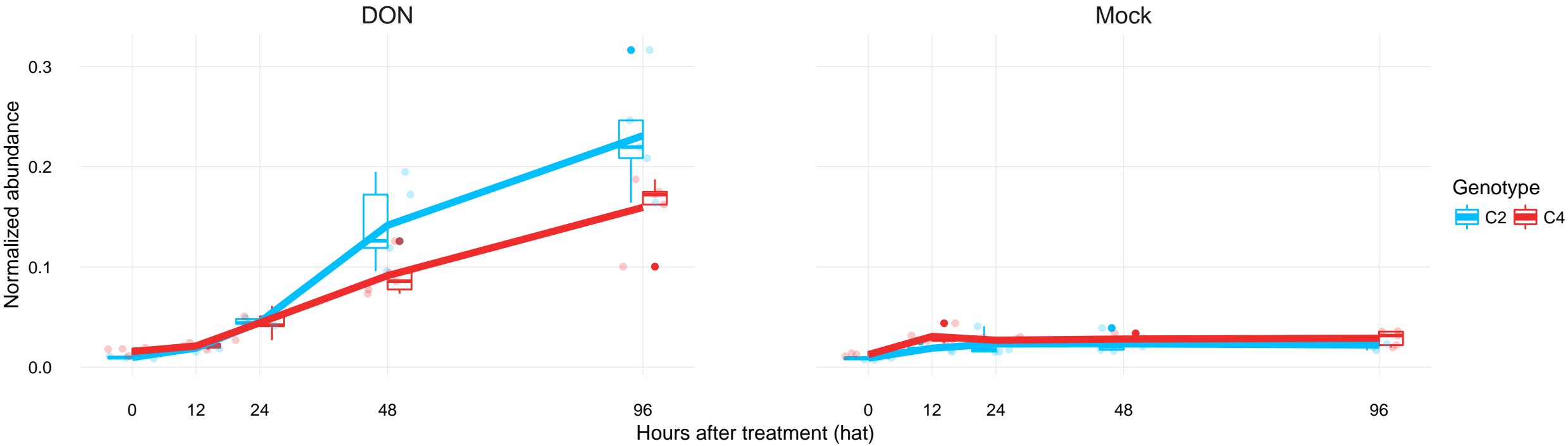
Annotated as Lignan or HCA derivative  
(3 database hits)

MZ	515.1548
RT	19.78 min
Normalization	Directly via KPX samples
Cluster	Cluster 1B
Cn total / Phe	26 / Several: 18,9

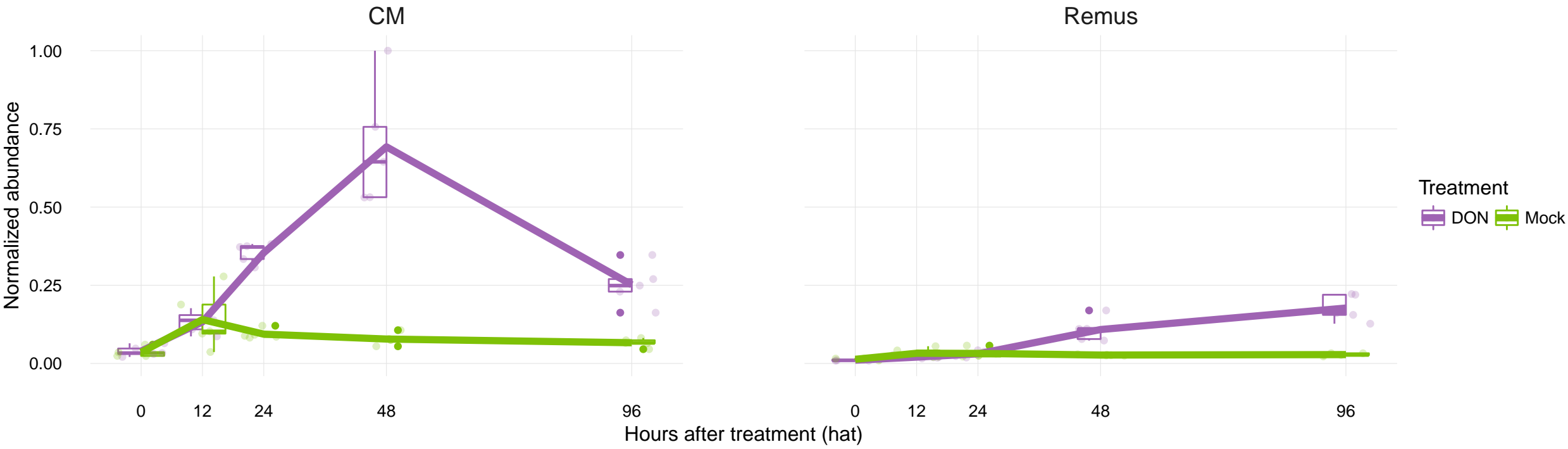
## C2, C4; different treatments



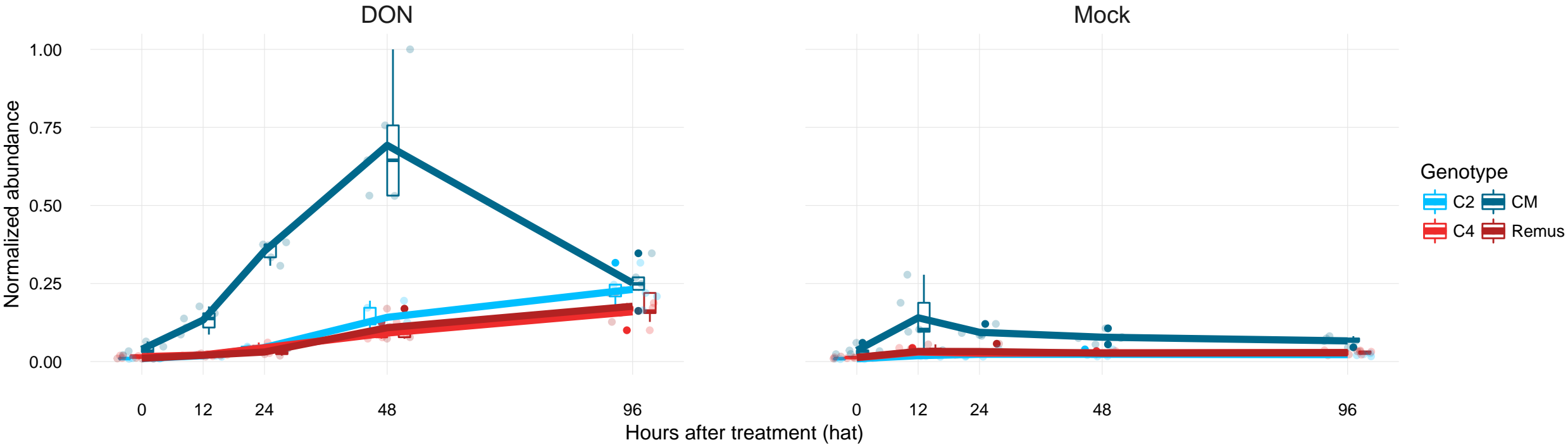
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

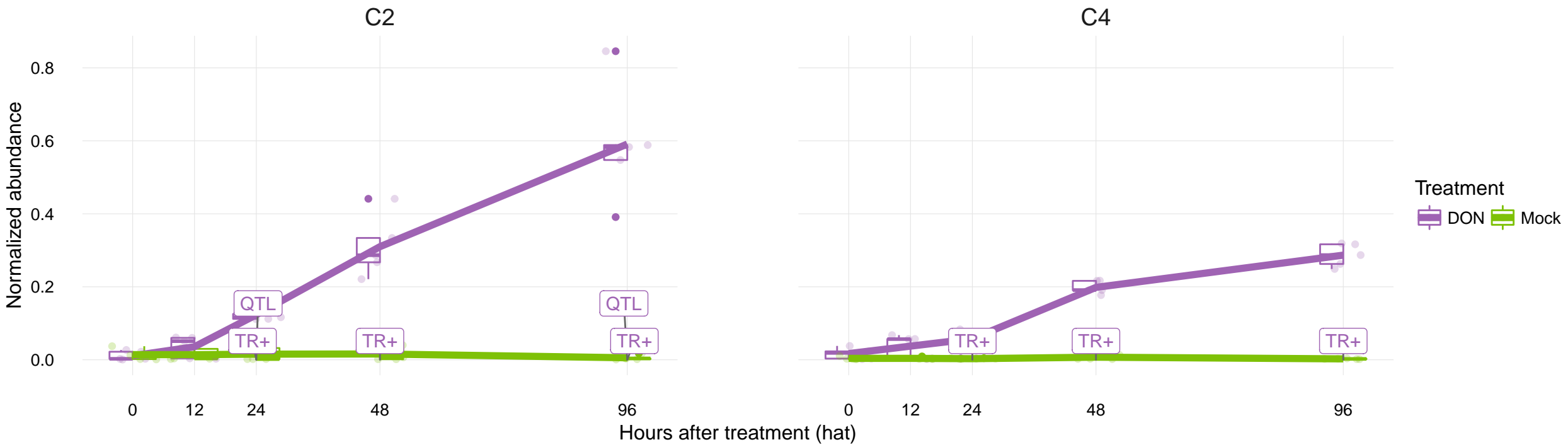


# U.2

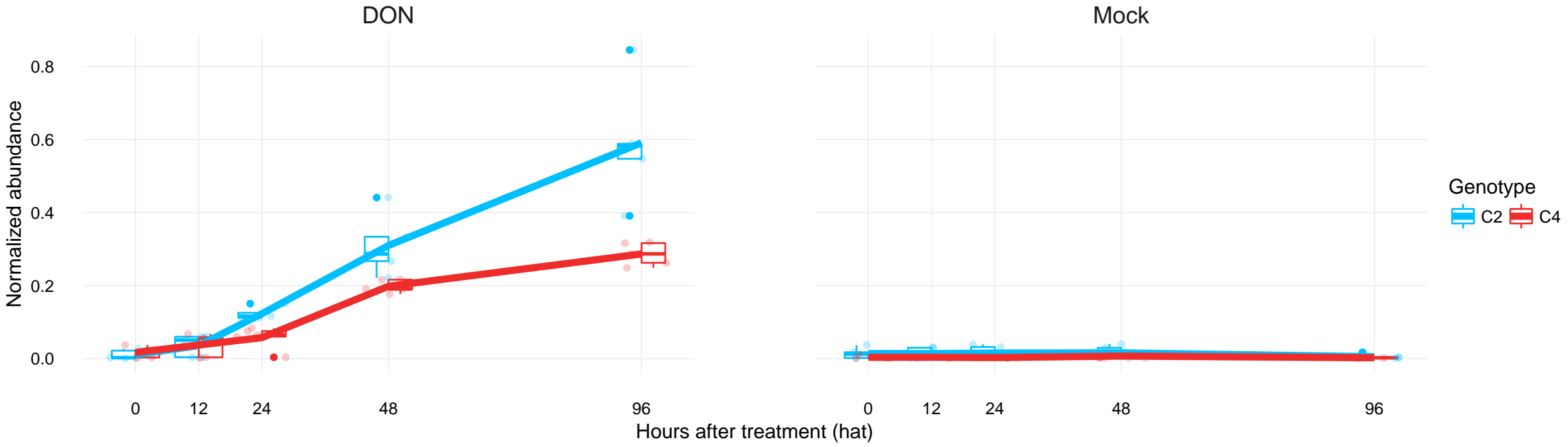
Unknown Phe-derived wheat-metabolite

MZ	163.0754
RT	8.71 min
Normalization	Directly via KPX samples
Cluster	Cluster 1B
Cn total / Phe	10 /

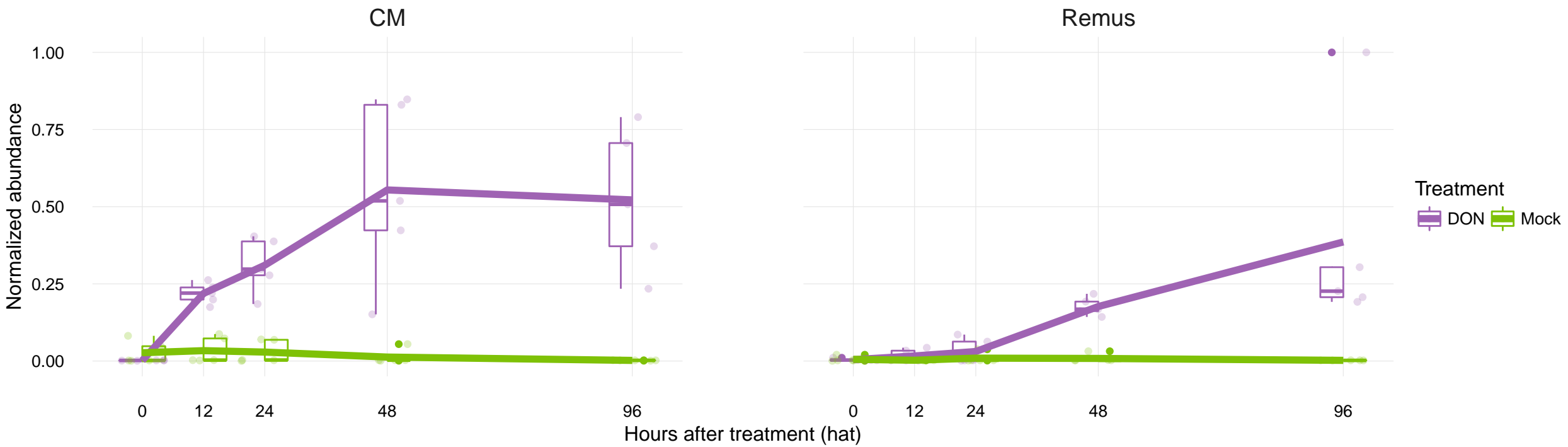
## C2, C4; different treatments



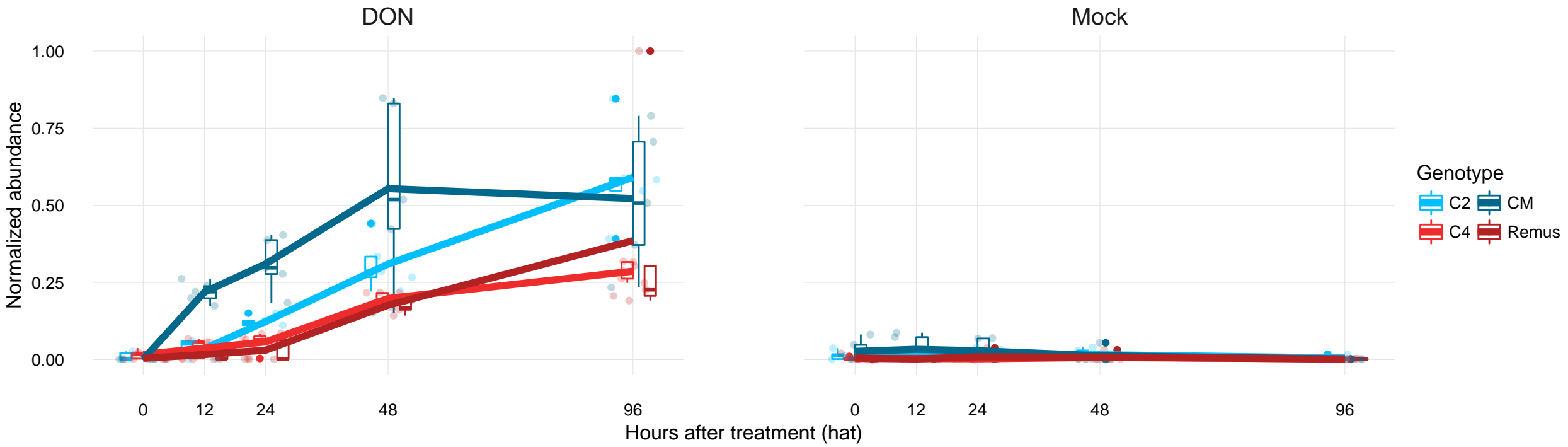
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

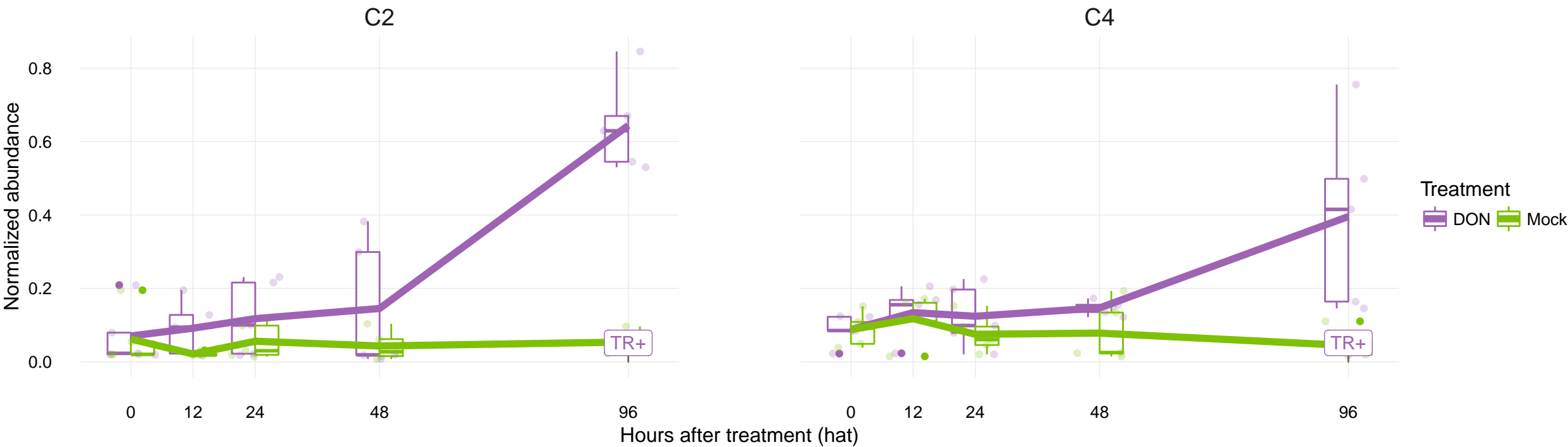


# U.4

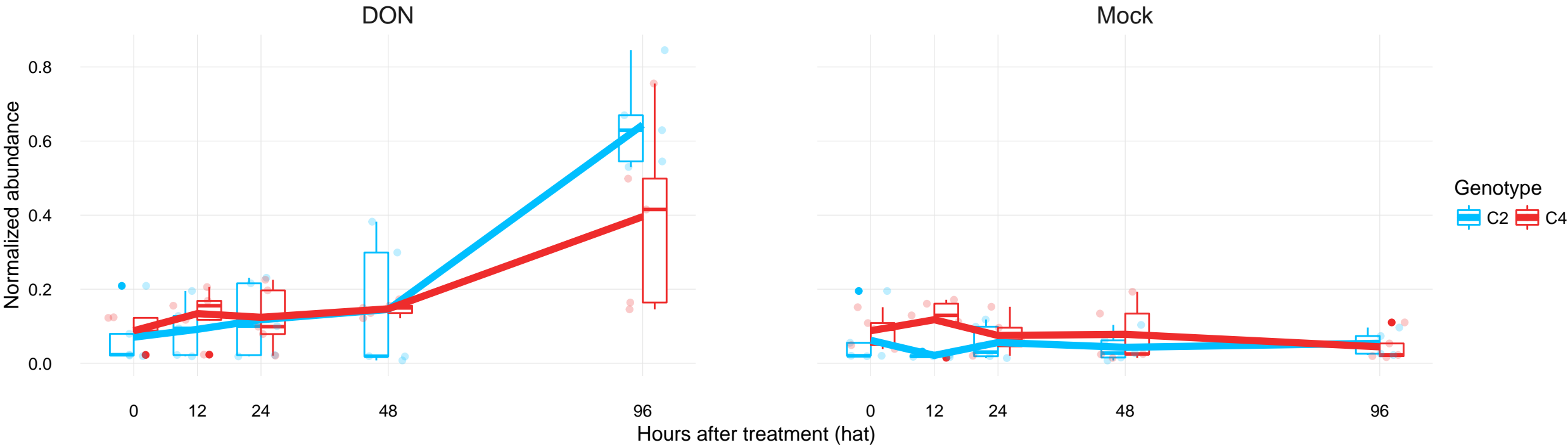
Unknown Phe-derived wheat-metabolite

MZ	163.0753
RT	12.31 min
Normalization	Directly via KPX samples
Cluster	Cluster 1B
Cn total / Phe	10 /

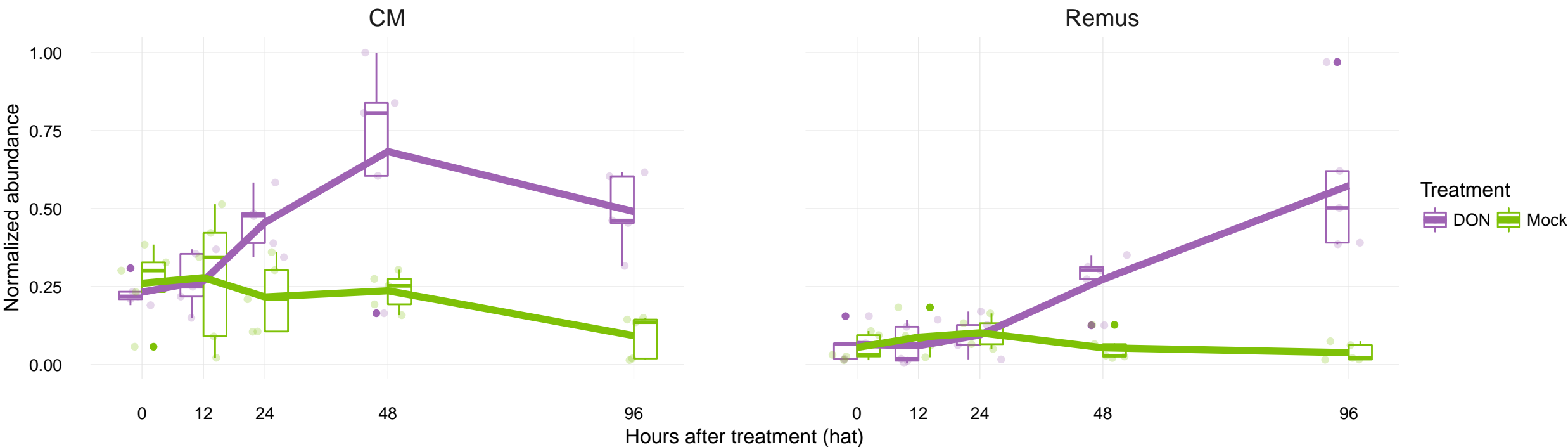
C2, C4; different treatments



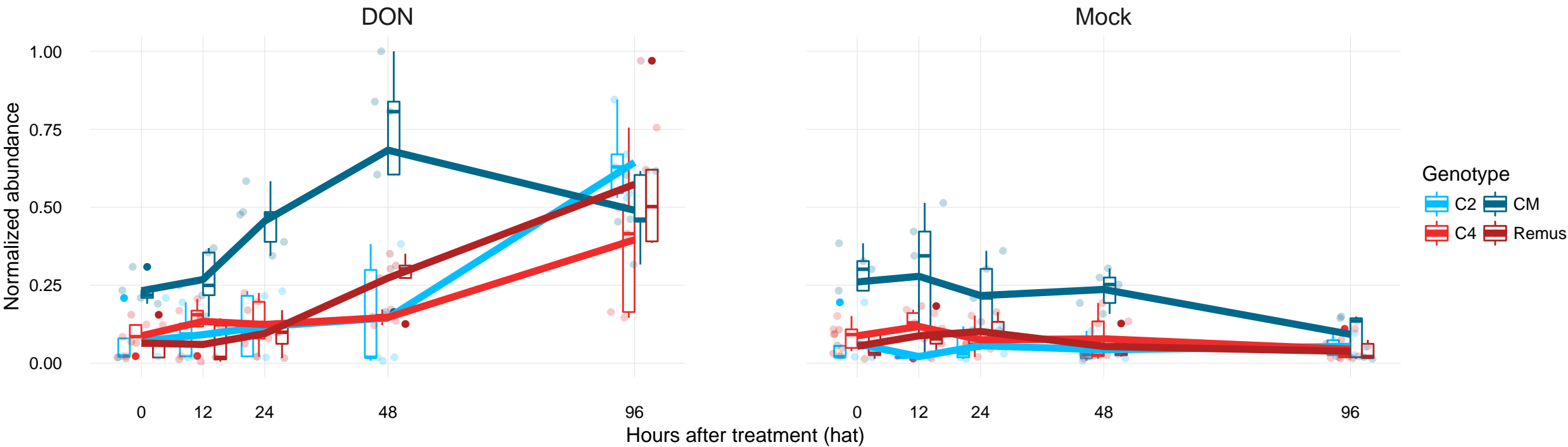
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes



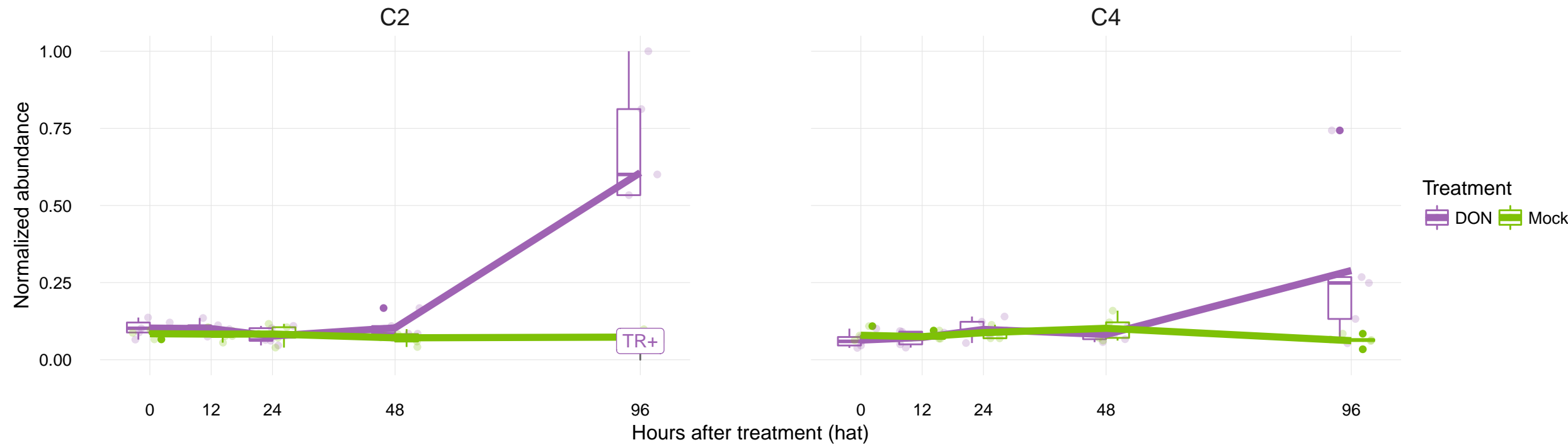


# A.7

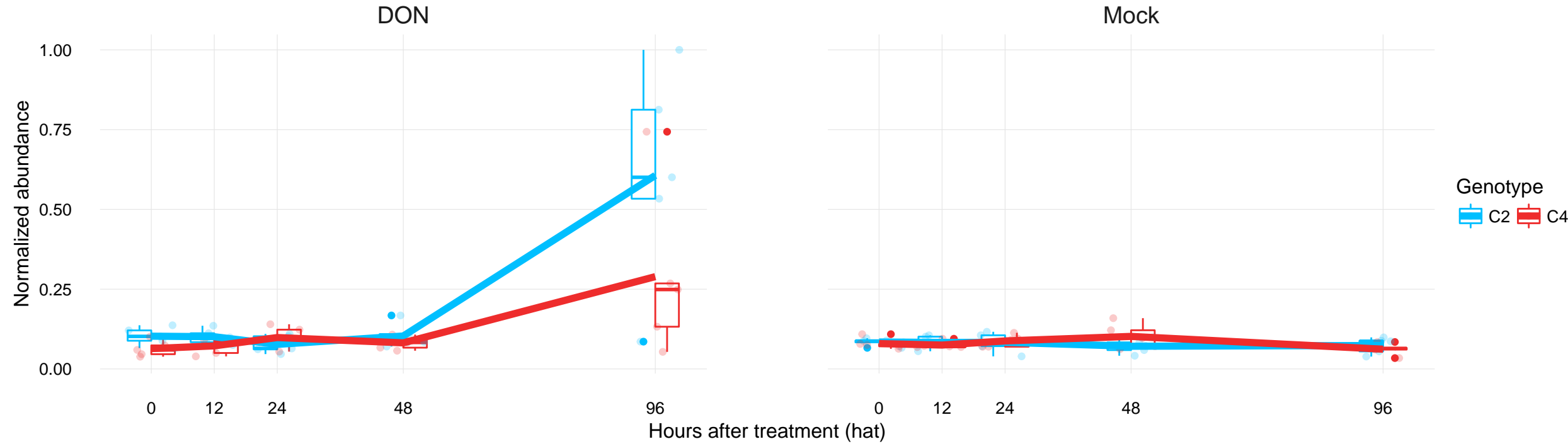
Annotated as HCAA  
(2 database hits)

MZ	251.1392
RT	5.06 min
Normalization	Not normalized
Cluster	Cluster 1A
Cn total / Phe	13 /

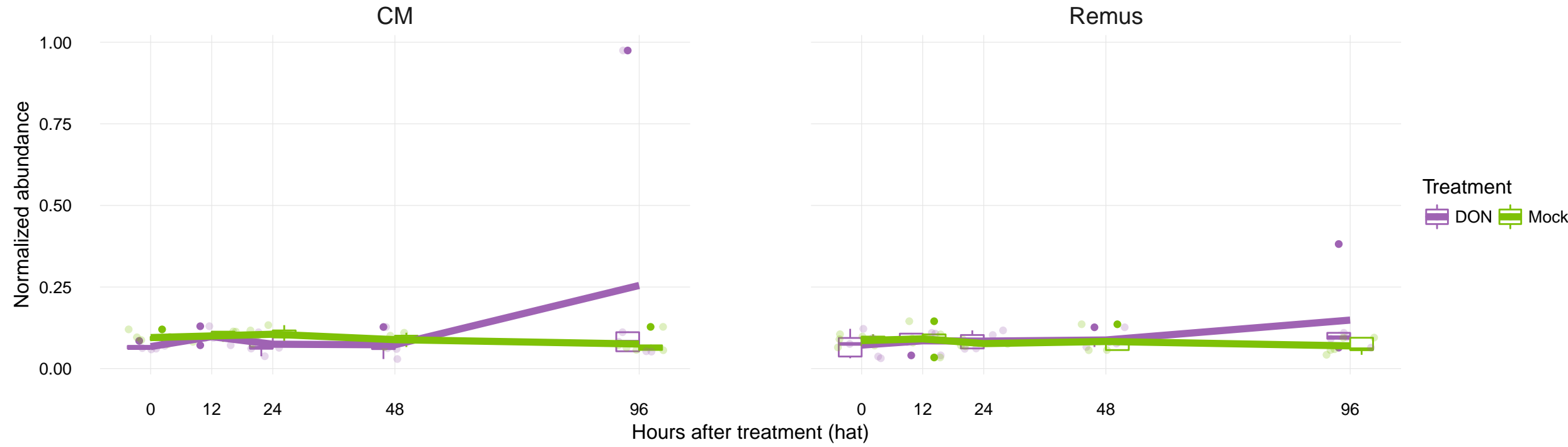
## C2, C4; different treatments



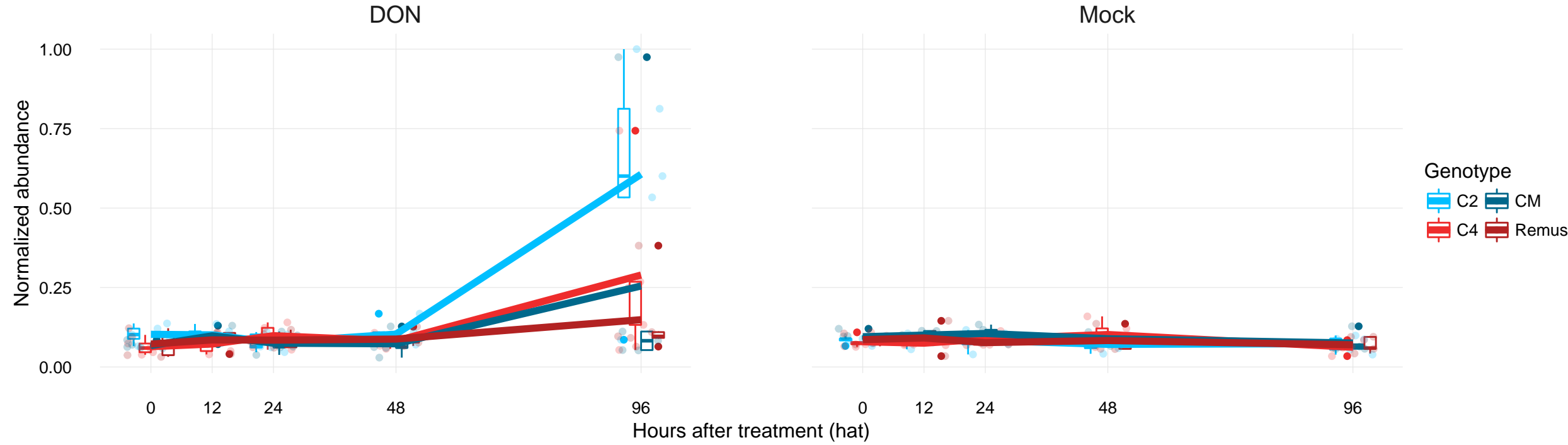
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

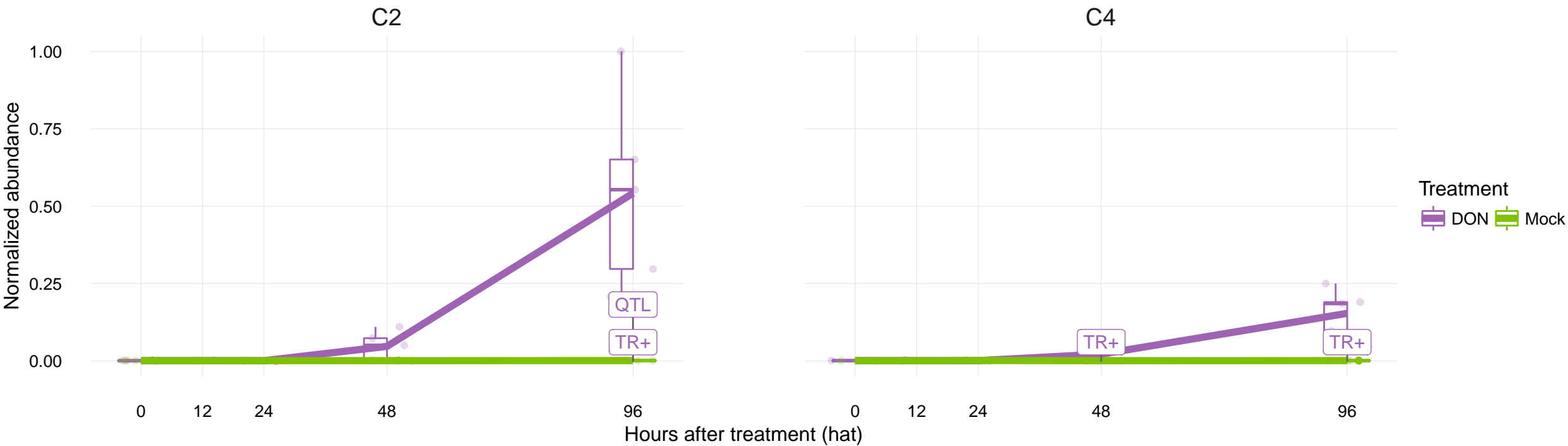


# FerSer

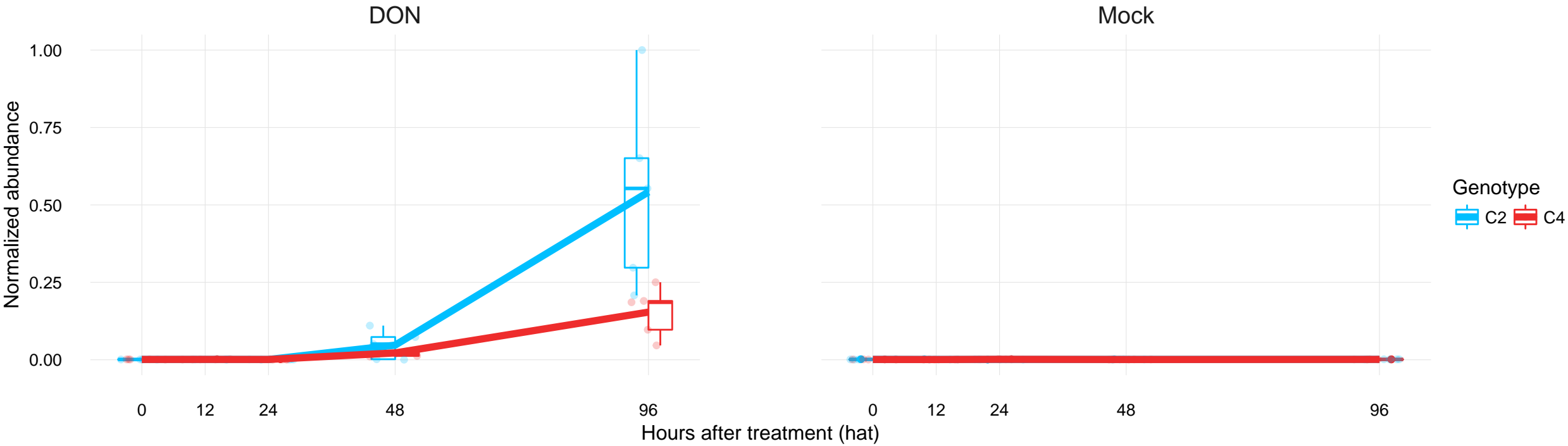
Identified metabolite (level 1)

MZ	353.1498
RT	16.43 min
Normalization	Directly via KPX samples
Cluster	Cluster 1A
Cn total / Phe	20 / 9

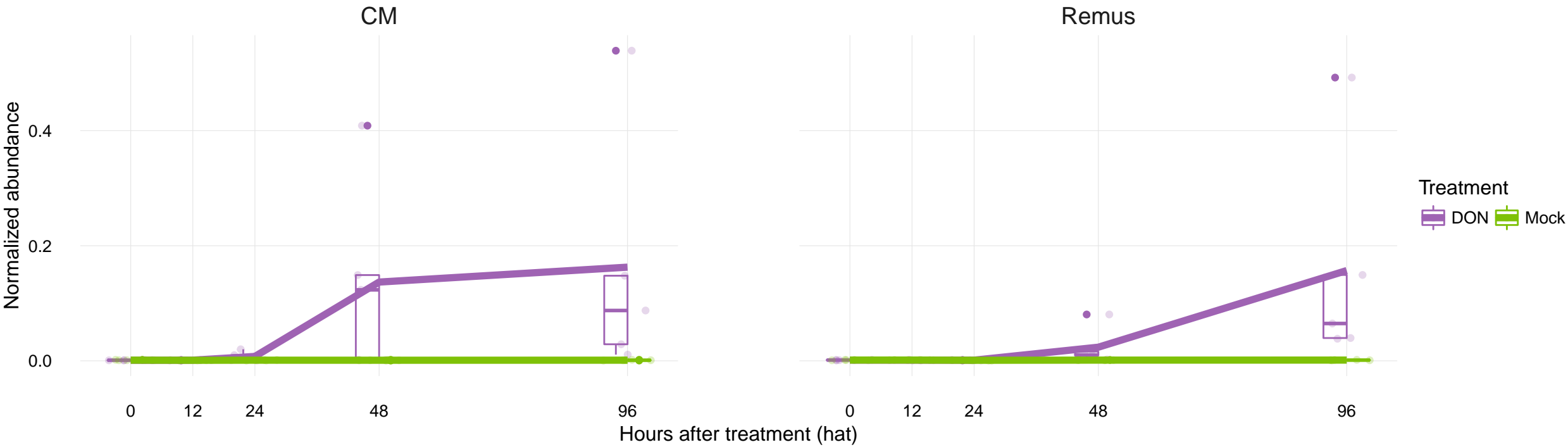
## C2, C4; different treatments



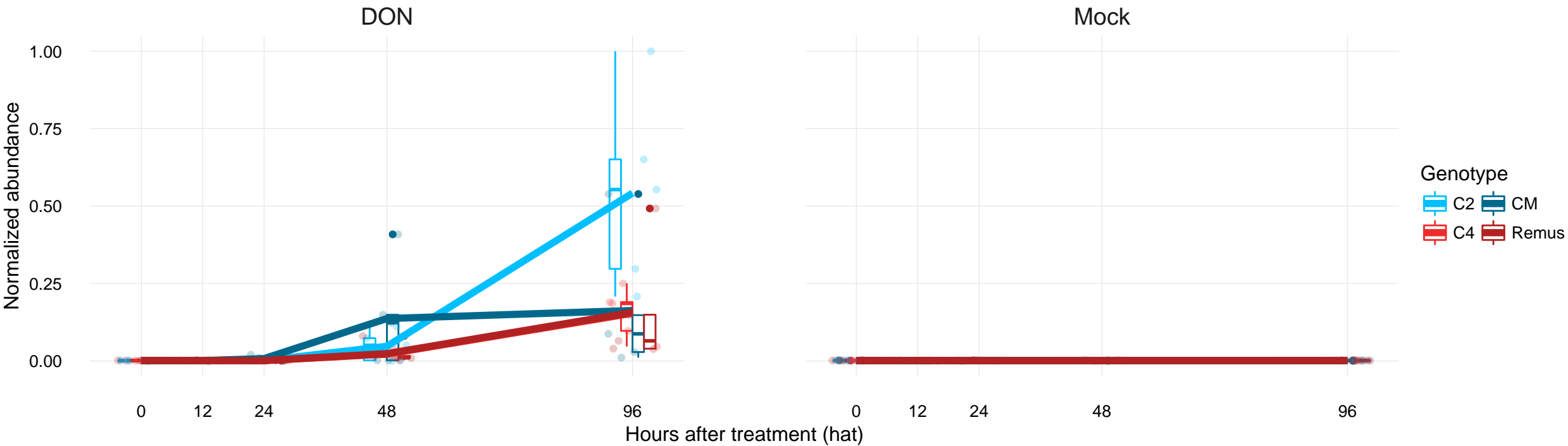
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

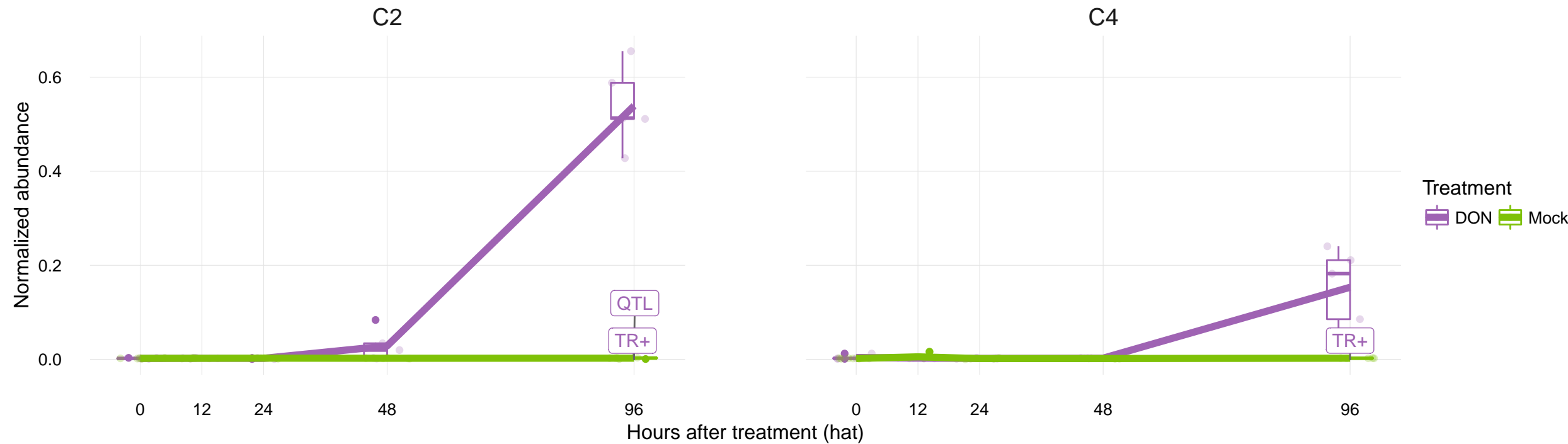


# A.118

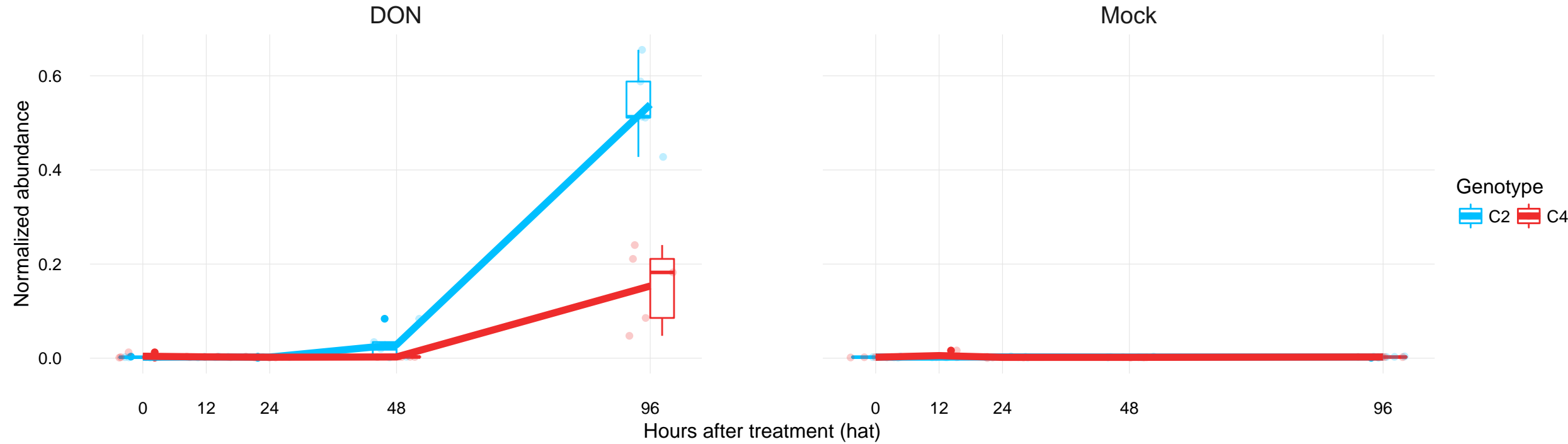
Annotated as HCAA (diHCAA)  
(4 database hits)

MZ	441.202
RT	18.66 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 1A
Cn total / Phe	24 / 18

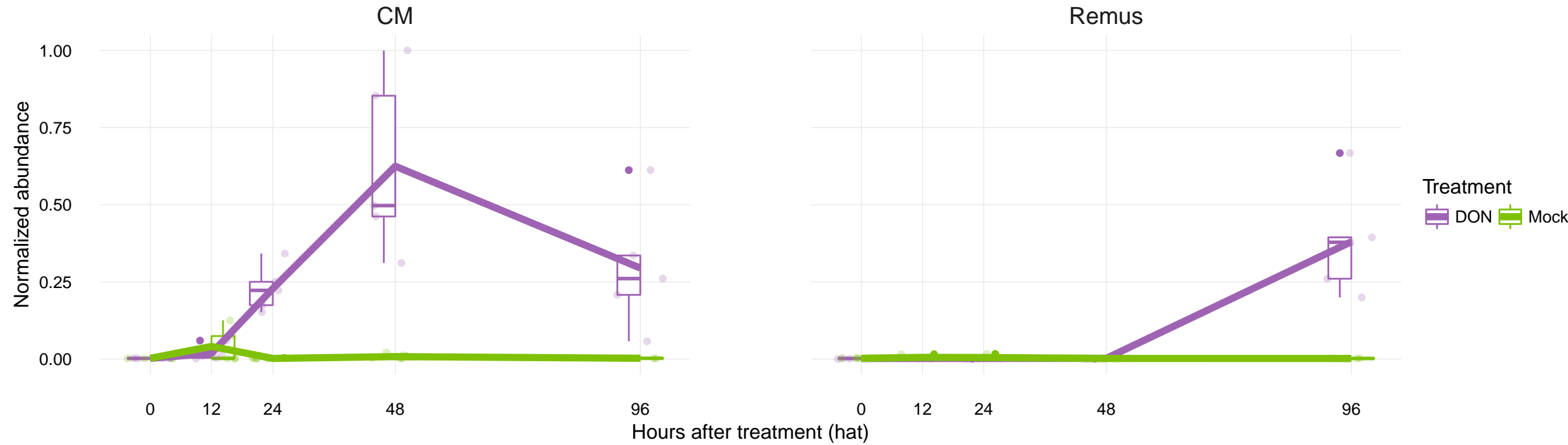
## C2, C4; different treatments



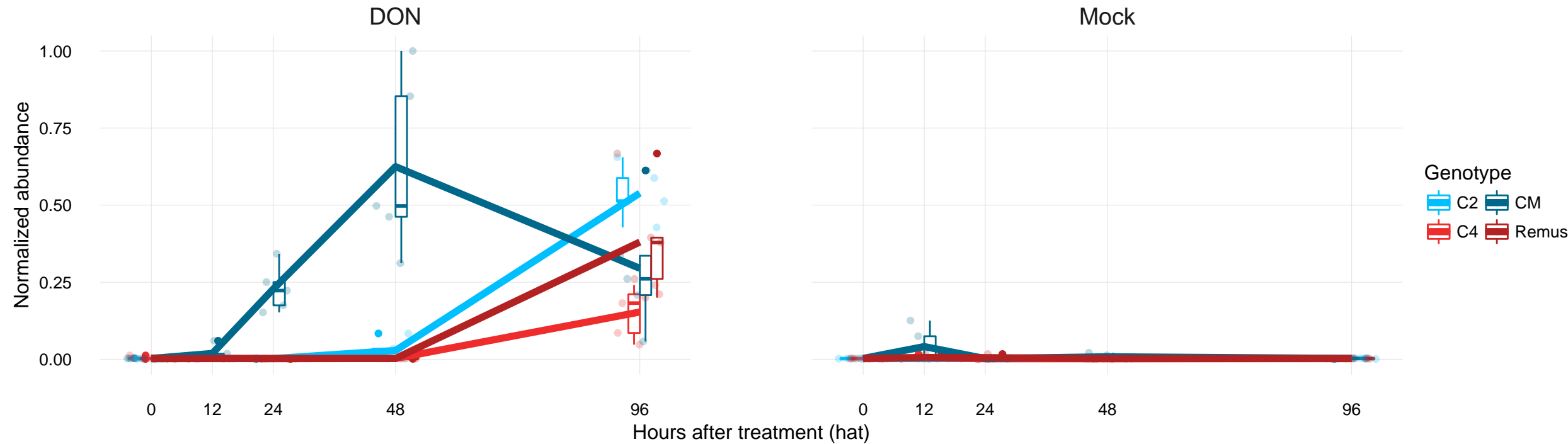
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

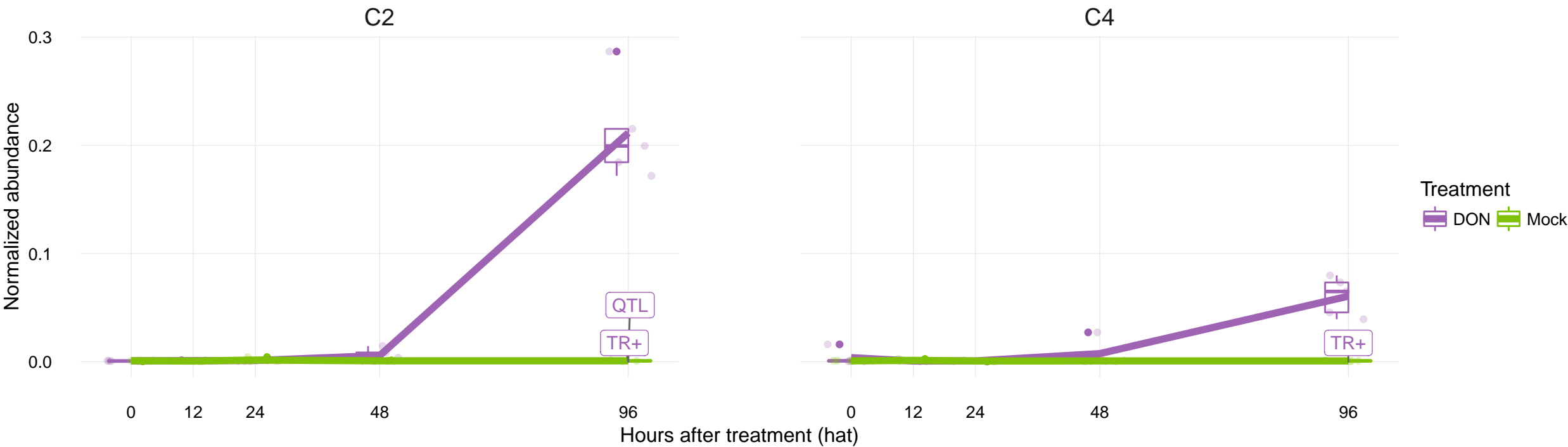


# U.11

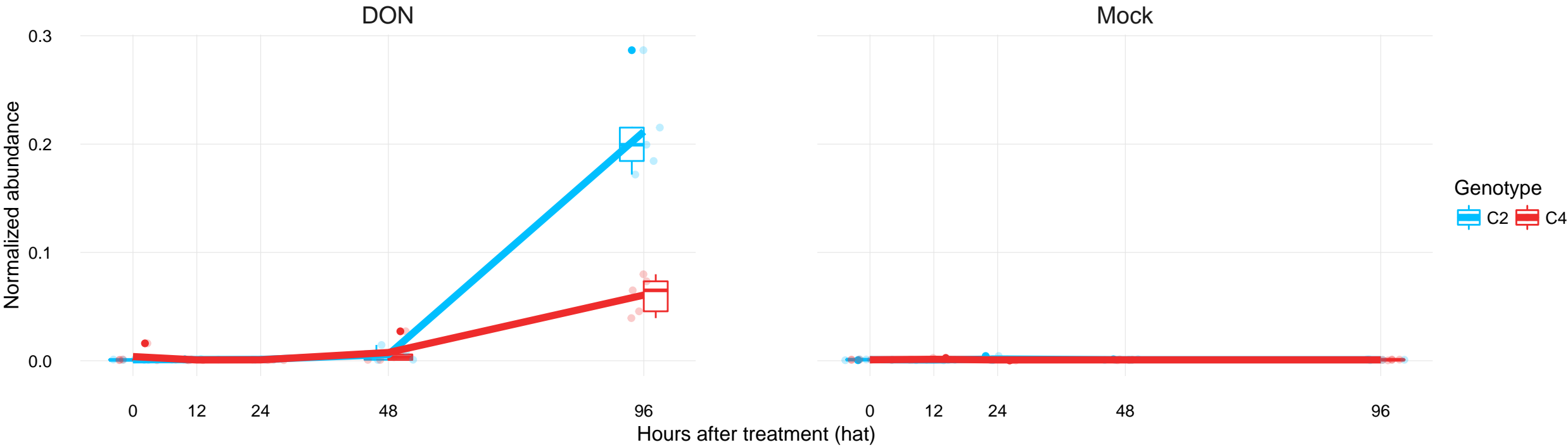
Unknown Phe-derived wheat-metabolite

MZ	427.1865
RT	16.92 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 1A
Cn total / Phe	28 / 9

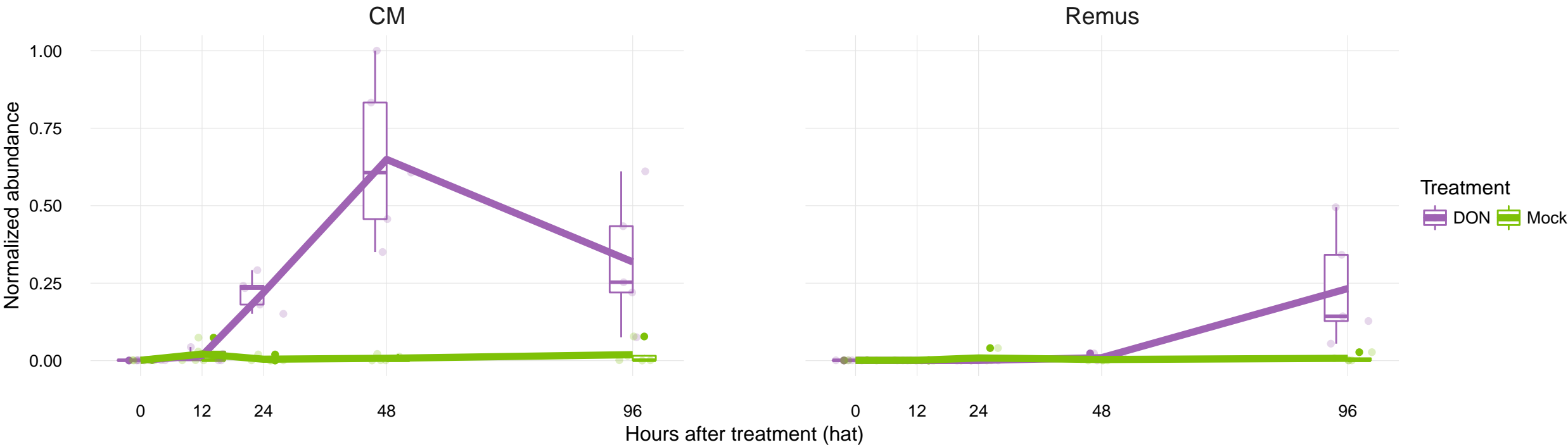
## C2, C4; different treatments



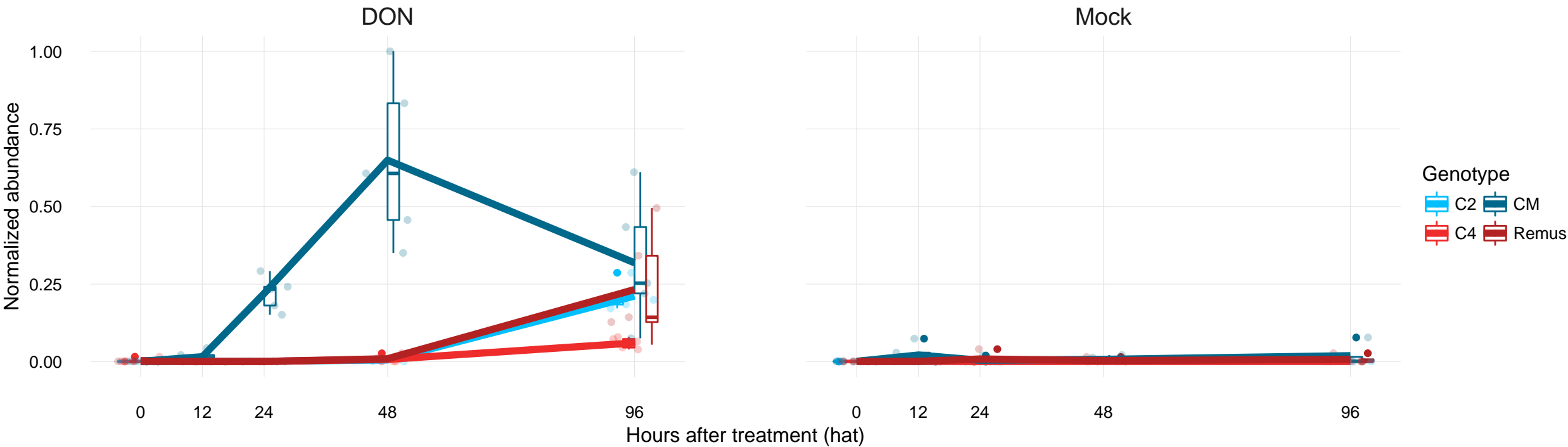
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

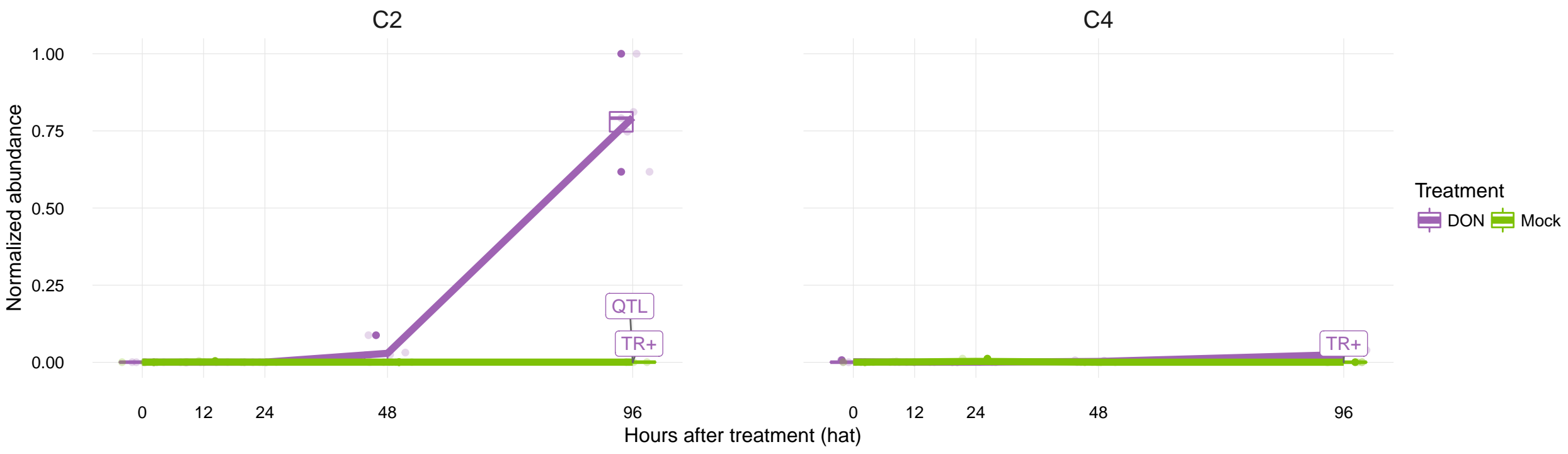


# A.116

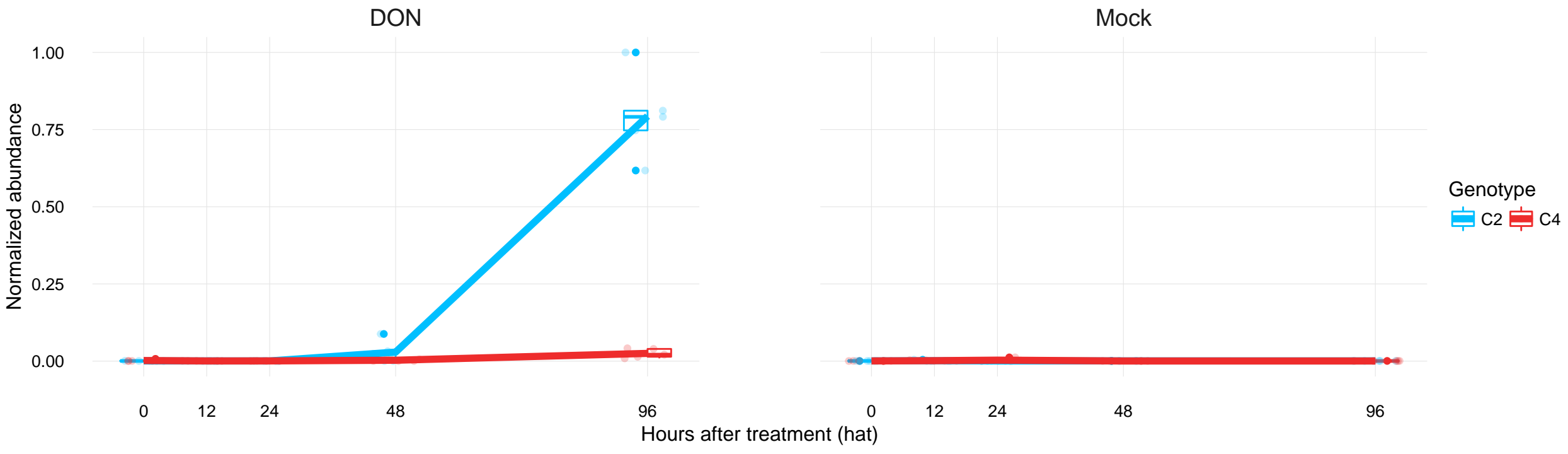
Annotated as HCAA (diHCAA)  
(2 database hits)

MZ	411.1916
RT	18.49 min
Normalization	Directly via KPX samples
Cluster	Cluster 1A
Cn total / Phe	23 / 18

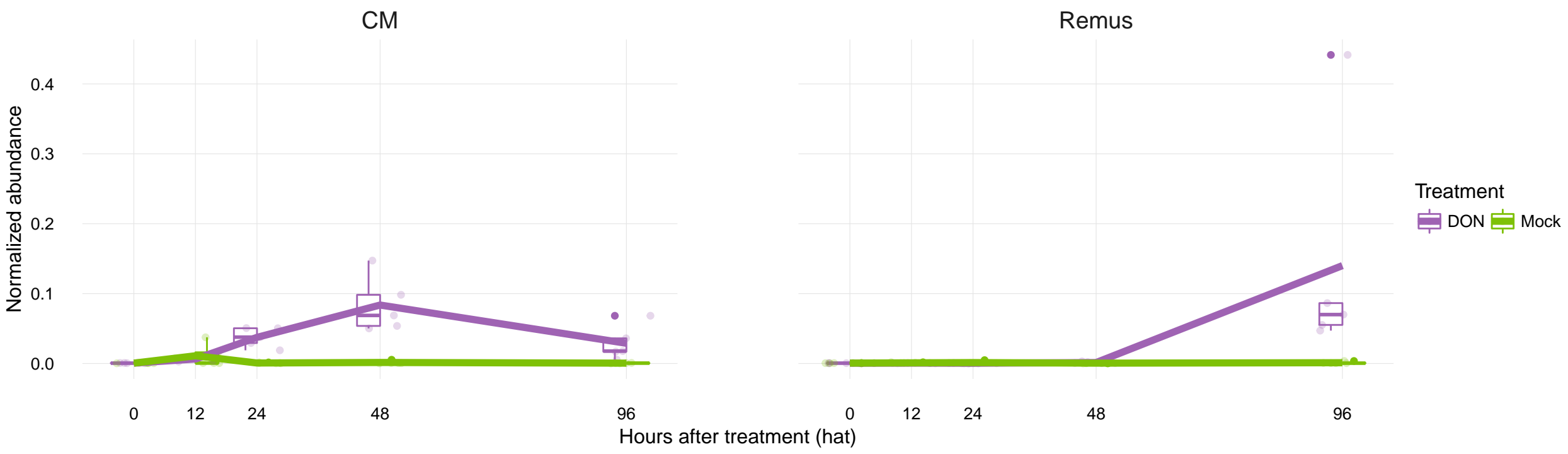
## C2, C4; different treatments



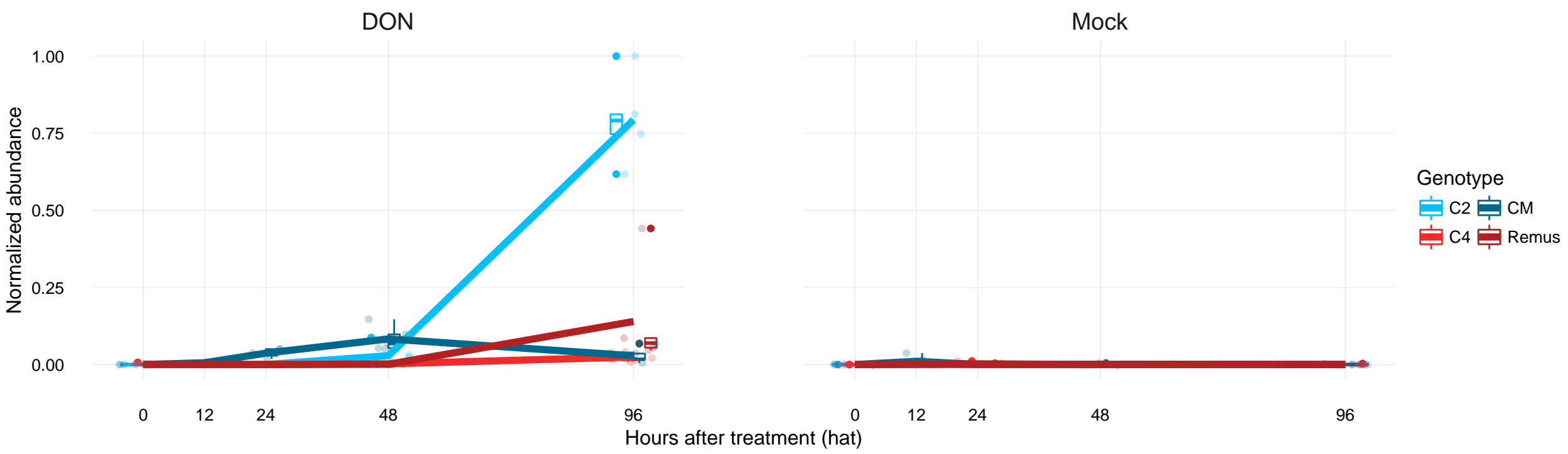
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

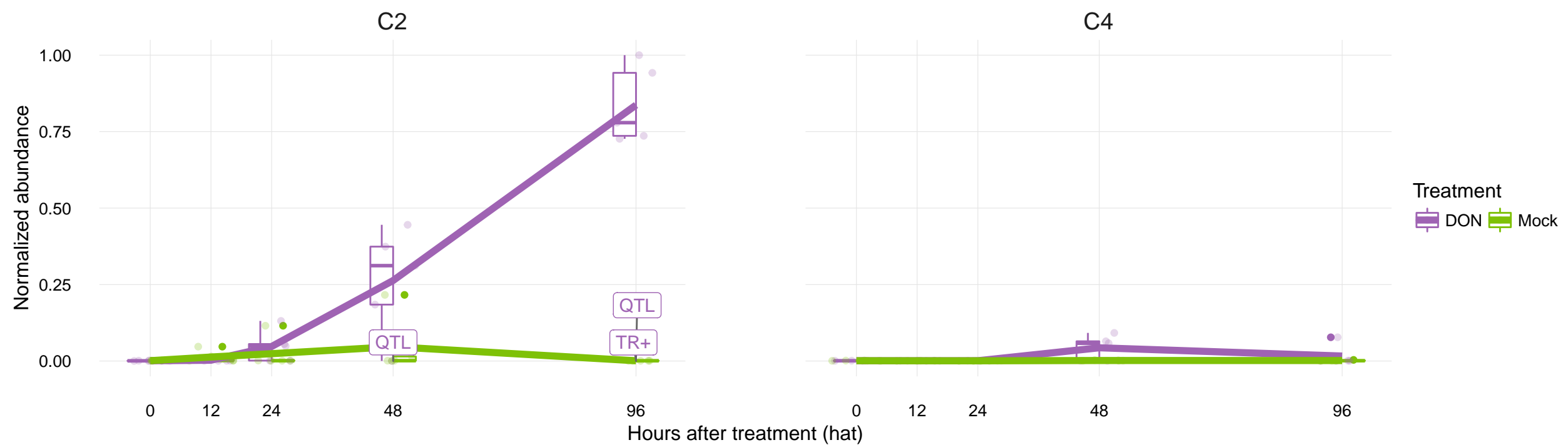


# A.16

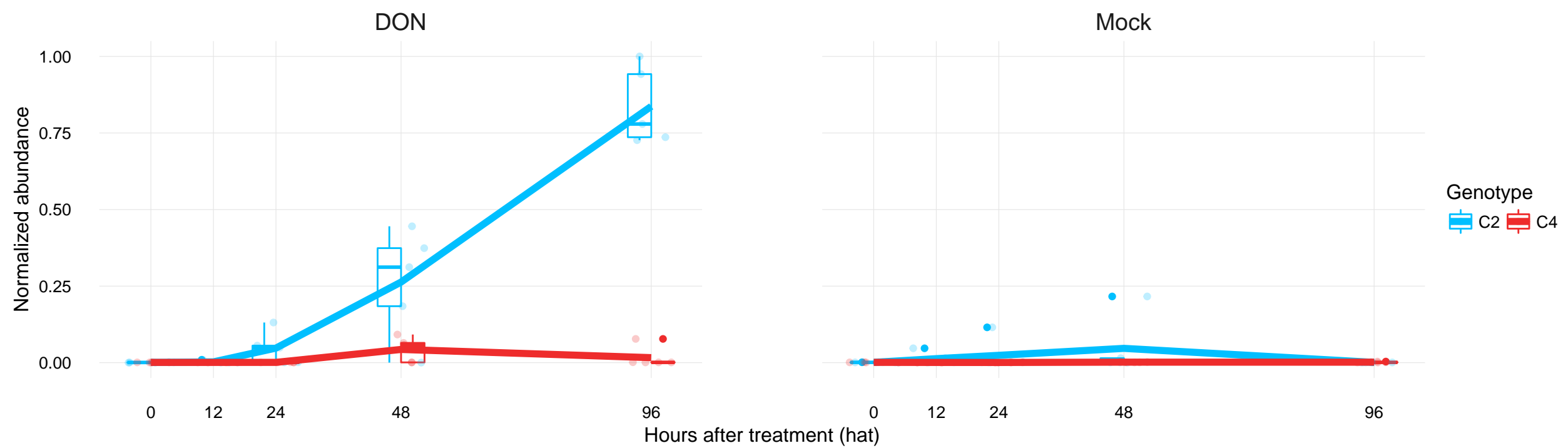
Annotated as HCAA  
(2 database hits)

MZ	251.1393
RT	6.95 min
Normalization	Directly via KPX samples
Cluster	Cluster 1A
Cn total / Phe	13 / 9

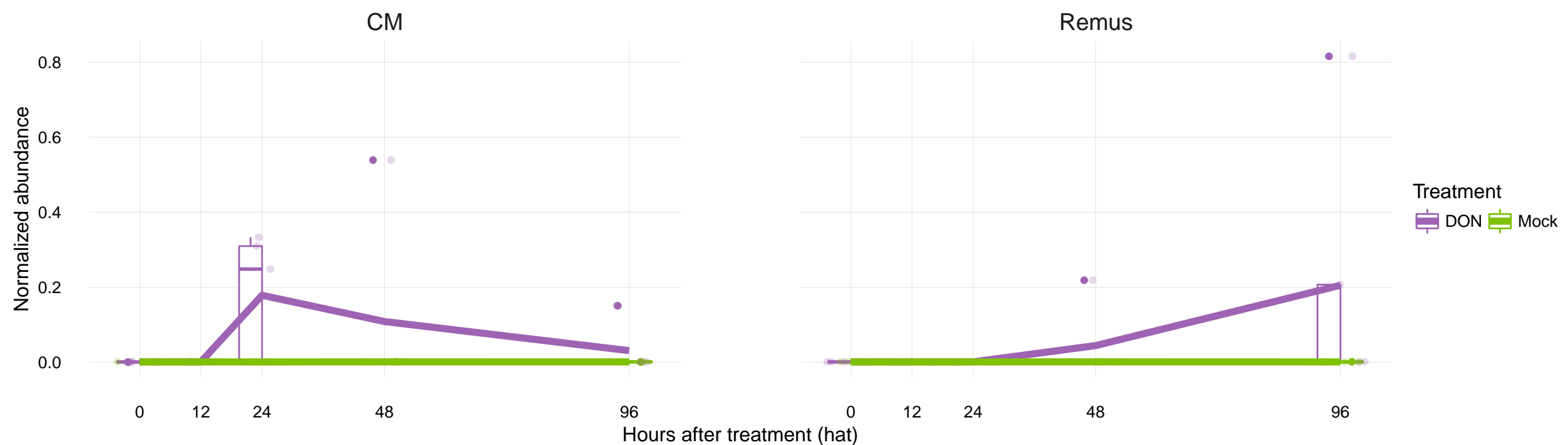
## C2, C4; different treatments



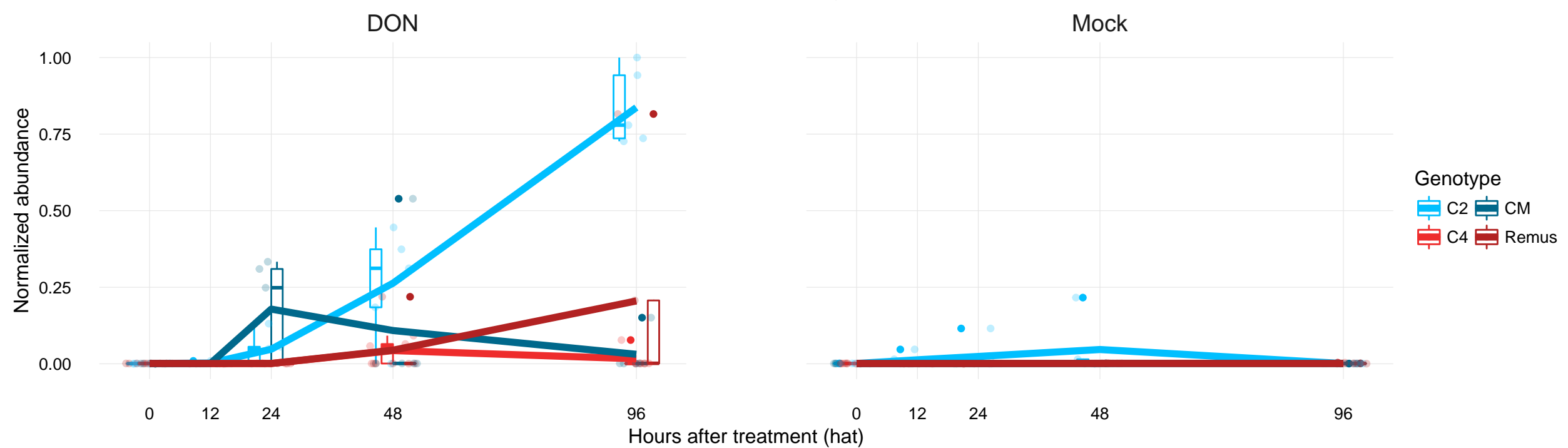
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

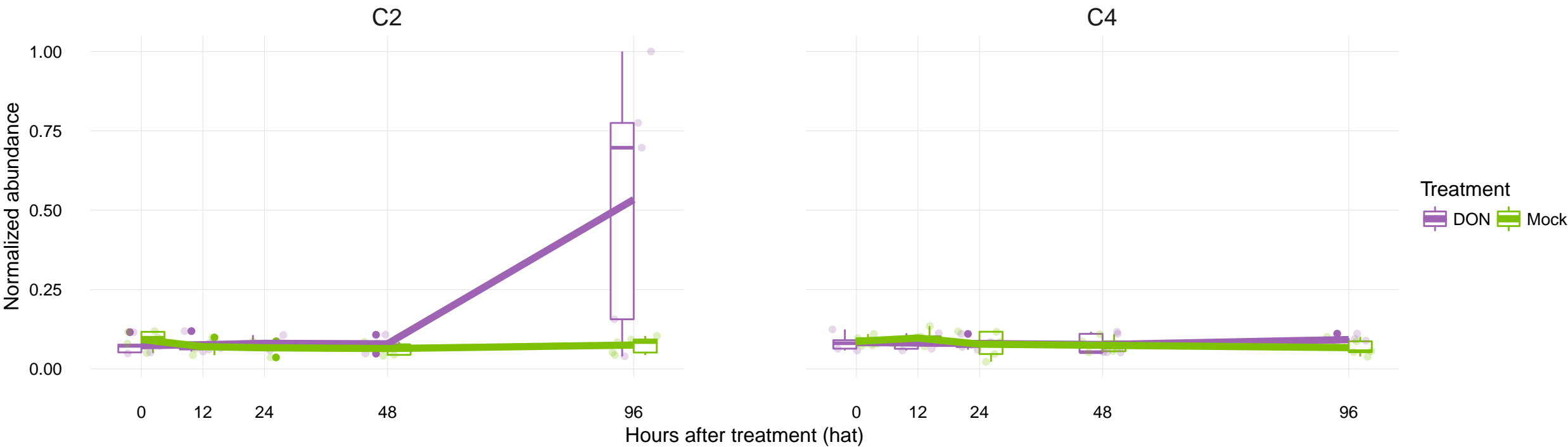


# A.115

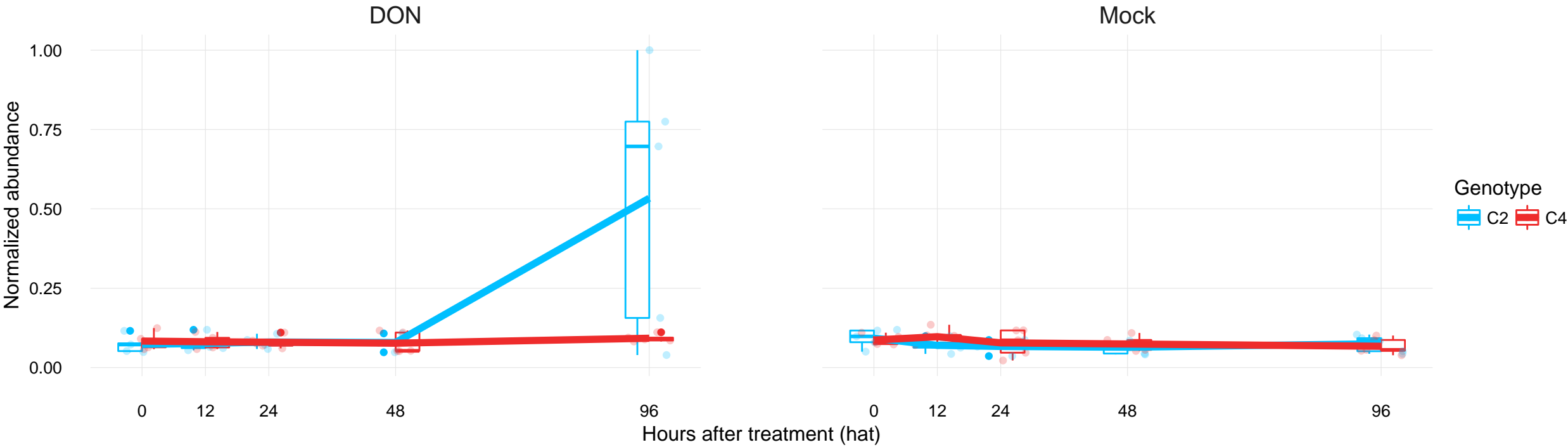
Annotated as HCAA (diHCAA)  
(1 database hit)

MZ	381.181
RT	18.3 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 1A
Cn total / Phe	22 /

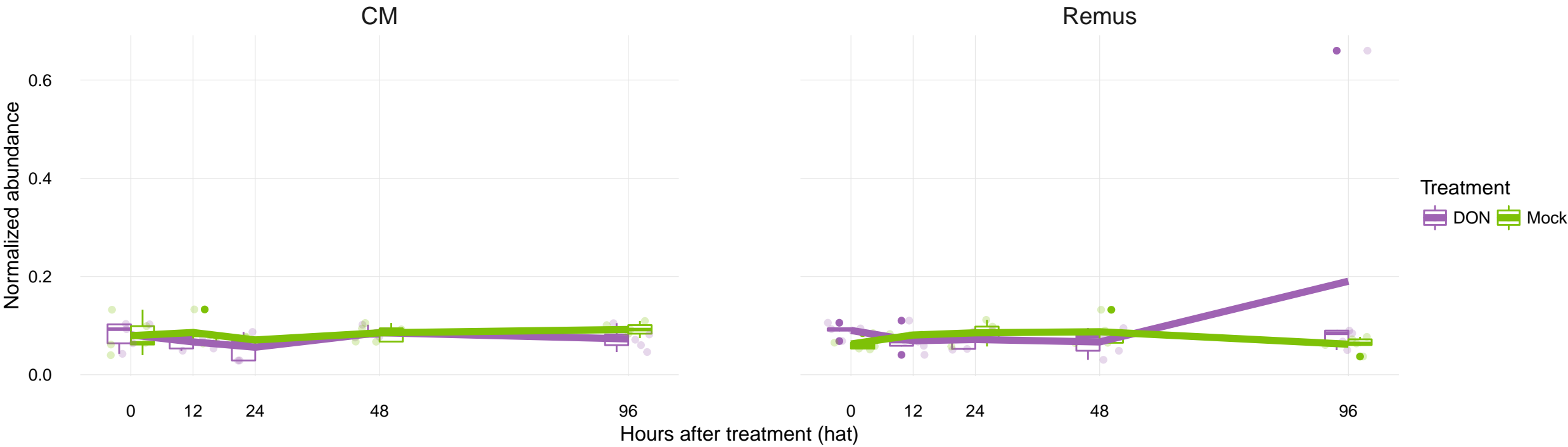
## C2, C4; different treatments



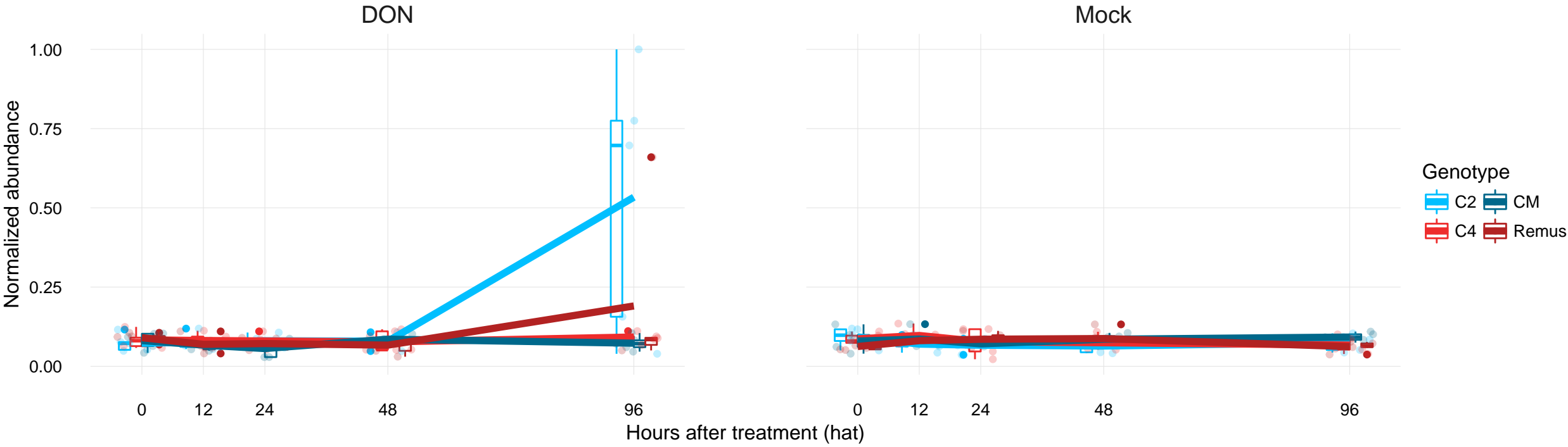
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



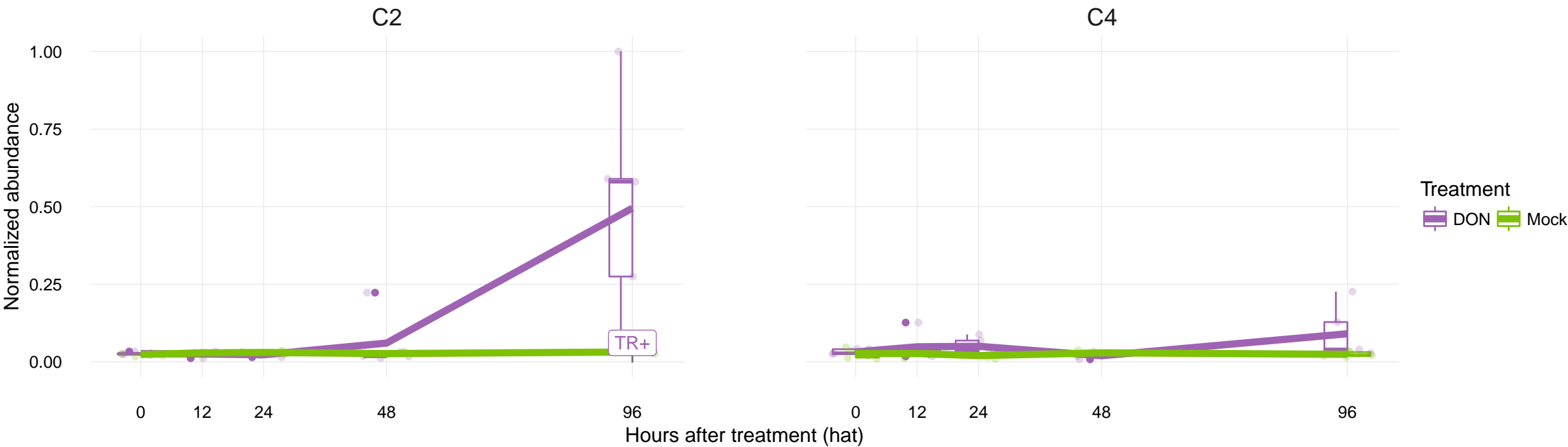


# A.25

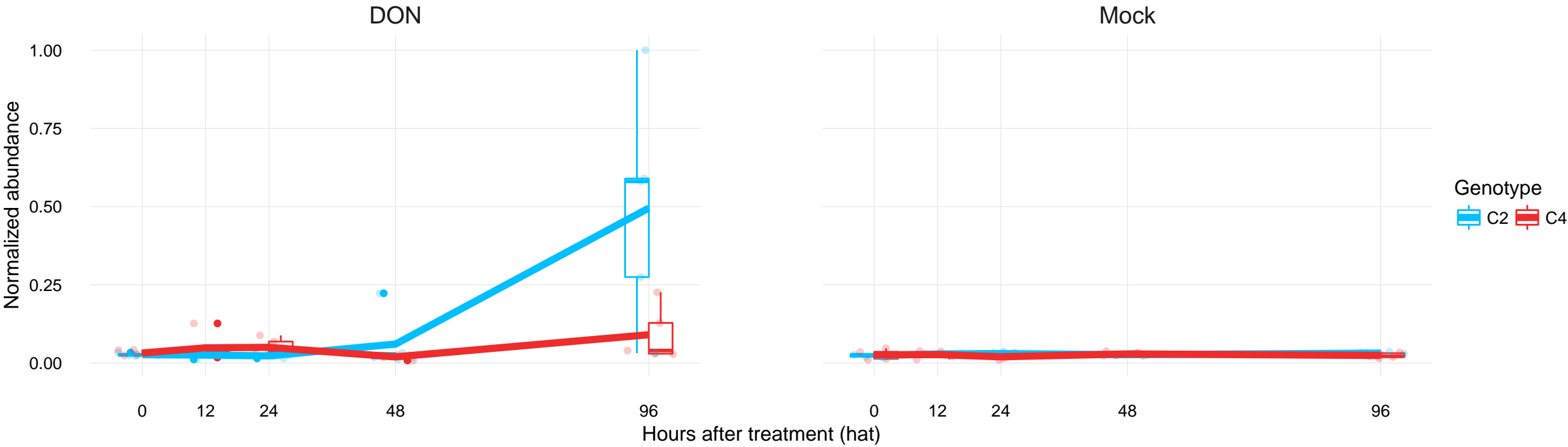
Annotated as others (dipeptide)  
(1 database hit)

MZ	281.1139
RT	8.84 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 1A
Cn total / Phe	9 / 9

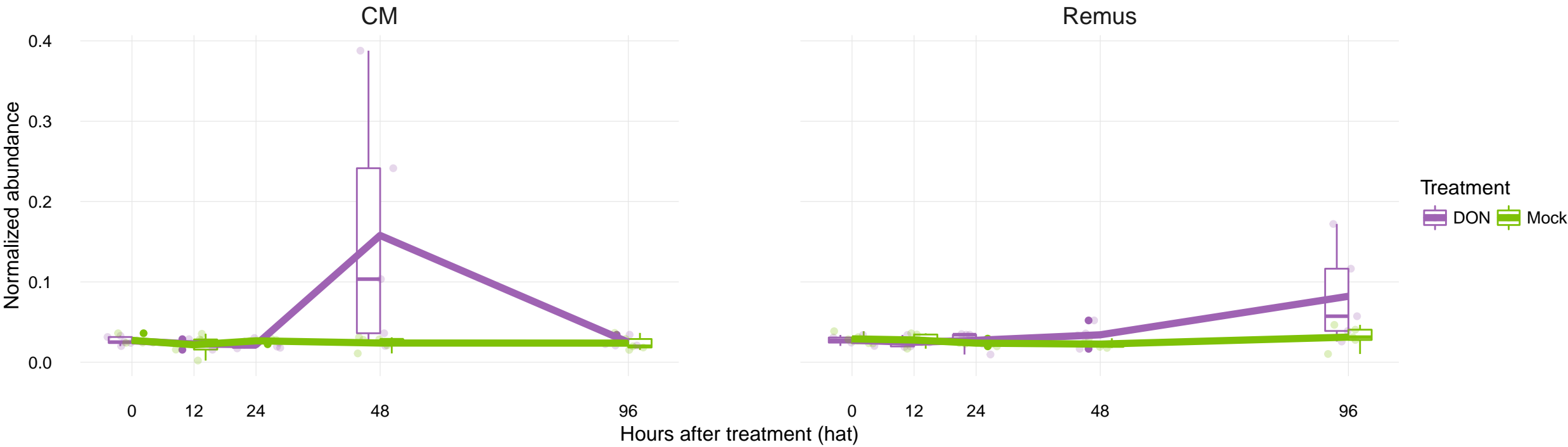
## C2, C4; different treatments



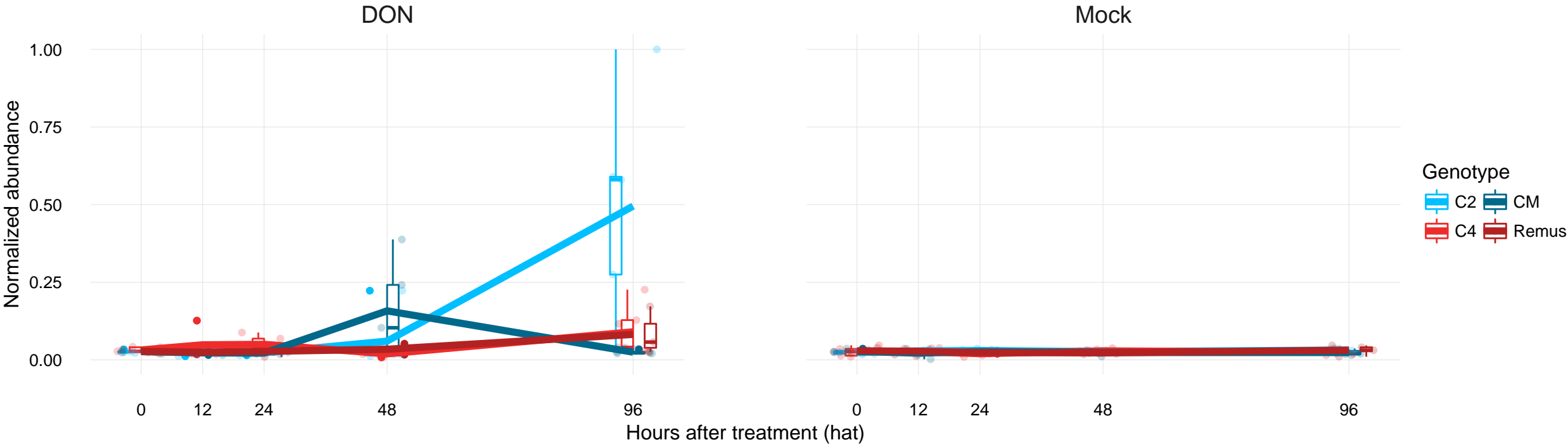
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

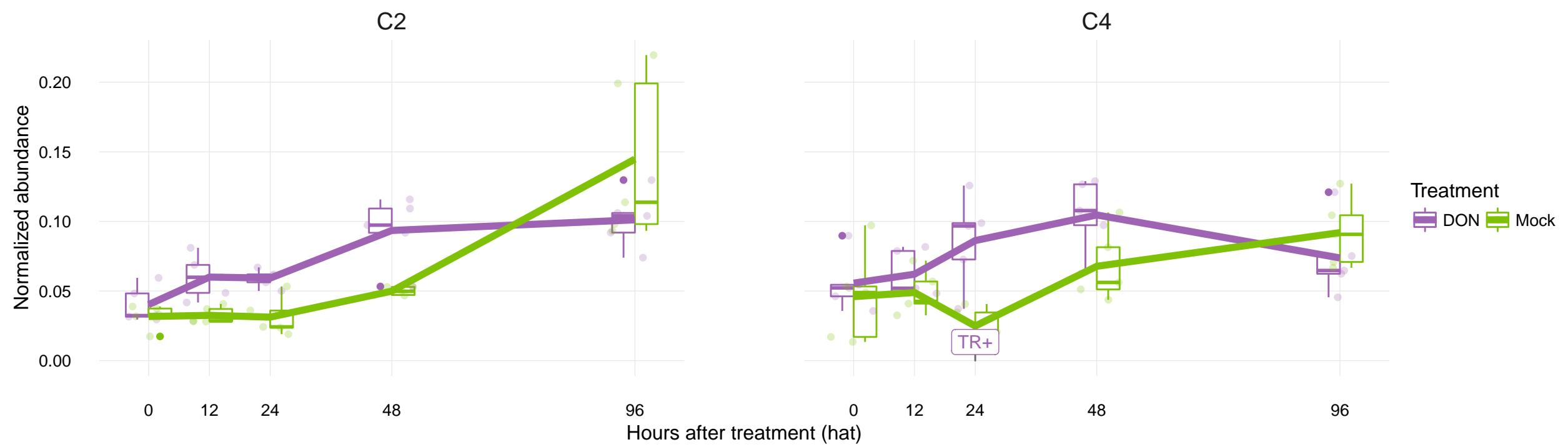


# U.13

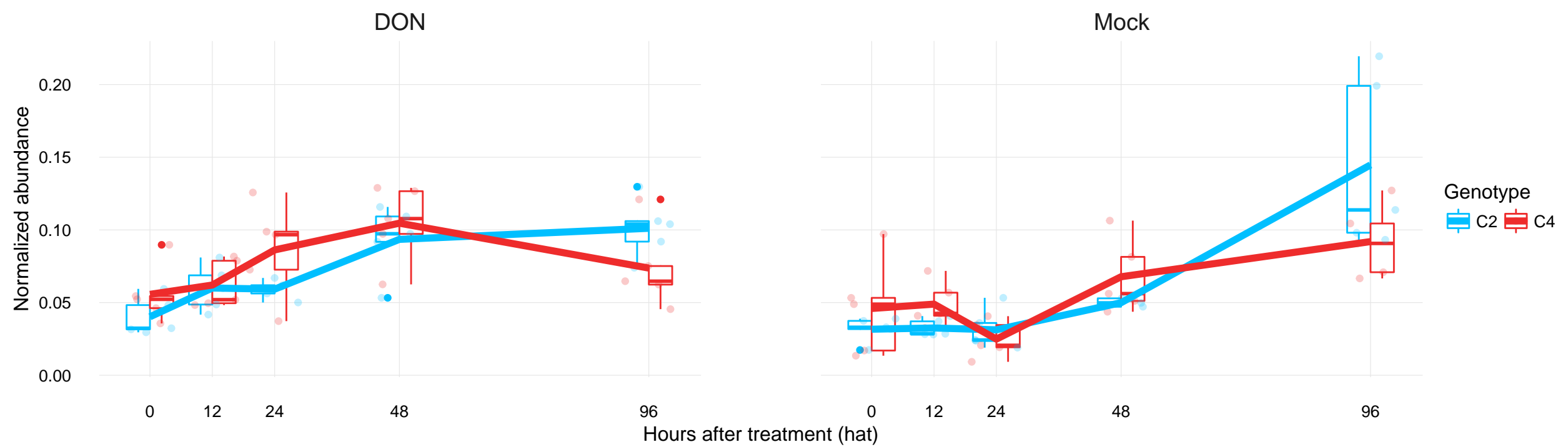
Unknown Phe-derived wheat-metabolite

MZ	147.0442
RT	21.22 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	9 / 9

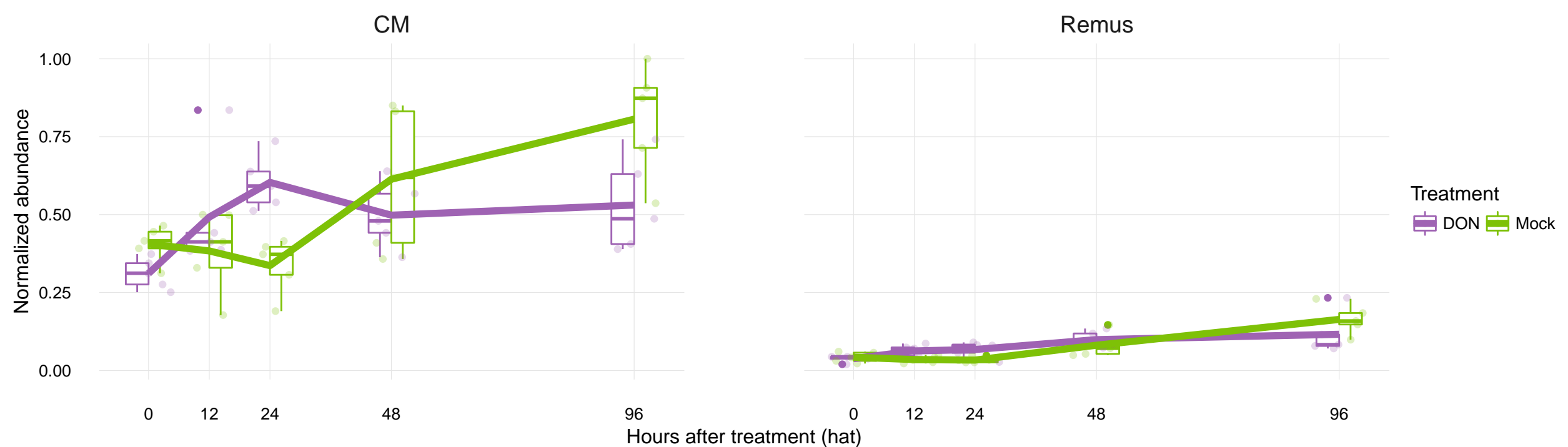
## C2, C4; different treatments



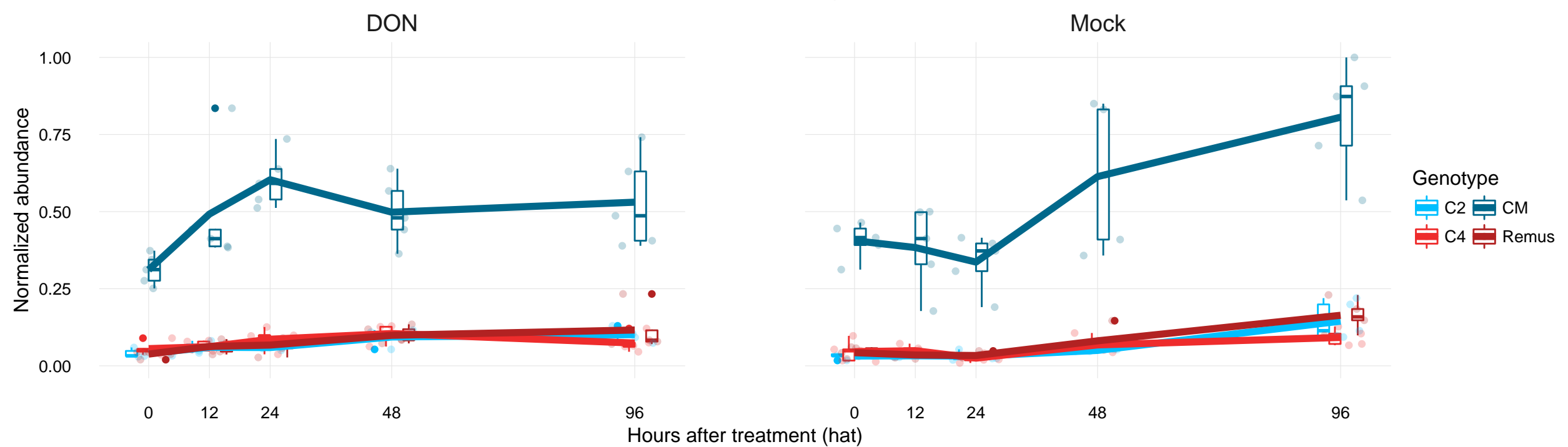
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

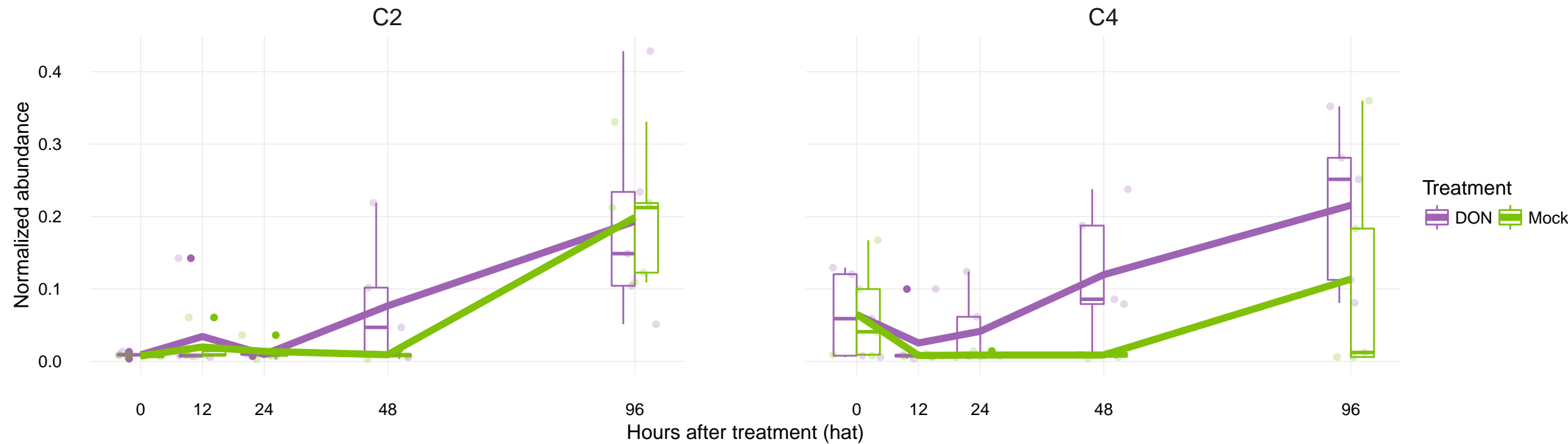


# A.125

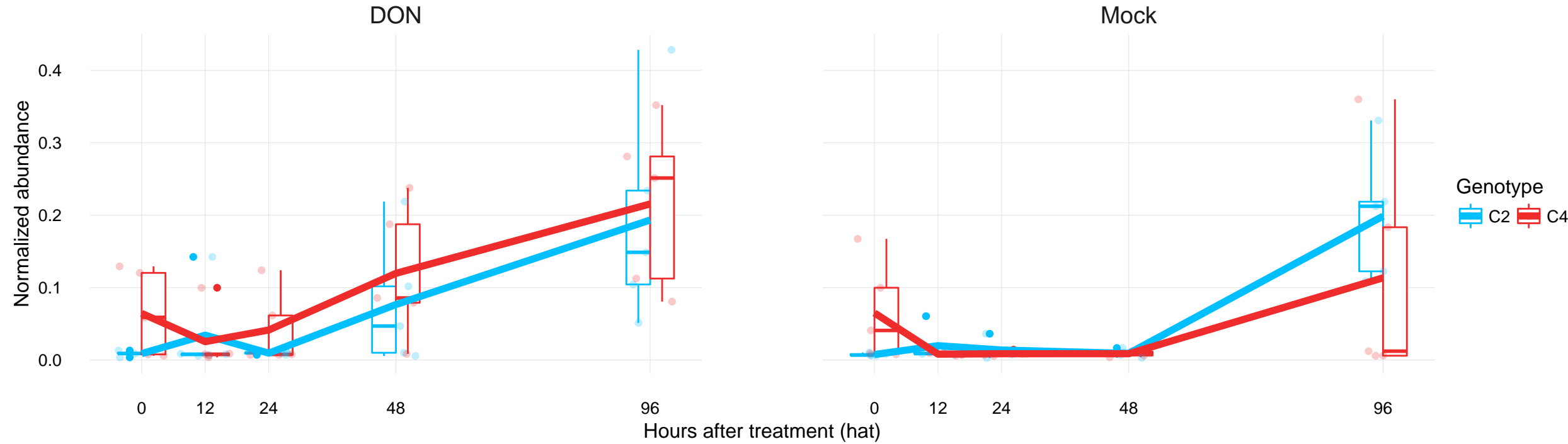
Annotated as Lignan or Flavonoid  
(3 database hits)

MZ	417.1545
RT	20.35 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	22 /

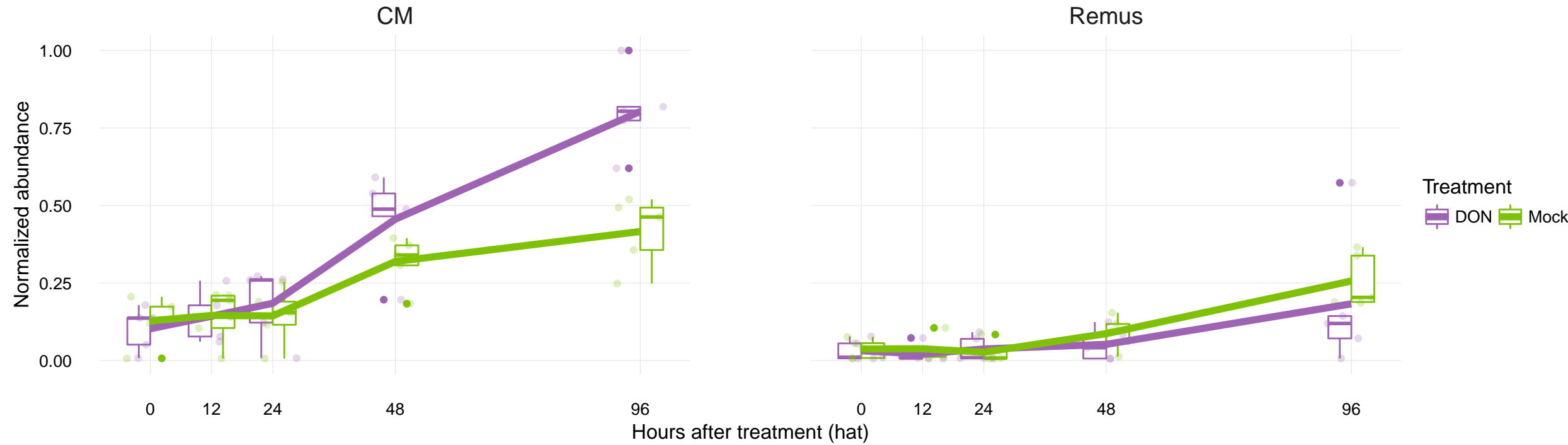
## C2, C4; different treatments



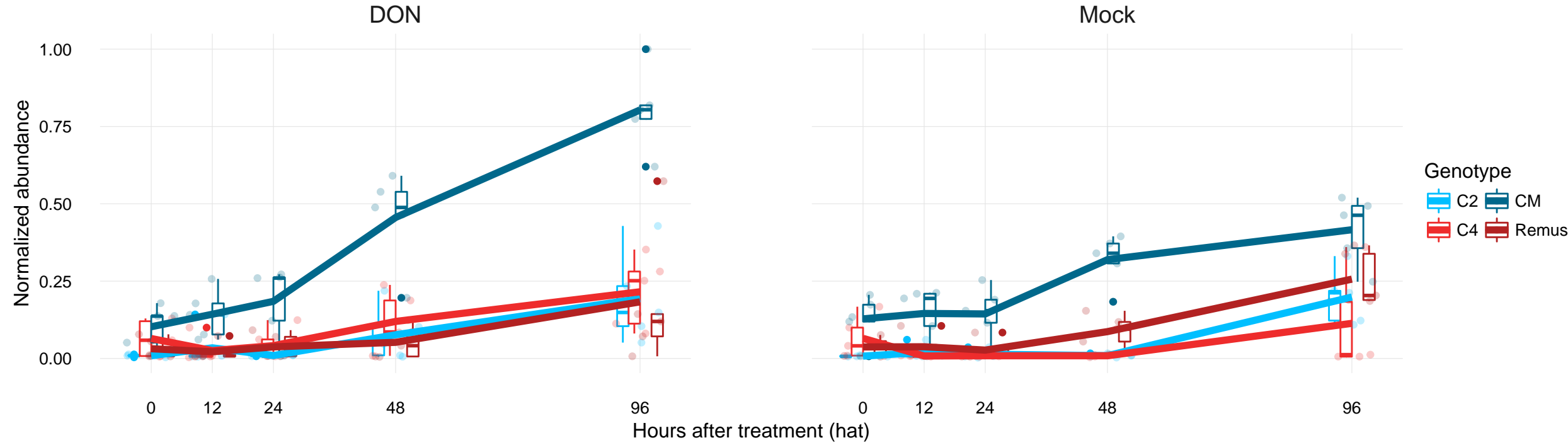
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

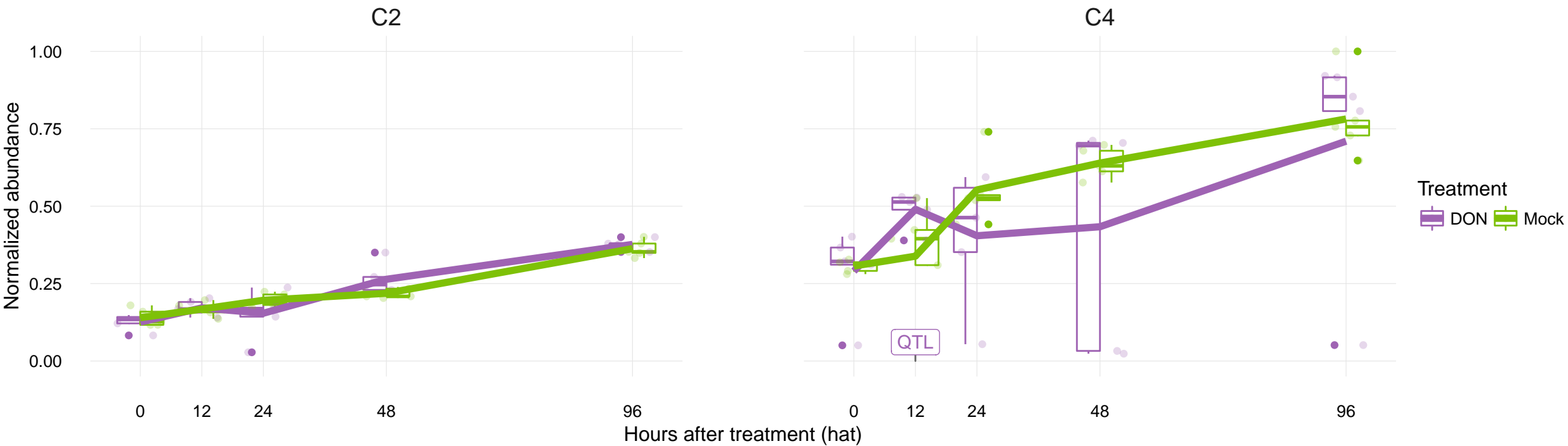


A.88

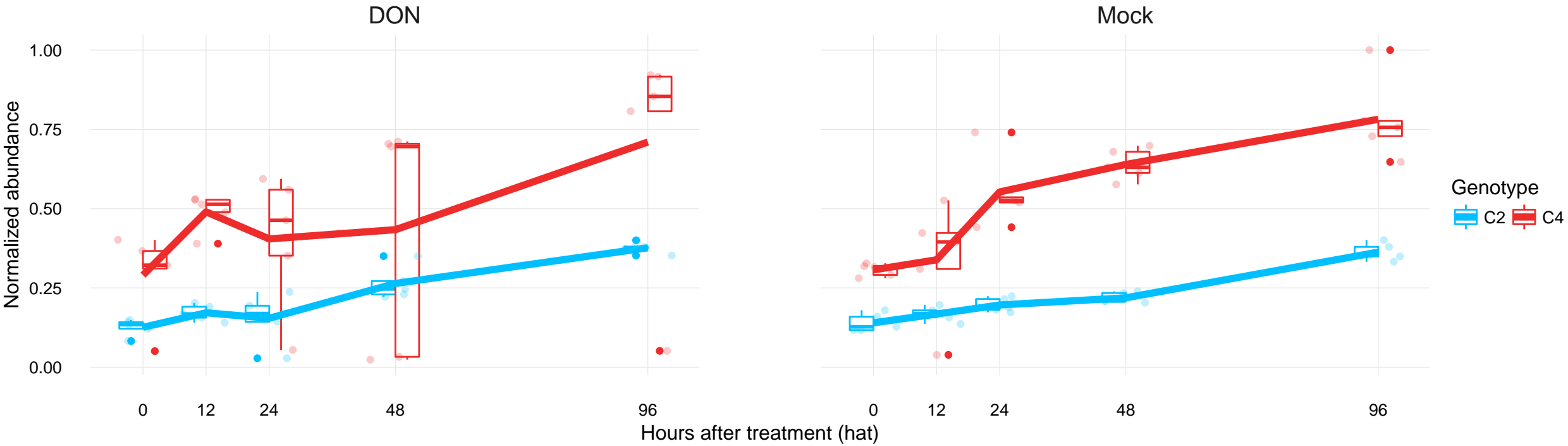
Annotated as HCA derivative  
(1 database hit)

MZ	393.1157
RT	15.31 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	17 /

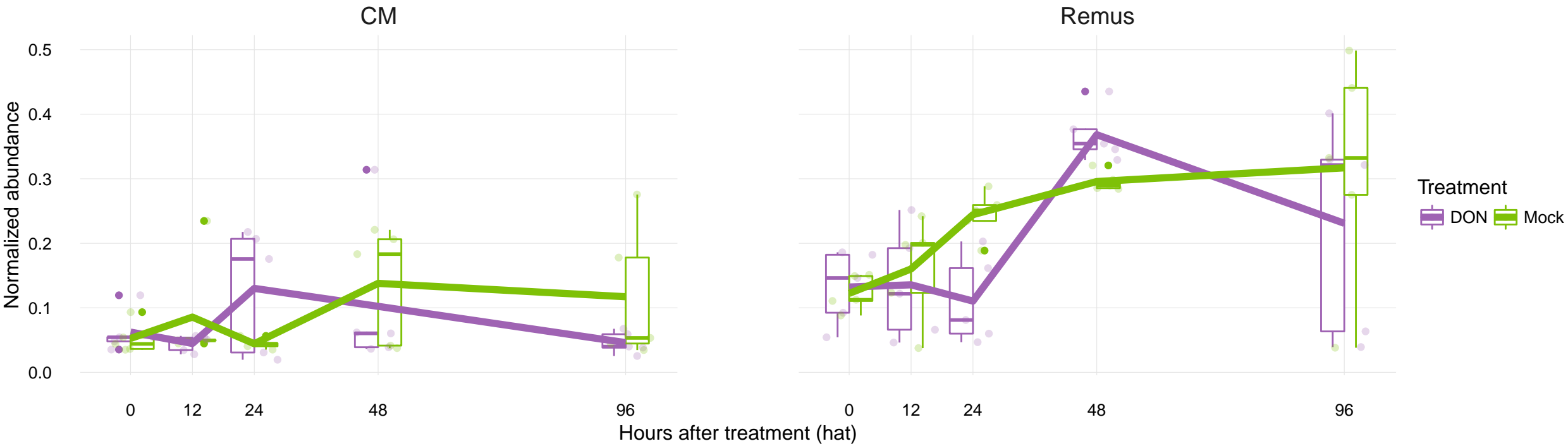
C2, C4; different treatments



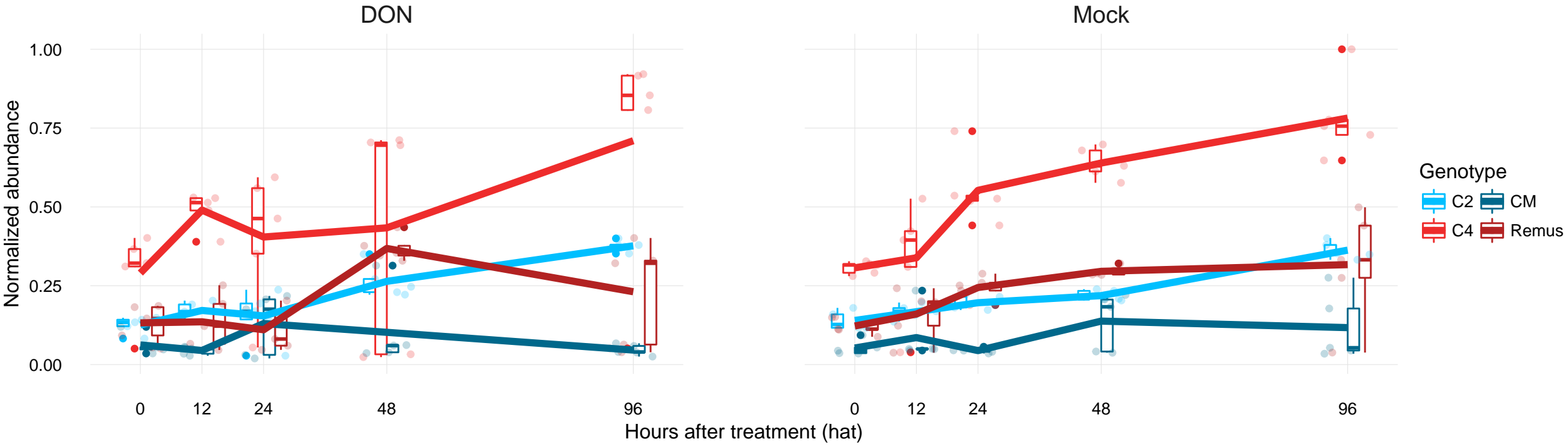
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

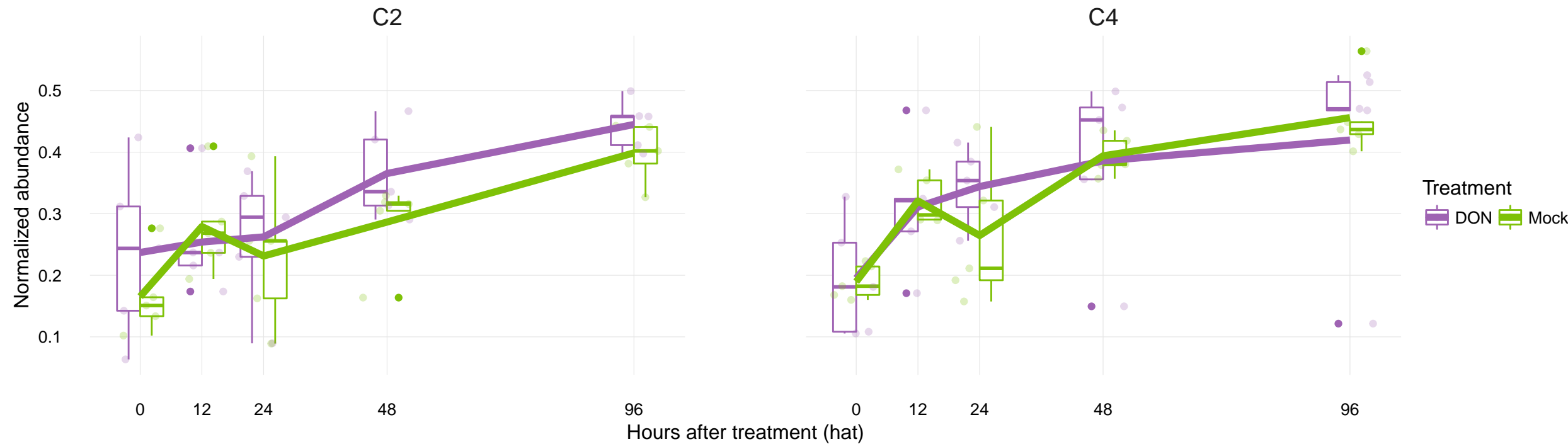


# A.52

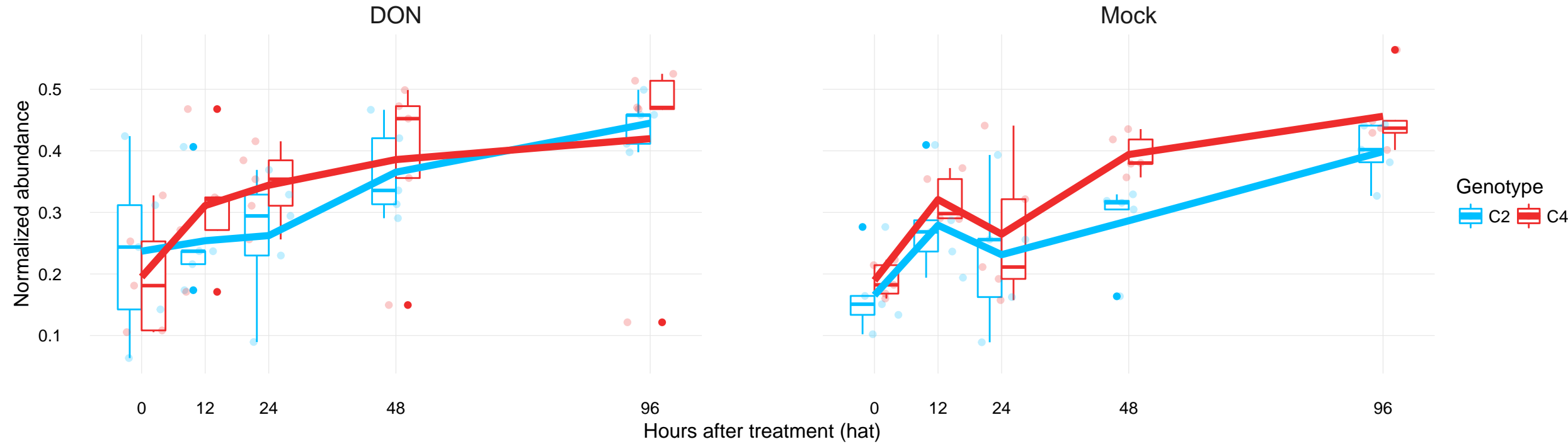
Annotated as HCA derivative  
(1 database hit)

MZ	343.1024
RT	12.22 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	15 /

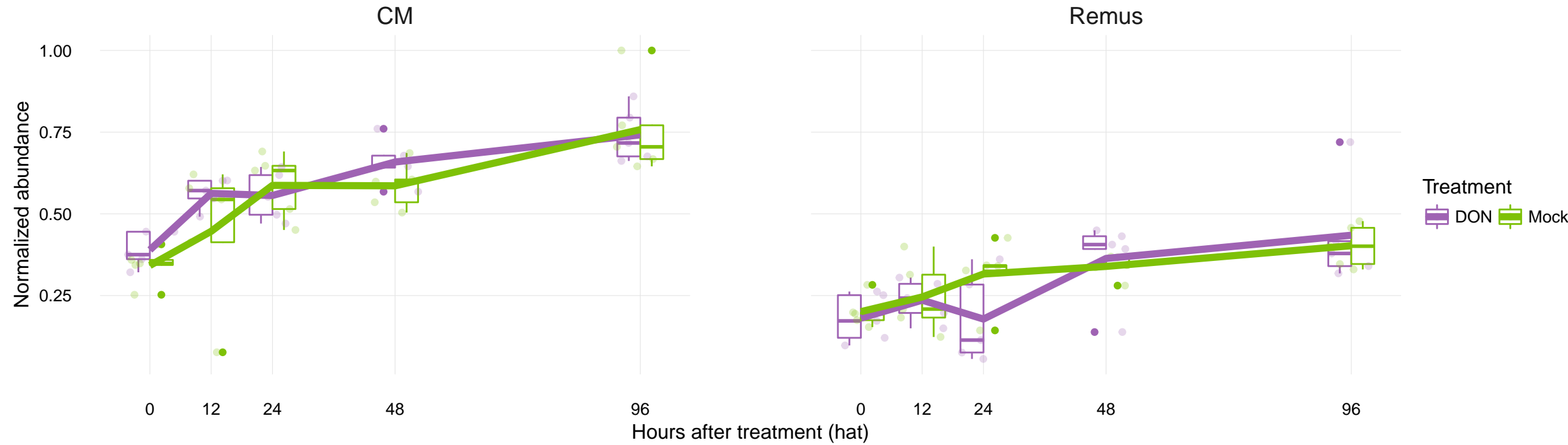
## C2, C4; different treatments



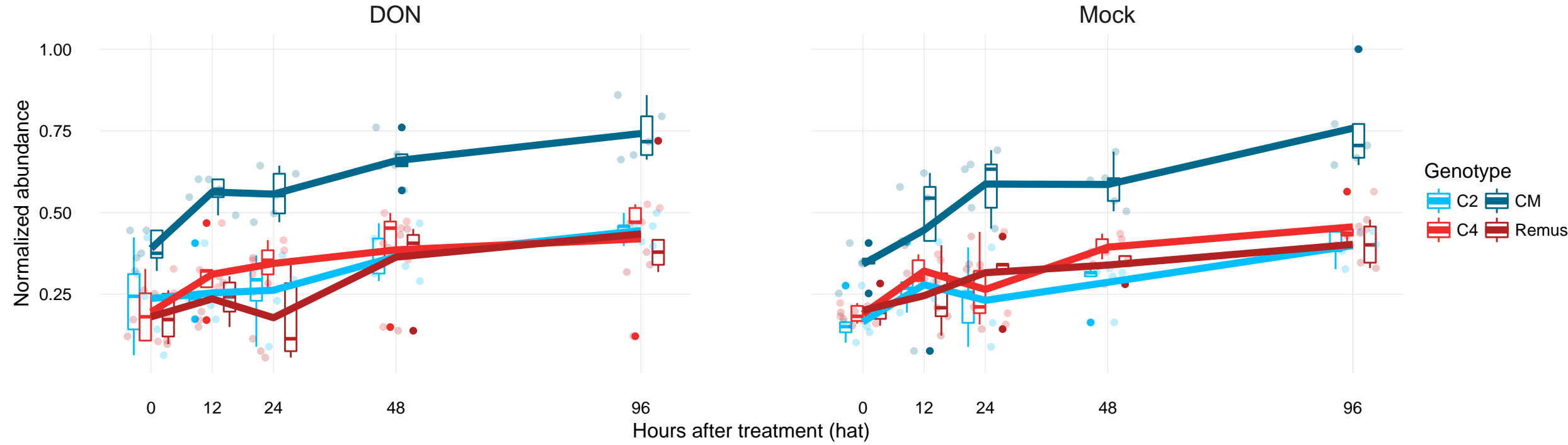
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

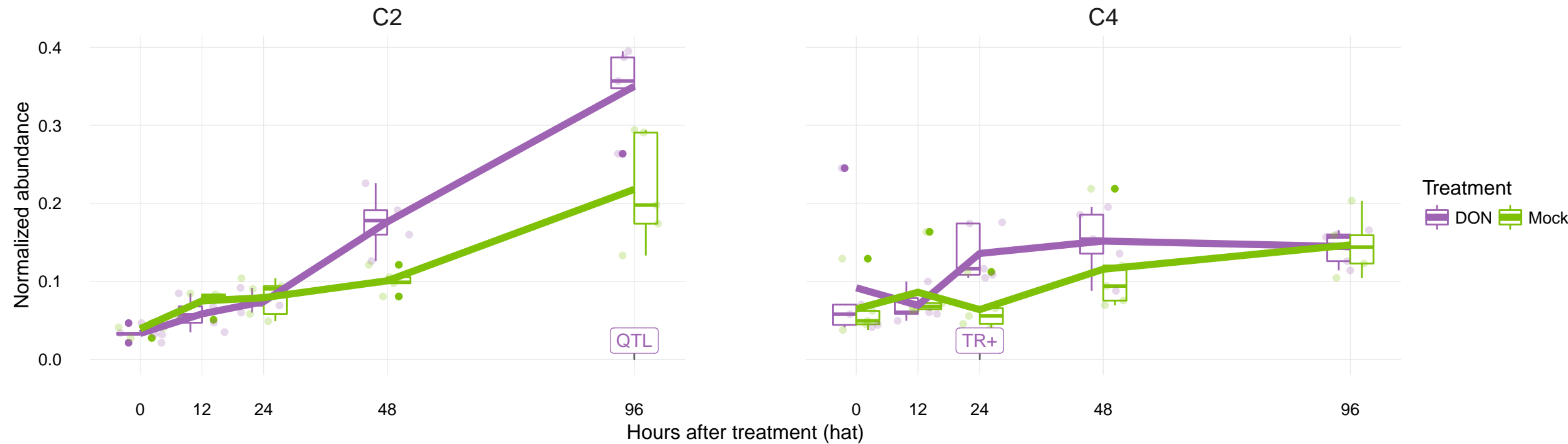


# A.131

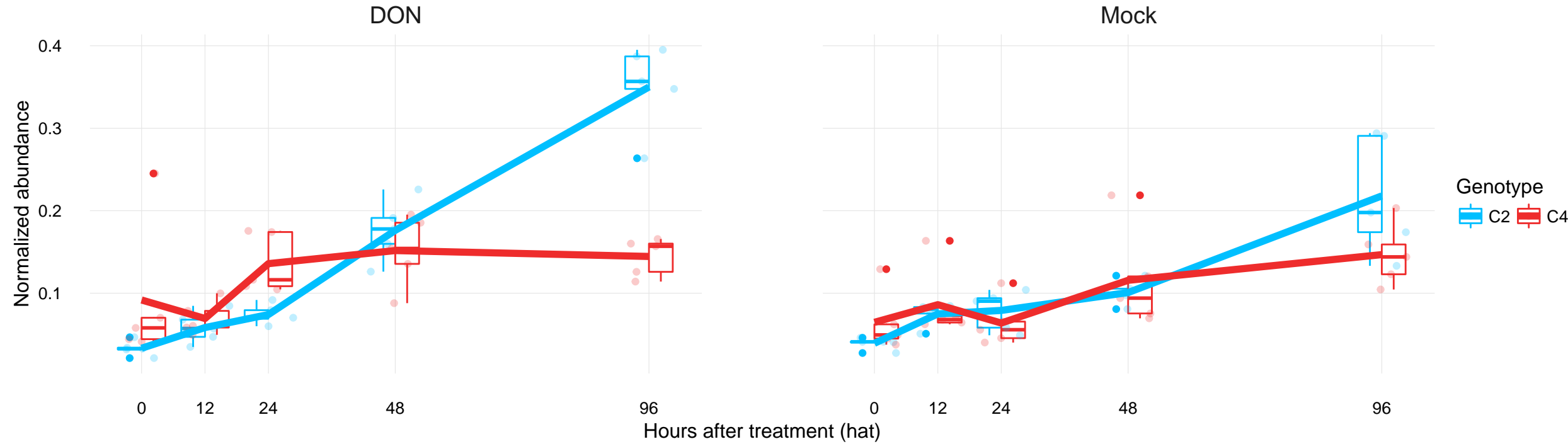
Annotated as others (Coumarins)  
(1 database hit)

MZ	177.0546
RT	21.16 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	10 / 9

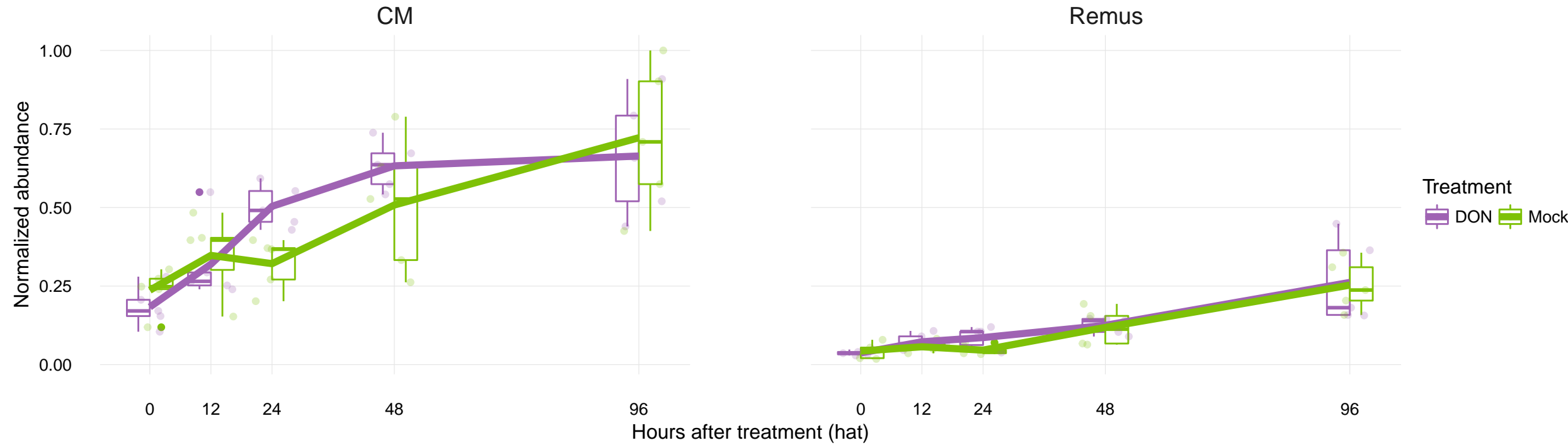
## C2, C4; different treatments



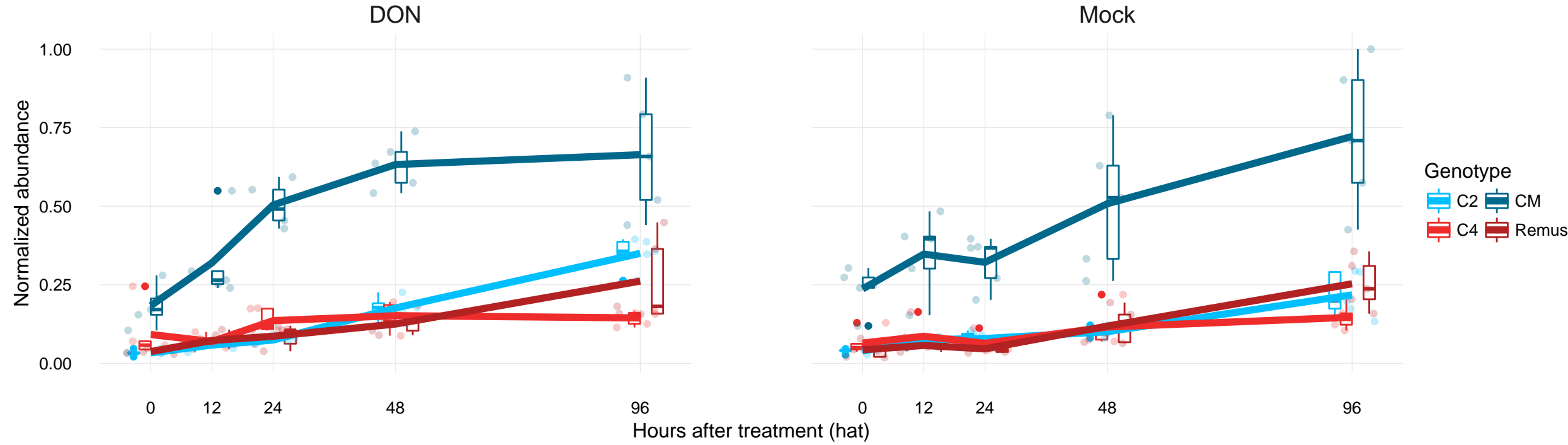
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

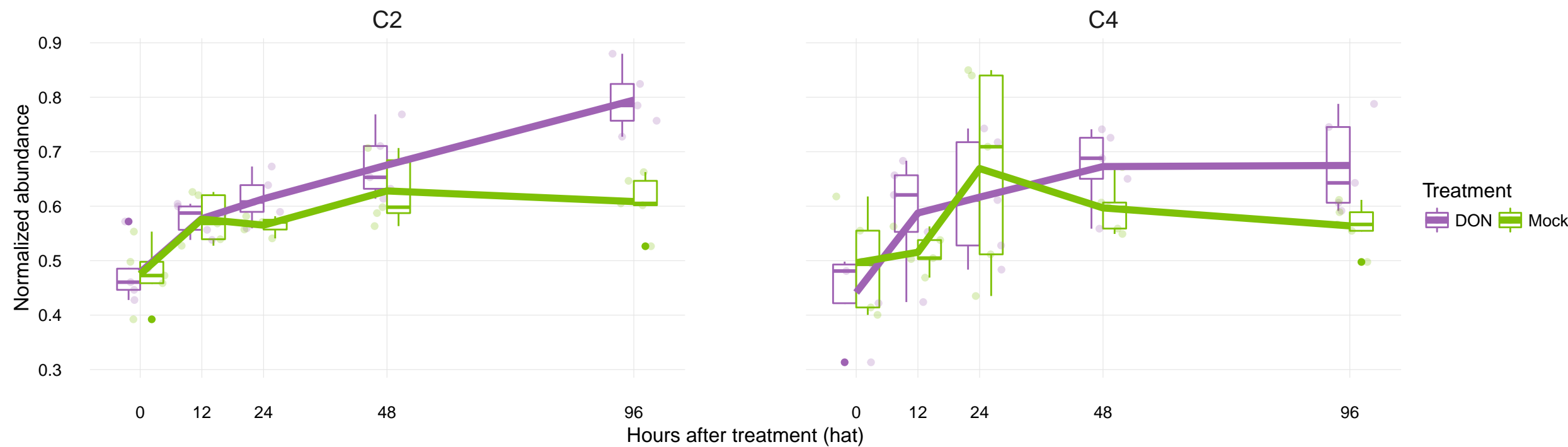


# A.128

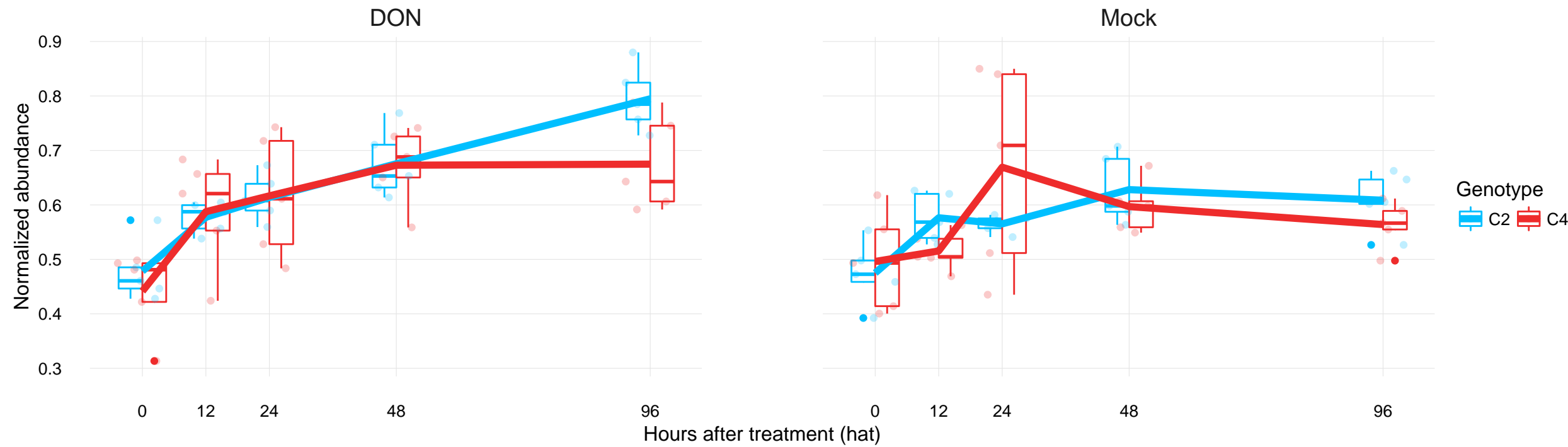
Annotated as Flavonoid  
(25 database hits)

