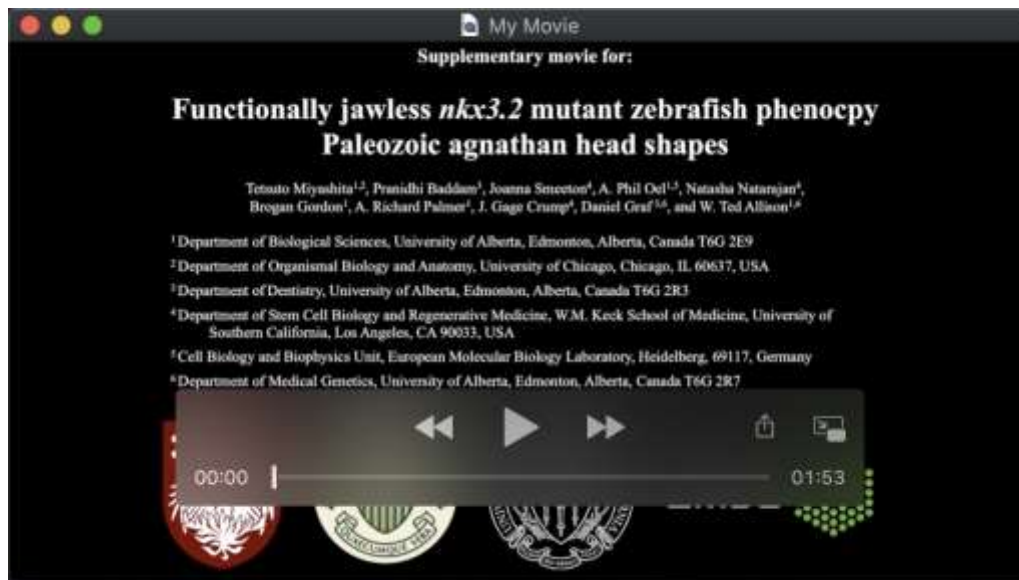


## Supplementary information



**Movie 1. Feeding behaviour and 3D  $\mu$ CT scans of jawless zebrafish.** Phenotypic comparison of *nkx3.2*<sup>-/-</sup> and wildtype zebrafish. Three-dimensional rendering of  $\mu$ CT scan of the age-matched *nkx3.2*<sup>-/-</sup> (ua5011) and wildtype (AB strain) zebrafish at 2 mpf, each followed by filming of feeding behavior on brine shrimp played at 1/10 original speed.