

miRNA	p53's link	characterization of the interaction			reference		
		target gene	nature of the targeting	model	authors	date of publication	Journal
miR-125b	conflicting data: activator of p53's expression & repressor of p53's expression	Bcl-3	direct 3'UTR	Ovarian cancer	Guam et al.,	2011	Int J Cancer
		CBFβ	direct 3'UTR	Mesenchymal stem cells	Huang et al.,	2014	Biochimie
		C-Jun	direct 3'UTR	Melanoma	Kappelmann et al.,	2013	Oncogene
		EBF1	direct 3'UTR	Breast cancer	Scott et al.,	2007	J Biol Chem
		ERBB2	direct 3'UTR	Ovarian cancer	He et al.,	2013	PLoS One
			no direct 3'UTR	Human Umbilical Vein Endothelial Cells	Zhou et al.,	2015	Burns
			direct 3'UTR	Small cell lung cancer	Yaghibi et al.,	2015	Mol Cancer Ther.
		ERBB3	direct 3'UTR	Breast cancer	Scott et al.,	2007	J Biol Chem
			direct 3'UTR	Ovarian cancer	He et al.,	2013	PLoS One
		FGFR3	direct 3'UTR	Papillary model	Xu et al.,	2011	J Invest Dermatol.
		G0S1	no direct 3'UTR	Medulloblastoma	Ferretti et al.,	2006	EMBO J
		Lin-28	direct 3'UTR	Embryonal carcinoma cells	Wu et al.,	2005	Mol Cell Biol.
		MAPK27	no direct 3'UTR	Cutaneous squamous cell carcinoma	Xu et al.,	2012	J Biol Chem
		MAPK911	no direct 3'UTR	Early 8-cells	Knackmuss et al.,	2015	Cell Death Differ.
		MMP7	no direct 3'UTR	Cutaneous squamous cell carcinoma	Xu et al.,	2011	J Biol Chem
		MMP13	direct 3'UTR	Cutaneous squamous cell carcinoma	Xu et al.,	2012	J Biol Chem
		NKIRAS2	direct 3'UTR	Bladder cancer	Wu et al.,	2013	Oncol Lett.
			direct 3'UTR	Glioblastoma	Haemmig et al.,	2014	Cell Death Dis.
		Notch1	direct 3'UTR	Human primary keratinocytes	Manca et al.,	2011	Exp Dermatol.
		Paclitad	no direct 3'UTR	Medulloblastoma	Ferretti et al.,	2007	EMBO J
		p14 ^{ARF}	direct 3'UTR	Prostate cancer	Amir et al.,	2013	PLoS One
		p38	direct 3'UTR	Human keratinocytes, human embryonic kidney cells	Tan et al.,	2012	J Biol Chem
		p53	direct 3'UTR	Human lung fibroblasts, zebrafish brain	Le et al.,	2009	Genes Dev.
			direct 3'UTR	Fewing Sarcoma	Wu et al.,	2013	Cancer Cell Int.
		RUNX2	no direct 3'UTR	Rat thoracic aorta	Chen et al.,	2013	PLoS One
		Schnurri-2	no direct 3'UTR	Human adipose-derived stem cells	Zhang et al.,	2012	J Cell Biochem.
			no direct 3'UTR	Leukemia	Erwinich et al.,	2014	Genes Dev.
		Sma2	direct 3'UTR	Hepatocellular carcinoma	Zhou et al.,	2015	Hepatology
		Sma24	direct 3'UTR	Leukemia	Erwinich et al.,	2014	Genes Dev.
		Smoothend	direct 3'UTR	Cerebellar neuronal progenitors cells, medulloblastoma	Ferretti et al.,	2008	EMBO J
		STAT3	direct 3'UTR	Murine bone marrow cells	Surdziel et al.,	2011	Blood
		SIP	direct 3'UTR	Osteosarcoma	Liu et al.,	2011	Biochem Biophys Res Commun
			direct 3'UTR	Pneumonia	Li et al.,	2013	Biochem Biophys Res Commun
		TAZ	direct 3'UTR	Hepatocellular carcinoma	Li et al.,	2015	Oncol Lett.
