a
Cell 1
20 Hz
34 Hz
18 Hz
23 Hz
22 Hz
22 Hz
44 Hz
26 Hz
28 Hz
0
max
6 Hz 0.42
DR = 0.10
Rate (Hz)
HD (deg)
Cell 2
78 Hz
11 Hz
2 Hz
28 Hz
20 Hz
2 Hz
4 Hz
3 Hz
13 Hz
27 Hz 0.86
DR = 1.12
Expected
Observed
b
Number of cells
Directional distributive ratio
c
Directional distributive ratio
HD
Grid
Other
Functional cell types
d
N = 93 HD cells
40 % HD & sparsity
HD, sparsity & speed
22 %
31 % HD
7 %
HD & speed
e
HD cells
Grid cells
Other cells
Rel. frequency
Grid score
Sparsity
ns.
Mean rate (Hz)
Speed score
f
ns.
HD score
Peak rate (Hz)
Mean rate (Hz)
vp1
vp2
g
Speed (cm/s)
Angular speed (deg/s)