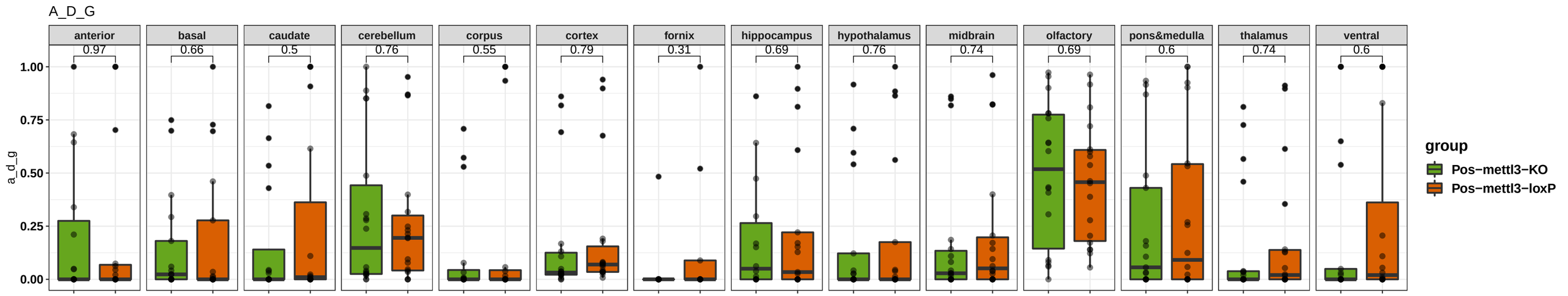
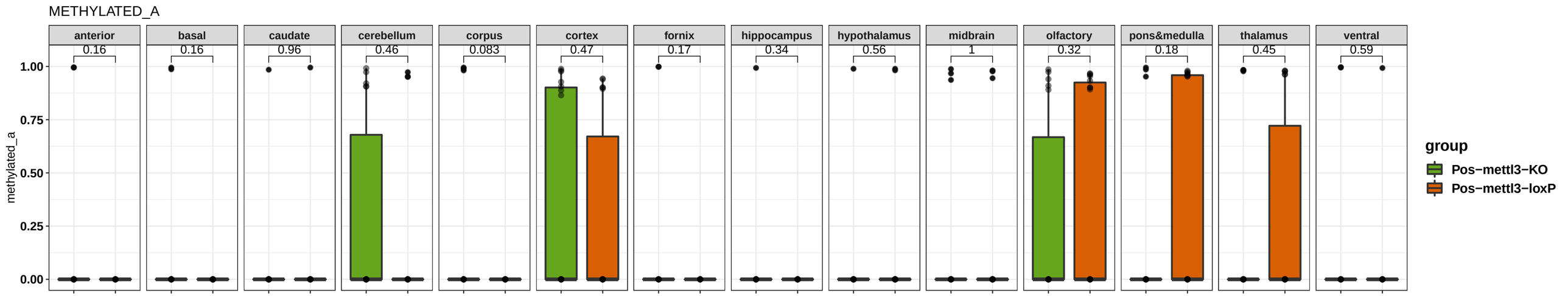
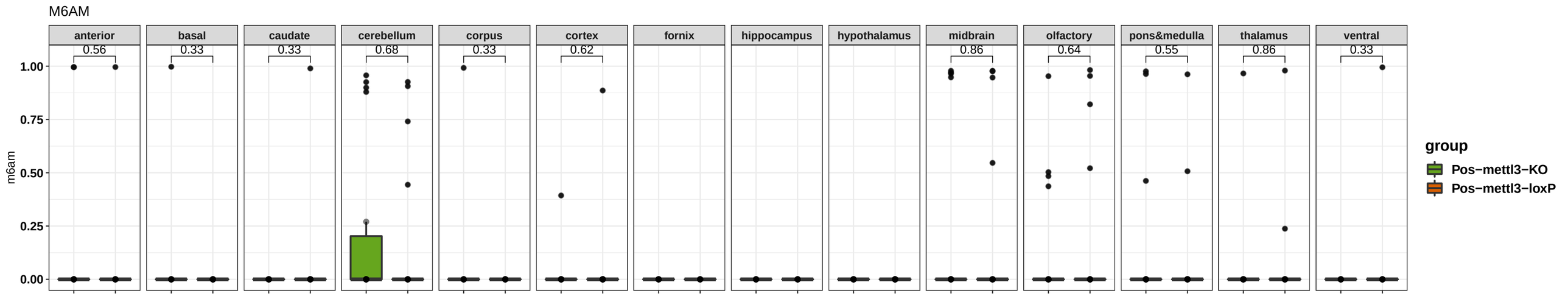
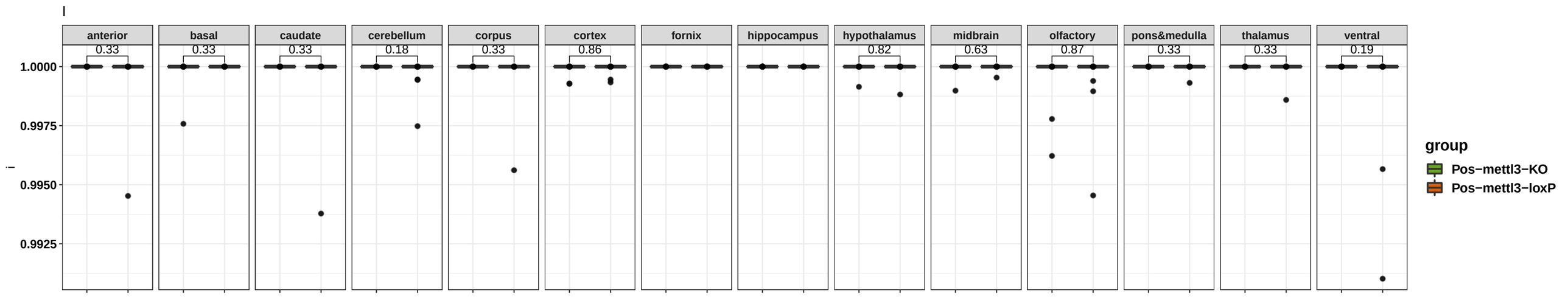
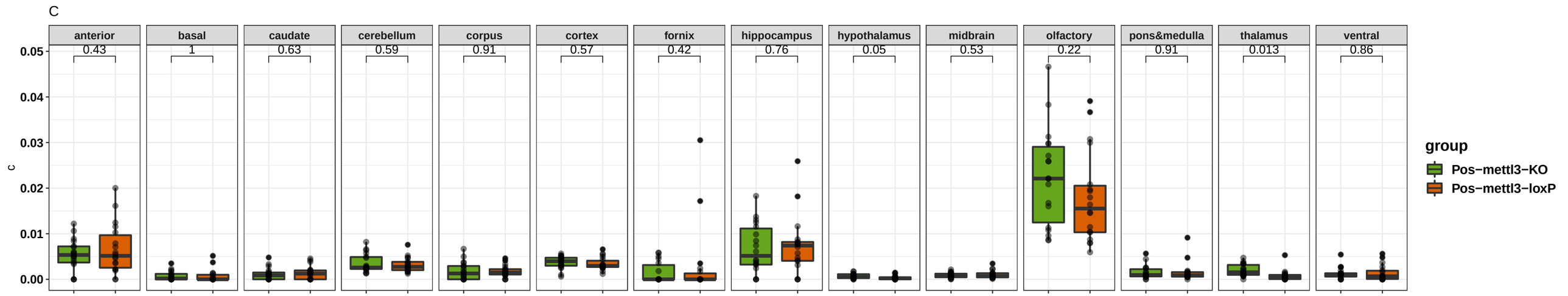
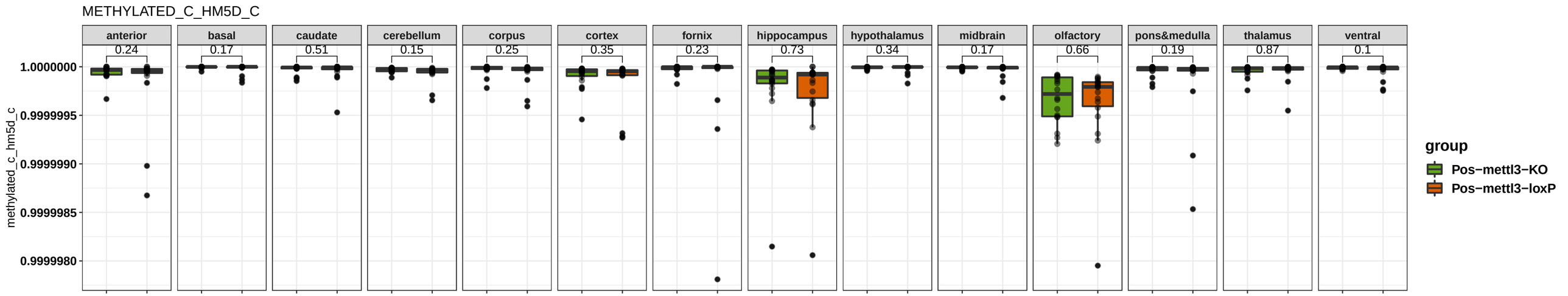

