***Supplementary material for***

**Effect of Supplemental Selenium in Fish Feed Boosts Growth and Gut Enzyme Activity in Juvenile Tilapia (*Oreochromis niloticus)***

***Estimation of*** ***Amylase Activity***

Three test tubes (TT) were prepared viz. sample TT, blank TT, and standard TT. Firstly, in sample TT, equal quantities (1:1:1) of 01% starch solution, phosphate buffer (pH 7.5), and the sample were poured. Secondly, in blank TT, 01 ml of starch solution was dissolved and then incubated at 37 ºC for 15 minutes, and then 01 ml of 0.1% glucose solution was dissolved. Thirdly, in standard TT, 01 ml of reagent Di-nitro-salicylic acid (DNS) was poured into the sample blank TT and standard TT and then placed in hot boiling water bath for 01 minutes and then cooled down at the room temperature. Then, 02 ml of distilled water was added to the standard and blank TTs. Finally, the spectrophotometric absorption of the three TTs was recorded at 540 nm.

***Estimation of Lipase Activity***

A 10 mM solution of NaOH was taken for titration in the burette. Then 3.5 ml of phosphate buffer solution was dissolved in a flask and 01 ml of sample source liquid was added into it along with an addition of 0.5 ml of olive oil. The obtained mixture was stirred well in a water bath for 30 minutes at 37 ˚C. Finally, 01 ml of acetic acid was added to the mixture and titrated against NaOH 10 mM solution until the solution color turned into pink.