Supplementary Table 1A. Genes involved in the inflammatory/immune defense response of mice whose absolute difference exceeds 1.5-fold but with P > 0.05.

Name	Symbol	X	P
CD276 antigen (Cd276)	Cd276	1.58	0.053
Chemokine (C-C motif) ligand 17	Ccl17	1.67	0.061
Chemokine (C-C motif) ligand 5	Ccl5	1.63	0.172
Chemokine (C-C motif) ligand 6	Ccl6	3.29	0.085
Chemokine (C-C motif) receptor 2	Ccr2	1.81	0.100
Chemokine (C-C motif) receptor-like 1	Ccrl1	2.28	0.134
Chemokine (C-X3-C motif) ligand 1	Cx3cl1	1.67	0.133
Chemokine (C-X-C motif) ligand 12, transcript variant 1	Cxcl12	-1.93	0.196
Chemokine (C-X-C motif) ligand 16	Cxcl16	1.69	0.139
Chemokine (C-X-C motif) ligand 7	Cxcl7	3.31	0.144
Chemokine-like factor superfamily 2A	Cklfsf2a	-1.72	0.238
Cytokine receptor-like factor 1	Crlf1	1.77	0.135
Duffy blood group	Dfy	2.16	0.062
Fas (TNF receptor superfamily member)	Fas	2.13	0.056
Interferon gamma inducible protein 47	Ifi47	1.53	0.179
Interferon induced 203 protein	Ifi203	1.92	0.096
Interferon induced transmembrane protein 1	Ifitm1	1.77	0.146
Interferon regulatory factor 1	Irf1	1.54	0.128
Interferon-related developmental regulator 1	Ifrd1	1.83	0.106
Interleukin 1 beta	Il1b	2.07	0.127
Interleukin 1 receptor accessory protein, transcript variant 1	Il1rap	1.97	0.067
Interleukin 10 receptor, alpha	Il10ra	1.64	0.083
Interleukin 15 receptor, alpha chain, transcript variant 1	Il15ra	1.73	0.102
Interleukin 17 receptor	Il17r	1.99	0.059
Interleukin 17 receptor B	Il17rb	2.01	0.064
Interleukin 17 receptor E	Il17re	3.53	0.224
Interleukin 17E	Il17e	-1.85	0.354
Interleukin 17F	Il17f	-1.50	0.428
Interleukin 18 receptor 1	Il18r1	2.31	0.097
Interleukin 2 receptor, alpha chain	Il2ra	1.82	0.134
Interleukin 31	Il31	1.58	0.179
Interleukin 4 receptor, alpha, transcript variant 2	Il4ra	2.15	0.066
Lymphocyte antigen 86	Ly86	1.56	0.092
Peroxisome proliferator activated receptor gamma	Pparg	2.06	0.143
Replication initiator 1	Repin1	1.72	0.095
Toll-like receptor 3	Tlr3	1.79	0.052
Tumor necrosis factor (ligand) superfamily, member 13	Tnfsf13	1.94	0.074
Tumor necrosis factor (ligand) superfamily, member 15	Tnfsf15	-1.56	0.348
Tumor necrosis factor receptor superfamily, member 23	Tnfrsf23	1.57	0.137
Tumor necrosis factor, alpha-induced protein 2	Tnfaip2	1.60	0.052
Tumor necrosis factor, alpha-induced protein 8-like 2	Tnfaip8l2	1.86	0.140
Uveal autoantigen with coiled-coil domains and ankyrin repeats	Uaca	1.58	0.074

X = fold difference (negative values indicate down-regulation of the transcript). The Student heteroscedastic *t*-test was used for the comparison of myocardial infarction with control.

Supplementary Table 1B. Non-regulated genes involved in the inflammatory/immune defense response of mice.