		TGFβR-1	no direct 3'UTR	Leukemia	Erwinich et al.,	2014	Genes Dev.
		YNF-α	direct 3'UTR	LPS-stimulated macrophages	Kim et al.,	2013	Immunol Invest.
		α-syn	direct 3'UTR	Human neuroblast cells	Kabaria et al.,	2015	FEBS Lett.
		Bcl-2	direct 3'UTR	Gastric cancer	Ji et al.,	2008	BMC Cancer
			no direct 3'UTR	Prostate cancer	Hagman et al.,	2010	Int J Cancer
		BMP-2	direct 3'UTR	Lung cancer	Fotinos et al.,	2014	Anticancer Res.
CCND1	direct 3'UTR	Mouse osteoblasts	Wei et al.,	2012	J Cell Biol.		
CCND2	no direct 3'UTR	Gastric cancer	Suzuki et al.,	2011	Carcinogenesis		
CCDC2A	no direct 3'UTR	Ovarian cancer	Yuan et al.,	2015	Int J Clin Exp Med.		
	no direct 3'UTR	Gastric cancer	Suzuki et al.,	2010	Carcinogenesis		
CDK4	no direct 3'UTR	Mouse osteoblasts	Wei et al.,	2012	J Cell Biol.		
	no direct 3'UTR	Uveal melanoma	Dong et al.,	2012	Mol Vis.		
	no direct 3'UTR	Uveal melanoma	Dong et al.,	2012	Mol Vis.		
CDK6	no direct 3'UTR	Uveal melanoma	Dong et al.,	2012	Mol Vis.		
	no direct 3'UTR	Ovarian cancer	Yuan et al.,	2015	Int J Clin Exp Med.		
	no direct 3'UTR	Gastric cancer	Suzuki et al.,	2010	Carcinogenesis		
c-met	direct 3'UTR	Laryngeal carcinoma model	Cui et al.,	2010	Int J Mol Med.		
	direct 3'UTR	Uveal melanoma	Dong et al.,	2012	Mol Vis.		
c-myc	direct 3'UTR	Cervical cancer	Cannell et al.,	2010	Proc Natl Acad Sci USA		
E2F3	no direct 3'UTR	Prostate cancer	Hagman et al.,	2011	Int J Cancer		
JAGGED-1	no direct 3'UTR	Mouse	Hopiel et al.,	2010	Gene Expr Patterns.		
JAGGED-1	direct 3'UTR	Osteosarcoma	Xu et al.,	2014	Med Oncol.		
Left1	no direct 3'UTR	Primary mouse ovarian surface epithelium cells	Corney et al.,	2007	Cancer Res.		
	no direct 3'UTR	Colon cancer	Roy et al.,	2012	J Hematol Oncol.		
Notch1	direct 3'UTR	Bone marrow stromal cells	Bae et al.,	2012	Hum Mol Genet.		
	direct 3'UTR	Mouse teste cells	Sree et al.,	2014	Biol Reprod.		
	direct 3'UTR	Osteosarcoma	Xu et al.,	2014	Med Oncol.		
Notch2	direct 3'UTR	Cervical cancer	Bouhallier et al.,	2010	RNA		
	direct 3'UTR	Glioblastoma	Wu et al.,	2013	Oncol Lett.		
PKC	no direct 3'UTR	Hippocampal cells from mice	Cao et al.,	2014	Cell Biol Int.		
	no direct 3'UTR	Mouse osteoblasts	Zhang et al.,	2012	J Biol Chem.		
RUNX2	direct 3'UTR	Osteosarcoma	Van der Deem et al.,	2013	J Biol Chem.		
SATB2	direct 3'UTR	Mouse osteoblasts	Wei et al.,	2012	J Cell Biol.		
SC7	direct 3'UTR	Vascular smooth muscle cells	Chen et al.,	2015	Cell Signal.		
TGFβ2	direct 3'UTR	Cervical cancer	Bouhallier et al.,	2010	RNA		
TBP31	direct 3'UTR	Mouse osteoblasts	Zhang et al.,	2012	J Biol Chem.		