MZ	405.1181
RT	20.88 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	20 /

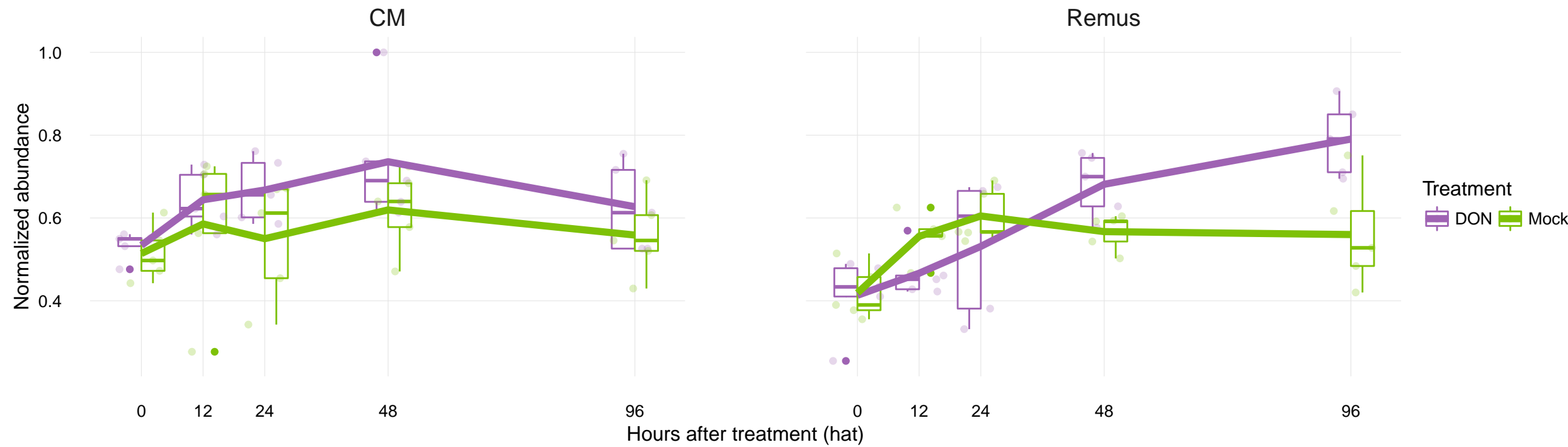
## C2, C4; different treatments



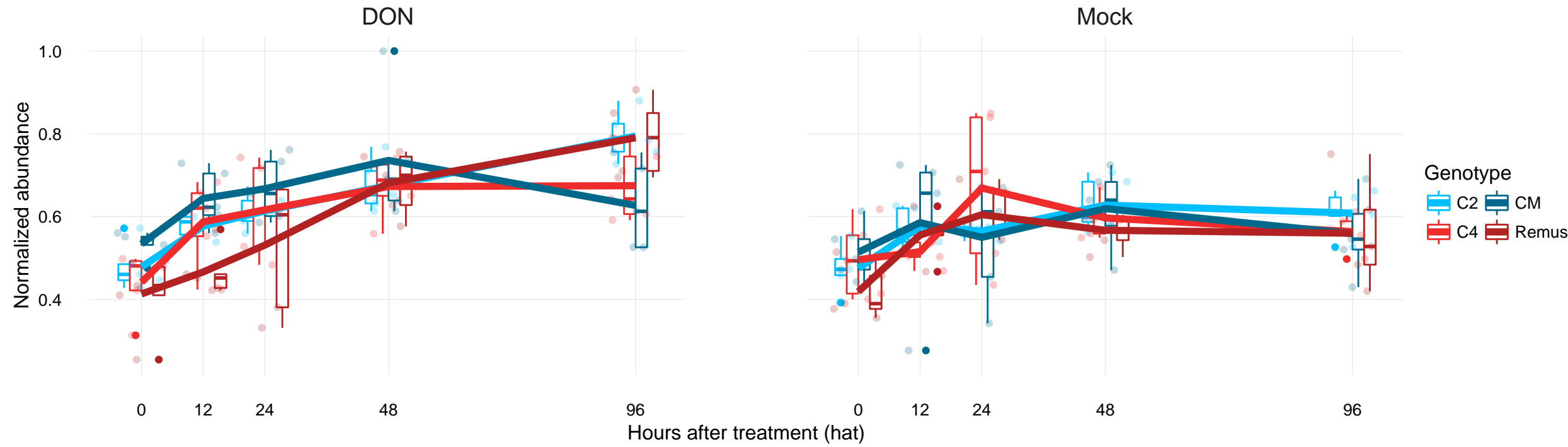
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



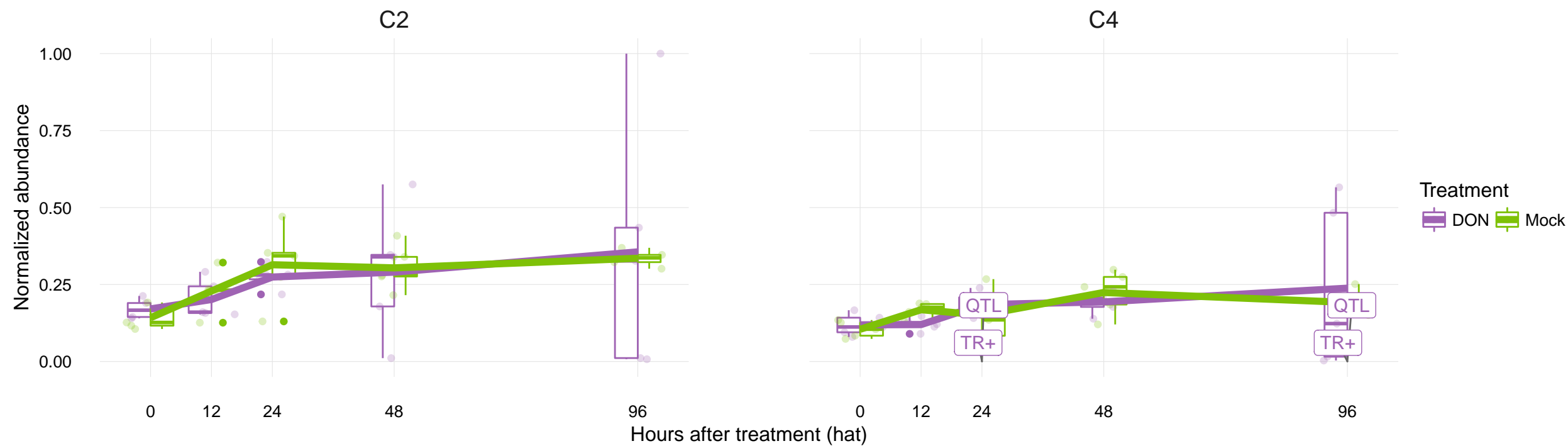


# A.135

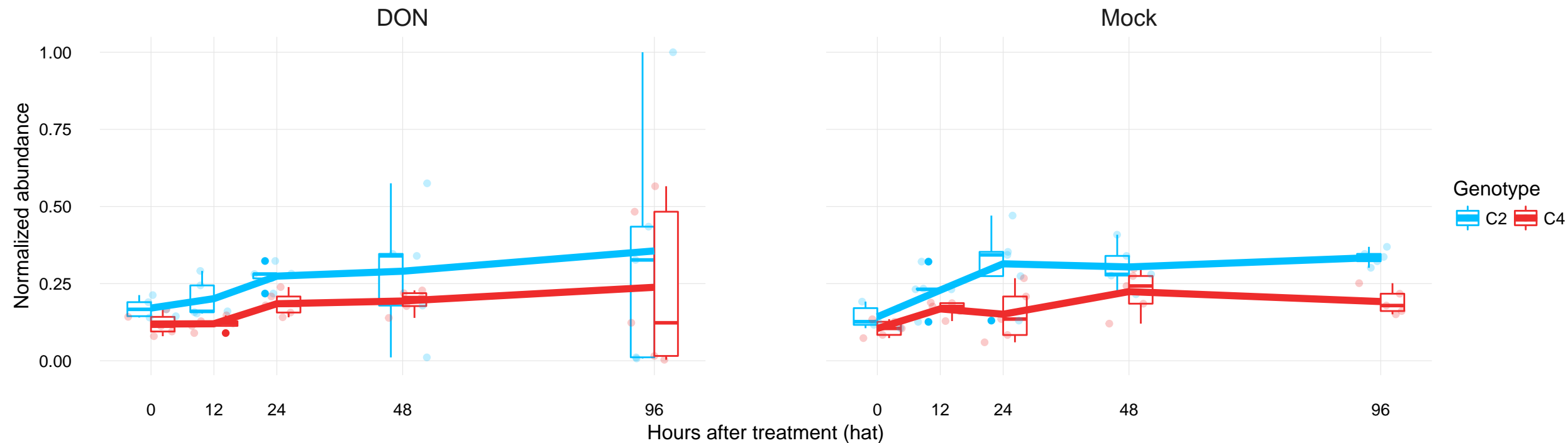
Annotated as HCA derivative  
(1 database hit)

MZ	885.2422
RT	21.51 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	40 / Several: 9,18

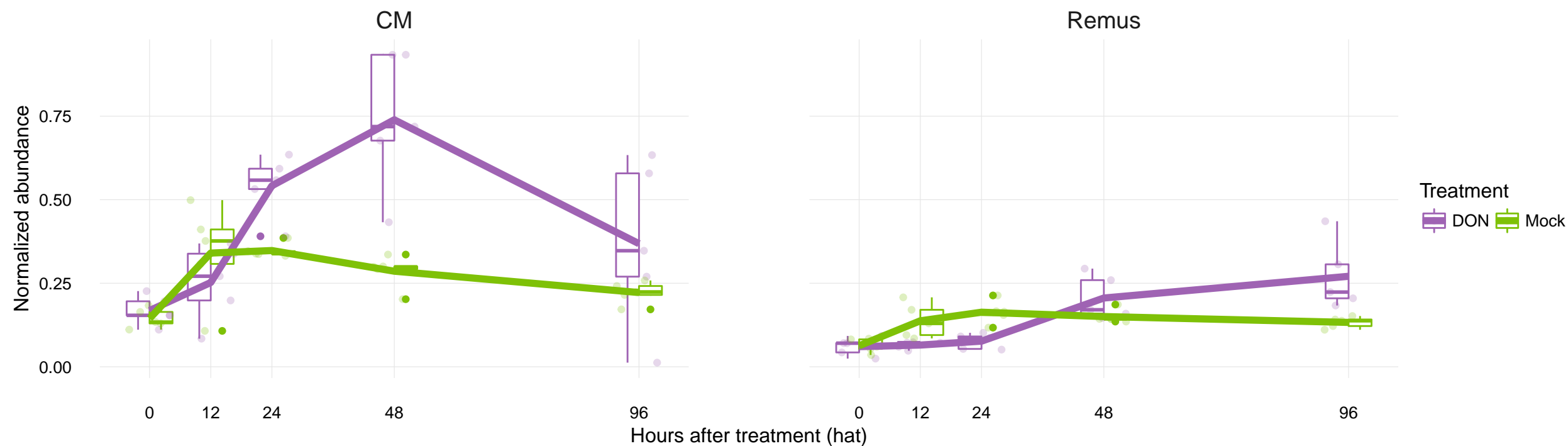
## C2, C4; different treatments



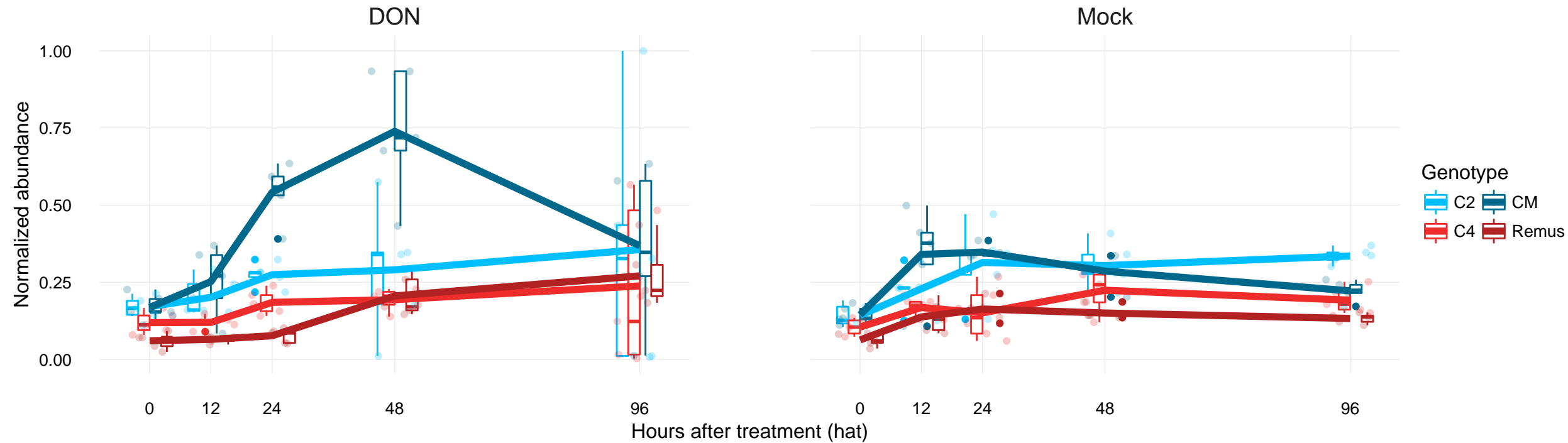
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

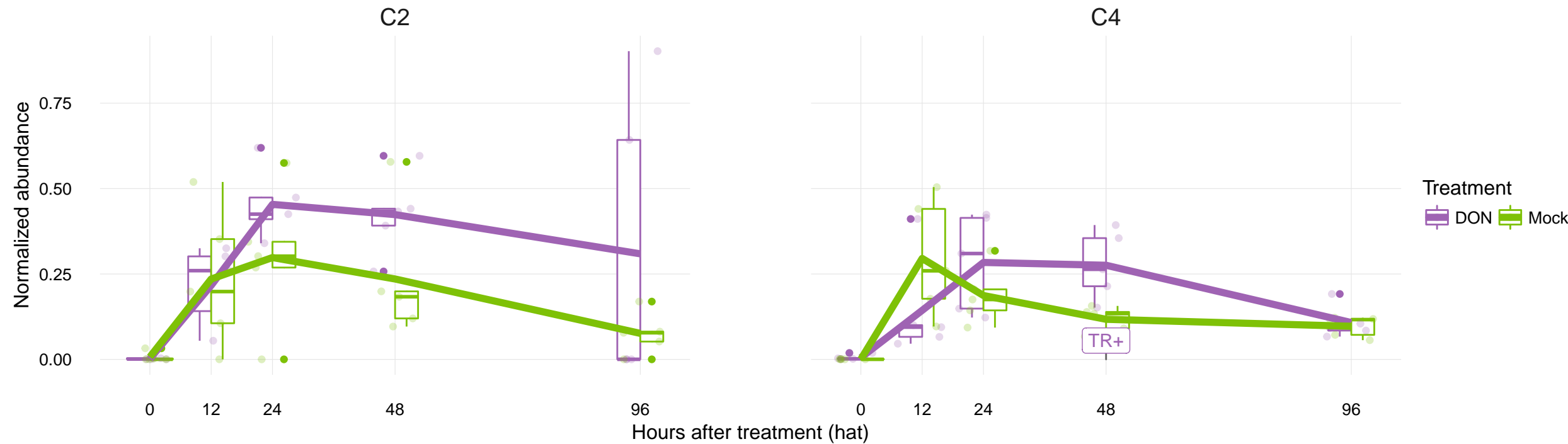


# A.21

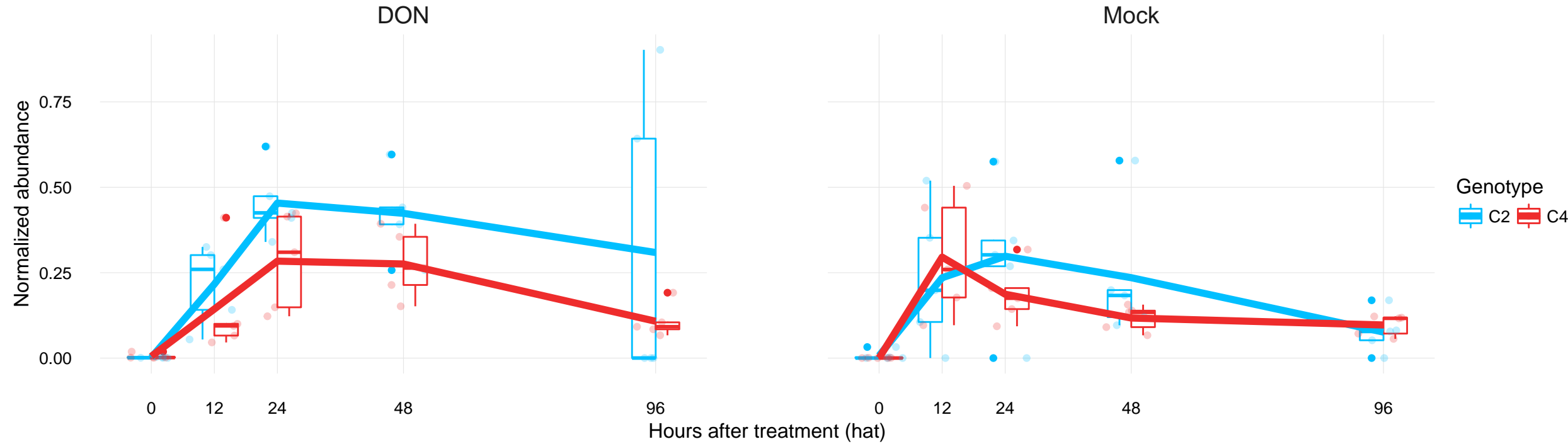
Annotated as HCAA  
(2 database hits)

MZ	293.1611
RT	8.25 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	14 /

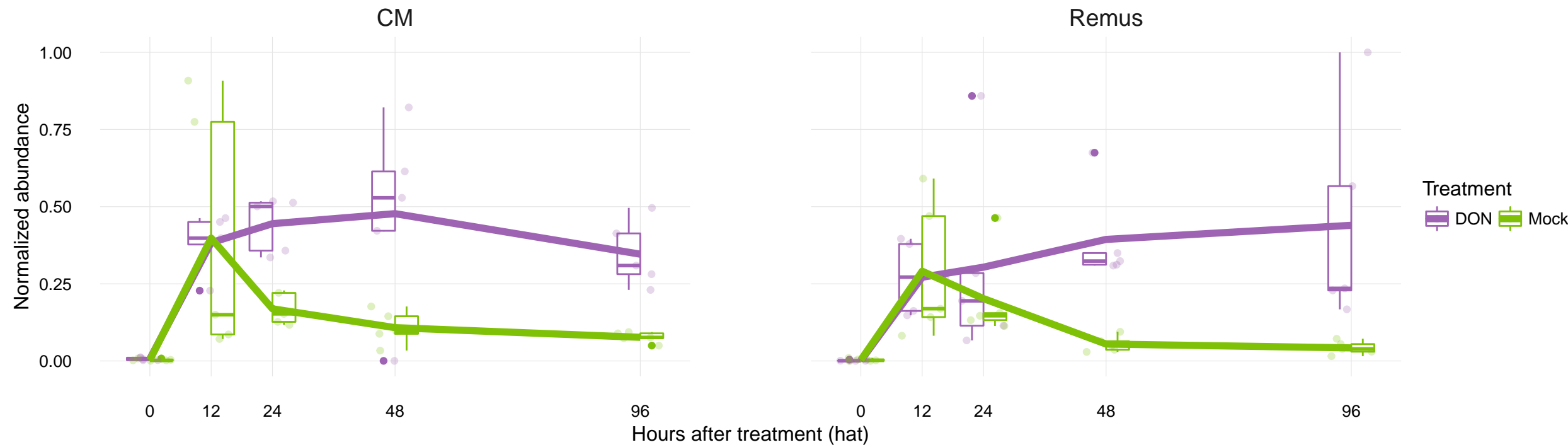
## C2, C4; different treatments



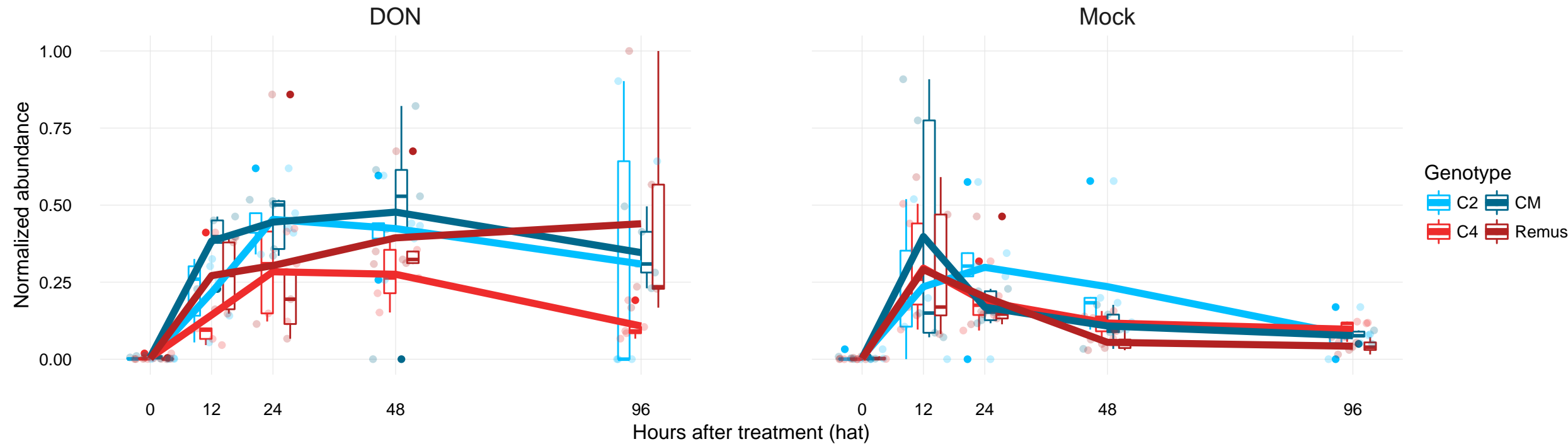
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

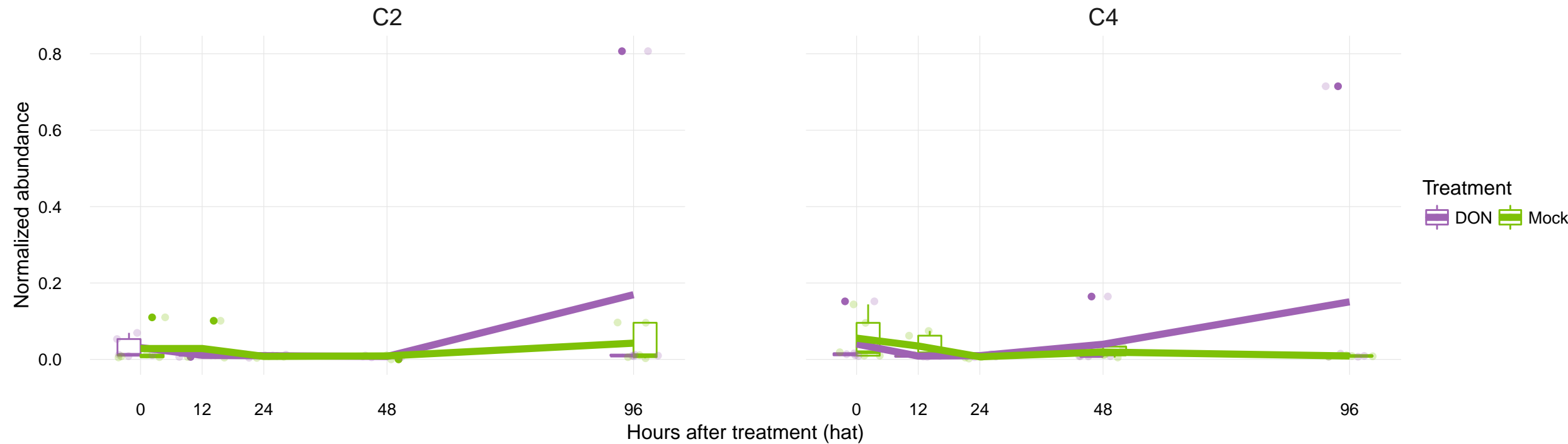


# A.124

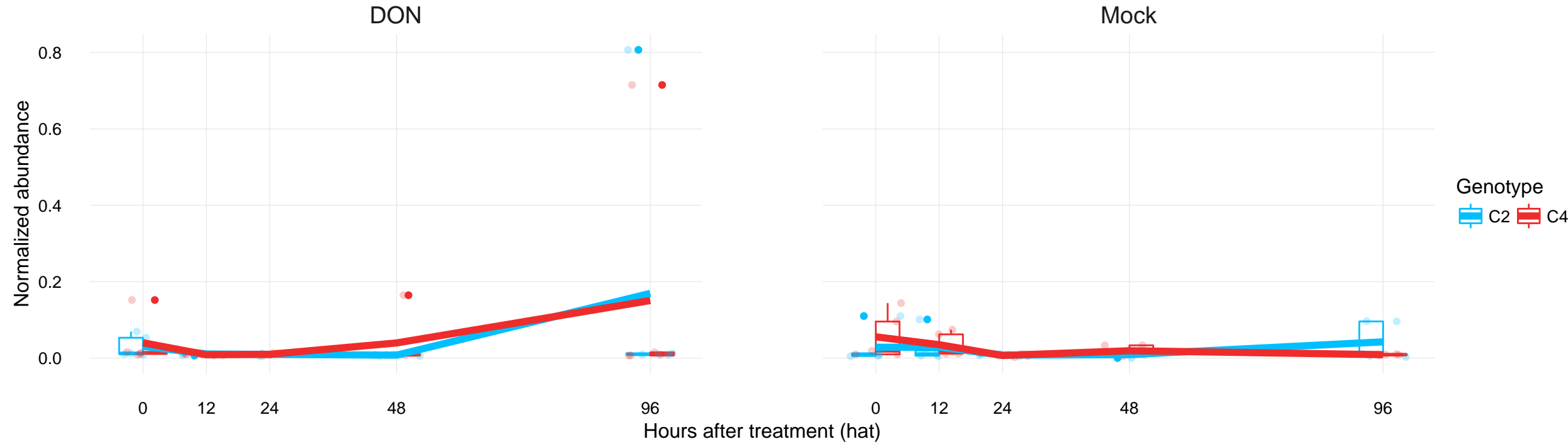
Annotated as Flavonoid  
(30 database hits)

MZ	341.1385
RT	20.25 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	20 /

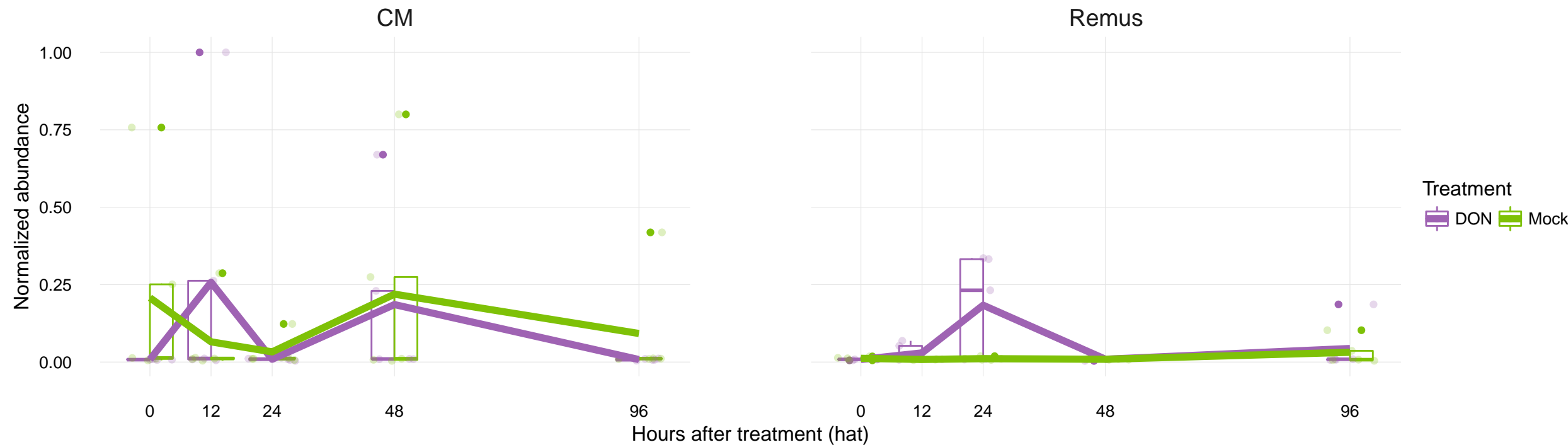
## C2, C4; different treatments



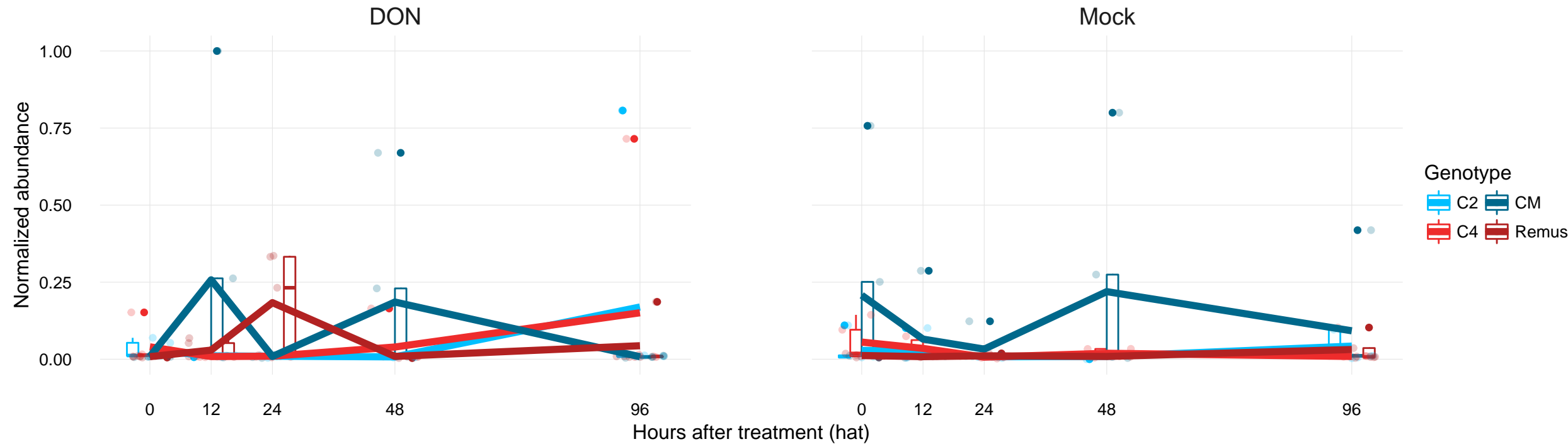
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

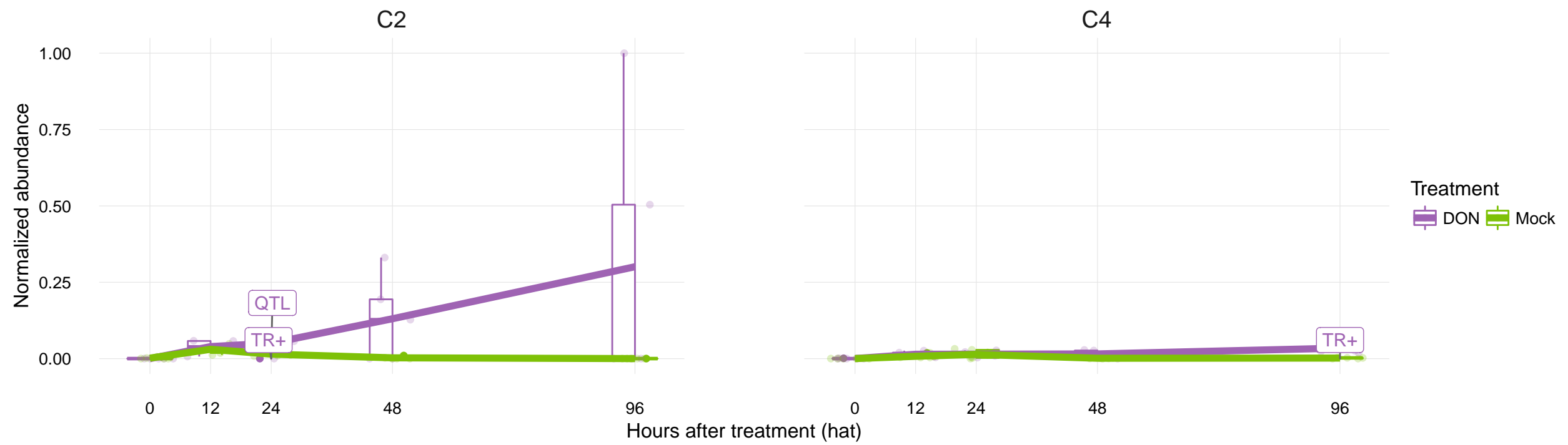


# A.19

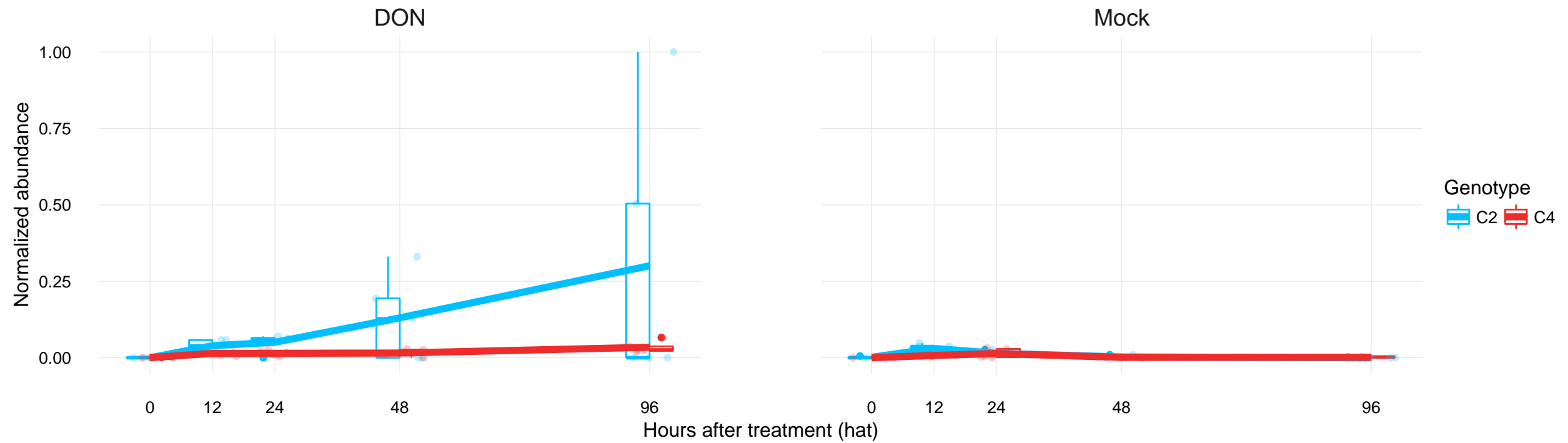
Annotated as HCAA  
(1 database hit)

MZ	235.1447
RT	7.48 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	9 / 9

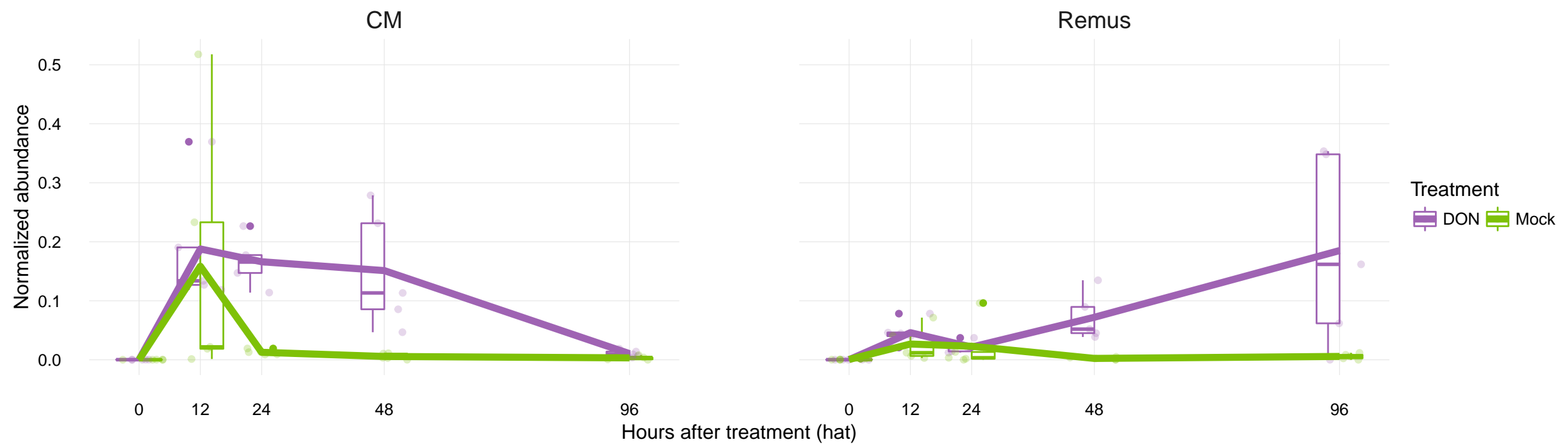
## C2, C4; different treatments



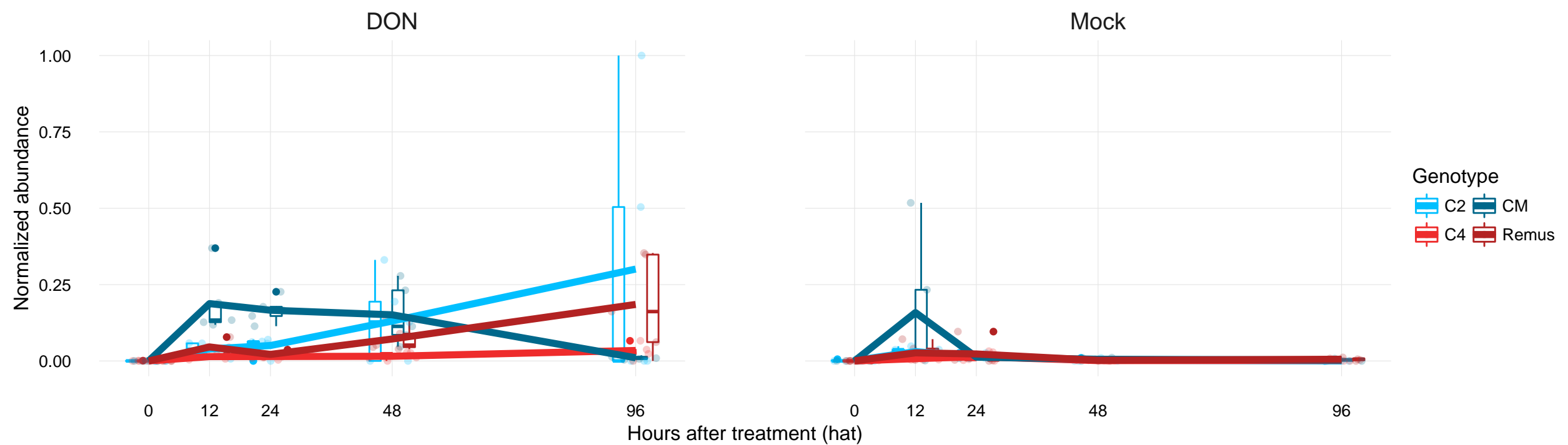
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

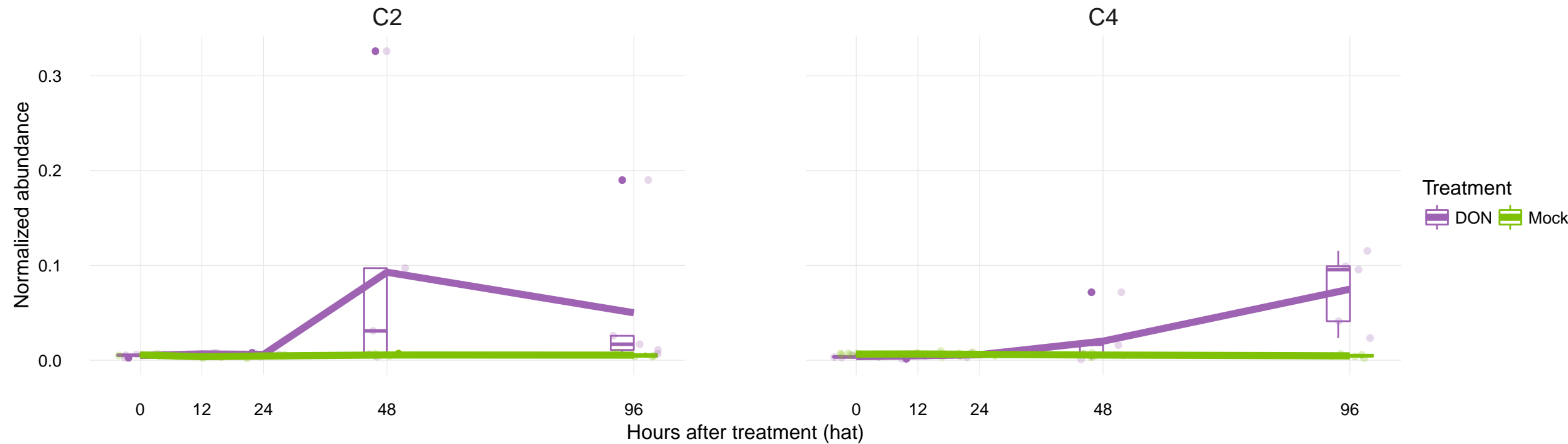


# A.140

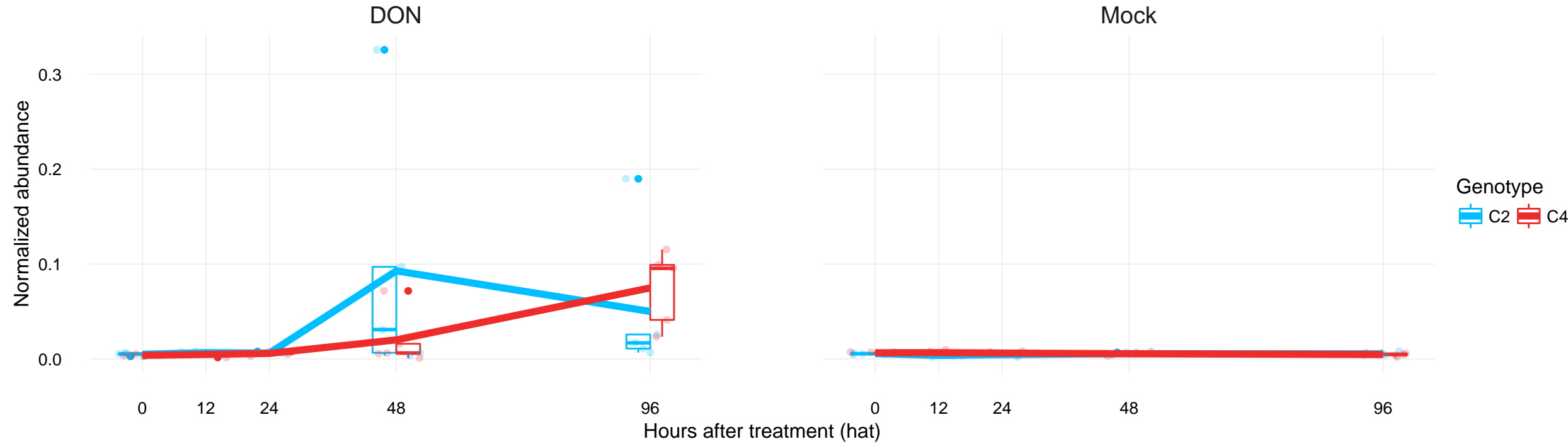
Annotated as Flavonoid  
(43 database hits)

MZ	301.1073
RT	27.16 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	17 /

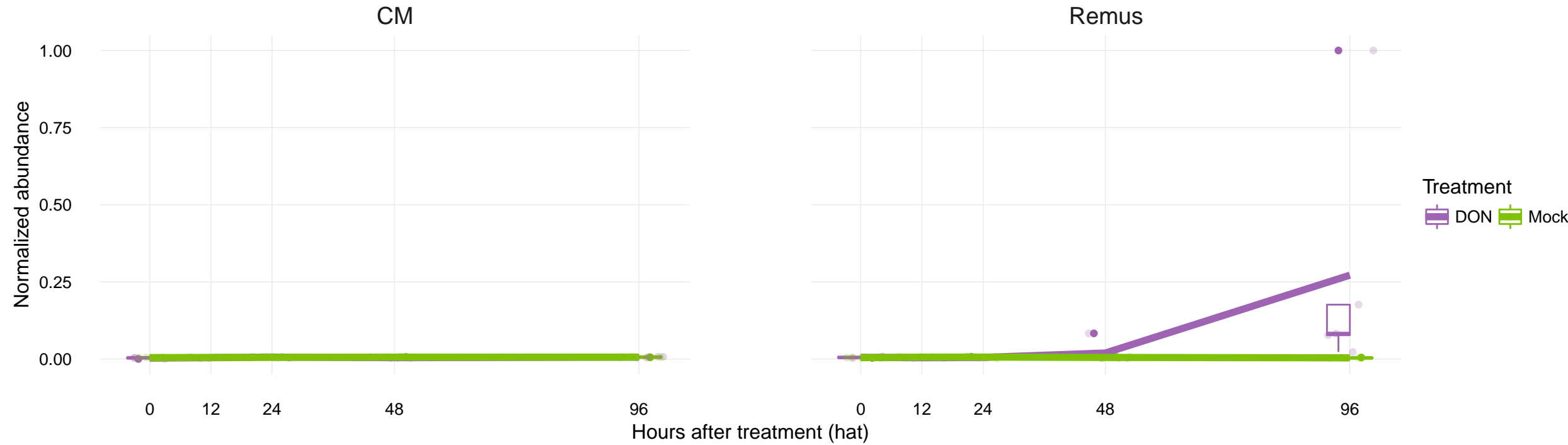
## C2, C4; different treatments



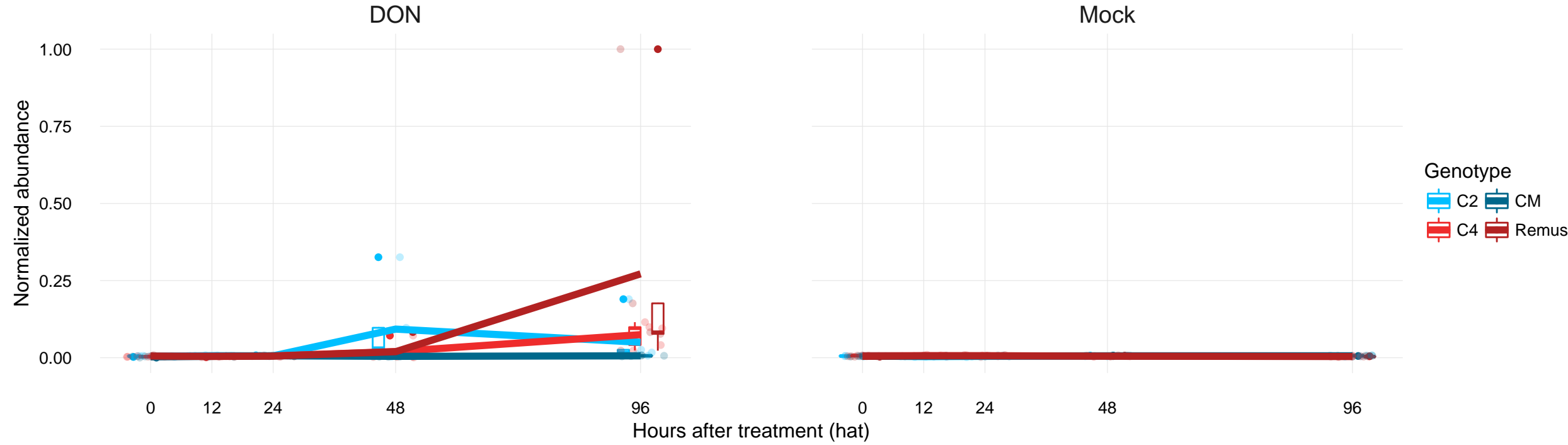
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

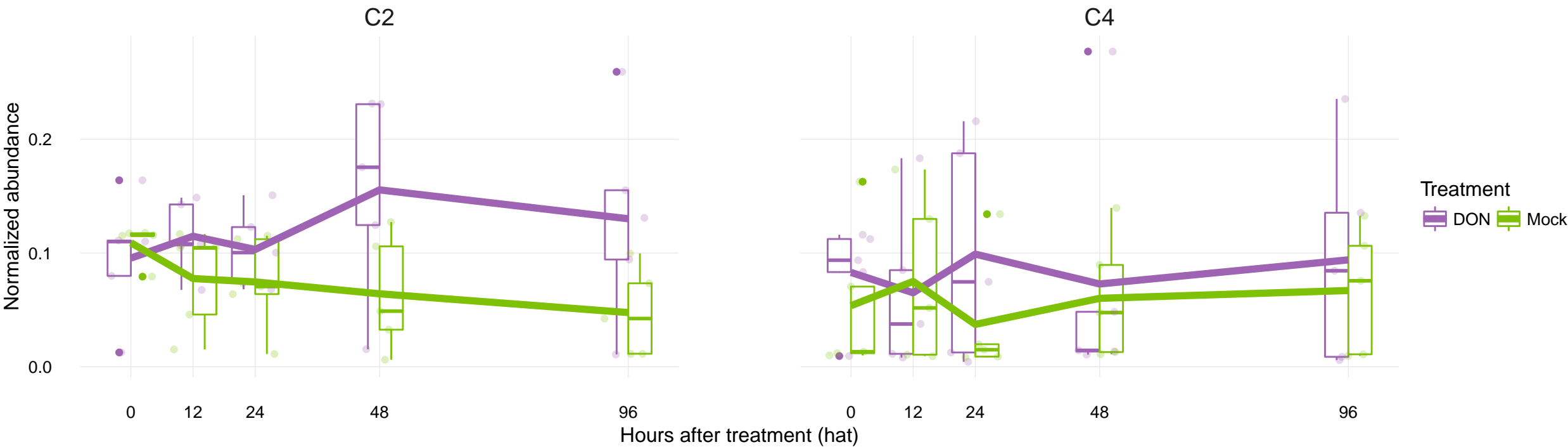


# A.103

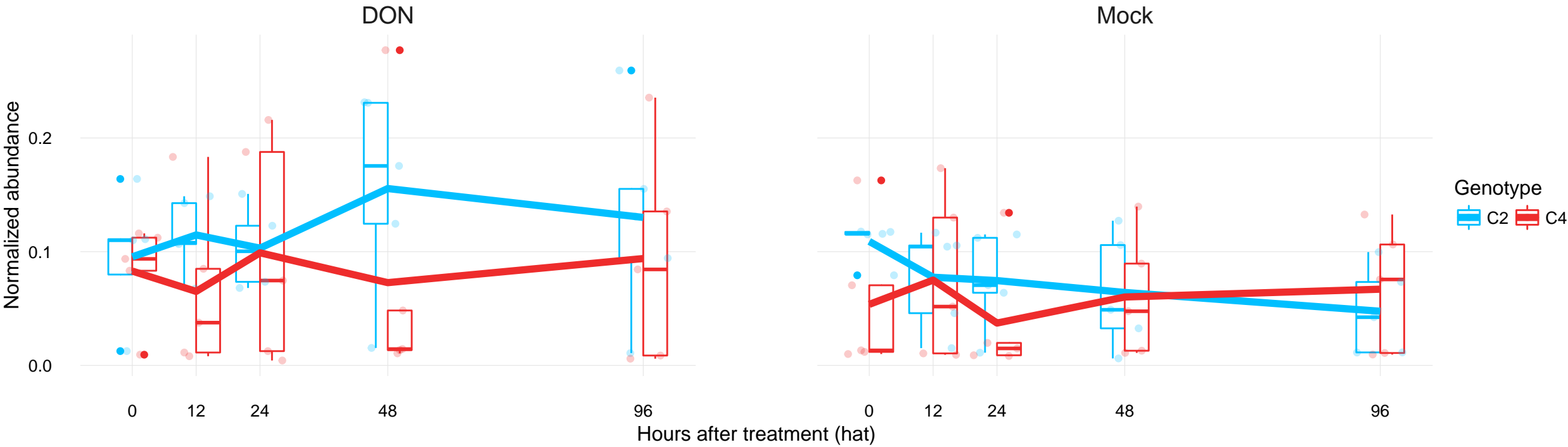
Annotated as Flavonoid, Lignan or HCA derivative  
(15 database hits)

MZ	359.1491
RT	16.85 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	20 / 9

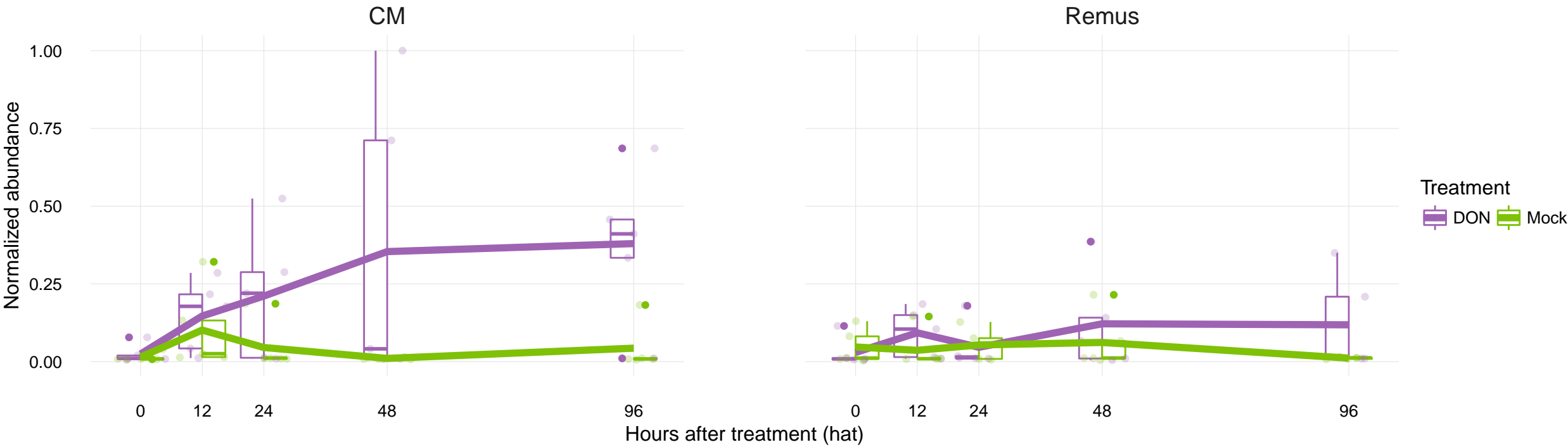
## C2, C4; different treatments



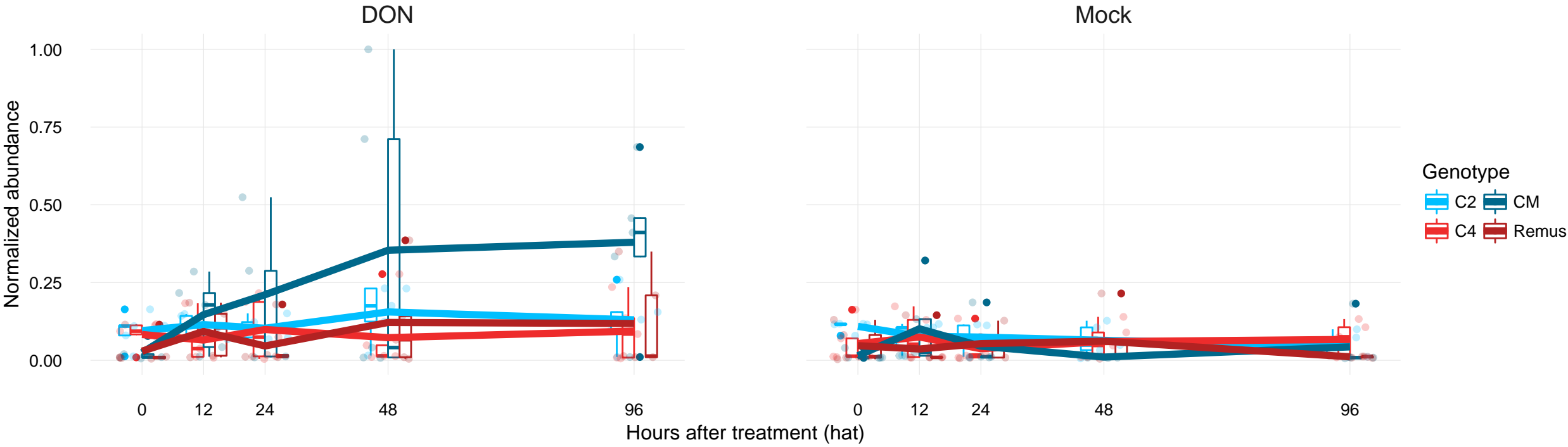
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

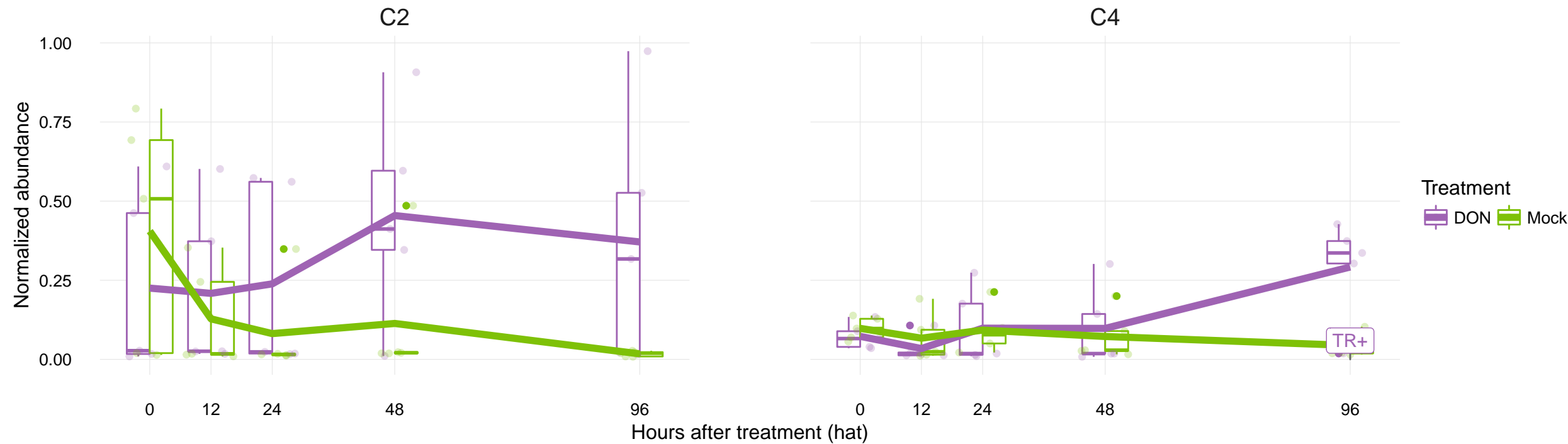


# A.18

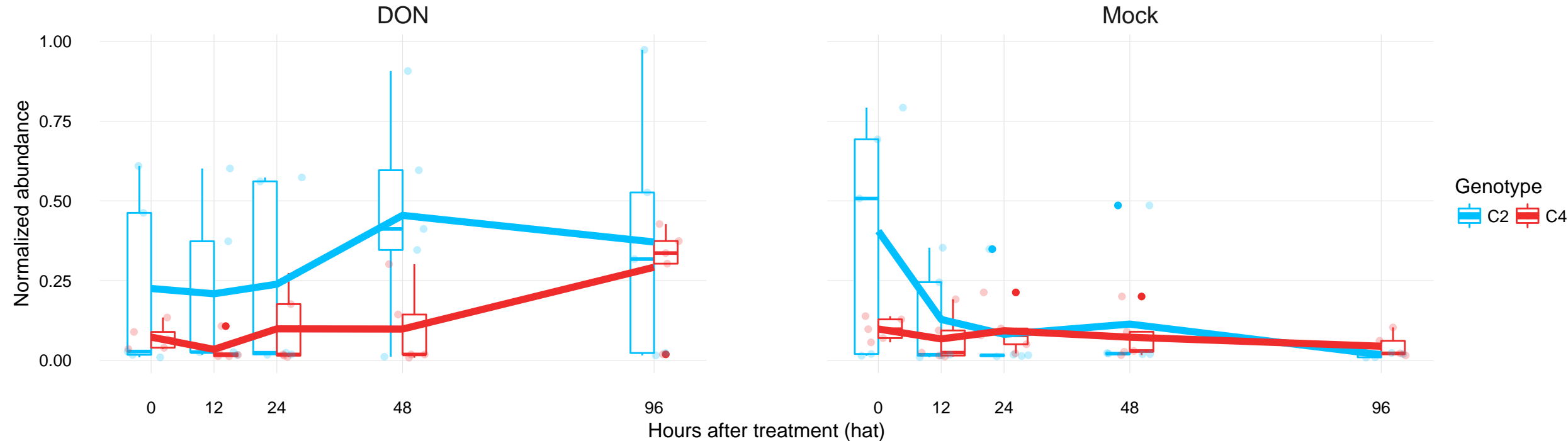
Annotated as others  
(1 database hit)

MZ	153.0545
RT	7.3 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	8 /

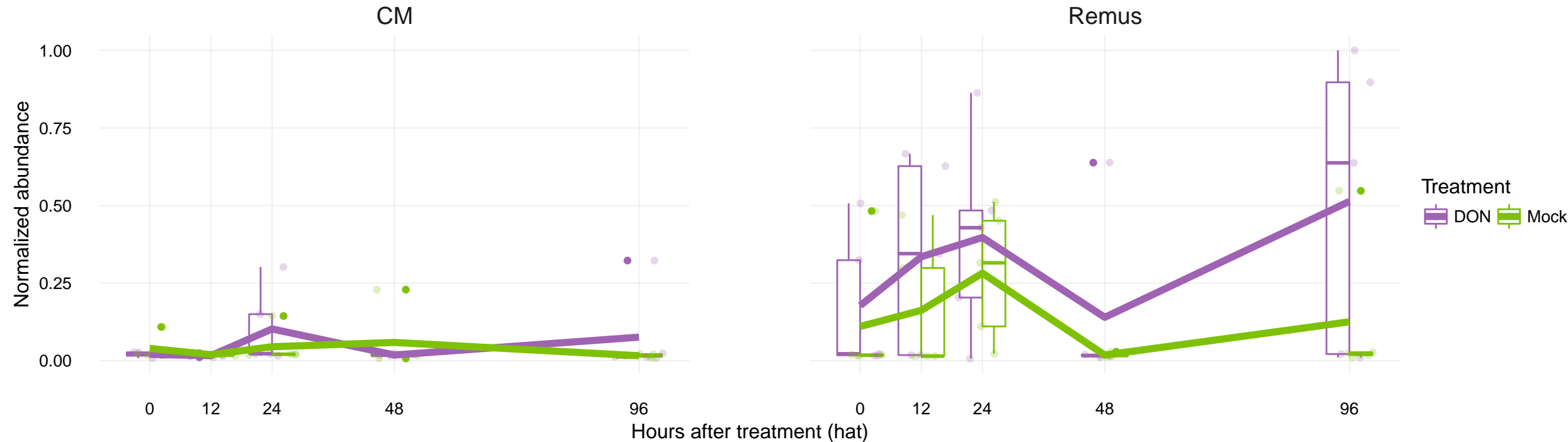
## C2, C4; different treatments



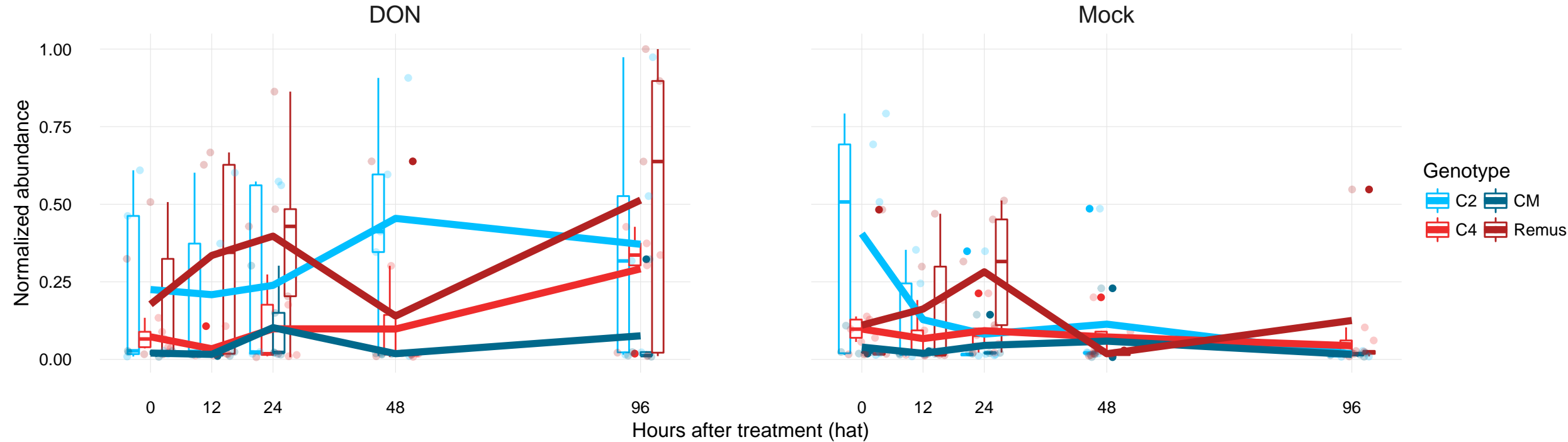
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



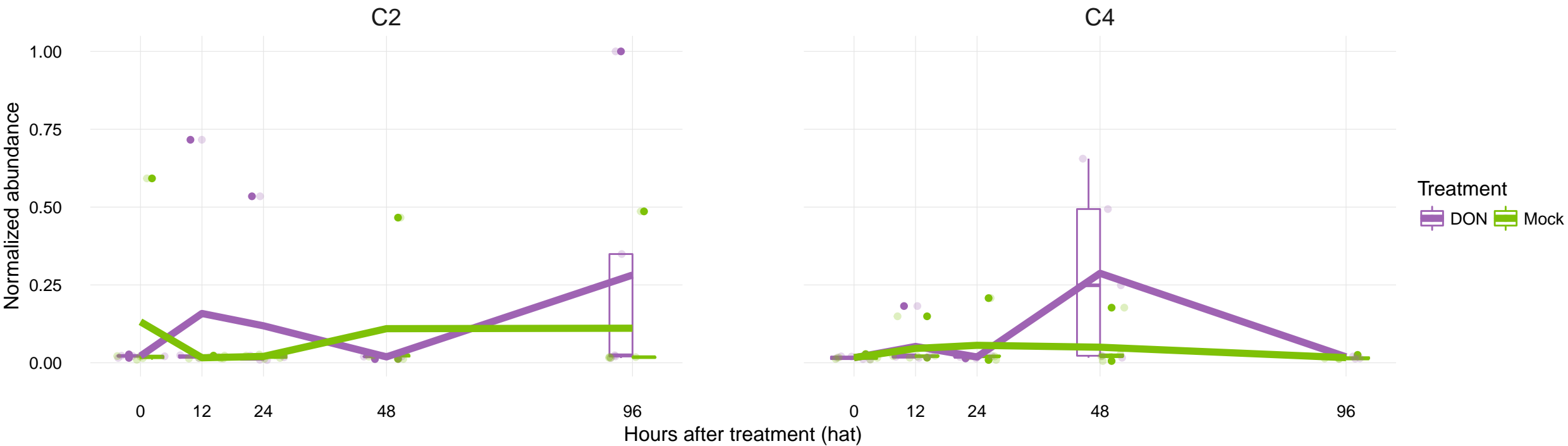


A.72

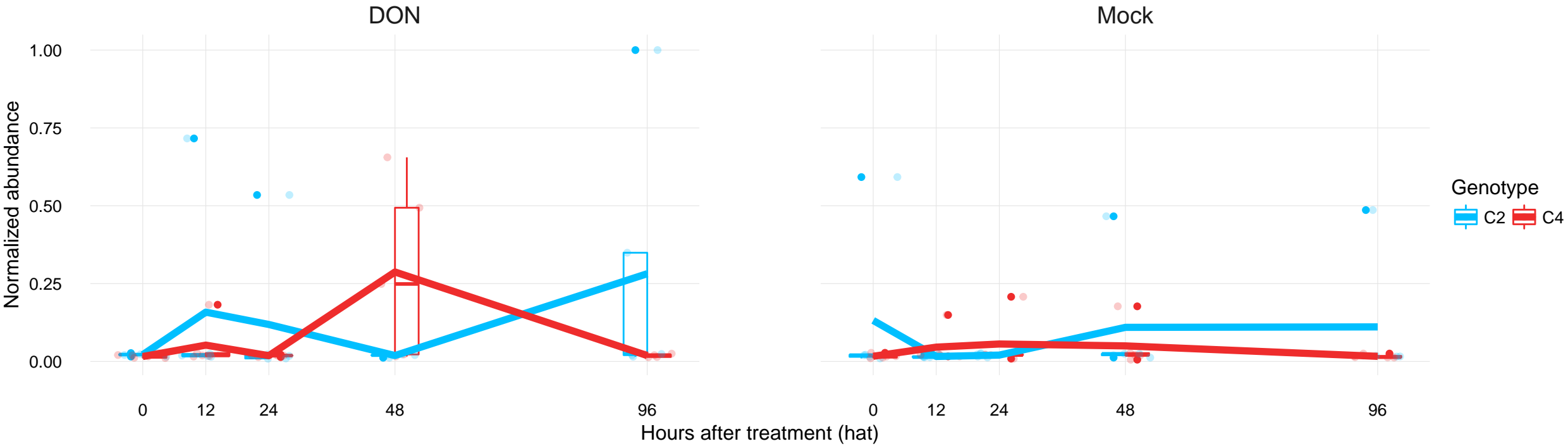
Annotated as Lignan  
(1 database hit)

MZ	551.2125
RT	13.8 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	27 /

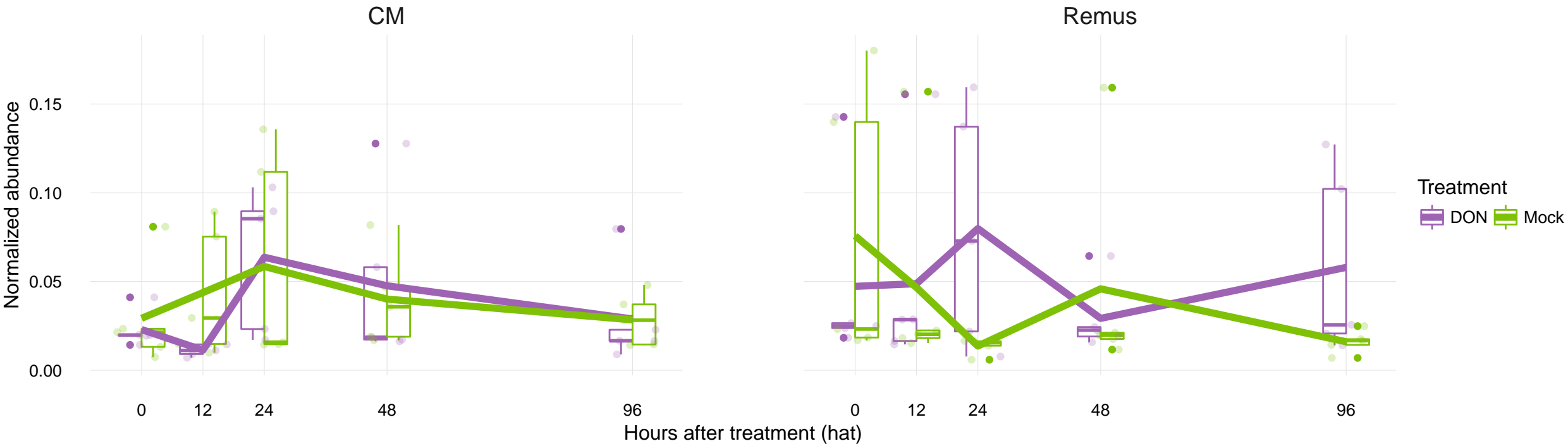
C2, C4; different treatments



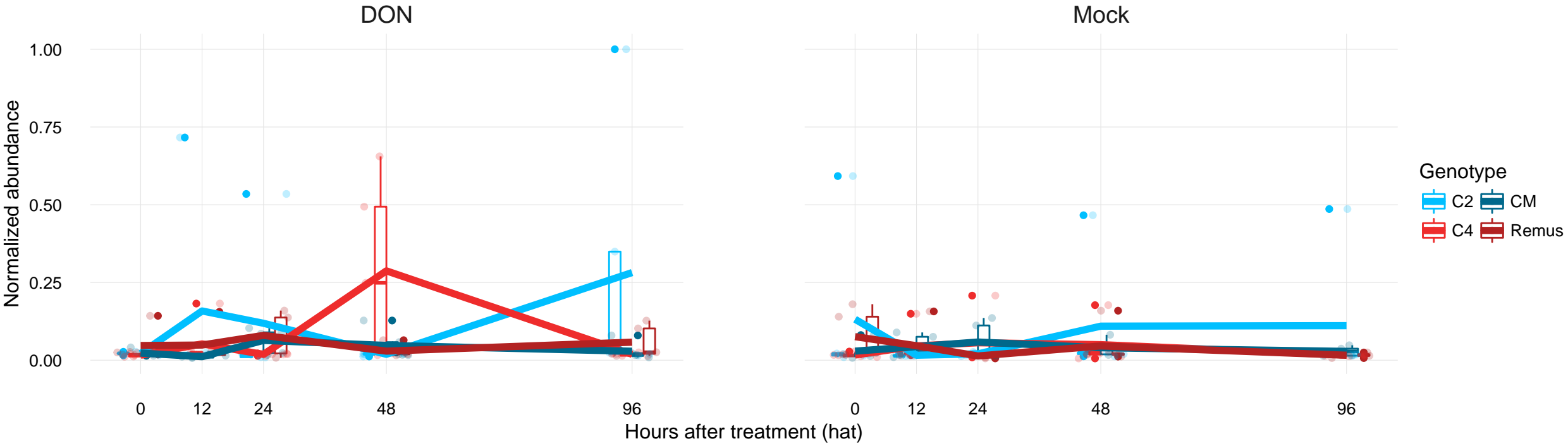
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

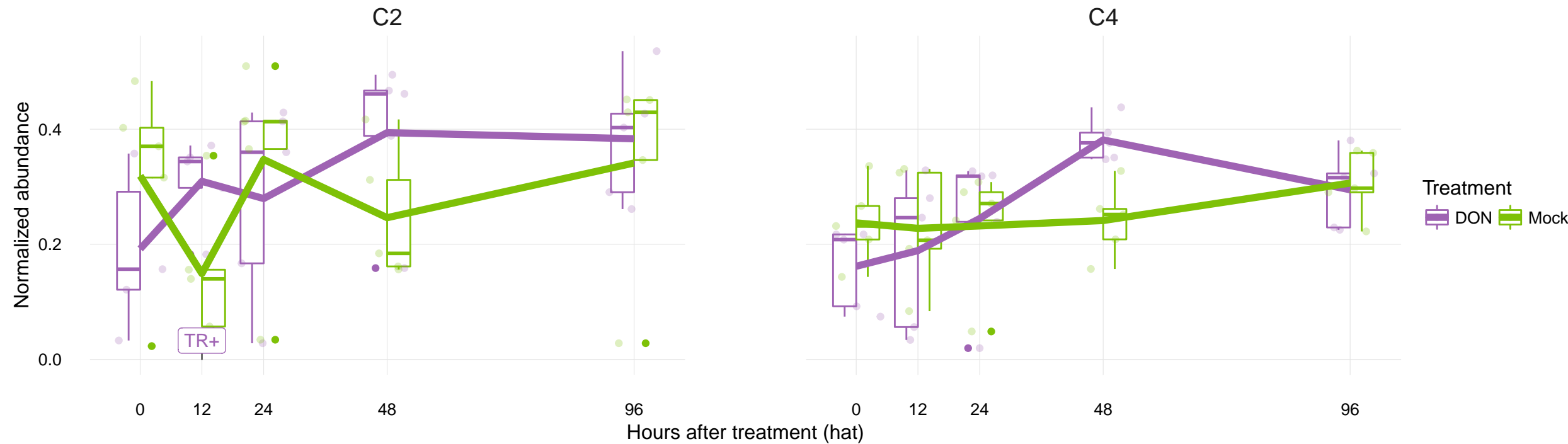


# A.113

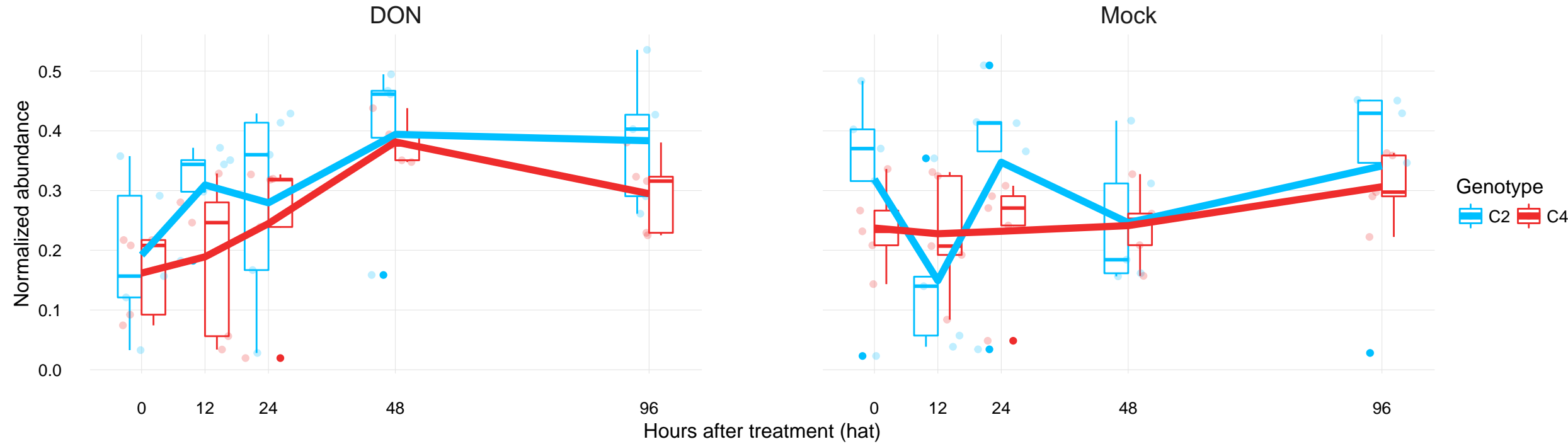
Annotated as others  
(1 database hit)

MZ	125.0596
RT	18 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	7 /

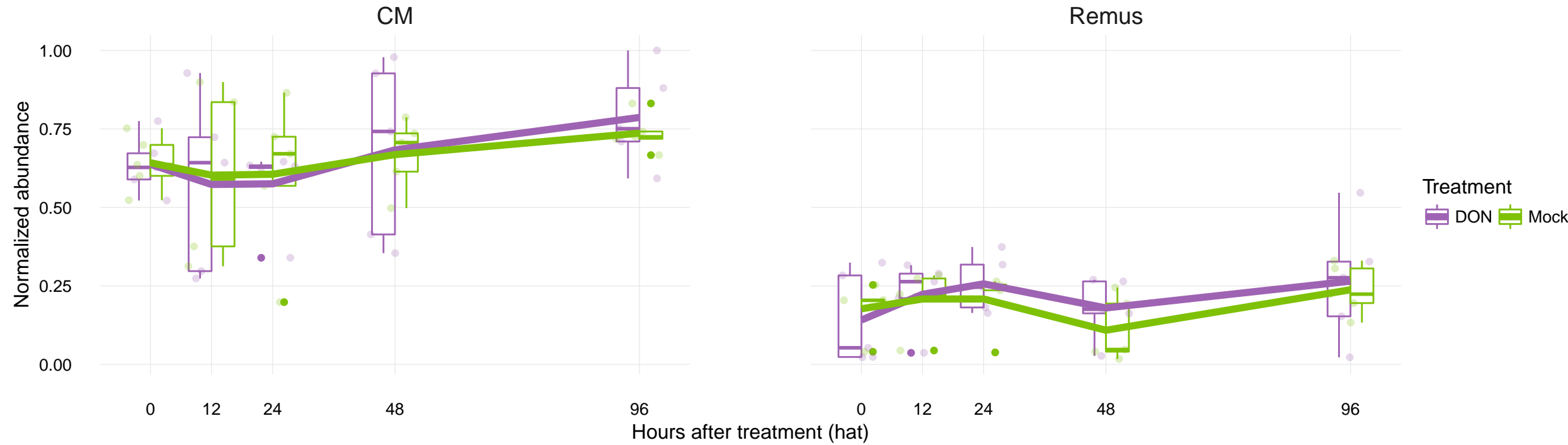
## C2, C4; different treatments



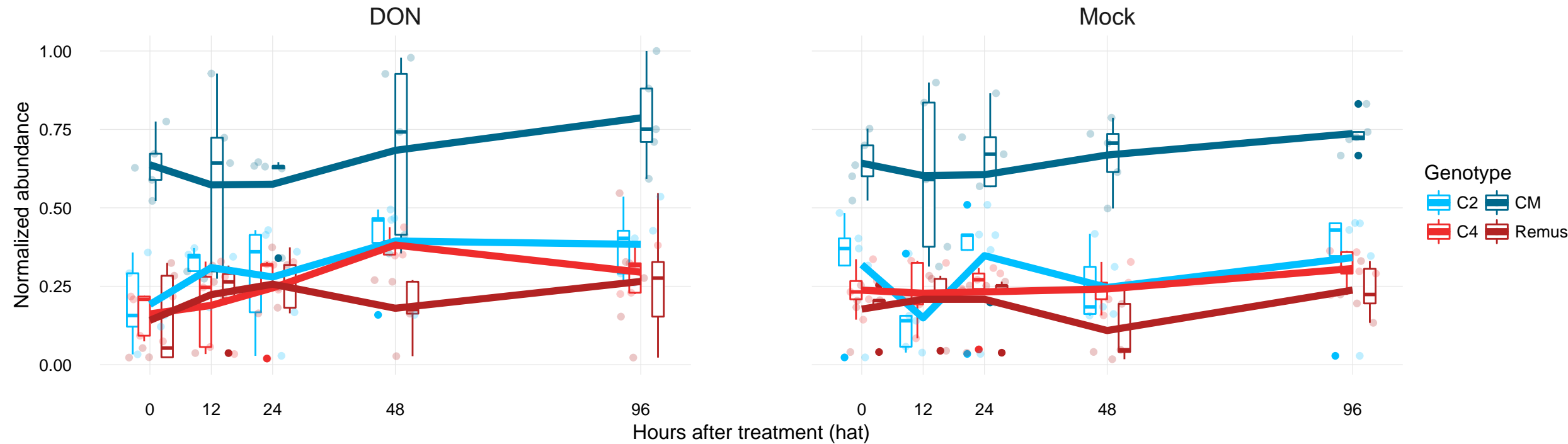
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

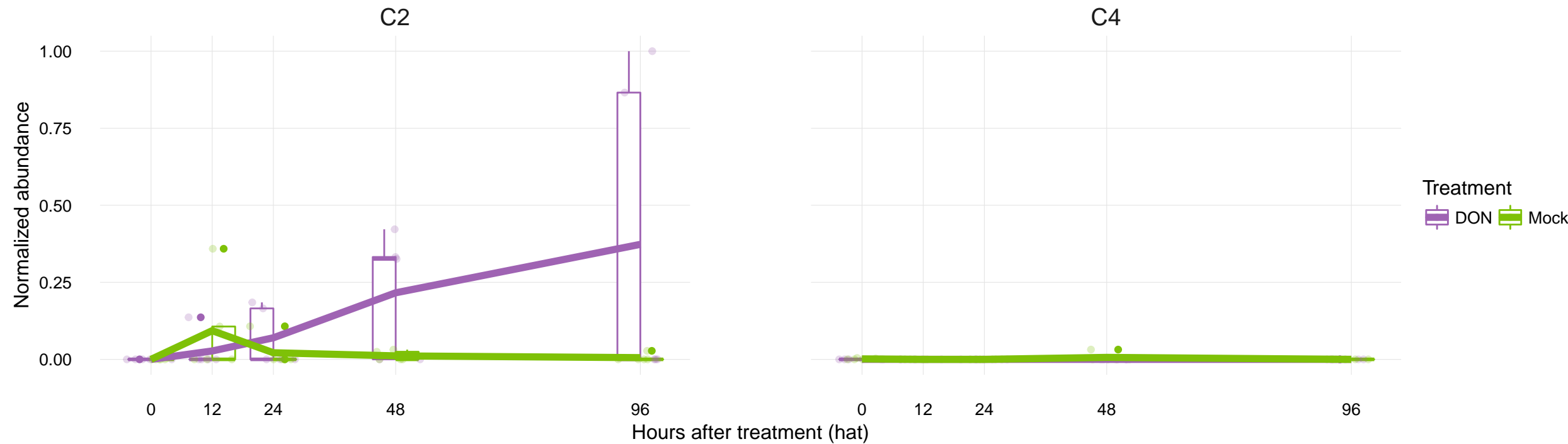


# A.34

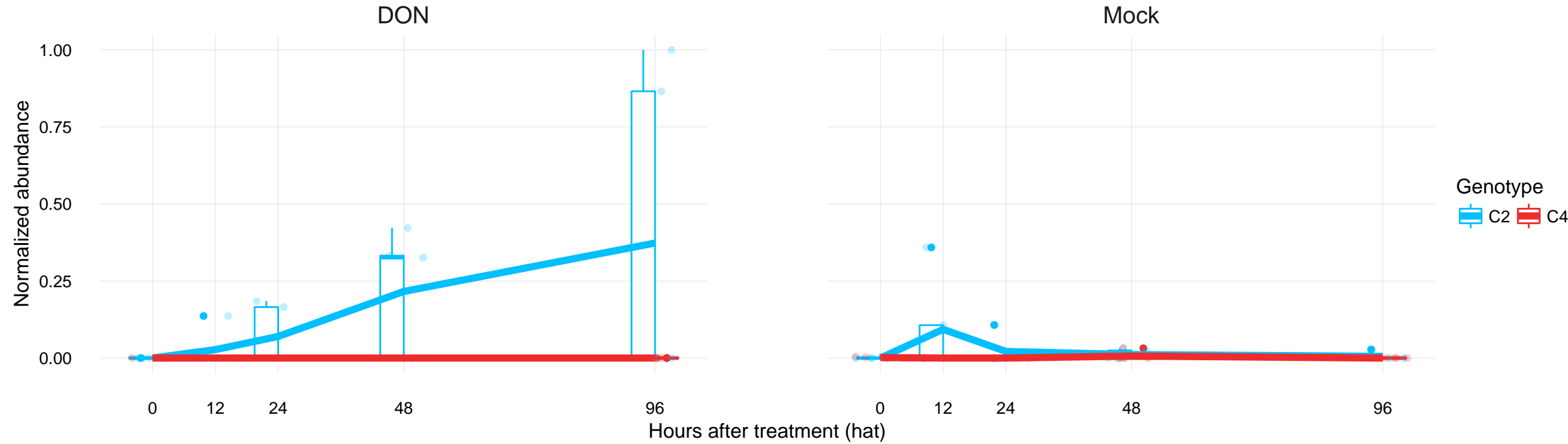
Annotated as HCAA  
(1 database hit)

MZ	277.1667
RT	9.95 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	9 / 9

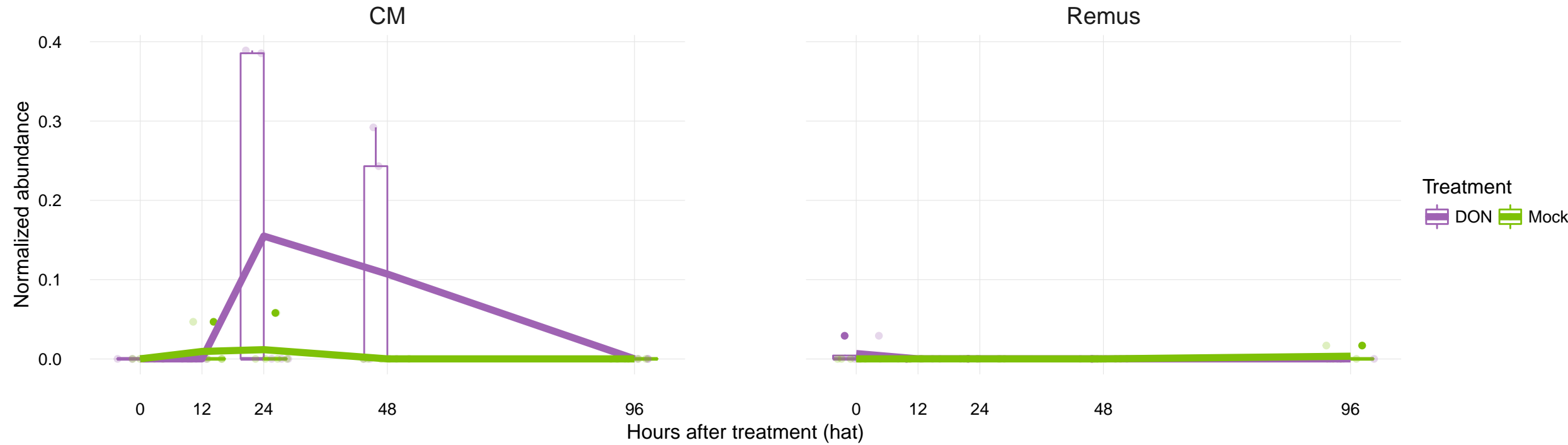
## C2, C4; different treatments



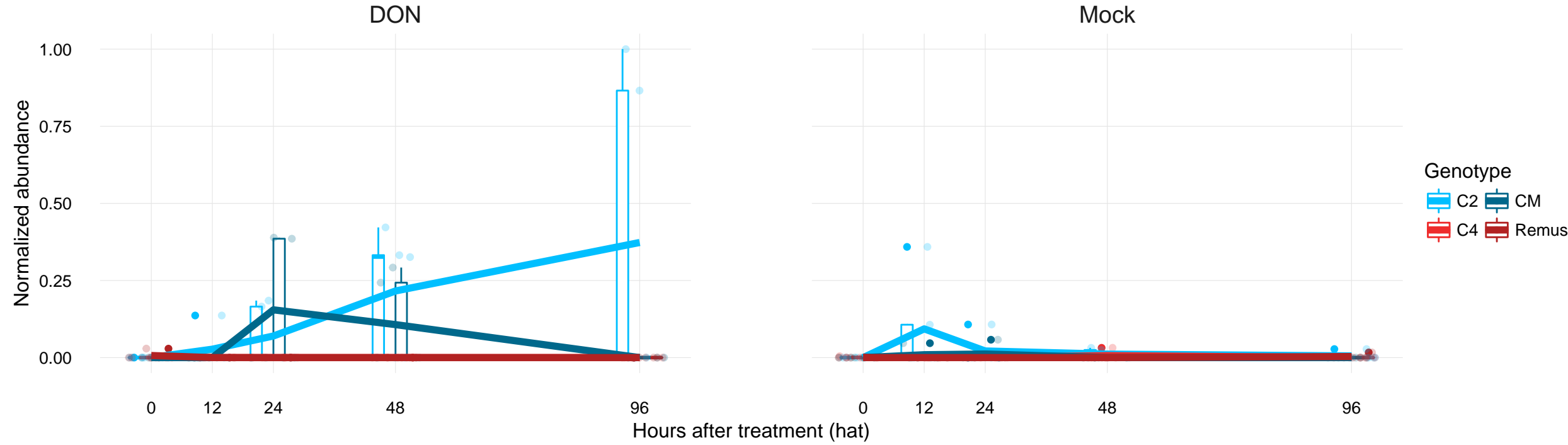
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

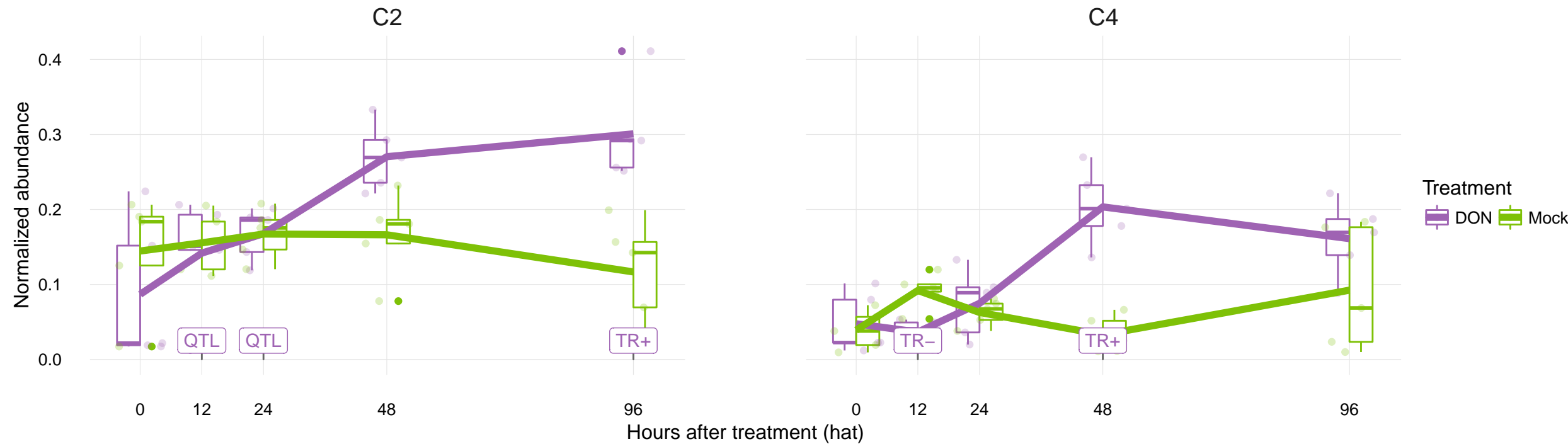


# A.126

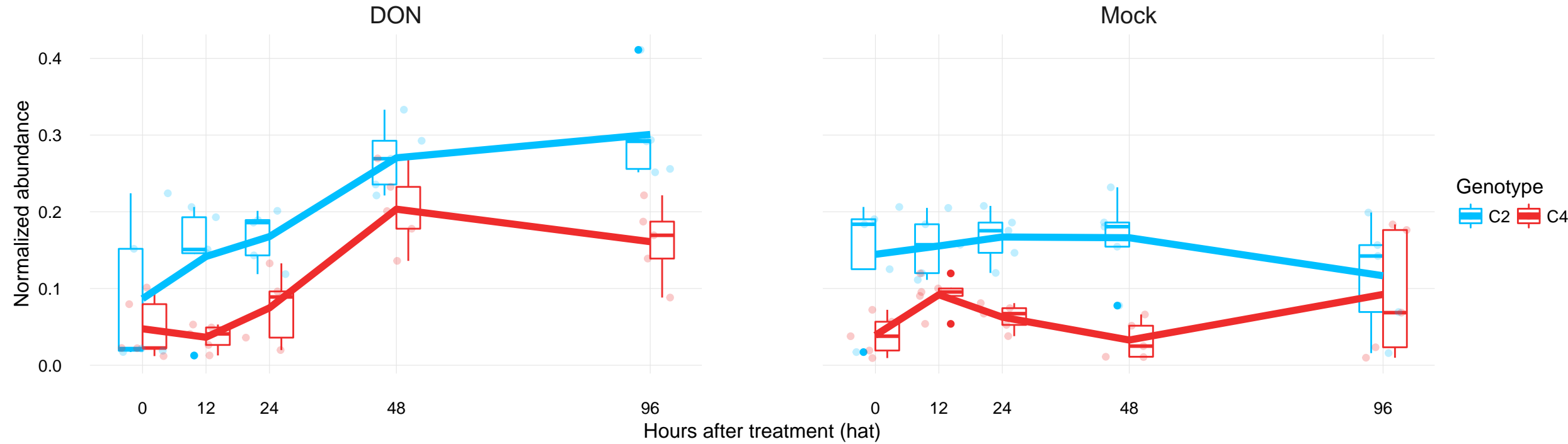
Annotated as Flavonoid (GlcF)  
(1 database hit)

MZ	557.1654
RT	20.5 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	28 /

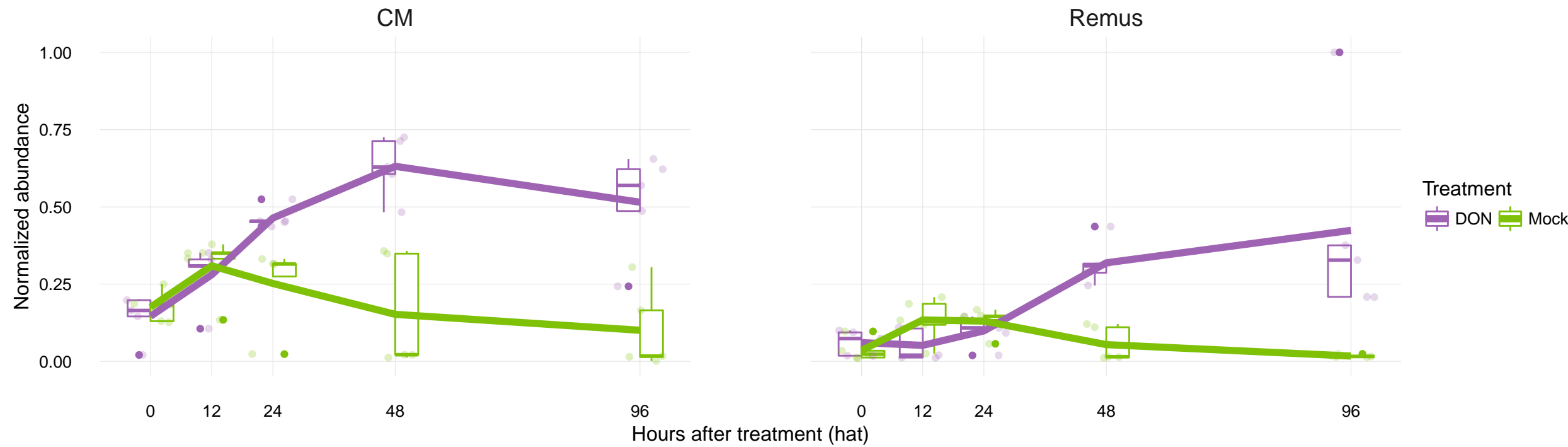
## C2, C4; different treatments



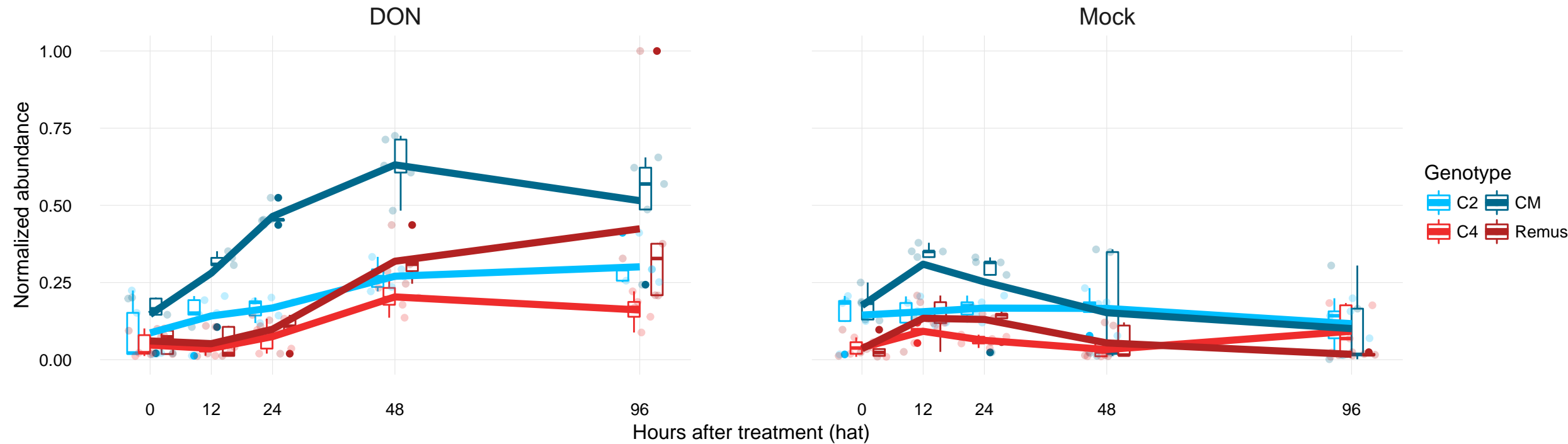
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

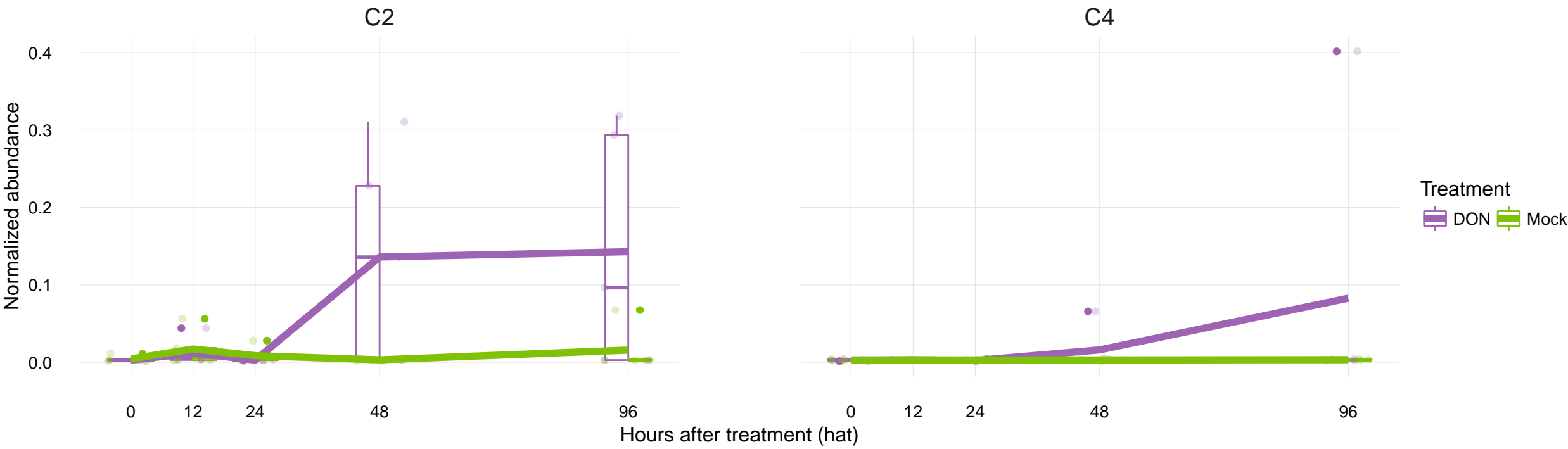


# A.8

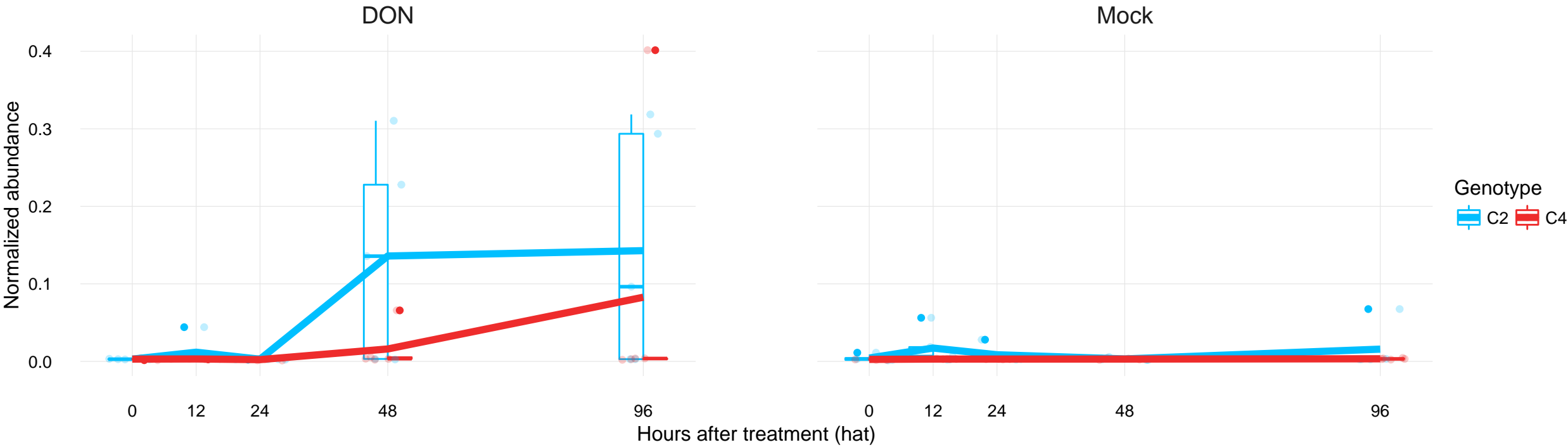
Annotated as Putative phenylacetic acid derivative  
(1 database hit)

MZ	122.0965
RT	5.11 min
Normalization	Not normalized
Cluster	–
Cn total / Phe	8 / 8

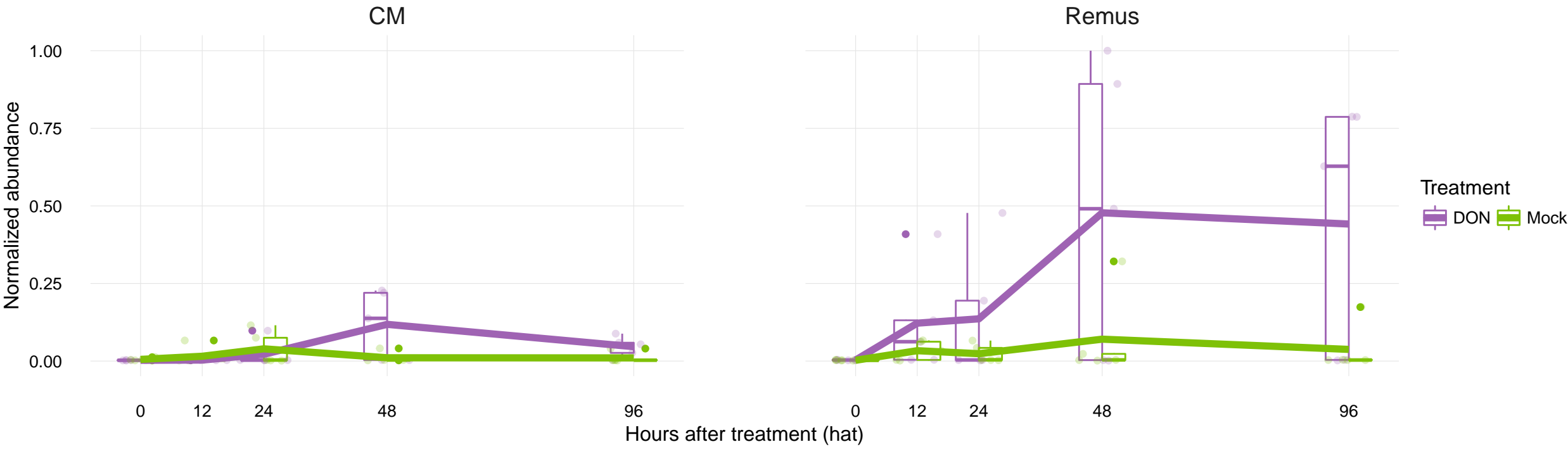
## C2, C4; different treatments



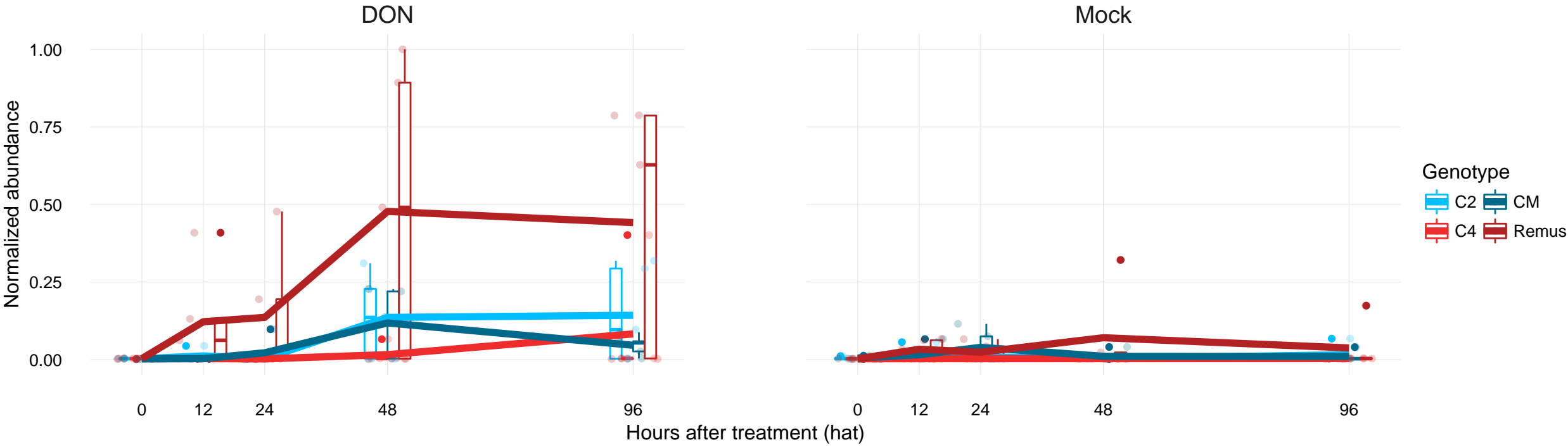
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

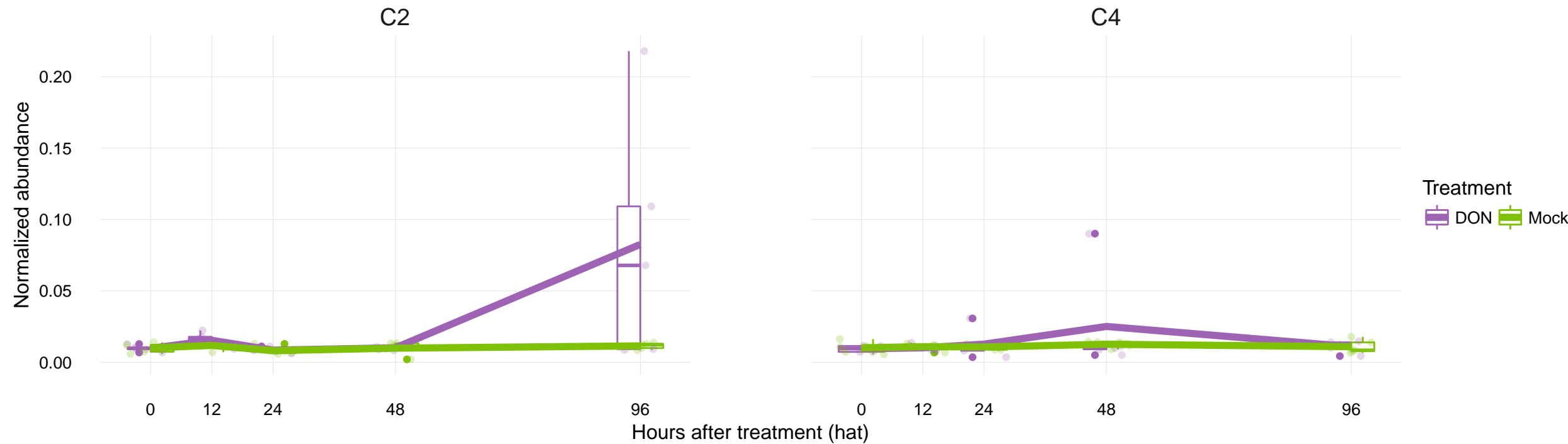


# A.100

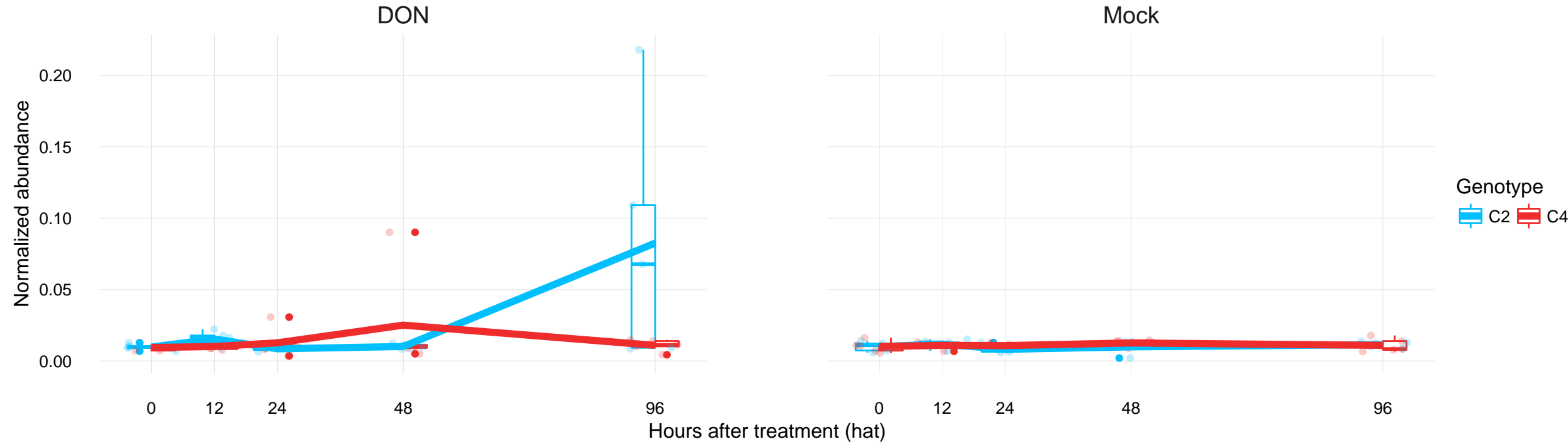
Annotated as Flavonoid  
(21 database hits)

MZ	371.149
RT	16.65 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	21 /

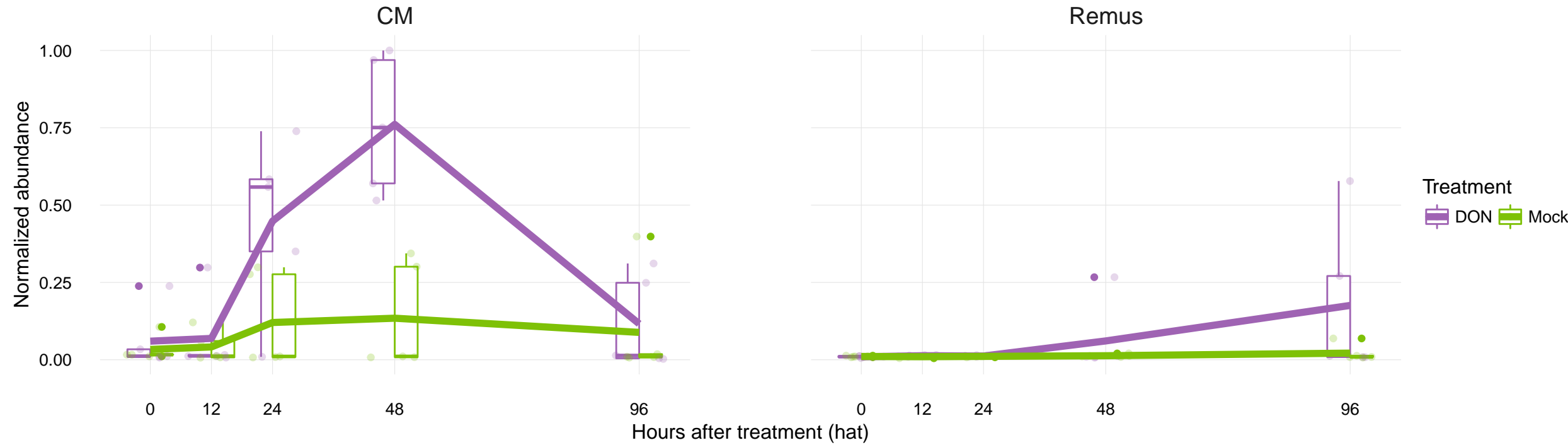
## C2, C4; different treatments



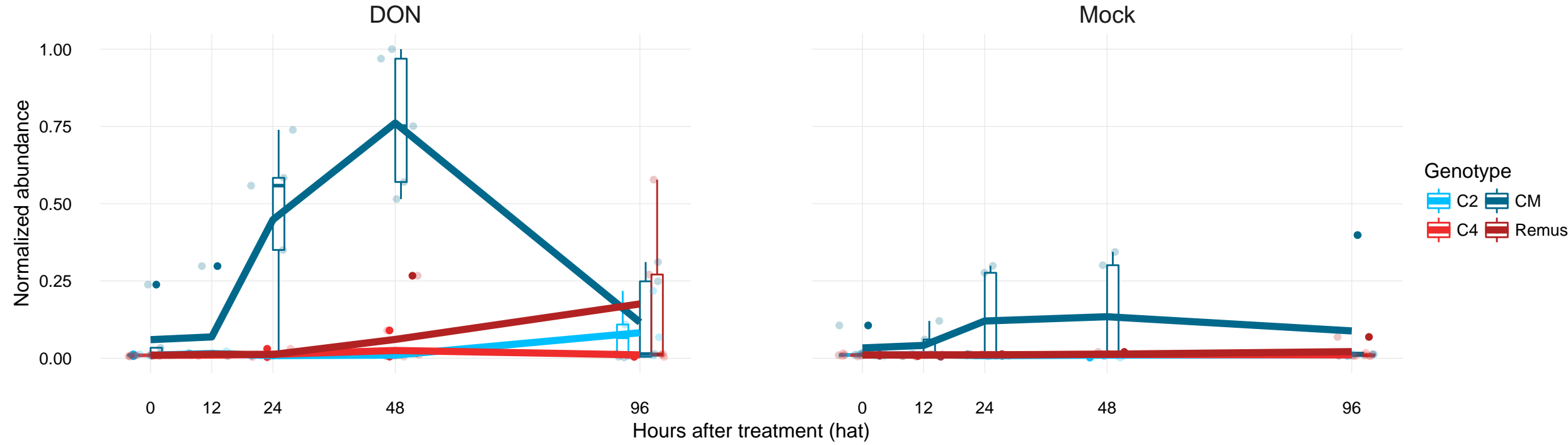
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

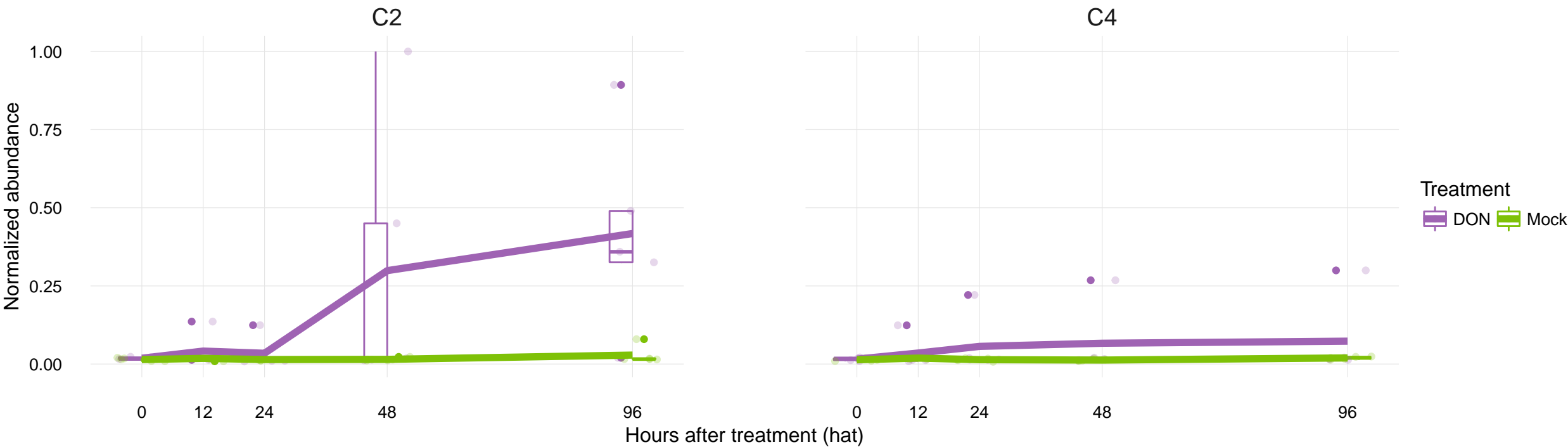


# A.71

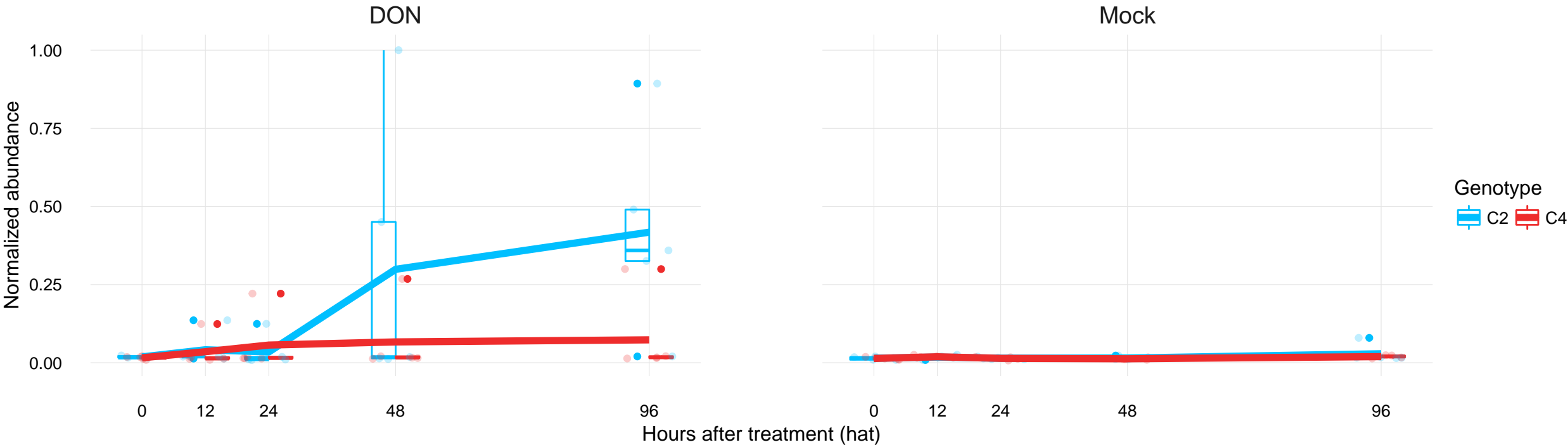
Annotated as Flavonoid, Lignan or HCA derivative  
(15 database hits)

MZ	359.1492
RT	13.64 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	20 / 9

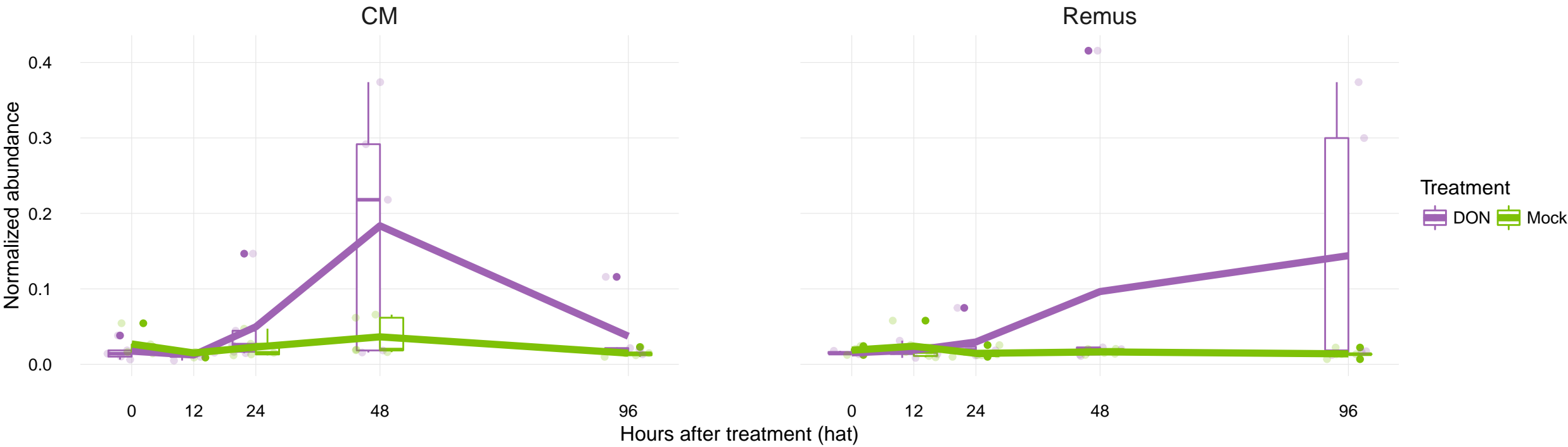
## C2, C4; different treatments



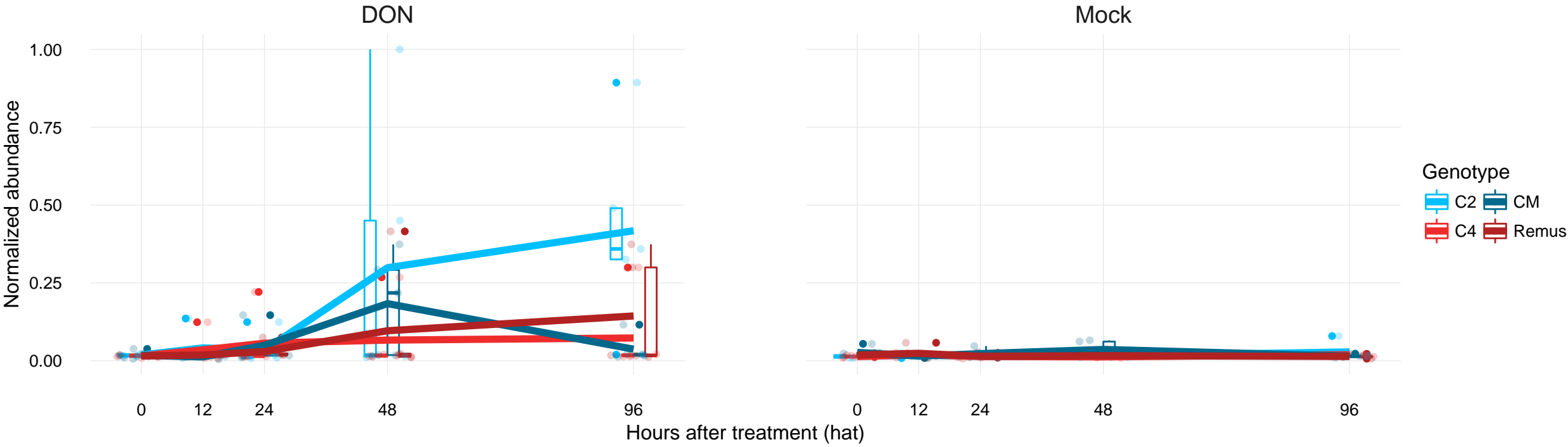
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



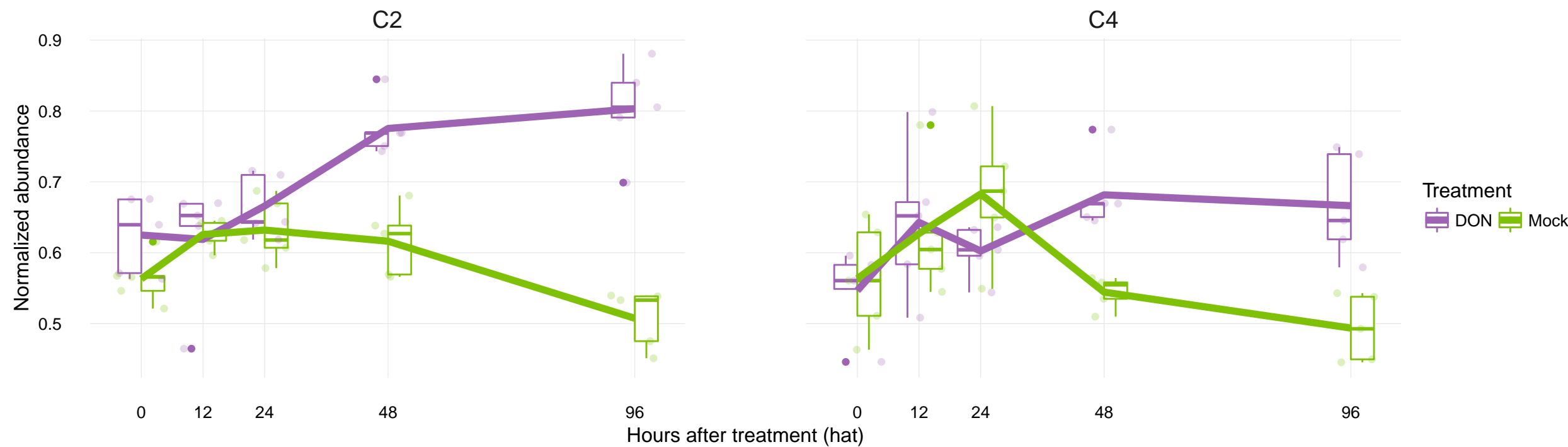


# A.121

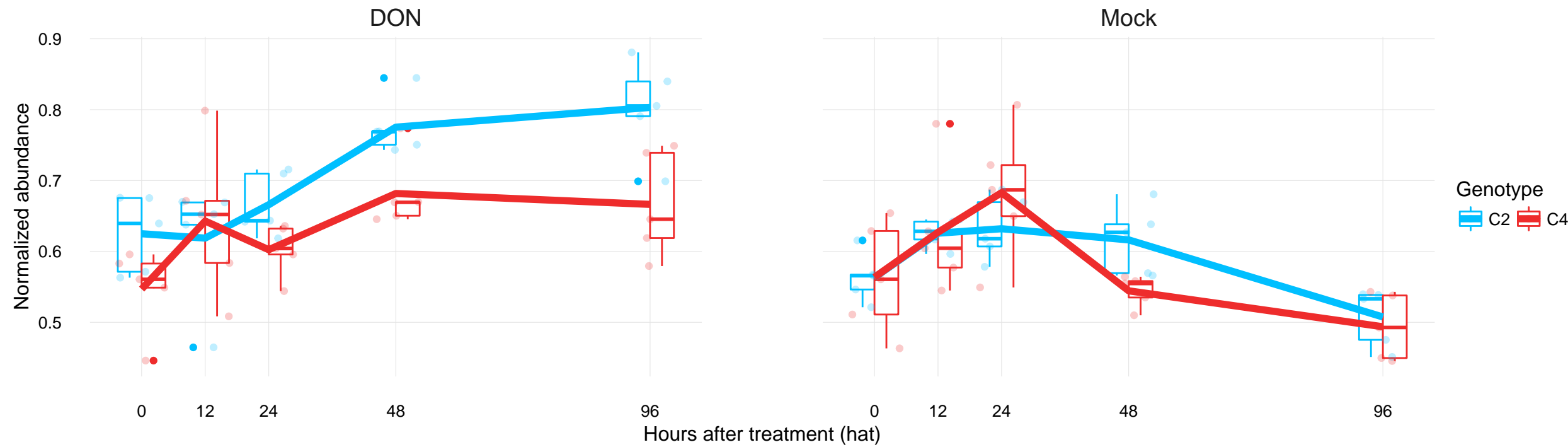
Annotated as Flavonoid (GlcF)  
(17 database hits)

MZ	773.1922
RT	19.63 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	36 /

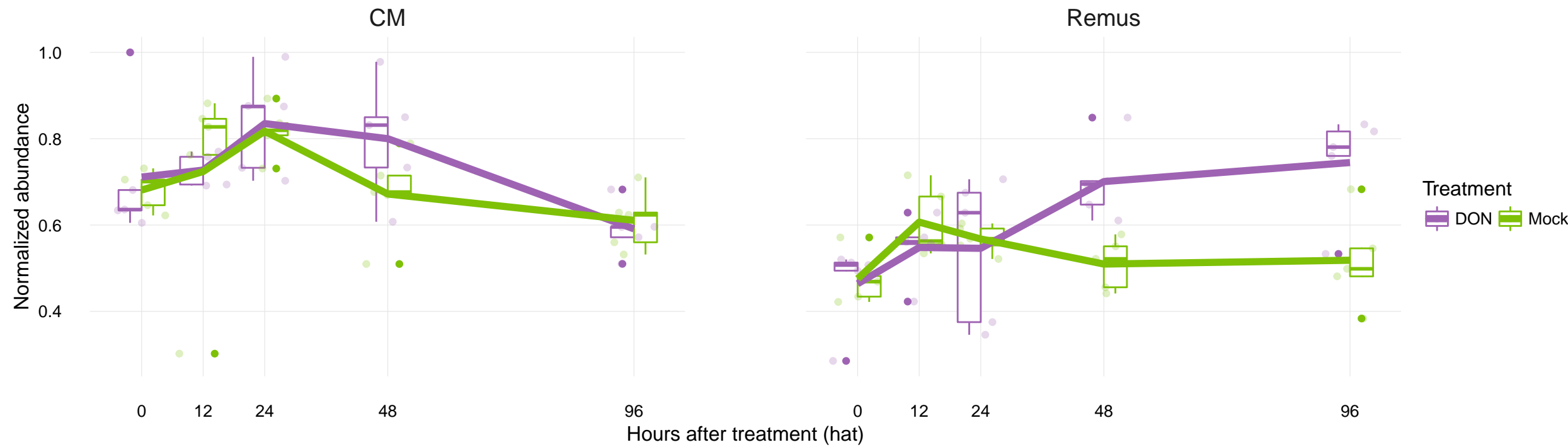
## C2, C4; different treatments



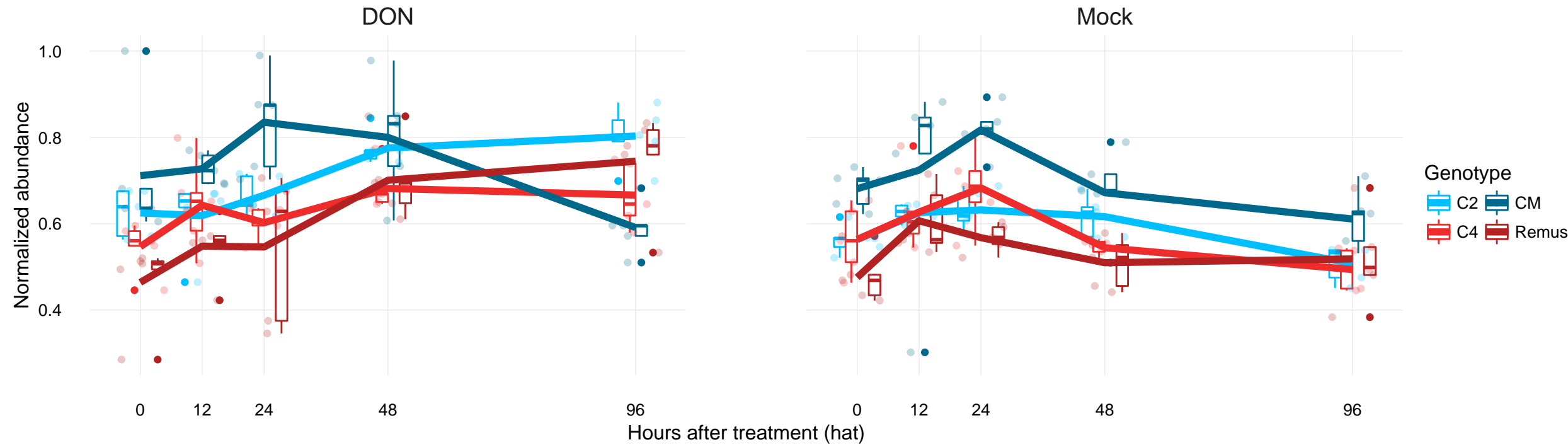
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

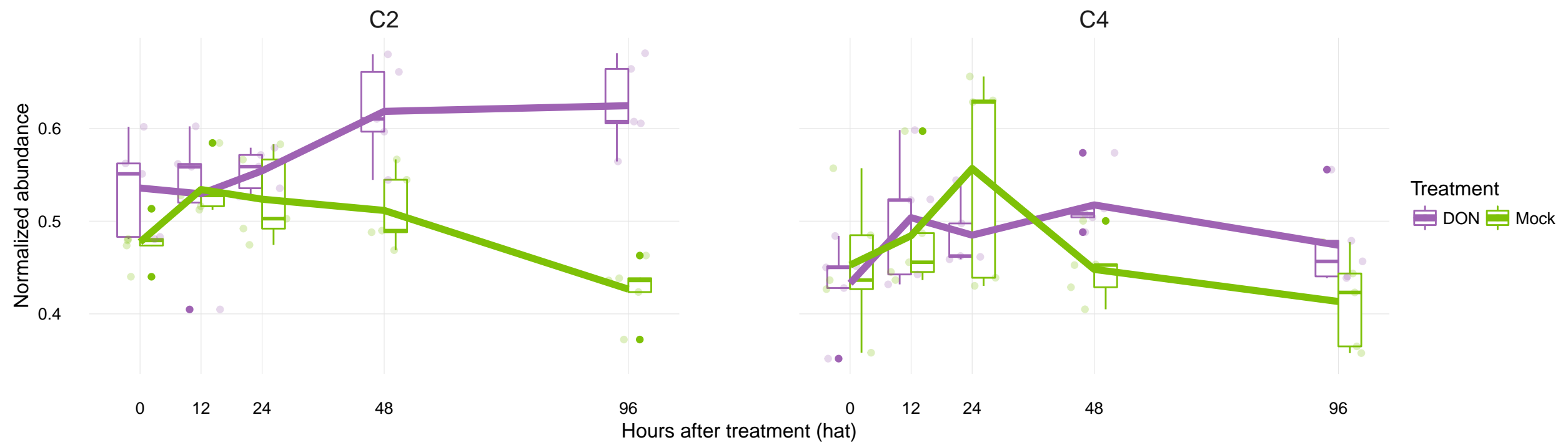


# U.12

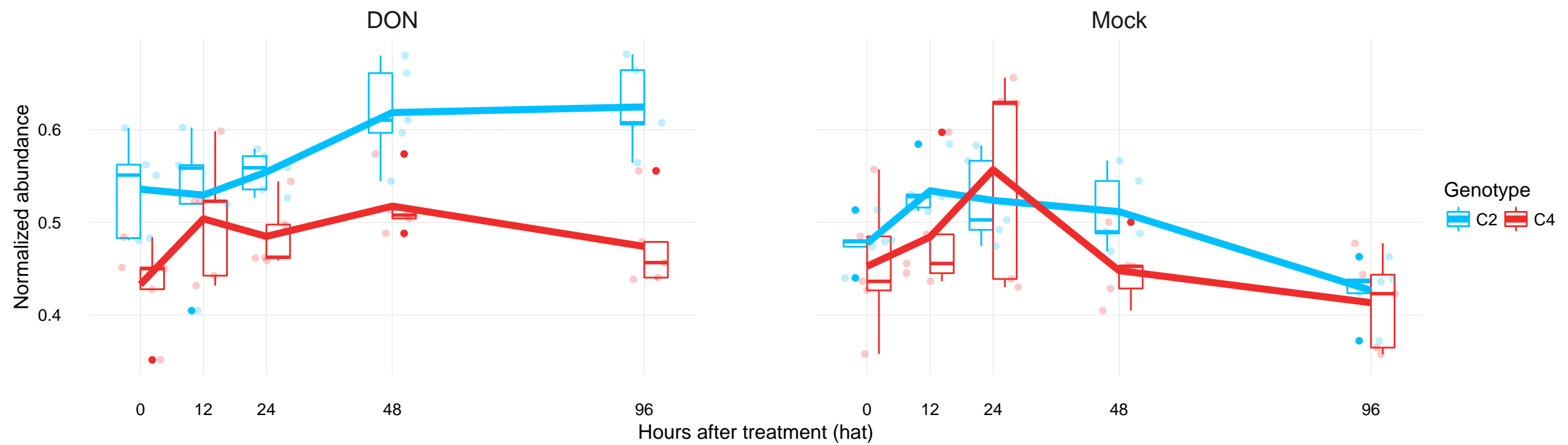
Unknown Phe-derived wheat-metabolite

MZ	579.1345
RT	18.66 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	26 / 18

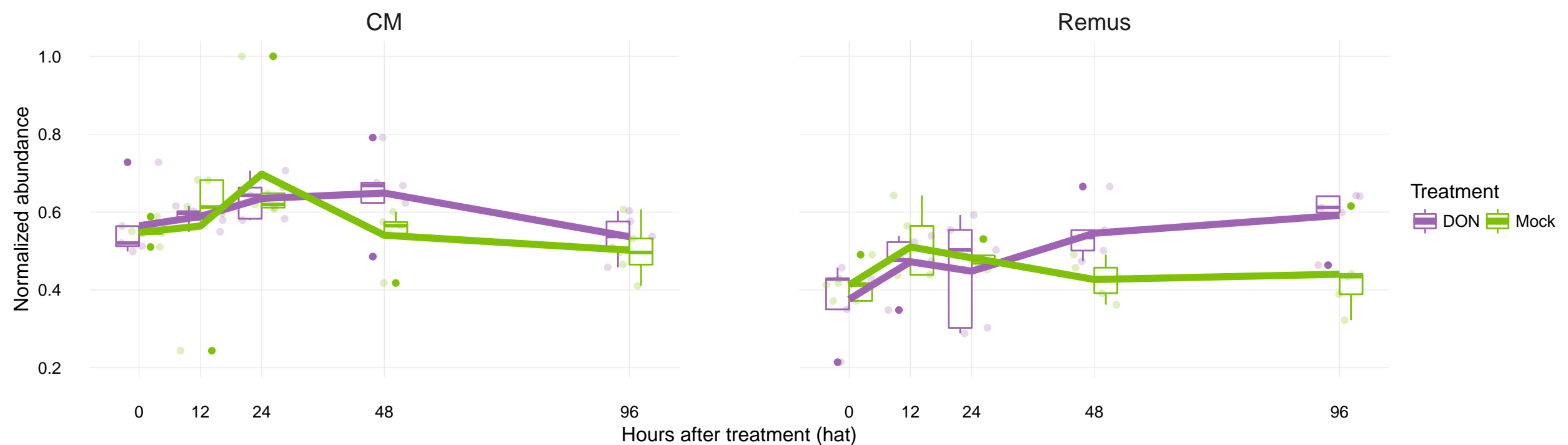
## C2, C4; different treatments



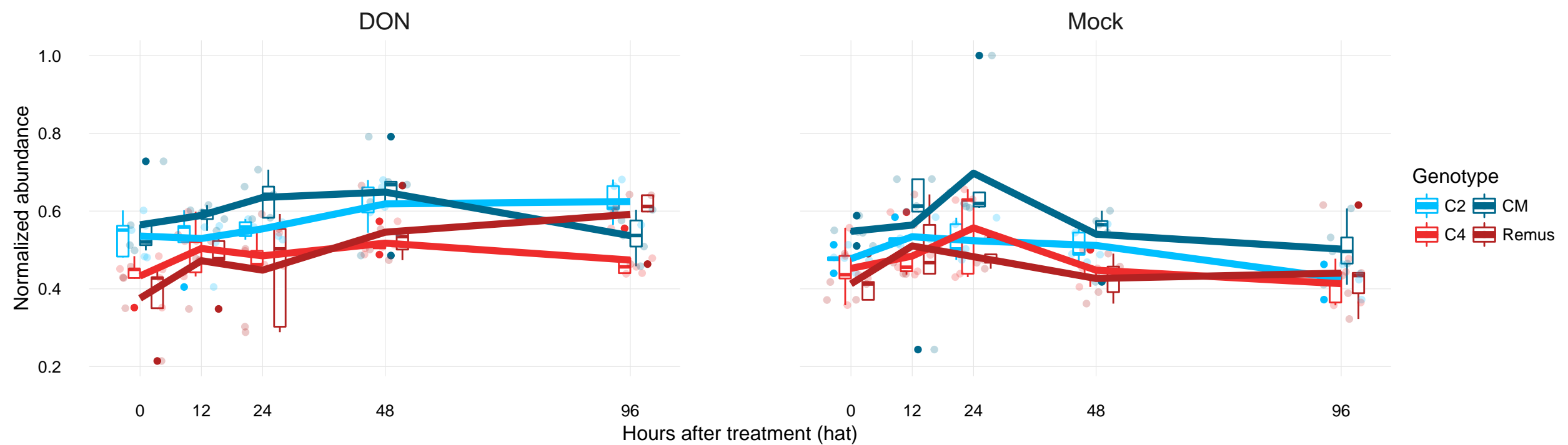
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

