

Supplementary Table 1 Predicted target genes of miR-540-3p

Ortholog of target gene	Representative transcript	Gene name	3P-seq tags + 5	Total sites	8mer sites	7mer sites	7mer-A1 sites	6mer sites	Representative miRNA	Cumulative weighted context++ score	Total context++ score	Aggregate to PCT
PAQR4	ENST00000318782.8	progesterin and adipoQ receptor family member IV	703	4	2	2	0	1	rno-miR-540-3p	-1.15	-1.17	N/A
DNAAF3	ENST00000254407.2	dynein, axonemal, assembly factor 3	25	4	0	0	4	0	rno-miR-540-3p	-0.93	-0.93	N/A
AC112715.2	ENST00000445534.2	Uncharacterized protein	5	1	1	0	0	0	rno-miR-540-3p	-0.93	-0.93	N/A
SHANK1	ENST00000391813.1	SH3 and multiple ankyrin repeat domains 1	5	3	1	2	0	1	rno-miR-540-3p	-0.9	-0.9	N/A
EXD3	ENST00000479452.1	exonuclease 3'-5' domain containing 3	650	1	1	0	0	0	rno-miR-540-3p	-0.86	-0.86	N/A
AC174470.1	ENST00000457257.1	zinc finger and BTB domain containing 4	164	1	0	1	0	2	rno-miR-540-3p	-0.84	-0.86	N/A
ZBTB4	ENST00000308599.4	lipoyl(octanoyl) transferase 2 (putative)	1039	3	2	1	0	1	rno-miR-540-3p	-0.8	-0.83	N/A
LIP2	ENST00000310109.4	tight junction protein 3	198	1	1	0	0	0	rno-miR-540-3p	-0.79	-0.79	N/A
TP3	ENST00000587686.1	pirin (iron-binding nuclear protein)	8	1	1	0	0	0	rno-miR-540-3p	-0.77	-0.77	N/A
PIR	ENST00000380420.5	keratin 24	271	1	1	0	0	0	rno-miR-540-3p	-0.75	-0.75	N/A
KRT24	ENST00000264651.2	multivesicular body subunit 12B	5	2	1	0	1	0	rno-miR-540-3p	-0.73	-0.73	N/A
MVB12B	ENST00000361171.3	keratin associated protein 13-1	29	6	0	2	4	1	rno-miR-540-3p	-0.72	-0.72	N/A
KRTAP13-1	ENST00000355459.2	EF-hand and coiled-coil domain containing 1	5	2	0	1	1	0	rno-miR-540-3p	-0.71	-0.71	N/A
EFCC1	ENST00000436022.2	transmembrane protein 196	5	2	1	0	1	0	rno-miR-540-3p	-0.71	-0.71	N/A
TMEM196	ENST00000405844.1	chemokine (C-C motif) ligand 4-like 2	5	1	1	0	0	0	rno-miR-540-3p	-0.7	-0.7	N/A
CCL4L2	ENST00000482104.1	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)	5	1	1	0	0	0	rno-miR-540-3p	-0.69	-0.69	N/A
LSM1	ENST00000207551.1	solute carrier family 25 (mitochondrial thiamine pyrophosphate carrier), member 19	920	1	1	0	0	0	rno-miR-540-3p	-0.69	-0.69	N/A
SLC25A19	ENST00000416858.2	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5	108	2	1	0	1	0	rno-miR-540-3p	-0.69	-0.69	N/A
SLC25A5	ENST00000317881.8	solute carrier family 44, member 3	260	1	1	0	0	0	rno-miR-540-3p	-0.67	-0.68	N/A
SLC44A3	ENST00000271227.6	gastrokine 1	13	1	1	0	0	0	rno-miR-540-3p	-0.67	-0.67	N/A
VIM	ENST00000224375.5	WD repeat domain 16	31747	1	1	0	0	0	rno-miR-540-3p	-0.67	-0.67	N/A
GKN1	ENST00000377938.2	centrosomal protein 55kDa	5	1	1	0	0	0	rno-miR-540-3p	-0.67	-0.67	N/A
WDR16	ENST00000352665.5	hemoglobin, alpha 1	5	1	1	0	0	0	rno-miR-540-3p	-0.67	-0.67	N/A
CEP55	ENST00000371485.3	calcium binding protein 4	92	2	1	0	1	0	rno-miR-540-3p	-0.66	-0.66	N/A
HBA1	ENST00000320868.5	calcium binding protein 4	5	1	1	0	0	0	rno-miR-540-3p	-0.66	-0.66	N/A
CABP4	ENST00000438189.2	TAF8 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 43kDa	5	1	1	0	0	0	rno-miR-540-3p	-0.66	-0.66	N/A
TAF8	ENST00000372977.3	chromosome 2 open reading frame 70	135	3	1	0	2	0	rno-miR-540-3p	-0.65	-0.74	N/A
C2orf70	ENST00000409392.1	leucine zipper protein 2	5	1	1	0	0	0	rno-miR-540-3p	-0.65	-0.65	N/A
LUZP2	ENST00000533227.1	solute carrier family 37, member 3	33	3	0	0	3	0	rno-miR-540-3p	-0.65	-0.65	N/A
SLC37A3	ENST00000447932.2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	86	2	1	1	0	0	rno-miR-540-3p	-0.65	-0.68	N/A
CTDSP1	ENST00000443503.2	hemoglobin, alpha 2	372	2	2	0	0	2	rno-miR-540-3p	-0.64	-0.77	N/A
HBA2	ENST00000251595.6	olfactomedin-like 2B	5	1	1	0	0	0	rno-miR-540-3p	-0.64	-0.64	N/A
OLFML2B	ENST00000294794.3	transcription elongation factor A (SII)-like 3	5	2	0	2	0	0	rno-miR-540-3p	-0.64	-0.64	N/A
TCEAL3	ENST00000372628.1	stathmin-like 3	23	2	0	2	0	0	rno-miR-540-3p	-0.63	-0.63	N/A
STMN3	ENST00000370053.1	TAF13 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 18kDa	17	3	0	2	1	0	rno-miR-540-3p	-0.63	-0.63	N/A
TAF13	ENST00000338366.5	Uncharacterized protein	745	1	1	0	0	0	rno-miR-540-3p	-0.63	-0.64	N/A
RP11-10A14.4	ENST00000518496.1	BTB (POZ) domain containing 10	9	2	0	1	1	0	rno-miR-540-3p	-0.63	-0.81	N/A
BTBD10	ENST00000278174.5	ADP-ribosylation factor-like 3	5	1	1	0	0	0	rno-miR-540-3p	-0.62	-0.62	N/A
ARL3	ENST00000260746.5	DnaJ (Hsp40) homolog, subfamily C, member 15	1387	2	1	1	0	0	rno-miR-540-3p	-0.62	-0.64	N/A
DNAJC15	ENST00000379221.2	chemokine (C-C motif) ligand 4-like 1	3290	1	1	0	0	0	rno-miR-540-3p	-0.61	-0.61	N/A
CCL4L1	ENST00000586598.1	family with sequence similarity 107, member A	5	1	1	0	0	2	rno-miR-540-3p	-0.61	-0.61	N/A
FAM107A	ENST00000464064.1	suppressor of Ty 4 homolog 1 (S. cerevisiae)	12	3	1	0	0	0	rno-miR-540-3p	-0.61	-0.82	N/A
CTD-2370N5.3	ENST00000578584.1	low density lipoprotein receptor adaptor protein 1	5	1	1	0	0	0	rno-miR-540-3p	-0.61	-0.61	N/A
SUP74H1	ENST00000225504.3	pyrimidinergic receptor P2Y, G-protein coupled, 4	6325	1	1	0	0	1	rno-miR-540-3p	-0.6	-0.65	N/A
LDLRAP1	ENST00000374338.4	NDRG family member 2	111	2	1	0	1	1	rno-miR-540-3p	-0.6	-0.6	N/A
P2RY4	ENST00000374519.2	UPT14, U3 small nucleolar ribonucleoprotein, homolog C (yeast)	5	1	1	0	0	0	rno-miR-540-3p	-0.6	-0.6	N/A
NDRG2	ENST00000298687.5	tweety family member 1	217	2	1	1	0	0	rno-miR-540-3p	-0.6	-0.6	N/A
UTP14C	ENST00000521776.2	small integral membrane protein 15	174	1	0	0	1	1	rno-miR-540-3p	-0.6	-0.6	N/A
TTYH1	ENST00000301194.4	ribosomal protein S2	5	2	1	0	1	1	rno-miR-540-3p	-0.6	-0.6	N/A
SMIM15	ENST00000339020.3	leucine rich repeat containing 55	1037	2	0	2	0	0	rno-miR-540-3p	-0.59	-0.6	N/A
RPS2	ENST00000529806.1	transmembrane protein 42	4788	1	0	0	1	2	rno-miR-540-3p	-0.58	-0.58	N/A
LRRC55	ENST00000497933.1	kin of IRRE like (Drosophila)	5	4	0	1	3	0	rno-miR-540-3p	-0.58	-0.58	N/A
TMEM42	ENST00000302392.4	cyclin-dependent kinase 8	137	2	1	0	1	0	rno-miR-540-3p	-0.58	-0.58	N/A
KIRREL	ENST00000368172.1	seizure related 6 homolog (mouse)-like	493	3	2	1	0	2	rno-miR-540-3p	-0.58	-0.59	N/A
CDK8	ENST00000536792.1	lysine (K)-specific demethylase 5C	280	2	1	0	1	0	rno-miR-540-3p	-0.57	-0.58	N/A
SEZ6L	ENST00000360929.3	EH-domain containing 2	5	3	1	1	1	1	rno-miR-540-3p	-0.57	-0.57	N/A
KDM5C	ENST00000375401.3	eukaryotic translation initiation factor 1	422	2	1	1	0	1	rno-miR-540-3p	-0.57	-0.6	N/A
EHD2	ENST00000263277.3	ubiquitin related modifier 1	2072	1	1	0	0	2	rno-miR-540-3p	-0.57	-0.58	N/A
EIF1	ENST00000469257.1	NAD synthetase 1	415	2	2	0	0	0	rno-miR-540-3p	-0.56	-0.84	N/A
URM1	ENST00000372850.1	chromosome 20 open reading frame 194	345	3	0	3	0	2	rno-miR-540-3p	-0.56	-0.56	N/A
NADSYN1	ENST00000319023.2	collagen, type VI, alpha 1	220	1	1	0	0	0	rno-miR-540-3p	-0.56	-0.56	N/A
C20orf194	ENST00000453730.2	FAD-dependent oxidoreductase domain containing 1	1083	4	0	2	2	2	rno-miR-540-3p	-0.56	-0.56	N/A
COL6A1	ENST00000361866.3	tripartite motif containing 11	2518	2	0	0	2	0	rno-miR-540-3p	-0.56	-0.56	N/A
FOXRED1	ENST00000263578.5	chromosome 1 open reading frame 122	309	1	1	0	0	1	rno-miR-540-3p	-0.55	-0.55	N/A
TRIM11	ENST00000493030.2	F-box protein 40	727	1	1	0	0	0	rno-miR-540-3p	-0.55	-0.55	N/A
C1orf122	ENST00000373042.4	junctional adhesion molecule 3	435	1	1	0	0	1	rno-miR-540-3p	-0.55	-0.63	N/A
FBXO40	ENST00000338040.4	chromosome 2 open reading frame 42	5	3	0	2	1	0	rno-miR-540-3p	-0.54	-0.54	N/A
JAM3	ENST00000299106.4	ERBB receptor feedback inhibitor 1	85	2	2	0	0	2	rno-miR-540-3p	-0.54	-0.58	N/A
C2orf42	ENST00000264434.2	teashirt zinc finger homeobox 2	13	1	1	0	0	0	rno-miR-540-3p	-0.54	-0.54	N/A
ERRF1	ENST00000377482.5	vacuolar protein sorting 13 homolog B (yeast)	3807	1	1	0	0	1	rno-miR-540-3p	-0.53	-0.57	N/A
TSHZ2	ENST00000371497.5	hairly and enhancer of split 6 (Drosophila)	351	2	0	2	1	0	rno-miR-540-3p	-0.53	-0.54	N/A
VPS13B	ENST00000395996.1	prostate and testis expressed 3	262	2	0	0	2	3	rno-miR-540-3p	-0.53	-0.53	N/A
HES6	ENST00000409574.1	MFNG D-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	3170	2	0	1	1	1	rno-miR-540-3p	-0.53	-0.53	N/A
PATE3	ENST0000045202.1	complement factor properdin	5	1	1	0	0	0	rno-miR-540-3p	-0.52	-0.52	N/A
MFNG	ENST00000416983.3	lymphocyte-specific protein 1	14	1	1	0	0	0	rno-miR-540-3p	-0.52	-0.52	N/A
CFP	ENST00000396992.3	SLX4 interacting protein	5	1	0	1	0	1	rno-miR-540-3p	-0.52	-0.52	N/A
LPAR5	ENST00000329858.4	hippocalcin-like 1	5	2	0	2	0	1	rno-miR-540-3p	-0.52	-0.52	N/A
SEMA4A	ENST00000368282.1	intracisternal A particle-promoted polypeptide	30	2	1	0	1	1	rno-miR-540-3p	-0.51	-0.51	N/A
FAM222B	ENST00000582266.1	canopy FGF signaling regulator 1	100	3	0	2	1	1	rno-miR-540-3p	-0.51	-0.57	N/A
LSP1	ENST00000311604.3	potassium inwardly-rectifying channel, subfamily J, member 13	5	2	0	1	1	0	rno-miR-540-3p	-0.51	-0.51	N/A
SLX4IP	ENST00000334534.5	dynactin 2 (p50)	0	1	1	0	0	0	rno-miR-540-3p	-0.51	-0.51	N/A
EPGN	ENST00000413830.1	polymerase (DNA directed), epsilon 3, accessory subunit	26	1	1	0	0	0	rno-miR-540-3p	-0.5	-0.5	N/A
TMEM245	ENST00000374586.3	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	1320	2	2	0	0	1	rno-miR-540-3p	-0.5	-0.53	N/A
AADACL3	ENST00000332530.3	complement component 1, q subcomponent-like 1	5	2	0	0	2	1	rno-miR-540-3p	-0.5	-0.5	N/A
HP55	ENST0000037258.1	phosphomannomutase 1	281	1	1	0	0	0	rno-miR-540-3p	-0.5	-0.5	N/A
HPCAL1	ENST00000381765.3	v-r simian leukemia viral oncogene homolog A (ras related)	233	1	1	0	0	0	rno-miR-540-3p	-0.5	-0.5	N/A
IPP												

DLEU7	ENST00000504404.1	deleted in lymphocytic leukemia, 7	5	1	1	0	0	0	rno-miR-540-3p	-0.47	-0.47	N/A	
IKZF4	ENST00000262032.5	IKAROS family zinc finger 4 (Eos)	329	3	0	2	1	0	0	rno-miR-540-3p	-0.47	-0.47	N/A
CXCR5	ENST00000292174.4	chemokine (C-X-C motif) receptor 5	5	2	1	1	0	1	0	rno-miR-540-3p	-0.46	-0.46	N/A
RTN4RL1	ENST0000031238.6	reticulon 4 receptor-like 1	82	1	1	0	0	0	1	rno-miR-540-3p	-0.46	-0.46	N/A
ISOC1	ENST00000173527.5	isochorismatase domain containing 1	390	1	1	0	0	0	0	rno-miR-540-3p	-0.46	-0.48	N/A
RBM33	ENST00000341148.3	RNA binding motif protein 33	444	2	1	1	0	2	0	rno-miR-540-3p	-0.46	-0.51	N/A
PRKACB	ENST00000370689.2	protein kinase, cAMP-dependent, catalytic, beta	344	3	1	1	1	1	0	rno-miR-540-3p	-0.46	-0.48	N/A
TNFSF13B	ENST00000375887.4	tumor necrosis factor (ligand) superfamily, member 13b	5	1	1	0	0	0	0	rno-miR-540-3p	-0.46	-0.46	N/A
XK	ENST00000378616.3	X-linked Kx blood group (McLeod syndrome)	39	1	1	0	0	0	0	rno-miR-540-3p	-0.46	-0.46	N/A
TTPAL	ENST00000372906.2	tocopherol (alpha) transfer protein-like	265	3	1	0	2	0	0	rno-miR-540-3p	-0.46	-0.64	N/A
CYB561D1	ENST00000496961.1	cytochrome b561 family, member D1	105	2	2	0	0	0	0	rno-miR-540-3p	-0.45	-0.45	N/A
FOSL2	ENST00000379619.1	FOS-like antigen 2	2255	2	1	1	0	0	0	rno-miR-540-3p	-0.45	-0.45	N/A
ZBTB14	ENST00000357006.4	zinc finger and BTB domain containing 14	459	1	1	0	0	1	0	rno-miR-540-3p	-0.45	-0.45	N/A
ALOX15B	ENST00000380183.4	arachidonate 15-lipoxygenase, type B	5	1	1	0	0	0	0	rno-miR-540-3p	-0.45	-0.45	N/A
IL18BP	ENST00000497194.2	interleukin 18 binding protein	41	1	1	0	0	1	0	rno-miR-540-3p	-0.45	-0.51	N/A
GNAI1	ENST00000351004.3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	1346	1	1	0	0	0	0	rno-miR-540-3p	-0.45	-0.45	N/A
VP54	ENST00000409558.4	vacuolar protein sorting 54 homolog (S. cerevisiae)	312	1	1	0	0	0	0	rno-miR-540-3p	-0.45	-0.45	N/A
ITGA5	ENST0000029379.4	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	559	2	0	0	2	0	0	rno-miR-540-3p	-0.44	-0.45	N/A
WHAMM	ENST00000286760.4	WAS protein homolog associated with actin, golgi membranes and microtubules	834	1	1	0	0	0	0	rno-miR-540-3p	-0.44	-0.44	N/A
APOC4	ENST00000419266.2	apolipoprotein C-IV	2245	2	0	0	2	0	0	rno-miR-540-3p	-0.44	-0.45	N/A
CAPN6	ENST00000324068.1	calpain 6	5	1	1	0	0	0	0	rno-miR-540-3p	-0.44	-0.44	N/A
KLLN	ENST00000445946.3	killin, p53-regulated DNA replication inhibitor	5	2	0	2	0	1	0	rno-miR-540-3p	-0.44	-0.44	N/A
CCR5	ENST00000292303.4	chemokine (C-C motif) receptor 5 (gene/pseudogene)	5	1	1	0	0	0	0	rno-miR-540-3p	-0.44	-0.44	N/A
HSPB6	ENST00000587965.1	heat shock protein, alpha-crystallin-related, B6	121	1	0	1	0	1	0	rno-miR-540-3p	-0.44	-0.46	N/A
BRPF3	ENST0000054400.1	bromodomain and PHD finger containing, 3	7032	2	1	0	1	0	0	rno-miR-540-3p	-0.43	-0.43	N/A
TNF	ENST0000049264.2	tumor necrosis factor	5	2	0	2	0	0	0	rno-miR-540-3p	-0.43	-0.43	N/A
RDH11	ENST00000381346.4	retinol dehydrogenase 11 (all-trans/9-cis/11-cis)	1177	1	1	0	0	0	0	rno-miR-540-3p	-0.43	-0.45	N/A
HEXIM1	ENST00000332499.2	hexamethylene bis-acetamide inducible 1	179	1	1	0	0	1	0	rno-miR-540-3p	-0.43	-0.53	N/A
CDK5R1	ENST00000313401.3	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	335	2	0	0	2	0	0	rno-miR-540-3p	-0.43	-0.43	N/A
MYO5B	ENST00000285039.7	myosin VB	12	2	0	1	1	1	0	rno-miR-540-3p	-0.43	-0.43	N/A
DAZAP1	ENST00000336761.6	DAZ associated protein 1	3500	2	0	1	1	0	0	rno-miR-540-3p	-0.43	-0.51	N/A
TMEM60	ENST00000257663.3	transmembrane protein 60	29	1	0	1	0	0	0	rno-miR-540-3p	-0.43	-0.47	N/A
TMEM110	ENST00000355083.5	transmembrane protein 110	306	3	0	1	2	0	0	rno-miR-540-3p	-0.43	-0.52	N/A
KCTD9	ENST00000221200.4	potassium channel tetramerization domain containing 9	575	2	1	0	1	1	0	rno-miR-540-3p	-0.42	-0.44	N/A
NGFR	ENST00000172229.3	nerve growth factor receptor	5	2	1	0	1	1	0	rno-miR-540-3p	-0.42	-0.42	N/A
NDOR1	ENST00000427047.2	NADPH dependent flavin oxidoreductase 1	1044	2	1	1	0	2	0	rno-miR-540-3p	-0.42	-0.42	N/A
PARP6	ENST00000260376.7	poly (ADP-ribose) polymerase family, member 6	867	1	1	0	0	0	0	rno-miR-540-3p	-0.42	-0.42	N/A
IL2RA	ENST00000379959.3	interleukin 2 receptor, alpha	5	1	1	0	0	0	0	rno-miR-540-3p	-0.42	-0.42	N/A
PIGZ	ENST00000412723.1	phosphatidylinositol glycan anchor biosynthesis, class Z	1071	1	1	0	0	0	0	rno-miR-540-3p	-0.42	-0.42	N/A
MYOG	ENST00000241651.4	myogenin (myogenic factor 4)	5	1	1	0	0	0	0	rno-miR-540-3p	-0.42	-0.42	N/A
RASSF9	ENST00000361228.3	Ras association (RalGDS/AF-6) domain family (N-terminal) member 9	9	1	0	1	0	0	0	rno-miR-540-3p	-0.42	-0.42	N/A
SNX25	ENST00000504273.1	sorting nexin 25	21	1	1	0	0	0	0	rno-miR-540-3p	-0.42	-0.42	N/A
CRIM1	ENST00000280527.2	cysteine rich transmembrane BMP regulator 1 (chordin-like)	4842	2	1	0	1	0	0	rno-miR-540-3p	-0.42	-0.42	N/A
PSMA3	ENST00000412908.2	proteasome (prosome, macropain) subunit, alpha type, 3	1234	1	0	0	1	0	0	rno-miR-540-3p	-0.42	-0.42	N/A
TCF7	ENST00000518915.1	transcription factor 7 (T-cell specific, HMG-box)	883	1	1	0	0	2	0	rno-miR-540-3p	-0.42	-0.42	N/A
CCDC74A	ENST00000467992.2	coiled-coil domain containing 74A	5	1	1	0	0	0	0	rno-miR-540-3p	-0.41	-0.41	N/A
RNF5	ENST00000427134.2	ring finger protein 5, E3 ubiquitin protein ligase	5	1	1	0	0	0	0	rno-miR-540-3p	-0.41	-0.41	N/A
TCEAL4	ENST00000472484.1	transcription elongation factor A (SII)-like 4	937	2	0	2	0	0	0	rno-miR-540-3p	-0.41	-0.65	N/A
ERMAP	ENST00000372514.3	erythroblast membrane-associated protein (Scianna blood group)	121	1	0	0	0	1	0	rno-miR-540-3p	-0.41	-0.41	N/A
ZFP41	ENST00000250584.1	ZFP41 zinc finger protein	7	1	1	0	0	0	0	rno-miR-540-3p	-0.41	-0.41	N/A
TP53INP2	ENST00000374810.3	tumor protein p53 inducible nuclear protein 2	12	2	0	1	1	2	0	rno-miR-540-3p	-0.41	-0.41	N/A
GF11B	ENST00000450530.1	growth factor independent 1B transcription repressor	11	1	1	0	0	0	0	rno-miR-540-3p	-0.41	-0.41	N/A
PLCD4	ENST00000450993.2	phospholipase C, delta 4	11	1	1	0	0	1	0	rno-miR-540-3p	-0.41	-0.41	N/A
UBAP2	ENST00000379238.1	ubiquitin associated protein 2	87	1	1	0	0	0	0	rno-miR-540-3p	-0.41	-0.48	N/A
TCL1B	ENST00000340722.7	T-cell leukemia/lymphoma 1B	5	1	0	1	0	1	0	rno-miR-540-3p	-0.41	-0.41	N/A
IVD	ENST00000249760.2	isovaleryl-CoA dehydrogenase	484	2	0	2	0	1	0	rno-miR-540-3p	-0.41	-0.52	N/A
TSHZ1	ENST00000322038.5	teashirt zinc finger homeobox 1	174	1	0	1	0	2	0	rno-miR-540-3p	-0.41	-0.41	N/A
PPAPDC2	ENST00000381883.2	phosphatidic acid phosphatase type 2 domain containing 2	263	2	0	2	0	1	0	rno-miR-540-3p	-0.41	-0.46	N/A
CDH7	ENST00000397968.2	cadherin 7, type 2	42	3	0	2	1	0	0	rno-miR-540-3p	-0.41	-0.55	N/A
TAL1	ENST00000371884.2	T-cell acute lymphocytic leukemia 1	5	3	0	0	3	1	0	rno-miR-540-3p	-0.41	-0.41	N/A
POLL	ENST00000370168.3	polymerase (DNA directed), lambda	139	1	1	0	0	1	0	rno-miR-540-3p	-0.41	-0.45	N/A
TOPI	ENST00000361337.2	topoisomerase (DNA I)	15	1	1	0	0	0	0	rno-miR-540-3p	-0.4	-0.4	N/A
EPB41L4A	ENST00000261486.5	erythrocyte membrane protein band 4.1 like 4A	103	1	1	0	0	0	0	rno-miR-540-3p	-0.4	-0.48	N/A
ANGEL2	ENST0000035388.1	angel homolog 2 (Drosophila)	218	1	1	0	0	0	0	rno-miR-540-3p	-0.4	-0.41	N/A
TYROBP	ENST00000424586.3	TYRO protein tyrosine kinase binding protein	5	1	0	1	0	0	0	rno-miR-540-3p	-0.4	-0.4	N/A
ZC3H12B	ENST00000338957.4	zinc finger CCHC-type containing 12B	29	3	1	2	0	1	0	rno-miR-540-3p	-0.4	-0.4	N/A
RHOA	ENST00000454011.2	ras homolog family member A	8507	1	1	0	0	0	0	rno-miR-540-3p	-0.4	-0.4	N/A
PDE6D	ENST00000409772.1	phosphodiesterase 6D, cGMP-specific, rod, delta	1265	1	0	1	0	0	0	rno-miR-540-3p	-0.4	-0.4	N/A
S1PR2	ENST00000590320.1	sphingosine-1-phosphate receptor 2	10	3	0	2	1	0	0	rno-miR-540-3p	-0.4	-0.4	N/A
REL	ENST00000295025.8	v-rel avian reticuloendotheliosis viral oncogene homolog	116	1	1	0	0	0	0	rno-miR-540-3p	-0.4	-0.4	N/A
MAPK4	ENST00000592595.1	mitogen-activated protein kinase 4	77	1	1	0	0	3	0	rno-miR-540-3p	-0.4	-0.43	N/A
RP11-180Cl.1	ENST00000507759.1	Uncharacterized protein	5	1	0	0	1	0	0	rno-miR-540-3p	-0.4	-0.4	N/A
FRRS1	ENST00000287474.5	ferric-chelate reductase 1	97	2	1	1	0	0	0	rno-miR-540-3p	-0.4	-0.54	N/A
RBM45	ENST00000286070.5	RNA binding motif protein 45	295	1	0	1	0	0	0	rno-miR-540-3p	-0.4	-0.4	N/A
RAPGEF1	ENST00000372189.3	Rap guanine nucleotide exchange factor (GEF) 1	335	1	1	0	0	1	0	rno-miR-540-3p	-0.4	-0.4	N/A
S100B	ENST00000291700.4	S100 calcium binding protein B	5	1	0	1	0	0	0	rno-miR-540-3p	-0.4	-0.4	N/A
GALNT15	ENST00000339732.5	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 15	114	2	2	0	0	0	0	rno-miR-540-3p	-0.39	-0.47	N/A
CIQTIN6	ENST00000337843.2	CIq and tumor necrosis factor related protein 6	30	2	0	2	0	0	0	rno-miR-540-3p	-0.39	-0.39	N/A
RPUSD1	ENST00000565809.1	RNA pseudouridylylase synthase domain containing 1	1360	1	0	0	1	4	0	rno-miR-540-3p	-0.39	-0.39	N/A
ZDHHC1	ENST00000348579.2	zinc finger, DHHC-type containing 1	9	1	1	0	0	0	0	rno-miR-540-3p	-0.39	-0.39	N/A
STRADA	ENST00000375840.4	STE20-related kinase adaptor alpha	366	1	1	0	0	0	0	rno-miR-540-3p	-0.39	-0.39	N/A
ANKRD63	ENST00000434396.1	ankyrin repeat domain 63	5	3	0	1	2	1	0	rno-miR-540-3p	-0.39	-0.39	N/A
CLVS1	ENST00000518592.1	clavesin 1	5	1	0	1	0	1	0	rno-miR-540-3p	-0.39	-0.39	N/A
RIC3	ENST00000396677.2	RIC3 acetylcholine receptor chaperone	5	2	0	2	0	1	0	rno-miR-540-3p	-0.39	-0.39	N/A
GAS2	ENST00000454584.2	growth arrest-specific 2	13	1	1	0	0	0	0	rno-miR-540-3p	-0.39	-0.45	N/A
GMFB	ENST00000554908.1	glia maturation factor, beta	15	2	0	0	2	1	0	rno-miR-540-3p	-0.39	-0.56	N/A
ELF1	ENST00000442101.1	E74-like factor 1 (ets domain transcription factor)	466	1	1	0	0	0	0	rno-miR-540-3p	-0.39	-0.39	N/A
STSSIA3	ENST00000324000.3	ST8 alpha-N-acetyl-neuraminidase alpha-2,8-sialyltransferase 3	5	3	2	0	1	2	0	rno-miR-540-3p	-0.39	-0.39	N/A
COMT	ENST00000361682.6	catechol-O-methyltransferase	323	1	0	1	0	0	0	rno-miR-540-3p	-0.39	-0.39	N/A
SH3BGRL3	ENST00000319041.6	SH3 domain binding glutamic acid-rich protein like 3	8719	1	0	1	0	0	0	rno-miR-540-3p	-0.39	-0.39	N/A
GZMH	ENST00000216338.4	granzyme H (cathepsin G-like 2, protein H-CCPX)	5	1	0	1	0	0	0	rno-miR-540-3p	-0.39	-0.39	N/A
GEMIN4	ENST00000319004.5	gem (nuclear organelle) associated protein 4	339	1	0	1	0	0	0	rno-miR-540-3p	-0.39	-0.39	N/A
GNAI4	ENST00000341700.6	guanine nucleotide binding protein (G protein), alpha 14	5	1	1	0	0	0	0	rno-miR-540-3p	-0.39	-0.39	N/A
SYT15	ENST00000374323.4	synaptotagmin XV	5	1									

