



Supplementary Figure 5: Shape changes in *col11a2* zebrafish mutants have a greater affect on jaw biomechanics than material property changes. A,B) Finite Element (FE) models of maximum (E. Max) and minimum (E. Min) principal strain during mouth closing in 7dpf wt and *col11a2*^{-/-} zebrafish. Red arrowheads = areas of high strain, black asterisk = jaw joint. A) wt jaw shape with wt material properties and *col11a2*^{-/-} shape with *col11a2*^{-/-} material properties. B) wt shape with *col11a2*^{-/-} material properties and *col11a2*^{-/-} shape with wt material properties. Ventral and lateral views shown for each.