A
dlPFC
7a
MSTd
CS
IPS
STS
LS
B
target on
t stop
trials
1 sec
MSTd
7a
dlPFC
C
sensorimotor
linear vel.
linear accel.
ang. vel.
ang. acc.
t. move on
t. move off
target on
latent
target dist.
target ang.
trav. dist.
trav. ang.
LFP
theta phase
alpha phase
beta phase
other
reward
eye vert.
eye hori.
non linear filters
spikes
other neurons
D
data
model
neurons
neurons
50
0
spike/sec
5 sec
E
linear velocity
lin. accel.
angular vel.
ang. accel.
t move on
t move off
t target on
target dist.
target ang.
traveled dist.
traveled ang.
beta phase
alpha phase
theta phase
t reward
eye vertical
eye horiz.
spikes/sec
cm/s
cm/s²
deg/s
deg/s²
s
cm
deg
rad
z
p<0.01
p>0.01
PGAM:
MSTd
7a
dlPFC
raw
F
MSTd
7a
dlPFC
fraction tuned
lin. vel.
lin. acc.
ang. vel.
ang. acc.
t move on
t move off
t target on
targ. dist.
targ. ang.
trav. dist.
trav. ang.
beta phase
alpha phase
theta phase
t reward
eye vert.
eye horiz.
sensorimotor
latent
LFP
other