



Figure S1: Comparison of monthly-average environmental variables at the surface and bottom on the East China Sea shelf. Green and blue solid lines represent surface and bottom simulated data from the Changjiang Biology Finite-Volume Coastal Ocean Model, respectively; red and black points show surface and bottom observation data from 2013 to 2016, respectively. (a)-temperature; (b)-salinity; (c)-dissolved oxygen; (d)-nitrate; (e)-phosphate; (f)-silicate.