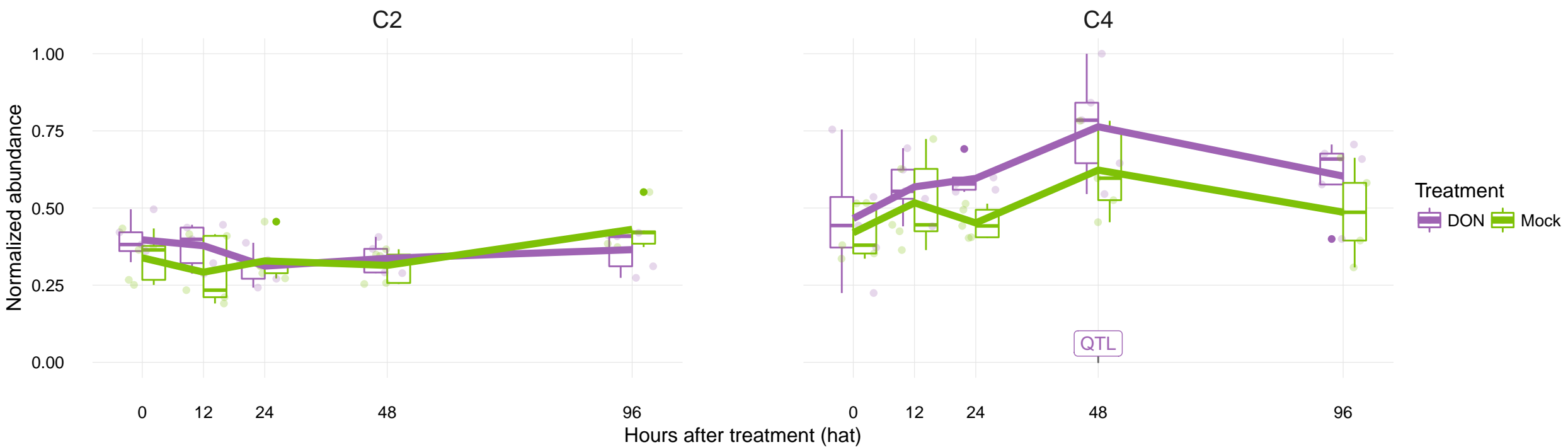


# A.120

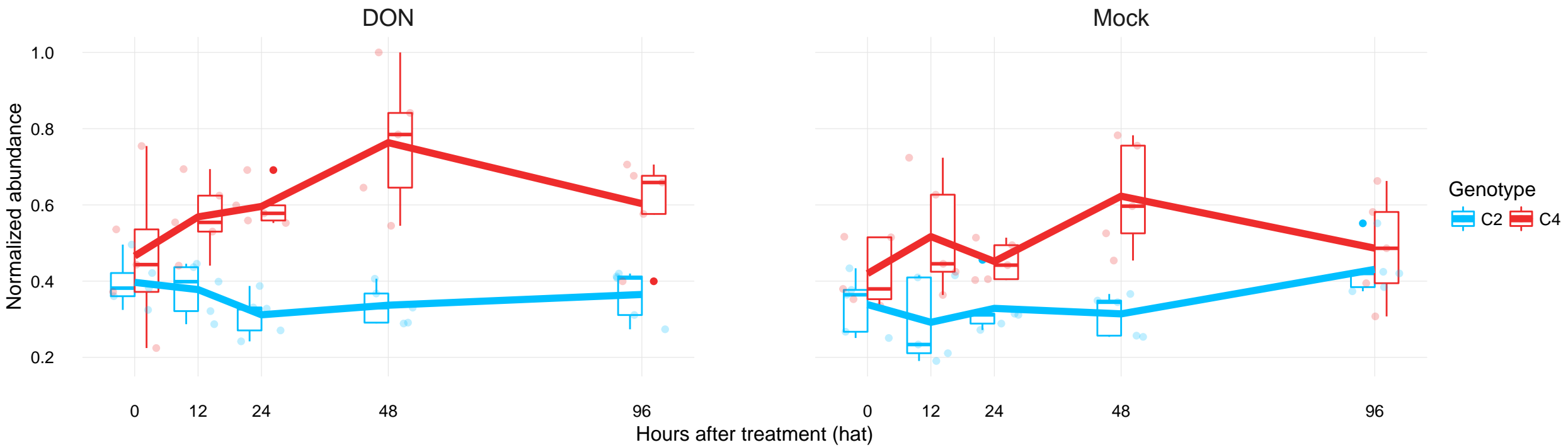
Annotated as Flavonoid (GlcF)  
(17 database hits)

MZ	507.1498
RT	19.45 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	24 /

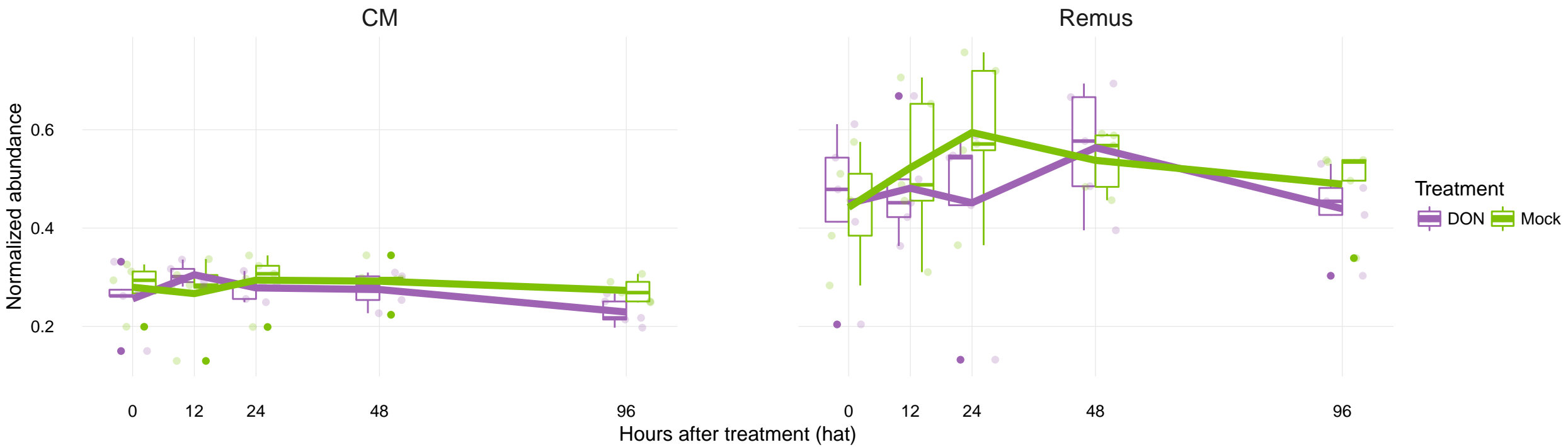
## C2, C4; different treatments



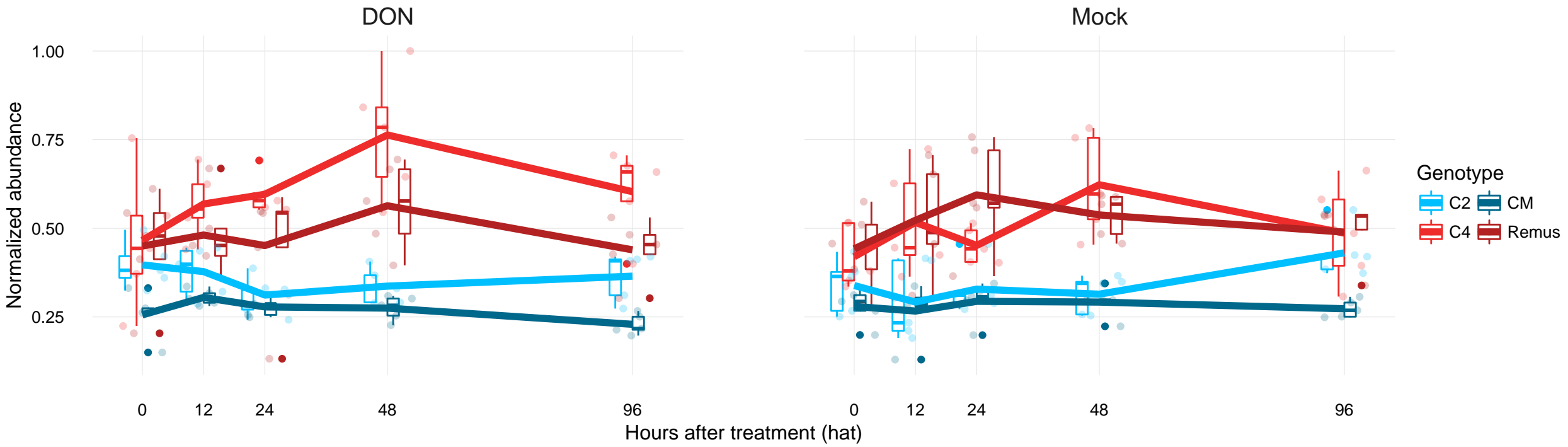
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

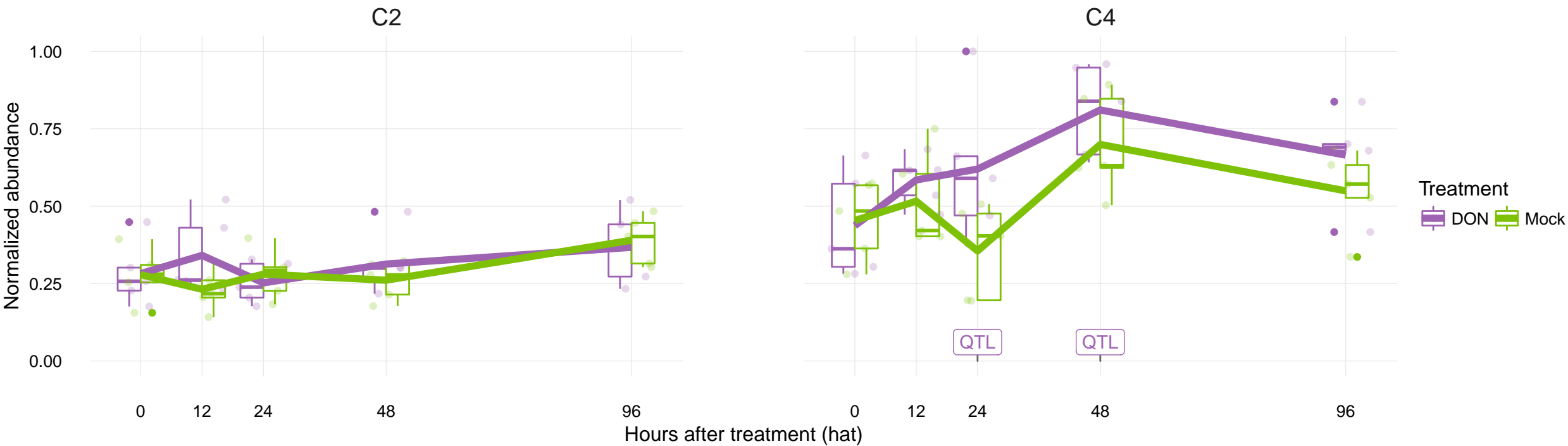


# Vitexin

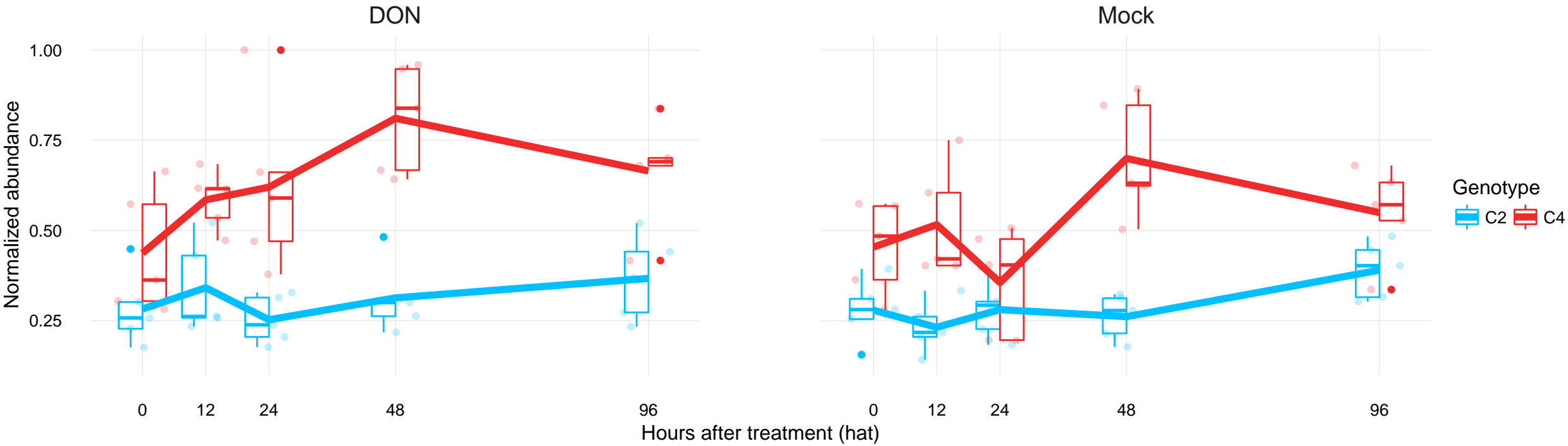
Identified metabolite (level 1)

MZ	433.1131
RT	14.63 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	21 /

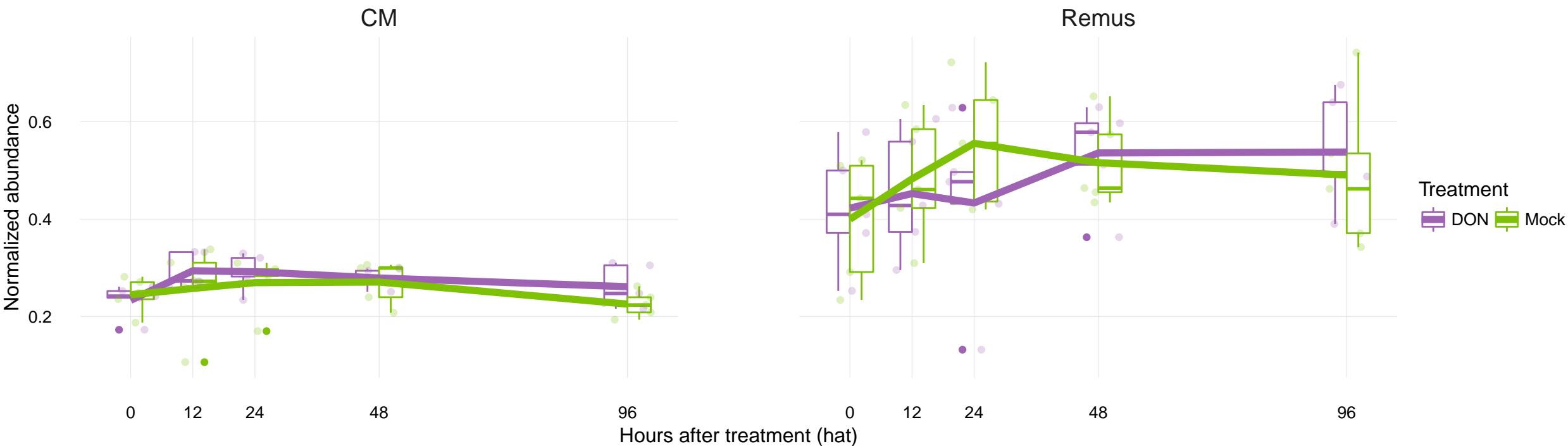
C2, C4; different treatments



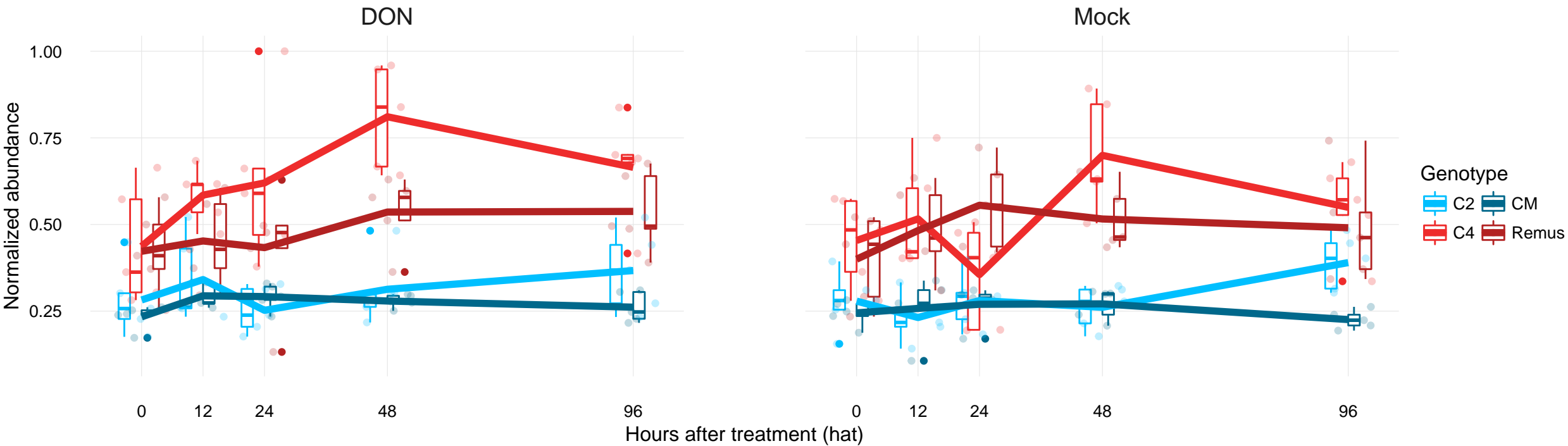
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

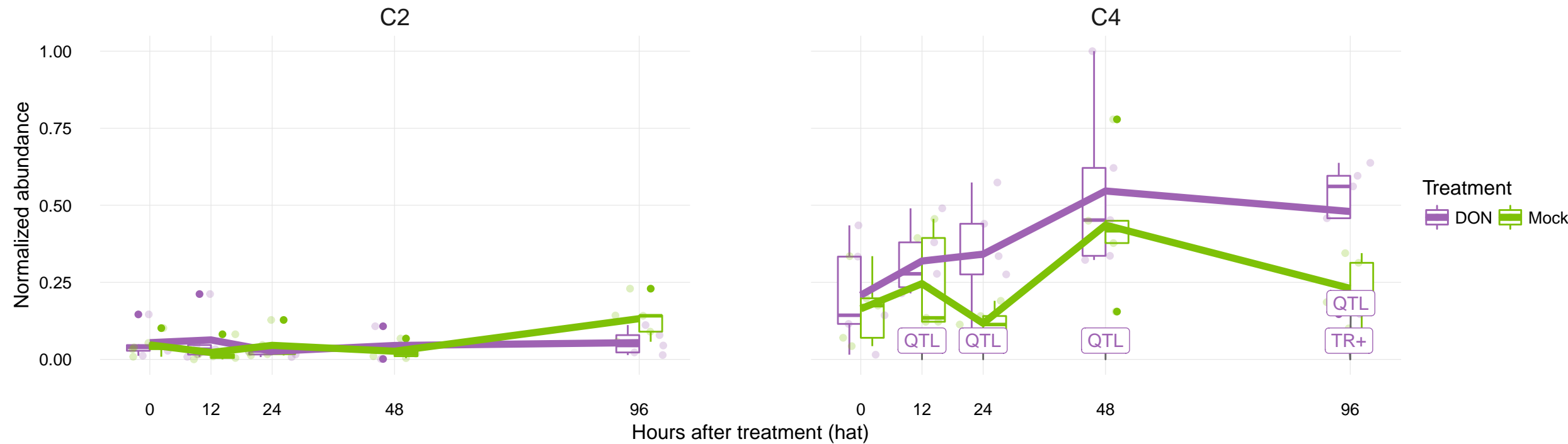


A.92

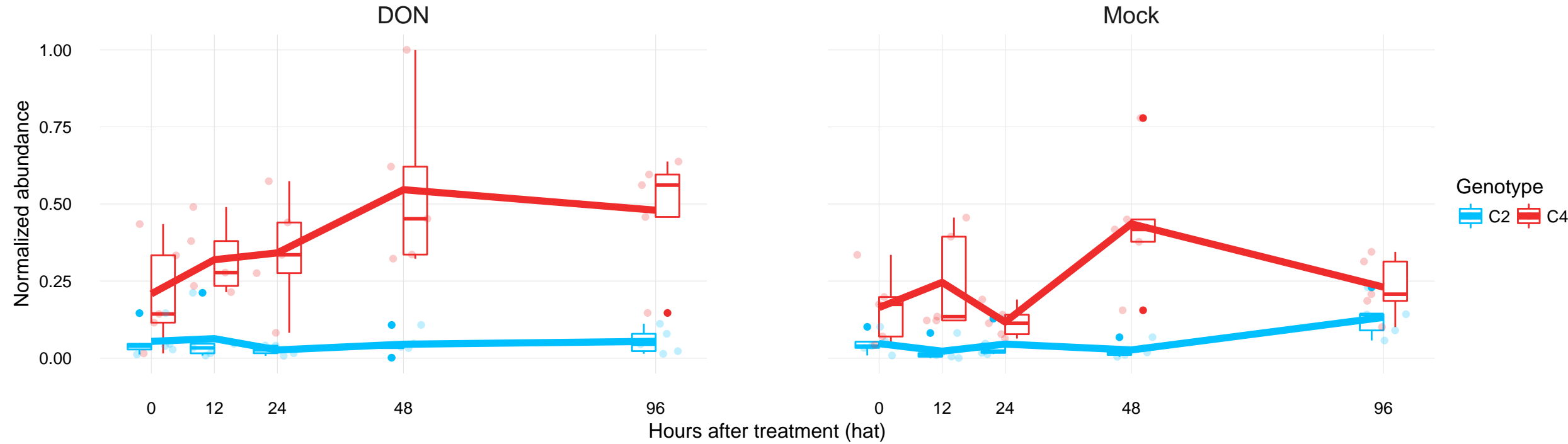
Annotated as Flavonoid (diGlcF)  
(52 database hits)

MZ	609.1815
RT	15.69 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	28 /

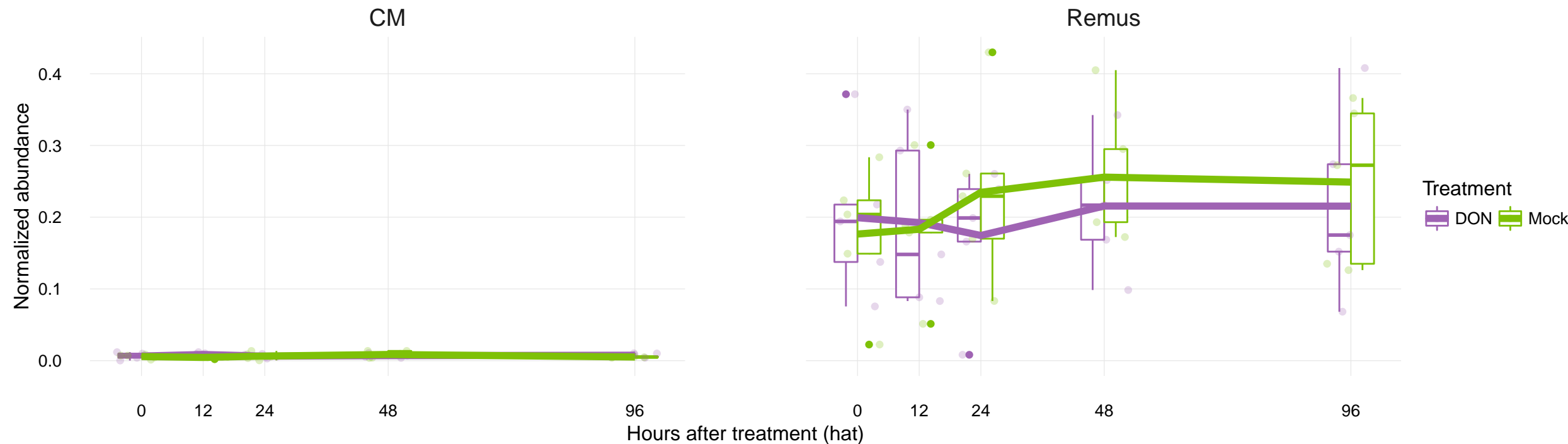
C2, C4; different treatments



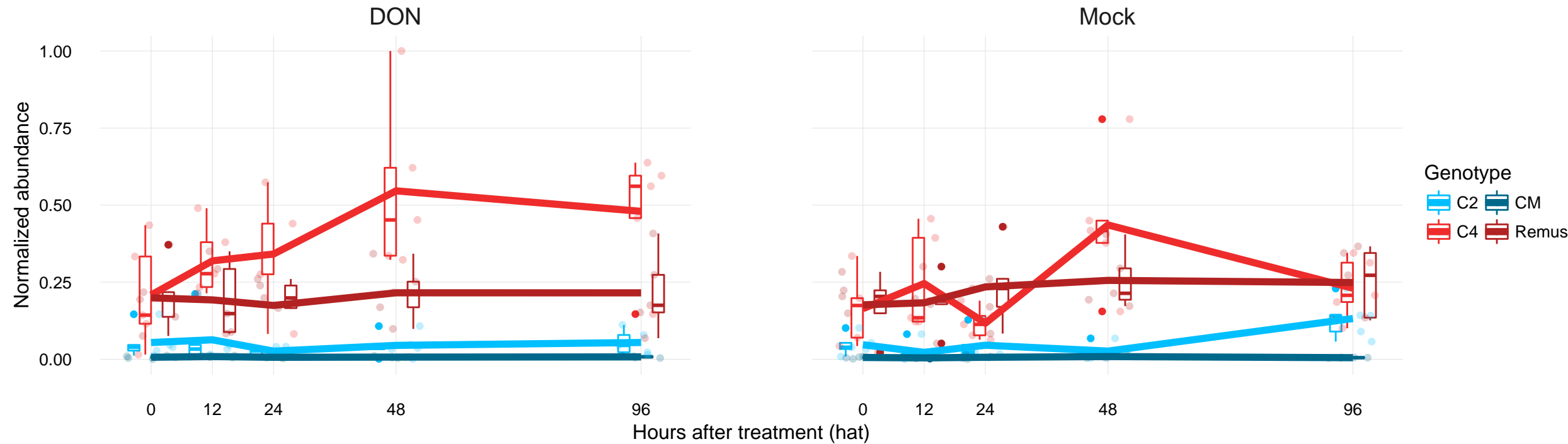
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

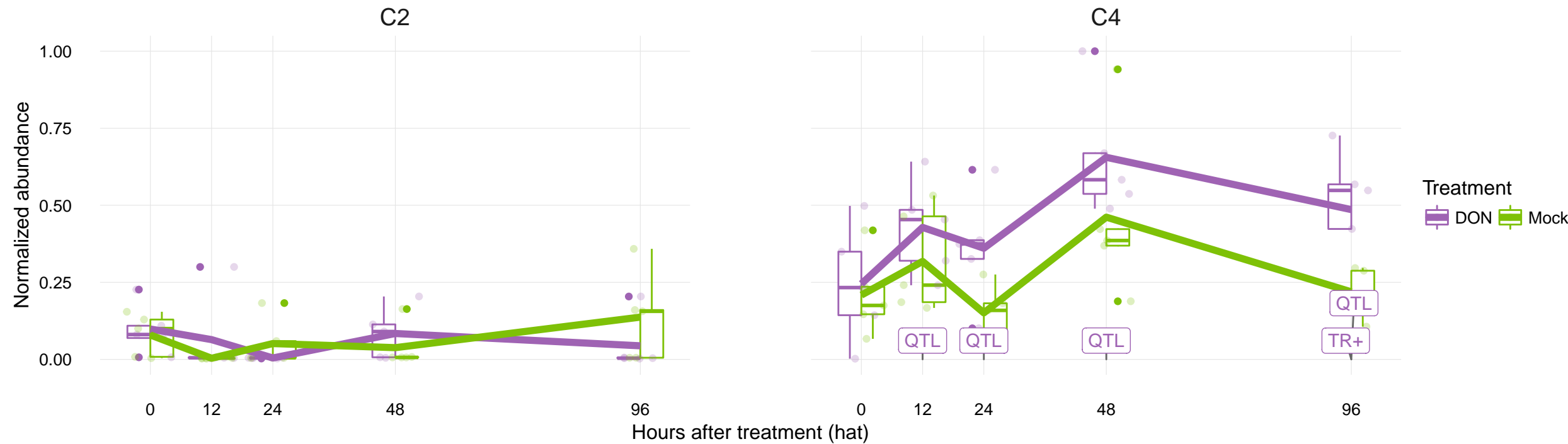


# Homoorientin

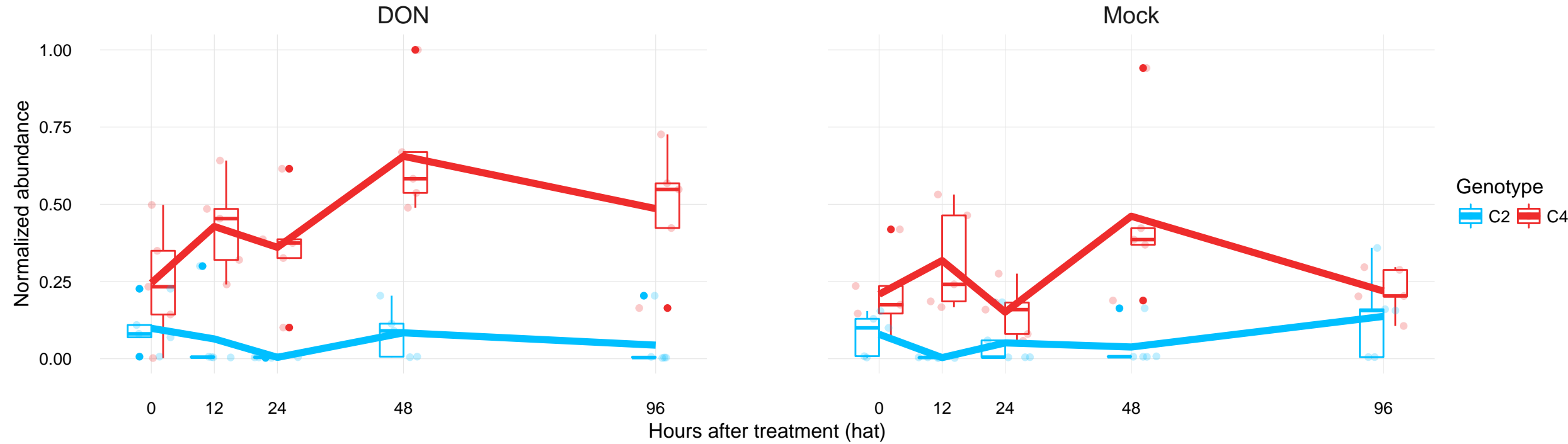
Identified metabolite (level 1)

MZ	449.1081
RT	13.88 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	21 /

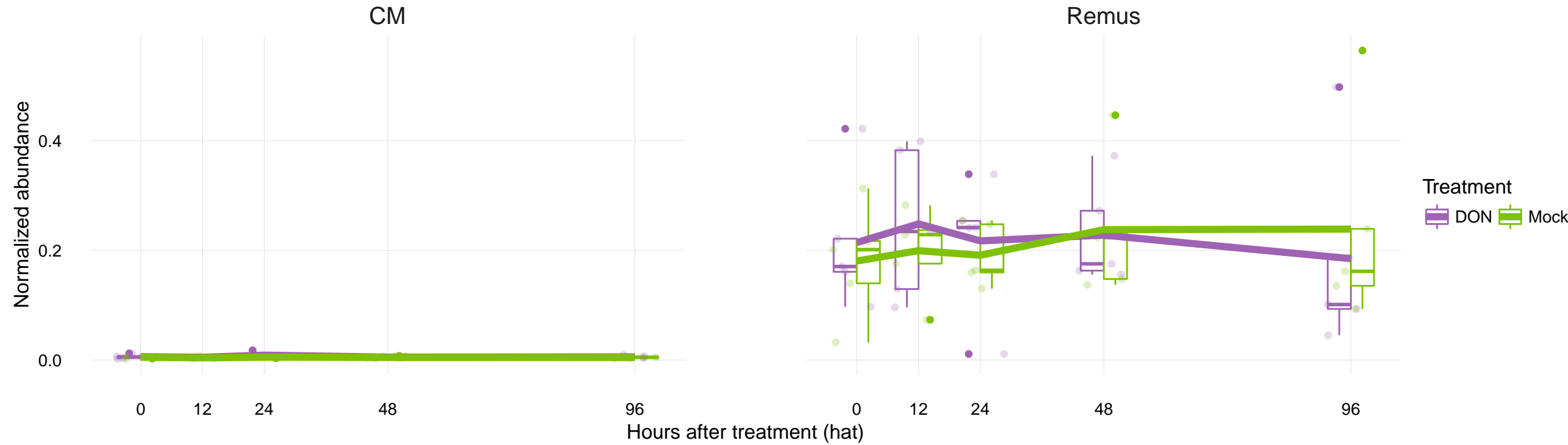
## C2, C4; different treatments



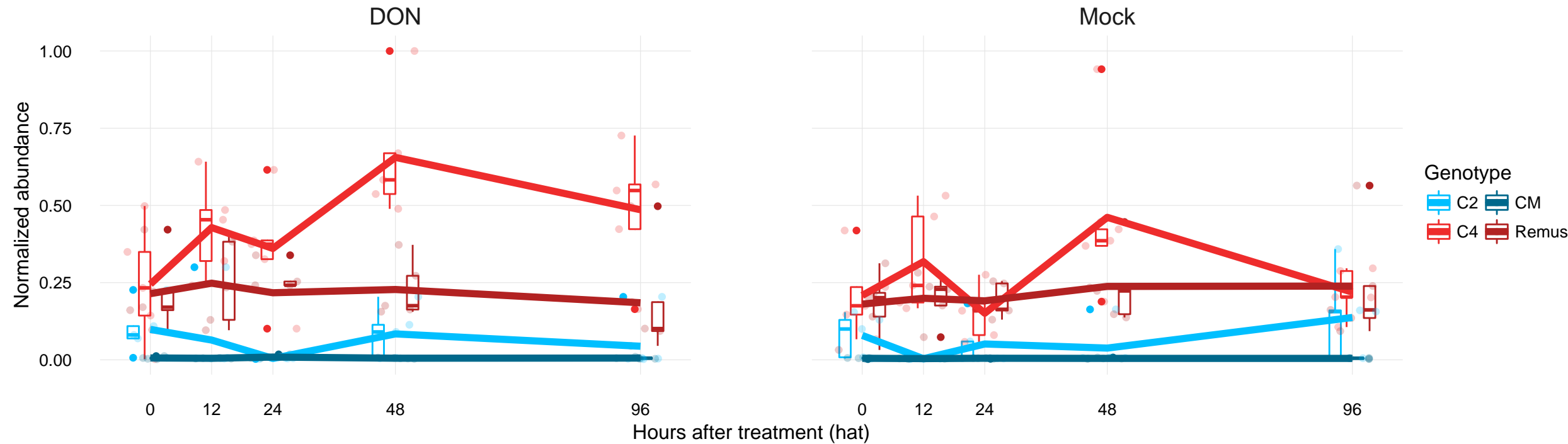
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



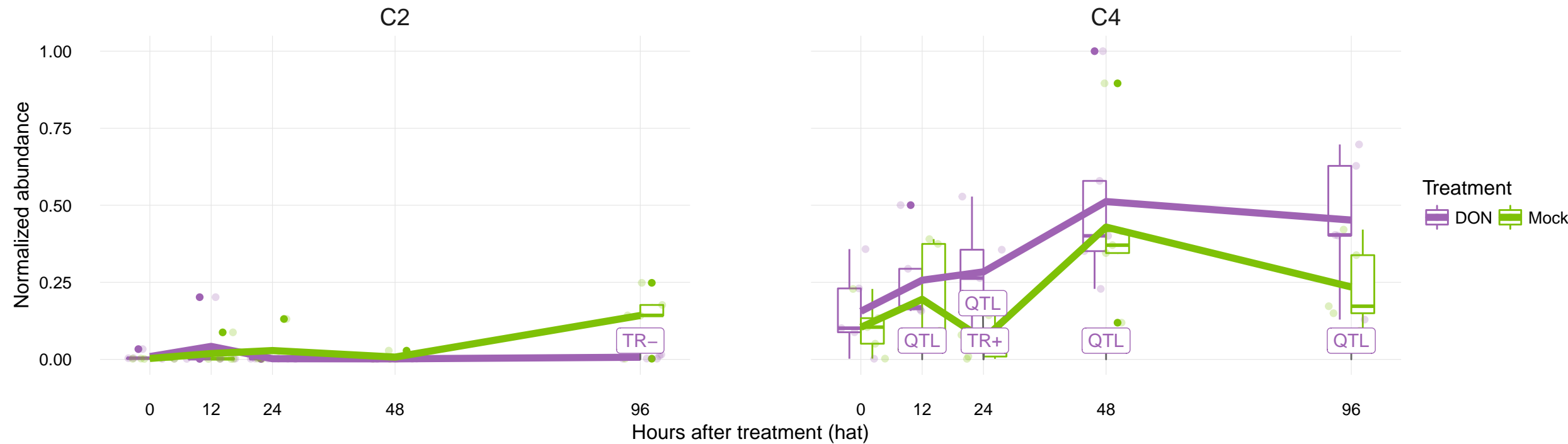


# A.70

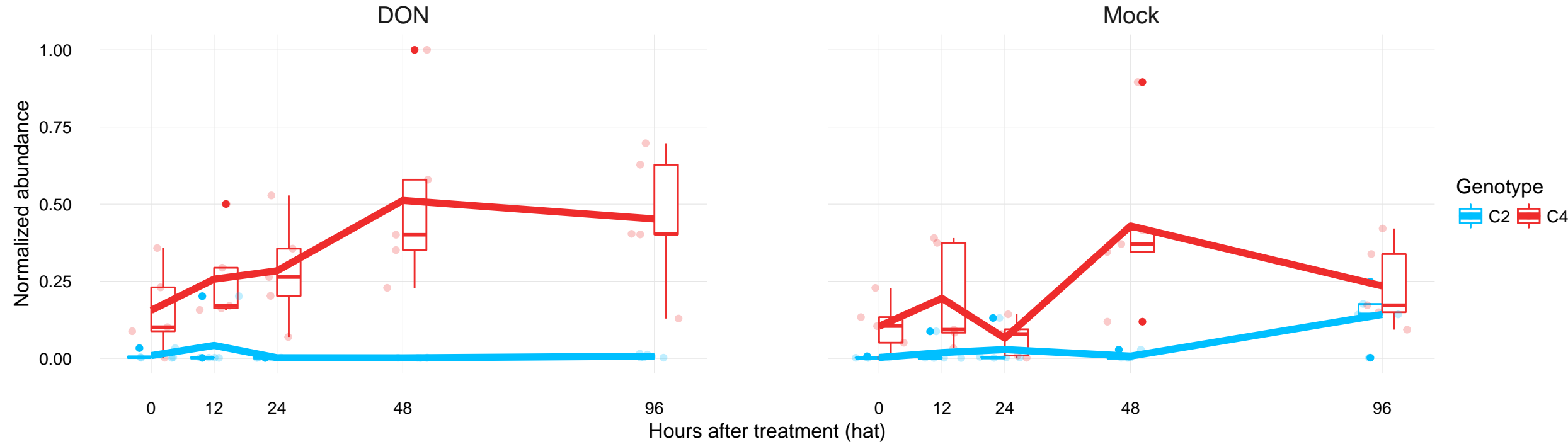
Annotated as Flavonoid (diGlcF)  
(60 database hits)

MZ	625.1765
RT	13.46 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	28 /

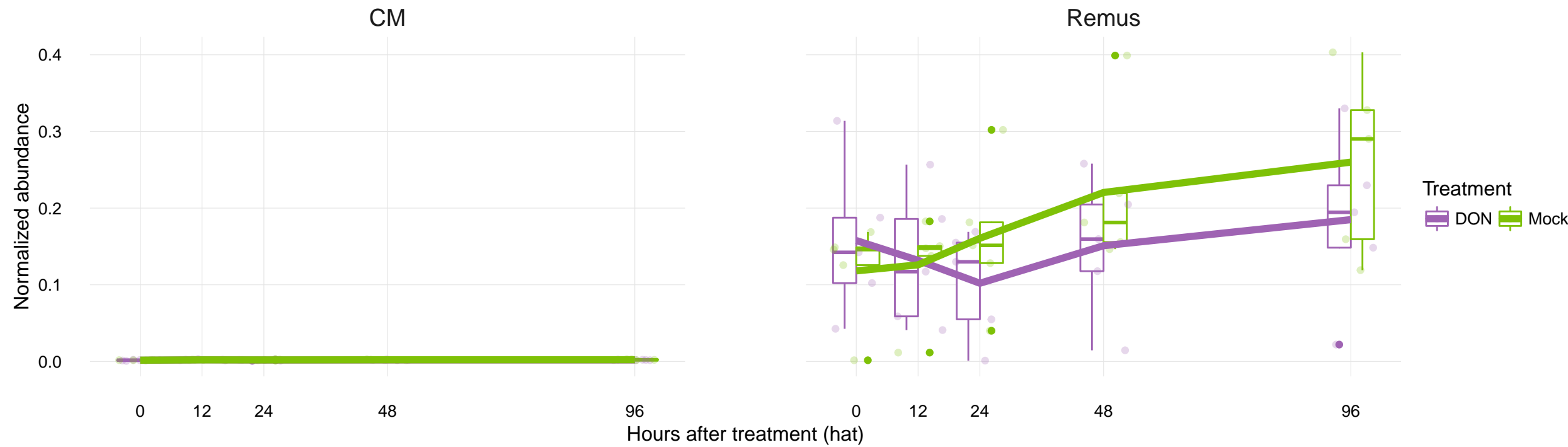
## C2, C4; different treatments



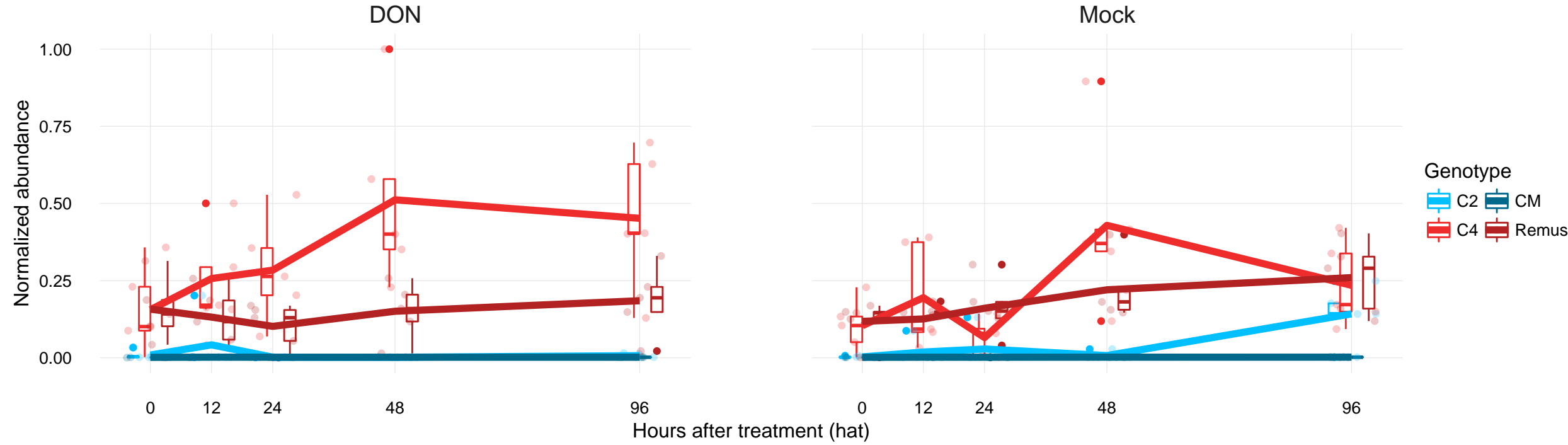
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



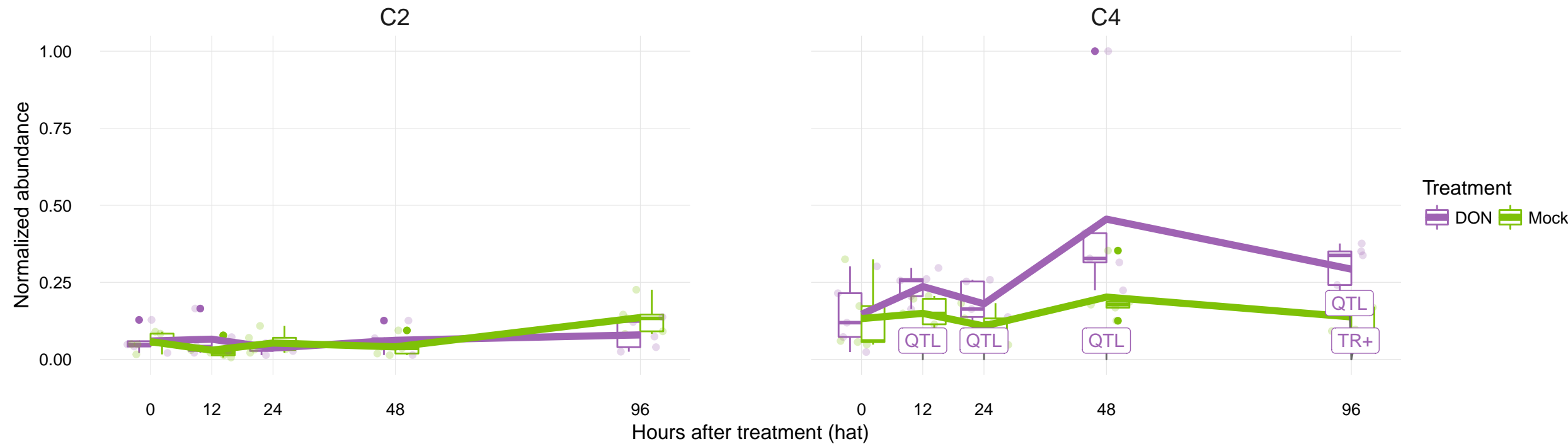


# A.55

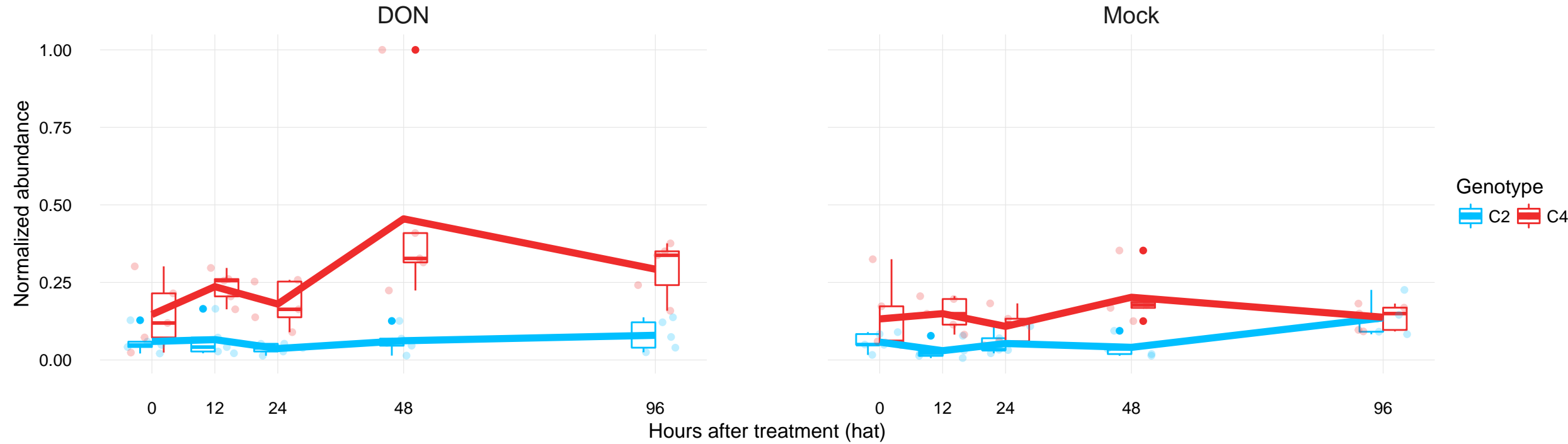
Annotated as Flavonoid (diGlcF)  
(48 database hits)

MZ	581.1504
RT	12.58 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	26 / 9

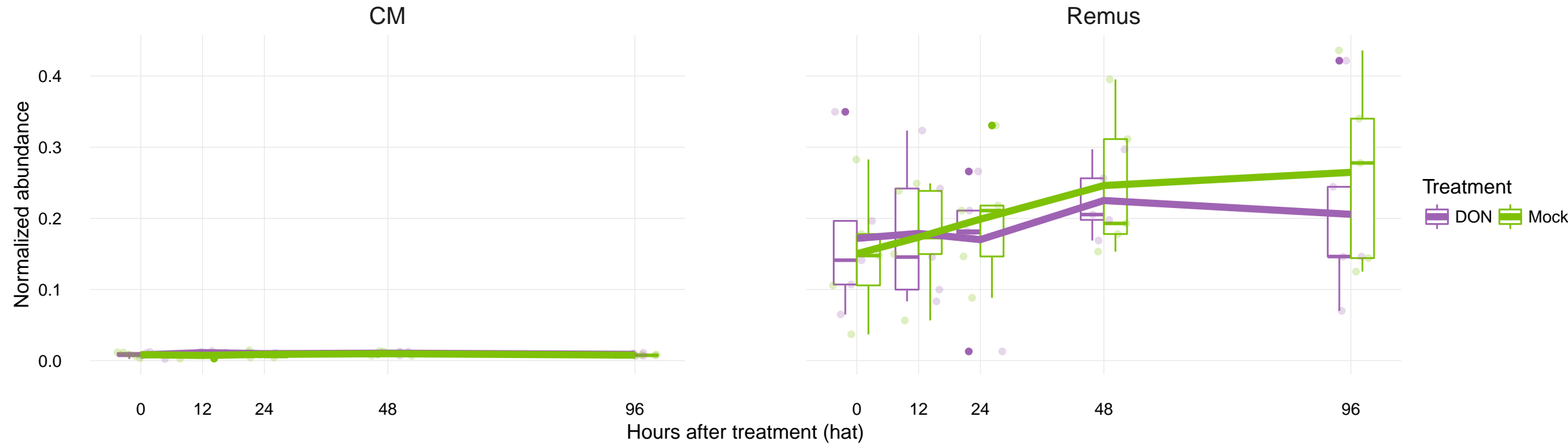
## C2, C4; different treatments



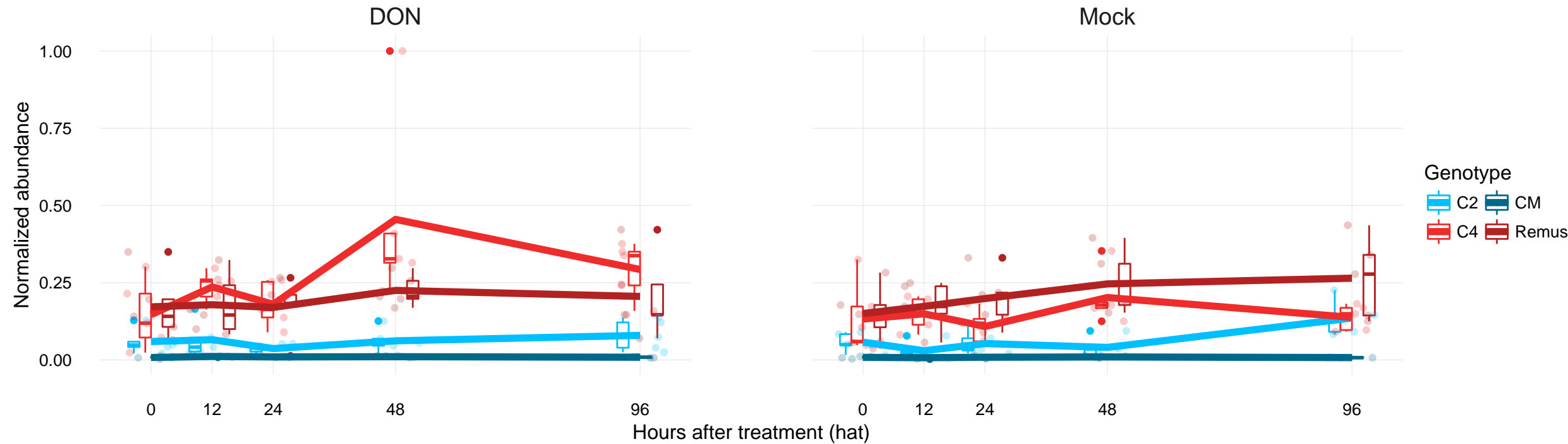
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

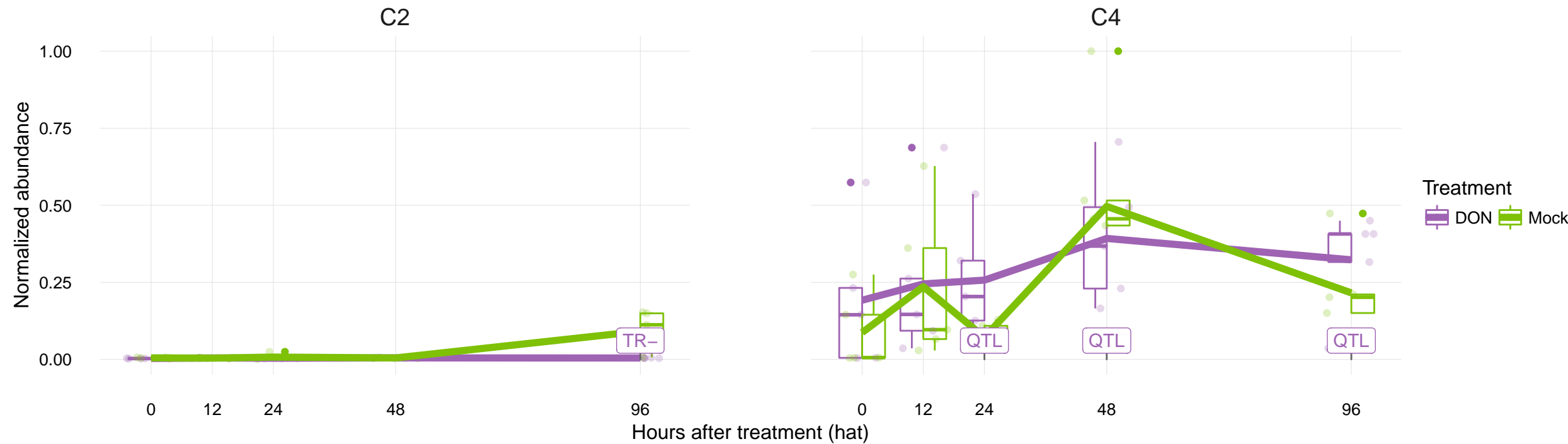


# A.81

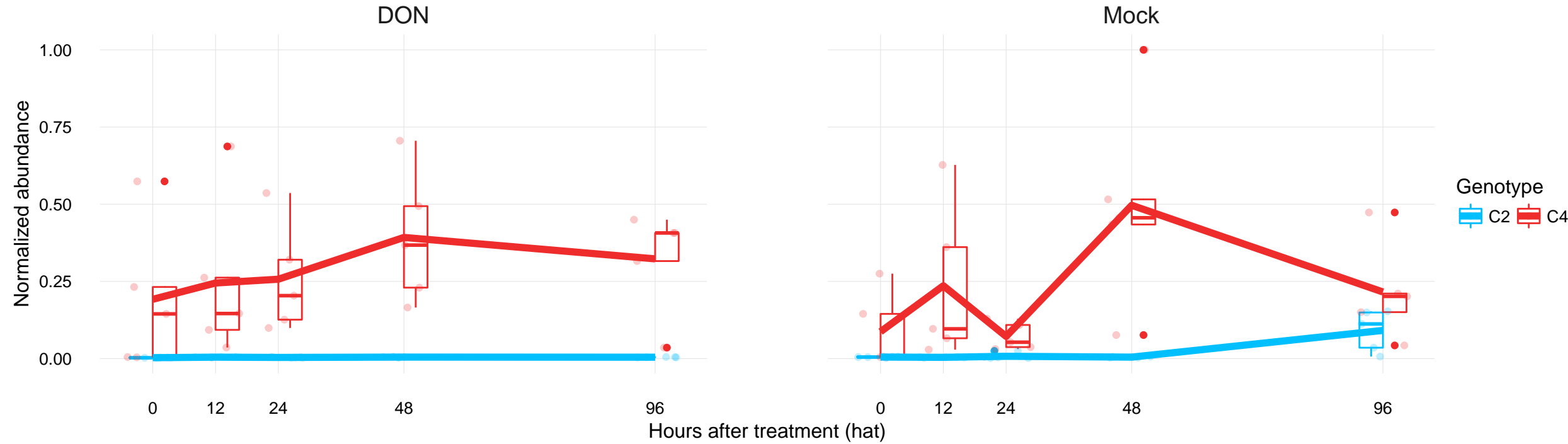
Annotated as Flavonoid (GlcF)  
(52 database hits)

MZ	479.1188
RT	14.6 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	22 /

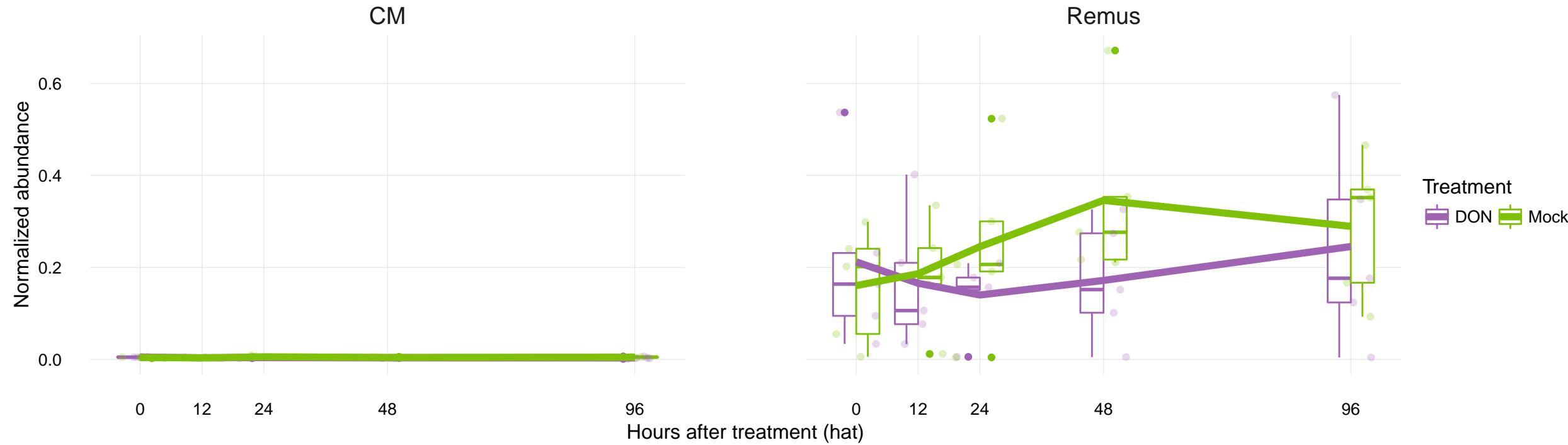
## C2, C4; different treatments



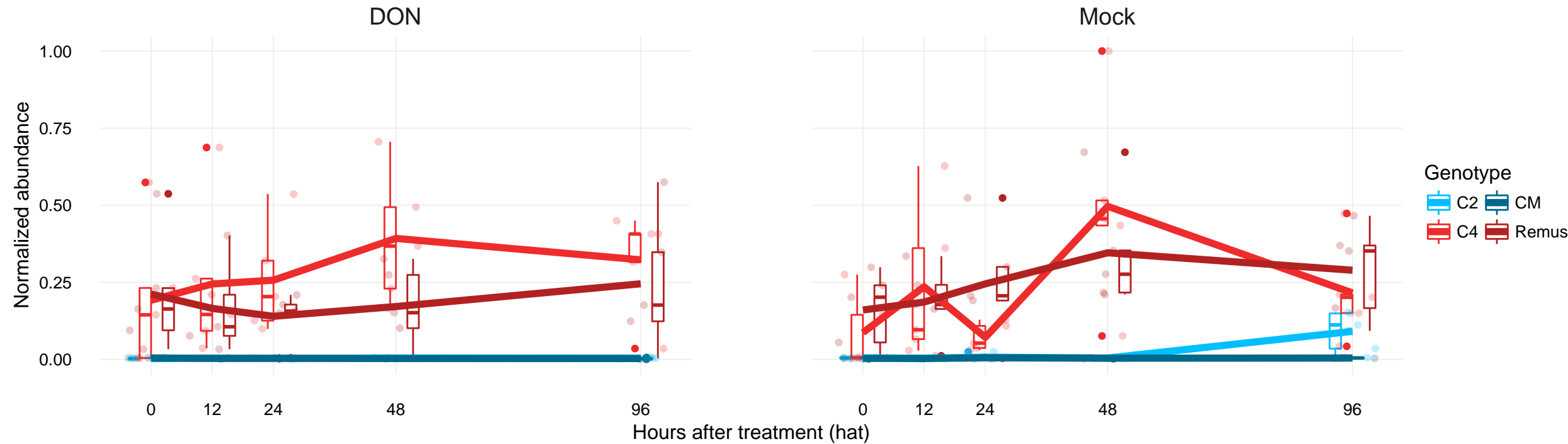
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

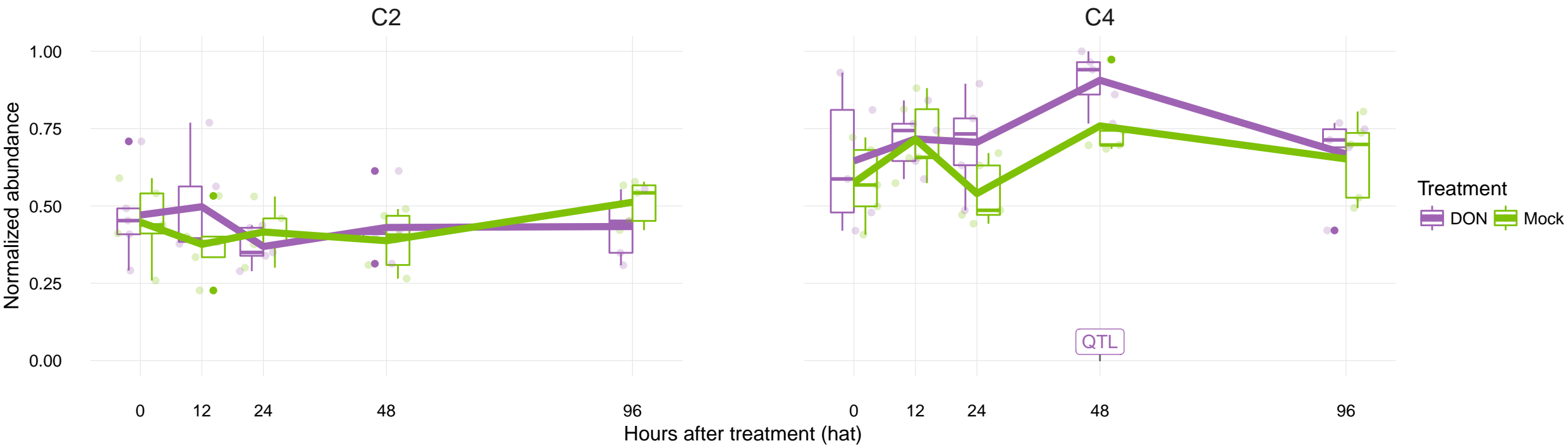


# U.9

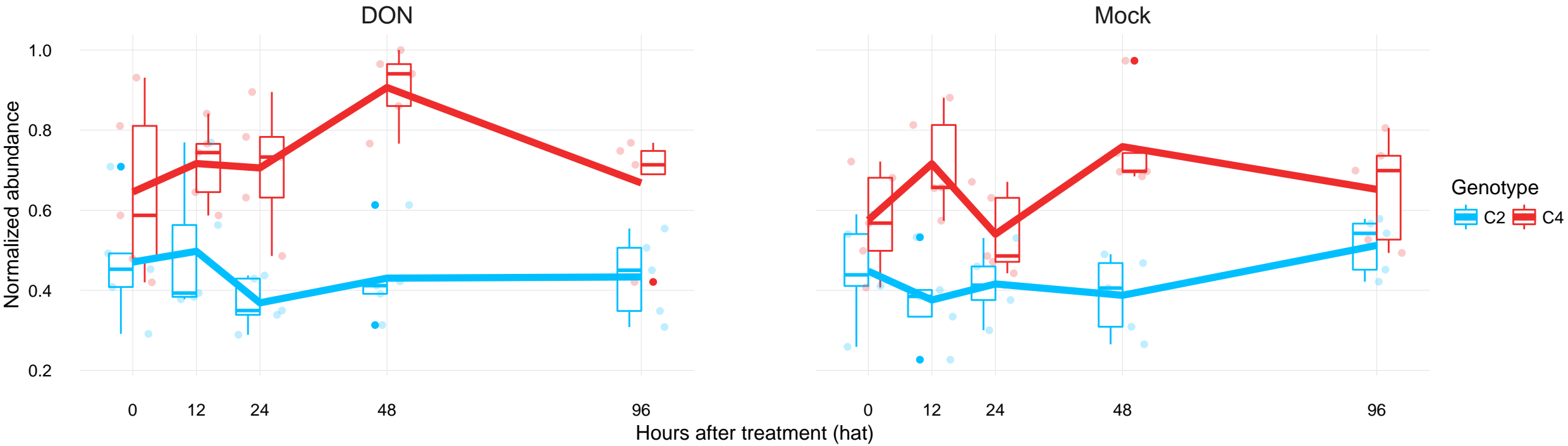
Unknown Phe-derived wheat-metabolite

MZ	584.1288
RT	13.44 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	8 / 8

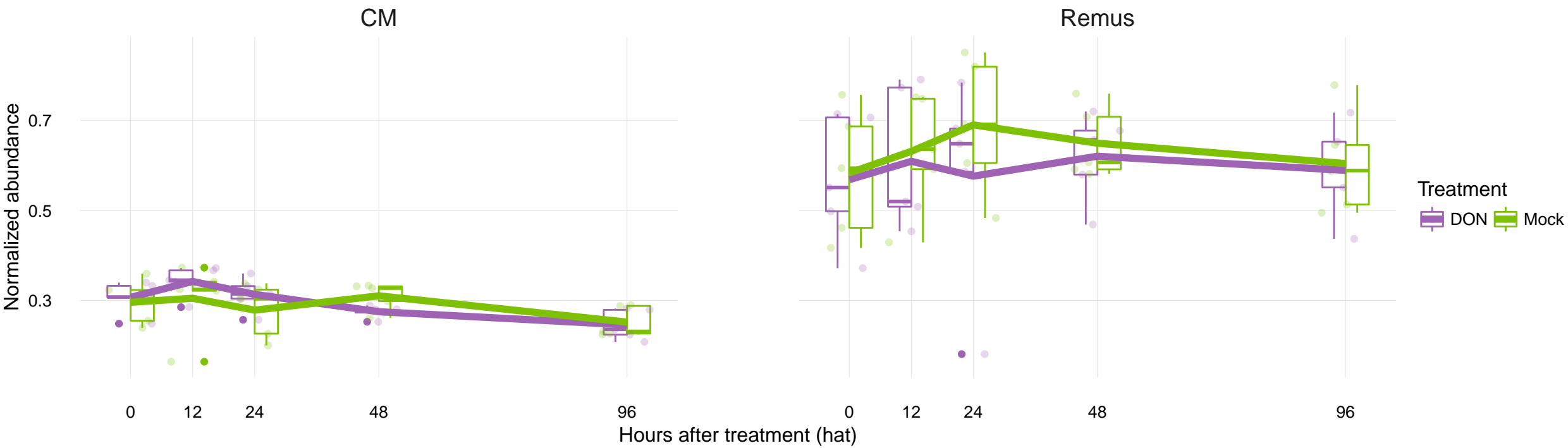
C2, C4; different treatments



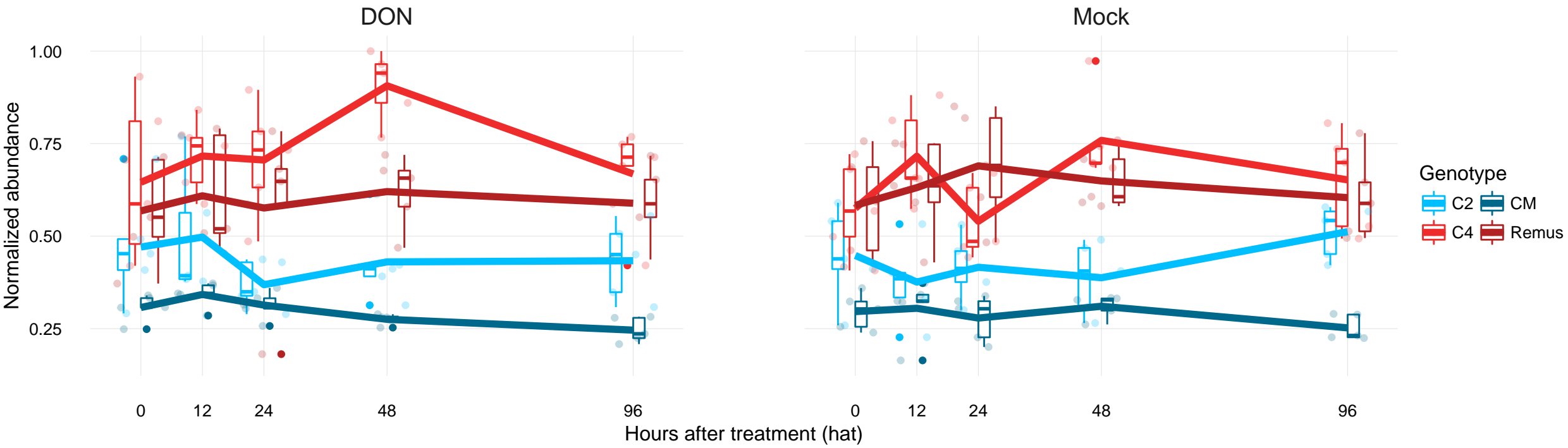
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

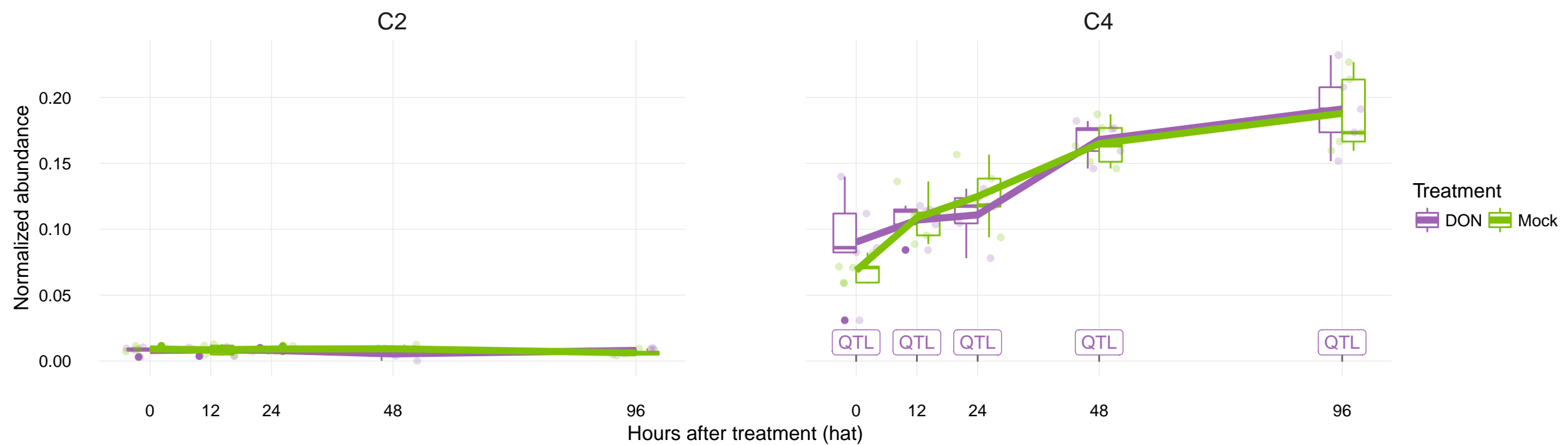


# A.95

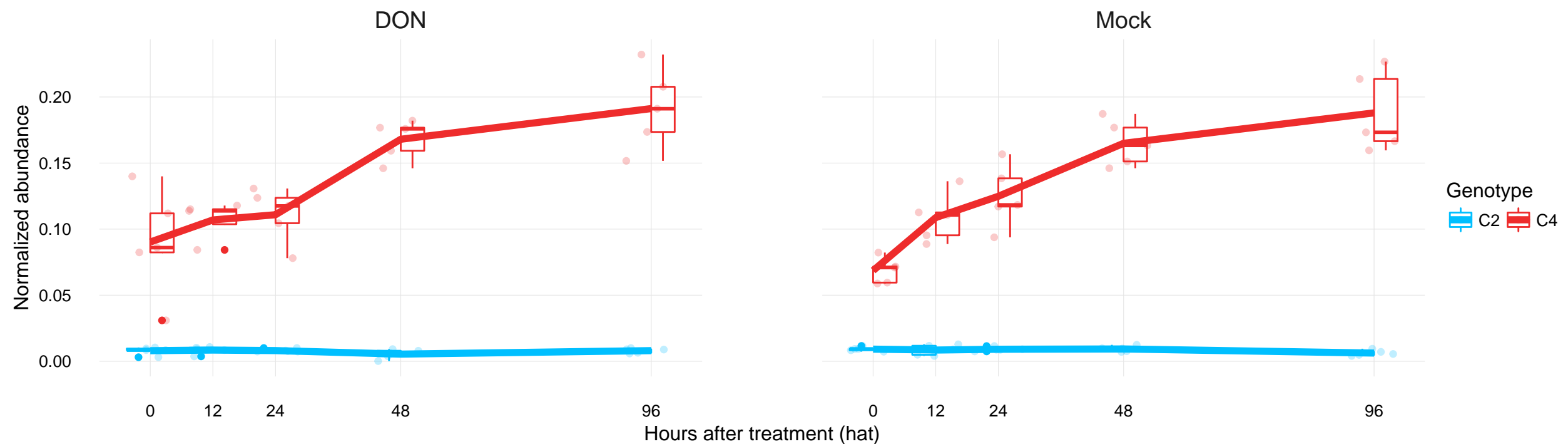
Annotated as Putative phenylacetic acid derivative  
(2 database hits)

MZ	388.1605
RT	16.26 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 4
Cn total / Phe	17 / 8

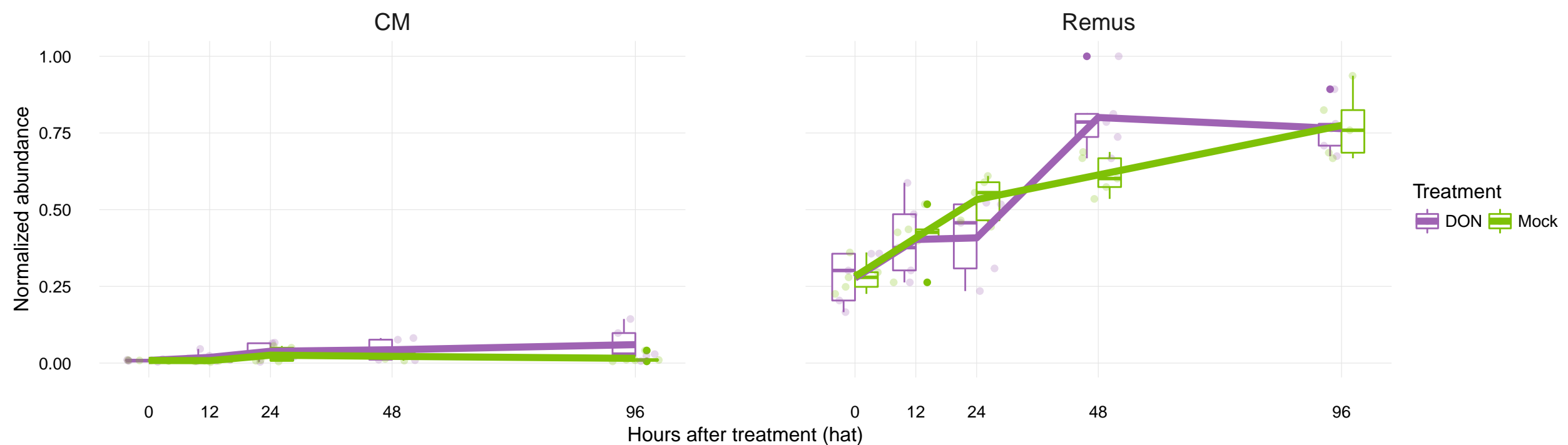
## C2, C4; different treatments



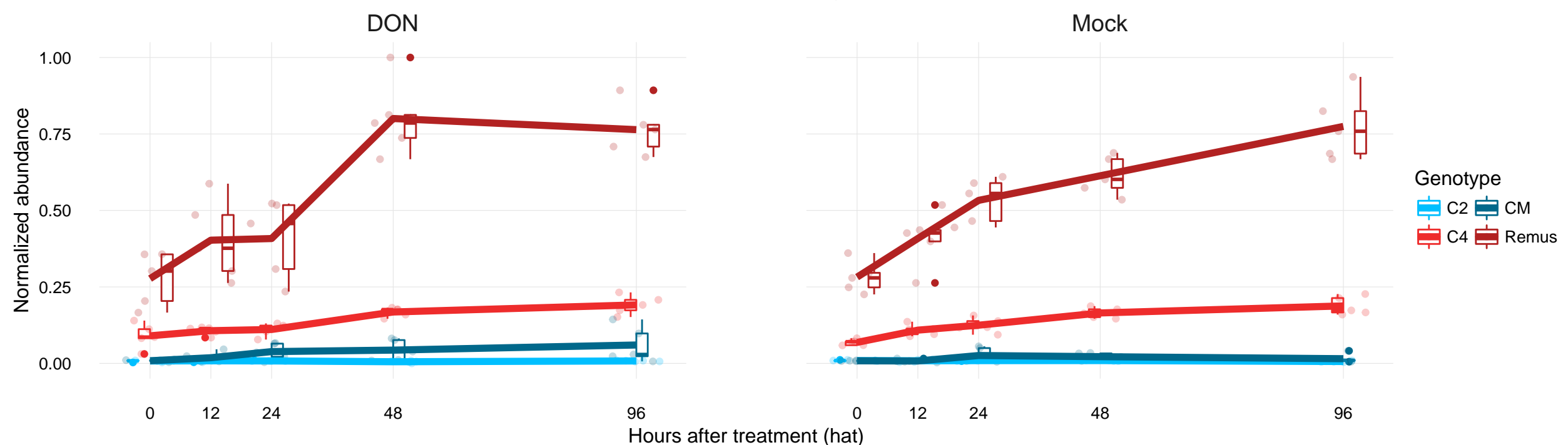
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

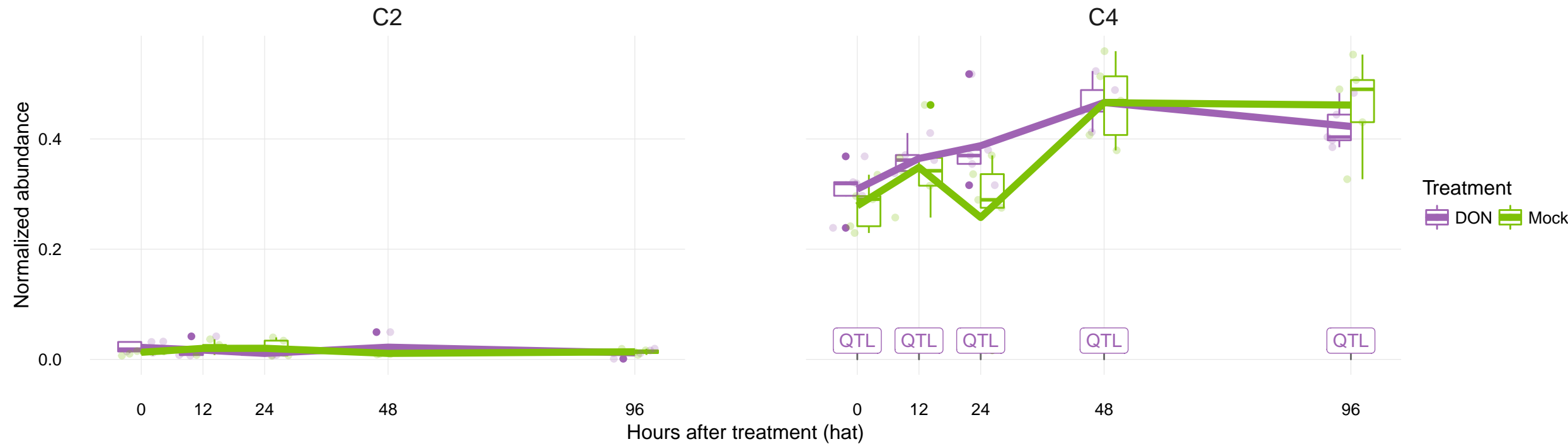


# A.56

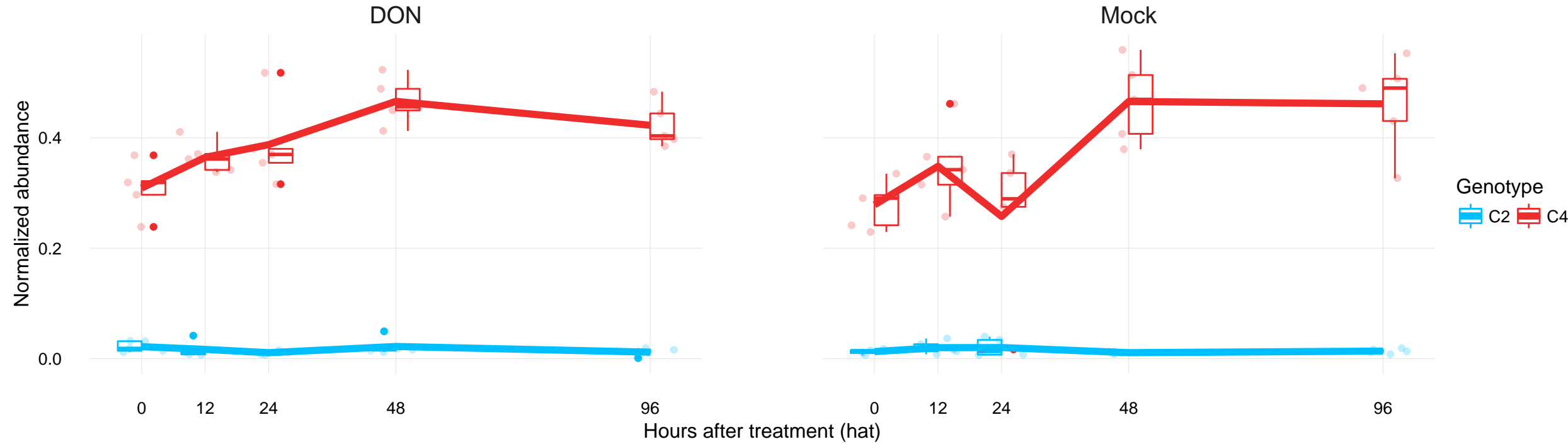
Annotated as Putative benzoic acid derivative  
(14 database hits)

MZ	355.1025
RT	12.75 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 4
Cn total / Phe	16 / 7

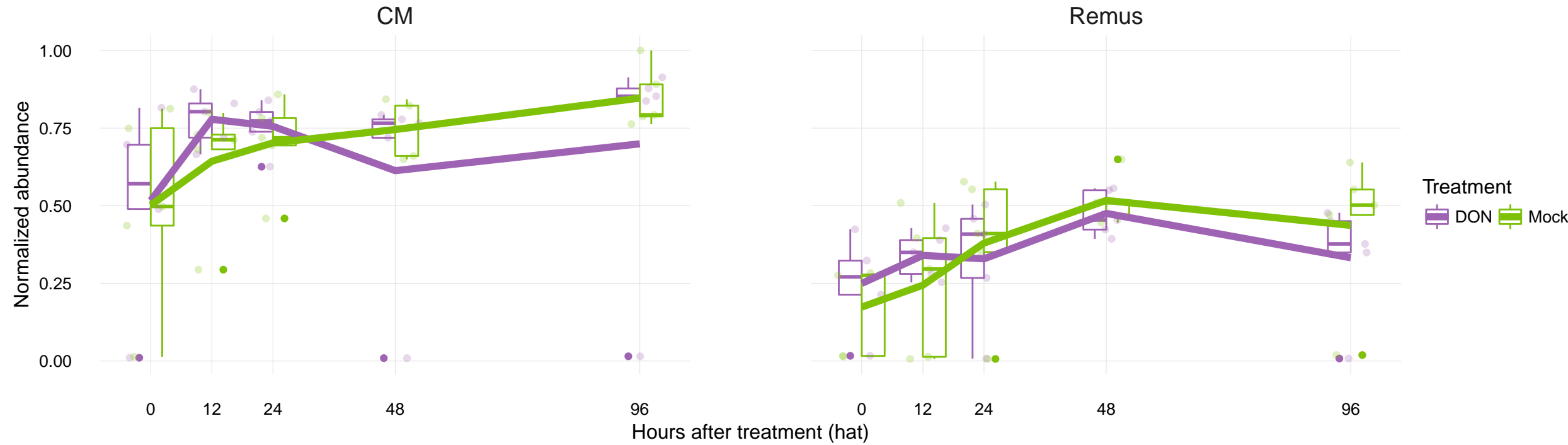
## C2, C4; different treatments



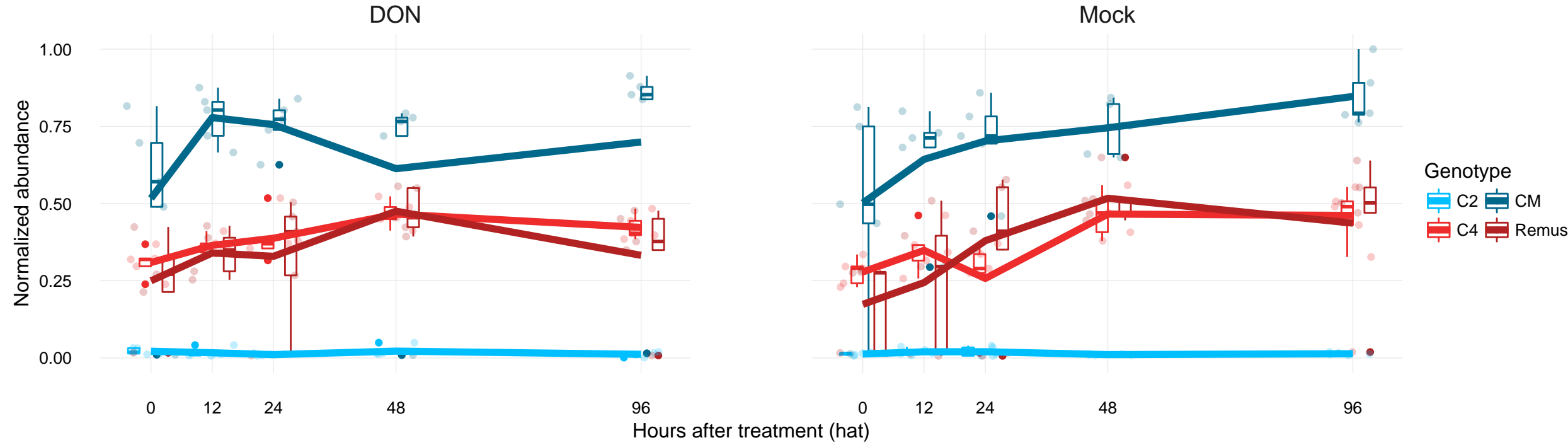
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

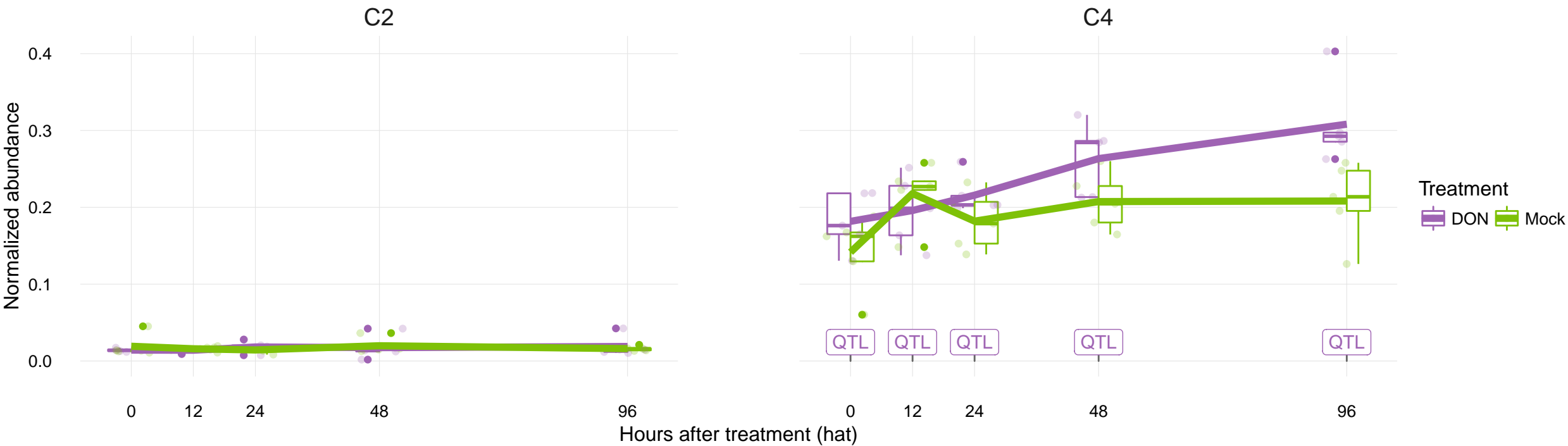


A.82

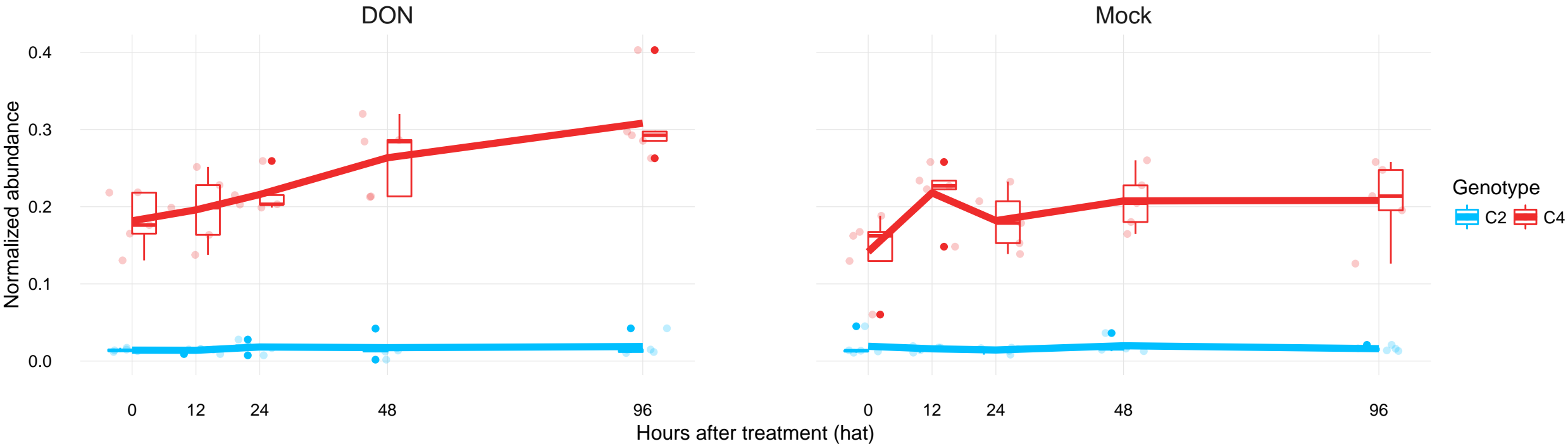
Annotated as others (Iridoid)  
(1 database hit)

MZ	584.234
RT	14.65 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 4
Cn total / Phe	27 / 9

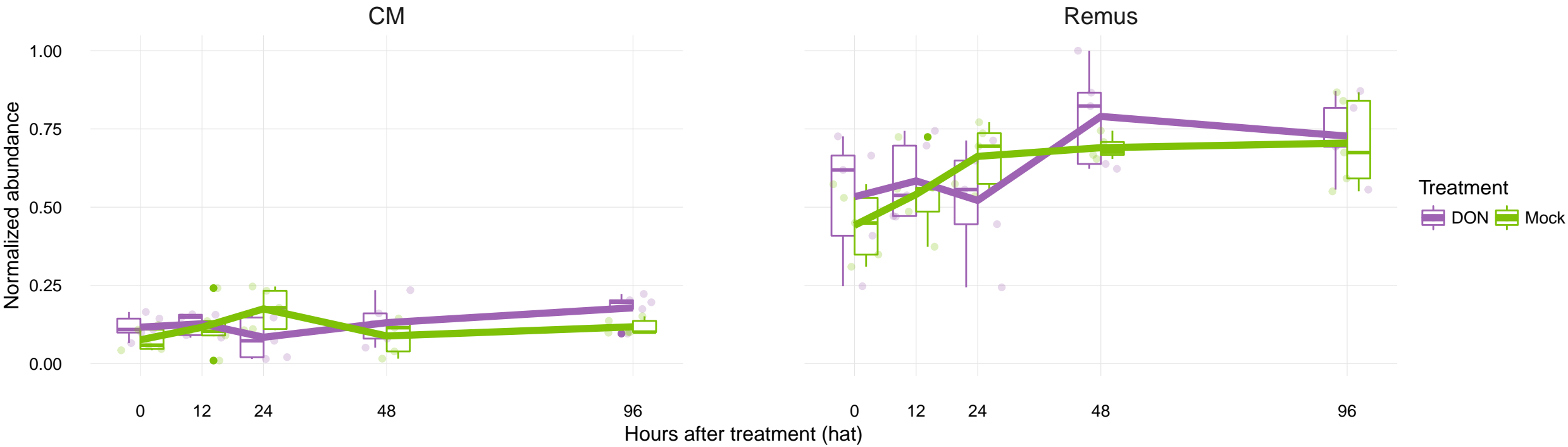
C2, C4; different treatments



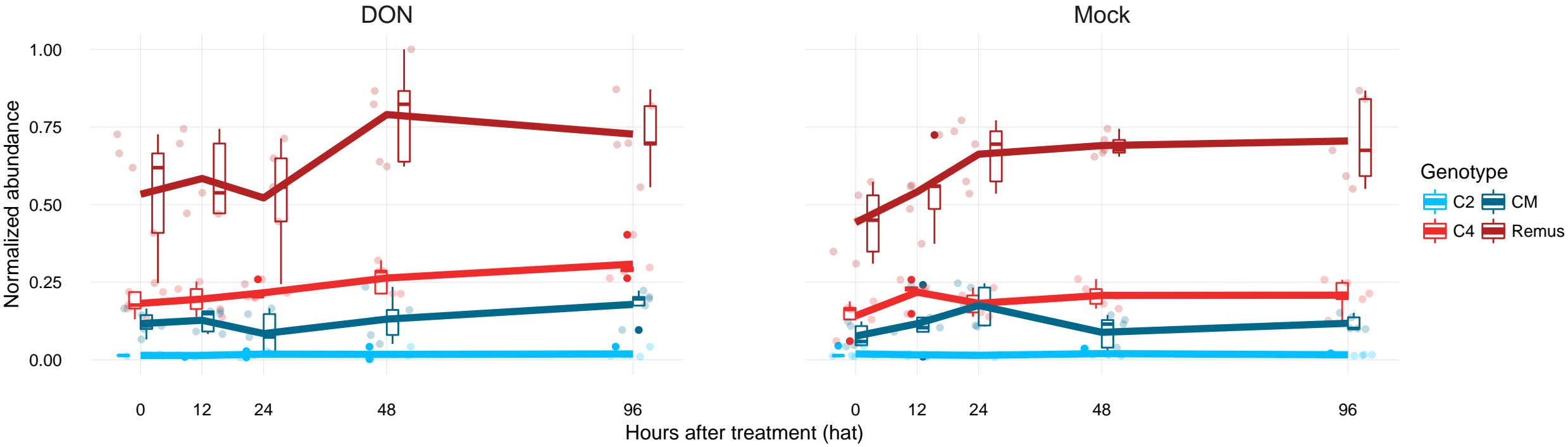
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

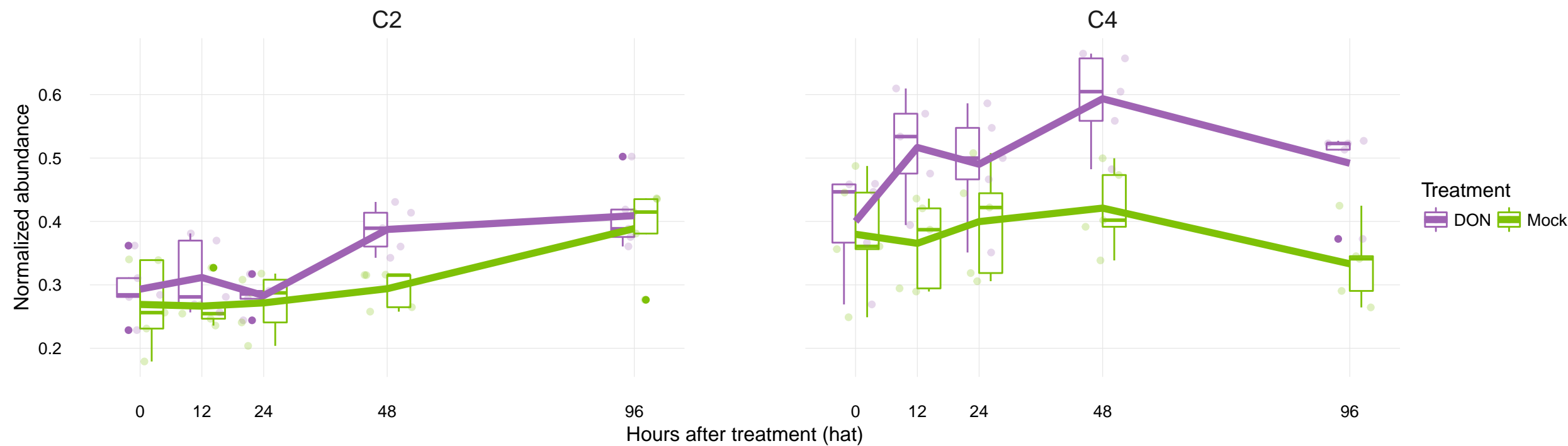


# A.138

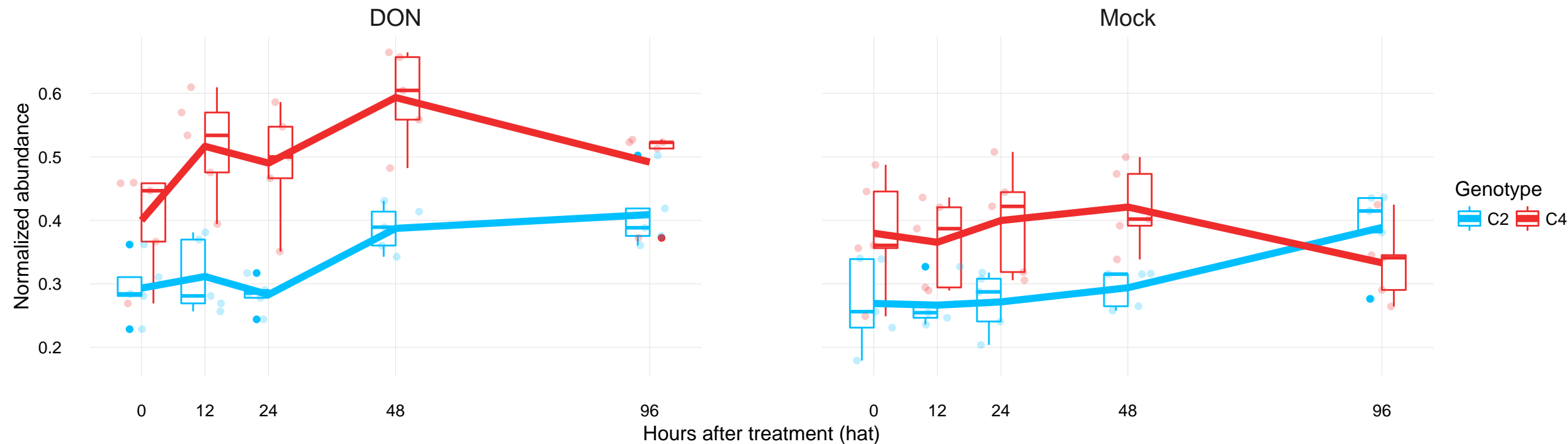
Annotated as HCA derivative  
(1 database hit)

MZ	495.1285
RT	24.08 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	26 /

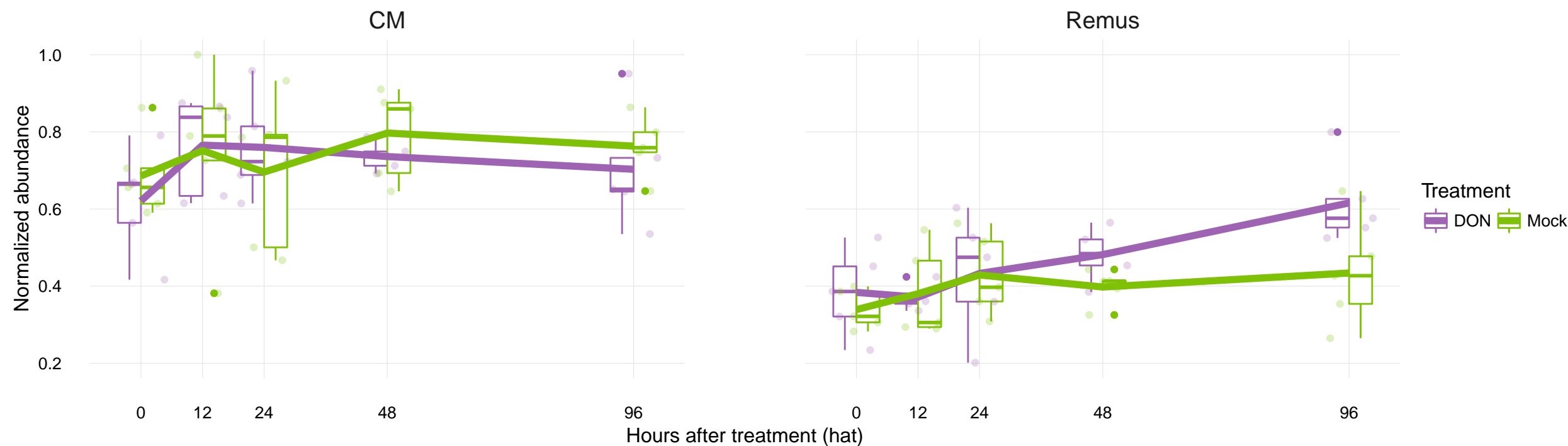
## C2, C4; different treatments



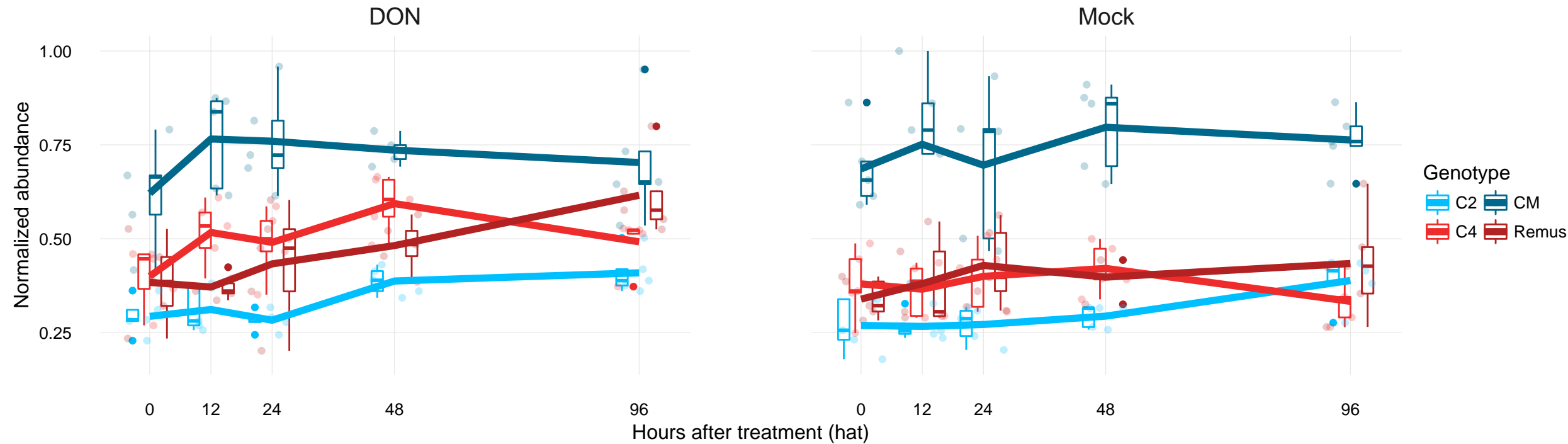
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



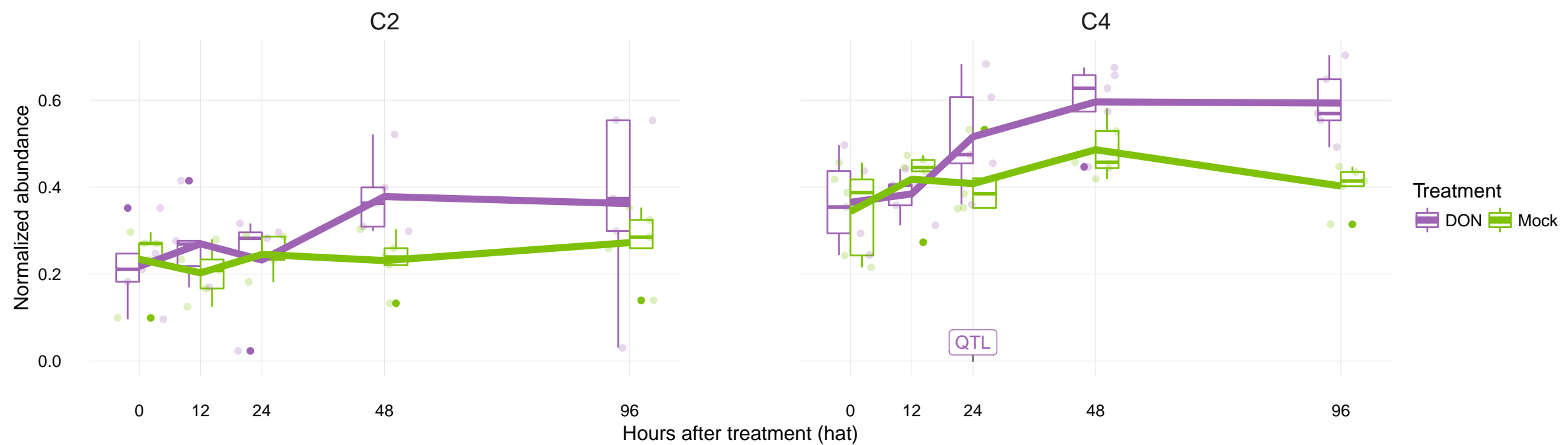


# A.42

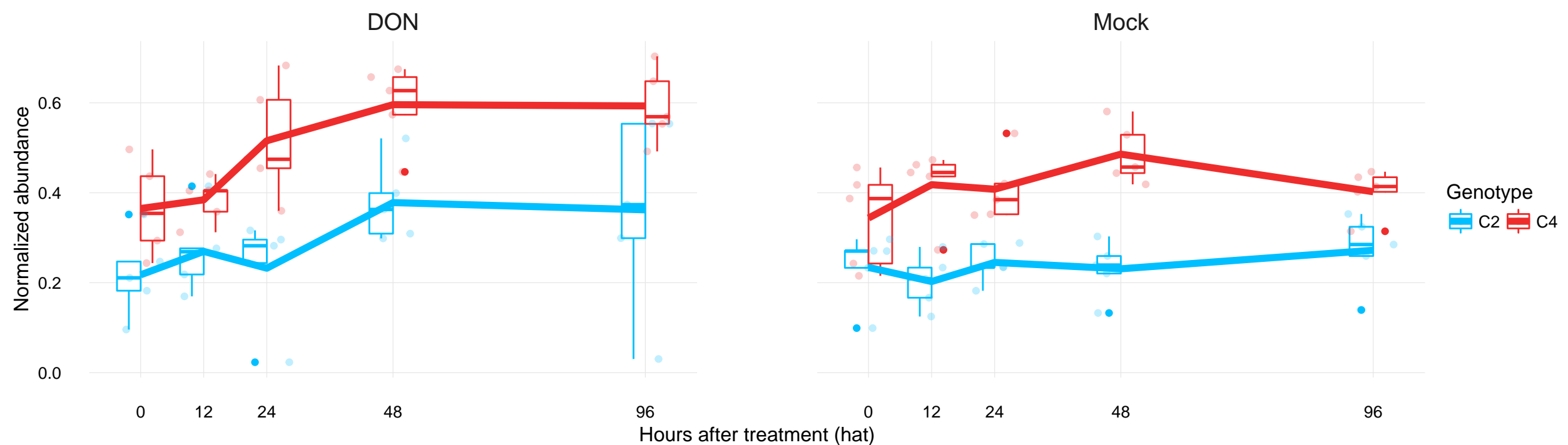
Annotated as HCA derivative  
(1 database hit)

MZ	415.1239
RT	10.87 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	18 / 9

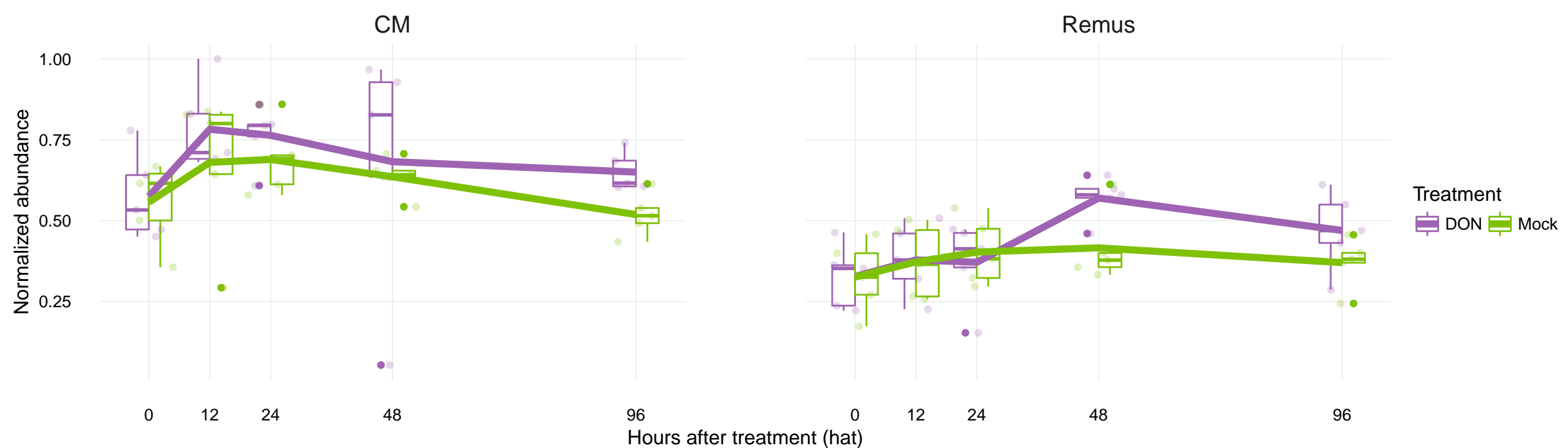
## C2, C4; different treatments



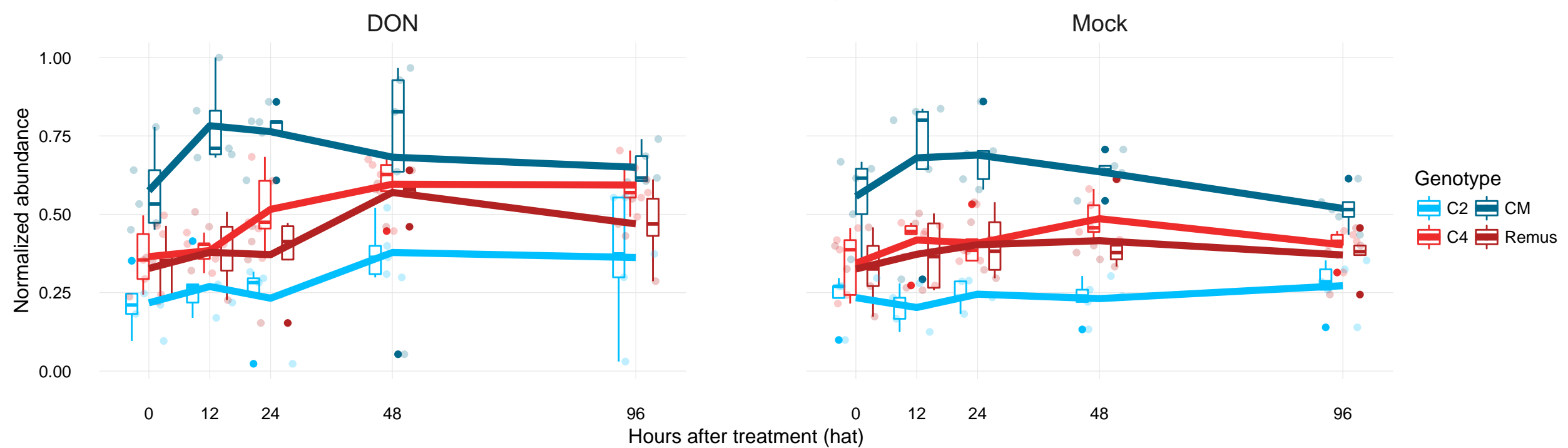
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

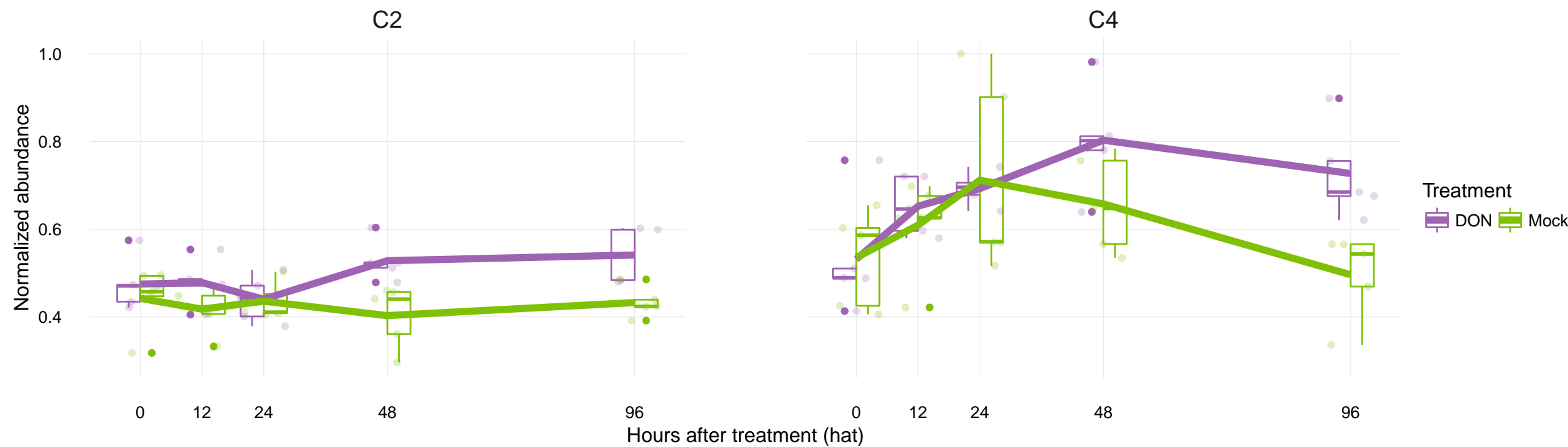


# A.117

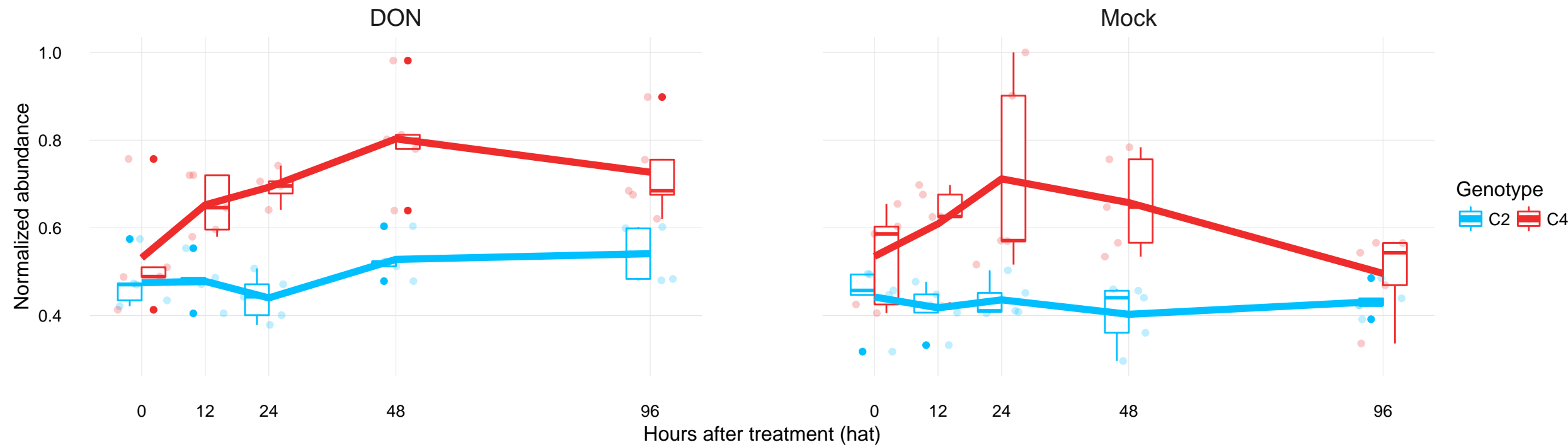
Annotated as Flavonoid (GlcF)  
(52 database hits)

MZ	493.1341
RT	18.65 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	23 /

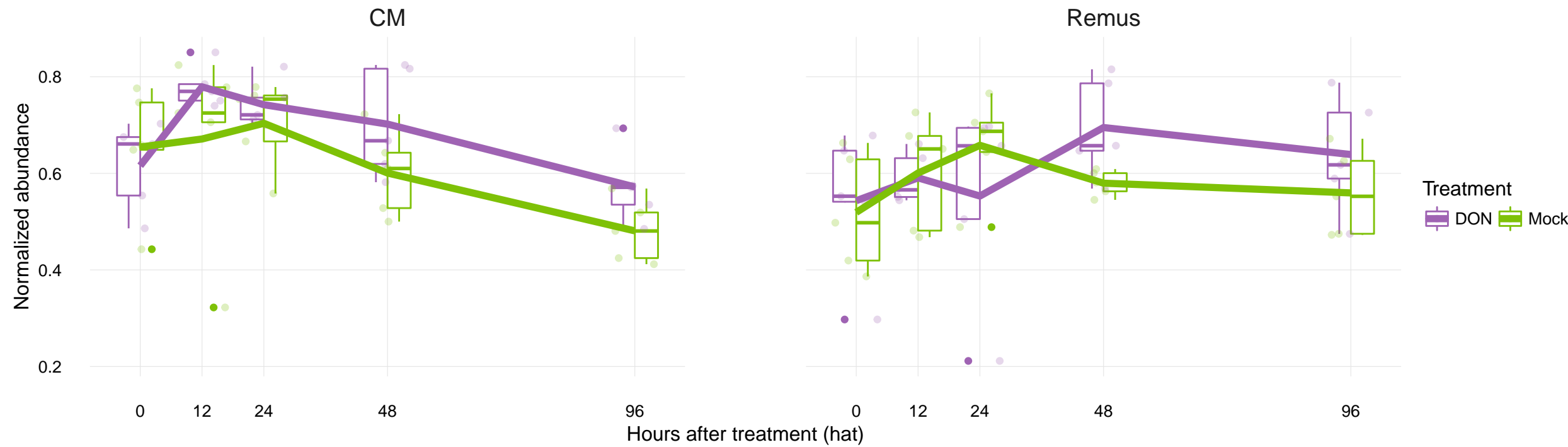
## C2, C4; different treatments



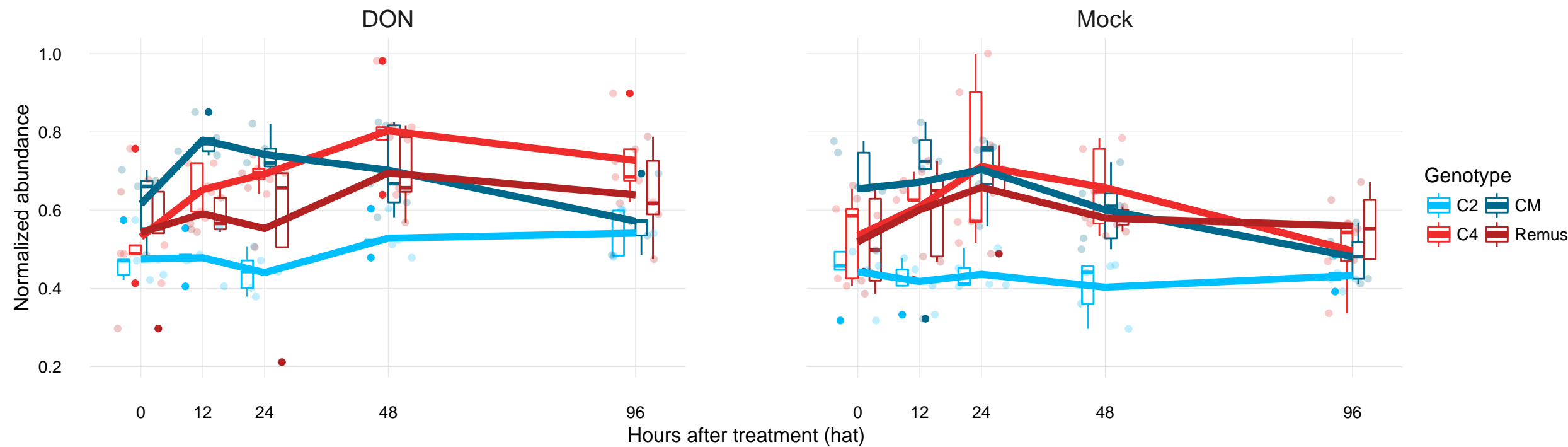
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

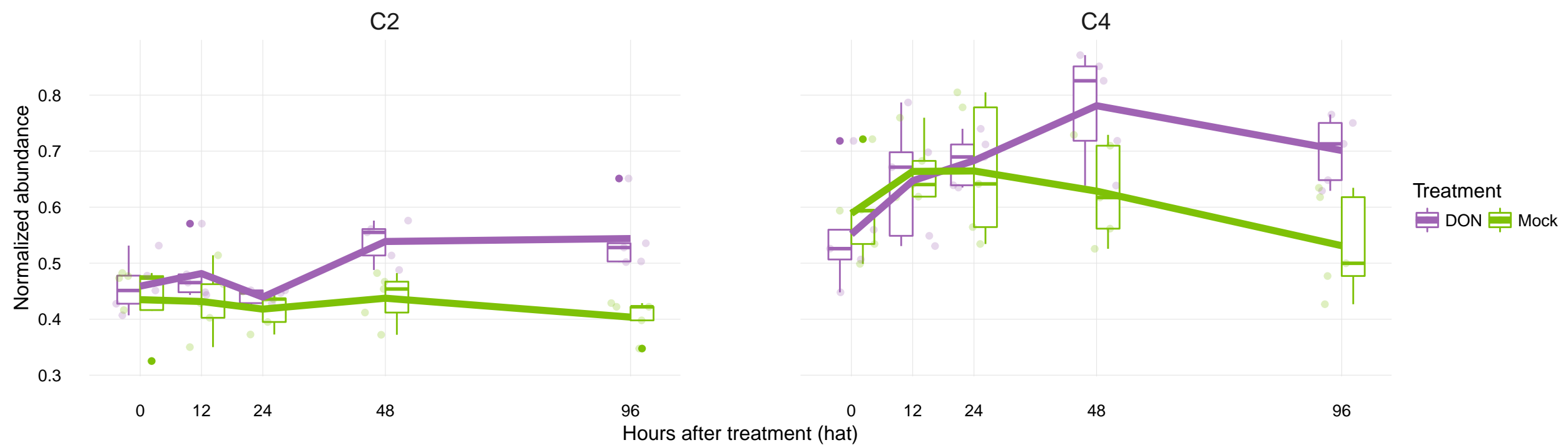


# A.110

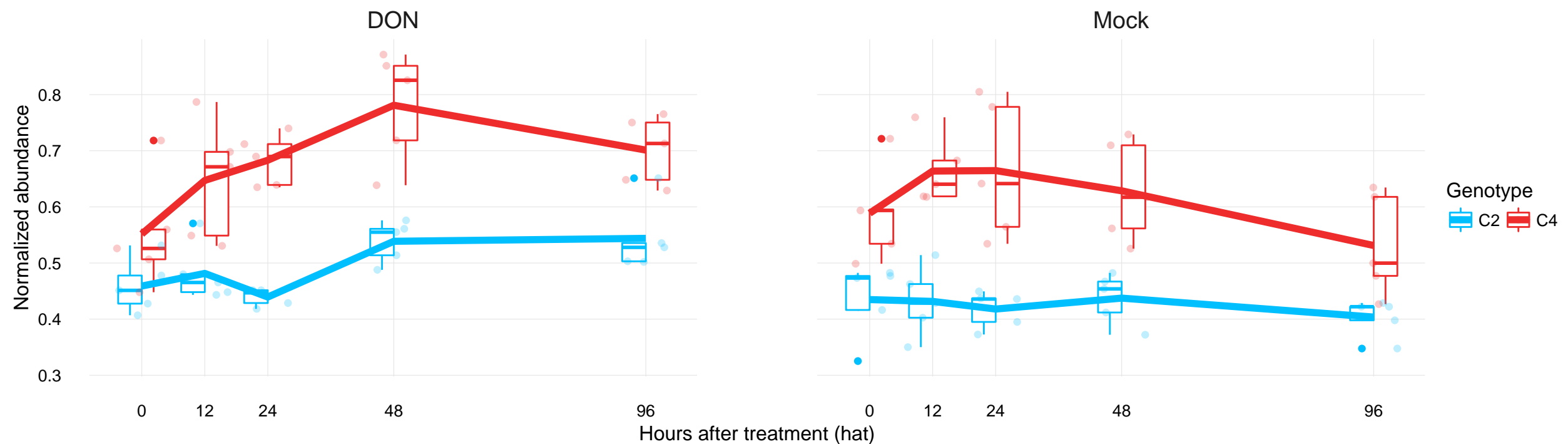
Annotated as Flavonoid (diGlcF)  
(60 database hits)

MZ	647.158
RT	17.81 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	28 /

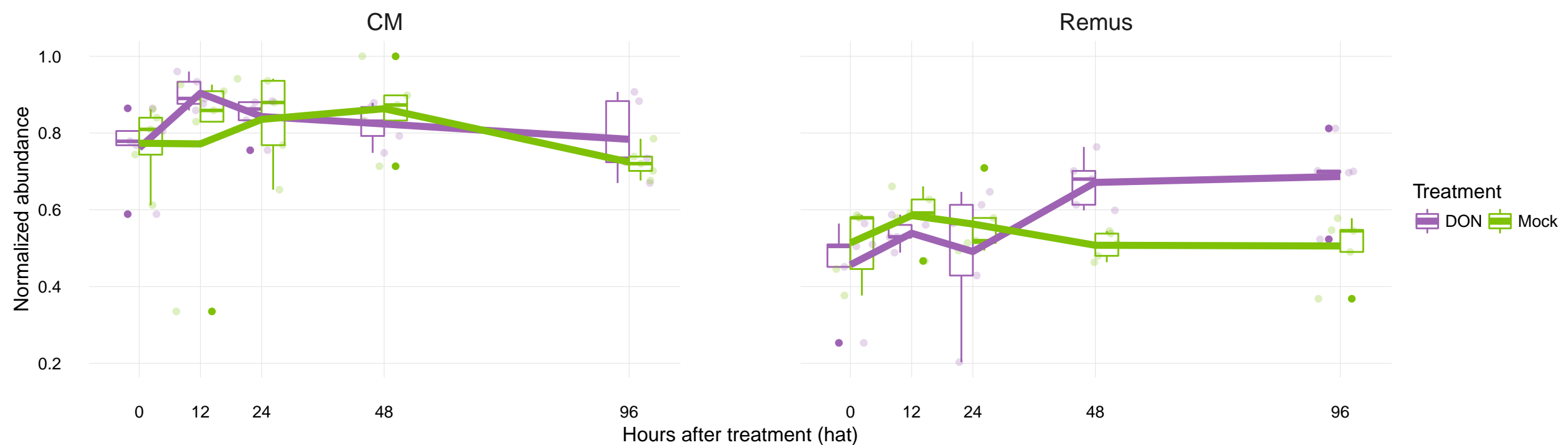
## C2, C4; different treatments



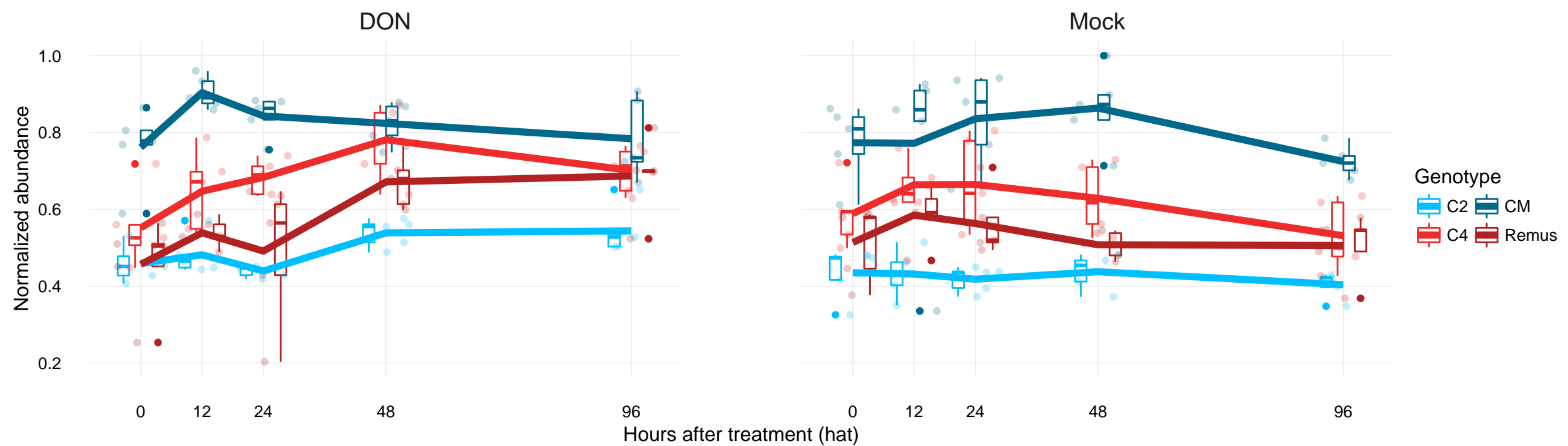
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

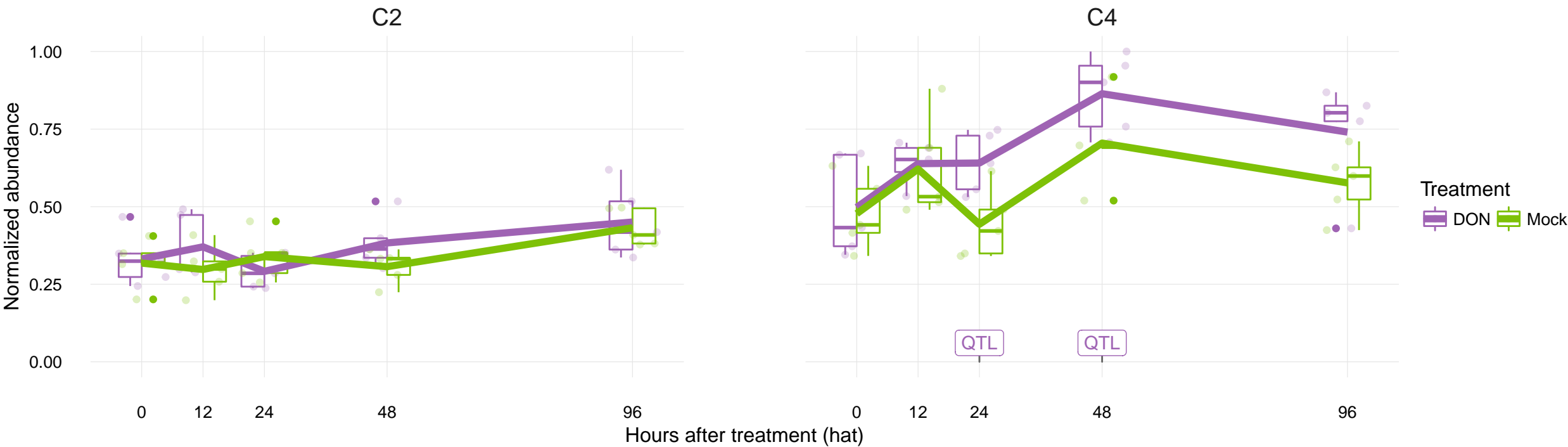


A.85

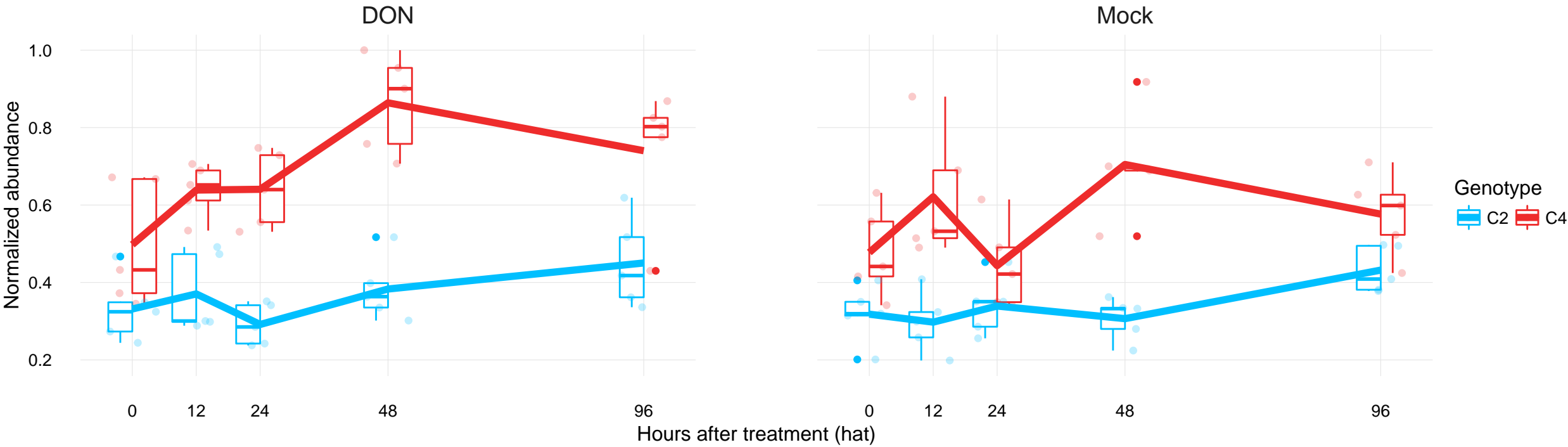
Annotated as Flavonoid (diGlcF)  
(58 database hits)

MZ	579.171
RT	14.99 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	27 /

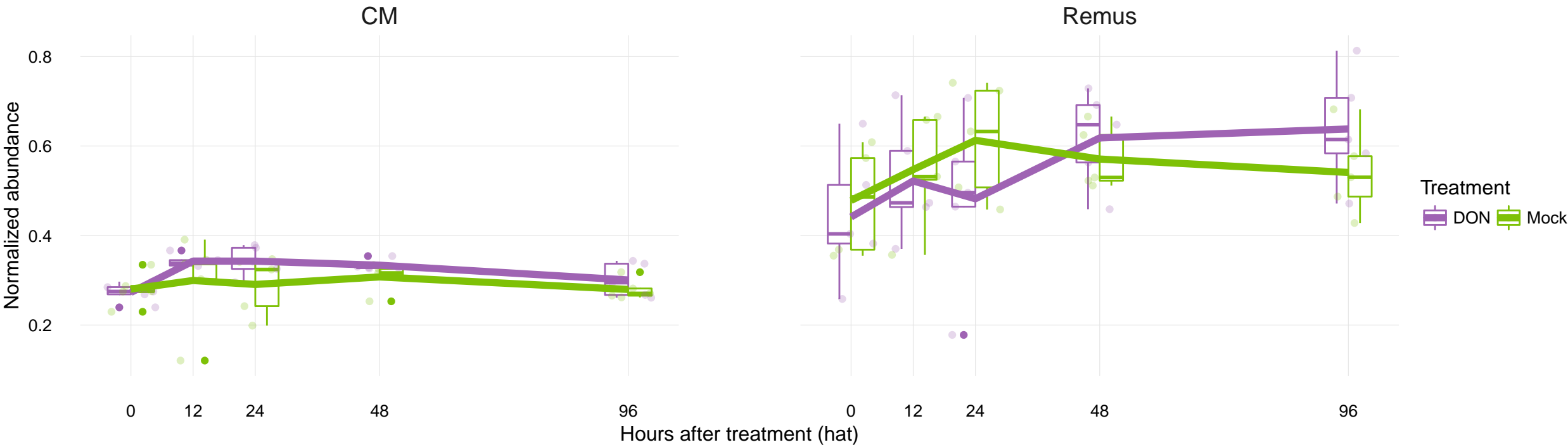
C2, C4; different treatments



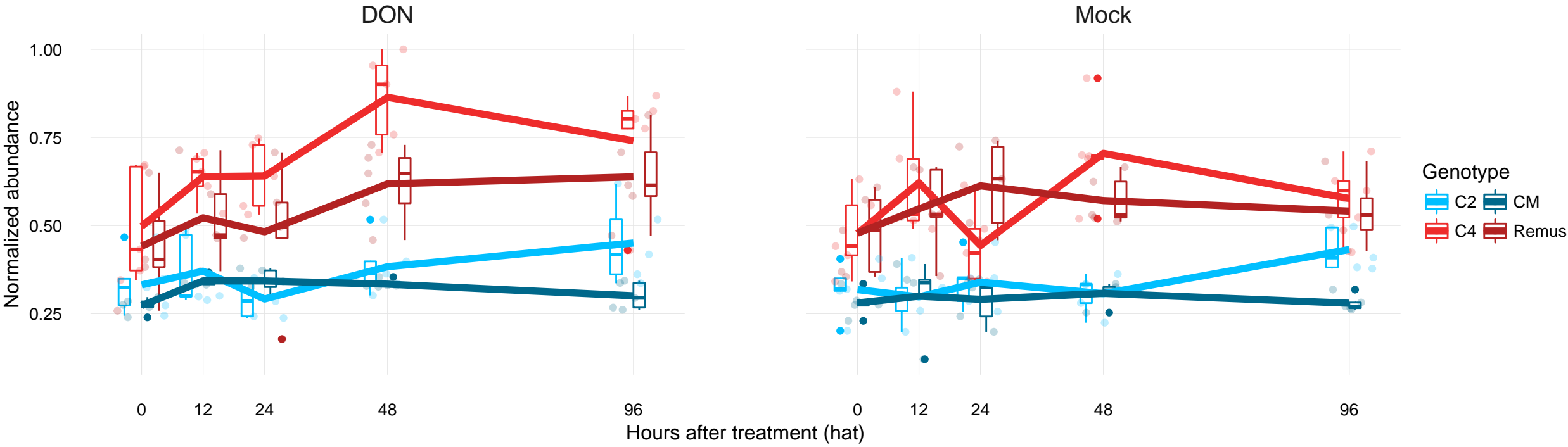
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