RPL22	ENST00000234875.4	ribosomal protein L22	1455	1	1	0	0	0	0	rno-miR-540-3p	-0.37	-0.37	N/A
MMP19	ENST00000409200.3	matrix metalloproteinase 19	135	1	0	0	1	1	1	rno-miR-540-3p	-0.37	-0.37	N/A
Cbor1f73	ENST00000412566.1	chromosome 9 open reading frame 173	5	1	0	1	0	1	1	rno-miR-540-3p	-0.37	-0.37	N/A
KRBA1	ENST00000255992.10	KRAB-A domain containing 1	747	1	1	0	0	0	0	rno-miR-540-3p	-0.37	-0.37	N/A
TIMP3	ENST00000266085.6	TIMP metalloproteinase inhibitor 3	7421	1	1	0	0	0	0	rno-miR-540-3p	-0.36	-0.38	N/A
SYCE2	ENST00000293695.7	synaptonemal complex central element protein 2	5	1	0	1	0	0	0	rno-miR-540-3p	-0.36	-0.36	N/A
REG3G	ENST00000393897.2	regenerating islet-derived 3 gamma	5	1	0	1	0	0	0	rno-miR-540-3p	-0.36	-0.36	N/A
GF2	ENST00000264498.3	fibroblast growth factor 2 (basic)	123	2	2	0	0	0	0	rno-miR-540-3p	-0.36	-0.55	N/A
SLC19A2	ENST00000236137.5	solute carrier family 19 (thiamine transporter), member 2	229	1	1	0	0	0	0	rno-miR-540-3p	-0.36	-0.36	N/A
SLC2A4	ENST0000017370.8	solute carrier family 2 (facilitated glucose transporter), member 4	233	1	1	0	0	0	0	rno-miR-540-3p	-0.36	-0.36	N/A
BCL7B	ENST00000223368.2	B-cell CLL/lymphoma 7B	4037	1	1	0	0	1	1	rno-miR-540-3p	-0.36	-0.36	N/A
WDR6	ENST00000395474.3	WD repeat domain 6	3435	1	1	0	0	0	0	rno-miR-540-3p	-0.36	-0.36	N/A
OXTN1	ENST00000316793.3	oxytocin receptor	24	2	2	0	0	0	3	rno-miR-540-3p	-0.36	-0.61	N/A
PANX1	ENST00000227638.3	pannexin 1	576	1	1	0	0	0	3	rno-miR-540-3p	-0.36	-0.53	N/A
CCR9	ENST00000357632.2	chemokine (C-C motif) receptor 9	5	2	0	0	2	0	2	rno-miR-540-3p	-0.36	-0.36	N/A
FIGN	ENST00000333129.3	figitin	10	2	2	0	0	0	1	rno-miR-540-3p	-0.36	-0.67	N/A
HOXD4	ENST00000306324.3	homeobox D4	214	1	0	0	0	1	1	rno-miR-540-3p	-0.36	-0.41	N/A
VPS33A	ENST00000267199.4	vacuolar protein sorting 33 homolog A (S. cerevisiae)	282	1	1	0	0	0	0	rno-miR-540-3p	-0.36	-0.38	N/A
AHSG	ENST00000411641.2	alpha-2-HS-glycoprotein	144558	1	0	0	1	1	1	rno-miR-540-3p	-0.36	-0.36	N/A
TP53I1	ENST00000395648.3	tumor protein p53 inducible protein 11	90	2	0	1	1	0	0	rno-miR-540-3p	-0.36	-0.36	N/A
RP11-57H12.6	ENST00000604534.1	TMEM56-RWDD3 protein	49	1	1	0	0	0	0	rno-miR-540-3p	-0.36	-0.36	N/A
NDN	ENST00000331837.4	nedrin, melanoma antigen (MAGE) family member	5	2	0	1	1	1	0	rno-miR-540-3p	-0.36	-0.36	N/A
TP53AIP1	ENST00000602346.1	tumor protein p53 regulated apoptosis inducing protein 1	5	1	0	0	1	1	1	rno-miR-540-3p	-0.36	-0.36	N/A
DAGLA	ENST00000257215.5	diacylglycerol lipase, alpha	1262	2	1	0	1	1	1	rno-miR-540-3p	-0.36	-0.36	N/A
RAB5C	ENST00000346213.4	RAB5C, member RAS oncogene family	96	1	1	0	0	2	2	rno-miR-540-3p	-0.36	-0.64	N/A
KCNJ6	ENST00000609713.1	potassium inwardly-rectifying channel, subfamily J, member 6	5	4	0	2	2	2	2	rno-miR-540-3p	-0.36	-0.36	N/A
USP19	ENST00000398896.1	ubiquitin specific peptidase 19	323	1	0	1	0	1	1	rno-miR-540-3p	-0.36	-0.36	N/A
KANSL3	ENST00000431828.1	KAT8 regulatory NSL complex subunit 3	121	2	0	0	2	0	0	rno-miR-540-3p	-0.36	-0.36	N/A
STK11IP	ENST00000456909.1	serine/threonine kinase 11 interacting protein	20	1	1	0	0	0	0	rno-miR-540-3p	-0.36	-0.36	N/A
NAP1L6	ENST00000375181.1	nucleosome assembly protein 1-like 6	5	1	0	1	0	0	0	rno-miR-540-3p	-0.36	-0.36	N/A
AGAP2-AS1	ENST00000542466.2	AGAP2 antisense RNA 1	5	1	1	0	0	0	0	rno-miR-540-3p	-0.36	-0.36	N/A
SLC26A11	ENST00000361193.3	solute carrier family 26 (anion exchanger), member 11	115	1	1	0	0	0	0	rno-miR-540-3p	-0.35	-0.35	N/A
SEPT3	ENST00000396425.3	septin 3	241	3	0	2	1	0	0	rno-miR-540-3p	-0.35	-0.35	N/A
OPA3	ENST0000026375.4	optic atrophy 3 (autosomal recessive, with chorea and spastic paraplegia)	137	2	0	2	0	1	1	rno-miR-540-3p	-0.35	-0.45	N/A
PPEF1	ENST00000543630.1	protein phosphatase, EF-hand calcium binding domain 1	9	1	0	1	0	1	0	rno-miR-540-3p	-0.35	-0.35	N/A
GAL3ST4	ENST00000423751.1	galactose-3-O-sulfotransferase 4	33	1	0	0	1	1	1	rno-miR-540-3p	-0.35	-0.35	N/A
LRIG2	ENST00000361127.5	leucine-rich repeats and immunoglobulin-like domains 2	348	1	1	0	0	0	0	rno-miR-540-3p	-0.35	-0.35	N/A
KRTAP10-6	ENST00000400368.1	keratin associated protein 10-6	5	1	0	1	0	0	0	rno-miR-540-3p	-0.35	-0.35	N/A
SERGF	ENST00000528200.1	secretion regulating guanine nucleotide exchange factor	91	1	0	1	0	0	0	rno-miR-540-3p	-0.35	-0.35	N/A
LGALS9C	ENST00000328114.6	lectin, galactoside-binding, soluble, 9C	5	1	0	1	0	1	1	rno-miR-540-3p	-0.35	-0.35	N/A
RCBTB2	ENST0000044532.3	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	96	1	1	0	0	0	0	rno-miR-540-3p	-0.35	-0.35	N/A
UBXN1	ENST00000294119.2	UBX domain protein 1	48	1	0	1	0	0	0	rno-miR-540-3p	-0.35	-0.35	N/A
RASSF4	ENST00000374417.2	Ras association (RalGDS/AF-6) domain family member 4	515	1	0	0	1	1	1	rno-miR-540-3p	-0.35	-0.35	N/A
TNFSF15	ENST00000374045.4	tumor necrosis factor (ligand) superfamily, member 15	29	2	0	1	1	1	0	rno-miR-540-3p	-0.35	-0.35	N/A
MEAF6	ENST00000373075.2	MYST/Esa1-associated factor 6	440	2	0	2	0	1	1	rno-miR-540-3p	-0.35	-0.65	N/A
RGS11	ENST00000397770.3	regulator of G-protein signaling 11	5	1	1	0	0	0	0	rno-miR-540-3p	-0.35	-0.35	N/A
ELMOD3	ENST00000315658.7	ELMO/CEP-12 domain containing 3	31	1	1	0	0	0	0	rno-miR-540-3p	-0.35	-0.35	N/A
NCCR1	ENST00000339852.4	non-specific cytotoxic cell receptor protein 1 homolog (zebrafish)	5	2	0	2	0	0	0	rno-miR-540-3p	-0.35	-0.35	N/A
C2orf91	ENST00000378711.2	chromosome 2 open reading frame 91	5	1	1	0	0	0	0	rno-miR-540-3p	-0.35	-0.35	N/A
LYRM5	ENST00000556402.1	LYR motif containing 5	40	1	0	0	1	0	1	rno-miR-540-3p	-0.35	-0.35	N/A
ANXA8L1	ENST00000358140.4	annexin A8-like 1	5	1	0	1	0	2	2	rno-miR-540-3p	-0.35	-0.35	N/A
EPHB3	ENST0000030394.2	EPH receptor B3	16	2	1	1	0	0	0	rno-miR-540-3p	-0.34	-0.34	N/A
OSBP5	ENST00000478260.1	oxysterol binding protein-like 5	215	1	0	0	1	2	2	rno-miR-540-3p	-0.34	-0.37	N/A
C12orf23	ENST00000548125.1	chromosome 12 open reading frame 23	602	2	0	2	0	0	0	rno-miR-540-3p	-0.34	-0.52	N/A
BLOC1S3	ENST00000433642.2	biogenesis of lysosomal organelles complex-1, subunit 3	182	1	0	1	0	0	0	rno-miR-540-3p	-0.34	-0.36	N/A
GTPBP1	ENST00000216044.5	GTP binding protein 1	1765	2	0	0	2	2	2	rno-miR-540-3p	-0.34	-0.35	N/A
PHF1	ENST00000374512.3	PHD finger protein 1	19	1	0	1	0	2	2	rno-miR-540-3p	-0.34	-0.34	N/A
MYEOV	ENST00000308946.3	myeloma overexpressed	14	1	0	0	1	0	1	rno-miR-540-3p	-0.34	-0.34	N/A
MCU	ENST00000373053.3	mitochondrial calcium uniporter	2421	1	1	0	0	0	0	rno-miR-540-3p	-0.34	-0.34	N/A
CLP1	ENST00000533682.1	cleavage and polyadenylation factor I subunit 1	208	1	1	0	0	0	0	rno-miR-540-3p	-0.34	-0.34	N/A
VANGL2	ENST00000368061.2	VANGL planar cell polarity protein 2	560	4	1	2	1	1	1	rno-miR-540-3p	-0.34	-0.34	N/A
PALLD	ENST00000261509.6	palladin, cytoskeletal associated protein	4423	2	2	0	0	0	0	rno-miR-540-3p	-0.34	-0.34	N/A
UBXN10	ENST00000375099.3	UBX domain protein 10	5	4	1	1	2	0	0	rno-miR-540-3p	-0.34	-0.34	N/A
DGKD	ENST00000264057.2	diacylglycerol kinase, delta 130kDa	200	1	0	1	1	1	1	rno-miR-540-3p	-0.34	-0.34	N/A
SLC35F1	ENST00000360388.4	solute carrier family 35, member F1	56	1	0	0	1	1	1	rno-miR-540-3p	-0.34	-0.34	N/A
SLC7A2	ENST00000494857.1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	1233	1	1	0	0	1	1	rno-miR-540-3p	-0.34	-0.35	N/A
ANXA8	ENST00000357718.4	annexin A8	5	1	0	1	0	2	2	rno-miR-540-3p	-0.34	-0.34	N/A
GOLGA7B	ENST00000370602.1	golgin A7 family, member B	5	1	0	1	0	1	1	rno-miR-540-3p	-0.34	-0.34	N/A
ANXA8L2	ENST00000340243.6	annexin A8-like 2	5	1	0	1	0	2	2	rno-miR-540-3p	-0.34	-0.34	N/A
PKLR	ENST00000392414.3	pyruvate kinase, liver and RBC	112	1	0	1	0	0	0	rno-miR-540-3p	-0.34	-0.34	N/A
LYRM4	ENST00000330636.4	LYR motif containing 4	796	1	0	0	1	0	1	rno-miR-540-3p	-0.34	-0.34	N/A
KCTD5	ENST00000301738.4	potassium channel tetramerization domain containing 5	2296	1	0	0	1	2	2	rno-miR-540-3p	-0.33	-0.34	N/A
AC110619.2	ENST00000404891.1	Uncharacterized protein	5	1	0	0	1	1	1	rno-miR-540-3p	-0.33	-0.33	N/A
SCNN1D	ENST00000400928.3	sodium channel, non-voltage-gated 1, delta subunit	114	1	0	1	0	1	1	rno-miR-540-3p	-0.33	-0.33	N/A
SPRED3	ENST00000587013.1	sprouly-related, EVH1 domain containing 3	42	1	1	0	0	2	2	rno-miR-540-3p	-0.33	-0.39	N/A
BPIFC	ENST00000397452.1	BPI fold containing family C	5	1	1	0	0	0	0	rno-miR-540-3p	-0.33	-0.33	N/A
STMND1	ENST00000536551.1	stathmin domain containing 1	45	1	0	1	0	0	0	rno-miR-540-3p	-0.33	-0.33	N/A
GIP	ENST00000357424.2	gastric inhibitory polypeptide	32	1	0	1	0	0	0	rno-miR-540-3p	-0.33	-0.33	N/A
TMSB4X	ENST00000451311.2	thymosin beta 4, X-linked	5	1	0	0	1	0	1	rno-miR-540-3p	-0.33	-0.33	N/A
KMT2E	ENST00000334877.4	lysine (K)-specific methyltransferase 2E	654	2	2	0	0	0	0	rno-miR-540-3p	-0.33	-0.46	N/A
ASCC2	ENST00000307790.3	activating signal cointegrator 1 complex subunit 2	139	1	0	1	0	0	0	rno-miR-540-3p	-0.33	-0.34	N/A
MICU3	ENST00000318063.5	mitochondrial calcium uptake family, member 3	9	1	1	0	0	0	0	rno-miR-540-3p	-0.33	-0.33	N/A
CXCR4	ENST00000409817.1	chemokine (C-X-C motif) receptor 4	14	1	0	0	1	0	1	rno-miR-540-3p	-0.33	-0.33	N/A
AC104841.2	ENST00000601871.1	HCG177198, isoform CRA_a; PRO2900; Uncharacterized protein	5	2	0	0	1	1	0	rno-miR-540-3p	-0.33	-0.33	N/A
CTDSP1.2	ENST00000260327.4	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase like 2	457	3	0	2	1	1	0	rno-miR-540-3p	-0.33	-0.4	N/A
PDZK1IP1	ENST00000294338.2	PDZK1 interacting protein 1	37	1	0	1	0	1	0	rno-miR-540-3p	-0.33	-0.36	N/A
HAPLN2	ENST00000255039.1	hyaluronan and proteoglycan link protein 2	5	1	0	0	1	0	1	rno-miR-540-3p	-0.33	-0.33	N/A
ADORA2A	ENST0000037559.7	adenosine A2a receptor	357	1	1	0	0	0	0	rno-miR-540-3p	-0.33	-0.33	N/A
PRSS33	ENST00000576886.1	protease, serine, 33	5	1	0	1	0	1	0	rno-miR-540-3p	-0.33	-0.33	N/A
ABHD12B	ENST00000353130.1	abhydrolase domain containing 12B	5	1	0	1	0	0	0	rno-miR-540-3p	-0.33	-0.33	N/A
FMOD	ENST00000354955.4	fibromodulin	207	2	0	0	2	0	2	rno-miR-540-3p	-0.33	-0.33	N/A
ST13	ENST00000216218.3	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	83	2	0	0	2	0	0	rno-miR-540-3p	-0.33	-0.36	N/A
BCAS1	ENST00000371440.3	breast carcinoma amplifying sequence 1	0	3	1	0	2	0	2	rno-miR-540-3p	-0.33	-0.33	N/A
CTSD	ENST00000236671.2	cathepsin D	2057	1	1</								

TCTEXID2	ENST0000032518.5	Tetx1 domain containing 2	3633	1	0	0	1	0	rno-miR-540-3p	-0.32	-0.32	N/A
PIGG	ENST00000296306.7	phosphatidylinositol glycan anchor biosynthesis, class G	487	1	1	0	0	0	rno-miR-540-3p	-0.32	-0.32	N/A
C1orf82	ENST00000528759.1	chromosome 11 open reading frame 82	579	1	0	0	1	1	rno-miR-540-3p	-0.32	-0.32	N/A
LBP	ENST00000217407.2	lipopolysaccharide binding protein	104	1	0	1	0	1	rno-miR-540-3p	-0.32	-0.32	N/A
CHD2	ENST00000394196.4	chromodomain helicase DNA binding protein 2	1237	2	0	1	1	1	rno-miR-540-3p	-0.32	-0.32	N/A
KCNK9	ENST00000305015.1	potassium channel, subfamily K, member 9	5	1	0	1	0	0	rno-miR-540-3p	-0.32	-0.32	N/A
IL17RD	ENST00000296318.7	interleukin 17 receptor D	108	2	1	0	1	0	rno-miR-540-3p	-0.32	-0.32	N/A
ARHGAP31	ENST00000264245.4	Rho GTPase activating protein 31	32	2	2	0	0	0	rno-miR-540-3p	-0.32	-0.32	N/A
NAP1L2	ENST00000375173.7	nucleosome assembly protein 1-like 2	5	1	0	1	0	0	rno-miR-540-3p	-0.32	-0.32	N/A
ENTPD7	ENST00000370489.4	ectonucleoside triphosphate diphosphohydrolase 7	136	2	1	0	1	1	rno-miR-540-3p	-0.32	-0.45	N/A
PDE3B	ENST00000282096.4	phosphodiesterase 3B, cGMP-inhibited	258	1	0	0	1	1	rno-miR-540-3p	-0.32	-0.32	N/A
SIDT1	ENST00000264852.4	SID1 transmembrane family, member 1	5	1	1	0	0	2	rno-miR-540-3p	-0.32	-0.32	N/A
SLC12A9	ENST00000354161.3	solute carrier family 12, member 9	228	1	0	0	1	0	rno-miR-540-3p	-0.32	-0.32	N/A
MAST1	ENST00000591495.1	microtubule associated serine/threonine kinase 1	40	1	1	0	0	0	rno-miR-540-3p	-0.31	-0.7	N/A
CERK	ENST00000216264.8	ceramide kinase	123	2	0	1	1	1	rno-miR-540-3p	-0.31	-0.32	N/A
FCN1	ENST00000371806.3	ficolin (collagen/fibrinogen domain containing) 1	5	1	0	1	0	0	rno-miR-540-3p	-0.31	-0.31	N/A
ACSBG1	ENST00000258873.4	acyl-CoA synthetase bubblegum family member 1	5	2	0	0	2	0	rno-miR-540-3p	-0.31	-0.31	N/A
RPL17-C1orf32	ENST00000584895.1	RPL17-C1orf32 readthrough	733	1	0	1	0	0	rno-miR-540-3p	-0.31	-0.33	N/A
LRRC36	ENST00000290940.7	leucine rich repeat containing 36	5	1	0	0	1	1	rno-miR-540-3p	-0.31	-0.31	N/A
NAA60	ENST00000610180.1	N-alpha-acetyltransferase 60	1339	1	0	1	0	1	rno-miR-540-3p	-0.31	-0.31	N/A
CTD-2267D19.3	ENST00000578774.1	Uncharacterized protein	110	1	1	0	0	0	rno-miR-540-3p	-0.31	-0.33	N/A
NF2	ENST00000347330.5	neurofibromin 2 (merlin)	828	3	0	3	0	1	rno-miR-540-3p	-0.31	-0.37	N/A
DGKQ	ENST00000273814.3	diacylglycerol kinase, theta 110kDa	184	2	0	0	2	0	rno-miR-540-3p	-0.31	-0.31	N/A
BRI3BP	ENST00000341446.8	BRI3 binding protein	820	2	0	0	2	0	rno-miR-540-3p	-0.31	-0.36	N/A
GPX8	ENST00000296734.6	glutathione peroxidase 8 (putative)	2107	1	0	0	1	0	rno-miR-540-3p	-0.31	-0.31	N/A
NINJ1	ENST00000375446.4	ninjulin 1	1216	1	0	1	0	2	rno-miR-540-3p	-0.31	-0.41	N/A
RASSF2	ENST00000379400.3	Ras association (RalGDS/AF-6) domain family member 2	88	2	0	1	1	1	rno-miR-540-3p	-0.31	-0.32	N/A
EDNRA	ENST00000339690.5	endothelin receptor type A	35	1	1	0	0	0	rno-miR-540-3p	-0.31	-0.31	N/A
GORASP1	ENST00000319283.3	golgi reassembly stacking protein 1, 65kDa	102	1	0	1	0	1	rno-miR-540-3p	-0.31	-0.42	N/A
PPHLN1	ENST00000449194.2	periplanin 1	1823	1	0	0	1	0	rno-miR-540-3p	-0.31	-0.31	N/A
RDH10	ENST00000240285.5	retinol dehydrogenase 10 (all-trans)	640	1	1	0	0	1	rno-miR-540-3p	-0.31	-0.31	N/A
LPP	ENST00000312675.4	LIM domain containing preferred translocation partner in lipoma	1894	2	0	1	1	1	rno-miR-540-3p	-0.31	-0.31	N/A
ZBTB45	ENST00000354590.3	zinc finger and BTB domain containing 45	512	1	0	1	0	1	rno-miR-540-3p	-0.31	-0.31	N/A
TACR3	ENST00000304883.2	tachykinin receptor 3	5	1	1	0	0	0	rno-miR-540-3p	-0.31	-0.31	N/A
LGALS9	ENST00000413914.2	lectin, galactoside-binding, soluble, 9	5	1	0	1	0	1	rno-miR-540-3p	-0.31	-0.31	N/A
TUBB6	ENST00000591208.1	tubulin, beta class V	5820	1	0	0	1	1	rno-miR-540-3p	-0.31	-0.31	N/A
STARD8	ENST00000252336.6	STAR-related lipid transfer (START) domain containing 8	29	2	0	1	1	1	rno-miR-540-3p	-0.31	-0.31	N/A
GDF11	ENST00000257868.5	growth differentiation factor 11	847	2	0	0	2	2	rno-miR-540-3p	-0.31	-0.36	N/A
TM9SF1	ENST00000530611.1	Transmembrane 9 superfamily member 1	555	1	0	1	0	0	rno-miR-540-3p	-0.31	-0.31	N/A
ARMC10	ENST00000323716.3	armadillo repeat containing 10	147	1	1	0	0	0	rno-miR-540-3p	-0.31	-0.54	N/A
GRIN2D	ENST00000263269.3	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	75	2	0	2	0	1	rno-miR-540-3p	-0.31	-0.31	N/A
AKAP5	ENST00000394718.4	A kinase (PRKA) anchor protein 5	5	1	1	0	0	1	rno-miR-540-3p	-0.31	-0.34	N/A
CTB-96E2.2	ENST00000555059.2	Uncharacterized protein	5	1	0	1	0	0	rno-miR-540-3p	-0.31	-0.31	N/A
CEP41	ENST00000223208.5	centrosomal protein 41kDa	346	1	0	0	1	1	rno-miR-540-3p	-0.31	-0.45	N/A
PPP1R3G	ENST00000405617.2	protein phosphatase 1, regulatory subunit 3G	29	2	0	1	1	0	rno-miR-540-3p	-0.3	-0.3	N/A
SPRY3	ENST00000302805.2	sprouty homolog 3 (Drosophila)	5	2	0	0	2	0	rno-miR-540-3p	-0.3	-0.3	N/A
HES1	ENST00000232424.3	hairy and enhancer of split 1, (Drosophila)	199	1	0	0	1	0	rno-miR-540-3p	-0.3	-0.3	N/A
FADS2	ENST00000257261.6	fatty acid desaturase 2	285	1	1	0	0	0	rno-miR-540-3p	-0.3	-0.31	N/A
RARG	ENST00000425354.2	retinoic acid receptor, gamma	21	1	0	0	1	1	rno-miR-540-3p	-0.3	-0.3	N/A
B3GALT2	ENST00000367344.4	UDP-Gal:betaGalNAc beta 1,3-galactosyltransferase, polypeptide 2	5	1	0	1	0	0	rno-miR-540-3p	-0.3	-0.3	N/A
IQGAP1	ENST00000268182.5	IQ motif containing GTPase activating protein 1	5523	4	1	3	0	0	rno-miR-540-3p	-0.3	-0.36	N/A
STON1	ENST00000309835.3	stonin 1	254	1	0	1	0	2	rno-miR-540-3p	-0.3	-0.31	N/A
PAR6G	ENST00000353265.3	par-6 family cell polarity regulator gamma	172	1	0	1	0	2	rno-miR-540-3p	-0.3	-0.3	N/A
AC119673.1	ENST00000598338.1	Uncharacterized protein	5	1	0	1	0	0	rno-miR-540-3p	-0.3	-0.3	N/A
GCLC	ENST00000229416.6	glutamate-cysteine ligase, catalytic subunit	1001	1	0	1	0	1	rno-miR-540-3p	-0.3	-0.32	N/A
NLRP3	ENST00000391828.3	NLR family, pyrin domain containing 3	5	1	0	0	1	0	rno-miR-540-3p	-0.3	-0.3	N/A
AQP1	ENST00000505904.1	Uncharacterized protein	5	1	0	0	1	0	rno-miR-540-3p	-0.3	-0.3	N/A
KLK10	ENST00000309958.3	kallikrein-related peptidase 10	5	2	0	2	0	1	rno-miR-540-3p	-0.3	-0.3	N/A
HHATL	ENST00000310417.5	hedgehog acyltransferase-like	5	1	0	0	1	0	rno-miR-540-3p	-0.3	-0.3	N/A
RPH3A	ENST00000415485.3	rabphilin 3A homolog (mouse)	5	1	0	1	0	0	rno-miR-540-3p	-0.3	-0.3	N/A
FBXO46	ENST00000317683.3	F-box protein 46	197	1	1	0	0	0	rno-miR-540-3p	-0.3	-0.32	N/A
CDHR1	ENST00000372117.3	cadherin-related family member 1	13	1	0	0	1	1	rno-miR-540-3p	-0.3	-0.3	N/A
STX10	ENST00000589083.1	syntaxin 10	389	1	0	1	0	1	rno-miR-540-3p	-0.3	-0.3	N/A
TRNP1	ENST00000522111.2	TMF1-regulated nuclear protein 1	4046	1	0	1	0	2	rno-miR-540-3p	-0.3	-0.36	N/A
FAM86A	ENST00000458008.4	family with sequence similarity 86, member A	5	1	1	0	0	0	rno-miR-540-3p	-0.3	-0.3	N/A
ADGB	ENST00000367493.3	androglobin	5	2	0	1	1	0	rno-miR-540-3p	-0.3	-0.3	N/A
CLNS1A	ENST00000525428.1	chloride channel, nucleotide-sensitive, 1A	553	1	0	1	0	0	rno-miR-540-3p	-0.3	-0.3	N/A
SWAP70	ENST00000318950.6	SWAP switching B-cell complex 70kDa subunit	492	2	1	0	1	0	rno-miR-540-3p	-0.3	-0.3	N/A
RAP1GAP2	ENST00000254695.8	RAP1 GTPase activating protein 2	123	2	0	2	0	2	rno-miR-540-3p	-0.3	-0.3	N/A
PRICKLE4	ENST00000458694.1	prickle homolog 4 (Drosophila)	5	1	0	1	0	0	rno-miR-540-3p	-0.3	-0.3	N/A
TMOD2	ENST00000249700.4	tropomodulin 2 (neuronal)	117	2	1	0	1	1	rno-miR-540-3p	-0.3	-0.35	N/A
TULP4	ENST00000367904.2	tubby like protein 4	93	2	0	1	1	1	rno-miR-540-3p	-0.3	-0.31	N/A
ANKRD13A	ENST00000261739.4	ankyrin repeat domain 13A	1644	1	1	0	0	1	rno-miR-540-3p	-0.3	-0.3	N/A
CRLF3	ENST00000324238.6	cytokine receptor-like factor 3	5	1	0	0	1	1	rno-miR-540-3p	-0.3	-0.3	N/A
C1orf27	ENST00000287859.6	chromosome 1 open reading frame 27	222	1	0	0	1	0	rno-miR-540-3p	-0.3	-0.3	N/A
CCL8	ENST00000394620.1	chemokine (C-C motif) ligand 8	5	1	0	1	0	0	rno-miR-540-3p	-0.3	-0.3	N/A
SOX4HD	ENST00000343905.3	sox4ohd ankyrin repeat domain family member D	12	1	0	0	1	1	rno-miR-540-3p	-0.3	-0.3	N/A
EFNA1	ENST00000368407.3	efnina-1	423	1	0	0	1	1	rno-miR-540-3p	-0.3	-0.3	N/A
TOM1L2	ENST00000581396.1	target of myb1-like 2 (chicken)	35	2	0	1	1	1	rno-miR-540-3p	-0.3	-0.3	N/A
NEK3	ENST00000339406.3	NIMA-related kinase 3	66	1	0	0	1	0	rno-miR-540-3p	-0.3	-0.3	N/A
PEX5L	ENST00000467460.1	peroxisomal biogenesis factor 5-like	5	2	0	1	1	1	rno-miR-540-3p	-0.3	-0.3	N/A
YIPF5	ENST00000274496.5	Yip1 domain family, member 5	594	1	0	1	0	1	rno-miR-540-3p	-0.3	-0.34	N/A
ANXA7	ENST00000372921.5	annexin A7	1433	1	0	0	1	0	rno-miR-540-3p	-0.29	-0.29	N/A
FAM180A	ENST00000338588.3	family with sequence similarity 180, member A	51	1	0	1	0	0	rno-miR-540-3p	-0.29	-0.29	N/A
TNFAIP1	ENST00000226252.2	tumor necrosis factor, alpha-induced protein 1 (endothelial)	1565	2	0	1	1	0	rno-miR-540-3p	-0.29	-0.31	N/A
LYZL6	ENST00000293274.4	lysozyme-like 6	5	1	0	0	1	0	rno-miR-540-3p	-0.29	-0.29	N/A
MED10	ENST00000255764.3	mediator complex subunit 10	760	1	0	1	0	0	rno-miR-540-3p	-0.29	-0.31	N/A
LTK	ENST00000355166.5	leukocyte receptor tyrosine kinase	5	1	0	1	0	0	rno-miR-540-3p	-0.29	-0.29	N/A
TCF25	ENST00000263347.7	transcription factor 25 (basic helix-loop-helix)	926	1	0	0	1	0	rno-miR-540-3p	-0.29	-0.3	N/A
CLTCL1	ENST00000353891.5	clathrin, heavy chain-like 1	89	1	0	0	1	0	rno-miR-540-3p	-0.29	-0.29	N/A
SMOC1	ENST00000381280.4	SPARC related modular calcium binding 1	2743	2	1	0	1	1	rno-miR-540-3p	-0.29	-0.67	N/A
FAM203A	ENST00000347708.4	family with sequence similarity 203, member A	5	1	1	0	0	0	rno-miR-540-3p	-0.29	-0.29	N/A
GAS2L1	ENST00000360113.2	growth arrest-specific 2 like 1	230	2	0	1	1	0	rno-miR-540-3p	-0.29	-0.29	N/A
STX12	ENST00000373943.4	syntaxin 12	1082	1	0	0	1	1	rno-miR-540-3p	-0.29	-0.29	N/A
SEMA6B	ENST00000301293.3	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	35	1	0	0	1	1	rno-miR-540-3p	-0.29	-0.29	N/A
TTC31	ENST00000410003.1	tetratricopeptide repeat domain 31	132	1	0	1	0	0	rno-miR-540-3p	-0.29	-0.32	N/A
RAC1	ENST00000348035.4	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	739	1	0	1	0	1	rno-miR-540-3p	-0.29	-0.3	N/A
PRAF2	ENST00000376390.4	PRA1 domain family, member 2	1921	1	0	0	1	1	rno-miR-540-3p	-0.29	-0.29	N/A
FOXP2	ENST00000408937.3	forkhead box P2	169	1	0	0	1	1	rno-miR-54			

