

**Table S5 27 seam cell/VPC Wnt regulated genes validated by qPCR.** 105 genes (~44%) of 239 putative Wnt target genes were tested by qRT-PCR to validate the directional change observed by microarray, and 27 (26%) genes passed the verification screen (were upregulated  $\geq 1.5$  fold in response to Wnt pathway over-activation). Twelve genes (shown in the bottom half of the table) were also downregulated  $\geq 1.5$  fold in response to Wnt pathway under-activation. *gpd-2* was the reference gene. Biological triplicates of control (*dels10*) and experimental samples (*dels10; huls1* and *dels10; dels26*) were analyzed.

Gene WB ID	Gene	fold change Wnt over-activation	fold change Wnt under-activation
WBGene00000626	<i>col-49</i>	947.5	1.3
WBGene00012046	<i>T26E4.4</i>	190.1	1.6
WBGene00010743	<i>K10D6.3</i>	151.0	0.9
WBGene00021997	<i>Y59E9AR.1</i>	6.8	1.2
WBGene00010538	<i>ttr-3</i>	5.7	1.2
WBGene00000516	<i>cki-1</i>	4.5	1.2
WBGene00009590	<i>ttr-4</i>	4.5	1.0
WBGene00015769	<i>C14C11.7</i>	4.1	1.2
WBGene00010856	<i>M04C9.1</i>	3.0	0.8
WBGene00015605	<i>C08E3.13</i>	2.8	0.8
WBGene00003102	<i>mab-5</i>	2.0	0.9
WBGene00021379	<i>Y37E11B.7</i>	1.9	1.1
WBGene00002990	<i>lin-1</i>	1.6	0.6
WBGene00021927	<i>Y55F3AM.10</i>	1.6	1.1
WBGene00003763	<i>nlp-25</i>	1.5	0.7
WBGene00011561	<i>ttr-15</i>	1.5	0.8
WBGene00009807	<i>pepm-1</i>	10.4	0.3
WBGene00004202	<i>pry-1</i>	4.1	0.1
WBGene00008435	<i>glna-2</i>	3.8	0.5
WBGene00000072	<i>add-1</i>	2.2	0.1
WBGene00001692	<i>grd-3</i>	1.8	0.1
WBGene00006660	<i>twk-5</i>	1.7	0.5
WBGene00012783	<i>Y43C5A.3</i>	1.7	0.4
WBGene00015196	<i>B0454.5</i>	1.6	0.2
WBGene00000406	<i>cdk-4</i>	1.6	0.4
WBGene00012591	<i>nspe-1</i>	1.6	0.3
WBGene00005025	<i>sqv-7</i>	1.5	0.5