Table S6. ISH and qPCR analysis of potential zebrafish cyclic gene

	Mouse gene	Zebrafish gene	On ZF chip	Expressed in post. PSM	Checked by ISH	Checked by qPCR	Ref. for post. PSM expression
Notch	Hes1, Hes5, Hes7	her1, her2, her4, her7, her12, her15	Yes	Yes	Yes	Yes (her1, her7)	(Holley et al., 2000; Oates and Ho, 2002)
	Hey1	hey1	Yes	No	No	No	(Thisse and Thisse, 2005)
	Dll1, Dll3	dlc	Yes	Yes	Yes	No	(Jiang et al., 2000)
	Lfng	lfng	Yes	No	No	No	(Leve et al., 2001)
	Nrarp	nrarpa	Yes	Yes	Yes	Yes	(Topczewska et al., 2003)
		nrarpb	Yes	No	No	No	
	Nkd1	nkd1	No	Yes	No	No	(Van Raay et al., 2007)
		nkd2	No	No	No	No	
	Id1	id1	Yes	Yes	No	No	(Thisse et al., 2001)
FGF	Spry2	spry2	Yes	Yes	Yes	No	This study
		spry4	Yes	Yes	No	Yes	(Thisse et al., 2001)
	Snai1	snai1a	Yes	Yes	No	Yes	(Hammerschmidt and Nusslein-Volhard, 1993)
		snai1b	Yes	No	No	No	(Li and Cornell, 2007; Liedtke and Winkler, 2008; Lister et al., 2006; Montero-Balaguer et al., 2006)
	Dsp6	dusp6	Yes	Yes	No	Yes	(Plaster et al., 2007)
	Efna1	efna1	No	No	No	No	(Barrios et al., 2003)
Wnt	Dkk1	dkk1	Yes	No	Yes	No	This study
	Axin2	axin2	Yes	Restricted to tailbud	No	No	(Thisse et al., 2001)
	Dact1	dact1	No	Yes	Yes	Yes	(Waxman et al., 2004)
		dact2	Yes	Yes	Yes	No	
	Sp5	sp5	Yes	Restricted to tailbud	Yes	Yes	(Tallafuss et al., 2001)
		sp5l	Yes	Yes	Yes	Yes	(Thisse et al., 2001)
	c-Myc	myc-a	Yes	Yes	Yes	No	This study
		myc-b	Yes	Not known	No	Yes	
	Tnfrsf19	tnfrsf19	Yes	No	Yes	Yes	This study
Other	Has2	has2	Yes	Yes	Yes	No	This study
	Phlda1	ENSDARG00000039714	No	No	No	No	(Thisse and Thisse, 2004)
	Chicken gene	gpr177	Yes	Yes	Yes	No	(Jin et al., 2010), this study
Genes from zebrafish cyclic candidate list		fbln1	Yes	Yes	Yes	Yes	(Rauch et al., 2003)
		tbx16	Yes	Yes	Yes	Yes	(Thisse et al., 2001)
		rhov	Yes	Yes	Yes	No	(Thisse et al., 2001)
		angptl7	Yes	Yes	Yes	No	(Thisse and Thisse, 2004)

ISH and qPCR studies of zebrafish cyclic gene candidates inferred from orthology to mouse (Dequeant et al., 2006) and chicken cyclic genes or from the zebrafish cyclic candidate list (Fig. 2).

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