



Figure S1 Modified luciferase assay was used to determine knockdown efficiency for all *her/hes* morpholinos. For each measurement, three experimental replicates were performed. Injection of 1.0mM or 0.5mM *her1* morpholino results in $98.3 \pm 0.9\%$ or $97.3 \pm 1.6\%$ knockdown, respectively. The least efficient knockdown is by *her11* morpholino ($90.5 \pm 5.3\%$). *her12* morpholino is $98.1 \pm 0.7\%$ efficient, and 1.0mM and 0.5mM concentrations of *her15* morpholino are $97.8 \pm 0.4\%$ and $95.8 \pm 1.8\%$ efficient, respectively.