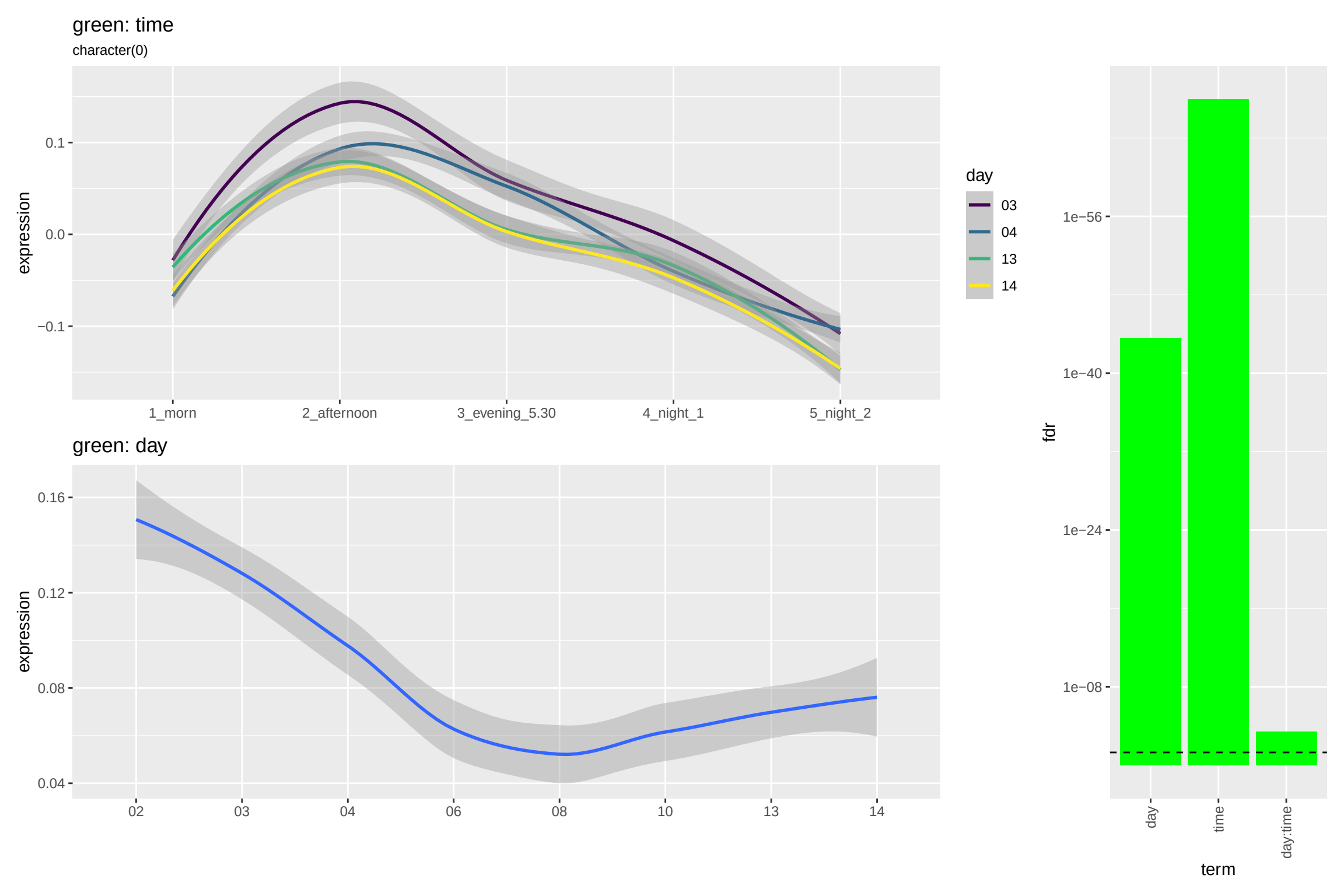
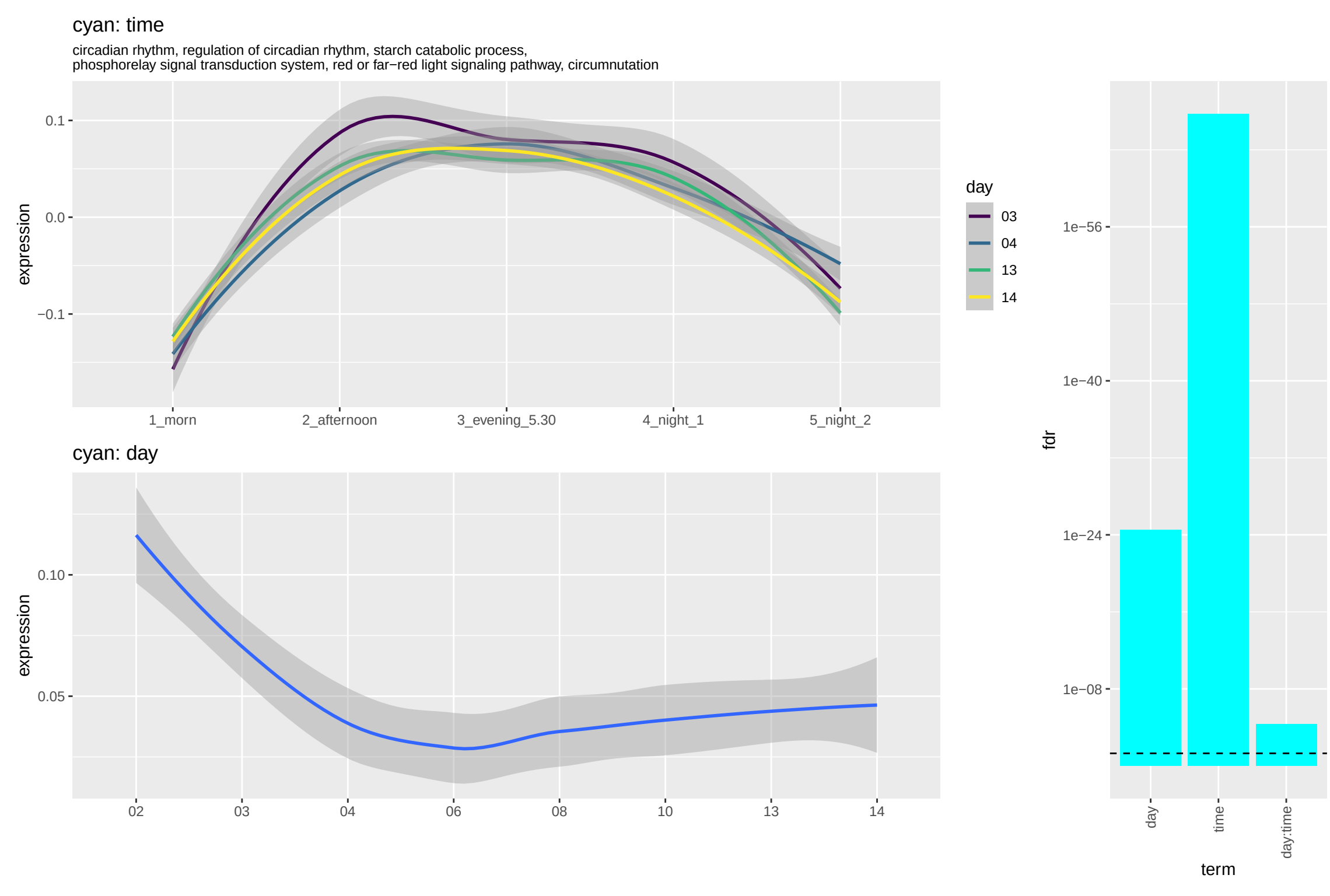
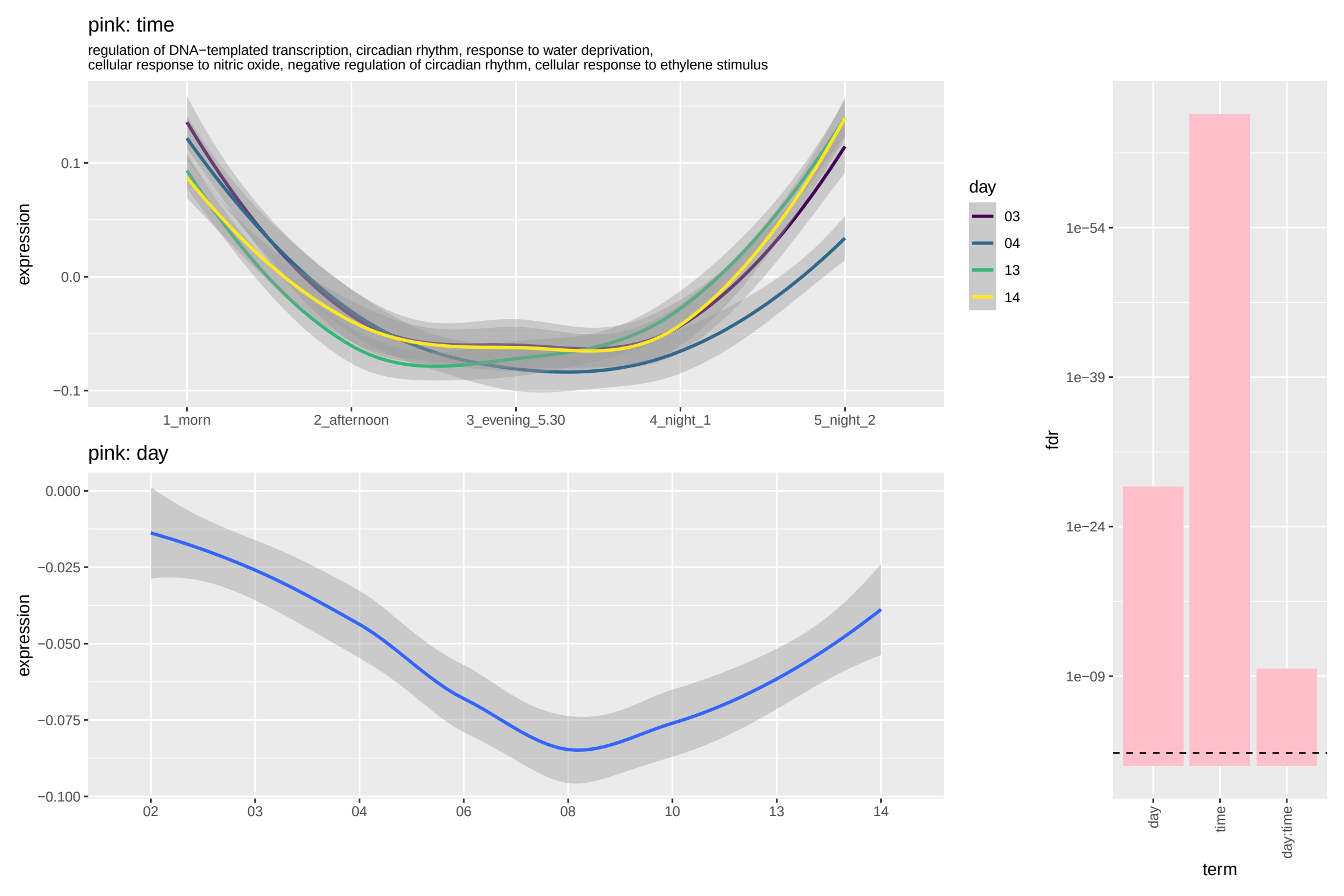
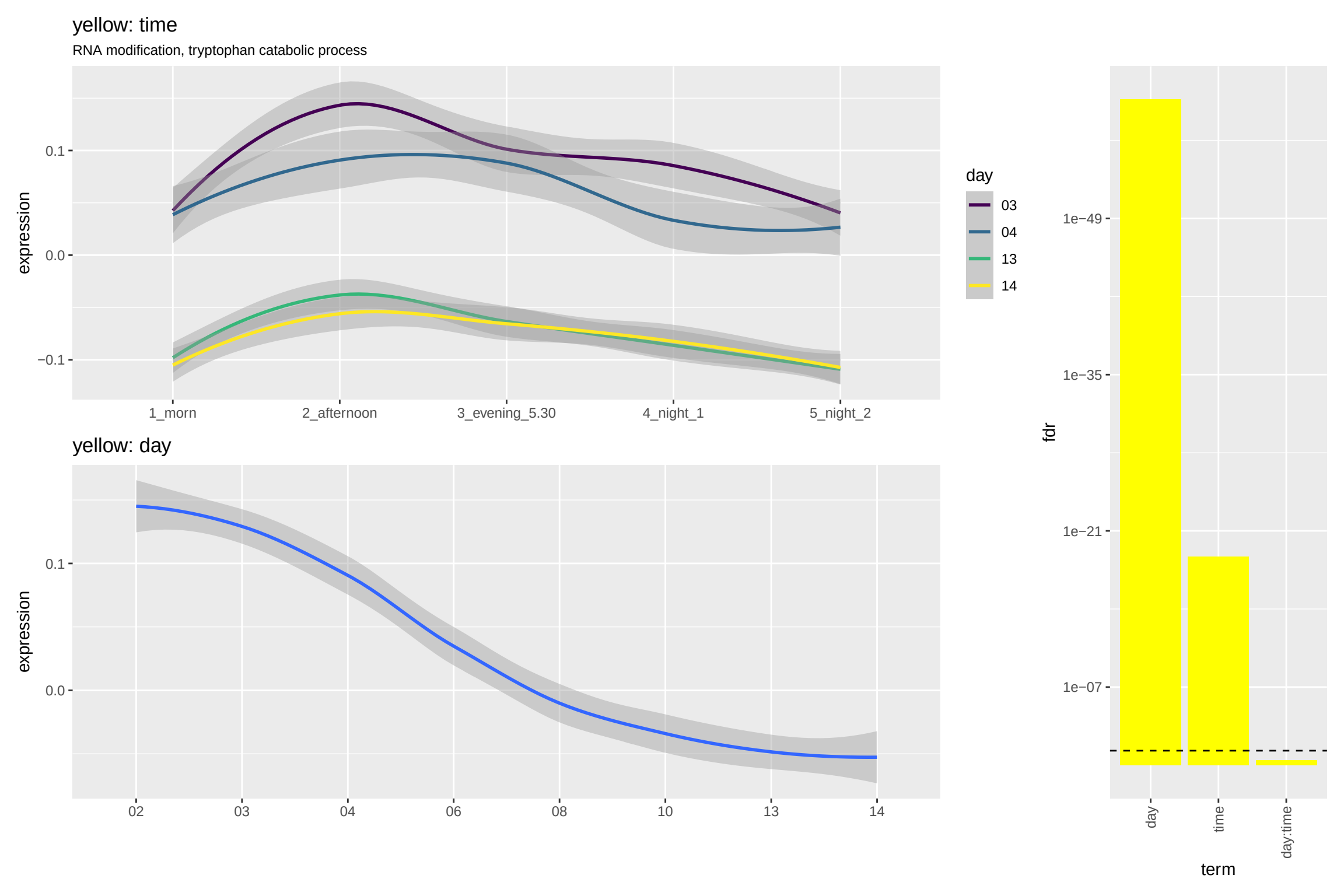
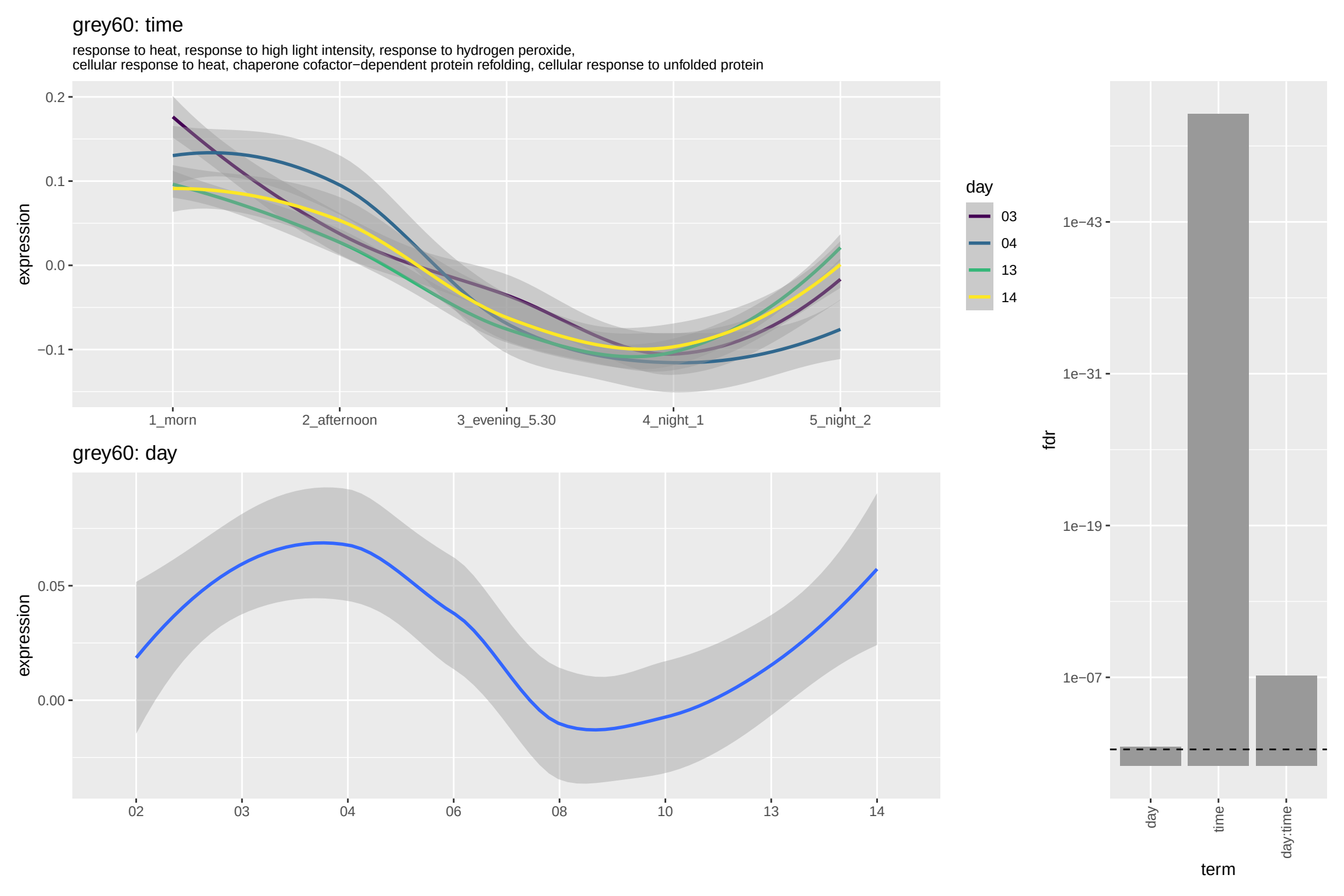
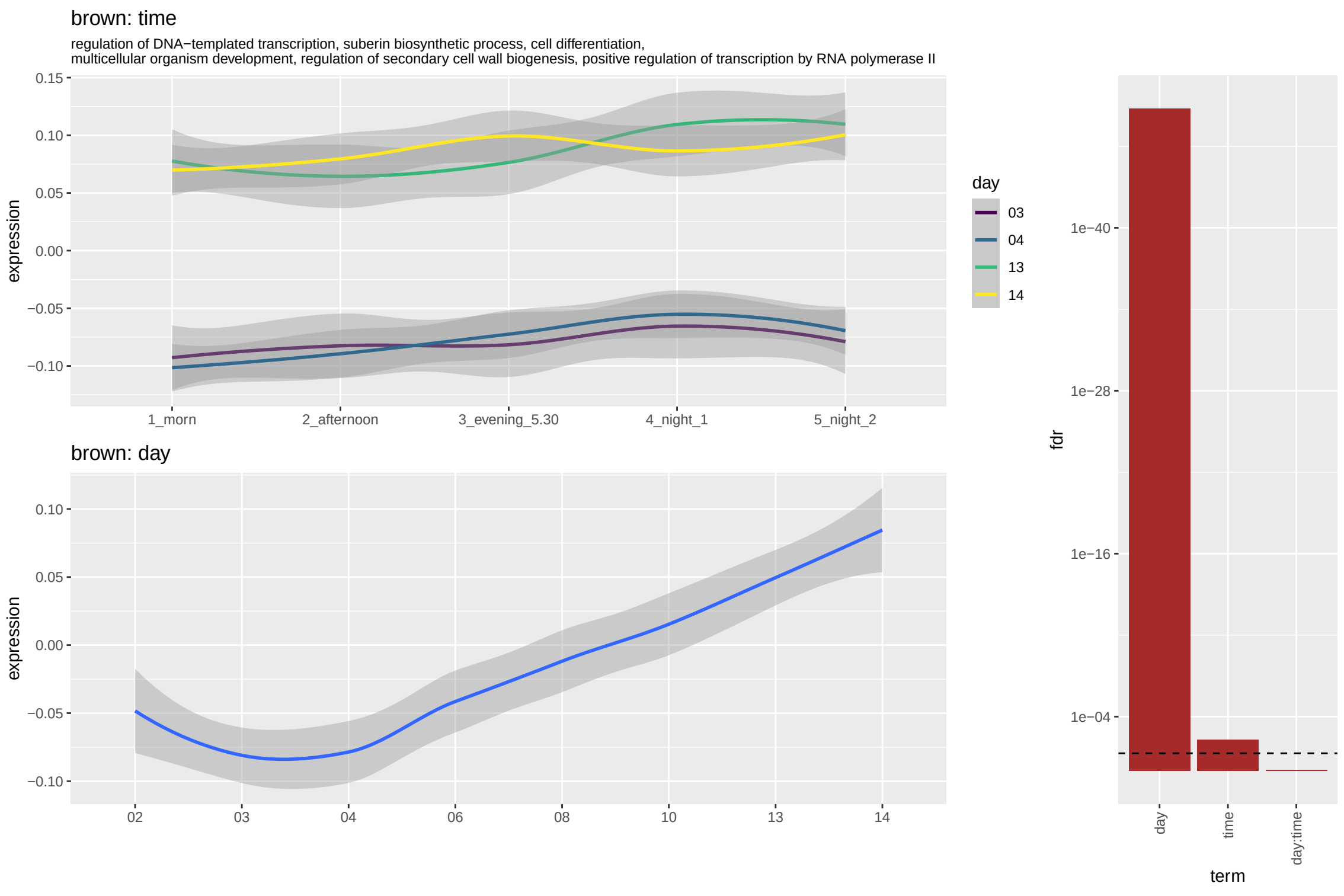