Name	Symbol	X	P	Name	Symbol	X	P
Allograft inflammatory factor 1	Aif1	1.36	0.152	Interferon, alpha-inducible protein	G1p2	-1.17	0.518
Arachidonate 5-lipoxygenase	Alox5	1.28	0.494	Interferon, alpha-inducible protein 27	Ifi27	-1.07	0.750
Attractin	Atrn	-1.11	0.475	Interferon-activatable protein 203	N/A	1.08	0.715
CD180antigen	Cd180	1.18	0.252	Interferon-induced protein 44	Ifi44	-1.21	0.431
Chemokine ligand 12	Ccl12	-1.07	0.803	Interferon-induced protein with tetratricopeptide repeats 1	Ifit1	1.04	0.868
Chemokine ligand 2	Ccl2	1.03	0.882	Interferon-induced protein with tetratricopeptide repeats 2	Ifit2	1.28	0.332
Chemokine ligand 22	Ccl22	-1.13	0.715	Interferon-induced protein with tetratricopeptide repeats 3	Ifit3	-1.02	0.862
Chemokine ligand 24	Ccl24	1.09	0.678	Interferon-lambda2	Ifnl2	-1.46	0.047
Chemokine ligand 25	Ccl25	1.25	0.126	Interferon-related developmental regulator 2	Ifrd2	1.21	0.312
Chemokine ligand 3	Ccl3	1.03	0.959	Interleukin 1 receptor-like 1, transcript variant 1	Il1rl1	1.30	0.329
Chemokine receptor 5	Ccr5	1.31	0.163	Interleukin 10	Il10	1.18	0.720
Chemokine receptor-like 2	Ccrl2	1.10	0.639	Interleukin 10 receptor, beta	Il10rb	1.34	0.211
Chemokine ligand 1	Cxcl1	1.42	0.282	Interleukin 12b	Il12b	1.24	0.507
Chemokine ligand 4	Cxcl4	1.30	0.252	Interleukin 15	Il15	1.23	0.239
Chemokine ligand 9	Cxcl9	1.00	0.990	Interleukin 16	Il16	1.49	0.048
Chemokine receptor 4	Cxcr4	1.49	0.079	Interleukin 17	Il17	1.14	0.720
Chemokine receptor 6	Cxcr6	-1.42	0.407	Interleukin 17 receptor c	Il17rc	1.50	0.015
Chemokine binding protein 2	Ccbp2	1.29	0.272	Interleukin 17 receptor d	Il17rd	1.13	0.704
Chemokine-like factor 5, complete cds	CKLF5	1.02	0.915	Interleukin 17d	Il17d	1.02	0.851
Chemokine-like factor superfamily 2B	Cklfsf2b	1.31	0.170	Interleukin 18	Il18	1.46	0.124
Chemokine-like factor superfamily 3	Cklfsf3	1.31	0.066	Interleukin 18 binding protein	Il18bp	1.36	0.171
Chemokine-like factor superfamily 4	Cklfsf4	1.22	0.292	Interleukin 21	N/A	1.28	0.391
Chemokine-like factor superfamily 5	Cklfsf5	-1.28	0.577	Interleukin 21 receptor	Il21r	1.20	0.549
Chemokine-like factor superfamily 6	Cklfsf6	1.49	0.072	Interleukin 4 induced 1	Il4i1	-1.45	0.217
Chemokine-like factor superfamily 7	Cklfsf7	1.19	0.018	Interleukin 6 receptor, alpha	Il6ra	1.46	0.220
Chemokine-like factor superfamily 8	Cklfsf8	-1.01	0.924	Interleukin 7	Il7	1.29	0.174
Chemokine-like factor, transcript variant 1	Cklf	1.22	0.305	Interleukin 7 receptor	Il7r	-1.50	0.724
Chitinase 3-like 4	Chi3l4	1.06	0.808	Interleukin enhancer binding factor 3	Ilf3	1.36	0.134
Cytokine induced apoptosis inhibitor 1	Ciapin1	1.25	0.231	Interleukin-1 receptor associated kinase 1 splice form 1	Irak1	1.37	0.055