A_D_G
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.97
0.66
0.5
0.76
0.55
0.79
0.31
0.69
0.76
0.74
0.69
0.6
0.74
0.6
a_d_g
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


METHYLATED_A
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.16
0.16
0.96
0.46
0.083
0.47
0.17
0.34
0.56
1
0.32
0.18
0.45
0.59
methylated_a
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


M6AM
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.56
0.33
0.33
0.68
0.33
0.62
0.86
0.64
0.55
0.86
0.33
m6am
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.33
0.33
0.33
0.18
0.33
0.86
0.82
0.63
0.87
0.33
0.33
0.19
1.0000
0.9975
0.9950
0.9925
group
Pos−mettl3−KO
Pos−mettl3−loxP


C
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.43
1
0.63
0.59
0.91
0.57
0.42
0.76
0.05
0.53
0.22
0.91
0.013
0.86
c
0.05
0.04
0.03
0.02
0.01
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


METHYLATED_C_HM5D_C
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.24
0.17
0.51
0.15
0.25
0.35
0.23
0.73
0.34
0.17
0.66
0.19
0.87
0.1
methylated_c_hm5d_c
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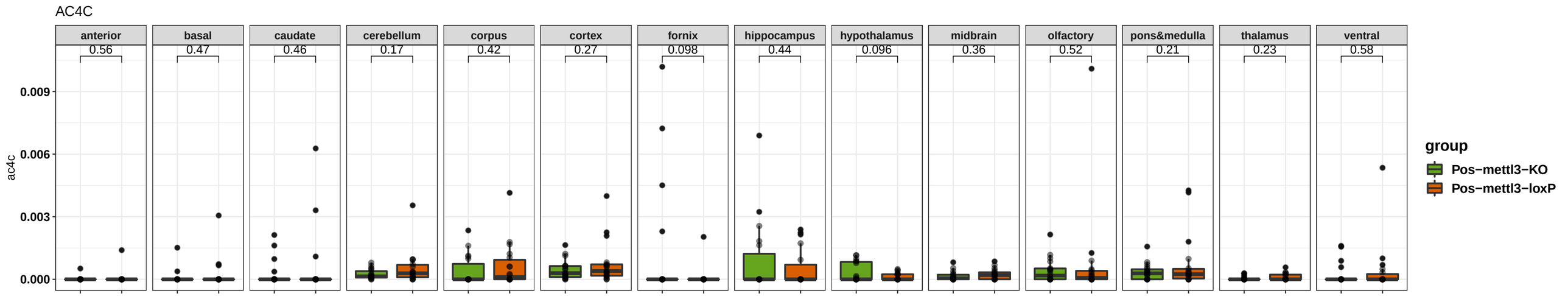
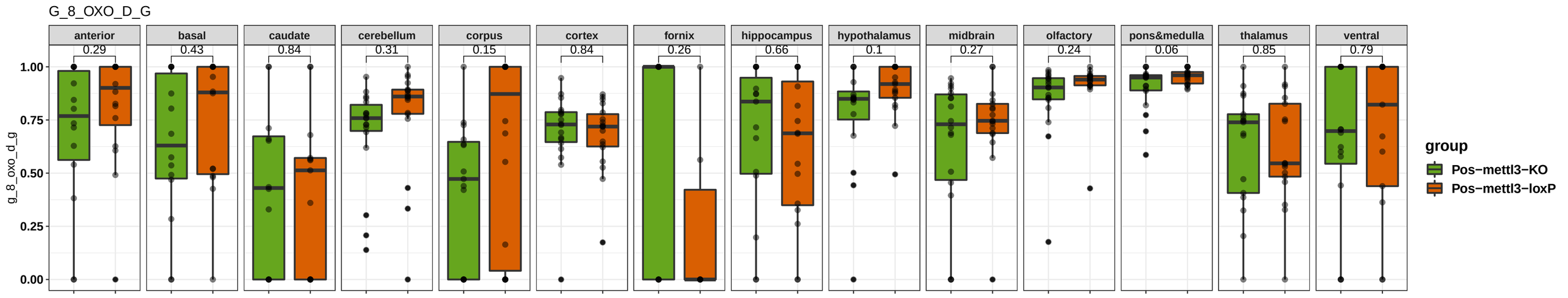
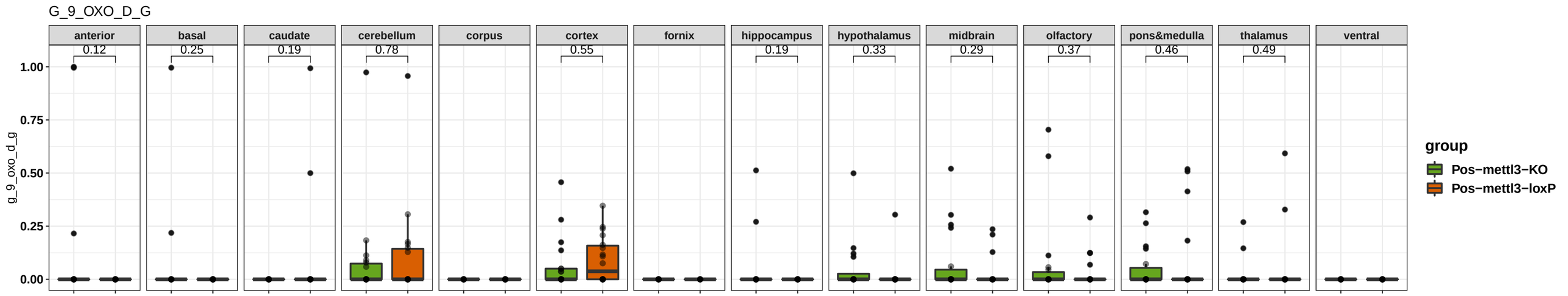
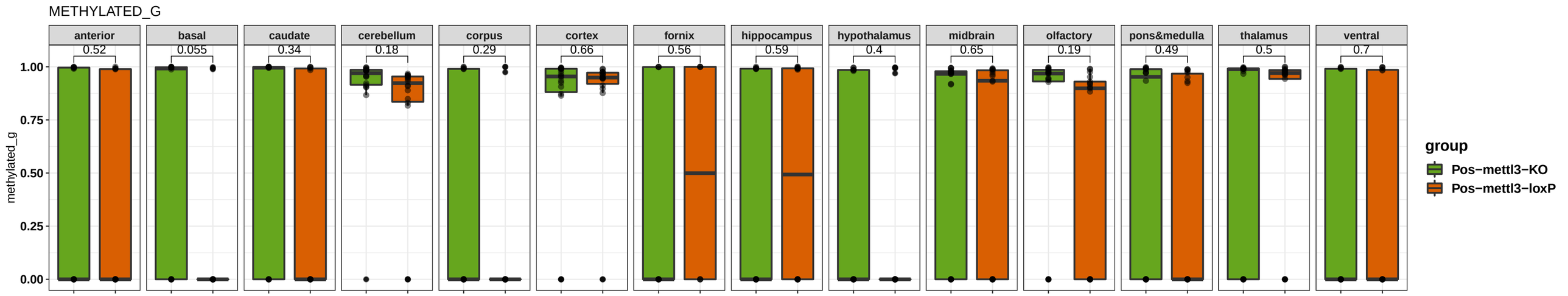
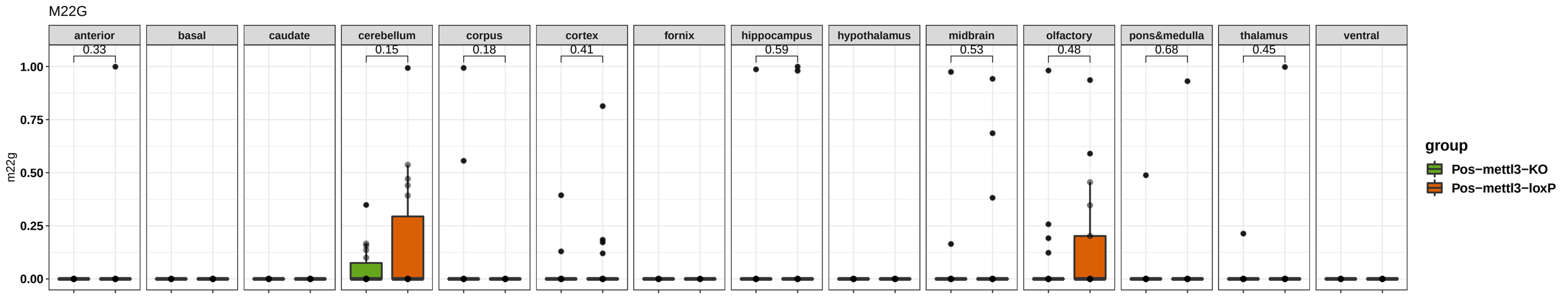
0.9999990
0.9999985
0.9999980
group
Pos−mettl3−KO
Pos−mettl3−loxP


