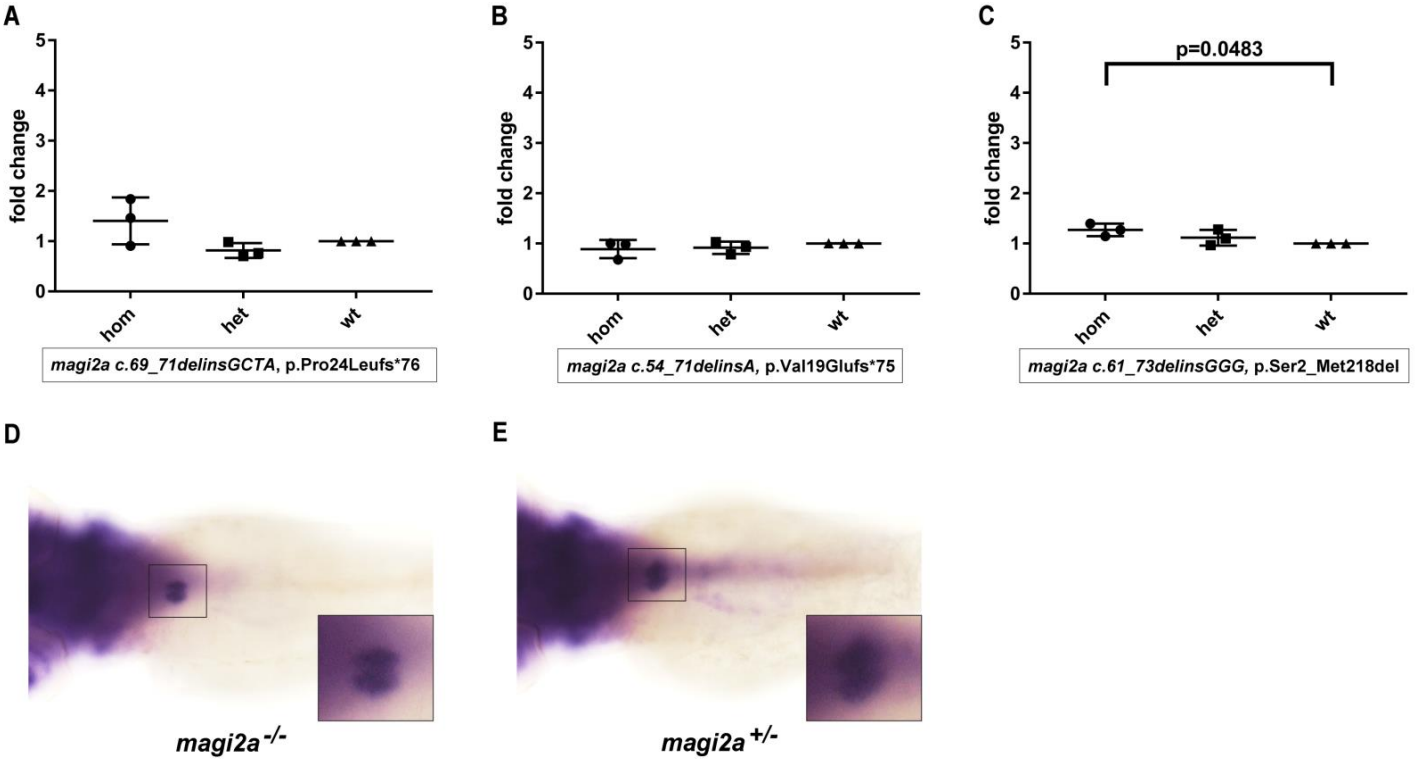

Supplemental Figure S5. Nonsense mediated decay is not involved in the pathogenesis of *magi2a* KO.

(**A-C**) qPCR at 6 dfp for the three *magi2a* alleles that would potentially undergo nonsense-mediated decay, reveals no reduction in expression of the transcript in neither of the KO alleles, suggesting the absence of nonsense mediated decay. (**C**) In contrast, *magi2a* expression is elevated in homozygous *magi2a c.61_73delinsGGG* larvae; p=0.0483.

Specific alleles are indicated below panels. Expression from 3 biological replicates for each genotype is displayed as fold change compared to wildtype control.

(**D-E**) Consistent with the qPCR results, i*n situ* hybridisation (ISH) for *magi2a* at 72hpf does not show a significant reduction in *magi2a* expression for homozygous *magi2a* (**D**; *magi2a*$^{-/-}$) KO larvae (null allele: *c.69_71delinsGCTA*, p.Pro24Leufs*76) compared to a heterozygous clutch mate (**E**; *magi2a*$^{+/-}$).