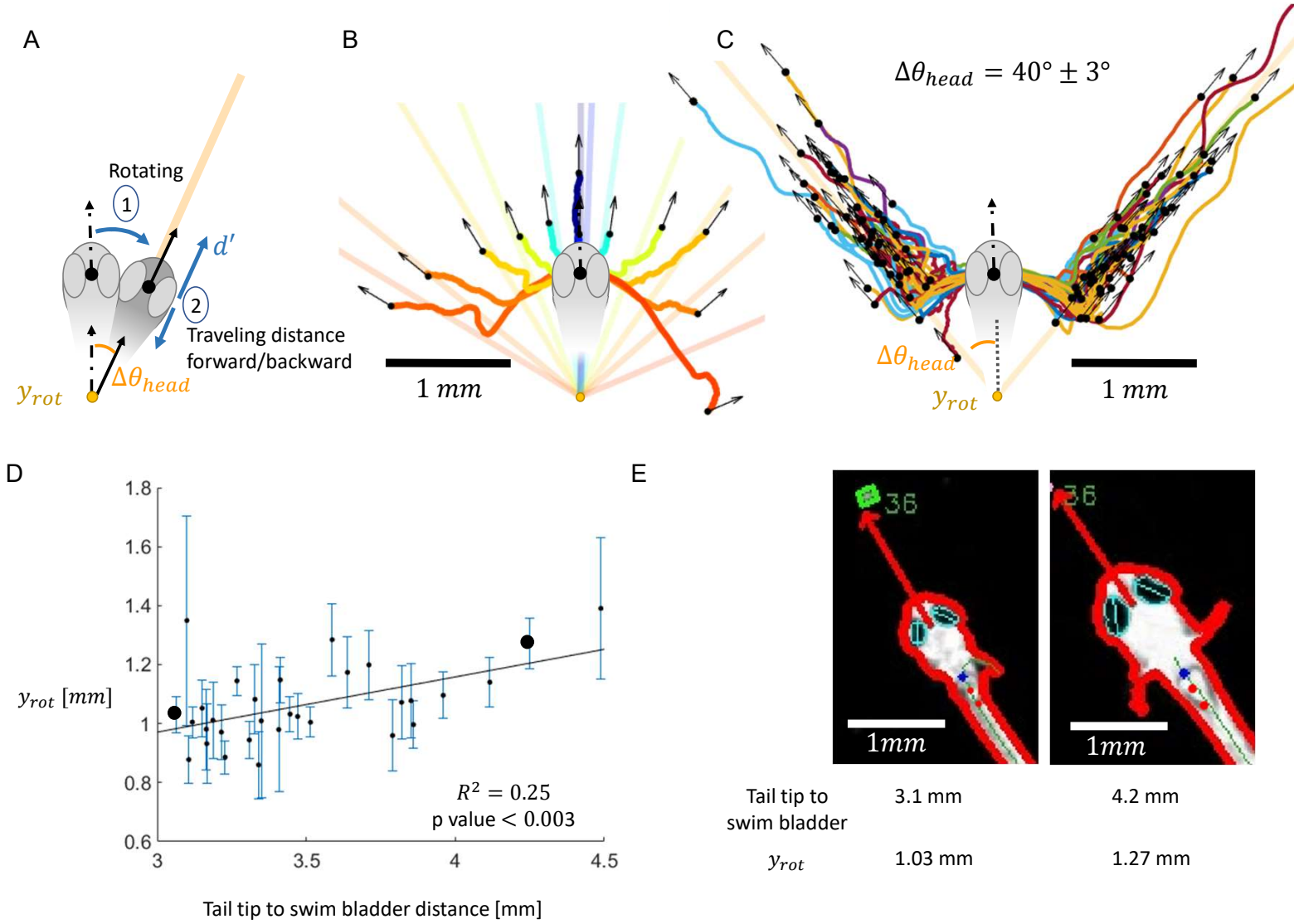
A
Rotating
1
d'
2
Traveling distance
forward/backward
y_{rot}
$\Delta\theta_{head}$
B
1 mm
C
$\Delta\theta_{head} = 40° \pm 3°$
$\Delta\theta_{head}$
y_{rot}
1 mm
D
y_{rot} $[mm]$
1.8
1.6
1.4
1.2
1
0.8
0.6
3
3.5
4
4.5
$R^2 = 0.25$
p value < 0.003
Tail tip to swim bladder distance [mm]
E
36
1mm
36
1mm
Tail tip to swim bladder
3.1 mm
4.2 mm
y_{rot}
1.03 mm
1.27 mm