

Systematic Name	fold change	<i>p</i> -value	corr. <i>p</i> -value (BH)
mmu-miR-29a	63.23	$3.90 \times 10^{-5}$	$1.12 \times 10^{-3}$
mmu-miR-29b	48.62	$1.16 \times 10^{-5}$	$8.67 \times 10^{-4}$
mmu-miR-29c	21.48	$6.23 \times 10^{-5}$	$1.52 \times 10^{-3}$
mmu-miR-378	16.71	$4.09 \times 10^{-4}$	$3.16 \times 10^{-3}$
mmu-miR-195	10.65	$1.55 \times 10^{-4}$	$2.13 \times 10^{-3}$
mmu-miR-497	9.73	$2.49 \times 10^{-4}$	$2.49 \times 10^{-3}$
mmu-miR-101a	7.06	$1.77 \times 10^{-4}$	$2.13 \times 10^{-3}$
mmu-miR-22	6.24	$5.17 \times 10^{-4}$	$3.23 \times 10^{-3}$
mmu-miR-1	6.08	$2.54 \times 10^{-3}$	$7.11 \times 10^{-3}$
mmu-miR-133a	5.91	$3.54 \times 10^{-3}$	$8.86 \times 10^{-3}$
mmu-miR-34a	5.52	$1.37 \times 10^{-5}$	$8.67 \times 10^{-4}$
mmu-miR-30e*	5.47	$7.38 \times 10^{-4}$	$3.76 \times 10^{-3}$
mmu-miR-30e	5.37	$3.98 \times 10^{-4}$	$3.16 \times 10^{-3}$
mmu-miR-193	5.14	$2.78 \times 10^{-3}$	$7.32 \times 10^{-3}$
mmu-miR-142-5p	5.04	$1.85 \times 10^{-4}$	$2.13 \times 10^{-3}$
mmu-miR-23b	4.99	$1.45 \times 10^{-4}$	$2.13 \times 10^{-3}$
mmu-miR-133b	4.91	$3.78 \times 10^{-3}$	$9.32 \times 10^{-3}$
mmu-let-7b	4.71	$8.63 \times 10^{-4}$	$3.84 \times 10^{-3}$
mmu-miR-23a	4.68	$8.27 \times 10^{-4}$	$3.84 \times 10^{-3}$
mmu-miR-30c	4.66	$7.79 \times 10^{-4}$	$3.84 \times 10^{-3}$
mmu-miR-30b	4.49	$6.14 \times 10^{-4}$	$3.46 \times 10^{-3}$
mmu-let-7c	4.36	$8.32 \times 10^{-4}$	$3.84 \times 10^{-3}$
mmu-miR-24-2*	4.31	$3.62 \times 10^{-4}$	$3.01 \times 10^{-3}$
mmu-miR-142-3p	4.22	$1.70 \times 10^{-4}$	$2.13 \times 10^{-3}$
mmu-miR-145	4.18	$1.81 \times 10^{-3}$	$6.14 \times 10^{-3}$
mmu-miR-486	4.17	$8.62 \times 10^{-4}$	$3.84 \times 10^{-3}$
mmu-miR-15a	4.16	$8.74 \times 10^{-4}$	$3.84 \times 10^{-3}$
mmu-miR-24	4.15	$4.64 \times 10^{-4}$	$3.19 \times 10^{-3}$
mmu-miR-144	4.05	$1.07 \times 10^{-3}$	$4.44 \times 10^{-3}$
mmu-miR-30a*	3.99	$9.90 \times 10^{-4}$	$4.23 \times 10^{-3}$
mmu-miR-27b	3.92	$6.63 \times 10^{-4}$	$3.55 \times 10^{-3}$
mmu-miR-143	3.92	$3.44 \times 10^{-3}$	$8.76 \times 10^{-3}$
mmu-miR-126-3p	3.81	$1.90 \times 10^{-3}$	$6.19 \times 10^{-3}$
mmu-miR-27a	3.70	$1.14 \times 10^{-3}$	$4.61 \times 10^{-3}$
mmu-miR-100	3.66	$1.53 \times 10^{-3}$	$5.56 \times 10^{-3}$
mmu-miR-101b	3.62	$4.43 \times 10^{-4}$	$3.16 \times 10^{-3}$
mmu-miR-30a	3.60	$1.12 \times 10^{-3}$	$4.59 \times 10^{-3}$
mmu-miR-30d	3.58	$4.85 \times 10^{-4}$	$3.19 \times 10^{-3}$
mcmv-miR-m88-1	3.43	$1.24 \times 10^{-3}$	$4.83 \times 10^{-3}$
mmu-let-7g	3.30	$2.39 \times 10^{-3}$	$6.98 \times 10^{-3}$
mmu-miR-126-5p	3.18	$1.96 \times 10^{-3}$	$6.19 \times 10^{-3}$
mmu-miR-223	3.03	$1.95 \times 10^{-3}$	$6.19 \times 10^{-3}$
mmu-miR-99a	3.02	$5.29 \times 10^{-4}$	$3.23 \times 10^{-3}$
mmu-let-7f	3.02	$2.24 \times 10^{-3}$	$6.75 \times 10^{-3}$
mmu-let-7a	2.97	$2.66 \times 10^{-3}$	$7.19 \times 10^{-3}$
mmu-miR-151-5p	2.88	$2.59 \times 10^{-3}$	$7.18 \times 10^{-3}$
mmu-miR-720	2.88	$2.28 \times 10^{-3}$	$6.79 \times 10^{-3}$
mmu-miR-26b	2.88	$3.08 \times 10^{-3}$	$7.98 \times 10^{-3}$
mmu-miR-26a	2.85	$2.66 \times 10^{-3}$	$7.19 \times 10^{-3}$
mmu-miR-125b-5p	2.80	$1.53 \times 10^{-3}$	$5.56 \times 10^{-3}$
mmu-miR-125a-3p	2.32	$2.42 \times 10^{-3}$	$7.00 \times 10^{-3}$
mmu-miR-1897-5p	2.14	$1.63 \times 10^{-4}$	$2.13 \times 10^{-3}$
mmu-miR-1895	2.09	$1.36 \times 10^{-4}$	$2.13 \times 10^{-3}$
mmu-miR-221	2.07	$2.31 \times 10^{-4}$	$2.43 \times 10^{-3}$

**Table S2:** microRNAs with significantly higher expression in aortic samples from six-week old mice. Data analysis was performed as in Tab. S1. There were 54 microRNAs with BH-corrected values  $p < 0.01$ , foldchange  $> 2$ , and normalized mean intensity  $> -1$ . An additional 17 microRNAs were significant at  $p < 0.05$ .