green: time
character(0)
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
green: day
expression
0.16
0.12
0.08
0.04
02
03
04
06
08
10
13
14
fdr
1e−56
1e−40
1e−24
1e−08
day
time
day:time
term

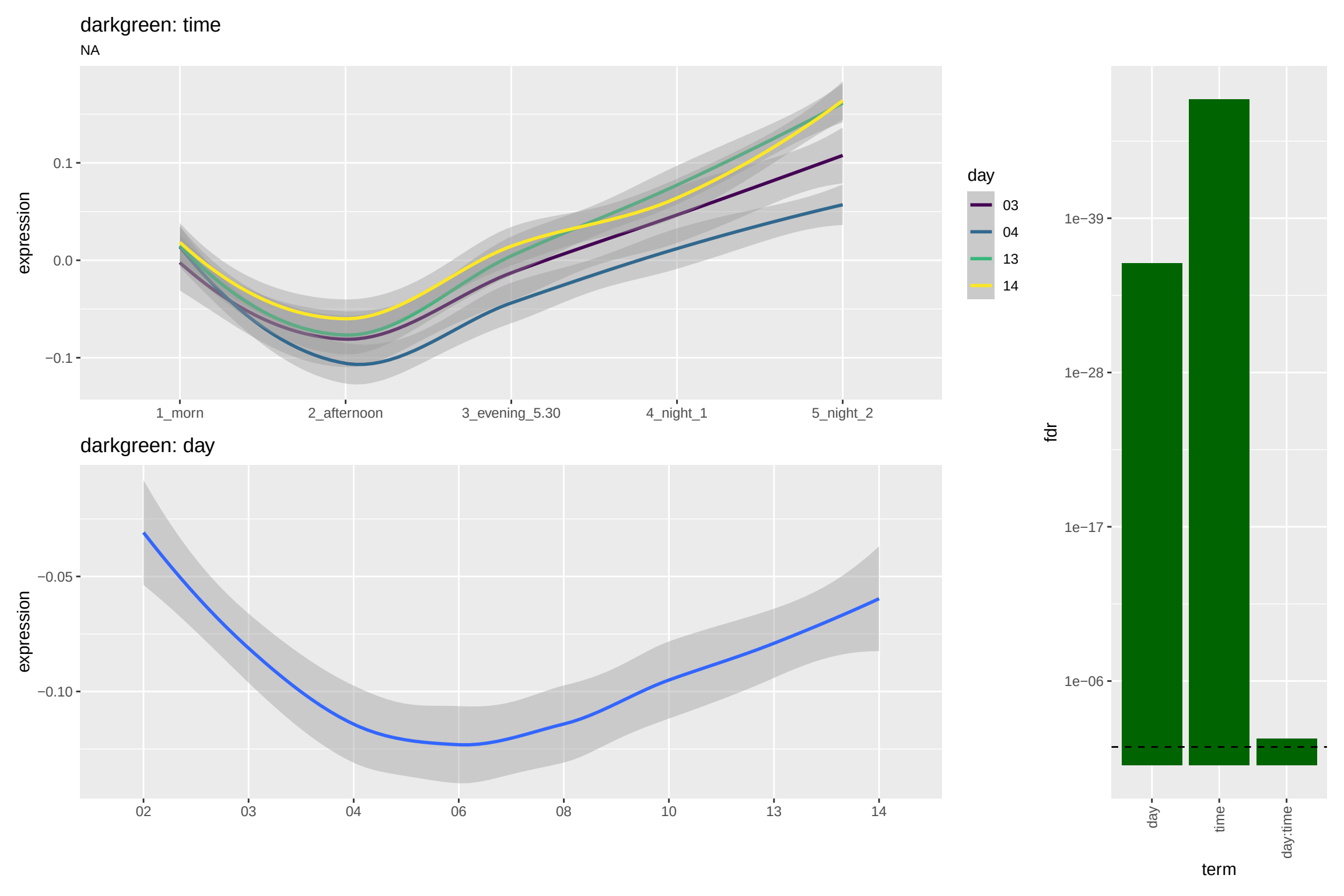

cyan: time
circadian rhythm, regulation of circadian rhythm, starch catabolic process,
phosphorelay signal transduction system, red or far−red light signaling pathway, circumnutation
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
cyan: day
expression
0.10
0.05
02
03
04
06
08
10
13
14
fdr
1e−56
1e−40
1e−24
1e−08
day
time
day:time
term

