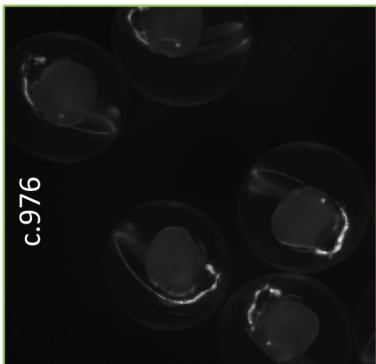


NN nkx2.2a

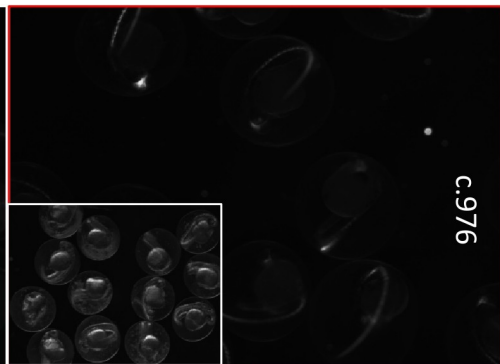
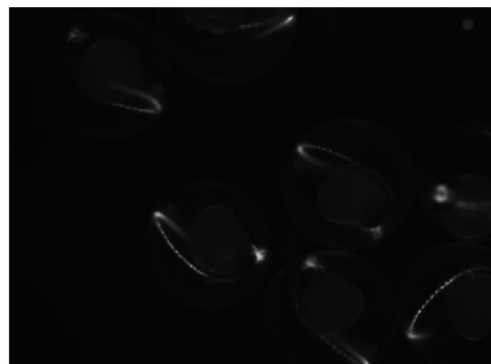
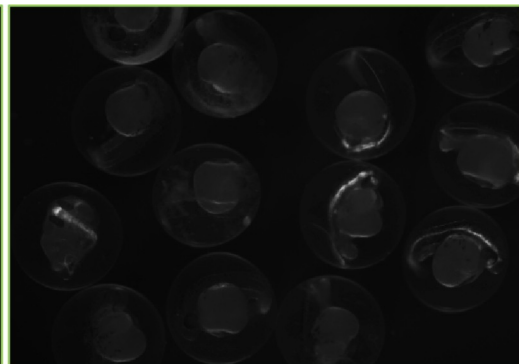
abnnkx2.2a

NN olig2

abn olig2



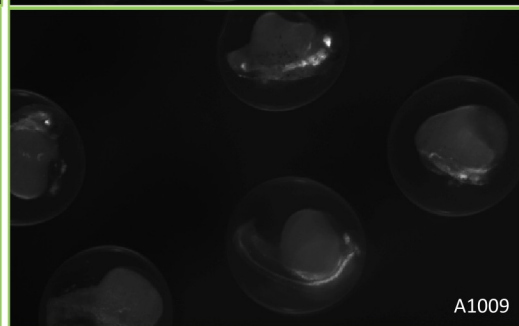
c.976



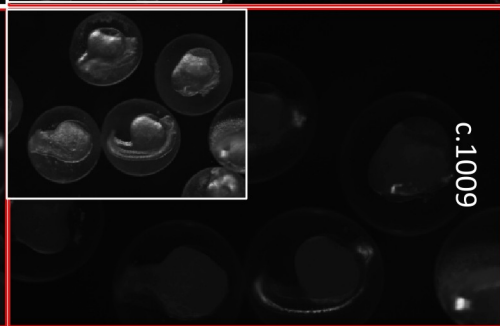
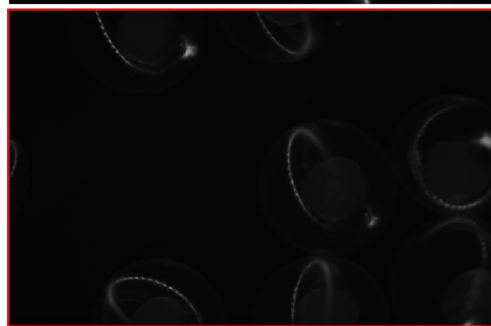
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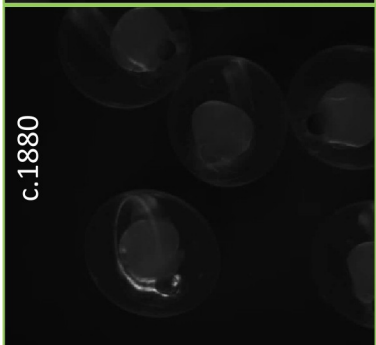
c.1009



