

Table S2: mechanical parameters for **Fig 4. Emergence of limit cycles for forward and backward locomotion in the dissipative, small-amplitude model**. All segments are identical. Values given in larval units (seg = resting segment length, segmass = mass of a single segment boundary, nondim = dimensionless/nondimensional).

symbol	description	value
b	reflex gain	varies (see figure) segmass seg s ⁻²
l	equilibrium segment length	1 seg
m	segment mass	1 segmass
k_a	axial stiffness	$(2\pi)^2$ segmass s ⁻²
η_a	axial coefficient of viscosity	2π segmass s ⁻¹
μ	coefficient of friction	1 segmass seg s ⁻²