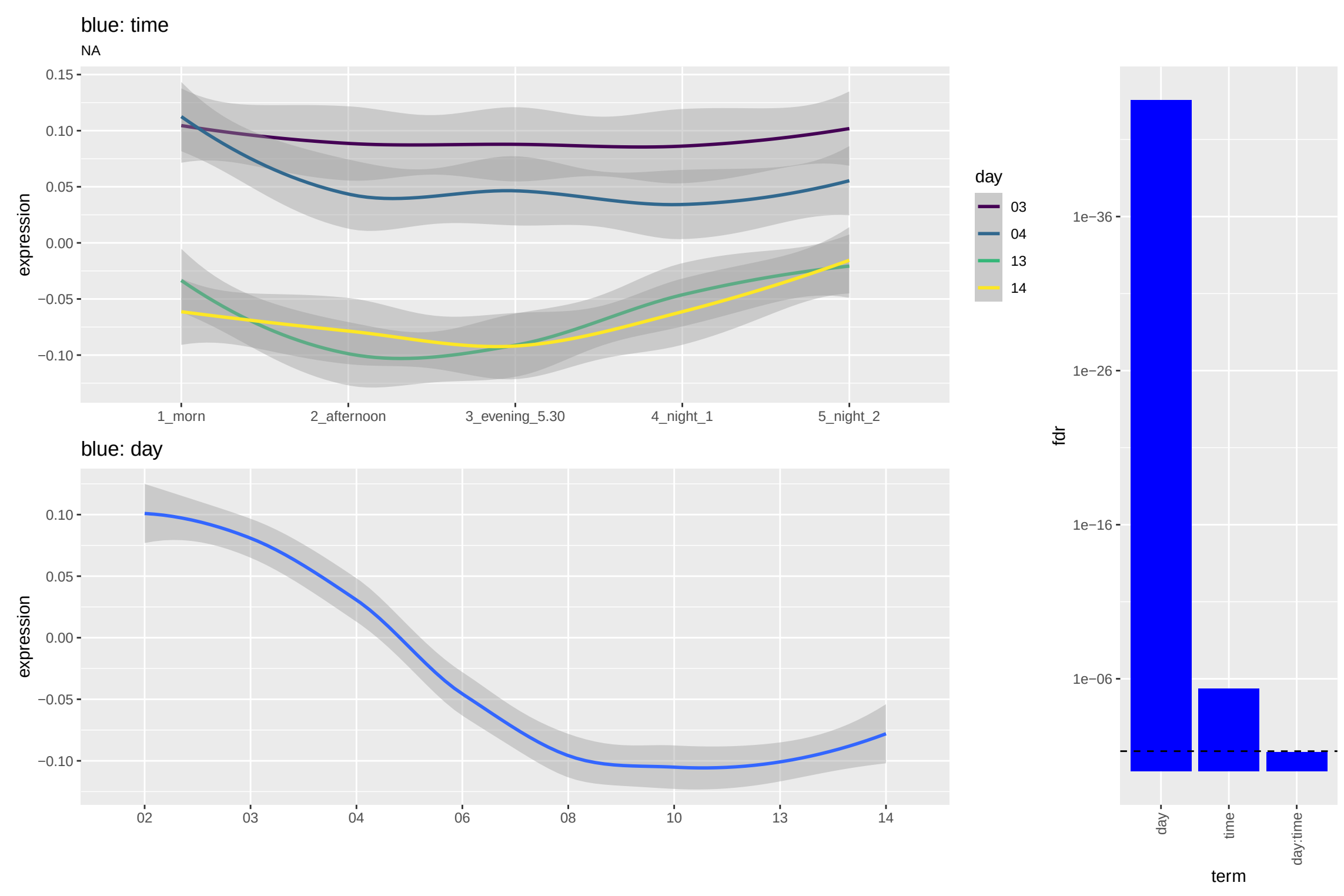

pink: time
regulation of DNA−templated transcription, circadian rhythm, response to water deprivation,
cellular response to nitric oxide, negative regulation of circadian rhythm, cellular response to ethylene stimulus
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
pink: day
expression
0.000
−0.025
−0.050
−0.075
−0.100
02
03
04
06
08
10
13
14
fdr
1e−54
1e−39
1e−24
1e−09
day
time
day:time
term

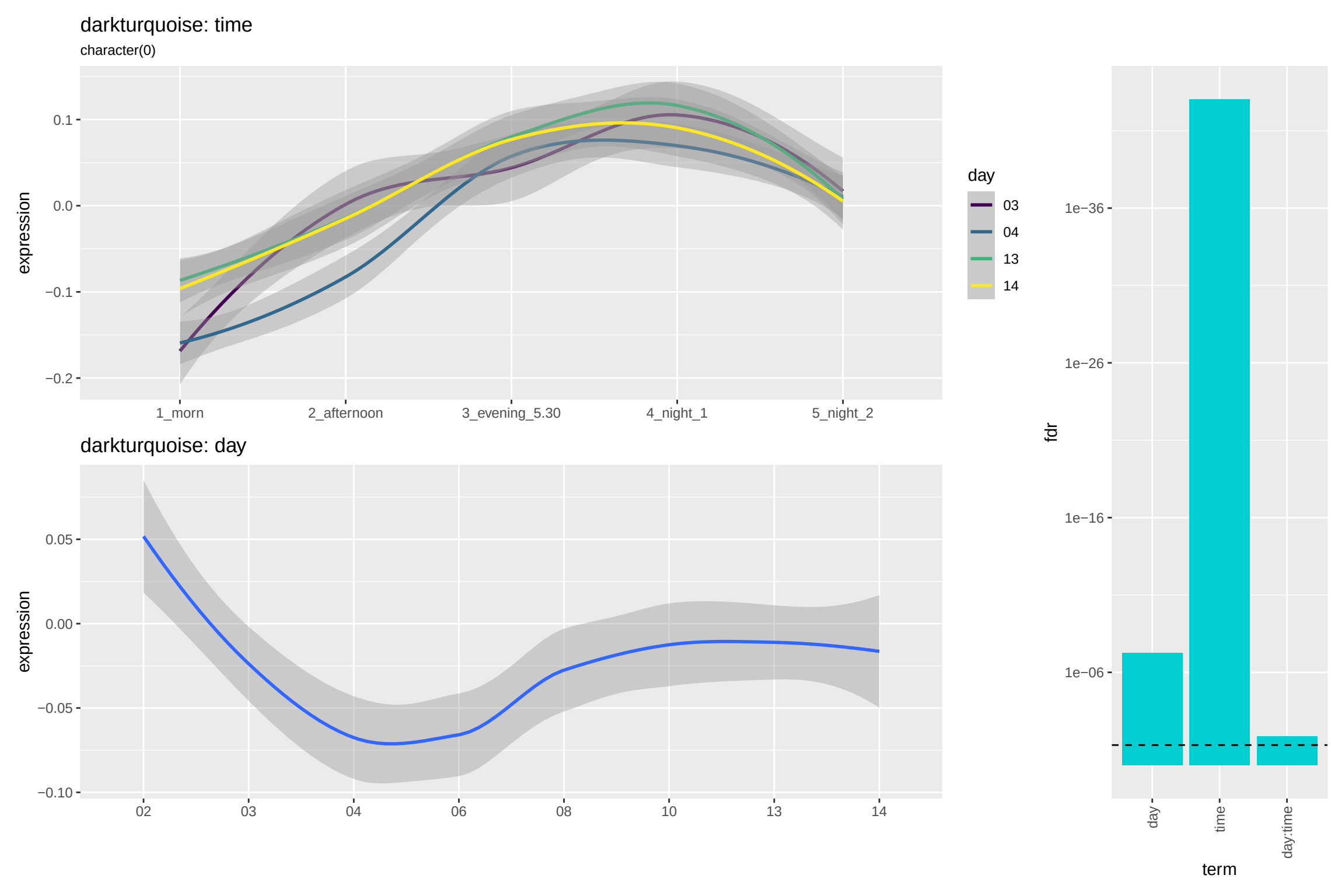

yellow: time
RNA modification, tryptophan catabolic process
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
yellow: day
expression
0.1
0.0
02
03
04
06
08
10
13
14
fdr
1e−49
1e−35
1e−21
1e−07
day
time
day:time
term

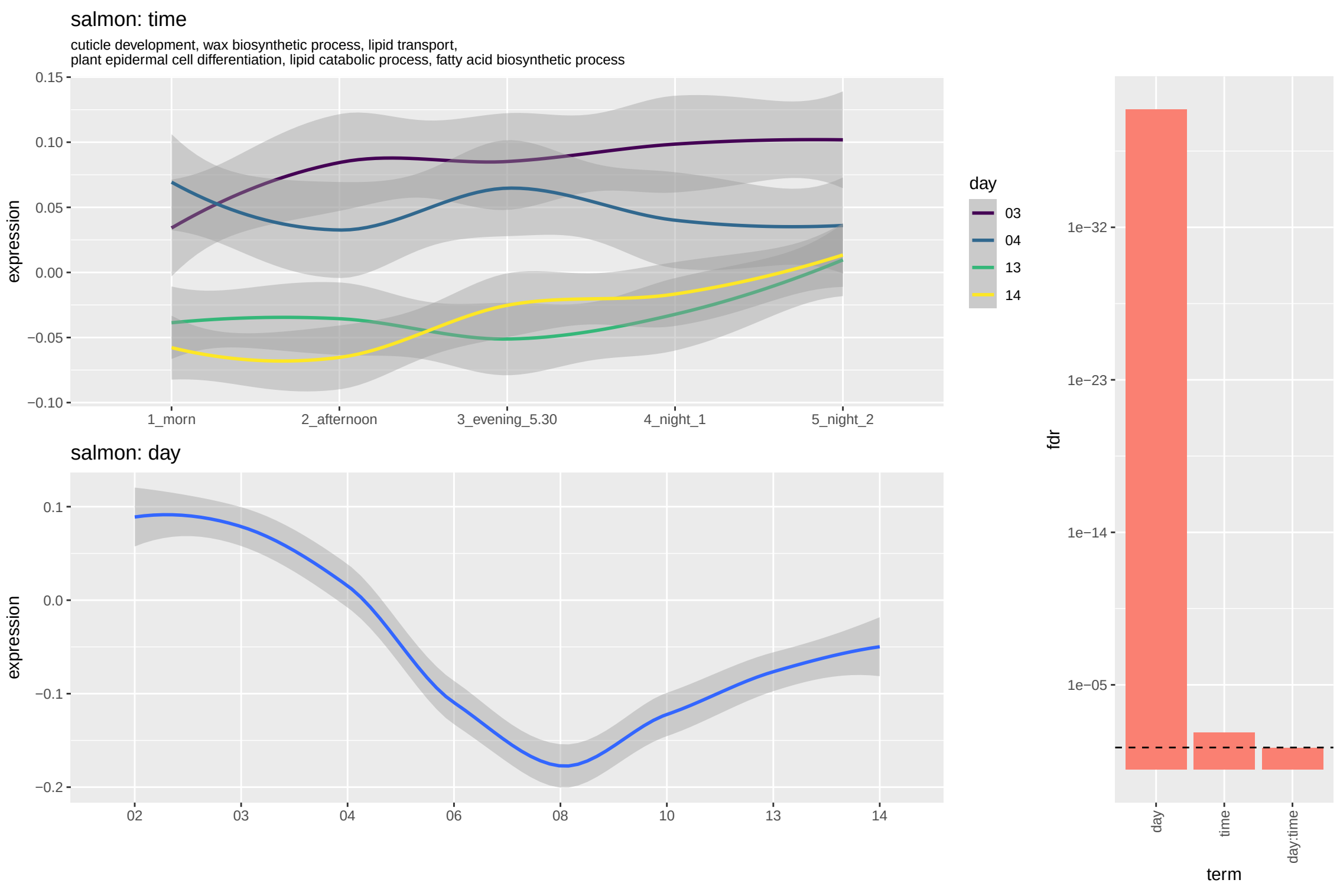

grey60: time
response to heat, response to high light intensity, response to hydrogen peroxide,
cellular response to heat, chaperone cofactor−dependent protein refolding, cellular response to unfolded protein
expression
0.2
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
grey60: day
expression
0.05
0.00
02
03
04
06
08
10
13
14
fdr
1e−43
1e−31
1e−19
1e−07
day
time
day:time
term

