

**Supple. Table 8: Significant GO terms in developing cerebellum comparing targets with non-target control set (PITA target prediction is used)**

		Gene Ontological term	p	off set value of logFC from control sets	# of miRNAs	
Non-coherent terms	sort by multiplicity of miRs	'transmission of nerve impulse'	0.00196	0.15073452	13	mir-125,-128,-137,-139,-140,-146,-218,-27b,-22,-133,-223,-152,-9
		'synaptic transmission'	0.00206	0.16730586	12	mir-125,-128,-139,-140,-146,-218,-27b,-22,-133,-223,-152,-9
		'transport'	0.00043	0.0848964	12	mir-103,-128,-137,-140,-218,-23b,-27b,-101,-223,-15,-9,-138
		'synapse'	0.00145	0.20002359	11	mir-128,-140,-146,-218,-27b,-34,-22,-133,-206,-15,-152
		'cell junction'	0.00163	0.15601536	11	mir-128,-146,-218,-27b,-30b,-34,-22,-133,-206,-152,-9
	sort by p-vals	'binding'	3.3E-06	0.0455292	1	mir-218
		'cell'	7.6E-06	0.04341264	1	mir-218
		'phosphoprotein'	2.2E-05	0.05780538	1	mir-128
		'cell communication'	2.9E-05	0.06087646	3	mir-128,-139,-138
		'localization'	3E-05	0.08478973	8	mir-128,-140,-218,-23b,-101,-223,-15,-138
	sort by offset from non-targets	'membrane trafficking'	0.003	0.35049498	1	mir-27b
		'clathrin-coated vesicle'	0.00438	0.29631358	2	mir-27b,-133
		'microtubule associated complex'	0.00385	0.26621456	1	mir-26
		'cytoplasmic membrane-bound vesicle'	0.0045	0.28686995	3	mir-23b,-34,-133
		'coated vesicle'	0.00438	0.29631358	2	mir-27b,-133
Coherent terms	sort by multiplicity of miRs	'transport'	0.00195	0.1022341	6	mir-122a,-153,-219,-33,-144,-106
		'establishment of localization'	0.00089	0.09291339	6	mir-122a,-153,-219,-33,-144,-106
		'cytoplasmic vesicle'	0.01047	0.11882022	5	mir-153,-19,-93,-130,-106
		'cell junction'	0.01509	0.1605537	5	mir-122a,-153,-181,-19,-217
		'vesicle'	0.01115	0.10509763	4	mir-153,-19,-93,-106
	sort by p-vals	'binding'	1E-05	0.04122201	1	mir-106
		'cell'	5.5E-05	0.0421842	1	mir-106
		'plasma membrane'	2.6E-05	0.1128881	1	mir-153
		'intracellular organelle'	0.00032	0.04619471	1	mir-106
		'purine nucleotide binding'	0.00028	0.11273457	1	mir-219
	sort by offset from non-targets	'exocytosis'	0.00293	0.34902873	1	mir-153
		'regulation of transport'	0.00312	0.33001786	1	mir-153
		'secretory pathway'	0.00102	0.294373	1	mir-153
		'cytoplasmic membrane-bound vesicle'	0.00328	0.23523918	1	mir-153
		'secretion'	0.00021	0.25211073	1	mir-153

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