AC4C
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.56
0.47
0.46
0.17
0.42
0.27
0.098
0.44
0.096
0.36
0.52
0.21
0.23
0.58
ac4c
0.009
0.006
0.003
0.000
group
Pos−mettl3−KO
Pos−mettl3−loxP


G_8_OXO_D_G
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.29
0.43
0.84
0.31
0.15
0.84
0.26
0.66
0.1
0.27
0.24
0.06
0.85
0.79
g_8_oxo_d_g
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


G_9_OXO_D_G
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.12
0.25
0.19
0.78
0.55
0.19
0.33
0.29
0.37
0.46
0.49
g_9_oxo_d_g
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


METHYLATED_G
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.52
0.055
0.34
0.18
0.29
0.66
0.56
0.59
0.4
0.65
0.19
0.49
0.5
0.7
methylated_g
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP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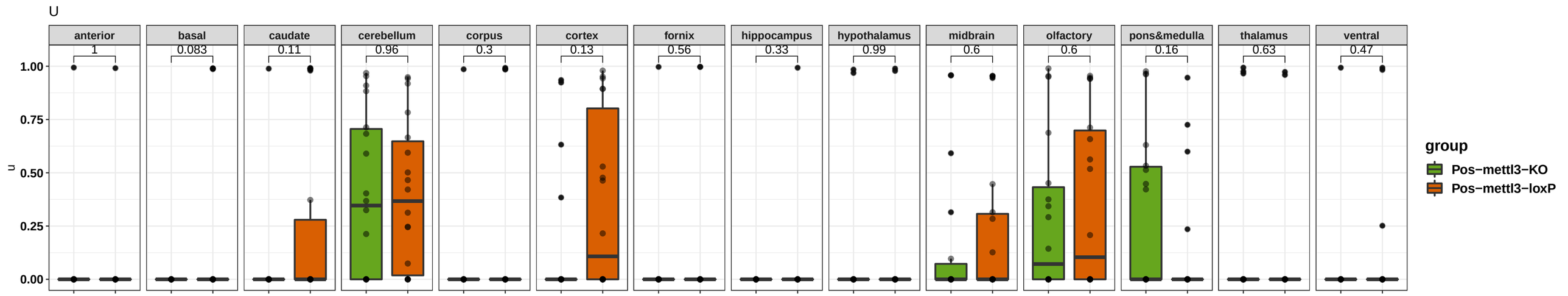
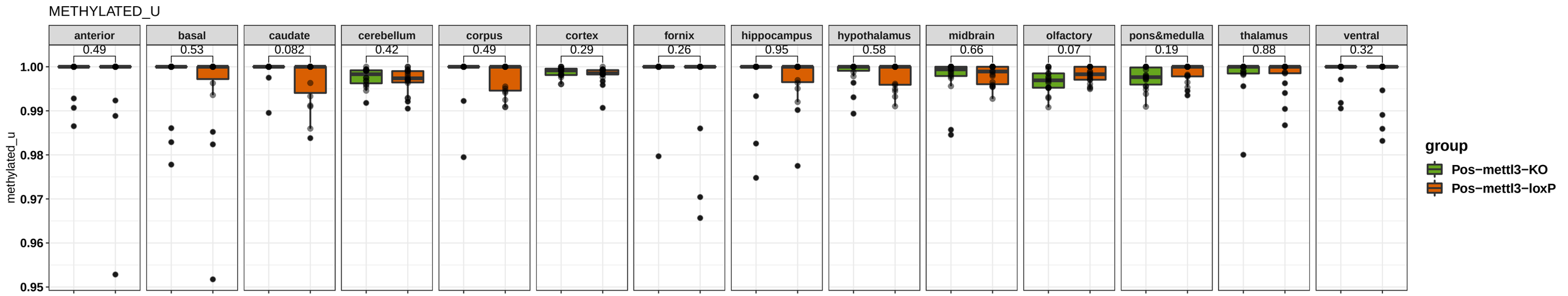
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.33
0.15
0.18
0.41
0.59
0.53
0.48
0.68
0.45
m22g
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


U
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
1
0.083
0.11
0.96
0.3
0.13
0.56
0.33
0.99
0.6
0.6
0.16
0.63
0.47
u
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