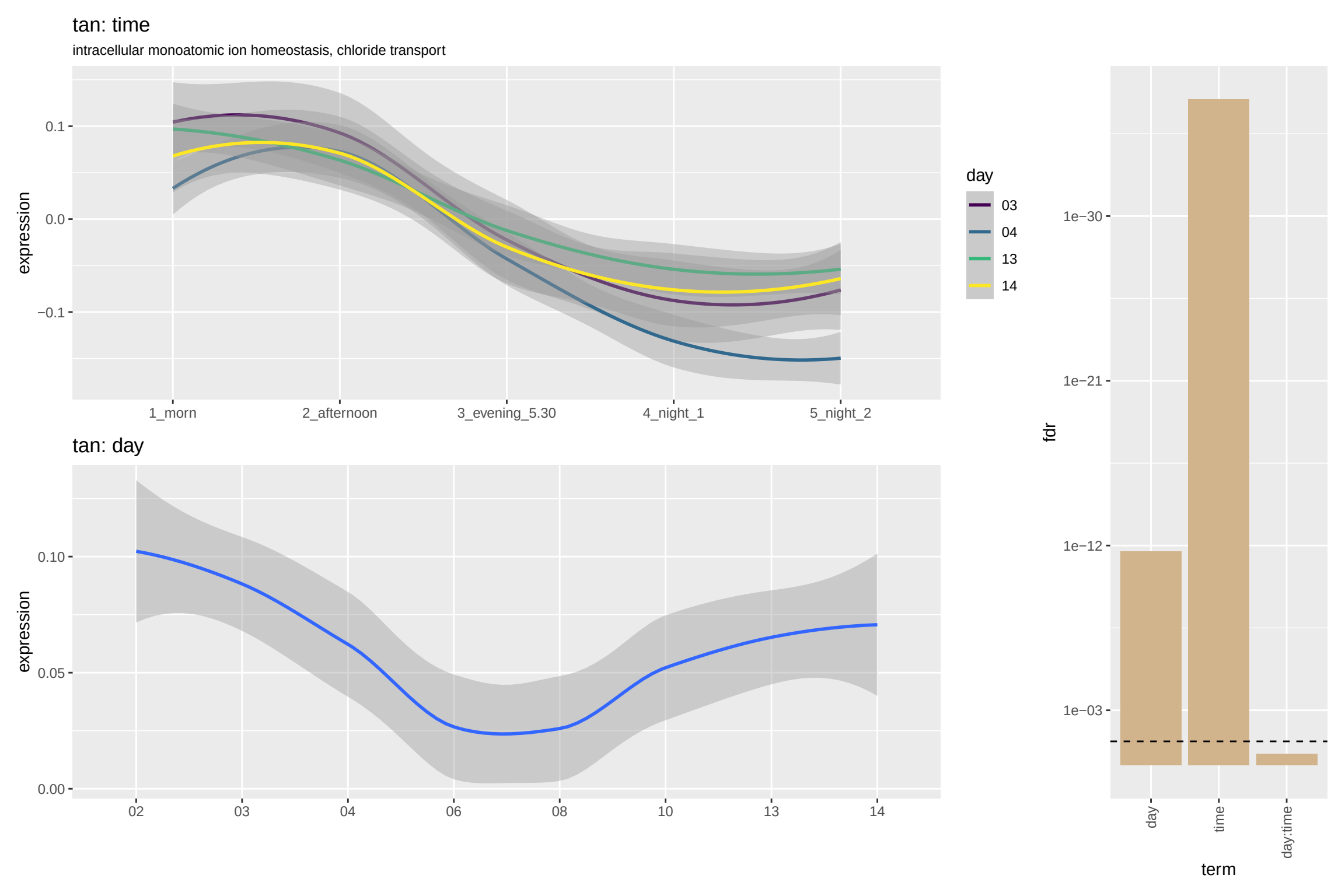

brown: time
regulation of DNA−templated transcription, suberin biosynthetic process, cell differentiation,
multicellular organism development, regulation of secondary cell wall biogenesis, positive regulation of transcription by RNA polymerase II
expression
0.15
0.10
0.05
0.00
−0.05
−0.10
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
brown: day
expression
0.10
0.05
0.00
−0.05
−0.10
02
03
04
06
08
10
13
14
fdr
1e−40
1e−28
1e−16
1e−04
day
time
day:time
term

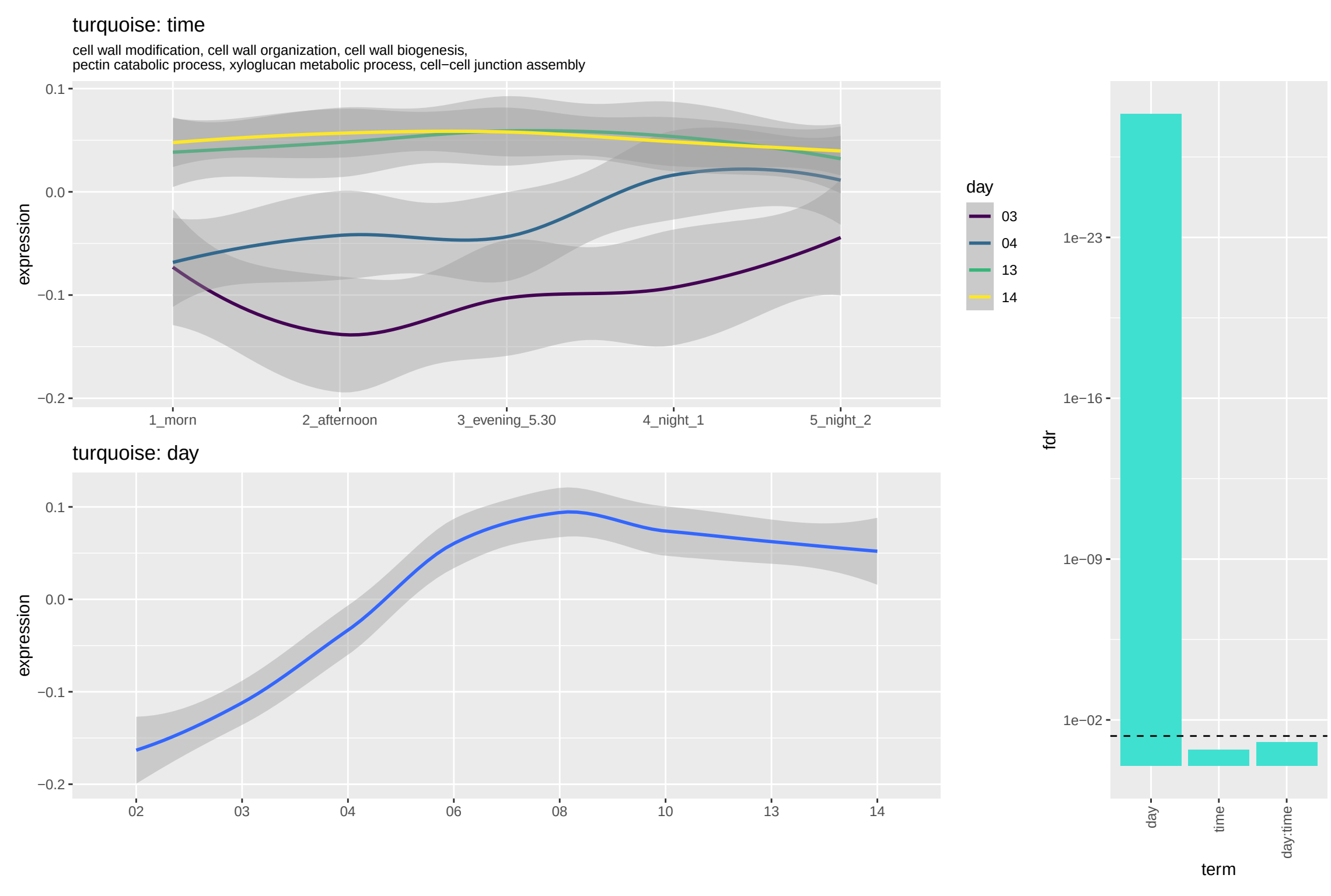

darkgreen: time
NA
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
darkgreen: day
expression
−0.05
−0.10
02
03
04
06
08
10
13
14
fdr
1e−39
1e−28
1e−17
1e−06
day
time
day:time
term

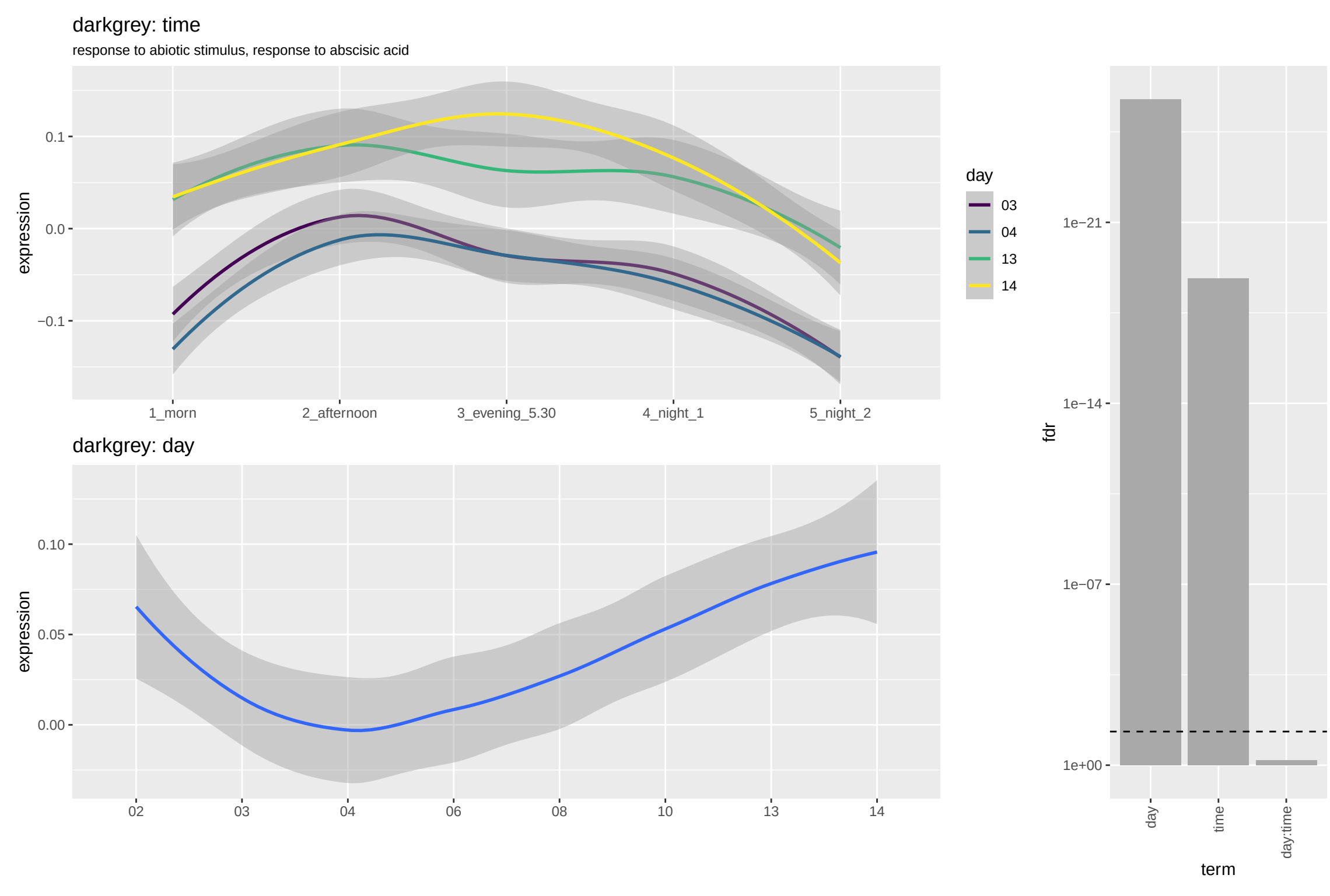

blue: time
NA
expression
0.15
0.10
0.05
0.00
−0.05
−0.10
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
blue: day
expression
0.10
0.05
0.00
−0.05
−0.10
02
03
04
06
08
10
13
14
fdr
1e−36
1e−26
1e−16
1e−06
day
time
day:time
term


darkturquoise: time
character(0)
expression
0.1
0.0
−0.1
−0.2
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
darkturquoise: day
expression
0.05
0.00
−0.05
−0.10
02
03
04
06
08
10
13
14
fdr
1e−36
1e−26
1e−16
1e−06
day
time
day:time
term


salmon: time
cuticle development, wax biosynthetic process, lipid transport,
plant epidermal cell differentiation, lipid catabolic process, fatty acid biosynthetic process
expression
0.15
0.10
0.05
0.00
−0.05
−0.10
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
salmon: day
expression
0.1
0.0
−0.1
−0.2
02
03
04
06
08
10
13
14
fdr
1e−32
1e−23
1e−14
1e−05
day
time
day:time
term

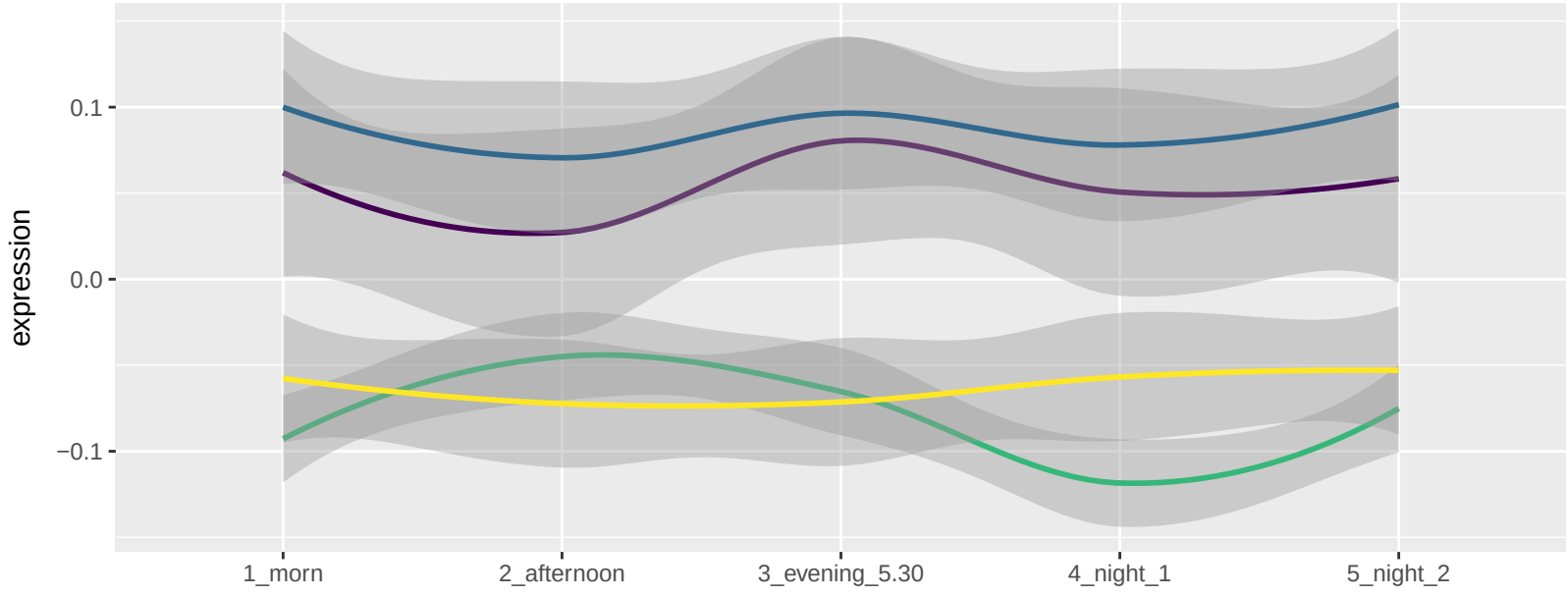

tan: time
intracellular monoatomic ion homeostasis, chloride transport
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
tan: day
expression
0.10
0.05
0.00
02
03
04
06
08
10
13
14
fdr
1e−30
1e−21
1e−12
1e−03
day
time
day:time
term


turquoise: time
cell wall modification, cell wall organization, cell wall biogenesis,
pectin catabolic process, xyloglucan metabolic process, cell−cell junction assembly
expression
0.1
0.0
−0.1
−0.2
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
turquoise: day
expression
0.1
0.0
−0.1
−0.2
02
03
04
06
08
10
13
14
fdr
1e−23
1e−16
1e−09
1e−02
day
time
day:time
term

