

Supplementary data: Table IV. Cell signaling and hypertrophic response after TAC.

Mice	pSTAT3	pERK1/2	p-pP38	LV/BW [%]	P.G. [mmHg]	DNA chip
1h-1	++	++	++	0.36	51.4	*
1h-2	++	++	+/-	0.38	49.1	*
1h-5	+	+	++	0.32	27.1	
1h-sh1	+/-	+/-	+	0.36		*
1h-sh2	+/-	+/-	++	0.32		*
5h-1	+	+	++	0.33	31.4	
5h-2	+/-	+	++	0.38	65.9	*
5h-3	+/-	+	++	0.33	76	*
5h-4	+/-	+	+/-	0.32	41.5	
5h-sh1	+	+	+/-	0.33		*
5h-sh2	+/-	+	+/-	0.32		*
20h-1	+	+/-	++	0.33	79.5	*
20h-2	+	+/-	+	0.32	16.6	
20h-5	+	+	++	0.38	60.0	*
20h-6	++	+	+	0.35	60.5	
20h-sh1	+/-	+	+	0.32		*
20h-sh2	+/-	+	+	0.34		*
4d-1	+	++	+	0.38	62.6	
4d-2	+	++	+/-	0.43	56.6	
4d-4	++	++	+	0.45	62.4	*
4d-5	++	+	+	0.44	67	*
14d-1	+/-	++	+/-	0.51	88.7	
14d-2	+	++	+/-	0.6	87	*
14d-3	+	+	+/-	0.62	119	*
14d-6	+/-	+	+/-	0.42	92.16	
Control 0h	-	++	+/-	0.35		*

Note: Mice: sh = sham. LV/BW = Left ventricle weight / Body weight Index. P.G. = Pressure gradient between proximal and distal intra-aortic pressure. Phosho-STAT3, phosho-ERK1/2 and phosho-p38 were detected using specific antibodies (New England Biolabs Inc. ,Beverly, Massachusetts, USA). ‘-’ = no signal, ‘+/-’ = slightly detectable signal, ‘+’ = detectable signal, ‘*’ = mouse selected for DNA chip experiment.