a
V1 vs CA1
Avg. stim. reliab.
0.6
0.4
0.2
0
VISp
CA1
Avg. |behav. mod.|
0.8
0.6
0.4
0.2
VISp
CA1
b
Neuropixels dataset1
0.75
0.77
0.77
0.83
Activity (1/s)
Pupil width (pixels)
NM Repeat #
Time (s)
c
Neuropixels dataset2
0.79
0.82
0.83
0.85
Activity (1/s)
Pupil width (pixels)
NM Repeat #
Time (s)
d
Behaviour
Stimulus
(repetition i)
Stimulus
(repetition j)
e
V1
CA1
N = 19
N = 20
R2: 0.6
R2: 0.4
N = 23
N = 19
R2: 0.3
R2: 0.4
Avg. repres. sim.
Avg. |Δ pupil width|
Avg. |Δ pupil width|