

Supplemental Table 5. Putative mRNA targets of mir-122a

miRNA	Intersections (1)	Gene Symbol	Gene Name	UGRepAcc (2)
mir-122a	M+P+T	ABR	In multiple clusters	
mir-122a	M+P+T	ALDOA	Aldolase A, fructose-bisphosphate	BC004333
mir-122a	P+T	APH1A	Anterior pharynx defective 1 homolog A (C. elegans)	BC068606
mir-122a	M+P+T	BACH2	BTB and CNC homology 1, basic leucine zipper transcription factor 2	AJ271878
mir-122a	M+P+T	BAI2	Brain-specific angiogenesis inhibitor 2	NM_001703
mir-122a	P+T	BCAT2	Branched chain aminotransferase 2, mitochondrial	AK023909
mir-122a	P+T	BCL2L2	BCL2-like 2	NM_004050
mir-122a	M+P+T	BHLHB3	Basic helix-loop-helix domain containing, class B, 3	AB044088
mir-122a	M+P+T	BRPF1	Bromodomain and PHD finger containing, 1	NM_001003694
mir-122a	P+T	CA10	Carbonic anhydrase X	CR936674
mir-122a	P+T	CALM3	Calmodulin 3 (phosphorylase kinase, delta)	AK094964
mir-122a	P+T	CCNG1	Cyclin G1	NM_004060
mir-122a	P+T	CD320	CD320 antigen	BC036814
mir-122a	M+P+T	CPEB1	Cytoplasmic polyadenylation element binding protein 1	BX649159
mir-122a	M+P+T	CS	In multiple clusters	
mir-122a	M+P	CSNK1G1	Casein kinase 1, gamma 1	NM_001011664
mir-122a	P+T	CTCF	CCCTC-binding factor (zinc finger protein)	NM_006565
mir-122a	P+T	DAND5	DAN domain family, member 5	BC025333
mir-122a	P+T	DDR2	Discoidin domain receptor family, member 2	BX537651
mir-122a	M+P+T	DICER1	Dicer1, Dcr-1 homolog (Drosophila)	NM_177438
mir-122a	M+P+T	DLG4	Discs, large homolog 4 (Drosophila)	NM_001365
mir-122a	P+T	DR1	Down-regulator of transcription 1, TBP-binding (negative cofactor 2)	NM_001938
mir-122a	M+P	DULLARD	Dullard homolog (Xenopus laevis)	BG913659
mir-122a	M+P+T	EIF2C1	Eukaryotic translation initiation factor 2C, 1	NM_012199
mir-122a	M+P	EPO	Erythropoietin	X02157
mir-122a	P+T	FOXP2	Forkhead box P2	AK131266
mir-122a	P+T	FUNDC2	FUN14 domain containing 2	AK091092
mir-122a	P+T	FUT8	Fucosyltransferase 8 (alpha (1,6) fucosyltransferase)	AJ536056
mir-122a	P+T	GIT1	G protein-coupled receptor kinase interactor 1	NM_014030
mir-122a	P+T	GNPDA2	Glucosamine-6-phosphate deaminase 2	AB209904
mir-122a	P+T	GPR172A	G protein-coupled receptor 172A	CR625605
mir-122a	P+T	GPR172B	In multiple clusters	
mir-122a	P+T	GPR3	G protein-coupled receptor 3	NM_005281
mir-122a	P+T	GYS1	Glycogen synthase 1 (muscle)	NM_002103
mir-122a	M+P+T	H1F0	H1 histone family, member 0	NM_005318
mir-122a	M+P+T	HAND2	Heart and neural crest derivatives expressed 2	AK122739
mir-122a	P+T	HDAC4	Histone deacetylase 4	NM_006037
mir-122a	P+T	HNRPU	Heterogeneous nuclear ribonucleoprotein U (scaffold attachment facto	NM_031844
mir-122a	P+T	IL1RN	Interleukin 1 receptor antagonist	BC068441
mir-122a	P+T	IQGAP1	IQ motif containing GTPase activating protein 1	NM_003870
mir-122a	P+T	KCNN3	Potassium intermediate/small conductance calcium-activated channel,	AJ251016
mir-122a	M+P+T	KHDRBS1	KH domain containing, RNA binding, signal transduction associated 1	BC010132
mir-122a	M+P+T	LAMC1	Laminin, gamma 1 (formerly LAMB2)	NM_002293
mir-122a	P+T	LRP10	Low density lipoprotein receptor-related protein 10	NM_014045
mir-122a	M+P+T	LRRC14	Leucine rich repeat containing 14	NM_014665
mir-122a	P+T	LUZP1	Leucine zipper protein 1	NM_033631
mir-122a	P+T	MAF1	MAF1 homolog (S. cerevisiae)	NM_032272
mir-122a	P+T	MAP3K3	Mitogen-activated protein kinase kinase kinase 3	NM_203351
mir-122a	P+T	MAPRE1	Microtubule-associated protein, RP/EB family, member 1	BC106068
mir-122a	M+P+T	MARK1	MAP/microtubule affinity-regulating kinase 1	NM_018650
mir-122a	M+P+T	MASP1	In multiple clusters	
mir-122a	M+P+T	MBNL1	Muscleblind-like (Drosophila)	NM_021038
mir-122a	T+M	MECP2	Methyl CpG binding protein 2 (Rett syndrome)	NM_004992
mir-122a	M+P	MEIS2	Meis1, myeloid ecotropic viral integration site 1 homolog 2 (mouse)	NM_170677
mir-122a	P+T	MINK1	Misshapen-like kinase 1 (zebrafish)	AB209450
mir-122a	P+T	MIPOL1	Mirror-image polydactyly 1	BX537396
mir-122a	P+T	MOSPD1	Motile sperm domain containing 1	BC005700
mir-122a	T+M	MSN	Moesin	BX647629
mir-122a	M+P+T	NFAT5	Nuclear factor of activated T-cells 5, tonicity-responsive	AF346509
mir-122a	M+P+T	NPEPPS	Aminopeptidase puromycin sensitive	AK127088
mir-122a	M+P+T	NTRK2	Neurotrophic tyrosine kinase, receptor, type 2	NM_001018065
mir-122a	T+M	ORC2L	Origin recognition complex, subunit 2-like (yeast)	NM_006190
mir-122a	M+P+T	P4HA1	Procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase)	BX648829
mir-122a	M+P+T	PAK3	P21 (CDKN1A)-activated kinase 3	AB209699
mir-122a	M+P+T	PAPOLA	Poly(A) polymerase alpha	NM_032632
mir-122a	P+T	PURB	Purine-rich element binding protein B	NM_033224
mir-122a	M+P+T	RAD21	RAD21 homolog (S. pombe)	NM_006265
mir-122a	P+T	ROD1	ROD1 regulator of differentiation 1 (S. pombe)	NM_005156
mir-122a	P+T	ROD1	ROD1 regulator of differentiation 1 (S. pombe)	NM_005156
mir-122a	P+T	SENP1	SUMO1/sentrin specific peptidase 1	BX640784
mir-122a	M+P+T	SLC1A5	Solute carrier family 1 (neutral amino acid transporter), member 5	U53347