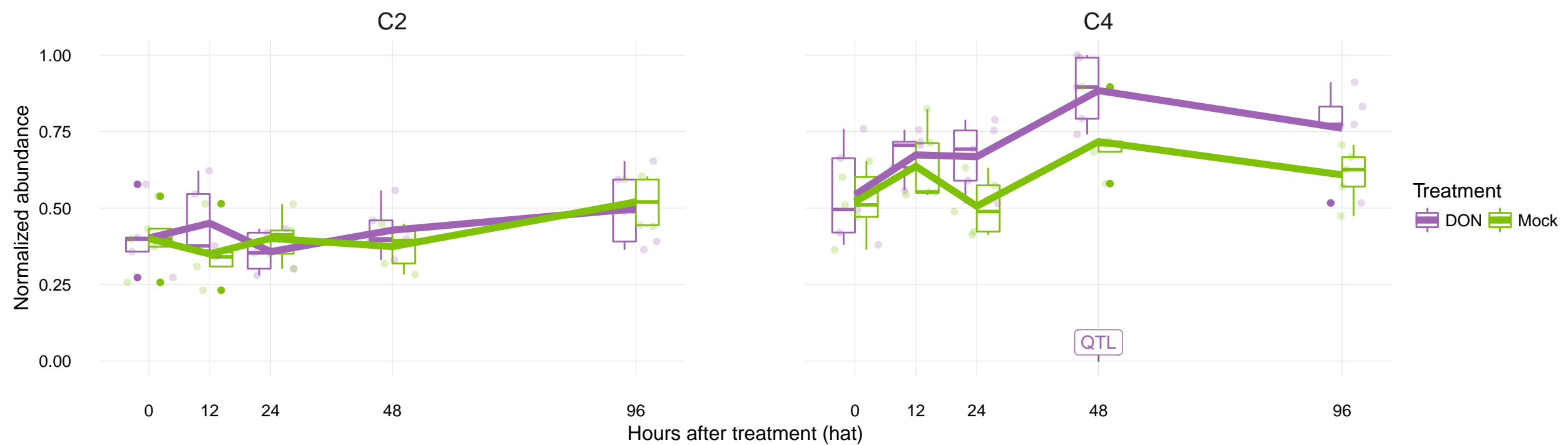


# A.69

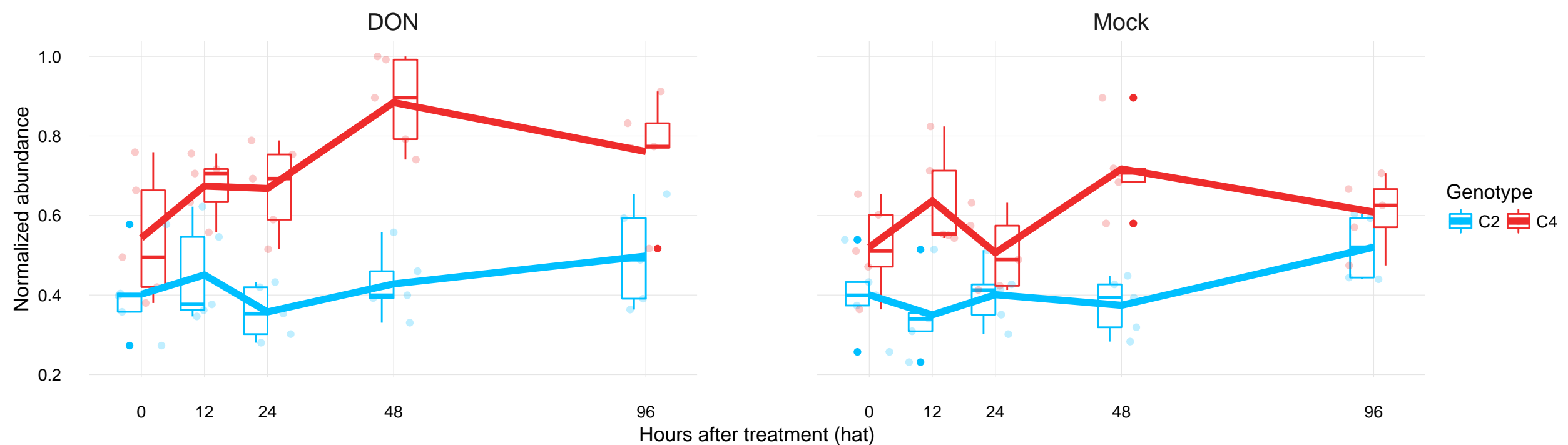
Annotated as Flavonoid (diGlcF)  
(57 database hits)

MZ	565.1558
RT	13.44 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	26 / 9

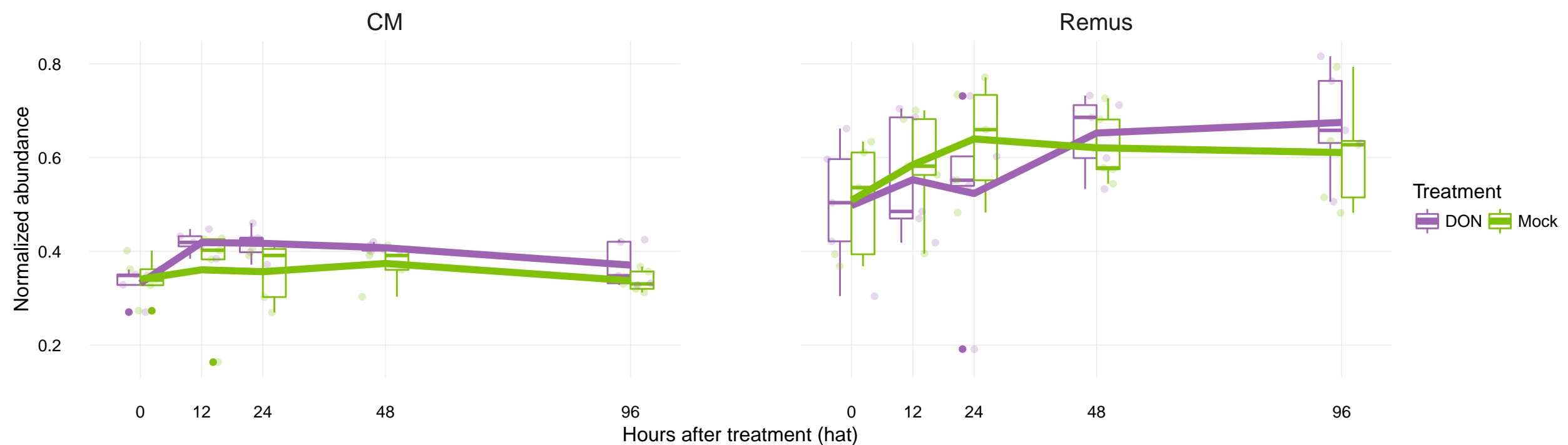
## C2, C4; different treatments



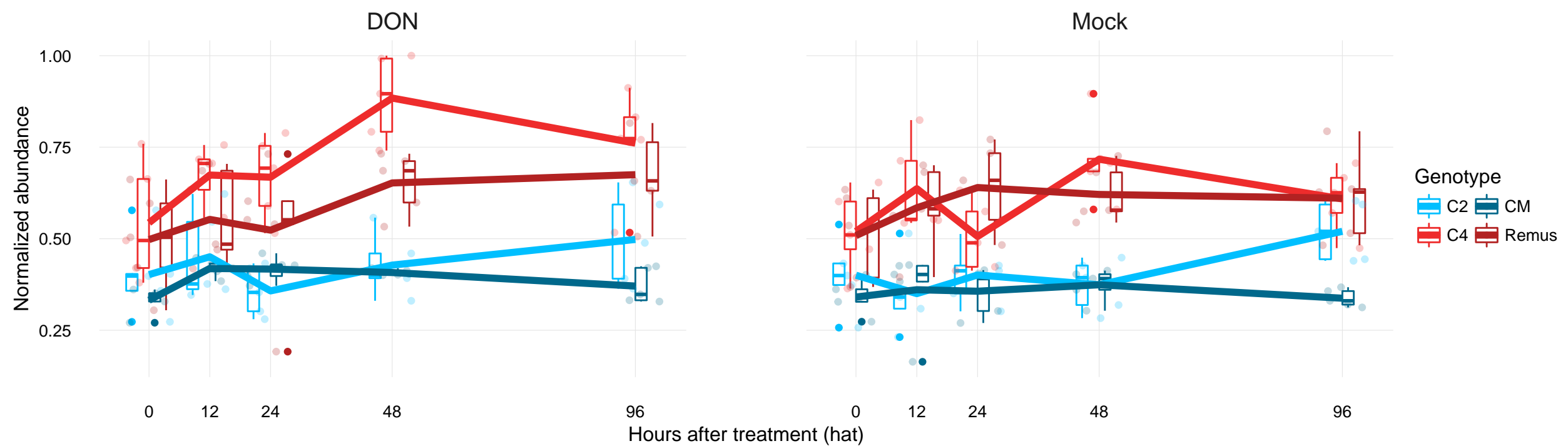
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

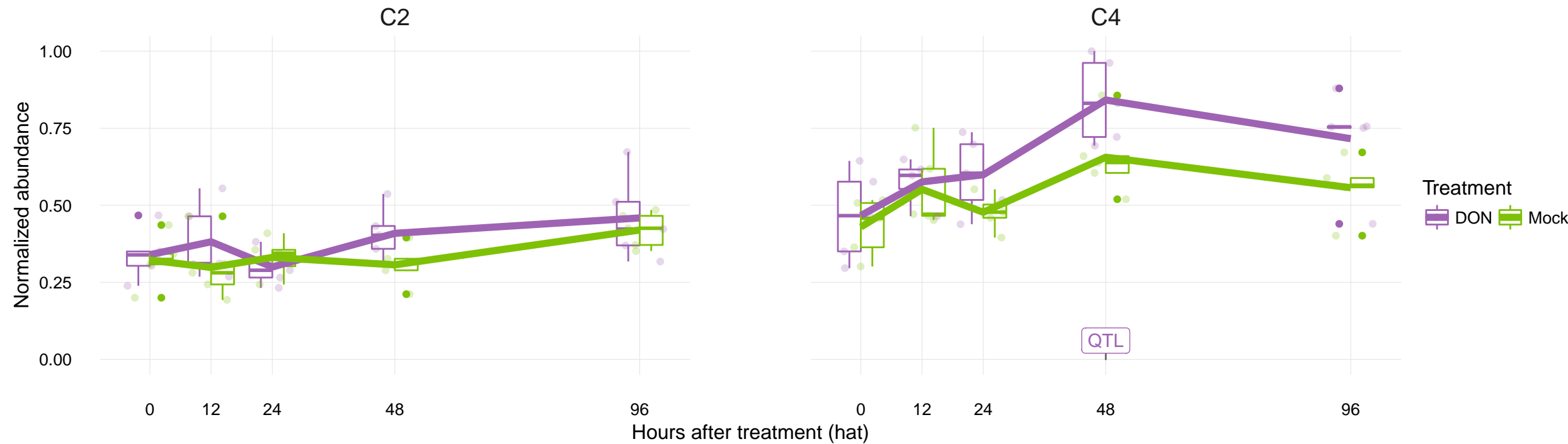


# A.84

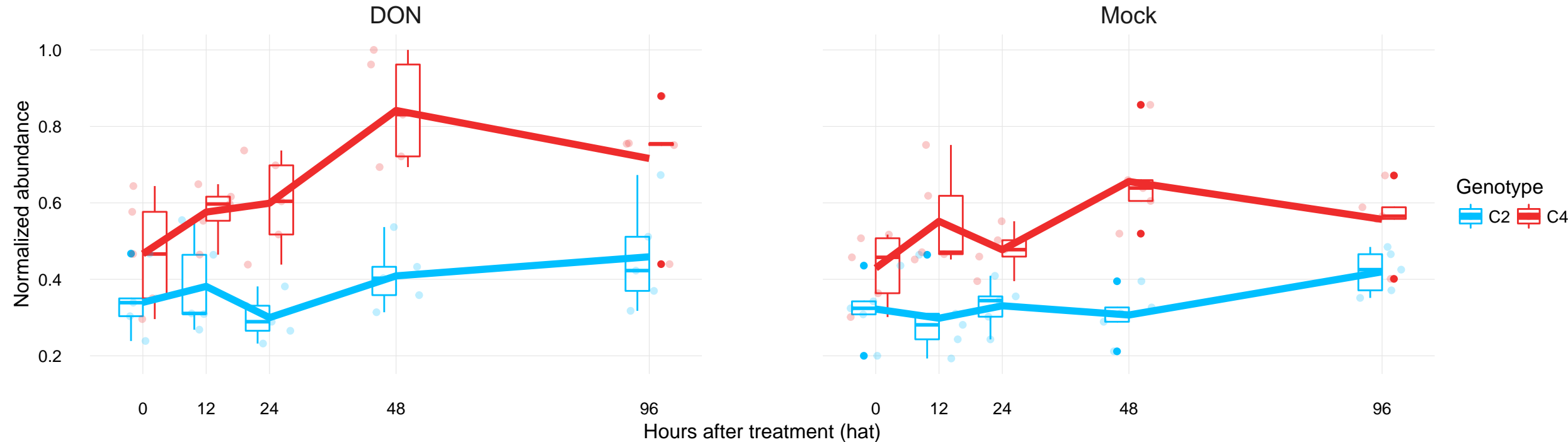
Annotated as Flavonoid (diGlcF)  
(57 database hits)

MZ	565.1558
RT	14.9 min
Normalization	Directly via KPX samples
Cluster	Cluster 4
Cn total / Phe	26 /

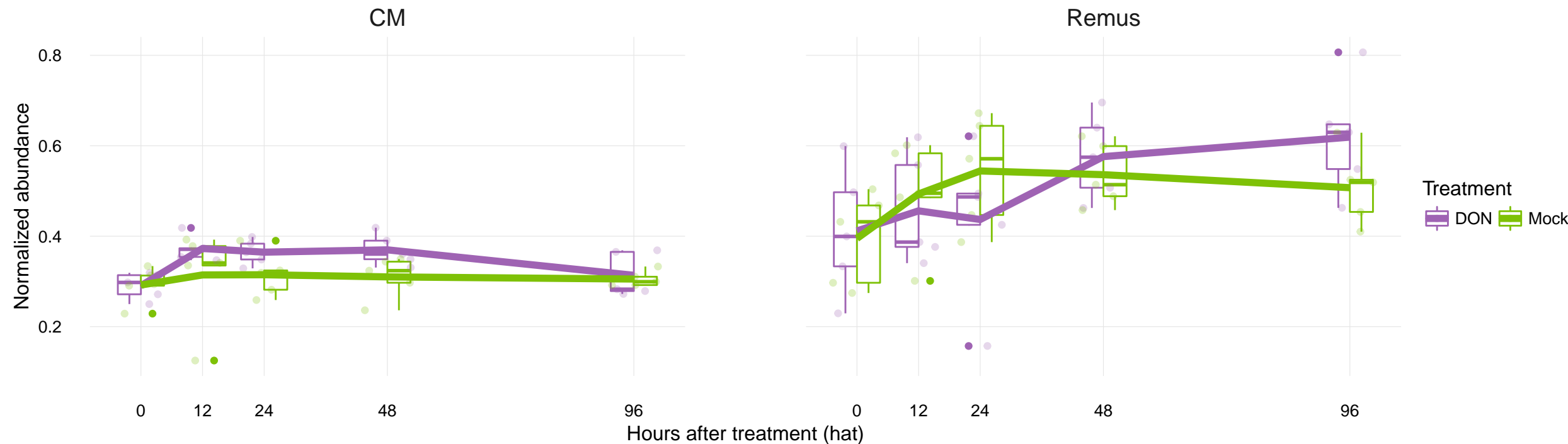
## C2, C4; different treatments



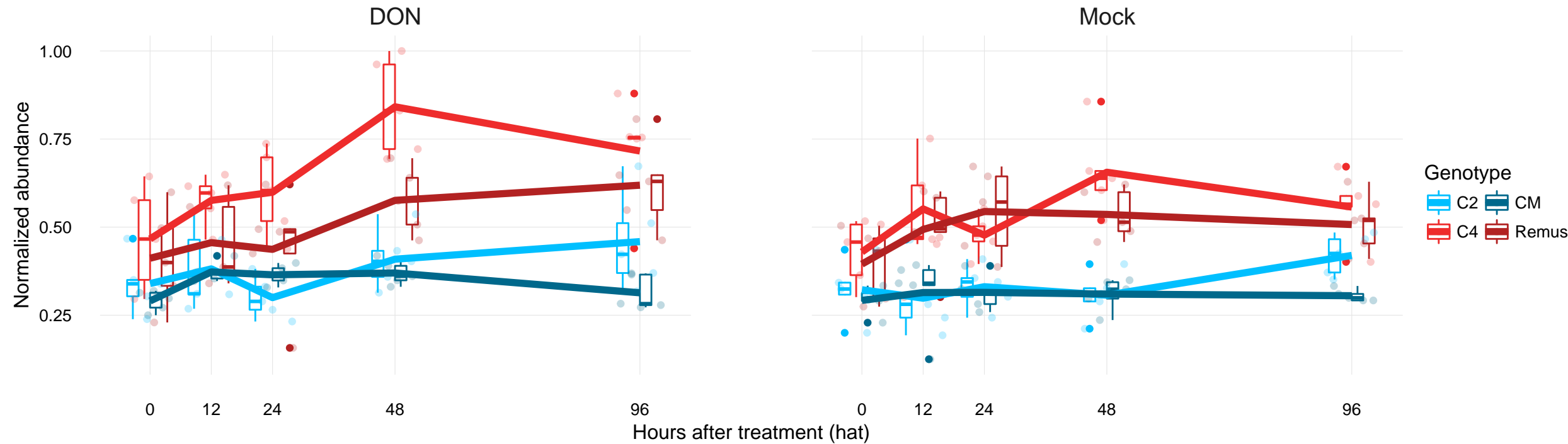
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



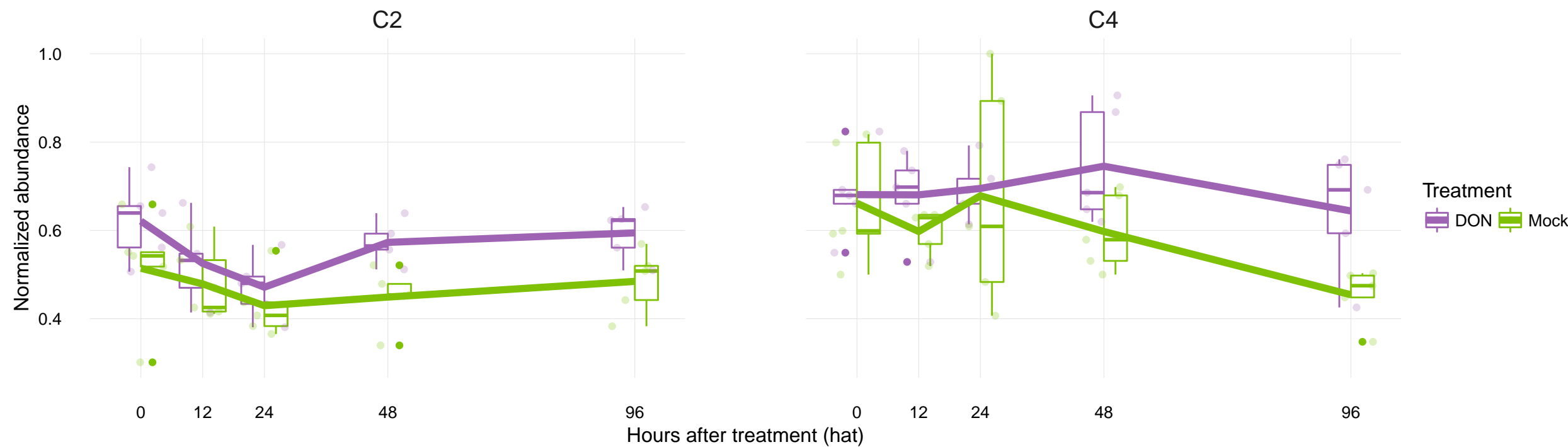


# A.137

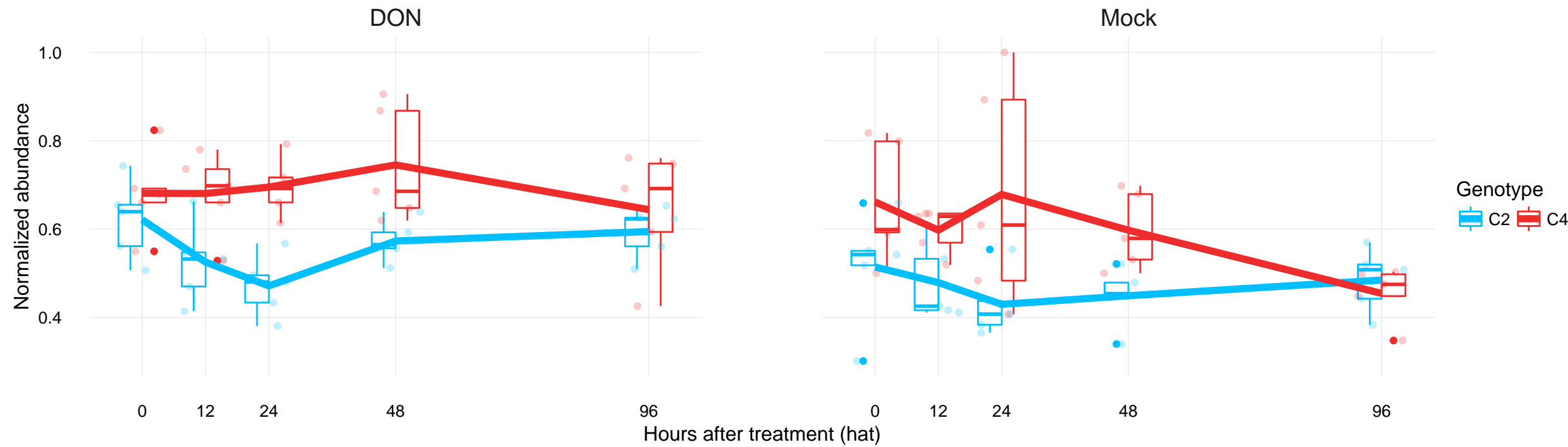
Annotated as Flavonoid or HCA derivative (GlcF)  
(2 database hits)

MZ	527.1548
RT	22.01 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	27 / 9

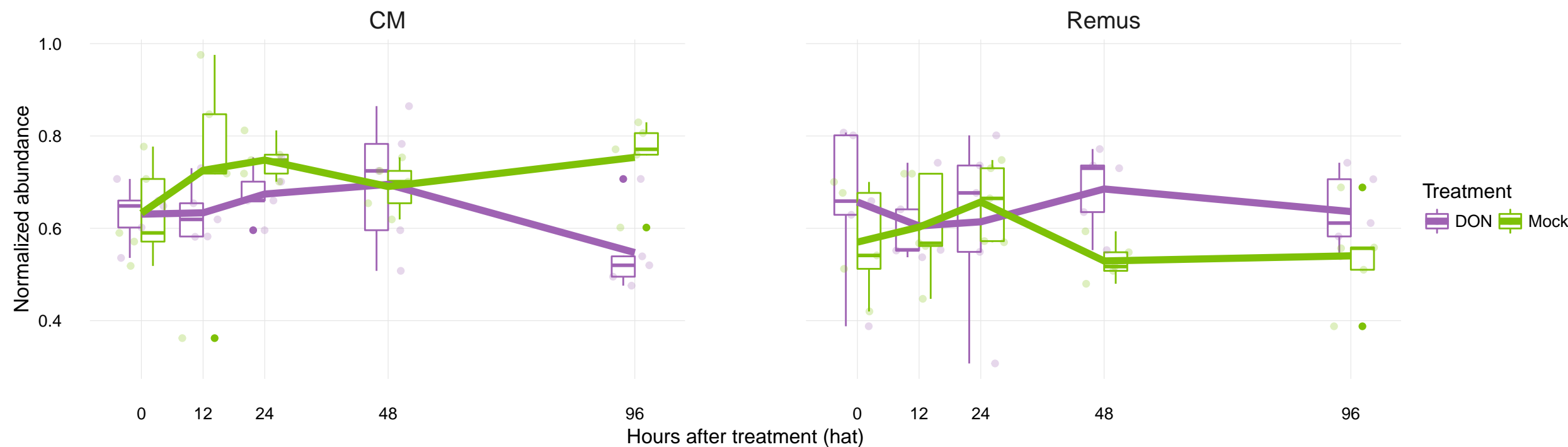
## C2, C4; different treatments



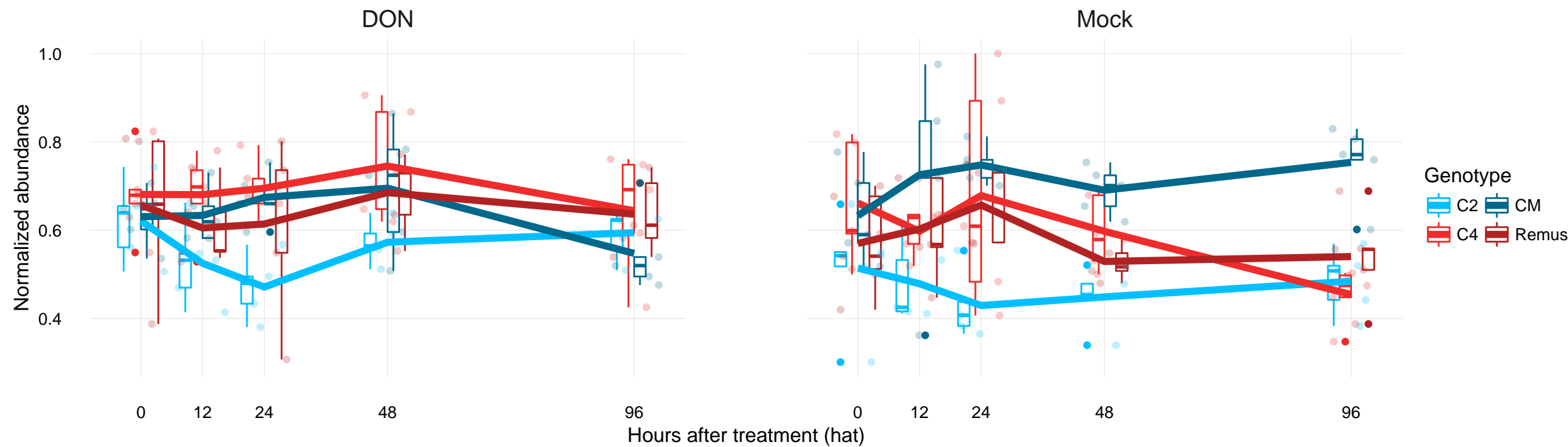
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



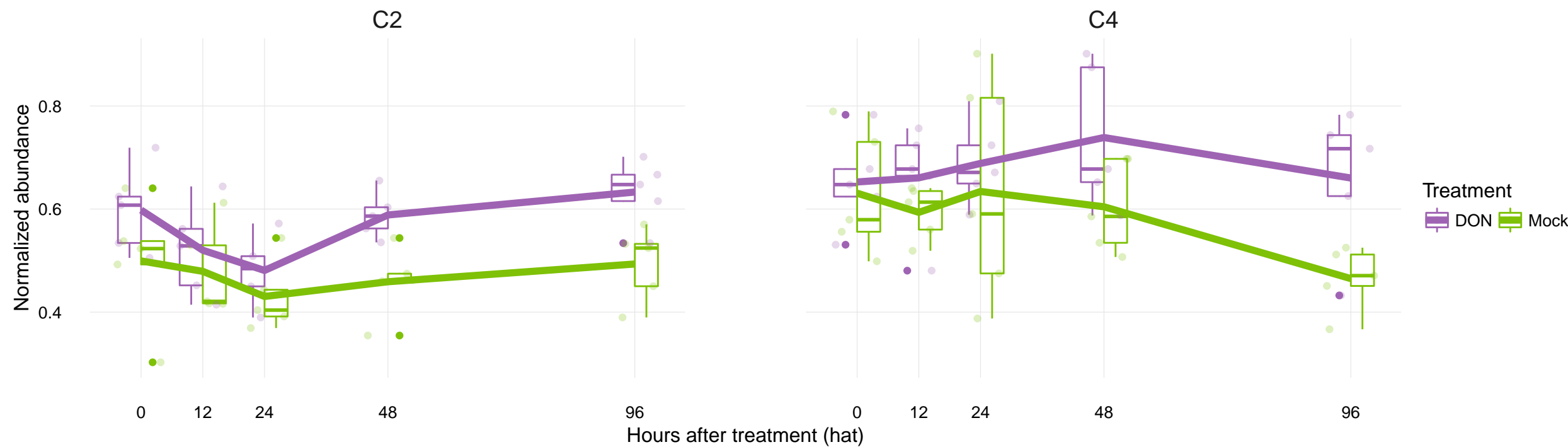


# A.133

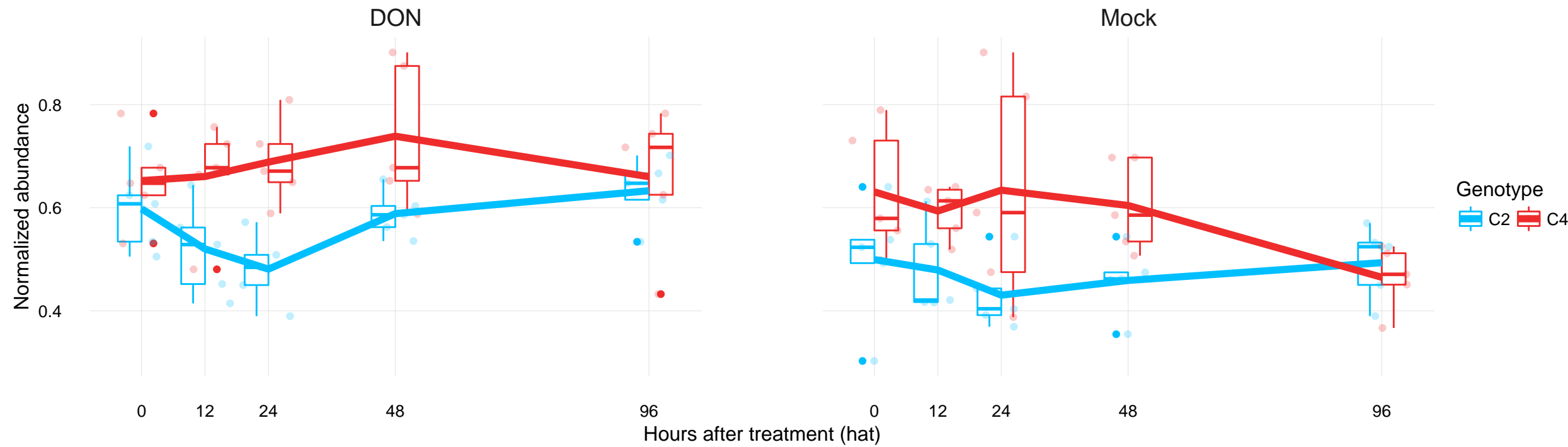
Annotated as Flavonoid or HCA derivative (GlcF)  
(2 database hits)

MZ	527.1548
RT	21.45 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	27 / 9

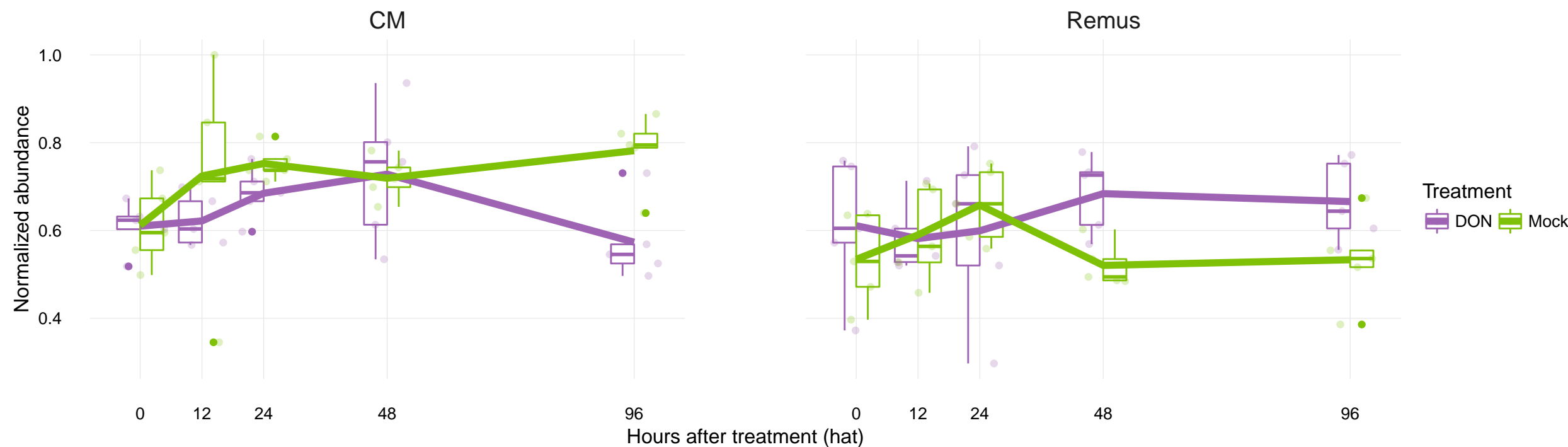
## C2, C4; different treatments



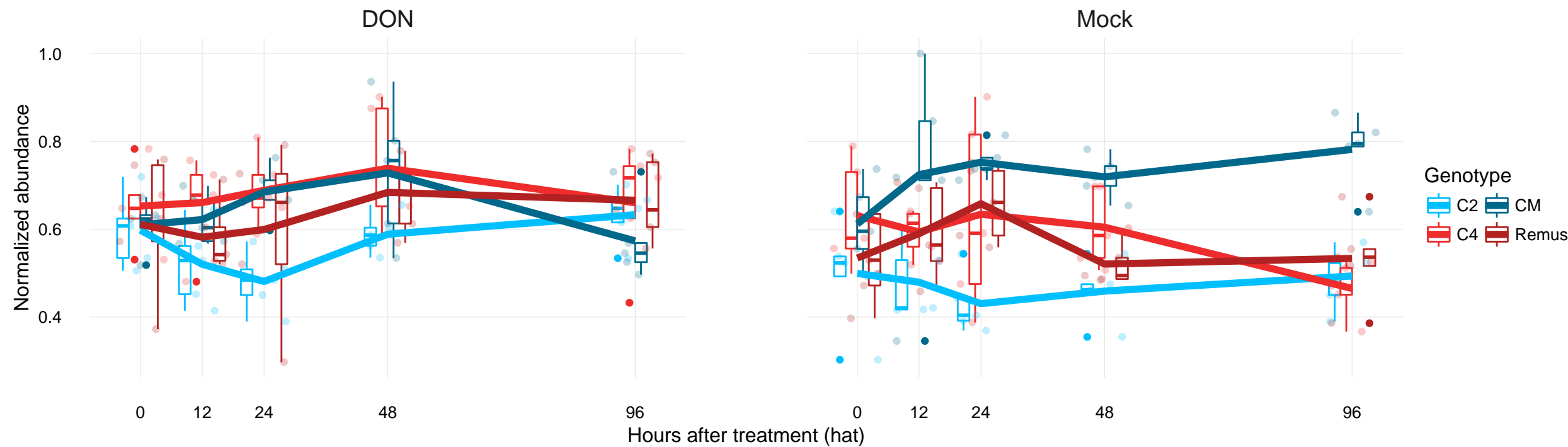
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

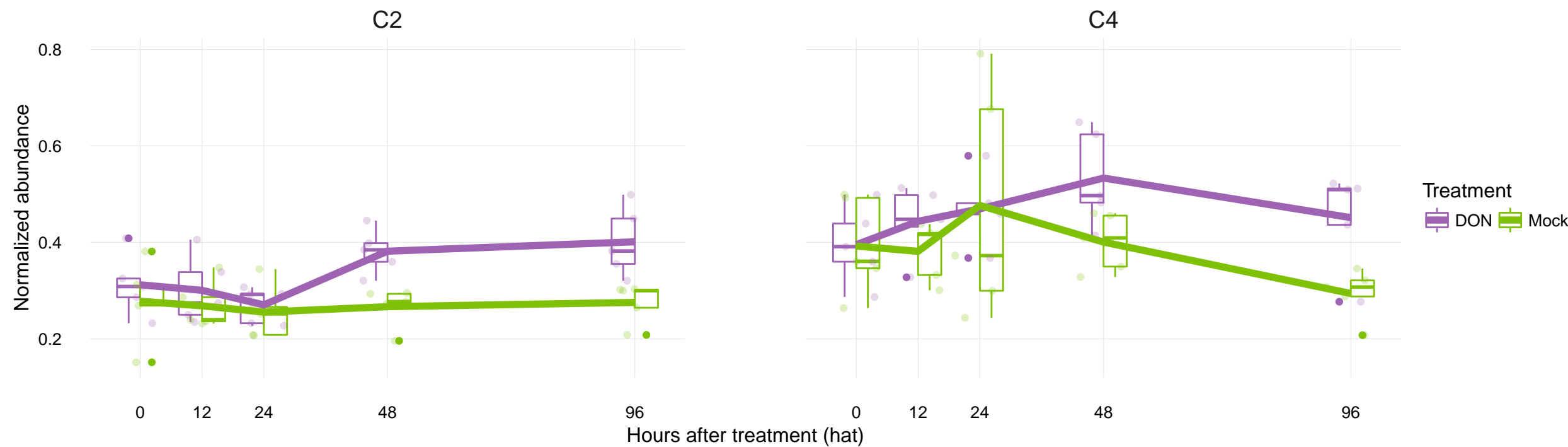


# A.130

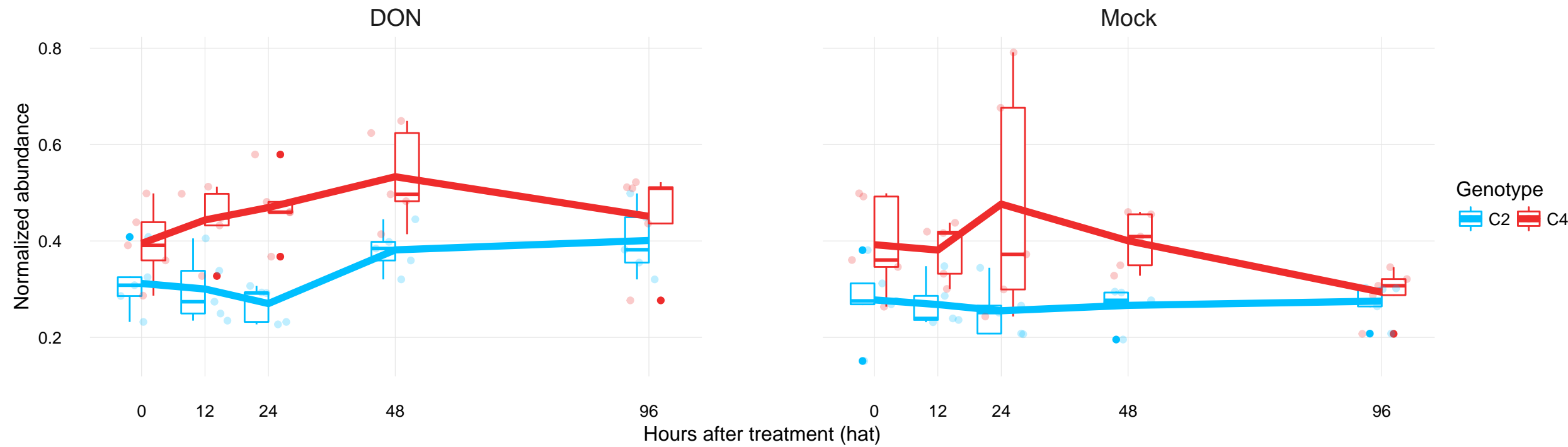
Annotated as Flavonoid (diF)  
(1 database hit)

MZ	675.2072
RT	20.99 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	36 /

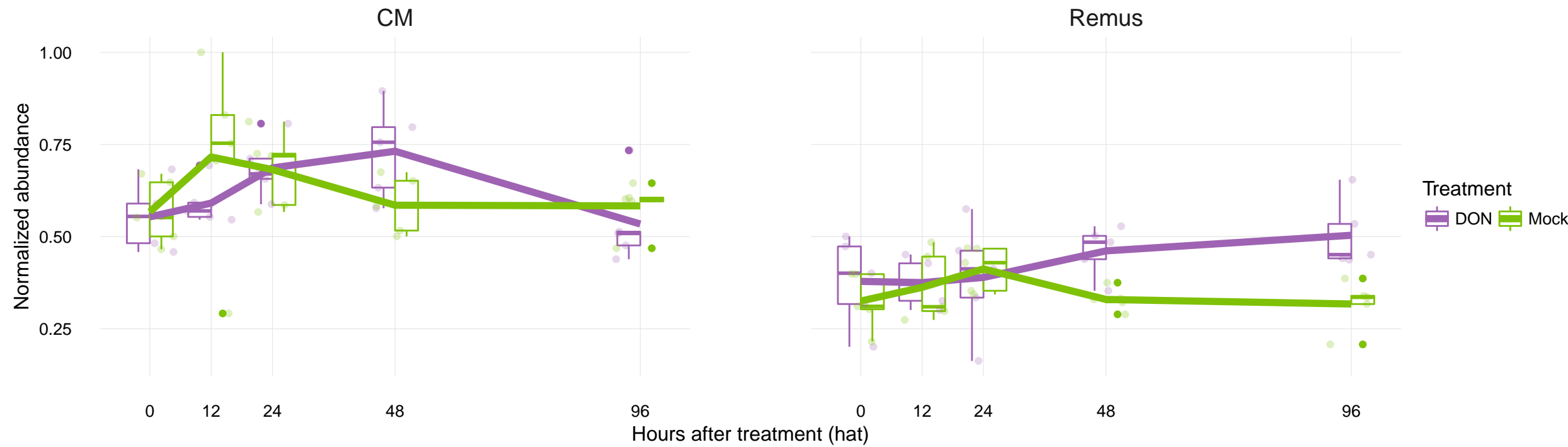
## C2, C4; different treatments



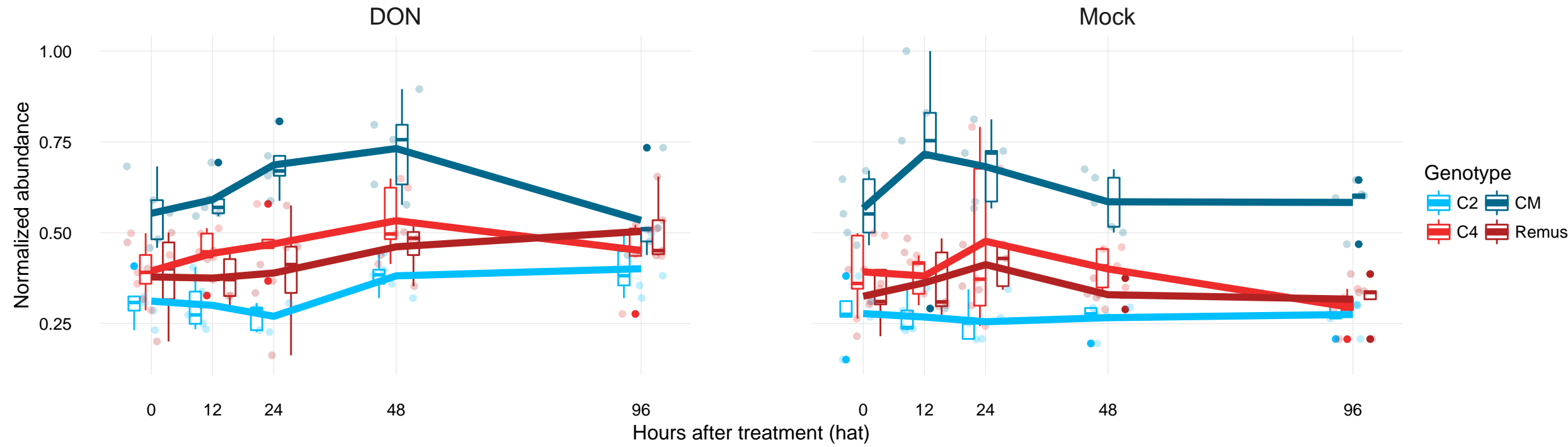
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

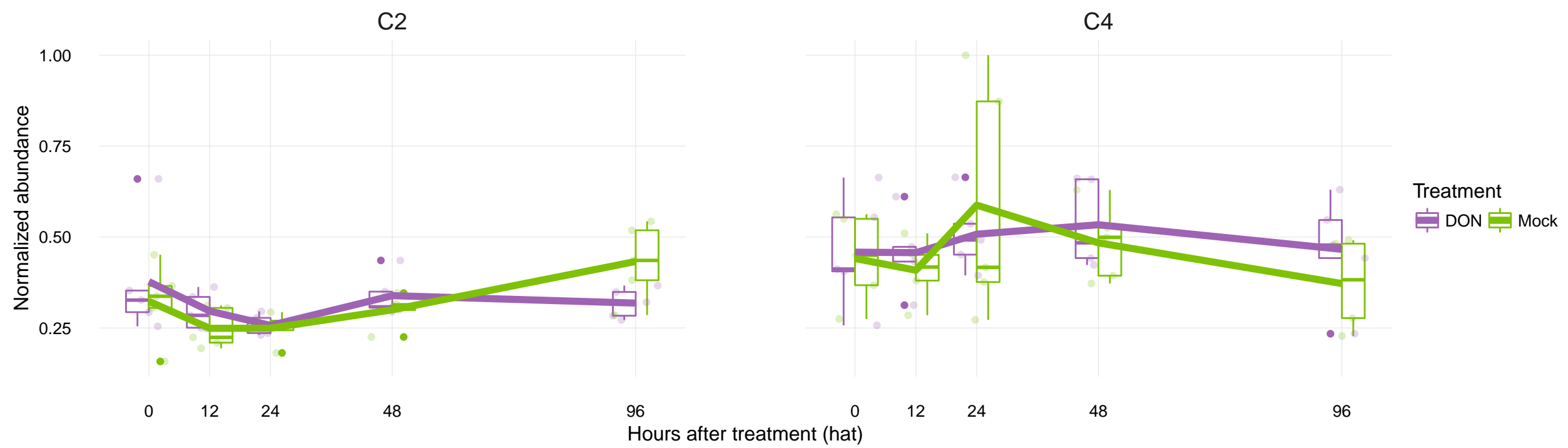


# U.15

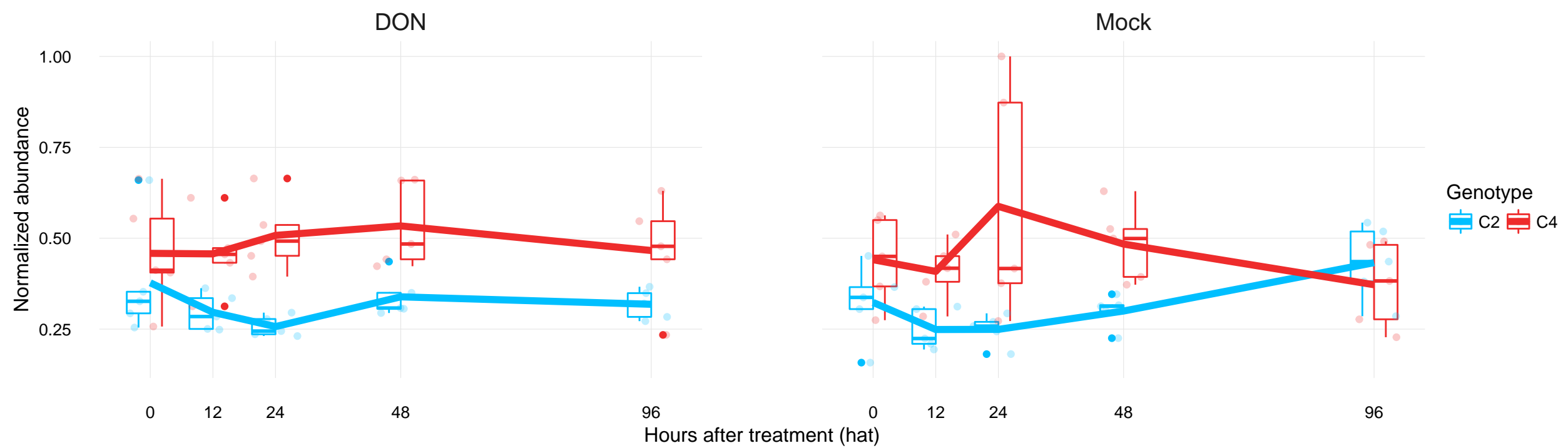
Unknown Phe-derived wheat-metabolite

MZ	331.082
RT	21.72 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	18 / 18

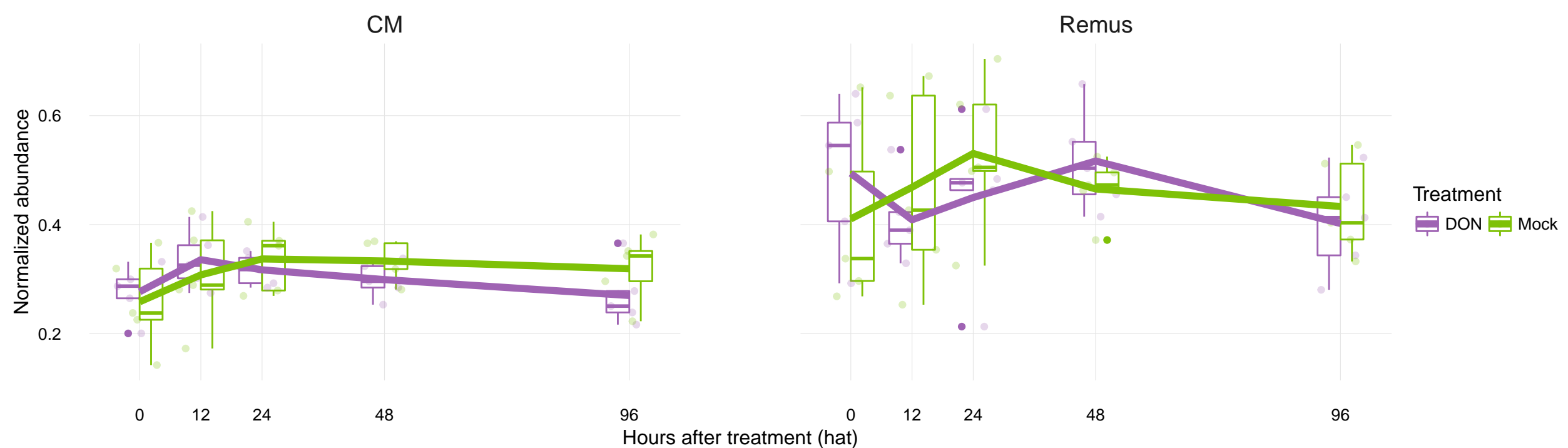
## C2, C4; different treatments



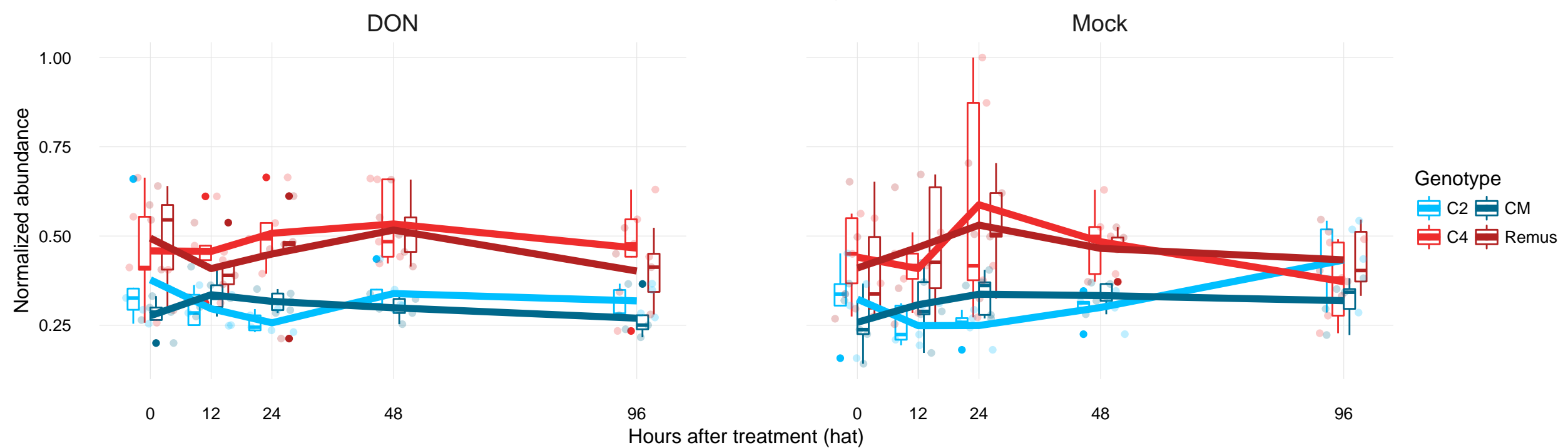
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

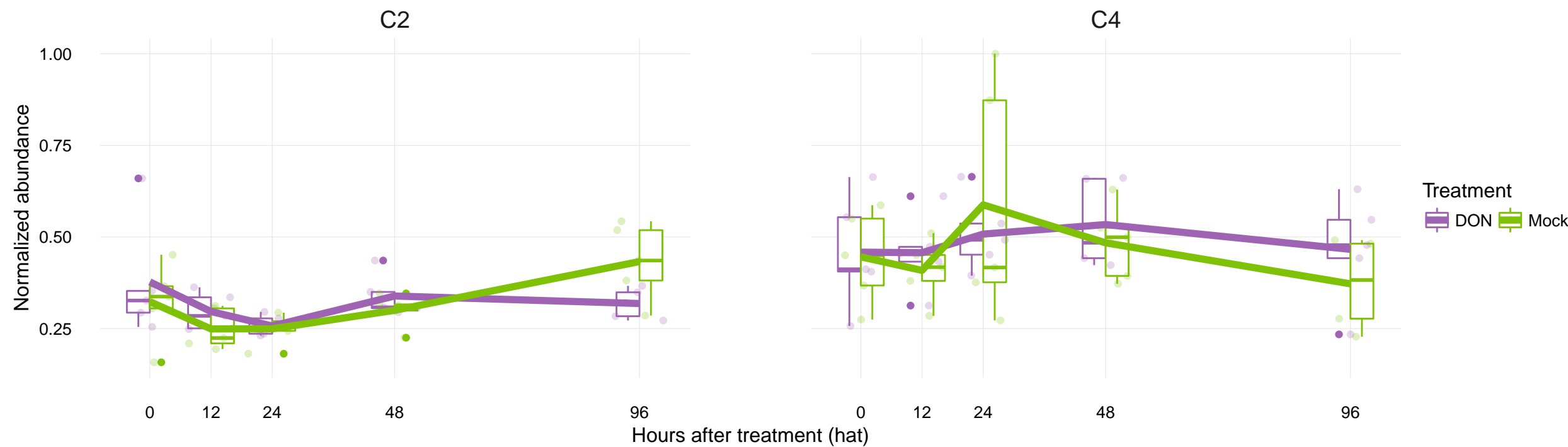


# A.136

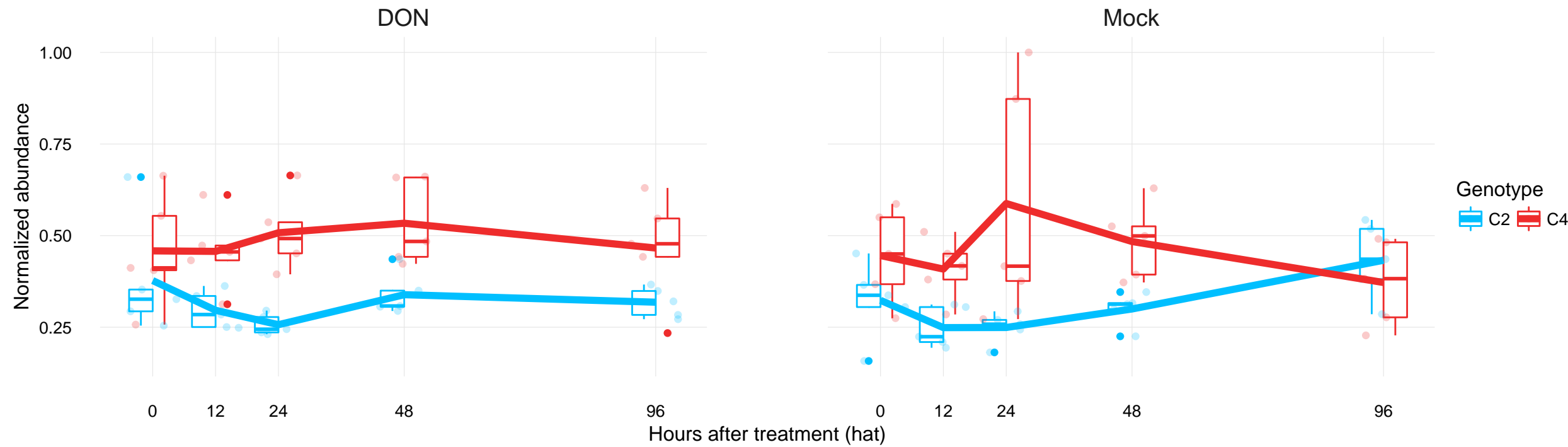
Annotated as Flavonoid  
(74 database hits)

MZ	331.0814
RT	21.68 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	17 / 9

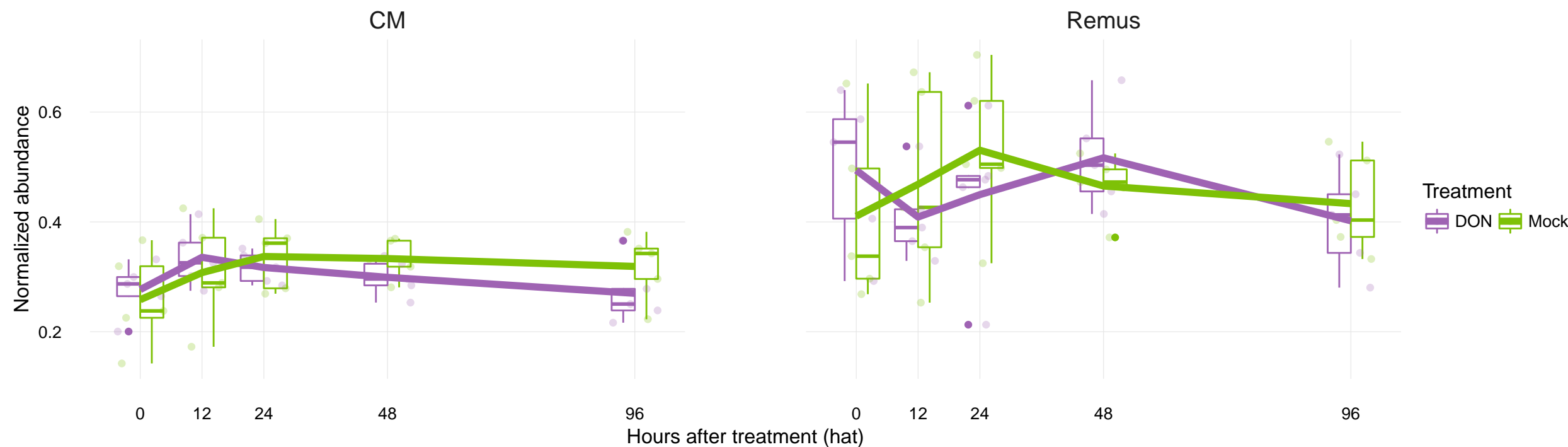
## C2, C4; different treatments



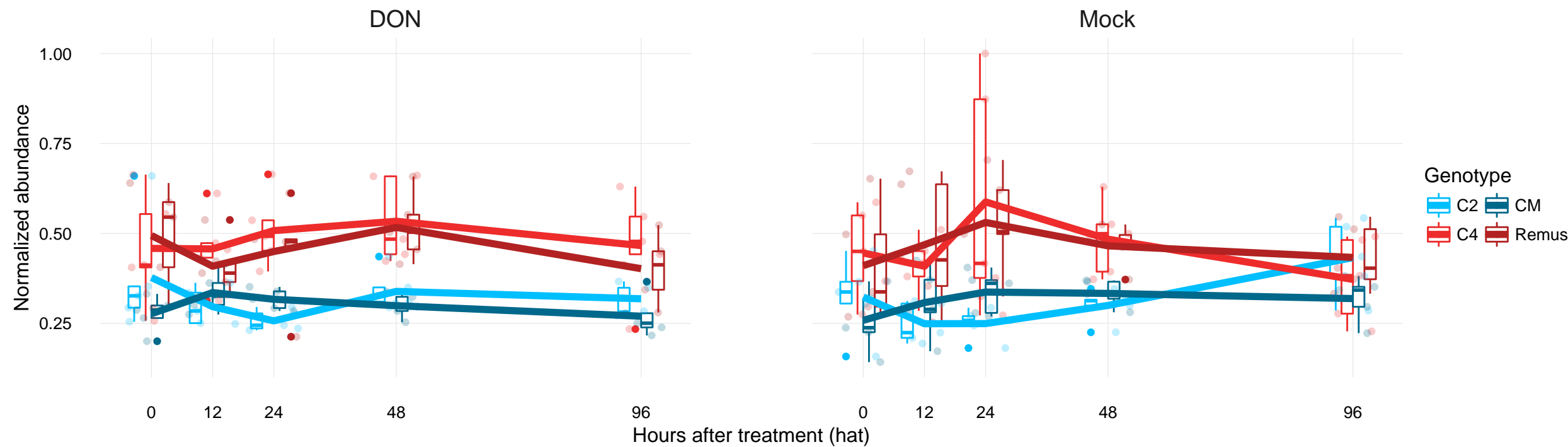
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

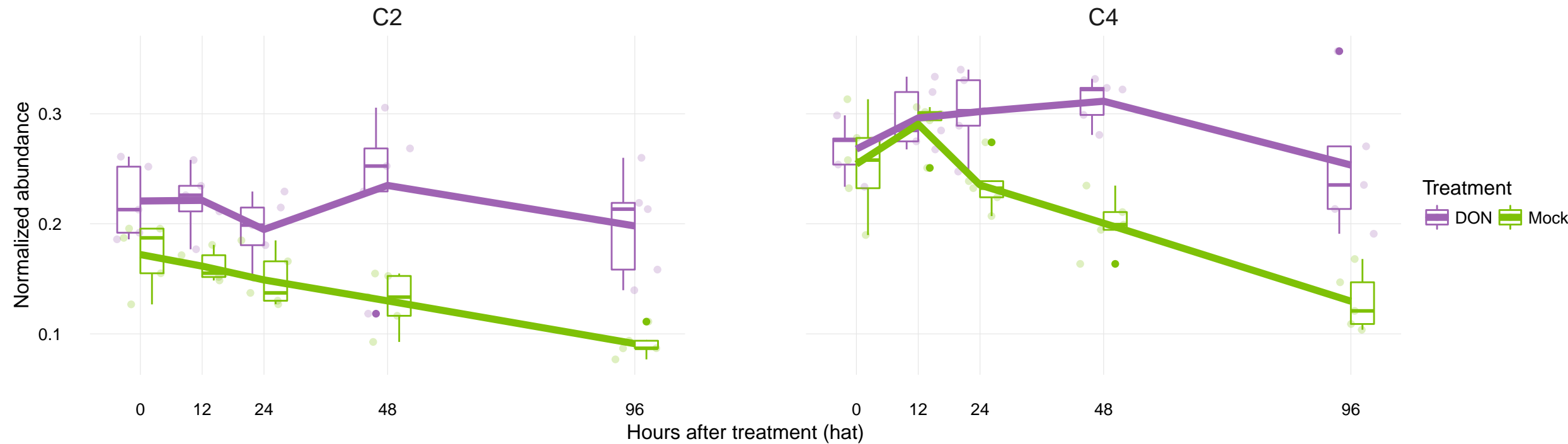


# A.83

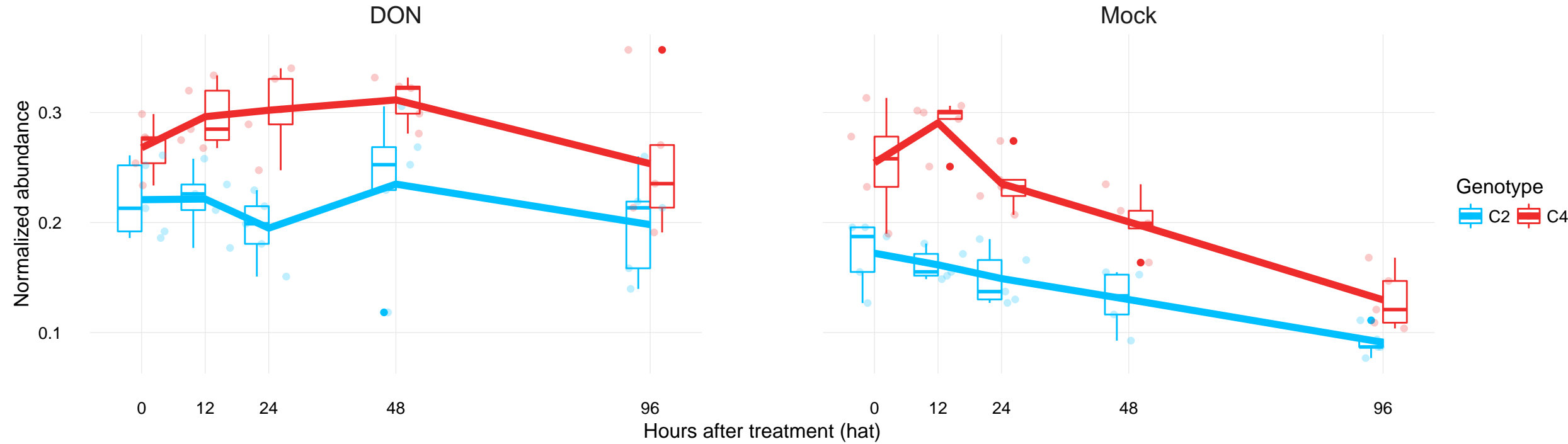
Annotated as Flavonoid (GlcF)  
(6 database hits)

MZ	557.1631
RT	14.88 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	26 /

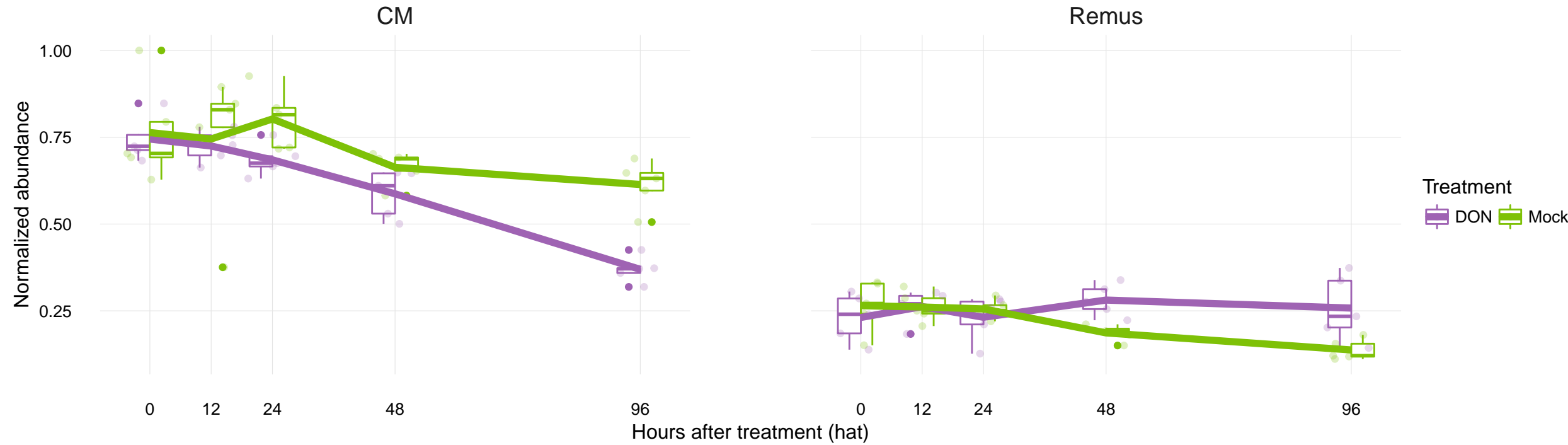
## C2, C4; different treatments



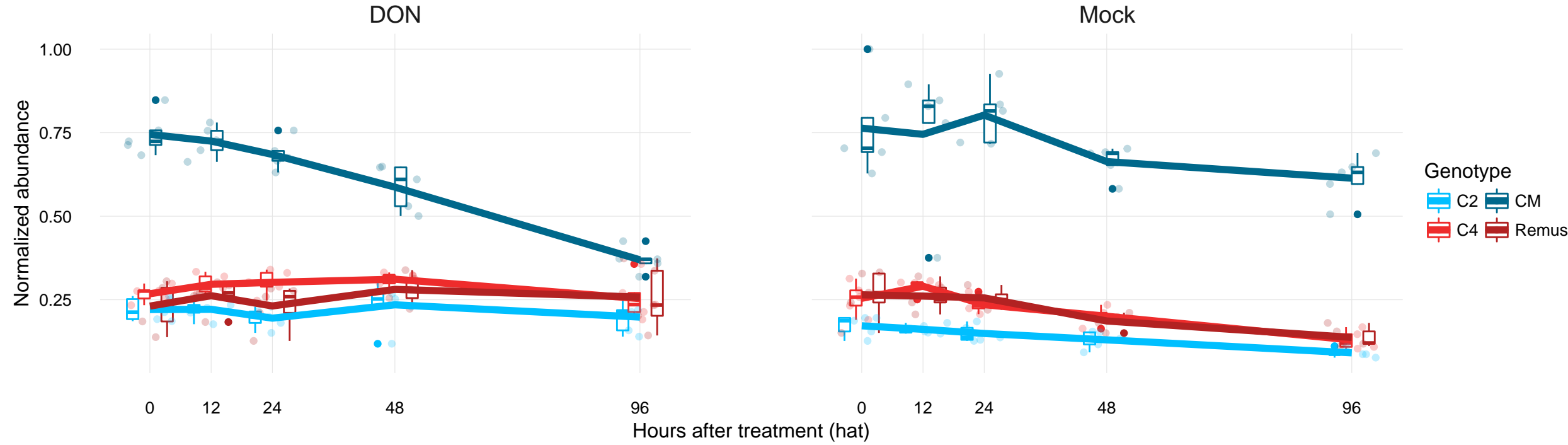
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

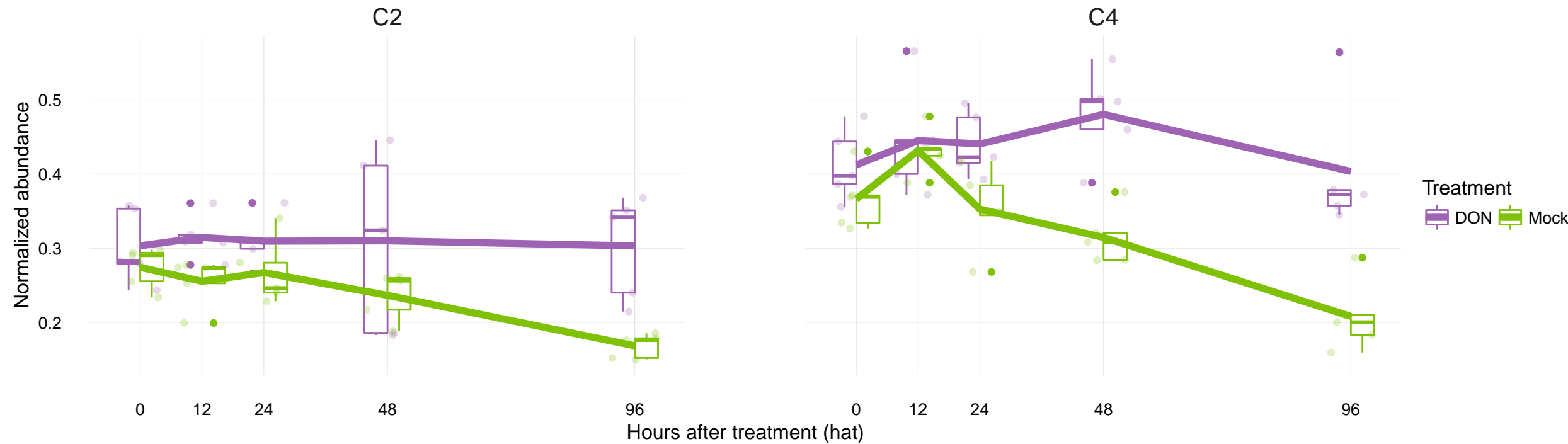


# A.45

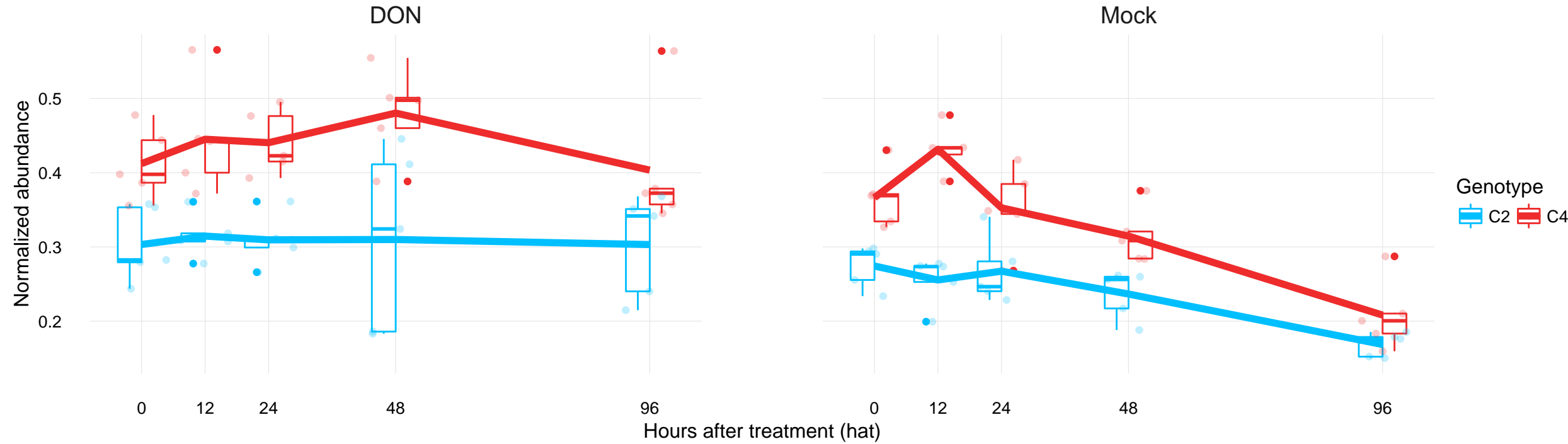
Annotated as Flavonoid  
(30 database hits)

MZ	373.1284
RT	11.58 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	20 /

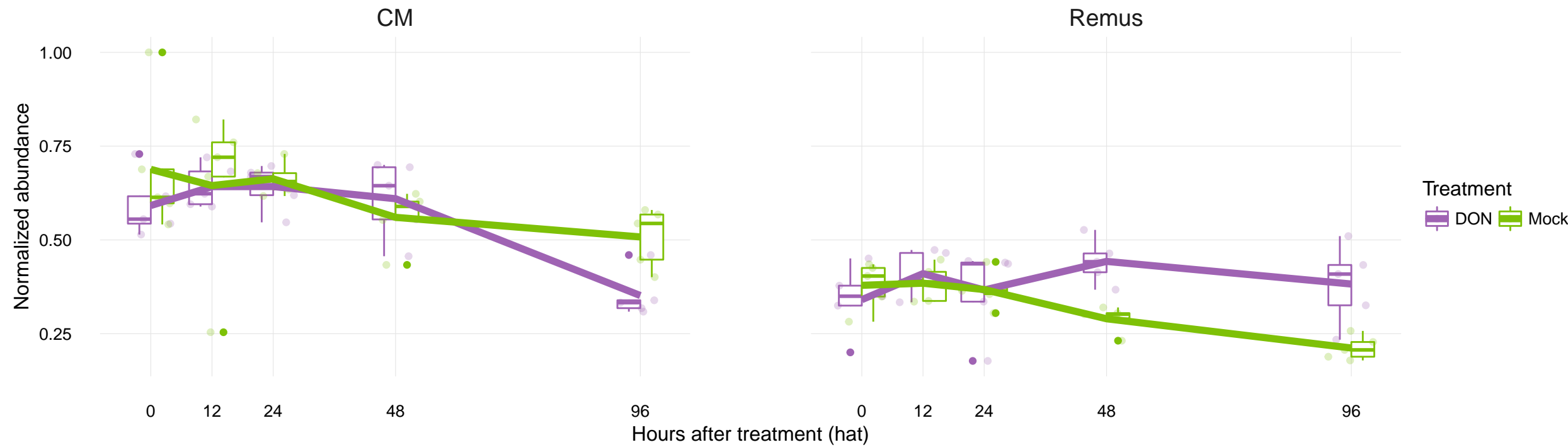
## C2, C4; different treatments



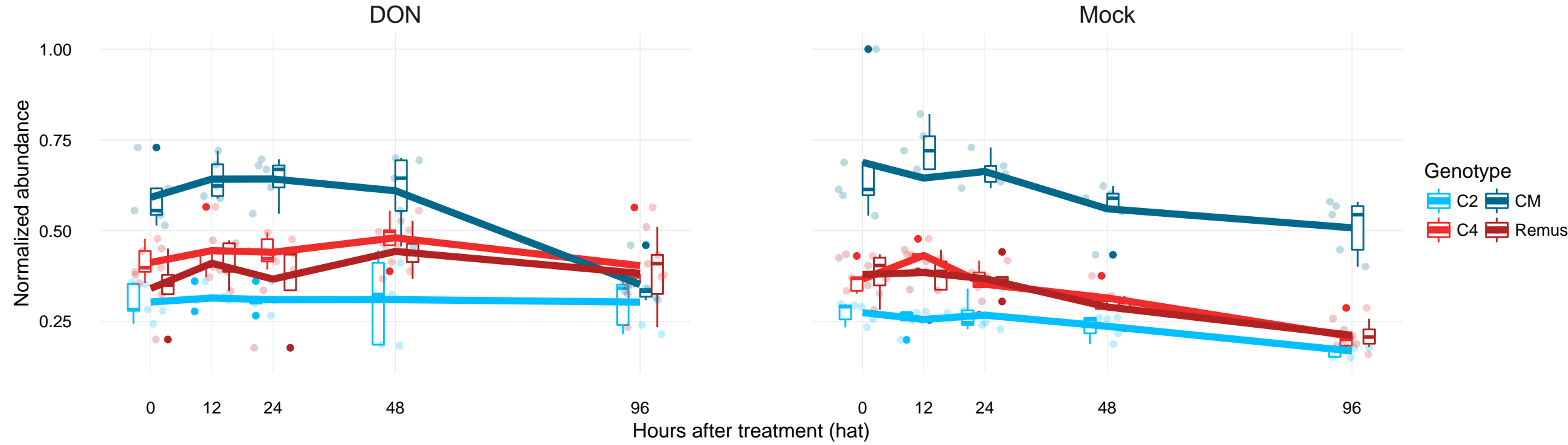
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



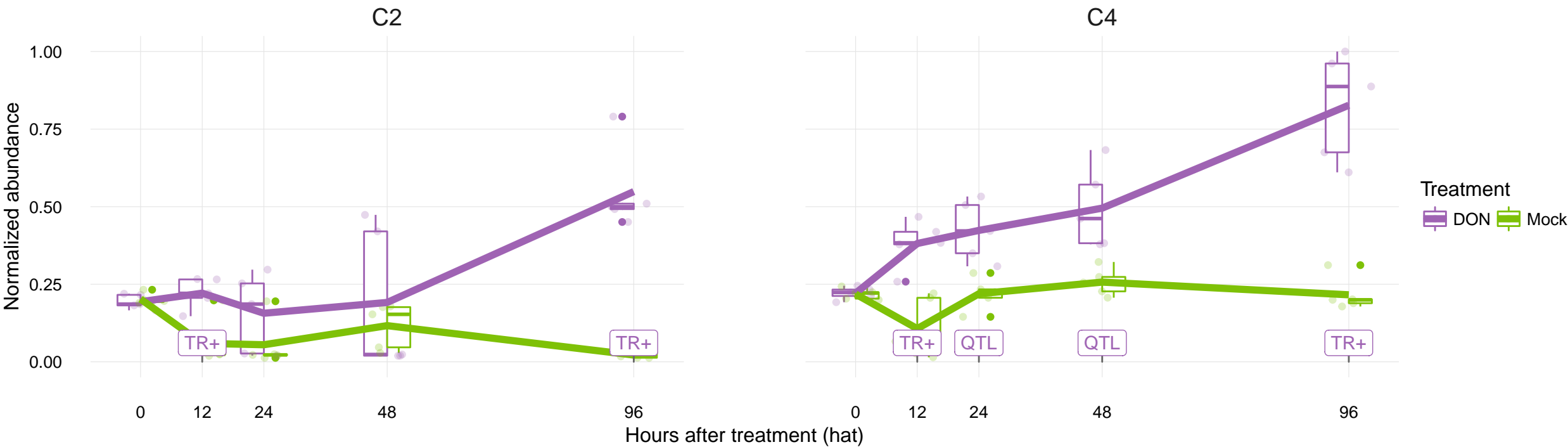


# A.39

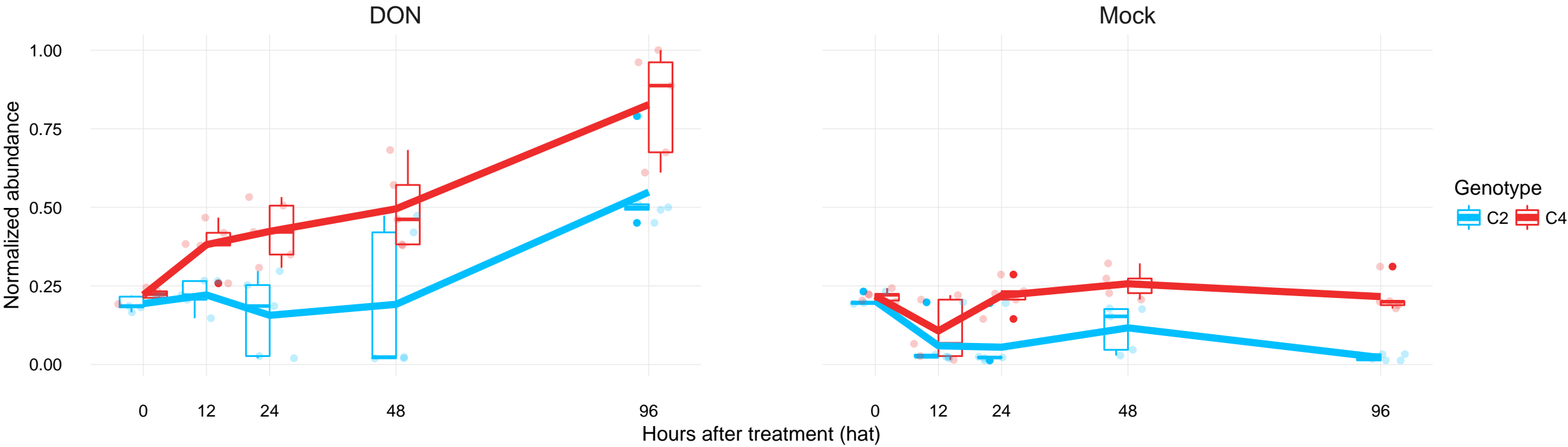
Annotated as others (Coumarins)  
(1 database hit)

MZ	177.0546
RT	10.3 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	10 / 9

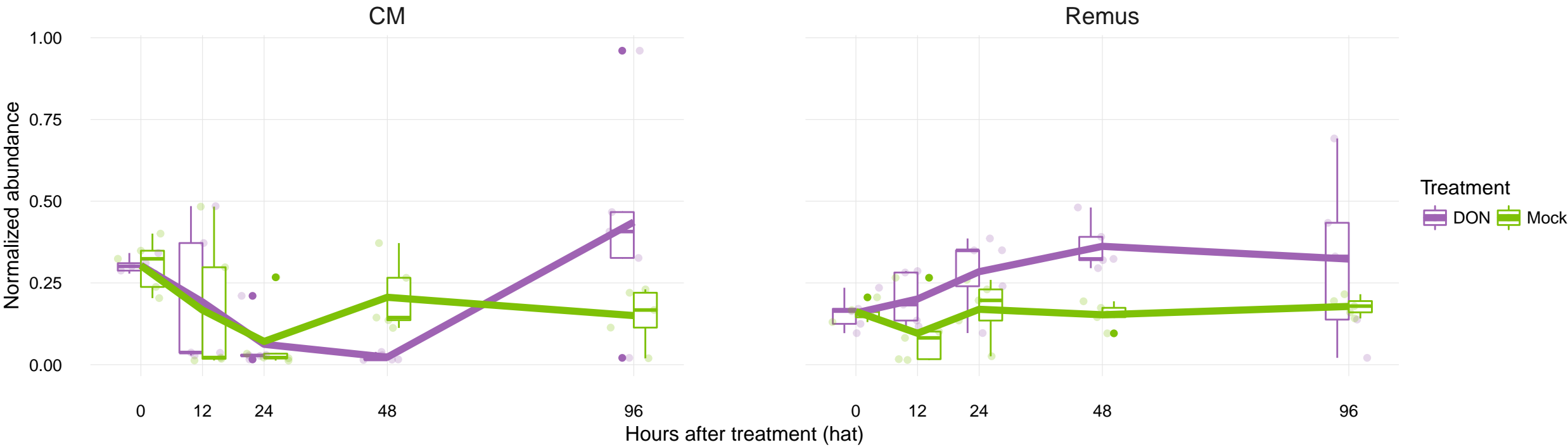
## C2, C4; different treatments



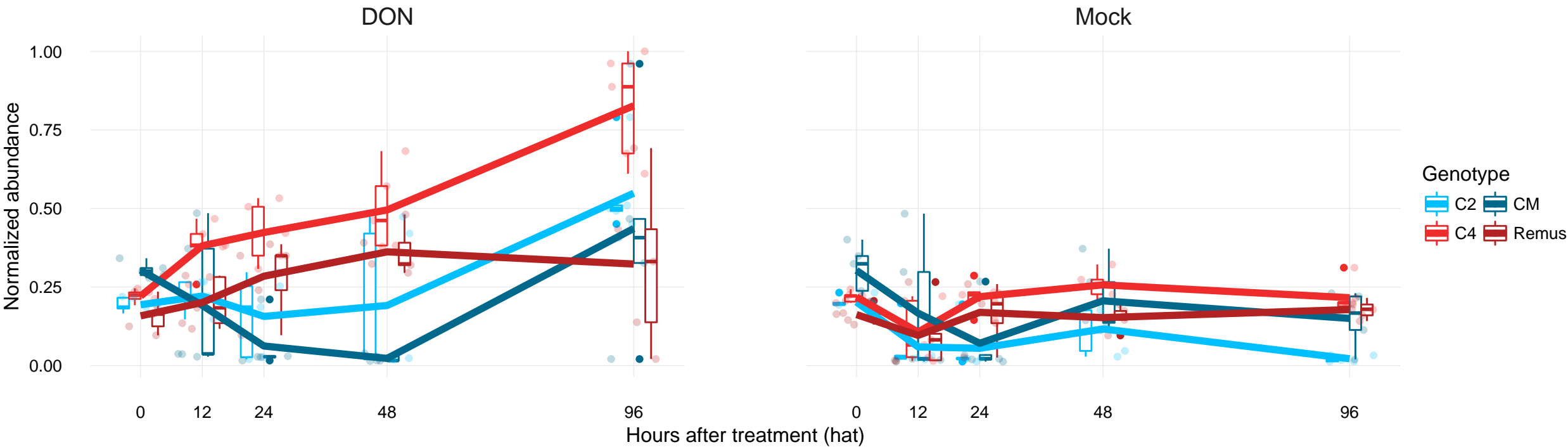
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



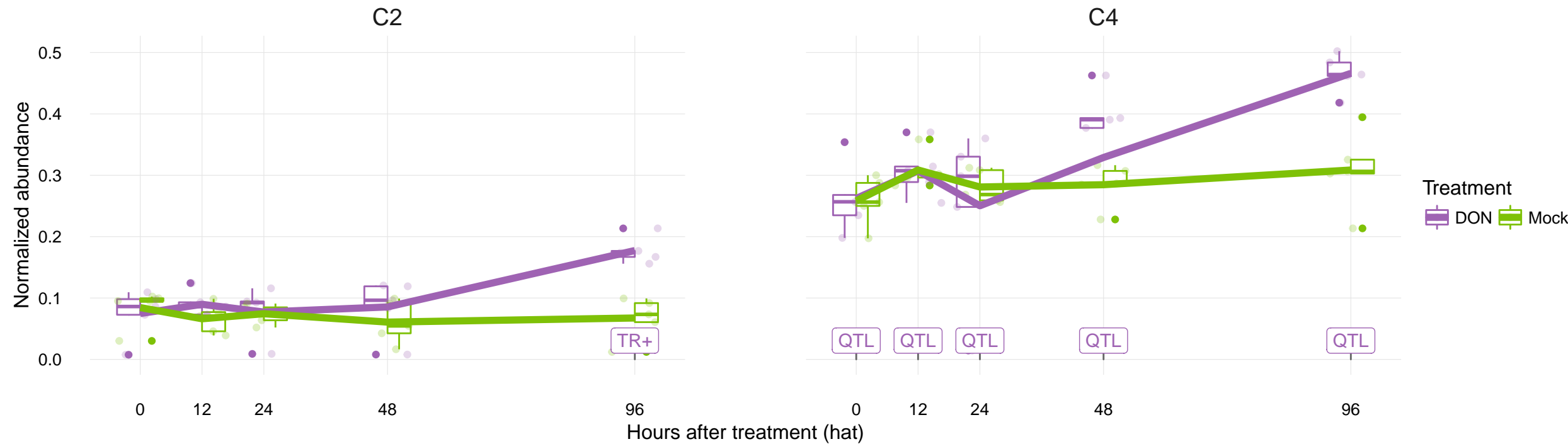


# A.47

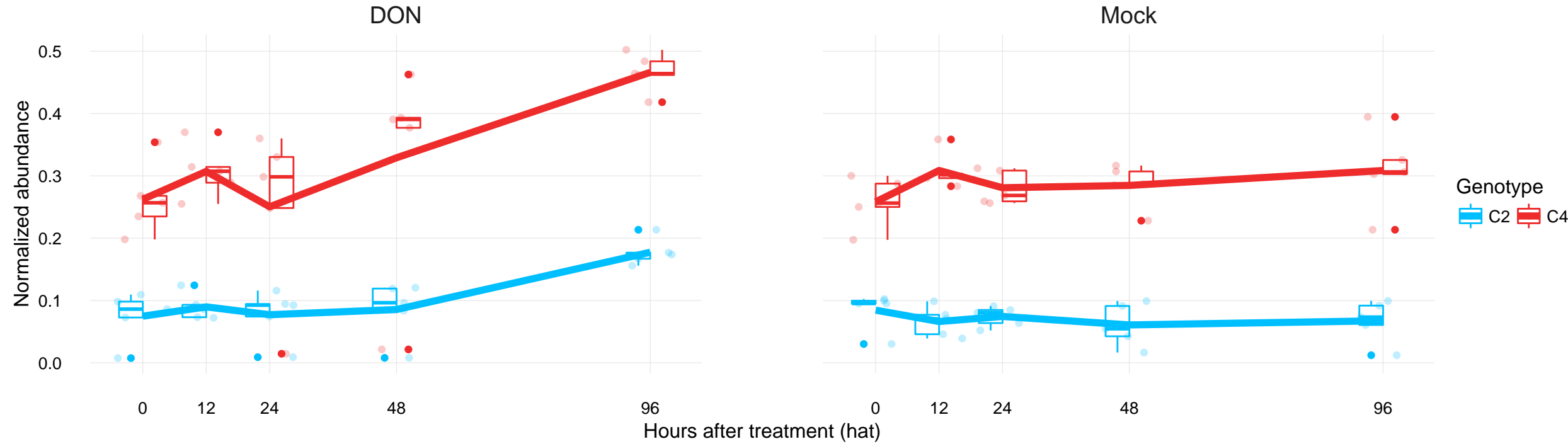
Annotated as HCA derivative  
(1 database hit)

MZ	369.1182
RT	11.61 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	17 /

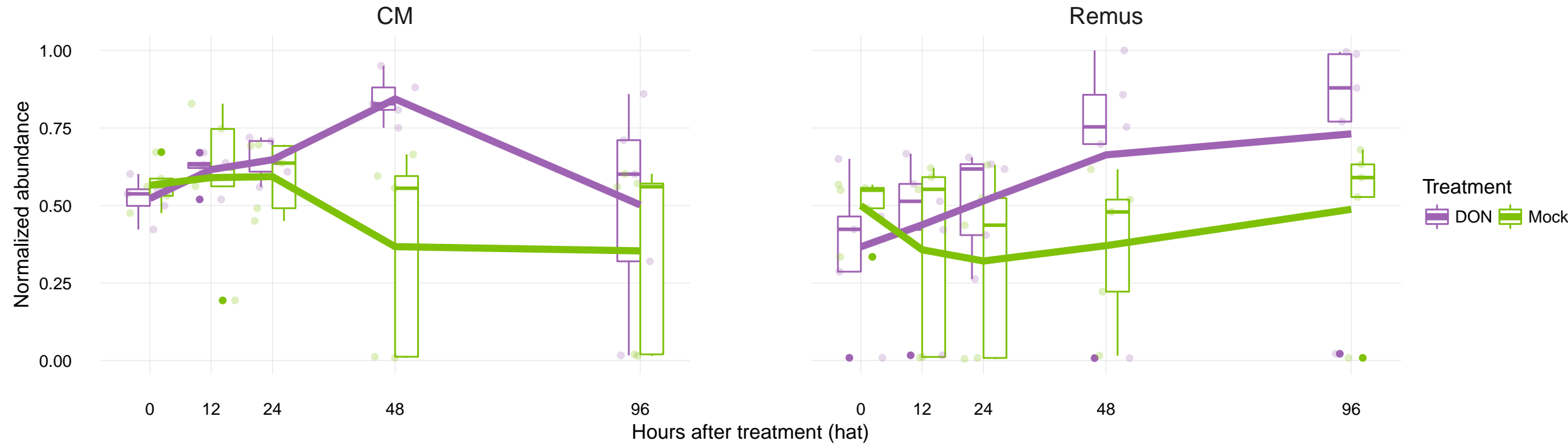
## C2, C4; different treatments



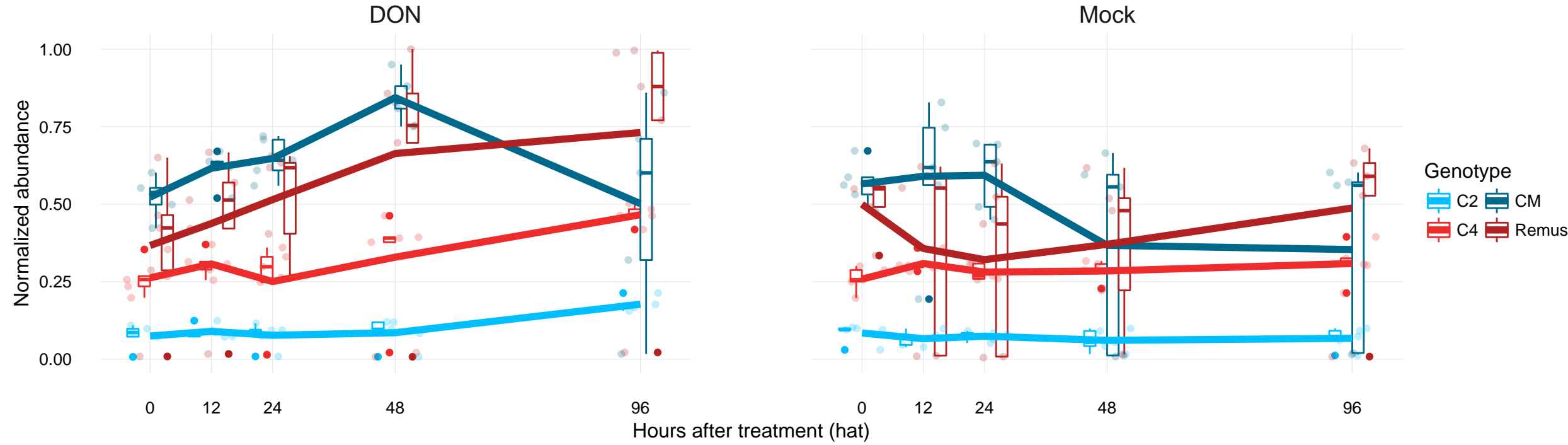
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

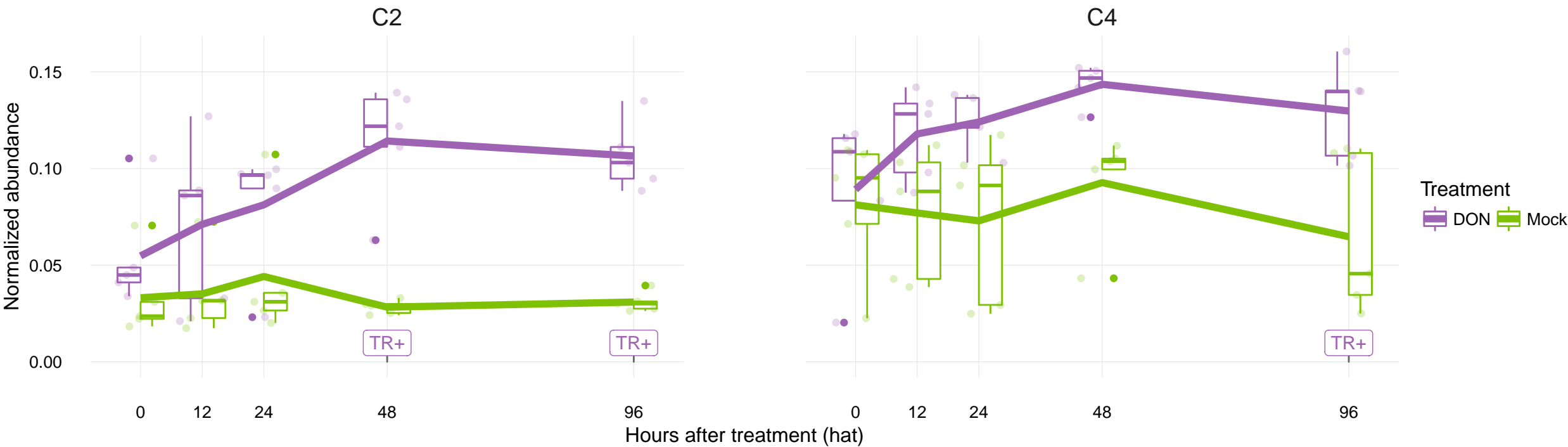


# A.68

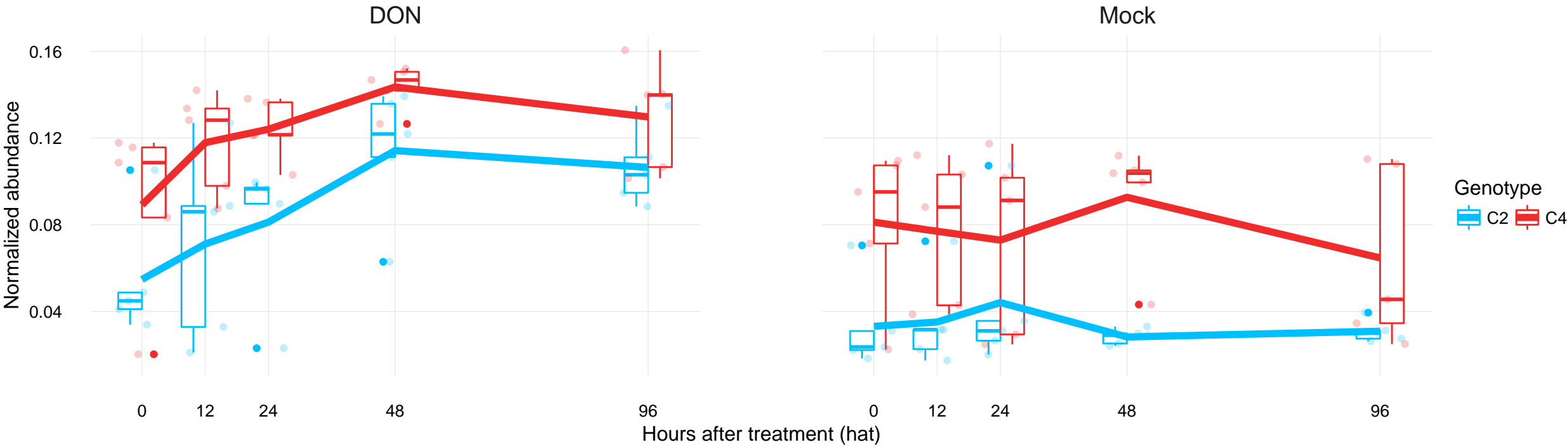
Annotated as Flavonoid or others (GlcF)  
(3 database hits)

MZ	559.1784
RT	13.27 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	26 /

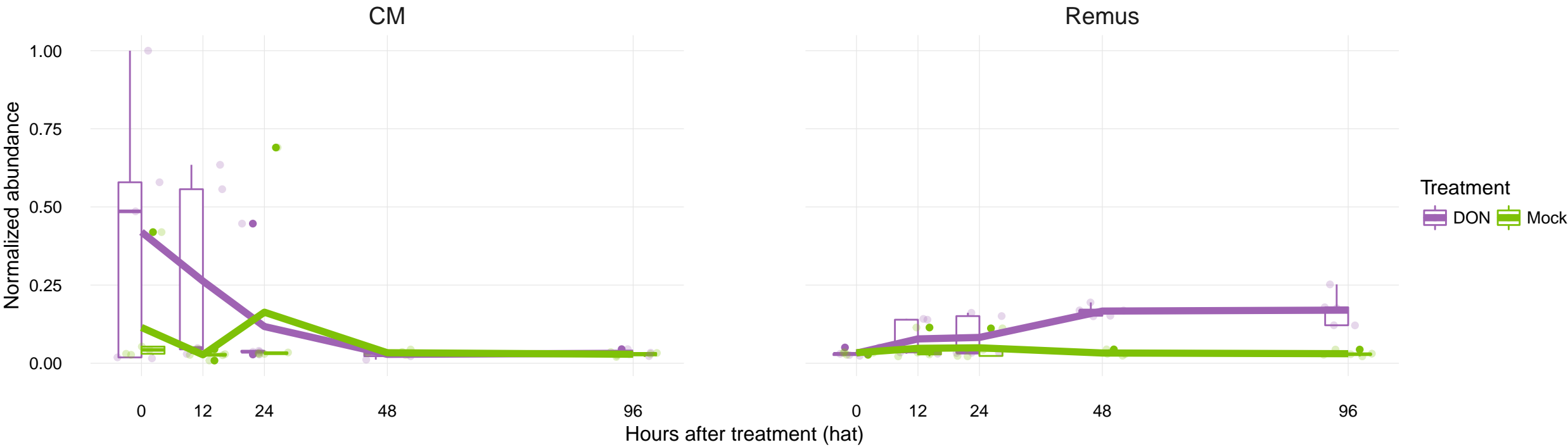
## C2, C4; different treatments



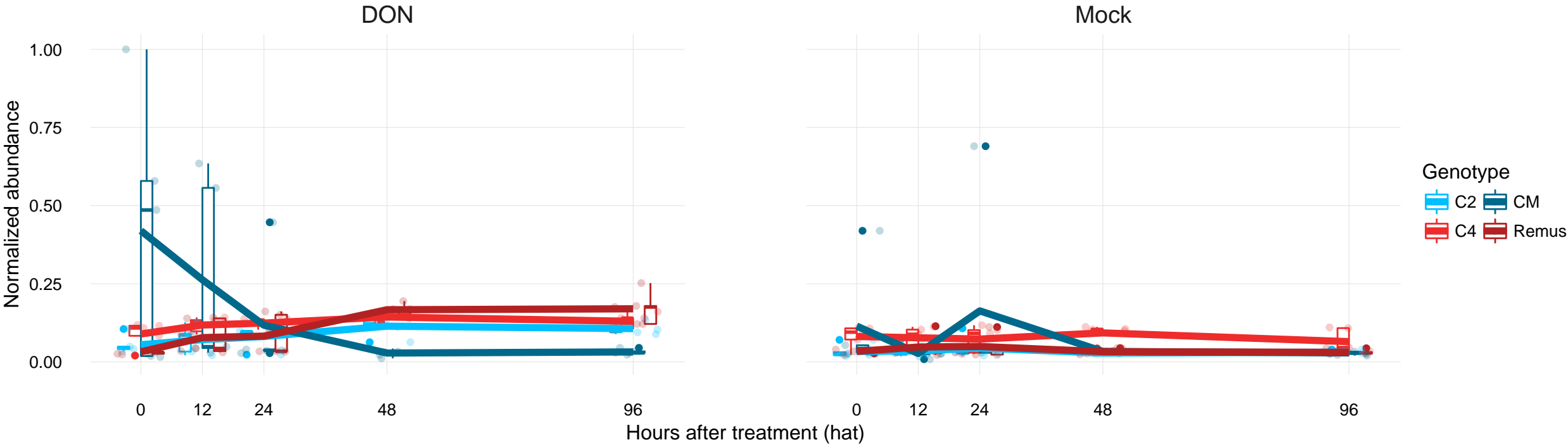
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

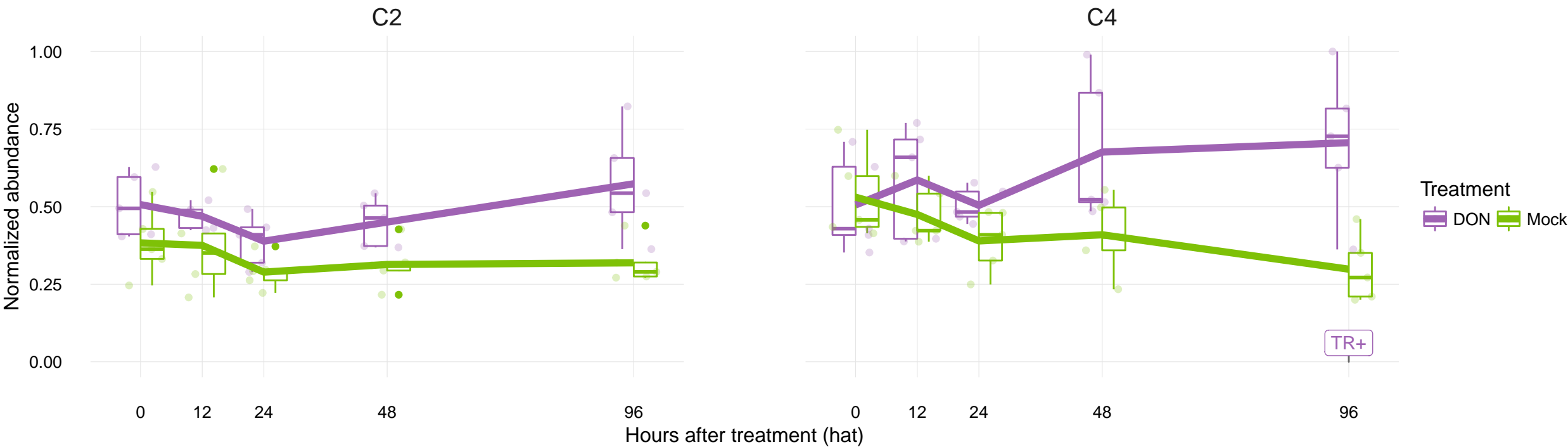


# Trimethyltricetin

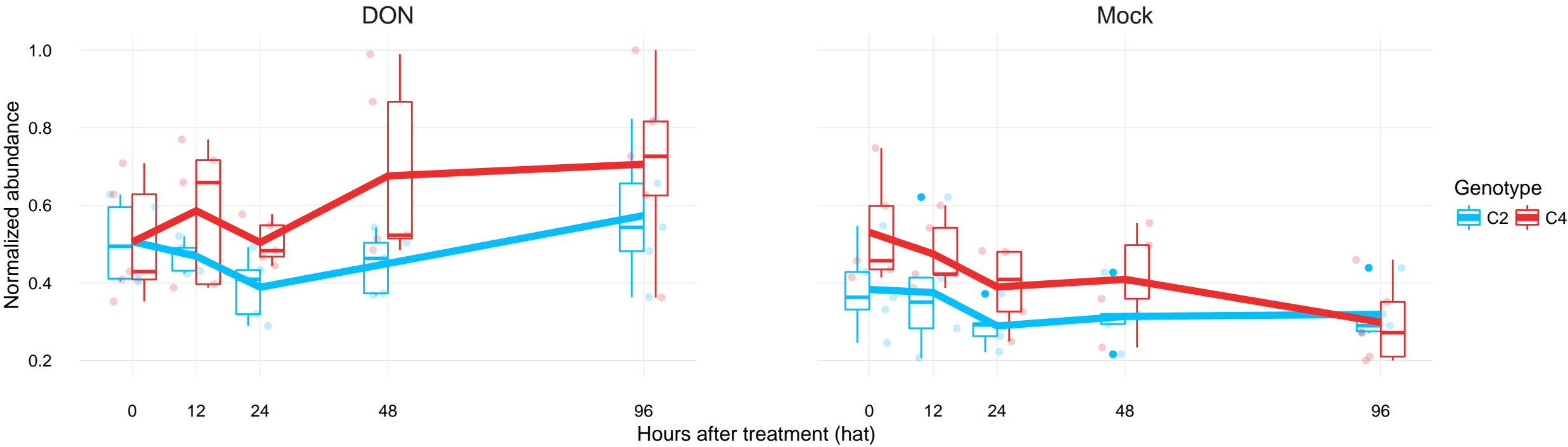
Identified metabolite (level 1)

MZ	345.097
RT	24.01 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	18 /

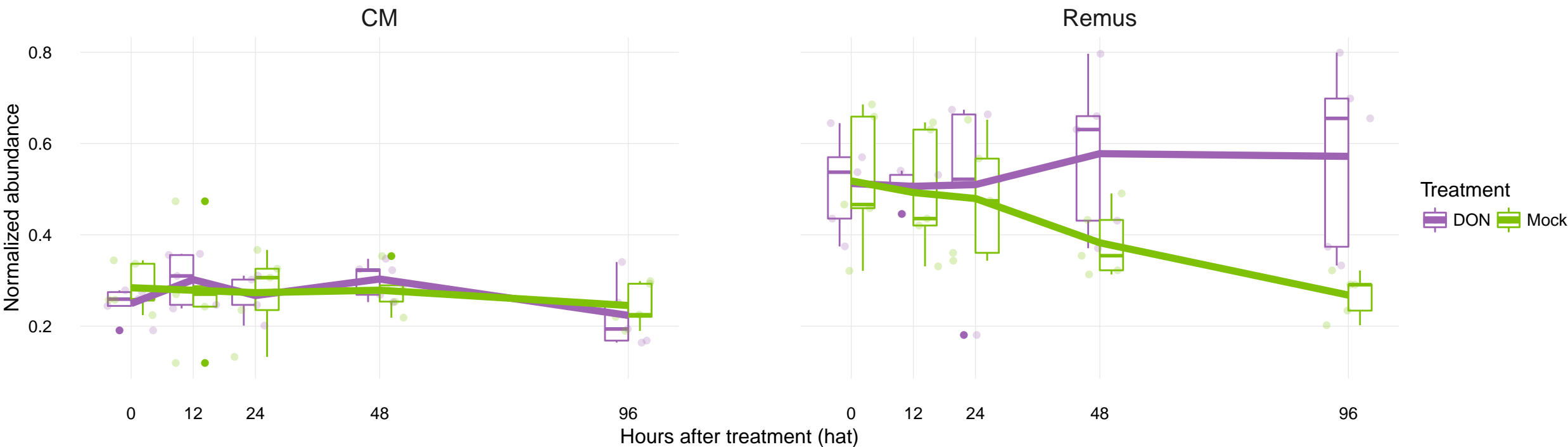
C2, C4; different treatments



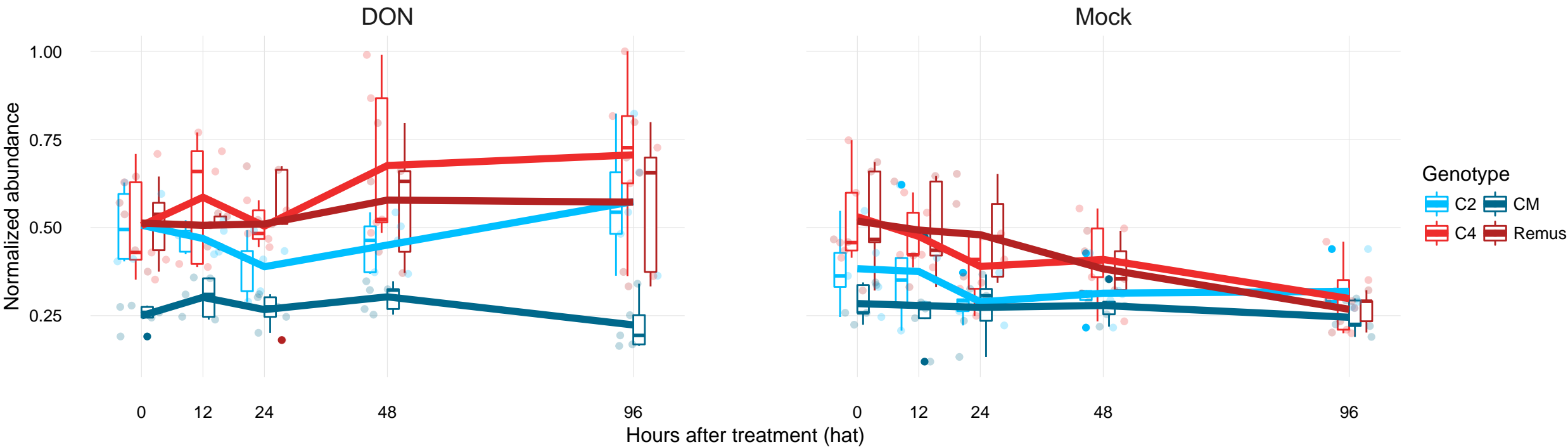
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

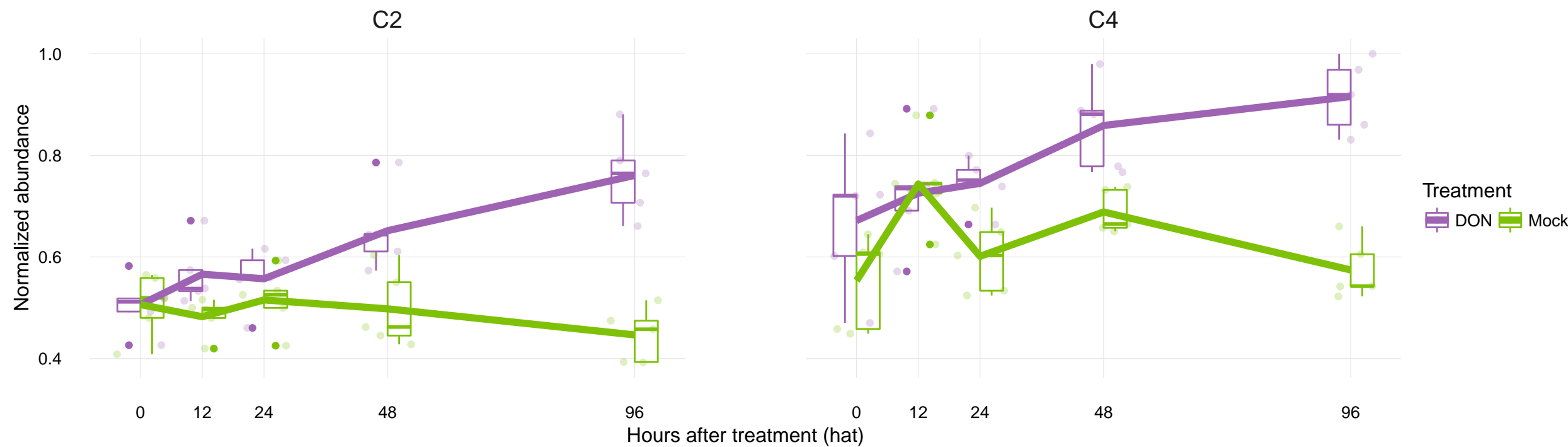


# A.93

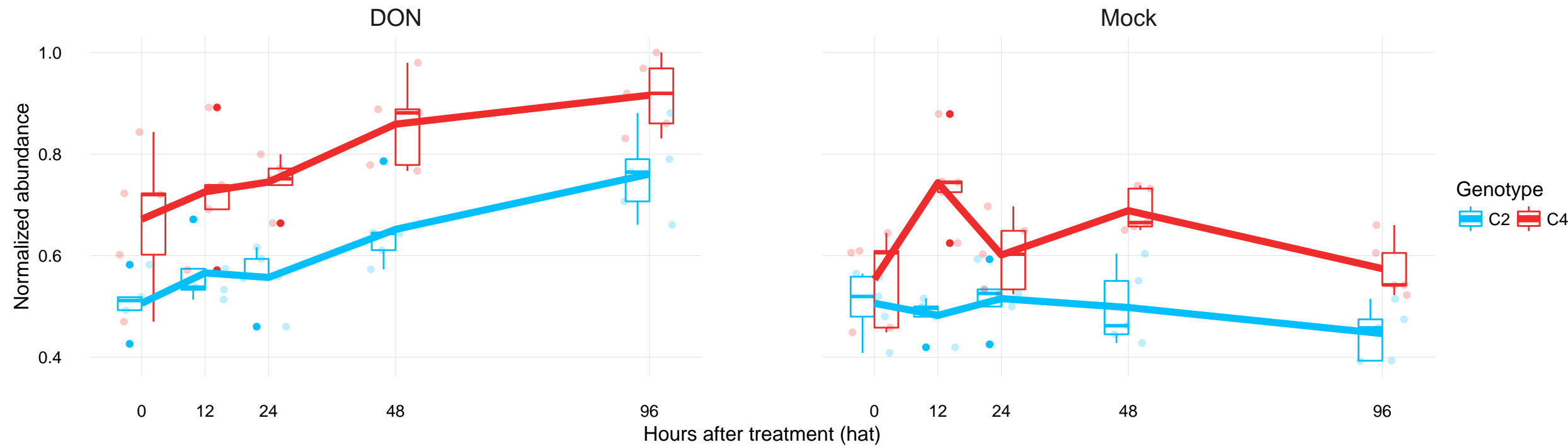
Annotated as Flavonoid (diGlcF)  
(10 database hits)

MZ	640.2237
RT	15.8 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	29 / 9

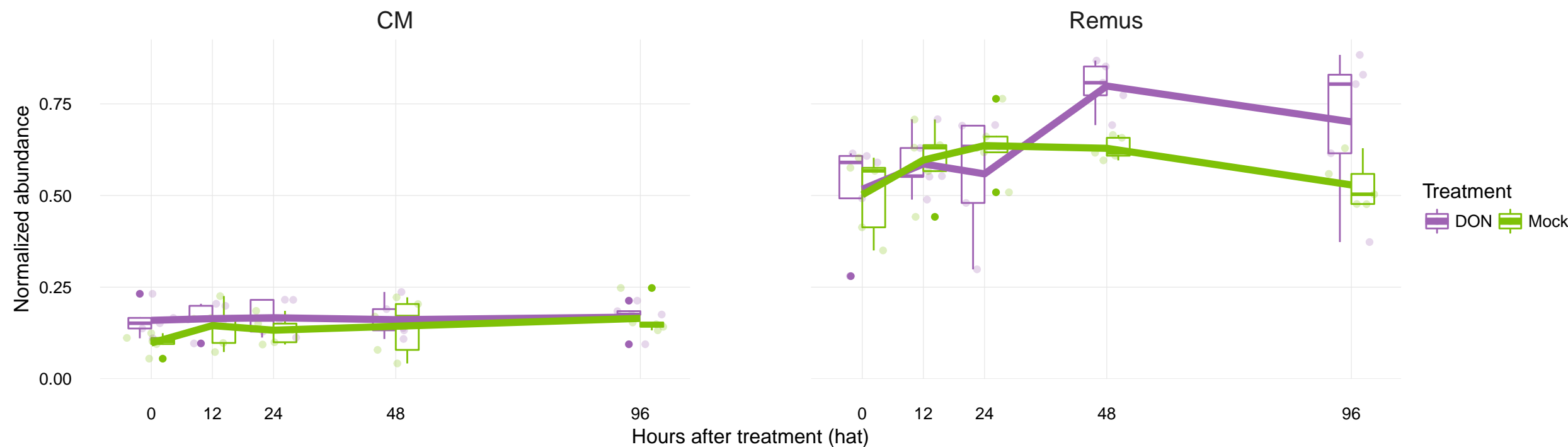
## C2, C4; different treatments



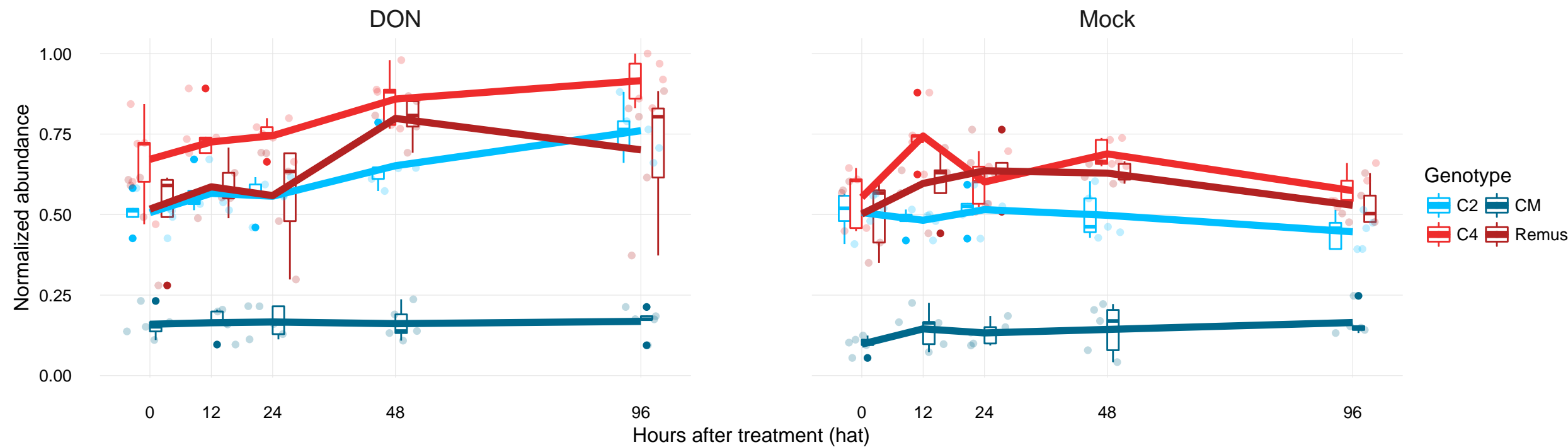
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

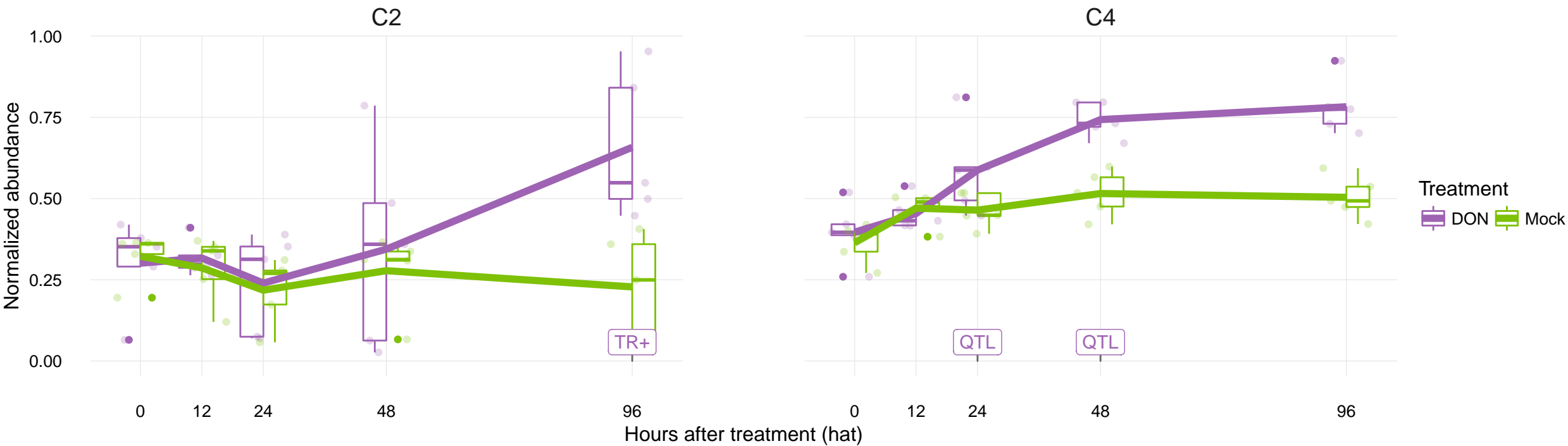


# A.53

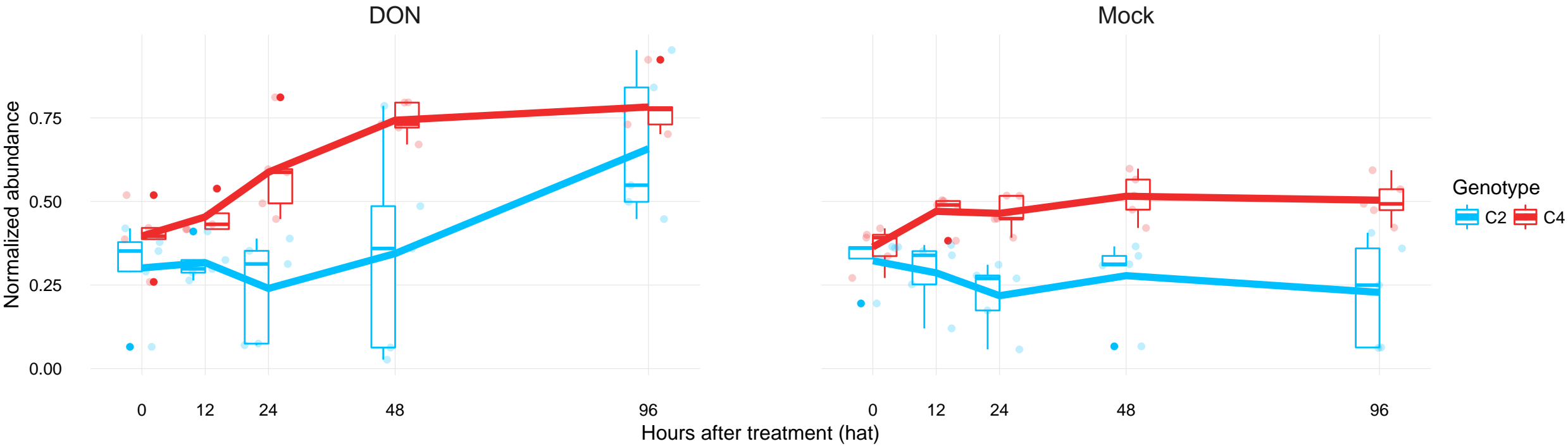
Annotated as HCA derivative  
(1 database hit)

MZ	415.1238
RT	12.26 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	18 / 9

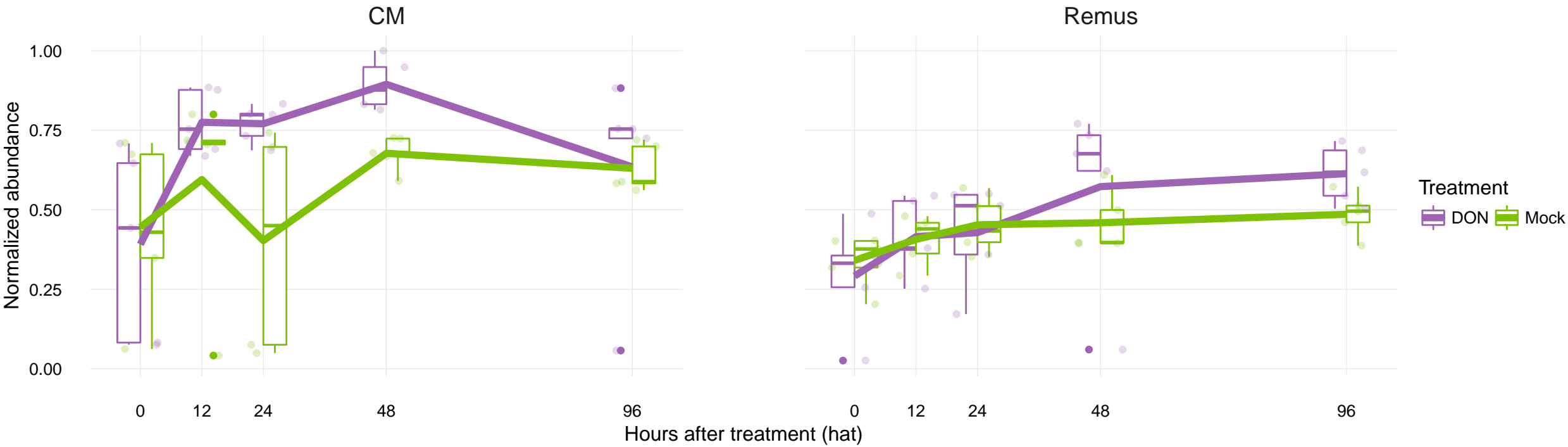
## C2, C4; different treatments



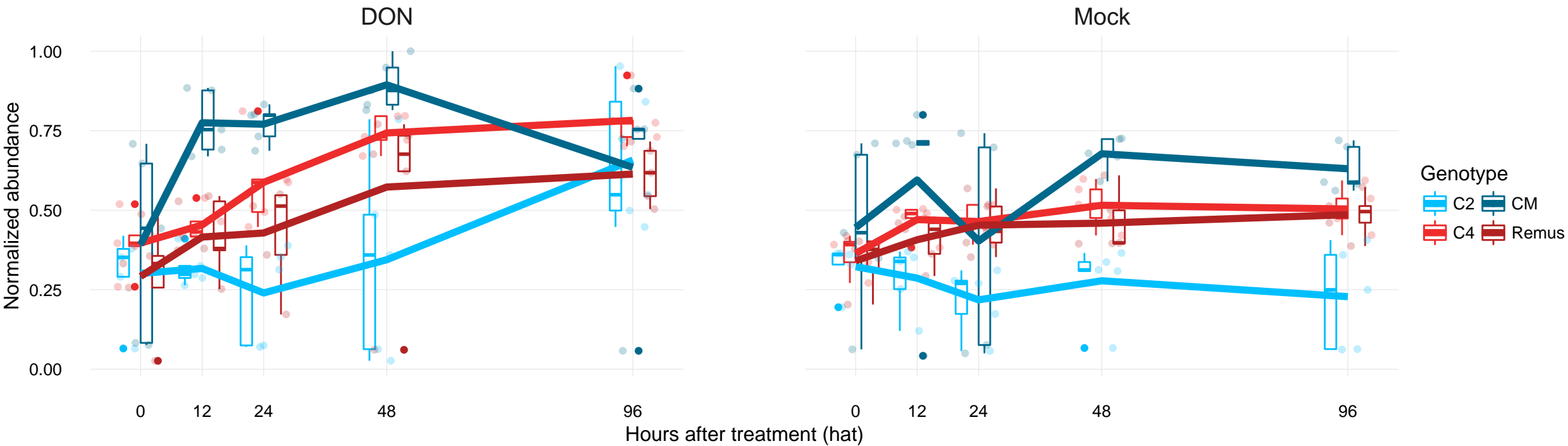
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

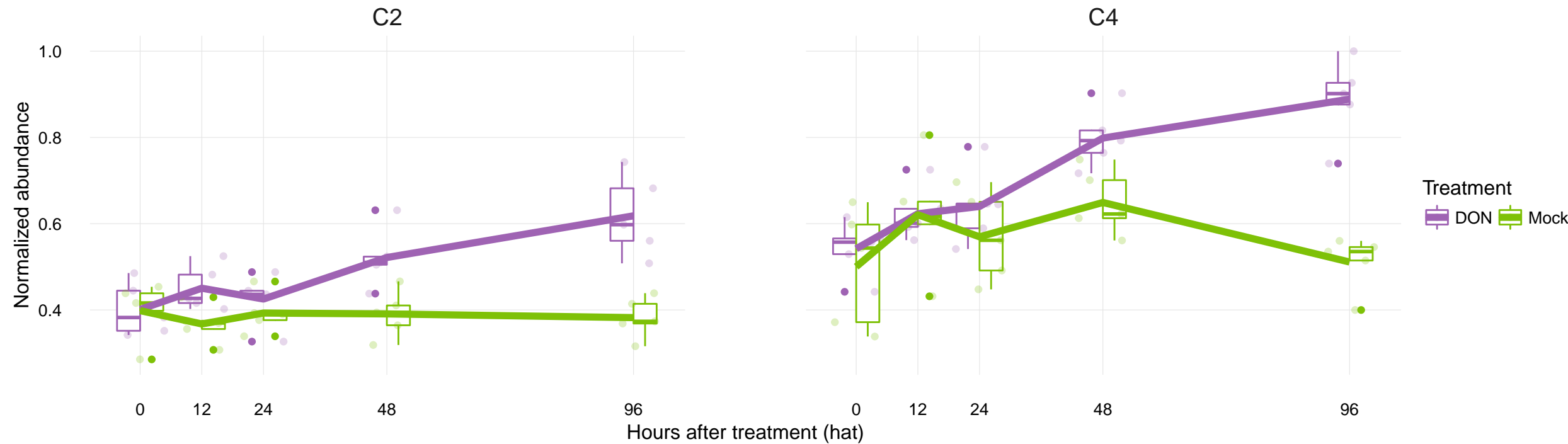


A.77

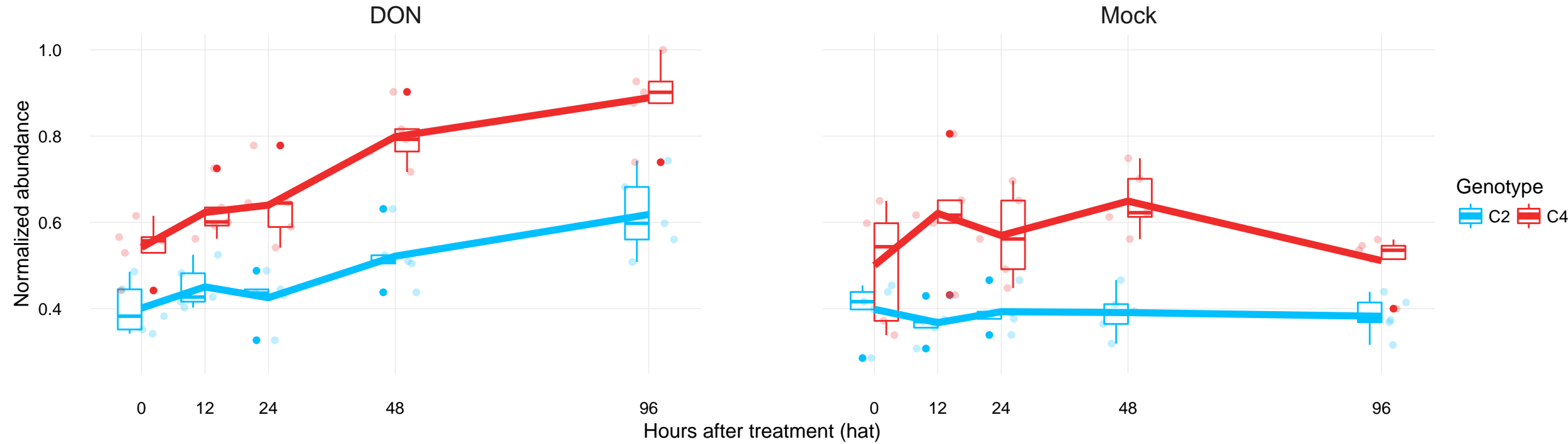
Annotated as HCA derivative  
(1 database hit)

MZ	251.0915
RT	14.17 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	13 / 9

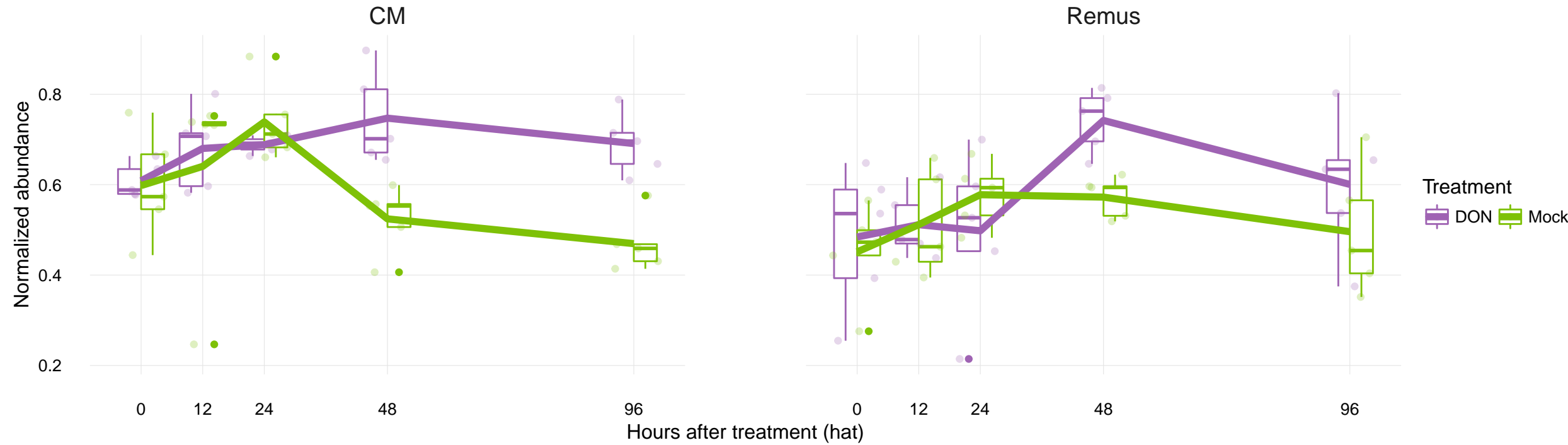
C2, C4; different treatments



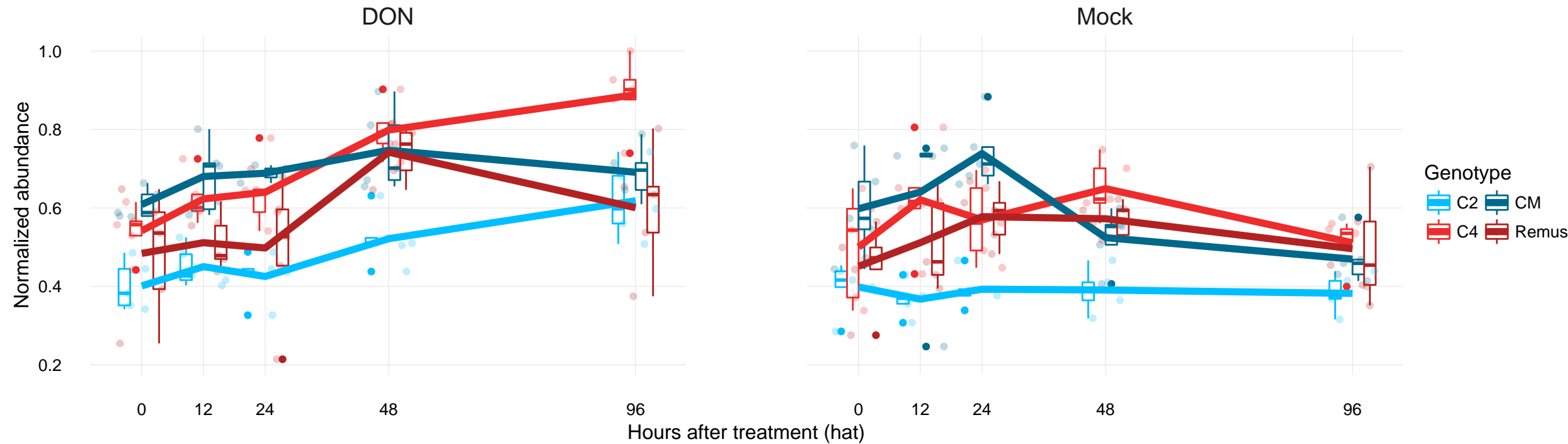
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes



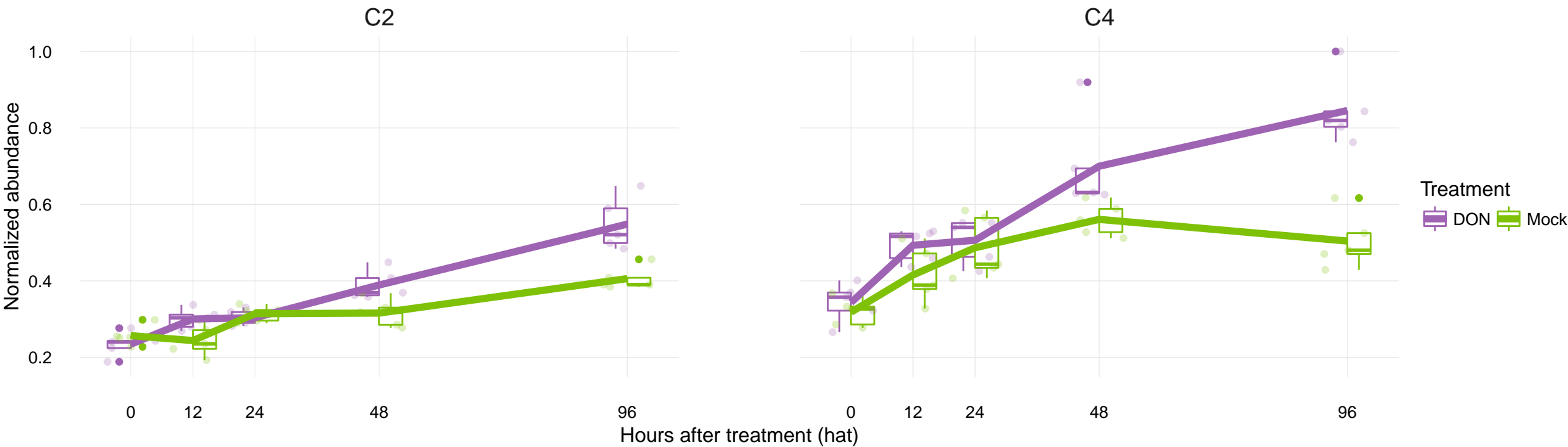


# A.101

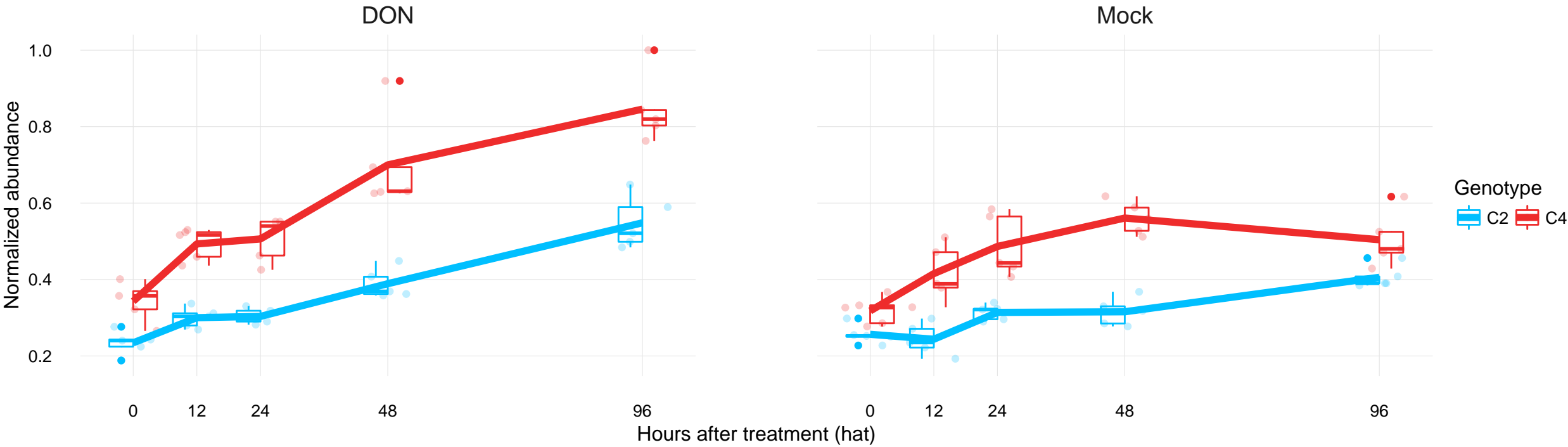
Annotated as Lignan  
(1 database hit)

