

Supplemental Tables

Table S1: antibodies used in this study

	Dilution	Supplier	Catalog number
MyoD	1:100	Santa CruzBiotechnology Inc	Sc-304
Myogenin	1:100	Santa CruzBiotechnology Inc	Sc-578
Akt	1:1000	Cell Signaling	4685
p-Akt	1:1000	Cell Signaling	9271
p-S6	1:1000	Cell Signaling	2211
S6	1:1000	Cell Signaling	2217
p-S6kinase	1:1000	Cell Signaling	9205
pGSK3a/b (Ser219)	1:500	Cedarlane	9331
Active beta-catenin	1:250	Millipore corp.	05-665
Myosin heavy chain	1:200	Sigma	M7523
Tubulin	1:5000	Sigma	T9026
pIGF receptor	1:1000	Cell Signaling	6113
pIRS1	1:1000	Cell Signaling	2388
IGF receptor	1:1000	Cell Signaling	3027
IRS1	1:1000	Cell Signaling	2382
pPI3Kinase p85	1:1000	Cell Signaling	4228
PI3Kinase p85	1:1000	Cell Signaling	4257
HA-tag	1:250	Roche	1583816
Laminin	1:1000	Sigma	9393
Foxo1	1:1000	Cell Signaling	9454
Foxo3a	1:1000	Cell Signaling	9467
p-Foxo1/Foxo3a	1:1000	Cell Signaling	9464
p-PKC	1:1000	Cell Signaling	9371
p-CamKII	1:1000	Cell Signaling	3361
Phospho-c-Jun	1:1000	Cell Signaling	3270
G protein alpha S	1:1000	AbCam	cb83735

Table S2: Primers used in this study

Primer	Sequence 5'-3'
IGF-receptor USP	CAA GCT GTG TGT CTC CGA AA
IGF-receptor DSP	TGA TTC GGT TCT TCC AGG TC
IGF-1Ea USP	TGA CAT GCC CAA GAC TCA
IGF-1Ea DSP	TGT GGC ATT TTC TGC TC GTG G
MGF USP	AGC TGC AAA GGA GAA GGA AAG GAA G
MGF DSP	GGT GAT GTG GCA TTT CCT GCT
Myogenin USP	CAG TAC ATT GAG CGC CTA C
Myogenin DSP	AAG GCA ACA GAC ATA TCC TC
MyoD USP	CTA CAG TGG CGA CTC AGA T
MyoD DSP	CAC TGT AGT AGG CGG TGT C
Fzd7 USP	GCTTCCTAGGTGAGCGTGAC
Fzd7 DSP	AACCCGACAGGAAGATGATG
Vangl2 USP	CCCCAGTTCACACTCAAGGT
Vangl2 DSP	ACTTGGGCAGGTTGAGGAG
Gapdh USP	ATGCCAGTGAGCTTCCCGTC
Gapdh DSP	CATCACCATCTTCCAGGAGC
Fzd3 USP	CCTTGAGGATGTGCCAAGAT
Fzd3 DSP	GCTATAGGCACGCTGACACA
GNAS1 USP	AACTGGAGGAGGAGAAGATG
GNAS2 USP	TCAGGTTGTTTTTGATGTCC

Table S3: siRNA sequences used in this study

siRNA ID	directed against	sequence
ID dd66302, Ambion	Fzd3	CAAGAUUCCGUUACCCUGAtt
ID s66314	Fzd7	GUGCUUUACUUCUUCGGUAtt
ID s96802	Vangl2	GCUUGGUAGUGAGCACCAAtt
SiRNA pool:	GNAS1	
SR301848A		UGAAACGUAAUUGUACAAGDAGUTA
SR301848B		CAACCUGAAAGAGGCGAUUGAAACC
SR301848B		CGAACGCUCCAACGAGAGUACCAGATG