**Table S1**



Values of pressure, velocity, wall shear and forces for the four static, rotationally symmetric, unsteady flow models three different time steps of the simulation (t1 = 8ms, t2 = 20 ms, t3 = 200 ms) calculated on the sagittal plane of the model, the body surface, gill cover surface and head surface (See Figure 2 for the description of the different shapes of the models and the location of the surfaces).