MZ	601.1893
RT	16.79 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	28 /

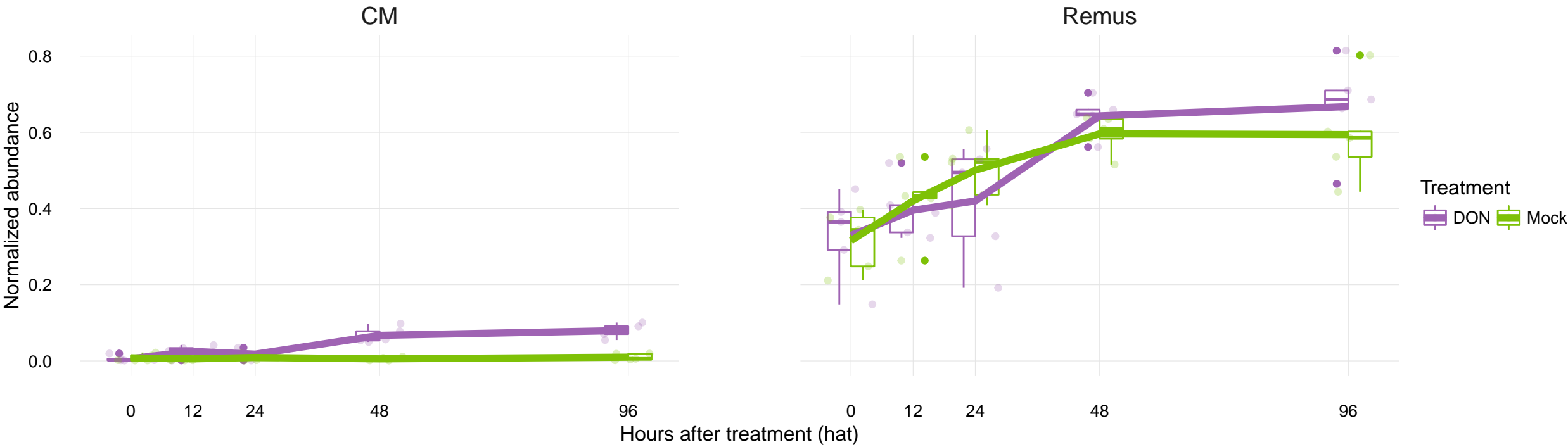
## C2, C4; different treatments



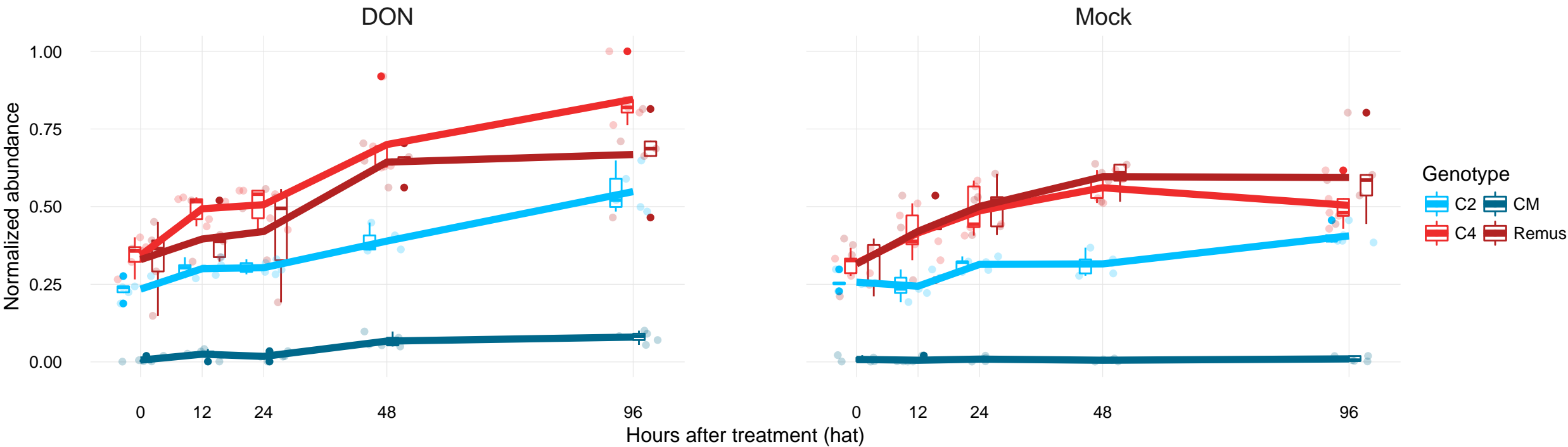
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



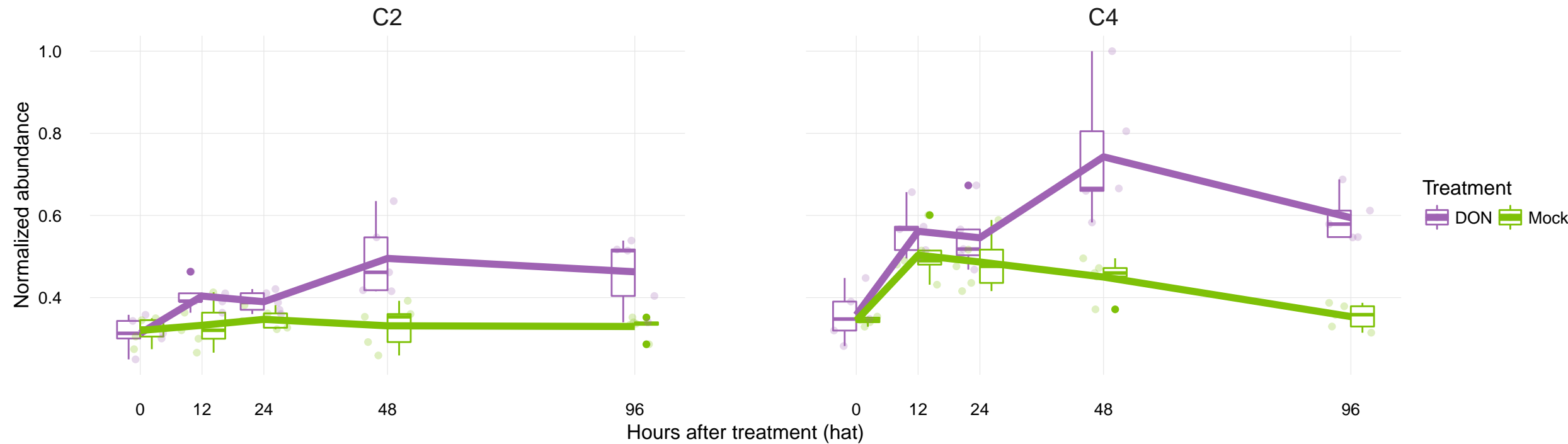


# A.91

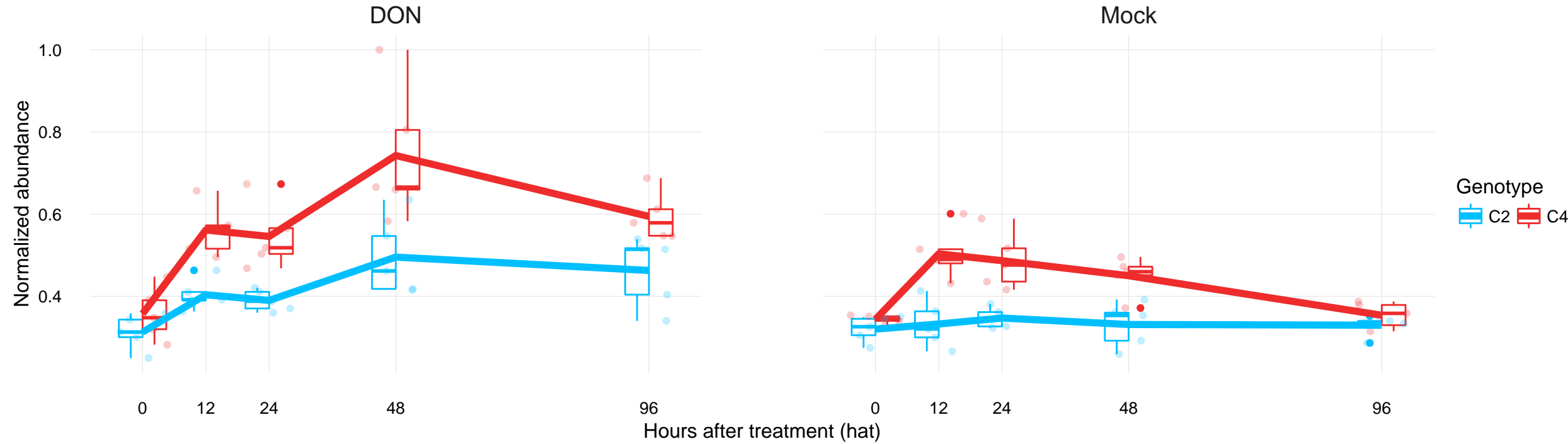
Annotated as others (Iridoid)  
(1 database hit)

MZ	531.1474
RT	15.67 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	24 /

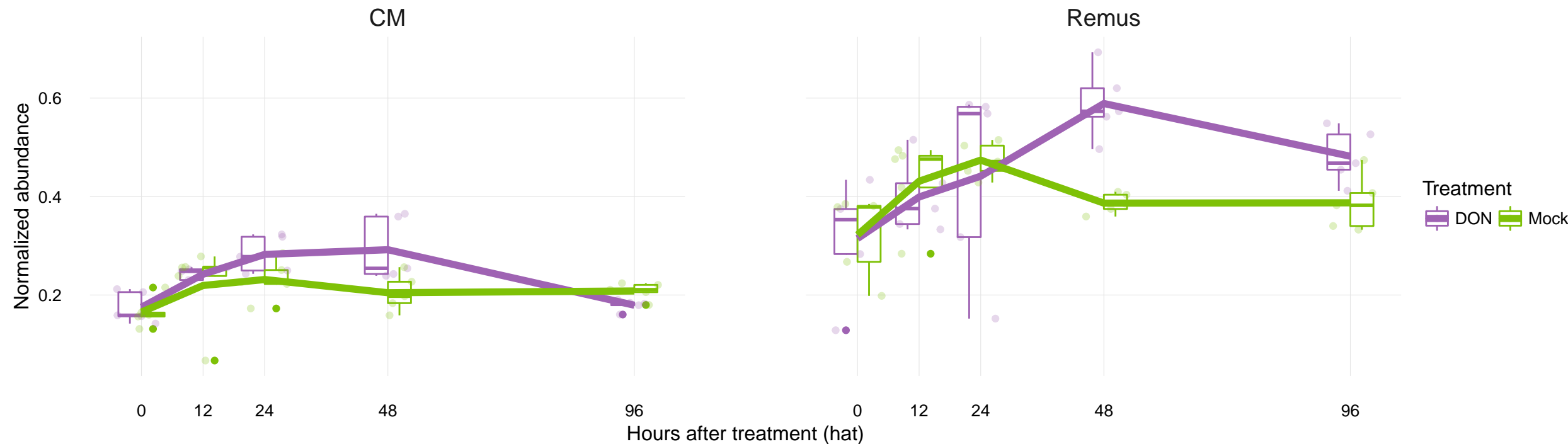
## C2, C4; different treatments



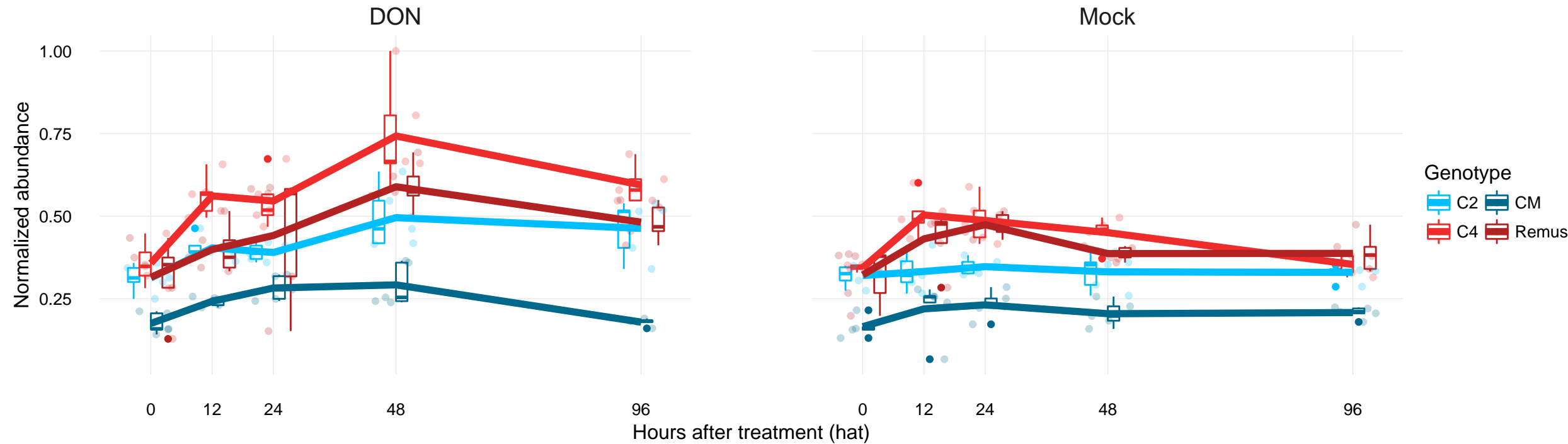
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

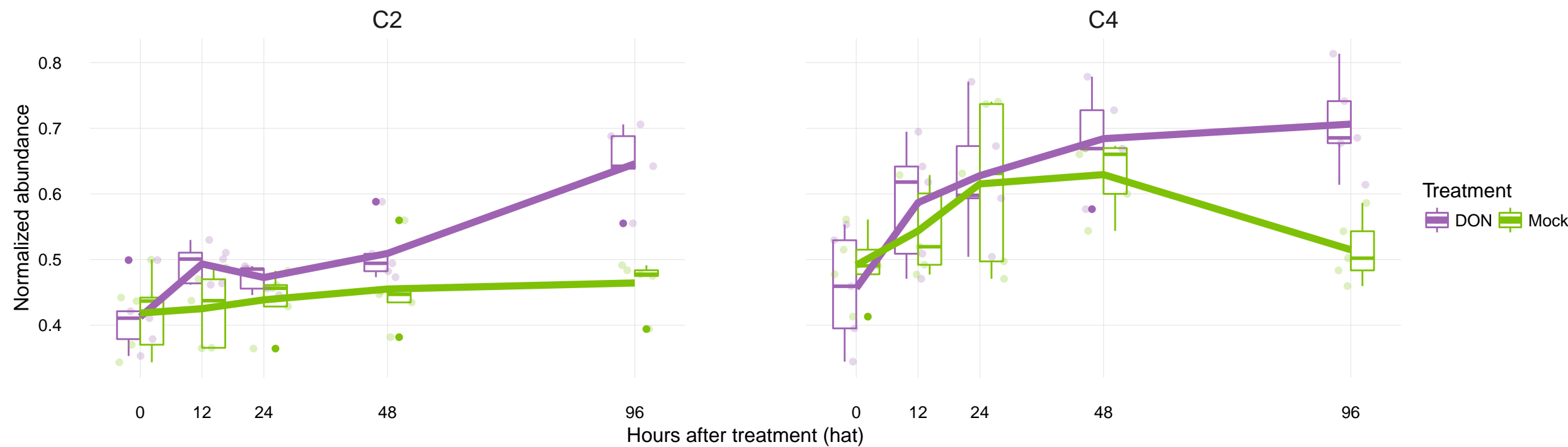


# A.129

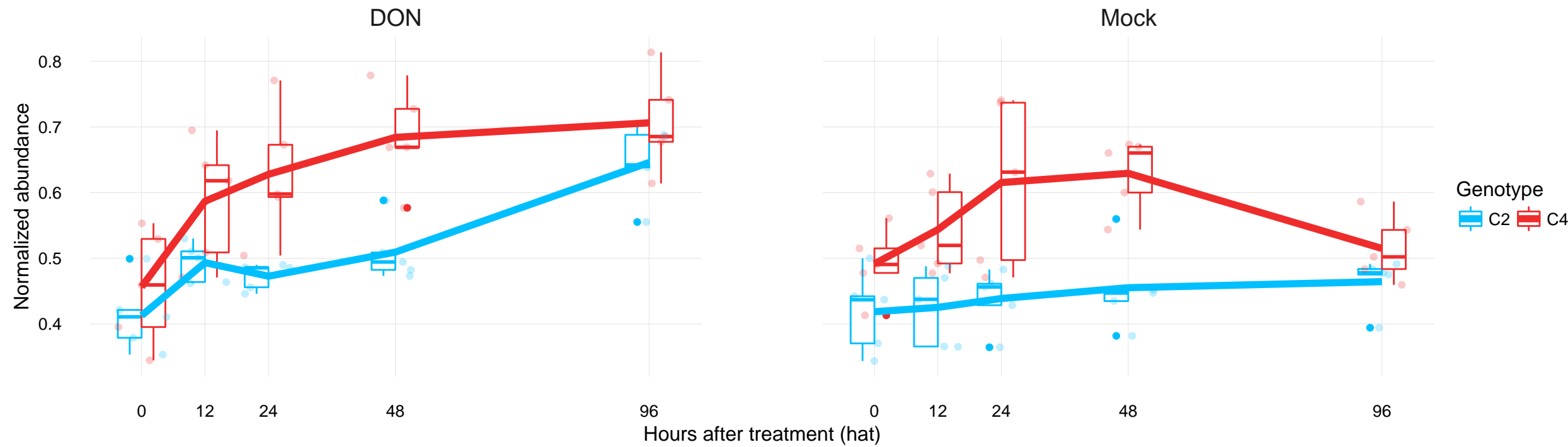
Annotated as Flavonoid (GlcF)  
(17 database hits)

MZ	419.0974
RT	20.88 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	20 /

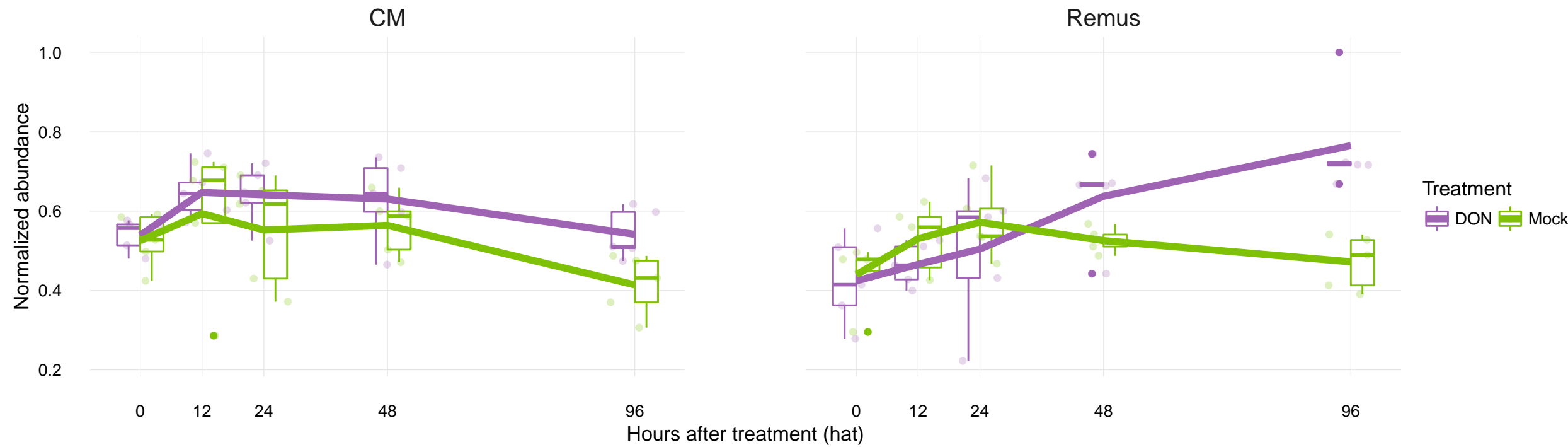
## C2, C4; different treatments



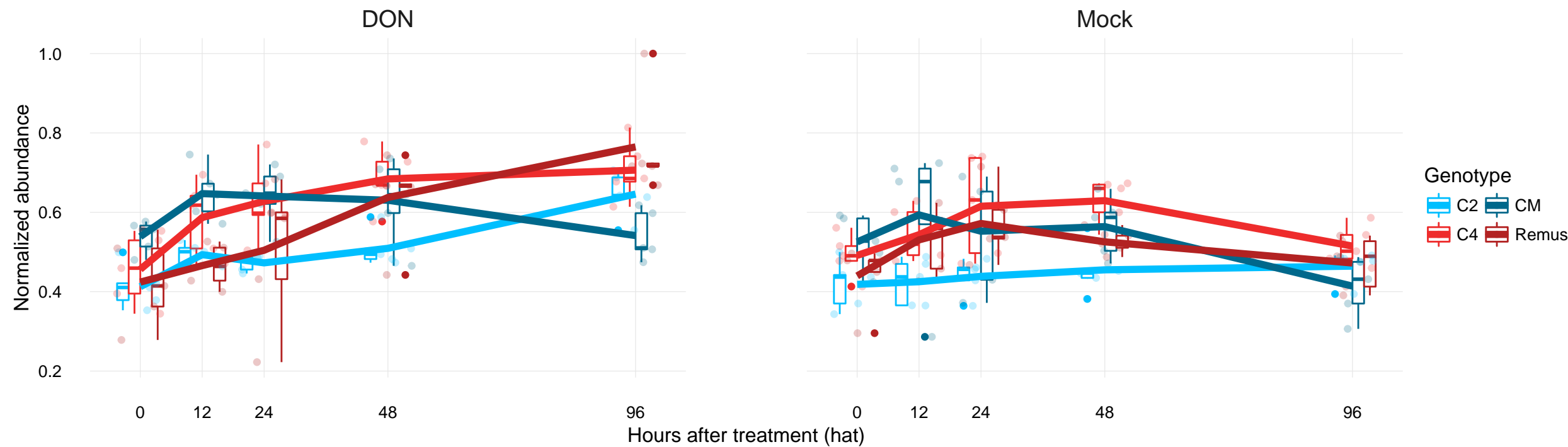
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

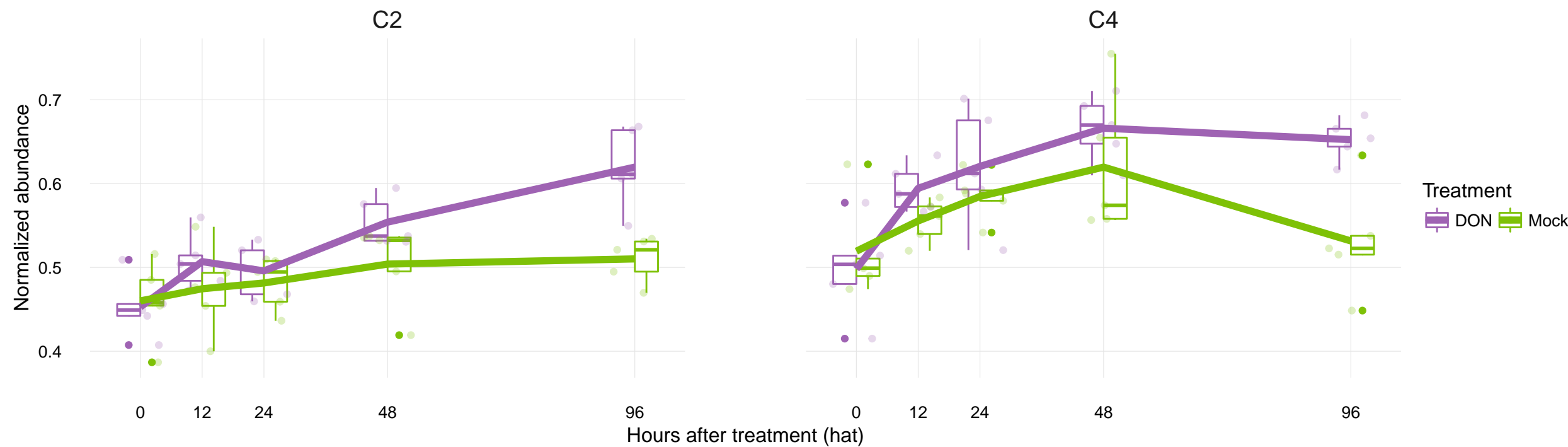


# A.127

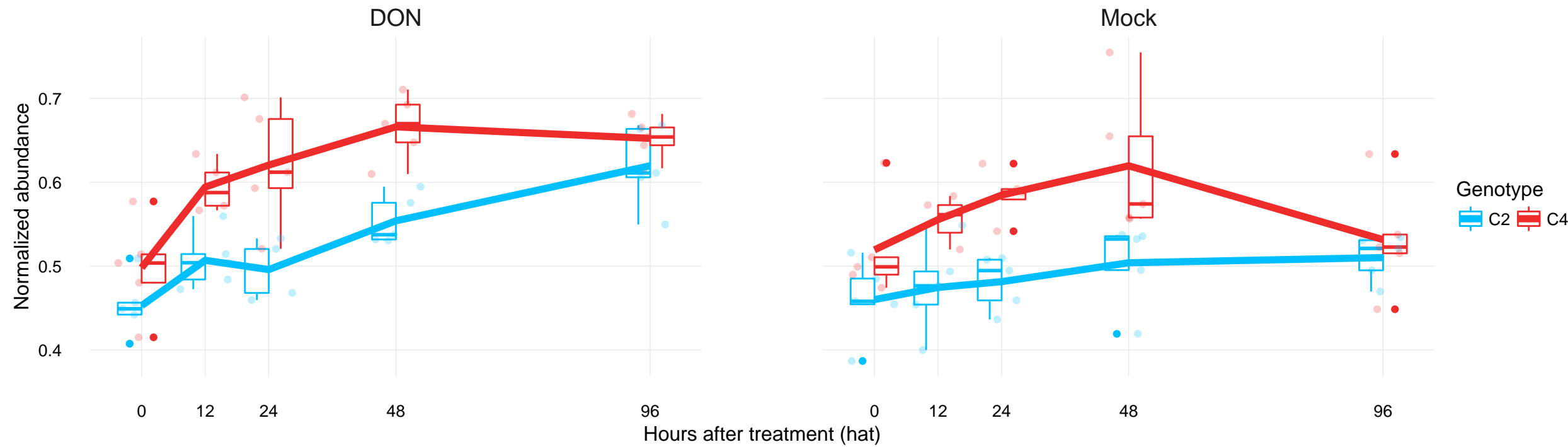
Annotated as Flavonoid  
(74 database hits)

MZ	331.0813
RT	20.69 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	17 /

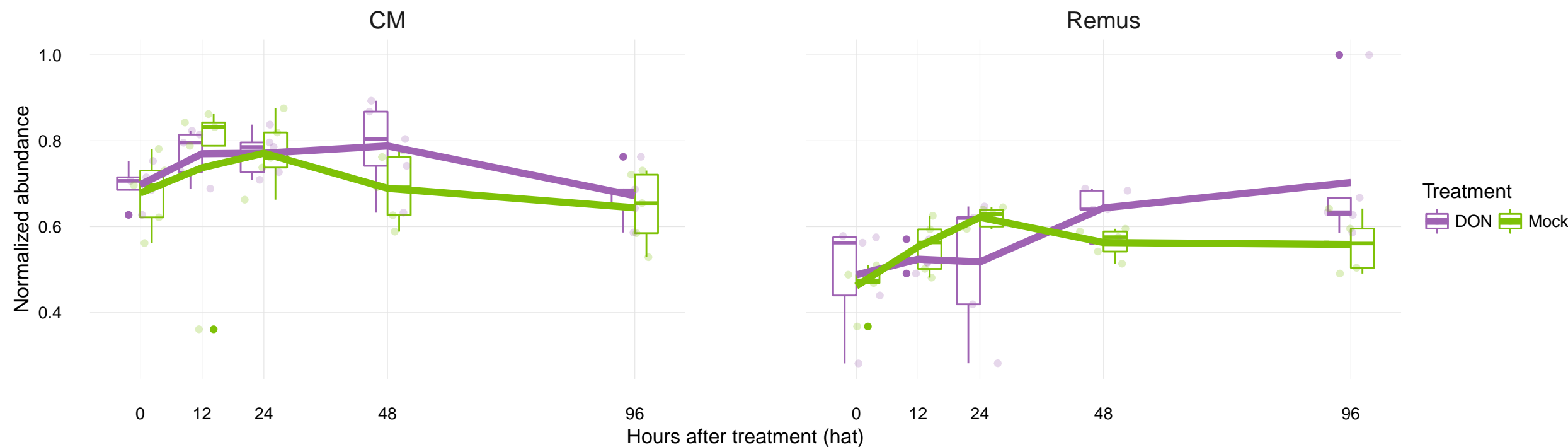
## C2, C4; different treatments



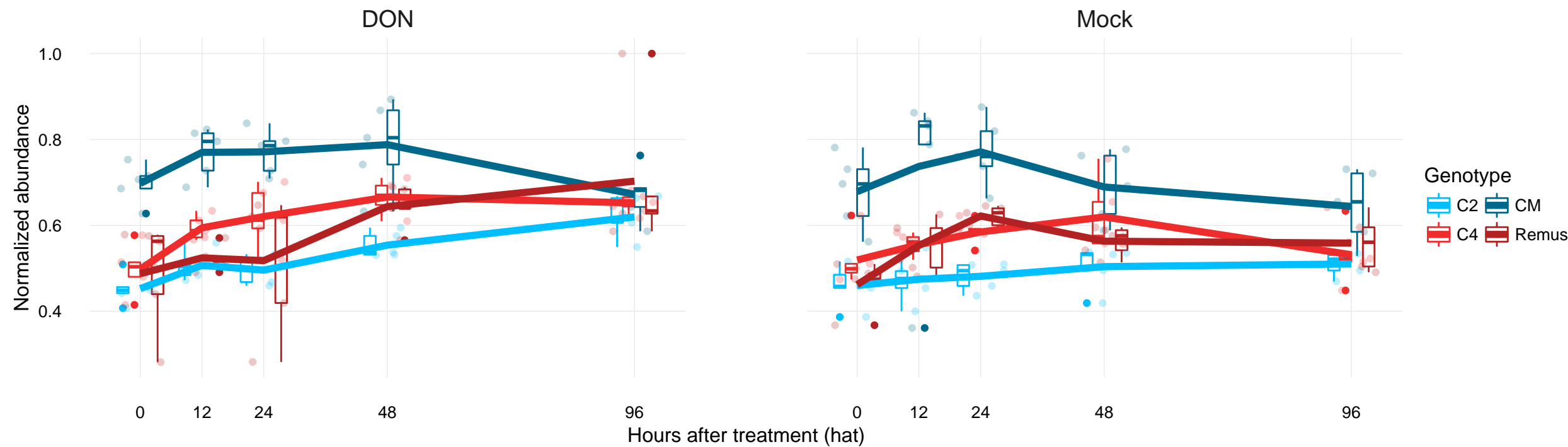
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

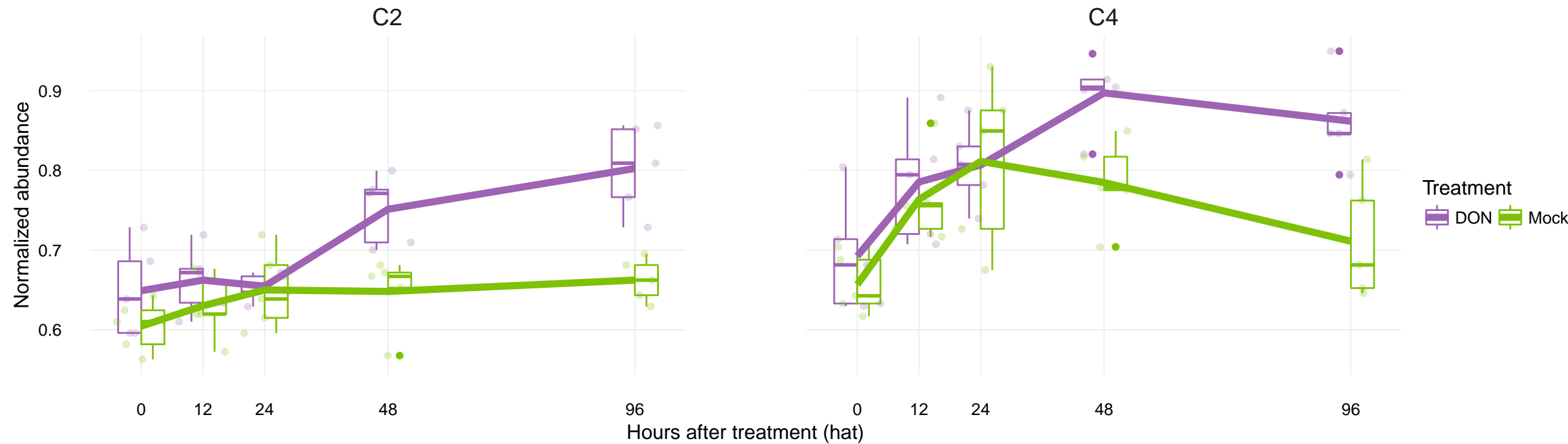


# A.98

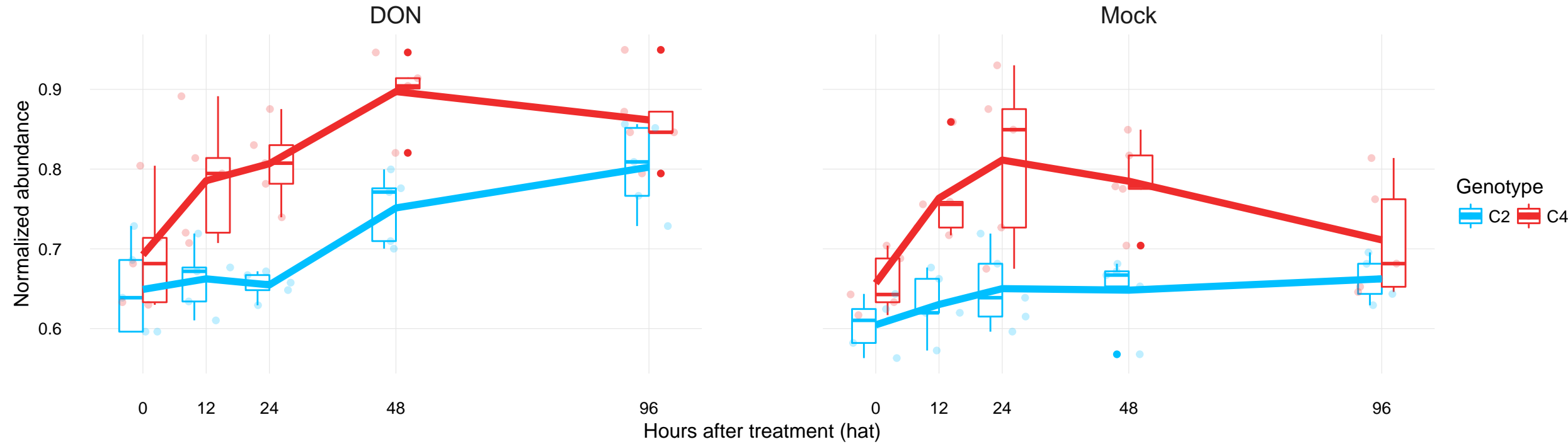
Annotated as Flavonoid (diGlcF)  
(17 database hits)

MZ	639.1923
RT	16.48 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	29 /

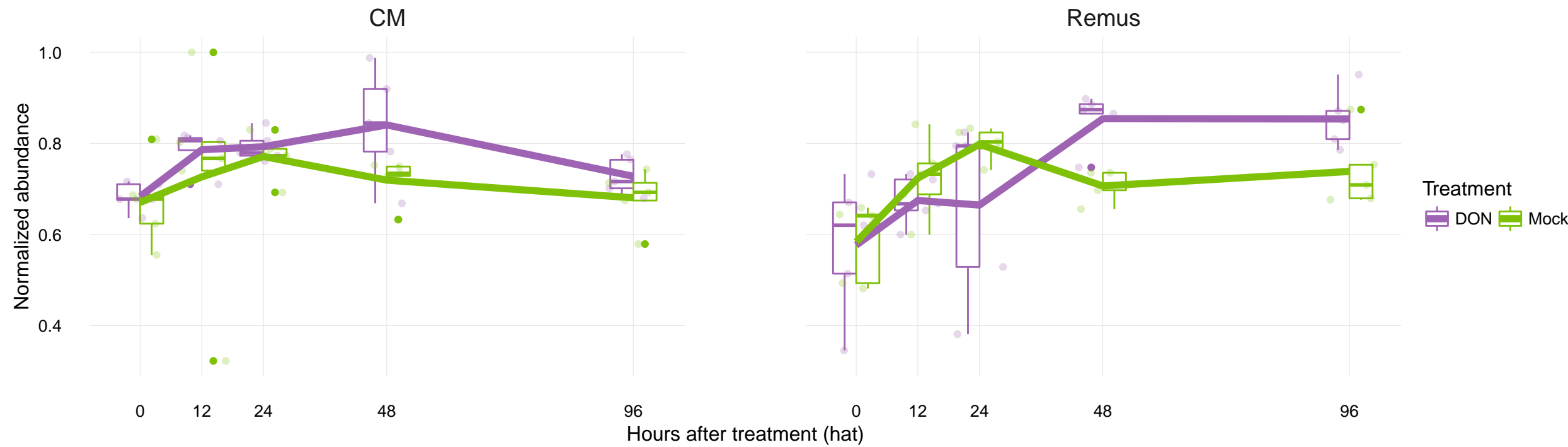
## C2, C4; different treatments



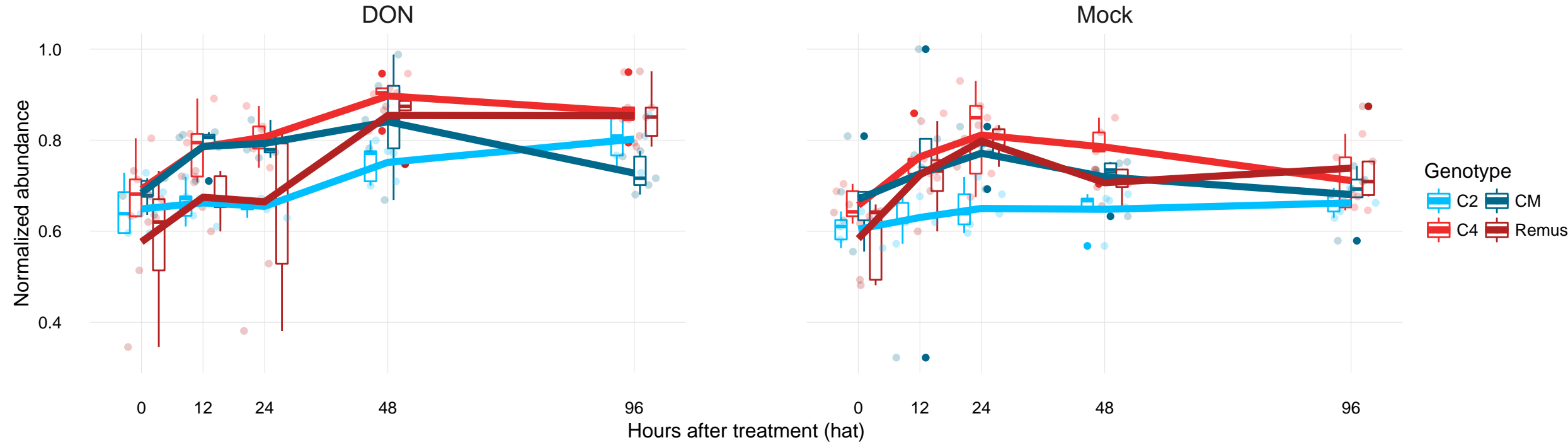
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

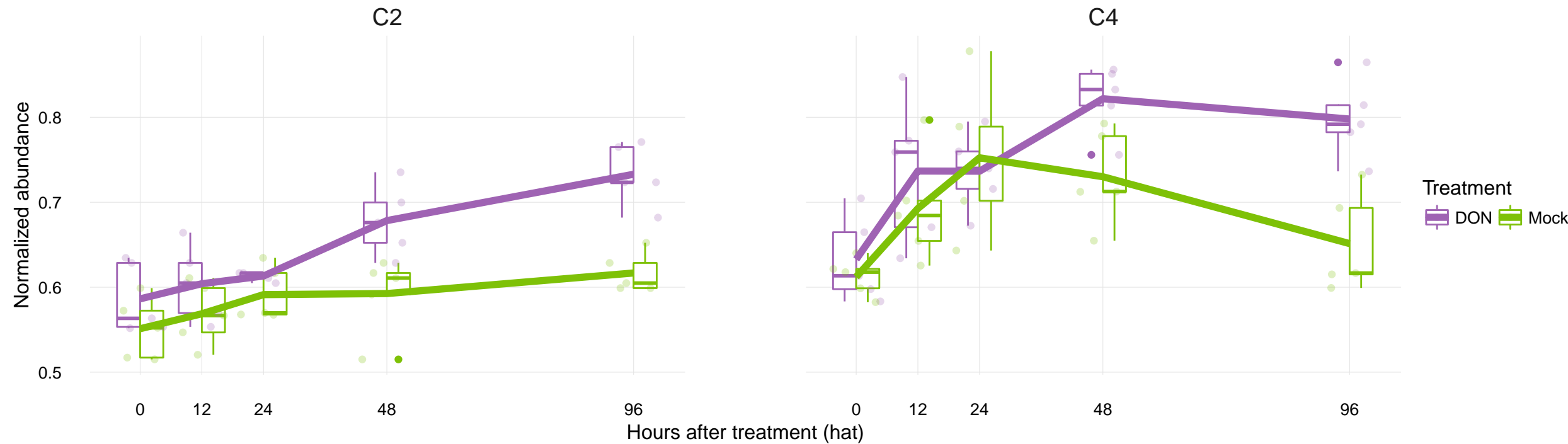


A.97

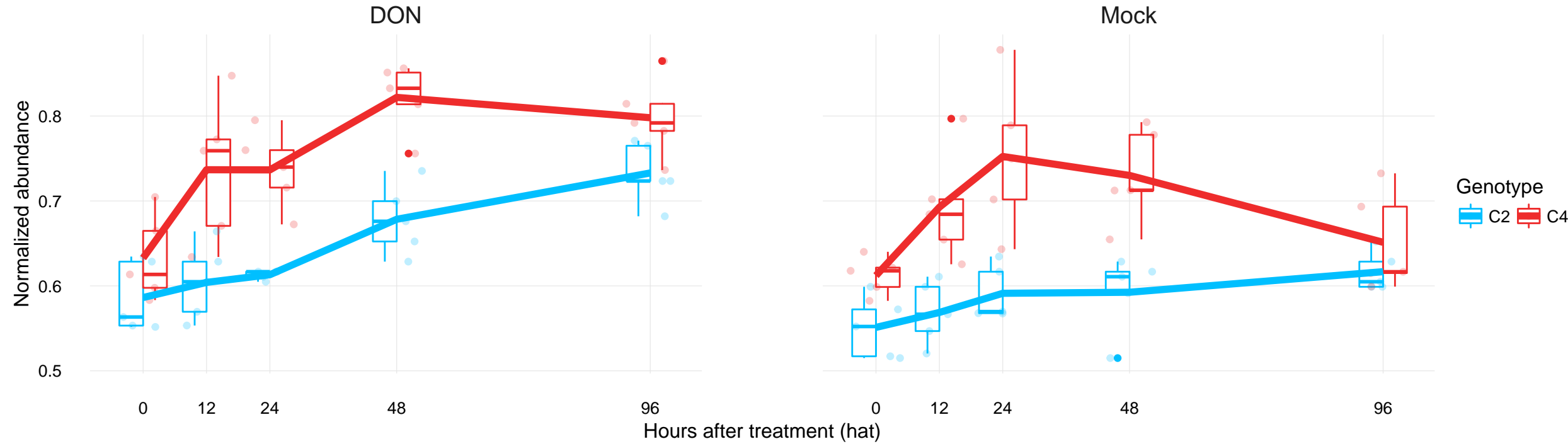
Annotated as Flavonoid (GlcF)  
(51 database hits)

MZ	493.1342
RT	16.47 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	23 /

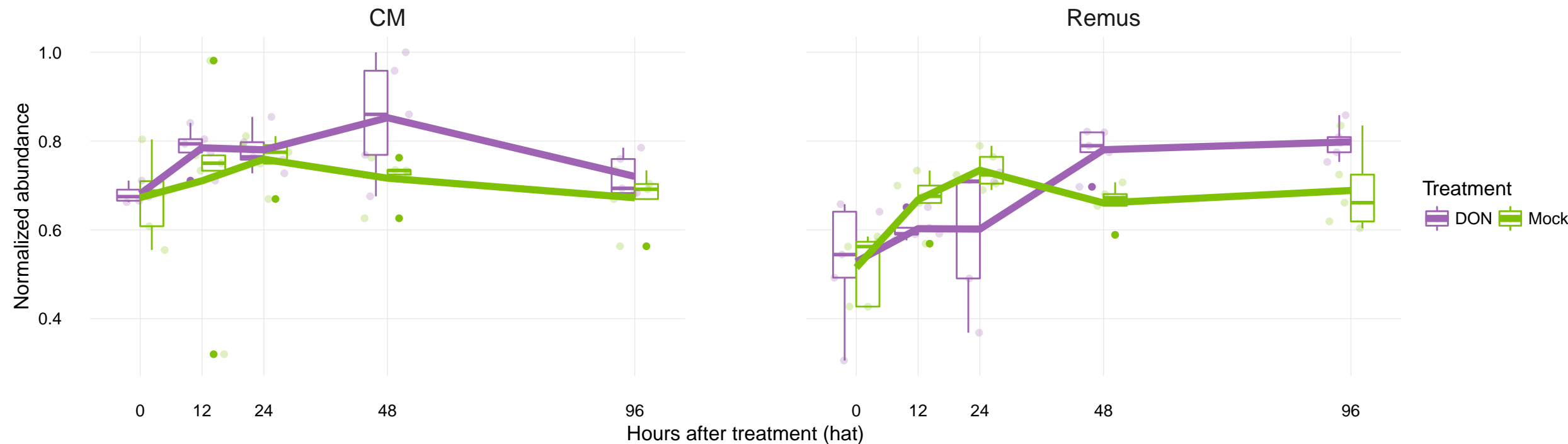
C2, C4; different treatments



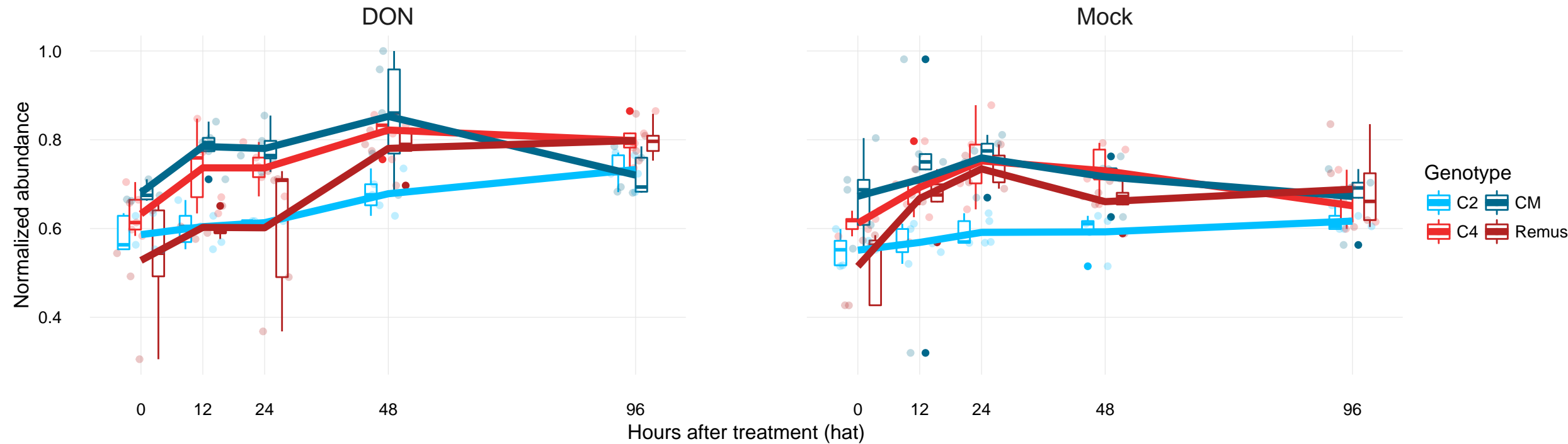
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

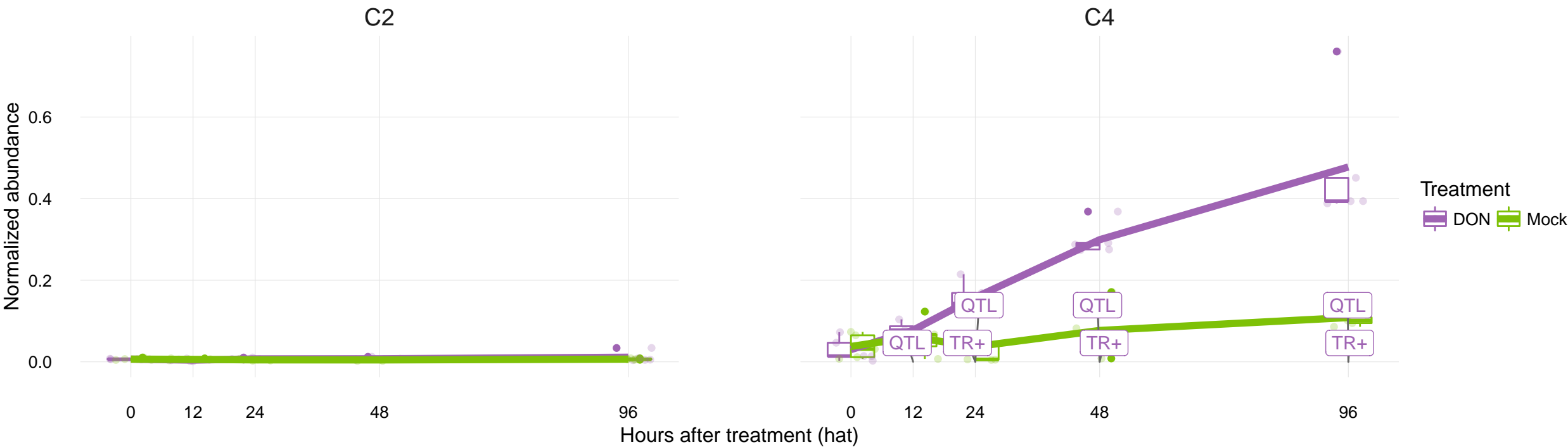


# A.67

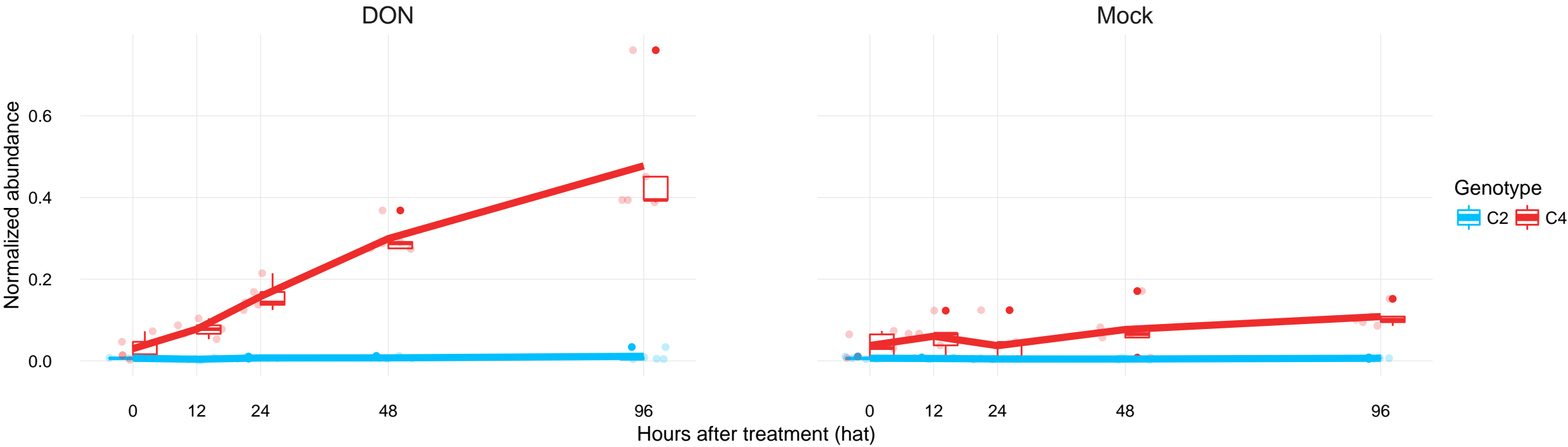
Annotated as HCA derivative  
(1 database hit)

MZ	411.1287
RT	13.18 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	19 / 9

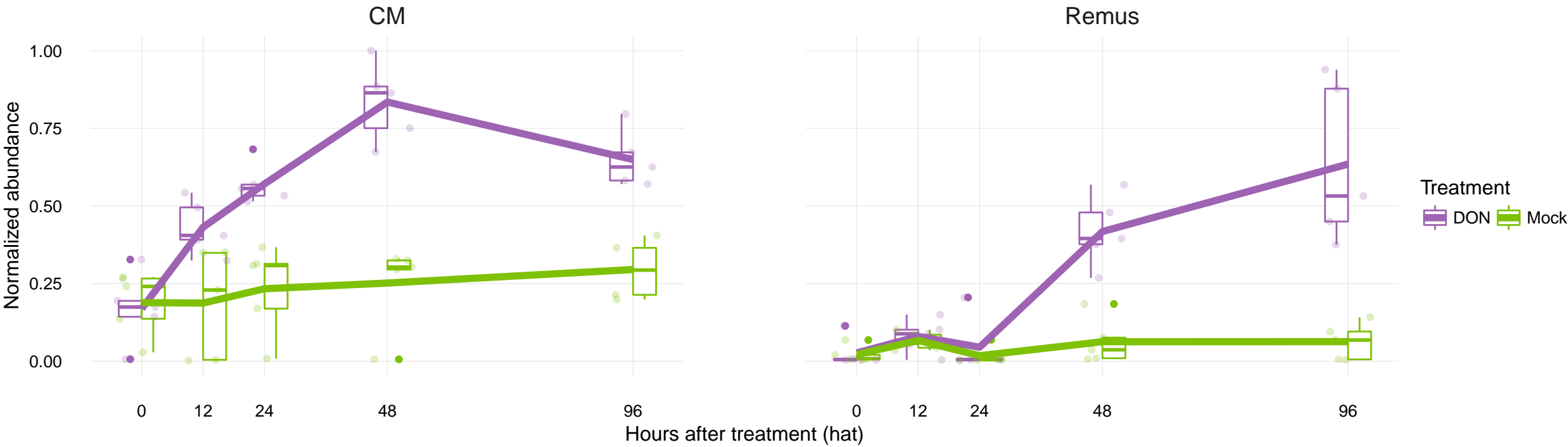
## C2, C4; different treatments



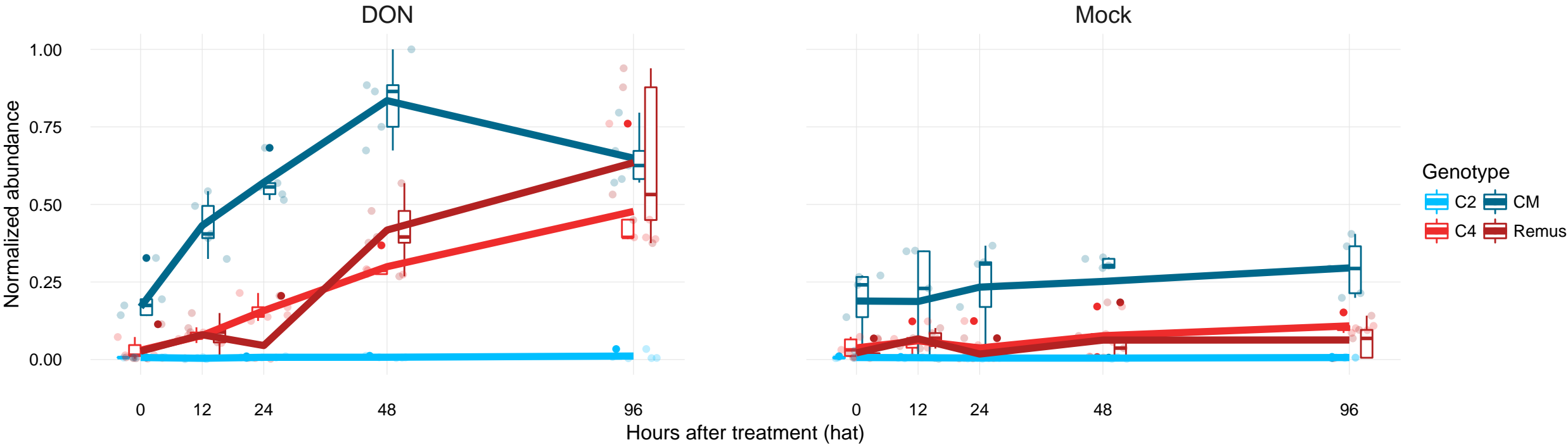
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



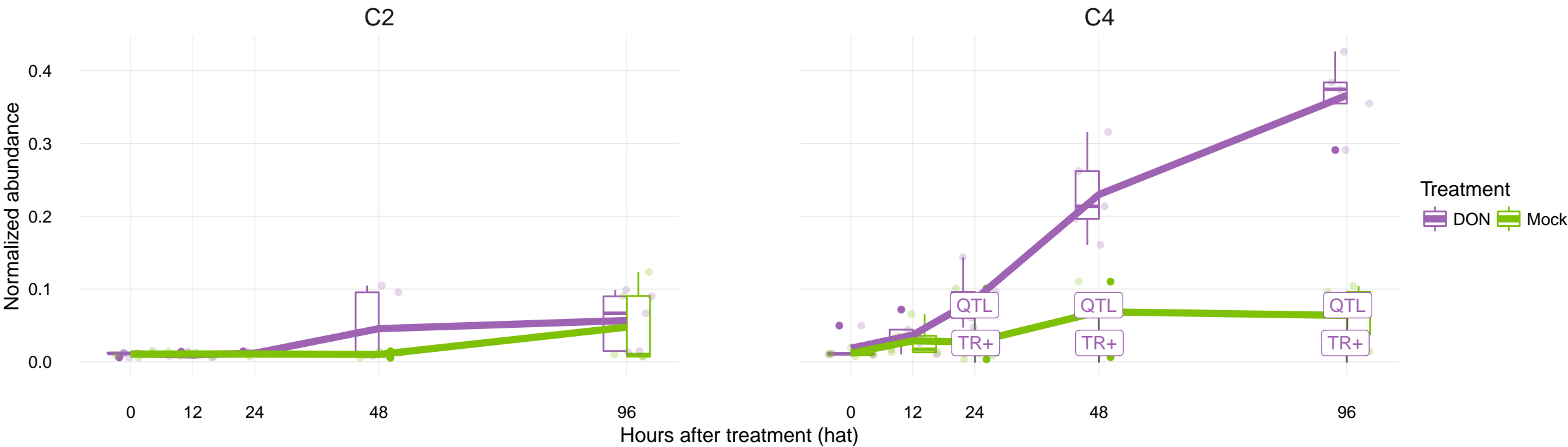


# A.59

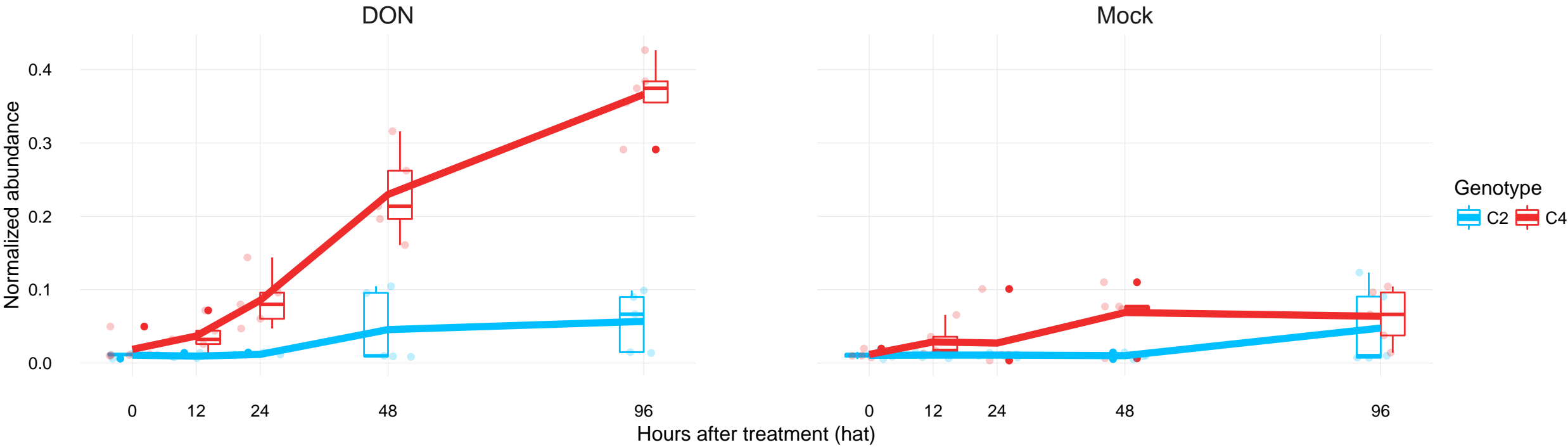
Annotated as HCA derivative  
(1 database hit)

MZ	445.1343
RT	12.78 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	19 / 9

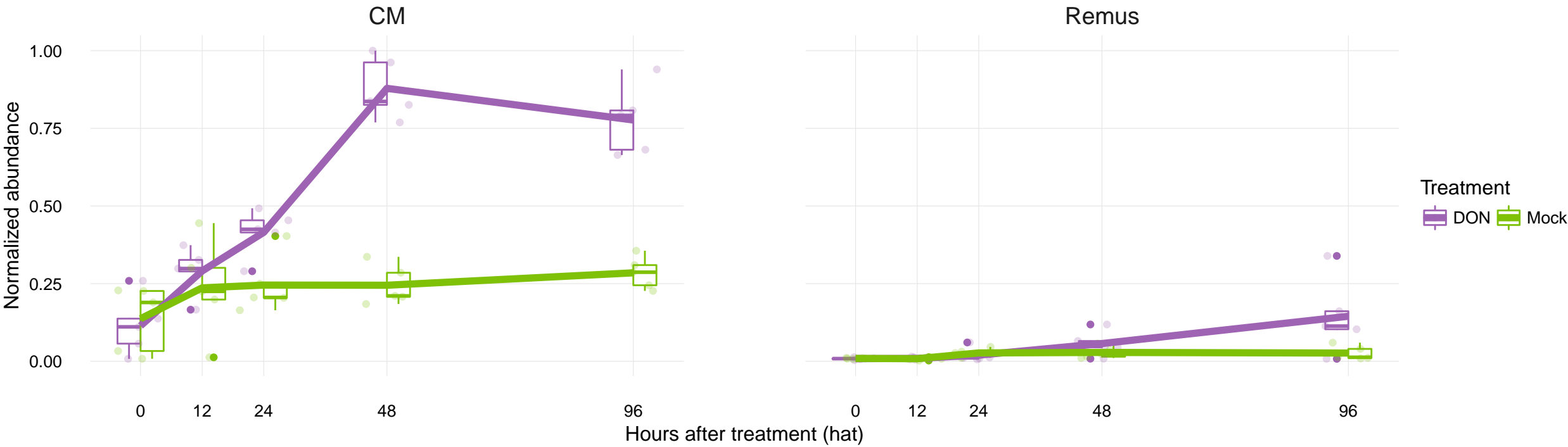
## C2, C4; different treatments



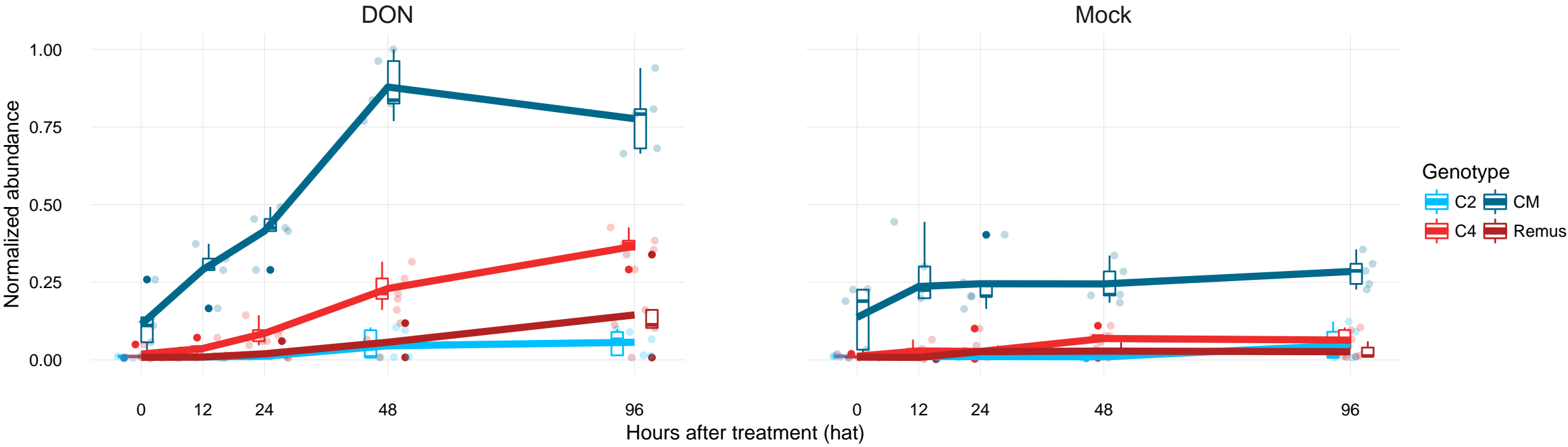
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



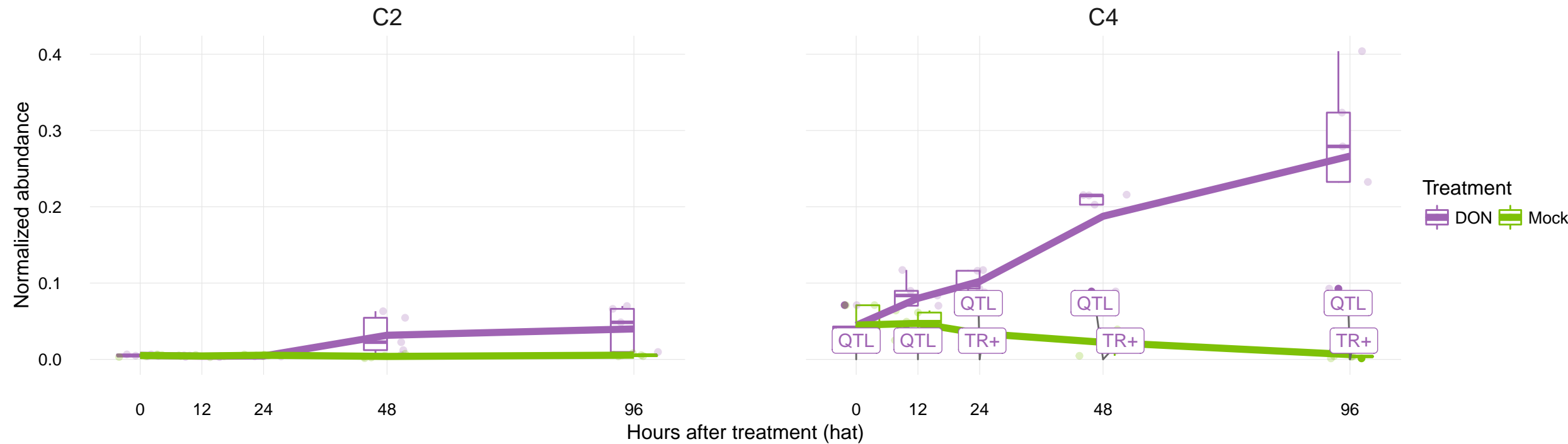


# A.74

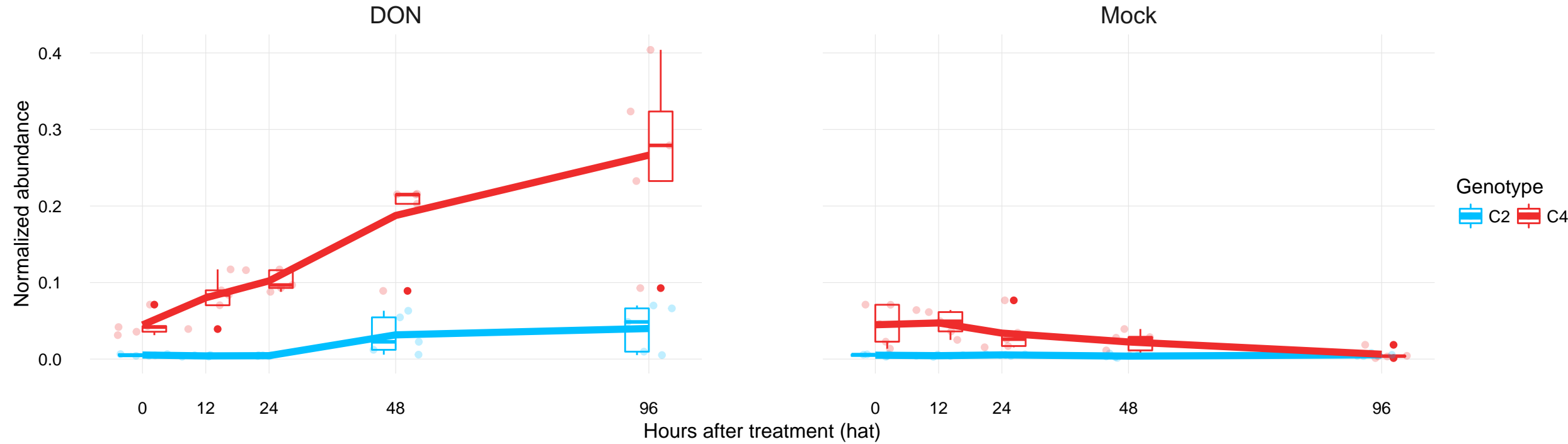
Annotated as Lignan  
(2 database hits)

MZ	538.2285
RT	13.97 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	26 / 18

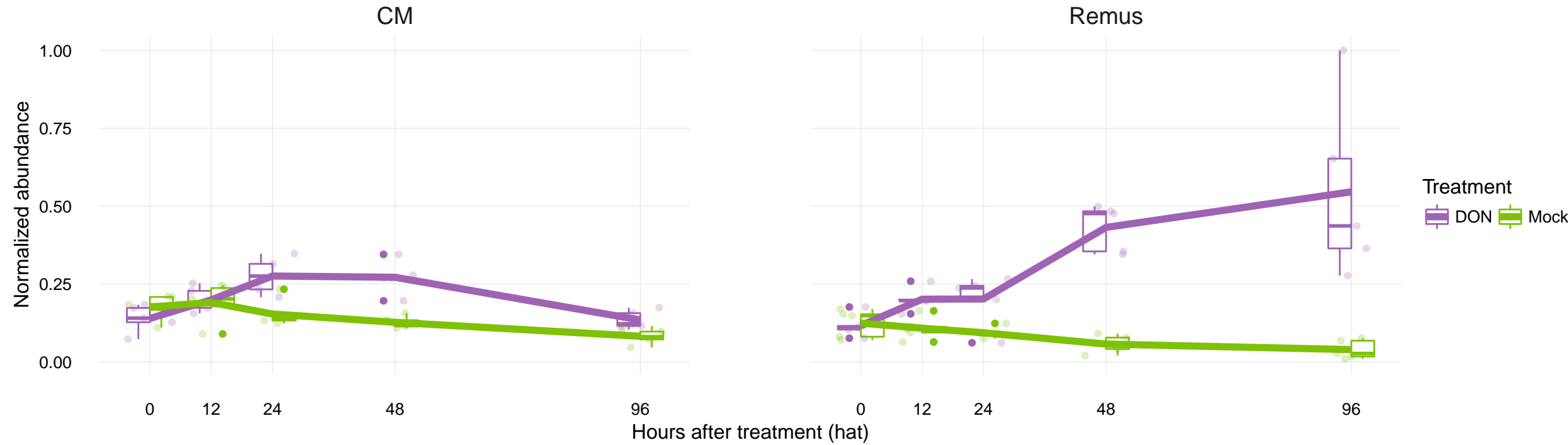
## C2, C4; different treatments



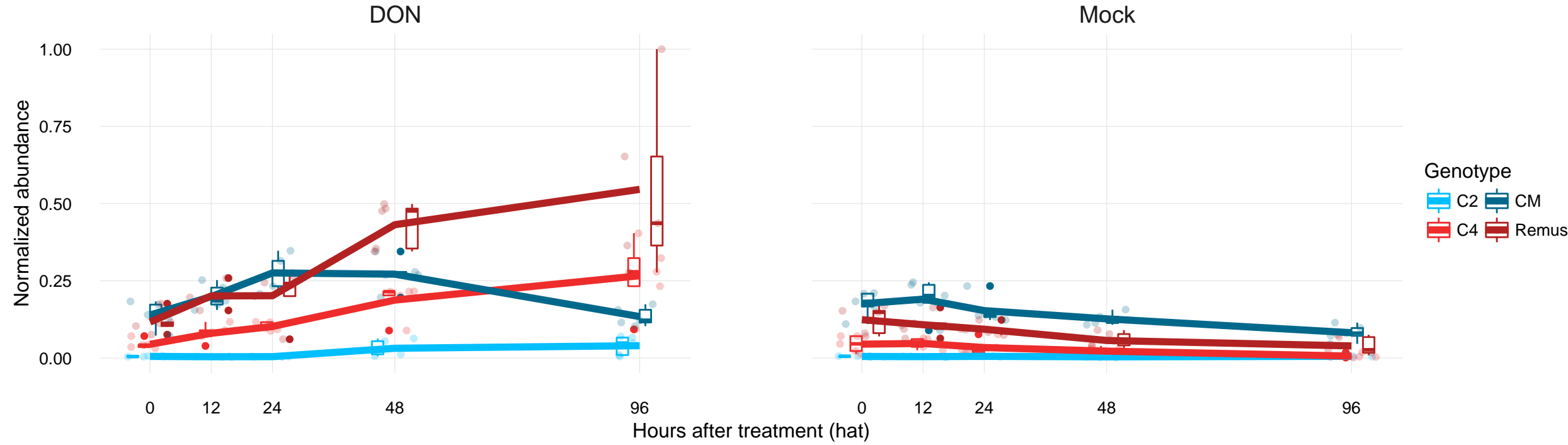
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

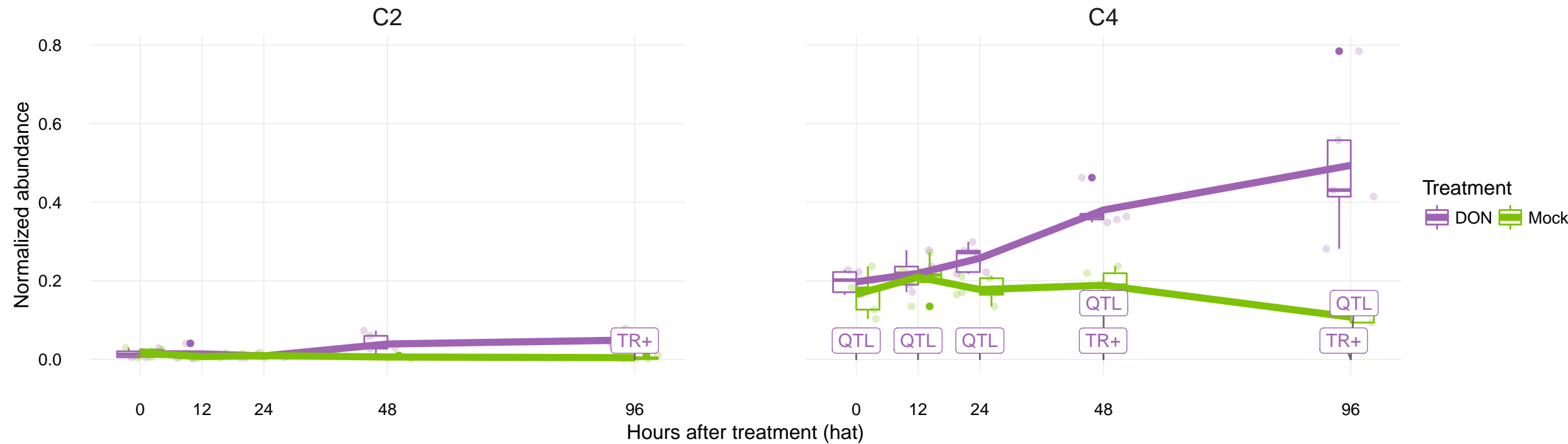


# A.79

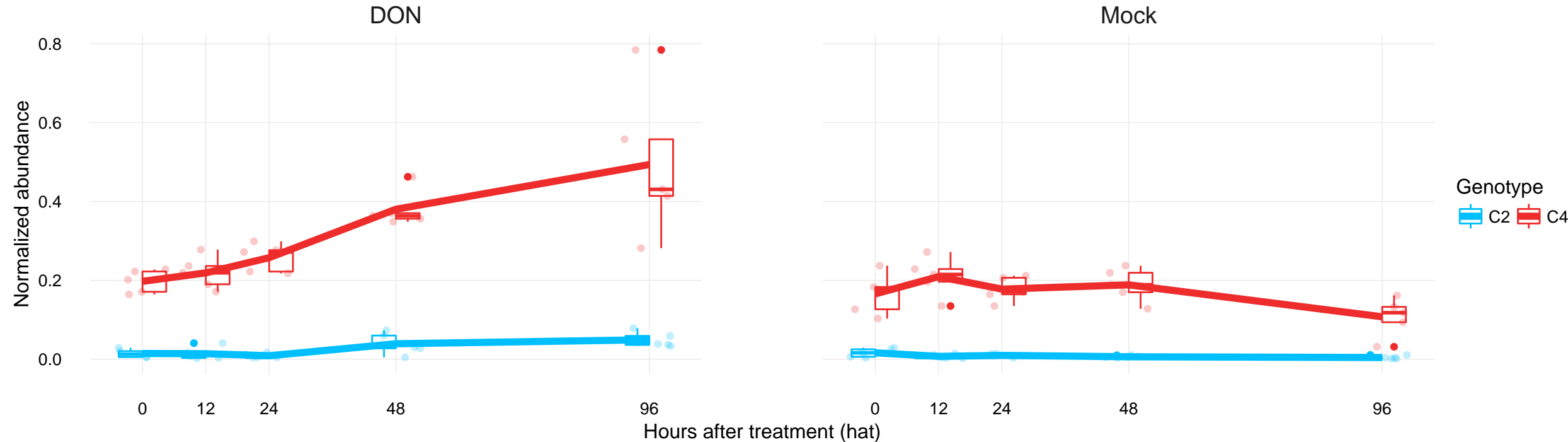
Annotated as Lignan  
(1 database hit)

MZ	540.2441
RT	14.25 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	26 / 18

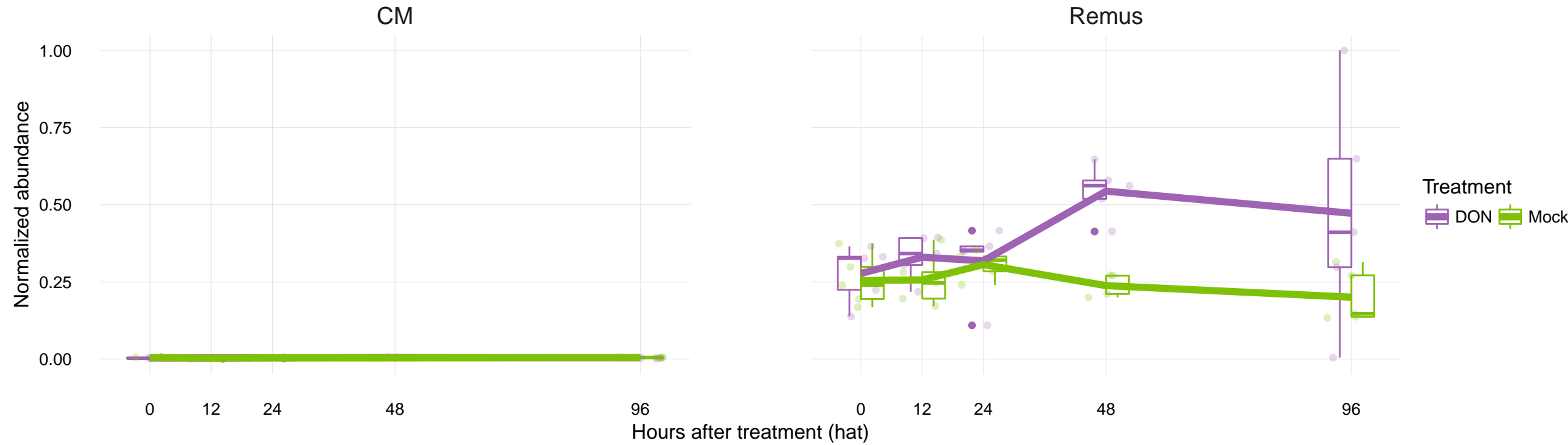
## C2, C4; different treatments



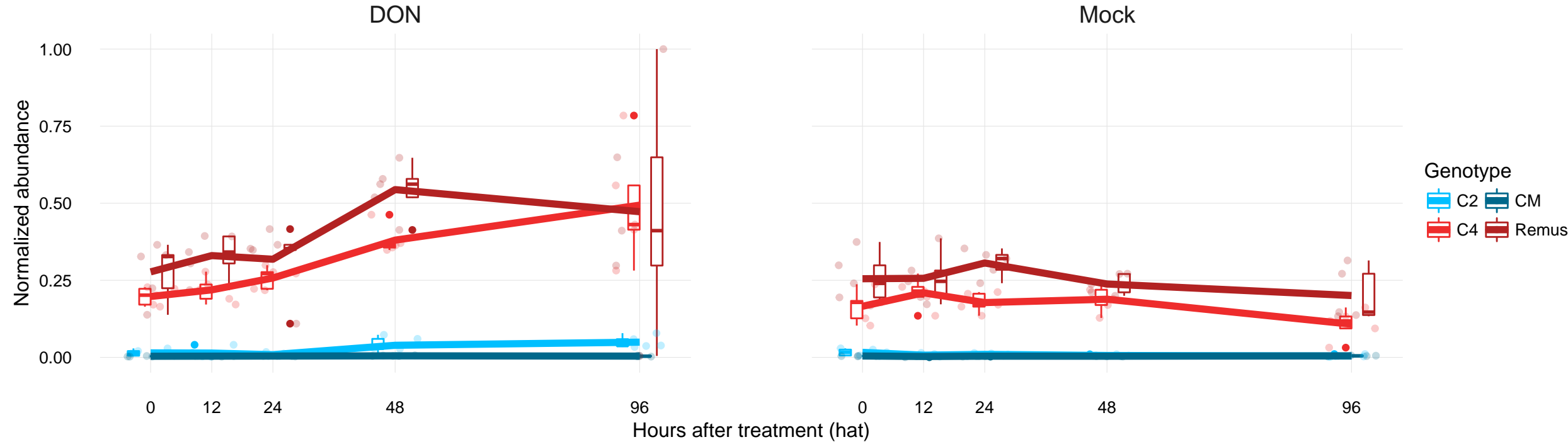
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

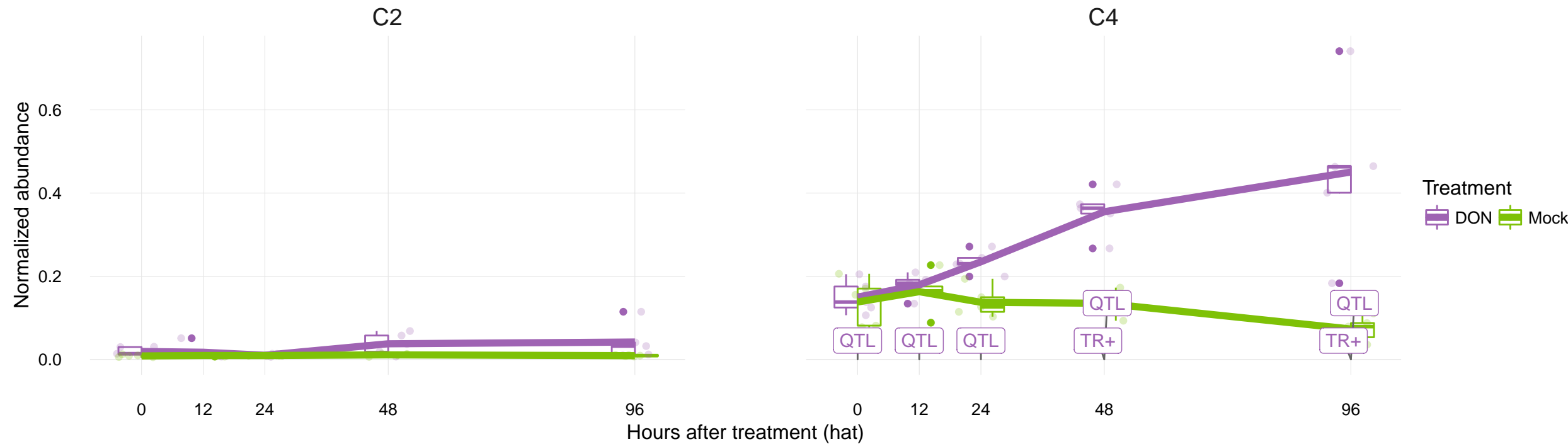


# A.43

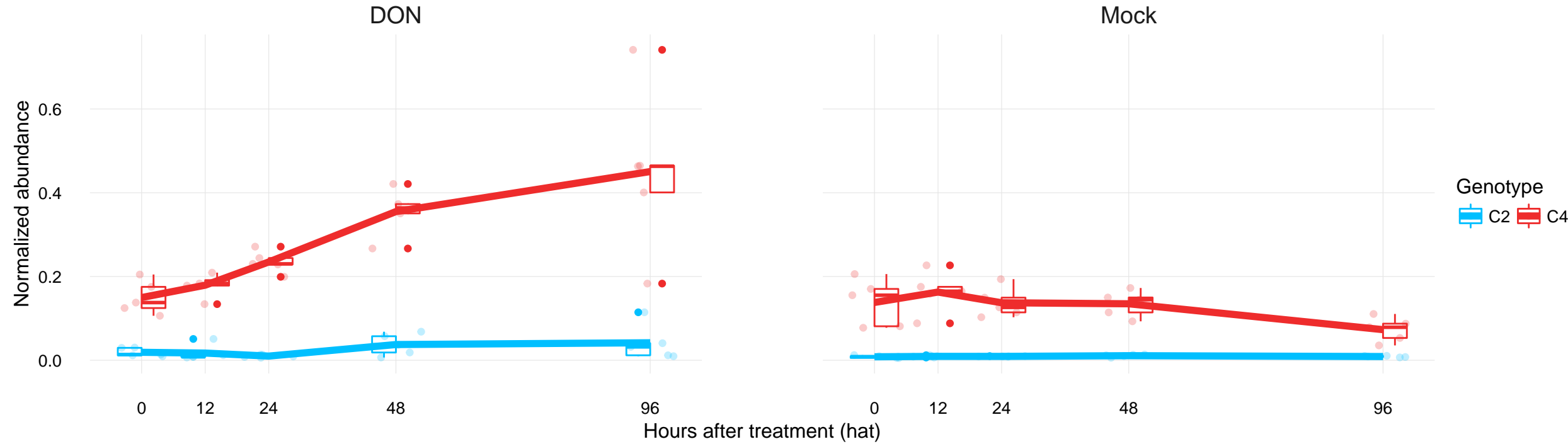
Annotated as Lignan  
(1 database hit)

MZ	556.2392
RT	11.19 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	26 / 18

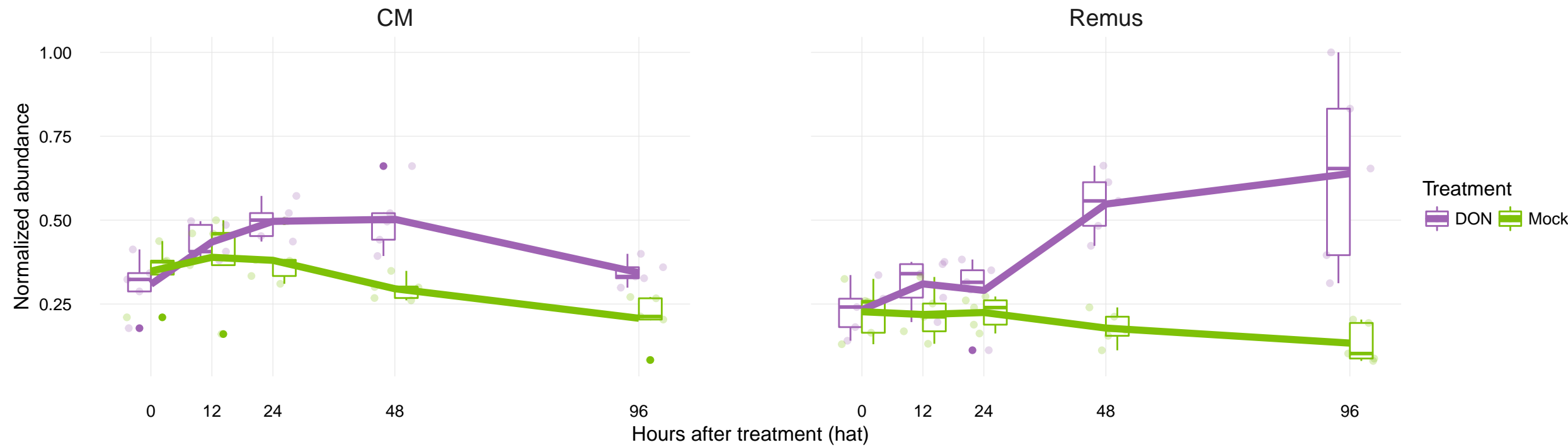
## C2, C4; different treatments



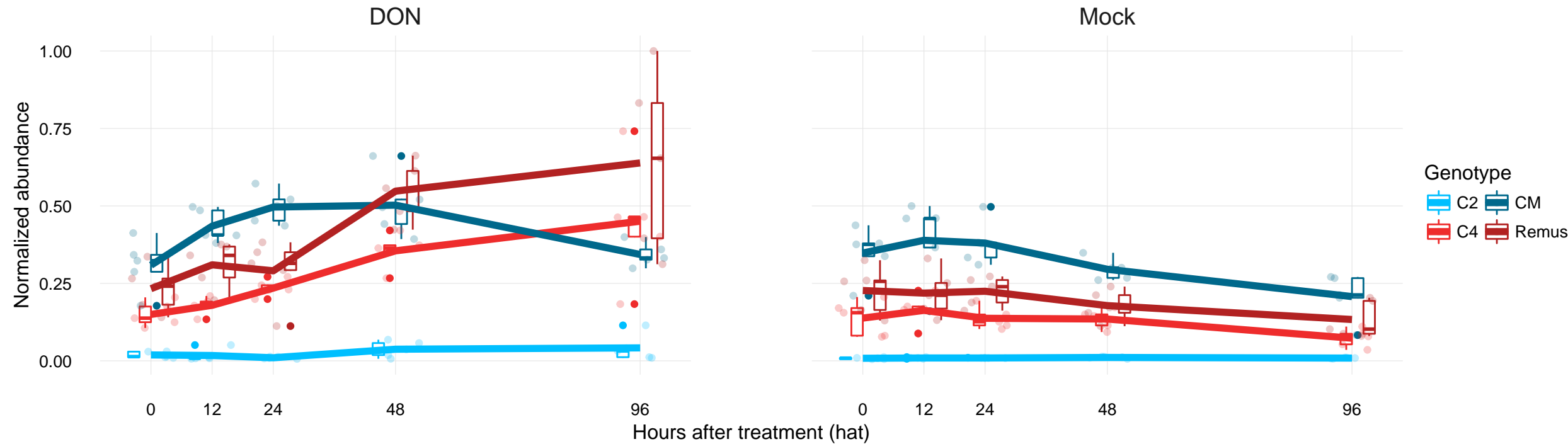
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

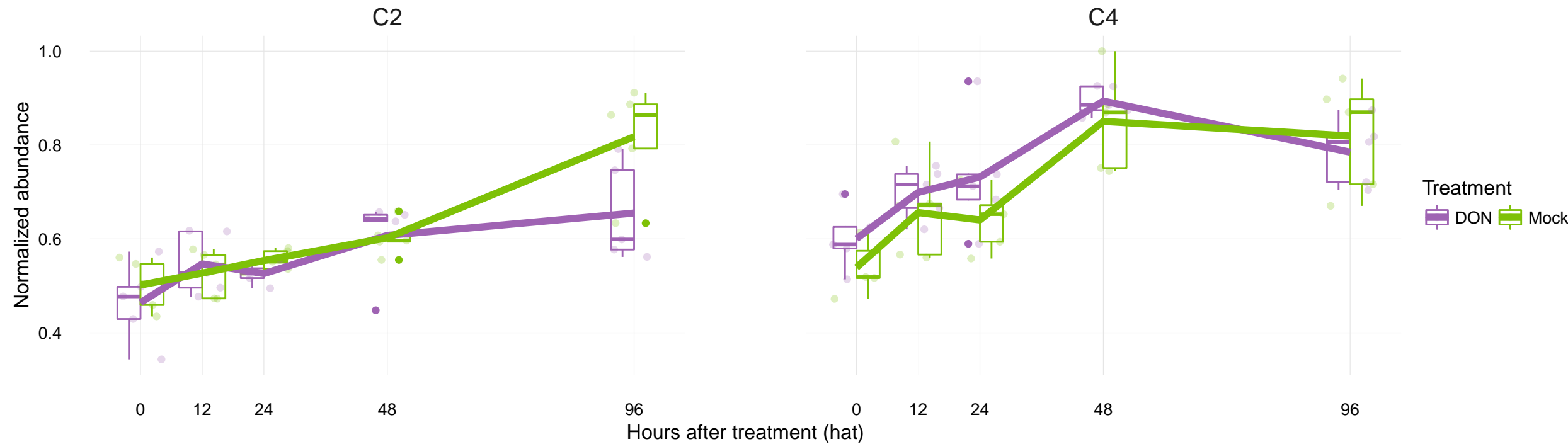


# U.6

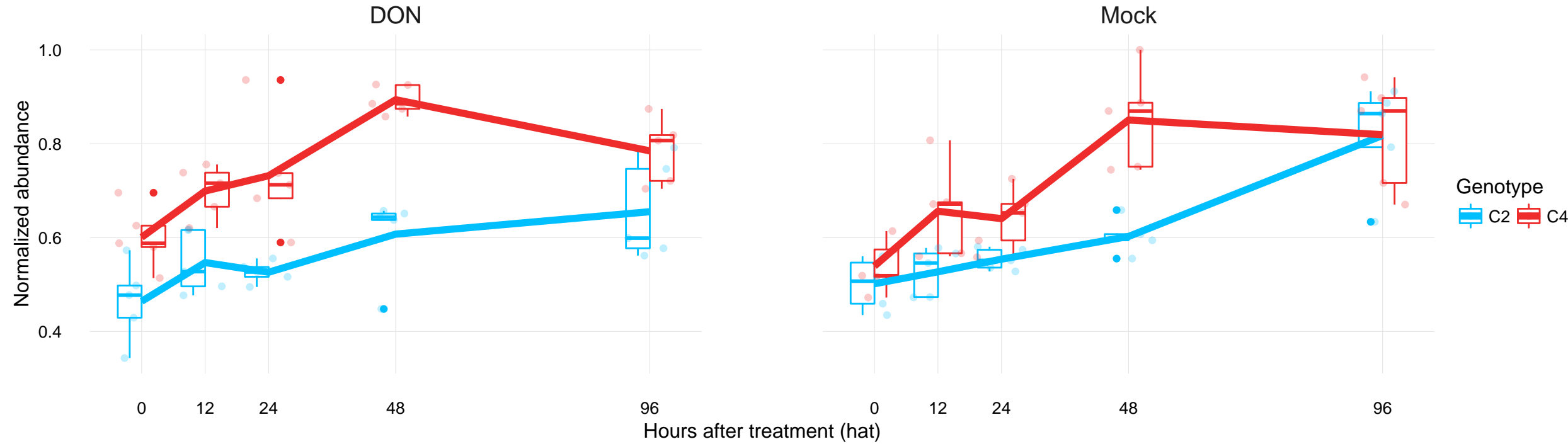
Unknown Phe-derived wheat-metabolite

MZ	395.0955
RT	12.79 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	7 / 7

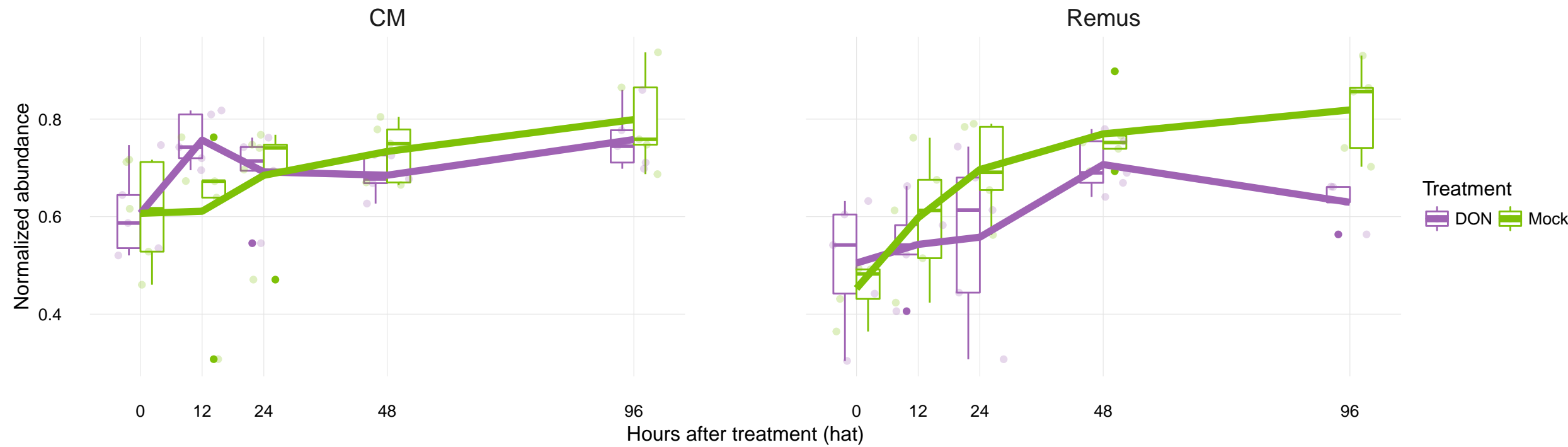
C2, C4; different treatments



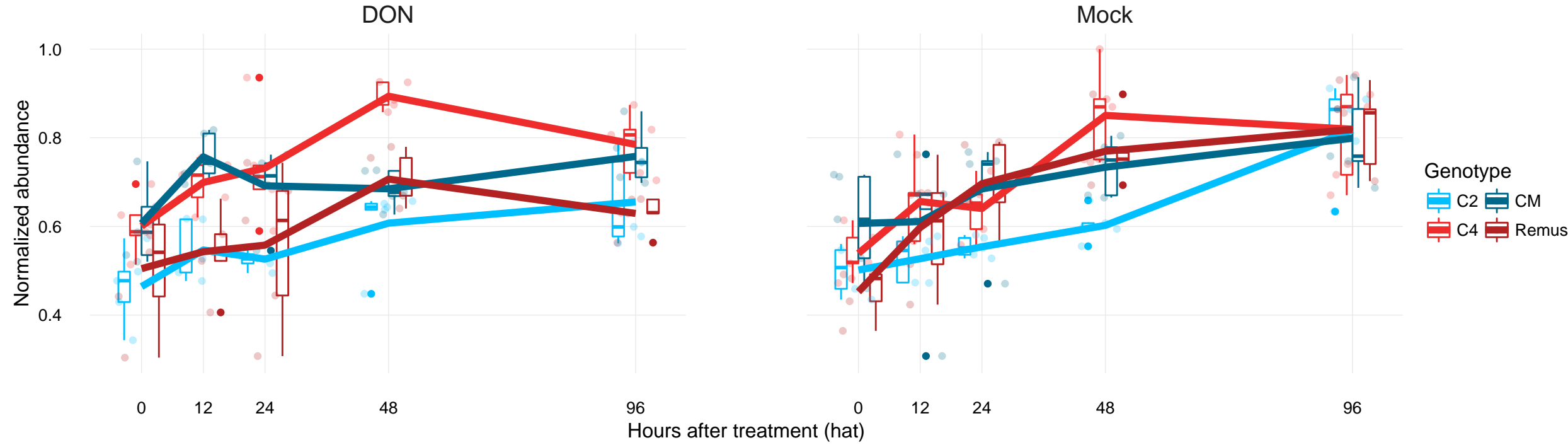
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

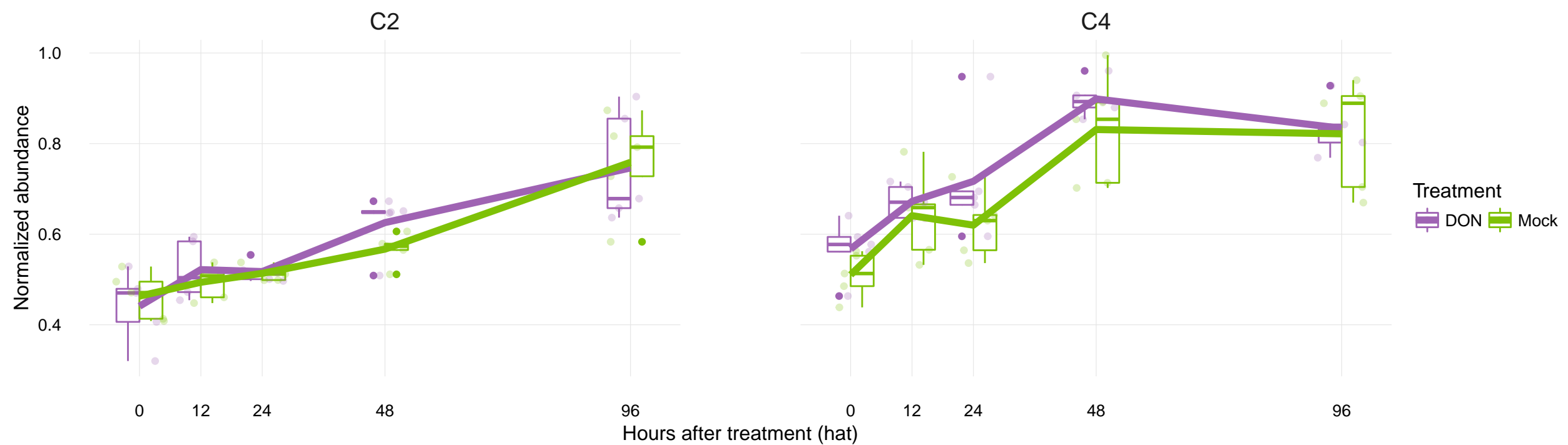


# A.58

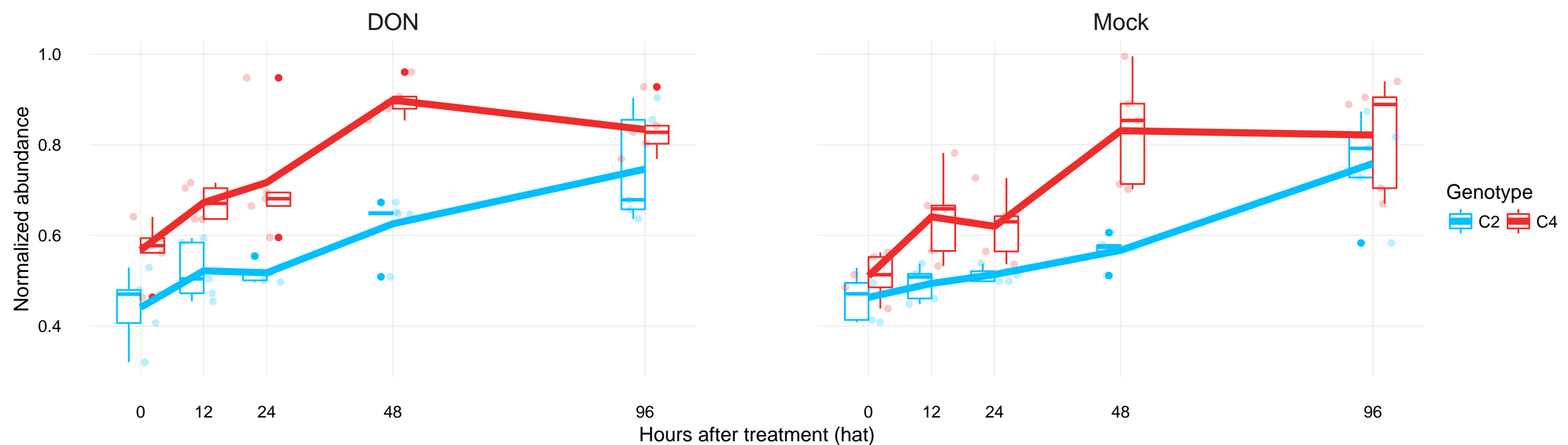
Annotated as Putative benzoic acid derivative  
(1 database hit)

MZ	197.0809
RT	12.78 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	10 / 7

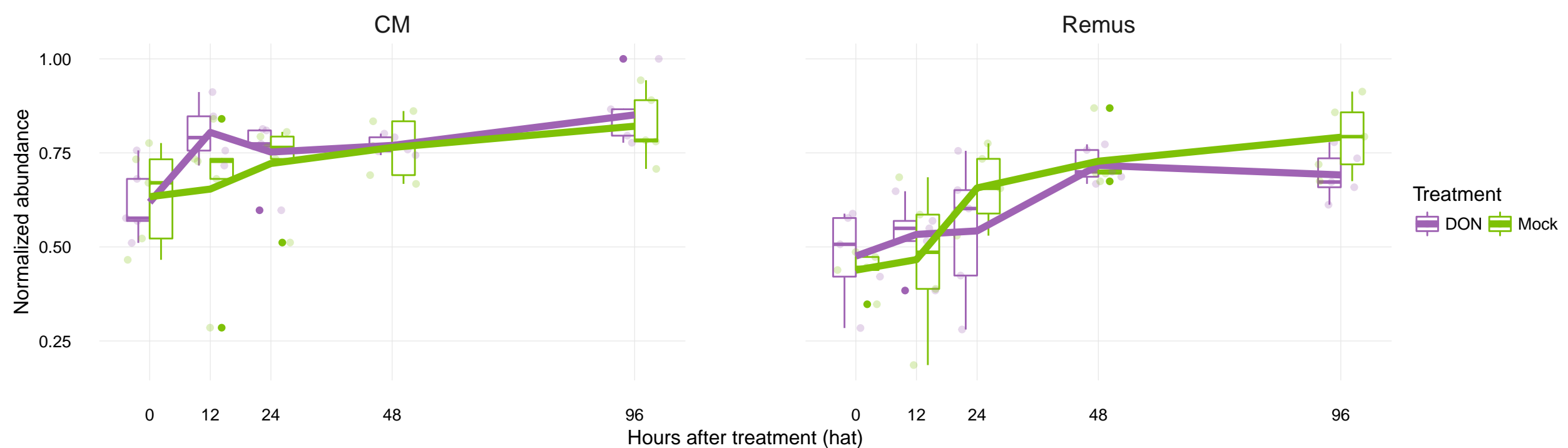
## C2, C4; different treatments



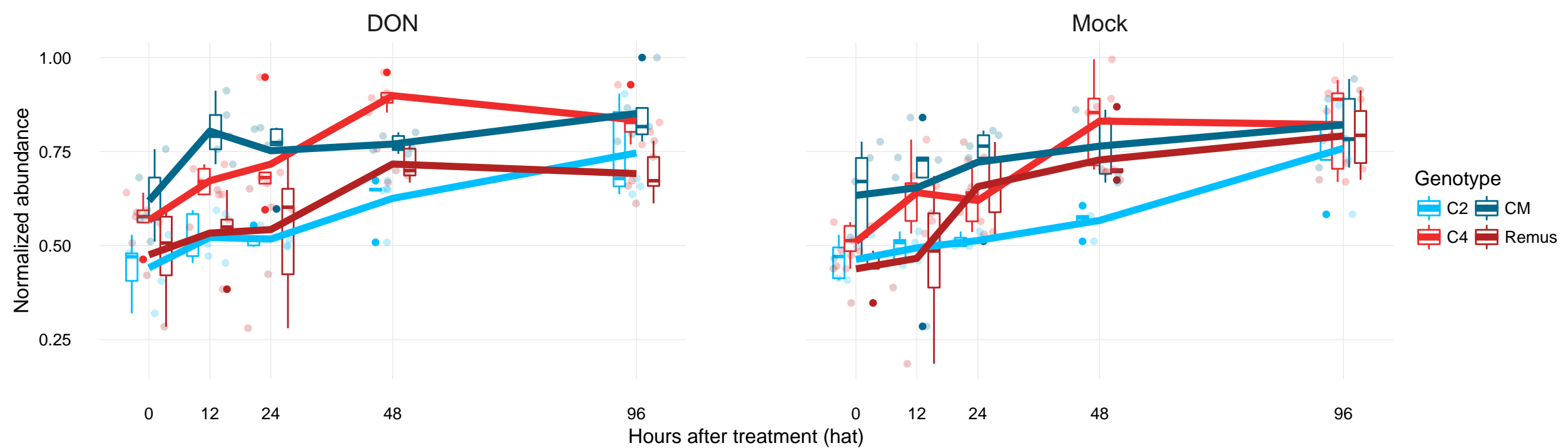
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

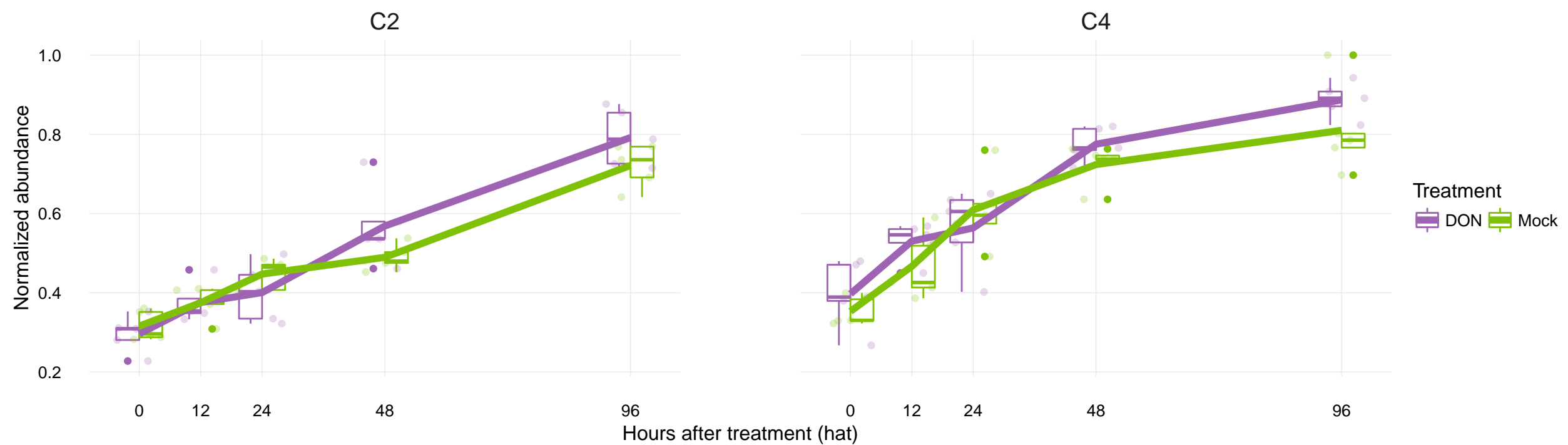


# A.94

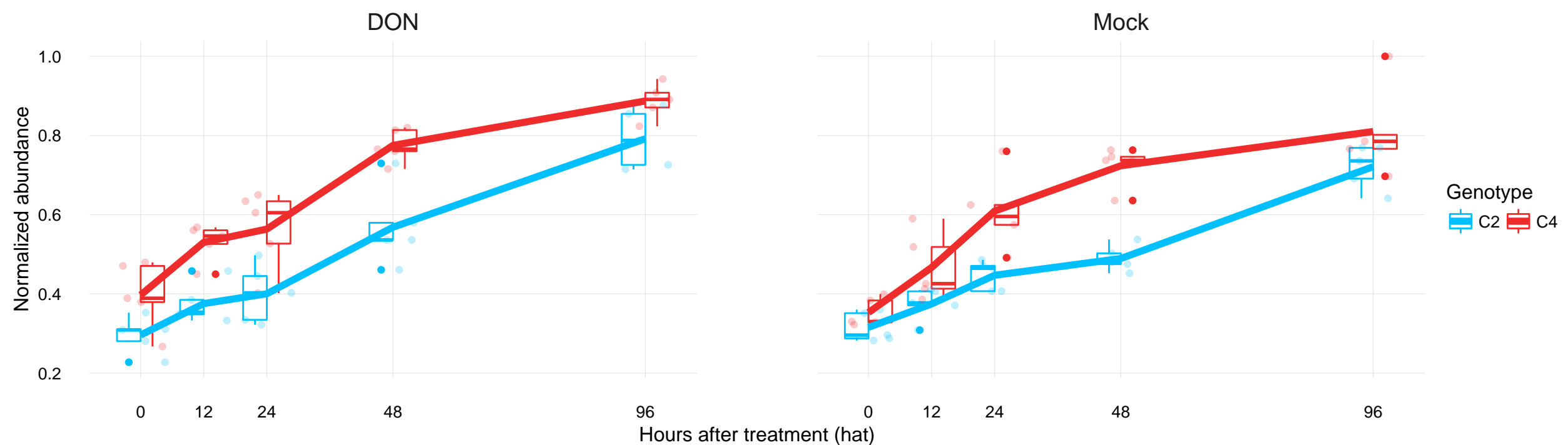
Annotated as Putative phenylacetic acid derivative  
(2 database hits)

MZ	393.1158
RT	16.24 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	17 / 8

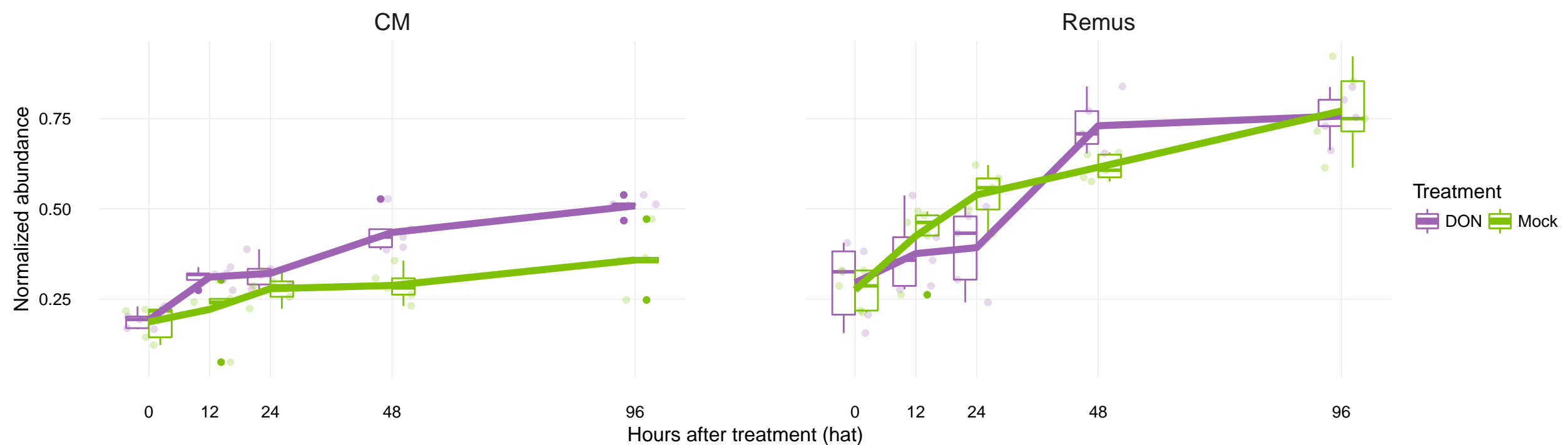
## C2, C4; different treatments



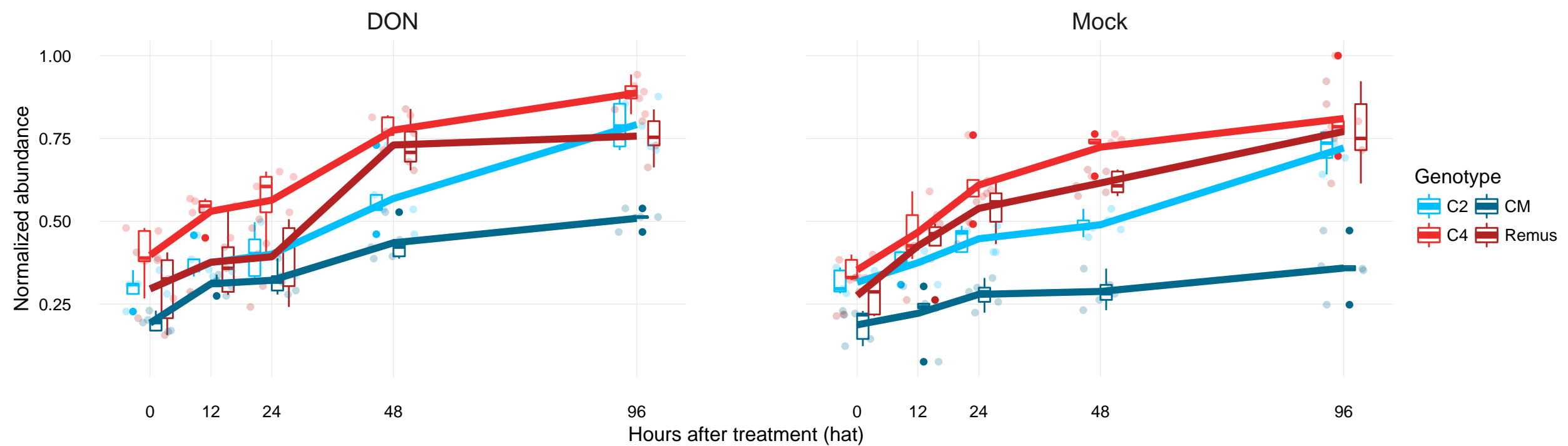
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

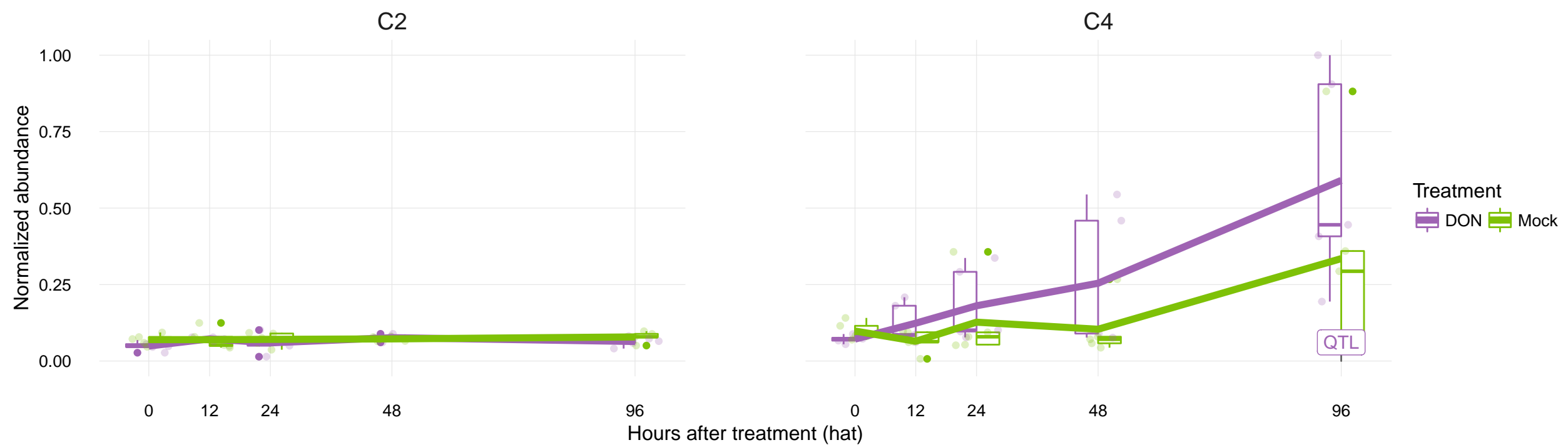


# A.96

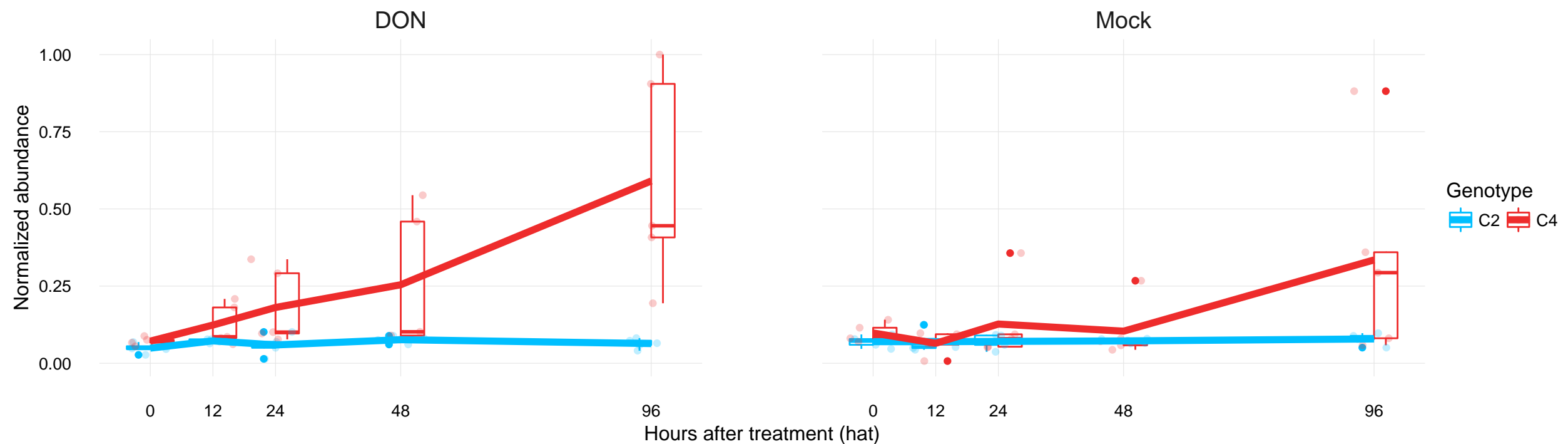
Annotated as Putative phenylacetic acid derivative  
(1 database hit)

MZ	335.1128
RT	16.27 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 2
Cn total / Phe	17 / 8

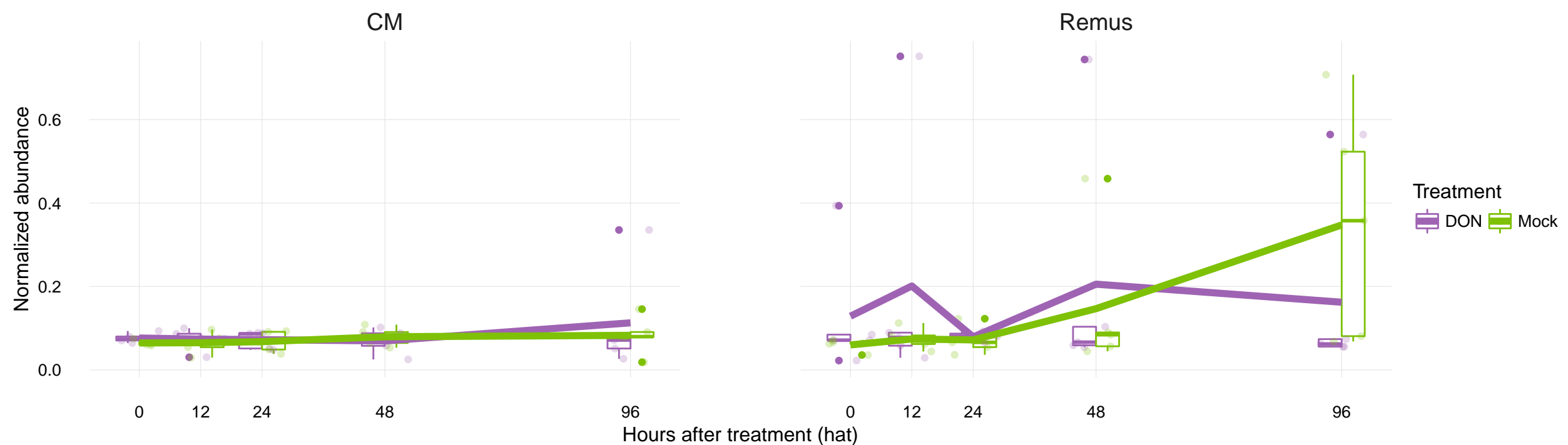
## C2, C4; different treatments



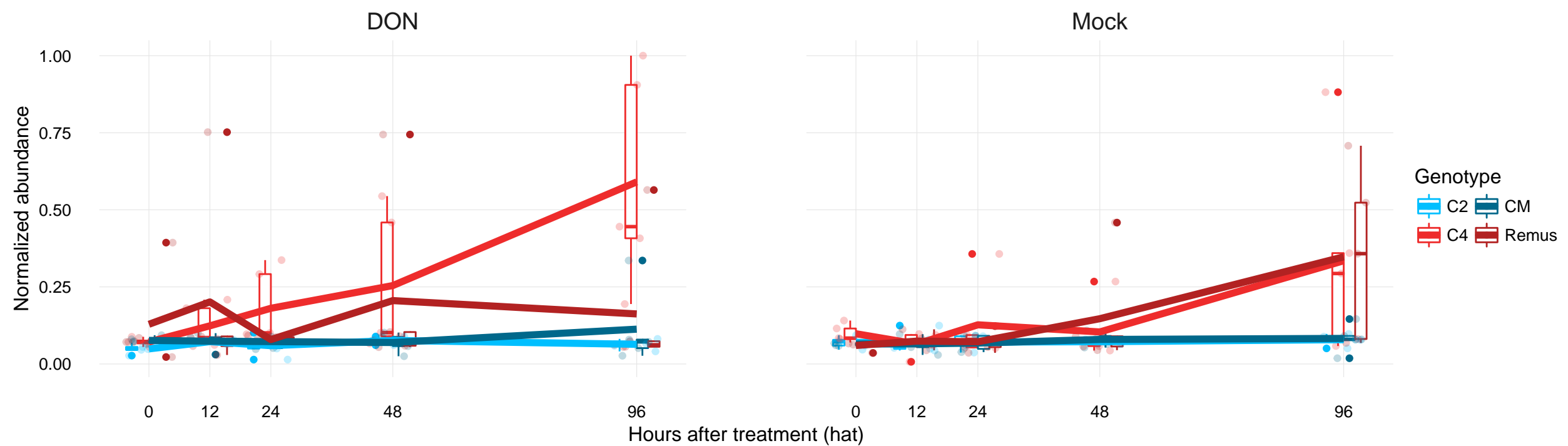
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



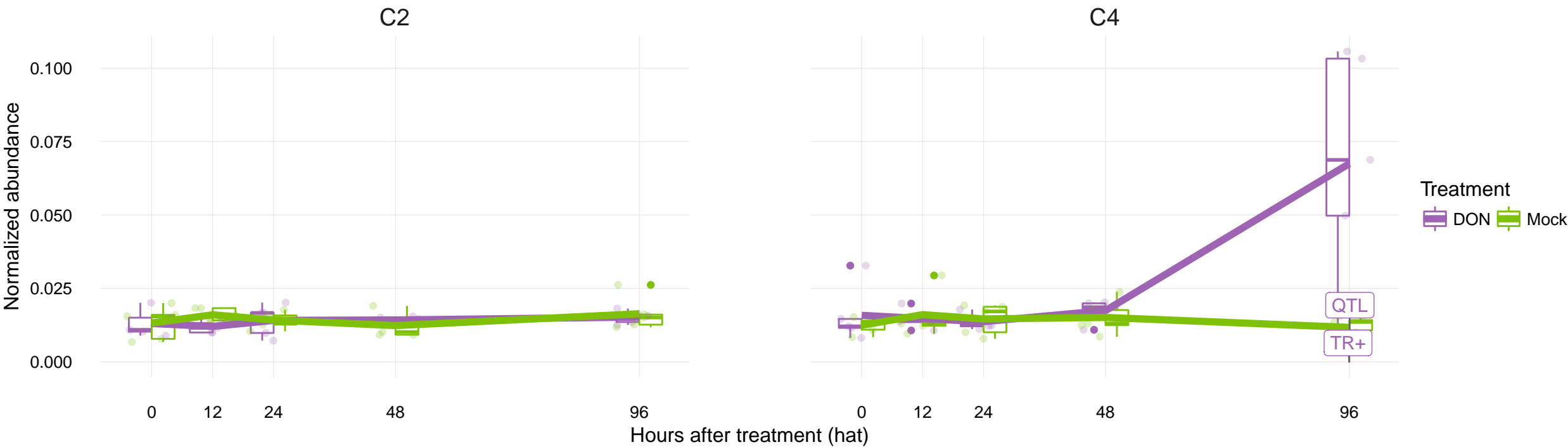


# A.80

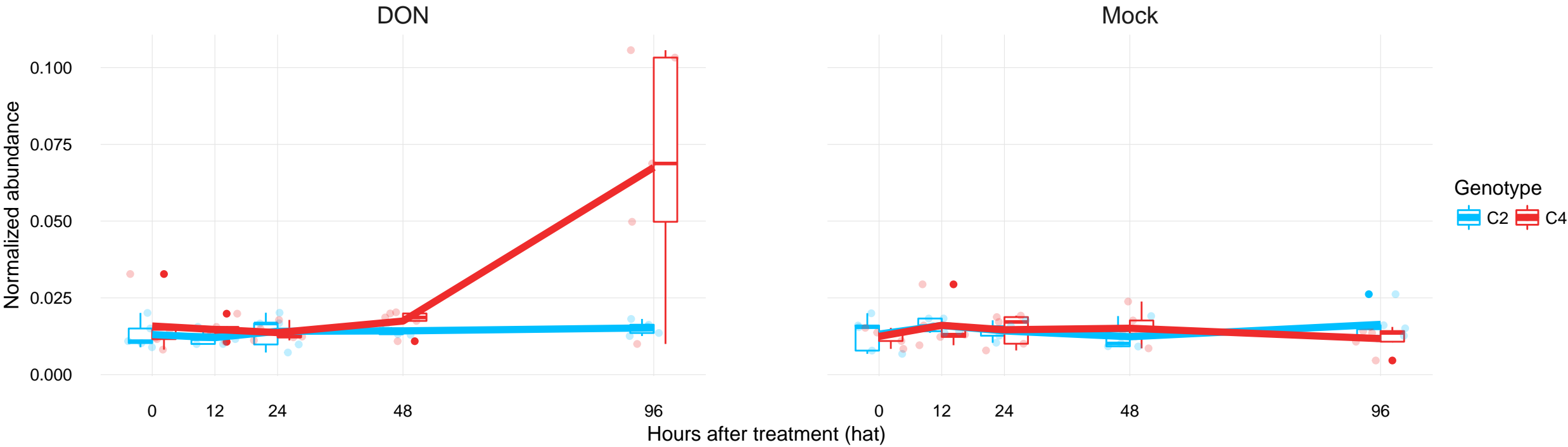
Annotated as Lignan  
(1 database hit)

MZ	600.2654
RT	14.55 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 2
Cn total / Phe	28 / 9

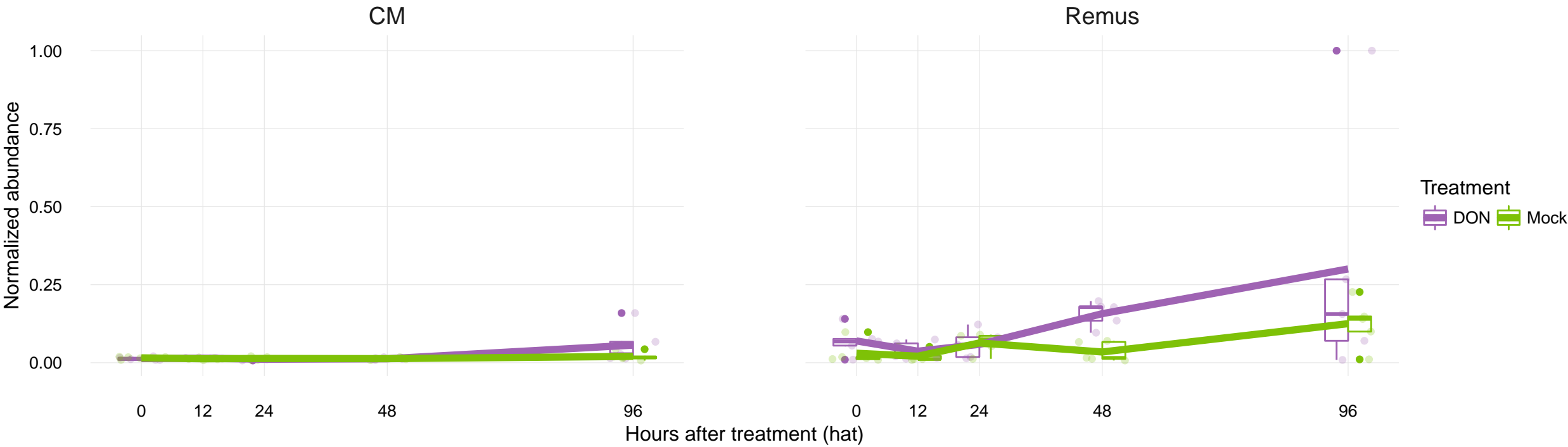
## C2, C4; different treatments



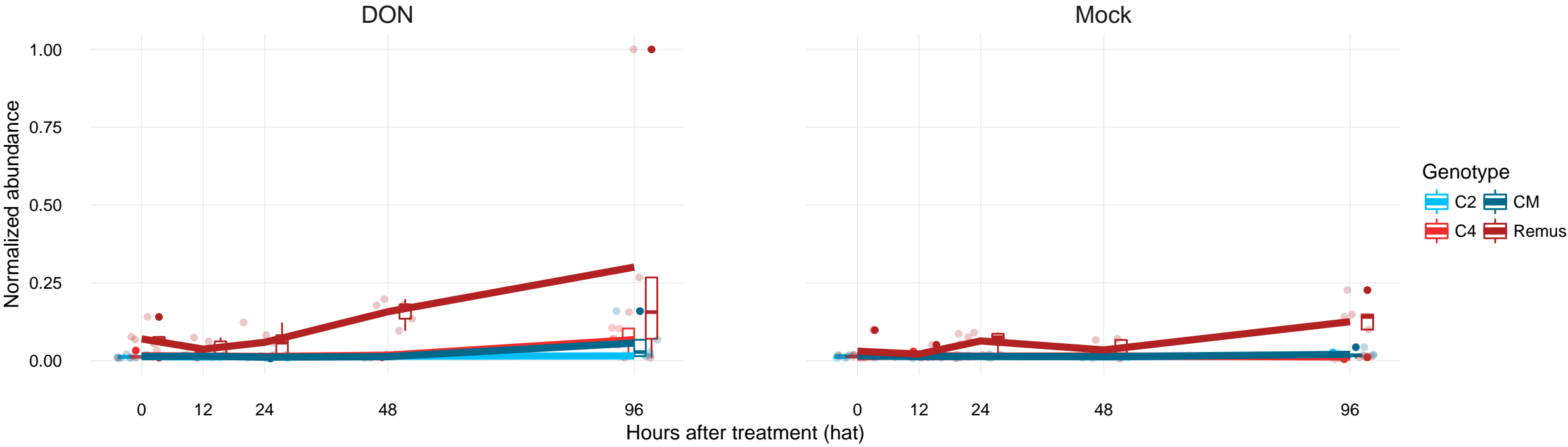
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

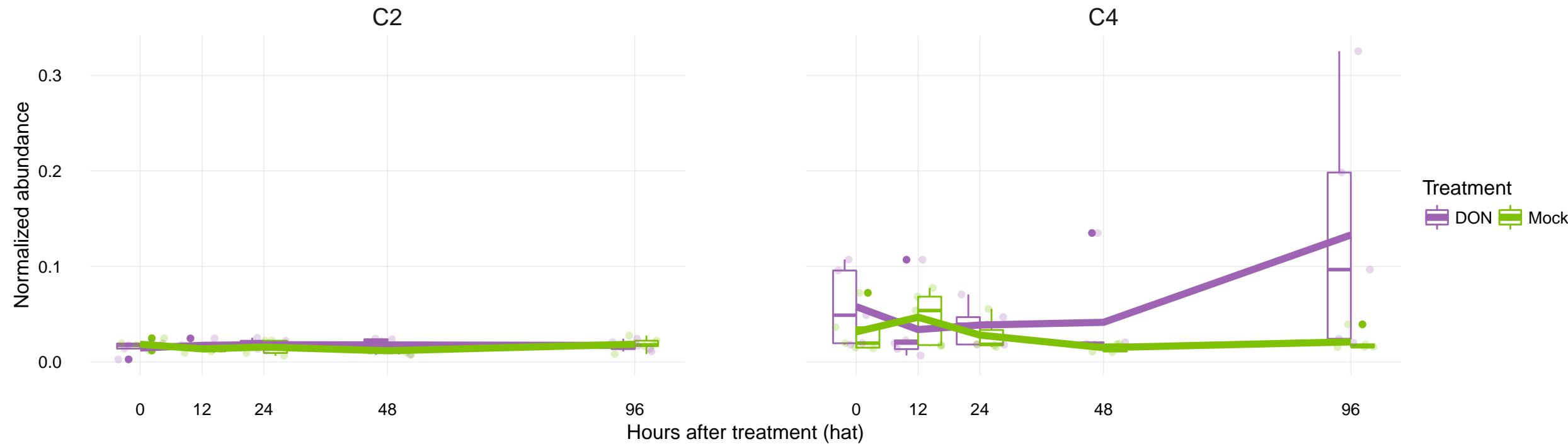


# A.61

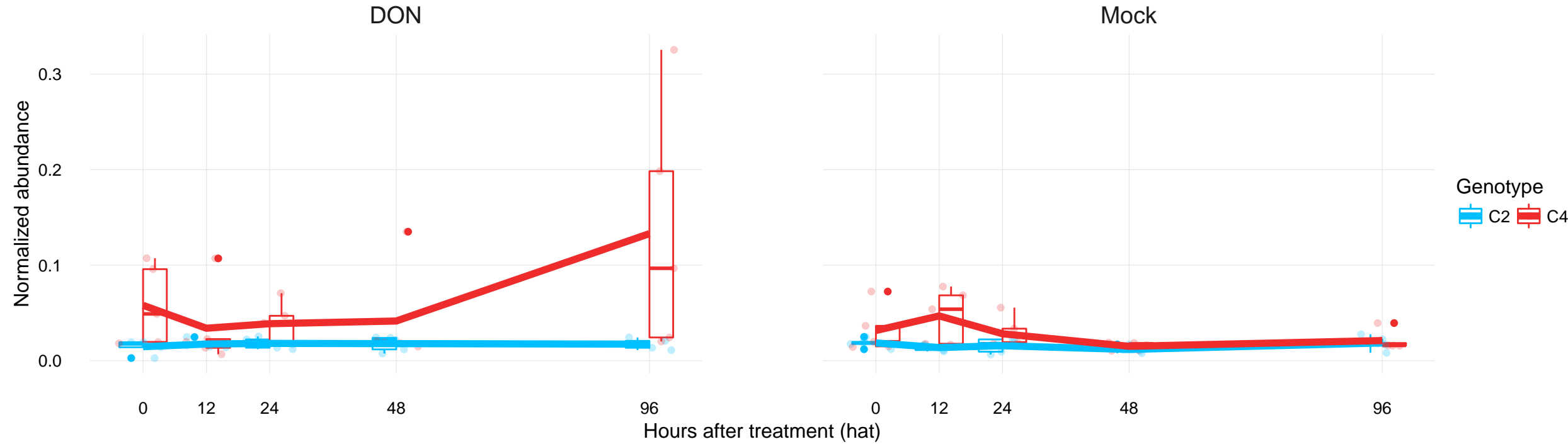
Annotated as HCA derivative  
(1 database hit)

MZ	586.2496
RT	12.88 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 2
Cn total / Phe	27 / 9

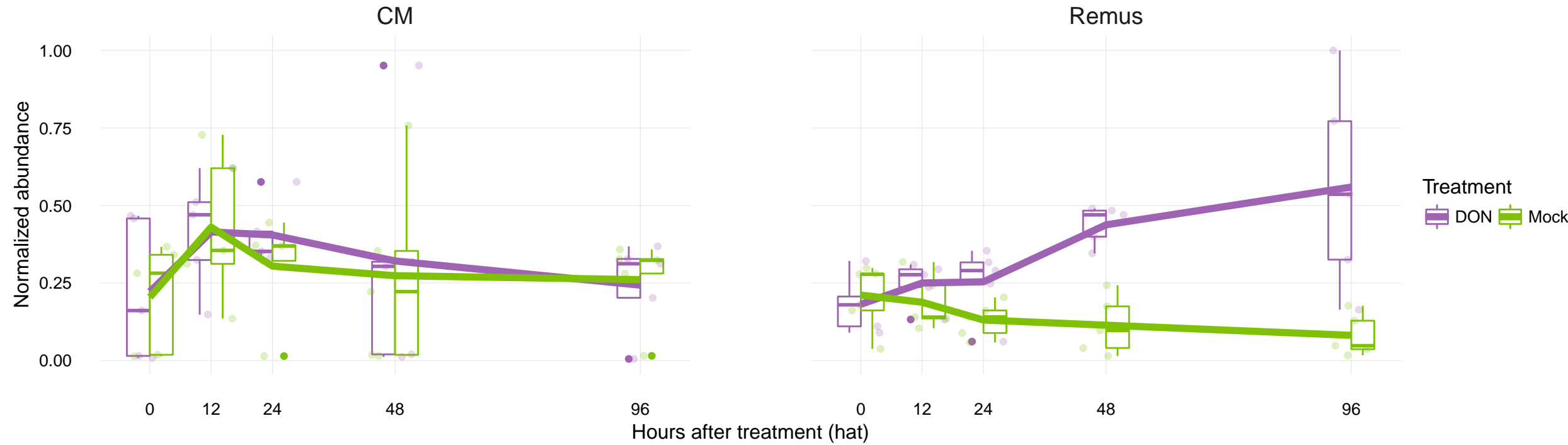
## C2, C4; different treatments



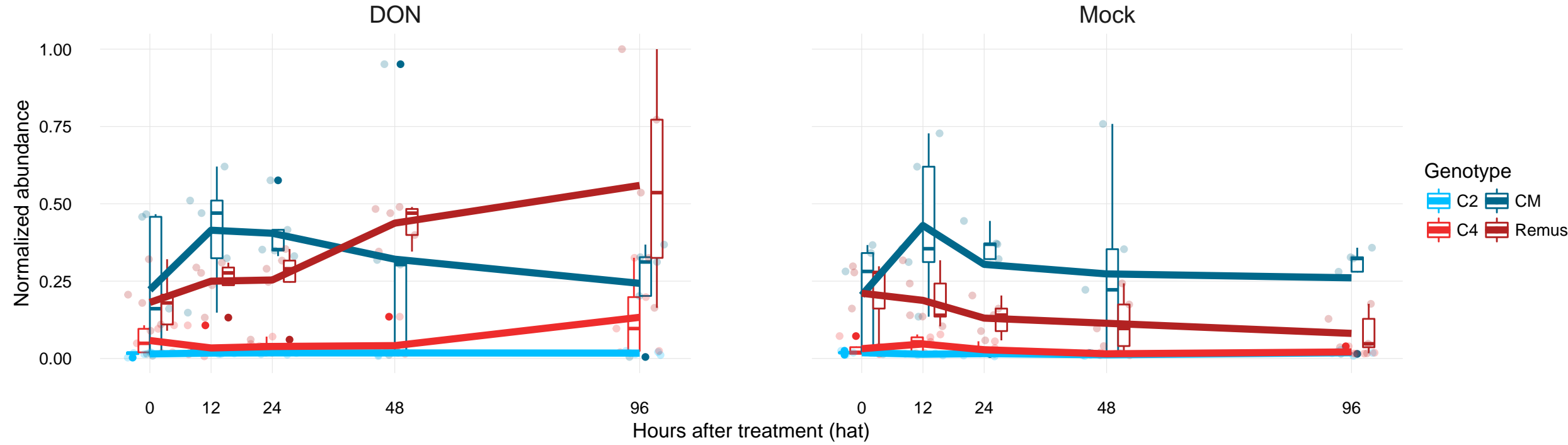
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