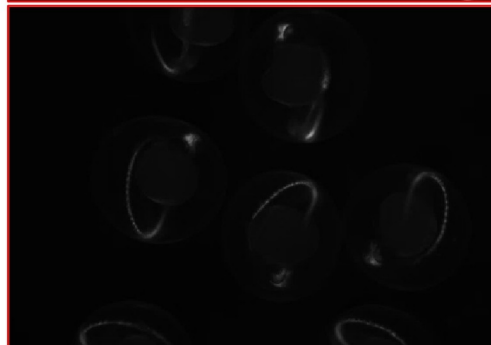
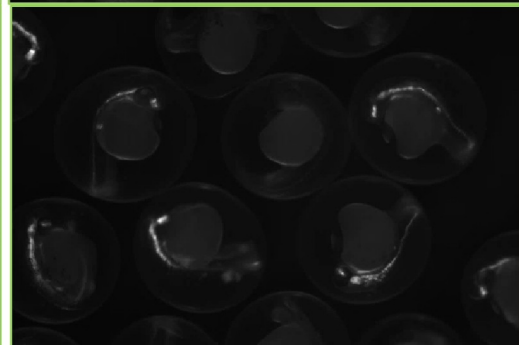
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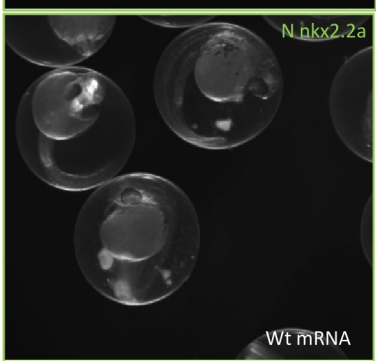
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c.1880

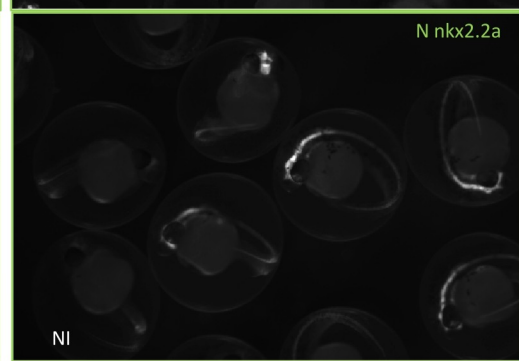


c.1880



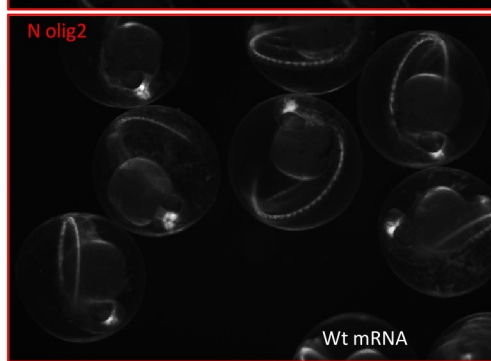
NN nkx2.2a

Wt mRNA



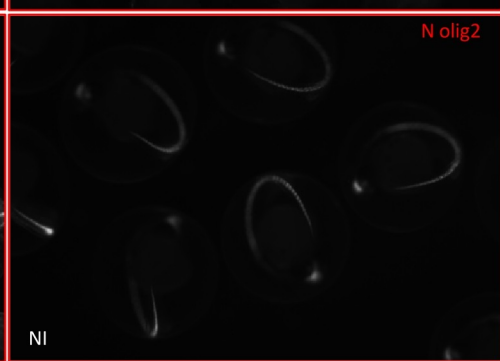
abnnkx2.2a

NI



NN olig2

Wt mRNA



abn olig2

NI

Legend to Supplementary Figure: Aberrant neural development in mutant mRNA injected embryos at 1 dpf. Red and green fluorescence driven by the *olig2* promoter and *nkx2.2a* promoter, respectively, are depicted as white. Pictures were taken of embryos injected with mutant or wt-mRNA (600 pg) or of non-injected controls as indicated in the Figure. Mutant injected mRNAs: c.976C>T, p.Arg326Trp, c.1009G>A, p.Glu337Lys, c.1880C>T, p.Ser627Leu. Inlays show prolonged exposure to demonstrate the presence of embryos. The columns headed by NN represent the near normal looking embryos (NN), abn indicates abnormal embryos. The last row only contains normal embryos (N).