METHYLATED_U
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.49
0.53
0.082
0.42
0.49
0.29
0.26
0.95
0.58
0.66
0.07
0.19
0.88
0.32
methylated_u
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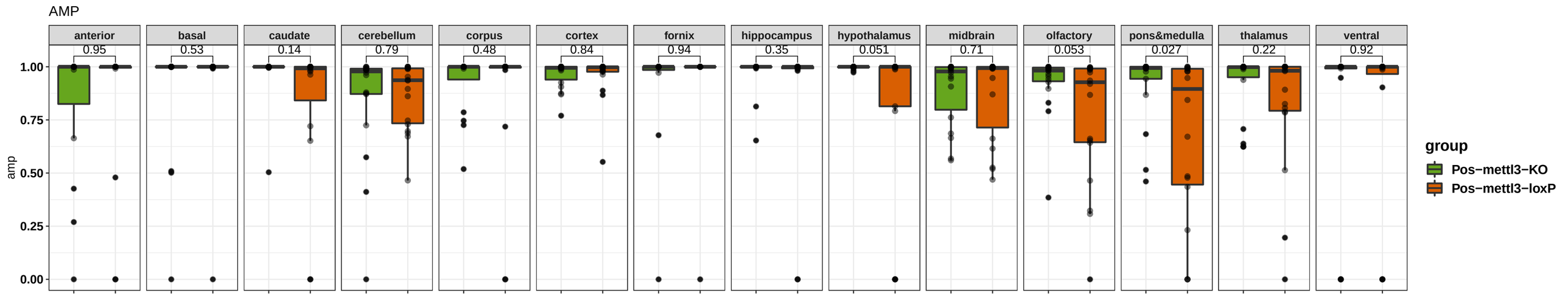
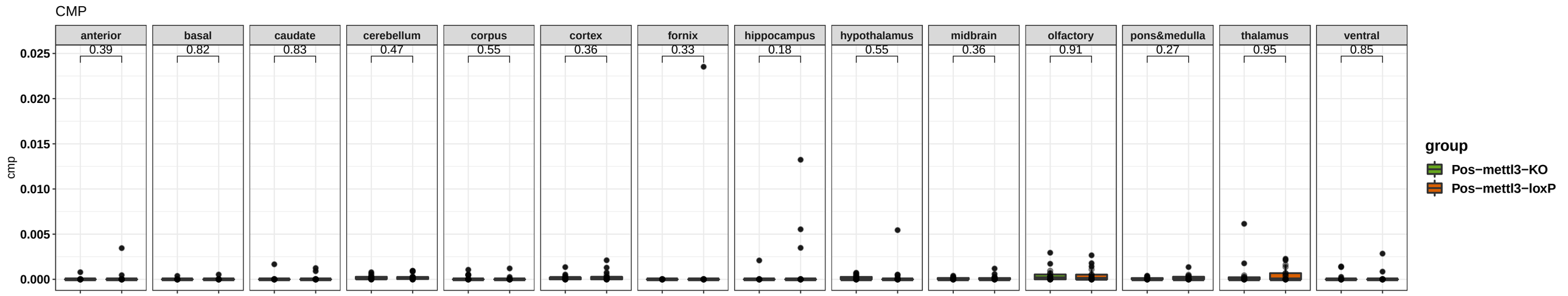
0.99
0.98
0.97
0.96
0.95
group
Pos−mettl3−KO
Pos−mettl3−loxP


AMP
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.95
0.53
0.14
0.79
0.48
0.84
0.94
0.35
0.051
0.71
0.053
0.027
0.22
0.92
amp
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


CMP
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.39
0.82
0.83
0.47
0.55
0.36
0.33
0.18
0.55
0.36
0.91
0.27
0.95
0.85
cmp
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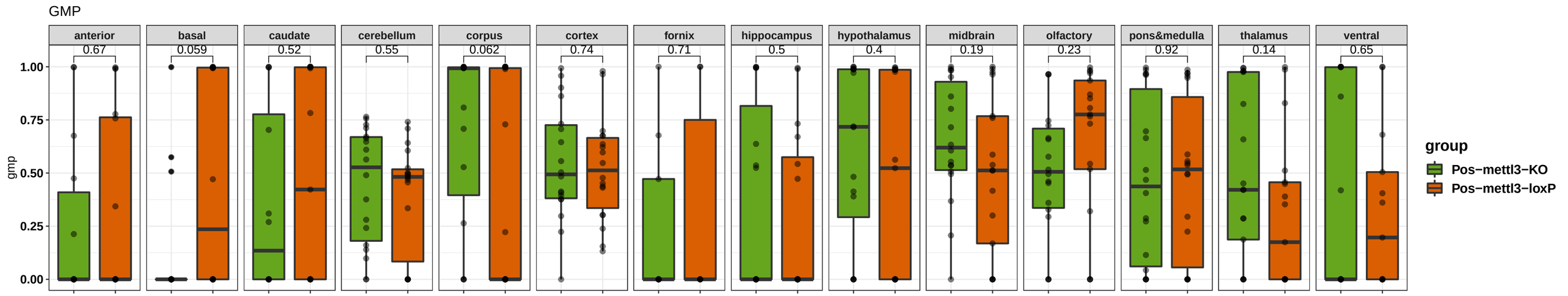
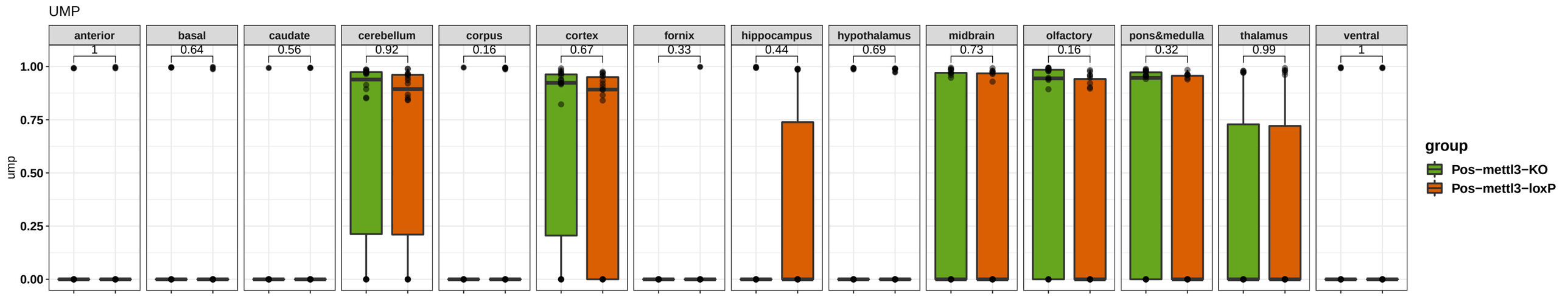
0.020
0.015
0.010
0.005
0.000
group
Pos−mettl3−KO
Pos−mettl3−loxP


GMP
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.67
0.059
0.52
0.55
0.062
0.74
0.71
0.5
0.4
0.19
0.23
0.92
0.14
0.65
gmp
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP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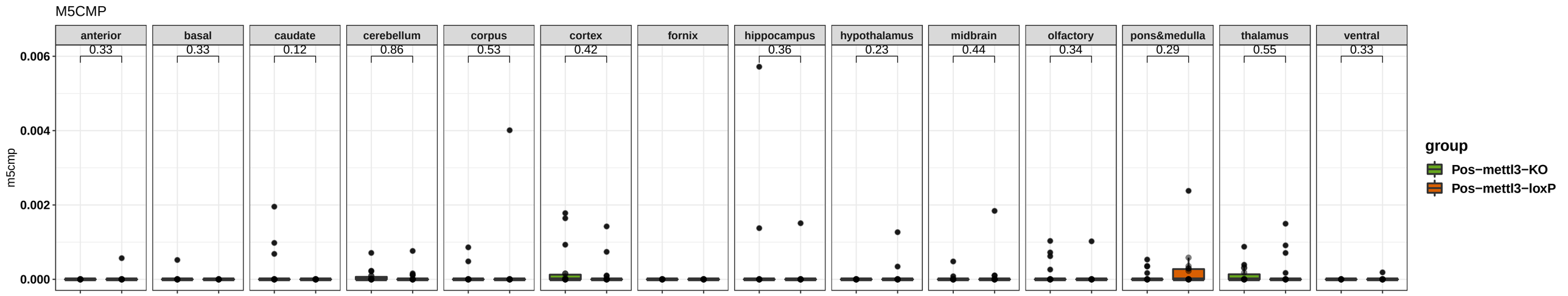
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
1
0.64
0.56
0.92
0.16
0.67
0.33
0.44
0.69
0.73
0.16
0.32
0.99
1
ump
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


