

**TABLE S12:** Abundance of miRNAs in *msl3* mutant L3 larvae

	Genotype	Exp.	Average Ct <sup>a</sup>	Corrected amount <sup>b</sup>	Fold Difference (FD) <sup>c</sup>	log <sub>2</sub> (FD)	Average log <sub>2</sub> (FD)	SD <sup>d</sup>	p value <sup>e</sup>
Dspt4	msl3-/msl3+	1	25.9974	34.628	1.000	0.000			
		2	25.6265	92.801	1.000	0.000			
	msl3-/msl3-	1	24.8854	54.398					
		2	24.7720	132.066					
mir-283	msl3-/msl3+	1	26.9201	49.324	0.756	-0.403	-0.253	0.213	0.18885
		2	27.2713	98.504	0.932	-0.102			
	msl3-/msl3-	1	26.3534	58.590					
		2	26.1358	130.596					
mir-304	msl3-/msl3+	1	31.2445	57.627	0.356	-1.488	-1.475	0.019	0.03552
		2	31.5988	109.348	0.363	-1.462			
	msl3-/msl3-	1	32.5782	32.271					
		2	33.0699	56.492					
mir-12	msl3-/msl3+	1	22.7659	57.656	0.455	-1.136	-1.040	0.136	0.00881
		2	22.9153	134.505	0.520	-0.943			
	msl3-/msl3-	1	23.7208	41.214					
		2	23.9739	99.544					
mir-979	msl3-/msl3+	1	31.1498	1044.716	0.760	-0.396	-0.259	0.193	0.38647
		2	31.4659	927.357	0.918	-0.123			
	msl3-/msl3-	1	30.6831	1247.539					
		2	30.7420	1211.981					
mir-210	msl3-/msl3+	1	27.5383	185.744	1.197	0.259	0.065	0.275	0.38641
		2	27.5514	461.878	0.914	-0.129			
	msl3-/msl3-	1	26.4166	349.245					
		2	26.9873	600.996					
U6	msl3-/msl3+	1	17.1512	101.819	0.694	-0.526	-0.444	0.117	0.14280
		2	17.5728	194.135	0.778	-0.362			
	msl3-/msl3-	1	16.9733	111.054					
		2	17.2156	215.036					

a-e as in Table S11.