

Centenarians, but not octogenarians, up-regulate the expression of microRNAs

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TABLE S-1

Table 1. Fold-change, standard deviation and statistical significance for small non-coding RNAs differentially expressed between centenarians (C), octogenarians (O) and young people (Y). miRNAs have been selected by using a fold change of 1,8 or higher and a statistical significance of P value < 0.05.

C vs Y Probeset ID	P-value	Fold Change
U91_s_st (SCARNA17)	0.00001	1.94
hsa-miR-4281_st	0.00349	2.41
hsa-miR-21_st	0.00535	2.64
hsa-miR-1975_st	0.01328	2.13
hsa-miR-130a_st	0.01380	2.68
hsa-miR-494_st	0.03200	2.15
hsa-miR-1979_st	0.04002	1.92

O vs Y Probeset ID	P-value	Fold Change
hsa-miR-1281_st	0.01957	2.03
U44_st	0.01301	-1.82
HBII-289_st	0.03719	-1.83
hsa-miR-31_st	0.00389	-1.85
U78_s_st	0.01526	-1.85

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HBII-429_st	0.03279	-1.86
U25_st	0.00420	-1.88
U55_st	0.01688	-1.91
U83_st	0.01961	-1.95
U57_st	0.01109	-1.99
U74_x_st	0.00153	-2.11
spike_in-control-2_st	0.02321	-2.11
HBII-202_st	0.02720	-2.12
hsa-miR-320d_st	0.01705	-2.17
hsa-miR-378_st	0.01016	-2.21
U29_st	0.01815	-2.31
hsa-miR-16_st	0.04876	-2.33
hsa-miR-20b_st	0.02249	-2.36
spike_in-control-23_st	0.01153	-2.37
hsa-let-7a_st	0.03653	-2.44
spike_in-control-29_st	0.00851	-2.47
hsa-let-7b_st	0.02206	-2.60
hsa-miR-181b_st	0.00448	-2.67
hsa-miR-185_st	0.04110	-2.71
hsa-miR-1826_st	0.04519	-2.71
hsa-miR-103_st	0.01604	-2.79
U43_st	0.02988	-2.85
hsa-miR-191_st	0.01343	-2.86
hsa-miR-155_st	0.01089	-2.87
hsa-miR-26a_st	0.01657	-2.88
hsa-let-7g_st	0.03372	-2.89

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hsa-miR-320a_st	0.01487	-2.90
hsa-miR-223_st	0.01029	-3.01
hsa-miR-150_st	0.02339	-3.03
hsa-miR-107_st	0.01893	-3.03
hsa-miR-20a_st	0.01673	-3.23
hsa-miR-361-5p_st	0.00997	-3.25
hsa-miR-92a_st	0.02280	-3.38
hsa-miR-30c_st	0.01408	-3.45
hsa-miR-320b_st	0.00479	-3.48
hsa-miR-320c_st	0.00608	-3.50
hsa-miR-140-3p_st	0.02305	-3.53
hsa-miR-181a_st	0.01769	-3.59
hsa-miR-106b_st	0.00553	-3.69
hsa-miR-222_st	0.01494	-3.83
hsa-miR-93_st	0.00558	-3.89
hsa-miR-27a_st	0.01817	-3.92
hsa-miR-17_st	0.00712	-3.93
hsa-miR-342-3p_st	0.00489	-4.05
hsa-miR-19b_st	0.00685	-4.16
hsa-miR-106a_st	0.00304	-4.32

C vs O Probeset ID	P-value	Fold Change
hsa-miR-27a_st	0.00062	7.15
hsa-miR-19b_st	0.00024	6.86
v11_hsa-miR-768-3p_st	0.00013	6.56
hsa-miR-222_st	0.00119	5.83
hsa-miR-17_st	0.00059	5.60
hsa-miR-106b_st	0.00023	5.58
hsa-let-7i_st	0.00054	5.52
hsa-miR-320c_st	0.00024	5.28
hsa-miR-29a_st	0.00080	5.23
hsa-miR-221_st	0.00243	5.13
hsa-miR-320b_st	0.00024	5.00
hsa-let-7g_st	0.00120	4.99
hsa-miR-106a_st	0.00087	4.97
hsa-miR-140-3p_st	0.00342	4.91
hsa-miR-185_st	0.00140	4.70
hsa-miR-361-5p_st	0.00064	4.69
hsa-miR-155_st	0.00021	4.65
hsa-miR-146a_st	0.00219	4.59
hsa-miR-1975_st	0.00094	4.52
hsa-miR-20a_st	0.00206	4.40
hsa-miR-92a_st	0.00508	4.32
hsa-miR-93_st	0.00219	4.30
hsa-miR-150_st	0.00262	4.25
hsa-miR-22_st	0.00104	4.17
hsa-miR-342-3p_st	0.00334	4.10

