

Supplementary data: Table II. Genes differentially regulated in gp130 heart-knock-out mice after bio-mechanical stress.

AccNum	LocusLink	Gene Name	Fold changes		
			wt TAC vs. wt sham	ko TAC vs. ko sham	ko TAC vs. wt TAC
AJ005559	20755	small proline-rich protein 2A	17.75311	1.197479	-12.8171
AJ005560	20756	small proline-rich protein 2B	4.316913	1.274561	-4.92458
X94998	14264	fibromodulin	17.87659	1.879045	-3.97237
AJ005559	20755	small proline-rich protein 2A	4.055838	-1.03526	-3.91768
AF057156	20753	small proline-rich protein 1A	29.85706	8.938297	-3.45815
AW124134			2.188587	-1.19748	-3.09513
X04673	11537	adipsin	2.265768	-2.11404	-2.46229
AW124049	52331	DNA segment, Chr 5, ERATO Doi 593, expressed	2.234574	1.404445	-2.44528
AW227545			2.80889	-1.00696	-2.09943
AV003873	28201	DNA segment, Chr 14, University of Calif. Los Angeles 3	4.346939	1.658639	-2.08493
AI844507	66251	RIKEN cDNA 1810004P07 gene	2.378414	1.132884	-2.04202
L04961	22438	inactive X specific transcripts	3.506423	1.109569	-2.01391
X58196	14955	H19 fetal liver mRNA	3.680751	1.591073	-1.97247
K02781	18157	natriuretic peptide precursor type A	7.012846	2.789487	-1.85318
AW046032	14062	coagulation factor II (thrombin) receptor	2.675855	1.765406	-1.82766
AV366654	76293	RIKEN cDNA 1110007F23 gene	6.364292	3.24901	-1.69349
U13705	14778	glutathione peroxidase 3	2.514027	1.189207	-1.67018
X12973	17901	myosin light chain, alkali, fast skeletal muscle	3.917681	1.70527	-1.65864
D14077	12759	clusterin	3.5801	1.765406	-1.65864
AF058798	55948	makorin, ring finger protein, 3	2.602684	1.505247	-1.65864
AW228316	76453	RIKEN cDNA 2310046G15 gene	3.138336	2.234574	-1.65864
AI853802	56421	phosphofructokinase, platelet	3.010493	1.879045	-1.64718
U44088	21664	T-cell death associated gene	2.20381	-1.12506	-1.55833
U88566	20377	secreted frizzled-related sequence protein 1	3.706352	2.114036	-1.55833
M16238			2.566852	1.958841	-1.54756
M60474	17118	myristoylated alanine rich protein kinase C substrate	2.751084	1.905276	-1.52626
D29639	15107	L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain	-3.03143	-2.01391	1.526259
AI648018	72479	RIKEN cDNA 2610207I16 gene	-2.53151	-1.70527	1.526259
AW121468	13643	ephrin B3	-2.77022	-1.77769	1.536875
AB013345	16527	potassium channel, subfamily K, member 3	-2.49666	-1.56917	1.558329
AI505355	15464	histidine rich calcium binding protein	-3.50642	-2.26577	1.569168
AF030343	51798	enoyl coenzyme A hydratase 1, peroxisomal	-2.39496	-1.59107	1.591073
AV375788	81877	tenascin XB	-2	-1.06437	1.70527
AJ001418	27273	pyruvate dehydrogenase kinase 4	-2.8481	-1.23114	2
AJ007376	26900	DEAD box polypeptide, Y chromosome	-103.968	-1.69349	60.54769

Note: wt = wild-type mice, ko = gp130 cardiomyocyte-restricted conditional knockout mice, TAC = mice with transverse thoracic aortic constriction, sham = sham operated mice.