

Supplemental Table 1. Position control genes used in manuscript

	signaling pathway	pattern/expression reference	patterning RNAi phenotype	phenotype reference
<i>notum</i>	WNT	Petersen 2011	two tails	Petersen 2011
<i>sFRP-1</i>	WNT	Petersen 2008, Gurley 2008		
<i>sFRP-2</i>	WNT	Gurley 2010		
<i>ndl-4</i>	FGF	Rink 2009		
<i>ndl-3</i>	FGF	Rink 2009		
<i>ndk</i>	FGF	Cebria 2002	brain/eye expansion	Cebria 2002
<i>wnt2</i>	WNT	Petersen 2008		
<i>wntA</i>	WNT	Kobayashi 2007, Adell 2009	brain/eye expansion	Kobayashi 2007, Adell 2009
<i>wntP-2</i>	WNT	Petersen 2008, Petersen 2009, Gurley 2010	synergistic with <i>wnt1</i>	Petersen 2009
<i>wnt11-1</i>	WNT	Petersen 2008, Gurley 2010		
<i>wnt11-2</i>	WNT	Adell 2009, Gurley 2010	tailless, posterior midline defects	Adell 2009, Gurley 2010
<i>fz-4</i>	WNT	Gurley 2008		
<i>wnt1</i>	WNT	Petersen 2008	two heads	Adell 2009, Petersen 2009
<i>wntless</i>	WNT	Adell 2009	two heads	Adell 2009
<i>bmp4</i>	BMP	Orii 1998, Molina 2007, Reddien 2007, Orii 2007	ventralization	Molina 2007, Reddien 2007, Orii 2007
<i>nlg-8</i>	BMP	Molina 2009	neural ventralization	Molina 2011
<i>nlg-7</i>	BMP	Molina 2009		
<i>tolloid</i>	BMP	Reddien 2007	midline defects	Reddien 2007
<i>admp</i>	BMP	Molina 2011, Gaviño 2011	synergistic with <i>bmp4</i>	Gaviño 2011, Molina 2011
<i>nog-1</i>	BMP	Molina 2007, Molina 2009	dorsalization	Molina 2011
<i>glypican-1</i>	BMP	Wenemoser 2012	indented heads, midline defects	Wenemoser 2012
<i>netrin1</i>	netrin/dcc	Cebria 2005		
<i>netrin2</i>	netrin/dcc	Cebria 2005	CNS architecture defects	Cebria 2005
<i>wnt5</i>	WNT	Marsal 2003, Adell 2009	deflected brain, ectopic pharynxes	Adell 2009, Gurley 2010
<i>slit</i>	slit/robo	Cebria 2007	midline defects	Cebria 2007