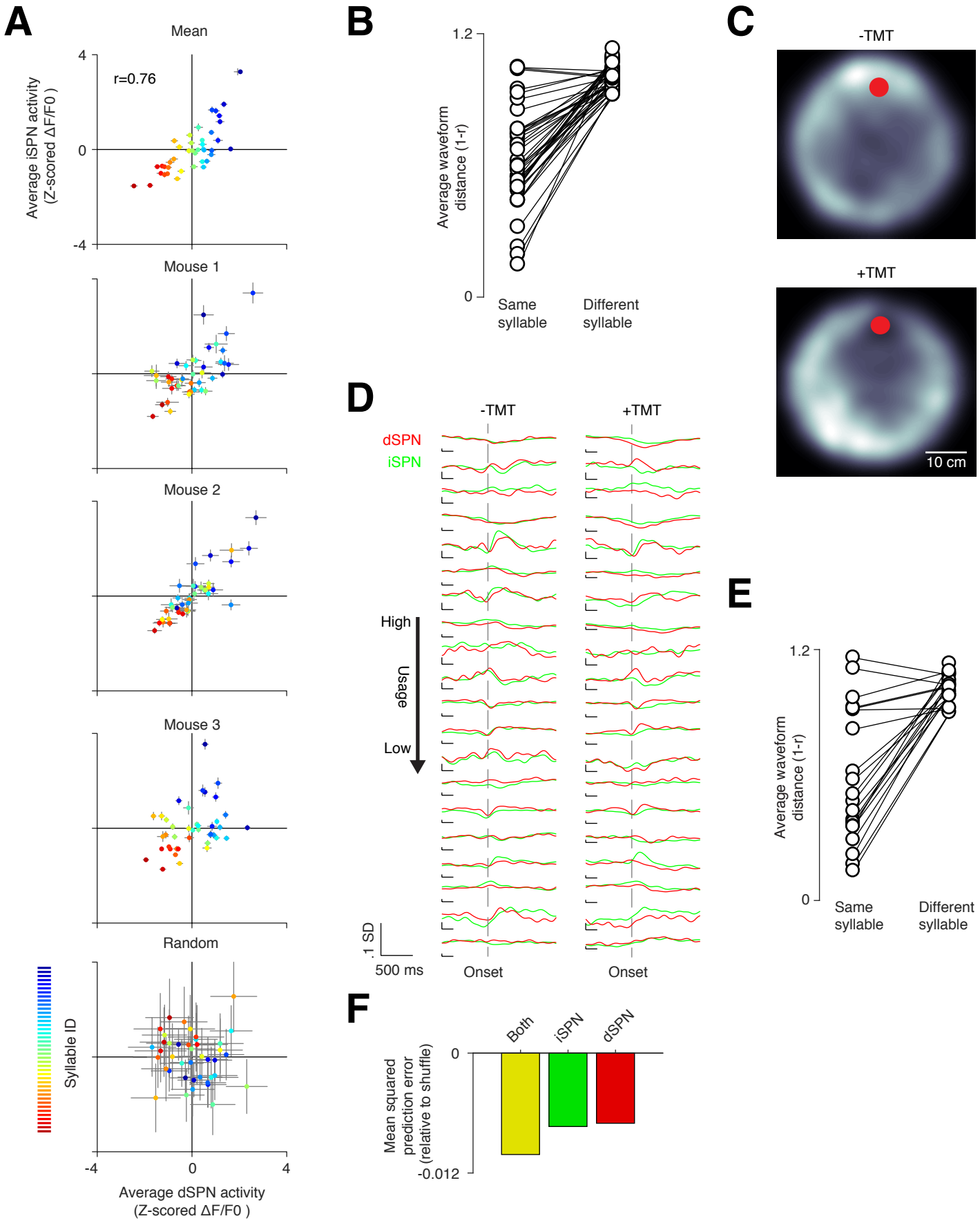
A
Mean
r=0.76
Average iSPN activity
(Z-scored ΔF/F0)
4
0
-4
Mouse 1
Mouse 2
Mouse 3
Random
Syllable ID
-4
0
4
Average dSPN activity
(Z-scored ΔF/F0)
B
1.2
0
Average waveform
distance (1-r)
Same
syllable
Different
syllable
C
-TMT
+TMT
10 cm
D
-TMT
+TMT
dSPN
iSPN
High
Usage
Low
.1 SD
500 ms
Onset
Onset
E
1.2
0
Average waveform
distance (1-r)
Same
syllable
Different
syllable
F
Both
iSPN
dSPN
0
-0.012
Mean squared
prediction error
(relative to shuffle)