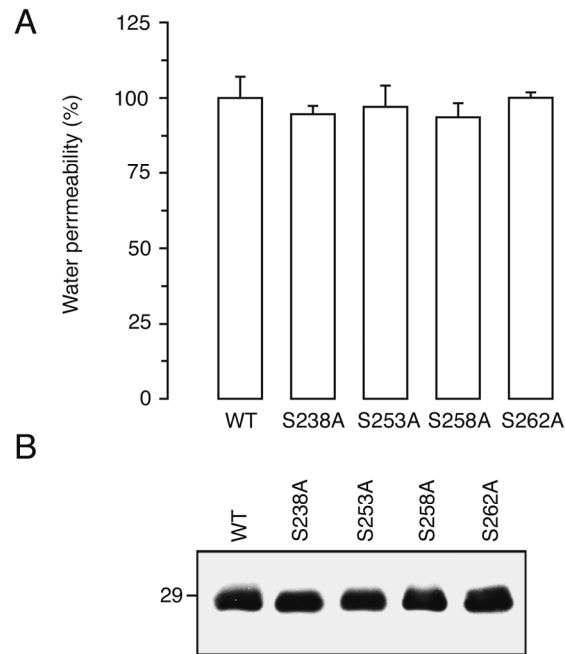


Additional file 2



Water permeability of *X. laevis* oocytes expressing sea bream wild-type (WT) or mutant Aqp1b. The Aqp1b-S238A, Aqp1b-S253A, Aqp1b-S258A and Aqp1b-S262A mutants are shown. *A*, water permeability of oocytes expressing 1 ng cRNA of WT Aqp1b or the different mutants. Permeability is expressed in % related to oocytes injected with wild-type Aqp1b. Values represent the mean $\pm$ SEM of 3 experiments (each performed with different batches of oocytes; $n = 10$ -15 oocytes per treatment). *B*, immunoblots of total membrane equivalents of oocytes expressing WT or mutant Aqp1b showing that all proteins were expressed at similar levels. The apparent molecular mass of a 29-kDa marker is indicated on the left.