miRNA	Putative Targe	et miRNA	Putative Targ	et miRNA	Putative Targ	get miRNA	Putative Target	miRNA	Pubmed ID	Compartment	miRNA	Pubmed ID Compartment
Th1/Th17				Tregulatory				Th1/Th17			Tregulatory	
IR-19a-3p	ABCA1	miR-155-5p	MRPS27	miR-21-5p	ACBD5	miR-21-5p miR-21-5n	NCSTN	hsa-miR-19a-3p	19390056	pulmonary arterial endothelial cells (HPA	Cs hsa-miR-146a-5p	20110513 periodontal ligament (PDL)
iR-155-5p	APAF1	miR-155-5p	MYBL1	miR-21-5p	APAF1	mirR-146a	NFIX		20940405	tumor cell lines		18660546 breast and/or ovarian cance
IR-106a-5p	APP APEID1	miR-19a-3p	MYCN	miR-21-5p mirR-146a	APPL1 ASRGL1	mirR-146a mirR-146a	NFKB1 NMI		20299512	endothelial cells		18057241 EBV latency type III and type 20181935 microglial cells
iR-19a-3p	ARHGAP1	miR-155-5p	MYO1D	miR-21-5p	ATMIN	miR-21-5p	NUFIP2		21751348	lung cancer		
R-155-5p	ARID2	miR-155-5p	NARS NKY2-1	mirR-146a mirR-146a	ATOH8 ATRNL1	mirR-146a mirR-146a	OASL OLFML2A		18758459	Cerebellar Purkinje cells		20375304 pithelia and interstitial deno 18568019 megakaryocytes
iR-19a-3p	ARIH2	miR-155-5p	NOVA1	miR-21-5p miR-21-5p mir-21-5p mir-146a miR-21-5p	BASP1 BCL2	mirR-146a mirR-146a mirR-146a	P2RX7		20080637	neuroblastoma		
iR-155-5p	ARL15	miR-19a-3p	NPEPL1	miR-21-5p	BCL2 BLMH	mirR-146a	PA2G4 PBLD		19296935	blastocyst		19965651 T lymphocytes 20459811 CD4+ Tcells
iR-155-5p	ARMC2	miR-155-5p	PAK2	miR-21-5p	BMPR2 BRCA1	miR-21-5p miR-21-5p miR-21-6a	PDCD4 PDHA2		22952885	breast cancer cells		18504431 breast cancer cells 19333922 peripheral blood leukocytes 18174313 prostate cancer
R-155-5p	ARPC3 ATXN1	miR-106a-5p	PAK7	mirR-146a mirR-146a	BRCA1 BRCA2	miR-21-5p	PDHA2 PDIK1L		18728182	multiple myeloma		19333922 peripheral blood leukocytes
R-155-5p	BACH1	miR-155-5p	PBRM1	miR-21-5p	BTG2	mirR-146a	PDLIM3		19885849	embryonic stem cells		18381601 neurons
R-19a-3p	BCL2L11 RMPR2	miR-155-5p	PDCD4	mirR-146a mirR-146a	BTG2 C1orf21 CCBP2	mirR-146a miR-21-5p mirR-146a	PEU1 PEX11G	hsa-miR-106a-5n	18694959	B lymphocytes		18381601 neurons 20451497 STHdh(Q111)/Hdh(Q111) ce 18759964 peripheral blood mononucle
R-155-5p	BRIP1	miR-155-5p	PHF14	mirR-146a mirR-146a	CCL27 CCL8	mirR-146a	PLEKHA4	1158-1111K-1008-3p	17575136	T cells		23435376 gastric cancer cells 19190326 breast cancer cells 19596990 macrophages
R-155-5p	C16orf62	miR-155-5p	PICALM PKN2	mirR-146a mirR-146a	CCL8 CCNA2	mirR-146a miR-21-5p mirR-146a	PLOD3 POLE2		18212054 23438603	solid tumors		19190326 breast cancer cells
