

# Supporting Information : Probing diameter-selective solubilisation of carbon nanotubes by reversible cyclic peptides using molecular dynamics simulations

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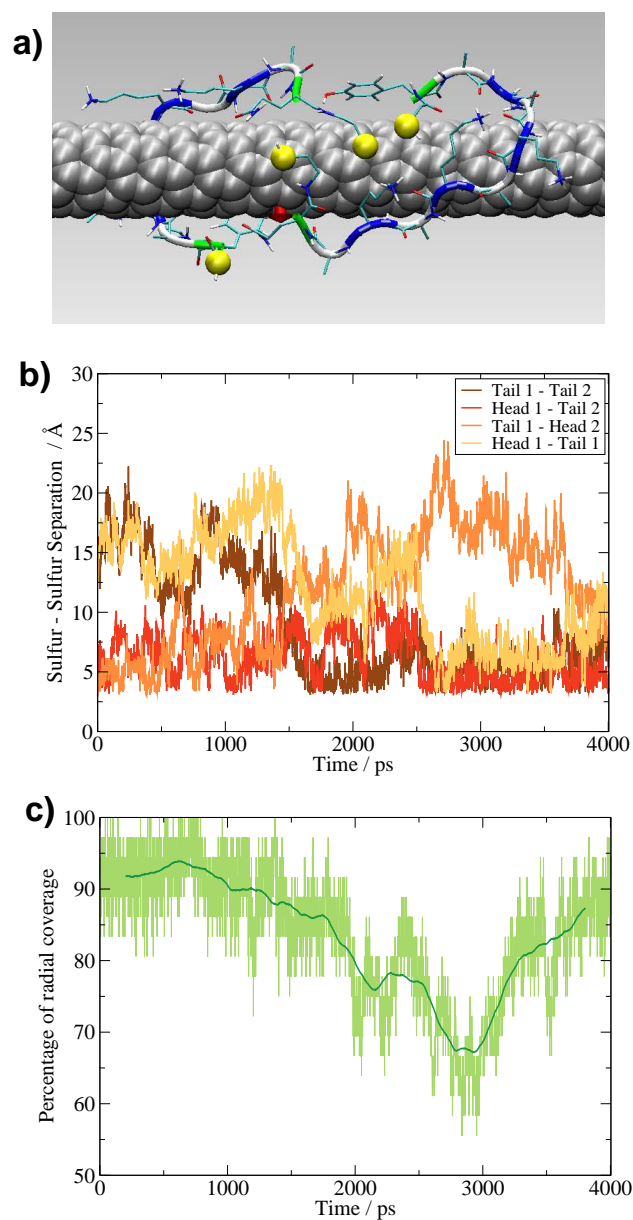
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**Table S1.** Carbon nanotube chiralities  $[(n, m)$  indices] used in this work.

$D_a$ Label	$(n, m)$
0.45	(5,1)
0.55	(7,0)
0.65	(8,0)
0.75	(9,1)
0.85	(11,0)
0.95	(8,6)
1.05	(10,5)
1.15	(12,4)
1.25	(16,0)



**Figure S2:** Evidence of formation of an interpenetrating half-wrap two-chain complex for the RC5/0.45 nm system. **(a)** Snapshot, with sulfur atoms indicated as yellow spheres. **(b)** Sulfur-sulfur non-bonded contacts as a function of time. **(c)** Percentage of radial coverage as a function of time. The dark line indicates the running average of this coverage.











