

Hedgehog pathway Notch pathway BMP pathway Wnt pathway FGF pathway

N. vectensis

lhh	HES-2-like	Bmper	beta-catenin	FGF1-like
Ptch1	Hes1	Chordin	Dickkopf 1/4	FGF8A
talpid 3	Hes2	Notum	dishevelled	FGFa1
	Hes3	NvAdmp-related	Dlg2 discs	Fgfr1
	Jag1	NvBMP2/4	Frizzled 10	GTP-binding protein Rit1_1
		Rgmb	Frizzled-1	GTP-binding protein Rit1_2
		Tgfbra1	Frizzled4	Igf2bp3
			Frizzled5/8	Map3k9
			NvWnt1	Map4k4
			NvWnt11	Mapk4
			NvWnt16	Rab18
			NvWnt2	Rab31
			NvWnt3	Rab42
			NvWnt4	Rapgef2
			NvWnt6	Rasal2
			NvWntA	Trib2
			Prickle2	Vegfc
			Vangl2	

S. purpuratus

Ptch1	Hes1	Bmp2	Dlg5	Fgf16
lhh	Hes2	Bmp4	Frizzled2	Fgf17
	Hes3	Bmper	Frizzled5/8	Fgfr1
	Jag1		Prickle-like 2	Igfbp1
			Prickle1	Rab-8B
			Wnt16	Rasal2
			Wnt7b	Rhou
			Wnt8b	
			Wnt9a	