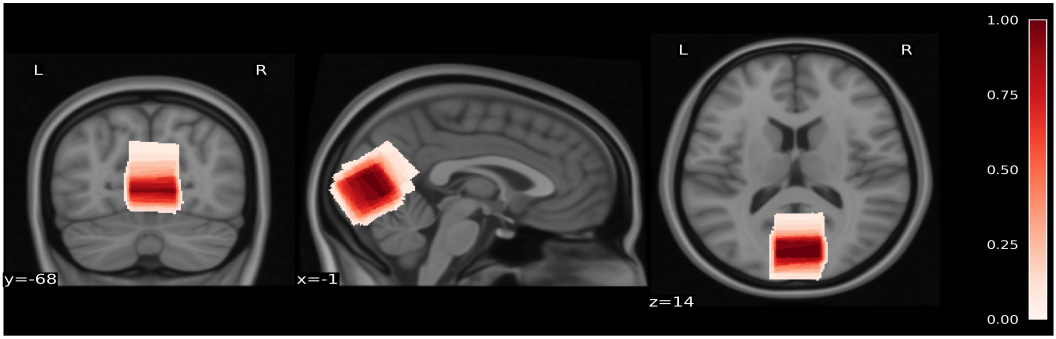
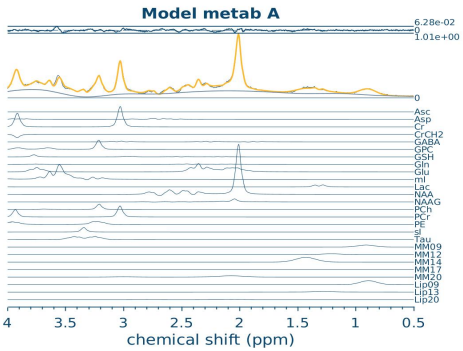
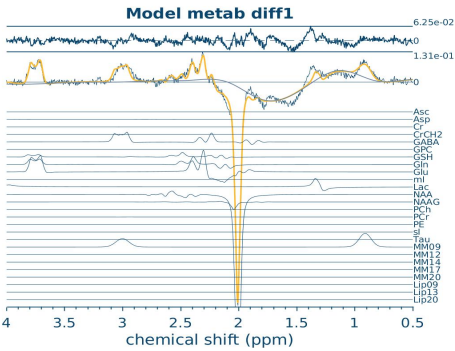
A


L
R
y=-68
x=-1
z=14
1.00
0.75
0.50
0.25
0.00

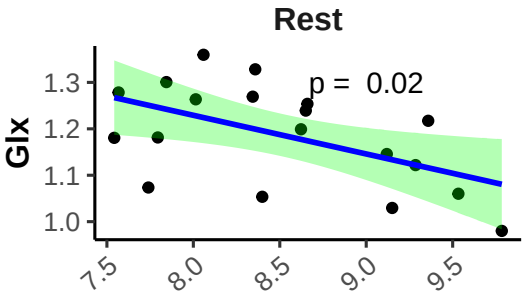
B

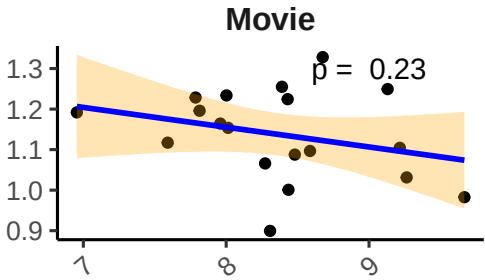

Model metab A
6.28e-02
0
1.01e+00
0
Asc
Asp
Cr
CrCH2
GABA
GPC
GSH
Gln
Glu
mI
Lac
NAA
NAAG
PCh
PCr
PE
sI
Tau
MM09
MM12
MM14
MM17
MM20
Lip09
Lip13
Lip20
4
3.5
3
2.5
2
1.5
1
0.5
chemical shift (ppm)

C

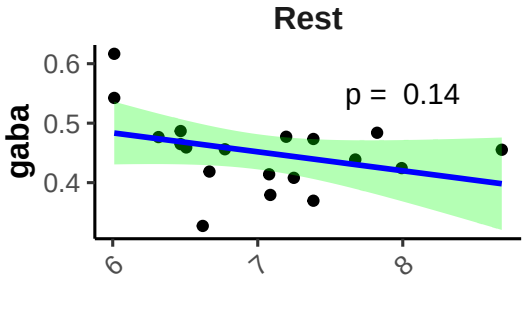

Model metab diff1
6.25e-02
0
1.31e-01
0
Asc
Asp
Cr
CrCH2
GABA
GPC
GSH
Gln
Glu
mI
Lac
NAA
NAAG
PCh
PCr
PE
sI
Tau
MM09
MM12
MM14
MM17
MM20
Lip09
Lip13
Lip20
4
3.5
3
2.5
2
1.5
1
0.5
chemical shift (ppm)

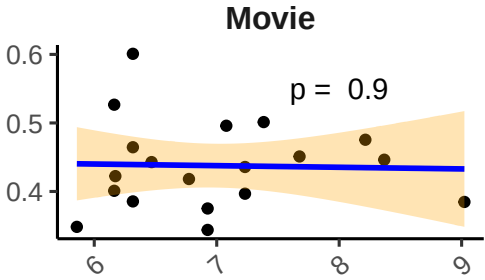
D


Rest
p = 0.02
Glx
1.3
1.2
1.1
1.0
7.5
8.0
8.5
9.0
9.5


Movie
p = 0.23
1.3
1.2
1.1
1.0
0.9
7
8
9

E


Rest
p = 0.14
gaba
0.6
0.5
0.4
6
7
8


Movie
p = 0.9
0.6
0.5
0.4
6
7
8
9

FWHM