

Table S1 Morpholino and Primer Sequences**A**

Morpholino	Sequence	Concentration	Reference
<i>her1 mo1</i>	CGA CTT GCC ATT TTT GGA GTA ACC A	1mM (or 0.5mM)	(HOLLEY <i>et al.</i> 2002)
<i>her7 antiATG</i>	CAT TGC ACG TGT ACT CCA ATA GTT G	0.4mM	(GAJEWSKI <i>et al.</i> 2003)
<i>her11 ORF</i>	CGT CAT GTT GAA AGT CGG TGT GCT	0.4mM	(SIEGER <i>et al.</i> 2004)
<i>her12 ORF2</i>	GTG CCA TGT CTG TGC TCG AAC AGC T	0.4mM	Designed by GeneTools
<i>hes6 MO1</i>	TGC AGT TCA GGA CGC TTG AAT GGG	0.6mM	(KAWAMURA <i>et al.</i> 2005)
<i>her15.1 ORF</i>	AGT ATT CAG TCA TAT ATG CAG GAG C	1mM (or 0.5mM)	Designed by GeneTools

B

qPCR Primers	Sequence	Reference
<i>bactin F</i>	CGC GCA GGA GAT GGG AAC C	(KEEGAN <i>et al.</i> 2002)
<i>bactin R</i>	CAA CGG AAA CGC TCA TTG C	(KEEGAN <i>et al.</i> 2002)
<i>her1 intron F</i>	TGC ATG CCT TTC CAC TCT CCC TAA C	(STULBERG <i>et al.</i> 2012)
<i>her1 R</i>	ATG GCA TCT GGG GTC TCC TT	(STULBERG <i>et al.</i> 2012)
<i>her7 intron F</i>	TGT CAA CTC TTA TTT TTG TAG CAA CC	(STULBERG <i>et al.</i> 2012)
<i>her7 R</i>	CGG GCT GCT TTT TGA AGA CA	(STULBERG <i>et al.</i> 2012)
<i>her11 F</i>	TAG ACC TTG CAG TTC AGT ACA TCA A	
<i>her11 intron R</i>	GAC AAG AAA GAA AAA TTA GGC AAA TGA	
<i>her12 F</i>	TTG GCA CAA CAT AAA GCA AGC T	
<i>her12 intron R</i>	TCA AAT TAG TTG AAA TGC TGG AAT G	
<i>hes6 F</i>	GCA ACA CTC ACG ACG AGG AT	(STULBERG <i>et al.</i> 2012)
<i>hes6 intron R</i>	AGT TGT GGG AAA CGT CGA CAA	(STULBERG <i>et al.</i> 2012)
<i>her15 intron F</i>	ACG TTA GCC AAA CGA CAC AGA	
<i>her15 R</i>	GCT GCT CGA TGC AGT TGT TG	
<i>sef intron F</i>	TGA GCT CAC AGC CCT TCT CA	(STULBERG <i>et al.</i> 2012)
<i>sef R</i>	GCA GAA AAG ATG GCG GAA AG	(STULBERG <i>et al.</i> 2012)
<i>axin2 intron F</i>	GCG CGC ACA AAG TAG ACG TA	(STULBERG <i>et al.</i> 2012)
<i>axin2 R</i>	CCA GCA GCA AAG CCT TCA GT	(STULBERG <i>et al.</i> 2012)

C

Probe Primers	Sequence	Reference
<i>sef F</i>	TCA CGG AGA CTT GCG CAT TTT T	
<i>sef R</i>	AGC ACA ACA GGT TAT CCC GCA	
<i>rippy1 F</i>	ATG AAT TCT GTG TGC TTT GCC A	(ZHANG <i>et al.</i> 2008)
<i>rippy1 R</i>	GTT GAA AGC TGT GAA GTG ACT	(ZHANG <i>et al.</i> 2008)

(A) Morpholino, (B) qPCR and (C) in situ hybridization primer sequences used. Morpholinos and primers that have been previously published are referenced on right. Morpholinos for *her12* and *her15* were designed by GeneTools, and validated using 5bp-mismatch controls (Figure S7). Further, the efficiency of these morpholinos was calculated as ~98% and they recapitulated published morphant phenotypes (SHANKARAN *et al.* 2007).