

## Supplementary materials

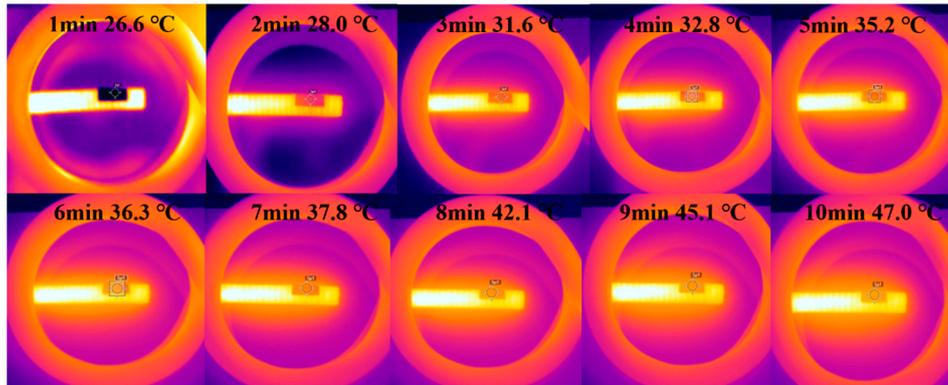


Figure S1. Infrared image of a gastropod-free soft robot walking on a gastropod microstructure.

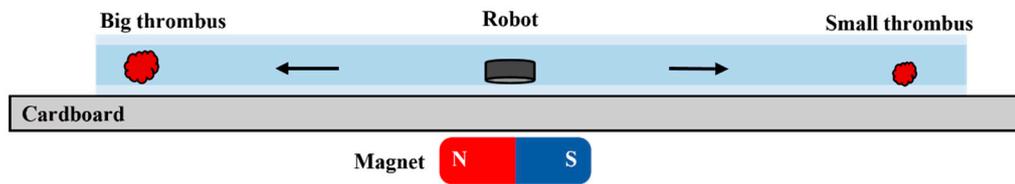


Figure S2. Schematic diagram of magnetic navigation motion platform.

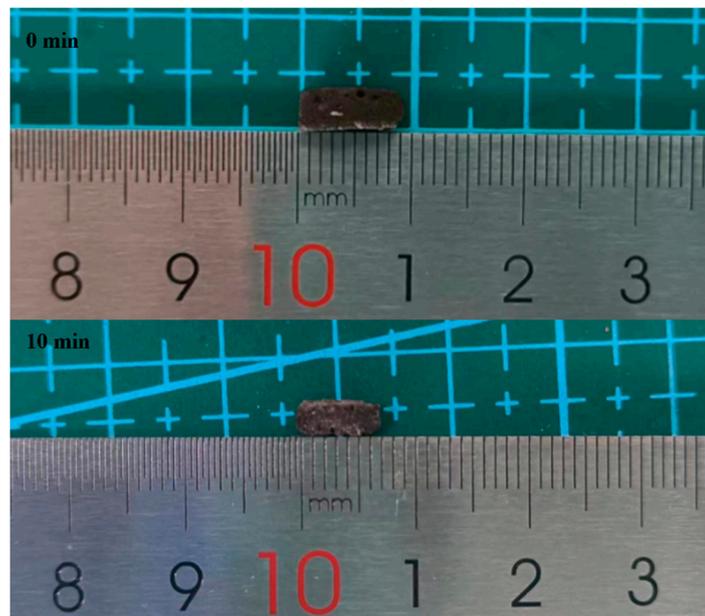


Figure S3. Size change of the robot under 28-A induced current.