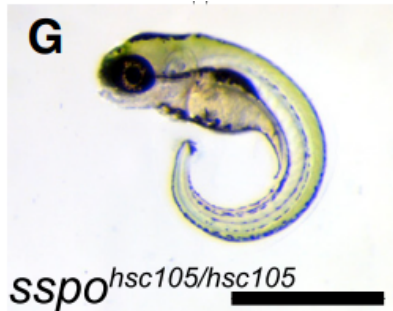


scospondin "Ciruna Allele" aka $sspo^{hsc105}$

This is a loss of function allele and homozygotes have a very obvious phenotype



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$sspo^{WT}$ GCAGCAGG-----GTGTGTGTTT

$sspo^{+16}$ GCAGCAGG**GTGTGTGTGTTGTGT**GTGTGTGTTT

16bp ins

Genotyping: Fin Clip, PCR, run on 3-4% gel

PCR Reaction:

73 bp product

SspoCirunaFwd GGAGCTGTGAGCCGGAC

SspoCirunaRev TCCTGCGCCAGTCCATCA

PCR reaction: 12.5ul GoTaq, 4.5ul water, 3ul primer mix (F+R), 5ul fin clip DNA
55 anneal program

Run the product on a 3-4% gel for at least 45 minutes. The mutant allele will generate a slightly larger band.