

Table S5: A representative list of miR-145-mediated proteomic changes

Gene Symbol	Description	miR145/ Control	CDS[#] Match	3'UTR^Δ Match	8mer[*] Match
CDK5RAP2	CDK5 regulatory subunit-associated protein 2	0.13	4	0	0
KRT10	keratin, type I cytoskeletal 10	0.14	1	0	0
CNGA4	cyclic nucleotide-gated cation channel alpha-4	0.28	0	0	0
RNF213	protein ALO17	0.30	8	3	0
SPTLC1	serine palmitoyltransferase 1	0.36	3	1	0
PRPF39	pre-mRNA-processing factor 39	0.37	0	0	0
C18orf25	hypothetical protein LOC147339	0.38	1	1	0
ABCC1	multidrug resistance-associated protein 1	0.39	2	1	0
SWAP70	switch-associated protein 70	0.40	5	3	1
RPA1	replication protein A 70 kDa DNA-binding subunit	0.42	1	1	1
YTHDF2	YTH domain family protein 2	0.43	2	2	2
TRMT6	tRNA (adenine-N(1)-)-methyltransferase non-catalytic subunit	0.43	1	0	0
EP300	histone acetyltransferase p300	0.43	0	0	0
SPTAN1	spectrin alpha chain	0.43	0	0	0
FSCN1	fascin	0.43	2	4	3
GFPT2	glucosamine--fructose-6-phosphate aminotransferase	0.44	0	0	0
SEC24C	protein transport protein Sec24C	0.45	2	1	0
COG4	conserved oligomeric Golgi complex subunit 4	0.45	0	0	0
GTF2H3	general transcription factor IIH subunit 3	0.45	0	0	0
PPP1R9B	neurabin-2	0.46	2	3	0
USP11	ubiquitin carboxyl-terminal hydrolase 11	0.47	0	0	0
C6orf108	deoxyribonucleoside 5'-monophosphate N-glycosidase	0.47	0	0	0
NACC1	nucleus accumbens-associated protein 1	0.48	0	1	0
KRT1	keratin, type II cytoskeletal 1	0.49	0	0	0
SPTBN1	spectrin beta chain, brain 1	0.50	6	1	0
ABCE1	ATP-binding cassette sub-family E member 1	0.50	0	0	0
MCMBP	chromosome 10 open reading frame 119	0.50	0	1	0

POLD3	DNA polymerase delta subunit 3	0.50	0	1	0
SET	protein SET	0.52	0	1	0
PODXL	podocalyxin	0.58	1	4	0
TPM3	tropomyosin alpha-3 chain	0.62	0	3	3
YES1	proto-oncogene tyrosine-protein kinase Yes	0.64	0	0	0
AP1G1	AP-1 complex subunit gamma-1	0.67	0	4	2
MCM2	DNA replication licensing factor	0.67	0	0	0
HAT1	histone acetyltransferase type B catalytic subunit	0.67	2	0	0
TOP2B	DNA topoisomerase 2-beta	1.50	3	0	0
BCL2L12	bcl-2-like protein 12	1.54	0	0	0
COX3	cytochrome c oxidase subunit III	1.55	0	0	0
COX11	cytochrome c oxidase assembly protein COX11	1.55	1	0	0
MRPS28	mitochondrial 28S ribosomal protein S28	1.75	0	0	0
KIRREL	kin of IRRE-like protein 1	2.08	0	0	0
SUN2	SUN domain-containing protein 2	2.11	0	0	0
NSUN5	putative methyltransferase NSUN5	2.17	0	0	0
GOLIM4	Golgi integral membrane protein 4	2.26	1	0	0
EPS8	epidermal growth factor receptor kinase substrate 8	2.35	1	0	0
CLDN11	claudin-11	2.41	0	0	0
COX4I1	cytochrome c oxidase subunit 4	3.40	0	1	0
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#: coding sequence; Δ: 3'-untranslated region; *: perfect complementarity between first 8 nt at the 5' end of miR-145 and the 3'UTR of transcripts					