DEK	ENST00000397239.3	DEK oncogene	561	1	1	0	0	0	0	rno-miR-540-3p	-0.28	-0.4	N/A
RUSC1	ENST00000368352.5	RUN and SH3 domain containing 1	909	1	0	0	0	1	0	rno-miR-540-3p	-0.28	-0.28	N/A
TPD52L3	ENST00000344545.5	tumor protein D52-like 3	5	1	0	0	0	1	0	rno-miR-540-3p	-0.28	-0.28	N/A
RABGAP1L	ENST00000489615.1	RAB GTPase activating protein 1-like	364	1	0	0	1	1	0	rno-miR-540-3p	-0.28	-0.28	N/A
AI138847.1	ENST00000593719.1	CDNA FLJ26506 fis. clone KDN07105; Uncharacterized protein	5	1	0	0	0	1	0	rno-miR-540-3p	-0.28	-0.28	N/A
KCNK13	ENST00000282146.4	potassium channel, subfamily K, member 13	11	1	0	0	1	0	0	rno-miR-540-3p	-0.28	-0.28	N/A
THSD7B	ENST00000409968.1	thrombospondin, type 1, domain containing 7B	5	1	0	0	1	0	0	rno-miR-540-3p	-0.28	-0.28	N/A
ALOX12	ENST00000251535.6	arachidonate 12-lipoxygenase	5	1	0	0	1	0	0	rno-miR-540-3p	-0.28	-0.28	N/A
CLMP	ENST00000448775.2	CXADR-like membrane protein	212	1	1	0	0	0	0	rno-miR-540-3p	-0.28	-0.28	N/A
SLC9B2	ENST00000503103.1	solute carrier family 9, subfamily B (NHA2, cation proton antiporter 2), member 2	22	1	0	0	0	1	0	rno-miR-540-3p	-0.28	-0.28	N/A
SOX1	ENST00000330949.1	SRY (sex determining region Y)-box 1	5	1	0	0	0	1	1	rno-miR-540-3p	-0.28	-0.28	N/A
GP2D	ENST00000540309.1	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	196	1	1	0	0	0	0	rno-miR-540-3p	-0.28	-0.28	N/A
SLC7A6	ENST00000219343.6	solute carrier family 7 (amino acid transporter light chain, y+L system), member 6	1044	2	1	1	0	0	1	rno-miR-540-3p	-0.28	-0.41	N/A
CL5orf52	ENST00000397536.2	chromosome 15 open reading frame 52	14	2	1	1	0	1	0	rno-miR-540-3p	-0.28	-0.28	N/A
MBD6	ENST00000356733.3	methyl-CpG binding domain protein 6	24	2	0	0	1	1	0	rno-miR-540-3p	-0.28	-0.28	N/A
CI0orf55	ENST00000409178.1	chromosome 10 open reading frame 55	5	1	0	0	0	1	1	rno-miR-540-3p	-0.28	-0.28	N/A
TNFSF8	ENST00000223795.2	tumor necrosis factor (ligand) superfamily, member 8	5	1	0	0	0	1	1	rno-miR-540-3p	-0.28	-0.28	N/A
ASF1B	ENST00000263382.3	anti-silencing function 1B histone chaperone	300	1	0	0	1	0	1	rno-miR-540-3p	-0.28	-0.28	N/A
PCDH1	ENST00000503492.1	protocadherin 1	30	2	0	2	0	4	0	rno-miR-540-3p	-0.28	-0.33	N/A
DND1	ENST00000542735.1	DND microRNA-mediated repression inhibitor 1	5	1	0	1	0	0	0	rno-miR-540-3p	-0.28	-0.28	N/A
MYO7A	ENST00000409709.3	myosin VIIA	64	2	0	0	1	1	0	rno-miR-540-3p	-0.28	-0.28	N/A
CYP2S1	ENST00000310054.4	cytochrome P450, family 2, subfamily S, polypeptide 1	150	1	0	1	0	0	0	rno-miR-540-3p	-0.28	-0.28	N/A
PNMA2	ENST00000522362.2	paraneoplastic Ma antigen 2	362	1	0	0	0	1	1	rno-miR-540-3p	-0.28	-0.28	N/A
ADORA3	ENST00000369716.4	adenosine A3 receptor	5	2	0	0	1	1	0	rno-miR-540-3p	-0.28	-0.51	N/A
R3HDM4	ENST00000361574.5	R3H domain containing 4	123	1	0	1	0	2	0	rno-miR-540-3p	-0.28	-0.28	N/A
LMAN2L	ENST00000264963.4	lectin, mannose-binding 2-like	355	1	1	0	0	0	0	rno-miR-540-3p	-0.28	-0.29	N/A
PLIN2	ENST00000411567.1	perilipin 2	887	1	0	0	0	1	0	rno-miR-540-3p	-0.28	-0.28	N/A
RAI14	ENST00000265109.3	retinoic acid induced 14	2228	2	0	0	0	2	0	rno-miR-540-3p	-0.27	-0.28	N/A
PIP4K2C	ENST00000354947.5	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	457	1	0	0	0	0	0	rno-miR-540-3p	-0.27	-0.3	N/A
PRIM2	ENST00000607273.1	primase, DNA, polypeptide 2 (58kDa)	32	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
CHRNA10	ENST00000250699.2	cholinergic receptor, nicotinic, alpha 10 (neuronal)	5	1	0	0	0	0	0	rno-miR-540-3p	-0.27	-0.27	N/A
Clorf61	ENST00000368243.1	chromosome 1 open reading frame 61	5	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
ARHGAP35	ENST00000404338.3	Rho GTPase activating protein 35	278	2	0	0	0	2	0	rno-miR-540-3p	-0.27	-0.27	N/A
RNF121	ENST00000393713.3	ring finger protein 121	610	1	1	0	0	0	0	rno-miR-540-3p	-0.27	-0.28	N/A
AKT3	ENST00000366539.1	v-akt murine thymoma viral oncogene homolog 3	168	2	1	0	0	1	1	rno-miR-540-3p	-0.27	-0.28	N/A
BTN2A2	ENST00000432533.2	butyrophilin, subfamily 2, member A2	125	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
GDI1	ENST00000447750.2	GDP dissociation inhibitor 1	21	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
TIMM22	ENST00000327158.4	translocase of inner mitochondrial membrane 22 homolog (yeast)	290	1	0	1	0	0	0	rno-miR-540-3p	-0.27	-0.27	N/A
CD74	ENST00000377799.3	CD74 molecule, major histocompatibility complex, class II invariant chain	168	1	0	1	0	0	0	rno-miR-540-3p	-0.27	-0.27	N/A
IL2RB	ENST00000216223.5	interleukin 2 receptor, beta	5	1	0	0	1	0	1	rno-miR-540-3p	-0.27	-0.27	N/A
SLC4A1AP	ENST00000326019.6	solute carrier family 4 (anion exchanger), member 1, adaptor protein	37	1	0	0	1	0	0	rno-miR-540-3p	-0.27	-0.27	N/A
IQCC	ENST00000265239.6	IQ motif containing G	122	1	0	1	0	0	0	rno-miR-540-3p	-0.27	-0.27	N/A
KREMEN2	ENST00000572045.1	kringle containing transmembrane protein 2	23	1	1	0	0	0	0	rno-miR-540-3p	-0.27	-0.27	N/A
RIMS2	ENST00000507740.1	regulating synaptic membrane exocytosis 2	8	2	0	0	1	1	1	rno-miR-540-3p	-0.27	-0.27	N/A
EFTUD2	ENST00000426333.2	elongation factor Tu GTP binding domain containing 2	3704	1	0	1	0	0	0	rno-miR-540-3p	-0.27	-0.27	N/A
SNAPC2	ENST00000221573.6	small nuclear RNA activating complex, polypeptide 2, 45kDa	257	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
TSPAN18	ENST00000340160.3	tetraspanin 18	332	1	0	0	0	1	1	rno-miR-540-3p	-0.27	-0.28	N/A
DNAH17-AS1	ENST00000598378.1	DNAH17 antisense RNA 1	23	1	0	0	1	0	1	rno-miR-540-3p	-0.27	-0.36	N/A
UPF2	ENST00000356352.2	UPF2 regulator of nonsense transcripts homolog (yeast)	5	1	0	1	0	0	0	rno-miR-540-3p	-0.27	-0.27	N/A
ARTN	ENST00000372359.5	artemin	18	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
C3orf38	ENST00000486971.1	chromosome 3 open reading frame 38	683	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
ZCCHC5	ENST00000321110.1	zinc finger, CCHC domain containing 5	5	1	1	0	0	0	0	rno-miR-540-3p	-0.27	-0.27	N/A
RAB43	ENST00000476465.1	RAB43, member RAS oncogene family	5	1	0	0	0	1	1	rno-miR-540-3p	-0.27	-0.28	N/A
ANXA6	ENST00000354546.5	annexin A6	10462	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
CLPTM1	ENST00000337392.5	cleft lip and palate associated transmembrane protein 1	1113	1	0	0	0	1	1	rno-miR-540-3p	-0.27	-0.27	N/A
NMUR1	ENST00000305141.4	neuromedin U receptor 1	5	1	0	0	1	0	1	rno-miR-540-3p	-0.27	-0.27	N/A
KIF23	ENST00000559279.1	kinesin family member 23	140	1	0	0	1	0	0	rno-miR-540-3p	-0.27	-0.33	N/A
OMP	ENST00000529803.1	olfactory marker protein	9	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
ADCYAP1	ENST00000579799.1	adenylate cyclase activating polypeptide 1 (pituitary)	35	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
PARM1	ENST00000513238.1	prostate androgen-regulated mucin-like protein 1	161	1	0	0	0	1	1	rno-miR-540-3p	-0.27	-0.32	N/A
WDR45	ENST00000553851.1	WD repeat domain 45	1921	1	0	0	0	1	1	rno-miR-540-3p	-0.27	-0.27	N/A
AF196779.12	ENST00000376358.3	Uncharacterized protein; WD repeat domain phosphoinositide-interacting protein 4	1921	1	0	0	0	1	1	rno-miR-540-3p	-0.27	-0.27	N/A
FAM198B	ENST00000585682.1	family with sequence similarity 198, member B	25	1	1	0	0	0	0	rno-miR-540-3p	-0.27	-0.27	N/A
FUT6	ENST00000524754.1	fucosyltransferase 6 (alpha (1,3) fucosyltransferase)	45	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
PDE8B	ENST00000264917.5	phosphodiesterase 8B	186	2	1	1	0	0	3	rno-miR-540-3p	-0.27	-0.59	N/A
ENTPD5	ENST00000334696.6	ectonucleoside triphosphate diphosphohydrolase 5	105	1	0	0	1	0	0	rno-miR-540-3p	-0.27	-0.27	N/A
TMEM54	ENST00000373463.3	transmembrane protein 54	35	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
CSNK2A2	ENST00000262506.3	casein kinase 2, alpha prime polypeptide	99	1	0	0	0	1	1	rno-miR-540-3p	-0.27	-0.27	N/A
GBP5	ENST00000343435.5	guanylate binding protein 5	5	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
GMPPA	ENST00000358215.3	GDP-mannose pyrophosphorylase A	1133	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
DOK2	ENST00000276420.4	docking protein 2, 56kDa	5	1	0	0	1	0	0	rno-miR-540-3p	-0.27	-0.27	N/A
SPRN	ENST00000414069.2	shadow of prion protein homolog (zebrafish)	5	1	0	0	1	0	1	rno-miR-540-3p	-0.27	-0.27	N/A
CCDC8	ENST00000307522.3	coiled-coil domain containing 8	68	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.28	N/A
ATP2B4	ENST00000367218.3	ATPase, Ca++ transporting, plasma membrane 4	7311	2	0	0	0	2	0	rno-miR-540-3p	-0.27	-0.27	N/A
OAF	ENST00000328965.4	OAF homolog (Drosophila)	1447	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
ELMO3	ENST00000360833.1	engulfment and cell motility 3	80	1	0	0	0	1	0	rno-miR-540-3p	-0.27	-0.27	N/A
HIF1A	ENST00000323441.6	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	1955	2	0	0	1	1	1	rno-miR-540-3p	-0.27	-0.34	N/A
B3GALT4	ENST00000451237.1	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4	13	1	0	0	0	1	0	rno-miR-540-3p	-0.26	-0.26	N/A
PVRL2	ENST00000252484.4	poliovirus receptor-related 2 (herpesvirus entry mediator B)	494	1	0	0	0	1	0	rno-miR-540-3p	-0.26	-0.26	N/A
LAGE3	ENST00000407062.1	L antigen family, member 3	335	1	0	0	1	0	0	rno-miR-540-3p	-0.26	-0.26	N/A
CA4	ENST00000300900.4	carbonic anhydrase IV	80	1	0	0	1	0	0	rno-miR-540-3p	-0.26	-0.26	N/A
PTPLB	ENST00000383657.5	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	1275	1	0	0	0	0	0	rno-miR-540-3p	-0.26	-0.26	N/A
GYPA	ENST00000360771.4	glycophorin A (MNS blood group)	5	1	0	0	1	0	0	rno-miR-540-3p	-0.26	-0.26	N/A
RHOG	ENST00000351018.4	ras homolog family member G	58	1	0	0	0	1	0	rno-miR-540-3p	-0.26	-0.26	N/A
NCS1	ENST00000372398.3	neuronal calcium sensor 1	1083	1	0	0	0	1	0	rno-miR-540-3p	-0.26	-0.27	N/A
MYO1A	ENST00000300119.3	myosin IA	106	1	1	0	0	0	0	rno-miR-540-3p	-0.26	-0.26	N/A
CEP290	ENST00000547691.2	centrosomal protein 290kDa	10	1	0	0	1	0	0	rno-miR-540-3p	-0.26	-0.26	N/A
SH3BGRL	ENST00000373212.5	SH3 domain binding glutamic acid-rich protein like	2034	1	0	0	0	1	2	rno-miR-540-3p	-0.26	-0.4	N/A
MPZL1	ENST00000474859.1	myelin protein zero-like 1	3146	1	1	0	0	0	0	rno-miR-540-3p	-0.26	-0.28	N/A
HMG20A	ENST00000336216.4	high mobility group 20A	391	1	0	0	1	0	0	rno-miR-540-3p	-0.26	-0.26	N/A
STAR3NL	ENST00000009041.7	STAR3 N-terminal like	1911	2	0	0	2	0	0	rno-miR-540-3p	-0.26	-0.4	N/A
KCNB1	ENST00000317141.4	potassium voltage-gated channel, Shab-related subfamily, member 1	5	4	0	0	3	1	2	rno-miR-540-3p	-0.26	-0.26	N/A
ARRDC3	ENST00000265138.3	arrestin domain containing 3	1313	2	0	1	1	0	1	rno-miR-540-3p	-0.26	-0.26	N/A

ELP4	ENST00000395934.2	elongator acetyltransferase complex subunit 4	282	1	0	1	0	0	0	rno-miR-540-3p	-0.26	-0.26	N/A
TM6SF1	ENST00000379390.6	transmembrane 6 superfamily member 1	211	1	0	1	0	0	0	rno-miR-540-3p	-0.26	-0.26	N/A
REEP2	ENST00000254901.5	receptor accessory protein 2	606	1	0	0	1	1	1	rno-miR-540-3p	-0.26	-0.26	N/A
ZNF436	ENST00000314011.4	zinc finger protein 436	73	1	0	1	0	1	1	rno-miR-540-3p	-0.26	-0.26	N/A
ATP5E	ENST00000243997.3	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit	575	2	0	0	2	0	0	rno-miR-540-3p	-0.25	-0.42	N/A
MANEA	ENST00000358812.4	mannosidase, endo-alpha	41	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.28	N/A
APEH	ENST00000296456.5	acylaminoacyl-peptide hydrolase	794	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
PCBD2	ENST00000512783.1	pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	95	1	0	0	1	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
BTC	ENST00000395743.3	betacellulin	12	2	0	0	2	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
C17orf103	ENST00000468196.1	chromosome 17 open reading frame 103	54	1	0	0	1	1	1	rno-miR-540-3p	-0.25	-0.25	N/A
USH1G	ENST00000319642.1	Usher syndrome 1G (autosomal recessive)	5	1	0	0	1	1	1	rno-miR-540-3p	-0.25	-0.25	N/A
ANO1	ENST00000355303.5	anoctamin 1, calcium activated chloride channel	78	1	1	0	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
CXCL1	ENST00000395761.3	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	5	1	0	0	1	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
ZC3H7A	ENST00000396516.2	zinc finger CCCH-type containing 7A	1071	1	0	0	1	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
CEP57L1	ENST00000368968.2	centrosomal protein 57kDa-like 1	90	1	0	1	0	1	1	rno-miR-540-3p	-0.25	-0.29	N/A
TEF	ENST00000266304.4	thyrotrophic embryonic factor	60	2	1	1	0	0	0	rno-miR-540-3p	-0.25	-0.27	N/A
POU3F1	ENST00000375012.2	POU class 3 homeobox 1	9	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
CCDC180	ENST00000395220.1	coiled-coil domain containing 180	10	2	0	0	2	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
CLQNTF1	ENST00000392445.2	Clq and tumor necrosis factor related protein 1	74	1	0	1	0	1	1	rno-miR-540-3p	-0.25	-0.25	N/A
GPCPD1	ENST00000379019.4	glycerophosphocholine phosphodiesterase GDE1 homolog (S. cerevisiae)	155	1	0	0	1	1	1	rno-miR-540-3p	-0.25	-0.25	N/A
DGCR2	ENST00000545799.1	DiGeorge syndrome critical region gene 2	1754	1	0	1	0	1	1	rno-miR-540-3p	-0.25	-0.27	N/A
TMBIM1	ENST00000258412.3	transmembrane BAX inhibitor motif containing 1	2201	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
RAB11FIP4	ENST00000325874.8	RAB11 family interacting protein 4 (class II)	169	1	1	0	0	0	0	rno-miR-540-3p	-0.25	-0.26	N/A
SLIT3	ENST00000519560.1	slit homolog 3 (Drosophila)	13	2	2	0	0	0	1	rno-miR-540-3p	-0.25	-0.31	N/A
TMEM14C	ENST00000229563.5	transmembrane protein 14C	62	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
Clorf74	ENST00000294811.1	chromosome 1 open reading frame 74	5	1	0	0	1	0	1	rno-miR-540-3p	-0.25	-0.25	N/A
SLC25A26	ENST00000544883.6	solute carrier family 25 (S-adenosylmethionine carrier), member 26	1791	2	1	1	0	1	1	rno-miR-540-3p	-0.25	-0.67	N/A
NLUDFAAL2	ENST00000556732.1	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4-like 2	10	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
TMEM154	ENST00000304383.3	transmembrane protein 154	5	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
FAM221B	ENST00000423537.2	family with sequence similarity 221, member B	5	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
ELL2	ENST00000237853.4	elongation factor, RNA polymerase II, 2	397	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
HS6ST3	ENST00000376705.2	heparan sulfate 6-O-sulfotransferase 3	598	1	1	0	0	1	1	rno-miR-540-3p	-0.25	-0.25	N/A
RIMKB	ENST00000357529.3	ribosomal modification protein rimK-like family member B	164	2	0	0	2	0	0	rno-miR-540-3p	-0.25	-0.34	N/A
CEPB3	ENST00000412050.4	cytoplasmic polyadenylation element binding protein 3	48	2	1	0	1	0	1	rno-miR-540-3p	-0.25	-0.25	N/A
RND2	ENST00000544533.1	Rho family GTPase 2	26	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
MSH1	ENST00000257552.2	musashi RNA-binding protein 1	287	1	0	1	0	1	1	rno-miR-540-3p	-0.25	-0.25	N/A
FLJ45079	ENST00000374983.2		5	1	0	0	1	2	1	rno-miR-540-3p	-0.25	-0.25	N/A
CS	ENST00000548567.1	citrate synthase	52	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
PRRG3	ENST00000370353.3	proline rich Gla (G-carboxyglutamic acid) 3 (transmembrane)	5	2	0	1	1	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
SREK1	ENST00000341216.6	splicing regulatory glutamine/lysine-rich protein 1	316	1	0	0	1	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
FNBP4	ENST00000263773.5	formin binding protein 4	91	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
SLC26A10	ENST00000379218.2	solute carrier family 26, member 10	25	1	1	0	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
MAP2K5	ENST00000178640.5	mitogen-activated protein kinase kinase 5	406	1	0	0	1	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
FAM189A1	ENST00000261275.4	family with sequence similarity 189, member A1	12	1	0	1	0	2	1	rno-miR-540-3p	-0.25	-0.25	N/A
BBC3	ENST00000341983.4	BCL2 binding component 3	87	1	0	0	1	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
DIRAS2	ENST00000375765.3	DIRAS family, GTP-binding RAS-like 2	5	1	0	0	1	1	1	rno-miR-540-3p	-0.25	-0.25	N/A
TREML1	ENST00000375127.4	triggering receptor expressed on myeloid cells-like 1	5	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
PP1F	ENST00000394579.3	peptidylprolyl isomerase F	9304	1	0	0	1	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
OXNAD1	ENST00000285083.5	oxidoreductase NAD-binding domain containing 1	230	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.28	N/A
PQLC1	ENST00000590381.1	PQ loop repeat containing 1	1060	1	0	0	1	1	1	rno-miR-540-3p	-0.25	-0.3	N/A
DCAF15	ENST00000254337.6	DDB1 and CUL4 associated factor 15	304	1	0	1	0	0	0	rno-miR-540-3p	-0.25	-0.35	N/A
ATN1	ENST00000356654.4	atrophin 1	187	1	0	0	1	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
FBXO10	ENST00000432825.2	F-box protein 10	14	1	1	0	0	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
ERLEC1	ENST00000185150.4	endoplasmic reticulum lectin 1	4397	1	0	0	1	0	0	rno-miR-540-3p	-0.25	-0.25	N/A
IFNLR1	ENST0000037575.2	interferon, lambda receptor 1	15	2	0	0	2	0	0	rno-miR-540-3p	-0.25	-0.29	N/A
PCYT1A	ENST00000292823.2	phosphate cytidylyltransferase 1, choline, alpha	731	2	1	0	1	0	0	rno-miR-540-3p	-0.25	-0.31	N/A
KIAA0226	ENST0000027582.5	KIAA0226	89	1	0	0	1	2	1	rno-miR-540-3p	-0.25	-0.31	N/A
BTN2A1	ENST00000429381.1	butyrophilin, subfamily 2, member A1	839	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
CPLX2	ENST00000359546.4	complexin 2	5	1	0	0	1	1	1	rno-miR-540-3p	-0.24	-0.24	N/A
SRA1	ENST00000336283.6	steroid receptor RNA activator 1	1775	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
MED19	ENST00000337672.2	mediator complex subunit 19	25	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
G3BP1	ENST00000394123.3	GTPase activating protein (SH3 domain) binding protein 1	688	2	0	1	1	1	1	rno-miR-540-3p	-0.24	-0.29	N/A
PRR5L	ENST00000527487.1	proline rich 5 like	238	1	0	0	1	1	1	rno-miR-540-3p	-0.24	-0.27	N/A
ARGLU1	ENST00000400198.3	arginine and glutamate rich 1	9450	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
IMJID4	ENST00000366758.3	jamonji domain containing 4	1570	1	0	1	0	0	0	rno-miR-540-3p	-0.24	-0.29	N/A
FAM154A	ENST00000380530.1	family with sequence similarity 154, member A	5	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
CIQTNF5	ENST00000528368.1	Clq and tumor necrosis factor related protein 5	5	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
IGDC33	ENST00000327987.4	immunoglobulin superfamily, DCC subclass, member 3	464	2	1	1	0	2	1	rno-miR-540-3p	-0.24	-0.24	N/A
KANK2	ENST00000586659.1	KN motif and ankyrin repeat domains 2	1735	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
IYD	ENST00000344419.3	iodotyrosine deiodinase	5	1	0	1	0	1	1	rno-miR-540-3p	-0.24	-0.24	N/A
MYOZ1	ENST00000359322.4	myozenin 1	5	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
GAR1	ENST00000394631.3	GAR1 ribonucleoprotein	82	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
SYP	ENST00000263233.4	synaptophysin	15	1	0	1	0	1	0	rno-miR-540-3p	-0.24	-0.24	N/A
MYO6	ENST00000369981.3	myosin VI	297	1	0	0	1	2	1	rno-miR-540-3p	-0.24	-0.29	N/A
BUD13	ENST00000375445.3	BUD13 homolog (S. cerevisiae)	57	1	0	1	0	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
RSPO1	ENST00000373059.1	R-spondin 1	5	1	1	0	0	1	1	rno-miR-540-3p	-0.24	-0.24	N/A
TRPM6	ENST00000360774.1	transient receptor potential cation channel, subfamily M, member 6	21	1	0	0	1	1	1	rno-miR-540-3p	-0.24	-0.24	N/A
LRRCS8	ENST00000295628.3	leucine rich repeat containing 58	940	1	1	0	0	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
GAD1	ENST00000358196.3	glutamate decarboxylase 1 (brain, 67kDa)	16	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
CAMK2N1	ENST00000375078.3	calcium/calmodulin-dependent protein kinase II inhibitor 1	6631	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
IL20	ENST00000367098.1	interleukin 20	5	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
GPR20	ENST00000377741.3	G protein-coupled receptor 20	34	2	1	0	1	0	0	rno-miR-540-3p	-0.24	-0.29	N/A
TAOK2	ENST00000308893.4	TAO kinase 2	136	1	0	1	0	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
DEF6	ENST00000316637.5	differentially expressed in FDPC 6 homolog (mouse)	35	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
FAM49A	ENST00000381323.3	family with sequence similarity 49, member A	38	1	0	1	0	1	1	rno-miR-540-3p	-0.24	-0.24	N/A
KRTAP1-5	ENST00000361883.5	keratin associated protein 1-5	67	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
AC004899.1	ENST00000596947.1	Uncharacterized protein	5	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
PLD5	ENST00000536534.2	phospholipase D family, member 5	5	1	0	0	1	2	1	rno-miR-540-3p	-0.24	-0.24	N/A
DYNLT1	ENST00000367088.1	dynein, light chain, Tctex-type 1	8	1	0	1	0	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
RHPN2	ENST00000254260.3	rhopilin, Rho GTPase binding protein 2	5	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
VAPP	ENST00000395803.3	VAMP (vesicle-associated membrane protein)-associated protein B and C	391	2	0	2	0	1	1	rno-miR-540-3p	-0.24	-0.27	N/A
JOSD2	ENST00000601423.1	Josephin domain containing 2	96	1	0	0	1	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
GBAS	ENST00000322090.3	glioblastoma amplified sequence	273	1	0	1	0	0	0	rno-miR-540-3p	-0.24	-0.24	N/A
C2orf73	ENST00000398634.2	chromosome 2 open reading frame 73	5	1	0	1	0						

SYPL2	ENST00000369872.3	synaptophysin-like 2	69	1	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A	
HMGXB4	ENST0000021606.5	HMG box domain containing 4	966	1	0	0	1	1	0	1	rno-miR-540-3p	-0.23	-0.23	N/A
EVIS	ENST00000370331.1	ecotropic viral integration site 5	172	1	1	0	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
GNQ2	ENST00000556752.1	guanine nucleotide binding protein (G protein), gamma 2	199	1	0	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
PDIK1L	ENST00000374271.4	PDLIM1 interacting kinase 1 like	5	1	1	0	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
DDIT4L	ENST00000273990.2	DNA-damage-inducible transcript 4-like	87	1	0	0	1	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
PEF1	ENST00000373703.4	penta-EF-hand domain containing 1	1094	1	0	0	0	1	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
C10orf11	ENST00000496424.2	chromosome 10 open reading frame 11	5	1	0	0	1	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
GMIP	ENST00000203556.4	GEM interacting protein	9	1	0	1	0	1	0	1	rno-miR-540-3p	-0.23	-0.23	N/A
SET	ENST00000372692.4	SET nuclear oncogene	763	1	0	1	0	0	2	0	rno-miR-540-3p	-0.23	-0.23	N/A
DNP1H	ENST00000393987.2	2'-deoxynucleoside 5'-phosphate N-hydrolase 1	1061	1	0	0	1	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
STAG1	ENST00000383202.2	stromal antigen 1	94	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
PAX5	ENST00000358127.4	paired box 5	5	2	1	0	0	1	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
FBLIM1	ENST00000375771.1	filamin binding LIM protein 1	581	1	1	0	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
DHX37	ENST00000344745.1	DEAH (Asp-Glu-Ala-His) box polypeptide 37	63	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
RNF150	ENST00000515673.2	ring finger protein 150	518	2	1	1	0	0	3	0	rno-miR-540-3p	-0.23	-0.32	N/A
TBL1X	ENST00000407597.2	transducin (beta)-like 1X-linked	125	2	0	1	1	1	1	0	rno-miR-540-3p	-0.23	-0.27	N/A
DIP2B	ENST00000301180.5	DIP2 disco-interacting protein 2 homolog B (Drosophila)	1613	2	1	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.24	N/A
EPHX1	ENST00000272167.5	epoxide hydrolase 1, microsomal (xenobiotic)	519	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
SYT16	ENST00000430451.2	synaptotagmin XVI	5	1	0	1	0	1	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
SYN1	ENST00000340666.4	synapsin 1	17	1	0	1	0	1	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
C10orf126	ENST00000375520.1	chromosome 10 open reading frame 126	5	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
CHD1	ENST00000284049.3	chromodomain helicase DNA binding protein 1	35	1	0	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
PNMAL2	ENST00000599531.1	paraneoplastic Ma antigen family-like 2	10	1	1	0	0	0	1	0	rno-miR-540-3p	-0.23	-0.25	N/A
RABEP1	ENST00000262477.6	rabaptin, RAB GTPase binding effector protein 1	1163	2	0	2	0	0	0	0	rno-miR-540-3p	-0.23	-0.28	N/A
CLDN11	ENST00000406474.3	claudin 11	1116	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
TTL	ENST00000253336.6	tubulin tyrosine ligase	442	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.32	N/A
TFRC	ENST00000540528.1	transferrin receptor	296	1	0	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.24	N/A
KRT81	ENST00000327741.5	keratin 81	49	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
PRR3	ENST00000376560.3	proline rich 3	1145	2	0	2	0	0	1	0	rno-miR-540-3p	-0.23	-0.47	N/A
LRRRC1	ENST00000370888.1	leucine rich repeat containing 1	343	1	0	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
PCGF5	ENST00000336126.5	polycomb group ring finger 5	176	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
FCRLB	ENST00000336830.5	Fc receptor-like B	87	1	0	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.25	N/A
DGKE	ENST00000284063.3	diacylglycerol kinase, epsilon 64kDa	470	2	1	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.35	N/A
MTSS1L	ENST00000338779.6	metastasis suppressor 1-like	2982	2	0	1	1	1	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
NOCSL	ENST00000371361.3	nuclear complex associated 3 homolog (S. cerevisiae)	70	1	0	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.24	N/A
APIAR	ENST00000274000.5	adaptor-related protein complex 1 associated regulatory protein	89	1	0	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
ERLIN2	ENST00000276461.5	ER lipid raft associated 2	887	1	0	1	0	0	2	0	rno-miR-540-3p	-0.23	-0.29	N/A
CHUK	ENST00000307397.7	conserved helix-loop-helix ubiquitous kinase	18	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
RNF122	ENST00000256257.1	ring finger protein 122	16	1	0	1	0	1	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
AK2	ENST00000467905.1	adenylate kinase 2	3125	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
TMED10	ENST00000303575.4	transmembrane emp24-like trafficking protein 10 (yeast)	1753	1	0	1	0	1	0	1	rno-miR-540-3p	-0.23	-0.27	N/A
SLC25A47	ENST00000361529.3	solute carrier family 25, member 47	5	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
NKX3-1	ENST00000380871.4	NK3 homeobox 1	240	1	1	0	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
TBC1D16	ENST00000310924.2	TBC1 domain family, member 16	556	2	0	0	2	1	0	0	rno-miR-540-3p	-0.23	-0.27	N/A
PVRL1	ENST00000264025.3	poliovirus receptor-related 1 (herpesvirus entry mediator C)	50	3	0	1	2	3	0	0	rno-miR-540-3p	-0.23	-0.32	N/A
SASH3	ENST00000356892.3	SAM and SH3 domain containing 3	5	1	1	0	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
TCEA1	ENST00000396401.3	transcription elongation factor A (SII), I	20	1	0	0	1	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
SCARB1	ENST00000261693.6	scavenger receptor class B, member 1	186	1	0	0	0	1	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
CARD14	ENST00000378821.1	cardiac recruitment domain family, member 14	5	1	0	0	1	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
GRAMD4	ENST00000361034.3	GRAM domain containing 4	403	1	0	0	1	1	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
OTUD3	ENST00000375120.3	OTU domain containing 3	438	2	0	0	2	0	0	0	rno-miR-540-3p	-0.23	-0.24	N/A
OTX2	ENST00000339475.5	orthodenticle homeobox 2	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
LMO1	ENST00000335790.3	LIM domain only 1 (rhotobtin 1)	238	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
TPBGL	ENST00000562197.2	trophoblast glycoprotein-like	8	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
HMGCLL1	ENST00000274901.4	3-hydroxymethyl-3-methylglutaryl-CoA lyase-like 1	11	1	0	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
CABIN1	ENST00000263119.5	calcineurin binding protein 1	50	1	0	0	1	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
MPP5	ENST00000261681.4	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	354	1	0	0	1	0	1	0	rno-miR-540-3p	-0.23	-0.23	N/A
NXP2B	ENST00000372752.1	nuclear RNA export factor 2B	5	1	0	0	1	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
ANP32E	ENST00000533654.1	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	572	1	0	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.25	N/A
FSCN1	ENST00000382361.3	fascin homolog 1, actin-bundling protein (Strongylocentrotus purpuratus)	192	1	0	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
LPPR1	ENST00000374874.3	Lipid phosphate phosphatase-related protein type 1	19	1	0	1	0	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
SUMF2	ENST00000434526.2	sulfatase modifying factor 2	182	1	0	0	1	0	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
WWP1	ENST00000517970.1	WW domain containing E3 ubiquitin protein ligase 1	161	1	0	0	0	1	0	0	rno-miR-540-3p	-0.23	-0.23	N/A
FAM169A	ENST00000380515.3	family with sequence similarity 169, member A	90	1	0	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.25	N/A
STAU2	ENST00000522695.1	staufen double-stranded RNA binding protein 2	306	1	0	0	0	0	0	0	rno-miR-540-3p	-0.22	-0.28	N/A
SLC25A32	ENST00000297578.4	solute carrier family 25 (mitochondrial folate carrier), member 32	554	1	0	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.25	N/A
MMP20	ENST00000260228.2	matrix metalloproteinase 20	5	1	0	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
HMGXB3	ENST00000503427.1	HMG box domain containing 3	26	1	0	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
VPS11	ENST00000300793.6	vacuolar protein sorting 11 homolog (S. cerevisiae)	54	1	0	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
MUC5B	ENST00000447027.1	mucin 5B, oligomeric mucus/gel-forming	5	1	0	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
RNF6	ENST00000346166.3	ring finger protein (C3H2C3 type) 6	43	2	0	1	0	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
RAB15	ENST00000436278.2	RAB15, member RAS oncogene family	27	1	0	0	1	0	1	0	rno-miR-540-3p	-0.22	-0.26	N/A
IFNG	ENST00000229135.3	interferon, gamma	5	1	0	0	0	1	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
CXCL10	ENST00000306602.1	chemokine (C-X-C motif) ligand 10	5	1	0	0	0	1	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
PDXP	ENST00000215904.6	pyridoxal (pyridoxine, vitamin B6) phosphatase	58	1	0	1	0	1	0	0	rno-miR-540-3p	-0.22	-0.23	N/A
CMKLR1	ENST00000312143.7	chemokine-like receptor 1	5	2	0	0	0	2	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
SLC30A8	ENST00000427115.2	solute carrier family 30 (zinc transporter), member 8	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
IFI30	ENST00000407280.3	interferon, gamma-inducible protein 30	1011	1	0	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
AURKA	ENST00000395907.1	aurora kinase A	435	1	0	1	0	1	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
PRRG1	ENST00000378628.4	proline rich Gla (G-carboxyglutamic acid) 1	1122	1	0	1	0	0	0	0	rno-miR-540-3p	-0.22	-0.23	N/A
ABCC12	ENST00000416054.1	ATP-binding cassette, sub-family C (CFTR/MRP), member 12	5	2	0	0	2	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
PREP	ENST00000369110.3	prolyl endopeptidase	1155	1	0	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
CAMK2N2	ENST00000296238.3	calcium/calmodulin-dependent protein kinase II inhibitor 2	39	1	0	1	0	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
IGF2BP3	ENST00000258729.3	insulin-like growth factor 2 mRNA binding protein 3	13	1	0	0	1	0	2	0	rno-miR-540-3p	-0.22	-0.22	N/A
DNAH6	ENST00000389394.3	dynein, axonemal, heavy chain 6	30	1	0	1	0	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
ABCA10	ENST00000416101.2	ATP-binding cassette, sub-family A (ABCI), member 10	7	2	0	1	1	1	1	0	rno-miR-540-3p	-0.22	-0.22	N/A
ARF3	ENST00000256682.4	ADP-ribosylation factor 3	1093	1	0	1	0	0	1	0	rno-miR-540-3p	-0.22	-0.28	N/A
MOCOS	ENST00000261326.5	molybdenum cofactor sulfuryase	627	1	0	1	0	0	0	0	rno-miR-540-3p	-0.22	-0.23	N/A
HLA-DQA2	ENST00000374940.3	major histocompatibility complex, class II, DQ alpha 2	5	1	0	0	1	0	0					