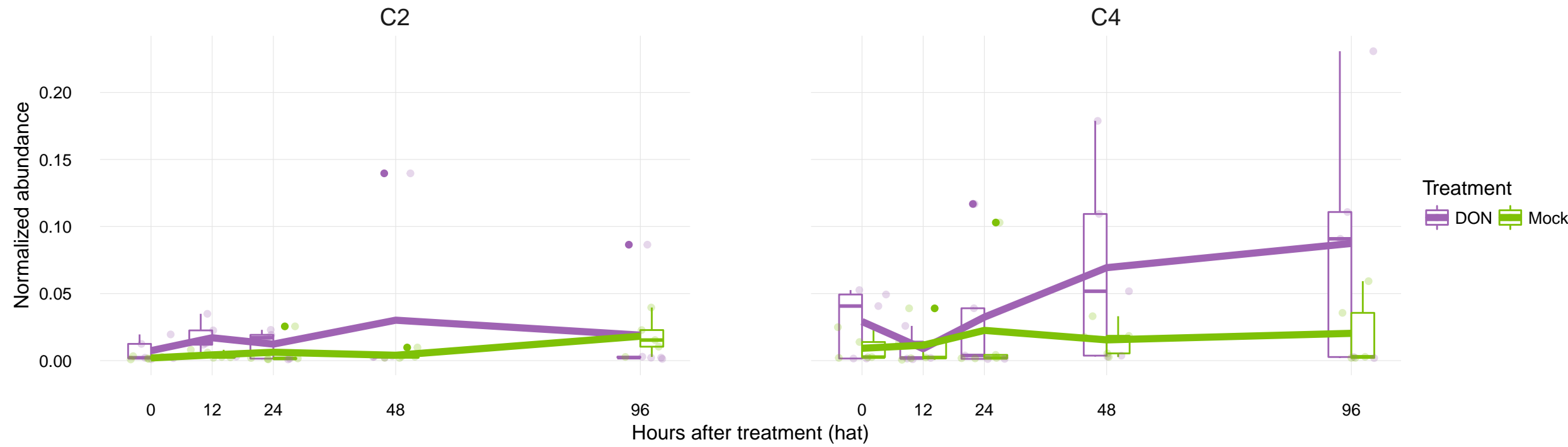


# A.119

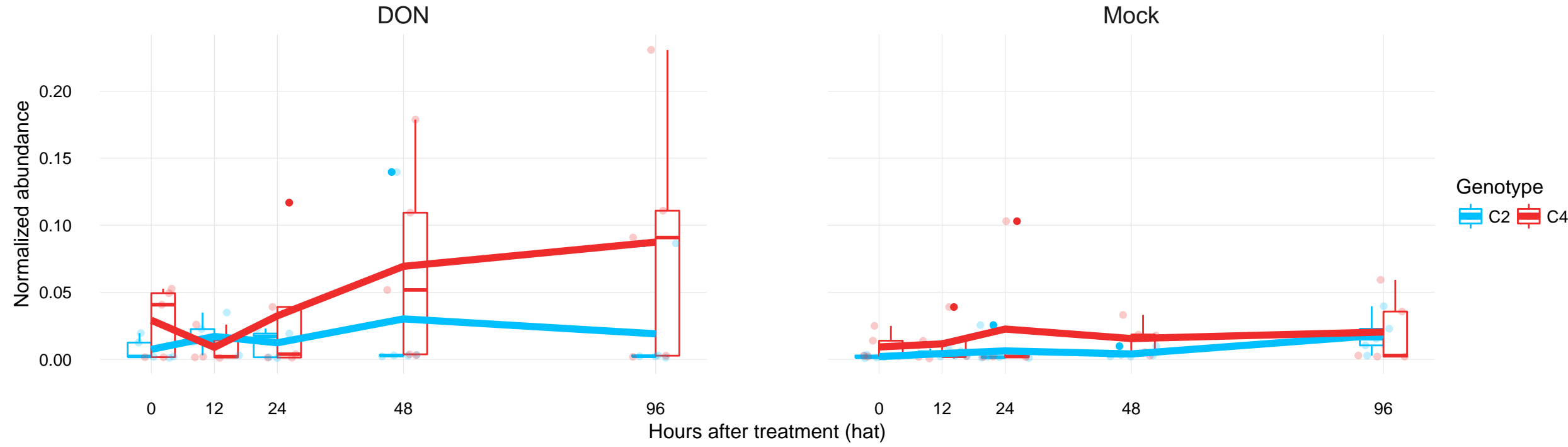
Annotated as Flavonoid  
(21 database hits)

MZ	371.149
RT	19 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 2
Cn total / Phe	21 /

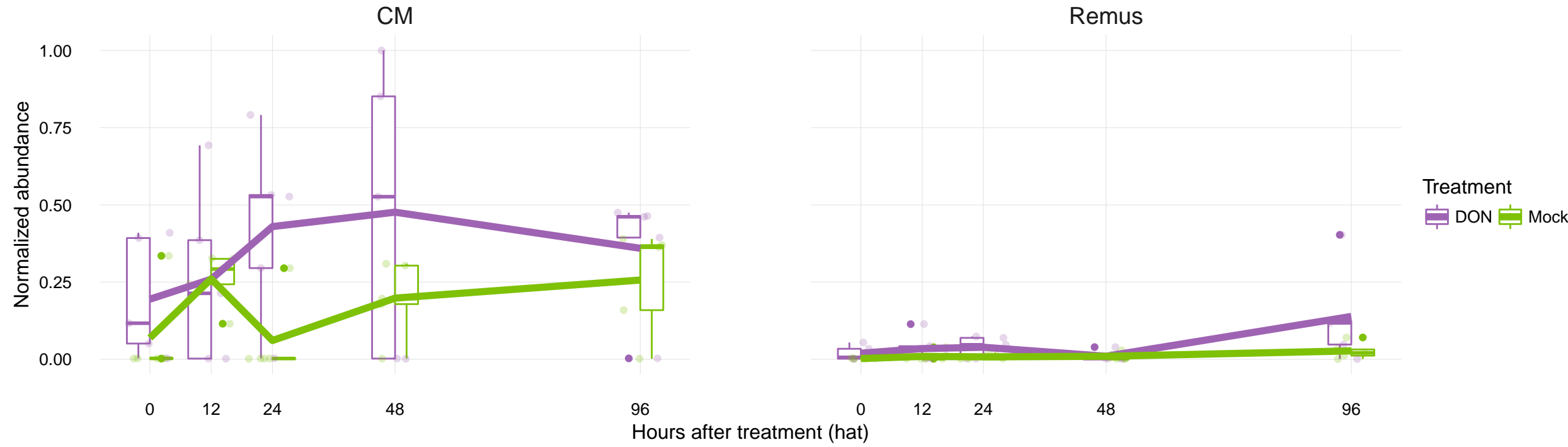
## C2, C4; different treatments



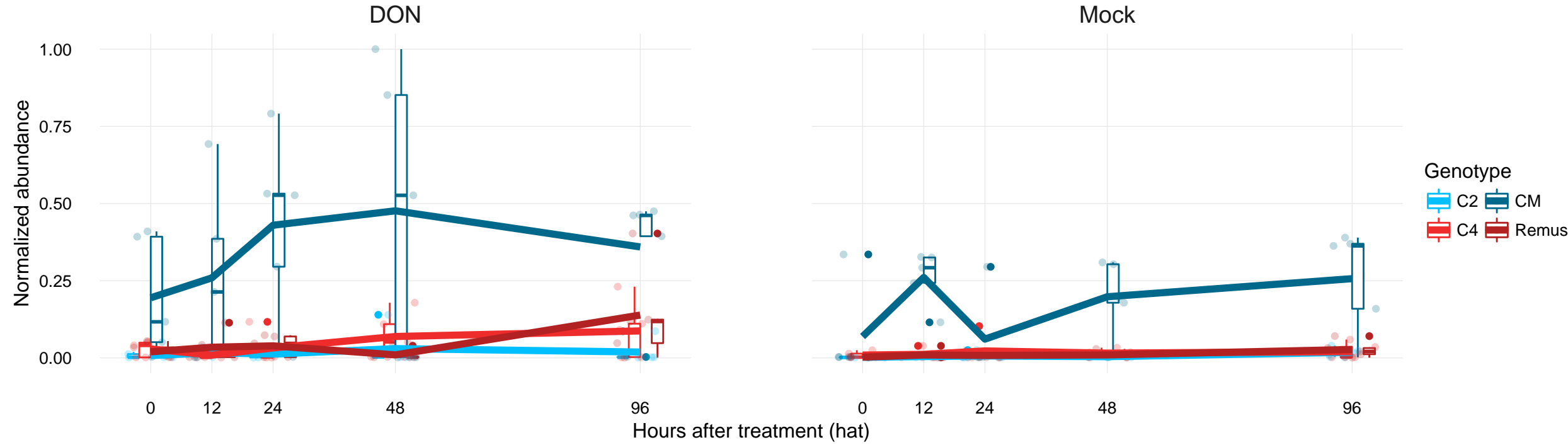
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

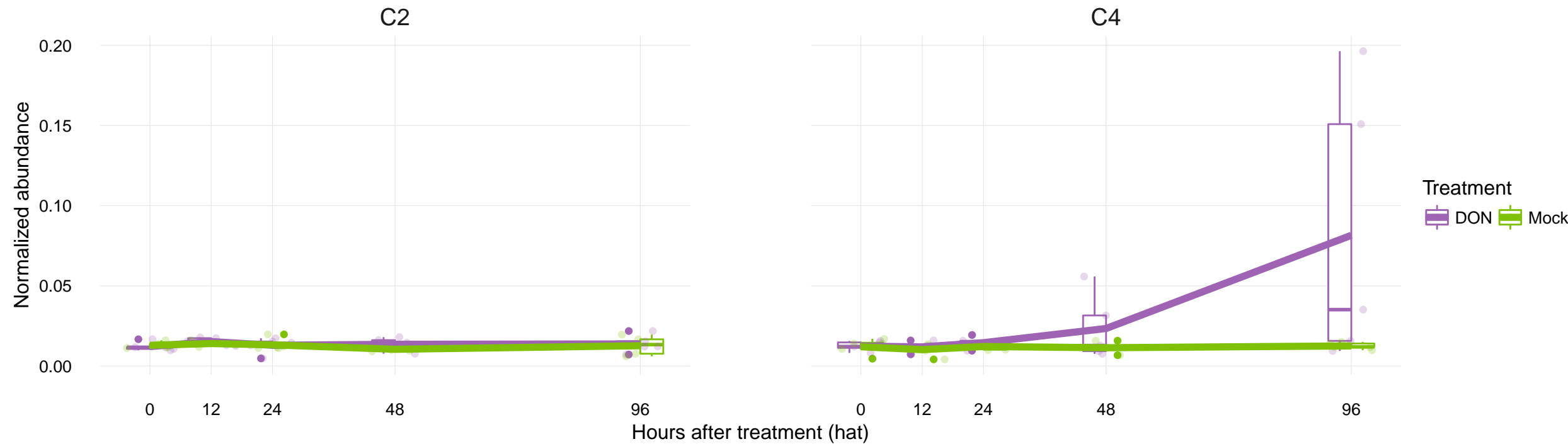


A.65

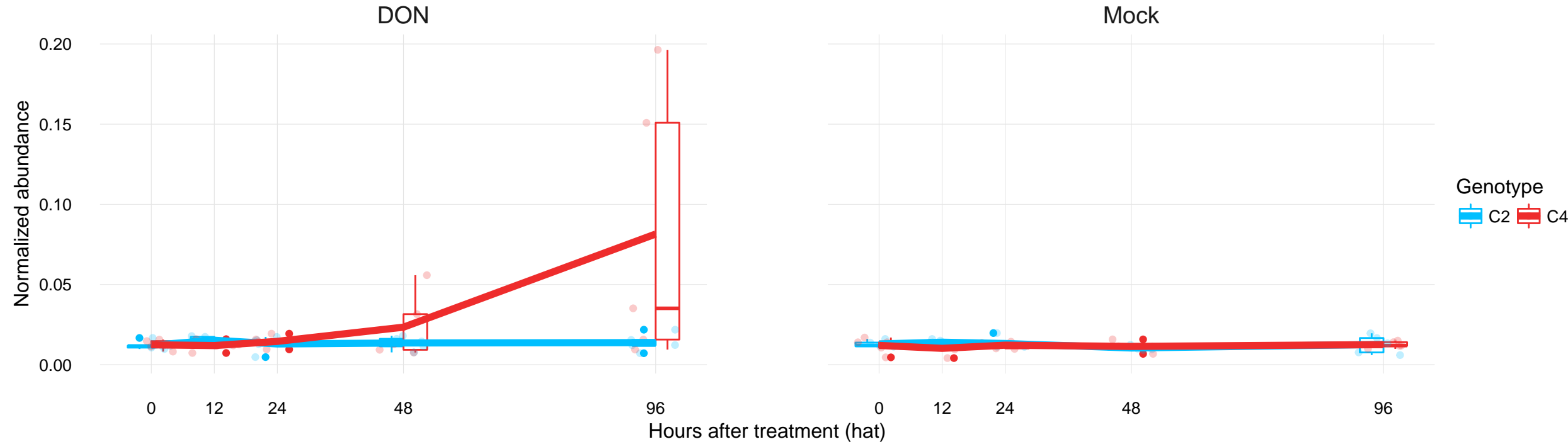
Annotated as Lignan  
(1 database hit)

MZ	540.2439
RT	13.15 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 2
Cn total / Phe	26 / 18

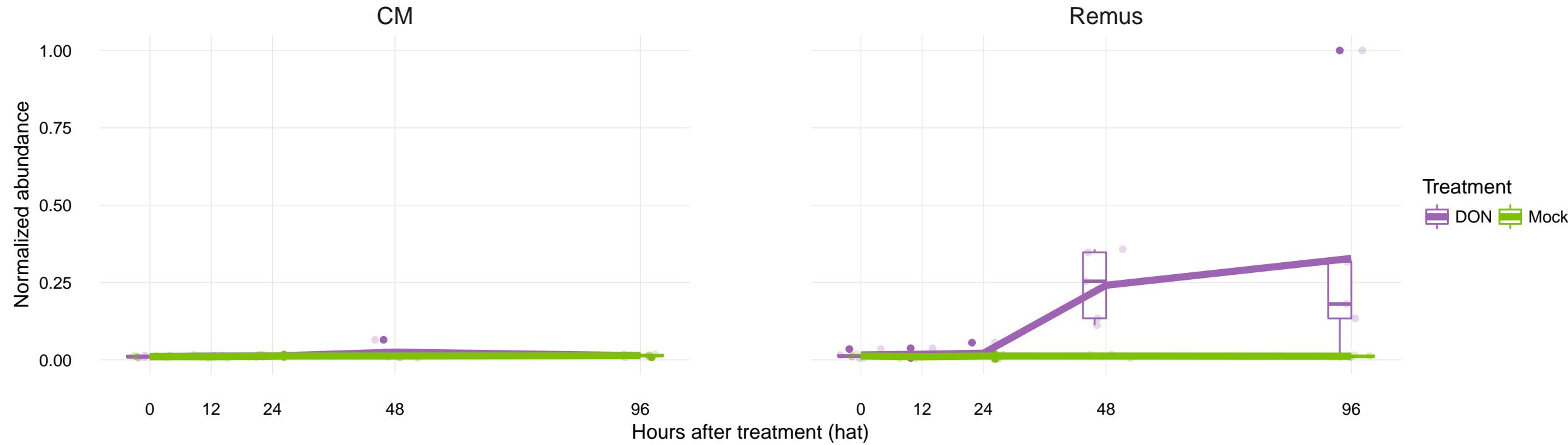
C2, C4; different treatments



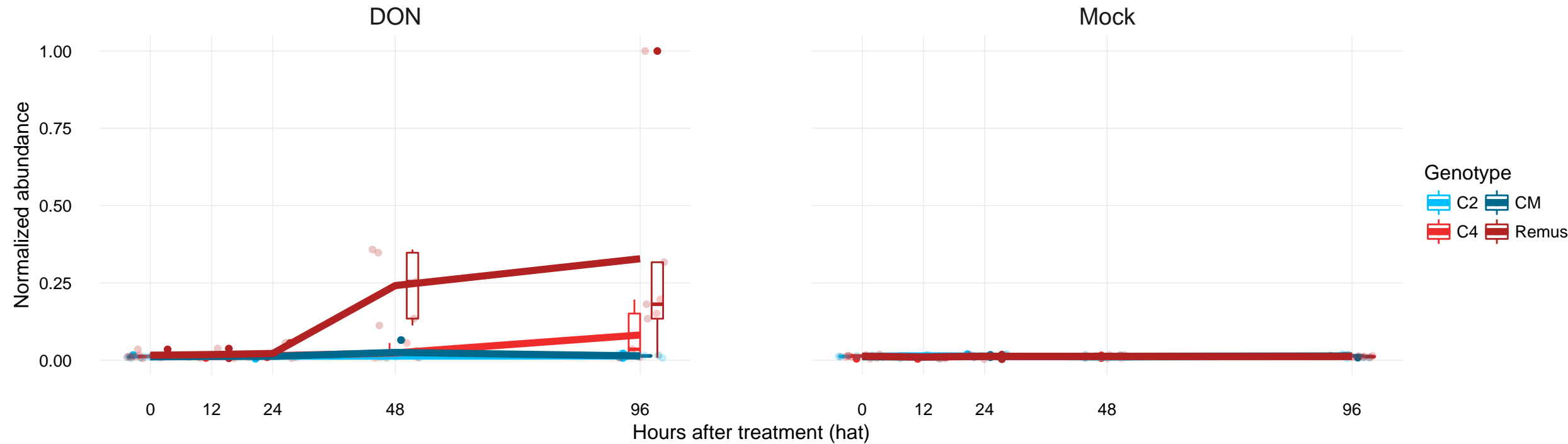
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

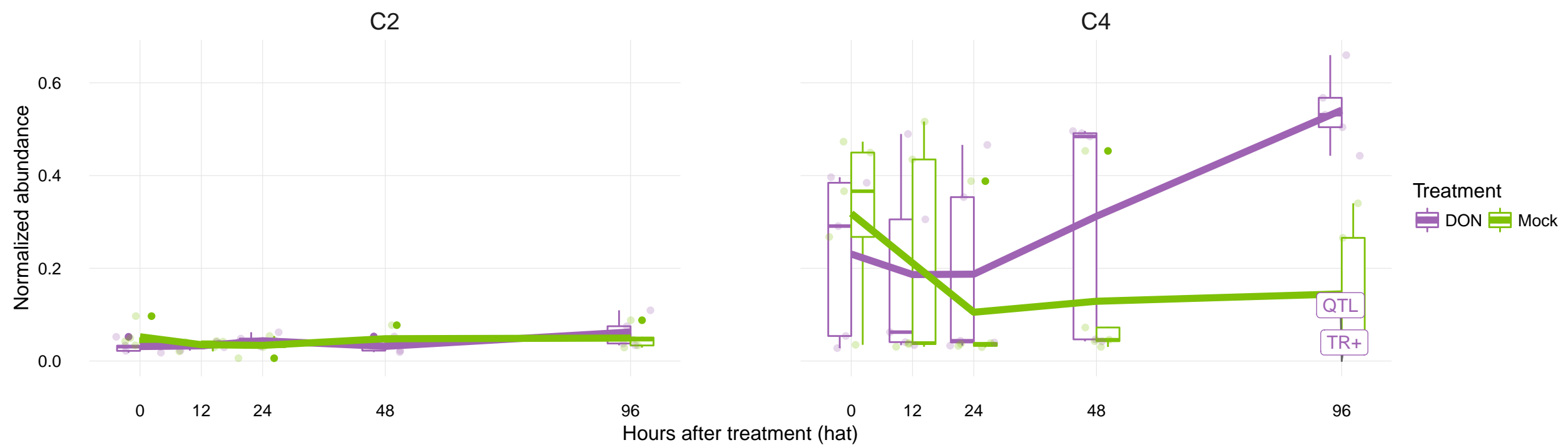


# A.62

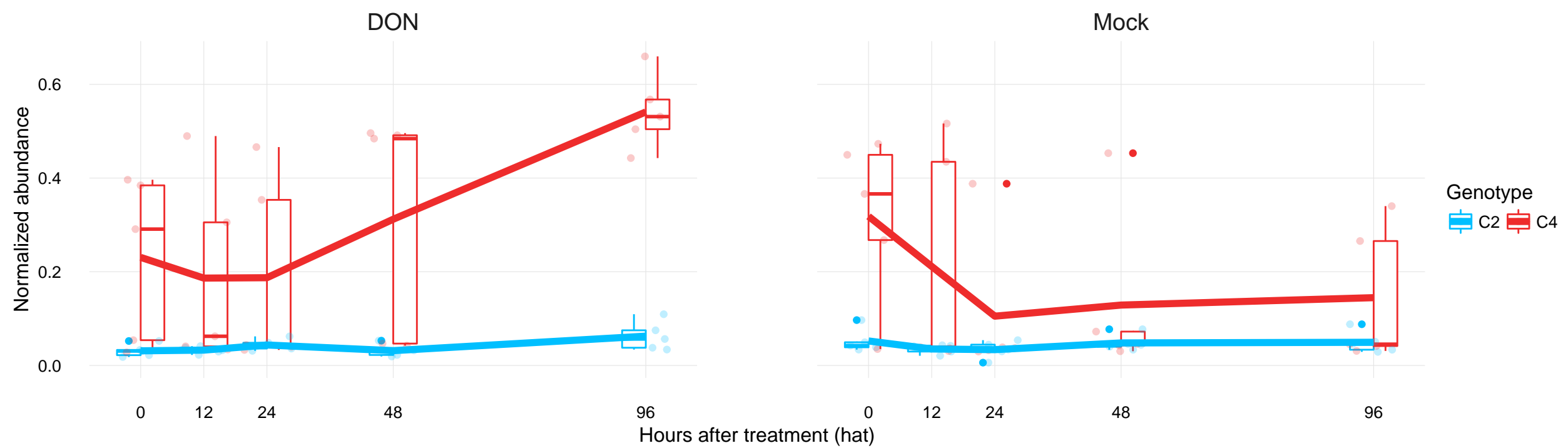
Annotated as Putative phenylacetic acid derivative  
(8 database hits)

MZ	369.1182
RT	12.97 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 2
Cn total / Phe	17 / 8

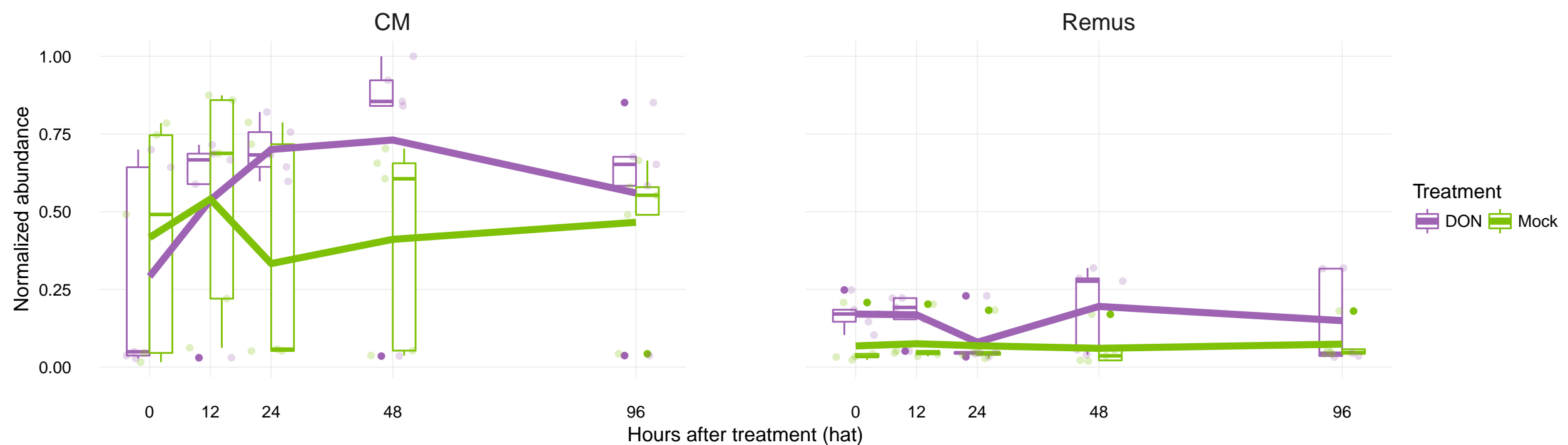
## C2, C4; different treatments



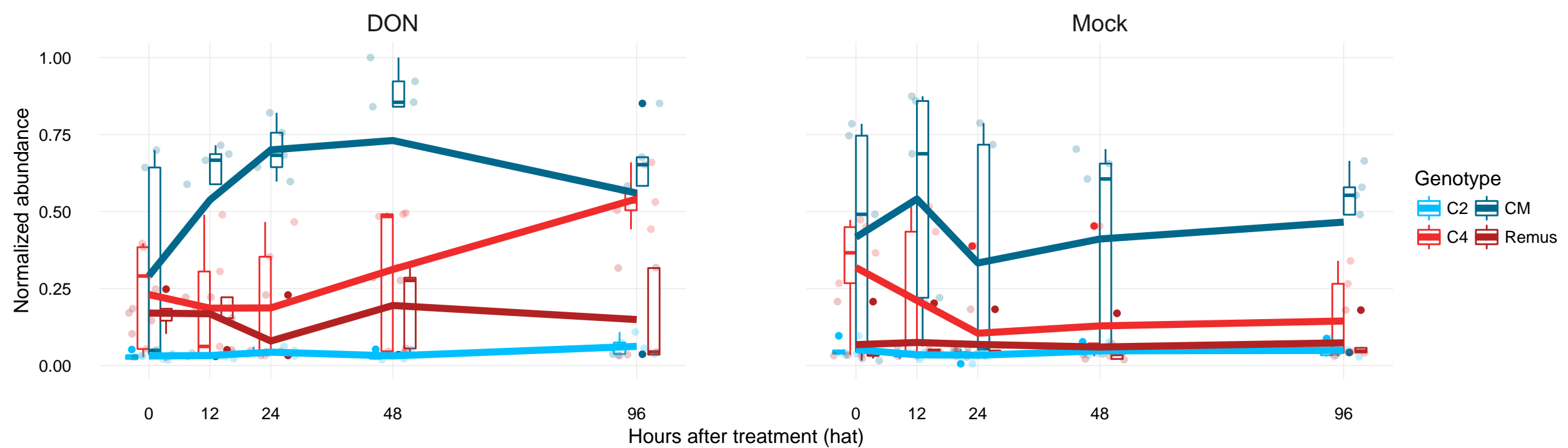
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

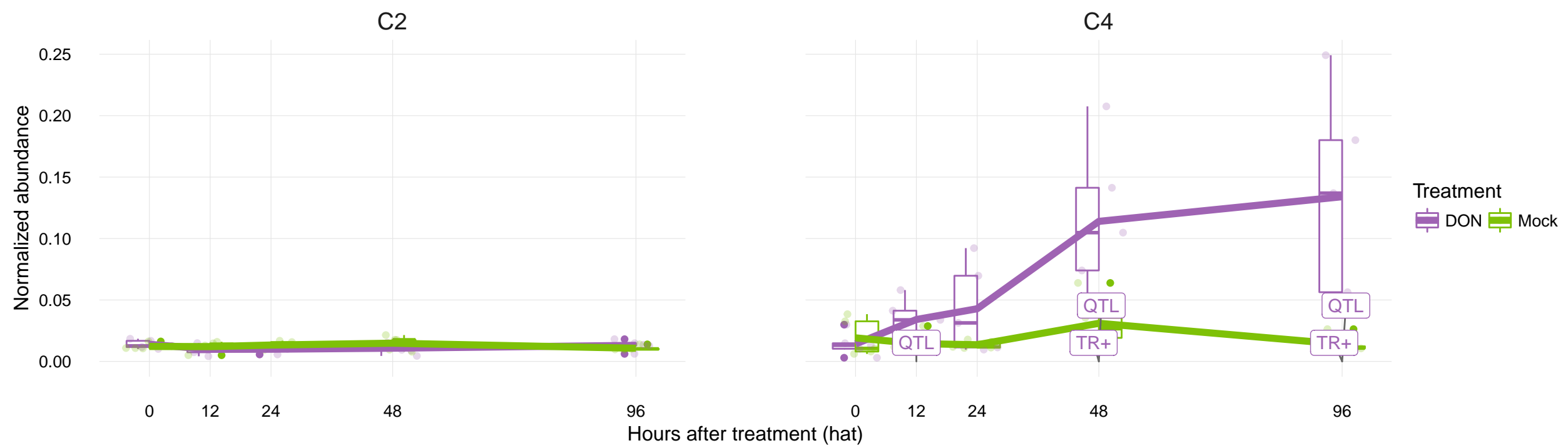


# A.104

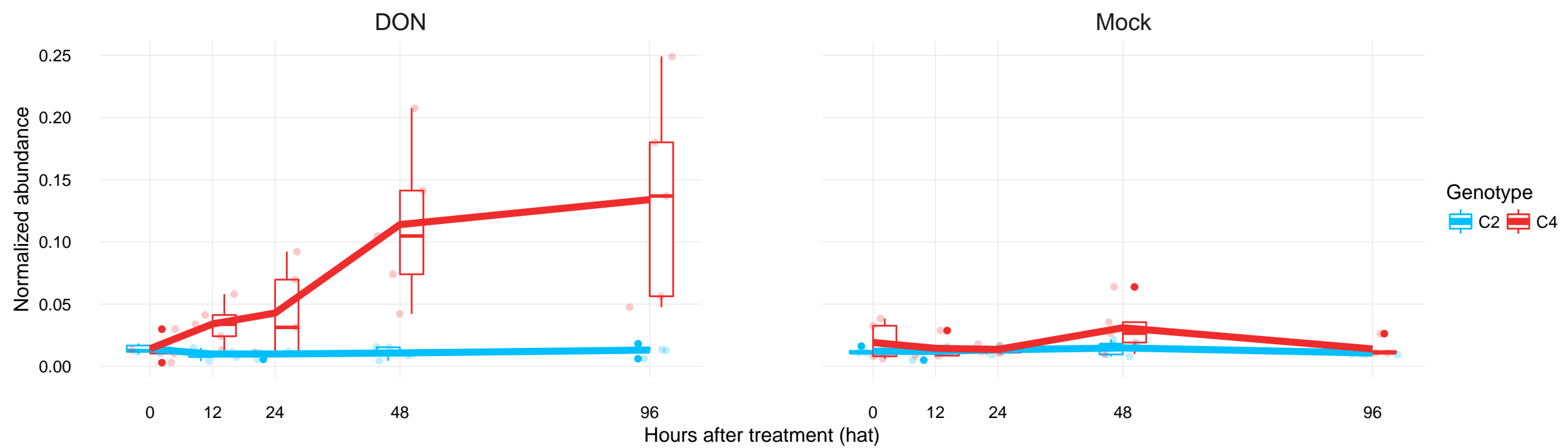
Annotated as Flavonoid (diGlcF)  
(3 database hits)

MZ	565.1915
RT	17.01 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 2
Cn total / Phe	27 / 9

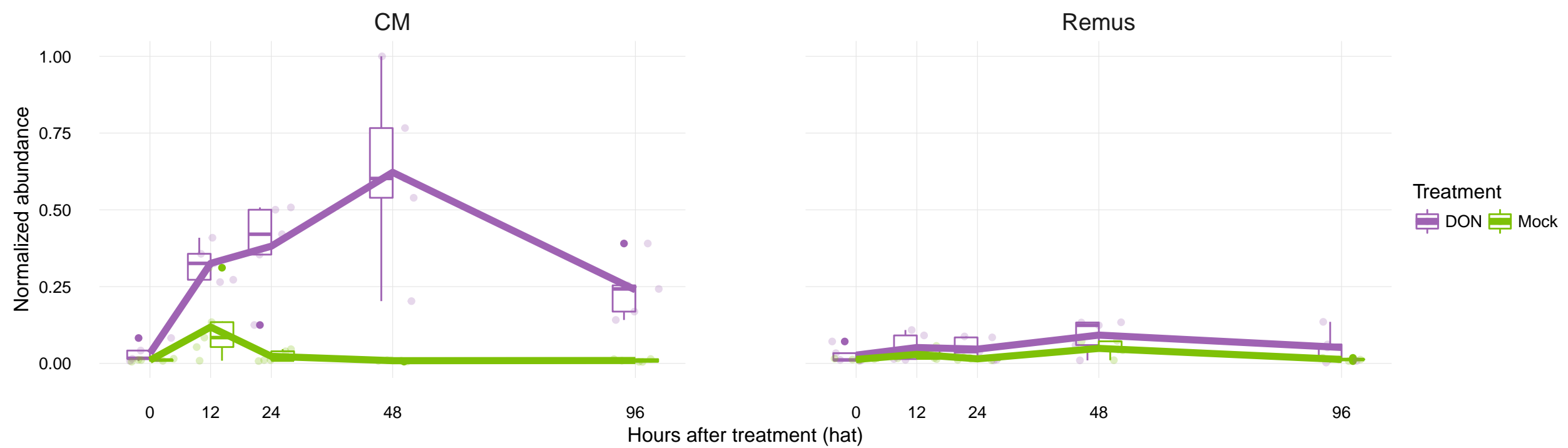
## C2, C4; different treatments



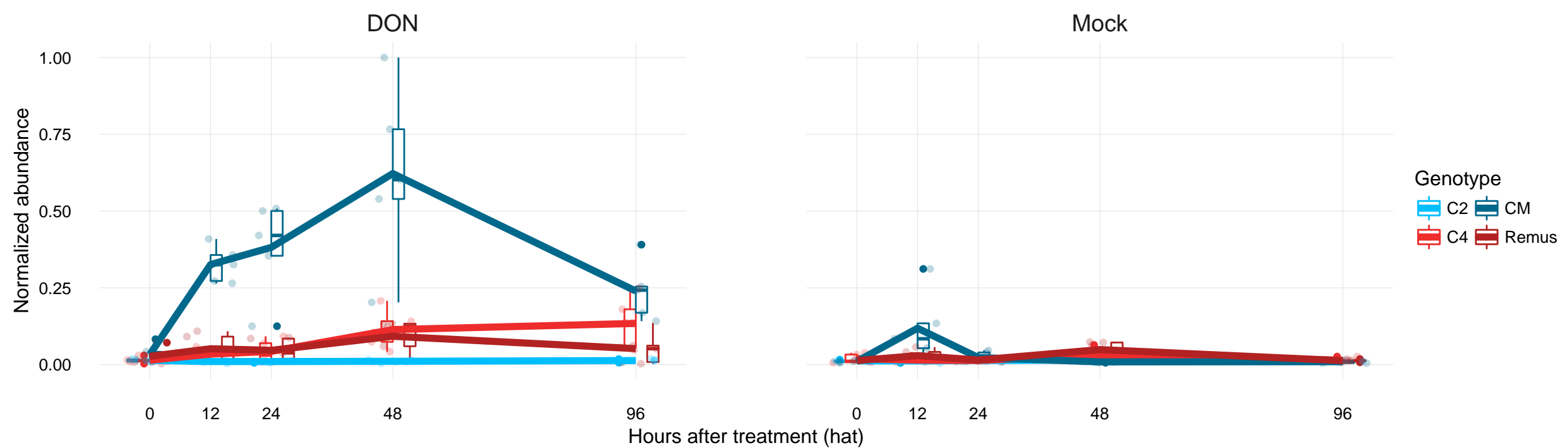
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

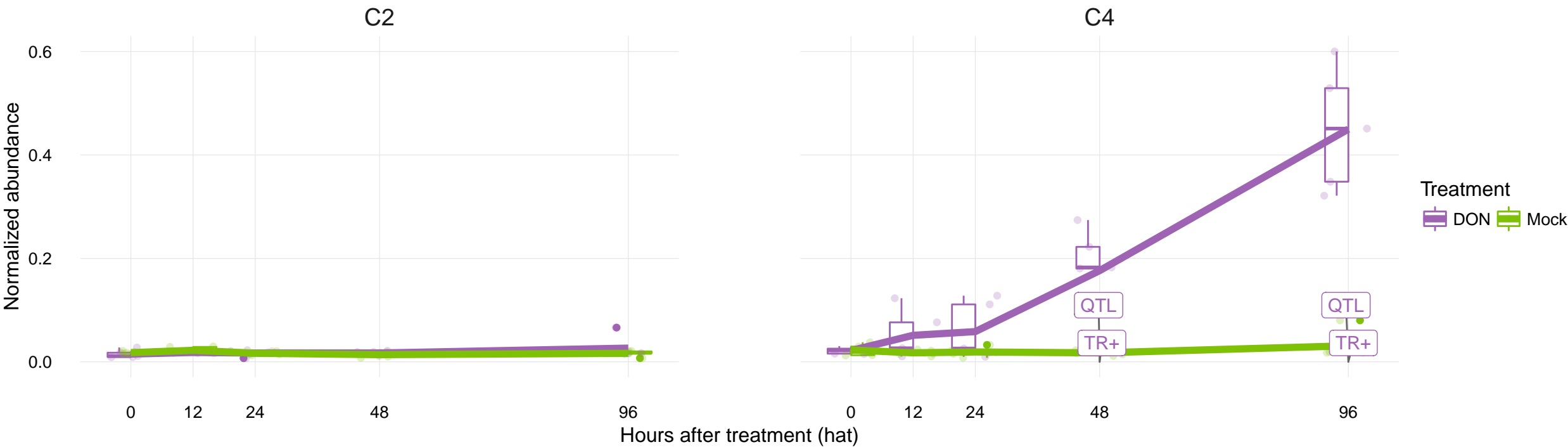


# A.36

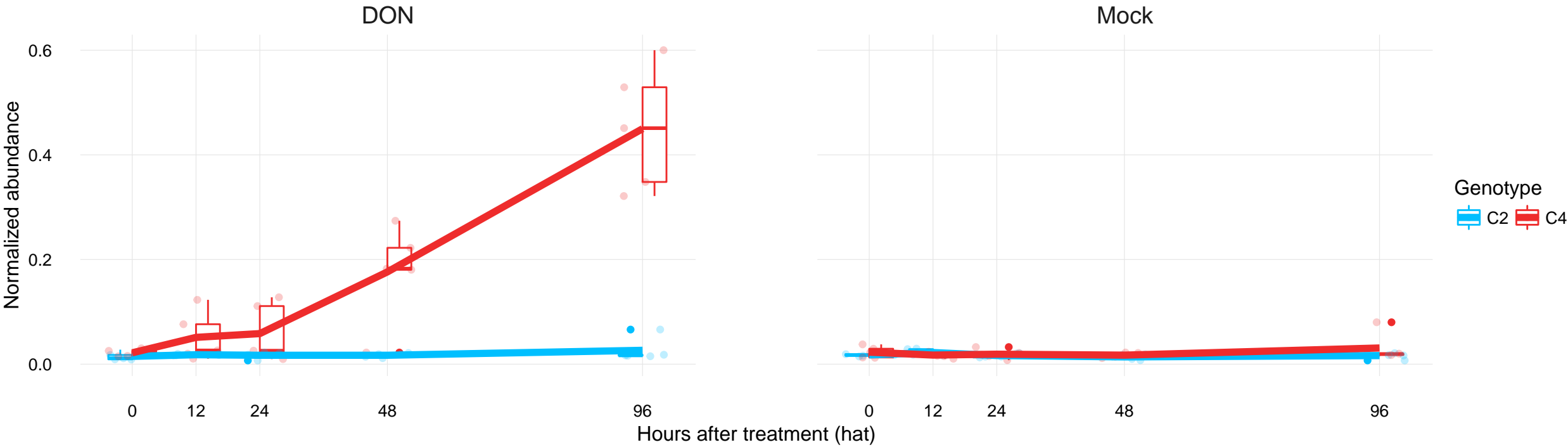
Annotated as HCA derivative  
(1 database hit)

MZ	357.1183
RT	10.27 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 2
Cn total / Phe	16 / 9

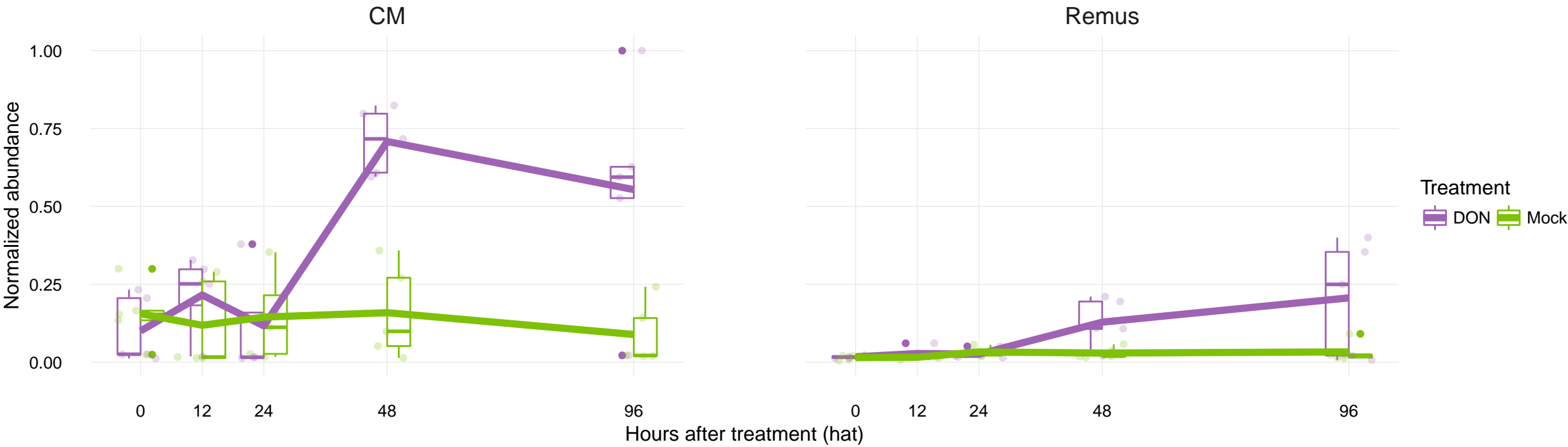
## C2, C4; different treatments



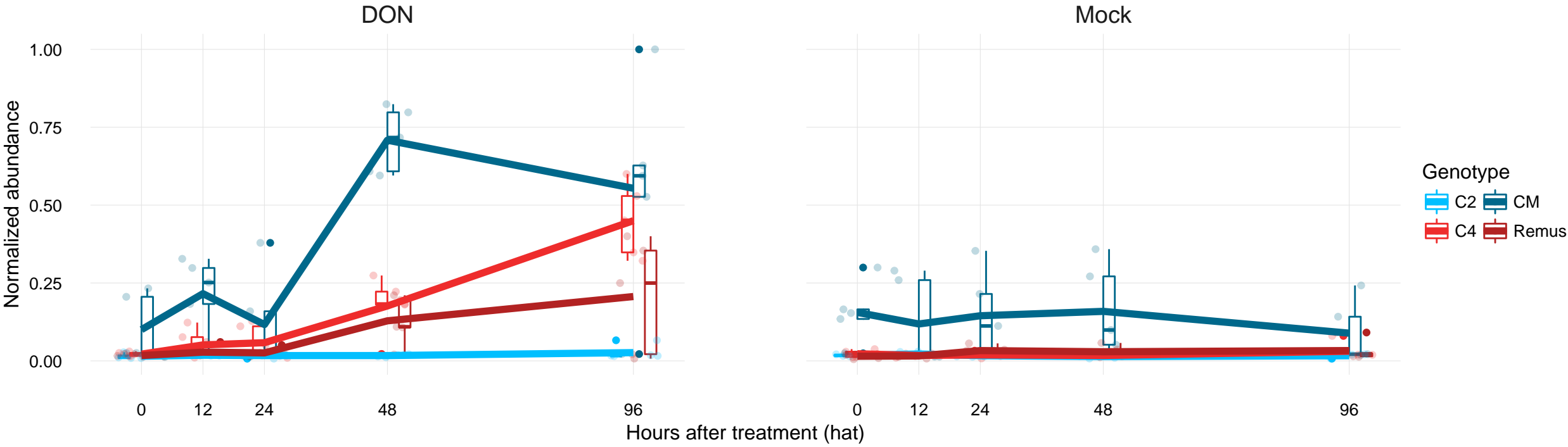
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



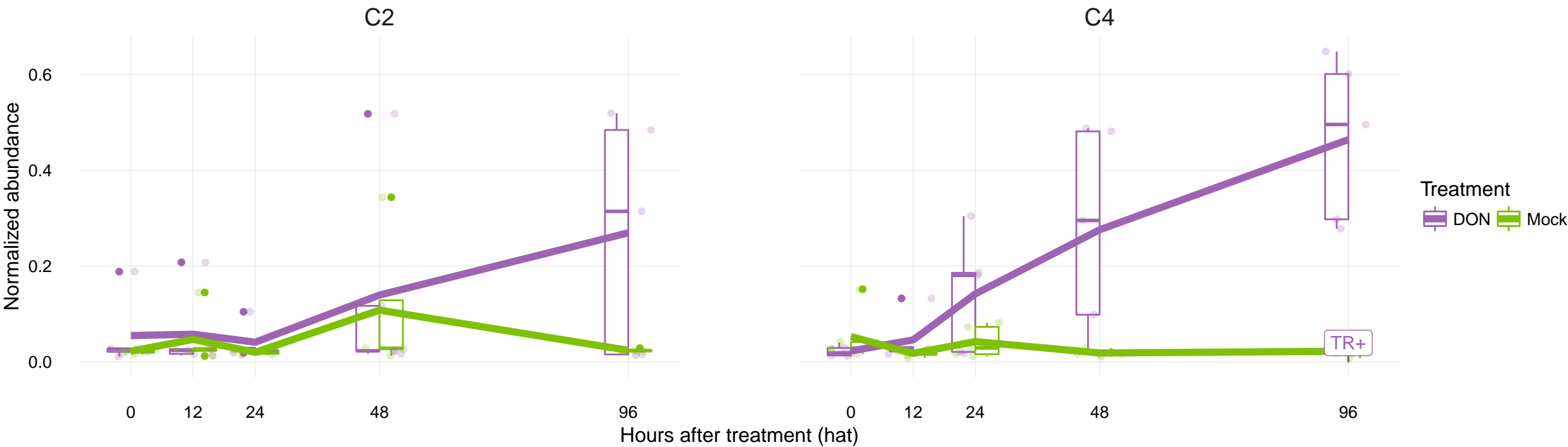


# A.31

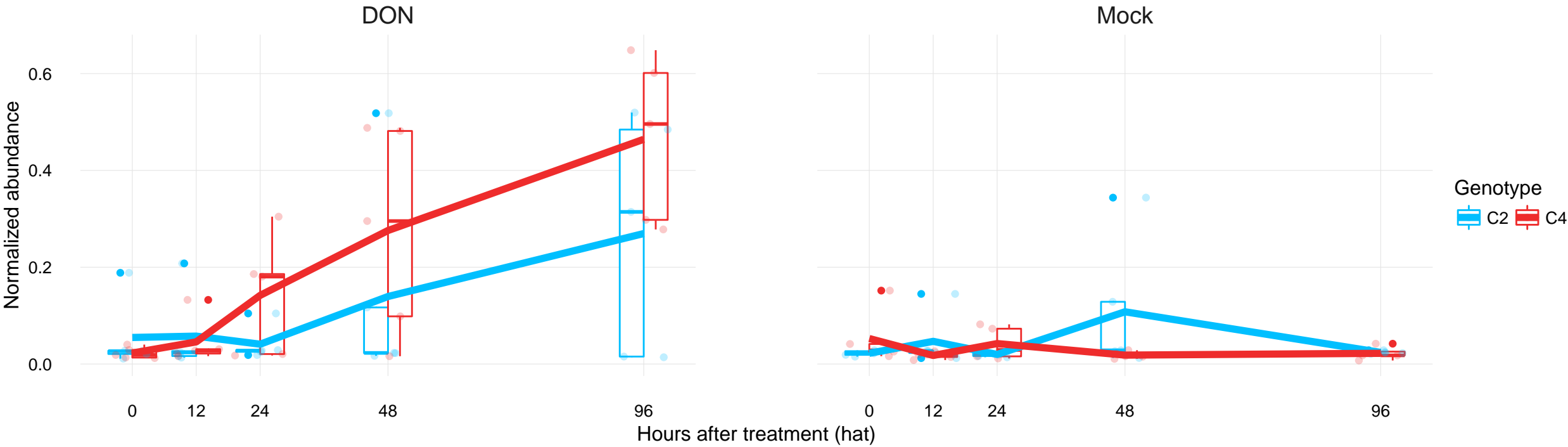
Annotated as HCA derivative  
(3 database hits)

MZ	165.0549
RT	9.6 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 2
Cn total / Phe	9 / 9

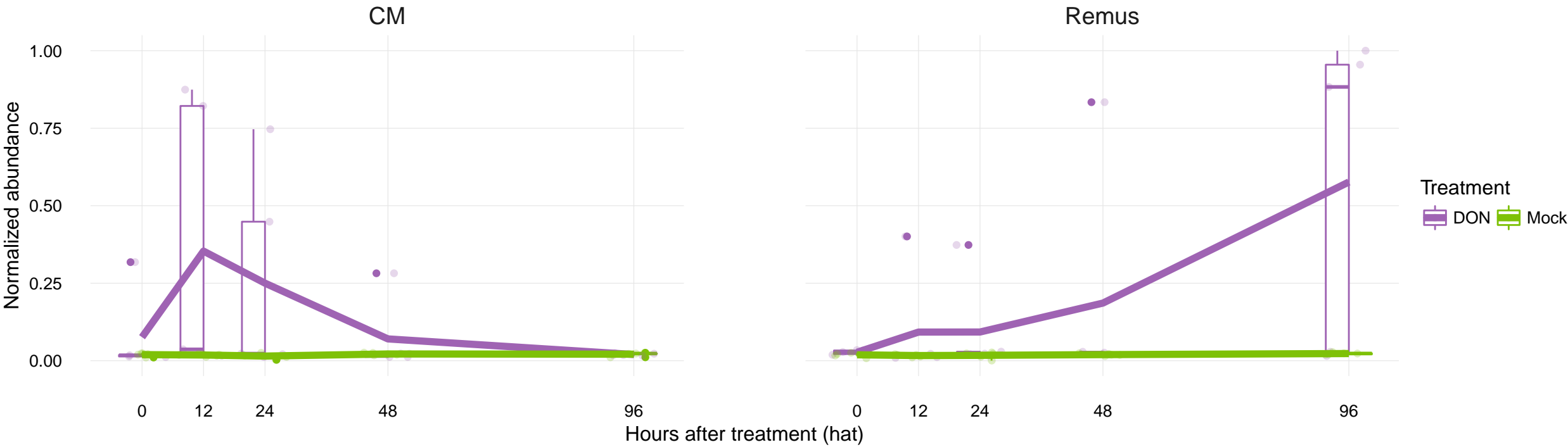
## C2, C4; different treatments



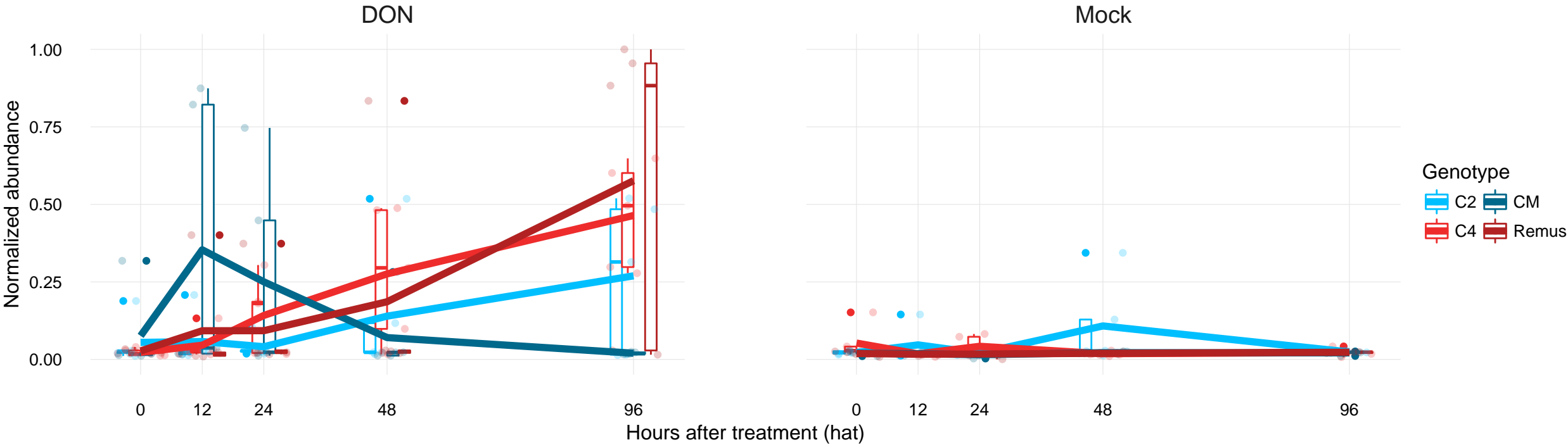
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

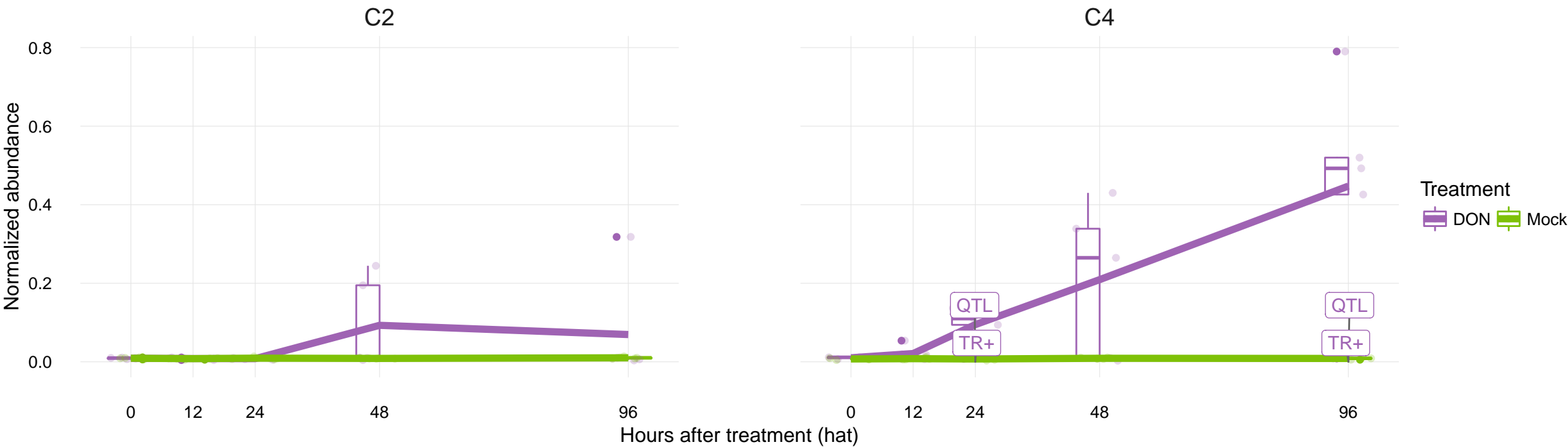


# A.13

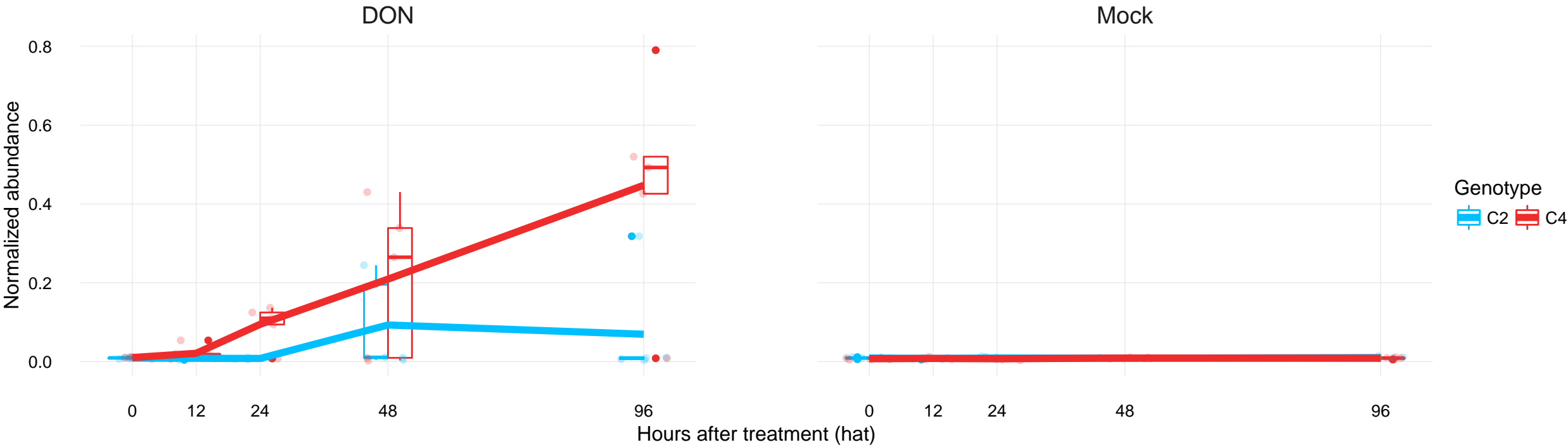
Annotated as HCA derivative  
(1 database hit)

MZ	531.171
RT	6.42 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 2
Cn total / Phe	23 / 9

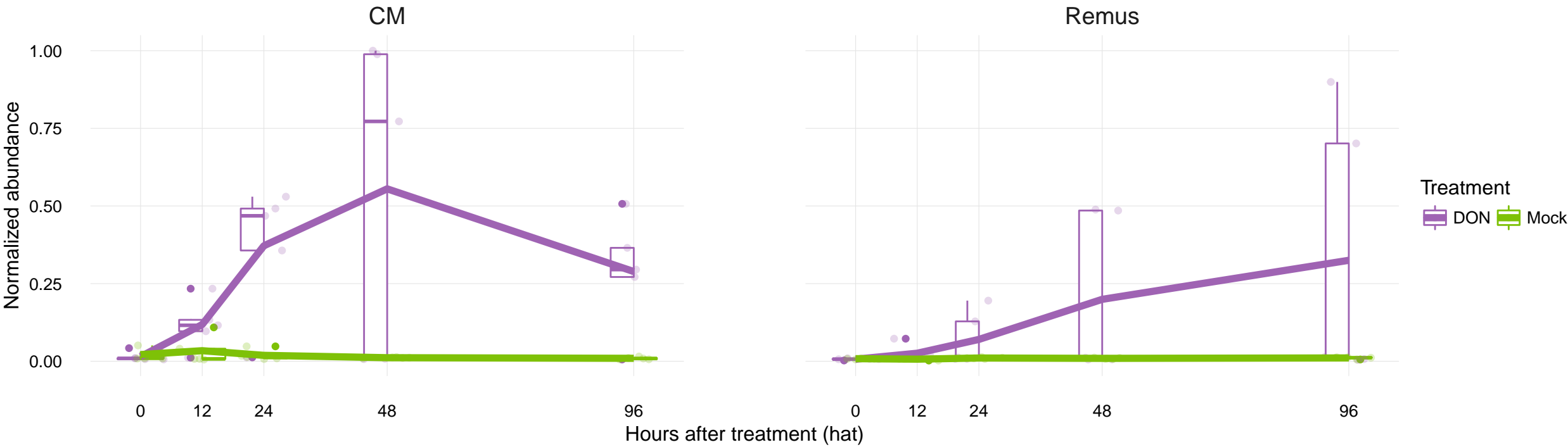
## C2, C4; different treatments



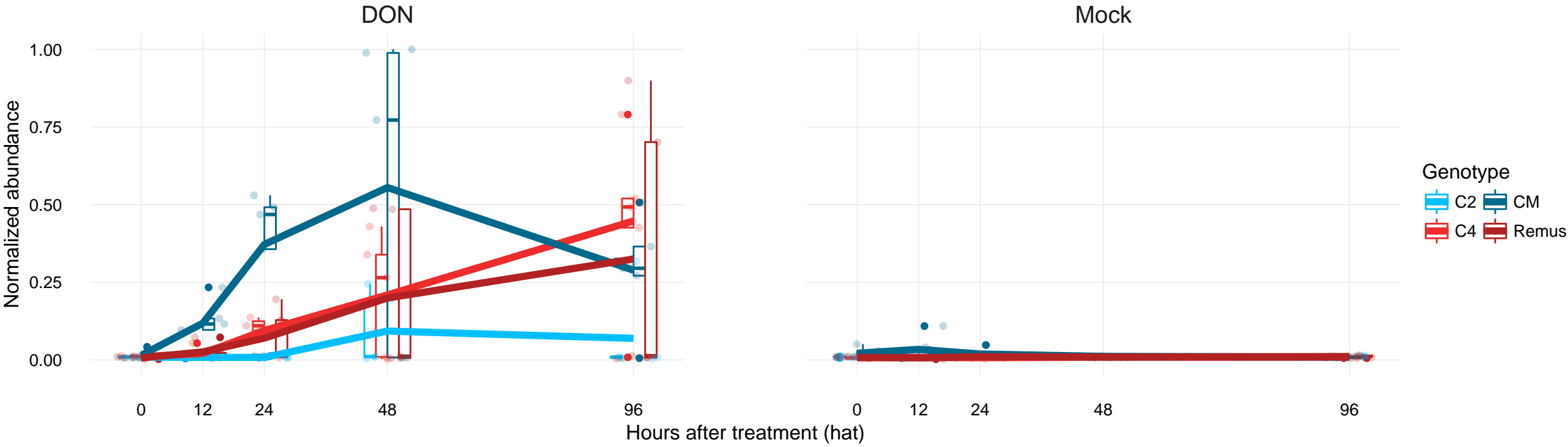
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

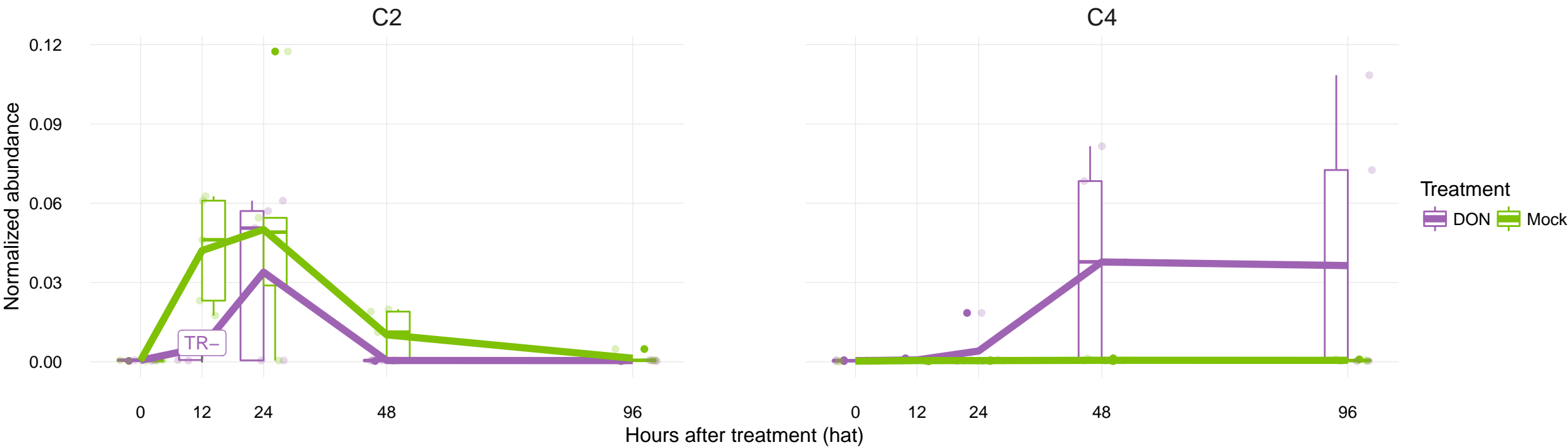


# A.14

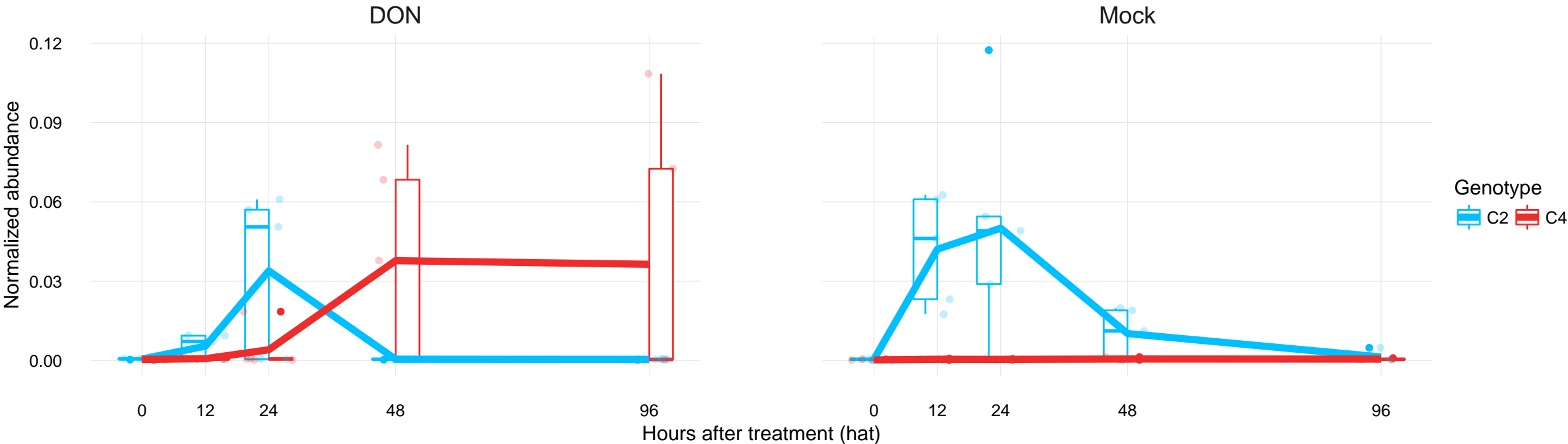
Annotated as HCAA  
(2 database hits)

MZ	251.1393
RT	6.45 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	13 / 9

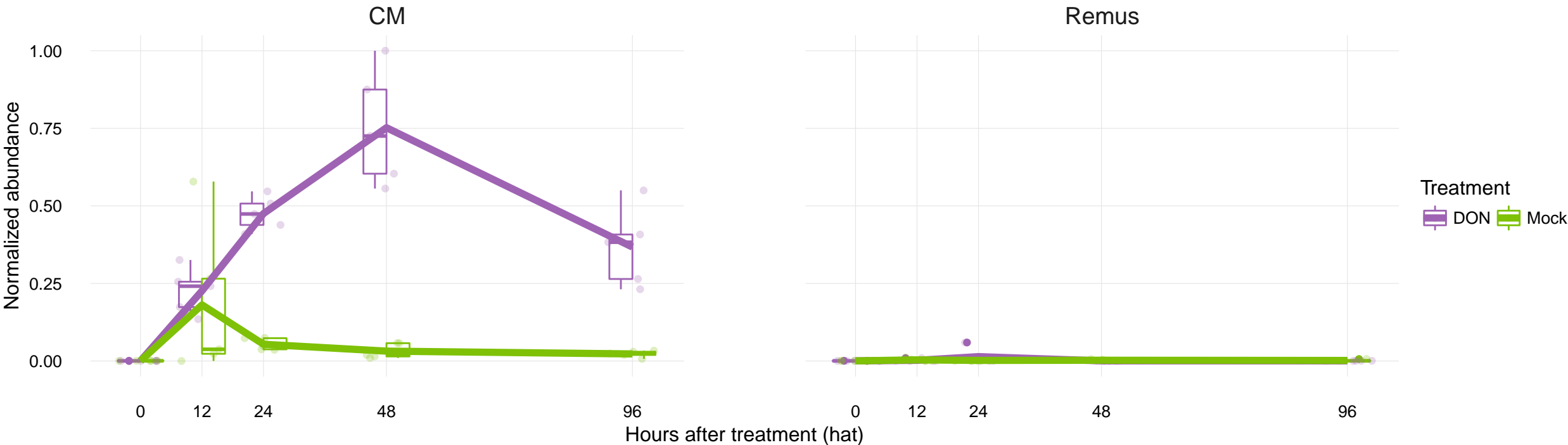
## C2, C4; different treatments



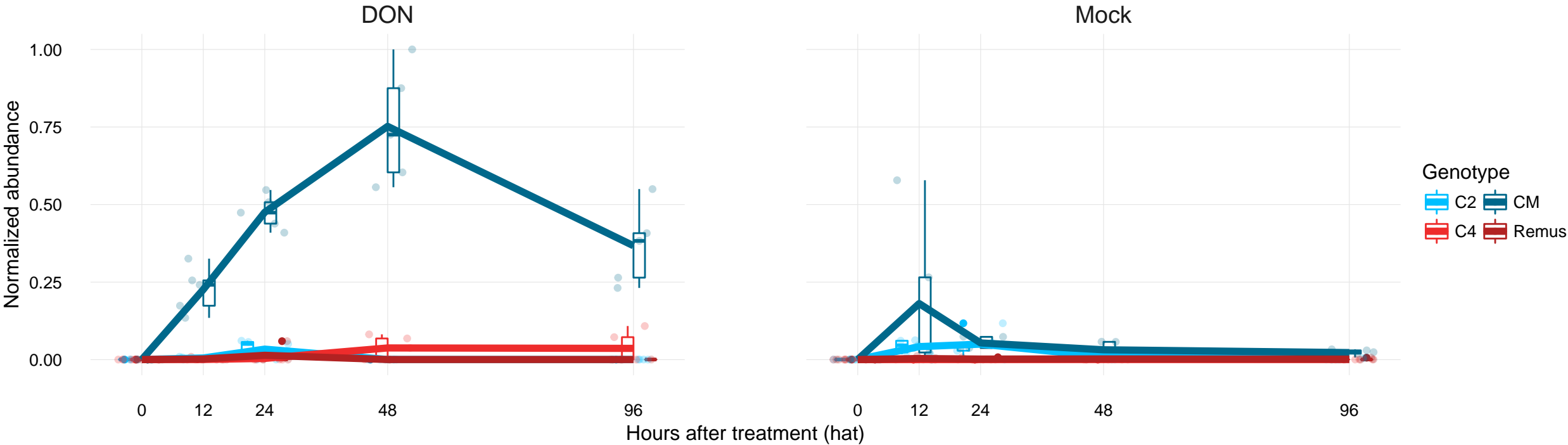
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

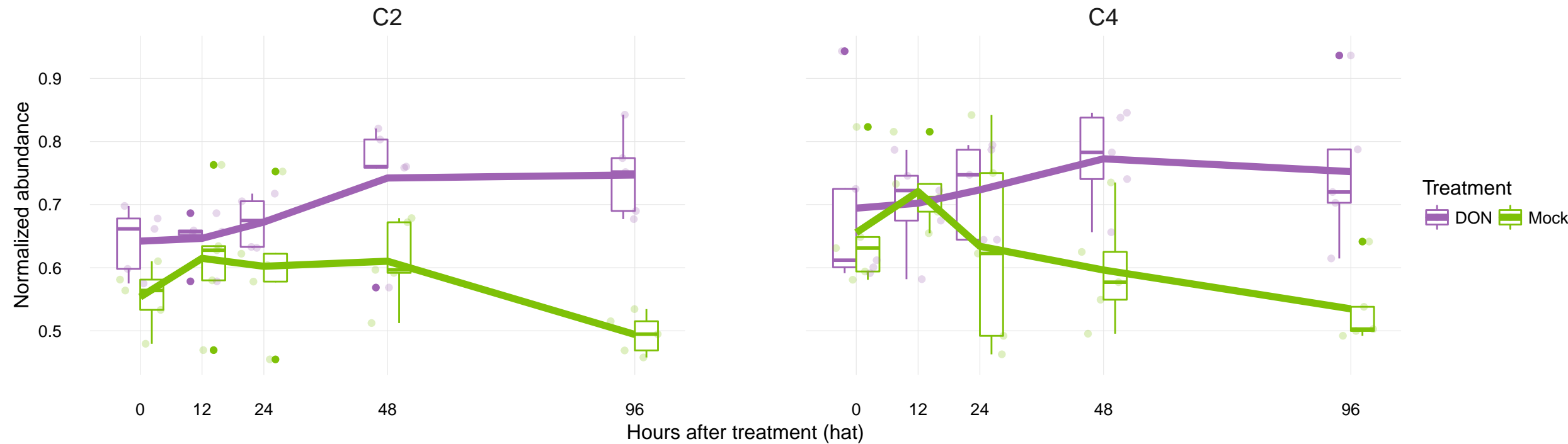


# Sinapaldehyde

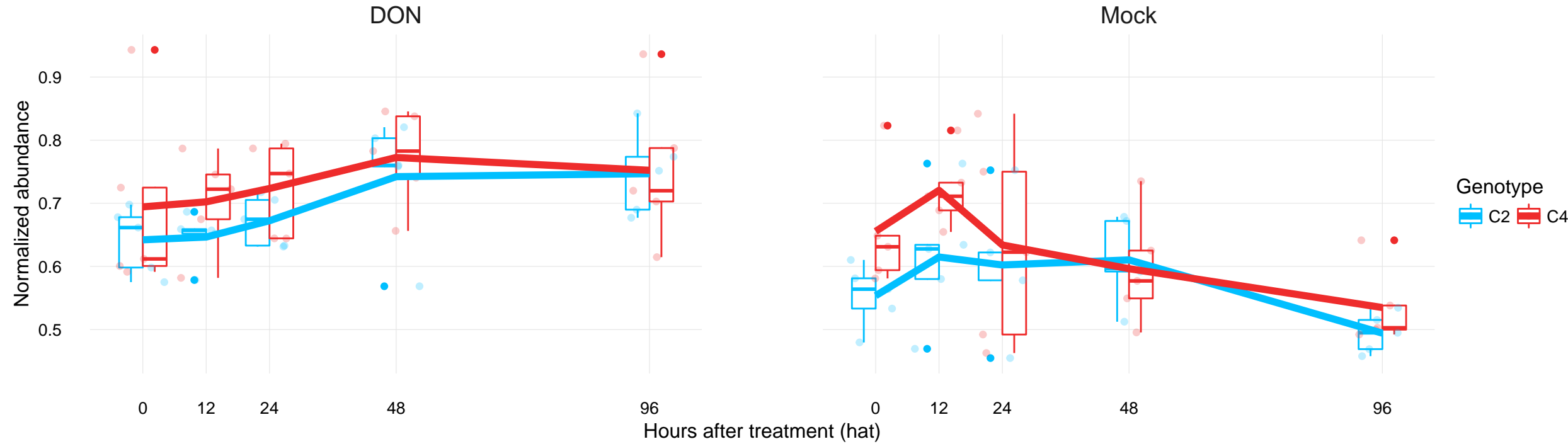
Identified metabolite (level 1)

MZ	209.0809
RT	14.46 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	11 /

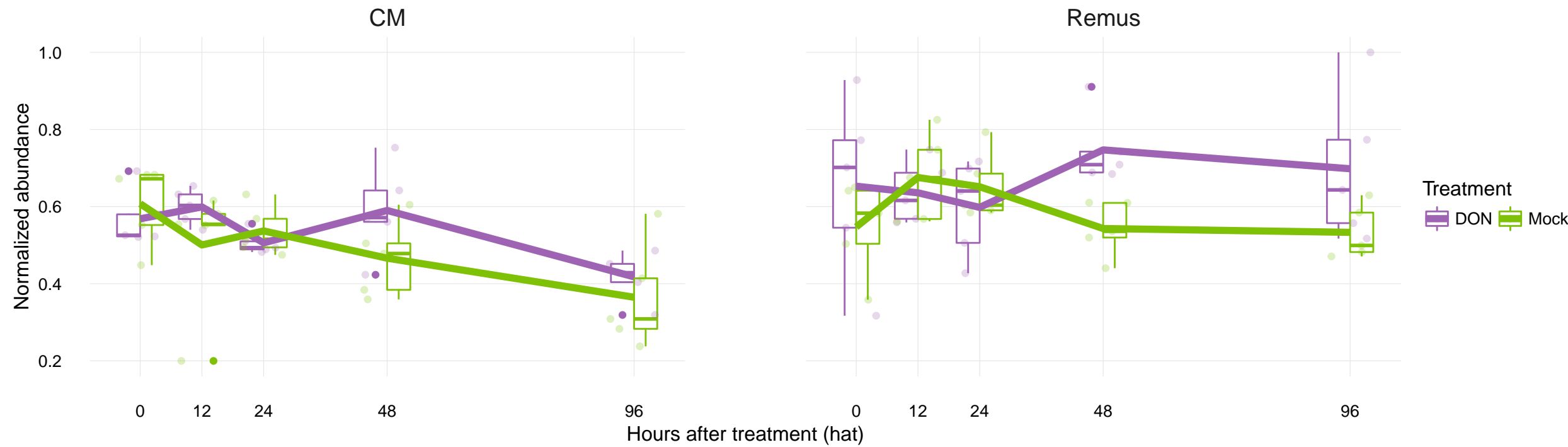
C2, C4; different treatments



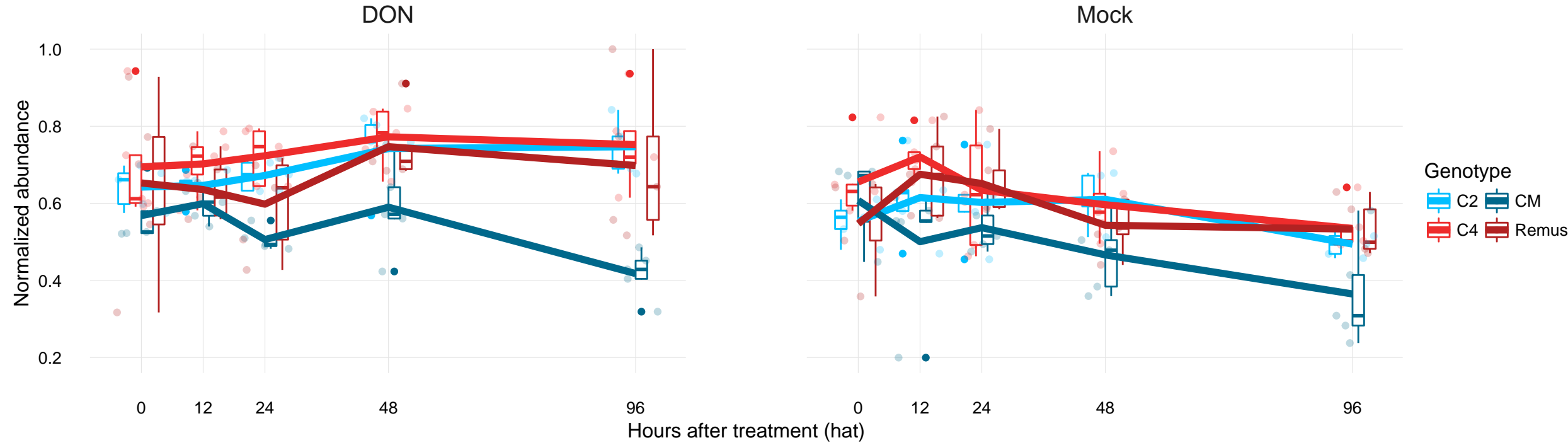
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

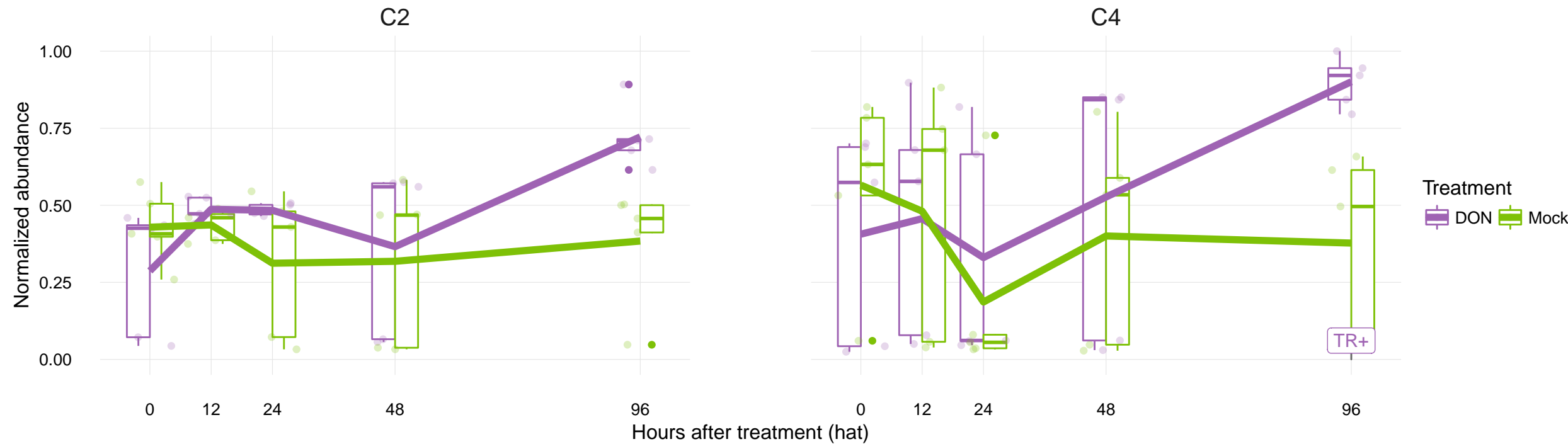


# A.64

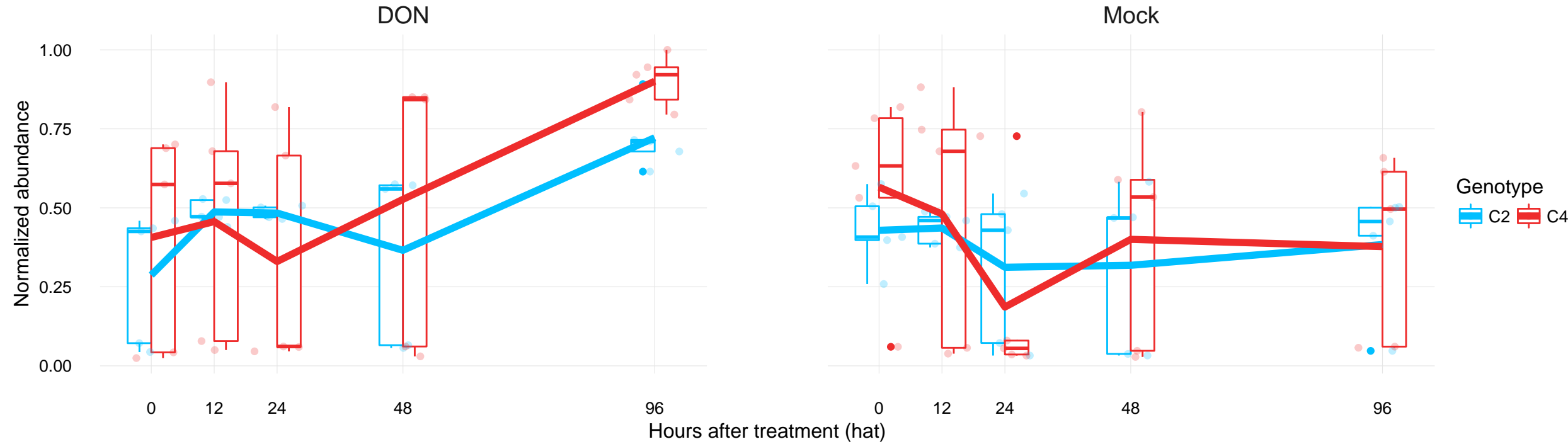
Annotated as Putative phenylacetic acid derivative  
(1 database hit)

MZ	409.1107
RT	12.98 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	17 / 8

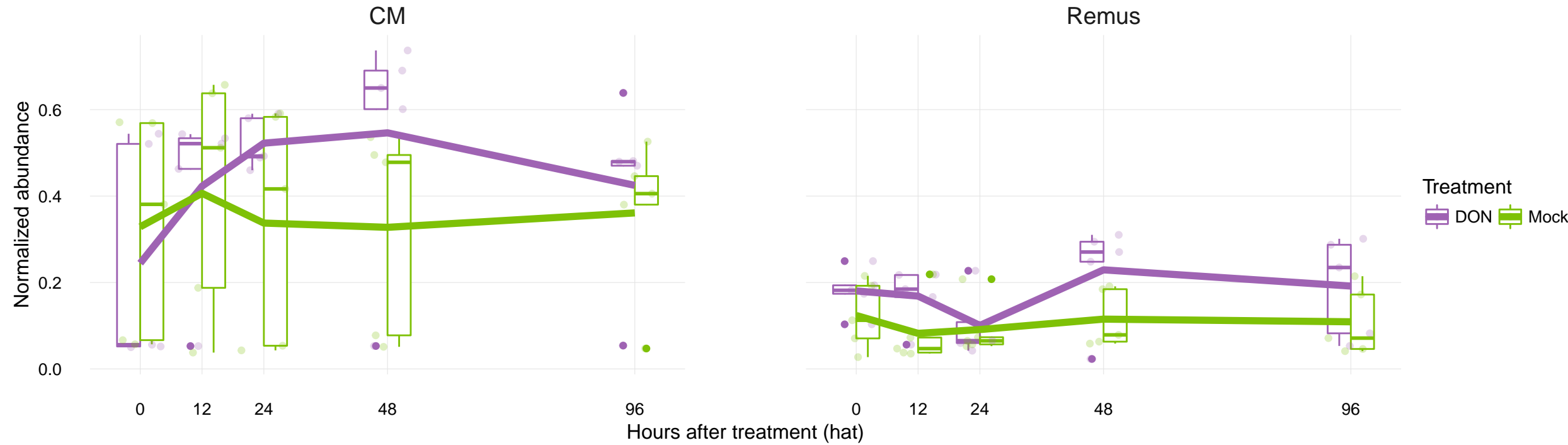
## C2, C4; different treatments



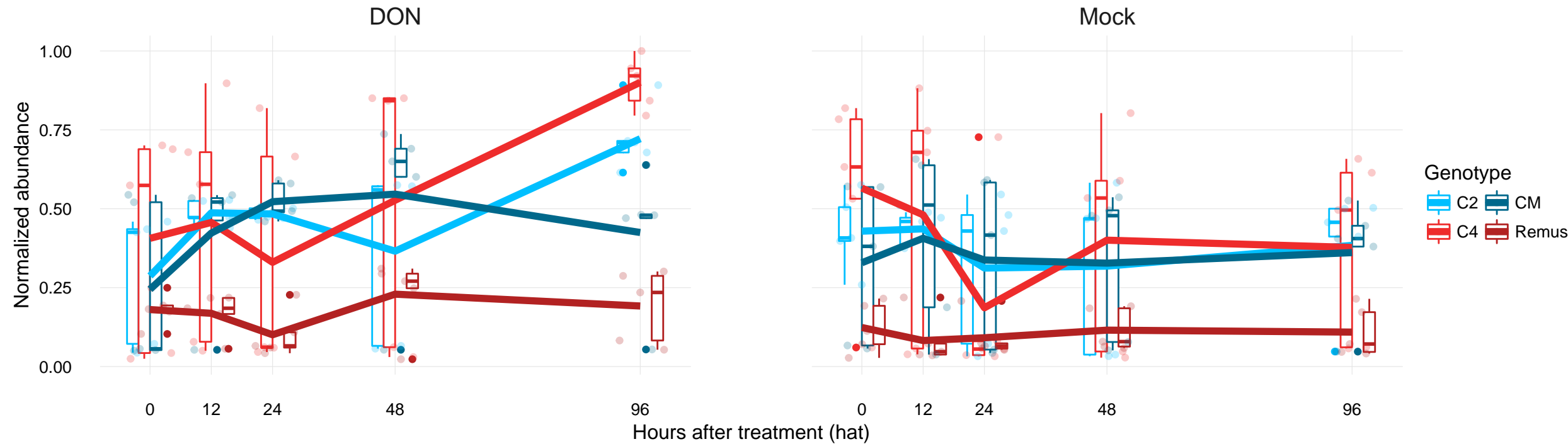
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

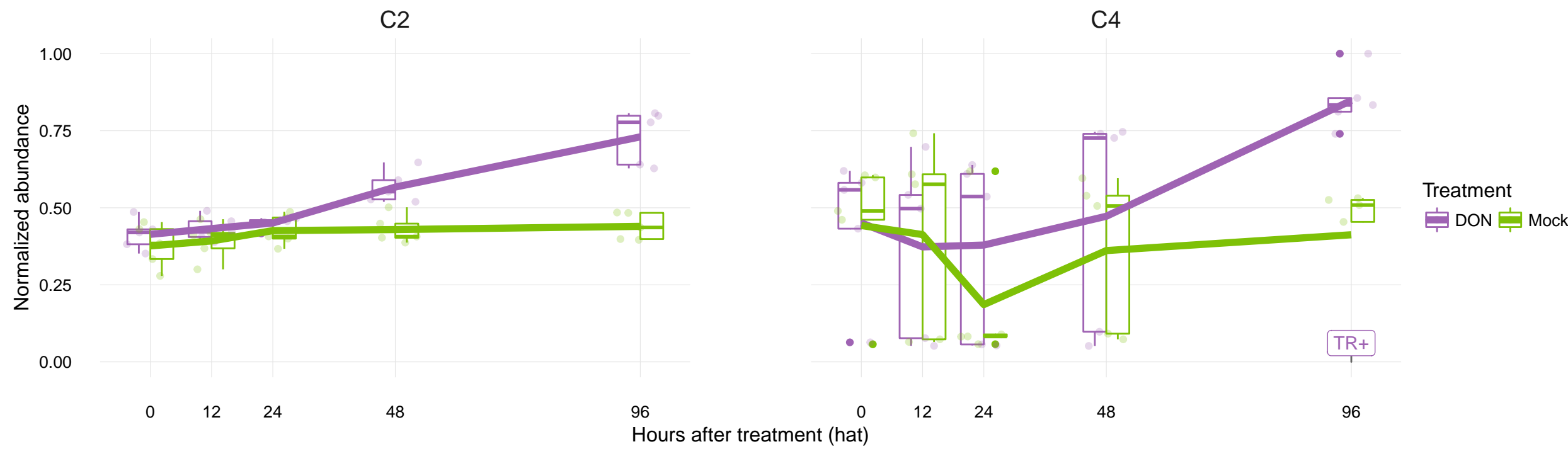


# Sinapyl alcohol

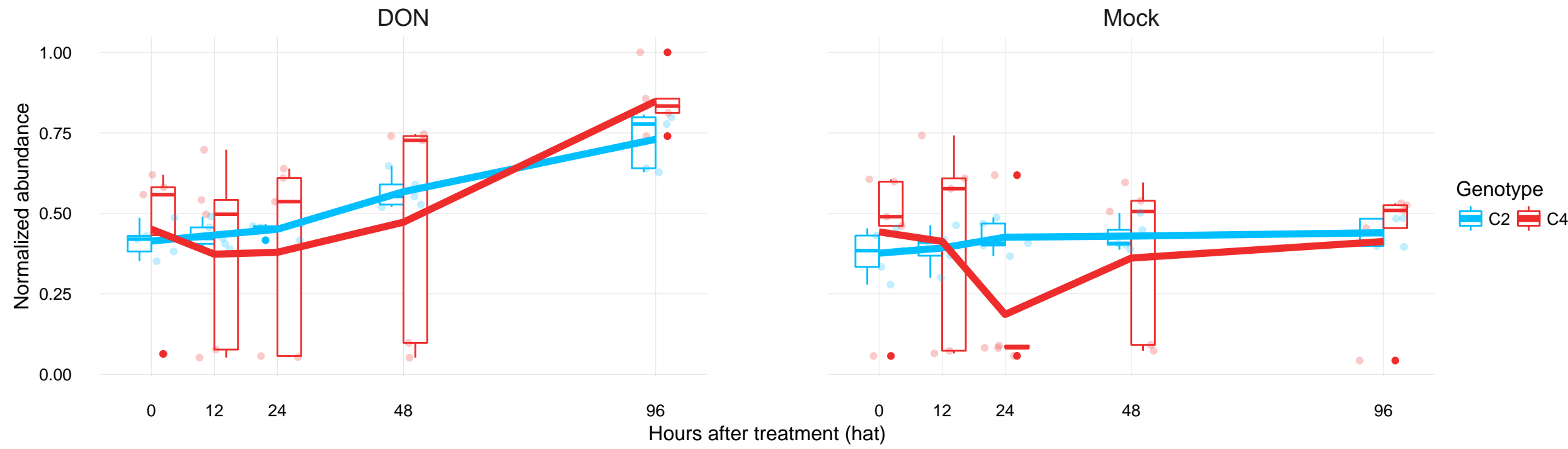
Identified metabolite (level 1)

MZ	211.0966
RT	12.97 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	11 /

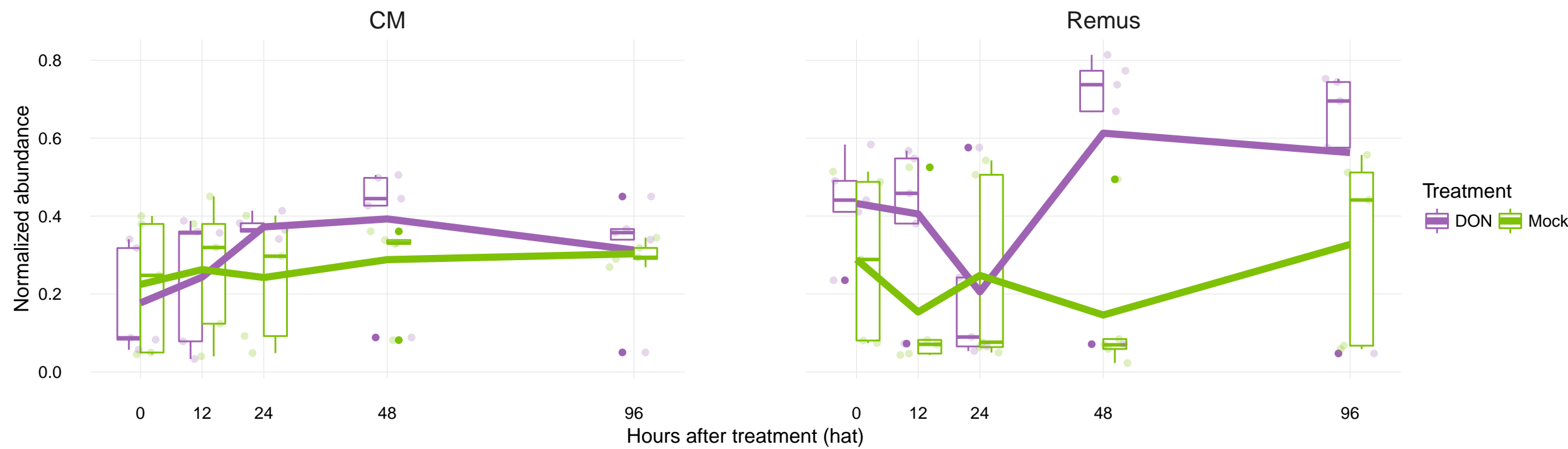
C2, C4; different treatments



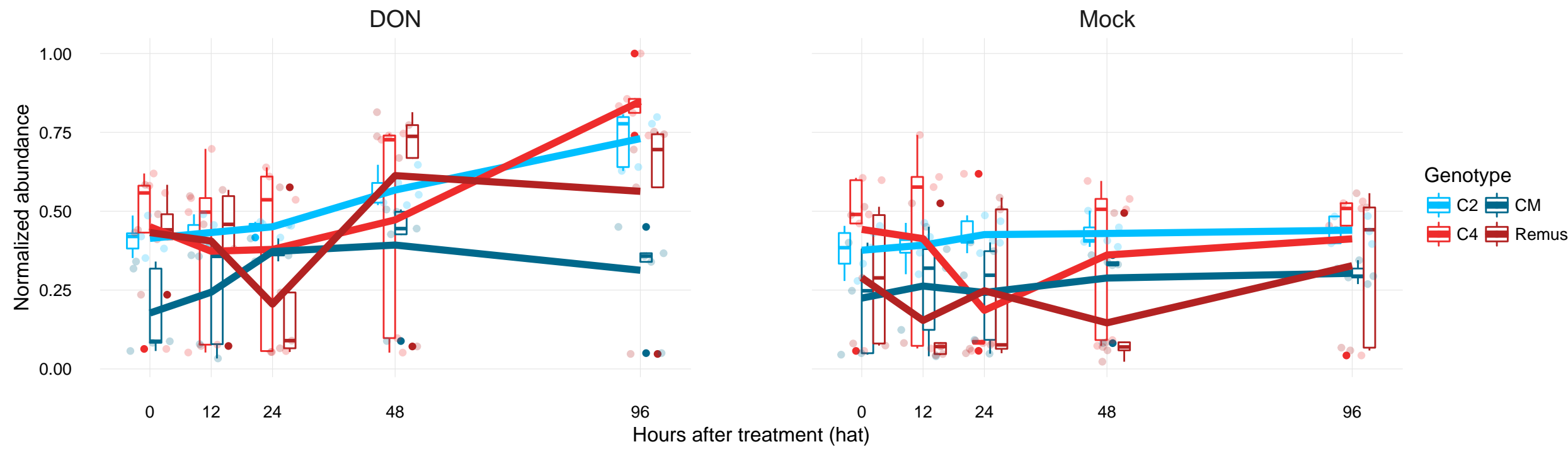
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes



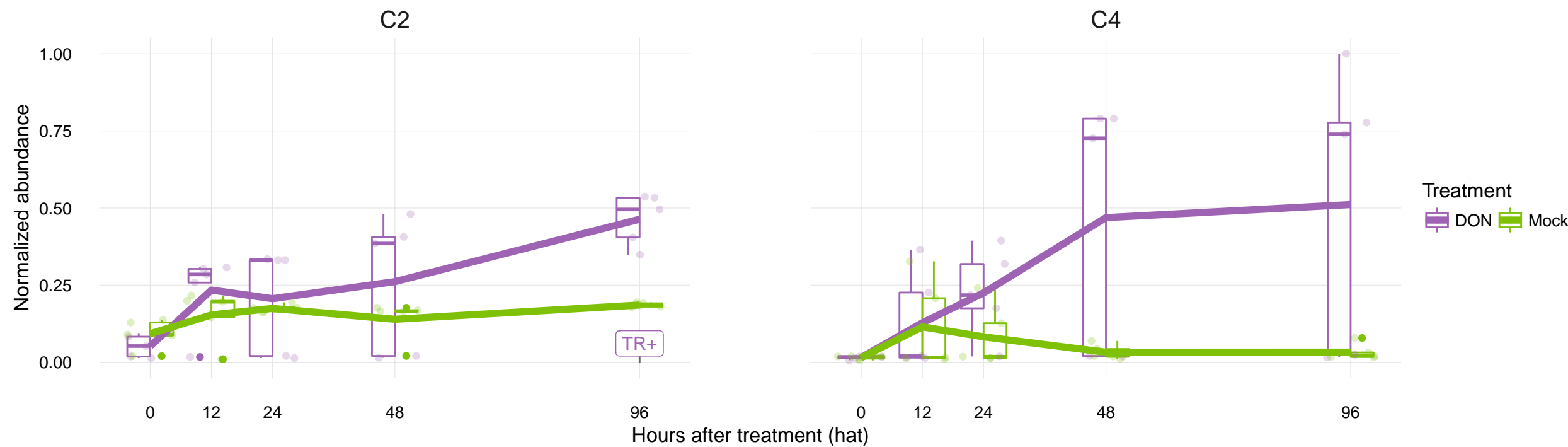


# Phenylalanine

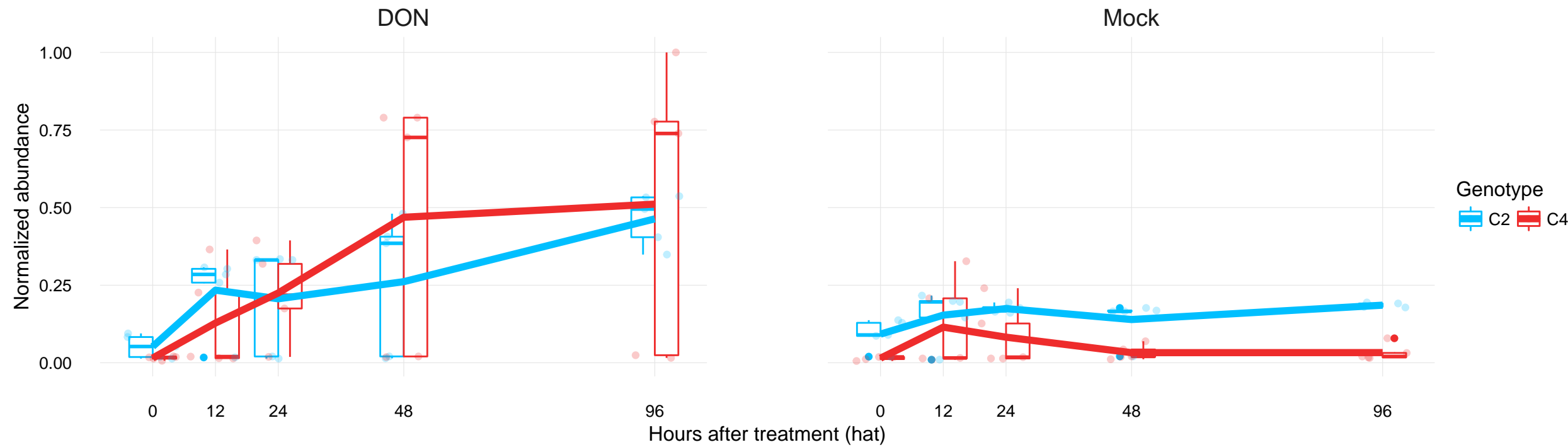
Identified metabolite (level 1)

MZ	166.0864
RT	4.46 min
Normalization	Not normalized
Cluster	–
Cn total / Phe	9 / 9

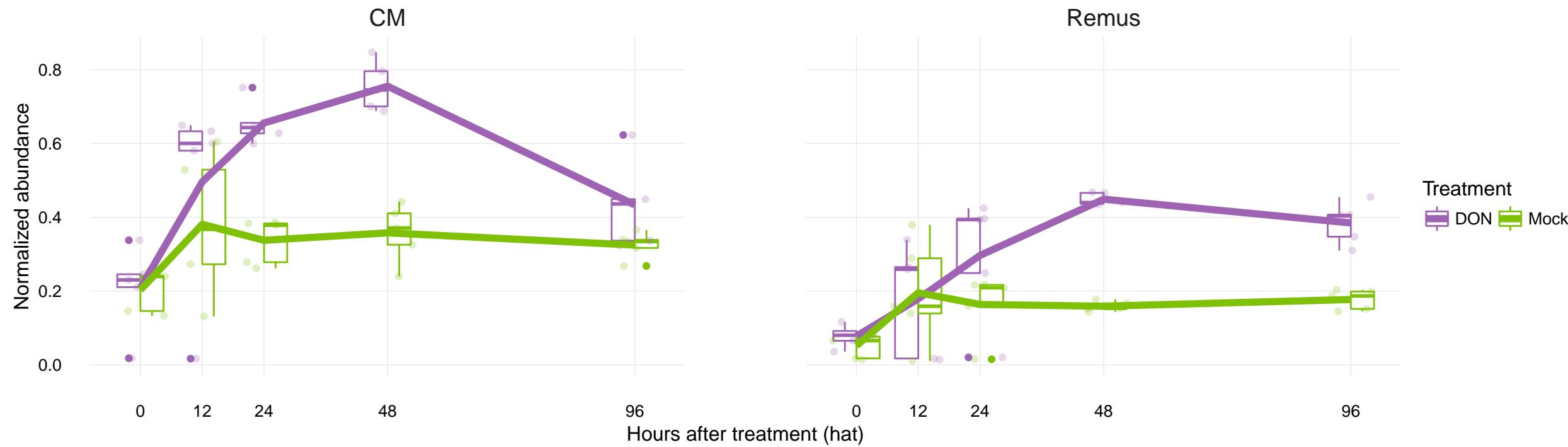
C2, C4; different treatments



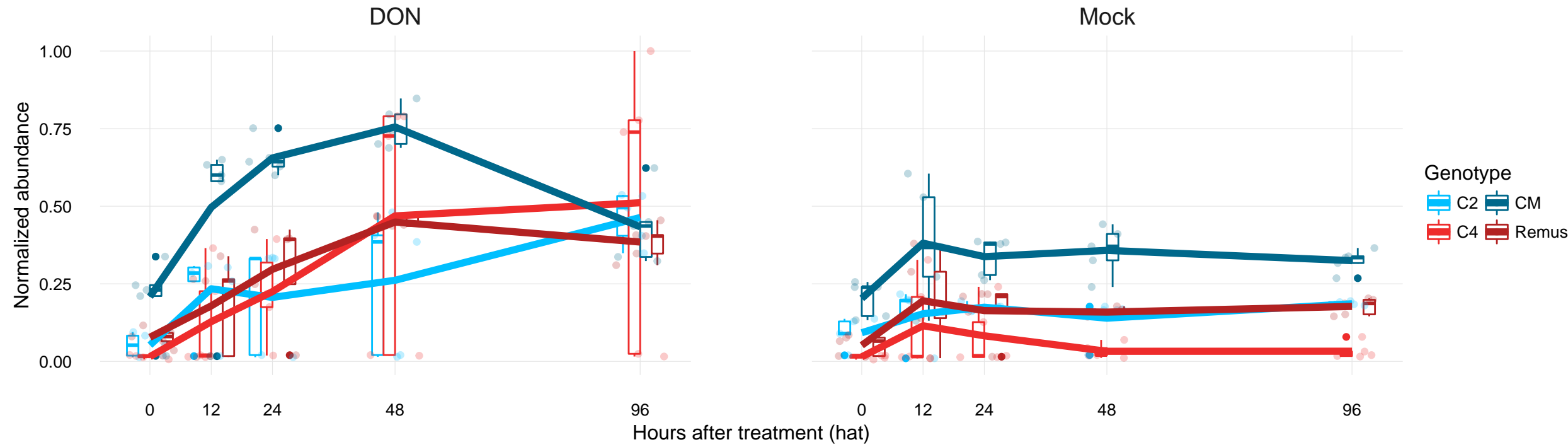
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes



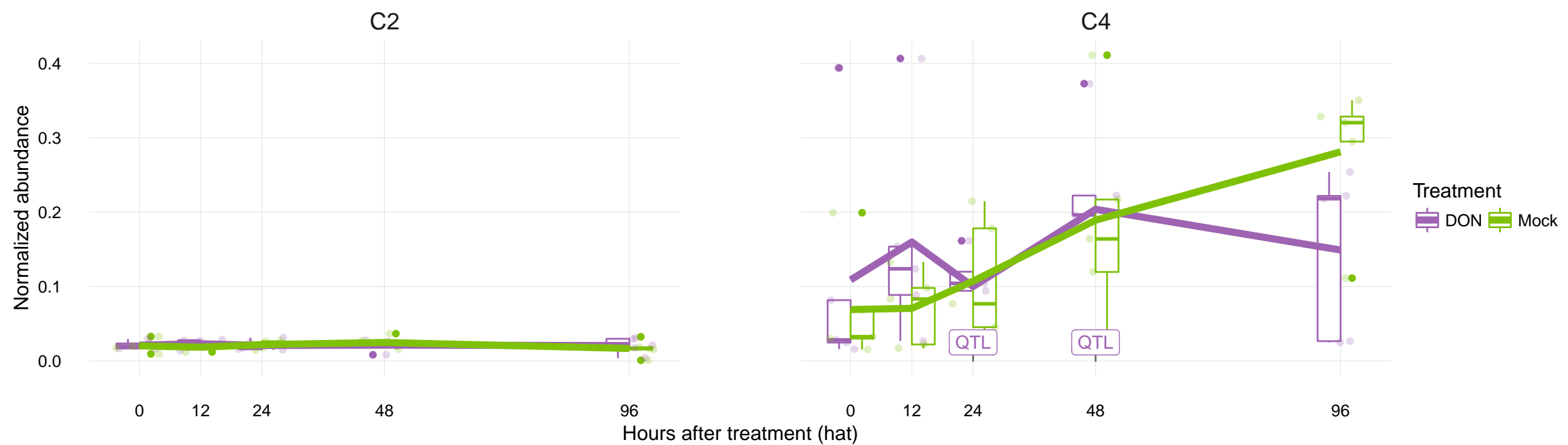


# A.76

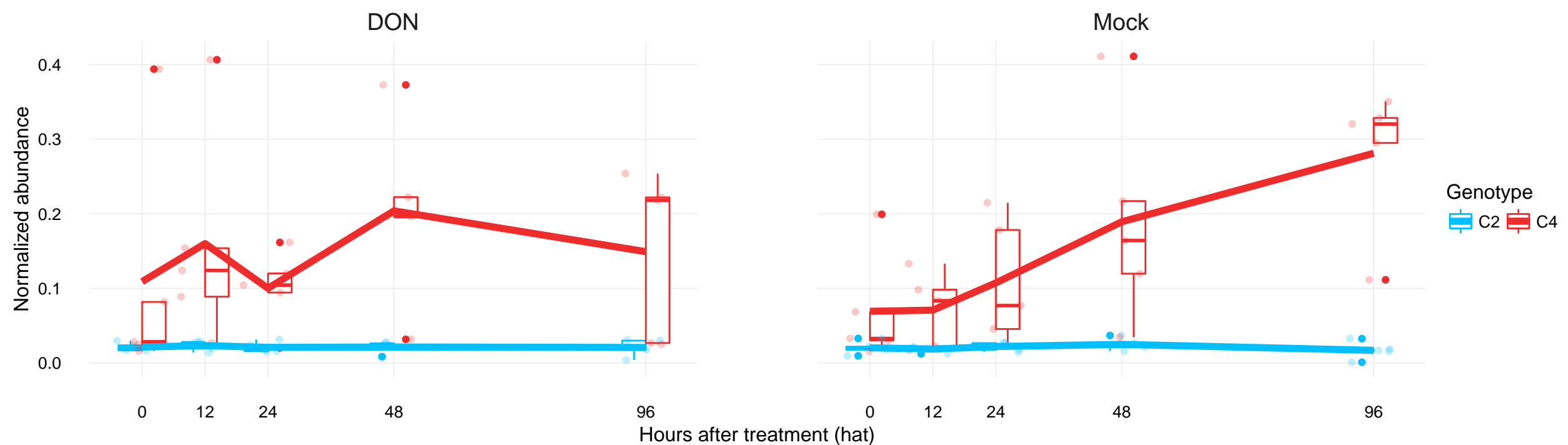
Annotated as Putative benzoic acid derivative  
(10 database hits)

MZ	374.1448
RT	14 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	16 / 7

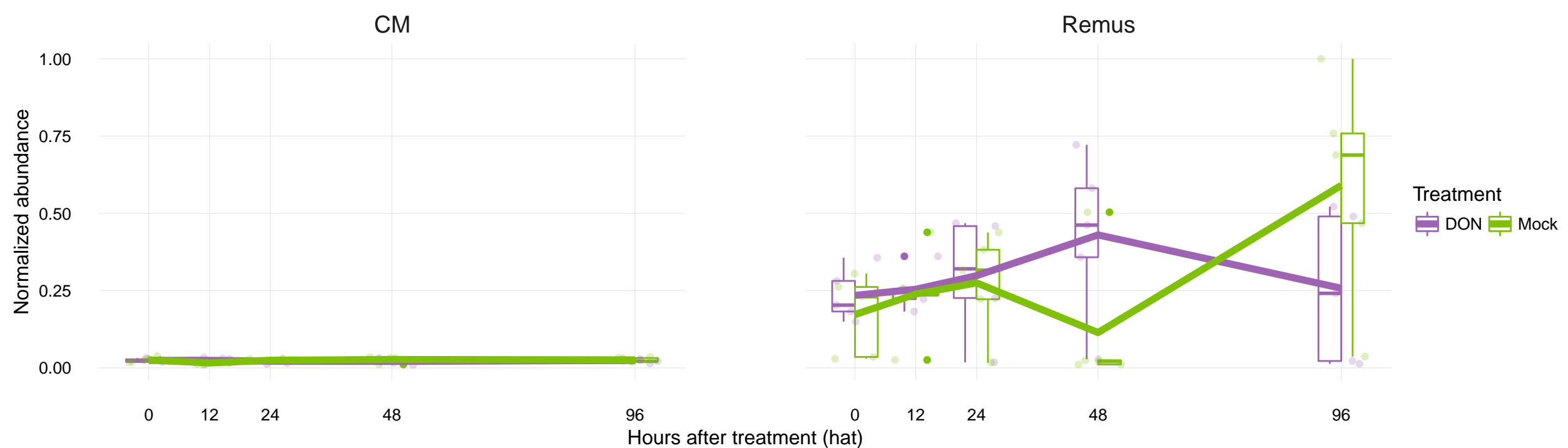
## C2, C4; different treatments



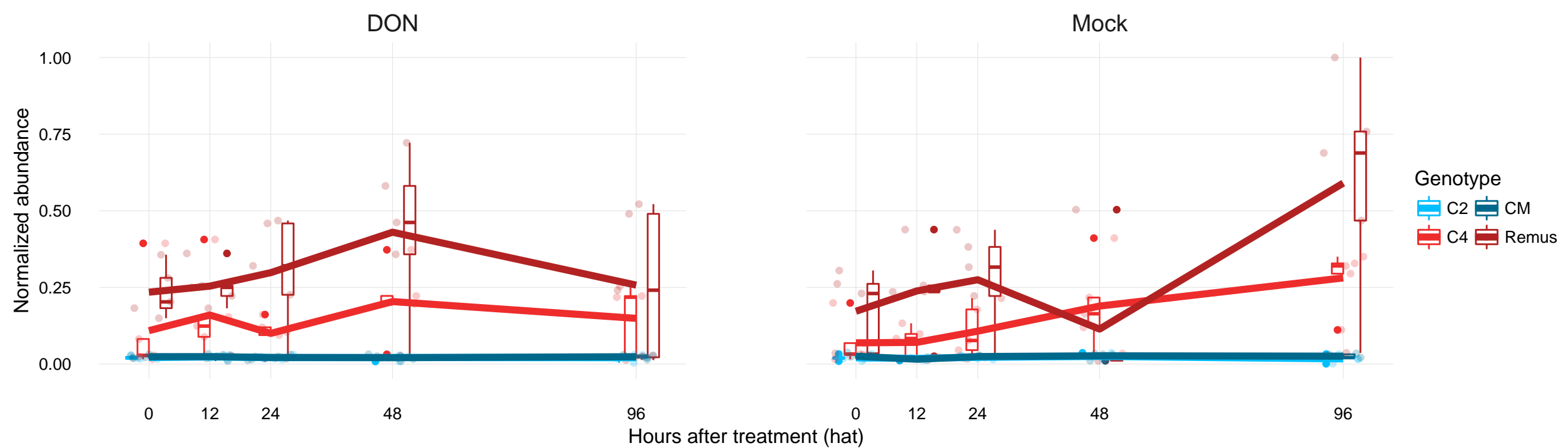
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

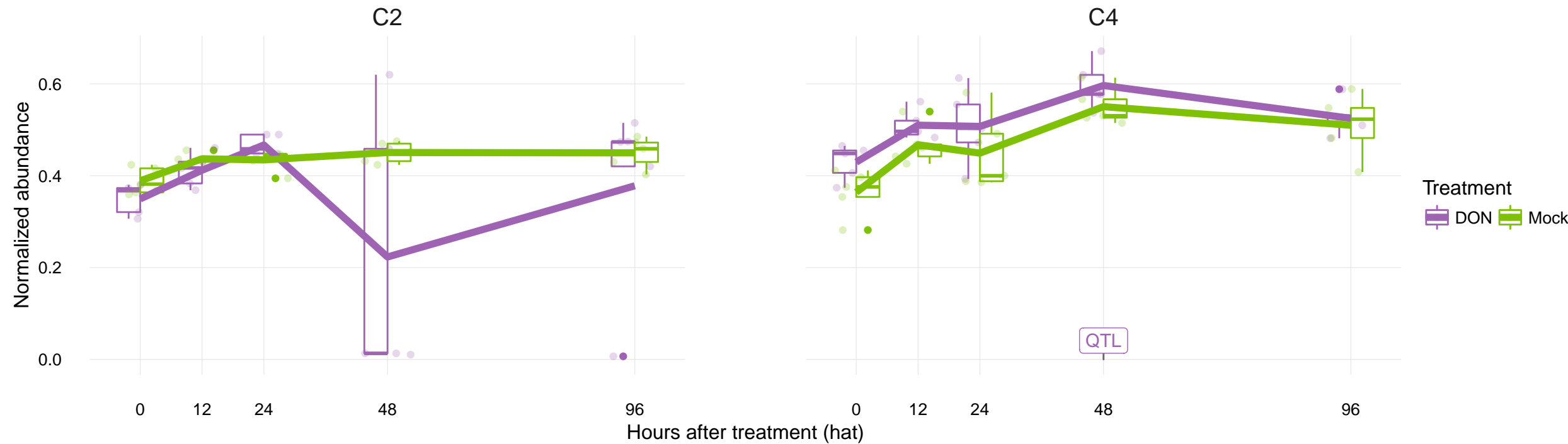


# A.27

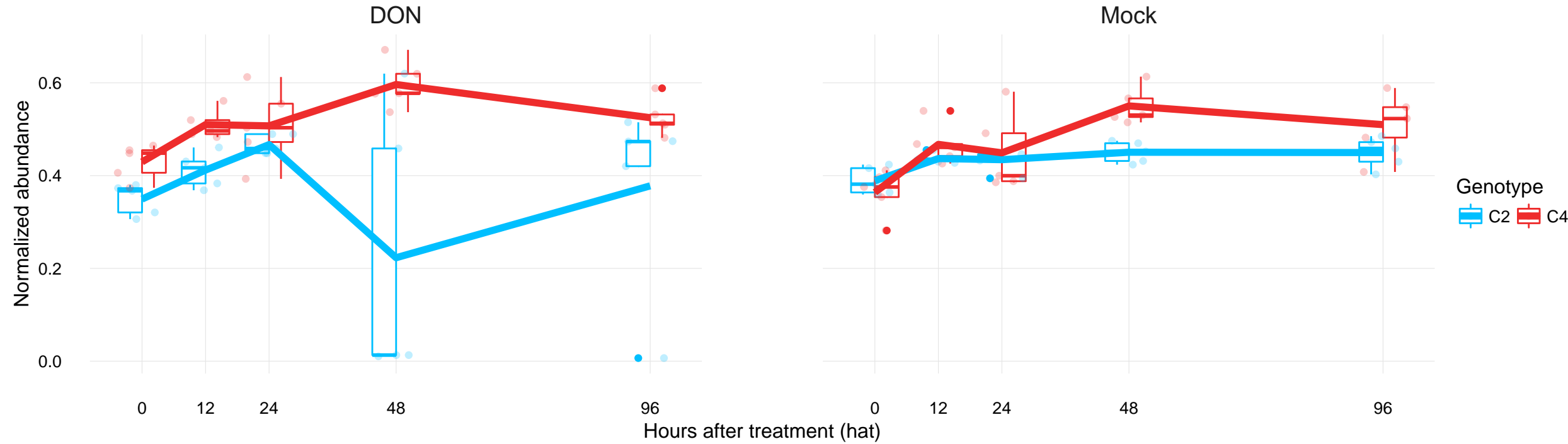
Annotated as HCA derivative  
(1 database hit)

MZ	395.1315
RT	9.19 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	17 /

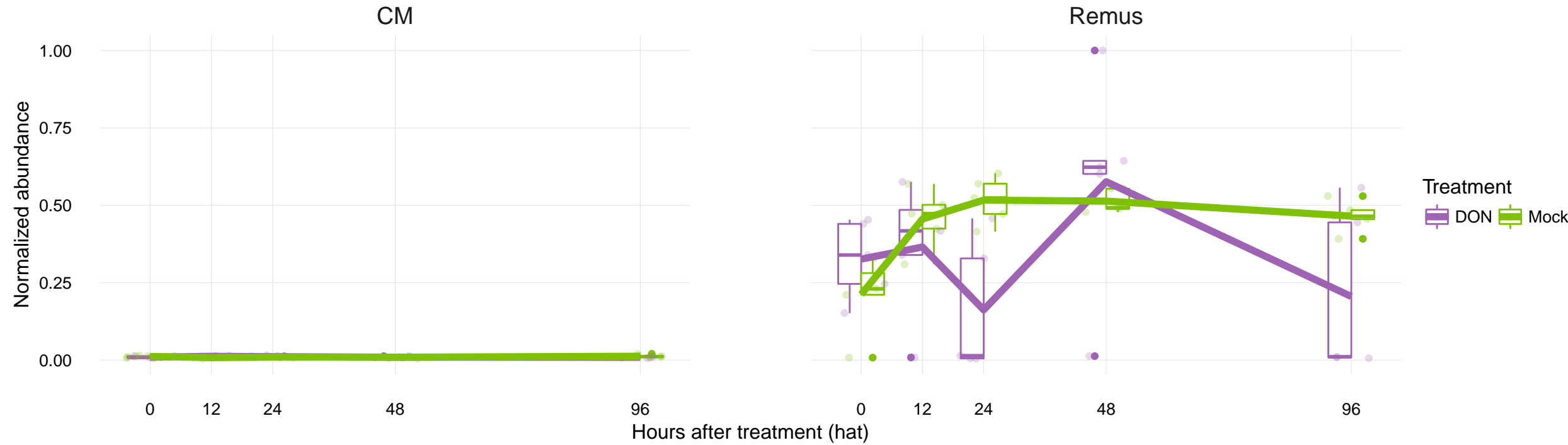
## C2, C4; different treatments



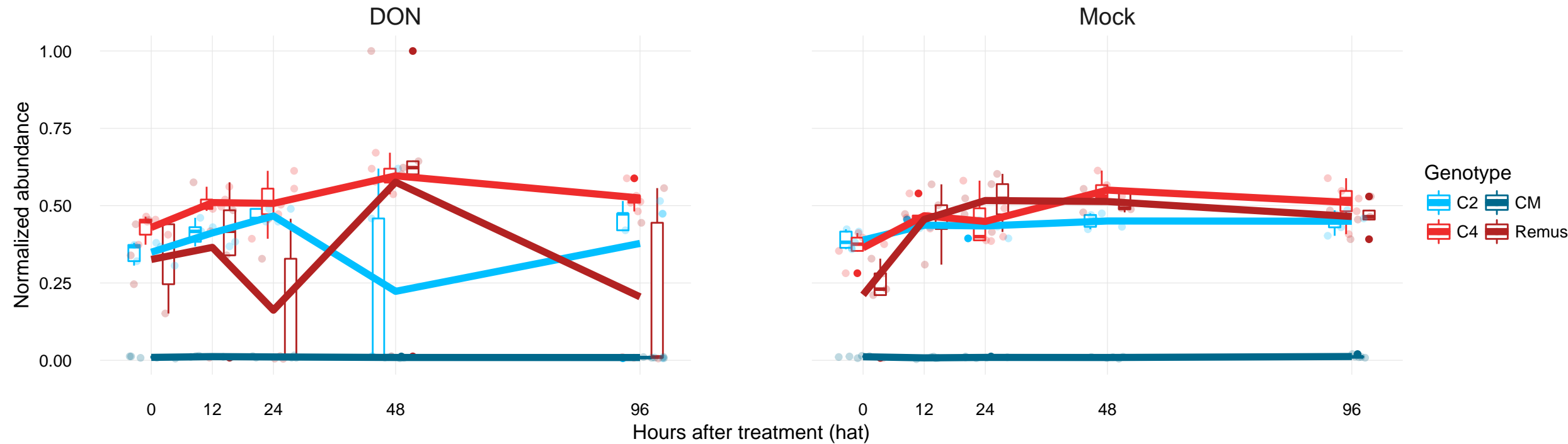
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

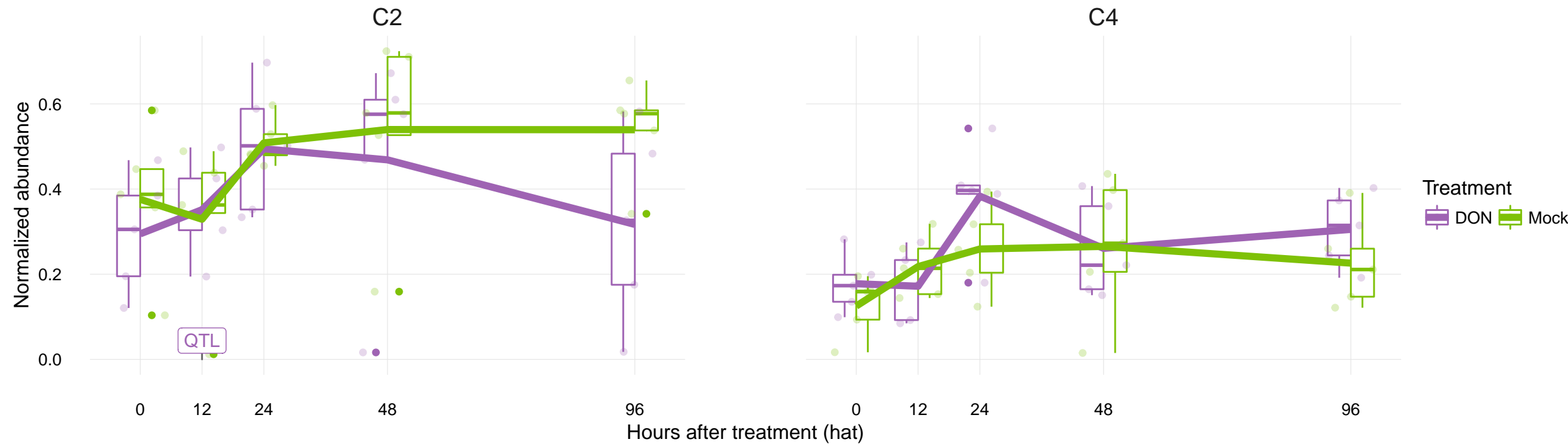


# U.3

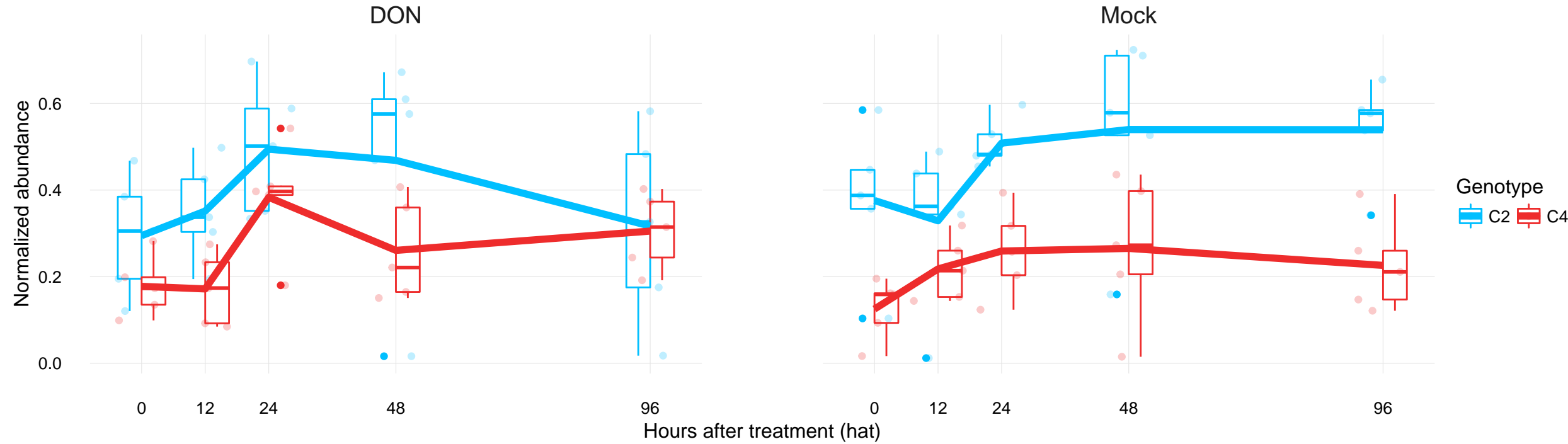
Unknown Phe-derived wheat-metabolite

MZ	768.2427
RT	9.6 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	9 / 9

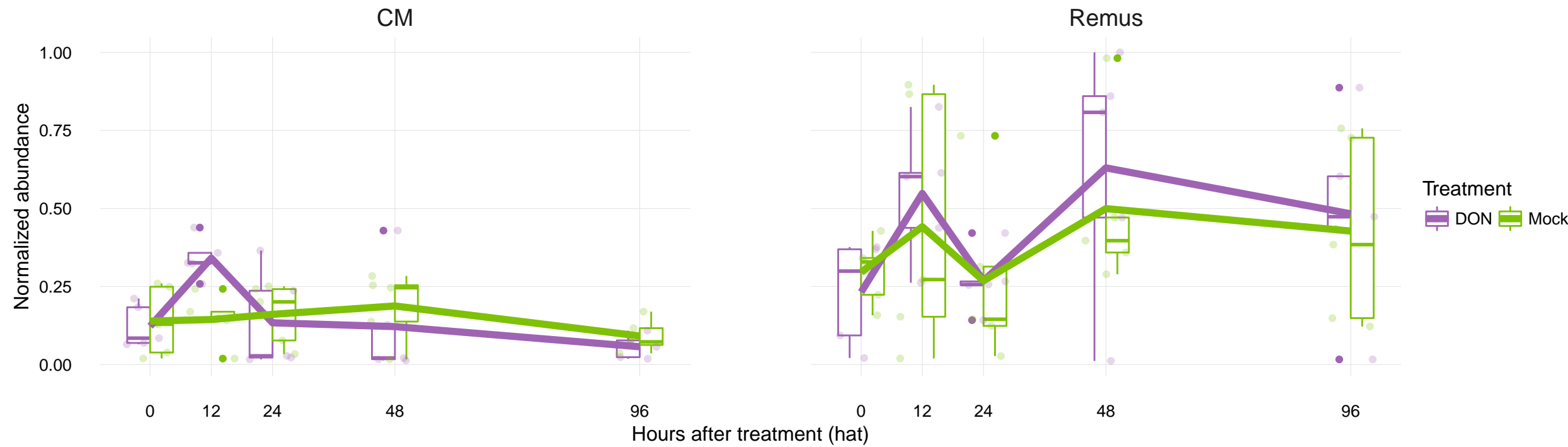
C2, C4; different treatments



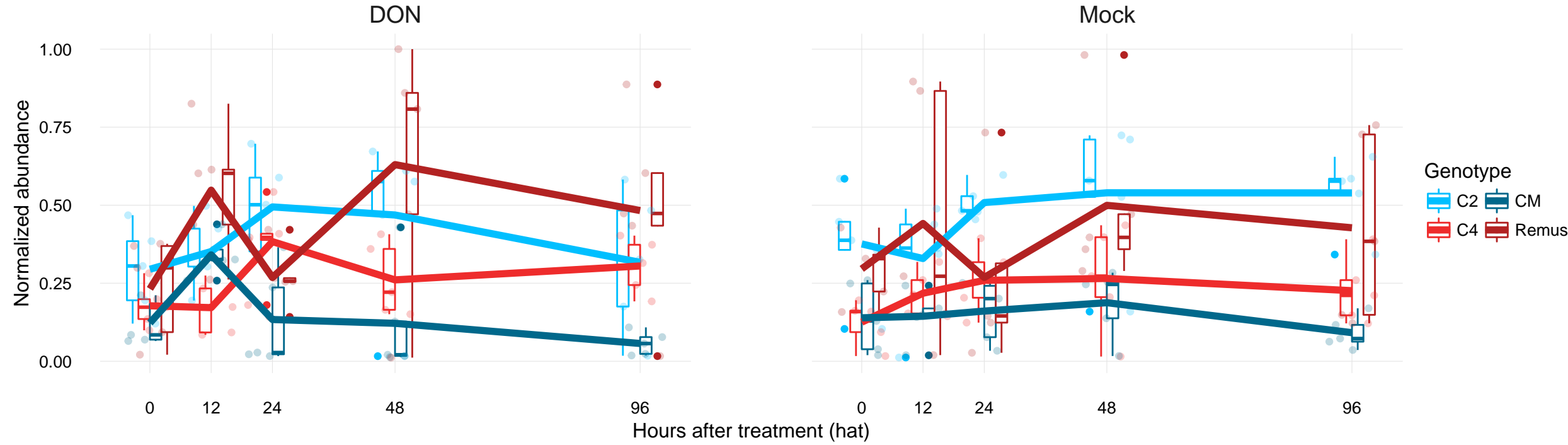
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

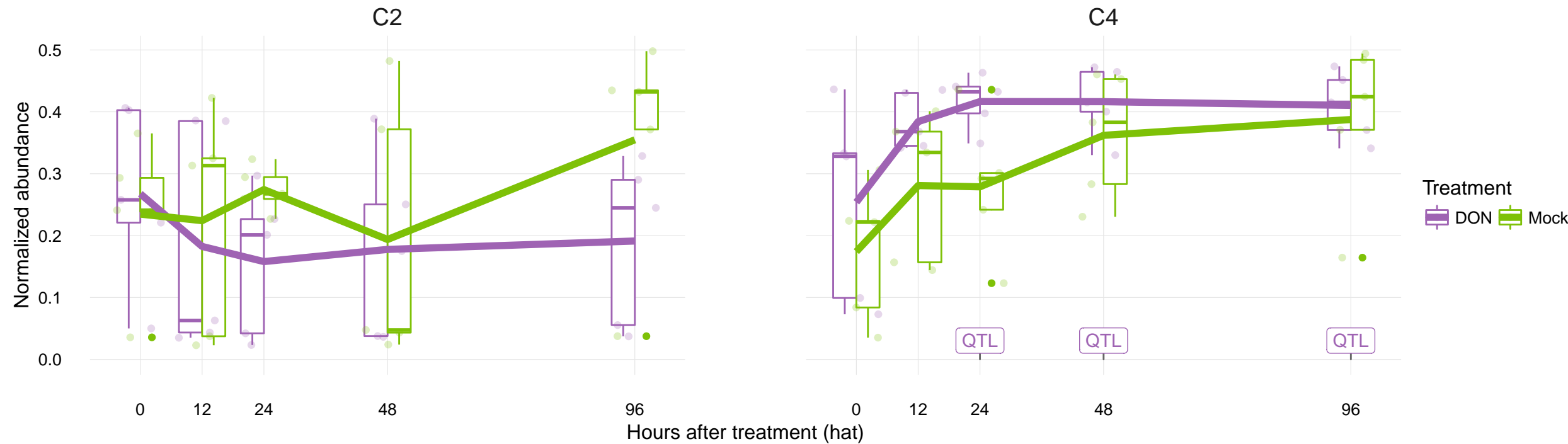


# A.26

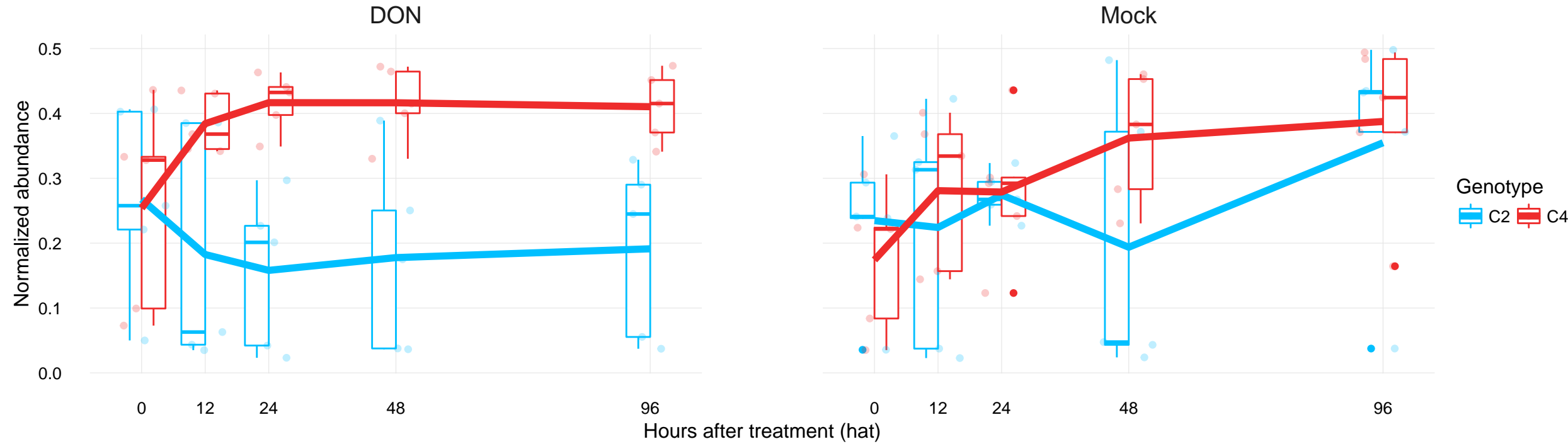
Annotated as HCA derivative  
(7 database hits)

MZ	167.0703
RT	8.99 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	9 /

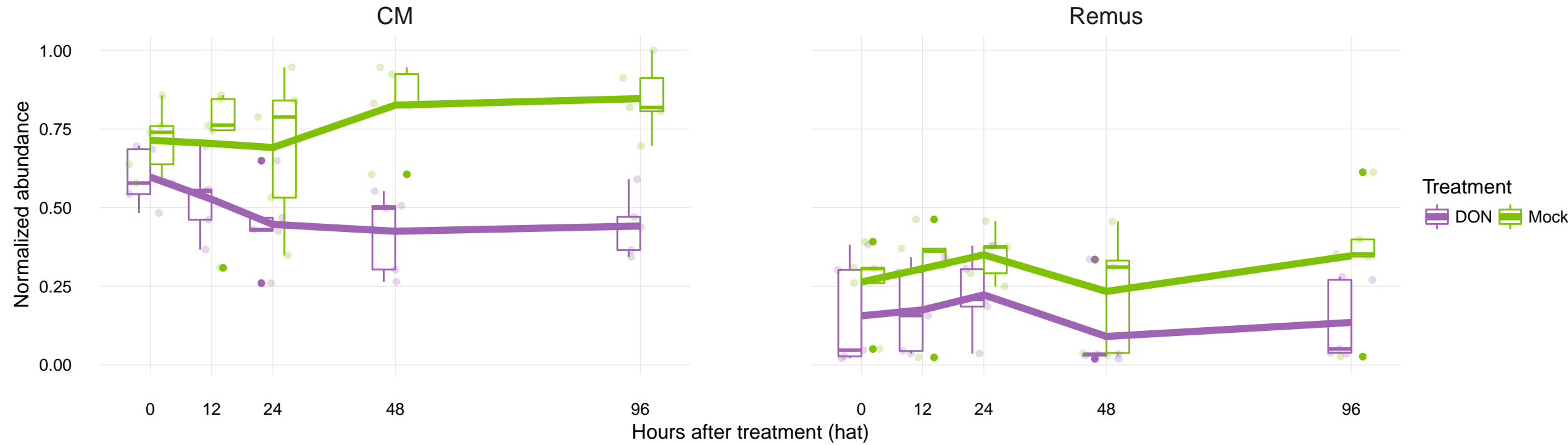
## C2, C4; different treatments



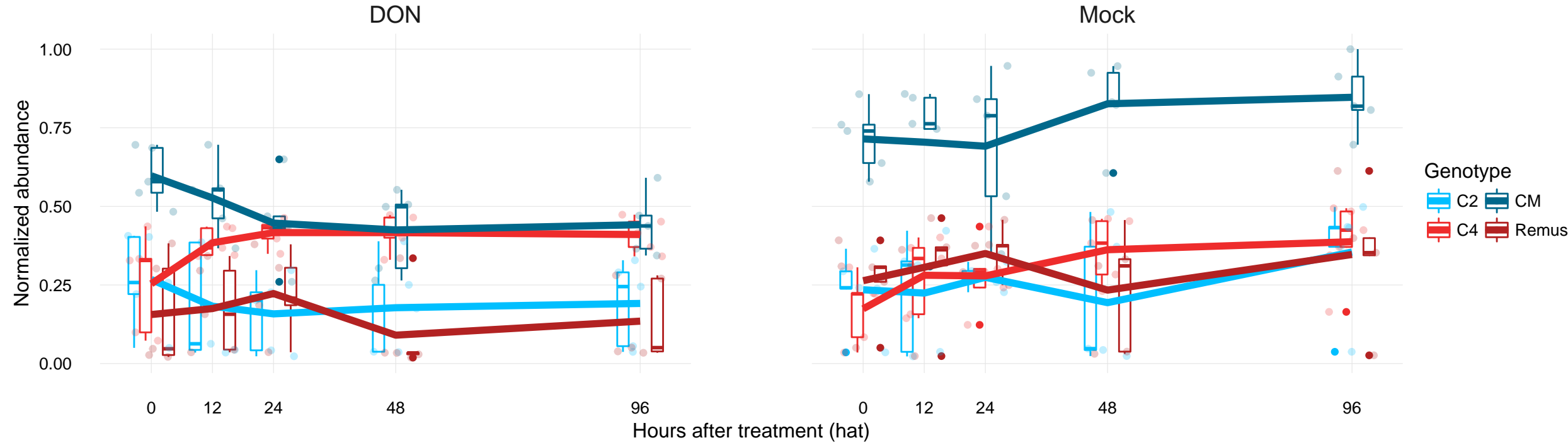
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

