

Table S18. Predicted interactors (microRNAs and RNA-binding proteins) based on the nucleotide sequences of lincRNAs' open reading frames, encoding small proteins

Genes	SmProt ID (SPROHSA...)	Length, a.a.*	Peptide Atlas	microRNAs**	RNA-binding proteins***
<i>LINC00526</i>	171627	16	n/d	no	NUPL2, <b>PABPN1</b> , RBM45, <b>SRSF10</b> , <b>TRA2A</b>
	351374	19	n/d	no	<b>MBNL1</b> , PPRC1, RBFOX1, <b>RBM4</b> , RBM4B
<i>LINC00667</i>	381877	22	n/d	no	PABPC1, SART3
	166854	23	n/d	no	FUBP3, RBM15B, RBM41
	150256	29	n/d	no	PTB3
	46960	33	n/d	no	RBM4B, SAMD4A
	300118	39	n/d	<b>miR-526b</b> , <b>miR-1827</b> , miR-9851	<b>CNOT4</b> , <b>HNRNPA1</b> , <b>HNRNPL</b> , <b>HNRNPM</b> , <b>HNRPLL</b> , <b>IGF2BP2</b> , <b>IGF2BP3</b> , KHDRBS2, NUPL2, PABPC1, PABPC3, PABPC4, PABPC5, PABPN1L, SART3, <b>SRSF10</b> , YBX2
	168229	40	n/d	no	RBM4B, SAMD4A
	166850	45	n/d	no	NUPL2, PABC1, PABC3, PABC4, SART3
	244128	46	n/d	miR-4700, miR-548ad, miR-8089, miR-4667	RBM15B, RBM41
	166853	50	n/d	miR-548z, miR-548h, <b>miR-548d</b> , miR-548bb, miR-548ac	<b>RBM5</b>
	228790	60	n/d	miR-568	NUPL2, PABPC1, PABPC3, PABPC4, SART3
	271103	67	n/d	no	<b>EIF4G2</b> , FUS, HNRNPH2, <b>MBNL1</b> , <b>PCBP1</b> , <b>PCBP2</b> , PPRC1, RBM22, <b>RBM4</b> , RBM45, SAMD4A, SRSF9, SRSF8, ZC3H10
<i>LINC00668</i>	94911	33	n/d	no	SAMD4A, <b>SRSF2</b> , SRSF8
	74203	38	n/d	no	SAMD4A, SRSF2, SRSF8
	226469	66	n/d	<b>miR-6836</b> , miR-5006, miR-4755, miR-4446, miR-7110, miR-6829, miR-6791	NUPL2, <b>SRSF10</b> , <b>SRSF2</b>
	226470	70	n/d	<b>miR-6836</b> , miR-6829, miR-6791	SNRPA, <b>SRSF2</b> , SRSF8
	226471	86	n/d	<b>miR-6836</b> , miR-6829, miR-6791	<b>HNRNPU</b> , SAMD4A, SNRPA, <b>SRSF2</b> , SRSF8
<i>LINC01882</i>	392610	23	n/d	no	BRUNOL4, BRUNOL5, <b>RBM38</b>
	138350	28	n/d	no	SRSF9, YBX2
<i>LINC01895</i>	9535	8	n/d	no	ENOX1, SRSF10
	283247	19	n/d	no	<b>RBM24</b>
	250413	29	n/d	no	<b>CNOT4</b>
	199922	41	n/d	<b>miR-671</b> , miR-2276	<b>CNOT4</b> , <b>FXR1</b> , <b>LIN28A</b> , RBM22, <b>RBM25</b> , SNRPA, <b>SRSF10</b> , SRSF2
	206729	53	n/d	no	NUPL2
<i>LINC02864</i>	297396	34	n/d	no	PTB3, <b>PTBP3</b>
	194114	46	n/d	no	BRUNOL4, HNRNPF, SNRPA, <b>TRA2A</b>
	297394	55	n/d	miR-6817, miR-4769	<b>HNRNPH1</b> , <b>LIN28</b> , PABPN1, <b>SRSF2</b> , <b>TRA2A</b>

\*amino acid residues;

\*\*predicted using the miRDB portal [S1] (<https://mirdb.org>), target score cut-off  $\geq 75$ ;

\*\*\*predicted using the RBPmap portal [S2] (<http://rbpmap.technion.ac.il>), p-value  $< 0.001$ ;

n/d – no data.

Cancer-associated microRNAs and RBPs are highlighted with bold font.

Literature evidence of microRNAs and RNA-binding proteins (RBPs) associations with cancers was explored using MalaCards server: the human disease database [S3] (<http://www.malacards.org/>).

Cancer associations were selected by MalaCards InFormaTion Scores (MIFTS)  $> 70$

## References

- [S1] Chen Y, Wang X. miRDB: an online database for prediction of functional microRNA targets. *Nucleic Acids Res.* 2020;48(D1):D127-D131.
- [S2] Paz I, Argoetti A, Cohen N, Even N, Mandel-Gutfreund Y. RBPmap: A Tool for Mapping and Predicting the Binding Sites of RNA-Binding Proteins Considering the Motif Environment. *Methods Mol Biol.* 2022;2404:53-65.