ATM	no direct 3'UTR	Spontaneous breast carcinomas	Bondoux et al.,	2013	Br J Cancer.		
	direct 3'UTR	Pancreatic carcinoma	Wyllner et al.,	2009	Nat Cell Biol.		
Bmi-1	no direct 3'UTR	Prostate cancer	Saini et al.,	2011	Clin Cancer Res.		
	direct 3'UTR	Breast cancer	Yin et al.,	2013	PLoS One		
Bmp6r	direct 3'UTR	Mouse epithelial stem cells	Cao et al.,	2013	Development		
c-AM	no direct 3'UTR	Smooth muscle cells	Liao et al.,	2015	Physiol Rep.		
CDK6	no direct 3'UTR	Oesophageal cancer	Zhang et al.,	2014	J Cell Physiol.		
	no direct 3'UTR	Ovarian cancer	Yuan et al.,	2015	Int J Clin Exp Med.		
c-Jun	direct 3'UTR	Basal cell carcinoma	Sonkoly et al.,	2012	Oncogenesis		
	direct 3'UTR	Chicken fibroblasts	Luo et al.,	2014	Cell Death Dis.		
	direct 3'UTR	Cervical myelon cells	Triggiani et al.,	2014	J Biomed Sci.		
CREB1	direct 3'UTR	Multiple myeloma	Wong et al.,	2011	Br J Haematol.		
Dks	direct 3'UTR	Canine and human melanoma	Nguchi et al.,	2014	Vert Comp Oncol.		
	direct 3'UTR	Prostate cancer	Saini et al.,	2011	Clin Cancer Res.		
FGF2	direct 3'UTR	Benal cancer	Xu et al.,	2015	Diagn. Pathol.		
Friszled-2	no direct 3'UTR	Lung carcinoma	Mine et al.,	2015	PLoS One		
HES1	no direct 3'UTR	Rhabdomyosarcoma	Osai et al.,	2014	J Biol Chem.		
IL-22	direct 3'UTR	Oral biopsies from Oral Lichen Planus	Shen et al.,	2015	J Oral Pathol Med.		
JAGGED-1	no direct 3'UTR	Rhabdomyosarcoma	Diao et al.,	2014	J Biol Chem.		
Left1	direct 3'UTR	Zebrafish	Huthcher et al.,	2008	Proc Natl Acad Sci USA		
LFR	no direct 3'UTR	Rhabdomyosarcoma	Diao et al.,	2014	J Biol Chem.		
PKCα	direct 3'UTR	Lung cancer	Wang et al.,	2013	PLoS One		
p63	direct 3'UTR	Human mouse zebrafish	Yi et al.,	2008	Nature		
Rap1A	direct 3'UTR	Prostate cancer	Xiang et al.,	2015	J Exp Clin Cancer Res.		
RUNX2	direct 3'UTR	Prostate cancer	Saini et al.,	2011	Clin Cancer Res.		
Sng	direct 3'UTR	Gastric carcinoma	Shi et al.,	2015	Tumour Biol.		
Sma24	direct 3'UTR	Prostate cancer	Saini et al.,	2011	Clin Cancer Res.		
SPARC	direct 3'UTR	Head and neck squamous cell carcinoma	Benaich et al.,	2014	Cell rep.		
SRC	direct 3'UTR	Lung cancer	Wang et al.,	2014	PLoS One		
Survivin	direct 3'UTR	Prostate cancer	Saini et al.,	2011	Clin Cancer Res.		
VEGFA	direct 3'UTR	Bladder cancer	Zhang et al.,	2015	PLoS One		
ZEB1	direct 3'UTR	Cervical cancer	Zhu et al.,	2013	Cell Physiol Biochem.		
ZEB2	direct 3'UTR	Prostate cancer	Saini et al.,	2011	Clin Cancer Res.		

Supplementary Table S1. The p53-related miRNAs and the nature of the interaction with their target genes. The p53-related miRNAs and their target genes are summarized and the target genes are classified in alphabetical order. The nature of the interaction is defined as a direct/indirect interaction between the miRNA and the target mRNA. A direct interaction is shown as validated if the authors performed luciferase assay through a 3'UTR-reporter system. The authors, the date of publication, and the journals are also listed among all the references of this review.