M5CMP
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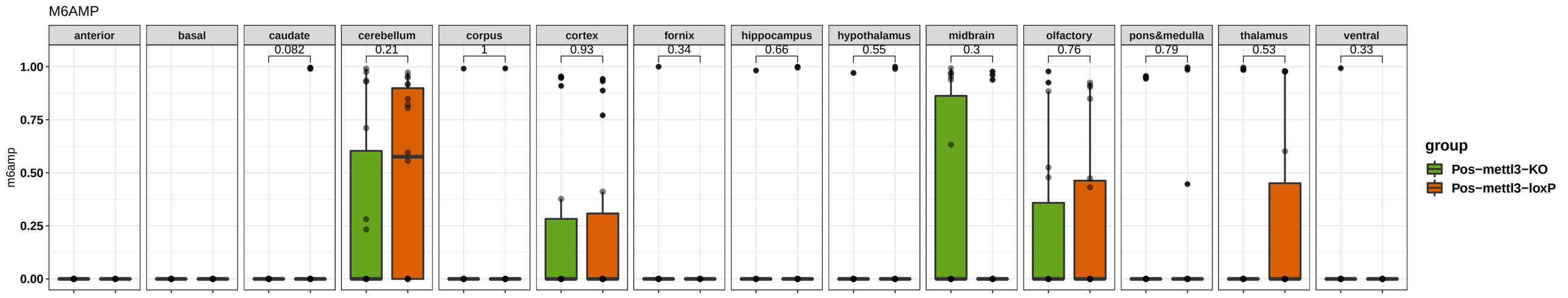
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.33
0.33
0.12
0.86
0.53
0.42
0.36
0.23
0.44
0.34
0.29
0.55
0.33
0.006
0.004
0.002
0.000
m5cmp
group
Pos−mettl3−KO
Pos−mettl3−loxP


M6AMP
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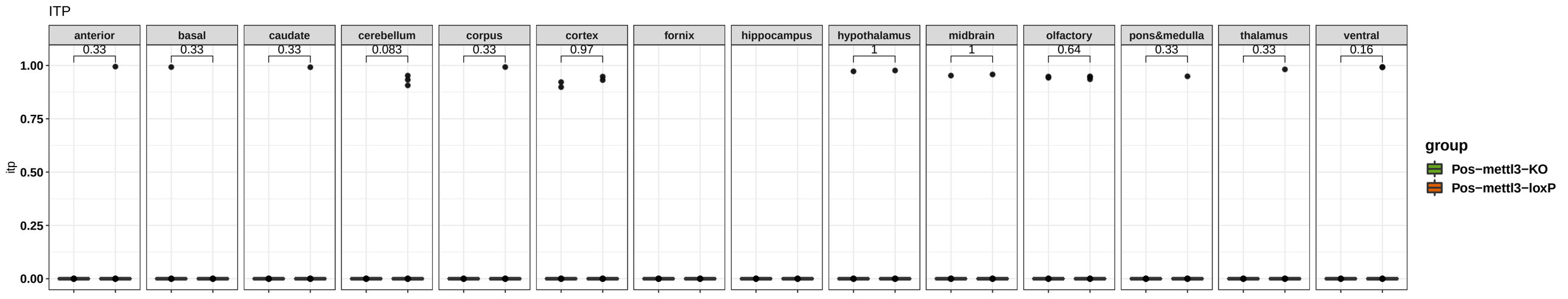
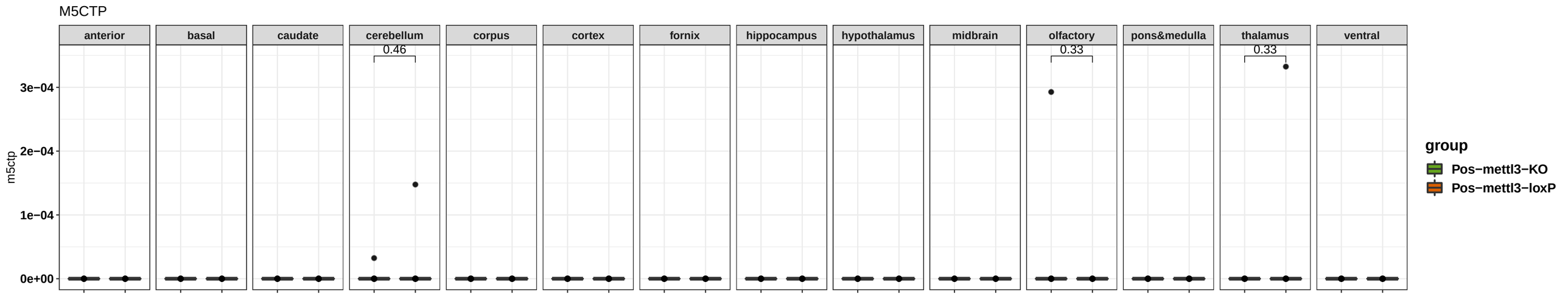
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.082
0.21
1
0.93
0.34
0.66
0.55
0.3
0.76
0.79
0.53
0.33
m6amp
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


ITP
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.33
0.33
0.33
0.083
0.33
0.97
1
1
0.64
0.33
0.33
0.16
itp
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


M5CTP
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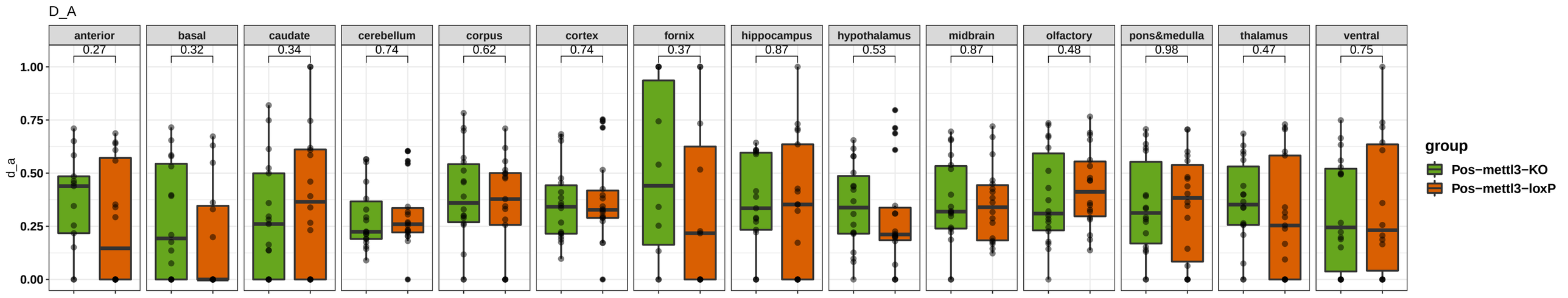
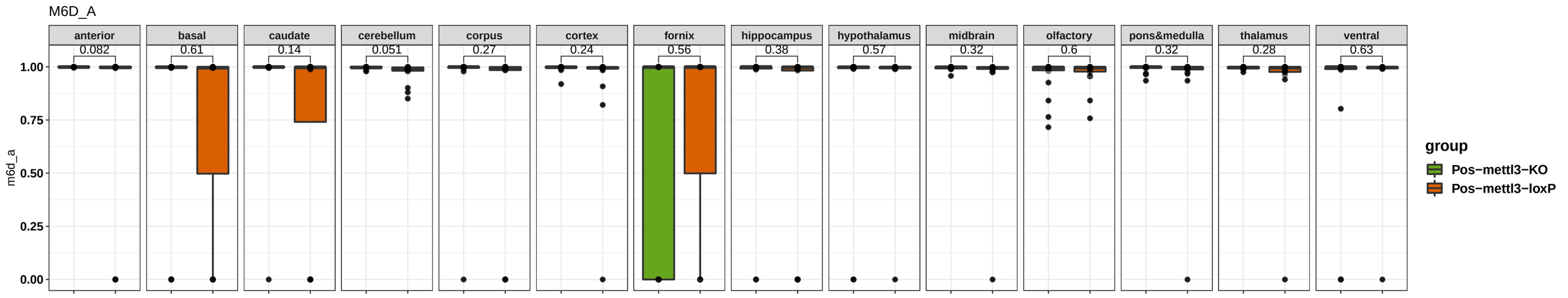
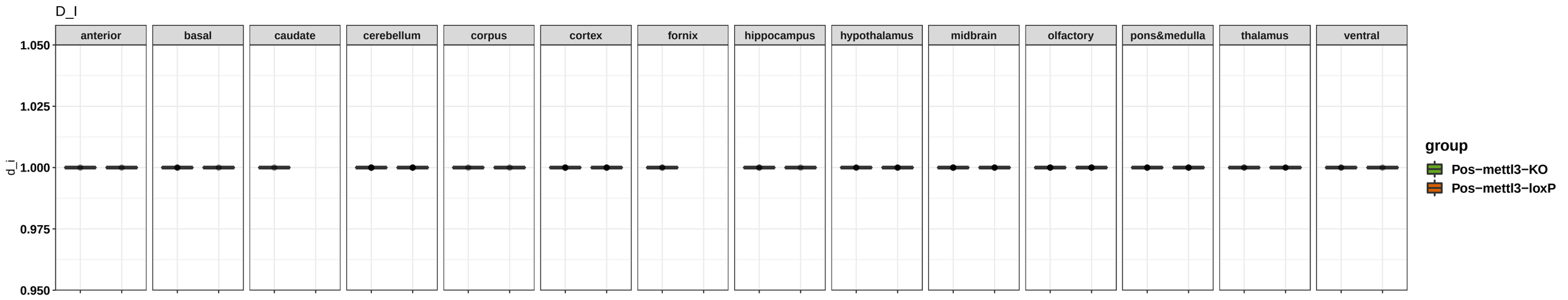
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.46
0.33
0.33
m5ctp
3e−04
2e−04
1e−04
0e+00
group
Pos−mettl3−KO
Pos−mettl3−loxP


