

Supplementary Table S1. Predicted targets for EBV v-miRNAs. For each miRNA, the list of tissues where it is expressed, the predicted targets, the number of site on each target's transcript and the GO term associated to the targets are shown. Tissues legend: AML: Acute myeloid leukemia, BCLL: B-Chronic lymphocytic leukemia, BL: Burkitt's lymphoma, ESC: Embryonic stem cells, GC: Gastric carcinoma, HD: Hodgkin's disease, L: Lymphoblasts, LAC: Lung's adenocarcinoma, LBCL: Large B-cell lymphoma, LU: Lung, MCL: Mantle cell lymphoma, M: Myeloblasts, NC: Nasopharyngeal carcinoma, PEL: Primary-effusion lymphoma, USSC: Unrestricted somatic stem cells.

v-miRNA	Tissues	Target	Sites	Target's GO terms
miR-BART1-5p	BCLL, BL, HG, MCL	APC	1	Negative Regulation of cyclin-dependent kinase activity
		CUL2	1	Cell cycle arrest
		TBRG1	1	Cell cycle arrest
miR-BART2	BCLL, BL, HG, MCL	CDKN2A	1	Negative Regulation of cyclin-dependent kinase activity
		CDKN2B	1	Cell cycle arrest
		CUL3	1	Pro-Apoptosis
miR-BART3-3p	BCLL, BL, HG, L, LBCL, MCL	CASP10	1	Pro-Apoptosis
miR-BART5	BCLL, BL, HG, MCL	AIFM2	1	Pro-Apoptosis
		DAPK1	1	Pro-Apoptosis
miR-BART6-5p	BCLL, BL, HG, LBCL, MCL	GAS7	1	Cell cycle arrest
miR-BART6-3p	BCLL, BL, HG, L, LBCL, MCL, NC	BAD	1	Pro-Apoptosis
miR-BART7	AML, BCLL, BL, ESC, GC, HG, LBCL, MCL, USSC	CASP6	1	Pro-Apoptosis
		CUL3	1	Pro-Apoptosis
		EIF4G2	1	Cell cycle arrest
		FOXO4	1	Cell cycle arrest
		RB1	1	Negative regulation of cell cycle
miR-BART8-3p	AML, BCLL, BL, HG, LBCL, MCL	APBB2	1	Cell cycle arrest
		EIF4G2	1	Cell cycle arrest
		FEM1B	1	Pro-Apoptosis
		GAS1	1	Cell cycle arrest
		SIPA1	1	Negative regulation of cell cycle
		TP53BP2	1	Negative regulation of cell cycle
miR-BART9	BCLL, BL, HG, MCL	RAD1	2	Cell cycle checkpoint
		RB1	1	Negative regulation of cell cycle
		APBB2	1	Cell cycle arrest
		STK3	1	Pro-Apoptosis
miR-BART10	BCLL, BL, GC, HG, MCL	CDKN2C	1	Cell cycle arrest
		CUL5	1	Cell cycle arrest
		ZAK	1	Cell cycle arrest
miR-BART11-5p	BCLL, BL, HG, L, NC	CASP3	1	Pro-Apoptosis
		CUL2	1	Cell cycle arrest
miR-BART11-3p	BCLL, BL, HG, L, MCL, NC	TP53	1	Regulation of cell cycle
miR-BART12	BCLL, BL, GC, NC, PEL	TP53	1	Regulation of cell cycle
		APBB2	1	Cell cycle arrest
miR-BART13	BCLL, BL, HG, L, MCL	APC	2	Negative Regulation of cyclin-dependent kinase activity
		CASP3	1	Pro-Apoptosis
		CDKN2B	1	Cell cycle arrest
		MAPK1	1	Pro-Apoptosis
miR-BART14-3p	BCLL, BL, HG, MCL	ABL1	1	Pro-Apoptosis
		BCL211	1	Pro-Apoptosis
		CDKN2D	1	Cell cycle arrest
		DIABLO1	1	Pro-Apoptosis
		PAWR	1	Pro-Apoptosis
		STK4	1	Pro-Apoptosis
miR-BART15	BCLL, BL, HG, MCL	CASP3	1	Pro-Apoptosis
		CUL3	1	Pro-Apoptosis
		CUL5	1	Cell cycle arrest
		DAPK1	1	Pro-Apoptosis
miR-BART16	BCLL, BL, HG, L, MCL	BID	1	Pro-Apoptosis
		CIDEB	1	Pro-Apoptosis

		DHCR24	1	Cell cycle arrest
miR-BART17-3p	BCLL, BL, MCL	BOK	1	Pro-Apoptosis
		TRAF3	1	Pro-Apoptosis
miR-BART18	BCLL, BL, HG, MCL	APC	1	Negative Regulation of cyclin-dependent kinase activity
		LTA	1	Pro-Apoptosis
miR-BART19	BL, HG, MCL	APBB2	2	Cell cycle arrest
		APC	1	Negative Regulation of cyclin-dependent kinase activity
		BTG4	1	Cell cycle arrest
		CDKN2C	1	Cell cycle arrest
		IFNW1	1	Cell cycle arrest
		MAPK1	1	Pro-Apoptosis
		MPHOSPH1	1	Cell cycle arrest
		NLRP1	1	Pro-Apoptosis
		STK4	2	Pro-Apoptosis
		TNFRSF25	1	Pro-Apoptosis
		ZAK	1	Cell cycle arrest
miR-BART20-3p	BCLL, BL, L	APC	1	Negative Regulation of cyclin-dependent kinase activity
		BAX	1	Pro-Apoptosis
		CDKN1B	1	Pro-Apoptosis
		DHCR24	1	Cell cycle arrest
		ERN1	1	Cell cycle arrest
		NDUFA13	1	Pro-Apoptosis
		RUNX3	1	Negative regulation of cell cycle
miR-BHRF1-1	BCLL, BL, HG, L, MCL	BCL211	1	Pro-Apoptosis
		BIK	1	Pro-Apoptosis
		CUL4A	2	Cell cycle arrest
		EI24	1	Pro-Apoptosis
		LATS2	1	Negative Regulation of cyclin-dependent kinase activity
		MAPK1	2	Pro-Apoptosis
		TRAF3	1	Pro-Apoptosis
miR-BHRF1-2	AML, BCLL, BL, ESC, HG, L, LBCL, M, MCL, LAC, LU, USSC	CUL1	1	Cell cycle arrest
		RAD1	1	Cell cycle checkpoint
miR-BHRF1-2*	-	APC	1	Negative Regulation of cyclin-dependent kinase activity
		BNIP3	1	Pro-Apoptosis
		CCNG2	1	Cell cycle checkpoint
		CUL1	1	Cell cycle arrest
		CUL3	1	Pro-Apoptosis
		DAXX	1	Pro-Apoptosis
		DEDD	1	Pro-Apoptosis
		DIABLO	1	Pro-Apoptosis
		ERN1	1	Cell cycle arrest
		FOXO3A	1	Pro-Apoptosis
		GAS1	2	Cell cycle arrest
		ING4	1	Cell cycle arrest
		RB1	2	Negative regulation of cell cycle
		STK4	1	Pro-Apoptosis
TSPYL2	1	Negative regulation of cell cycle		
miR-BHRF1-3	BCLL, BL, HG, L, LBCL, MCL	BID	1	Pro-Apoptosis