IDH3A	ENST00000299518.2	isocitrate dehydrogenase 3 (NAD+) alpha	915	1	1	0	0	0	0	rno-miR-540-3p	-0.22	-0.3	N/A
VPS9D1	ENST00000561976.1	VPS9 domain containing 1	23	1	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
RP11-247C2.2	ENST00000563727.1	HCG200479; Uncharacterized protein	5	1	0	0	1	1	1	rno-miR-540-3p	-0.22	-0.22	N/A
CIQB	ENST00000509305.1	complement component 1, q subcomponent, B chain	5	1	0	0	0	1	0	rno-miR-540-3p	-0.22	-0.22	N/A
LIN9	ENST00000328205.5	lin-9 homolog (C. elegans)	139	1	0	0	1	1	1	rno-miR-540-3p	-0.22	-0.22	N/A
SYCN	ENST00000318438.6	syncollin	5	1	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
PCDH11X	ENST00000504220.2	protocadherin 11 X-linked	5	1	0	0	1	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
CAMK1	ENST00000256460.3	calcium/calmodulin-dependent protein kinase I	3500	1	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
DIEXF	ENST00000491415.2	digestive organ expansion factor homolog (zebrafish)	493	2	1	0	1	0	0	rno-miR-540-3p	-0.22	-0.32	N/A
LRRC38	ENST00000376085.3	leucine rich repeat containing 38	5	1	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
CCNT2	ENST00000295238.6	cyclin T2	381	1	1	0	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
PRDM10	ENST00000358825.5	PR domain containing 10	68	1	0	1	0	1	0	rno-miR-540-3p	-0.22	-0.22	N/A
DED2	ENST00000336034.4	death effector domain containing 2	32	1	0	1	0	1	0	rno-miR-540-3p	-0.22	-0.22	N/A
TMEM67	ENST00000453321.3	transmembrane protein 67	219	1	0	0	1	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
ZFAND2B	ENST00000409594.1	zinc finger, AN1-type domain 2B	152	1	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
RGAG4	ENST00000545866.1	retrotransposon gag domain containing 4	34	1	0	0	1	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
THAP11	ENST00000303596.1	THAP domain containing 11	1536	1	0	0	1	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
RHOT1	ENST00000333942.6	ras homolog family member T1	71	1	0	0	1	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
RALYL	ENST00000517638.1	RALY RNA binding protein-like	7	1	0	1	0	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
FAM109B	ENST00000321753.3	family with sequence similarity 109, member B	78	1	0	0	1	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
HTR7	ENST00000371719.2	5-hydroxytryptamine (serotonin) receptor 7, adenylyl cyclase-coupled	12	1	0	0	1	0	0	rno-miR-540-3p	-0.22	-0.22	N/A
COX20	ENST00000411948.2	COX20 cytochrome C oxidase assembly factor	693	1	1	0	0	0	0	rno-miR-540-3p	-0.22	-0.66	N/A
TIE1	ENST00000372476.3	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	5	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
SCOC	ENST00000608372.1	short coiled-coil protein	922	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
MPZ	ENST00000533557.1	myelin protein zero	17	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
TSPYL5	ENST00000322128.3	TSPY-like 5	20	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
RUFY4	ENST00000441828.2	RUN and FYVE domain containing 4	5	1	0	0	0	1	1	rno-miR-540-3p	-0.21	-0.21	N/A
DNAJC16	ENST00000375847.3	DnaJ (Hsp40) homolog, subfamily C, member 16	366	1	0	0	1	4	0	rno-miR-540-3p	-0.21	-0.23	N/A
TMEM156	ENST00000381938.3	transmembrane protein 156	15	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
HECA	ENST00000367658.2	headcase homolog (Drosophila)	783	1	0	1	0	1	0	rno-miR-540-3p	-0.21	-0.22	N/A
UNC13C	ENST00000545554.1	unc-13 homolog C (C. elegans)	14	1	0	0	0	1	0	rno-miR-540-3p	-0.21	-0.21	N/A
GREM2	ENST00000318160.4	gremlin 2, DAN family BMP antagonist	631	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
ST3GAL3	ENST00000372377.4	ST3 beta-galactoside alpha-2,3-sialyltransferase 3	135	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
THRAP3	ENST00000354618.5	thyroid hormone receptor associated protein 3	13	1	1	0	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
SSBP3	ENST00000417664.2	single stranded DNA binding protein 3	1474	1	0	1	0	1	0	rno-miR-540-3p	-0.21	-0.29	N/A
LUZP1	ENST00000418342.1	leucine zipper protein 1	434	1	0	1	0	1	0	rno-miR-540-3p	-0.21	-0.23	N/A
SLC9A6	ENST00000370698.3	solute carrier family 9, subfamily A (NHE6, cation proton antiporter 6), member 6	547	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.22	N/A
CDC42EP4	ENST00000357993.3	CDC42 effector protein (Rho GTPase binding) 4	47	2	0	2	0	0	0	rno-miR-540-3p	-0.21	-0.38	N/A
DPP8	ENST00000341861.5	dipeptidyl-peptidase 8	1293	1	1	0	0	0	0	rno-miR-540-3p	-0.21	-0.24	N/A
SLAMF6	ENST00000368059.3	SLAM family member 6	5	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
B3GAL5	ENST00000380620.4	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5	5	1	0	0	1	1	0	rno-miR-540-3p	-0.21	-0.21	N/A
SNX15	ENST00000377244.3	sorting nexin 15	341	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
FOXN2	ENST000003940553.3	forkhead box N2	441	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
HOMER2	ENST00000450735.2	homer homolog 2 (Drosophila)	12	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
IHH	ENST00000295731.6	indian hedgehog	238	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
PRKAR2A	ENST00000265563.8	protein kinase, cAMP-dependent, regulatory, type II, alpha	583	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.22	N/A
PTK2	ENST00000522684.1	protein tyrosine kinase 2	1134	2	0	1	0	1	0	rno-miR-540-3p	-0.21	-0.37	N/A
MCM10	ENST00000578694.1	minichromosome maintenance complex component 10	838	1	1	0	0	2	0	rno-miR-540-3p	-0.21	-0.27	N/A
PLAU	ENST00000372764.3	plasminogen activator, urokinase	4515	1	0	0	1	1	0	rno-miR-540-3p	-0.21	-0.21	N/A
MYOT	ENST00000239926.4	myotilin	5	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
ADAMTS10	ENST00000595838.1	ADAM metalloproteinase with thrombospondin type 1 motif, 10	7	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
TMCO5A	ENST00000319669.4	transmembrane and coiled-coil domains 5A	5	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
UBE3C	ENST00000348165.5	ubiquitin protein ligase E3C	1332	1	0	1	0	1	0	rno-miR-540-3p	-0.21	-0.21	N/A
OGN	ENST00000262551.4	osteolectin	5	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
GALE	ENST00000374497.3	UDP-galactose-4-epimerase	27	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
ARHGGEF17	ENST00000263674.3	Rho guanine nucleotide exchange factor (GEF) 17	729	2	1	1	0	1	0	rno-miR-540-3p	-0.21	-0.21	N/A
HMOX1	ENST00000216117.8	heme oxygenase (deacyling) 1	702	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
RAP2A	ENST00000245304.4	RAP2A, member of RAS oncogene family	721	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.25	N/A
CELFS	ENST00000541430.2	CUGBP, Elav-like family member 5	5	1	0	0	1	2	0	rno-miR-540-3p	-0.21	-0.27	N/A
KLHDC8B	ENST00000332780.2	kelch domain containing 8B	321	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
ZNF213	ENST00000396878.3	zinc finger protein 213	48	1	0	1	0	1	0	rno-miR-540-3p	-0.21	-0.21	N/A
AL117190.3	ENST00000599197.1	Esophagus cancer-related gene-2 interaction susceptibility protein; Uncharacterized protein	30	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
UBAP2L	ENST00000343815.6	ubiquitin associated protein 2-like	3367	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
CASS4	ENST00000371336.3	Cas scaffolding protein family member 4	49	1	0	0	1	1	0	rno-miR-540-3p	-0.21	-0.21	N/A
DOK7	ENST00000507039.1	docking protein 7	19	1	1	0	0	2	0	rno-miR-540-3p	-0.21	-0.21	N/A
OSBPL11	ENST00000296205.5	oxysterol binding protein-like 11	101	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
PRPF4	ENST00000374199.4	pre-miRNA processing factor 4	2735	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
FRS2	ENST0000050389.1	fibroblast growth factor receptor substrate 2	176	2	0	0	2	1	0	rno-miR-540-3p	-0.21	-0.39	N/A
SLIT2	ENST00000504154.1	slit homolog 2 (Drosophila)	579	1	0	0	0	1	0	rno-miR-540-3p	-0.21	-0.21	N/A
DHX33	ENST00000225296.3	DEAH (Asp-Glu-Ala-His) box polypeptide 33	724	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.22	N/A
ADAT3	ENST00000329478.2	adenosine deaminase, tRNA-specific 3	168	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
TMEM229B	ENST00000557006.1	transmembrane protein 229B	5	2	1	0	1	1	0	rno-miR-540-3p	-0.21	-0.21	N/A
WDR31	ENST00000341761.4	WD repeat domain 31	23	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
RSP04	ENST00000217260.4	R-spondin 4	5	1	0	0	1	1	0	rno-miR-540-3p	-0.21	-0.21	N/A
PLS1	ENST00000457734.2	plastin 1	467	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.22	N/A
SP7	ENST00000536324.2	Sp7 transcription factor	5	1	0	1	0	1	0	rno-miR-540-3p	-0.21	-0.21	N/A
KRT6C	ENST00000525206.6	keratin 6C	5	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
AFAP1L2	ENST00000304129.4	actin filament associated protein 1-like 2	13	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
PITPNA	ENST00000313486.7	phosphatidylinositol transfer protein, alpha	366	2	0	1	1	2	0	rno-miR-540-3p	-0.21	-0.41	N/A
FAM193B	ENST00000514747.1	family with sequence similarity 193, member B	77	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
CDC42SE1	ENST00000493974.2	CDC42 small effector 1	231	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
CDK6	ENST00000265734.4	cyclin-dependent kinase 6	1116	2	0	1	1	0	0	rno-miR-540-3p	-0.21	-0.22	N/A
APOC2	ENST00000585786.1	apolipoprotein C-II	2242	1	0	0	1	1	0	rno-miR-540-3p	-0.21	-0.36	N/A
MYO22	ENST00000307128.5	myozenin 2	5	1	0	0	1	1	0	rno-miR-540-3p	-0.21	-0.27	N/A
VGLL3	ENST00000398399.2	vestigial like 3 (Drosophila)	187	1	1	0	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
PAX3	ENST00000350526.4	paired box 3	7	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
PML	ENST00000565898.1	promyelocytic leukemia	83	1	0	0	1	2	0	rno-miR-540-3p	-0.21	-0.21	N/A
ADAR	ENST00000292205.5	adenosine deaminase, RNA-specific	633	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
TCHP	ENST00000405876.4	trichoplein, keratin filament binding	140	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
ANAPC2	ENST00000323927.2	anaphase promoting complex subunit 2	8	1	0	1	0	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
CYP51A1	ENST0000003100.8	cytochrome P450, family 51, subfamily A, polypeptide 1	6	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
CYB561A3	ENST00000294072.4	cytochrome b561 family, member A3	470	1	0	0	1	0	0	rno-miR-540-3p	-0.21	-0.21	N/A
CARM1	ENST00000327064.4	coactivator-associated arginine methyltransferase 1	663	1	0	1	0	1	0	rno-miR-540-3p	-0.21	-0.21	N/A
CDYL2	ENST00000507137.2	chromodomain protein, Y-like 2	239	1	0	1	0	1	0	rno-miR-540-3p	-0.21	-0.28	N/A

AHNAK2	ENST0000057457.1	AHNAK nucleoprotein 2	29	1	1	0	0	0	rno-miR-540-3p	-0.2	-0.31	N/A
YKT6	ENST00000223369.2	YKT6 v-SNARE homolog (S. cerevisiae)	2409	1	1	0	0	0	rno-miR-540-3p	-0.2	-0.21	N/A
PIK3IP1	ENST00000441972.1	phosphoinositide-3-kinase interacting protein 1	22	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
SDHD	ENST00000526592.1	succinate dehydrogenase complex, subunit D, integral membrane protein	62	1	0	1	0	0	rno-miR-540-3p	-0.2	-0.2	N/A
C19orf26	ENST00000590083.1	chromosome 19 open reading frame 26	24	2	1	0	1	1	rno-miR-540-3p	-0.2	-0.2	N/A
RORB	ENST00000376896.3	RAR-related orphan receptor B	5	1	0	0	1	1	rno-miR-540-3p	-0.2	-0.2	N/A
GABPA	ENST00000354828.3	GA binding protein transcription factor, alpha subunit 60kDa	8	2	1	0	1	0	rno-miR-540-3p	-0.2	-0.34	N/A
GRPEL1	ENST00000264954.4	GrpE-like 1, mitochondrial (E. coli)	1416	1	0	1	0	0	rno-miR-540-3p	-0.2	-0.35	N/A
OS9	ENST00000389142.5	osteosarcoma amplified 9, endoplasmic reticulum lectin	1038	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
DNAJB2	ENST00000336576.5	DnaJ (Hsp40) homolog, subfamily B, member 2	2187	1	0	1	0	1	rno-miR-540-3p	-0.2	-0.2	N/A
NUDT18	ENST00000521807.2	nudix (nucleoside diphosphate linked moiety X)-type motif 18	40	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
MEF2A	ENST00000354410.5	myocyte enhancer factor 2A	654	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.23	N/A
UBTF	ENST00000343638.5	upstream binding transcription factor, RNA polymerase I	1090	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
BEST3	ENST00000488961.1	bestrophin 3	5	1	0	0	1	1	rno-miR-540-3p	-0.2	-0.2	N/A
ADAM11	ENST00000200557.6	ADAM metalloproteinase domain 11	32	1	0	0	1	1	rno-miR-540-3p	-0.2	-0.2	N/A
CYP26B1	ENST0000001146.2	cytochrome P450, family 26, subfamily B, polypeptide 1	1315	2	0	0	2	2	rno-miR-540-3p	-0.2	-0.2	N/A
TSNARE1	ENST00000519651.1	t-SNARE domain containing 1	11	1	0	0	1	3	rno-miR-540-3p	-0.2	-0.26	N/A
HSPA12A	ENST00000369209.3	heat shock 70kDa protein 12A	37	1	1	0	0	3	rno-miR-540-3p	-0.2	-0.23	N/A
NXF2	ENST00000372763.1	nuclear RNA export factor 2	5	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
ASPHD2	ENST00000215906.5	aspartate beta-hydroxylase domain containing 2	102	1	0	1	0	0	rno-miR-540-3p	-0.2	-0.2	N/A
DRGX	ENST00000374139.2	dorsal root ganglia homeobox	5	1	0	1	0	1	rno-miR-540-3p	-0.2	-0.2	N/A
NNAT	ENST000000062104.2	neurotatin	5	1	0	1	0	0	rno-miR-540-3p	-0.2	-0.2	N/A
B4GALT1	ENST00000397931.4	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	2265	1	0	1	0	3	rno-miR-540-3p	-0.2	-0.23	N/A
NBEAL1	ENST00000449802.1	neurbeachin-like 1	42	2	0	1	1	0	rno-miR-540-3p	-0.2	-0.21	N/A
IL13RA1	ENST00000371666.3	interleukin 13 receptor, alpha 1	494	1	1	0	0	0	rno-miR-540-3p	-0.2	-0.4	N/A
DOCK8	ENST00000432829.2	dedicator of cytokinesis 8	11	1	0	1	0	0	rno-miR-540-3p	-0.2	-0.2	N/A
SLC25A37	ENST00000519973.1	solute carrier family 25 (mitochondrial iron transporter), member 37	145	2	0	0	1	1	rno-miR-540-3p	-0.2	-0.21	N/A
SLC13A5	ENST00000433363.2	solute carrier family 13 (sodium-dependent citrate transporter), member 5	4848	1	0	0	1	1	rno-miR-540-3p	-0.2	-0.2	N/A
HS2ST1	ENST00000370550.5	heparan sulfate 2-O-sulfotransferase 1	87	1	0	2	0	2	rno-miR-540-3p	-0.2	-0.33	N/A
MAP3K9	ENST00000554752.2	mitogen-activated protein kinase kinase kinase 9	44	1	0	1	0	3	rno-miR-540-3p	-0.2	-0.24	N/A
PIRT	ENST00000580256.2	phosphoinositide-interacting regulator of transient receptor potential channels	5	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
TSPAN15	ENST00000373290.2	tetraspanin 15	15	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
DOK6	ENST00000382713.5	docking protein 6	8	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
NLRX1	ENST00000409109.1	NLR family member X1	36	1	0	1	0	0	rno-miR-540-3p	-0.2	-0.2	N/A
BICD1	ENST00000548411.1	bicaudal D homolog 1 (Drosophila)	205	1	0	0	1	1	rno-miR-540-3p	-0.2	-0.24	N/A
MAN1A2	ENST00000356554.3	mannosidase, alpha, class 1A, member 2	603	3	1	1	1	1	rno-miR-540-3p	-0.2	-0.22	N/A
CCDC39	ENST00000273654.4	coiled-coil domain containing 39	5	1	0	1	0	0	rno-miR-540-3p	-0.2	-0.2	N/A
LRRRC49	ENST00000260382.5	leucine rich repeat containing 49	94	2	0	0	2	0	rno-miR-540-3p	-0.2	-0.44	N/A
CTNS	ENST00000406640.3	cystinosis, lysosomal cystine transporter	308	1	0	1	0	1	rno-miR-540-3p	-0.2	-0.24	N/A
SNN	ENST00000329565.5	stannin	663	1	0	1	0	3	rno-miR-540-3p	-0.2	-0.21	N/A
KIAA0195	ENST00000314256.7	KIAA0195	810	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
KCNAB6	ENST00000433855.1	potassium voltage-gated channel, shaker-related subfamily, member 6	5	1	0	0	1	2	rno-miR-540-3p	-0.2	-0.2	N/A
AL354898.1	ENST00000277491.7		5	1	0	1	0	0	rno-miR-540-3p	-0.2	-0.2	N/A
TMEM129	ENST00000303272.2	transmembrane protein 129	57	1	0	0	1	1	rno-miR-540-3p	-0.2	-0.2	N/A
FYB	ENST00000351578.6	FYN binding protein	5	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
AGBL2	ENST00000525123.1	ATP/GTP binding protein-like 2	7	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
SAMD5	ENST00000367474.1	sterile alpha motif domain containing 5	28	1	0	1	0	1	rno-miR-540-3p	-0.2	-0.2	N/A
ALPL	ENST00000374840.3	alkaline phosphatase, liver/bone/kidney	251	1	0	1	0	0	rno-miR-540-3p	-0.2	-0.2	N/A
PAPOLB	ENST00000404991.1	poly(A) polymerase beta (testis specific)	5	1	1	0	0	0	rno-miR-540-3p	-0.2	-0.2	N/A
NR2F1	ENST00000327111.3	nuclear receptor subfamily 2, group F, member 1	26	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
CSRNP3	ENST00000314499.7	cysteine-serine-rich nuclear protein 3	24	2	1	1	0	0	rno-miR-540-3p	-0.2	-0.2	N/A
UBE2V1	ENST00000371657.5	ubiquitin-conjugating enzyme E2 variant 1	1621	2	0	0	2	0	rno-miR-540-3p	-0.2	-0.2	N/A
PPP6R3	ENST00000393800.2	protein phosphatase 6, regulatory subunit 3	400	2	0	0	2	0	rno-miR-540-3p	-0.2	-0.29	N/A
AARD	ENST00000378279.3	alanine and arginine rich domain containing protein	7	1	0	1	0	0	rno-miR-540-3p	-0.2	-0.25	N/A
EPN2	ENST00000314728.5	epsin 2	1609	1	0	0	1	1	rno-miR-540-3p	-0.2	-0.22	N/A
COX11	ENST00000571584.1	cytochrome c oxidase assembly homolog 11 (yeast)	116	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
MICALCL	ENST00000256186.2	MICAL C-terminal like	62	2	0	0	1	1	rno-miR-540-3p	-0.2	-0.2	N/A
CD164L2	ENST00000374027.3	CD164 sialomucin-like 2	5	2	0	0	2	0	rno-miR-540-3p	-0.2	-0.36	N/A
XXYLT1	ENST00000310380.6	xyloside xylosyltransferase 1	1052	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
LYPLA1	ENST00000316963.3	lysophospholipase 1	57	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
SNAPC4	ENST00000298532.2	small nuclear RNA activating complex, polypeptide 4, 190kDa	875	1	0	0	1	0	rno-miR-540-3p	-0.2	-0.2	N/A
GPR37L1	ENST00000367282.5	G protein-coupled receptor 37 like 1	5	1	0	0	1	1	rno-miR-540-3p	-0.2	-0.2	N/A
CANT1	ENST00000392446.5	calcium activated nucleotidease 1	538	1	0	1	0	0	rno-miR-540-3p	-0.19	-0.21	N/A
MMD2	ENST00000406755.1	monocyte to macrophage differentiation-associated 2	5	1	0	0	1	1	rno-miR-540-3p	-0.19	-0.2	N/A
PTEN	ENST00000371953.3	phosphatase and tensin homolog	118	2	0	1	1	1	rno-miR-540-3p	-0.19	-0.21	N/A
PTGFR	ENST00000370756.3	prostaglandin F receptor (FP)	20	1	0	0	1	0	rno-miR-540-3p	-0.19	-0.19	N/A
PPP5K2	ENST00000321521.9	diphosphoinositol pentakisphosphate kinase 2	203	1	0	0	1	0	rno-miR-540-3p	-0.19	-0.19	N/A
EMILIN3	ENST00000332312.3	elastin microfibril interfacer 3	12	2	0	1	1	0	rno-miR-540-3p	-0.19	-0.19	N/A
PTBP3	ENST00000374257.1	polypyridimide tract binding protein 3	214	3	0	1	1	0	rno-miR-540-3p	-0.19	-0.63	N/A
MAMSTR	ENST00000318083.6	MEF2 activating motif and SAP domain containing transcriptional regulator	100	1	0	1	0	0	rno-miR-540-3p	-0.19	-0.21	N/A
UBE2Z	ENST00000360943.5	ubiquitin-conjugating enzyme E2Z	3688	1	0	1	0	0	rno-miR-540-3p	-0.19	-0.19	N/A
FIZ1	ENST00000221665.3	FLT3-interacting zinc finger 1	136	1	0	1	0	3	rno-miR-540-3p	-0.19	-0.19	N/A
PRRG2	ENST00000246794.5	proline rich Gla (G-carboxylglutamic acid) 2	8	1	0	0	1	0	rno-miR-540-3p	-0.19	-0.19	N/A
ZNF512B	ENST00000369888.1	zinc finger protein 512B	8	1	0	1	0	2	rno-miR-540-3p	-0.19	-0.19	N/A
GPR26	ENST00000284674.1	G protein-coupled receptor 26	5	1	0	0	1	1	rno-miR-540-3p	-0.19	-0.19	N/A
SH3GLB2	ENST00000372564.3	SH3-domain GRB2-like endophilin B2	535	1	0	1	0	0	rno-miR-540-3p	-0.19	-0.19	N/A
TPK1	ENST00000549981.1	thiamin pyrophosphokinase 1	7	1	0	0	1	0	rno-miR-540-3p	-0.19	-0.19	N/A
DNAJC6	ENST00000395325.3	DnaJ (Hsp40) homolog, subfamily C, member 6	96	1	0	1	0	1	rno-miR-540-3p	-0.19	-0.19	N/A
NUDT13	ENST00000372997.3	nudix (nucleoside diphosphate linked moiety X)-type motif 13	10	1	0	1	0	0	rno-miR-540-3p	-0.19	-0.19	N/A
MRPL4	ENST00000590669.1	mitochondrial ribosomal protein L4	3854	1	0	0	1	0	rno-miR-540-3p	-0.19	-0.19	N/A
ZNF592	ENST00000299927.3	zinc finger protein 592	1128	2	1	0	0	1	rno-miR-540-3p	-0.19	-0.24	N/A
TUBGCP3	ENST00000261965.3	tubulin, gamma complex associated protein 3	22	1	0	0	1	0	rno-miR-540-3p	-0.19	-0.26	N/A
CECR5	ENST00000155674.5	cat eye syndrome chromosome region, candidate 5	1473	1	0	1	0	0	rno-miR-540-3p	-0.19	-0.19	N/A
ADAM15	ENST00000360674.4	ADAM metalloproteinase domain 15	645	1	0	1	0	0	rno-miR-540-3p	-0.19	-0.19	N/A
TTYH3	ENST00000258796.7	twenty family member 3	188	1	0	0	1	4	rno-miR-540-3p	-0.19	-0.19	N/A
GLB1	ENST00000307363.5	galactosidase, beta 1	1136	1	0	0	1	0	rno-miR-540-3p	-0.19	-0.19	N/A
DNM1	ENST00000475805.1	dynamitin 1	17	1	1	0	0	0	rno-miR-540-3p	-0.19	-0.19	N/A
UBQLN4	ENST00000368309.3	ubiquilin 4	5	1	0	0	1	0	rno-miR-540-3p	-0.19	-0.19	N/A
CXADR	ENST00000356275.6	coxsackie virus and adenovirus receptor	56	1	0	0	1	0	rno-miR-540-3p	-0.19	-0.19	N/A
BRD4	ENST00000263377.2	bromodomain containing 4	849	1	1	0	0	0	rno-miR-540-3p	-0.19	-0.28	N/A
CLIC5	ENST00000339561.6	chloride intracellular channel 5	21	2	0	1	1	1	rno-miR-540-3p	-0.19	-0.24	N/A
TWFI	ENST00000552521.1	twintinilin actin-binding protein 1	72	1	0	1	0	0	rno-miR-540-3p	-0.19	-0.19	N/A
GPR85	ENST00000297146.3	G protein-coupled receptor 85	21	1	0	0	1	0	rno-miR-540-3p	-0.19	-0.19	N/A
SH3GL2	ENST00000380607.4	SH3-domain GRB2-like 2	125	1	0	1	0	0	rno-miR-540-3p	-0.19	-0.19	N/A
IKZF3	ENST00000346872.3	IKAROS family zinc finger 3 (Aiolos)	7	1	0	0	1	0	rno-miR-540-3p	-0.19	-0.19	N/A
PTPRT	ENST00000373187.1	protein tyrosine phosphatase, receptor type, T	5	2	2	0	0	3	rno-miR-540-3p	-0.19	-0.19	N/A
HCFC2	ENST00000229330.4	host cell factor C2	46	1	1	0	0	2	rno-miR-540-3p	-0.19	-0.39	N/A
CDC6	ENST00000209728.4	cell division cycle 6	772	1	0	0	1	1	rno-miR-540-3p	-0.19	-0.25	N/A
KLF9	ENST00000377126.2	Kruppel-like factor 9	20	1	0	1	0	0	rno-miR-540-3p	-0.19	-0.29	N/A
OCLN												

