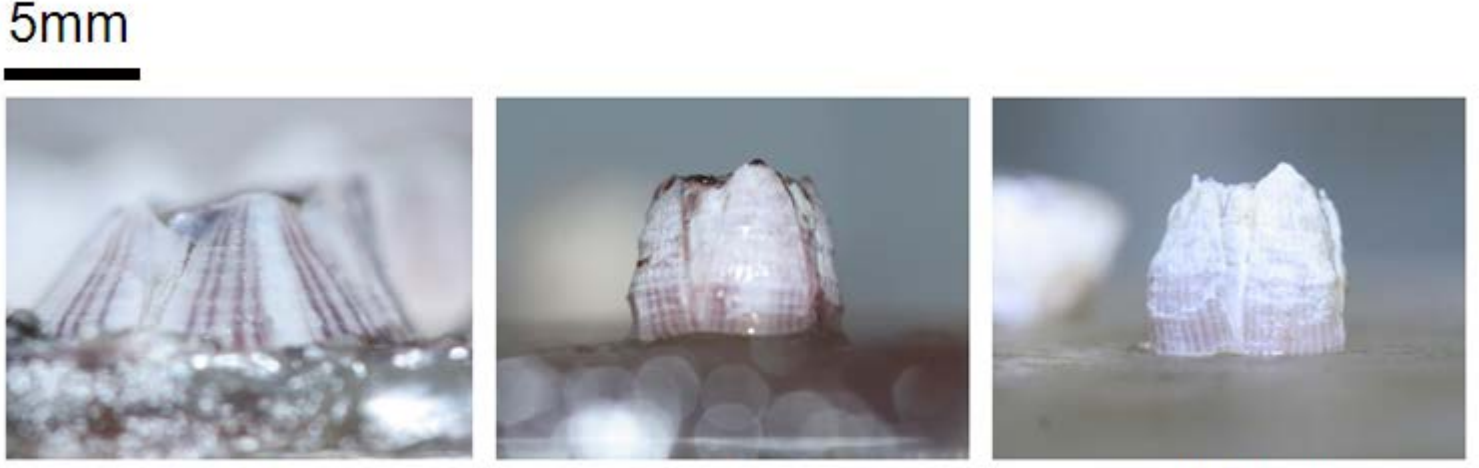
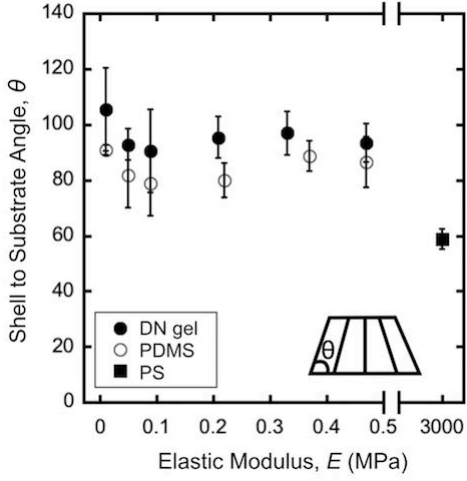
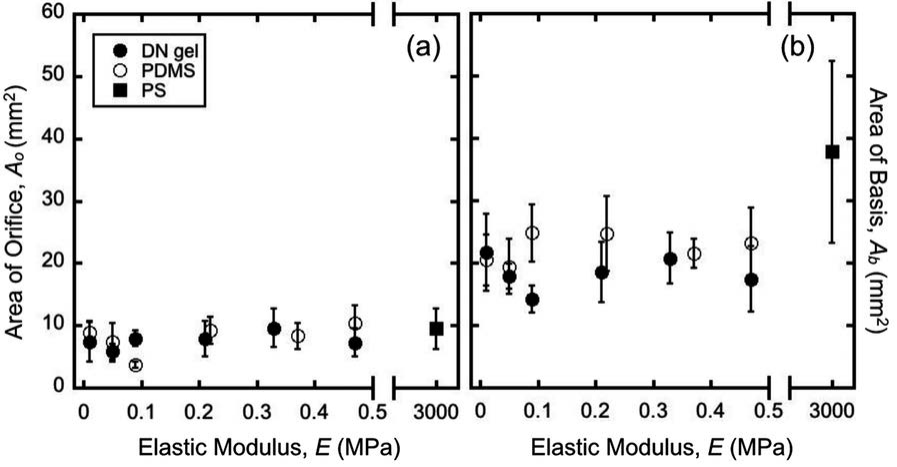
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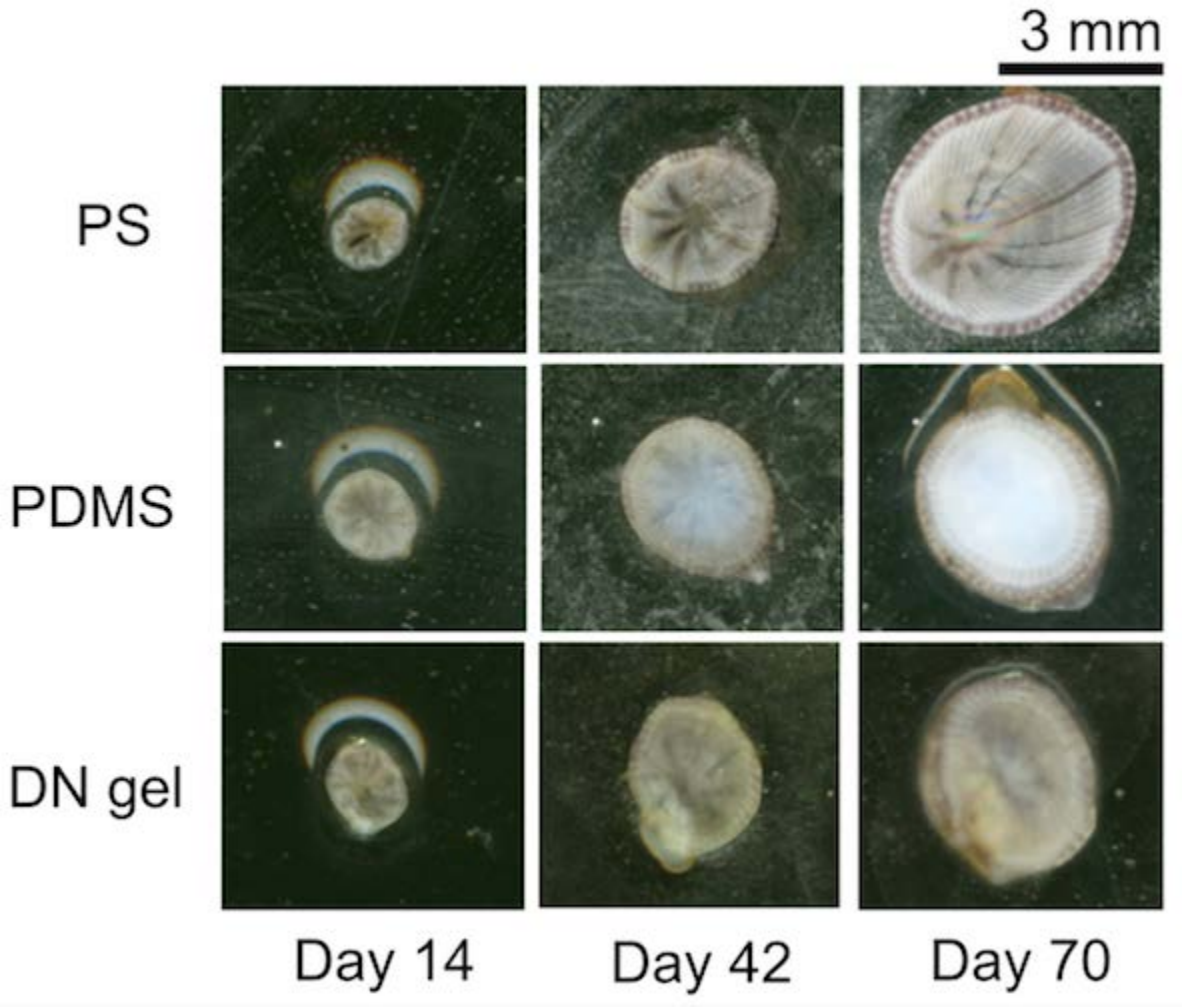
Title	Prolonged morphometric study of barnacles grown on soft substrata of hydrogels and elastomers
Author(s)	Ahmed, Nafees; Murosaki, Takayuki; Kurokawa, Takayuki et al.
Citation	Biofouling, 30(3), 271-279 https://doi.org/10.1080/08927014.2013.863280
Issue Date	2014-03-16
Doc URL	https://hdl.handle.net/2115/58122
Rights	"This is an Accepted Manuscript of an article published by Taylor & Francis in Biofouling on 2014, available online: http://www.tandfonline.com/ 10.1080/08927014.2013.863280."
Type	journal article
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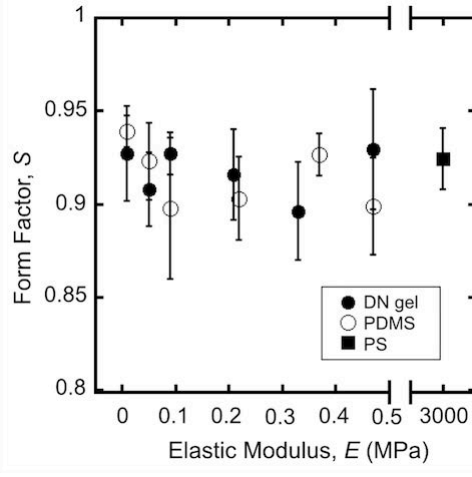
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5mm
PS
PDMS
DN gel