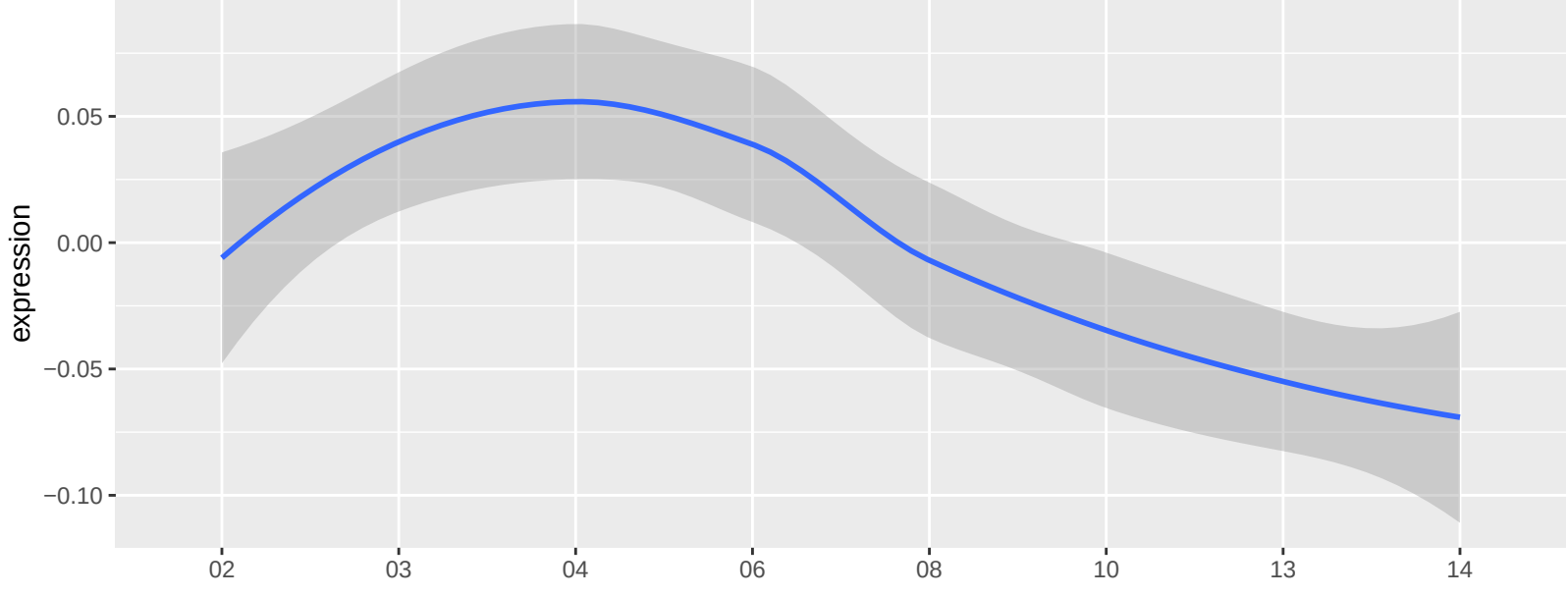

darkgrey: time
response to abiotic stimulus, response to abscisic acid
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
darkgrey: day
expression
0.10
0.05
0.00
02
03
04
06
08
10
13
14
fdr
1e−21
1e−14
1e−07
1e+00
day
time
day:time
term

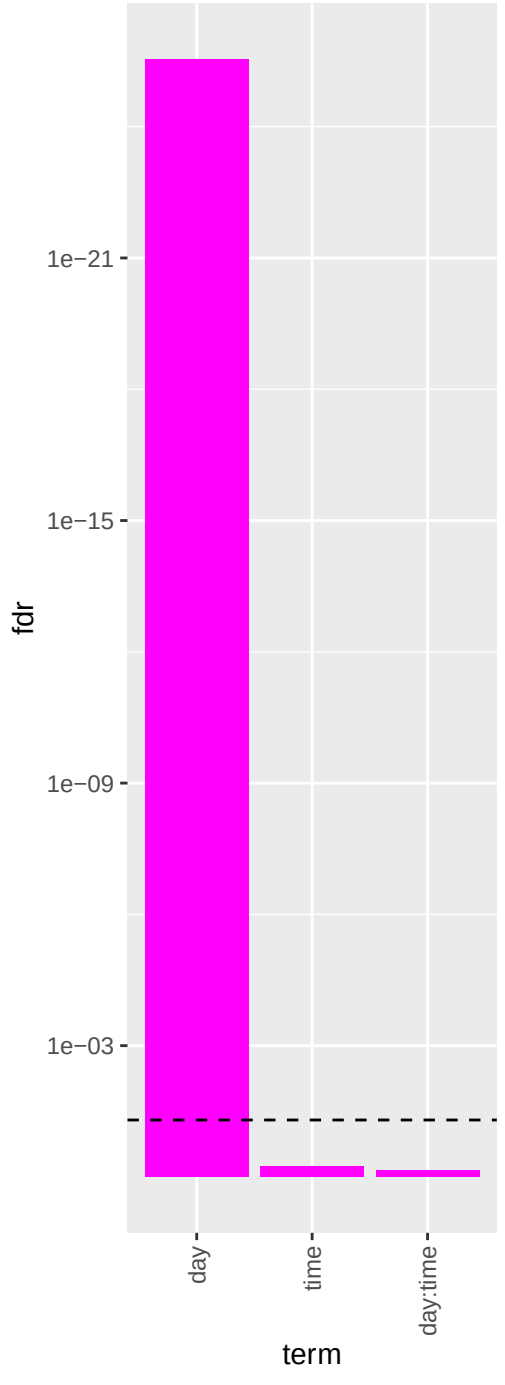
magenta: time

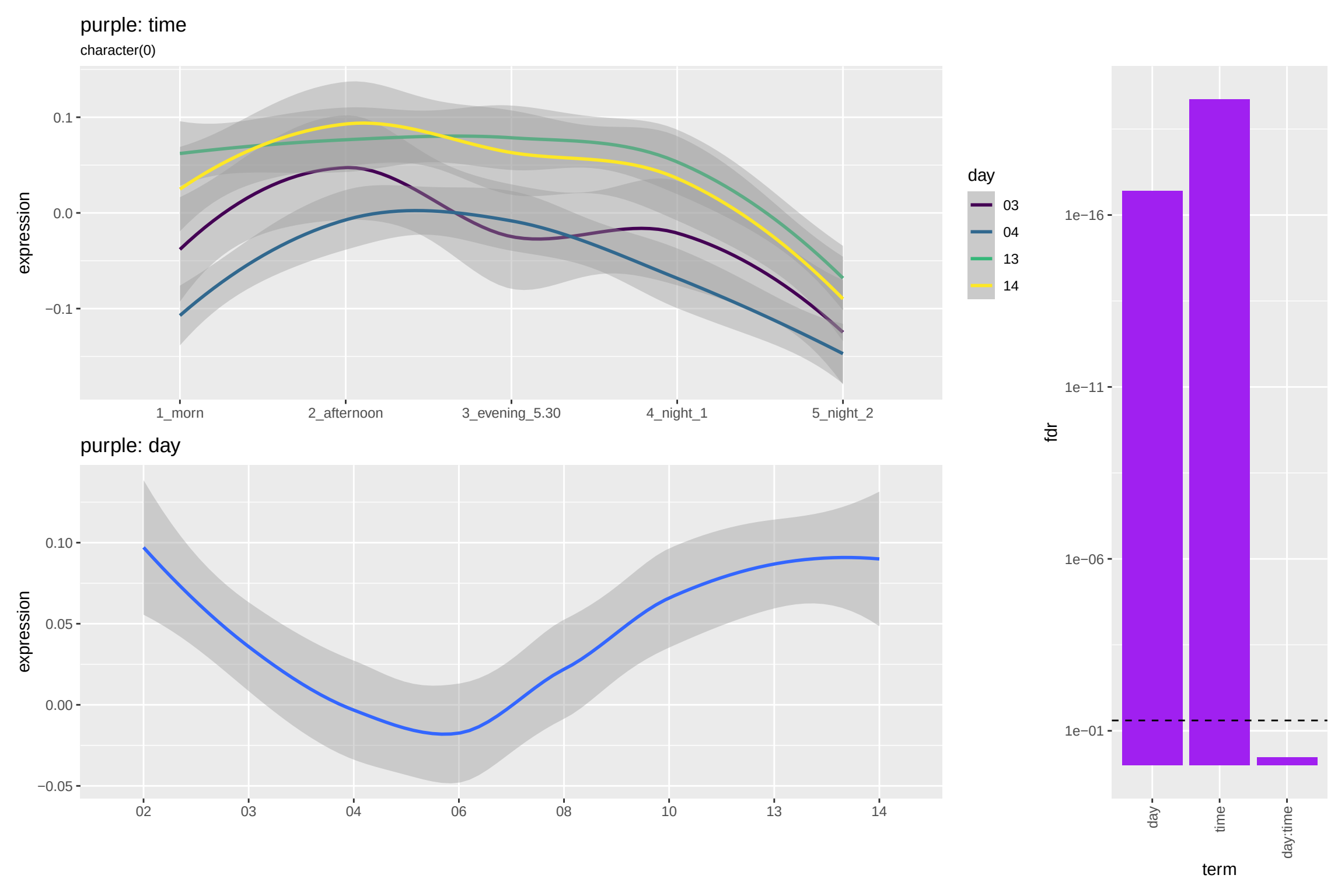
RNA modification, mitochondrial mRNA modification, cytidine to uridine editing, brassinosteroid metabolic process