CHST4	ENST00000338482.5	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	15	1	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A	
CBX7	ENST00000216133.5	chromobox homolog 7	5	1	0	0	1	0	1	0	rno-miR-540-3p	-0.17	-0.17	N/A
C3orf18	ENST00000426034.1	chromosome 3 open reading frame 18	29	1	0	0	0	1	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
FRMD4B	ENST00000398540.3	FERM domain containing 4B	12	1	0	0	1	0	1	0	rno-miR-540-3p	-0.17	-0.17	N/A
ZC3H12D	ENST00000416573.2	zinc finger CCCH-type containing 12D	13	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
RAB11FIP3	ENST00000262305.4	RAB11 family interacting protein 3 (class II)	71	2	0	1	1	0	1	0	rno-miR-540-3p	-0.17	-0.17	N/A
LDOC1	ENST00000370526.2	leucine zipper, down-regulated in cancer 1	14	1	0	0	1	0	1	0	rno-miR-540-3p	-0.17	-0.18	N/A
STK40	ENST00000359297.2	serine/threonine kinase 40	214	1	0	0	1	1	1	0	rno-miR-540-3p	-0.17	-0.17	N/A
CACNA1E	ENST00000526775.1	calcium channel, voltage-dependent, R type, alpha 1E subunit	5	1	0	0	1	1	1	0	rno-miR-540-3p	-0.17	-0.17	N/A
FBLN7	ENST0000031203.2	fibulin 7	44	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
CORO1C	ENST00000261401.3	coronin, actin binding protein, 1C	1970	1	0	0	1	1	1	0	rno-miR-540-3p	-0.17	-0.19	N/A
AP3M2	ENST00000174653.3	adaptor-related protein complex 3, mu 2 subunit	792	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
TRAPPC10	ENST00000291574.4	trafficking protein particle complex 10	302	1	0	0	1	1	1	0	rno-miR-540-3p	-0.17	-0.23	N/A
SRGAP1	ENST00000355086.3	SLIT-ROBO Rho GTPase activating protein 1	64	1	1	0	0	0	1	0	rno-miR-540-3p	-0.17	-0.32	N/A
NAA40	ENST00000377934.4	N(alpha)-acetyltransferase 40, NatD catalytic subunit	217	1	0	1	0	0	2	0	rno-miR-540-3p	-0.17	-0.26	N/A
MTMR9	ENST00000221086.3	myotubularin related protein 9	400	1	1	0	0	0	0	0	rno-miR-540-3p	-0.17	-0.22	N/A
FAM179B	ENST00000382233.2	family with sequence similarity 179, member B	12	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
SLC22A3	ENST00000392145.1	solute carrier family 22 (organic cation transporter), member 3	86	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
JPH4	ENST00000356300.4	junctionophilin 4	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
CHST8	ENST00000438847.3	carbohydrate (N-acetylgalactosamine 4-O) sulfotransferase 8	32	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
RIOK3	ENST00000339486.3	RIO kinase 3	757	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
YPEL1	ENST00000339468.3	yippe-like 1 (Drosophila)	81	1	0	0	1	0	2	0	rno-miR-540-3p	-0.17	-0.32	N/A
TBC1D13	ENST00000372648.5	TBC1 domain family, member 13	2204	1	0	0	1	1	1	0	rno-miR-540-3p	-0.17	-0.17	N/A
SLC36A4	ENST00000326402.4	solute carrier family 36 (proton/amino acid symporter), member 4	252	2	0	1	1	0	1	0	rno-miR-540-3p	-0.17	-0.27	N/A
FLJ27365	ENST00000360737.3	hsa-mir-4763	74	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
UTRN	ENST00000367545.3	utrophin	87	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
VWF	ENST00000261405.5	von Willebrand factor	16	1	0	0	0	1	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
RGS3	ENST00000374140.2	regulator of G-protein signaling 3	2735	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
MEN1	ENST00000377316.2	multiple endocrine neoplasia 1	8	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
LYPD6	ENST00000343166.4	LY6/PLAUR domain containing 6	261	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
COLQ	ENST00000383785.2	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	8	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
FNIP2	ENST00000264433.6	folliculin interacting protein 2	266	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
PKNX2	ENST00000298282.9	PBX/knotted 1 homeobox 2	46	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
ADPGK	ENST00000311669.8	ADP-dependent glucokinase	1938	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
KLK9	ENST00000376832.4	kallikrein-related peptidase 9	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
PMP22	ENST00000395938.2	peripheral myelin protein 22	1152	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
IFNGR1	ENST00000367739.4	interferon gamma receptor 1	8	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
RALGPS2	ENST00000367635.3	Ral GEF with PH domain and SH3 binding motif 2	201	1	0	0	1	1	1	0	rno-miR-540-3p	-0.17	-0.17	N/A
GPCR5B	ENST00000300571.2	G protein-coupled receptor, family C, group 5, member B	84	1	0	0	1	1	1	0	rno-miR-540-3p	-0.17	-0.17	N/A
TTC9	ENST00000256367.2	tetratricopeptide repeat domain 9	39	1	0	0	1	1	1	0	rno-miR-540-3p	-0.17	-0.27	N/A
LEPR	ENST00000371060.3	leptin receptor	169	1	0	0	1	1	1	0	rno-miR-540-3p	-0.17	-0.17	N/A
HIVEP2	ENST00000367604.1	human immunodeficiency virus type I enhancer binding protein 2	137	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
EGD5	ENST00000285046.5	FYVE, RhoGEF and PH domain containing 5	9	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
DUOXA1	ENST00000558996.1	dual oxidase maturation factor 1	5	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
KLHL1	ENST00000377844.4	kelch-like family member 1	40	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
IL12RB1	ENST00000395993.2	interleukin 12 receptor, beta 1	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
BTB	ENST00000303498.5	biotinidase	183	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.22	N/A
RWD4D	ENST00000326397.5	RWD domain containing 4	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
PPP1R13B	ENST00000423488.2	protein phosphatase 1, regulatory subunit 13B	105	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
TMCC1	ENST00000432054.2	transmembrane and coiled-coil domain family 1	97	1	0	0	1	0	0	0	rno-miR-540-3p	-0.17	-0.17	N/A
INTU	ENST00000335251.6	inturned planar cell polarity protein	105	2	0	1	1	1	0	0	rno-miR-540-3p	-0.16	-0.26	N/A
NEU3	ENST00000532963.1	sialidase 3 (membrane sialidase)	243	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.17	N/A
SLC39A14	ENST00000381237.1	solute carrier family 39 (zinc transporter), member 14	2413	1	0	1	0	1	0	0	rno-miR-540-3p	-0.16	-0.17	N/A
ANPEP	ENST00000300606.6	alanine (membrane) aminopeptidase	216	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
GPR75	ENST00000394705.2	G protein-coupled receptor 75	35	1	0	1	0	1	0	0	rno-miR-540-3p	-0.16	-0.19	N/A
RIMS4	ENST00000372851.3	regulating synaptic membrane exocytosis 4	30	2	0	2	0	0	1	0	rno-miR-540-3p	-0.16	-0.16	N/A
PRC1	ENST00000361919.3	protein regulator of cytokinesis 1	288	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
PDZD2	ENST00000438447.1	PDZ domain containing 2	5	2	0	1	1	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
KDMA4	ENST00000372396.3	lysine (K)-specific demethylase 4A	257	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
SFXN3	ENST00000393459.1	sideroflexin 3	154	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
MSL1	ENST00000398532.4	male-specific lethal 1 homolog (Drosophila)	4715	1	0	1	0	0	1	0	rno-miR-540-3p	-0.16	-0.16	N/A
TBX21	ENST00000177694.1	T-box 21	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
RCS1	ENST00000367854.3	RCS1 domain containing 1	32	1	0	0	1	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
ZBTB41	ENST00000367405.4	zinc finger and BTB domain containing 41	33	1	0	0	1	0	0	0	rno-miR-540-3p	-0.16	-0.18	N/A
TEC	ENST00000381501.3	tec protein tyrosine kinase	11	2	0	1	1	0	0	0	rno-miR-540-3p	-0.16	-0.39	N/A
KAZALD1	ENST00000370200.5	Kazal-type serine peptidase inhibitor domain 1	186	2	1	1	0	0	1	0	rno-miR-540-3p	-0.16	-0.72	N/A
ZNF256	ENST00000598928.1	zinc finger protein 256	18	2	0	2	0	0	0	0	rno-miR-540-3p	-0.16	-0.53	N/A
SH3BP2	ENST00000511217.1	SH3 domain containing ring finger 2	53	1	0	0	0	0	0	0	rno-miR-540-3p	-0.16	-0.18	N/A
RUFY3	ENST00000381006.3	RUN and FYVE domain containing 3	162	2	0	2	0	0	0	0	rno-miR-540-3p	-0.16	-0.32	N/A
MAK	ENST00000313243.2	male germ cell-associated kinase	7	2	0	2	0	0	1	0	rno-miR-540-3p	-0.16	-0.24	N/A
GNAZ	ENST00000248996.4	guanine nucleotide binding protein (G protein), alpha z polypeptide	50	1	0	0	1	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
PTCH1	ENST00000430669.2	patched 1	123	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
SLC25A28	ENST00000370495.4	solute carrier family 25 (mitochondrial iron transporter), member 28	49	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
SLX4	ENST00000294008.3	SLX4 structure-specific endonuclease subunit	48	1	0	0	1	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
DENN1D1C	ENST00000381480.2	DENN/MADD domain containing 1C	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
PHACTR1	ENST00000379350.1	phosphatase and actin regulator 1	5	1	0	0	1	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
MAPK11	ENST00000330651.6	mitogen-activated protein kinase 11	9	1	0	0	1	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
CD300A	ENST00000360141.3	CD300a molecule	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
BAK1	ENST00000442998.2	BCL2-antagonist/killer 1	15	1	0	0	1	1	1	0	rno-miR-540-3p	-0.16	-0.16	N/A
GUCD1	ENST00000447813.2	guanylyl cyclase domain containing 1	2990	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
FOXO1	ENST00000379561.5	forkhead box O1	480	1	1	0	0	0	0	0	rno-miR-540-3p	-0.16	-0.17	N/A
ABCF2	ENST00000287844.2	ATP-binding cassette, sub-family F (GCN20), member 2	48	1	0	0	1	1	1	0	rno-miR-540-3p	-0.16	-0.23	N/A
TMTC2	ENST00000321196.3	transmembrane and tetratricopeptide repeat containing 2	173	1	0	0	1	0	0	0	rno-miR-540-3p	-0.16	-0.17	N/A
RNF144A	ENST00000320892.6	ring finger protein 144A	124	1	0	0	1	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
SLC6A14	ENST00000371900.4	solute carrier family 6 (amino acid transporter), member 14	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
CXorf36	ENST00000398000.2	chromosome X open reading frame 36	5	1	0	0	1	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
CNIH4	ENST00000465271.1	cornichon family AMPA receptor auxiliary protein 4	1348	3	0	2	1	0	0	0	rno-miR-540-3p	-0.16	-0.49	N/A
GIT2	ENST00000355312.3	G protein-coupled receptor kinase interacting ArGAP 2	924	1	0	0	1	0	0	0	rno-miR-540-3p	-0.16	-0.17	N/A
FRYL	ENST00000505238.1	FRY-like	276	1	0	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
GRM7	ENST00000486284.1	glutamate receptor, metabotropic 7	5	1	0	0	1	0	0	0	rno-miR			

FAM89B	ENST0000049319.2	family with sequence similarity 89, member B	289	1	0	1	0	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
GAD2	ENST00000376261.3	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)	5	1	0	0	1	0	0	rno-miR-540-3p	-0.16	-0.16	N/A
NSUN7	ENST00000316607.5	NOP2/Sun domain family, member 7	9	1	0	1	0	1	0	rno-miR-540-3p	-0.16	-0.16	N/A
ATPAF1	ENST00000576409.1	ATP synthase mitochondrial F1 complex assembly factor 1	1637	1	0	1	0	1	0	rno-miR-540-3p	-0.16	-0.18	N/A
FBXL20	ENST00000394294.3	F-box and leucine-rich repeat protein 20	455	1	0	0	1	2	0	rno-miR-540-3p	-0.16	-0.2	N/A
PLEKH51	ENST00000534642.3	pleckstrin homology domain containing, family S member 1	7	1	0	1	0	0	0	rno-miR-540-3p	-0.16	-0.23	N/A
PPP2R1B	ENST00000527614.1	protein phosphatase 2, regulatory subunit A, beta	341	2	0	0	2	0	0	rno-miR-540-3p	-0.16	-0.28	N/A
CMTM6	ENST00000205636.3	CKLF-like MARVEL transmembrane domain containing 6	169	1	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.27	N/A
MKLN1	ENST00000352689.6	muskelin 1, intracellular mediator containing kelch motifs	477	2	0	1	1	3	0	rno-miR-540-3p	-0.16	-0.2	N/A
NR1D2	ENST00000312521.4	nuclear receptor subfamily 1, group D, member 2	154	1	1	0	0	0	0	rno-miR-540-3p	-0.16	-0.45	N/A
CSDC2	ENST00000306149.7	cold shock domain containing C2, RNA binding	31	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
ZCCHC3	ENST00000382352.3	zinc finger, CCHC domain containing 3	1328	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
PSD3	ENST00000327040.8	pleckstrin and Sec7 domain containing 3	133	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.17	N/A
NPFER1	ENST00000277942.6	neuropeptide FF receptor 1	5	1	1	0	0	2	0	rno-miR-540-3p	-0.15	-0.15	N/A
ZNF365	ENST00000395254.3	zinc finger protein 365	173	2	0	2	0	0	0	rno-miR-540-3p	-0.15	-0.16	N/A
ATP2B3	ENST00000370186.1	ATPase, Ca++ transporting, plasma membrane 3	5	1	0	0	1	3	0	rno-miR-540-3p	-0.15	-0.15	N/A
XKR6	ENST00000304437.2	XK, Kell blood group complex subunit-related family, member 6	5	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
CD160	ENST00000369290.1	CD160 molecule	5	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
MAPRE1	ENST0000037571.5	microtubule-associated protein, RP/EB family, member 1	39	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.23	N/A
KCNK4	ENST00000369787.3	potassium voltage-gated channel, Shaw-related subfamily, member 4	138	1	1	0	0	0	0	rno-miR-540-3p	-0.15	-0.31	N/A
PXK	ENST00000463280.1	PX domain containing serine/threonine kinase	220	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.17	N/A
YWHAG	ENST00000307630.3	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	5623	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
CSK	ENST00000220003.9	c-src tyrosine kinase	941	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
EPHB1	ENST00000398015.3	EPH receptor B1	27	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
OTX1	ENST00000366671.3	orthodenticle homeobox 1	11	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
ESRP1	ENST00000358397.5	epithelial splicing regulatory protein 1	74	1	0	0	1	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
ZNF667	ENST00000591790.1	zinc finger protein 667	24	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
GPAM	ENST00000348367.4	glycerol-3-phosphate acyltransferase, mitochondrial	153	2	0	1	1	4	0	rno-miR-540-3p	-0.15	-0.15	N/A
ALG10B	ENST00000308742.4	ALG10B, alpha-1,2-glycosyltransferase	471	1	0	0	1	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
ADO	ENST00000373783.1	2-aminoethanethiol (cysteamine) dioxygenase	686	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.18	N/A
MFSDB6	ENST00000392328.1	major facilitator superfamily domain containing 6	47	2	0	1	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
EXTL1	ENST00000374280.3	extosin-like glycosyltransferase 1	35	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
FAM53A	ENST00000489363.1	family with sequence similarity 53, member A	50	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
TMEM127	ENST00000258439.3	transmembrane protein 127	296	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
PAHA3	ENST00000331597.4	prolyl 4-hydroxylase, alpha polypeptide III	5	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
MMP24	ENST00000246186.6	matrix metalloproteinase 24 (membrane-inserted)	201	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
CAPN2	ENST00000295006.5	calpain 2, (mII) large subunit	1090	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.23	N/A
EFCAB6	ENST00000356087.4	EF-hand calcium binding domain 6	23	2	0	1	1	0	0	rno-miR-540-3p	-0.15	-0.2	N/A
MYO18A	ENST00000354329.4	myosin XVIIIa	159	1	1	0	0	0	0	rno-miR-540-3p	-0.15	-0.16	N/A
CDON	ENST00000392693.3	cell adhesion associated, oncogene regulated	173	3	0	3	0	0	0	rno-miR-540-3p	-0.15	-0.18	N/A
DYNC1H1	ENST00000360184.4	dynein, cytoplasmic 1, heavy chain 1	329	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
ASAP1	ENST00000357668.1	ArlGAP with SH3 domain, ankyrin repeat and PH domain 1	185	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.23	N/A
GMP5	ENST00000496455.2	guanine monophosphate synthase	867	1	1	0	0	1	0	rno-miR-540-3p	-0.15	-0.17	N/A
UNC119B	ENST00000344651.4	unc-119 homolog B (C. elegans)	5	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
ARHGAP17	ENST00000441763.2	Rho GTPase activating protein 17	1337	1	1	0	0	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
FBX1	ENST00000317811.4	four jointed box 1 (Drosophila)	823	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
GNGL1	ENST00000374293.4	guanine nucleotide binding protein (G protein), gamma 10	407	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
ATG16L1	ENST00000392017.4	autophagy related 16-like 1 (S. cerevisiae)	552	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
ABCC1	ENST00000399408.2	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	441	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
SIRT1	ENST00000212015.6	sirtuin 1	220	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.16	N/A
MCC	ENST00000302475.4	mutated in colorectal cancers	115	1	1	0	0	0	0	rno-miR-540-3p	-0.15	-0.16	N/A
CPNE5	ENST00000244751.2	copine V	13	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
XKR4	ENST00000327387.1	XK, Kell blood group complex subunit-related family, member 4	5	1	0	0	1	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
VAMP2	ENST00000404970.3	vesicle-associated membrane protein 2 (synaptobrevin 2)	1840	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
HLA-DQA1	ENST0000034139.5	major histocompatibility complex, class II, DQ alpha 1	7	1	0	0	0	1	0	rno-miR-540-3p	-0.15	-0.22	N/A
GTF2A1	ENST00000553612.1	general transcription factor IIA, 1, 19/57kDa	88	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.16	N/A
REEP3	ENST00000373758.4	receptor accessory protein 3	1095	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.19	N/A
RER1	ENST00000378512.1	RER1 retention in endoplasmic reticulum 1 homolog (S. cerevisiae)	2954	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.27	N/A
SLC33A1	ENST00000392845.3	solute carrier family 33 (acetyl-CoA transporter), member 1	145	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.28	N/A
SLC30A7	ENST00000370112.4	solute carrier family 30 (zinc transporter), member 7	204	2	0	2	0	0	0	rno-miR-540-3p	-0.15	-0.29	N/A
C6orf106	ENST00000374023.3	chromosome 6 open reading frame 106	80	3	0	2	1	0	0	rno-miR-540-3p	-0.15	-0.28	N/A
KIAA1549	ENST00000440172.1	KIAA1549	508	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.16	N/A
AC015987.2	ENST00000416501.1		5	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
POU2F3	ENST00000260264.4	POU class 2 homeobox 3	23	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
ZFP36L1	ENST00000555997.1	ZFP36 ring finger protein-like 1	231	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
MGAT1	ENST00000333055.3	mannosyl (alpha-1,3)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	851	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
FBXL16	ENST00000397621.1	F-box and leucine-rich repeat protein 16	5	1	0	0	1	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
B3GNT7	ENST00000287590.5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7	5	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
MAGI2	ENST00000419488.1	membrane associated guanylate kinase, WW and PDZ domain containing 2	43	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.17	N/A
ACVRL1	ENST00000550683.1	activin A receptor type II-like 1	68	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.25	N/A
VKORC1L1	ENST00000360768.3	vitamin K epoxide reductase complex, subunit 1-like 1	2291	1	0	1	0	3	0	rno-miR-540-3p	-0.15	-0.32	N/A
ACSS3	ENST00000548058.1	acyl-CoA synthetase short-chain family member 3	306	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.25	N/A
HTR1D	ENST00000374619.1	5-hydroxytryptamine (serotonin) receptor 1D, G protein-coupled	99	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.2	N/A
TREM2	ENST00000483722.1	triggering receptor expressed on myeloid cells-like 2	5	2	0	0	1	1	0	rno-miR-540-3p	-0.15	-0.31	N/A
FOXA1	ENST00000250448.2	forkhead box A1	249	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
KLHL9	ENST00000359039.4	kelch-like family member 9	222	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.17	N/A
ZNF362	ENST00000539719.1	zinc finger protein 362	27	1	1	0	0	0	0	rno-miR-540-3p	-0.15	-0.16	N/A
RASGEF1B	ENST00000509801.1	RasGEF domain family, member 1B	20	1	0	0	1	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
RORC	ENST00000356728.6	RAR-related orphan receptor C	42	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
KCNQ5	ENST00000370398.1	potassium voltage-gated channel, KQT-like subfamily, member 5	50	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.2	N/A
DES12	ENST00000302550.11	desumoylating isopeptidase 2	147	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
GABRBQ	ENST00000370306.2	gamma-aminobutyric acid (GABA) A receptor, theta	14	1	0	0	1	2	0	rno-miR-540-3p	-0.15	-0.15	N/A
TANC2	ENST00000424789.2	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 2	155	3	0	0	3	0	0	rno-miR-540-3p	-0.15	-0.16	N/A
TM9SF4	ENST00000398022.2	transmembrane 9 superfamily protein member 4	3096	1	0	1	0	0	0	rno-miR-540-3p	-0.15	-0.16	N/A
COL4A4	ENST00000396625.3	collagen, type IV, alpha 4	133	2	0	0	2	0	0	rno-miR-540-3p	-0.15	-0.16	N/A
BCL2L2	ENST00000250405.5	BCL2-like 2	1380	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
NAGPA	ENST00000312251.3	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	297	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.15	N/A
SGMS2	ENST00000394684.4	synthomyelin synthase 2	111	2	0	2	0	1	0	rno-miR-540-3p	-0.15	-0.31	N/A
DIRAS1	ENST00000323469.4	DIRAS family, GTP-binding RAS-like 1	49	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.18	N/A
MED8	ENST00000372457.4	mediator complex subunit 8	745	1	0	1	0	1	0	rno-miR-540-3p	-0.15	-0.33	N/A
GPATCH8	ENST00000591680.1	G patch domain containing 8	337	1	0	0	1	0	0	rno-miR-540-3p	-0.15	-0.21	N/A
OTOF	ENST00000338581.6	otofelin	5	1	0	0	1	1	0	rno-miR-540-3p	-0.15	-0.15	N/A
KIAA1456	ENST00000524591.2	KIAA1456	24	1	0								

ANGEL1	ENST00000251089.2	angel homolog 1 (Drosophila)	299	2	0	0	2	0	0	0	rno-miR-540-3p	-0.14	-0.15	N/A
RGS17	ENST00000367225.2	regulator of G-protein signaling 17	11	2	0	0	1	1	1	0	rno-miR-540-3p	-0.14	-0.25	N/A
PRLR	ENST00000342362.5	prolactin receptor	95	1	1	0	0	0	0	0	rno-miR-540-3p	-0.14	-0.19	N/A
GDAP1	ENST00000220822.7	ganglioside induced differentiation associated protein 1	37	1	0	0	0	1	1	1	rno-miR-540-3p	-0.14	-0.35	N/A
AP3S2	ENST00000336418.4	adaptor-related protein complex 3, sigma 2 subunit	985	2	1	0	0	1	1	0	rno-miR-540-3p	-0.14	-0.44	N/A
CERS6	ENST00000305747.6	ceramide synthase 6	1932	1	0	1	0	0	0	0	rno-miR-540-3p	-0.14	-0.18	N/A
MACF1	ENST00000567887.1	microtubule-actin crosslinking factor 1	668	2	1	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.15	N/A
CAMSA1	ENST00000389532.4	calmodulin regulated spectrin-associated protein 1	966	1	0	0	0	1	1	1	rno-miR-540-3p	-0.14	-0.14	N/A
TMEM165	ENST00000381334.5	transmembrane protein 165	2603	1	0	0	0	1	1	0	rno-miR-540-3p	-0.14	-0.15	N/A
PRKAB1	ENST00000229328.5	protein kinase, AMP-activated, beta 1 non-catalytic subunit	99	1	0	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.2	N/A
PURG	ENST00000475541.1	purine-rich element binding protein G	29	1	0	0	1	0	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
LARP1	ENST00000336314.4	La ribonucleoprotein domain family, member 1	4979	1	0	0	1	0	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
VWZC2L	ENST00000427124.1	von Willebrand factor C domain containing protein 2-like	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
GSTK1	ENST00000358406.5	glutathione S-transferase kappa 1	299	1	1	0	0	0	0	0	rno-miR-540-3p	-0.14	-0.34	N/A
GMEB1	ENST00000373816.1	glucocorticoid modulatory element binding protein 1	154	1	0	0	0	1	1	1	rno-miR-540-3p	-0.14	-0.16	N/A
CEP112	ENST0000035342.2	centrosomal protein 112kDa	73	1	1	0	0	0	0	0	rno-miR-540-3p	-0.14	-0.39	N/A
MC1R	ENST00000555147.1	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)	49	1	0	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.2	N/A
SMURF2	ENST00000262435.9	SMAD specific E3 ubiquitin protein ligase 2	978	1	1	0	0	0	2	0	rno-miR-540-3p	-0.14	-0.37	N/A
KIF27	ENST00000297814.2	kinesin family member 27	18	1	0	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
RPS6KA2	ENST00000265678.4	ribosomal protein S6 kinase, 90kDa, polypeptide 2	1043	1	0	0	0	1	1	0	rno-miR-540-3p	-0.14	-0.14	N/A
GRIK4	ENST0000027524.2	glutamate receptor, ionotropic, kainate 4	5	1	1	0	0	0	1	0	rno-miR-540-3p	-0.14	-0.14	N/A
MTA3	ENST00000405592.1	metastasis associated 1 family, member 3	194	2	0	2	0	0	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
ATL2	ENST00000406122.1	atlastin GTPase 2	1132	1	0	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
PIBF1	ENST00000326291.6	progesterone immunomodulatory binding factor	1025	1	0	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.24	N/A
PIK3R3	ENST00000262741.5	phosphoinositide-3-kinase, regulatory subunit 3 (gamma)	335	1	0	0	1	0	0	0	rno-miR-540-3p	-0.14	-0.19	N/A
TTYH2	ENST00000269346.4	twenty family member 2	16	1	0	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.16	N/A
CHTF8	ENST00000448552.2	CTF8, chromosome transmission fidelity factor 8 homolog (S. cerevisiae)	13	1	0	0	1	0	1	0	rno-miR-540-3p	-0.14	-0.14	N/A
PER2	ENST00000254658.3	period circadian clock 2	106	1	1	0	0	0	1	0	rno-miR-540-3p	-0.14	-0.14	N/A
VAC14	ENST00000261776.5	Vac14 homolog (S. cerevisiae)	58	1	0	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
ITSN1	ENST00000379960.5	intersectin 1 (SH3 domain protein)	194	1	0	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
FBXO41	ENST00000295133.5	F-box protein 41	175	1	0	0	0	1	1	0	rno-miR-540-3p	-0.14	-0.14	N/A
WSCD1	ENST00000574946.1	WSC domain containing 1	403	1	0	1	0	0	3	0	rno-miR-540-3p	-0.14	-0.16	N/A
ARHGGEF4	ENST00000392953.3	Rho guanine nucleotide exchange factor (GEF) 4	189	1	0	1	0	1	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
VPSA1	ENST00000310301.4	vacuolar protein sorting 41 homolog (S. cerevisiae)	163	2	0	2	0	0	0	0	rno-miR-540-3p	-0.14	-0.31	N/A
TNRC6B	ENST0000035727.9	trinucleotide repeat containing 6B	69	3	0	2	1	1	1	0	rno-miR-540-3p	-0.14	-0.14	N/A
TLR5	ENST00000540964.1	toll-like receptor 5	5	2	0	2	0	0	0	0	rno-miR-540-3p	-0.14	-0.29	N/A
GLP1R	ENST00000373256.2	glucagon-like peptide 1 receptor	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
MFN2	ENST00000444836.1	mitofusin 2	1096	1	0	1	0	0	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
TLL1	ENST00000061240.2	tolloid-like 1	247	1	0	0	1	0	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
CHRNA4	ENST00000370263.4	cholinergic receptor, nicotinic, alpha 4 (neuronal)	5	1	0	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
TRIM46	ENST00000392451.2	tripartite motif containing 46	69	1	0	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
GBP2	ENST00000370466.3	guanylate binding protein 2, interferon-inducible	1309	1	0	1	0	0	0	0	rno-miR-540-3p	-0.14	-0.15	N/A
CYP27B1	ENST00000228606.4	cytochrome P450, family 27, subfamily B, polypeptide 1	11	1	0	0	0	1	1	0	rno-miR-540-3p	-0.14	-0.18	N/A
AGPAT5	ENST0000028518.6	1-acylglycerol-3-phosphate O-acyltransferase 5	879	1	0	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.16	N/A
NID1	ENST00000366595.3	nidogen 1	303	1	0	0	0	1	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
SMOC2	ENST00000356284.2	SPARC related modular calcium binding 2	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
EPN3	ENST00000268933.3	epsin 3	5	1	0	1	0	0	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
YTHDF2	ENST00000373812.3	YTH domain family, member 2	38	1	0	1	0	0	0	0	rno-miR-540-3p	-0.14	-0.14	N/A
GPC4	ENST00000370828.3	glypican 4	542	2	0	1	1	0	0	0	rno-miR-540-3p	-0.13	-0.2	N/A
BLOC1S5	ENST00000397457.2	biogenesis of lysosomal organelles complex-1, subunit 5, muted	187	1	0	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.14	N/A
ZKSCAN3	ENST00000377255.3	zinc finger with KRAB and SCAN domains 3	63	2	0	1	1	0	0	0	rno-miR-540-3p	-0.13	-0.29	N/A
RHO	ENST00000296271.3	rhodopsin	5	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
PRDM16	ENST00000511072.1	PR domain containing 16	64	3	0	3	0	0	1	0	rno-miR-540-3p	-0.13	-0.22	N/A
WNT9A	ENST00000272164.5	wingless-type MMTV integration site family, member 9A	73	2	0	2	0	0	1	0	rno-miR-540-3p	-0.13	-0.13	N/A
RBM20	ENST00000369519.3	RNA binding motif protein 20	7	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
FAM19A5	ENST00000358295.5	family with sequence similarity 19 (chemokine (C-C motif)-like), member A5	14	2	1	1	0	0	0	0	rno-miR-540-3p	-0.13	-0.41	N/A
NIN	ENST00000389868.3	ninein (GSK3B interacting protein)	594	1	0	1	0	0	0	0	rno-miR-540-3p	-0.13	-0.14	N/A
MED20	ENST00000409312.1	mediator complex subunit 20	32	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.26	N/A
UAP1L1	ENST00000360271.3	UDP-N-acetylglucosamine pyrophosphorylase 1-like 1	398	1	0	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
SYDE1	ENST00000342784.2	synapse defective 1, Rho GTPase, homolog 1 (C. elegans)	249	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
OPCML	ENST00000331898.7	opioid binding protein/cell adhesion molecule-like	5	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
CDH8	ENST00000584337.1	cadherin 8, type 2	11	1	0	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
OLR1	ENST0000043993.1	oxidized low density lipoprotein (lectin-like) receptor 1	15	1	0	1	0	0	0	0	rno-miR-540-3p	-0.13	-0.2	N/A
CDK18	ENST00000360066.2	cyclin-dependent kinase 18	262	1	0	1	0	0	2	0	rno-miR-540-3p	-0.13	-0.14	N/A
HES5	ENST00000378453.3	hair and enhancer of split 5 (Drosophila)	5	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
NR5A2	ENST00000367362.3	nuclear receptor subfamily 5, group A, member 2	121	1	0	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
C10orf105	ENST00000441508.2	chromosome 10 open reading frame 105	5	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
KANK1	ENST00000382303.1	KN motif and ankyrin repeat domains 1	6	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
RPS6KA4	ENST00000528057.1	ribosomal protein S6 kinase, 90kDa, polypeptide 4	1763	1	0	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
CDKL4	ENST00000378803.1	cyclin-dependent kinase-like 4	5	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
MBTPS1	ENST00000343411.3	membrane-bound transcription factor peptidase, site 1	1502	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
SHISA3	ENST00000319234.4	shisa family member 3	52	1	0	1	0	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
TMEM201	ENST00000340305.5	transmembrane protein 201	164	1	1	0	0	0	1	0	rno-miR-540-3p	-0.13	-0.13	N/A
TBX5	ENST00000349716.5	T-box 5	68	1	0	0	0	1	1	0	rno-miR-540-3p	-0.13	-0.19	N/A
AGPAT4	ENST00000366911.5	1-acylglycerol-3-phosphate O-acyltransferase 4	142	1	0	0	0	1	1	0	rno-miR-540-3p	-0.13	-0.25	N/A
SMCR8	ENST00000406438.3	Smith-Magenis syndrome chromosome region, candidate 8	219	1	0	0	0	1	3	0	rno-miR-540-3p	-0.13	-0.14	N/A
ZIK1	ENST00000307468.4	zinc finger protein interacting with K protein 1	64	1	0	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.18	N/A
TMEM63C	ENST00000298351.4	transmembrane protein 63C	13	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
LYPD6B	ENST00000409462.3	LY6/PLAUR domain containing 6B	26	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
EGFR	ENST00000275493.2	epidermal growth factor receptor	632	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
ITGA6	ENST00000375221.2	integrin, alpha 6	1328	1	0	1	0	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
RAX	ENST00000256852.7	retina and anterior neural fold homeobox	5	1	0	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
HPCAL4	ENST00000372844.3	hippocalin like 4	5	1	0	0	1	0	1	0	rno-miR-540-3p	-0.13	-0.13	N/A
SCN3A	ENST00000360093.3	sodium channel, voltage-gated, type III, alpha subunit	5	1	0	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
YEATS2	ENST00000305135.5	YEATS domain containing 2	499	1	1	0	0	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
DGKZ	ENST00000343674.6	diacylglycerol kinase, zeta	65	1	0	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
GNAL2	ENST00000313601.6	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	27	1	0	0	0	1	1	0	rno-miR-540-3p	-0.13	-0.14	N/A
SCAI	ENST00000336505.6	suppressor of cancer cell invasion	74	1	0	0	0	1	1	0	rno-miR-540-3p	-0.13	-0.16	N/A
KIAA1737	ENST00000361786.2	KIAA1737	57	1	0	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.15	N/A
DRP2	ENST00000402866.1	dystrophin related protein 2	5	1	0	0	0	1						