Shell to Substrate Angle, θ
Elastic Modulus, E (MPa)
DN gel
PDMS
PS
θ
140
120
100
80
60
40
20
0
0
0.1
0.2
0.3
0.4
0.5
3000


DN gel
PDMS
PS
(a)
(b)
Area of Orifice, A_o (mm^2)
Area of Basis, A_b (mm^2)
Elastic Modulus, E (MPa)
Elastic Modulus, E (MPa)
0
10
20
30
40
50
60
0
0.1
0.2
0.3
0.4
0.5
3000


3 mm
PS
PDMS
DN gel
Day 14
Day 42
Day 70

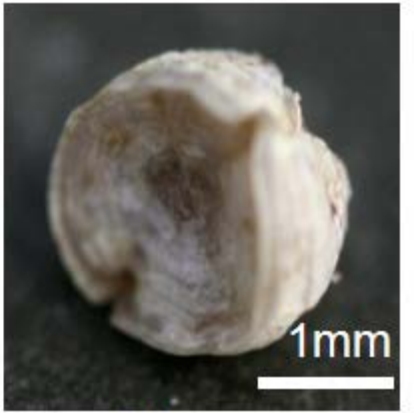

1
0.95
0.9
0.85
0.8
Form Factor, S
0
0.1
0.2
0.3
0.4
0.5
3000
Elastic Modulus, E (MPa)
DN gel
PDMS
PS



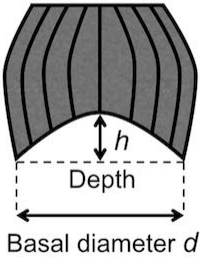
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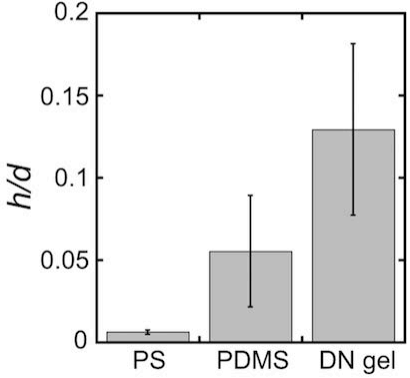


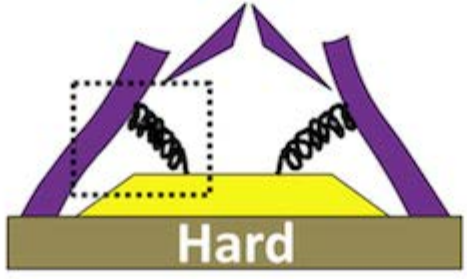
PDMS



DN gel


h
Depth
Basal diameter d


0.2
0.15
0.1
0.05
0
h/d
PS
PDMS
DN gel



PS



DN gel

