Supple. Table 3: (a) Significant miRNAs in developing cerebellum comparing their *non-coherent* targets with non- target control gene set using picTar target prediction

miRNA Name	Dev Status	Num and % of non-coherent genes	Log2 (P60/P7) of the miR	Ave. Log FC offset	P-val (a)	P-val (b)
miR-15	Late	152/55.88%	1.04388	0.033519	2.49E-05	6.56E-06
miR-103	Late	154/57.68%	1.604302	0.032488	5.38E-05	2.91E-06
miR-133	Late	68/50.75%	2.46536	0.045648	0.001881	0.048472
miR-139	Late	49/47.57%	0.628031	0.04054	0.005143	0.003694
miR-34a	Late	77/48.73%	3.595011	0.037374	0.006268	0.0473
miR-204	Late	63/47.01%	4.125559	0.021657	0.007438	0.025169
miR-128	Late	120/51.28%	2.768346	0.023364	0.010097	0.005491
miR-152	Late	92/58.60%	1.617594	0.02482	0.01207	0.002477
miR-30b	Late	100/45.05%	5.209189	0.02428	0.014392	0.001471
miR-218	Late	100/56.50%	4.616292	0.018837	0.030385	0.008872
miR-206	Late	104/48.37%	1.479038	0.037287	0.03441	0.001291
miR-9	Late	157/53.04%	1.509503	0.018775	0.036143	0.006808
miR-124a	Late	127/43.79%	1.56764	0.020822	0.043852	0.002916

(b) Significant miRNAs in developing cerebellum for their *coherent* targets using picTar target prediction

miRNA Name	Dev Status	Num and % of coherent genes	Log2 (P60/P7) of the miR	Ave. Log FC offset	P-val (a)	P-val (b)
miR-19a	Early	131/52.19%	-2.48543	0.031998	1.14E-05	8.36E-10
miR-106	Early	135/55.79%	-3.92851	0.032893	2.34E-05	6.78E-08
miR-93	Early	136/51.32%	-3.27162	0.030942	0.000133	7.69E-09
miR-144	Early	98/47.57%	-1.41504	0.030625	0.001148	0.025833
miR-130	Early	120/57.97%	-1.65573	0.021509	0.002914	0.00288
miR-153	Early	72/49.32%	-0.61005	0.040856	0.005503	0.003133
miR-181a	Early	86/48.04%	-0.24233	0.027922	0.005632	1.62E-09
miR-184	Early	5/50%	-0.45943	0.12286	0.006003	0.005582
miR-33	Early	43/56.58%	-0.96829	0.046944	0.012599	0.000676