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hsa-miR-320a_st	0.00113	4.08
hsa-miR-30c_st	0.00441	4.05
hsa-miR-425_st	0.00403	4.04
hsa-miR-181a_st	0.00763	4.03
hsa-miR-23b_st	0.00695	3.97
hsa-let-7f_st	0.00262	3.74
U43_st	0.00564	3.68
v11_hsa-miR-768-5p_st	0.01089	3.67
hsa-miR-107_st	0.00562	3.58
hsa-miR-191_st	0.00232	3.56
hsa-let-7a_st	0.00260	3.55
hsa-let-7d_st	0.01102	3.51
hsa-miR-103_st	0.00270	3.49
hsa-miR-24_st	0.00220	3.44
hsa-miR-21_st	0.00062	3.42
hsa-miR-20b_st	0.00109	3.38
hsa-let-7b_st	0.00289	3.38
hsa-miR-26a_st	0.00477	3.37
hsa-miR-126_st	0.01133	3.33
hsa-miR-130a_st	0.00324	3.29
U29_st	0.00076	3.26
hsa-miR-1826_st	0.01513	3.24
hsa-miR-223_st	0.00594	3.14
hsa-miR-16_st	0.00795	3.05
HBII-142_st	0.00008	3.05
hsa-miR-18a_st	0.00224	3.03

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spike_in-control-29_st	0.00109	3.02
hsa-let-7c_st	0.01630	2.98
hsa-miR-15b_st	0.03381	2.96
hsa-miR-23a_st	0.01518	2.95
HBII-289_st	0.00026	2.92
U30_st	0.00003	2.90
hsa-miR-151-5p_st	0.04137	2.83
spike_in-control-23_st	0.00206	2.80
U95_x_st	0.00462	2.71
hsa-miR-320d_st	0.00182	2.71
hsa-miR-378_st	0.00121	2.67
hsa-miR-181b_st	0.00363	2.63
hsa-miR-25_st	0.00245	2.60
U43_x_st	0.01925	2.59
spike_in-control-2_st	0.00335	2.57
HBII-429_st	0.00136	2.52
HBII-142_x_st	0.00043	2.48
hsa-miR-30b_st	0.01866	2.43
HBII-85-6_x_st	0.00770	2.40
hsa-miR-423-3p_st	0.01480	2.39
HBII-202_st	0.00902	2.37
U95_st	0.00487	2.37
hsa-miR-15a_st	0.00901	2.37
U30_x_st	0.00146	2.35
hsa-miR-146b-5p_st	0.01062	2.32
hsa-miR-199b-3p_st	0.03436	2.31

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hsa-miR-199a-5p_st	0.04211	2.27
U55_st	0.00352	2.17
HBII-85-26_st	0.00997	2.11
HBII-55_st	0.00510	2.11
ACA44_s_st	0.00028	2.10
U73a_st	0.00401	2.10
hsa-miR-125a-5p_st	0.00935	2.10
hsa-miR-28-5p_st	0.00073	2.09
hsa-miR-151-3p_st	0.00952	2.08
hsa-miR-494_st	0.03493	2.07
U83_st	0.00994	2.04
hsa-miR-30e_st	0.00012	2.03
U44_x_st	0.03709	2.02
U52_st	0.00616	2.02
hsa-let-7e_st	0.02716	2.01
U34_st	0.00030	2.00
U57_st	0.00813	1.99
hsa-miR-1979_st	0.02721	1.97
U74_x_st	0.00264	1.97
hsa-miR-28-3p_st	0.00316	1.95
U25_st	0.00306	1.88
U33_st	0.00890	1.86
hsa-miR-130b_st	0.04090	1.85
U44_st	0.00931	1.83
snR39B_x_st	0.00071	1.80
hsa-miR-1281_st	0.02036	-1.97