Clorf116	ENST00000359470.5	chromosome 1 open reading frame 116	17	1	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.18	N/A
TRMT6	ENST00000203001.2	tRNA methyltransferase 6 homolog (S. cerevisiae)	684	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.2	N/A
POU2F1	ENST00000367866.2	POU class 2 homeobox 1	83	1	1	0	0	0	0	rno-miR-540-3p	-0.13	-0.14	N/A
SLC36A1	ENST00000243389.3	solute carrier family 36 (proton/amino acid symporter), member 1	236	1	0	1	0	1	0	rno-miR-540-3p	-0.13	-0.13	N/A
STX1A	ENST00000395156.3	syntaxin 1A (brain)	82	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
MMP25	ENST00000336577.4	matrix metalloproteinase 25	5	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
EXOC6B	ENST00000272427.6	exocyst complex component 6B	106	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
COL22A1	ENST00000303045.6	collagen, type XXII, alpha 1	5	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
TBC1D24	ENST00000567020.1	TBC1 domain family, member 24	269	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
MGAT5B	ENST00000428789.2	mannosyl (alpha-1,6)-glucosyltransferase, isozyme B	85	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
FAM83F	ENST00000334076.6	family with sequence similarity 83, member F	5	2	0	2	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
SLC46A3	ENST00000266943.6	solute carrier family 46, member 3	5	1	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
DPH2	ENST0000025108.3	DPH2 homolog (S. cerevisiae)	209	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
GFRA1	ENST00000439649.3	GDNF family receptor alpha 1	69	3	0	1	2	2	2	rno-miR-540-3p	-0.13	-0.31	N/A
ING5	ENST00000313552.6	inhibitor of growth family, member 5	529	2	0	1	1	0	0	rno-miR-540-3p	-0.13	-0.15	N/A
DGKH	ENST00000261491.5	diacylglycerol kinase, eta	46	1	0	0	1	2	0	rno-miR-540-3p	-0.13	-0.2	N/A
PHTF2	ENST00000416283.2	putative homeodomain transcription factor 2	1730	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
SGS1L	ENST00000380898.2	SGS1-like	5	1	0	1	0	1	0	rno-miR-540-3p	-0.13	-0.13	N/A
LMLN	ENST00000303198.4	leishmanolysin-like (metalloproteinase M8 family)	18	1	0	0	1	1	0	rno-miR-540-3p	-0.13	-0.13	N/A
FBXL18	ENST00000382368.3	F-box and leucine-rich repeat protein 18	92	1	0	0	1	1	0	rno-miR-540-3p	-0.13	-0.14	N/A
GNA12	ENST00000275364.3	guanine nucleotide binding protein (G protein) alpha 12	565	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.15	N/A
POLR3A	ENST00000372371.3	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa	490	1	0	1	0	1	0	rno-miR-540-3p	-0.13	-0.28	N/A
EXOC2	ENST00000230449.4	exocyst complex component 2	192	1	0	1	0	1	0	rno-miR-540-3p	-0.13	-0.16	N/A
TRIM25	ENST00000316881.4	tripartite motif containing 25	247	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.14	N/A
ALG10	ENST00000266483.2	ALG10, alpha-1,2-glucosyltransferase	13	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.21	N/A
ENTPD4	ENST00000358689.4	ectonucleoside triphosphate diphosphohydrolase 4	465	2	0	0	2	0	0	rno-miR-540-3p	-0.13	-0.17	N/A
ZBTB6	ENST00000373659.3	zinc finger and BTB domain containing 6	55	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.15	N/A
LRN3	ENST00000422987.3	leucine rich repeat neuronal 3	24	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
NTRK2	ENST00000395882.1	neurotrophic tyrosine kinase, receptor, type 2	48	1	0	1	0	2	0	rno-miR-540-3p	-0.13	-0.13	N/A
DLL4	ENST00000249749.5	delta-like 4 (Drosophila)	605	1	1	0	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
FAM13A	ENST00000395002.2	family with sequence similarity 13, member A	441	1	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
SGK3	ENST00000345714.4	serum/glucocorticoid regulated kinase family, member 3	56	1	0	1	0	0	0	rno-miR-540-3p	-0.13	-0.19	N/A
FAM53C	ENST00000513056.1	family with sequence similarity 53, member C	592	1	0	0	1	1	0	rno-miR-540-3p	-0.13	-0.13	N/A
EFR3A	ENST00000254624.5	EFR3 homolog A (S. cerevisiae)	372	1	0	0	1	0	0	rno-miR-540-3p	-0.13	-0.13	N/A
PIP5K1L	ENST00000388747.4	phosphatidylinositol-4-phosphate 5-kinase-like 1	12	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.21	N/A
RASL12	ENST00000220062.4	RAS-like, family 12	39	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
TMEM132B	ENST00000299308.3	transmembrane protein 132B	5	1	0	1	0	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
TMEM151B	ENST00000451188.2	transmembrane protein 151B	5	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
NOL9	ENST00000377705.5	nucleolar protein 9	194	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.21	N/A
PHF17	ENST00000226319.6	PHD finger protein 17	1393	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.13	N/A
RBM28	ENST00000223073.2	RNA binding motif protein 28	297	2	1	0	1	1	0	rno-miR-540-3p	-0.12	-0.28	N/A
GUICY1A2	ENST00000526355.2	guanylate cyclase 1, soluble, alpha 2	24	1	0	1	0	2	0	rno-miR-540-3p	-0.12	-0.16	N/A
KCNJ15	ENST00000328656.4	potassium inwardly-rectifying channel, subfamily J, member 15	5	1	0	0	1	1	0	rno-miR-540-3p	-0.12	-0.12	N/A
FAM117A	ENST00000240364.2	family with sequence similarity 117, member A	185	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
HS6ST1	ENST00000259241.6	heparan sulfate 6-O-sulfotransferase 1	22	1	0	1	0	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
CD22	ENST00000544992.2	CD22 molecule	13	1	0	1	0	0	0	rno-miR-540-3p	-0.12	-0.21	N/A
RNF111	ENST00000348370.4	ring finger protein 111	395	1	0	1	0	0	0	rno-miR-540-3p	-0.12	-0.15	N/A
CCSAP	ENST00000366687.1	centriole, cilia and spindle-associated protein	1210	1	0	1	0	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
SEPT8	ENST00000378706.1	septin 8	199	1	0	0	1	1	0	rno-miR-540-3p	-0.12	-0.15	N/A
ECHDC2	ENST00000371522.4	enoyl CoA hydratase domain containing 2	172	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.26	N/A
KIF5A	ENST00000455537.2	kinesin family member 5A	5	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
SPATA13	ENST00000382108.3	spermatogenesis associated 13	900	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
MKNK2	ENST00000591601.1	MAP kinase interacting serine/threonine kinase 2	215	1	0	0	1	2	0	rno-miR-540-3p	-0.12	-0.12	N/A
SNX27	ENST00000368843.3	sorting nexin family member 27	46	1	0	0	1	1	0	rno-miR-540-3p	-0.12	-0.12	N/A
SP8	ENST00000418710.2	Sp8 transcription factor	95	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.13	N/A
Clorf25	ENST00000282059.6	chromosome 18 open reading frame 25	688	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.13	N/A
MLEC	ENST00000228506.3	malectin	12084	2	0	1	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
LEM3	ENST00000308330.2	LEM domain containing 3	189	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.14	N/A
TMCC3	ENST00000261226.4	transmembrane and coiled-coil domain family 3	70	1	0	1	0	1	0	rno-miR-540-3p	-0.12	-0.19	N/A
XPR1	ENST00000367590.4	xenotropic and polytropic retrovirus receptor 1	544	2	0	0	2	0	0	rno-miR-540-3p	-0.12	-0.3	N/A
C6orf141	ENST00000529246.2	chromosome 6 open reading frame 141	28	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.19	N/A
HMCN2	ENST00000428715.1	hemicentin 2	10	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
IQSEC3	ENST00000538872.1	IQ motif and Sec7 domain 3	5	2	1	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
BICC1	ENST00000378866.3	bicaudal C homolog 1 (Drosophila)	165	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
EYA1	ENST00000388742.4	eyes absent homolog 1 (Drosophila)	222	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
KRT32	ENST00000225899.3	keratin 32	5	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
DNAJC11	ENST00000377577.5	DnaJ (Hsp40) homolog, subfamily C, member 11	361	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.24	N/A
OTUD7B	ENST00000369135.4	OTU domain containing 7B	299	1	1	0	0	2	0	rno-miR-540-3p	-0.12	-0.14	N/A
IPO9	ENST00000361565.4	importin 9	3549	2	0	1	1	2	0	rno-miR-540-3p	-0.12	-0.3	N/A
GAB2	ENST00000340149.2	GRB2-associated binding protein 2	627	1	0	1	0	2	0	rno-miR-540-3p	-0.12	-0.12	N/A
GGPS1	ENST00000282841.5	geranylgeranyl diphosphate synthase 1	184	1	0	1	0	0	0	rno-miR-540-3p	-0.12	-0.36	N/A
NDRG4	ENST00000258187.5	NDRG family member 4	68	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.13	N/A
INO80D	ENST00000403263.1	INO80 complex subunit D	5	2	1	1	0	3	0	rno-miR-540-3p	-0.12	-0.12	N/A
RAB27B	ENST00000262094.5	RAB27B, member RAS oncogene family	5	1	0	0	1	1	0	rno-miR-540-3p	-0.12	-0.12	N/A
PKDCC	ENST00000294964.5	protein kinase domain containing, cytoplasmic	123	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
WWOX	ENST00000539474.2	WW domain containing oxidoreductase	48	1	0	1	0	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
LEPRE1	ENST00000236040.4	leucine proline-enriched proteoglycan (deprecate) 1	4638	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
ARHGAP19-SLIT1	ENST00000453547.2	ARHGAP19-SLIT1 readthrough (NMD candidate)	15	2	0	1	1	4	0	rno-miR-540-3p	-0.12	-0.12	N/A
KIAA1161	ENST00000297625.7	KIAA1161	18	1	0	0	1	1	0	rno-miR-540-3p	-0.12	-0.12	N/A
RBI	ENST00000267163.4	retinoblastoma 1	1891	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
PPF1A1	ENST00000253925.7	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1	760	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
MRAS	ENST00000289104.4	muscle RAS oncogene homolog	181	2	0	0	2	1	0	rno-miR-540-3p	-0.12	-0.41	N/A
CDK19	ENST00000368911.3	cyclin-dependent kinase 19	51	3	1	2	0	0	0	rno-miR-540-3p	-0.12	-0.21	N/A
RBMX2	ENST00000305536.6	RNA binding motif protein, X-linked 2	139	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.23	N/A
USP13	ENST00000263966.3	ubiquitin specific peptidase 13 (isopeptidase T-3)	379	1	0	0	1	3	0	rno-miR-540-3p	-0.12	-0.15	N/A
FAM83G	ENST00000388995.6	family with sequence similarity 83, member G	322	1	1	0	0	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
TSKU	ENST00000333090.4	tsukushi, small leucine rich proteoglycan	293	1	0	0	1	5	0	rno-miR-540-3p	-0.12	-0.28	N/A
SETD3	ENST00000331768.5	SET domain containing 3	58	2	0	0	2	1	0	rno-miR-540-3p	-0.12	-0.28	N/A
SLC16A2	ENST00000587091.1	solute carrier family 16, member 2 (thyroid hormone transporter)	22	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
PRMT6	ENST00000370078.1	protein arginine methyltransferase 6	270	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
GAK	ENST00000314167.4	cyclin G associated kinase	8	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
OTUD4	ENST00000454497.2	OTU domain containing 4	18	1	0	0	1	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
RASL10B	ENST00000268864.3	RAS-like, family 10, member B	1495	1	0	1	0	0	0	rno-miR-540-3p	-0.12	-0.12	N/A
KPNA6	ENST00000373625.3	karyopherin alpha 6 (importin alpha 7)	272	2	0								

DNAJC10	ENST00000264065.7	DnaI (Hsp40) homolog, subfamily C, member 10	709	2	1	0	1	1	rno-miR-540-3p	-0.11	-0.37	N/A
XIAP	ENST00000371199.3	X-linked inhibitor of apoptosis	153	1	0	0	1	0	rno-miR-540-3p	-0.11	-0.17	N/A
TTC4	ENST00000371281.3	tetratricopeptide repeat domain 4	575	1	1	0	0	1	rno-miR-540-3p	-0.11	-0.38	N/A
AR	ENST00000374690.3	androgen receptor	57	2	0	0	2	0	rno-miR-540-3p	-0.1	-0.11	N/A
TUFT1	ENST00000368849.3	tuffelin 1	599	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
ZNF609	ENST00000326648.3	zinc finger protein 609	103	2	0	1	1	2	rno-miR-540-3p	-0.1	-0.1	N/A
KIF11	ENST00000260731.3	kinesin family member 11	256	1	1	0	0	1	rno-miR-540-3p	-0.1	-0.31	N/A
TPPP	ENST00000360578.5	tubulin polymerization promoting protein	7	1	0	0	1	1	rno-miR-540-3p	-0.1	-0.25	N/A
DNM1L	ENST00000452533.2	dynamin 1-like	399	2	1	1	0	1	rno-miR-540-3p	-0.1	-0.57	N/A
DBN1	ENST00000512501.1	drebrin 1	9937	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.11	N/A
CCDC14	ENST00000488653.2	coiled-coil domain containing 14	275	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.14	N/A
HPS2	ENST00000370546.1	heparanase 2	12	1	0	0	1	1	rno-miR-540-3p	-0.1	-0.19	N/A
JAZF1	ENST00000283928.5	JAZF zinc finger 1	869	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.28	N/A
ADCY9	ENST00000294016.3	adenylate cyclase 9	166	1	0	0	1	1	rno-miR-540-3p	-0.1	-0.14	N/A
ZNF395	ENST00000344423.5	zinc finger protein 395	1044	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.11	N/A
RNF169	ENST00000299563.4	ring finger protein 169	204	2	0	1	1	1	rno-miR-540-3p	-0.1	-0.11	N/A
RTKN2	ENST00000373789.3	rhokin 2	192	1	0	0	1	1	rno-miR-540-3p	-0.1	-0.1	N/A
CNR1	ENST00000362094.5	cannabinoid receptor 1 (brain)	40	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
ADD2	ENST00000264436.4	adducin 2 (beta)	59	1	0	1	0	3	rno-miR-540-3p	-0.1	-0.15	N/A
RNF152	ENST00000312828.3	ring finger protein 152	57	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.12	N/A
PDE10A	ENST00000366882.1	phosphodiesterase 10A	371	2	1	0	1	0	rno-miR-540-3p	-0.1	-0.15	N/A
ONECUT1	ENST00000560699.2	one cut homeobox 1	10	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.23	N/A
PIKFYVE	ENST00000264380.4	phosphoinositide kinase, FYVE finger containing	107	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.11	N/A
SLC37A2	ENST00000298280.5	solute carrier family 37 (glucose-6-phosphate transporter), member 2	118	2	0	1	1	1	rno-miR-540-3p	-0.1	-0.26	N/A
AMMECR1L	ENST00000272647.5	AMMECR1-like	21	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
BMPR2	ENST00000374574.2	bone morphogenetic protein receptor, type II (serine/threonine kinase)	287	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.17	N/A
IGF1R	ENST00000268035.6	insulin-like growth factor 1 receptor	561	1	0	0	1	2	rno-miR-540-3p	-0.1	-0.14	N/A
KPNA1	ENST00000344337.6	karyopherin alpha 1 (importin alpha 5)	1030	3	1	1	1	1	rno-miR-540-3p	-0.1	-0.49	N/A
FEM1B	ENST00000306917.4	fem-1 homolog B (C. elegans)	656	1	0	1	0	2	rno-miR-540-3p	-0.1	-0.18	N/A
MMP14	ENST00000311852.6	matrix metalloproteinase 14 (membrane-inserted)	276	1	0	1	0	1	rno-miR-540-3p	-0.1	-0.12	N/A
DTNA	ENST00000283365.9	dystrobrevin, alpha	144	1	0	1	0	1	rno-miR-540-3p	-0.1	-0.1	N/A
RCOR3	ENST00000367006.4	REST corepressor 3	374	2	0	1	1	0	rno-miR-540-3p	-0.1	-0.13	N/A
AC026202.1	ENST00000600805.1	Uncharacterized protein	10	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
ZNF148	ENST00000360647.4	zinc finger protein 148	230	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.15	N/A
PCSK1	ENST00000311106.3	proprotein convertase subtilisin/kexin type 1	83	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.21	N/A
MRM1	ENST00000250156.7	mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae)	84	1	0	1	0	1	rno-miR-540-3p	-0.1	-0.25	N/A
TM9SF3	ENST00000311742.4	transmembrane 9 superfamily member 3	1030	1	0	0	1	1	rno-miR-540-3p	-0.1	-0.24	N/A
TTCT1	ENST0000039989.4	tetratricopeptide repeat domain 17	27	1	0	1	0	1	rno-miR-540-3p	-0.1	-0.12	N/A
NEDD4	ENST00000338963.2	neural precursor cell expressed, developmentally down-regulated 4, E3 ubiquitin protein	289	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
BLOC1S6	ENST00000220531.3	biogenesis of lysosomal organelles complex-1, subunit 6, pallidin	1754	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
LHFPPL3	ENST00000535008.1	lipoma HMGIC fusion partner-like 3	5	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
TNR	ENST00000367674.2	tenascin R	5	2	0	1	1	1	rno-miR-540-3p	-0.1	-0.1	N/A
PCSK5	ENST00000376752.4	proprotein convertase subtilisin/kexin type 5	68	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
BEND4	ENST00000504360.1	BEN domain containing 4	187	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
ZNF805	ENST00000535501.1	zinc finger protein 805	58	1	0	1	0	1	rno-miR-540-3p	-0.1	-0.26	N/A
HEMK1	ENST00000232854.4	HemK methyltransferase family member 1	99	3	0	2	1	1	rno-miR-540-3p	-0.1	-0.21	N/A
DUSP16	ENST00000298573.4	dual specificity phosphatase 16	444	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
AQP2	ENST00000199280.3	aquaporin 2 (collecting duct)	5	1	0	1	0	1	rno-miR-540-3p	-0.1	-0.1	N/A
NYAP1	ENST00000300179.2	neuronal tyrosine-phosphorylated phosphoinositide-3-kinase adaptor 1	5	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
CDC42SE2	ENST00000505065.1	CDC42 small effector 2	1057	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.12	N/A
FMN1	ENST00000334528.9	formin 1	25	3	0	1	2	0	rno-miR-540-3p	-0.1	-0.18	N/A
WHSC1	ENST00000382895.3	Wolf-Hirschhorn syndrome candidate 1	1148	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
ACBD3	ENST00000366812.5	acyl-CoA binding domain containing 3	828	1	0	0	1	1	rno-miR-540-3p	-0.1	-0.1	N/A
NEDD9	ENST00000379446.5	neural precursor cell expressed, developmentally down-regulated 9	1164	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.11	N/A
C15orf38-AP3S2	ENST00000398333.3	C15orf38-AP3S2 readthrough	985	2	1	0	1	0	rno-miR-540-3p	-0.1	-0.34	N/A
ESRRG	ENST00000361525.3	estrogen-related receptor gamma	5	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
OVOL1	ENST00000335987.3	ovo-like 1 (Drosophila)	5	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
CLDN2	ENST00000336803.1	claudin 2	19	1	0	1	0	1	rno-miR-540-3p	-0.1	-0.1	N/A
MCF2L	ENST00000397030.1	MCF-2 cell line derived transforming sequence-like	79	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
KIAA0087	ENST00000242109.3	KIAA0087	5	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
ARPC4-TTL3	ENST00000397256.1	ARPC4-TTL3 readthrough	17	1	0	1	0	1	rno-miR-540-3p	-0.1	-0.22	N/A
NLRCS	ENST00000436936.1	NLR family, CARD domain containing 5	40	1	0	1	0	1	rno-miR-540-3p	-0.1	-0.1	N/A
SYBU	ENST00000533895.1	syntabulin (syntaxin-interacting)	83	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.23	N/A
ANKRD27	ENST00000306065.4	ankyrin repeat domain 27 (VPS9 domain)	349	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
ESRP2	ENST0000056588.1	epithelial splicing regulatory protein 2	320	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
SOST	ENST00000301691.2	sclerostin	10	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
GLDN	ENST0000035449.6	gliomedin	9	1	0	1	0	1	rno-miR-540-3p	-0.1	-0.1	N/A
OLFML2A	ENST00000288815.5	olfactomedin-like 2A	155	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
ATOX1	ENST00000521264.1	antioxidant 1 copper chaperone	43	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.11	N/A
UVRAG	ENST00000356136.3	UV radiation resistance associated	116	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.2	N/A
PEAK1	ENST00000312493.4	pseudopodium-enriched atypical kinase 1	209	2	0	0	2	1	rno-miR-540-3p	-0.1	-0.1	N/A
BMPER	ENST00000297161.2	BMP binding endothelial regulator	723	2	1	0	1	0	rno-miR-540-3p	-0.1	-0.35	N/A
GPR107	ENST00000372410.3	G protein-coupled receptor 107	1429	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.12	N/A
FURIN	ENST00000268171.3	furin (paired basic amino acid cleaving enzyme)	2306	1	0	0	1	1	rno-miR-540-3p	-0.1	-0.1	N/A
SV2C	ENST00000502798.2	synaptic vesicle glycoprotein 2C	30	1	0	0	1	1	rno-miR-540-3p	-0.1	-0.1	N/A
WDFY4	ENST00000413659.2	WDFY family member 4	5	2	1	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
PLD1	ENST00000342215.6	phospholipase D1, phosphatidylcholine-specific	128	1	0	1	0	1	rno-miR-540-3p	-0.1	-0.18	N/A
FAM168A	ENST000003064778.4	family with sequence similarity 168, member A	68	1	0	1	0	2	rno-miR-540-3p	-0.1	-0.14	N/A
KLHL28	ENST00000396128.4	kelch-like family member 28	9	1	1	0	0	0	rno-miR-540-3p	-0.1	-0.19	N/A
TM110B	ENST00000254616.6	translocase of inner mitochondrial membrane 10 homolog B (yeast)	290	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.23	N/A
SEMA6D	ENST00000535999.3	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D	179	1	0	0	1	1	rno-miR-540-3p	-0.1	-0.1	N/A
FNDC3A	ENST00000492622.2	fibronectin type III domain containing 3A	122	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.14	N/A
POM121C	ENST00000257665.5	POM121 transmembrane nucleoporin C	5	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
SLC34A2	ENST00000382051.3	solute carrier family 34 (type II sodium/phosphate cotransporter), member 2	5	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
GPRIN2	ENST00000374314.4	G protein regulated inducer of neurite outgrowth 2	5	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
Csor172	ENST00000380003.3	chromosome 9 open reading frame 72	25	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
ZBTB43	ENST00000449886.1	zinc finger and BTB domain containing 43	396	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
LDLRAD2	ENST00000344642.2	low density lipoprotein receptor class A domain containing 2	5	1	0	0	1	1	rno-miR-540-3p	-0.1	-0.1	N/A
NFAM1	ENST00000329021.5	NFAT activating protein with ITAM motif 1	7	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
EPB41L3	ENST00000341928.2	erythrocyte membrane protein band 4.1-like 3	179	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.13	N/A
DSE	ENST00000452085.3	dermatan sulfate epimerase	975	1	0	0	1	3	rno-miR-540-3p	-0.1	-0.14	N/A
ARHGAP22	ENST00000249601.4	Rho GTPase activating protein 22	10	2	1	0	1	1	rno-miR-540-3p	-0.1	-0.25	N/A
UBP1	ENST00000283629.3	upstream binding protein 1 (LBP-1a)	1418	1	0	1	0	3	rno-miR-540-3p	-0.1	-0.19	N/A
CNTNAP2	ENST00000361727.3	contactin associated protein-like 2	29	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.12	N/A
FBXO45	ENST00000311630.6	F-box protein 45	72	1	1	0	0	0	rno-miR-540-3p	-0.1	-0.24	N/A
KIF18B	ENST00000587309.1	kinesin family member 18B	172	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
DDI2	ENST00000480945.1	DNA-damage inducible 1 homolog 2 (S. cerevisiae)	357	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
ATP2A3	ENST00000309890.7	ATPase, Ca++ transporting, ubiquitous	40	1	0	1	0	0	rno-miR-540-3p	-0.1	-0.1	N/A
SHE	ENST00000304760.2	Src homology 2 domain containing E	9	1	0	0	1	0	rno-miR-540-3p	-0.1	-0.1	N/A
ASB1	ENST00000264607.4	ankyrin repeat and SOCS box containing 1	408	2	0	1	1	1	rno-miR			

PITPNM2	ENST00000280562.5	phosphatidylinositol transfer protein, membrane-associated 2	66	1	0	0	1	2	rno-miR-540-3p	-0.09	-0.09	N/A	
POLD3	ENST00000263681.2	polymerase (DNA-directed), delta 3, accessory subunit	371	1	0	1	0	2	rno-miR-540-3p	-0.09	-0.09	N/A	
MYPOP	ENST00000322175.5	Myb-related transcription factor, partner of profilin	41	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.15	N/A	
WNT7B	ENST00000339464.4	wingless-type MMTV integration site family, member 7B	41	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.09	N/A	
RCOR1	ENST00000262241.6	REST corepressor 1	403	1	0	0	1	1	rno-miR-540-3p	-0.09	-0.14	N/A	
ABTB2	ENST00000452242.4	ankyrin repeat and BTB (POZ) domain containing 2	5	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.09	N/A	
DOK4	ENST00000566936.1	docking protein 4	183	1	0	0	1	0	rno-miR-540-3p	-0.09	-0.13	N/A	
KCTD2	ENST00000322444.6	potassium channel tetramerization domain containing 2	3328	1	0	0	1	0	rno-miR-540-3p	-0.09	-0.09	N/A	
TNFRSF11A	ENST00000586569.1	tumor necrosis factor receptor superfamily, member 11a, NFKB activator	93	1	0	0	1	1	0	rno-miR-540-3p	-0.09	-0.22	N/A
SENPI	ENST00000049805.5	SUMO1/sentrin specific peptidase 1	361	1	0	0	1	1	rno-miR-540-3p	-0.09	-0.18	N/A	
ZC3H13	ENST00000242848.4	zinc finger CCHC-type containing 13	229	1	0	0	1	1	rno-miR-540-3p	-0.09	-0.19	N/A	
MDGA1	ENST00000297153.7	MAM domain containing glycosylphosphatidylinositol anchor 1	240	2	0	1	1	3	rno-miR-540-3p	-0.09	-0.09	N/A	
CD44	ENST00000278386.6	CD44 molecule (Indian blood group)	1543	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.16	N/A	
TNS3	ENST00000311609.9	tensin 3	28	1	0	0	1	0	rno-miR-540-3p	-0.09	-0.09	N/A	
AAGAB	ENST00000261880.5	alpha- and gamma-adaptin binding protein	2536	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.09	N/A	
AMER3	ENST00000423981.1	APC membrane recruitment protein 3	5	2	0	1	1	0	rno-miR-540-3p	-0.09	-0.09	N/A	
IL6ST	ENST00000381287.4	interleukin 6 signal transducer (gp130, oncostatin M receptor)	213	1	0	0	1	0	rno-miR-540-3p	-0.09	-0.09	N/A	
SMAD9	ENST00000399275.2	SMAD family member 9	62	1	0	1	0	1	rno-miR-540-3p	-0.09	-0.09	N/A	
ABC9B	ENST00000280560.8	ATP-binding cassette, sub-family B (MDR/TAP), member 9	13	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.17	N/A	
NACC2	ENST00000371753.1	NACC family member 2, BEN and BTB (POZ) domain containing	172	1	0	0	1	2	rno-miR-540-3p	-0.09	-0.13	N/A	
CDC5L	ENST00000371477.3	cell division cycle 5-like	115	1	0	0	1	1	rno-miR-540-3p	-0.09	-0.09	N/A	
NPHP3	ENST00000326682.8	nephronophthisis 3 (adolescent)	44	1	0	0	1	1	rno-miR-540-3p	-0.09	-0.09	N/A	
ABHD17C	ENST00000258884.4	abhydrolase domain containing 17C	406	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.09	N/A	
STAT1	ENST00000540176.1	signal transducer and activator of transcription 1, 91kDa	326	1	0	0	1	0	rno-miR-540-3p	-0.09	-0.09	N/A	
GRIN3A	ENST00000361820.3	glutamate receptor, ionotropic, N-methyl-D-aspartate 3A	5	1	0	0	1	0	rno-miR-540-3p	-0.09	-0.09	N/A	
TMEM109	ENST00000272525.3	transmembrane protein 109	4675	1	0	0	1	0	rno-miR-540-3p	-0.09	-0.09	N/A	
NFYA	ENST00000341376.6	nuclear transcription factor Y, alpha	177	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.12	N/A	
ERMP1	ENST00000381506.3	endoplasmic reticulum metalloproteinase 1	53	1	0	0	1	0	rno-miR-540-3p	-0.09	-0.2	N/A	
TSPAN9	ENST00000557971.1	tetraspanin 9	1410	1	0	1	0	2	rno-miR-540-3p	-0.09	-0.17	N/A	
ENY2	ENST00000520147.1	enhancer of yellow 2 homolog (Drosophila)	1814	1	1	0	0	0	rno-miR-540-3p	-0.09	-0.45	N/A	
ADARB2	ENST00000381312.1	adenosine deaminase, RNA-specific, B2 (non-functional)	9	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.19	N/A	
TAP2	ENST00000374897.2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	466	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.09	N/A	
PEX11A	ENST00000300056.3	peroxisomal biogenesis factor 11 alpha	82	1	0	0	1	0	rno-miR-540-3p	-0.09	-0.09	N/A	
RBM47	ENST00000319592.4	RNA binding motif protein 47	264	1	0	1	0	1	rno-miR-540-3p	-0.09	-0.09	N/A	
TTBK2	ENST00000267890.6	tau tubulin kinase 2	18	1	0	0	1	1	rno-miR-540-3p	-0.09	-0.1	N/A	
ZRANB1	ENST00000359653.4	zinc finger, RAN-binding domain containing 1	724	2	0	1	1	0	rno-miR-540-3p	-0.09	-0.26	N/A	
ZNF516	ENST00000443182.2	zinc finger protein 516	311	1	0	0	1	1	rno-miR-540-3p	-0.09	-0.09	N/A	
GPR135	ENST00000395116.1	G protein-coupled receptor 135	40	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.09	N/A	
PRDM6	ENST00000407847.4	PR domain containing 6	69	1	0	0	1	1	rno-miR-540-3p	-0.09	-0.1	N/A	
SV2A	ENST00000369146.3	synaptic vesicle glycoprotein 2A	10	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.09	N/A	
TOLLIP	ENST00000317204.6	toll interacting protein	1536	1	0	0	1	2	rno-miR-540-3p	-0.09	-0.19	N/A	
RASSF8	ENST00000541490.1	Ras association (RalGDS/AF-6) domain family (N-terminal) member 8	1290	1	1	0	0	1	rno-miR-540-3p	-0.09	-0.09	N/A	
MCP2	ENST00000303391.6	methyl CpG binding protein 2 (Rett syndrome)	1474	3	0	0	3	0	rno-miR-540-3p	-0.09	-0.53	N/A	
CTC1	ENST00000315684.8	CTS telomere maintenance complex component 1	252	1	0	1	0	2	rno-miR-540-3p	-0.09	-0.24	N/A	
IQCE	ENST00000402050.2	IQ motif containing E	687	1	0	0	1	0	rno-miR-540-3p	-0.09	-0.09	N/A	
ERBB4	ENST00000342788.4	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 4	27	1	0	0	1	1	rno-miR-540-3p	-0.09	-0.09	N/A	
SOX3	ENST00000370536.2	SRY (sex determining region Y)-box 3	5	1	0	1	0	0	rno-miR-540-3p	-0.09	-0.09	N/A	
OPHN1	ENST00000355205.5	oligophrenin 1	54	1	0	1	0	1	rno-miR-540-3p	-0.09	-0.09	N/A	
CYP7B1	ENST00000310193.3	cytochrome P450, family 7, subfamily B, polypeptide 1	53	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.09	N/A	
DHX36	ENST00000496811.1	DEAH (Asp-Glu-Ala-His) box polypeptide 36	108	1	0	1	0	0	rno-miR-540-3p	-0.08	-0.22	N/A	
AIFM2	ENST00000307864.1	apoptosis-inducing factor, mitochondrial-associated, 2	334	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.18	N/A	
DDX6	ENST00000264018.4	DEAD (Asp-Glu-Ala-Asp) box helicase 6	11	1	0	0	1	1	rno-miR-540-3p	-0.08	-0.18	N/A	
NOD1	ENST00000222823.4	nucleotide-binding oligomerization domain containing 1	31	1	0	0	1	1	rno-miR-540-3p	-0.08	-0.21	N/A	
PIGK	ENST00000370812.3	phosphatidylinositol glycan anchor biosynthesis, class K	1203	1	0	1	0	1	rno-miR-540-3p	-0.08	-0.16	N/A	
GRAMD1B	ENST00000529750.1	GRAM domain containing 1B	35	2	0	2	0	0	rno-miR-540-3p	-0.08	-0.11	N/A	
AGAP1	ENST00000304032.8	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1	109	2	0	1	1	2	rno-miR-540-3p	-0.08	-0.13	N/A	
AC007040.11	ENST00000606025.1		12	2	0	1	1	1	rno-miR-540-3p	-0.08	-0.21	N/A	
RFC1	ENST00000349703.2	replication factor C (activator 1) 1, 145kDa	205	1	0	1	0	1	rno-miR-540-3p	-0.08	-0.16	N/A	
FGF19	ENST00000294312.3	fibroblast growth factor 19	19	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.2	N/A	
INTS3	ENST00000318967.2	integrator complex subunit 3	88	1	0	1	0	0	rno-miR-540-3p	-0.08	-0.08	N/A	
NRG2	ENST00000394770.1	neuregulin 2	9	1	0	0	1	1	rno-miR-540-3p	-0.08	-0.08	N/A	
CDK14	ENST00000380050.3	cyclin-dependent kinase 14	226	1	0	1	0	0	rno-miR-540-3p	-0.08	-0.09	N/A	
CELF1	ENST00000395290.2	CUGBP, Elav-like family member 1	153	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.09	N/A	
SYNPO2	ENST00000429713.2	synaptopodin 2	105	1	0	0	1	1	rno-miR-540-3p	-0.08	-0.09	N/A	
PTBP2	ENST00000609116.1	polypyrimidine tract binding protein 2	173	1	0	0	1	1	rno-miR-540-3p	-0.08	-0.2	N/A	
GSE1	ENST00000253458.7	Gsel coiled-coil protein	70	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.08	N/A	
DCAF7	ENST00000310827.4	DDB1 and CUL4 associated factor 7	3289	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.08	N/A	
ZBTB42	ENST00000342537.7	zinc finger and BTB domain containing 42	182	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.08	N/A	
UBE2G1	ENST00000396981.2	ubiquitin-conjugating enzyme E2G 1	5620	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.1	N/A	
TRIP12	ENST00000283943.5	thyroid hormone receptor interactor 12	145	1	0	1	0	1	rno-miR-540-3p	-0.08	-0.13	N/A	
KIAA1467	ENST00000197268.8	KIAA1467	509	1	0	1	0	0	rno-miR-540-3p	-0.08	-0.08	N/A	
NOP9	ENST00000396802.3	NOP9 nucleolar protein	353	1	0	1	0	1	rno-miR-540-3p	-0.08	-0.13	N/A	
RSPH9	ENST00000372163.4	radial spoke head 9 homolog (Chlamydomonas)	13	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.23	N/A	
NAPA	ENST00000263354.3	N-ethylmaleimide-sensitive factor attachment protein, alpha	49	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.2	N/A	
WDR70	ENST00000265107.4	WD repeat domain 70	23	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.14	N/A	
PP1FBP1	ENST00000318304.8	PTPRF interacting protein, binding protein 1 (liprin beta 1)	341	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.11	N/A	
TLDC2	ENST00000217320.3	TBC1LysM-associated domain containing 2	5	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.08	N/A	
SLC35F3	ENST00000366618.3	solute carrier family 35, member F3	5	1	0	1	0	0	rno-miR-540-3p	-0.08	-0.08	N/A	
HHEX	ENST00000282728.5	hematopoietically expressed homeobox	1059	1	0	1	0	0	rno-miR-540-3p	-0.08	-0.08	N/A	
LHX5	ENST00000261731.3	LIM homeobox 5	5	1	0	1	0	0	rno-miR-540-3p	-0.08	-0.08	N/A	
RUNX1T1	ENST00000523629.1	run-related transcription factor 1; translocated to, 1 (cyclin D-related)	9	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.08	N/A	
ITPR1	ENST00000302640.8	inositol 1,4,5-trisphosphate receptor, type 1	1022	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.08	N/A	
KCTD16	ENST00000507359.3	potassium channel tetramerization domain containing 16	36	1	0	0	1	2	rno-miR-540-3p	-0.08	-0.2	N/A	
TCPI1L1	ENST00000334274.4	t-complex 11, testis-specific-like 1	140	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.19	N/A	
VAMP3	ENST0000054666.6	vesicle-associated membrane protein 3	515	1	0	1	0	0	rno-miR-540-3p	-0.08	-0.12	N/A	
NOS1	ENST00000317775.6	nitric oxide synthase 1 (neuronal)	5	1	0	0	1	2	rno-miR-540-3p	-0.08	-0.08	N/A	
YPYL2	ENST00000312655.4	yyppe-like 2 (Drosophila)	62	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.08	N/A	
ISM2	ENST00000493585.1	ishmin 2	7	1	0	1	0	1	rno-miR-540-3p	-0.08	-0.21	N/A	
PRDM5	ENST00000515109.1	PR domain containing 5	22	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.2	N/A	
ZKSCAN1	ENST00000324306.6	zinc finger with KRAB and SCAN domains 1	1314	1	0	0	1	1	rno-miR-540-3p	-0.08	-0.08	N/A	
GTF1	ENST00000579937.1	G protein-coupled receptor kinase interacting ArfGAP 1	18	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.11	N/A	
PDE4D	ENST00000340635.6	phosphodiesterase 4D, cAMP-specific	747	1	0	1	0	0	rno-miR-540-3p	-0.08	-0.11	N/A	
TUBGCP4	ENST00000564079.1	tubulin, gamma complex associated protein 4	129	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.24	N/A	
TRAK1	ENST00000341421.3	trafficking protein, kinesin binding 1	362	1	0	1	0	0	rno-miR-540-3p	-0.08	-0.08	N/A	
PPARGC1A	ENST00000264867.2	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	19	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.08	N/A	
CACNA2D1	ENST00000356860.3	calcium channel, voltage-dependent, alpha 2(delta subunit 1)	418	1	0	0	1	0	rno-miR-540-3p	-0.08	-0.08	N/A	
TRABD2B	ENST00000606738.2	Trab domain containing 2B	244	1	0	1	0	2	rno-miR-540-3p	-0.08	-0.08	N/A	
PCGF3	ENST00000362003.5	polycomb group ring finger 3	503	1	0	1	0	0					

