

Supplemental Figure 1: Fully annotated heatmap supplementing Fig. 1a by including the identities (IMAGE Clone ID, Unigene ID, Gene Name) of all 275 genes.

Sham transfectio	Non-silencing siR	MYO6-siRNA-1	MYO6-siRNA-2				
ş	ž	Έ	Σ	IMAGE ID	Gene Symbol	Fold Change	w
				2911545	TXNIP	9.81	3.39
				297392	MT1X	.40	2.80
				785744	MFGE8	.42	2.37
				49502	CYLN2	.42	2.25
				161993	CEBPB	.51	2.16
				297392	MT1X	.43	2.15
				744944	MYO6	.44	2.08
				810711	SCD	.59	1.90
				66555	GTPBP2	.51	1.85
				2308429	PPFIA4	.42	1.81
				1684400	ENO1	.65	1.81
				842863	NDRG1	.47	1.79
				753038	KIFC3	.55	1.72
				490995	PLOD2	.39	1.68
				278430	KIF5C	1.68	1.63

RNA

Supplemental Figure 2: Gene expression alterations following myosin VI inhibition. Each color-coded square reflects the expression ratio of each gene in each of the samples, with red indicating increased expression compared to reference (untreated LNCaP), and green meaning decreased expression compared to reference. Based on a comparison of 2 siRNA treated samples vs. 2 control samples, values of w were computed as described (15) and the top 15 genes were identified using a cut-off value of w>1.6. Fold expressionchange is the ratio of the mean expression values, with siRNA treated samples as the numerator.