

This file serves as supplementary information for
the paper: Formation of a strong negative wake
behind a helical swimmer in a viscoelastic fluid

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We have attached a series of movies that are used to perform PIV analysis. A list of these movies is included in Table (1) below and can be accessed as supplemental files.

Movies	Flow Plane	Fluid	Pitch angle (ψ°)	Tail thickness (mm)
Movie 1	Z-Y	Newtonian	47.5	1.1
Movie 2	Z-Y	Newtonian	21	2.1
Movie 3	X-Y	Newtonian	47.5	2.1
Movie 4	X-Y	Viscoelastic	47.5	1.1
Movie 5	X-Y	Viscoelastic	47.5	2.1
Movie 6	X-Y	Viscoelastic	16	2.1

Table 1: List of representative movies that are used for PIV analysis. All cases correspond to an imposed rotation rate $\Omega = 0.7$ Hz.