FOXK2	ENST00000335255.5	forkhead box K2	450	1	0	1	0	0	0	rno-miR-540-3p	-0.03	-0.16	N/A
ZC3H12C	ENST0000027890.3	zinc finger CCH-type containing 12C	150	1	0	1	0	0	2	rno-miR-540-3p	-0.03	-0.03	N/A
EPG5	ENST00000282041.5	ectopic P-granules autophagy protein 5 homolog (C. elegans)	269	1	0	1	0	1	1	rno-miR-540-3p	-0.03	-0.03	N/A
CNTN2	ENST0000031830.4	contactin 2 (axonal)	5	1	0	0	1	0	0	rno-miR-540-3p	-0.03	-0.03	N/A
NETO2	ENST00000562435.1	neuropilin (NRP) and tolloid (TLL)-like 2	723	1	0	0	0	1	0	rno-miR-540-3p	-0.03	-0.33	N/A
SRGAP3	ENST00000383836.3	SLIT-ROBO Rho GTPase activating protein 3	38	1	0	0	1	1	1	rno-miR-540-3p	-0.03	-0.14	N/A
OPA1	ENST00000392438.3	optic atrophy 1 (autosomal dominant)	962	1	0	1	0	1	0	rno-miR-540-3p	-0.03	-0.06	N/A
PYGO2	ENST00000368457.2	pygopus homolog 2 (Drosophila)	35	1	0	0	1	0	1	rno-miR-540-3p	-0.03	-0.11	N/A
BACE2	ENST00000328735.6	beta-site APP-cleaving enzyme 2	79	1	1	0	0	0	0	rno-miR-540-3p	-0.03	-0.08	N/A
COMMD10	ENST00000274458.4	COMMD domain containing 10	108	1	0	0	1	0	1	rno-miR-540-3p	-0.03	-0.2	N/A
GUCY1A3	ENST00000296518.7	guanylate cyclase 1, soluble, alpha 3	42	1	0	0	1	0	0	rno-miR-540-3p	-0.03	-0.23	N/A
TRPC4	ENST00000379705.3	transient receptor potential cation channel, subfamily C, member 4	21	1	1	0	0	0	0	rno-miR-540-3p	-0.03	-0.08	N/A
ZMYM3	ENST00000314425.5	zinc finger, MYM-type 3	137	1	0	1	0	1	0	rno-miR-540-3p	-0.03	-0.03	N/A
KRAS	ENST00000256078.4	Kirsten rat sarcoma viral oncogene homolog	40	1	0	1	0	0	0	rno-miR-540-3p	-0.03	-0.07	N/A
RGS7BP	ENST00000334025.2	regulator of G-protein signaling 7 binding protein	5	2	1	1	0	1	1	rno-miR-540-3p	-0.03	-0.34	N/A
LONRF3	ENST00000304778.7	LON peptidase N-terminal domain and ring finger 3	36	1	0	1	0	0	0	rno-miR-540-3p	-0.03	-0.06	N/A
METRN	ENST00000568223.2	metecrin, glial cell differentiation regulator	57	2	0	1	1	1	1	rno-miR-540-3p	-0.03	-0.32	N/A
SP9	ENST00000394967.2	Sp9 transcription factor	79	1	1	0	0	1	0	rno-miR-540-3p	-0.03	-0.29	N/A
C2orf49	ENST00000258457.2	chromosome 2 open reading frame 49	161	1	0	1	0	0	0	rno-miR-540-3p	-0.03	-0.04	N/A
CELSR2	ENST00000271332.3	cadherin, EGF LAG seven-pass G-type receptor 2	2475	1	0	1	0	0	1	rno-miR-540-3p	-0.03	-0.03	N/A
ATP8A2	ENST00000381655.2	ATPase, aminophospholipid transporter, class I, type 8A, member 2	22	1	0	1	0	0	2	rno-miR-540-3p	-0.03	-0.05	N/A
SRM	ENST00000376957.2	sermidase synthase	46	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.26	N/A
ETNK1	ENST00000266517.4	ethanolamine kinase 1	1047	1	0	0	1	1	0	rno-miR-540-3p	-0.02	-0.13	N/A
NIPA1	ENST00000337435.4	non imprinted in Prader-Willi/Angelman syndrome 1	805	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.14	N/A
LPHN3	ENST00000512091.2	latrophilin 3	93	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.11	N/A
ZNF334	ENST00000457685.2	zinc finger protein 334	36	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.26	N/A
APIB1	ENST00000357586.2	adaptor-related protein complex 1, beta 1 subunit	646	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.22	N/A
TIGD5	ENST00000504548.2	tigger transposable element derived 5	823	1	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.21	N/A
ARHGEF37	ENST00000333677.6	Rho guanine nucleotide exchange factor (GEF) 37	5	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
GN4	ENST00000450593.1	guanine nucleotide binding protein (G protein), gamma 4	1171	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.2	N/A
XYLB	ENST00000207870.3	xylokainase homolog (H. influenzae)	119	1	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.25	N/A
DIP2C	ENST00000280886.6	DIP2 disco-interacting protein 2 homolog C (Drosophila)	359	1	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.03	N/A
NDC1	ENST00000540001.1	NDC1 transmembrane nucleoporin	371	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.07	N/A
Clorf95	ENST00000366788.3	chromosome 1 open reading frame 95	28	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.1	N/A
KIF1C	ENST00000320785.5	kinesin family member 1C	149	1	0	0	1	3	3	rno-miR-540-3p	-0.02	-0.09	N/A
FMNL3	ENST0000035154.5	formin-like 3	132	1	0	1	0	4	4	rno-miR-540-3p	-0.02	-0.08	N/A
COBLL1	ENST00000375458.2	cordon-bleu WH2 repeat protein-like 1	70	1	0	0	1	0	1	rno-miR-540-3p	-0.02	-0.19	N/A
PPL6	ENST00000521072.2	peptidylprolyl isomerase (cyclophilin)-like 6	58	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.2	N/A
TTF2	ENST00000369464.4	transcription termination factor, RNA polymerase II	837	1	1	0	0	1	1	rno-miR-540-3p	-0.02	-0.29	N/A
MPP7	ENST00000375732.1	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	50	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.04	N/A
GJA9	ENST00000454994.2	gap junction protein, alpha 9, 59kDa	85	1	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.22	N/A
STON2	ENST00000267540.2	stonin 2	40	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.03	N/A
SESTD1	ENST00000428443.3	SEC14 and spectrin domains 1	478	1	0	0	1	2	2	rno-miR-540-3p	-0.02	-0.16	N/A
BMF	ENST00000220446.4	Bcl2 modifying factor	179	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.03	N/A
NT5C1A	ENST0000035628.1	5'-nucleotidase, cytosolic 1A	4	1	0	0	1	0	1	rno-miR-540-3p	-0.02	-0.02	N/A
ZNF862	ENST0000022310.4	zinc finger protein 862	7	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.02	N/A
FAM92A1	ENST00000518322.1	family with sequence similarity 92, member A1	80	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.4	N/A
STRBP	ENST00000447404.2	spermatid perinuclear RNA binding protein	575	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.2	N/A
SDPR	ENST00000304141.4	serum deprivation response	38	1	0	0	1	1	1	rno-miR-540-3p	-0.02	-0.17	N/A
SLC43A2	ENST00000301335.5	solute carrier family 43 (amino acid system L transporter), member 2	68	1	0	0	1	2	2	rno-miR-540-3p	-0.02	-0.16	N/A
SLAN2	ENST00000264313.6	SLAN motif family, member 2	859	1	0	0	1	0	0	rno-miR-540-3p	-0.02	-0.14	N/A
CCSER2	ENST00000224756.8	coiled-coil serine-rich protein 2	123	2	0	1	1	1	1	rno-miR-540-3p	-0.02	-0.24	N/A
FST	ENST00000396947.3	folistatin	53	1	0	0	1	0	0	rno-miR-540-3p	-0.02	-0.24	N/A
SRCAP	ENST00000262518.4	Snf2-related CREBBP activator protein	643	2	0	2	0	0	0	rno-miR-540-3p	-0.02	-0.24	N/A
ICMT	ENST00000343813.5	isoprenylcysteine carboxyl methyltransferase	558	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.11	N/A
ASXL1	ENST00000375687.4	additional sex combs like 1 (Drosophila)	2518	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.15	N/A
PEL1	ENST00000320740.7	pellino E3 ubiquitin protein ligase family member 3	257	1	0	0	1	0	1	rno-miR-540-3p	-0.02	-0.16	N/A
SMC1A	ENST0000032213.4	structural maintenance of chromosomes 1A	1626	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.07	N/A
COL11A1	ENST00000370096.3	collagen, type XI, alpha 1	160	1	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.28	N/A
RAB3C	ENST00000282878.4	RAB3C, member RAS oncogene family	242	1	0	0	1	2	2	rno-miR-540-3p	-0.02	-0.33	N/A
CREB5	ENST00000357727.2	cAMP responsive element binding protein 5	54	1	0	0	1	1	1	rno-miR-540-3p	-0.02	-0.03	N/A
ADAMTS4	ENST00000367996.5	ADAM metalloproteinase with thrombospondin type 1 motif, 4	23	1	0	0	1	0	0	rno-miR-540-3p	-0.02	-0.1	N/A
PARVA	ENST00000334956.8	parvin, alpha	1912	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.12	N/A
SMURF1	ENST00000361368.2	SMAD specific E3 ubiquitin protein ligase 1	58	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.04	N/A
SMUG1	ENST00000505128.1	single-strand-selective monofunctional uracil-DNA glycosylase 1	242	1	0	0	1	1	1	rno-miR-540-3p	-0.02	-0.12	N/A
AFF1	ENST00000395146.4	AF4/FMR2 family, member 1	28	1	0	0	1	1	1	rno-miR-540-3p	-0.02	-0.05	N/A
PCDHA5	ENST00000529859.1	protocadherin alpha 5	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
PCDHA3	ENST00000522353.2	protocadherin alpha 3	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
PCDHA9	ENST00000532602.1	protocadherin alpha 9	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
PCDHA7	ENST00000525929.1	protocadherin alpha 7	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
PCDHA4	ENST00000530339.1	protocadherin alpha 4	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
PCDHA1	ENST00000504120.2	protocadherin alpha 1	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
TIMM8B	ENST00000504148.2	translocase of inner mitochondrial membrane 8 homolog B (yeast)	12	1	0	0	1	0	1	rno-miR-540-3p	-0.02	-0.17	N/A
PCDHA2	ENST00000526136.1	protocadherin alpha 2	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
FAM102A	ENST00000378095.1	family with sequence similarity 102, member A	85	1	0	0	1	0	1	rno-miR-540-3p	-0.02	-0.14	N/A
PCDHA10	ENST00000307360.5	protocadherin alpha 10	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
PCDHA6	ENST00000529310.1	protocadherin alpha 6	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
SNAPC3	ENST00000380821.3	small nuclear RNA activating complex, polypeptide 3, 50kDa	2406	1	1	0	0	1	1	rno-miR-540-3p	-0.02	-0.48	N/A
PCDHA8	ENST00000531613.1	protocadherin alpha 8	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
PCDHAC1	ENST0000025807.2	protocadherin alpha subfamily C, 1	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
PCDHA11	ENST00000398640.2	protocadherin alpha 11	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
PCDHA13	ENST00000289272.2	protocadherin alpha 13	86	1	0	1	0	1	1	rno-miR-540-3p	-0.02	-0.18	N/A
LDLRAD3	ENST00000315571.5	low density lipoprotein receptor class A domain containing 3	90	1	0	0	1	0	1	rno-miR-540-3p	-0.02	-0.02	N/A
SCAMP5	ENST0000042597.3	secretory carrier membrane protein 5	127	1	0	0	1	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
TMEM132C	ENST00000435159.2	transmembrane protein 132C	5	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
RNF44	ENST00000274811.4	ring finger protein 44	1623	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.02	N/A
KCNK12	ENST00000327876.4	potassium channel, subfamily K, member 12	5	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
BCR	ENST00000305877.8	breakpoint cluster region	5	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
MLL74	ENST00000400822.3	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	232	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
ASXL2	ENST00000435504.4	additional sex combs like 2 (Drosophila)	139	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.02	N/A
KIAA0100	ENST00000528896.2	KIAA0100	12	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
ARID3B	ENST00000346246.5	AT rich interactive domain 3B (BRIGHT-like)	11	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
TRIM62	ENST00000291416.5	tripartite motif containing 62	28	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
SIPAL13	ENST00000222345.6	signal-induced proliferation-associated 1 like 3	1578	1	0</								

SUN1	ENST00000456758.2	Sad1 and UNC84 domain containing 1	376	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
TTC7A	ENST00000319190.5	tetratricopeptide repeat domain 7A	400	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
ANTXR2	ENST00000403729.2	anthrax toxin receptor 2	51	1	0	0	0	1	0	rno-miR-540-3p	-0.02	-0.21	N/A
KSRI	ENST00000398988.3	kinase suppressor of ras 1	256	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
NABP1	ENST00000410026.2	nucleic acid binding protein 1	938	2	1	0	1	0	0	rno-miR-540-3p	-0.02	-0.51	N/A
SCRN1	ENST00000242059.1	secernin 1	29	1	0	1	0	0	1	rno-miR-540-3p	-0.02	-0.03	N/A
CLASP1	ENST0000049078.3	cytoplasmic linker associated protein 1	210	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
TTC28	ENST00000397906.2	tetratricopeptide repeat domain 28	227	1	0	1	0	0	1	rno-miR-540-3p	-0.02	-0.07	N/A
CLYBL	ENST00000376355.3	citrate lyase beta like	108	2	0	1	1	1	1	rno-miR-540-3p	-0.02	-0.32	N/A
FAM49B	ENST00000519824.2	family with sequence similarity 49, member B	52	1	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.21	N/A
AQR	ENST00000156471.5	aquarius intron-binding spliceosomal factor	314	1	0	0	0	1	2	rno-miR-540-3p	-0.02	-0.25	N/A
CYTH3	ENST00000350796.3	cytohesin 3	248	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
APBP2	ENST00000083182.3	amyloid beta precursor protein (cytoplasmic tail) binding protein 2	907	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.12	N/A
FAM126B	ENST00000418596.3	family with sequence similarity 126, member B	132	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.06	N/A
CLK2	ENST00000361168.5	CDC-like kinase 2	77	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.32	N/A
ASTN2	ENST00000341734.4	astrotactin 2	39	2	0	0	2	0	0	rno-miR-540-3p	-0.02	-0.35	N/A
LPN2	ENST00000370715.1	latrophilin 2	407	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
MNT	ENST00000174618.4	MNT, MAX dimerization protein	146	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
MTHFD2	ENST00000394053.2	methylene tetrahydrofolate dehydrogenase (NADP+ dependent) 2, methylenetetrahydrofolate cyclohydrolase	330	1	0	0	1	0	0	rno-miR-540-3p	-0.02	-0.14	N/A
RAB3GAP2	ENST00000358951.2	RAB3 GTPase activating protein subunit 2 (non-catalytic)	461	1	0	0	1	0	0	rno-miR-540-3p	-0.02	-0.03	N/A
PAPP5	ENST00000357464.3	PAP associated domain containing 5	152	1	0	0	1	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
PCDHGC5	ENST00000252087.1	protocadherin gamma subfamily C, 5	145	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.21	N/A
TMEM120B	ENST00000449592.2	transmembrane protein 120B	60	1	0	0	1	2	0	rno-miR-540-3p	-0.02	-0.19	N/A
MBD5	ENST00000407073.1	methyl-CpG binding domain protein 5	7	1	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.08	N/A
RNF170	ENST00000354961.1	ring finger protein 170	203	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.12	N/A
VSNL1	ENST00000406397.1	visinin-like 1	89	1	0	1	0	1	0	rno-miR-540-3p	-0.02	-0.23	N/A
NSG1	ENST00000412177.2	Neuron-specific protein family member 1	25	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.09	N/A
PGRMC2	ENST00000296425.5	progesterone receptor membrane component 2	2089	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
HOXD9	ENST00000249499.6	homeobox D9	78	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.19	N/A
C17orf85	ENST00000158149.3	chromosome 17 open reading frame 85	718	3	1	1	1	1	1	rno-miR-540-3p	-0.02	-0.44	N/A
SUFU	ENST00000369902.3	suppressor of fused homolog (Drosophila)	247	1	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.03	N/A
IRGQ	ENST00000422989.1	immunity-related GTPase family, Q	62	1	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.1	N/A
CREBBP	ENST00000262367.5	CREB binding protein	532	1	0	0	1	1	0	rno-miR-540-3p	-0.02	-0.13	N/A
GPR156	ENST00000464295.1	G protein-coupled receptor 156	12	1	0	0	1	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
DDX3X	ENST00000399959.2	DEAD (Asp-Glu-Ala-Asp) box helicase 3, X-linked	965	1	0	0	1	0	0	rno-miR-540-3p	-0.02	-0.07	N/A
RALGAPB	ENST00000397038.1	Ral GTPase activating protein, beta subunit (non-catalytic)	1120	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.02	N/A
AP3M1	ENST00000355264.4	adaptor-related protein complex 3, mu 1 subunit	601	1	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.34	N/A
C14orf132	ENST00000555004.1	chromosome 14 open reading frame 132	217	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.47	N/A
RPGRIPL1	ENST00000262135.4	RPGRIPL1-like	55	1	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.14	N/A
USP6NL	ENST00000609104.1	USP6 N-terminal like	183	1	0	0	1	2	0	rno-miR-540-3p	-0.02	-0.21	N/A
MARCH3	ENST00000308660.5	membrane-associated ring finger (C3HC4) 3, E3 ubiquitin protein ligase	77	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.06	N/A
PHF3	ENST00000262043.3	PHD finger protein 3	505	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.08	N/A
SEC24A	ENST00000398844.2	SEC24 family, member A (S. cerevisiae)	679	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.03	N/A
FOXP4	ENST00000373063.3	forkhead box P4	228	1	0	0	1	0	0	rno-miR-540-3p	-0.02	-0.1	N/A
IDE	ENST00000265986.6	insulin-degrading enzyme	446	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.17	N/A
PAOX	ENST00000368539.4	polyamine oxidase (exo-N4-amino)	264	2	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.68	N/A
SCUBE2	ENST00000457346.2	signal peptide, CUB domain, EGF-like 2	57	1	1	0	0	0	0	rno-miR-540-3p	-0.02	-0.19	N/A
ILF3	ENST00000449870.1	interleukin enhancer binding factor 3, 90kDa	1758	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.03	N/A
M6PR	ENST00000000412.3	mannose-6-phosphate receptor (cation dependent)	46	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.15	N/A
FOXN3	ENST00000345097.4	forkhead box N3	42	1	0	0	1	0	0	rno-miR-540-3p	-0.02	-0.13	N/A
TRPM3	ENST00000377110.3	transient receptor potential cation channel, subfamily M, member 3	11	1	0	1	0	0	1	rno-miR-540-3p	-0.02	-0.03	N/A
TMEM200C	ENST00000581347.2	transmembrane protein 200C	54	2	1	0	0	1	1	rno-miR-540-3p	-0.02	-0.15	N/A
DNAAF2	ENST00000298292.8	dynein, axonemal, assembly factor 2	78	1	0	1	0	0	0	rno-miR-540-3p	-0.02	-0.18	N/A
PHF15	ENST00000402835.1	PHD finger protein 15	387	1	0	1	0	0	1	rno-miR-540-3p	-0.02	-0.02	N/A
FBXL13	ENST00000393772.2	F-box and leucine-rich repeat protein 13	31	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.05	N/A
RAB8A	ENST00000300935.3	RAB8A, member RAS oncogene family	226	1	0	0	1	0	0	rno-miR-540-3p	-0.01	-0.26	N/A
RHOBTB1	ENST00000337910.5	Rho-related BTB domain containing 1	229	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.02	N/A
GBGT1	ENST00000372043.3	globoside alpha-1,3-N-acetylgalactosaminyltransferase 1	41	1	0	0	0	1	0	rno-miR-540-3p	-0.01	-0.29	N/A
RPRD1A	ENST00000399022.4	regulation of nuclear pre-mRNA domain containing 1A	333	1	0	0	0	1	1	rno-miR-540-3p	-0.01	-0.15	N/A
GPATCH2	ENST00000366935.3	G patch domain containing 2	108	1	0	0	1	0	0	rno-miR-540-3p	-0.01	-0.08	N/A
HELZ	ENST00000358691.5	helicase with zinc finger	571	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.02	N/A
SLK	ENST00000335753.4	STE20-like kinase	260	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.02	N/A
IMPAD1	ENST00000262644.4	inositol monophosphatase domain containing 1	1488	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.05	N/A
CTBS	ENST00000370630.5	chitinase, di-N-acetyl-	33	1	0	0	1	0	0	rno-miR-540-3p	-0.01	-0.1	N/A
ZNF446	ENST00000335841.4	zinc finger protein 446	44	1	0	0	1	0	0	rno-miR-540-3p	-0.01	-0.17	N/A
ARHGAP29	ENST00000260526.6	Rho GTPase activating protein 29	451	1	1	0	0	0	0	rno-miR-540-3p	-0.01	-0.28	N/A
PCDHGA7	ENST00000518325.1	protocadherin gamma subfamily A, 7	145	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.15	N/A
PITPNCl	ENST00000580974.1	phosphatidylinositol transfer protein, cytoplasmic 1	797	1	0	0	1	1	0	rno-miR-540-3p	-0.01	-0.16	N/A
CDKN2AIPNL	ENST00000458198.2	CDKN2A interacting protein N-terminal like	133	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.18	N/A
MGLL	ENST00000434178.2	monoglyceride lipase	453	1	0	0	1	0	0	rno-miR-540-3p	-0.01	-0.02	N/A
FNBPI1	ENST00000370253.2	formin binding protein 1-like	219	2	1	0	1	0	0	rno-miR-540-3p	-0.01	-0.2	N/A
TMEM98	ENST00000579849.1	transmembrane protein 98	98	2	1	1	0	1	0	rno-miR-540-3p	-0.01	-0.29	N/A
DNMT3A	ENST00000380746.4	DNA (cytosine-5)-methyltransferase 3 alpha	221	1	0	1	0	0	1	rno-miR-540-3p	-0.01	-0.05	N/A
SHC4	ENST00000332408.4	SHC (Src homology 2 domain containing) family, member 4	61	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.08	N/A
U2SURP	ENST00000397933.2	U2 snRNP-associated SURP domain containing	1353	1	0	1	0	0	1	rno-miR-540-3p	-0.01	-0.22	N/A
PCSK9	ENST00000302118.5	proprotein convertase subtilisin/kexin type 9	2345	2	1	0	1	0	0	rno-miR-540-3p	-0.01	-0.17	N/A
C1orf21	ENST0000023307.6	chromosome 1 open reading frame 21	935	1	0	0	1	1	0	rno-miR-540-3p	-0.01	-0.15	N/A
C1GALT1C1	ENST00000304661.5	C1GALT1-specific chaperone 1	643	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.23	N/A
POLR3B	ENST00000228347.4	polymerase (RNA) III (DNA directed) polypeptide B	96	1	0	0	1	1	0	rno-miR-540-3p	-0.01	-0.27	N/A
TBC1D19	ENST00000264864.4	TBC1 domain family, member 19	77	2	0	1	1	0	0	rno-miR-540-3p	-0.01	-0.22	N/A
PSEN1	ENST00000344094.3	presenilin 1	1340	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.02	N/A
MARCH9	ENST00000266643.5	membrane-associated ring finger (C3HC4) 9	328	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.13	N/A
MRPL17	ENST00000288937.6	mitochondrial ribosomal protein L17	1447	2	1	0	1	0	0	rno-miR-540-3p	-0.01	-0.49	N/A
TCEANC2	ENST00000234827.1	transcription elongation factor A (SII) N-terminal and central domain containing 2	78	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.09	N/A
KATNAL1	ENST00000380615.3	katanin p60 subunit A-like 1	335	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.02	N/A
UBE2A	ENST00000371558.2	ubiquitin-conjugating enzyme E2A	618	1	0	0	1	0	0	rno-miR-540-3p	-0.01	-0.19	N/A
GATC	ENST00000551765.1	glutamyl-tRNA(Gln) amidotransferase, subunit C	781	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.02	N/A
AL021546.6	ENST00000551806.1	Glutamyl-tRNA(Gln) amidotransferase subunit C, mitochondrial	781	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.02	N/A
EEFSEC	ENST00000483451.1	eukaryotic elongation factor, selenocysteine-tRNA-specific	625	1	0	0	1	0	0	rno-miR-540-3p	-0.01	-0.22	N/A
TCF21	ENST00000367882.4	transcription factor 21	552	1	0	1	0	0	1	rno-miR-540-3p	-0.01	-0.15	N/A
MTMR7	ENST00000180173.5	myotubularin related protein 7	33	1	0	0	1	0	0	rno-miR-540-3p	-0.01	-0.11	N/A
RHOH	ENST00000381799.5	ras homolog family member H	16	1	1	0	0	2	0	rno-miR-540-3p	-0.01	-0.43	N/A
NEDD4L	ENST00000256832.7	neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase	617	1	0	1	0	0	0	rno-miR-540-3p	-0.01	-0.04	N/A
MLPH	ENST00000264605.3	melanophilin	85	1</									

