A

Sequence 1
Fixate TS (0.5s)

500ms

500ms

500ms

Novel fractal ▶

500ms

500ms

500ms

Reward

Sequence 2
Fixate TS (0.5s)

500ms

500ms

500ms

Novel fractal (tested in DNMS) ▶

500ms

500ms

500ms

Reward

DNMS
Fixate TS (0.5s)

Two objects on

Fixate novel object

Unchosen stimulus off (0.5 s)

Reward

B

Behavior in DNMS

percentage

Choosing novel fractal

C

20 spikes/s

Novel fractal

Stim on   Stim off   Stim on   Stim off   Stim on   Stim off   Stim on   Stim off

500 milliseconds