

**Supplementary Table 2. Effect of *gpr161* knockdown on *lefty2* expression on lateral plate mesoderm.**

	% normal <i>lefty2</i> on left	% abnormal <i>lefty2</i> absent	% abnormal <i>lefty2</i> bilateral	% abnormal <i>lefty2</i> on right	total embryos
CTL	99.3	0.0	0.7	0.0	301
<i>gpr161</i> - MO	67.0	31.6	0.3	1.1	348