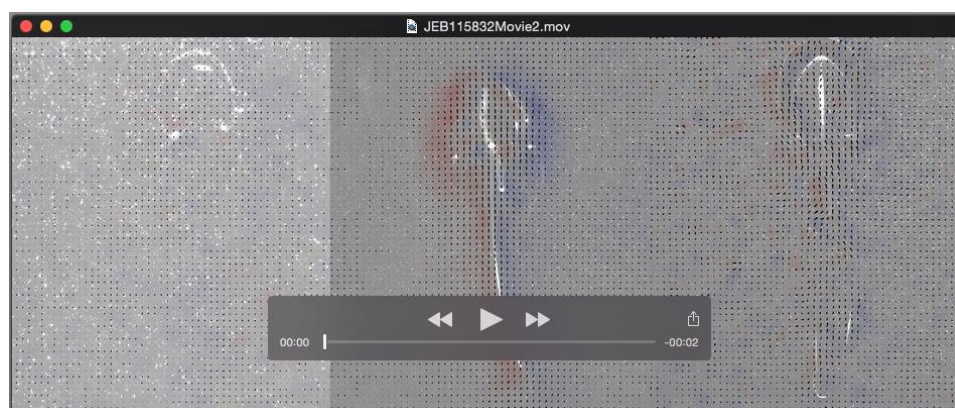




Movie 1. Particle images allow for evaluation of kinematics parameters across ontogeny. *Sarsia tubulosa* swimming behaviour for (L) 1 mm, (C), 4mm, and (R) 6 mm bell exit diameters, corresponding to 101121_sarsia_3, 110729_sarsia_17, and 120613_6p5mm_2 data sets, respectively.



Movie 2. Velocity fields allow for evaluation of energetics parameters across ontogeny. *Sarsia tubulosa* propulsive wakes structures for (L) 1 mm, (C) 4 mm, and (R) 6 mm bell exit diameters, corresponding to 101121_sarsia_3, 110729_sarsia_17, and 120613_6p5mm_2 data sets, respectively.