R-155-5p	CBR4	miR-155-5p	POLE3	mirR-146a mirR-146a	CCR9 CD40LG	miR-21-5p	PPM1L PRPF39		20643754	3-D tissue culture system		16885212 monocyte 20218812 Lymphoblast
	CCDC41	miR-19a-3p miR-106a-5p, miR-19a-3p	PRMTS PTEN	mirR-146a mirR-146a	CD40LG CD80	miR-21-5p miR-21-5p mirR-146a	PRPF39 PRR15		19307576	Raji cell line trabecular meshwork (HTM) cells	hsa-miR-150-5p	20218812 Lymphoblast 20067763 gastric cancer cells
R-155-5р, ппк-19а R-155-5р	CDC40	miR-155-5p	RAB11FIP2	mirR-146a mirR-146a	CD83 CD86	miR-21-5p miR-21-5p	PSRC1		19782699	gastric tissues	_	18667440 hematopoietic cells 23166298 macrophages
R-106a-5p	CDKN1A	miR-19a-3p miR-19a-3p	RAB13 RAB14	mirR-146a miR-21-5p	CD86 CDC25A	miR-21-5p miR-21-5p	PTEN PTPDC1		16461460 17589498	solid tumors		23166298 macrophages 18682393 cancer epithelial cells
R-155-5p	CSNK1A1	miR-19a-3p miR-155-5p	RAB14 RAPGEF2	miR-21-5p	CDK25A CDK2AP1	miR-21-5p	PTPRR		22912877	colorectal cancer		18682393 cancer epithelial cells 18320040 COS-7 fibroblast-like cells 23013135 esophageal squamous cell c
	CTGF	miR-106a-5p	RB1	miR-21-5p miR-21-5p	CDK2AP1 CDK6 CDKN3	miR-150 mirR-146a mirR-146a	PTPRR RAD54L		18320040	COS-7 fibroblast-like cells		23013135 esophageal squamous cell c
R-106a-5p R-155-5n	CYP19A1 DCUN1D2	miR-155-5p miR-155-5n	RBAK	mirR-146a mirR-146a	CDKN3	mirR-146a miR-21-5n	RAG1 RASGRP1	hsa-miR-155-5n	18521848 17588946	colon cancer cells	hsa-miR-21-5p	20371350 embryonic kidney (HEK) 293 18591254 breast cancer cells
	DET1	miR-106a-Sp	RUNX1	mirR-146a mirR-146a	CFH COL13A1	miR-21-5p miR-21-5p miR-21-5p miR-21-5p miR-21-5p	RASGRP1 RDH11		20584899	Mutu 1 cell line		18591254 breast cancer cells 19342589 epidermal stem cells
R-155-5p	DHX40	miR-155-5p	SDCBP SECISBR2	mirR-146a miR-21-5p	CXCR4 DERL1 ECI2	miR-21-5p	RECK REST		22858023	extravillous trophoblast HTR-8/SVneo cel	5	21826097 prostate cancer
R-106a-5p	E2F1	miR-155-5p	SLC33A1	miR-21-5p	ECI2	mirR-146a	RGS13		22785227	T cells		19578724 prostate cancer 19826040 colon cancer cells
I-155-5p	E2F2	miR-155-5p	SMAD2	mirR-146a, miR-21-5p	EGFR EGP2	mirR-146a mirR-146a miR-21-5p mirR-21-5p mirR-146a miR-21-5p miR-21-5p	RGS18		21036908	Macrophages		21328460 HaCaT cells 20048743 glioblastoma (GBM) cell line
R-19a-3p	ERBB4	miR-155-5p	SMARCA4	miR-21-5p	EIF2C2	miR-21-5p	RHOB RNF11		17881434	primary effusion lymphoma		20271612 AE40 lung cancor colle
	ESR1	miR-19a-3p	SOCS1	mirR-146a	ELL3 EPSTI1 FADD	mirR-146a	ROCK1		23209550	gastric mucosa-associated lymphoid tissu	е	18829576 glioblastoma cells 19398721 dendritic cells 19559015 glioblastoma
