

Supplementary Table

Table S1. Analysis of chondrocyte shape in the center of the ceratohyal element.

	Mean LWR	Standard Deviation	P value
WT	4.107	0.717	0.5279
<i>wnt11</i>	4.096	0.6098	0.3577
<i>scribble</i>	4.063	0.7509	0.6213
<i>vangl2</i>	3.497	0.9039	0.1901
<i>wnt5b</i>	1.650	0.4876	0.0059
<i>gpc4</i>	1.644	0.5072	0.0259

	Mann-Whitney U	Difference between Means	P value
WT vs <i>vangl2</i>	447.5	0.760	0.0006
WT vs <i>wnt5b</i>	6.5	2.550	< 0.0001
WT vs <i>gpc4</i>	6.0	2.520	< 0.0001
<i>gpc4</i> vs <i>wnt5b</i>	789	0.030	0.9181

Length and width of 40 cells of 4 ceratohyal elements were measured and analysed for each genotype as described in the Methods section. Abbreviations: LWR = length to width ratio, WT = wild type