mir-122a	M+P+T	SLC2A14	Solute carrier family 2 (facilitated glucose transporter), member 14	AY357941
mir-122a	M+P+T	SLC2A3	Solute carrier family 2 (facilitated glucose transporter), member 3	AB209607
mir-122a	P+T	SLC39A8	Solute carrier family 39 (zinc transporter), member 8	NM_022154
mir-122a	M+P+T	SLC4A3	Solute carrier family 4, anion exchanger, member 3	AY142112
mir-122a	P+T	SLC7A1	Solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	NM_003045
mir-122a	P+T	SLC9A6	Solute carrier family 9 (sodium/hydrogen exchanger), member 6	BC035029
mir-122a	P+T	SLCO5A1	Solute carrier organic anion transporter family, member 5A1	AK022760
mir-122a	M+P+T	SMARCD1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin	NM_003076
mir-122a	P+T	SMYD4	SET and MYND domain containing 4	NM_052928
mir-122a	T+M	SNX13	Sorting nexin 13	BC050289
mir-122a	M+P+T	SP2	Sp2 transcription factor	D28588
mir-122a	P+T	STK24	Serine/threonine kinase 24 (STE20 homolog, yeast)	BC035578
mir-122a	P+T	STX16	Syntaxin 16	NM_001001433
mir-122a	P+T	TBC1D10B	TBC1 domain family, member 10B	BC028737
mir-122a	P+T	TMEM28	Transmembrane protein 28	NM_015686
mir-122a	P+T	TMEM32	Transmembrane protein 32	NM_173470
mir-122a	M+P+T	TNRC6A	Trinucleotide repeat containing 6A	AY035864
mir-122a	M+P	UBAP2	Ubiquitin associated protein 2	AB209911
mir-122a	M+P+T	VAV3	Vav 3 oncogene	NM_006113
mir-122a	P+T	VGLL2	Vestigial like 2 (Drosophila)	NM_182645
mir-122a	P+T	WDR47	WD repeat domain 47	NM_014969
mir-122a	P+T	YPEL4	Yippee-like 4 (Drosophila)	AK124577
mir-122a	P+T	ZBTB4	Zinc finger and BTB domain containing 4	BC043352
mir-122a	M+P+T	ZDHHC7	Zinc finger, DHHC-type containing 7	AK000286

(1) M= Miranda; P=Pictar; T=Targetscan
(2) Genbank Accession Number