D_A
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.27
0.32
0.34
0.74
0.62
0.74
0.37
0.87
0.53
0.87
0.48
0.98
0.47
0.75
d_a
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


M6D_A
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.082
0.61
0.14
0.051
0.27
0.24
0.56
0.38
0.57
0.32
0.6
0.32
0.28
0.63
m6d_a
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


D_I
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
d_i
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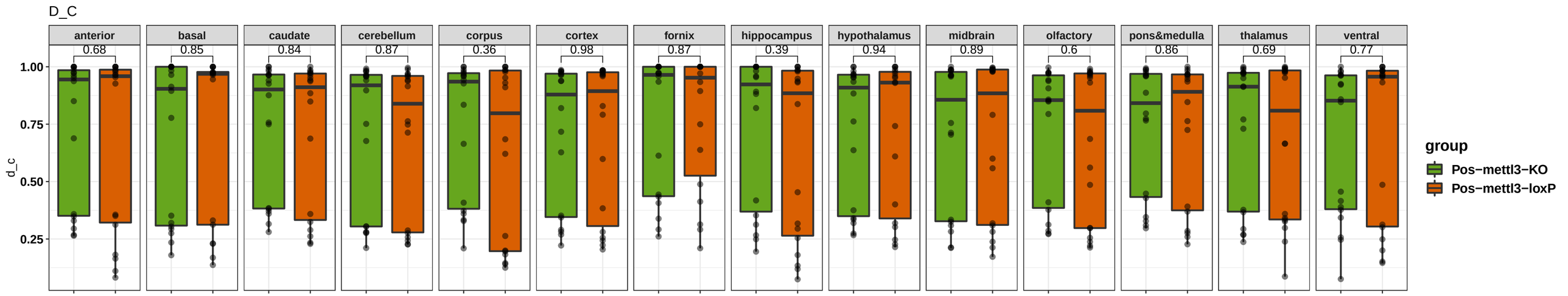
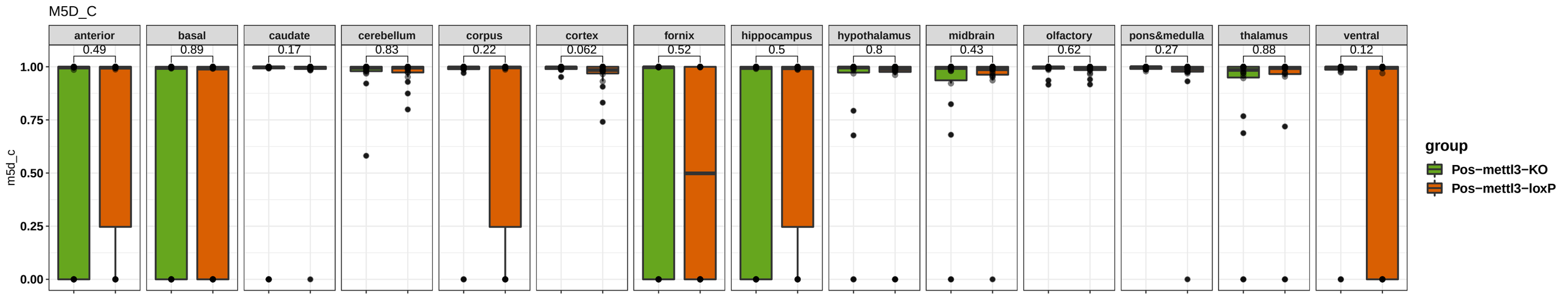
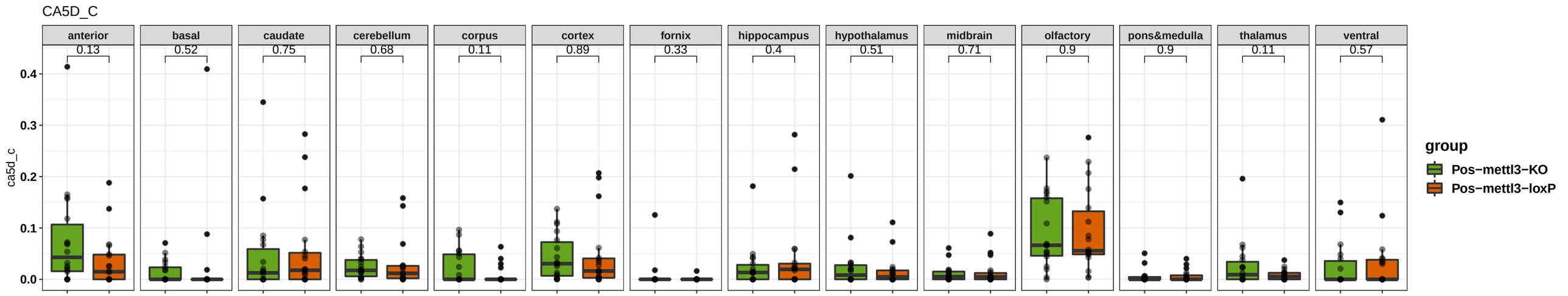
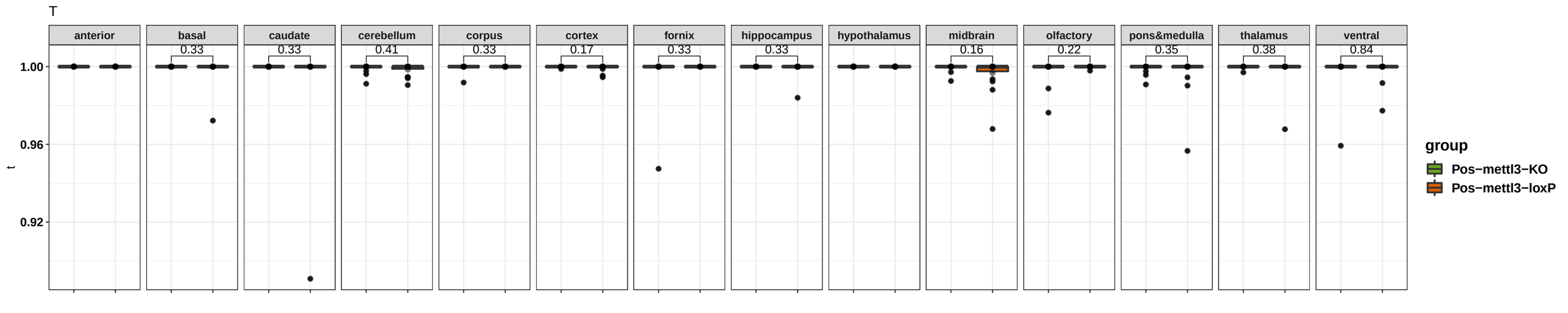
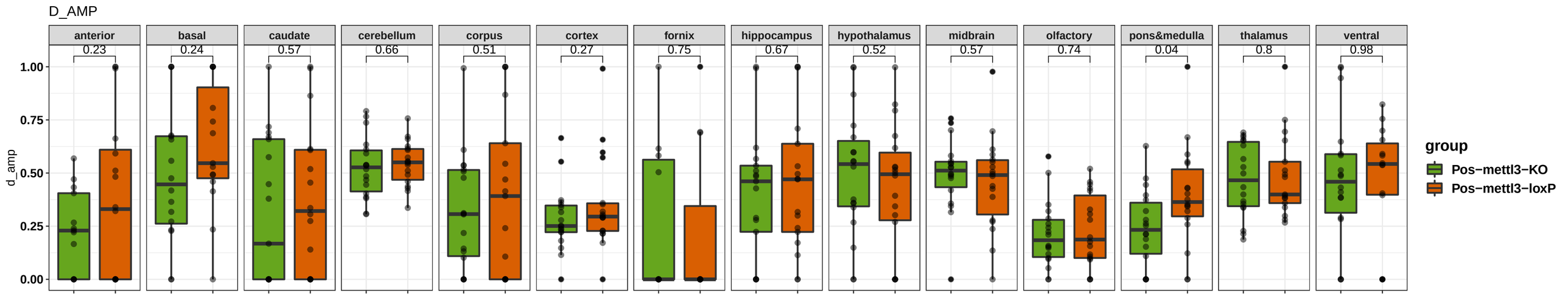
1.025
1.000
0.975
0.950
group
Pos−mettl3−KO
Pos−mettl3−loxP