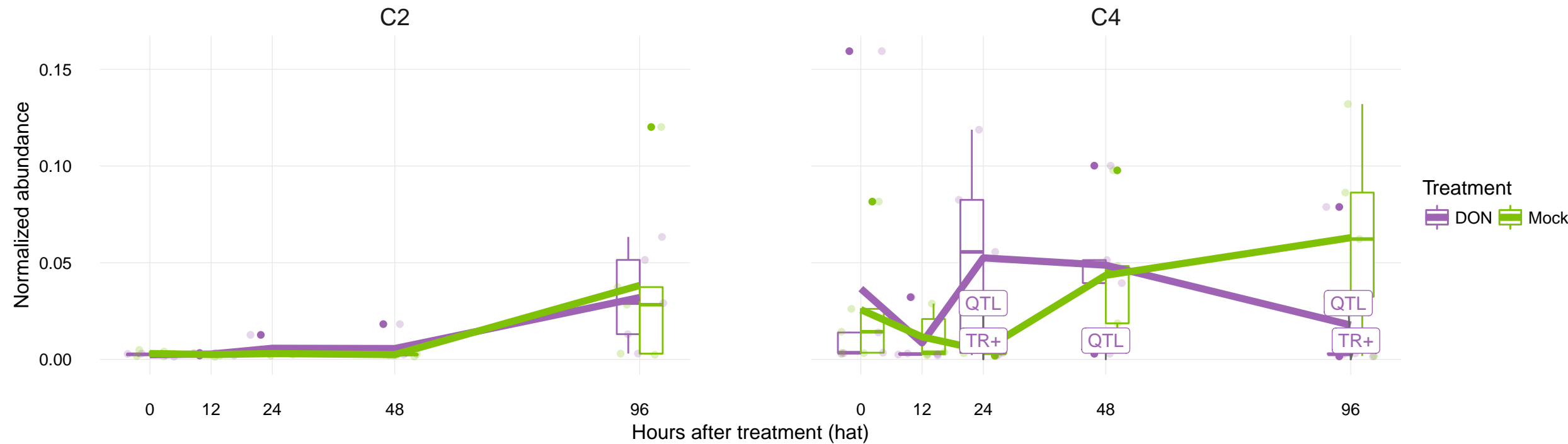


# A.132

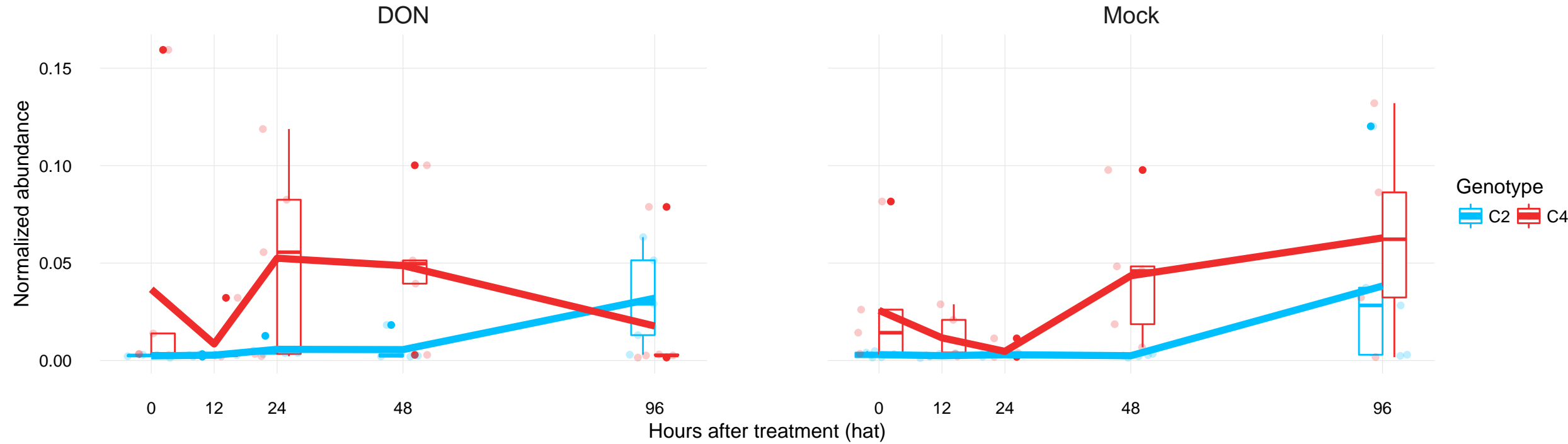
Annotated as Flavonoid or Lignan  
(10 database hits)

MZ	415.1389
RT	21.22 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	22 / 18

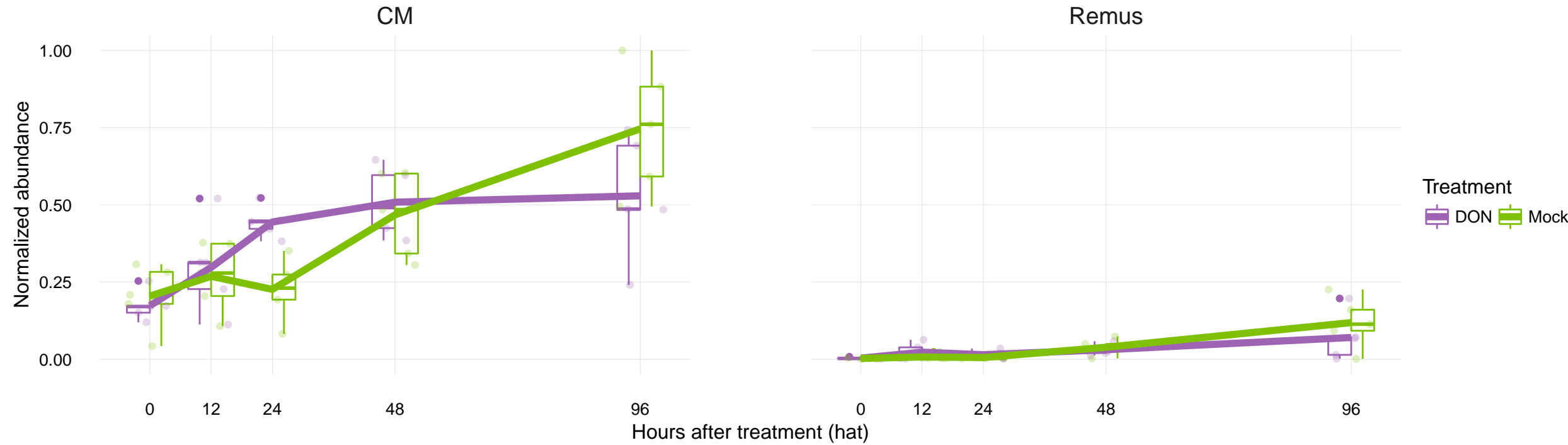
## C2, C4; different treatments



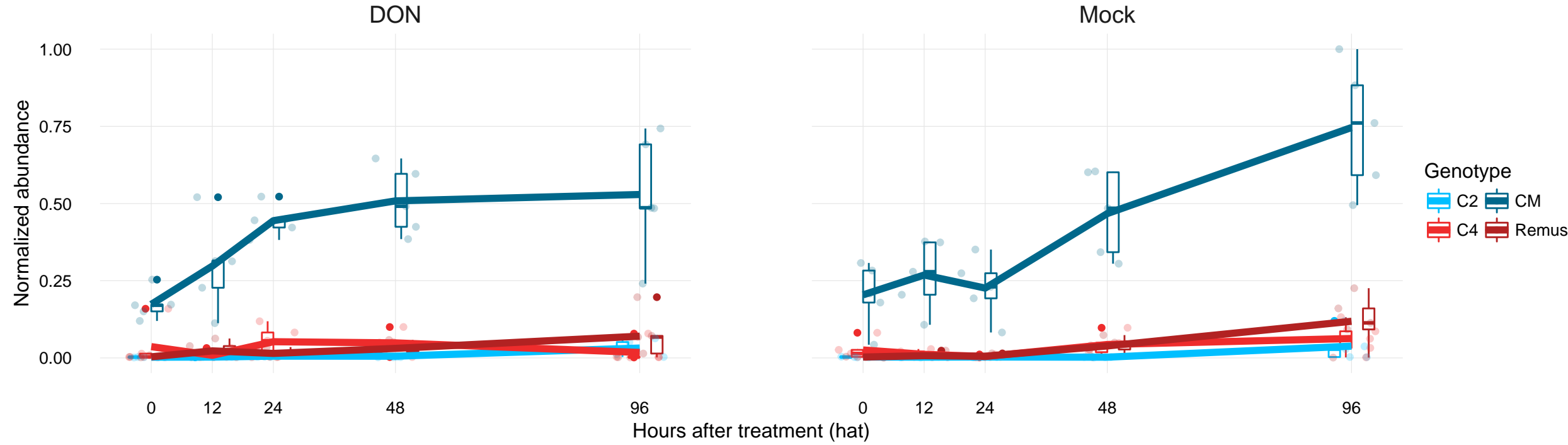
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

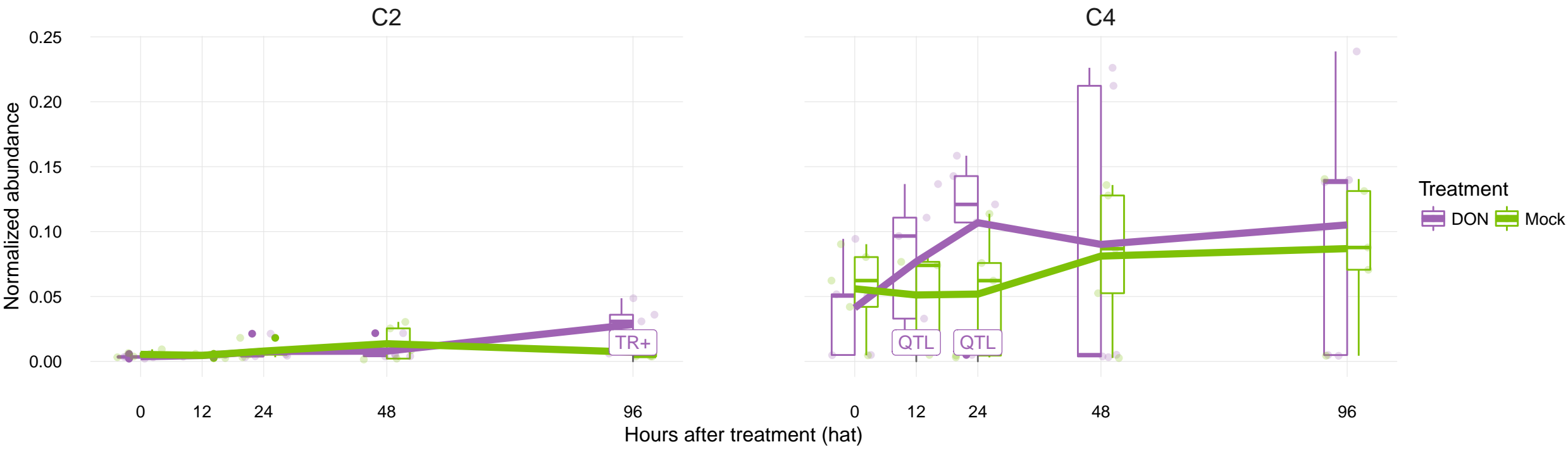


# A.108

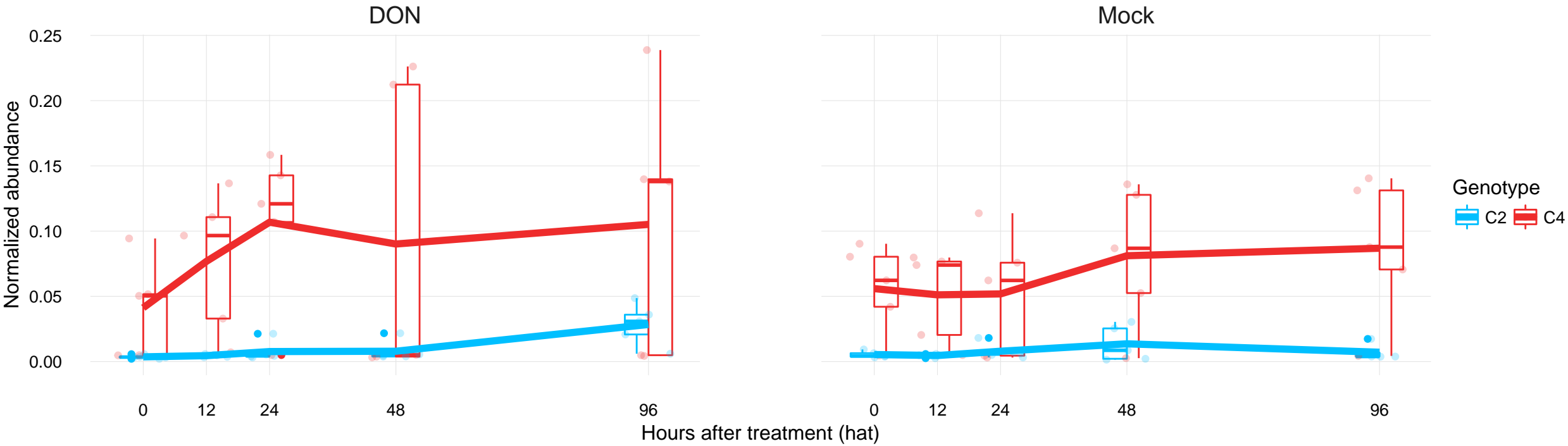
Annotated as Flavonoid  
(30 database hits)

MZ	395.1102
RT	17.59 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	20 /

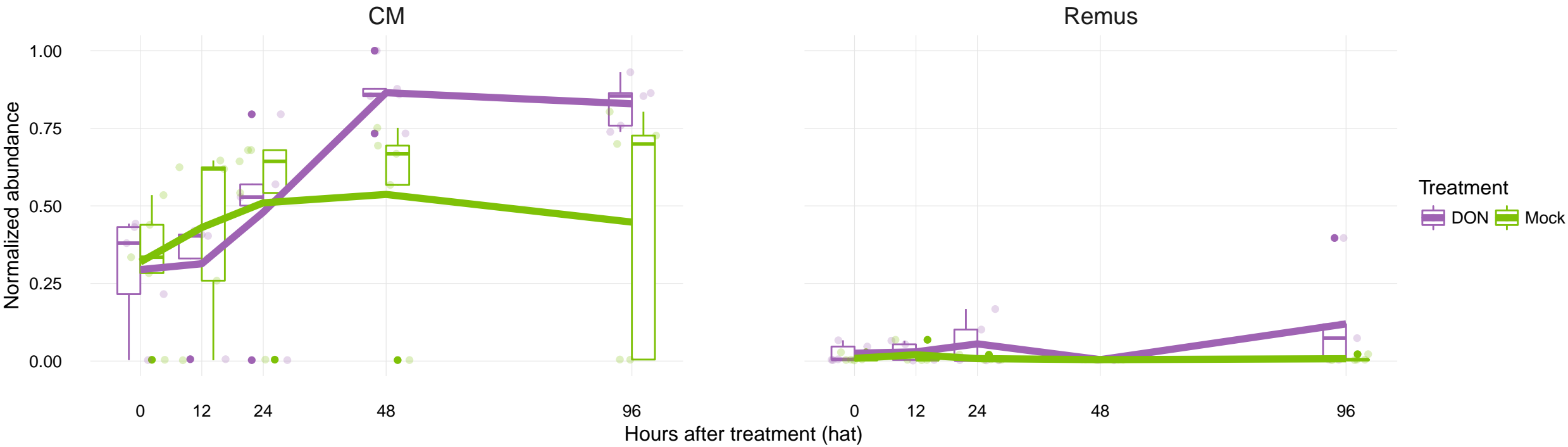
## C2, C4; different treatments



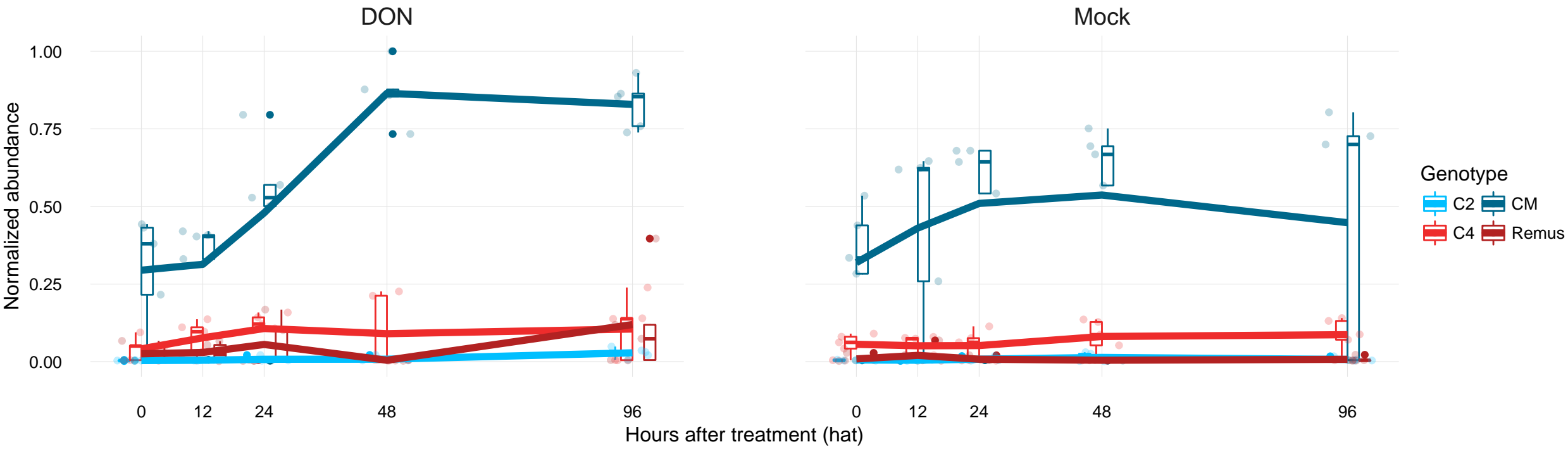
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

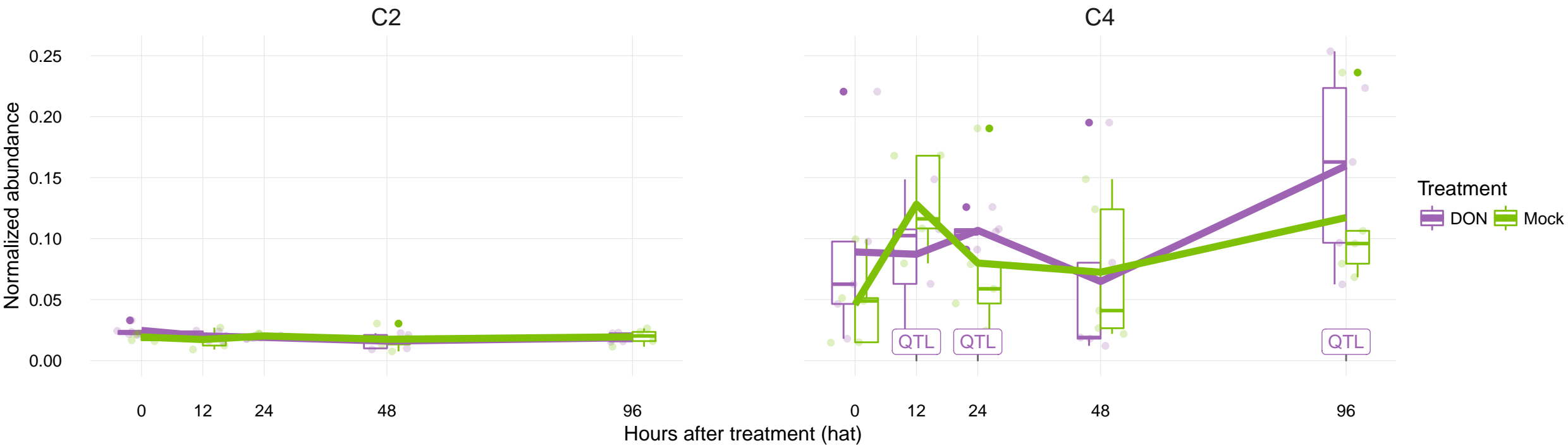


# U.5

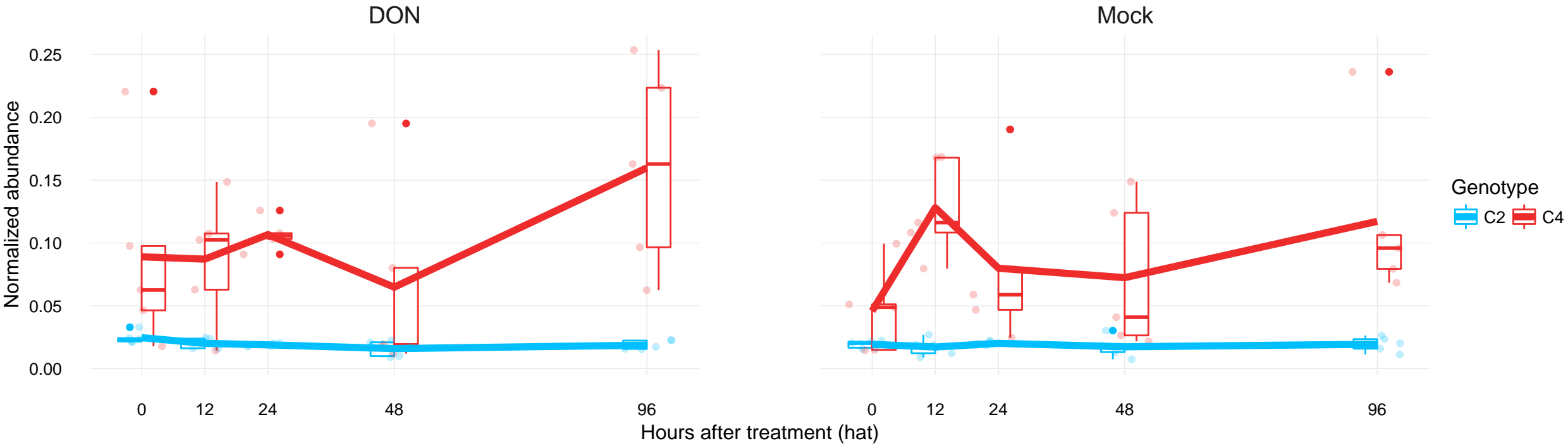
Unknown Phe-derived wheat-metabolite

MZ	450.1609
RT	12.78 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	18 / 6

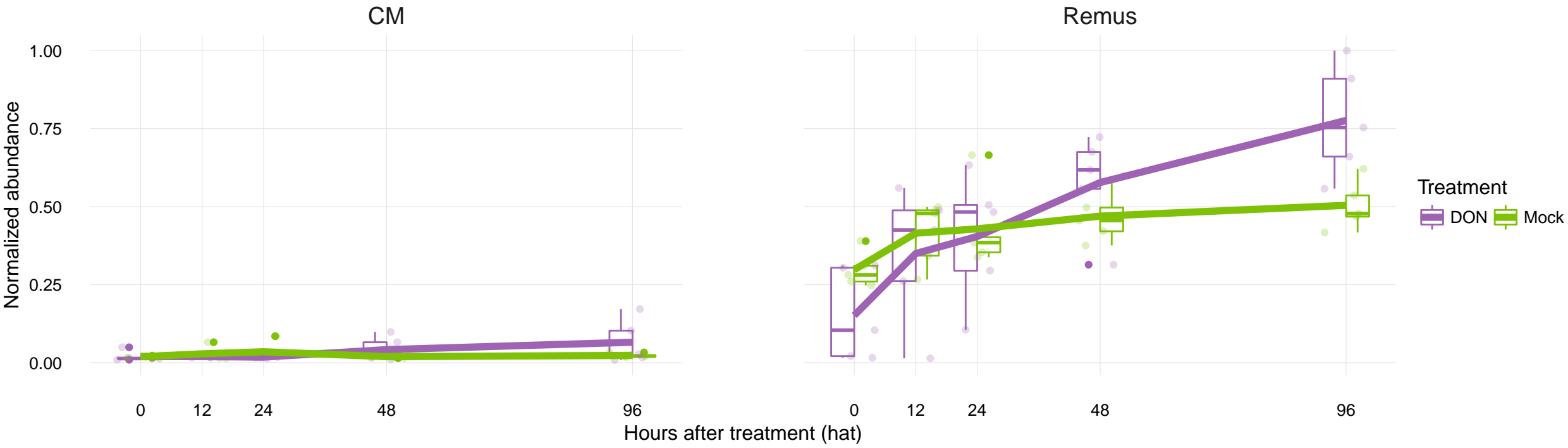
## C2, C4; different treatments



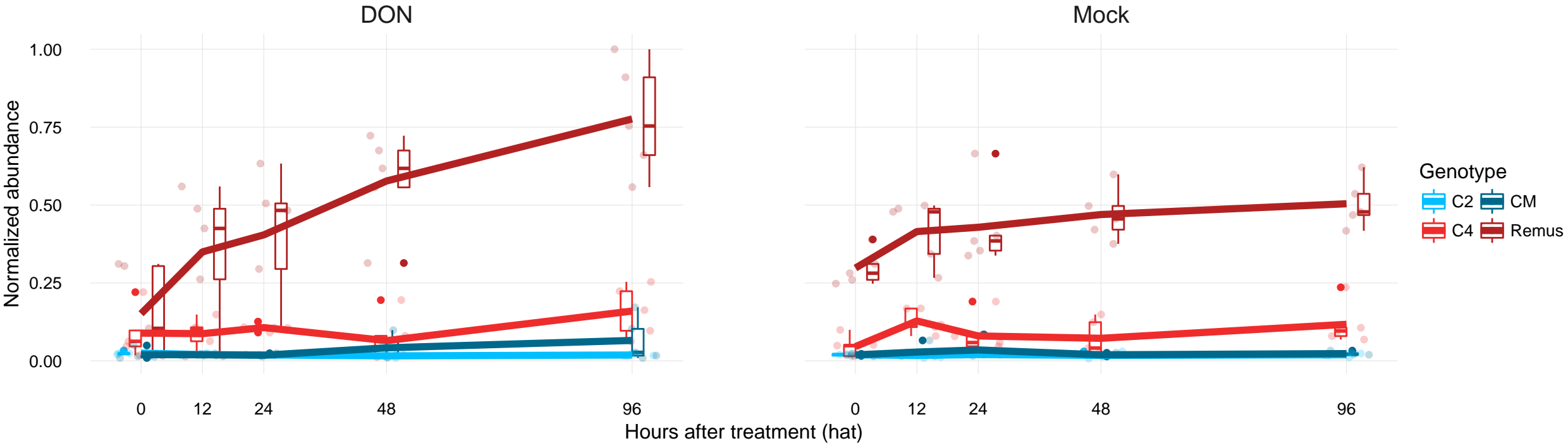
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



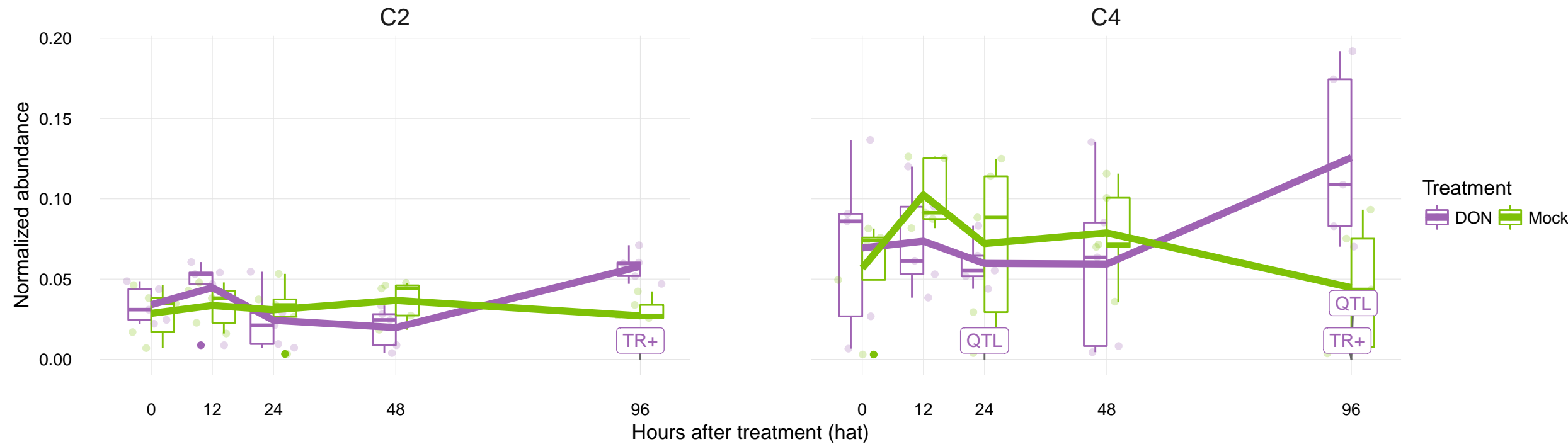


# A.86

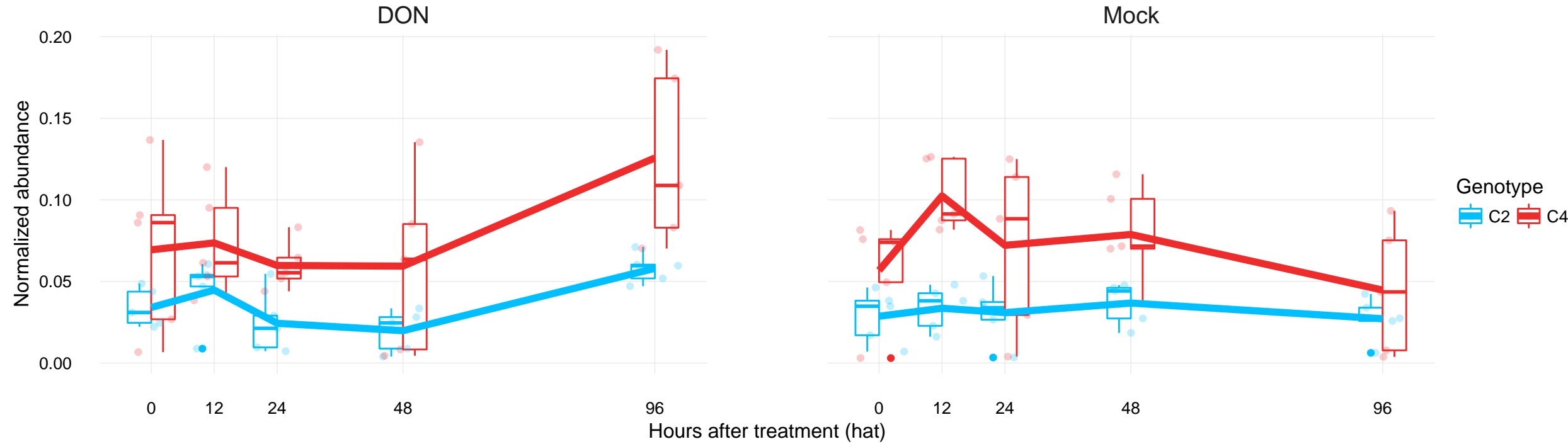
Annotated as Flavonoid  
(30 database hits)

MZ	341.1385
RT	15.2 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	20 /

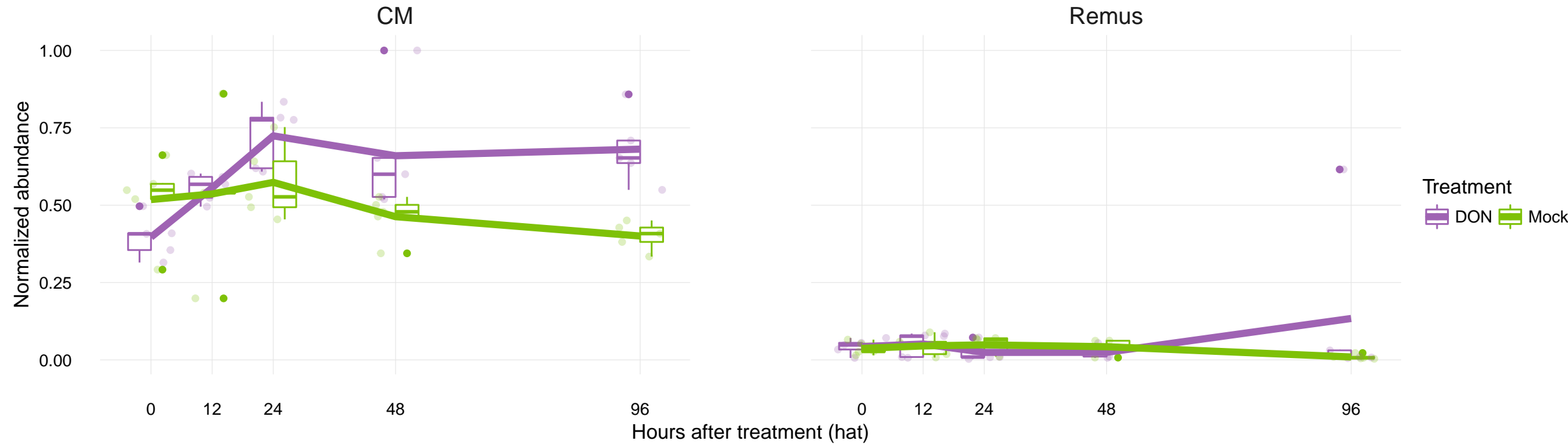
## C2, C4; different treatments



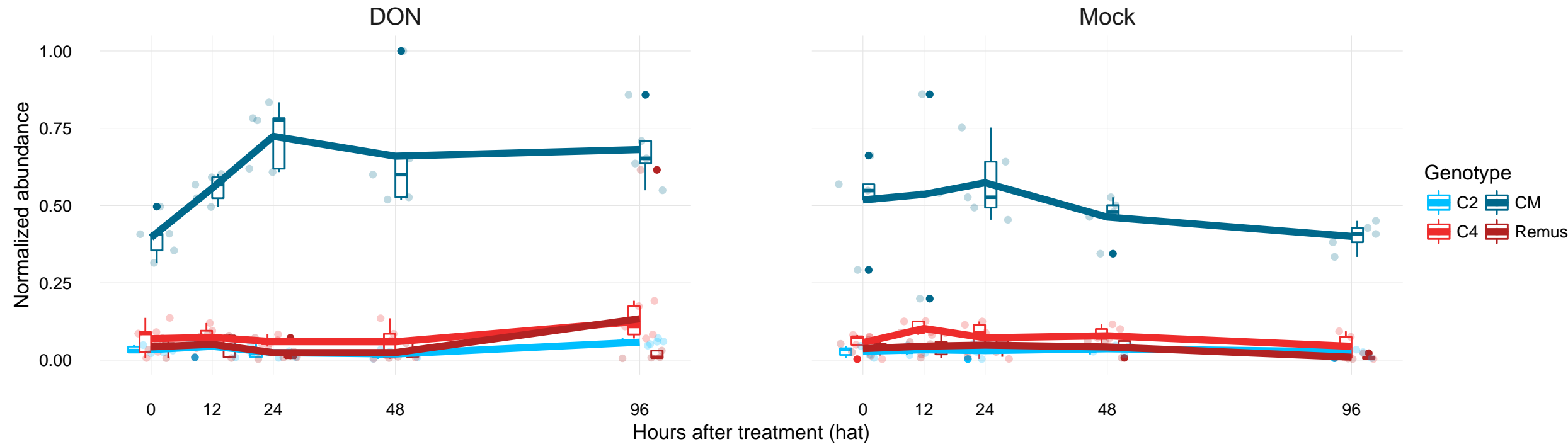
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

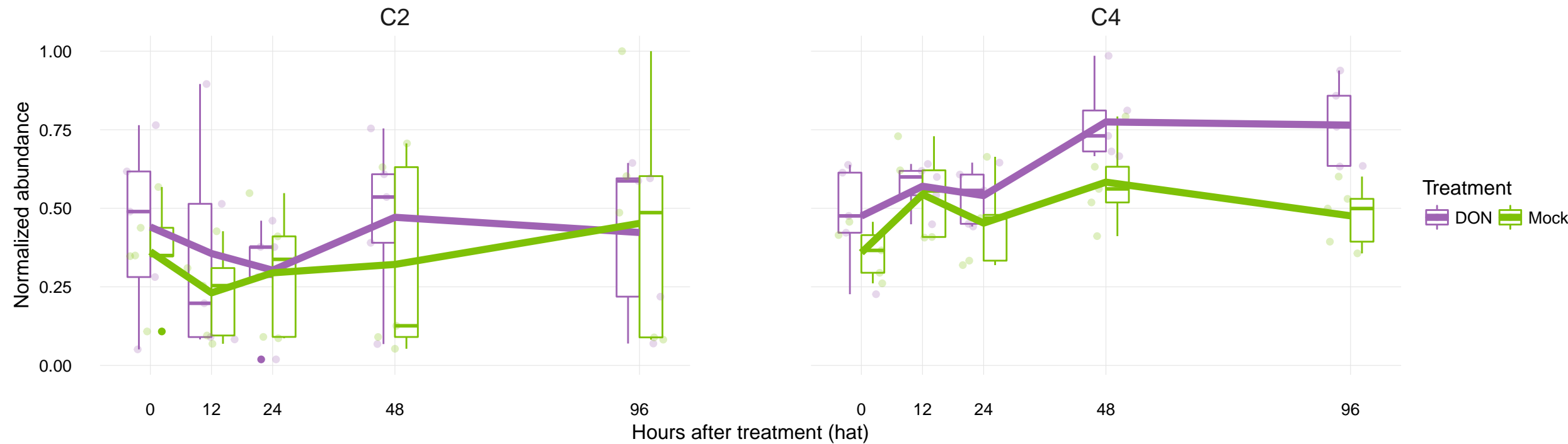


# A.73

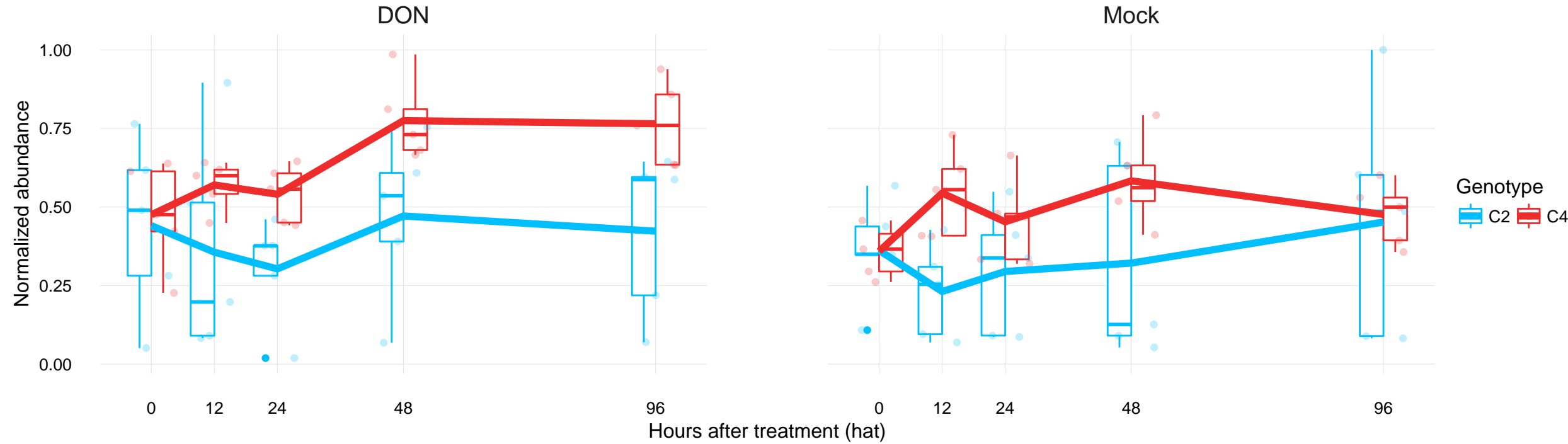
Annotated as Putative phenylacetic acid derivative  
(1 database hit)

MZ	434.2024
RT	13.89 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	19 / 8

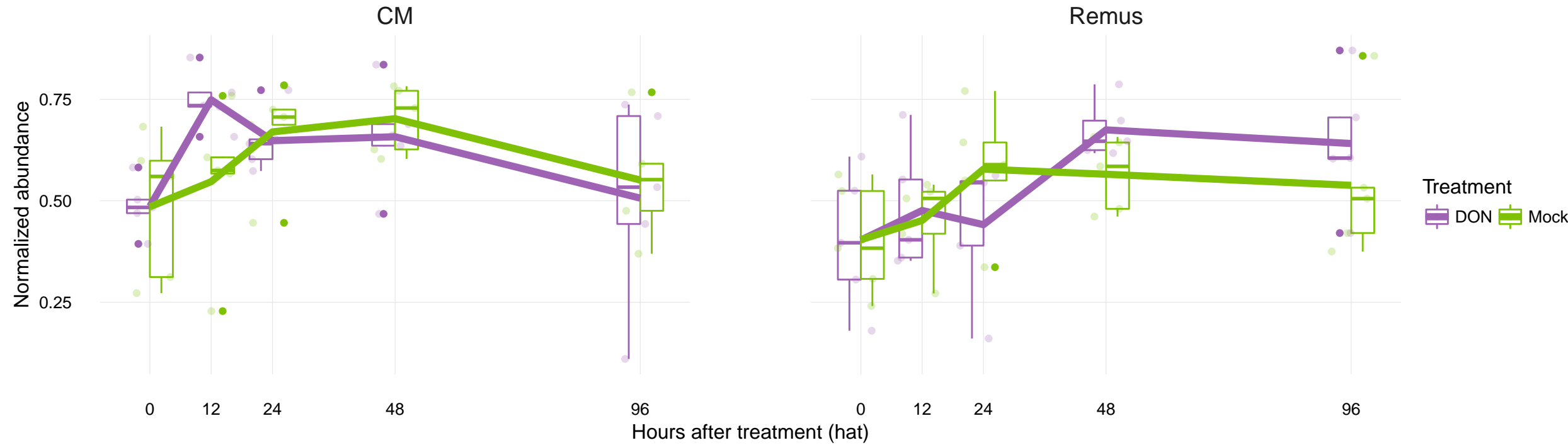
## C2, C4; different treatments



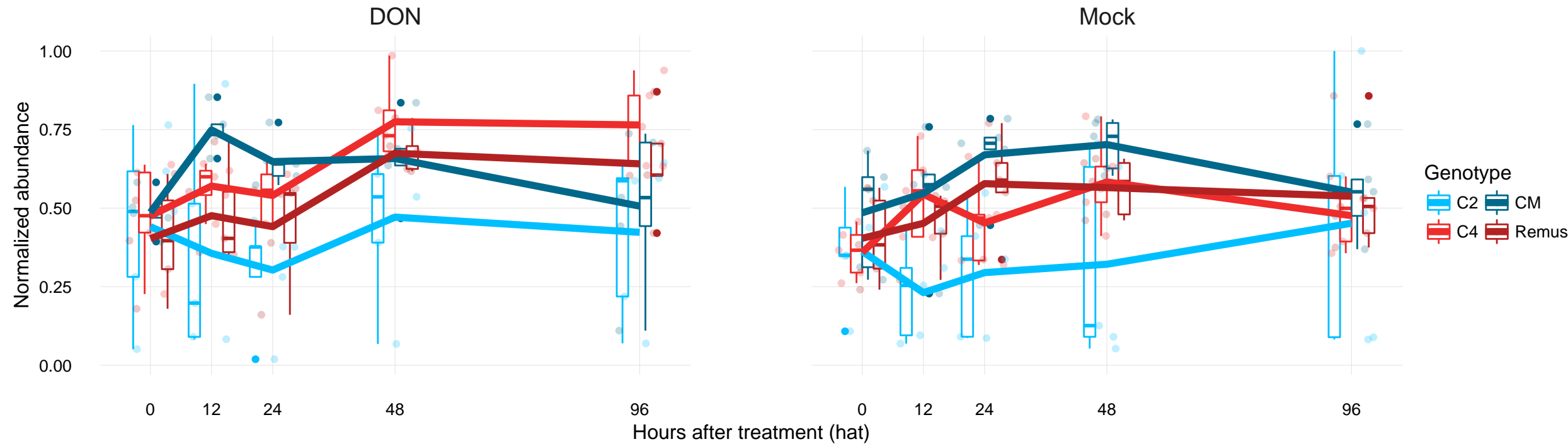
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

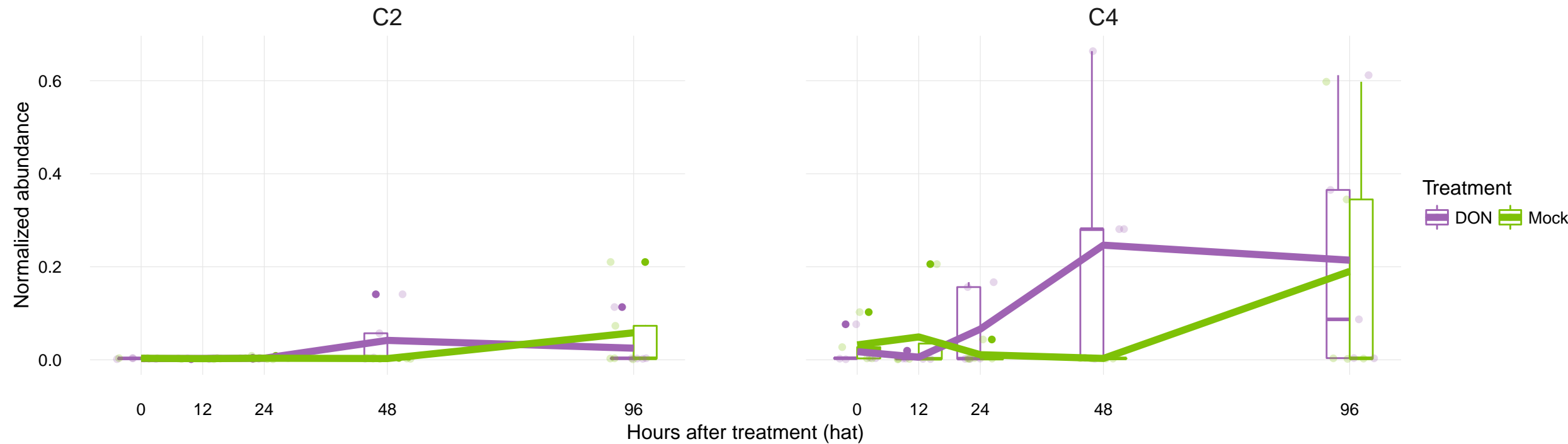


# A.78

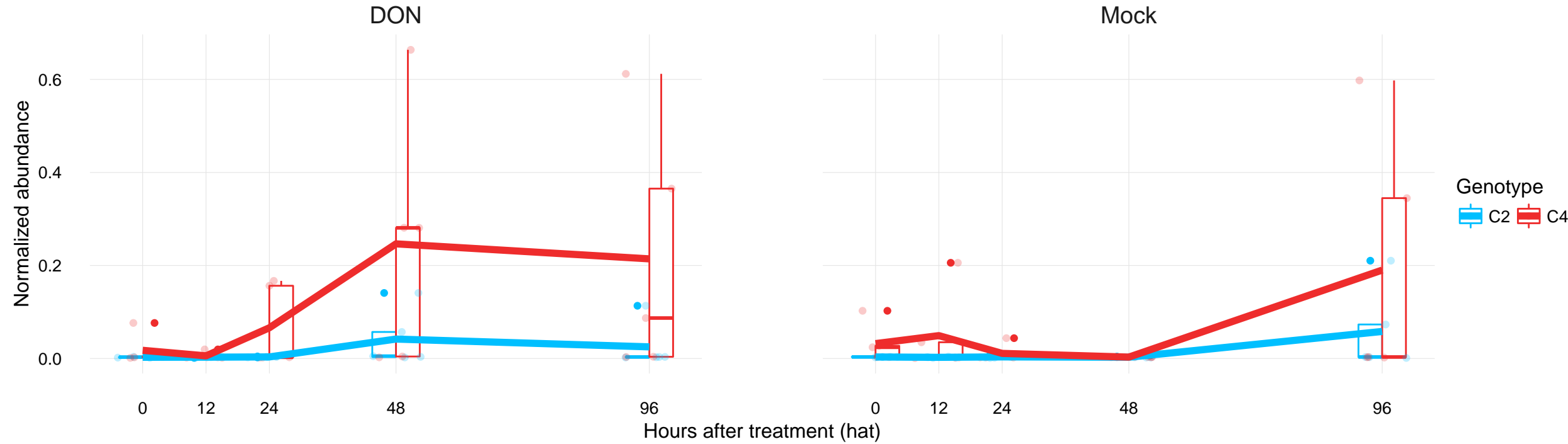
Annotated as HCAA (diHCAA)  
(1 database hit)

MZ	438.2389
RT	14.22 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	–
Cn total / Phe	25 / 18

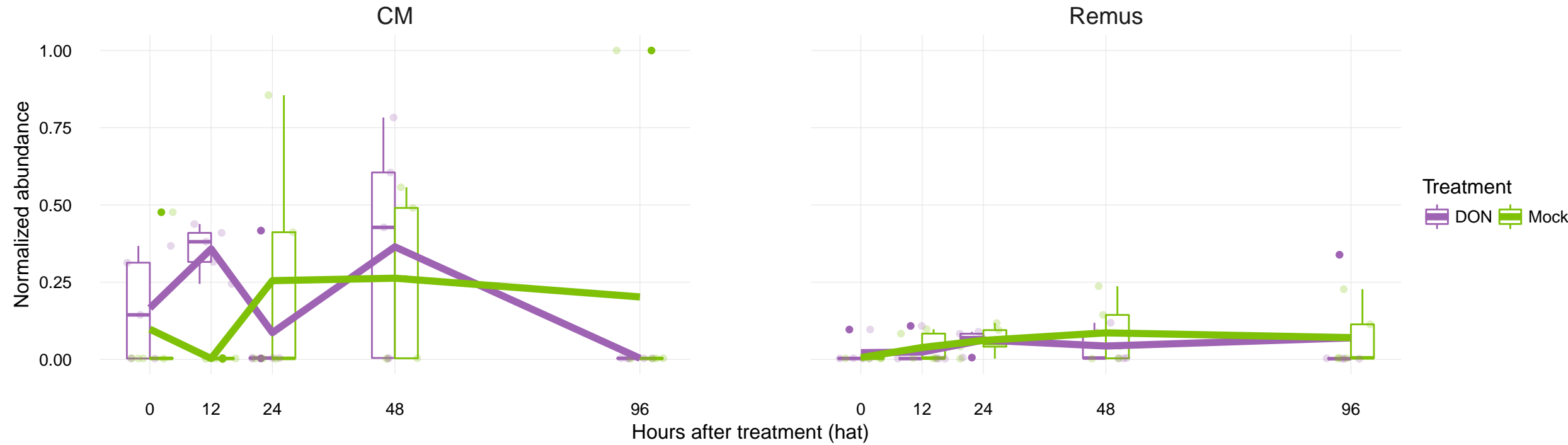
## C2, C4; different treatments



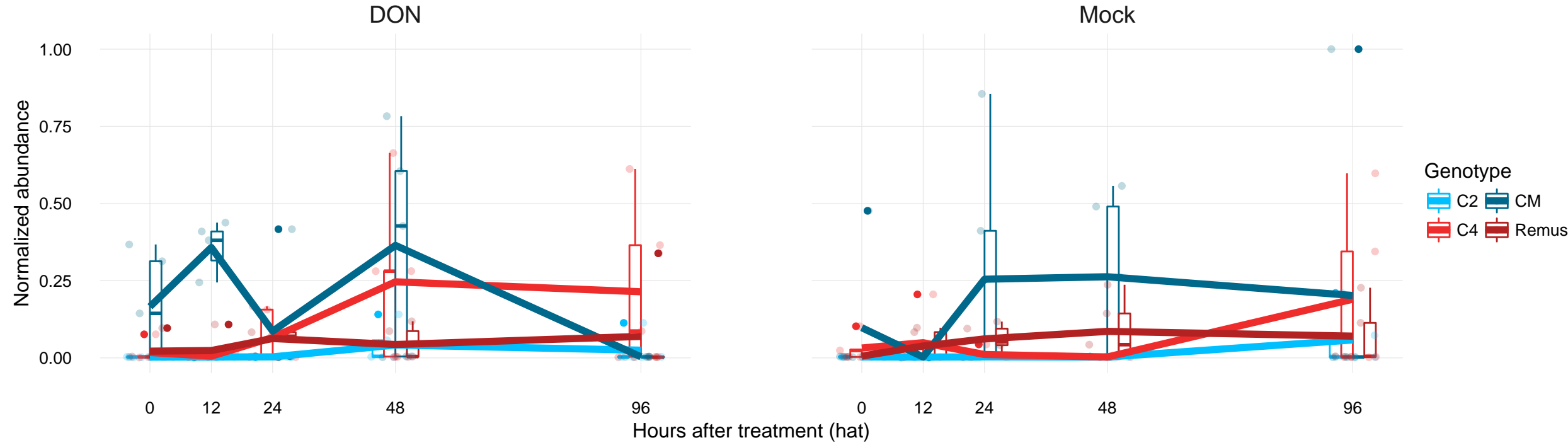
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

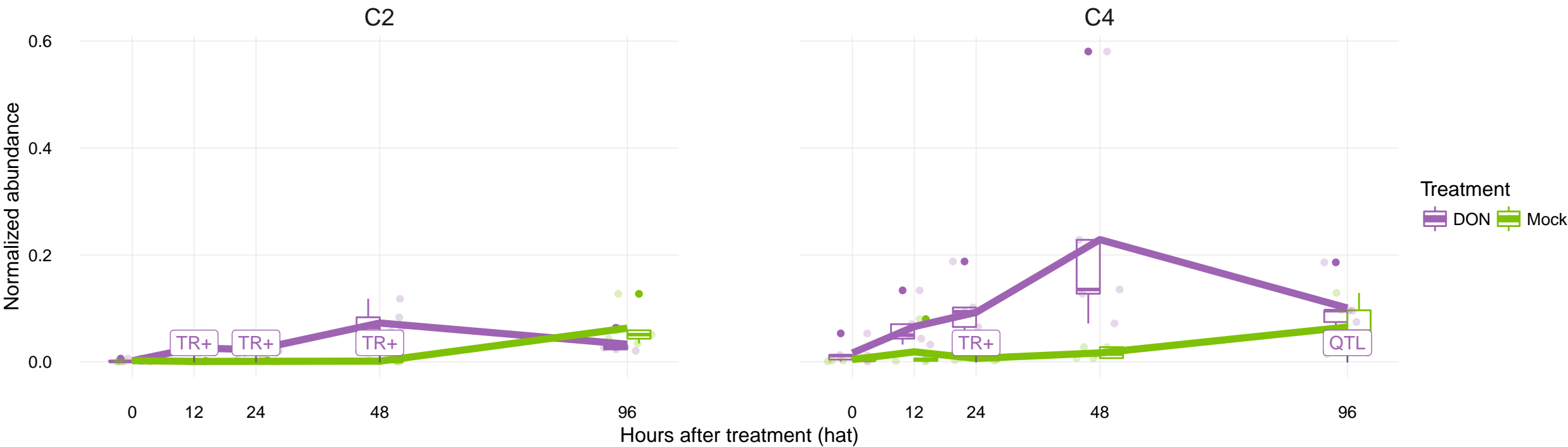


# Chlorogenic acid

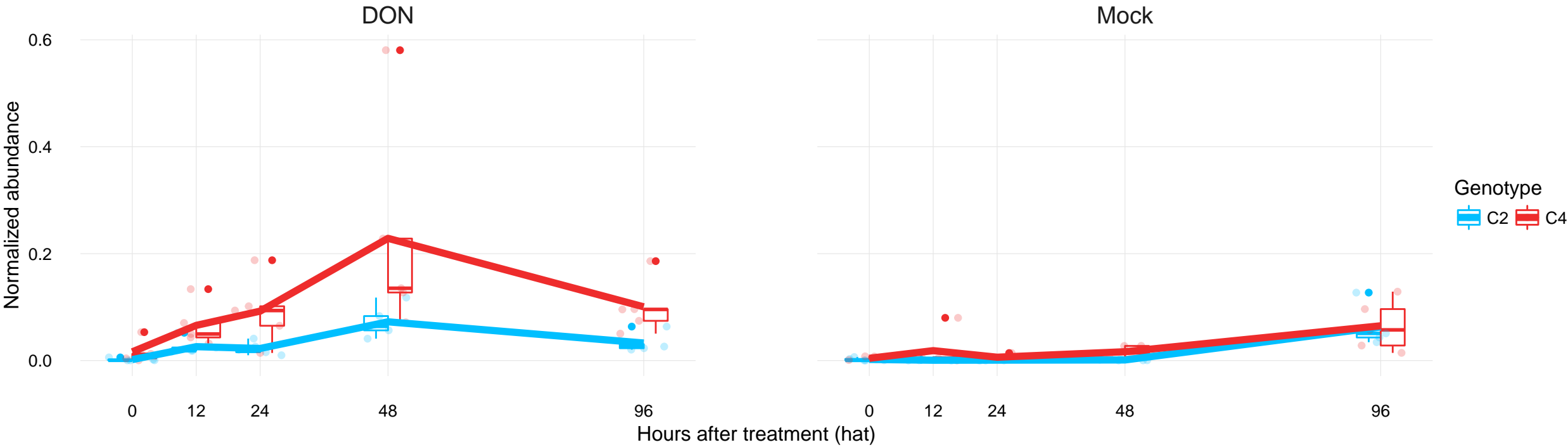
Identified metabolite (level 1)

MZ	377.0846
RT	9.54 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	16 /

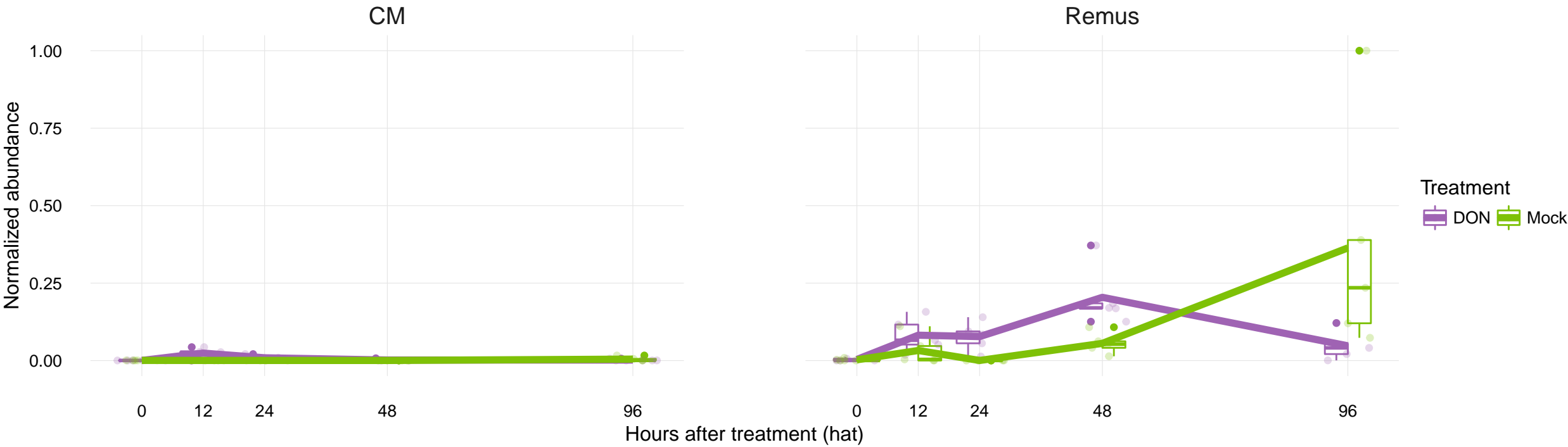
C2, C4; different treatments



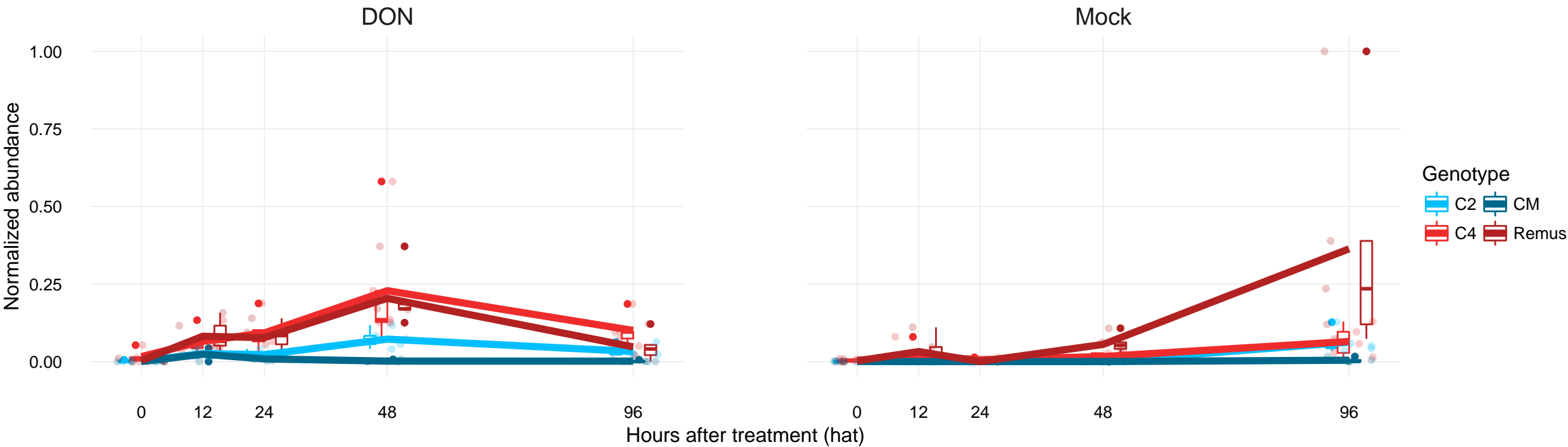
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

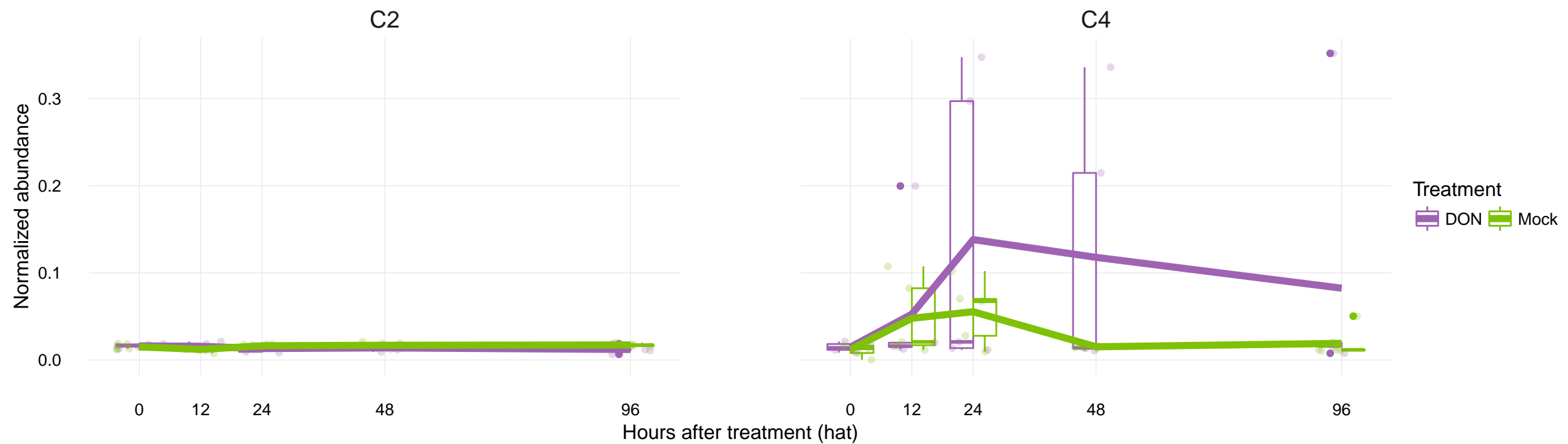


# A.105

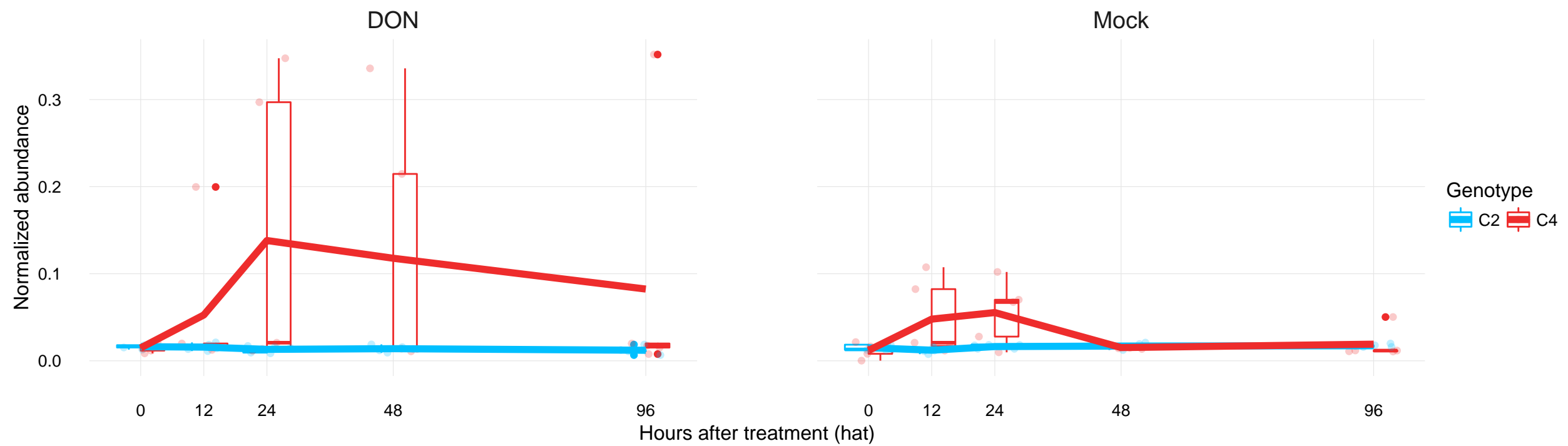
Annotated as HCA derivative  
(1 database hit)

MZ	313.1282
RT	17.23 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	15 /

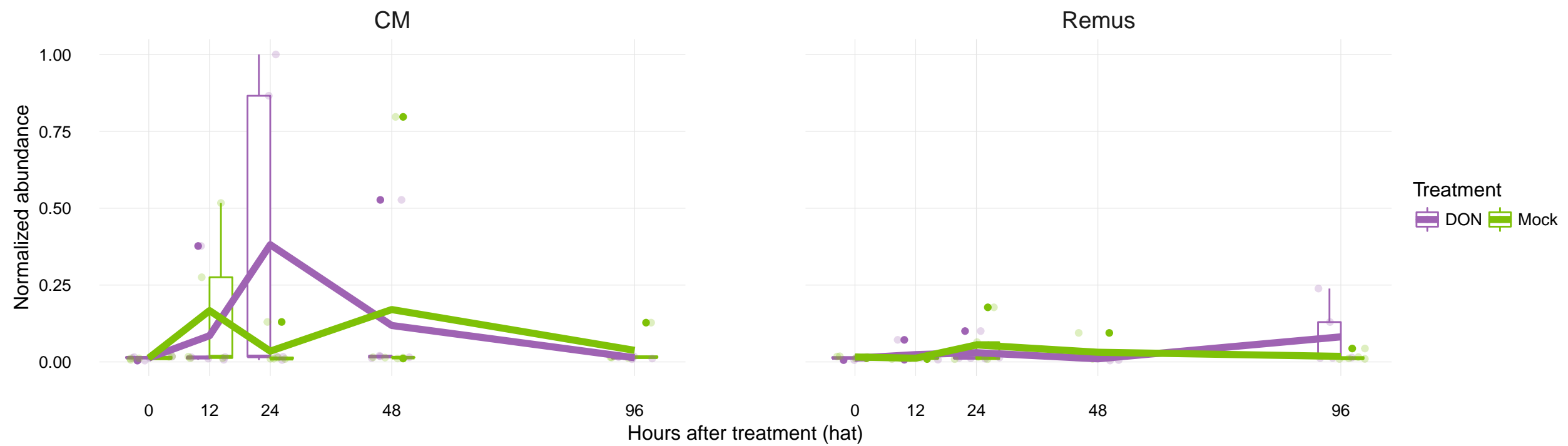
## C2, C4; different treatments



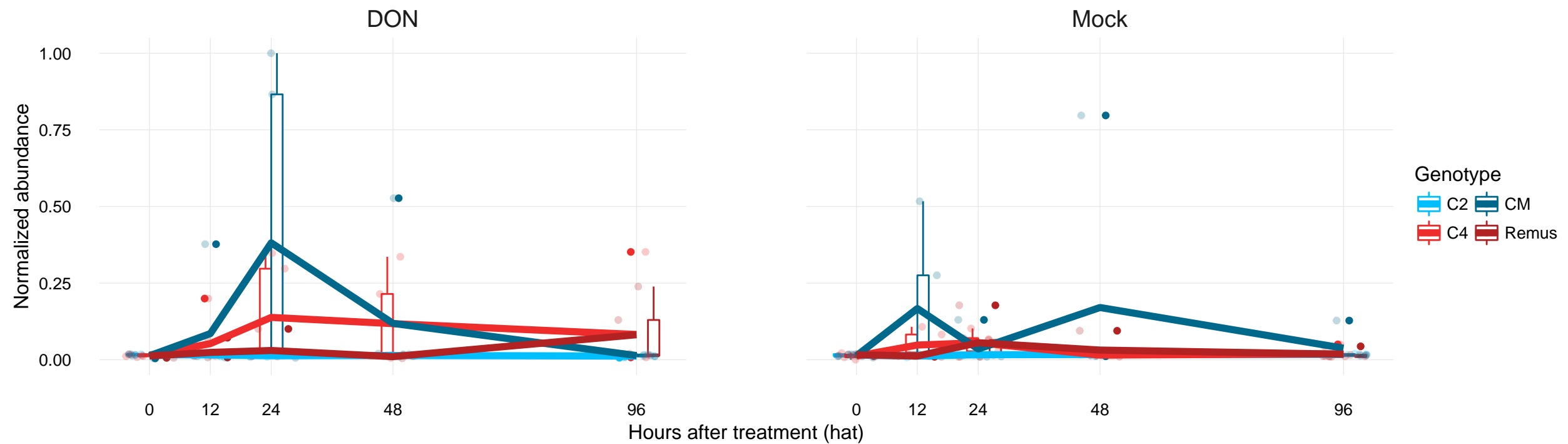
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

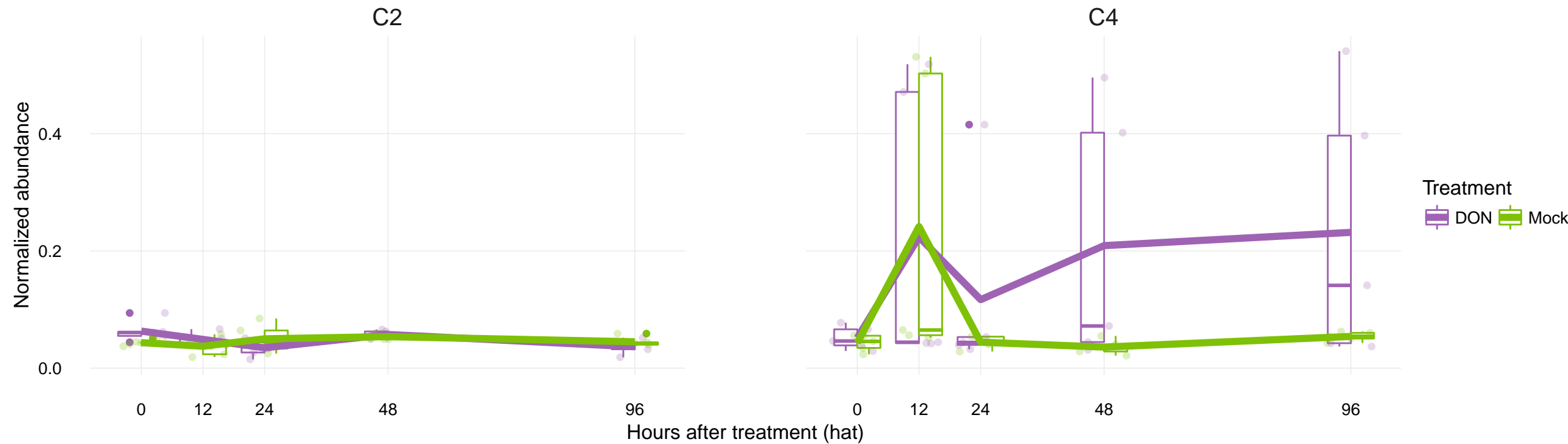


# A.5

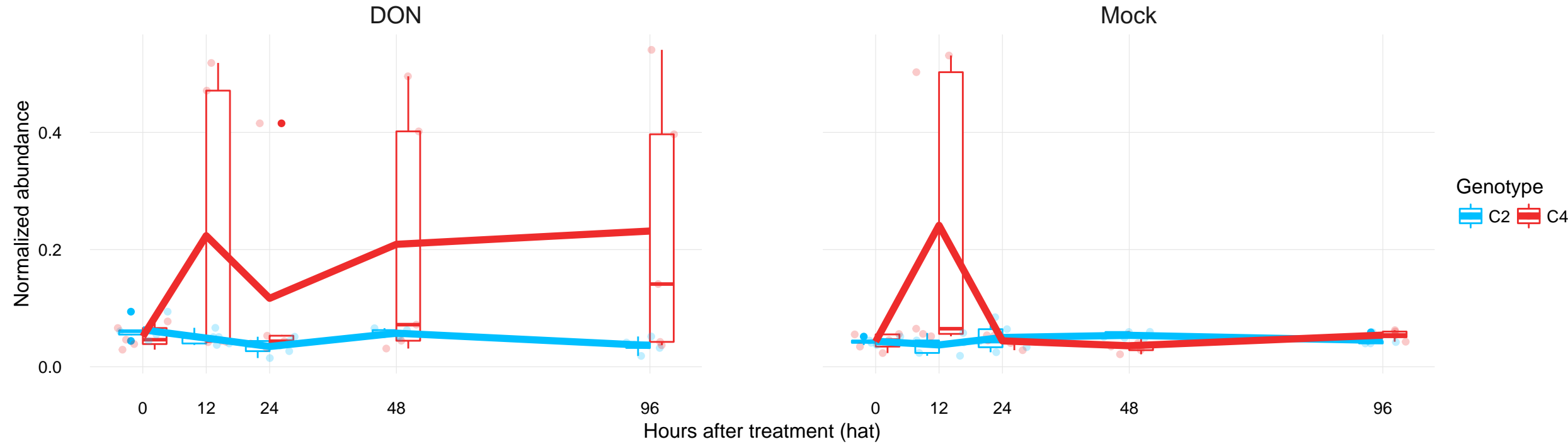
Annotated as others (Phenol)  
(1 database hit)

MZ	127.039
RT	4.18 min
Normalization	Not normalized
Cluster	–
Cn total / Phe	6 /

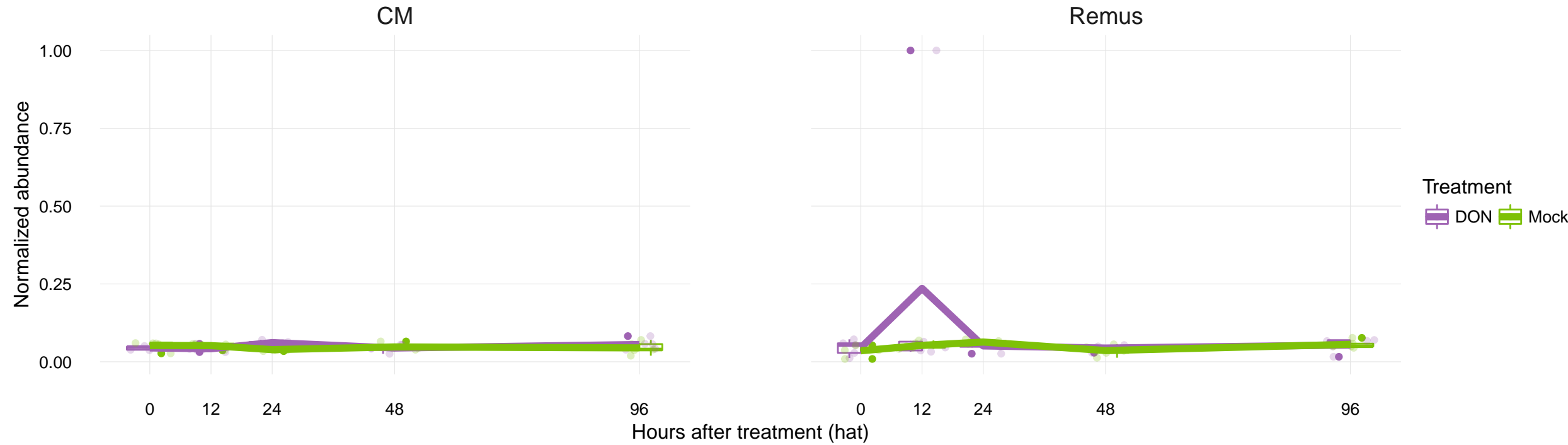
## C2, C4; different treatments



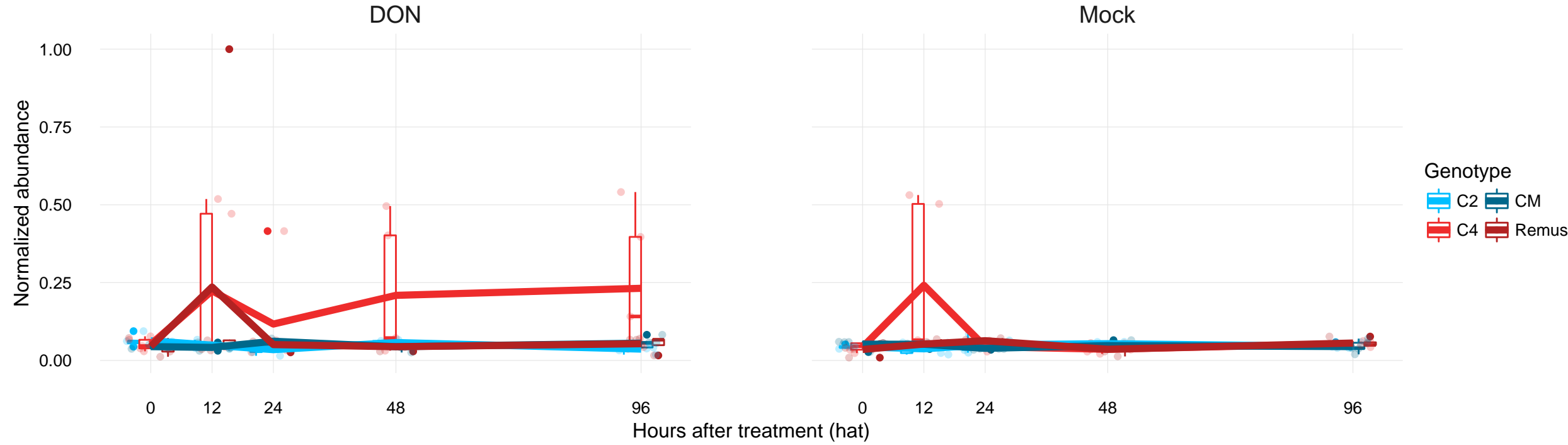
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

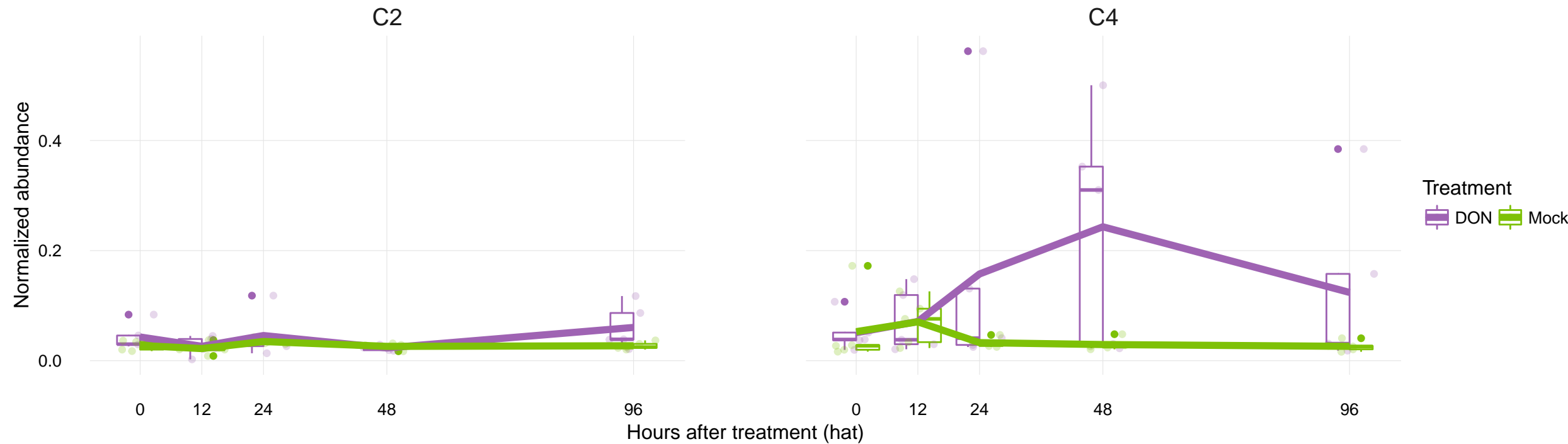


# A.17

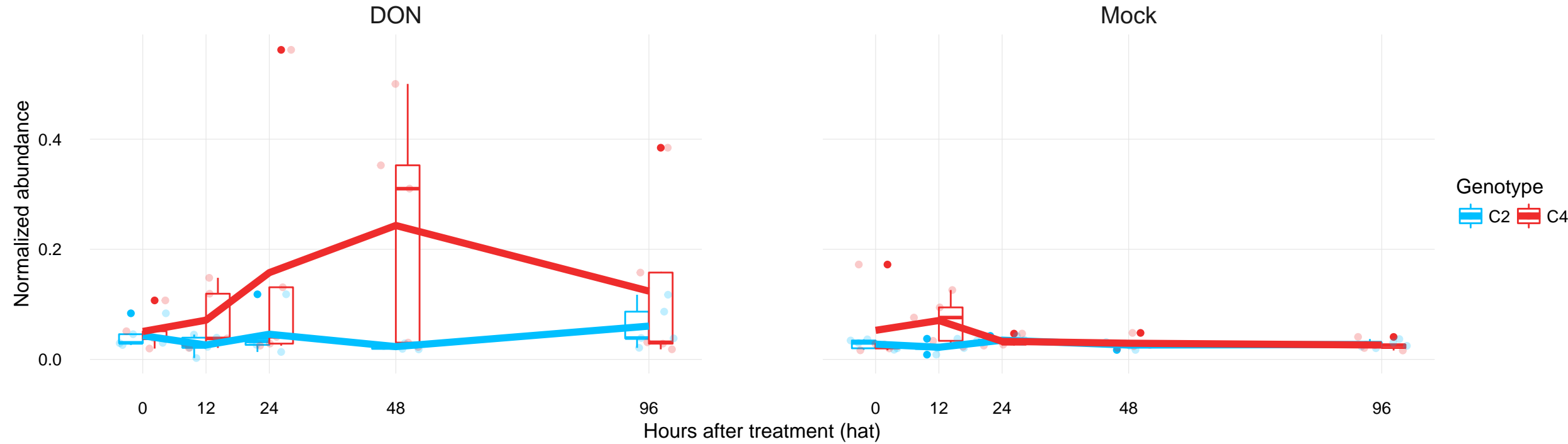
Annotated as HCA derivative  
(1 database hit)

MZ	335.1103
RT	7.29 min
Normalization	Directly via KPX samples
Cluster	–
Cn total / Phe	15 /

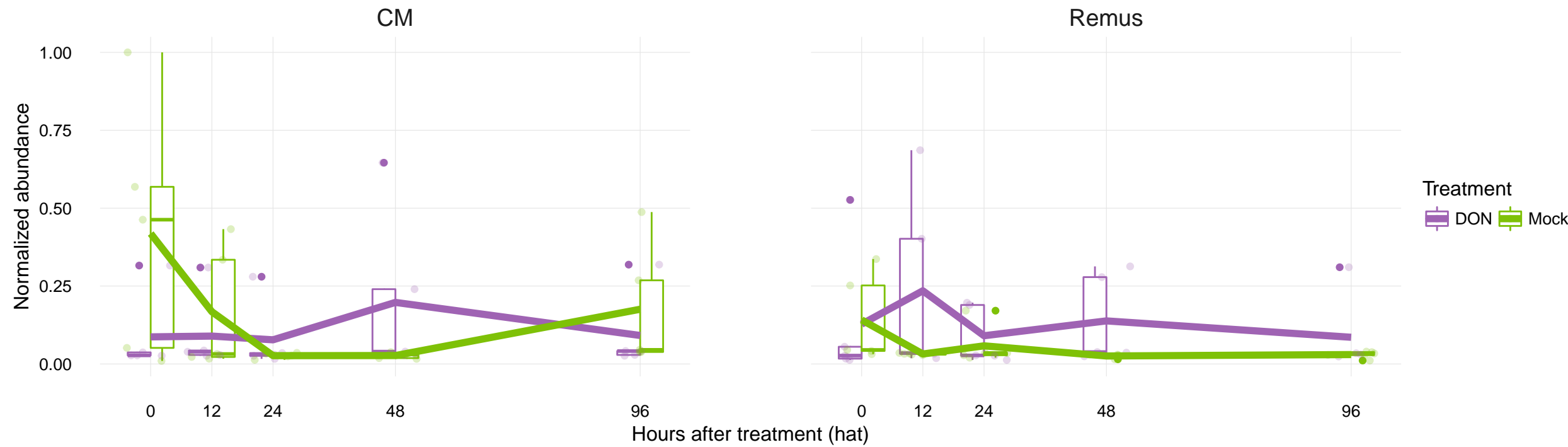
## C2, C4; different treatments



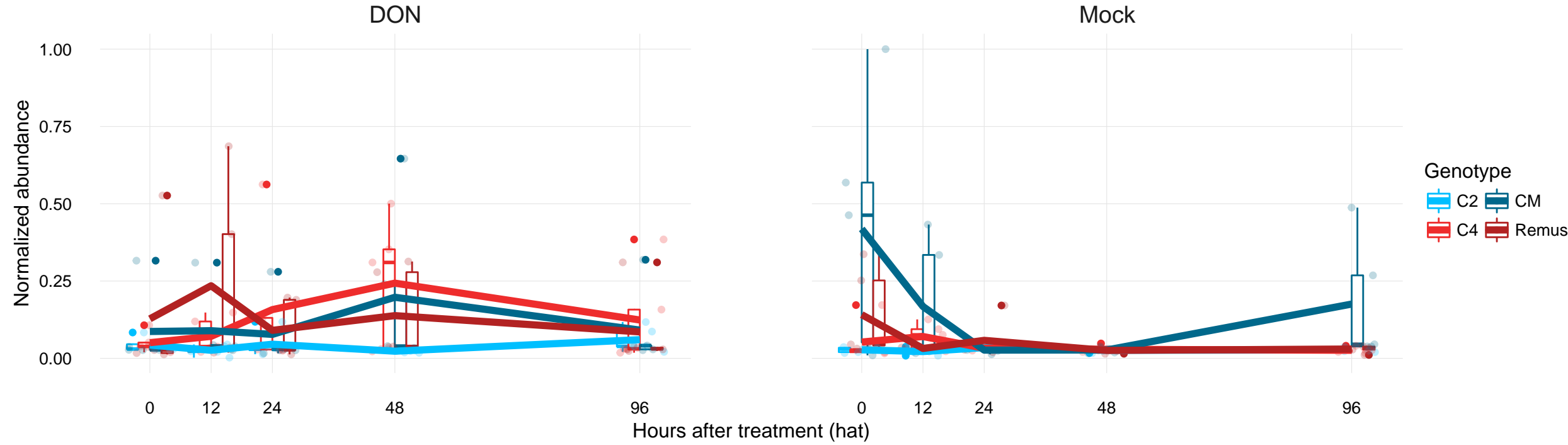
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



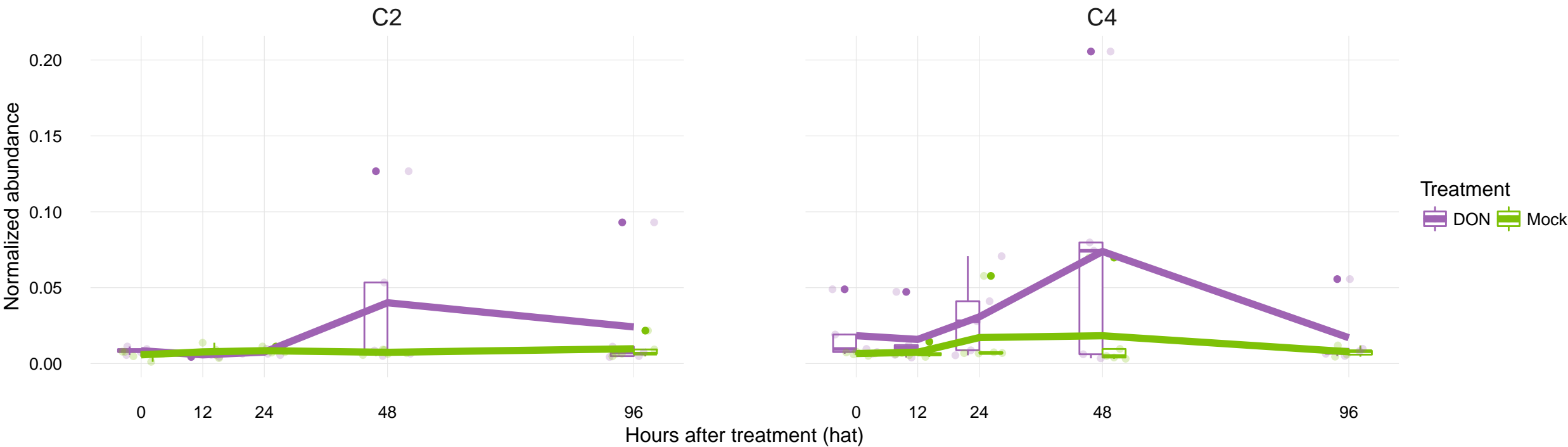


# A.112

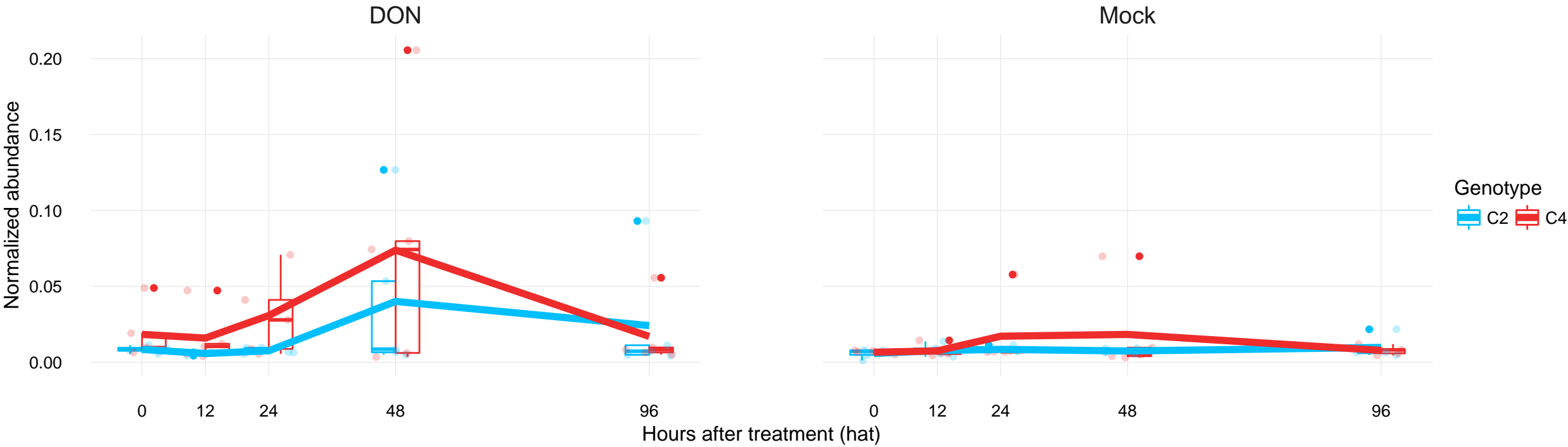
Annotated as Lignan  
(1 database hit)

MZ	549.2118
RT	17.96 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	—
Cn total / Phe	31 / 18

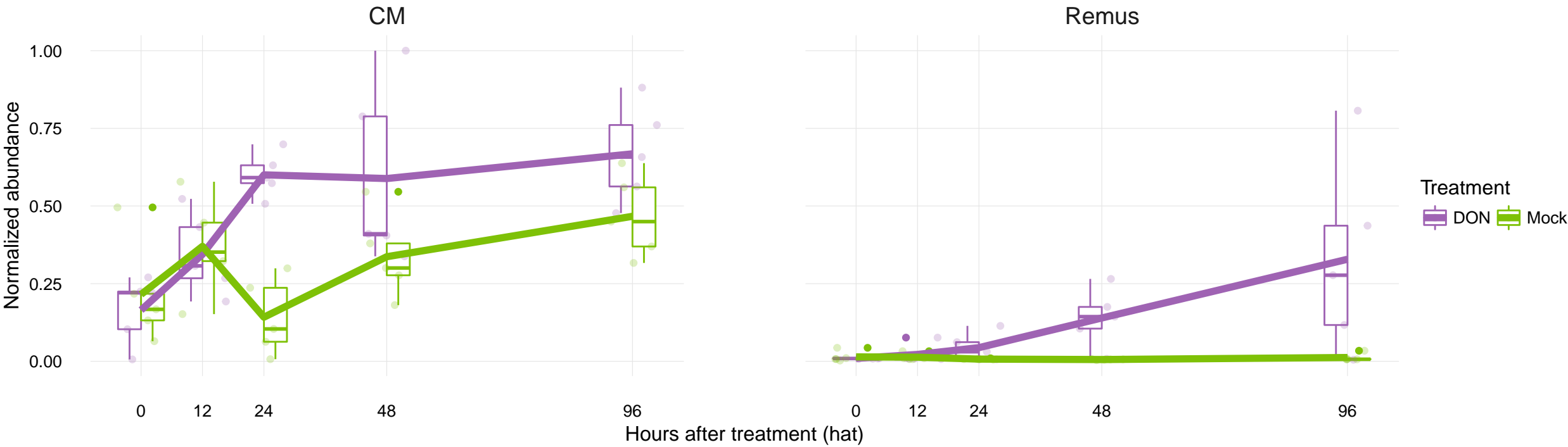
## C2, C4; different treatments



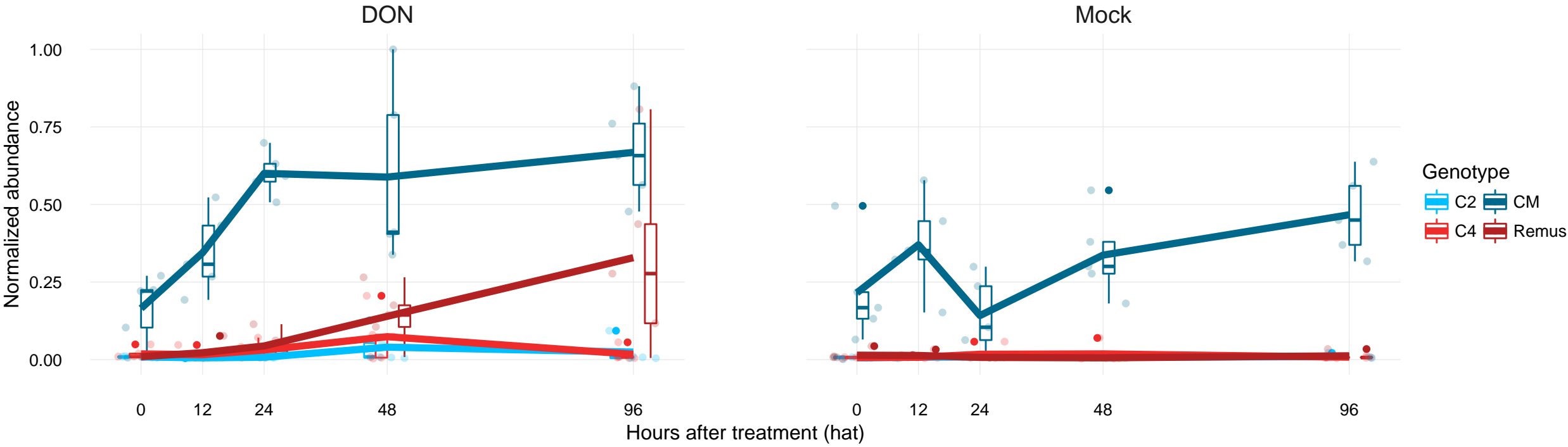
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

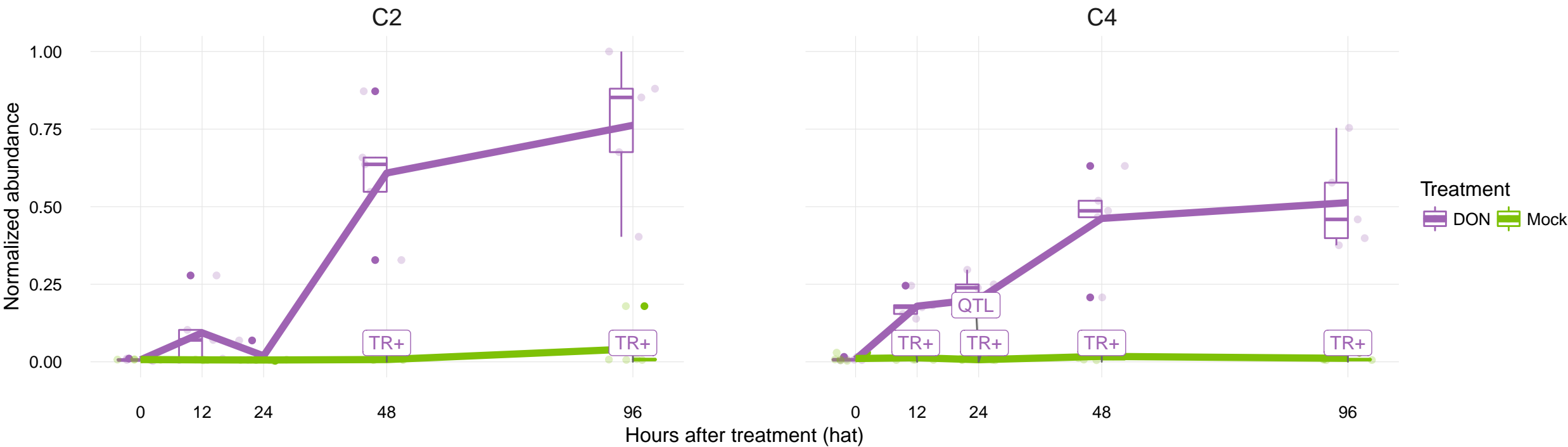


# A.54

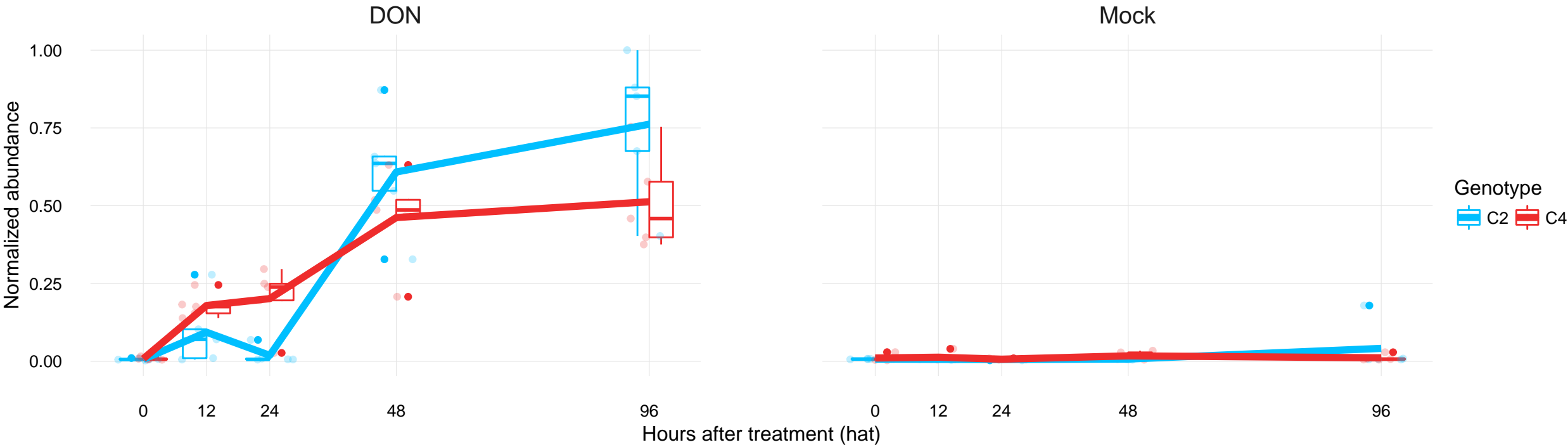
Annotated as HCA derivative  
(1 database hit)

MZ	369.1181
RT	12.26 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 3
Cn total / Phe	17 / 9

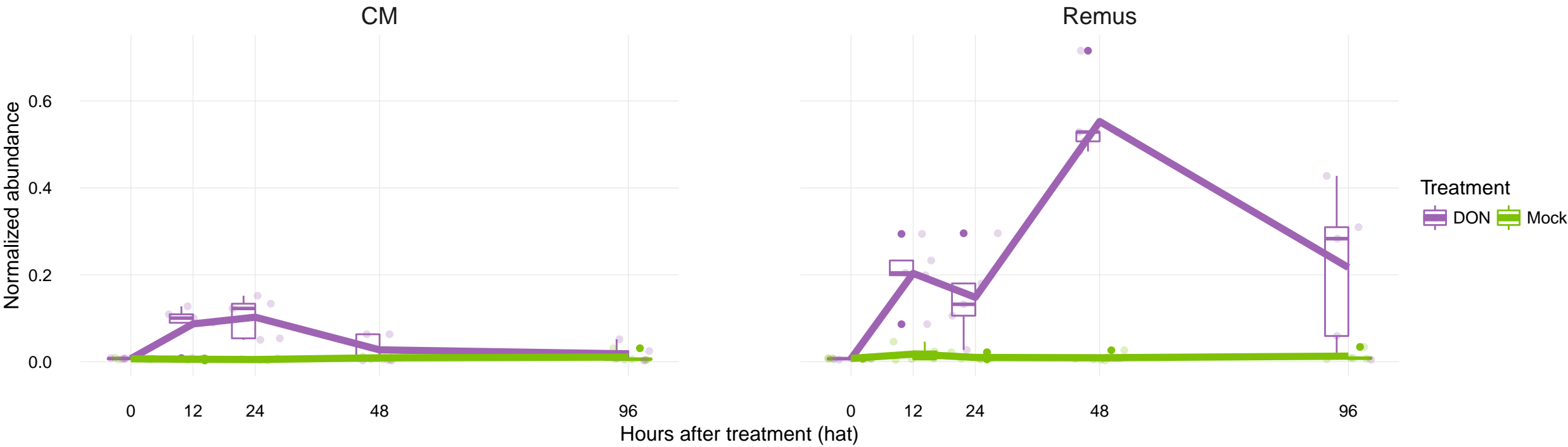
## C2, C4; different treatments



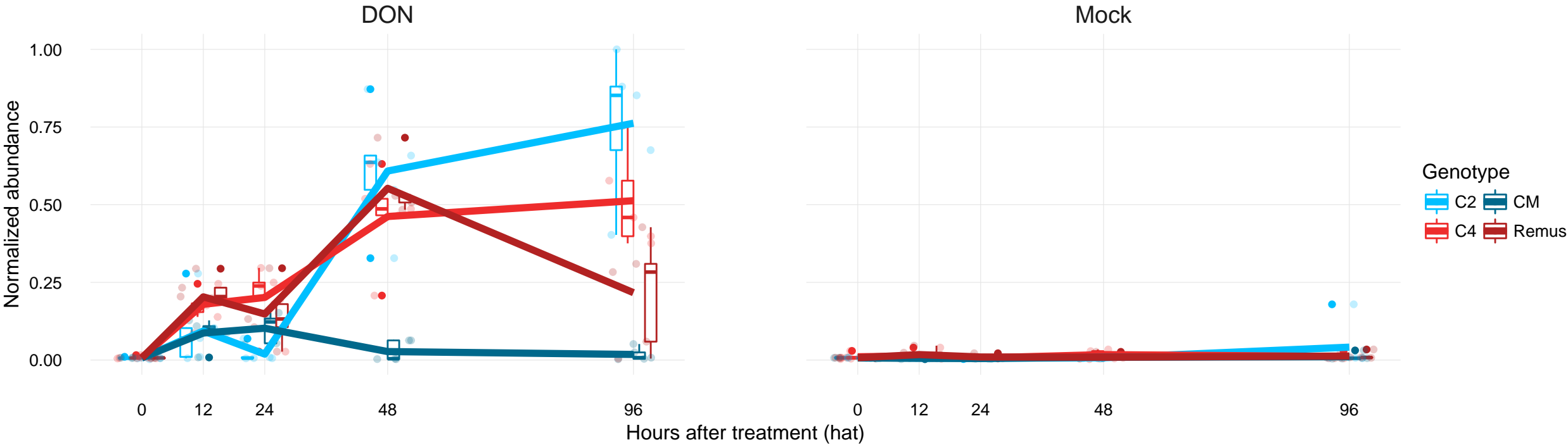
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

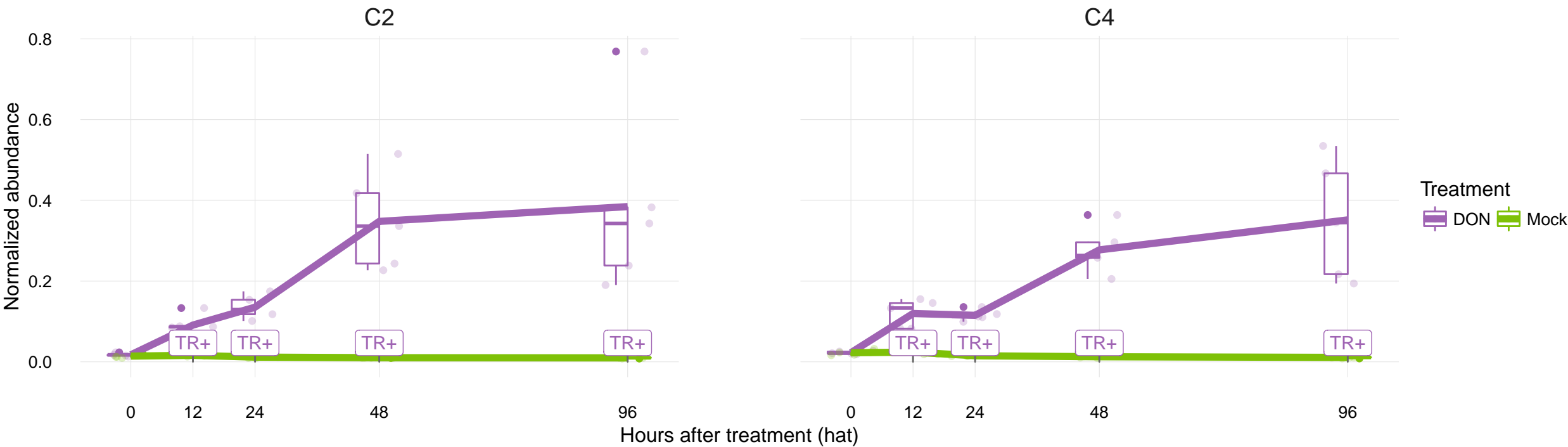


# A.32

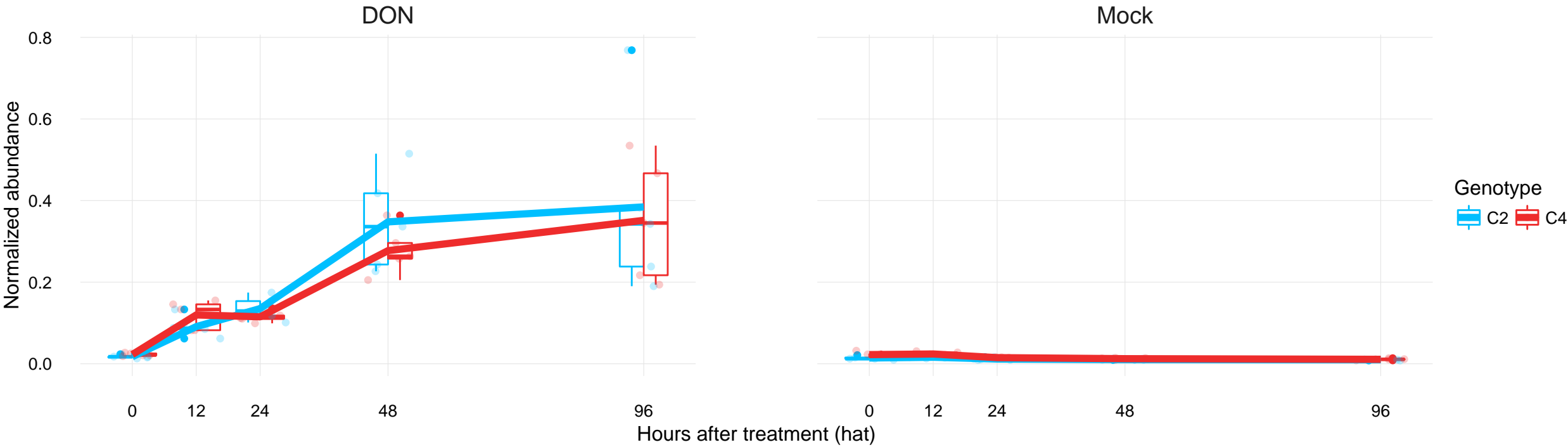
Annotated as HCA derivative  
(1 database hit)

MZ	391.1005
RT	9.63 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	9 / 9

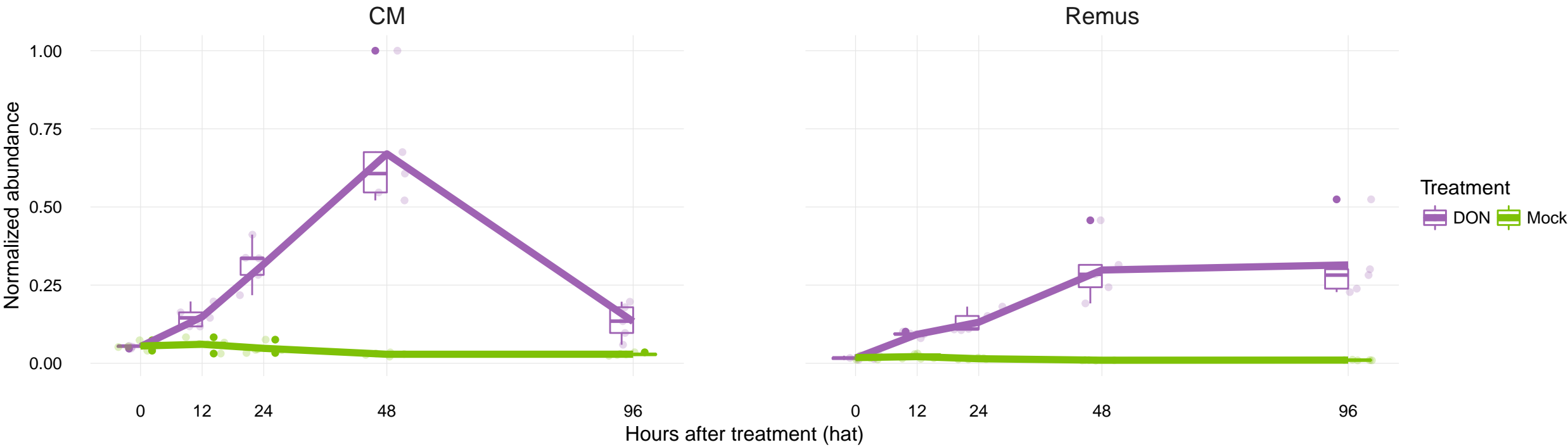
## C2, C4; different treatments



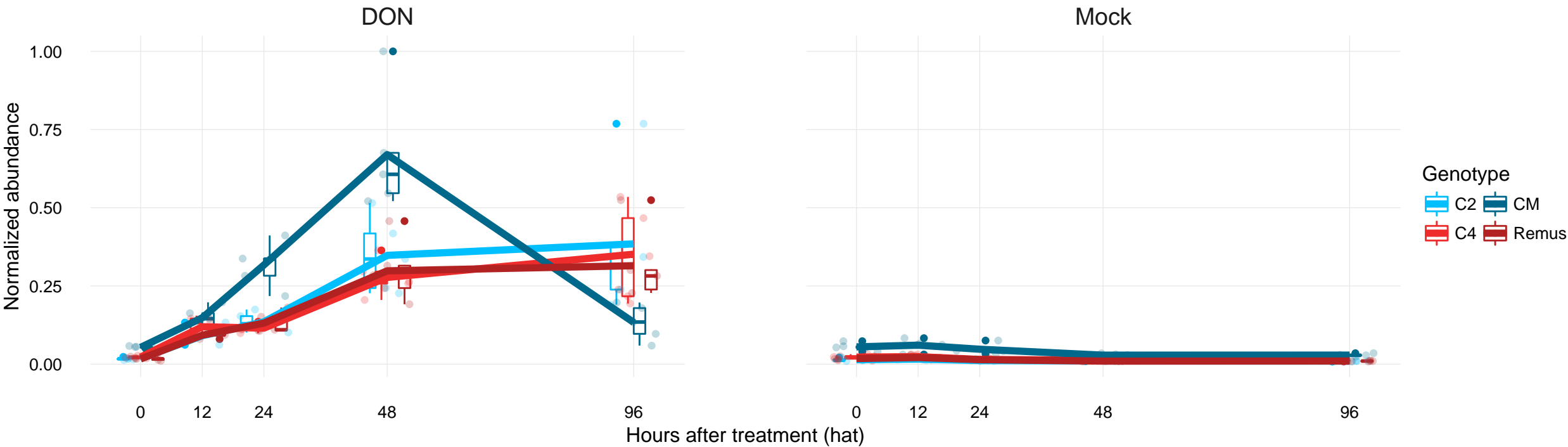
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

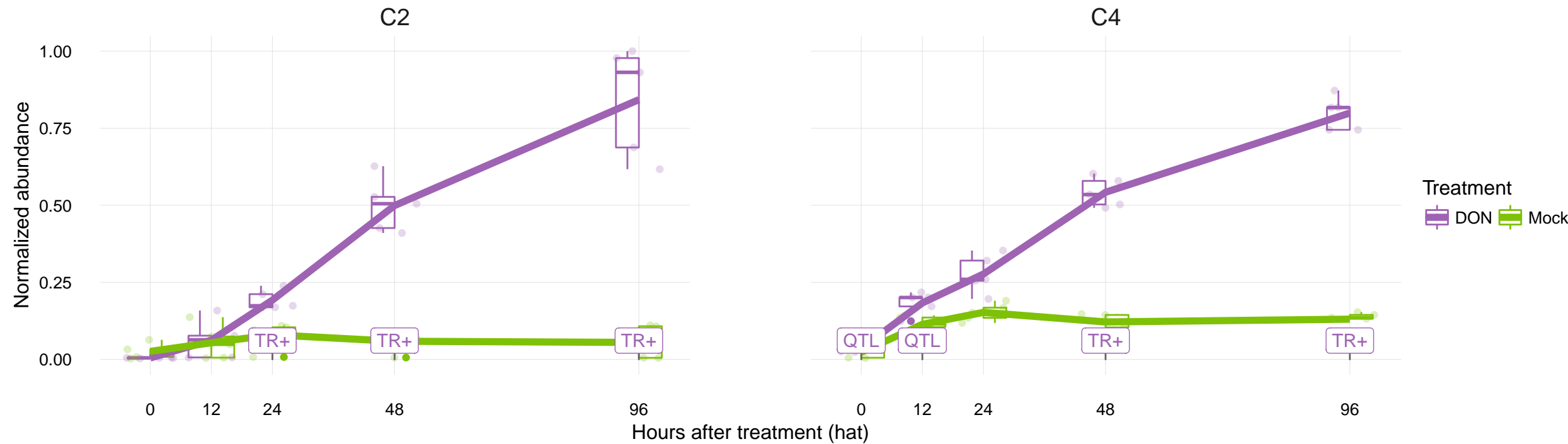


# A.35

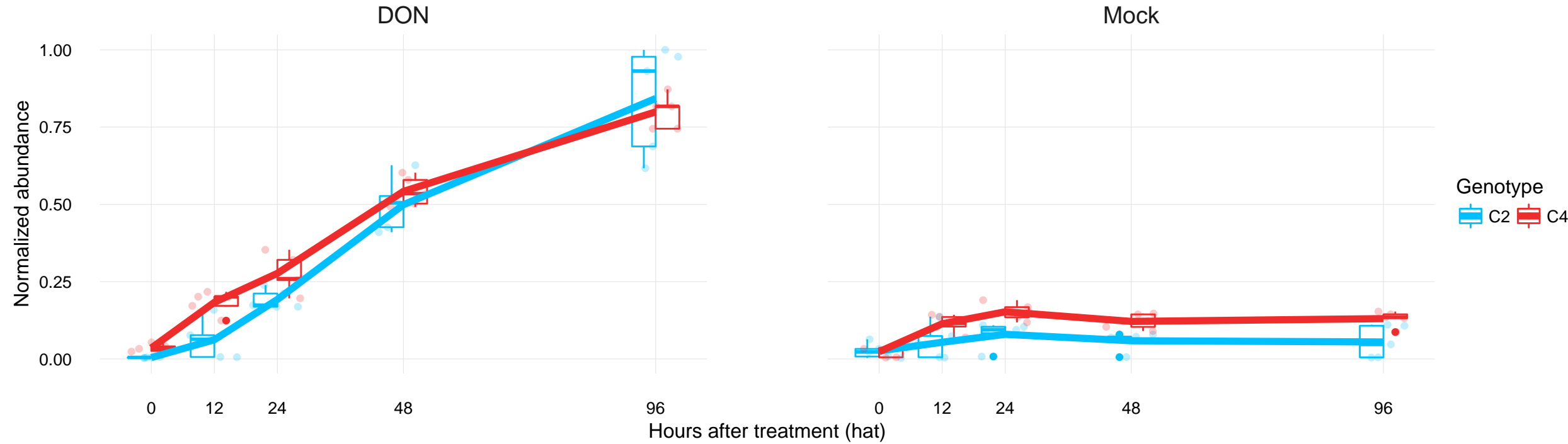
Annotated as others (dipeptide)  
(1 database hit)

MZ	295.1289
RT	10.22 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	14 / 9

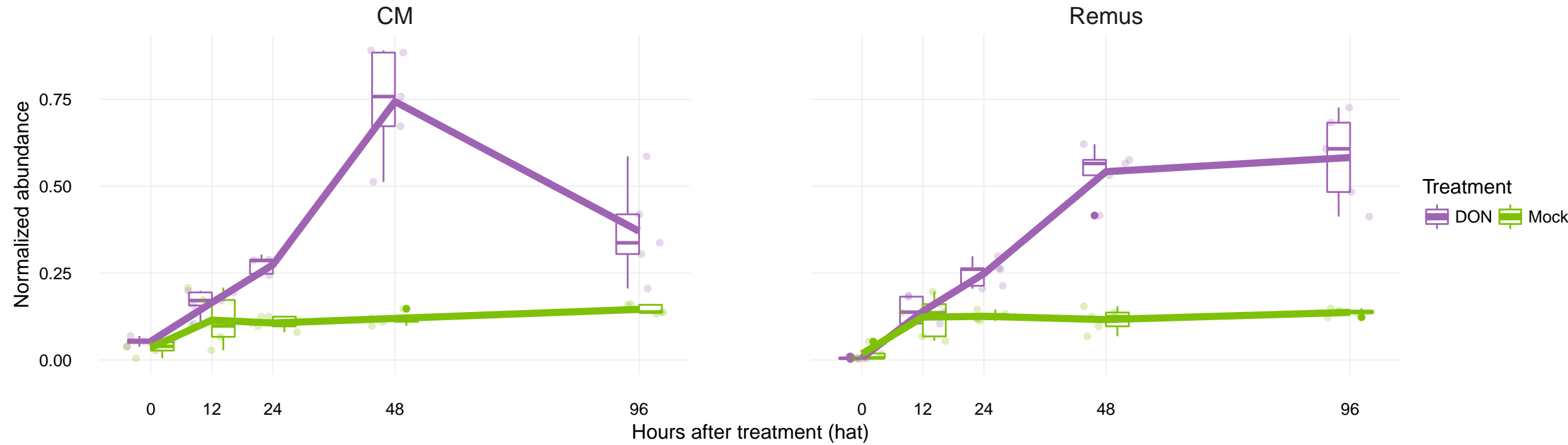
## C2, C4; different treatments



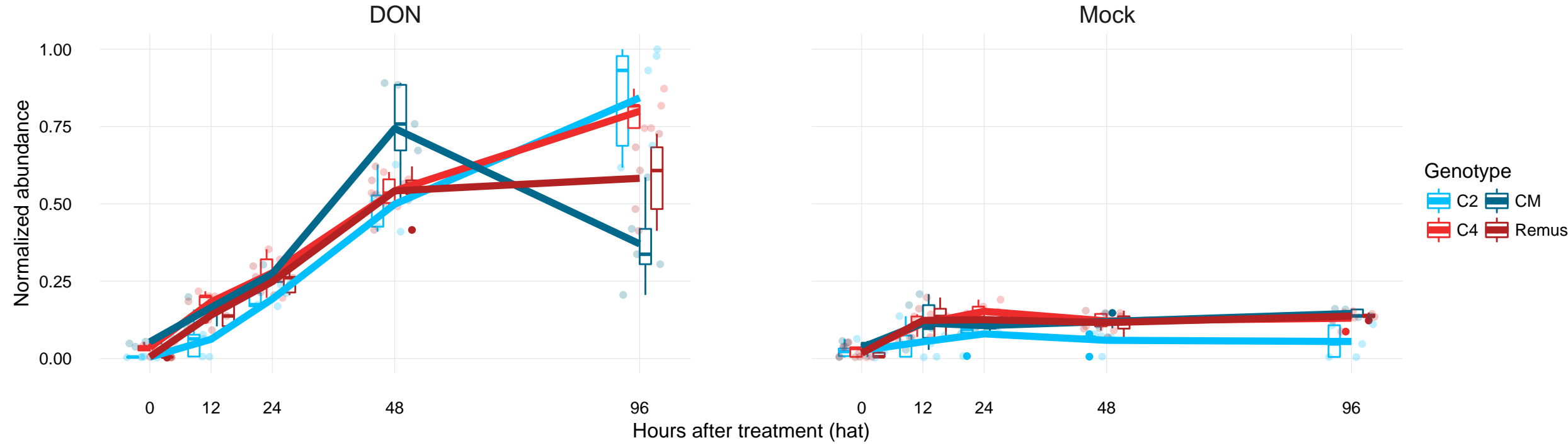
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

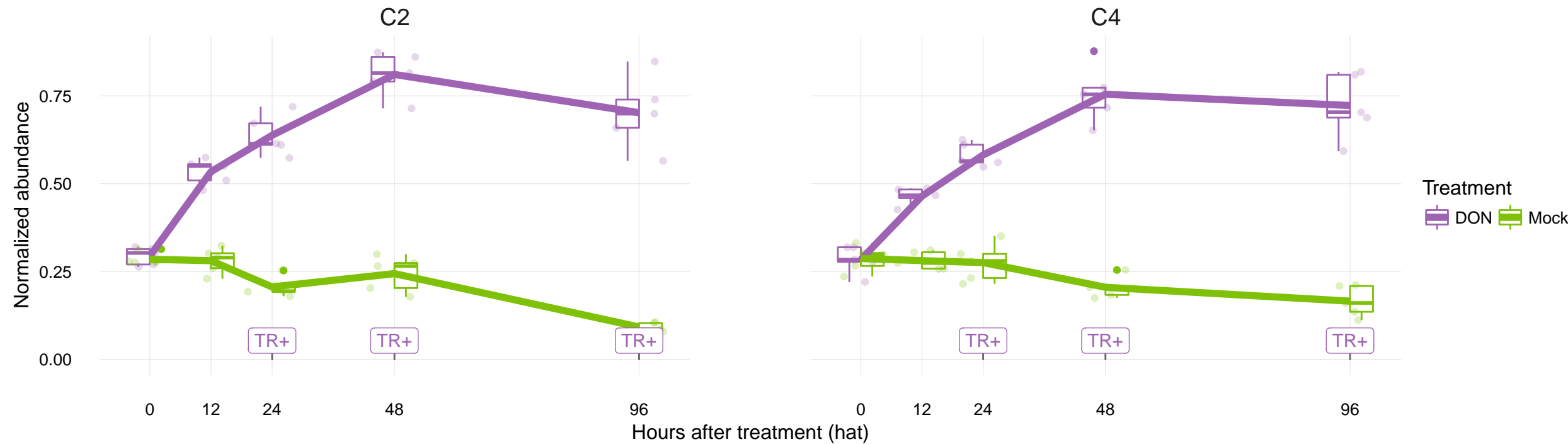


# A.40

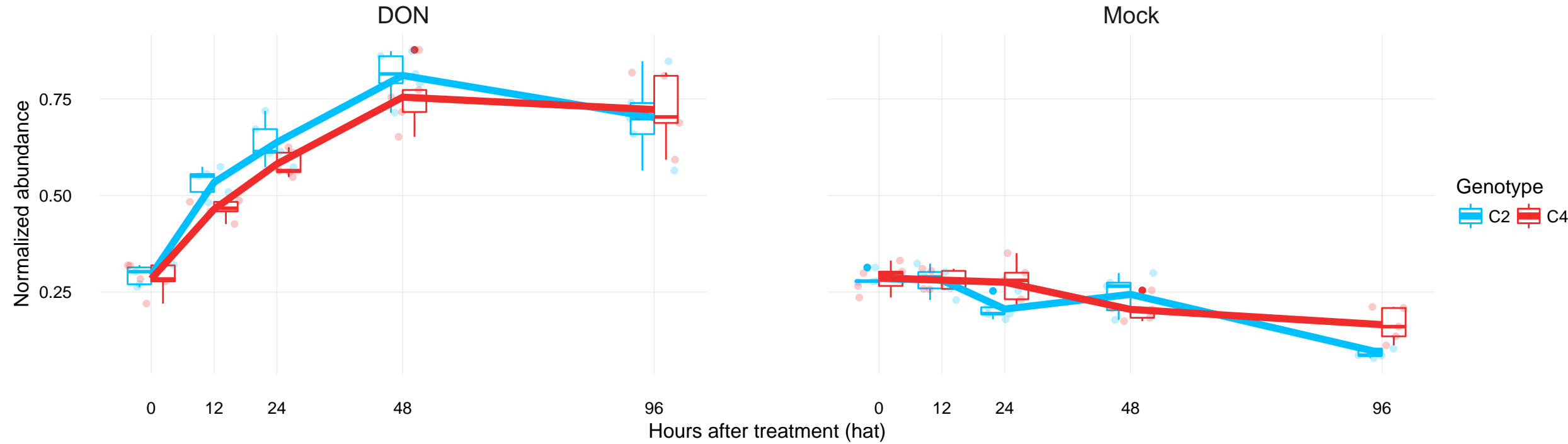
Annotated as HCA derivative  
(1 database hit)

MZ	379.1009
RT	10.36 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	9 / 9

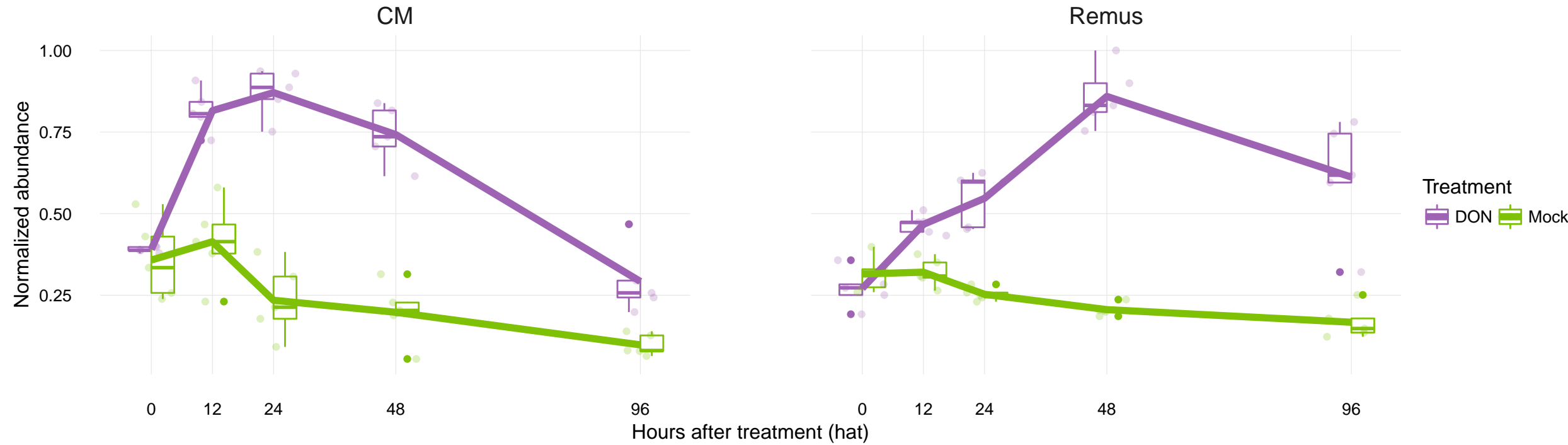
## C2, C4; different treatments



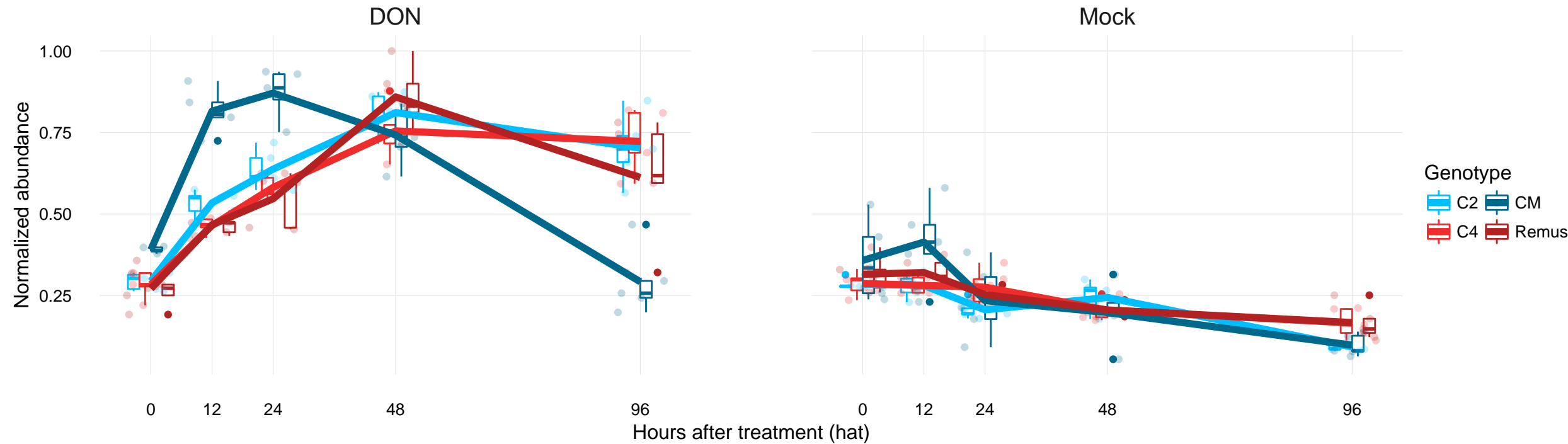
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

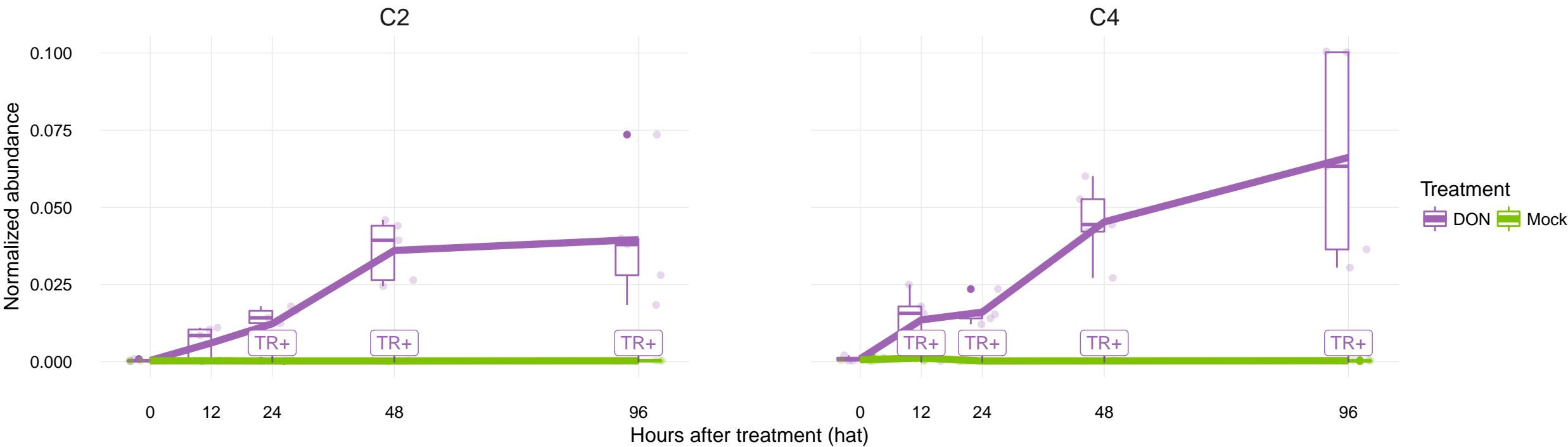


# A.30

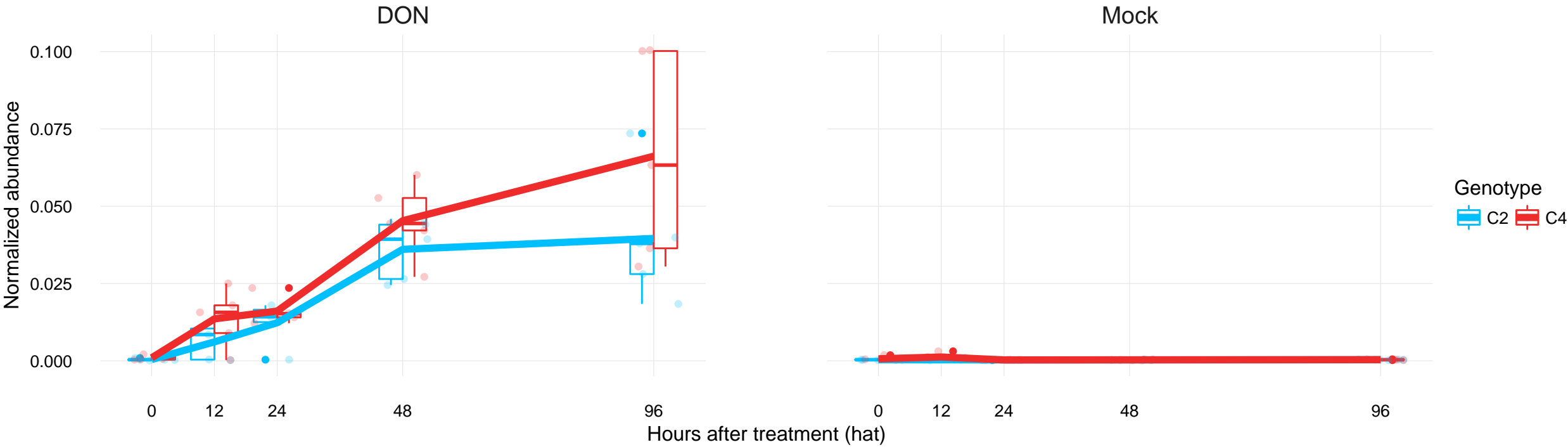
Annotated as HCA derivative  
(1 database hit)

MZ	369.1183
RT	9.54 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 3
Cn total / Phe	17 / 9

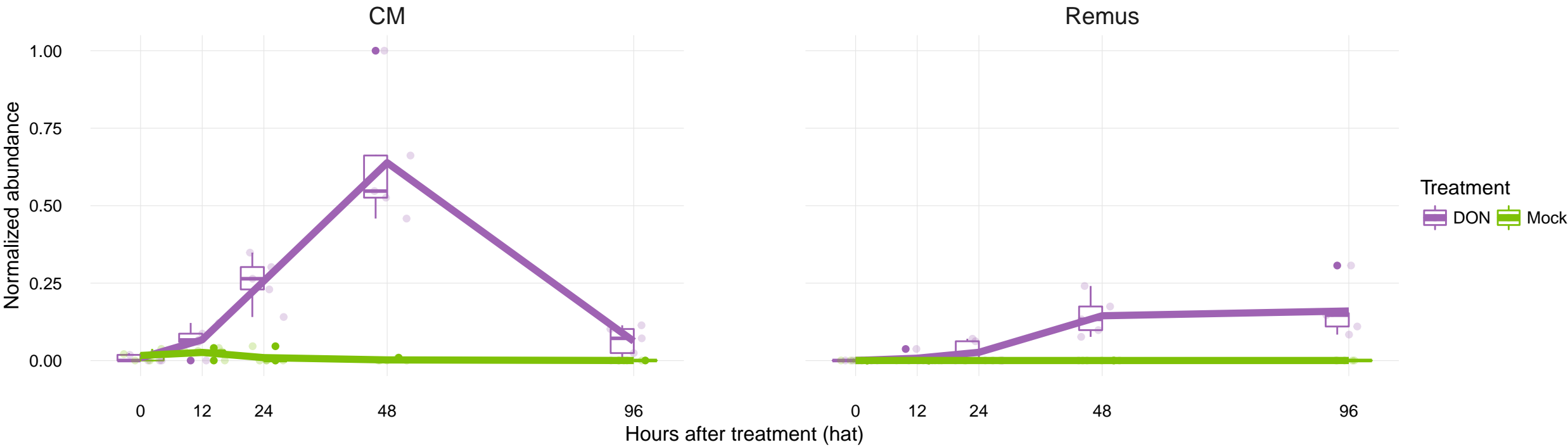
## C2, C4; different treatments



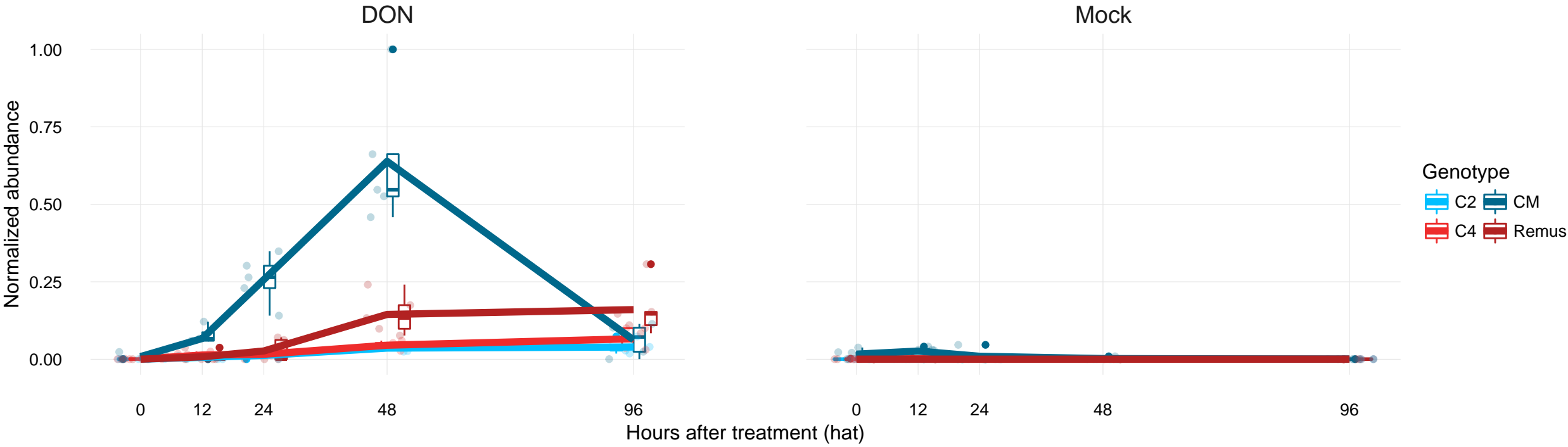
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

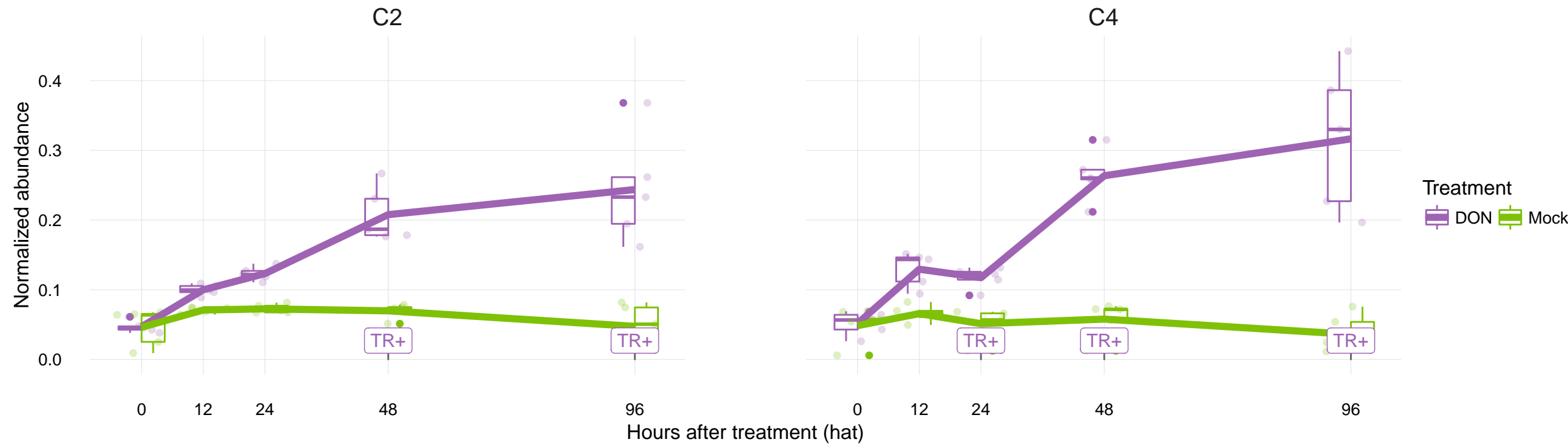


# A.29

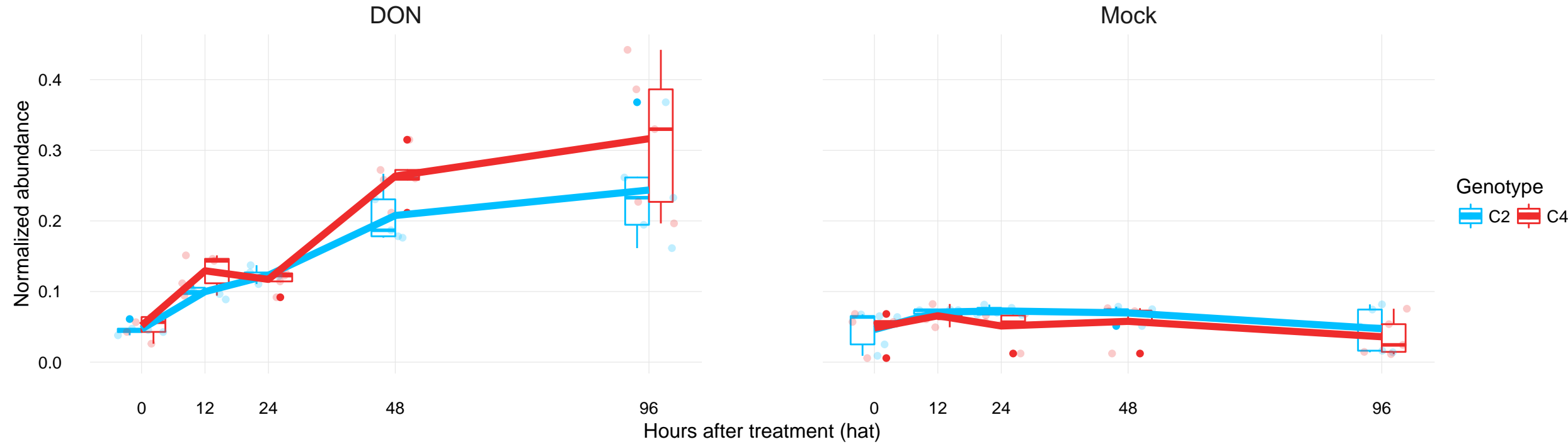
Annotated as HCA derivative  
(3 database hits)

