Additional file 2

Table S1: Microarray analysis of neural crest cells from the OFT of control and ILK mutant embryos at E10.5

gene	description	ctrl signal	FC(mut/ctrl)	
			Microarray	qPCR
muscle differentiation				
Myog	myogenin	449.7	0.667	0.23
Scx	scleraxis	318.6	0.659	0.65
Zfp874	zinc finger protein 874	164.8	0.656	
Xist | Xist	inactive X specific transcripts	1038	0.652	
Neb	nebulin	78.82	0.638	
Nppa	natriuretic peptide precursor type A	629.8	0.621	
heart and outflow tract development				
Gp1bb	glycoprotein Ib, beta polypeptide	73.1	1.5	1.93
Sall4	sal-like 4 (Drosophila)	454.8	1.487	3.49
Sost	sclerostin	255.5	1.458	2.67
Wfikkn1	WAP, FS, Ig, KU and NTR-containing protein 1	80.18	1.555	1.8
Edn1	endothelin 1	59.69	1.74	
Junb	Jun-B oncogene	56.07	1.45	3.56
Zic1	zinc finger protein of the cerebellum 1	103.7	0.548	0.68
neural development				
Scn9a	sodium channel, voltage-gated, type IX, alpha	13.57	4.089	5.62
Sncg	synuclein, gamma	113.8	3.038	
Stmn3	stathmin-like 3	119.9	2.771	
Stmn2	stathmin-like 2	110.9	2.156	2.75
Nefm	neurofilament, medium polypeptide	401.5	2.024	
Neurod1	neurogenic differentiation 1	113.7	1.974	2.32
Nefl	neurofilament, light polypeptide	572.6	1.788	
Tubb1	tubulin, beta 1	107.2	1.724	
Ina	internexin neuronal intermediate filament protein, alpha	97.78	1.697	
Neurod4	neurogenic differentiation 4	63.81	1.667	2.33
Elavl4	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D)	147.3	1.664	
Prtg	protogenin homolog (Gallus gallus)	602.3	1.663	
Fabp7	fatty acid binding protein 7, brain	386.5	2.114	3.65
Nhlh2	nescient helix loop helix 2	84.6	1.514	3.93
Osteogenesis				
Spp1	secreted phosphoprotein 1	99.57	1.831	
Junb	Jun-B oncogene	56.07	1.45	3.56
Aspn	asporin	90.61	0.656	
Sost	sclerostin	255.5	1.458	2.67
Lbxcor1	ladybird homeobox 1 homolog (Drosophila) corepressor 1	98.64	0.628	
Lect1	leukocyte cell derived chemotaxin 1	90.35	0.625	
Migration and cytoskeleton				
Plek	pleckstrin	67.86	1.586	2.5
Fermt3	fermitin family homolog 3 (Drosophila)	235.8	1.579	1.48
Ly86	lymphocyte antigen 86	83.32	1.536	
Col9a3	collagen, type IX, alpha 3	105.3	0.634	0.3
Limk1		63.22	0.618	

Ilk	integrin linked kinase	805.1	0.531	
Lamb1-1	laminin B1 subunit 1	52.01	0.518	0.5
St3gal4	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	97.51	0.301	
others				
Taf10	TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor	83	2.879	
Skiv2l2	superkiller viralicidic activity 2-like 2	198.3	1.573	
Atad5	ATPase family, AAA domain containing 5	77.42	1.571	
Trim71		192.7	1.559	
Zhx1	zinc fingers and homeoboxes 1	78.71	1.538	
Cuedc1	CUE domain containing 1	111.9	1.537	
Fnbp4	formin binding protein 4	82.42	1.504	
Pth	parathyroid hormone	155.7	0.391	
Afp	alpha fetoprotein	80.15	0.311	

Note: The expression data were normalized and differential expression was defined based on a cutoff of 1.5 fold change (FC) with a p value ≤ 0.05.