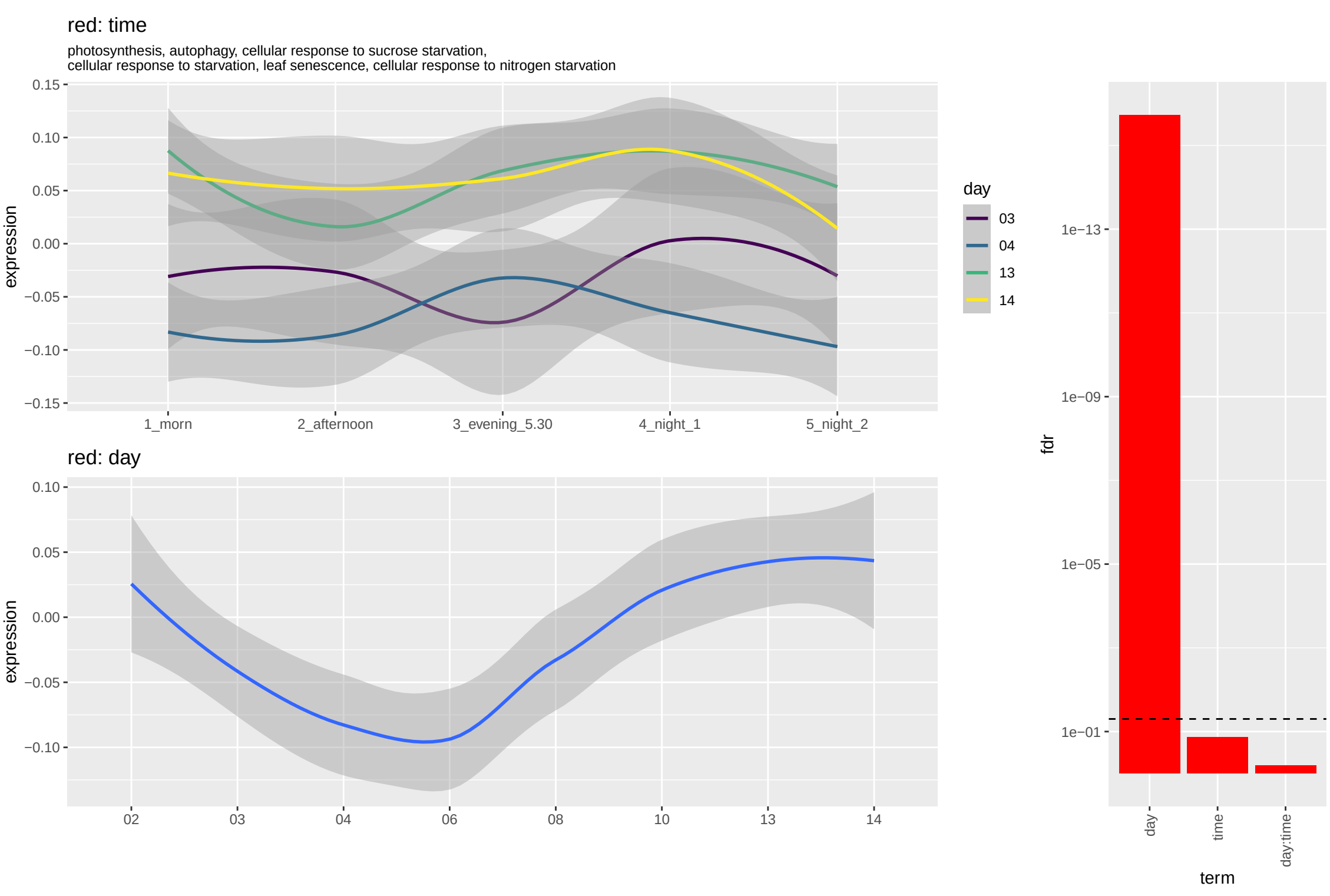


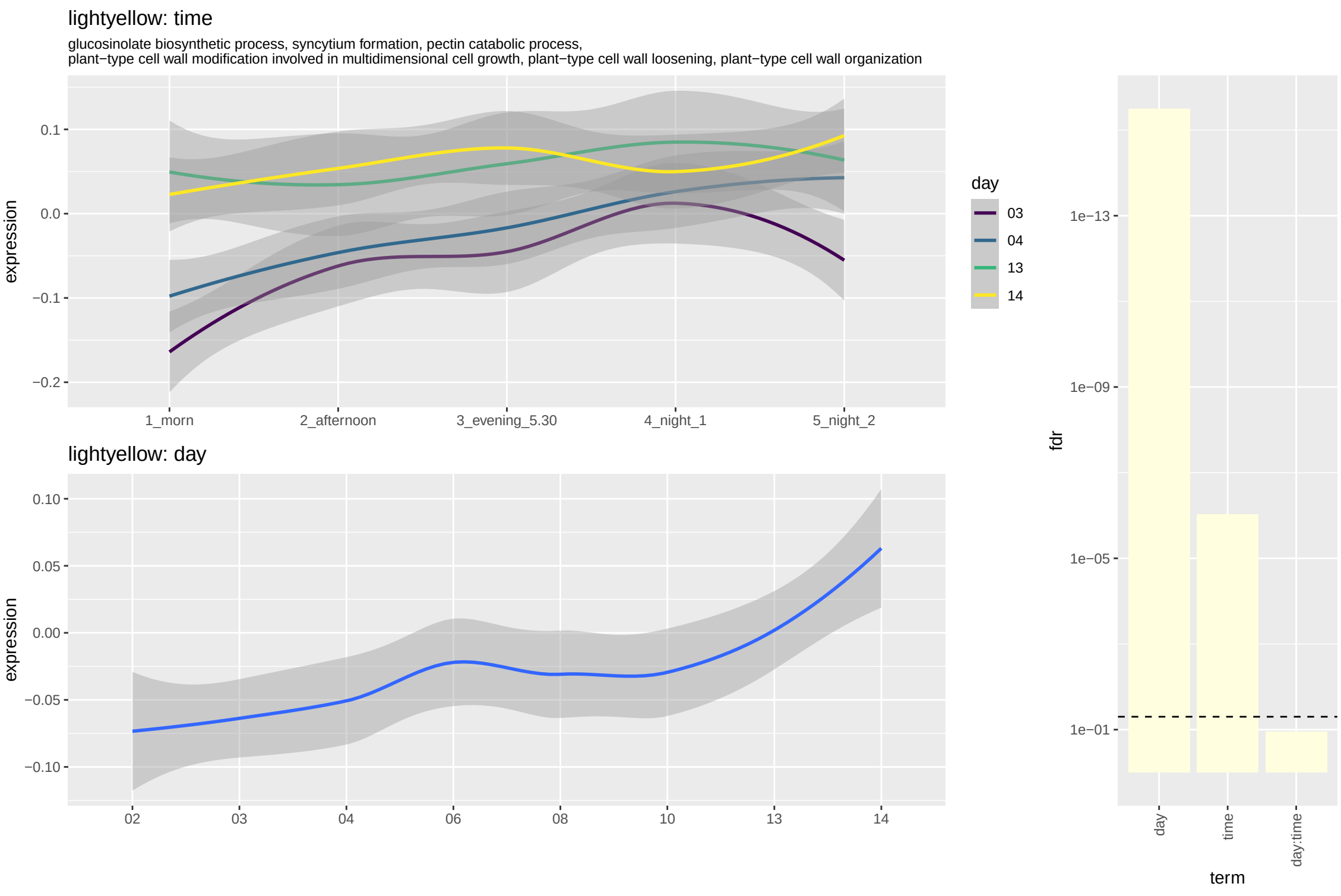
magenta: day

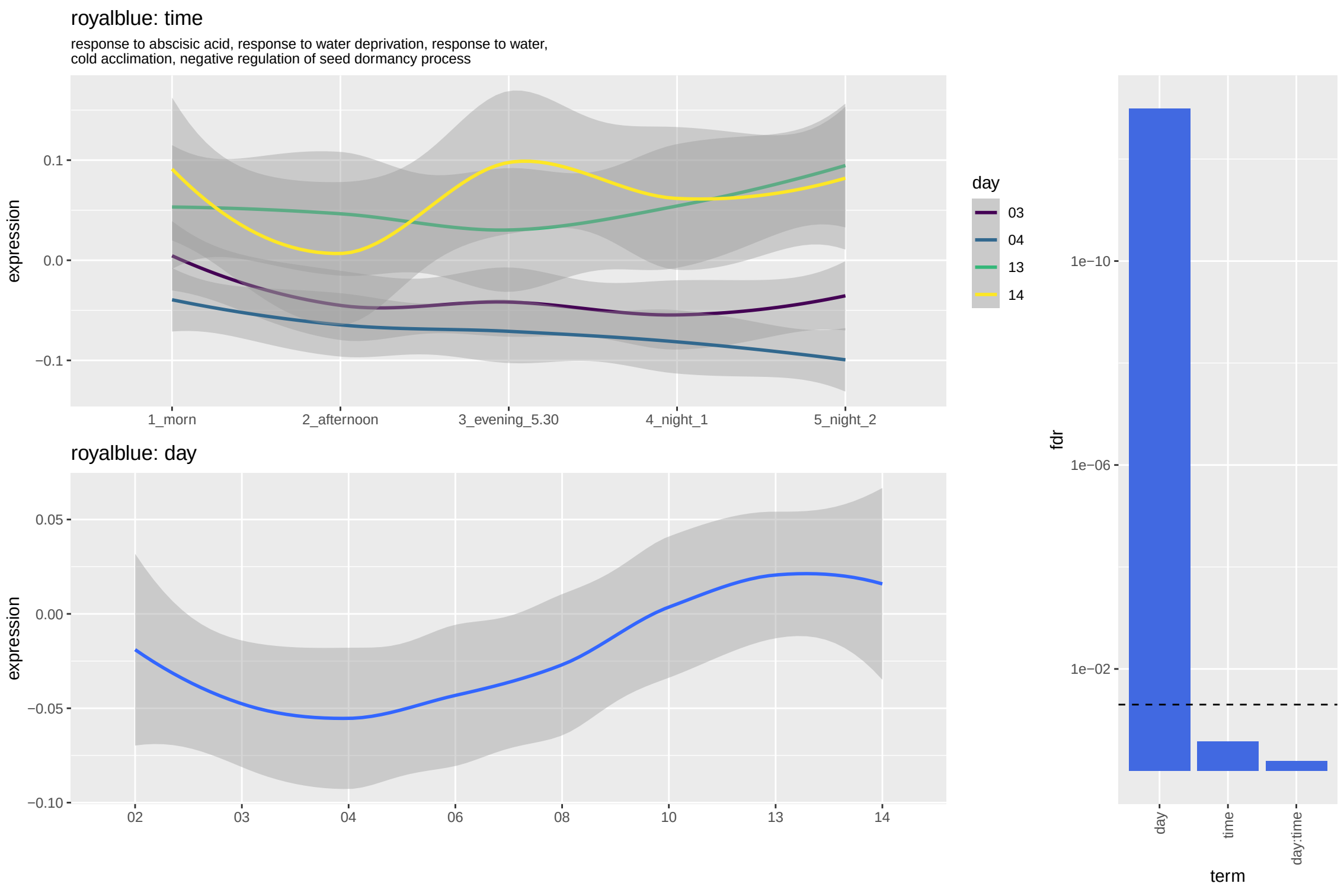


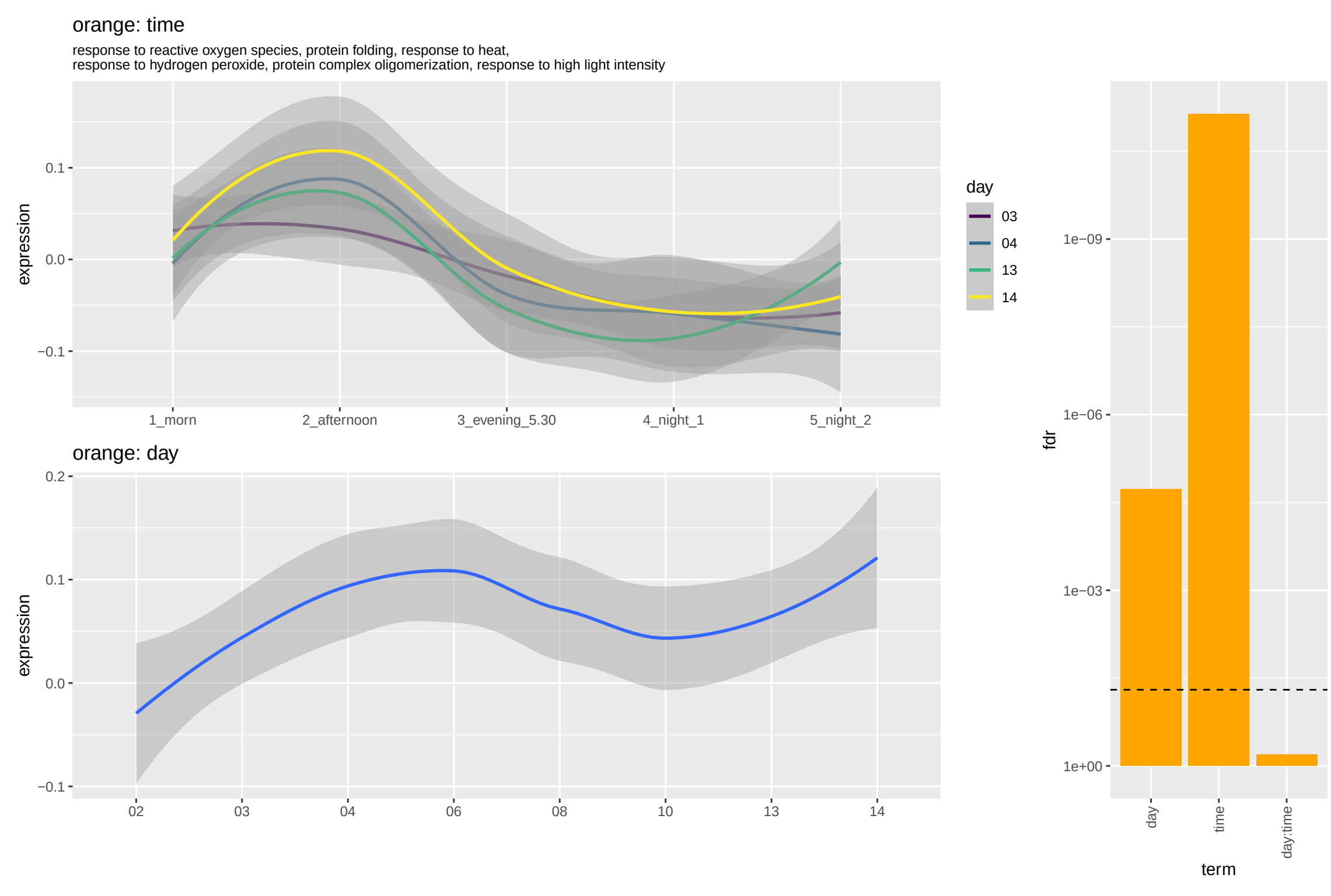


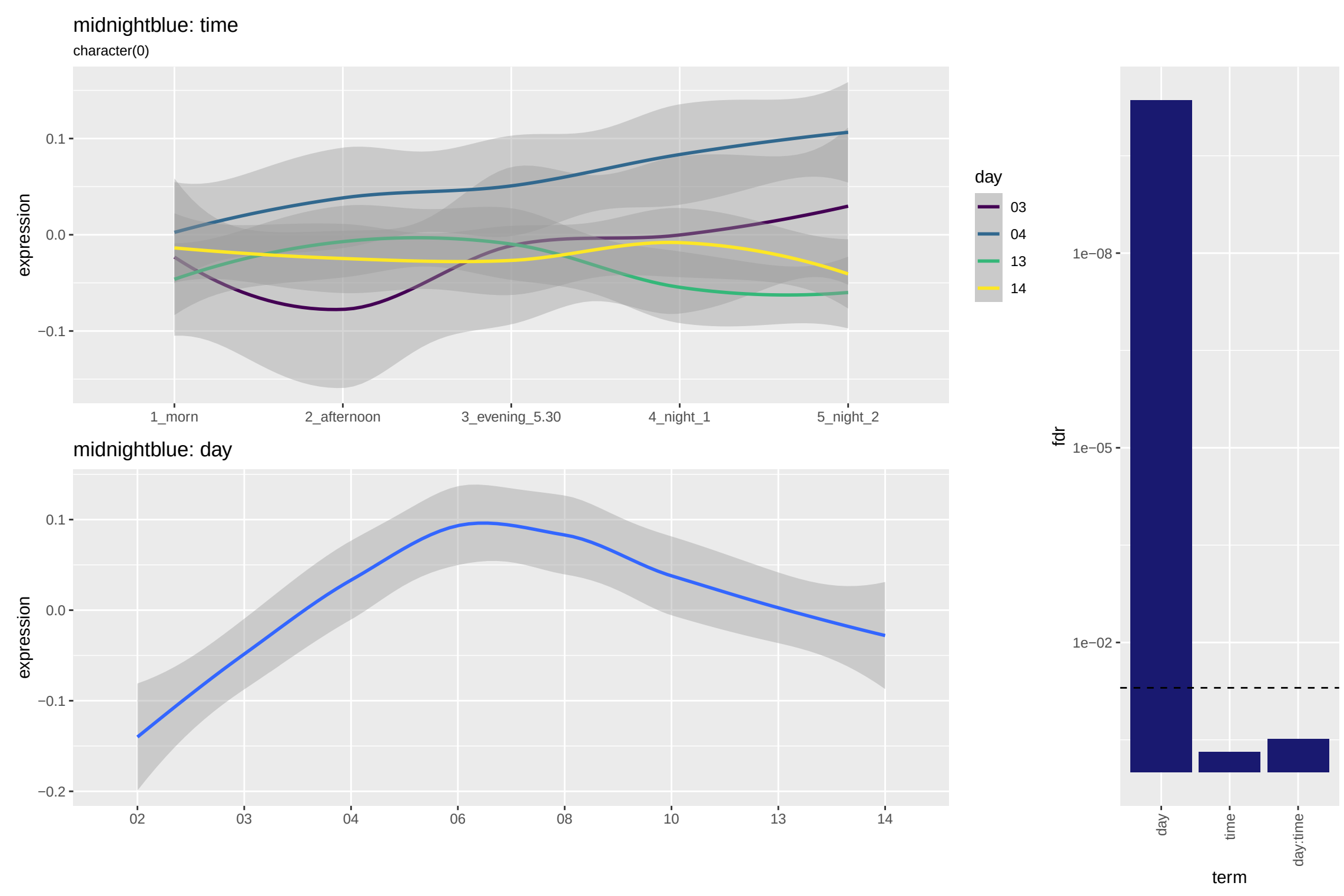

purple: time
character(0)
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
purple: day
expression
0.10
0.05
0.00
−0.05
02
03
04
06
08
10
13
14
fdr
1e−16
1e−11
1e−06
1e−01
day
time
day:time
term

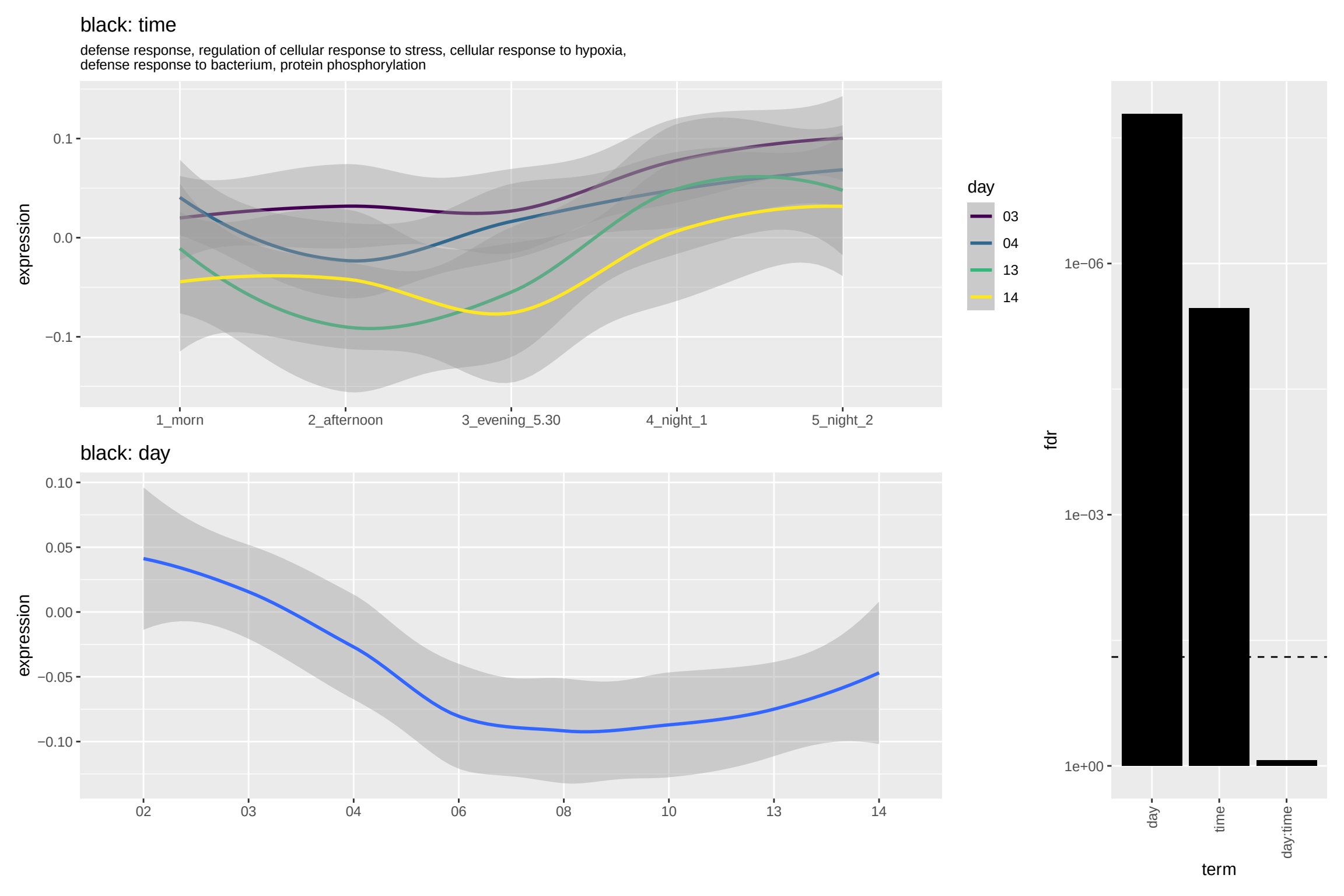

red: time
photosynthesis, autophagy, cellular response to sucrose starvation,
cellular response to starvation, leaf senescence, cellular response to nitrogen starvation
expression
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
red: day
expression
0.10
0.05
0.00
−0.05
−0.10
02
03
04
06
08
10
13
14
fdr
1e−13
1e−09
1e−05
1e−01
day
time
day:time
term

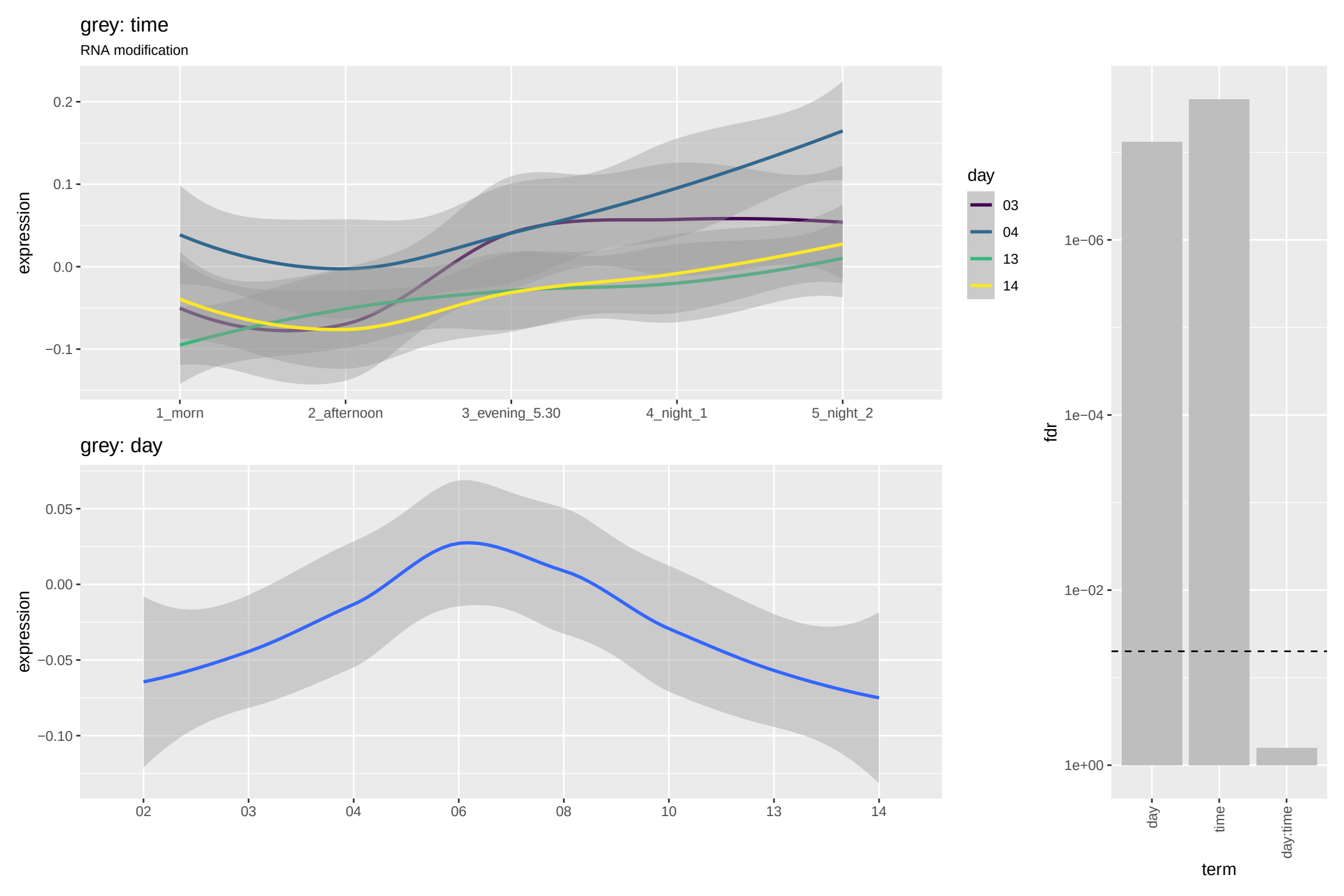