R-155-5p R-155-5p	FAM135A	miR-19a-3p miR-155-5p	TAB2	mirR-146a mirR-146a	FADD	miR-21-5p miR-21-5p	RTN4		18367535	breast cancer cells Epstein-Barr virus (EBV)-infected cells		19398721 dendritic cells 19559015 glioblastoma
	FAM177A1	miR-155-5p	TBC1D8B	mirR-146a miR-21-5p	FAF1	miR-21-5p	RUFY3		18668040	B cells		19302977 prostate cancer cells
R-155-5p R-155-5p	FAM91A1 GABARAPL1	miR-155-5p miR-155-5p	TBCA TCF12	miR-21-5p miR-21-5p	FAM102B FASLG	miR-21-5p mirR-146a miR-21-5p	RUFY3 SDCBP2 SERPINB5		17911264	pancreatic cancer cells monocyte-derived dendritic cells		19302977 prostate cancer cells 19435867 pancreatic cancer cells 21078976 colorectal cancer
R-155-5p	GATM	miR-106a-5p, miR-19a-3p	TGFBR2	mirR-146a miR-21-5p	FGGY	miR-21-5p	SGK3		18262046	primary vascular smooth muscle cell		18384814 promyelocytic cell line
R-155-5p R-155-5p	GOLT1B HAL	miR-19a-3p miR-155-5p	THBS1 TLE4	miR-21-5p mirR-146a	FYN GIMAP4	miR-21-5p miR-21-5p miR-21-5p	SLK SLPI		17668390 16675453	fibroblasts fibroblasts		18384814 promyelocytic cell line 23469214 HELF cells 19906824 leiomyoma
R-155-5p	HBP1	miR-155-5p	TM6SF1	miR-21-5p	GLCCI1 GNB4 GRPEL2	miR-21-5p miR-21-5p miR-146a	SMAD7 SMNDC1		19759154	fibroblasts		20483747 CD4+ T cells 19242418 embryonic stem cells 23313253 endothelial cells
R-155-5p R-106a-5n	HDAC4	miR-155-5p miR-155-5n	TOMM20 TP53INP1	miR-21-5p miR-21-5p	GNB4 GRPFL2	miR-21-5p mirR-146a	SMNDC1 SNAP25					19242418 embryonic stem cells 23313253 endothelial cells
R-155-5p	HIVEP2	miR-155-5p	TRAK1	miR-21-5p miR-21-5p	GXYLT2 HNRNPH1 HNRNPK	mirR-146a mirR-146a	SPATS2L					18270520 olid tumors
R-19a-3p R-106a-5n	HOXA5	miR-155-5p	TRIP13	miR-21-5p miR-21-5p	HNRNPH1	mirR-146a miR-21-5p	SPP1 SPRY1					23292313 diabetic kidneys
R-19a-3p	IMPDH1	miR-155-5p	UBQLN1	miR-21-5p mirR-146a	HS3ST3B1 HSPA1A	miR-21-5p miR-21-5p	SPRY2 STAG2					18270520 olid tumors 23292313 diabetic kidneys 18508928 cardiocytes 23206776 renal cancer 23442323 hepatoma cells
R-155-5p	INPP5F	miR-155-5p	UBTD2	mirR-146a mirR-146a	HSPA1A IFI44	miR-21-5p mirR-146a	STAG2 STAT1					23442323 hepatoma cells
I-155-5p	JARID2	miR-106a-5p	VEGFA	mirR-146a	IFI44L IFIT1	miR-21-5p mirR-146a	STAT3					19843843 bladder cancer 21544242 prostate cancer cell 19253296 breast cancer cells
l-19a-3p	KAT2B	miR-155-5p	VHL VPS18	mirR-146a mirR-146a	IFIT1 IFIT3	mirR-146a miR-21-5p	TBP TCF21					19253296 breast cancer cells 17363372 MCF-7 cells
I-155-5p	KIAA0430	miR-19a-3p	VPS18 VPS4B	mirR-146a	IFITM1	miR-21-5p miR-21-5p miR-21-5p	TGFBR2 TIAM1					17363372 MCF-7 cells 17478730 vascular wall 17072344 MCF-7 cells
