${\bf S3\,Table:}$ Ectopic Grem1 protein causes differences in the morphogenesis of cultured palatal shelves.

Areas enclosed by 10 pairs (control) and 6 pairs (Grem1-treated) of palatal shelves were measured using imagej (http://imagej.nih.gov/ij/) at 0 hours (A), 24 hours and 48 hours (A'), respectively. The differences between A and A' (δA) were not significant in the controls but the areas increased significantly in the Grem1-treated samples (P = 0.00136). A comparison between δA of controls and δA of Grem1-treated samples revealed a significant difference (P = 0.00142).

Control	Grem1-treated						
	0 hours	48 hours			0 hours	48 hours	
Sample	Α	A'	δA(A'-A)	Sample	Α	A'	δA(A'-A)
1	11687	7512	-4175	1	11129	14905	3776
2	11028	8967	-2061	2	12345	18431	6086
3	17320	15071	-2249	3	10996	21259	10263
4	14192	9488	-4704	4	23362	36290	12928
5	31420	26432	-4988	5	27414	37293	9879
6	30256	27533	-2723	6	31113	36136	5023
7	22689	24721	2032			Average	7992.5
8	25107	33106	7999			STDev	3558.22
9	36827	36921	94				
10	25796	31450	5654				
		Average	-512.1	Control A vs A'; P =			0.36231
		STDev	4455.03	Grem1-treated A vs A'; P =			0.00136
				Control δA vs Grem1-treated δA; P =			0.00142