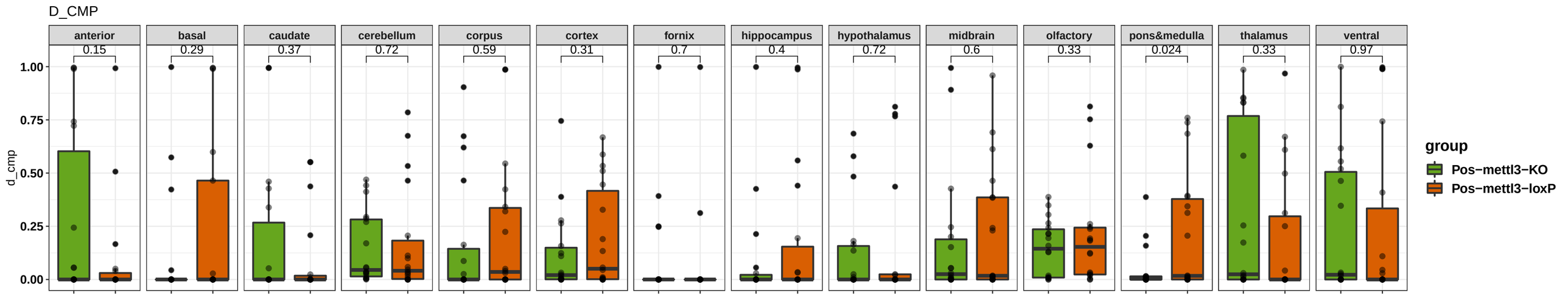

D_C
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.68
0.85
0.84
0.87
0.36
0.98
0.87
0.39
0.94
0.89
0.6
0.86
0.69
0.77
d_c
1.00
0.75
0.50
0.25
group
Pos−mettl3−KO
Pos−mettl3−loxP

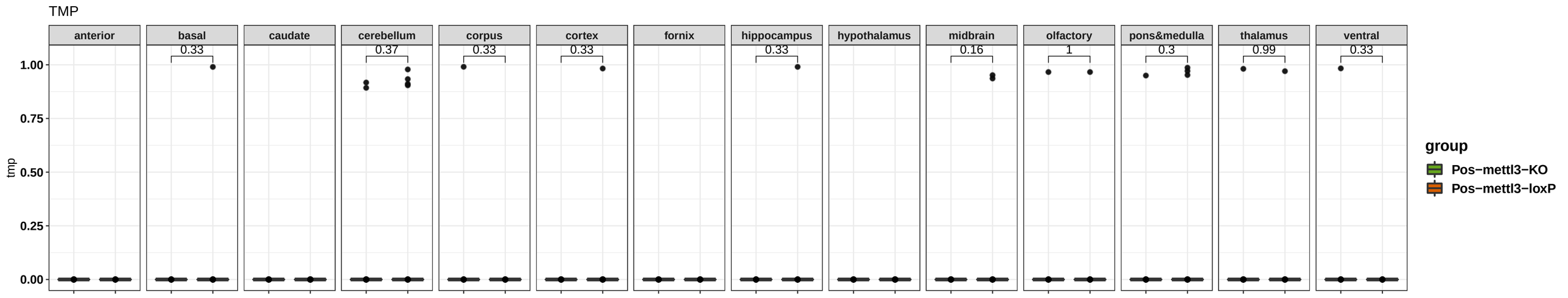

M5D_C
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.49
0.89
0.17
0.83
0.22
0.062
0.52
0.5
0.8
0.43
0.62
0.27
0.88
0.12
m5d_c
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP

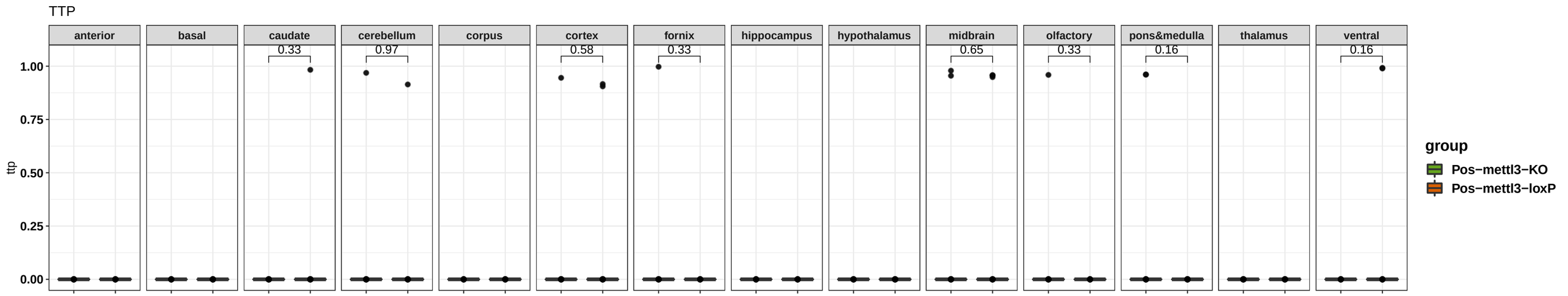

CA5D_C
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.13
0.52
0.75
0.68
0.11
0.89
0.33
0.4
0.51
0.71
0.9
0.9
0.11
0.57
ca5d_c
0.0
0.1
0.2
0.3
0.4
group
Pos−mettl3−KO
Pos−mettl3−loxP