1-155-5p	KLHL5	miR-155-5p	WBP1L	mirR-146a mirR-146a	IFITM3	miR-21-5p	TIAM1					17072344 MCF-7 cells
I-155-5p	KRCC1	miR-155-5p miR-155-5p	WHSC1L1	mirR-146a mirR-146a mirR-146a	IL8 IRAK1	mirR-146a miR-21-5p mirR-146a	TIMELESS TIMP3 TLR2					19816956 mesenchymal stem cells 18794849 gastric cancer 21069438 colorectal cancer
1-155-5p	LCORL	miR-155-5p miR-155-5p	WWC1 ZKSCAN5	mirR-146a		mirR-146a	TLR2					21069438 colorectal cancer
I-155-5p	LRRC59	miR-155-5p	ZNF254	mirR-146a mirR-146a	IRF5 ISG15	miR-21-5p miR-21-5p miR-21-5p	TM9SF3 TMEM245					19836969 colon cancer cells 19672202 postauricular skin 19276261 esophageal squamous cell c
R-155-5p	MASTL	miR-155-5p	ZNF273	mirR-146a	ITGBL1	mirR-146a	TMSB15A					19276261 esophageal squamous cell c
k-155-5p R-19a-3p	MCM8 MECP2	miR-155-5p miR-155-5p	ZNF28 ZNF561	miR-21-5p mirR-146a	JAG1 KIF22 KLF9	mirR-146a miR-21-5p miR-21-5p	TMTC2 TNFRSF11B					19419954 glioma cells 19133651 hepatocellular carcinoma 18850008 solid tumors
	MED13L	miR-155-5p	ZNF611	miR-21-5p	KLF9	miR-21-5p	TNFRSF11B TP53					18850008 solid tumors
I-155-5p I-155-5p	MPP5 MRPL18	miR-155-5p miR-155-5p	ZNF652 ZNF83	mirR-146a miR-21-5p	LMO2 LRRFIP1 LTB	miR-21-5p mirR-146a	TPM1 TRAF6					19682430 HeLa cervical carcinoma cel 17968323 colorectal cancer 17991735 breast cancer cells
				mirR-146a	LTB	mirR-146a	TRIM14					17991735 breast cancer cells
				miR-21-5p miR-21-5p	MARCKS MBNL1 MCM10	mirR-146a miR-150, miR-21-	TRIM22 5p VEGFA					18372920 breast cancer cells
				mirR-146a	MCM10	mirR-146a	VWCE					16966691 4 pancreatic primary tumor 11829576 glioblastoma cells
				mirR-146a	MCPH1 METTL7A MMP9	mirR-146a miR-21-5p miR-21-5p	WASF2					19546886 laryngeal carcinoma tissues
				miR-14ba miR-21-5p	MMP9	miR-21-5p	WFS1 WIBG					
				miR-21-5p	MORC3 MR1	miR-21-5p miR-21-5p	WNT1					
				miR-146a miR-150	MR1 MS4A3	miR-21-5p miR-21-5p	WWC2 XKR3					
				miR-21-5p	MSH2	miR-21-5p	YOD1					
				mirR-146a miR-150	MTUS2 MYB	miR-21-5p mirR-146a	YTHDC2 ZBTB32					
				miR-150	MYD88	miR-150	ZEB1					
				miR-21-5p	NCAPG	miR-21-5p	ZNF35					

Supplementary Table I. EV-associated miRNA gene targets
Left. List of the 142 mRNAs that are validated targets of Th1/Th17-derived EV miRNAs and the 172 mRNAs that are validated targets of Treg-derived EV miRNAs (miRSearch v3.0 web tool, Exiqon). Right. List of PUBMED references and the biological models used for the experimental evidence supporting the interaction between miRNA and listed validated mRNA targets.