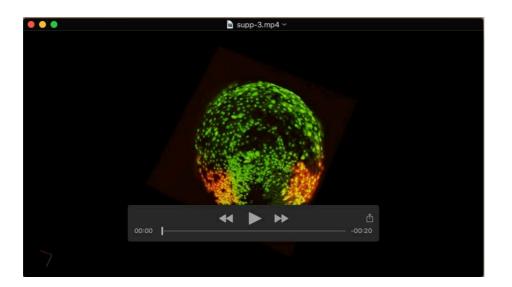


Movie 1. Non-neural ectoderm contributes to the pineal organ. Light-sheet microscopy movie of zebrafish embryo (dorsal view, anterior to the top) expressing Kaede from tail bud to 22-somite stage (T step: 6 min). Photo-converted cells located in the non-neural ectoderm end up in the pineal organ. Also see Fig. 2G-J.



Movie 2. Tracks of non-neural ectodermal cells ending up in the pineal organ.

Tracks of three converted cells located in the non-neural ectoderm at tail bud stage that end up in the pineal organ at 30 hpf. Also see Fig. 2G-K.