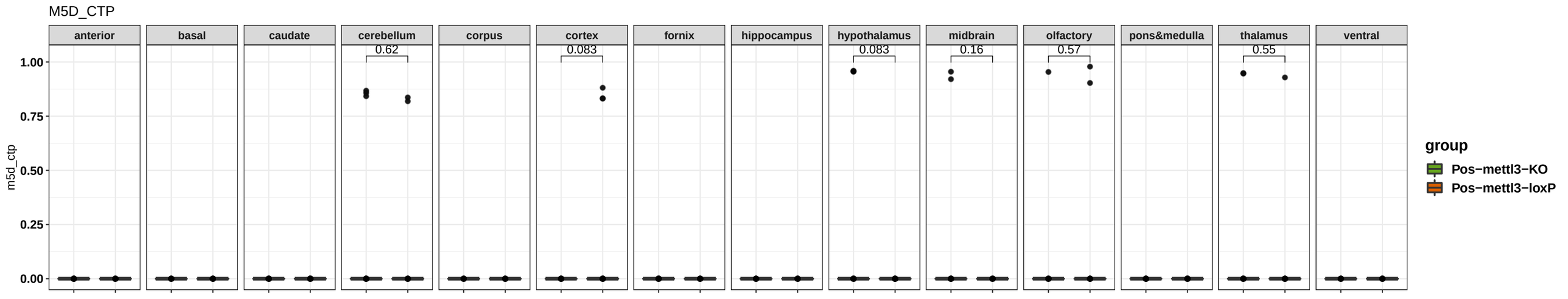

T
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.33
0.33
0.41
0.33
0.17
0.33
0.33
0.16
0.22
0.35
0.38
0.84
t
1.00
0.96
0.92
group
Pos−mettl3−KO
Pos−mettl3−loxP

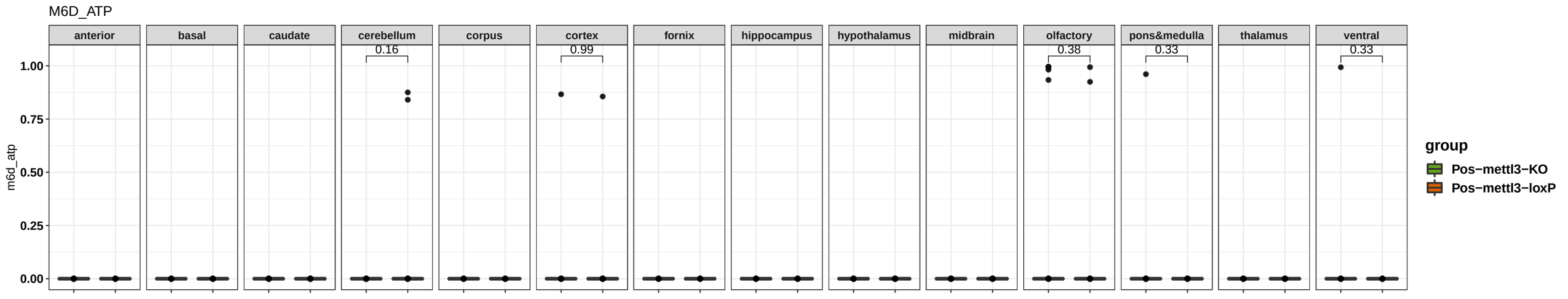

D_AMP
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.23
0.24
0.57
0.66
0.51
0.27
0.75
0.67
0.52
0.57
0.74
0.04
0.8
0.98
d_amp
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP

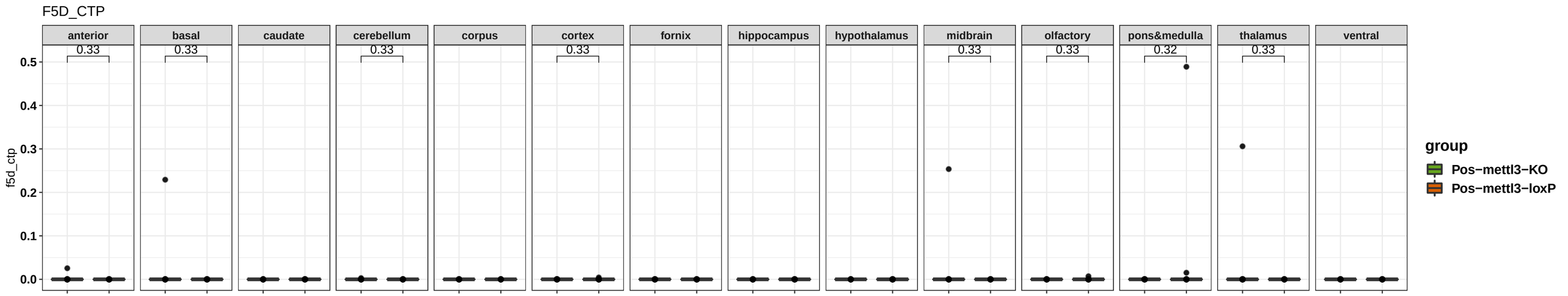

D_CMP
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.15
0.29
0.37
0.72
0.59
0.31
0.7
0.4
0.72
0.6
0.33
0.024
0.33
0.97
d_cmp
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP

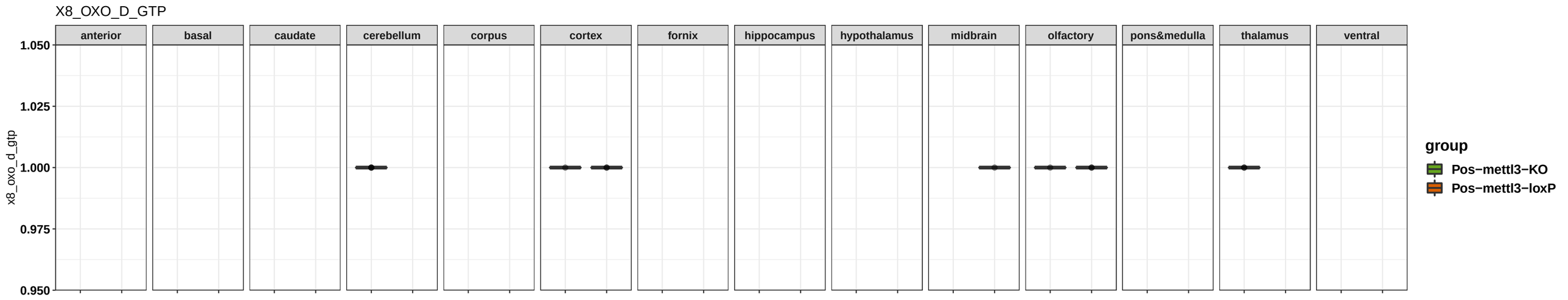

TMP
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.33
0.37
0.33
0.33
0.33
0.16
1
0.3
0.99
0.33
tmp
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


TTP
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.33
0.97
0.58
0.33
0.65
0.33
0.16
0.16
ttp
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


M5D_CTP
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.62
0.083
0.083
0.16
0.57
0.55
m5d_ctp
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


M6D_ATP
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.16
0.99
0.38
0.33
0.33
m6d_atp
1.00
0.75
0.50
0.25
0.00
group
Pos−mettl3−KO
Pos−mettl3−loxP


F5D_CTP
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
0.33
0.33
0.33
0.33
0.33
0.33
0.32
0.33
f5d_ctp
0.5
0.4
0.3
0.2
0.1
0.0
group
Pos−mettl3−KO
Pos−mettl3−loxP


X8_OXO_D_GTP
anterior
basal
caudate
cerebellum
corpus
cortex
fornix
hippocampus
hypothalamus
midbrain
olfactory
pons&medulla
thalamus
ventral
x8_oxo_d_gtp
1.050
1.025
1.000
0.975
0.950
group
Pos−mettl3−KO
Pos−mettl3−loxP