MZ	195.0653
RT	9.51 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	10 /

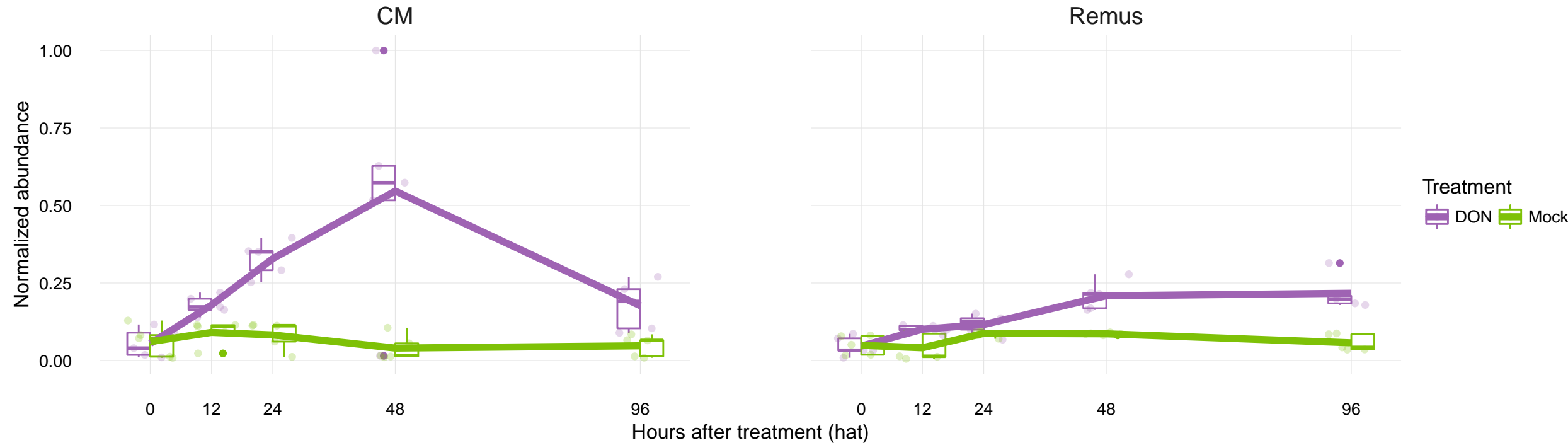
## C2, C4; different treatments



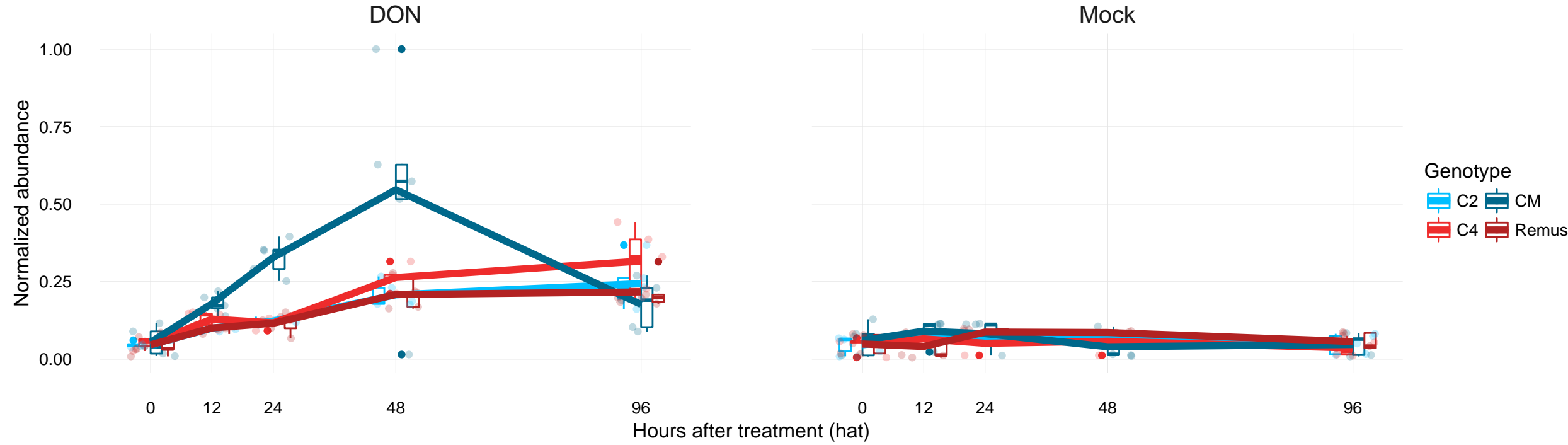
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



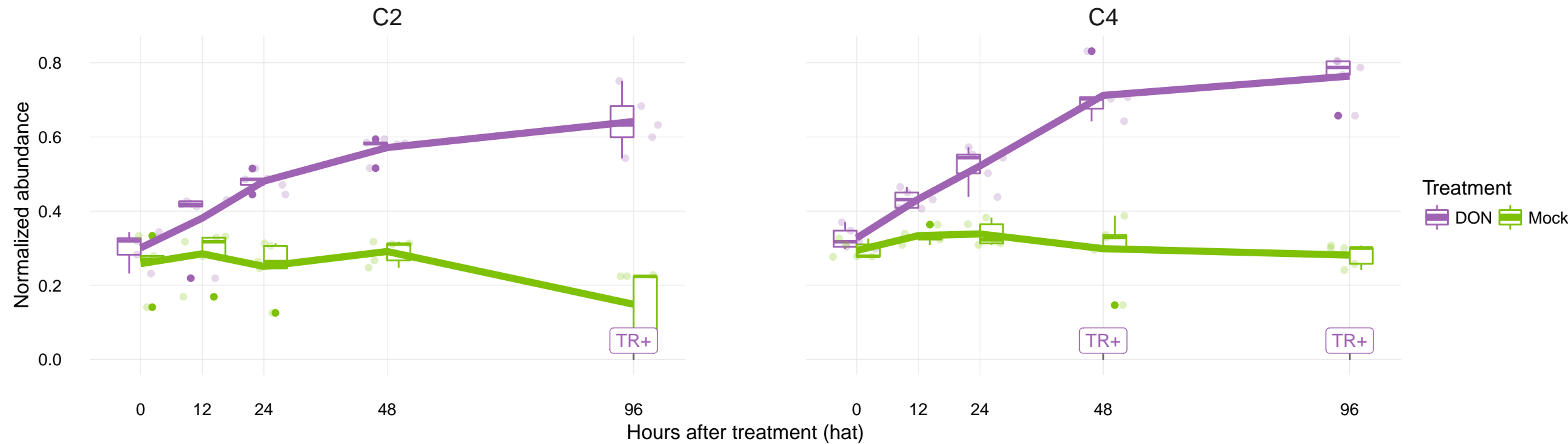


# A.38

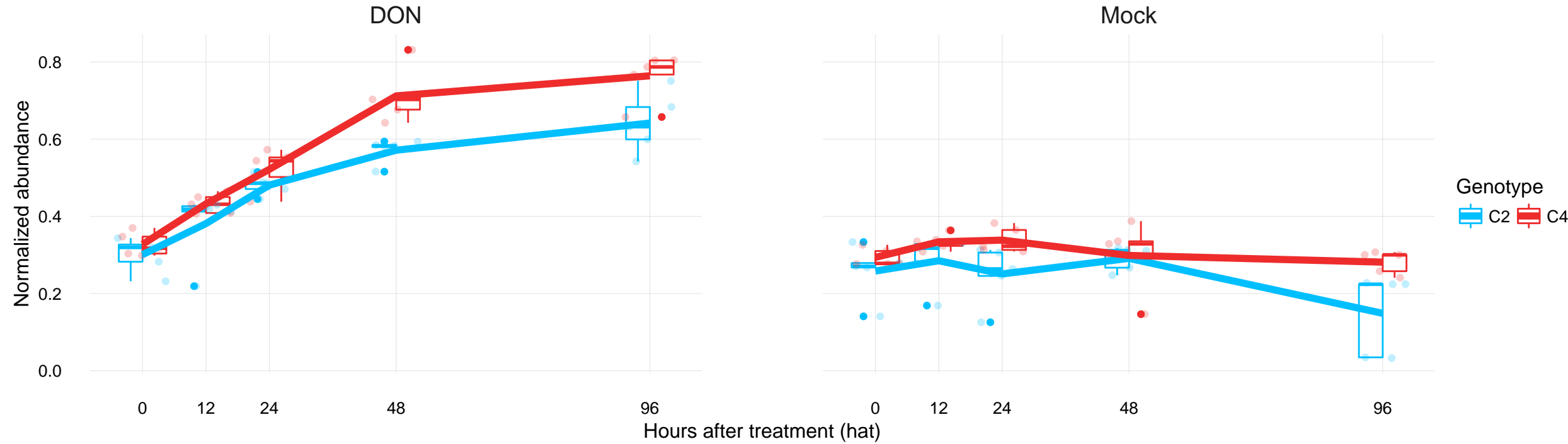
Annotated as HCA derivative  
(3 database hits)

MZ	195.0653
RT	10.29 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	10 / 9

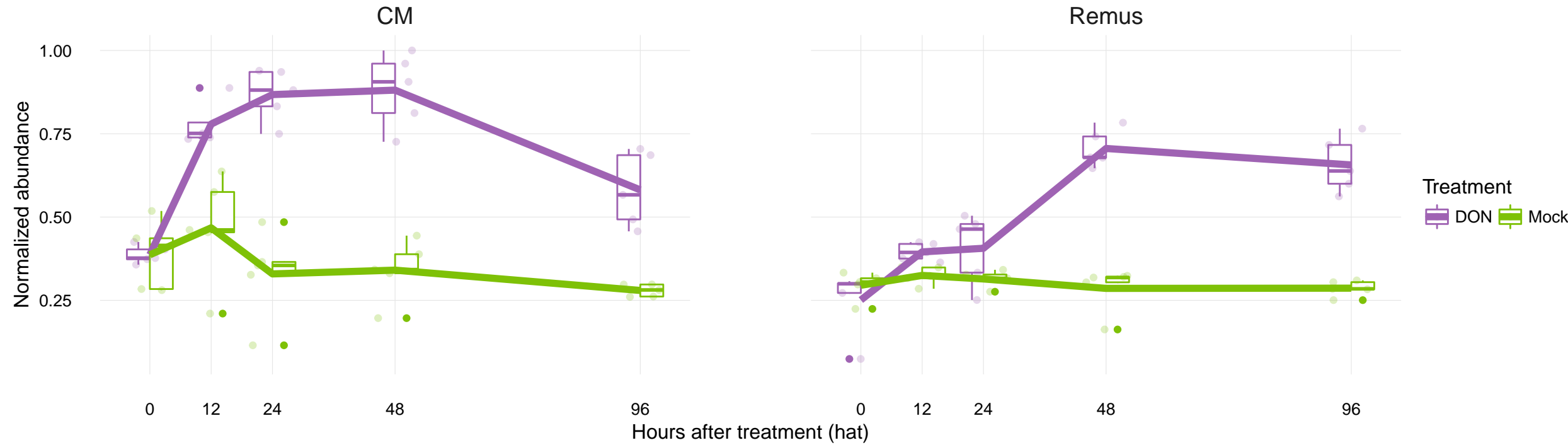
## C2, C4; different treatments



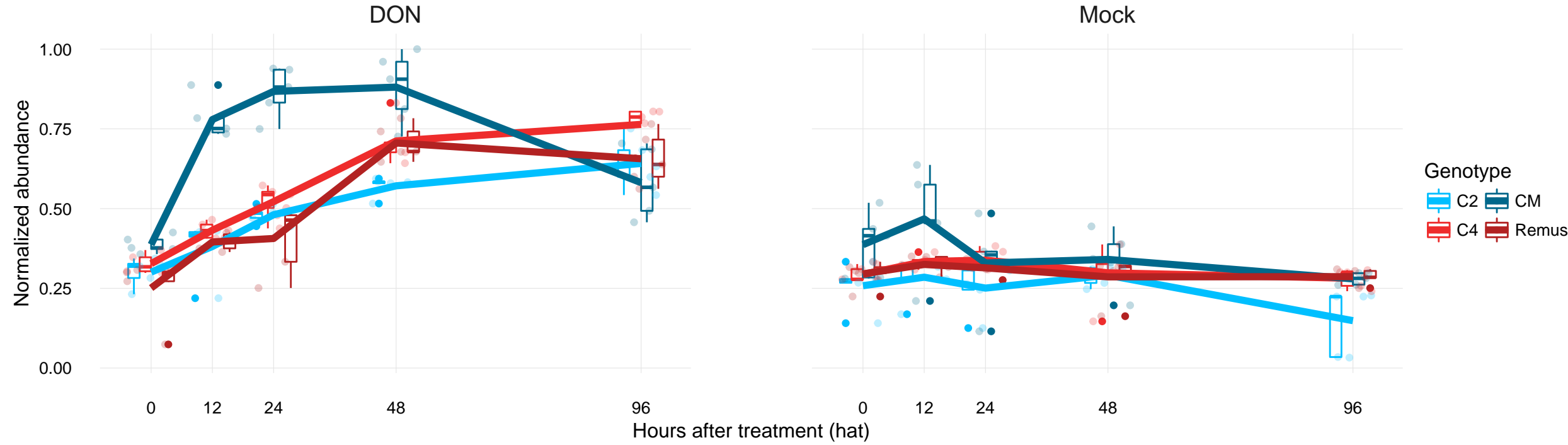
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

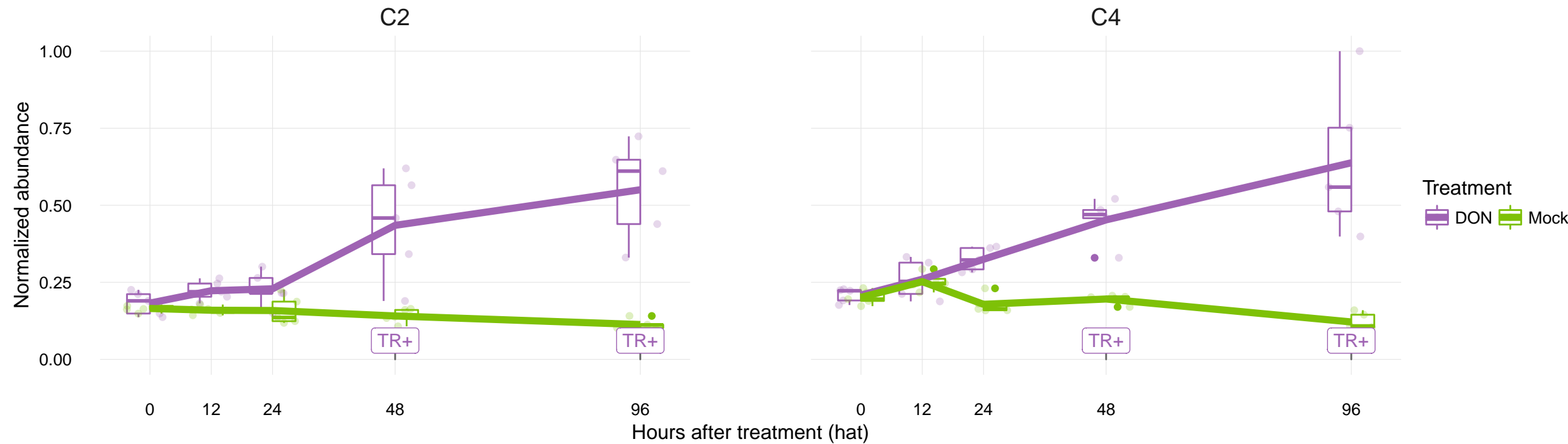


# A.60

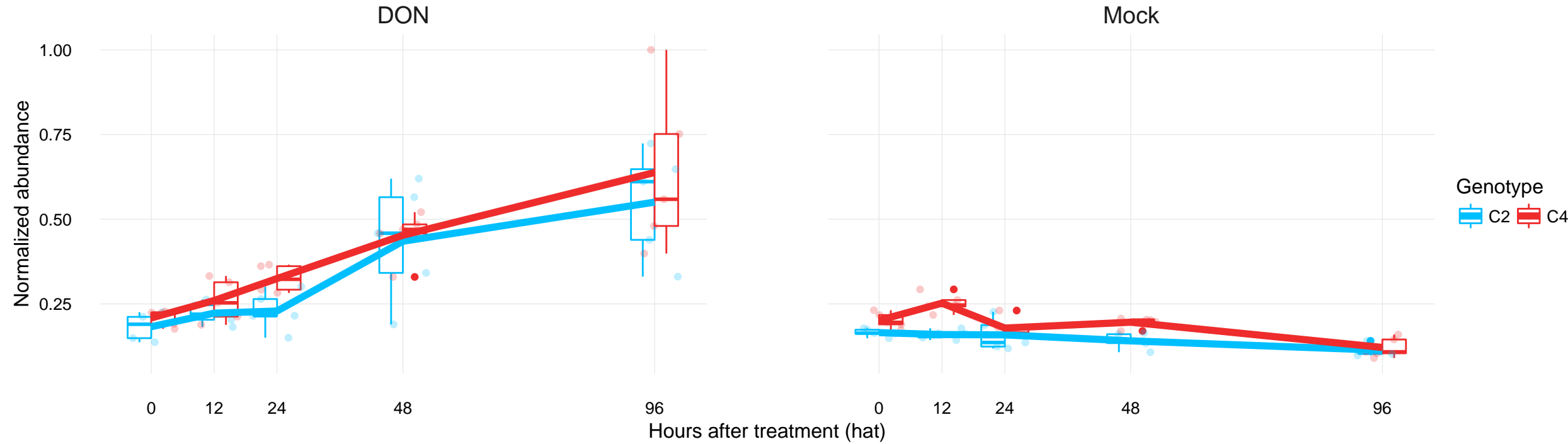
Annotated as Flavonoid or Lignan  
(10 database hits)

MZ	359.1489
RT	12.8 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	20 /

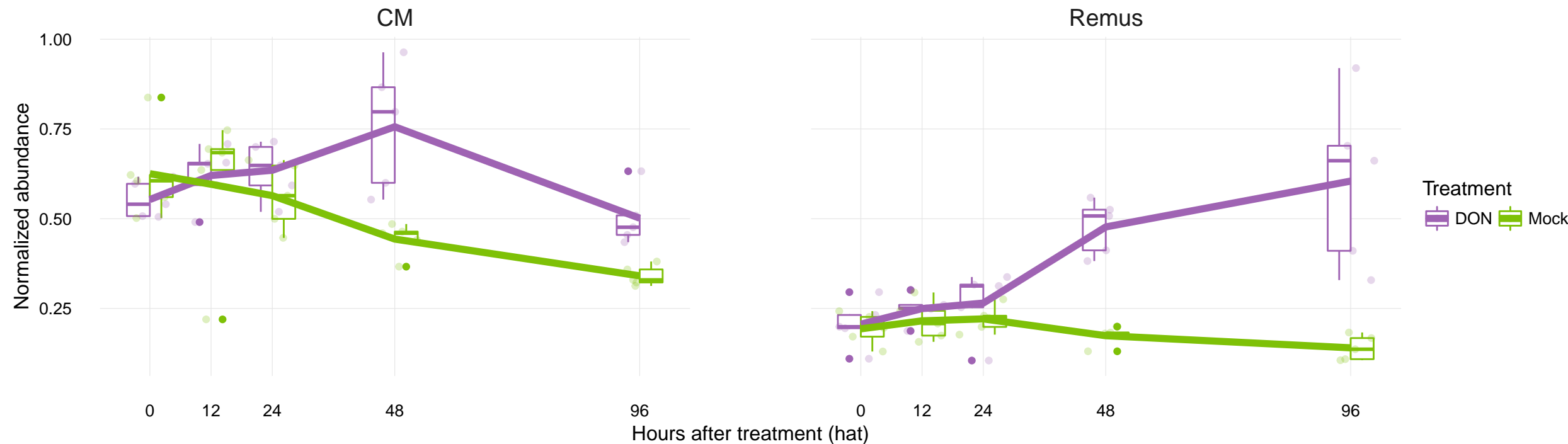
## C2, C4; different treatments



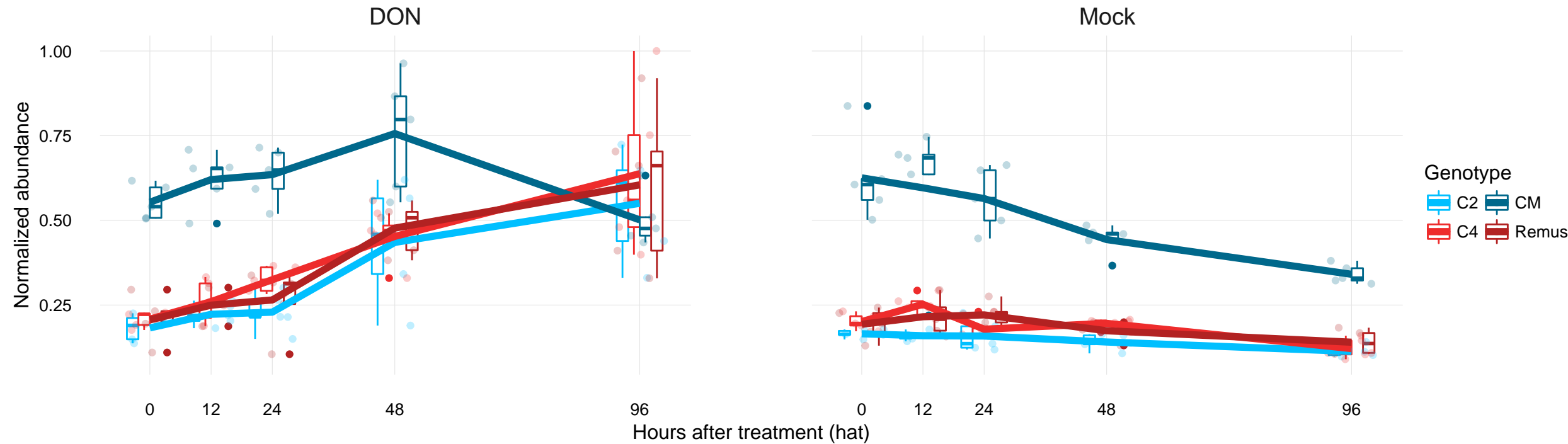
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

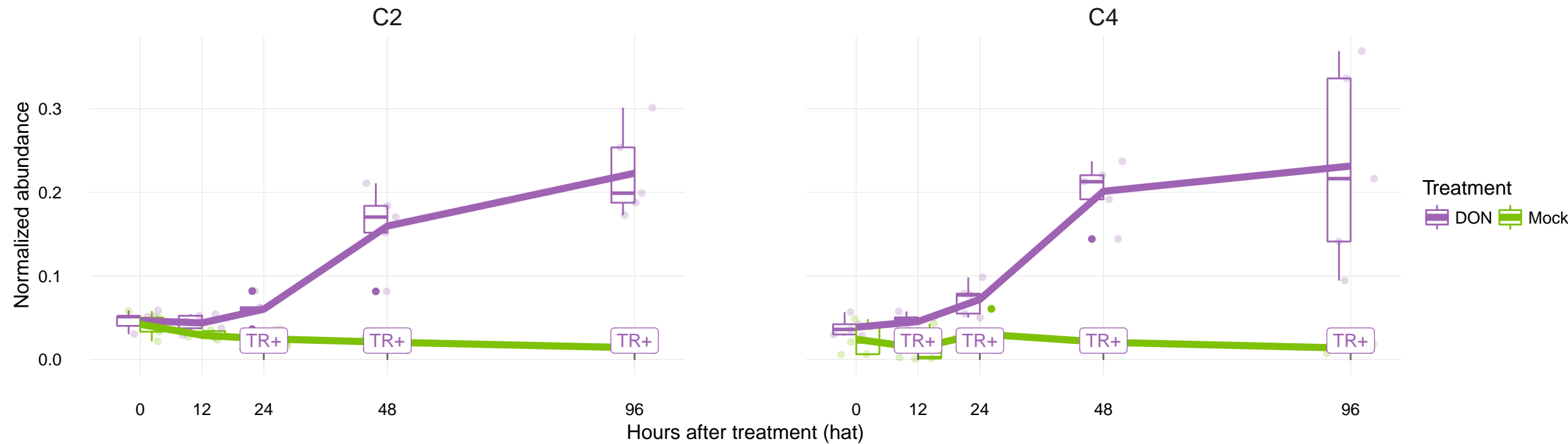


# A.23

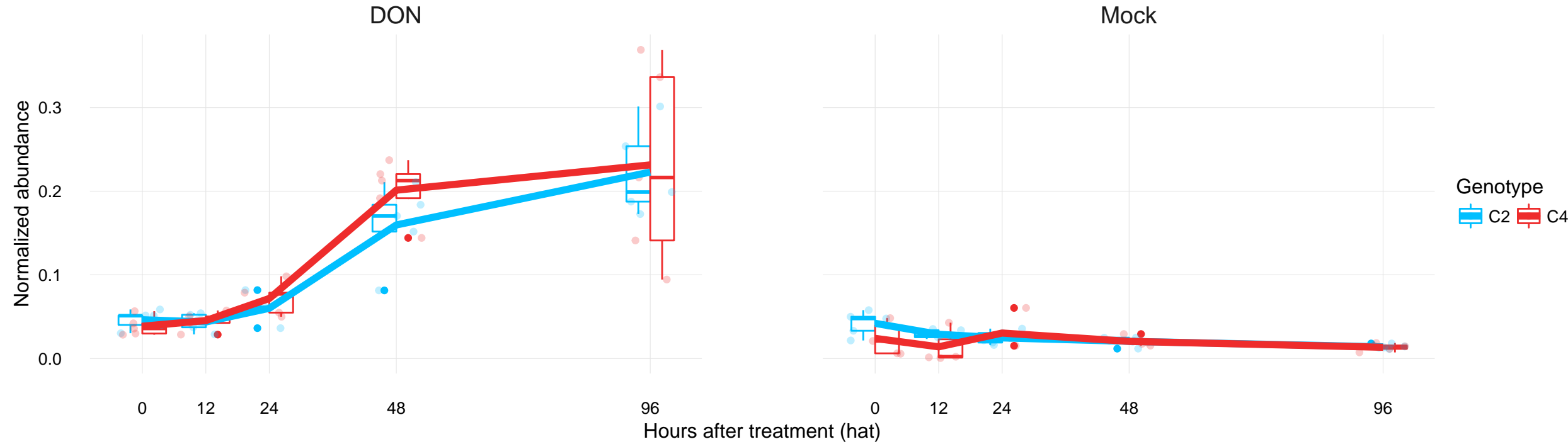
Annotated as HCA derivative  
(1 database hit)

MZ	365.1209
RT	8.71 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	16 /

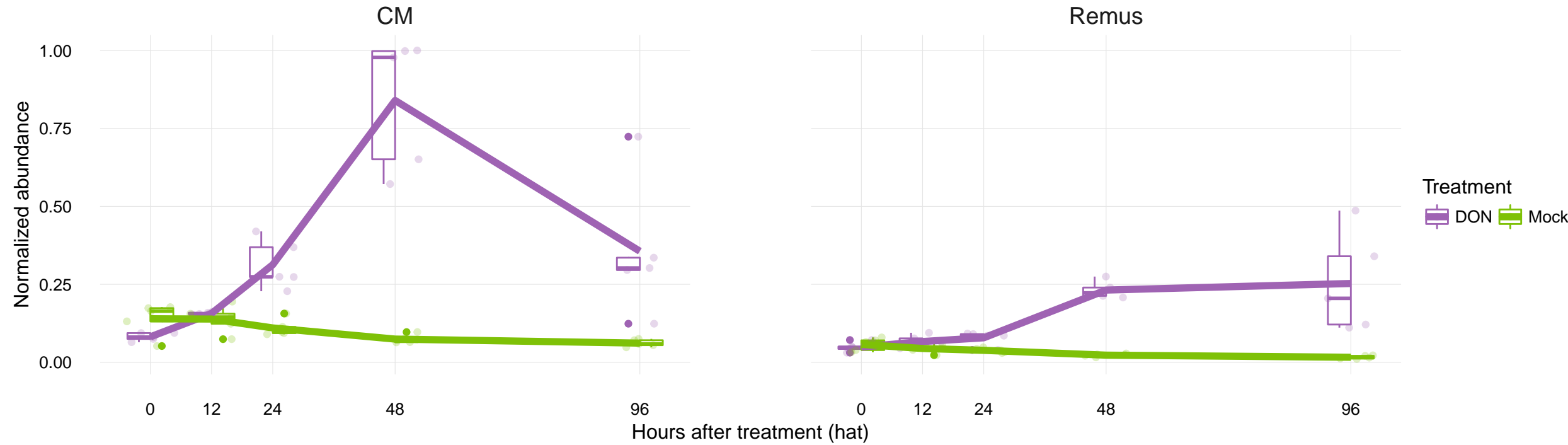
## C2, C4; different treatments



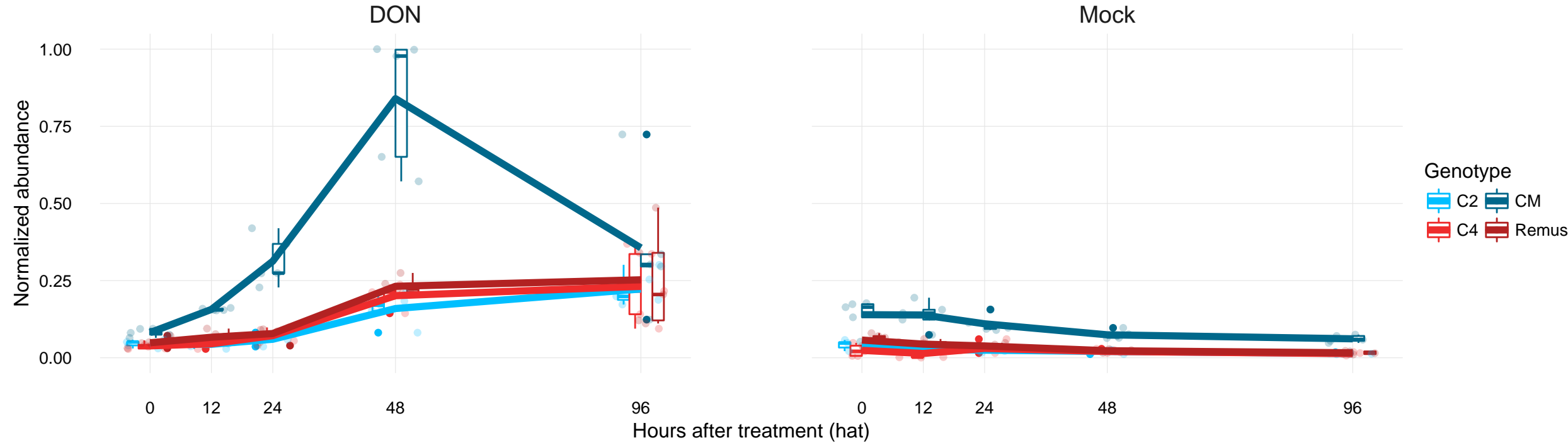
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

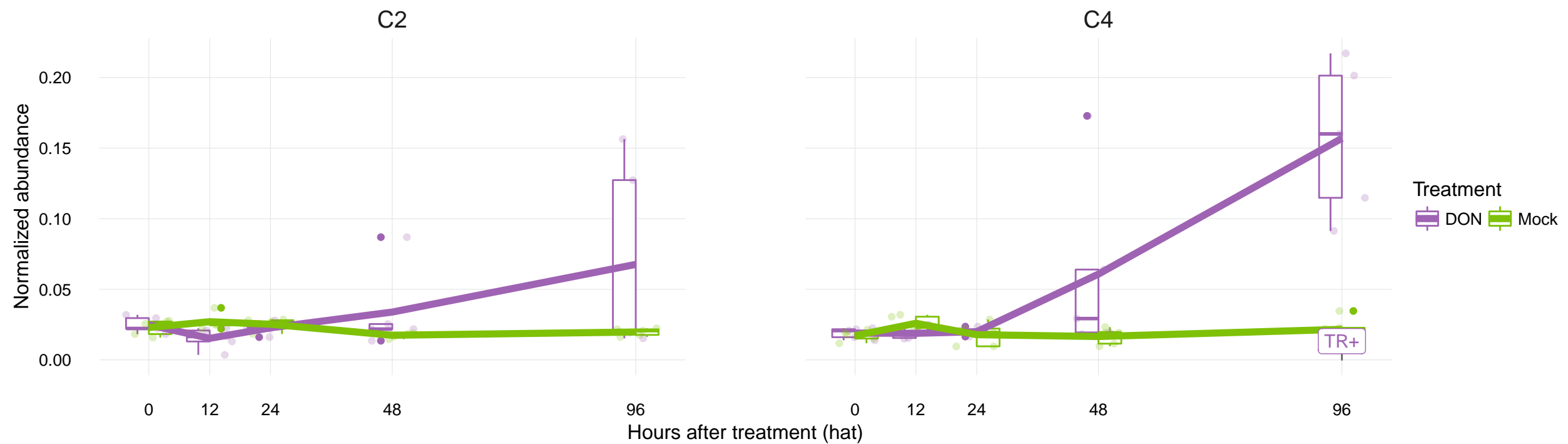


# A.122

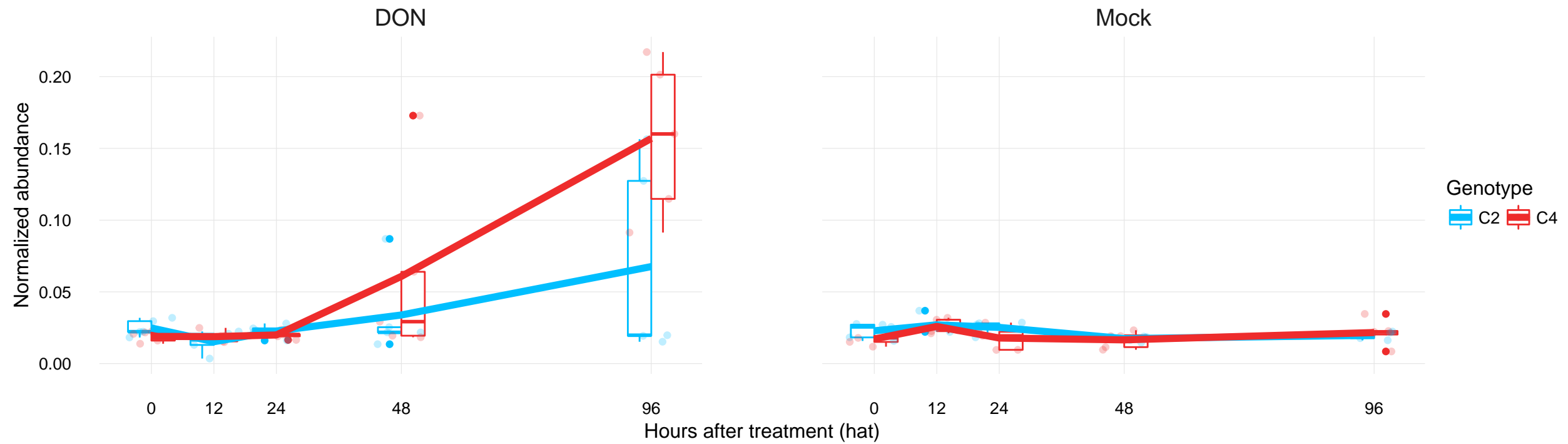
Annotated as HCA derivative  
(2 database hits)

MZ	838.2766
RT	19.76 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 3
Cn total / Phe	38 / 9

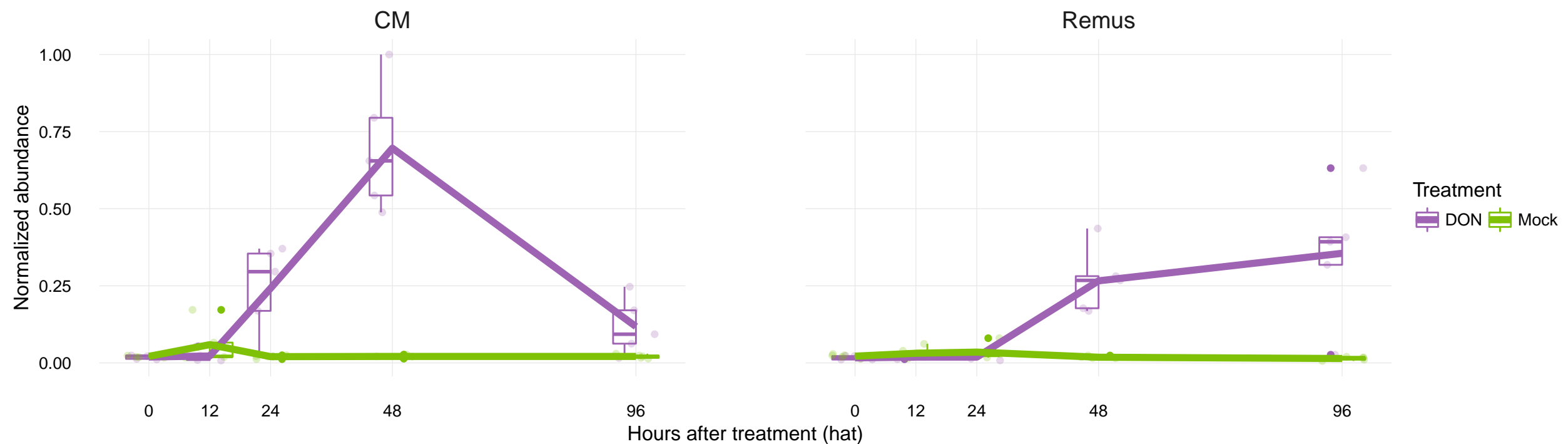
## C2, C4; different treatments



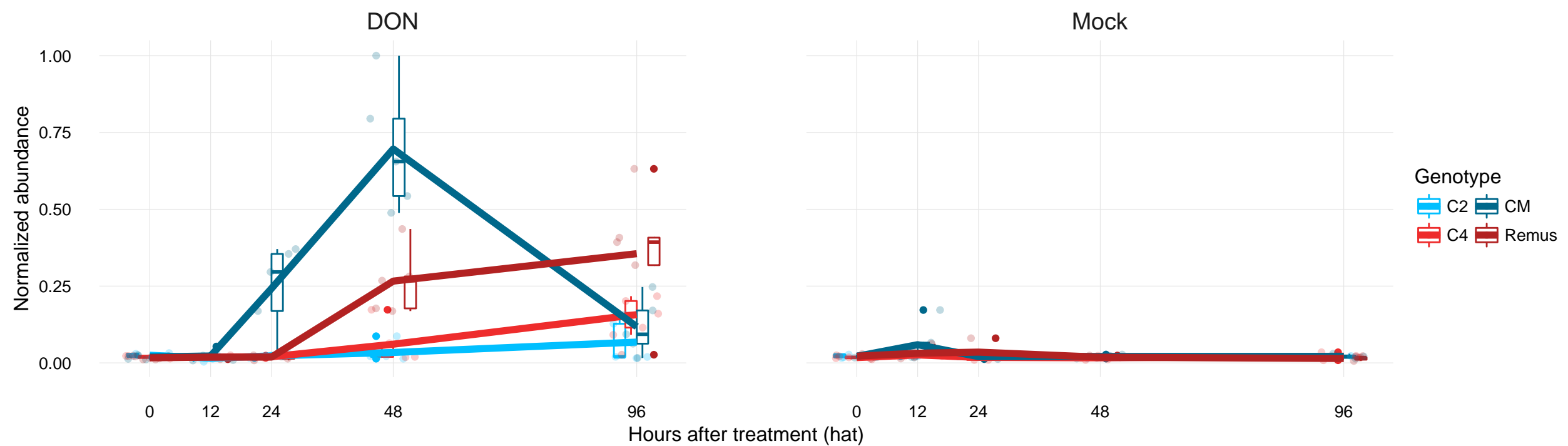
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

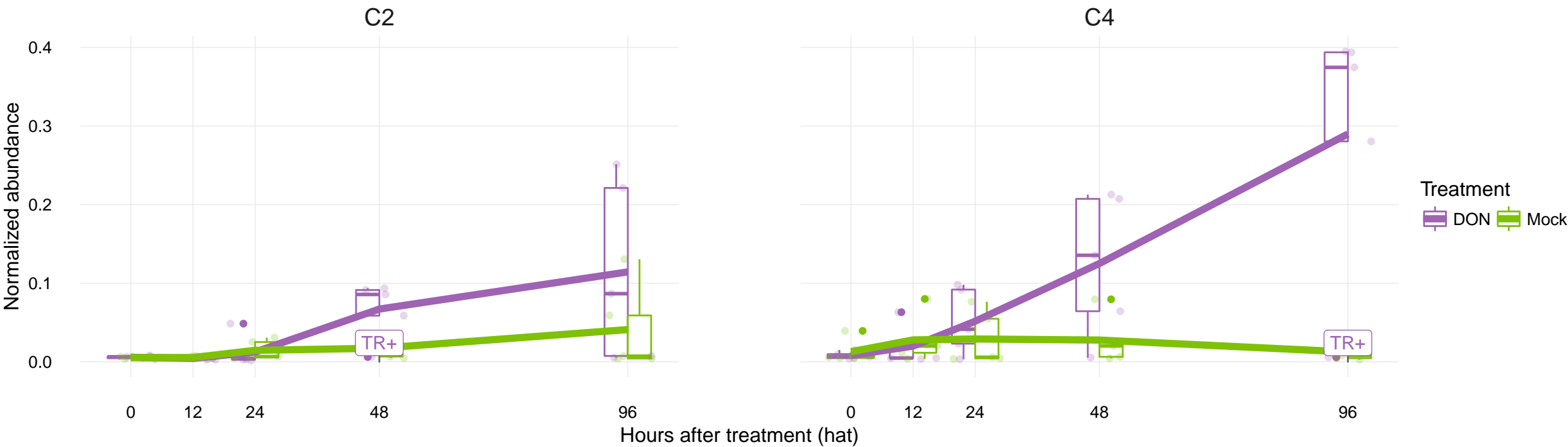


# A.49

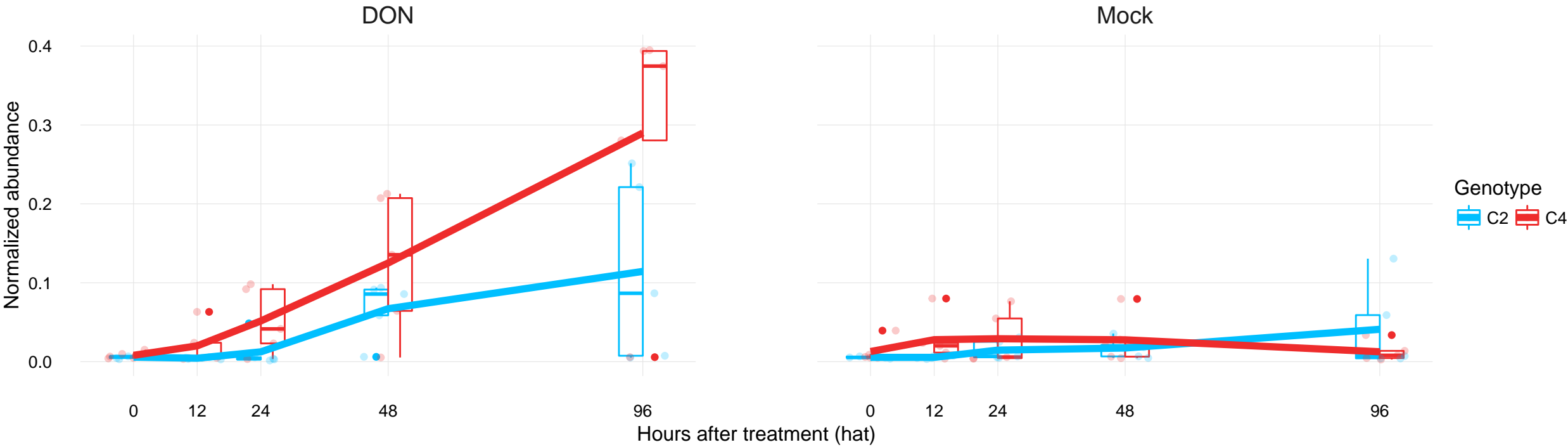
Annotated as HCA derivative  
(1 database hit)

MZ	339.1076
RT	11.79 min
Normalization	Indirectly via surrogate in the KPX samples
Cluster	Cluster 3
Cn total / Phe	16 /

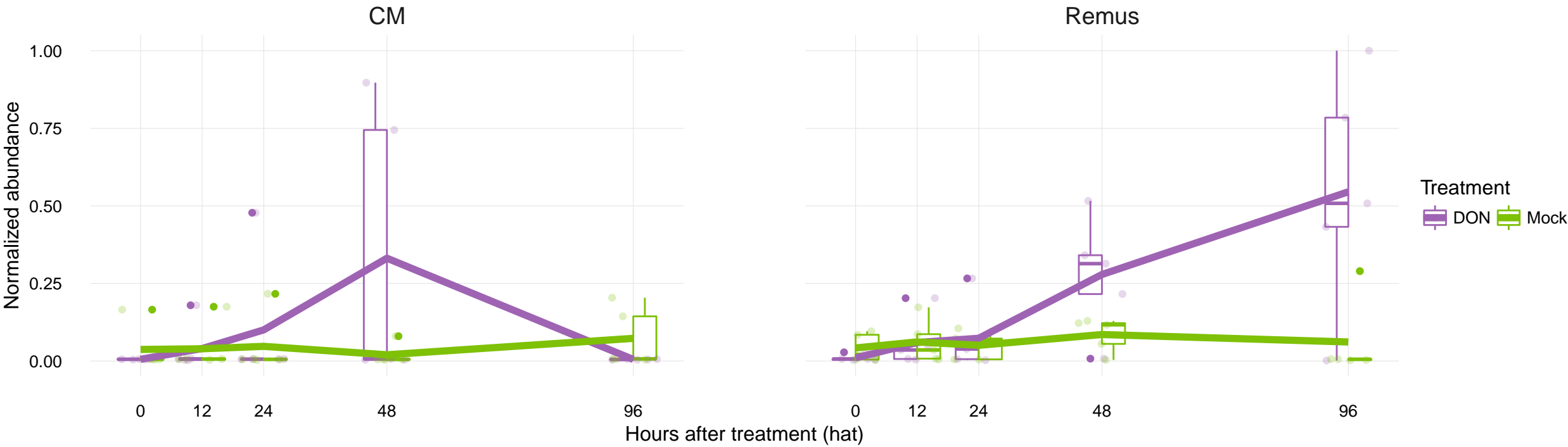
## C2, C4; different treatments



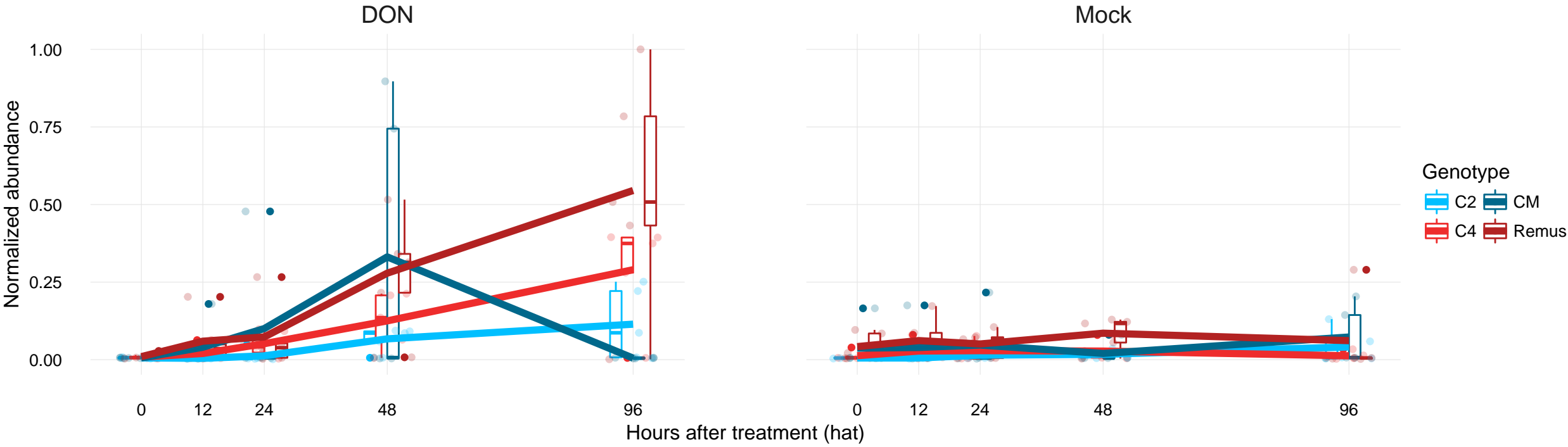
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

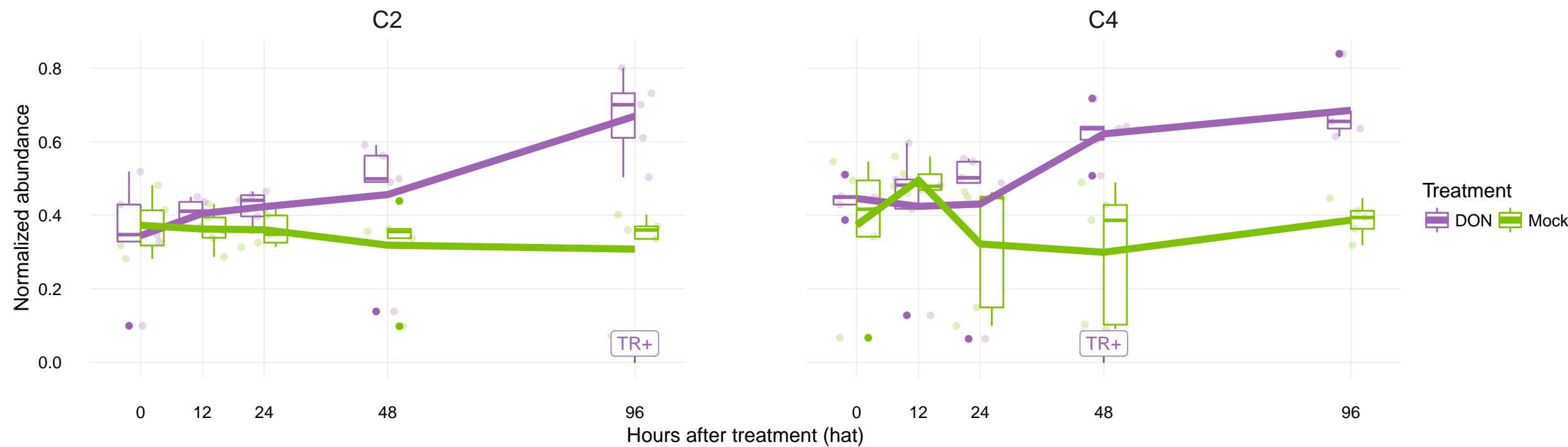


# U.7

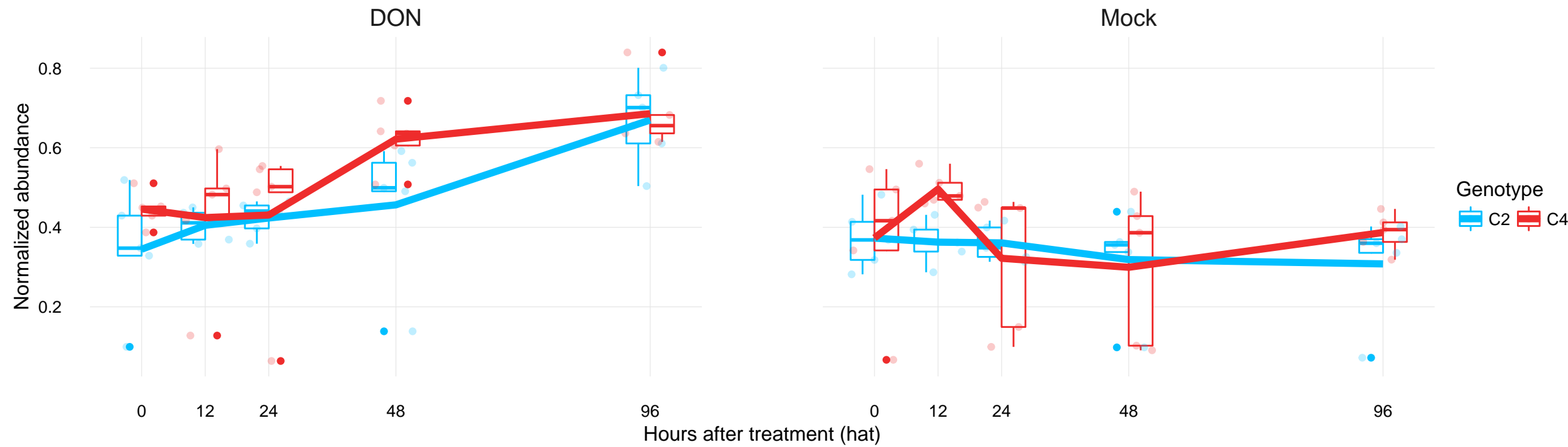
Unknown Phe-derived wheat-metabolite

MZ	193.086
RT	12.96 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	11 / 8

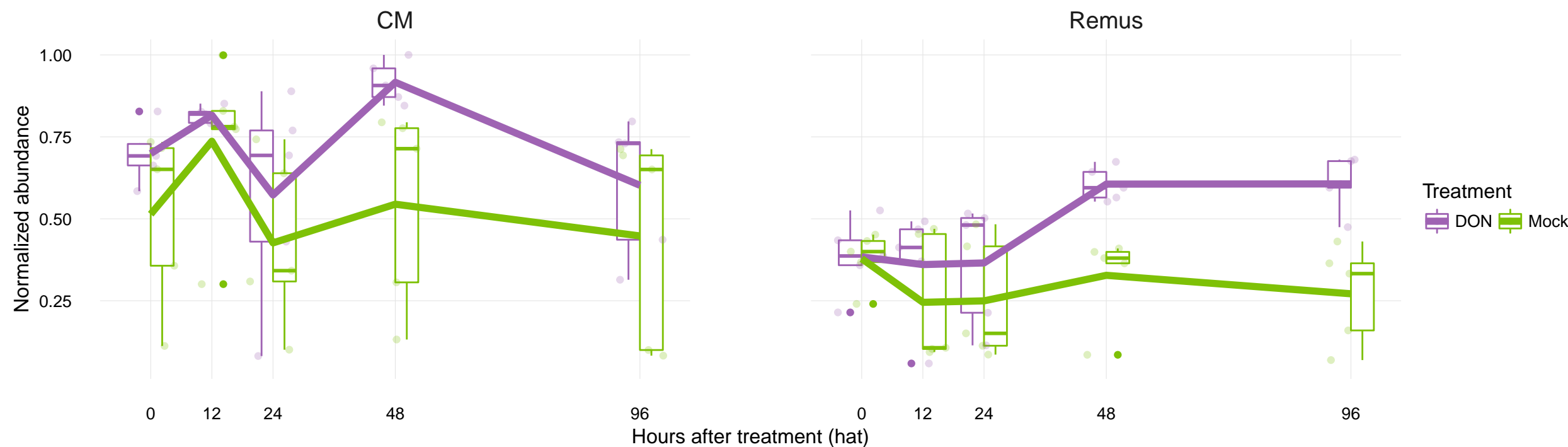
C2, C4; different treatments



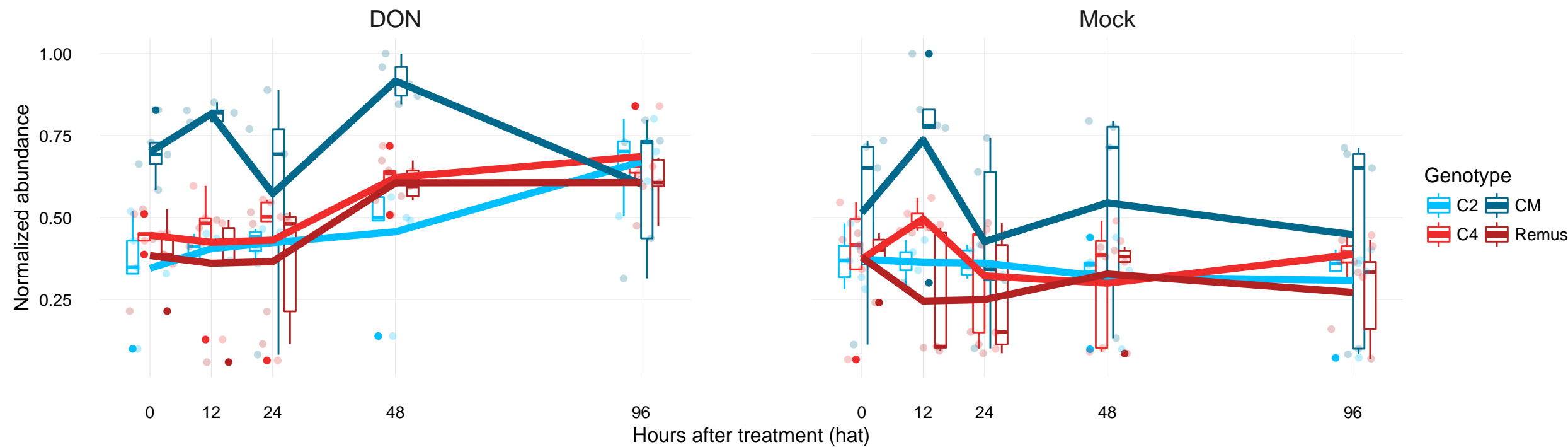
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

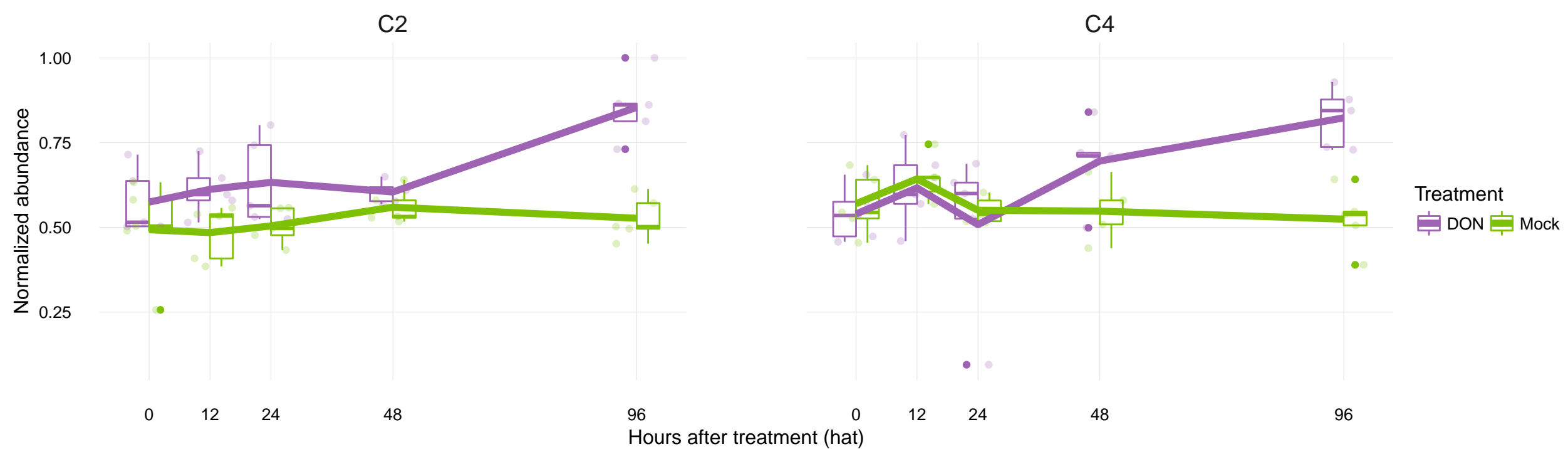


# A.46

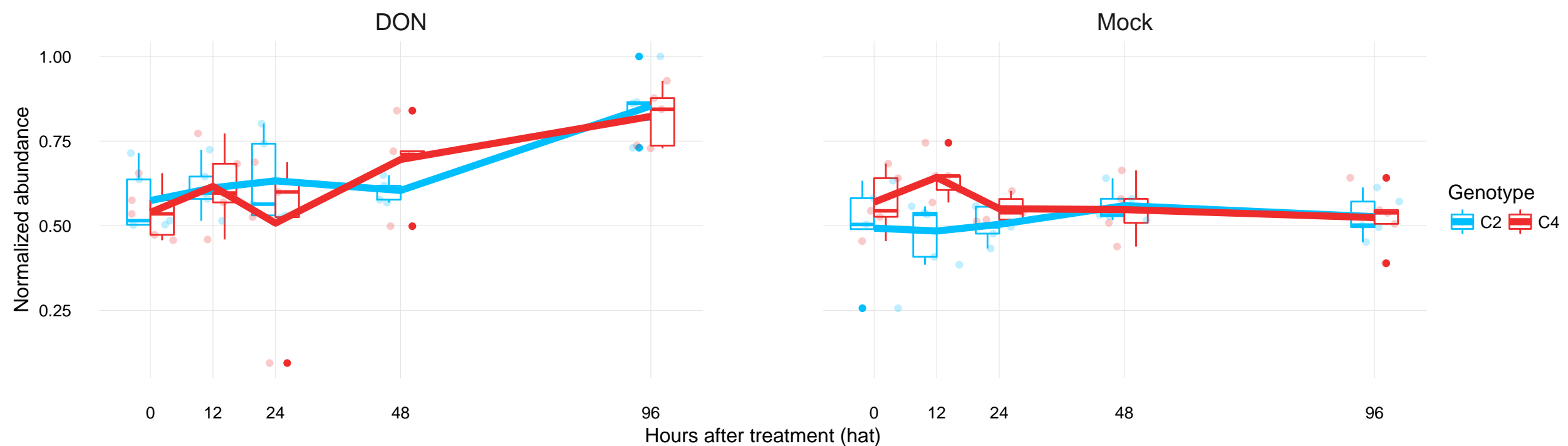
Annotated as Putative phenylacetic acid derivative  
(1 database hit)

MZ	409.1107
RT	11.61 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	17 /

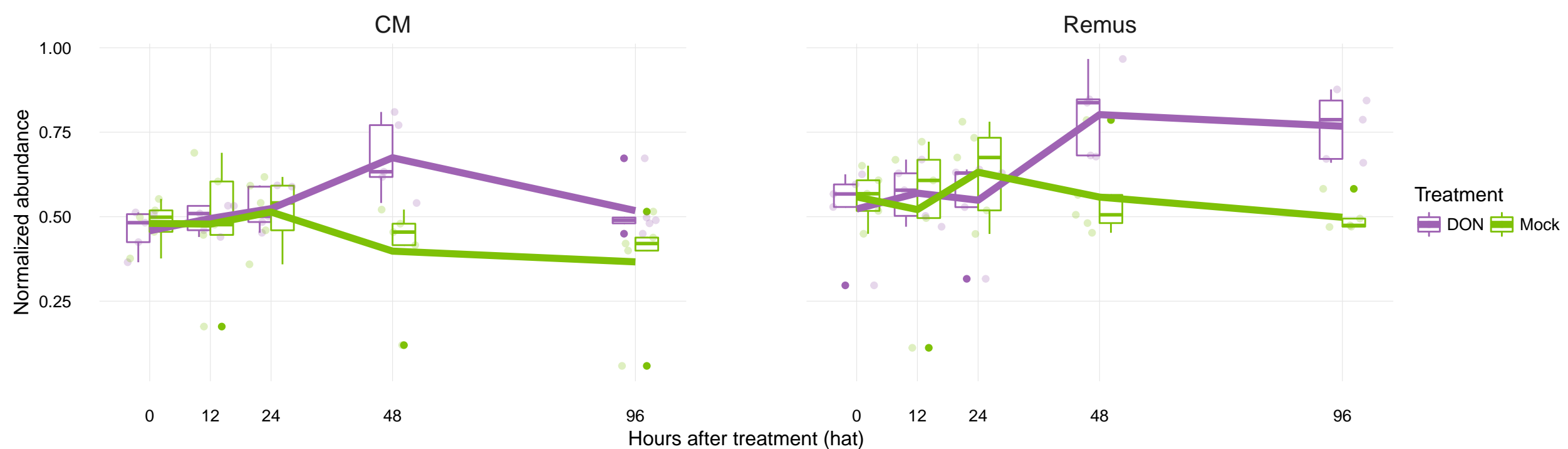
## C2, C4; different treatments



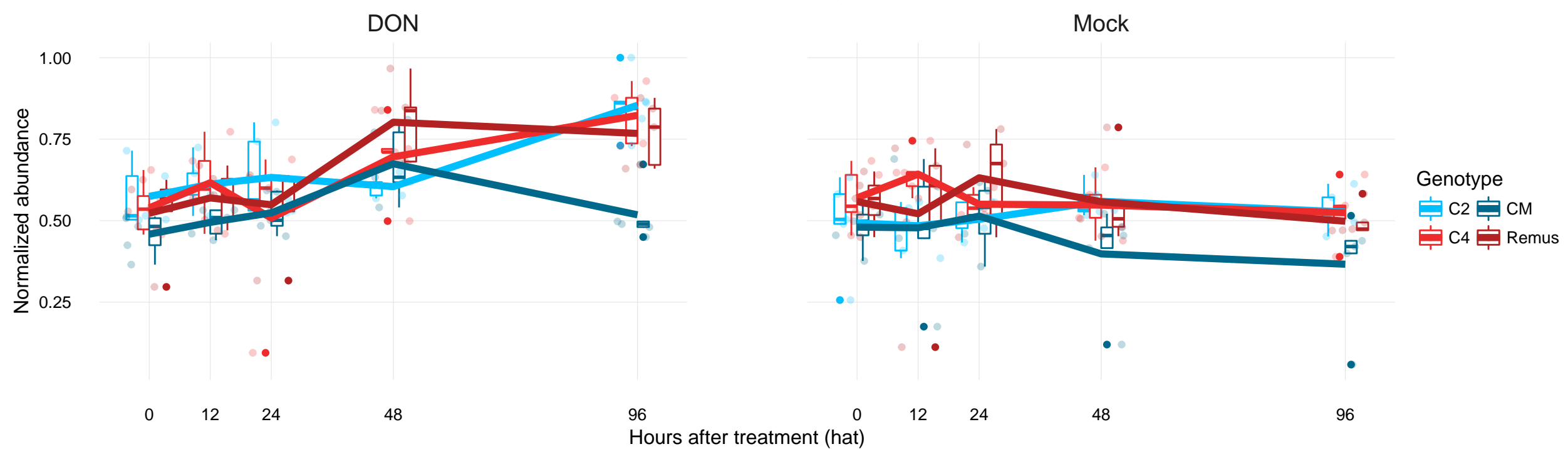
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



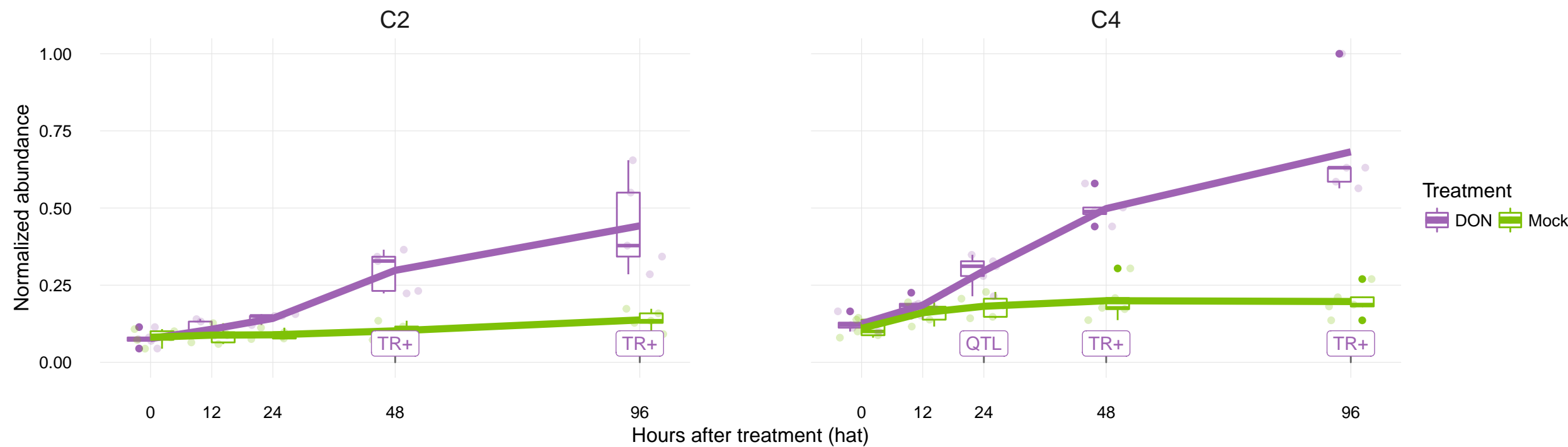


# U.8

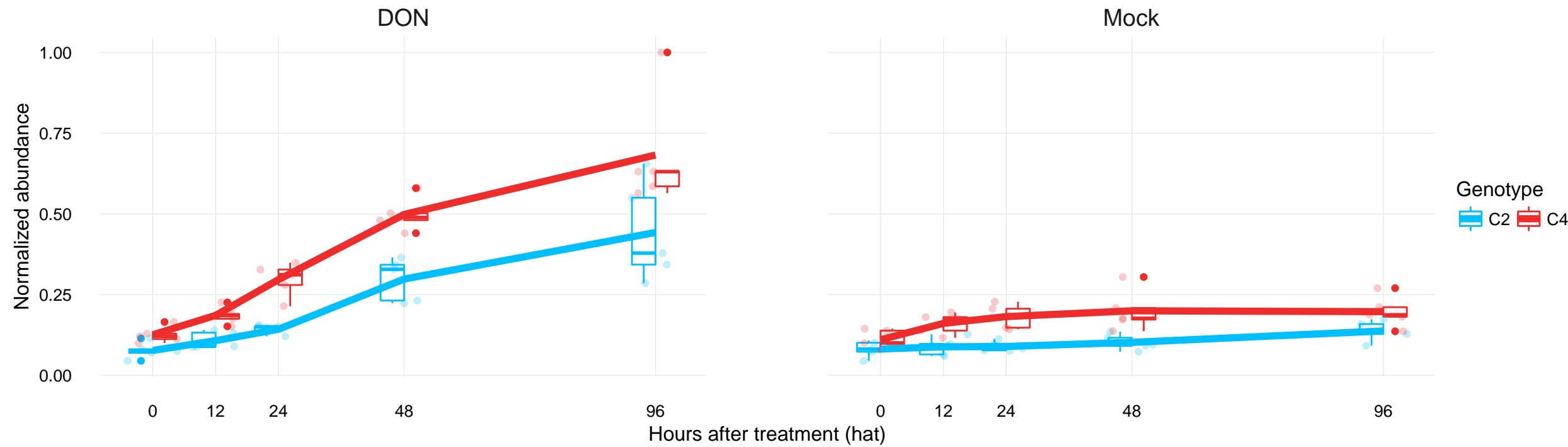
Unknown Phe-derived wheat-metabolite

MZ	451.1216
RT	13.19 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	9 / 9

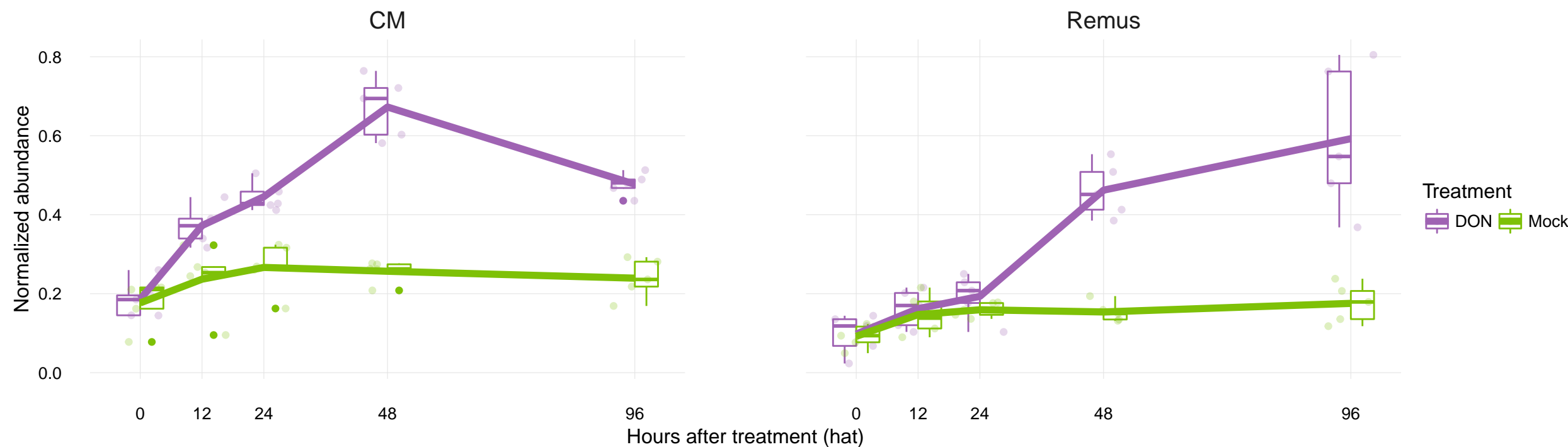
C2, C4; different treatments



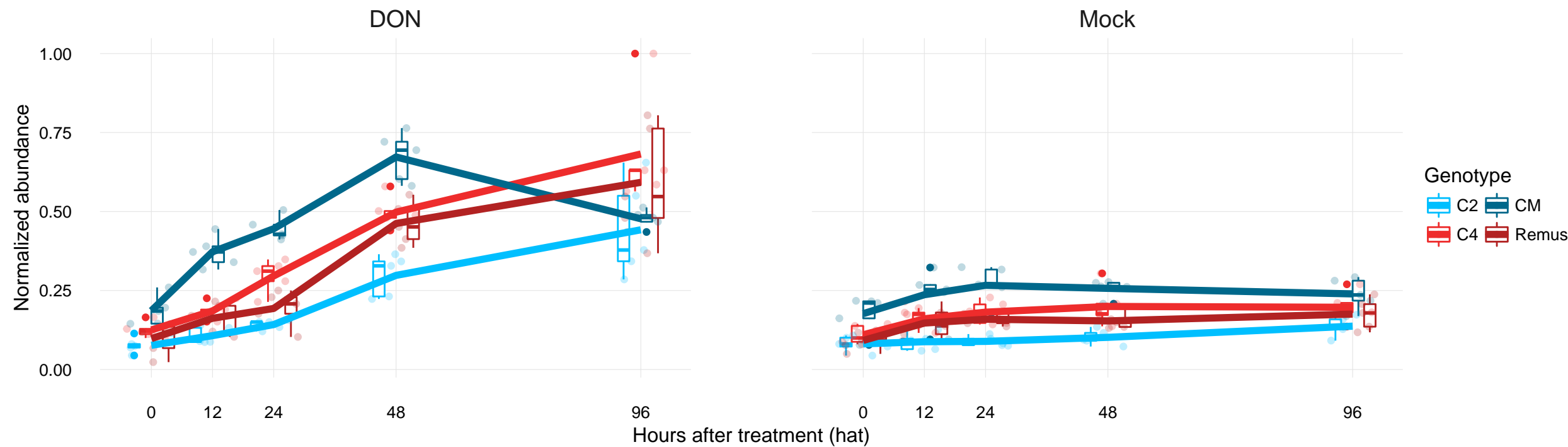
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

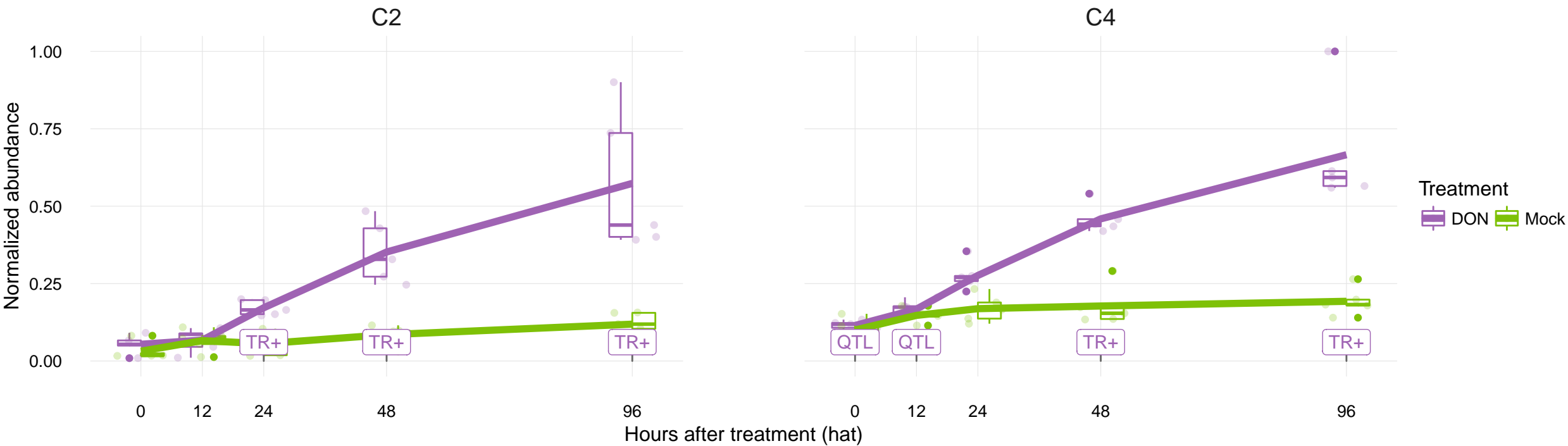


# A.66

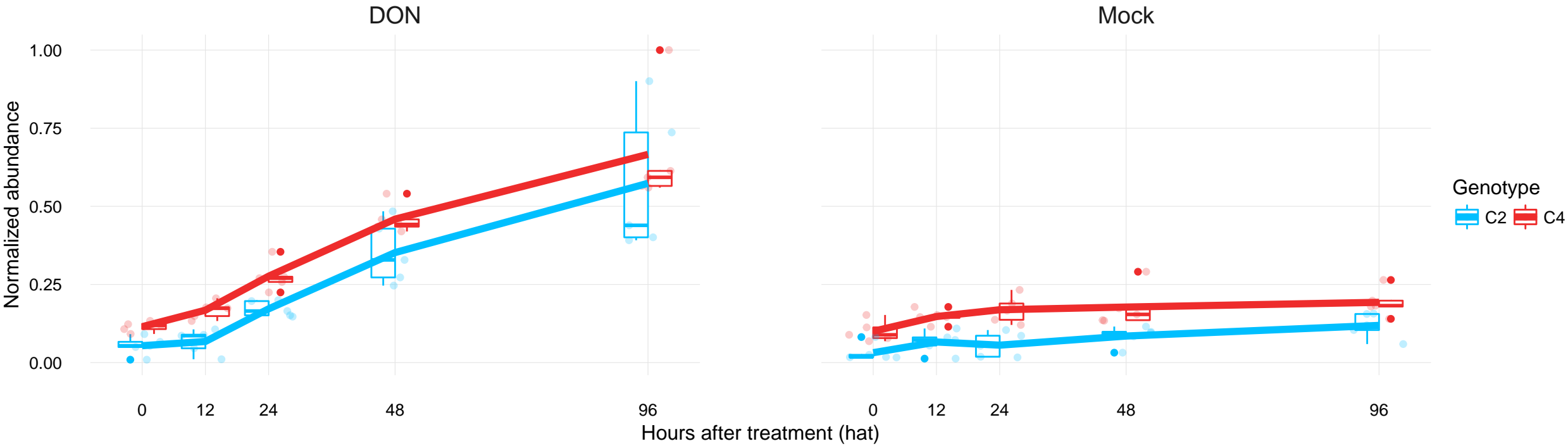
Annotated as HCA derivative  
(2 database hits)

MZ	239.0915
RT	13.16 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	12 / 9

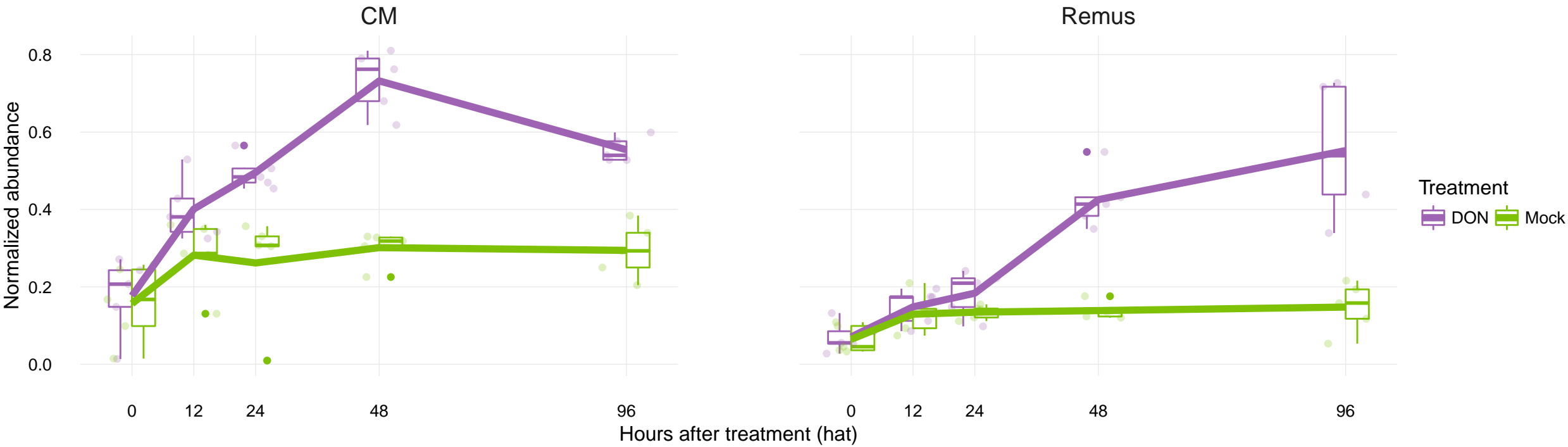
## C2, C4; different treatments



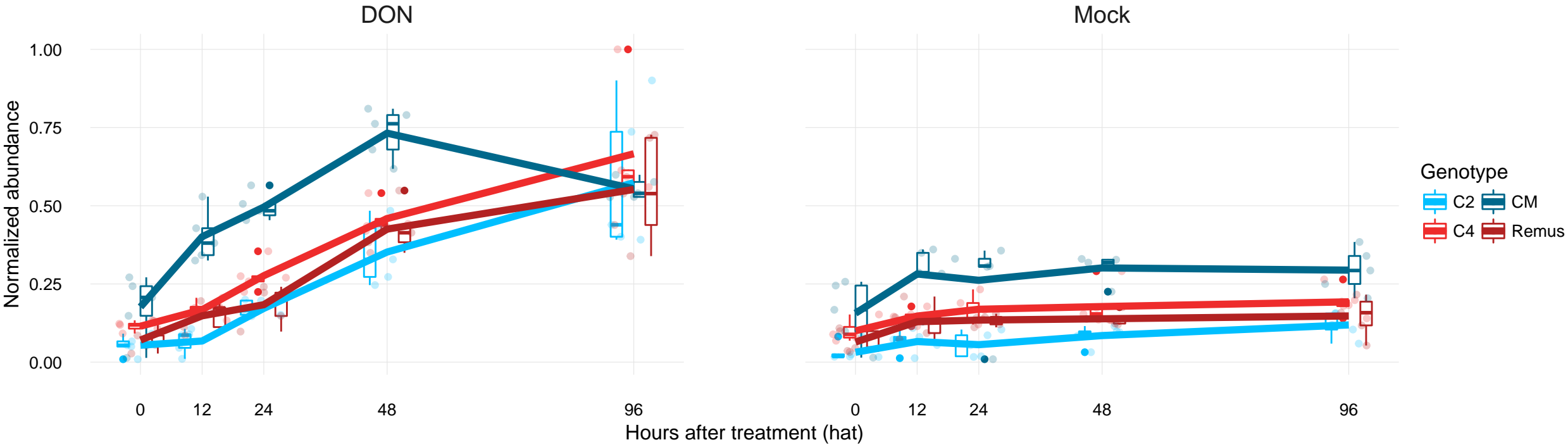
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

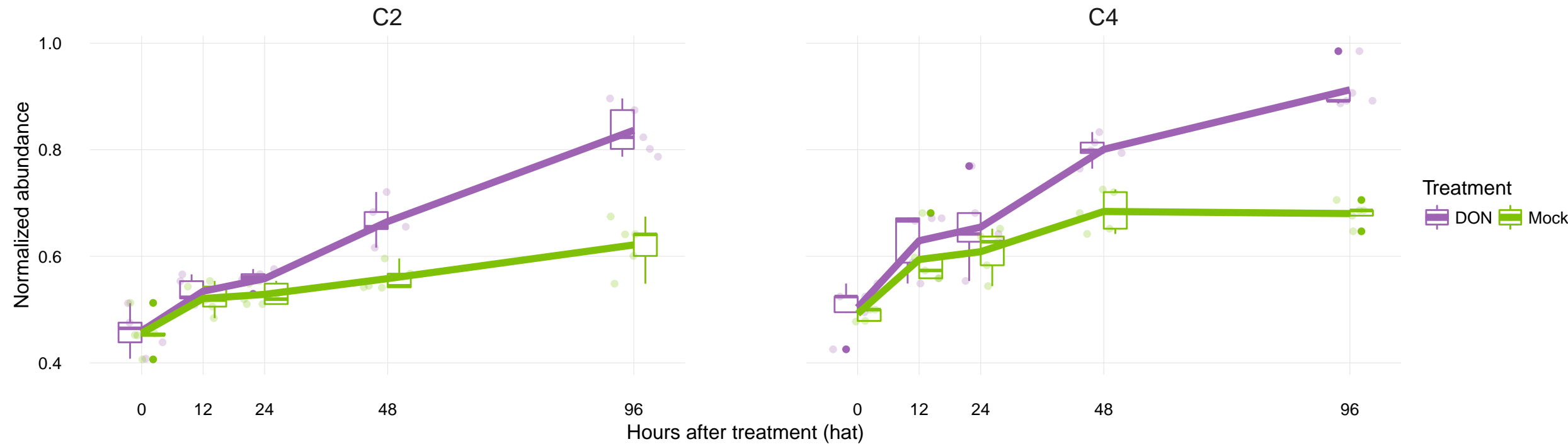


# A.57

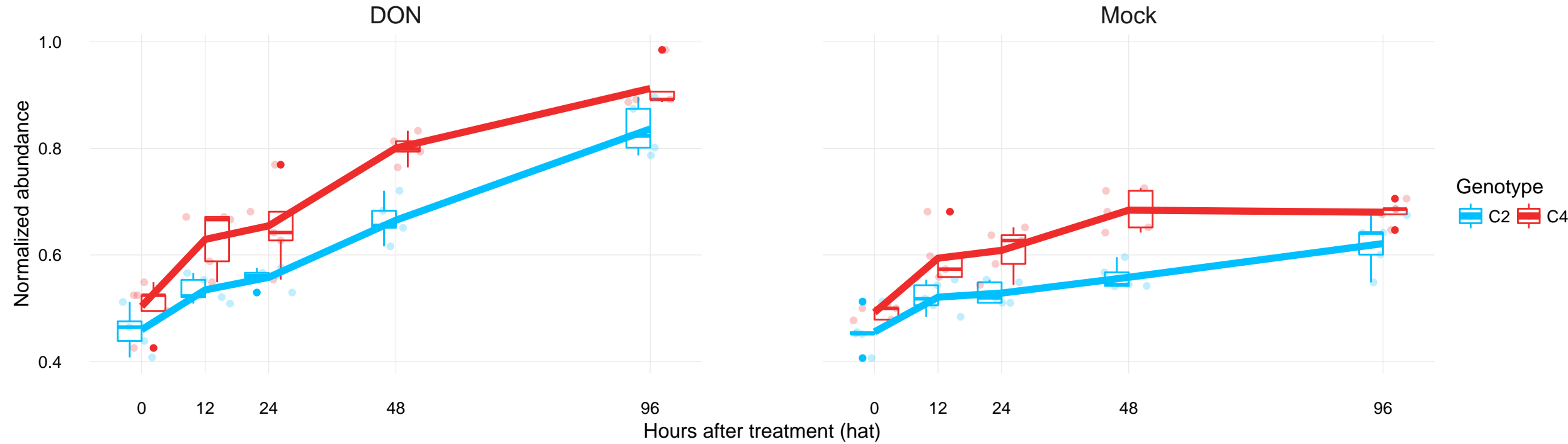
Annotated as others (Phenol)  
(1 database hit)

MZ	185.0808
RT	12.76 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	9 / 6

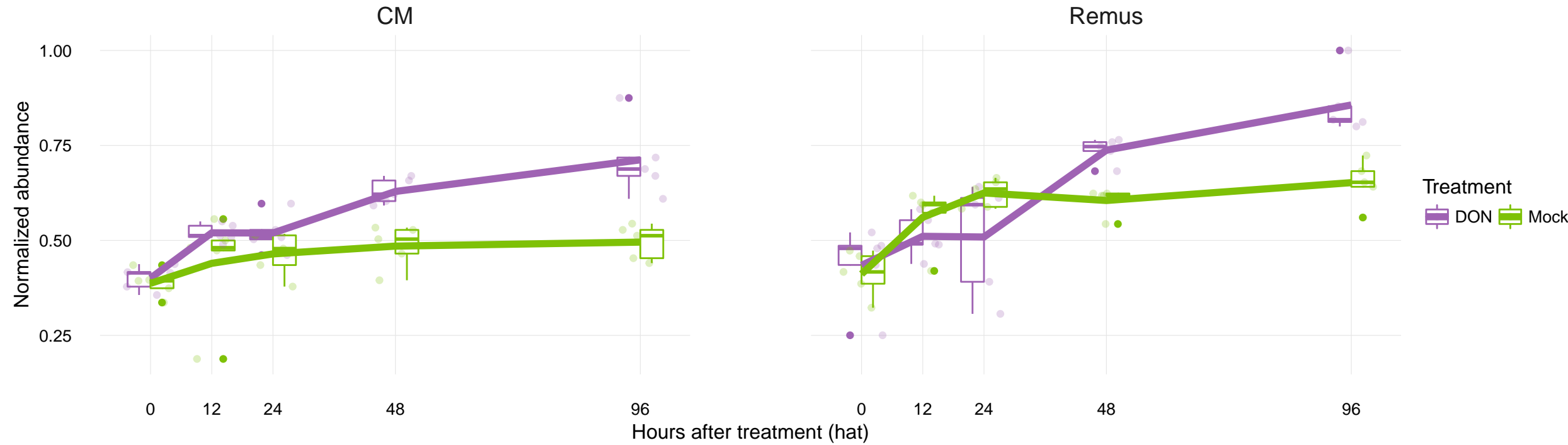
## C2, C4; different treatments



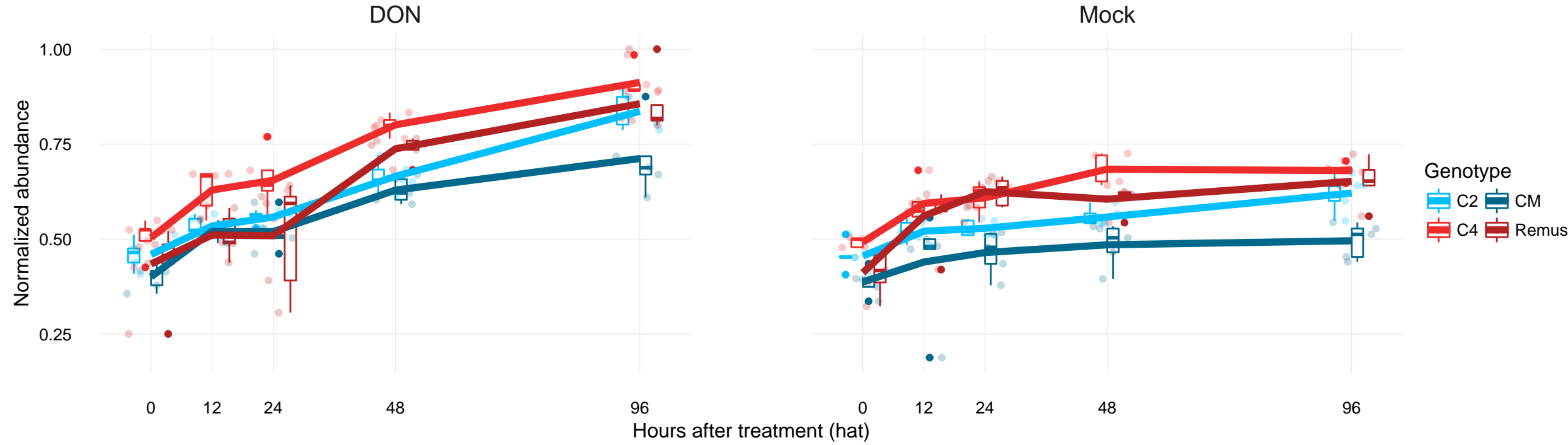
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

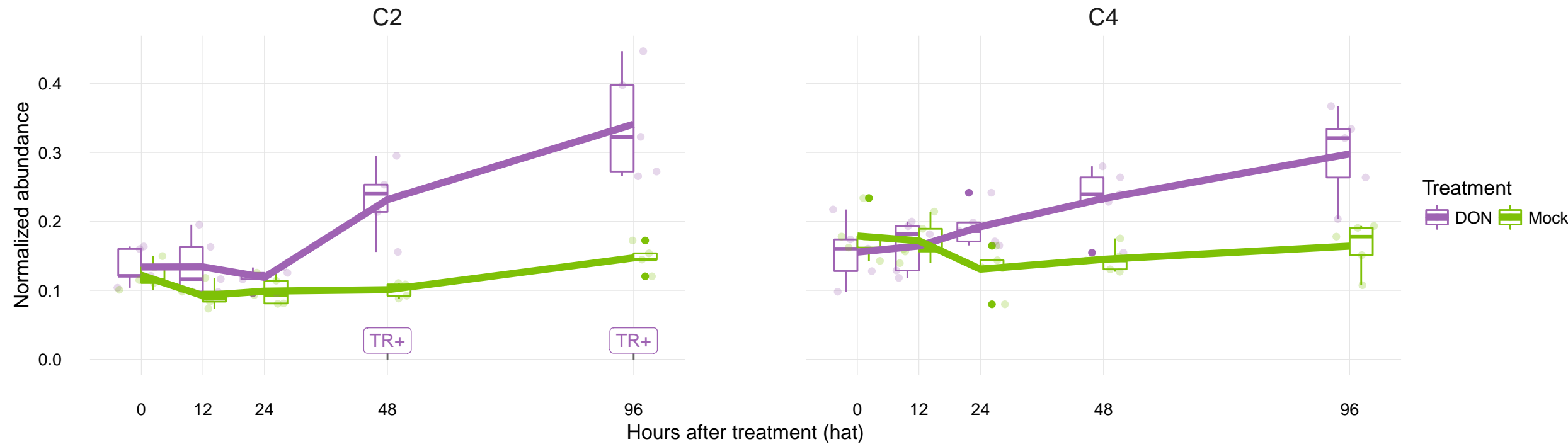


A.87

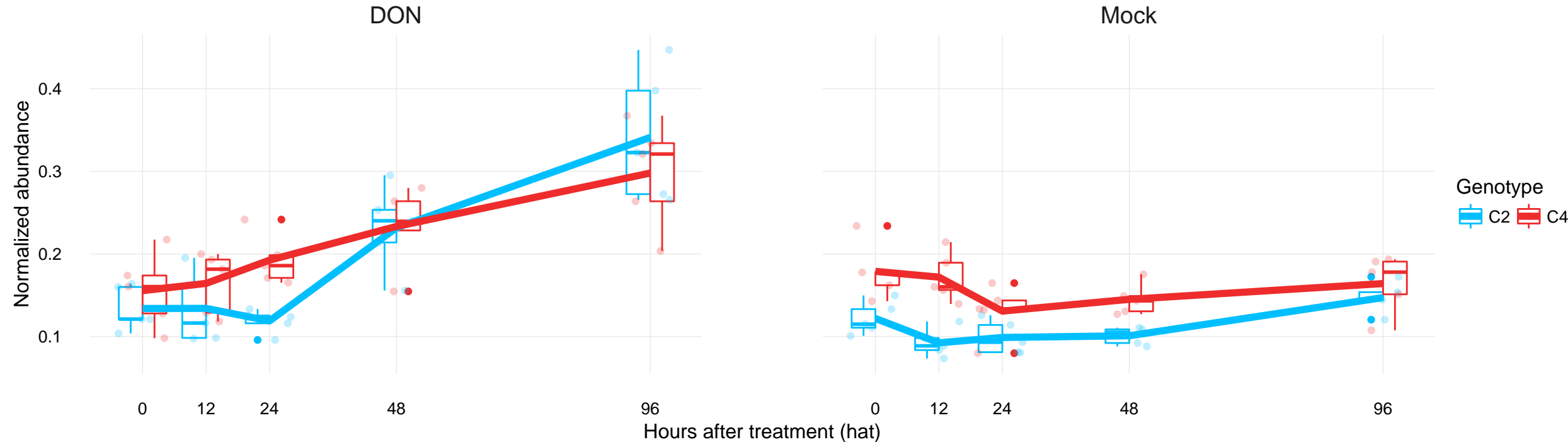
Annotated as Lignan  
(1 database hit)

MZ	603.205
RT	15.28 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	28 /

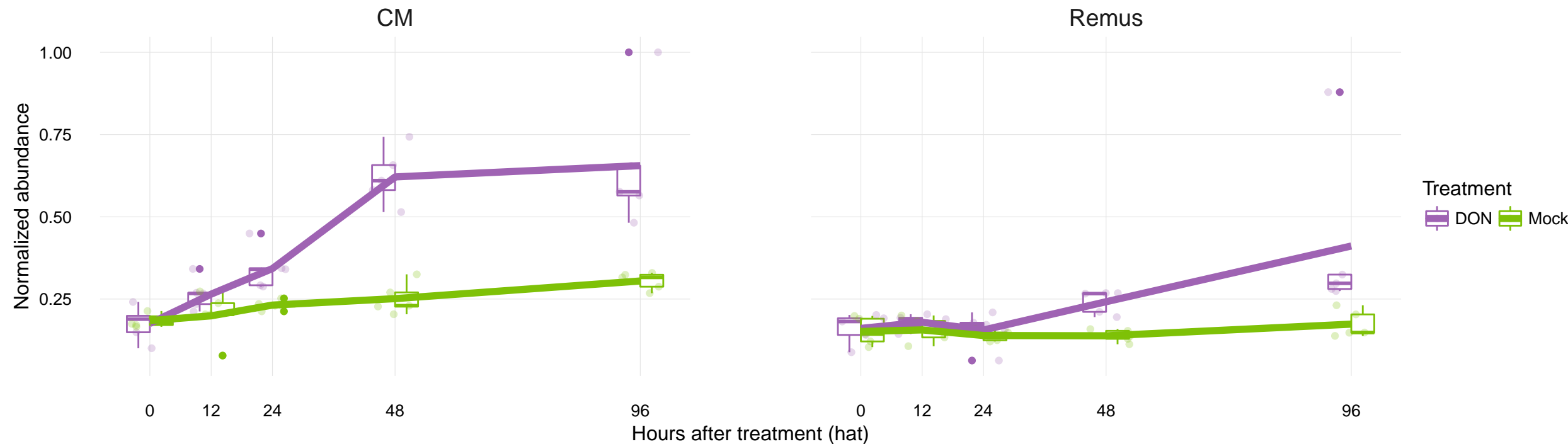
C2, C4; different treatments



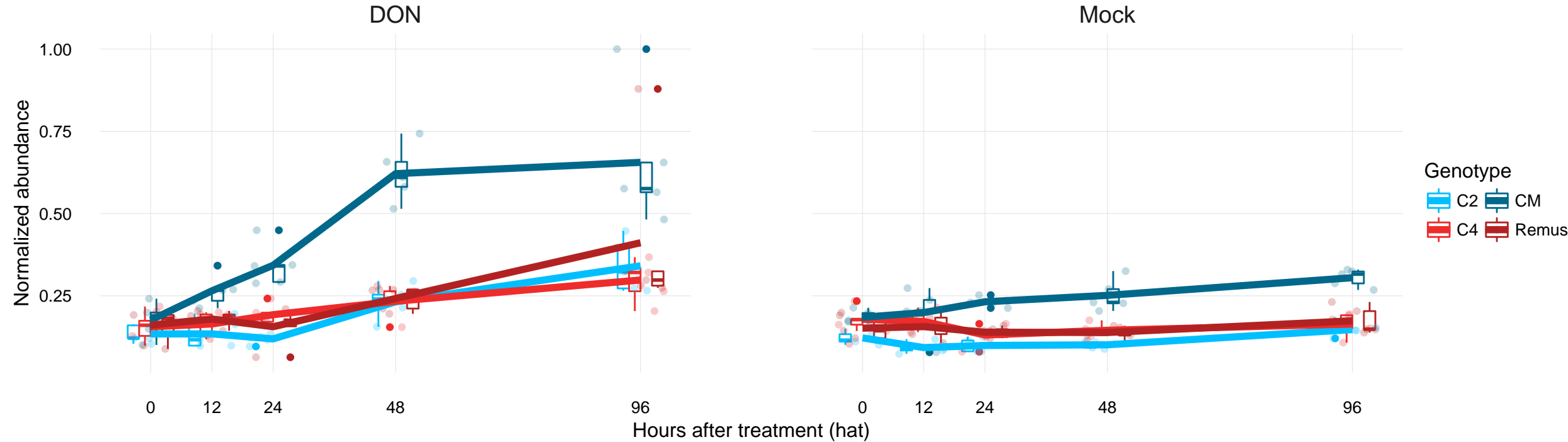
DON, Mock; different genotypes



CM, Remus; different treatments



DON, Mock; all four genotypes

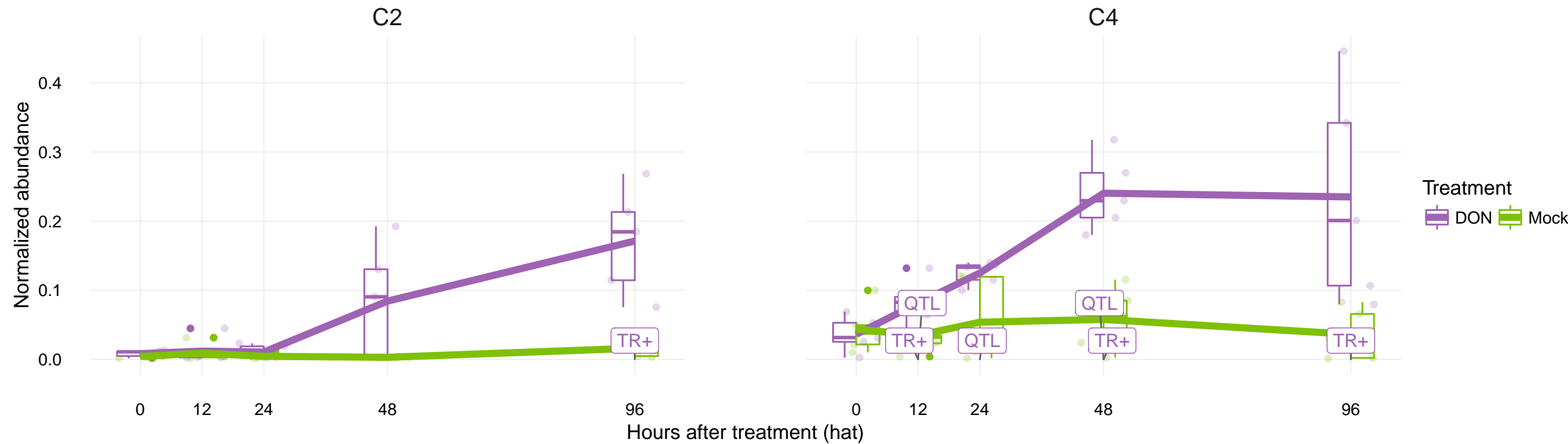


# A.111

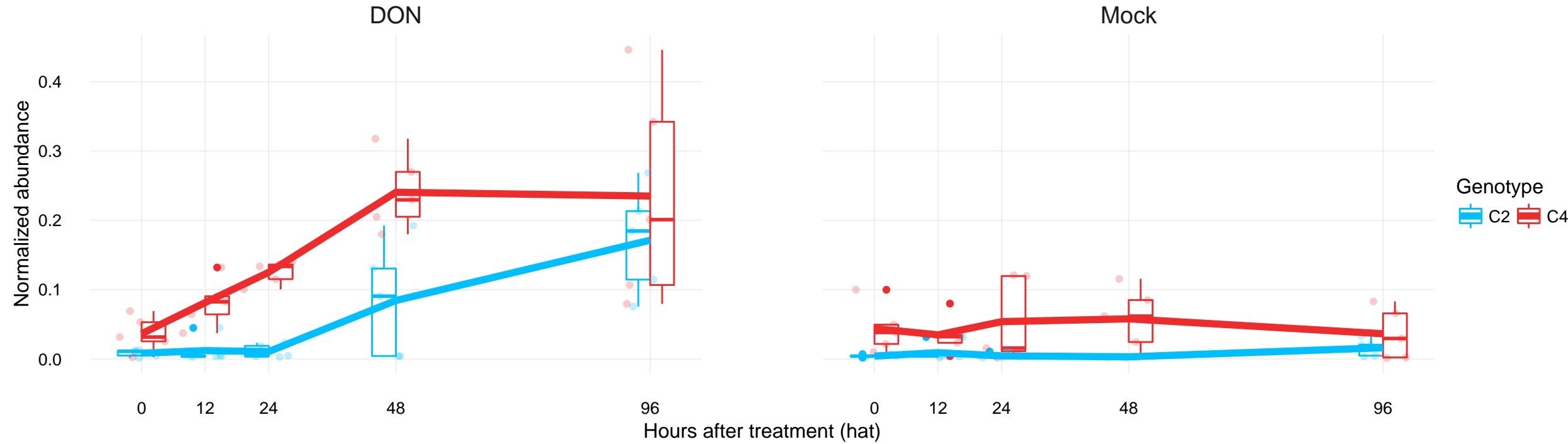
Annotated as Flavonoid  
(21 database hits)

MZ	371.149
RT	17.93 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	21 /

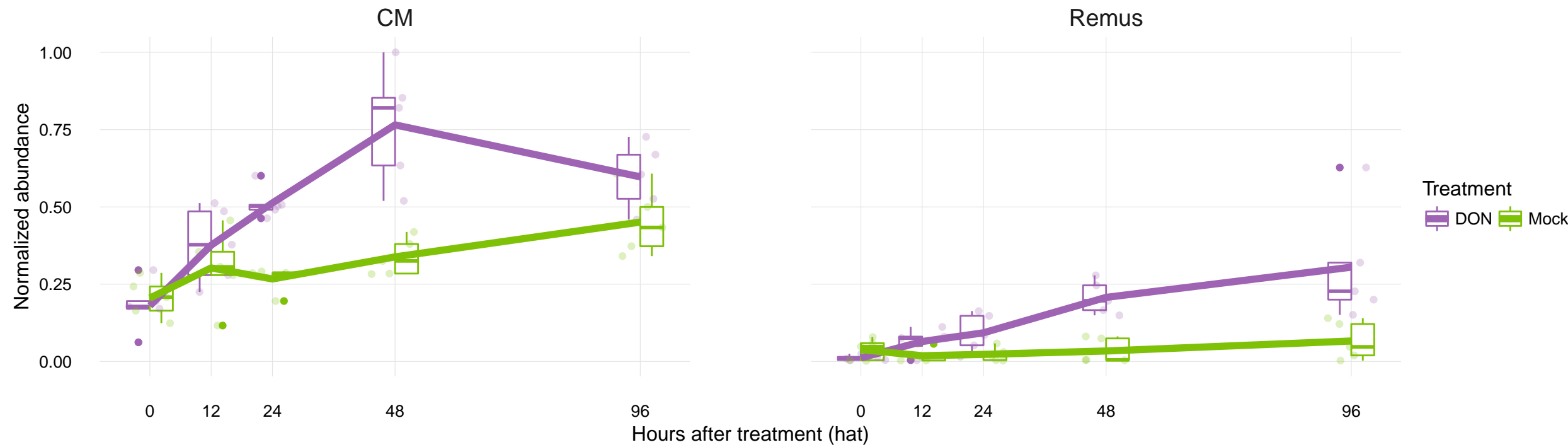
## C2, C4; different treatments



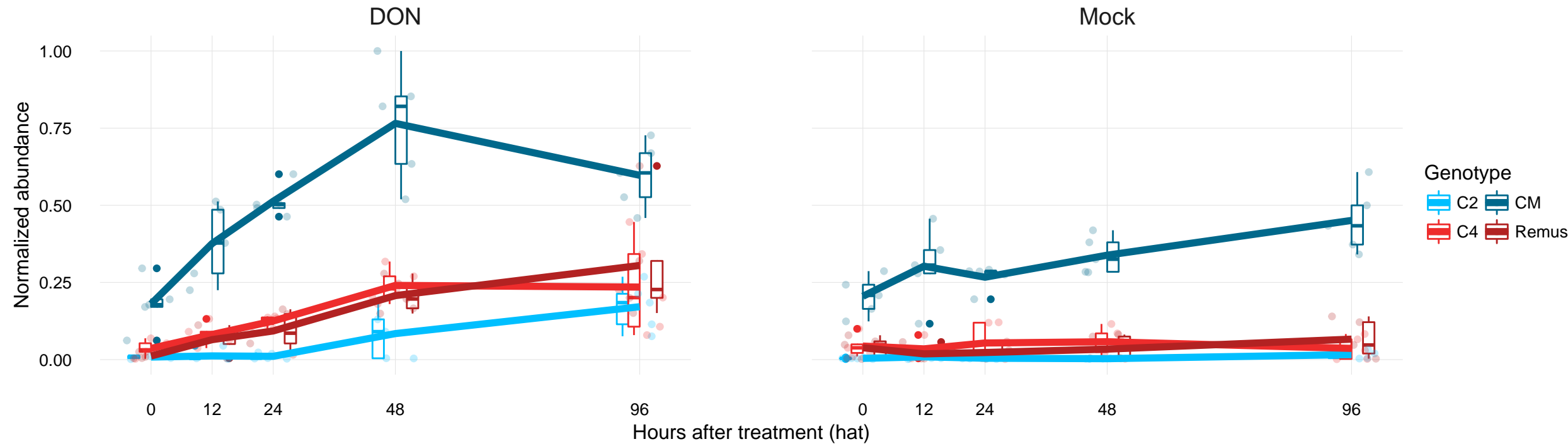
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

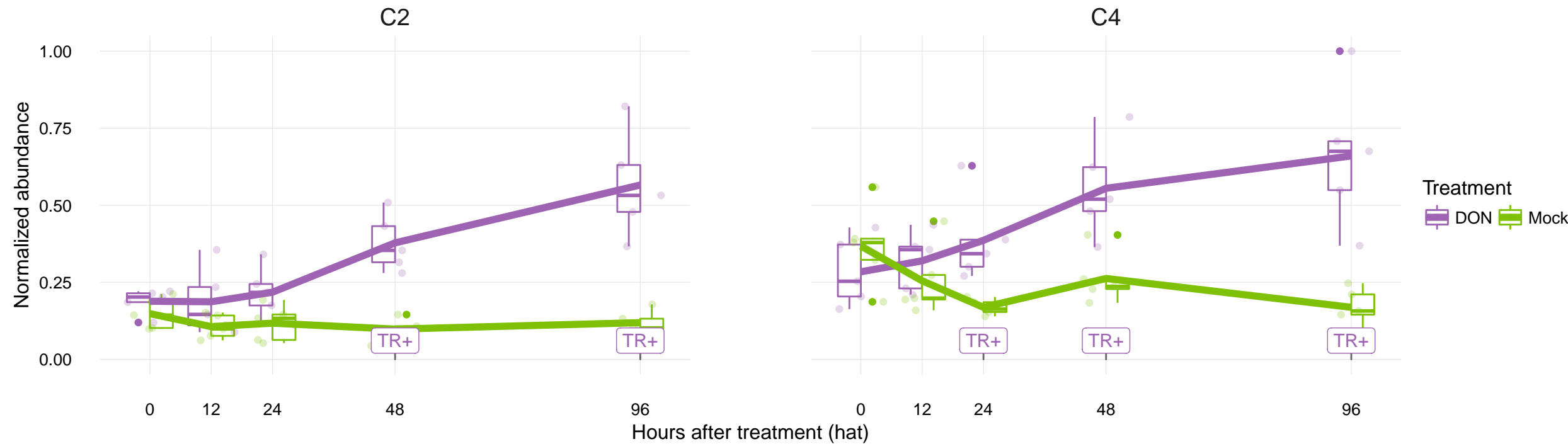


# A.99

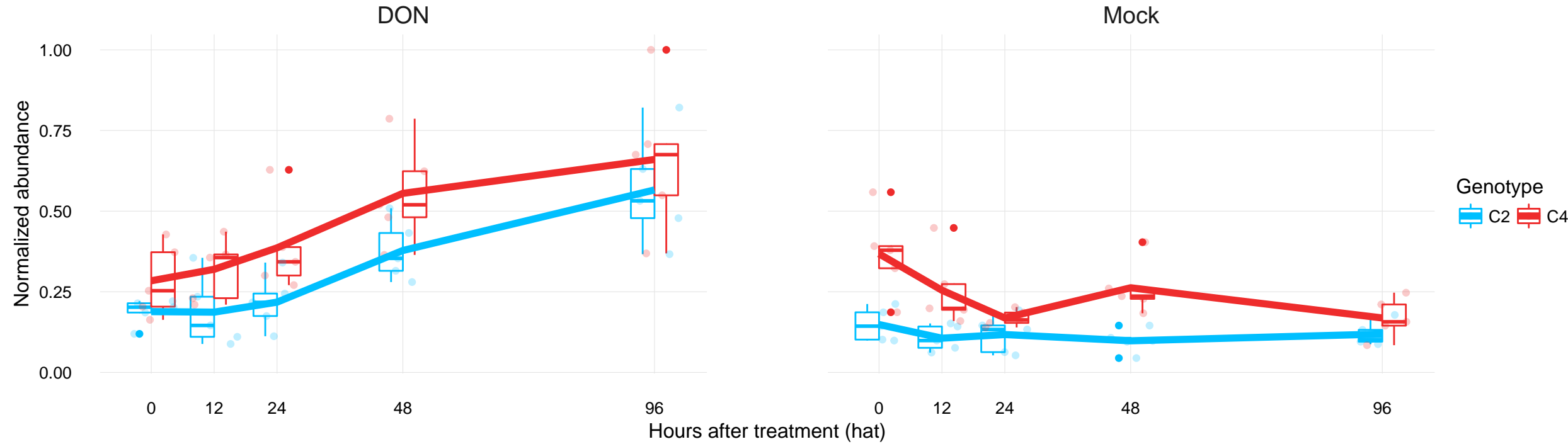
Annotated as others (Coumarins)  
(1 database hit)

MZ	399.1413
RT	16.5 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	20 /

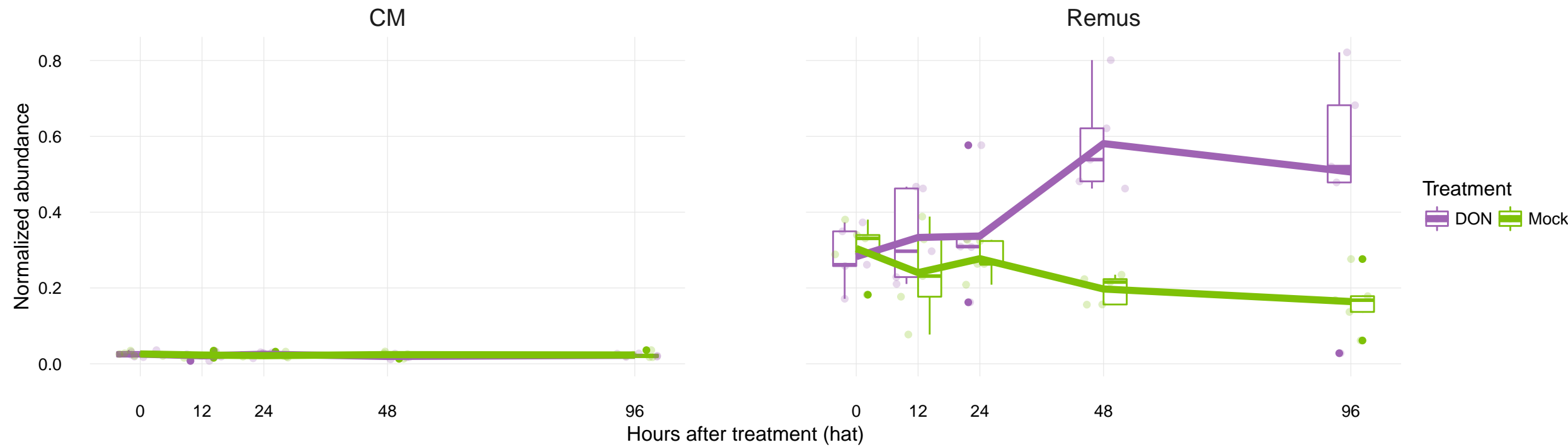
## C2, C4; different treatments



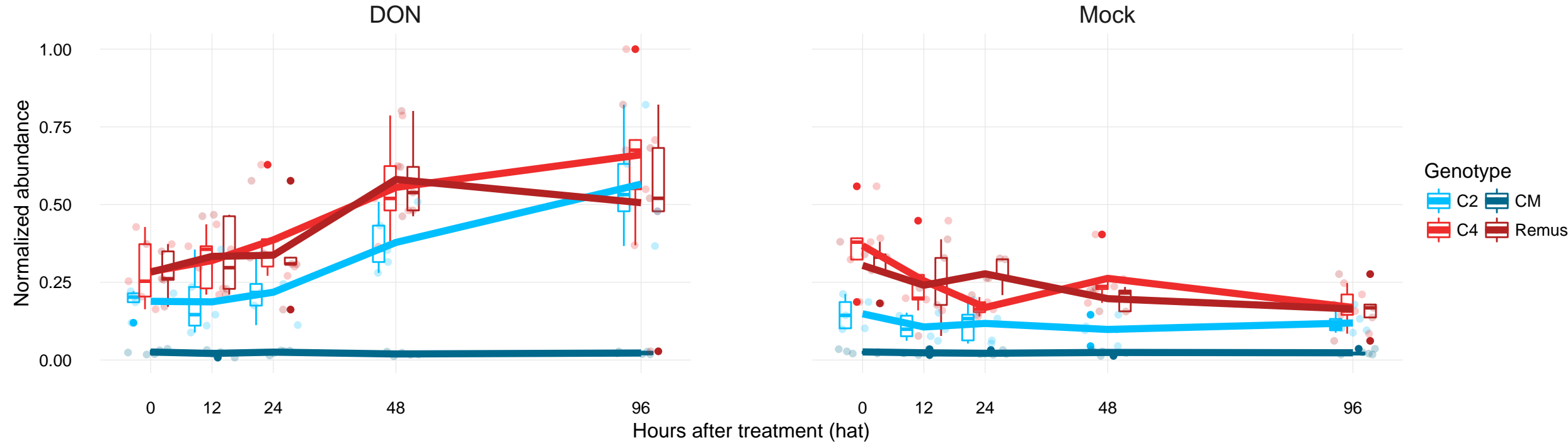
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

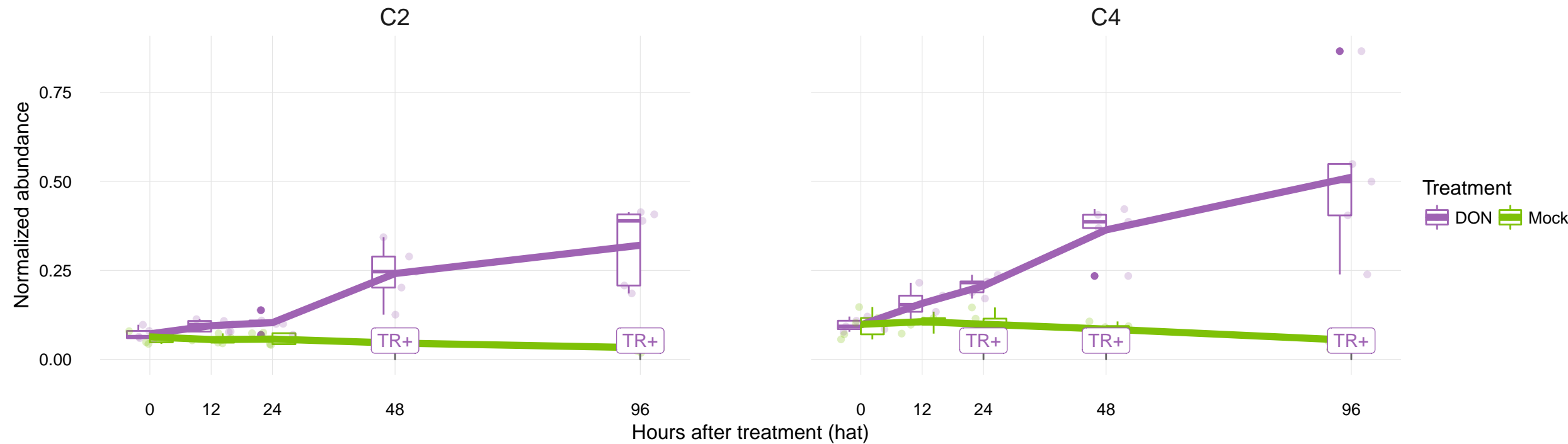


# A.75

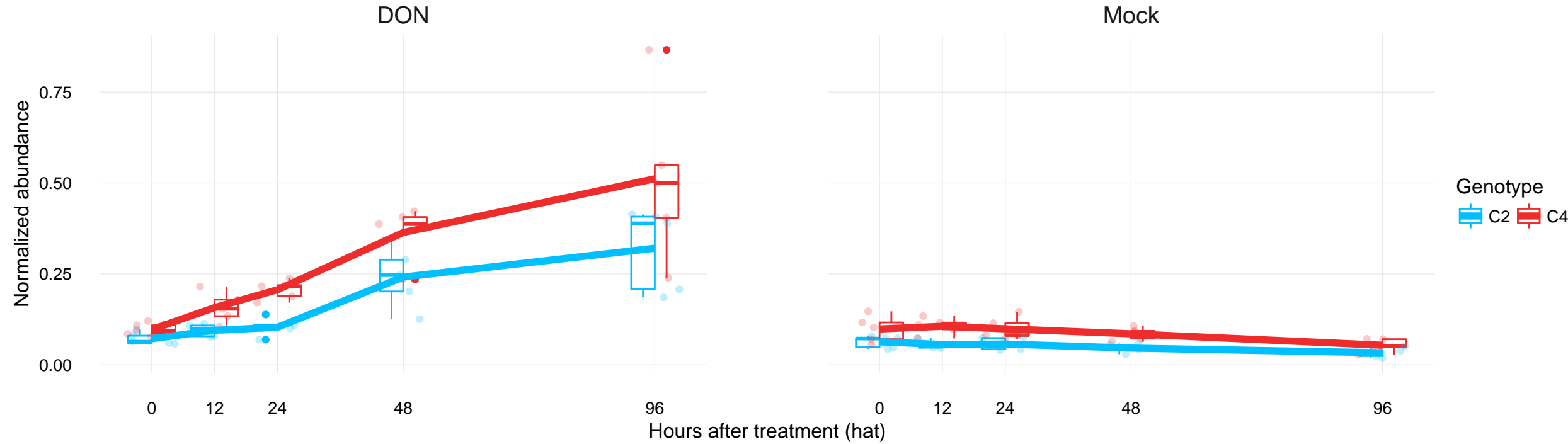
Annotated as Flavonoid  
(30 database hits)

MZ	341.1386
RT	13.98 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	20 / 9

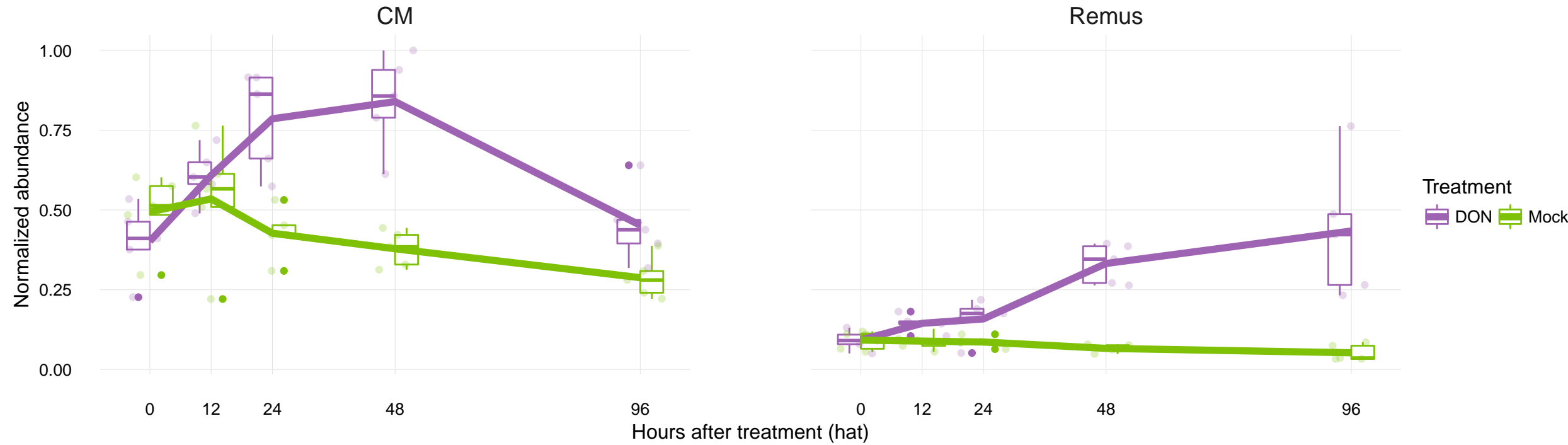
## C2, C4; different treatments



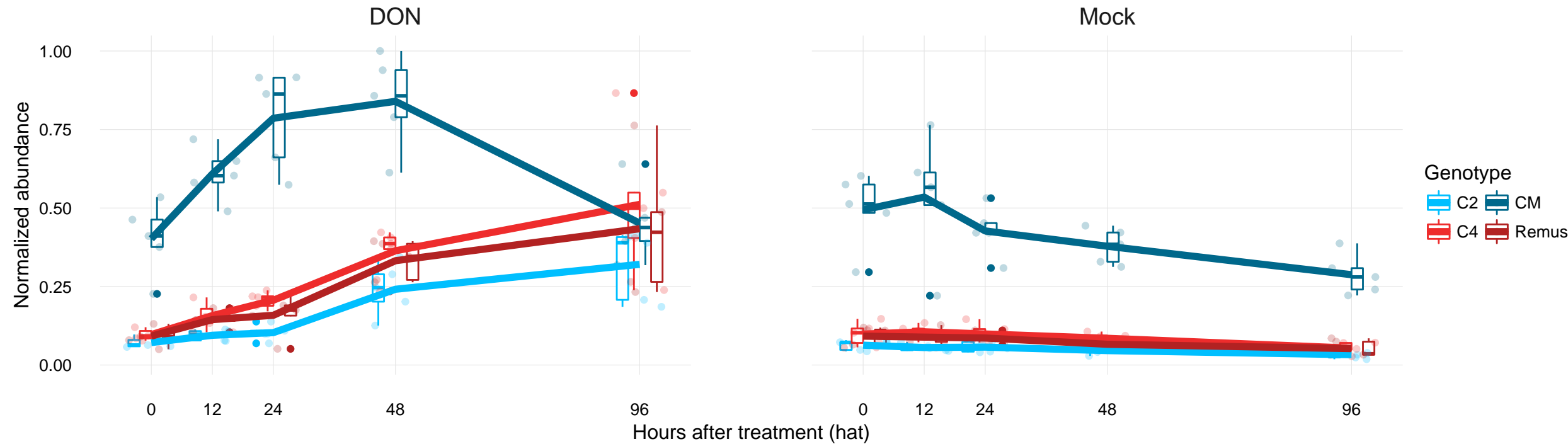
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes



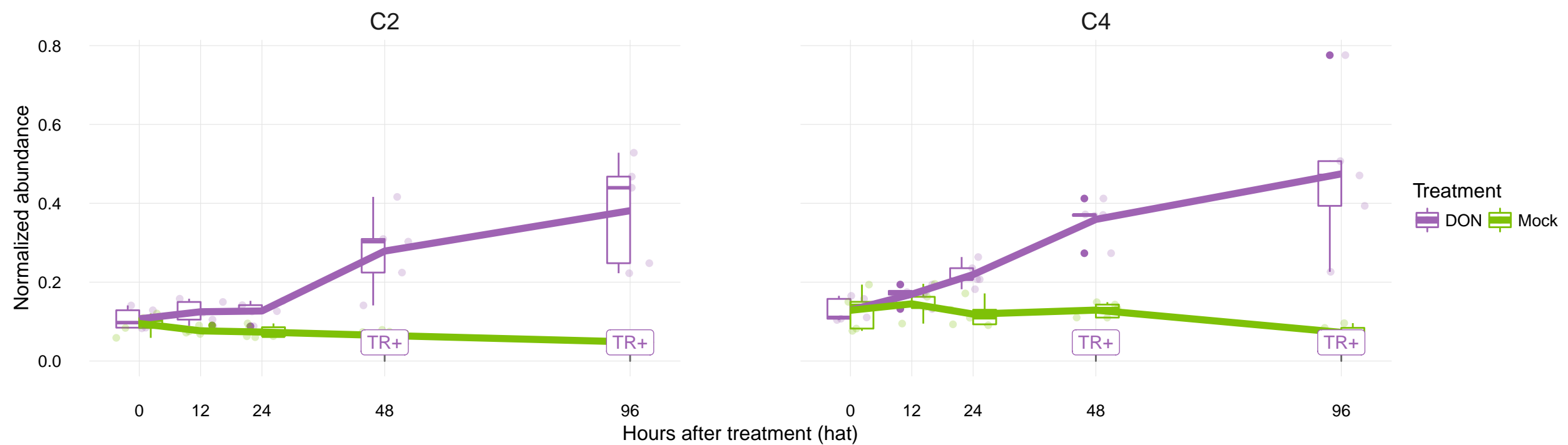


# A.44

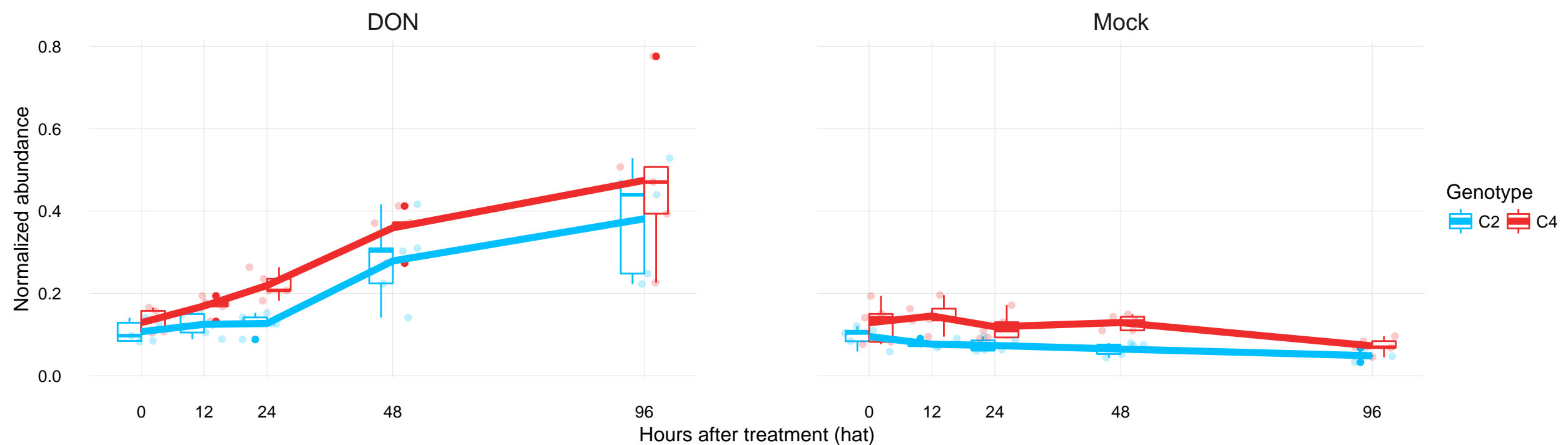
Annotated as Lignan  
(2 database hits)

MZ	521.202
RT	11.2 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	26 / 9

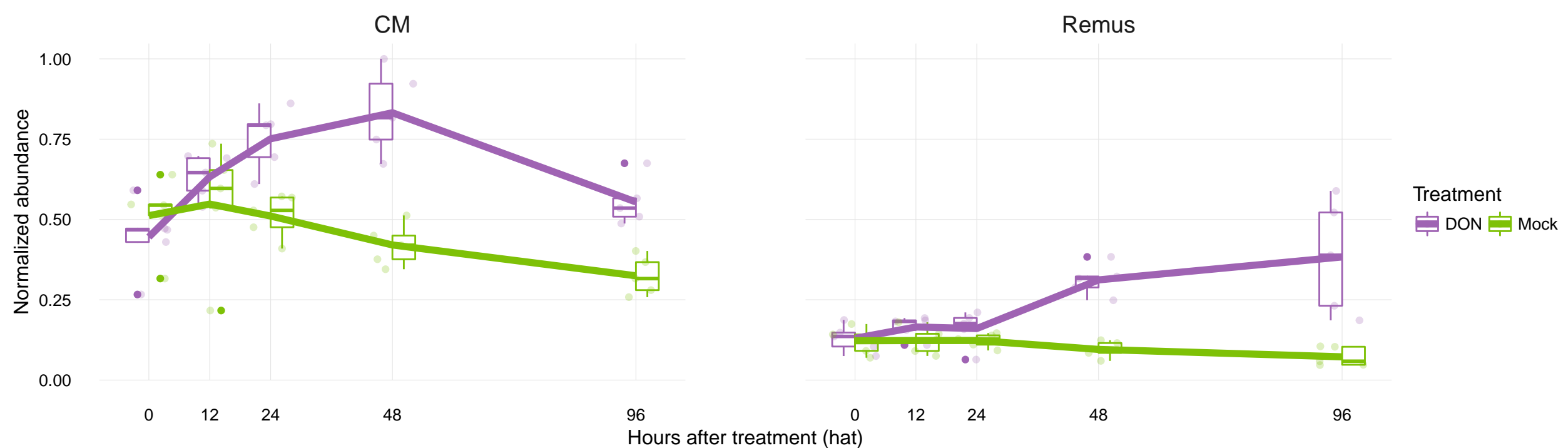
## C2, C4; different treatments



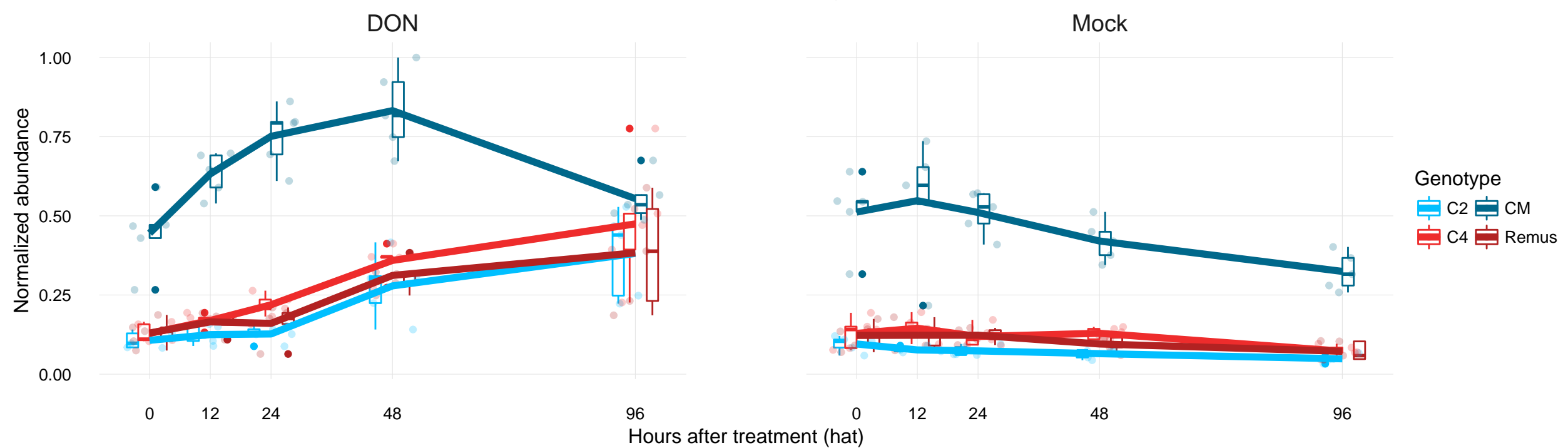
## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

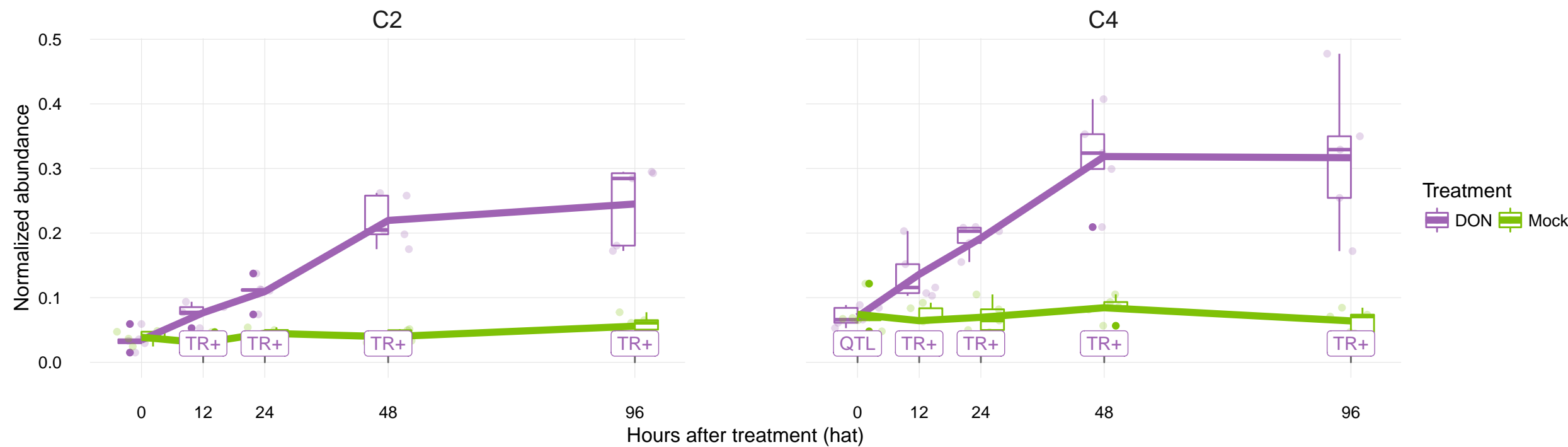


# A.102

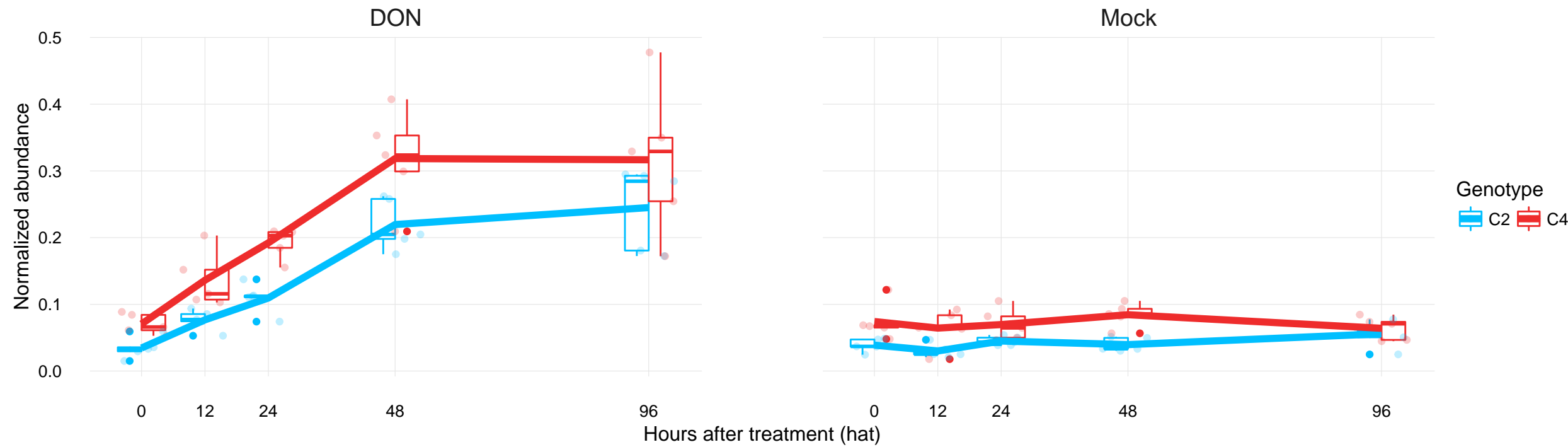
Annotated as Putative benzoic acid derivative  
(1 database hit)

MZ	137.0597
RT	16.81 min
Normalization	Directly via KPX samples
Cluster	Cluster 3
Cn total / Phe	8 / 7

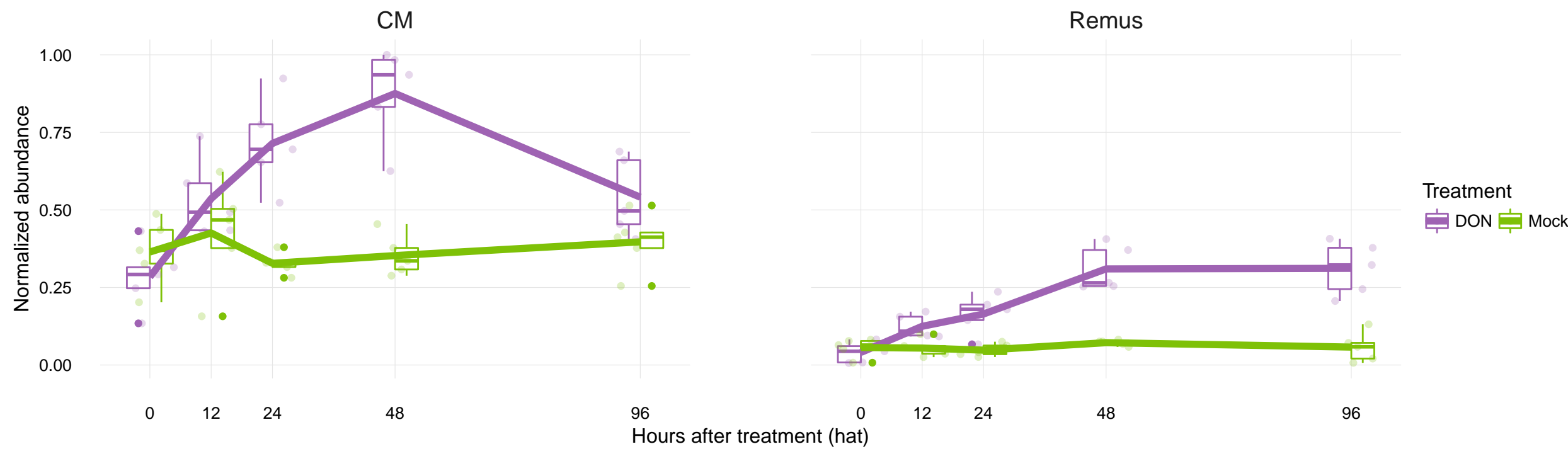
## C2, C4; different treatments



## DON, Mock; different genotypes



## CM, Remus; different treatments



## DON, Mock; all four genotypes