lightyellow: time
glucosinolate biosynthetic process, syncytium formation, pectin catabolic process,
plant−type cell wall modification involved in multidimensional cell growth, plant−type cell wall loosening, plant−type cell wall organization
expression
0.1
0.0
−0.1
−0.2
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
lightyellow: day
expression
0.10
0.05
0.00
−0.05
−0.10
02
03
04
06
08
10
13
14
fdr
1e−13
1e−09
1e−05
1e−01
day
time
day:time
term

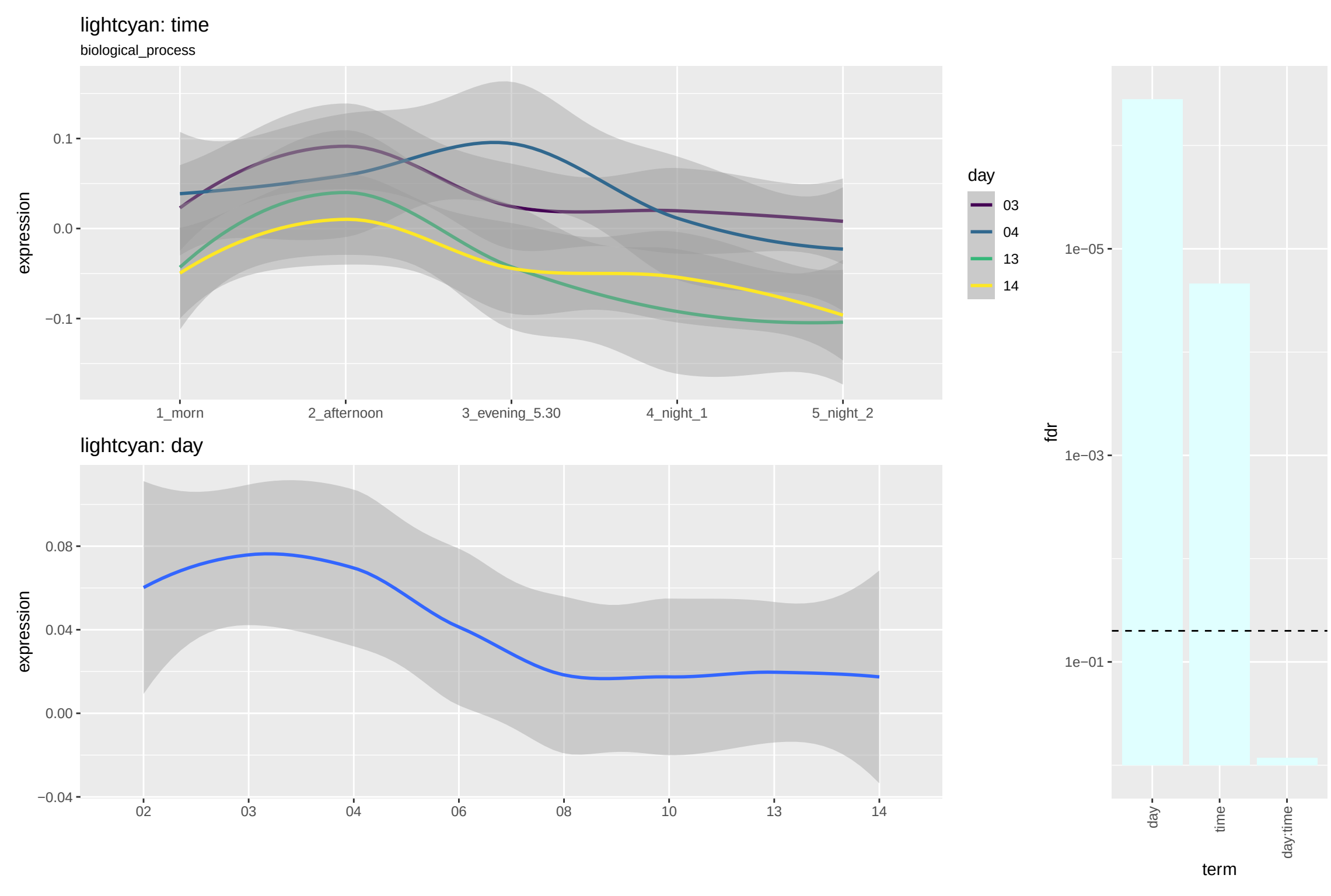

royalblue: time
response to abscisic acid, response to water deprivation, response to water,
cold acclimation, negative regulation of seed dormancy process
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
royalblue: day
expression
0.05
0.00
−0.05
−0.10
02
03
04
06
08
10
13
14
fdr
1e−10
1e−06
1e−02
day
time
day:time
term