Cytokine inducible SH2-containing protein	Cish	-1.02	0.921	Interleukin-1 receptor-associated kinase 1 binding protein 1	Iraklbp1	1.06	0.830
Cytokine-like 1	Cyt1	1.37	0.039	Myeloid differentiation primary response gene 88	Myd88	-1.01	0.916
Cytokine receptor-like factor 3	Crlf3	1.21	0.521	Pyd and card domain containing	Pycard	-1.04	0.806
Endothelial differentiation, sphingolipid G-protein-coupled receptor, 3	Edg3	1.49	0.175	Regenerating islet-derived 3 gamma	Reg3g	1.33	0.299
Hemolytic complement	Hc	1.14	0.558	Signal transducer and activator of transcription 5b	Stat5b	1.21	0.385
Interferon receptor 2	Ifnar2	1.20	0.347	Tachykinin 1	Tac1	1.08	0.839
Interferon-activated gene 203	Ifi203	1.17	0.195	Toll-like receptor 1	Tlr1	-1.31	0.316
Interferon alpha responsive gene	Ifrg15	1.25	0.487	Toll-like receptor 9	Tlr9	1.32	0.096
Interferon-dependent positive acting transcription factor 3 gamma	Isgf3g	-1.22	0.821	Transforming growth factor, beta 1	Tgfb1	1.35	0.062
Interferon gamma-induced gtpase	Igtp	1.20	0.292	Tumor necrosis factor superfamily, member 12	Tnfsf12	1.43	0.099
Interferon gamma-inducible protein 30	Ifi30	1.18	0.517	Tumor necrosis factor superfamily, member 13b	Tnfsf13b	1.32	0.385
Interferon-induced transmembrane protein 2	Ifitm2	1.29	0.051	Tumor necrosis factor superfamily, member 9	Tnfsf9	1.38	0.353
Interferon-induced transmembrane protein 3	Ifitm3	-1.12	0.301	Tumor necrosis factor receptor superfamily, member 19	Tnfrsf19	1.24	0.191
Interferon-inducible gtpase 2	Iigp2	1.32	0.123	Tumor necrosis factor receptor superfamily, member 21	Tnfrsf21	1.29	0.392
Interferon-inducible gtpase family member *5*	Iigp5	-1.02	0.936	Tumor necrosis factor receptor superfamily, member 4	Tnfrsf4	1.02	0.914
Interferon regulatory factor 2	Irf2	1.31	0.219	Tumor necrosis factor receptor superfamily, member 5	Tnfrsf5	1.28	0.035
Interferon regulatory factor 2 binding protein 1	Irf2bp1	1.01	0.956	Tumor necrosis factor receptor superfamily, member 9	Tnfrsf9	-1.11	0.724
Interferon regulatory factor 2 binding protein 2	Irf2bp2	1.12	0.682	Tumor necrosis factor superfamily, member 5-induced protein 1	Tnfsf5ip1	1.26	0.155
Interferon regulatory factor 5	Irf5	1.35	0.194	Tumor necrosis factor, alpha-induced protein 1	Tnfaip1	1.31	0.037
Interferon regulatory factor 6, transcript variant 1	Irf6	-1.14	0.732	Tumor necrosis factor, alpha-induced protein 3	Tnfaip3	1.43	0.152
Interferon regulatory factor 7	Irf7	-1.03	0.875	Tumor necrosis factor, alpha-induced protein 8	Tnfaip8	1.19	0.197
Interferon stimulated exonuclease gene 20-like 1	Isg20l1	1.22	0.414	Tumor necrosis factor, alpha-induced protein 8-like 1	Tnfaip8l1	1.19	0.409

X = fold difference (negative values indicate down-regulation of the transcript). The Student heteroscedastic *t*-test was used for the comparison of heart failure with control.