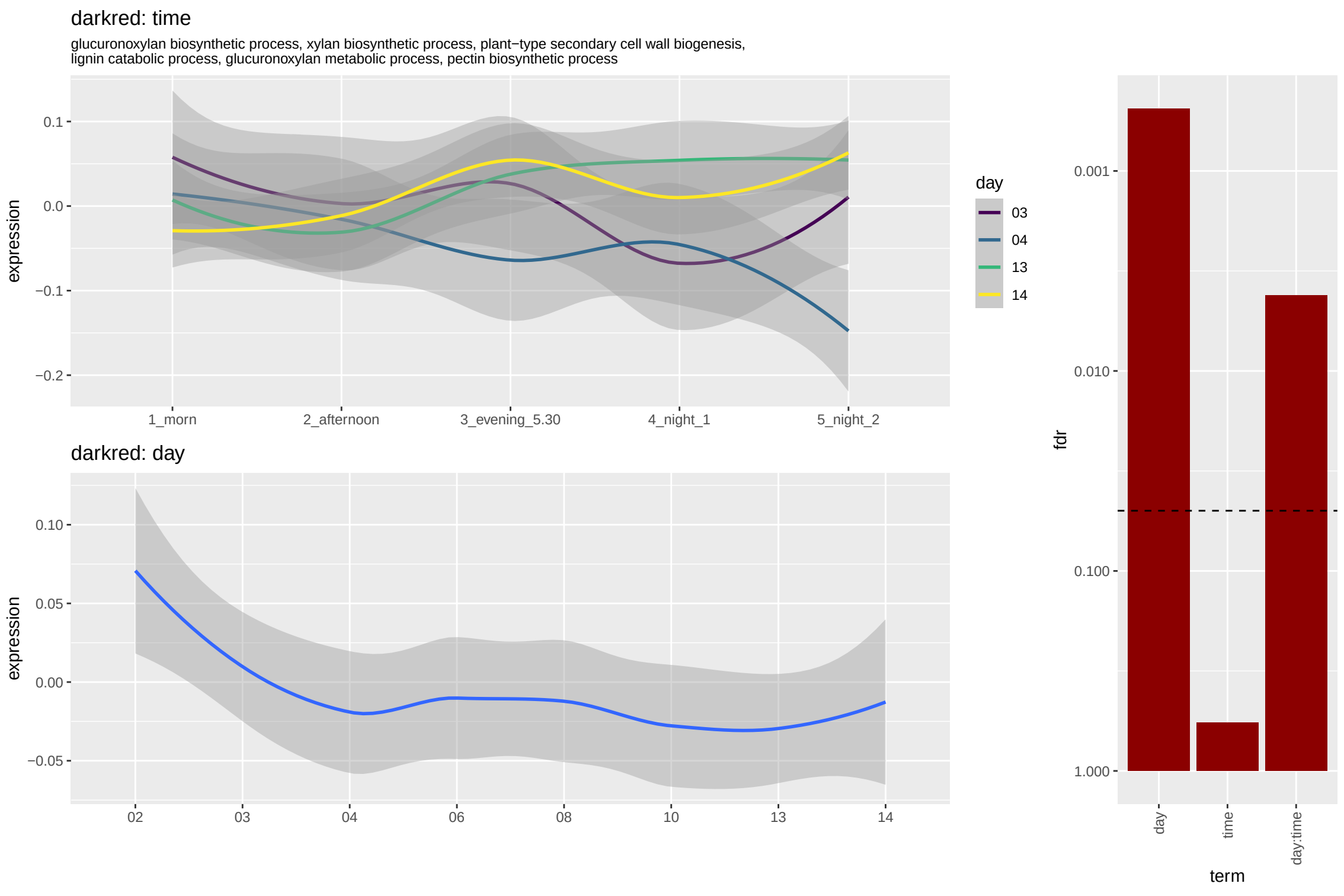

orange: time
response to reactive oxygen species, protein folding, response to heat,
response to hydrogen peroxide, protein complex oligomerization, response to high light intensity
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
orange: day
expression
0.2
0.1
0.0
−0.1
02
03
04
06
08
10
13
14
fdr
1e−09
1e−06
1e−03
1e+00
day
time
day:time
term

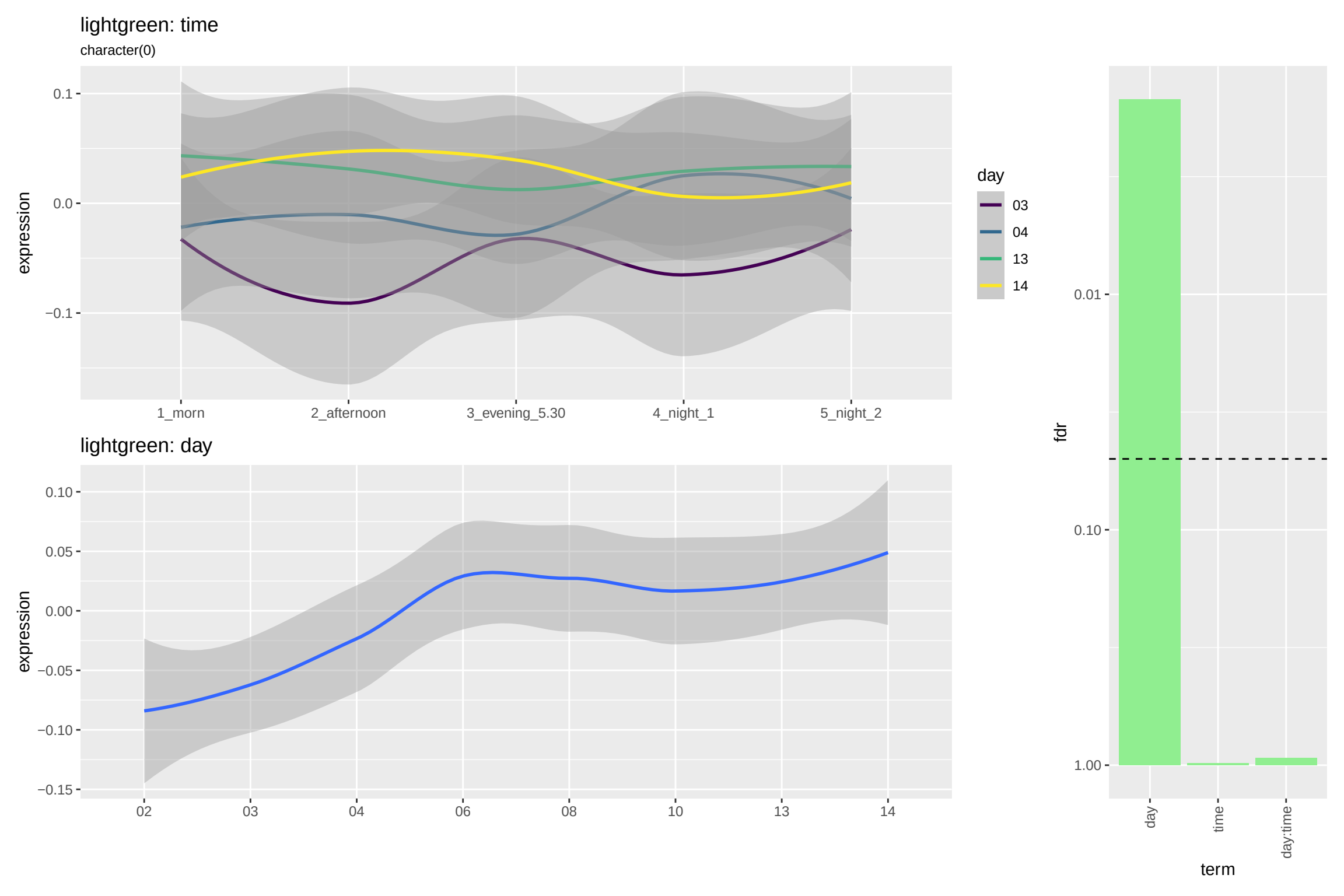

midnightblue: time
character(0)
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
midnightblue: day
expression
0.1
0.0
−0.1
−0.2
02
03
04
06
08
10
13
14
fdr
1e−08
1e−05
1e−02
day
time
day:time
term


black: time
defense response, regulation of cellular response to stress, cellular response to hypoxia,
defense response to bacterium, protein phosphorylation
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
black: day
expression
0.10
0.05
0.00
−0.05
−0.10
02
03
04
06
08
10
13
14
fdr
1e−06
1e−03
1e+00
day
time
day:time
term


grey: time
RNA modification
expression
0.2
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
grey: day
expression
0.05
0.00
−0.05
−0.10
02
03
04
06
08
10
13
14
fdr
1e−06
1e−04
1e−02
1e+00
day
time
day:time
term

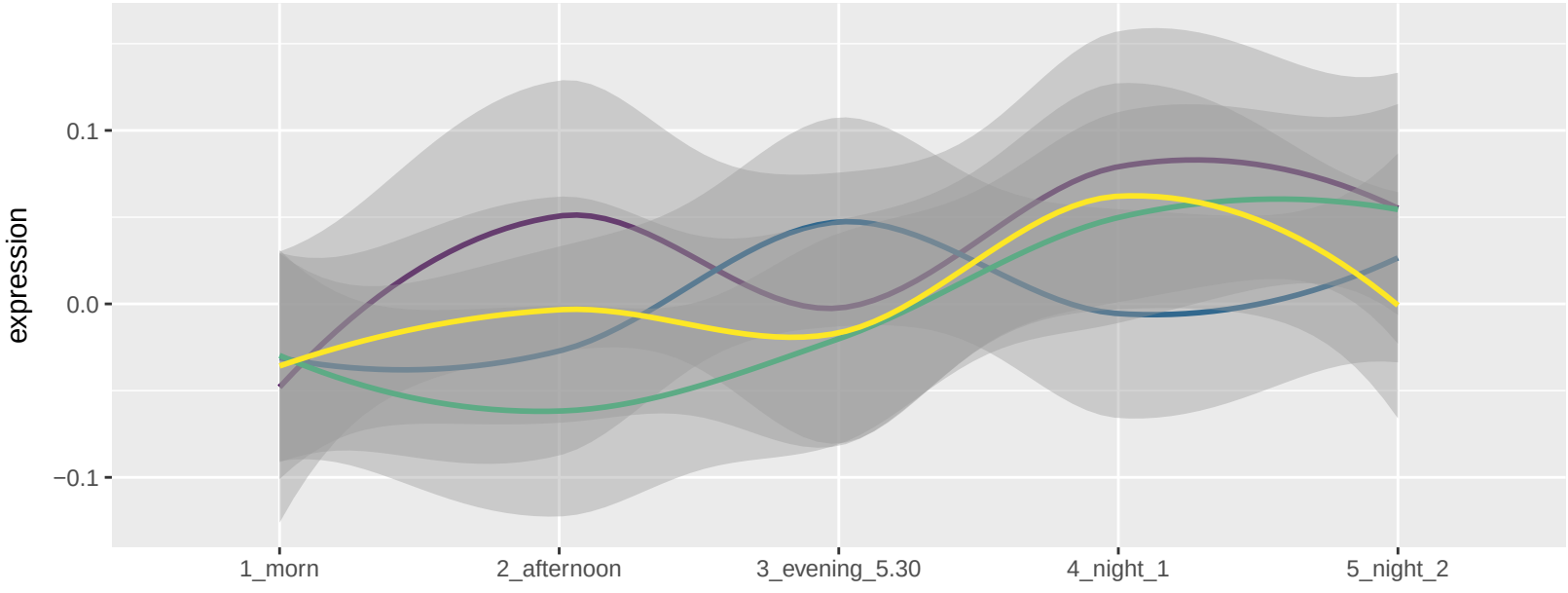

lightcyan: time
biological_process
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
lightcyan: day
expression
0.08
0.04
0.00
−0.04
02
03
04
06
08
10
13
14
fdr
1e−05
1e−03
1e−01
day
time
day:time
term

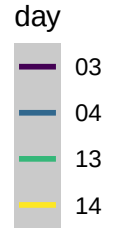

darkred: time
glucuronoxylan biosynthetic process, xylan biosynthetic process, plant−type secondary cell wall biogenesis,
lignin catabolic process, glucuronoxylan metabolic process, pectin biosynthetic process
expression
0.1
0.0
−0.1
−0.2
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
darkred: day
expression
0.10
0.05
0.00
−0.05
02
03
04
06
08
10
13
14
fdr
0.001
0.010
0.100
1.000
day
time
day:time
term


lightgreen: time
character(0)
expression
0.1
0.0
−0.1
1_morn
2_afternoon
3_evening_5.30
4_night_1
5_night_2
day
03
04
13
14
lightgreen: day
expression
0.10
0.05
0.00
−0.05
−0.10
−0.15
02
03
04
06
08
10
13
14
fdr
0.01
0.10
1.00
day
time
day:time
term

greenyellow: time

response to chitin, defense response to fungus, defense response,
defense response to bacterium, protein phosphorylation, camalexin biosynthetic process





greenyellow: day