RBM15B	ENST00000323686.4	RNA binding motif protein 15B	1925	1	0	1	0	0	0	rno-miR-540-3p	0	-0.07	N/A
E2F1	ENST0000034380.5	E2F transcription factor 1	479	1	0	0	1	0	0	rno-miR-540-3p	0	-0.3	N/A
TRDMT1	ENST0000037799.3	tRNA aspartic acid methyltransferase 1	248	1	0	1	0	0	0	rno-miR-540-3p	0	-0.07	N/A
CNOT2	ENST0000029195.3	CCR4-NOT transcription complex, subunit 2	1189	1	1	0	0	0	1	rno-miR-540-3p	0	-0.4	N/A
COMT1	ENST00000372538.3	catechol-O-methyltransferase domain containing 1	138	1	0	1	0	0	0	rno-miR-540-3p	0	-0.13	N/A
TIGD2	ENST00000317005.2	tigger transposable element derived 2	132	1	0	0	1	0	0	rno-miR-540-3p	0	-0.17	N/A
SCCPDH	ENST00000366510.3	saccharopine dehydrogenase (putative)	1752	1	0	1	0	0	0	rno-miR-540-3p	0	-0.21	N/A
SLC38A7	ENST00000570101.1	solute carrier family 38, member 7	635	1	0	0	1	0	0	rno-miR-540-3p	0	-0.14	N/A
UBE2D2	ENST00000398733.3	ubiquitin-conjugating enzyme E2D 2	11458	1	0	0	1	0	0	rno-miR-540-3p	0	-0.26	N/A
COL12A1	ENST00000322507.8	collagen, type XII, alpha 1	482	1	0	0	1	1	0	rno-miR-540-3p	0	-0.01	N/A
CMC1	ENST00000466830.1	COX assembly mitochondrial protein 1 homolog (S. cerevisiae)	1203	2	1	0	1	1	0	rno-miR-540-3p	0	-0.78	N/A
PAPOLA	ENST00000557471.1	poly(A) polymerase alpha	1229	2	0	2	0	0	0	rno-miR-540-3p	0	-0.27	N/A
BID	ENST00000317361.7	BH3 interacting domain death agonist	187	1	0	0	1	2	0	rno-miR-540-3p	0	-0.28	N/A
CBLL1	ENST0000040859.3	Cbl proto-oncogene-like 1, E3 ubiquitin protein ligase	850	1	0	1	0	0	0	rno-miR-540-3p	0	-0.2	N/A
KCMF1	ENST00000409785.4	potassium channel modulatory factor 1	1285	1	0	0	1	0	0	rno-miR-540-3p	0	-0.21	N/A
ZBED4	ENST00000216268.5	zinc finger, BED-type containing 4	2276	1	0	0	1	0	1	rno-miR-540-3p	0	-0.23	N/A
CAND1	ENST00000545606.1	cullin-associated and neddylation-dissociated 1	1568	1	0	1	0	0	0	rno-miR-540-3p	0	-0.14	N/A
PIGH	ENST00000216452.4	phosphatidylinositol glycan anchor biosynthesis, class H	107	1	0	1	0	0	0	rno-miR-540-3p	0	-0.15	N/A
DPM1	ENST00000371588.5	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	1124	1	0	1	0	0	0	rno-miR-540-3p	0	-0.2	N/A
ATG2B	ENST00000359933.4	autophagy related 2B	146	1	1	0	0	1	0	rno-miR-540-3p	0	-0.04	N/A
PSKH1	ENST00000291041.5	protein serine kinase H1	699	1	0	1	0	0	0	rno-miR-540-3p	0	-0.29	N/A
ACP6	ENST00000369238.6	acid phosphatase 6, lysophosphatidic	657	2	1	1	0	3	0	rno-miR-540-3p	0	-0.26	N/A
LRIG3	ENST00000379141.4	leucine-rich repeats and immunoglobulin-like domains 3	366	1	0	1	0	0	0	rno-miR-540-3p	0	-0.03	N/A
USP38	ENST00000307017.4	ubiquitin specific peptidase 38	419	1	0	0	1	1	0	rno-miR-540-3p	0	-0.02	N/A
CUEDC2	ENST00000369937.4	CUE domain containing 2	2239	1	1	0	0	0	0	rno-miR-540-3p	0	-0.58	N/A
PTGS1	ENST00000362012.2	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	399	1	0	1	0	0	0	rno-miR-540-3p	0	-0.04	N/A
CNBP	ENST00000502976.1	CCHC-type zinc finger, nucleic acid binding protein	2257	1	0	1	0	0	0	rno-miR-540-3p	0	-0.25	N/A
IP6K1	ENST00000468463.1	inositol hexakisphosphate kinase 1	406	1	0	1	0	1	0	rno-miR-540-3p	0	-0.1	N/A
TPD52	ENST00000379096.5	tumor protein D52	4585	1	1	0	0	1	0	rno-miR-540-3p	0	-0.36	N/A
NEK9	ENST00000238616.5	NIMA-related kinase 9	733	2	0	1	1	1	1	rno-miR-540-3p	0	-0.27	N/A
TRAPPC4	ENST00000533632.1	trafficking protein particle complex 4	649	1	0	1	0	0	0	rno-miR-540-3p	0	-0.23	N/A
HSPH1	ENST00000320027.5	heat shock 105kDa/110kDa protein 1	4109	1	0	1	0	0	0	rno-miR-540-3p	0	-0.21	N/A
ATG5	ENST00000360666.4	autophagy related 5	1078	2	0	1	1	1	0	rno-miR-540-3p	0	-0.39	N/A
HSPA2	ENST00000394709.1	heat shock 70kDa protein 2	600	2	0	2	0	0	0	rno-miR-540-3p	0	-0.15	N/A
CYP2B6	ENST00000324071.4	cytochrome P450, family 2, subfamily B, polypeptide 6	5	1	1	0	0	0	0	rno-miR-540-3p	0	-1.19	N/A
NLE1	ENST00000586869.1	notchless homolog 1 (Drosophila)	526	1	0	1	0	0	0	rno-miR-540-3p	0	-0.16	N/A
PHF21A	ENST00000257821.4	PHD finger protein 21A	301	1	0	0	1	0	0	rno-miR-540-3p	0	-0.02	N/A
SIR2	ENST00000304987.3	sirtuin 2	378	1	0	0	1	2	0	rno-miR-540-3p	0	-0.01	N/A
RAB18	ENST00000356940.6	RAB18, member RAS oncogene family	1410	1	0	0	1	0	0	rno-miR-540-3p	0	-0.17	N/A
BRD7	ENST00000394688.3	bromodomain containing 7	349	1	0	0	1	0	0	rno-miR-540-3p	0	-0.06	N/A
EIF2B2	ENST00000266126.5	eukaryotic translation initiation factor 2B, subunit 2, 39kDa	1210	1	0	1	0	0	0	rno-miR-540-3p	0	-0.17	N/A
PPP6R2	ENST00000359139.3	protein phosphatase 6, regulatory subunit 2	1255	1	0	1	0	0	0	rno-miR-540-3p	0	-0.29	N/A
ANKH	ENST00000284268.6	ANKH inorganic pyrophosphate transport regulator	770	1	0	0	1	0	0	rno-miR-540-3p	0	-0.07	N/A
COCH	ENST0000039618.3	cochlin	630	1	0	1	0	0	0	rno-miR-540-3p	0	-0.16	N/A
FSTL1	ENST00000295633.3	folliculin-like 1	6788	1	0	0	1	0	0	rno-miR-540-3p	0	-0.18	N/A
INTS12	ENST00000394735.1	integrator complex subunit 12	237	1	0	0	1	0	0	rno-miR-540-3p	0	-0.22	N/A
POP1	ENST00000401707.2	processing of precursor 1, ribonuclease P/MPR subunit (S. cerevisiae)	499	1	0	0	1	0	0	rno-miR-540-3p	0	-0.14	N/A
ARHGAP1	ENST00000347545.5	Rho guanine nucleotide exchange factor (GEF) 1	392	1	0	1	0	0	0	rno-miR-540-3p	0	-0.08	N/A
NTPCR	ENST00000366628.5	nucleoside-triphosphatase, cancer-related	2755	1	0	1	0	1	0	rno-miR-540-3p	0	-0.08	N/A
Cl6orf72	ENST00000327827.7	chromosome 16 open reading frame 72	379	1	0	1	0	0	0	rno-miR-540-3p	0	-0.09	N/A
ARIH2	ENST00000356401.4	ariadne RBR E3 ubiquitin protein ligase 2	938	1	0	0	1	1	0	rno-miR-540-3p	0	-0.24	N/A
STX7	ENST00000367941.2	syntaxin 7	1395	1	0	0	1	0	0	rno-miR-540-3p	0	-0.13	N/A
FAM98B	ENST00000397609.2	family with sequence similarity 98, member B	850	1	1	0	0	0	0	rno-miR-540-3p	0	-0.21	N/A
ERCC1	ENST00000300853.3	excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequences)	2024	1	1	0	0	1	0	rno-miR-540-3p	0	-0.57	N/A
SHB	ENST00000377707.3	Src homology 2 domain containing adaptor protein B	1436	1	0	0	1	0	0	rno-miR-540-3p	0	-0.03	N/A
RP11-210M15.2	ENST00000559008.1	Uncharacterized protein	5	3	1	0	2	0	0	rno-miR-540-3p	0	-0.78	N/A
Cl5orf61	ENST00000342683.4	chromosome 15 open reading frame 61	4011	1	0	0	1	0	0	rno-miR-540-3p	0	-0.23	N/A
PLXNA3	ENST00000369682.3	plexin A3	2992	1	0	0	1	0	0	rno-miR-540-3p	0	-0.09	N/A
HEATR5A	ENST00000389961.3	HEAT repeat containing 5A	367	1	0	0	1	0	0	rno-miR-540-3p	0	-0.13	N/A
LRIT2	ENST00000372113.4	leucine-rich repeat, immunoglobulin-like and transmembrane domains 2	5	1	1	0	0	0	0	rno-miR-540-3p	0	-0.69	N/A
INTS7	ENST00000366994.3	integrator complex subunit 7	431	1	0	0	1	0	0	rno-miR-540-3p	0	-0.12	N/A
CNCG2	ENST00000316355.5	cyclin G2	1056	1	0	1	0	0	0	rno-miR-540-3p	0	-0.09	N/A
EPB41L1	ENST00000441639.1	erythrocyte membrane protein band 4.1-like 1	369	1	0	1	0	1	0	rno-miR-540-3p	0	-0.07	N/A
ACSF2	ENST00000427954.2	acyl-CoA synthetase family member 2	1502	1	0	1	0	0	0	rno-miR-540-3p	0	-0.23	N/A
SIPA1	ENST00000534313.1	signal-induced proliferation-associated 1	424	1	0	1	0	0	1	rno-miR-540-3p	0	-0.05	N/A
EIF5	ENST00000216554.3	eukaryotic translation initiation factor 5	970	1	0	0	1	0	0	rno-miR-540-3p	0	-0.02	N/A
TM9SF2	ENST00000376387.4	transmembrane 9 superfamily member 2	5046	1	0	0	1	0	0	rno-miR-540-3p	0	-0.17	N/A
SLC25A11	ENST00000225665.7	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11	1867	1	0	0	1	1	0	rno-miR-540-3p	0	-0.13	N/A
CADM1	ENST00000452722.3	cell adhesion molecule 1	676	1	0	0	1	1	0	rno-miR-540-3p	0	-0.08	N/A
EEFIG	ENST00000329251.4	eukaryotic translation elongation factor 1 gamma	1739	1	0	0	1	0	0	rno-miR-540-3p	0	-0.23	N/A
PI4KB2	ENST00000264866.6	phosphatidylinositol 4-kinase type 2 beta	931	1	1	0	0	0	0	rno-miR-540-3p	0	-0.27	N/A
TNFRSF1A	ENST00000162749.2	tumor necrosis factor receptor superfamily, member 1A	1698	1	0	1	0	0	0	rno-miR-540-3p	0	-0.31	N/A
SLC8A1	ENST00000406788.2	solute carrier family 8 (sodium/calcium exchanger), member 1	61	1	0	0	1	0	0	rno-miR-540-3p	0	-0.01	N/A
NLN	ENST00000380985.5	neurysin (metallopeptidase M3 family)	885	1	0	1	0	1	0	rno-miR-540-3p	0	-0.15	N/A
ZNRF2	ENST00000323037.4	zinc and ring finger 2	403	1	0	1	0	1	0	rno-miR-540-3p	0	-0.03	N/A
ABCF3	ENST00000429586.2	ATP-binding cassette, sub-family F (GCN20), member 3	710	1	0	1	0	0	0	rno-miR-540-3p	0	-0.02	N/A
DUSP6	ENST00000279488.7	dual specificity phosphatase 6	1056	1	0	0	1	0	0	rno-miR-540-3p	0	-0.14	N/A
EBF4	ENST00000380648.4	early B-cell factor 4	1194	3	1	2	0	1	0	rno-miR-540-3p	0	-0.65	N/A
ATG7	ENST00000354449.3	autophagy related 7	1467	1	0	1	0	0	0	rno-miR-540-3p	0	-0.06	N/A
HSP2	ENST00000452194.1	heat shock transcription factor 2	1073	1	0	1	0	0	0	rno-miR-540-3p	0	-0.28	N/A
FMO3	ENST00000367755.4	flavin containing monooxygenase 3	5	1	0	1	0	1	0	rno-miR-540-3p	0	-0.33	N/A
SEC14L4	ENST00000381982.3	SEC14-like 4 (S. cerevisiae)	5	1	0	0	1	1	0	rno-miR-540-3p	0	-0.35	N/A
PHIP	ENST00000275034.4	pleckstrin homology domain interacting protein	668	1	0	0	1	0	0	rno-miR-540-3p	0	-0.08	N/A
LMF2	ENST00000380796.3	lipase maturation factor 2	1375	1	0	0	1	0	0	rno-miR-540-3p	0	-0.11	N/A
G6PC2	ENST00000421979.1	glucose-6-phosphatase, catalytic, 2	5	1	0	0	1						

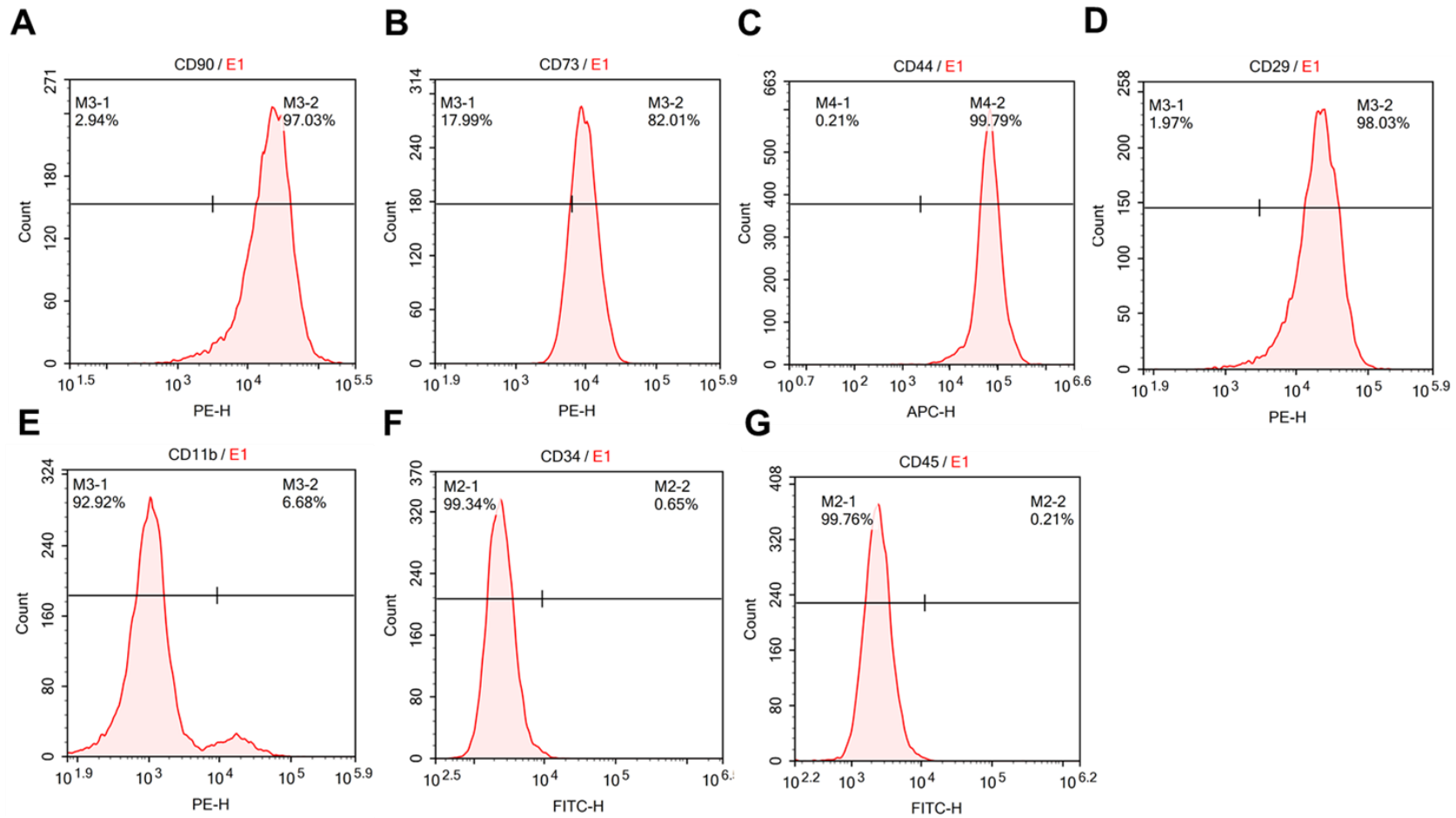
MOBP	ENST00000420739.1	myelin-associated oligodendrocyte basic protein	5	1	0	1	0	1	mo-miR-540-3p	0	-0.17	N/A
LIMD1	ENST00000273317.4	LIM domains containing 1	1092	1	0	1	0	0	mo-miR-540-3p	0	-0.07	N/A
TRDN	ENST00000398178.3	triadin	5	1	0	1	0	0	mo-miR-540-3p	0	-0.15	N/A
VGLL2	ENST00000352536.3	vestigial like 2 (Drosophila)	5	1	0	1	0	0	mo-miR-540-3p	0	-0.16	N/A
F9	ENST00000218099.2	coagulation factor IX	5	1	0	0	1	1	mo-miR-540-3p	0	-0.17	N/A
KIAA1462	ENST00000375377.1	KIAA1462	360	1	0	1	0	0	mo-miR-540-3p	0	-0.02	N/A
RCL1	ENST00000381750.4	RNA terminal phosphate cyclase-like 1	203	1	0	1	0	0	mo-miR-540-3p	0	-0.02	N/A
AKR1D1	ENST00000432161.1	aldo-keto reductase family 1, member D1	5	1	0	0	1	0	mo-miR-540-3p	0	-0.16	N/A
PCK1	ENST00000319441.4	phosphoenolpyruvate carboxykinase 1 (soluble)	5	1	0	0	1	0	mo-miR-540-3p	0	-0.16	N/A
C2orf72	ENST00000373640.4	chromosome 2 open reading frame 72	3885	2	0	2	0	0	mo-miR-540-3p	0	-0.22	N/A
GATSL2	ENST00000426327.3	GATS protein-like 2	5	1	0	0	1	3	mo-miR-540-3p	0	-0.16	N/A
NLRP6	ENST00000543750.1	NLR family, pyrin domain containing 6	5	1	0	1	0	0	mo-miR-540-3p	0	-0.14	N/A
LDLRAD1	ENST00000371362.3	low density lipoprotein receptor class A domain containing 1	5	1	0	1	0	0	mo-miR-540-3p	0	-0.19	N/A
SH3BP5	ENST00000383791.3	SH3-domain binding protein 5 (BTK-associated)	4289	2	0	0	2	0	mo-miR-540-3p	0	-0.27	N/A
MEIS3	ENST00000559524.1	Meis homeobox 3	29	1	1	0	0	0	mo-miR-540-3p	0	-0.56	N/A
PKHD1L1	ENST00000378402.5	polycystic kidney and hepatic disease 1 (autosomal recessive)-like 1	8	1	1	0	0	0	mo-miR-540-3p	0	-0.19	N/A
TIMD4	ENST00000274532.2	T-cell immunoglobulin and mucin domain containing 4	10	1	0	0	1	0	mo-miR-540-3p	0	-0.26	N/A
G6PC	ENST00000253801.2	glucose-6-phosphatase, catalytic subunit	5	1	0	0	1	0	mo-miR-540-3p	0	-0.13	N/A
GABRP	ENST00000519385.1	gamma-aminobutyric acid (GABA) A receptor, pi	5	1	0	0	1	0	mo-miR-540-3p	0	-0.13	N/A
TG	ENST00000519543.1	thyroglobulin	5	1	0	1	0	1	mo-miR-540-3p	0	-0.1	N/A
AP2S1	ENST00000352203.4	adaptor-related protein complex 2, sigma 1 subunit	6309	1	0	1	0	0	mo-miR-540-3p	0	-0.2	N/A
VMP1	ENST00000262291.4	vacuole membrane protein 1	2505	2	1	0	1	0	mo-miR-540-3p	0	-0.69	N/A
CYTIP	ENST00000264192.3	cytohesin 1 interacting protein	8	1	0	1	0	0	mo-miR-540-3p	0	-0.14	N/A
EP58	ENST00000543523.1	epidermal growth factor receptor pathway substrate 8	2643	1	0	0	1	0	mo-miR-540-3p	0	-0.12	N/A
TMEM115	ENST00000266025.3	transmembrane protein 115	1346	1	0	0	1	0	mo-miR-540-3p	0	-0.14	N/A
GPI	ENST00000415930.3	glucose-6-phosphatase isomerase	8230	1	0	1	0	0	mo-miR-540-3p	0	-0.31	N/A
ZBTB20	ENST00000462705.1	zinc finger and BTB domain containing 20	5	4	2	1	1	1	mo-miR-540-3p	0	-0.12	N/A
CACNG2	ENST00000300105.6	calcium channel, voltage-dependent, gamma subunit 2	5	1	0	0	1	1	mo-miR-540-3p	0	-0.09	N/A
ZMAT4	ENST00000315769.7	zinc finger, matrix-type 4	5	1	0	0	1	0	mo-miR-540-3p	0	-0.09	N/A
SPCC11	ENST00000314328.9	sperm antigen with calponin homology and coiled-coil domains 1-like	3720	1	0	1	0	0	mo-miR-540-3p	0	-0.04	N/A
MAPK10	ENST00000395169.3	mitogen-activated protein kinase 10	5	1	0	0	1	0	mo-miR-540-3p	0	-0.12	N/A
SND1	ENST00000354725.3	staphylococcal nuclease and tudor domain containing 1	7201	1	0	1	0	1	mo-miR-540-3p	0	-0.12	N/A
ATP9A	ENST00000311637.5	ATPase, class II, type 9A	1511	1	0	1	0	0	mo-miR-540-3p	0	-0.02	N/A
SMIM4	ENST00000477703.1	small integral membrane protein 4	2669	1	0	1	0	0	mo-miR-540-3p	0	-0.13	N/A
LHPP	ENST00000368839.1	phosphotyrosine phosphatidyl inorganic pyrophosphate phosphatase	2365	1	0	1	0	0	mo-miR-540-3p	0	-0.09	N/A
LUC7L3	ENST00000505658.1	LUC7-like 3 (S. cerevisiae)	2970	1	0	0	1	0	mo-miR-540-3p	0	-0.1	N/A
SCN1A	ENST00000423058.2	sodium channel, voltage-gated, type I, alpha subunit	21	2	1	0	1	0	mo-miR-540-3p	0	-0.36	N/A
GFAP	ENST00000586793.1	glial fibrillary acidic protein	5	1	0	1	0	0	mo-miR-540-3p	0	-0.1	N/A
DHX30	ENST00000446256.2	DEAH (Asp-Glu-Ala-His) box helicase 30	252	1	0	0	1	0	mo-miR-540-3p	0	-0.08	N/A
XRCC5	ENST00000392133.3	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)	14802	1	0	0	1	3	mo-miR-540-3p	0	-0.12	N/A
LETM2	ENST00000297720.5	leucine zipper-EF-hand containing transmembrane protein 2	9	1	0	0	1	0	mo-miR-540-3p	0	-0.17	N/A
TAB1	ENST00000216160.6	TGF-beta activated kinase 1/MAP3K7 binding protein 1	577	1	0	1	0	0	mo-miR-540-3p	0	-0.02	N/A
VCAM1	ENST00000347652.2	vascular cell adhesion molecule 1	33	1	0	0	1	0	mo-miR-540-3p	0	-0.19	N/A
UBE2QL1	ENST00000399816.3	ubiquitin-conjugating enzyme E2Q family-like 1	10	1	0	1	0	0	mo-miR-540-3p	0	-0.14	N/A
C8A	ENST00000361249.3	complement component 8, alpha polypeptide	5	1	0	0	1	0	mo-miR-540-3p	0	-0.06	N/A
SLC16A3	ENST00000581287.1	solute carrier family 16 (monocarboxylate transporter), member 3	16333	1	0	1	0	0	mo-miR-540-3p	0	-0.08	N/A
STX16	ENST00000355957.5	syntaxin 16	756	1	0	0	1	0	mo-miR-540-3p	0	-0.05	N/A
KLHL38	ENST00000325995.7	kechli-like family member 38	13	1	0	1	0	0	mo-miR-540-3p	0	-0.18	N/A
DACT3	ENST00000300875.4	dishevelled-binding antagonist of beta-catenin 3	59	2	0	1	1	0	mo-miR-540-3p	0	-0.39	N/A
C1SD2	ENST00000273986.4	CDGSH iron sulfur domain 2	13	1	0	1	0	0	mo-miR-540-3p	0	-0.17	N/A
PSTPIP1	ENST00000558012.1	proline-serine-threonine phosphatase interacting protein 1	19	1	1	0	0	0	mo-miR-540-3p	0	-0.13	N/A
DNAJB1	ENST00000254322.2	DnaJ (Hsp40) homolog, subfamily B, member 1	29	1	1	0	0	0	mo-miR-540-3p	0	-0.26	N/A
ADM5	ENST00000420022.3	adrenomedullin 5 (putative)	200	1	0	1	0	0	mo-miR-540-3p	0	-0.62	N/A
SSTR2	ENST00000315332.2	somatostatin receptor 2	21	2	0	2	0	0	mo-miR-540-3p	0	-0.26	N/A
ALDOA	ENST00000569798.1	aldolase A, fructose-bisphosphate	21644	1	1	0	0	0	mo-miR-540-3p	0	-0.66	N/A
ITIH5	ENST00000446830.2	inter-alpha-trypsin inhibitor heavy chain family, member 5	4	1	0	1	0	0	mo-miR-540-3p	0	-0.02	N/A
SHMT1	ENST00000316694.3	serine hydroxymethyltransferase 1 (soluble)	3432	2	1	0	1	0	mo-miR-540-3p	0	-0.19	N/A
COL23A1	ENST00000390654.3	collagen, type XXIII, alpha 1	15	1	0	1	0	0	mo-miR-540-3p	0	-0.08	N/A
BTG3	ENST00000339775.6	BTG family, member 3	3656	1	0	0	1	0	mo-miR-540-3p	0	-0.17	N/A
TGFBR2	ENST00000359013.4	transforming growth factor, beta receptor II (70/80kDa)	2168	1	0	1	0	0	mo-miR-540-3p	0	-0.02	N/A
NKX2-1	ENST00000354822.5	NK2 homeobox 1	9	1	0	1	0	0	mo-miR-540-3p	0	-0.09	N/A
GDF2	ENST00000249598.1	growth differentiation factor 2	5	1	0	1	0	0	mo-miR-540-3p	0	-0.07	N/A
LUC7L	ENST0000037351.4	LUC7-like (S. cerevisiae)	898	2	1	0	1	0	mo-miR-540-3p	0	-0.77	N/A
QSOX1	ENST00000367602.3	quiescin Q6 sulfhydryl oxidase 1	9246	1	0	1	0	1	mo-miR-540-3p	0	-0.04	N/A
ATG2A	ENST00000421419.2	autophagy related 2A	3795	2	0	2	0	0	mo-miR-540-3p	0	-0.04	N/A
NNMT	ENST00000535401.1	nicotinamide N-methyltransferase	522	1	1	0	0	0	mo-miR-540-3p	0	-0.27	N/A
ZNF277	ENST00000361822.3	zinc finger protein 277	286	1	1	0	0	0	mo-miR-540-3p	0	-0.36	N/A
COX6B2	ENST00000590900.1	cytochrome c oxidase subunit VIb polypeptide 2 (testis)	5	1	1	0	0	0	mo-miR-540-3p	0	-0.57	N/A
RNF149	ENST00000295317.3	ring finger protein 149	318	1	0	1	0	0	mo-miR-540-3p	0	-0.17	N/A
SEC23IP	ENST00000369075.3	SEC23 interacting protein	765	1	0	1	0	0	mo-miR-540-3p	0	-0.1	N/A
NDNF	ENST00000379692.4	neuron-derived neurotrophic factor	51	1	0	1	0	0	mo-miR-540-3p	0	-0.07	N/A
TIMELESS	ENST00000229201.4	timeless circadian clock	3085	1	0	1	0	0	mo-miR-540-3p	0	-0.05	N/A
GPM6A	ENST00000280187.7	glycoprotein M6A	335	1	0	1	0	0	mo-miR-540-3p	0	-0.18	N/A
DOCK7	ENST00000251157.5	dedicator of cytokinesis 7	66	1	0	1	0	0	mo-miR-540-3p	0	-0.12	N/A
ALS2CL	ENST00000318962.4	ALS2 C-terminal like	201	1	0	0	1	0	mo-miR-540-3p	0	-0.2	N/A
SDC2	ENST00000302190.4	syndecan 2	774	1	1	0	0	0	mo-miR-540-3p	0	-0.27	N/A
ANGPTL3	ENST00000371129.3	angiopoietin-like 3	59	1	0	0	1	0	mo-miR-540-3p	0	-0.14	N/A
RNF187	ENST00000305943.7	ring finger protein 187	13589	1	0	0	1	0	mo-miR-540-3p	0	-0.17	N/A
SERPINA3	ENST00000393080.4	serpin peptidase inhibitor, clade A (alpha-1 antitrypsinase, antitrypsin), member 3	104	2	0	1	1	1	mo-miR-540-3p	0	-0.39	N/A
SOBP	ENST00000317357.5	sine oculis binding protein homolog (Drosophila)	22	1	1	0	0	0	mo-miR-540-3p	0	-0.08	N/A
PON3	ENST00000265627.5	paraoxonase 3	174	1	0	1	0	0	mo-miR-540-3p	0	-0.27	N/A
ZC2HC1C	ENST00000238686.8	zinc finger, C2HC-type containing 1C	48	1	0	0	1	0	mo-miR-540-3p	0	-0.12	N/A
SDHC	ENST00000367975.2	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	172	1	0	0	1	0	mo-miR-540-3p	0	-0.18	N/A
FUCA2	ENST0000002165.6	fucosidase, alpha-L-2, plasma	1029	1	1	0	0	0	mo-miR-540-3p	0	-0.4	N/A
TLR4	ENST00000355622.6	toll-like receptor 4	47	1	0	0	1	0	mo-miR-540-3p	0	-0.2	N/A
ANKFY1	ENST00000341657.4	ankyrin repeat and FYVE domain containing 1	969	1	0	0	1	0	mo-miR-540-3p	0	-0.1	N/A
SF1	ENST00000377390.3	splicing factor 1	17473	1	0	1	0	0	mo-miR-540-3p	0	-0.02	N/A
LIPG	ENST00000261292.4	lipase, endothelial	40	1	0	1	0	0	mo-miR-540-3p	0	-0.08	N/A
CACNA1C	ENST00000399655.1	calcium channel, voltage-dependent, L type, alpha 1C subunit	69	1	1	0	0	0	mo-miR-540-3p	0	-0.03	N/A
CACNA1D	ENST00000288139.4	calcium channel, voltage-dependent, L type, alpha 1D subunit	5	1	0	1	0	0	mo-miR-540-3p	0	-0.02	N/A
CCDC132	ENST00000305866.5	coiled-coil domain containing 132	201	1	0	1	0	0	mo-miR-540-3p	0	-0.08	N/A
C1RH1A	ENST00000314423.7	cirrhosis, autosomal recessive 1A (cirhin)	1015	1	0	1	0	0	mo-miR-540-3p	0	-0.22	N/A
SC5D	ENST00000264027.4	sterol-C5-desaturase	1299	1	0	1	0	0	mo-miR-540-3p	0	-0.23	N/A
TRIM44	ENST00000299413.5	tripartite motif containing 44	4203	2	0	1	1	4	mo-miR-540-3p	0	-0.22	N/A
NAA38	ENST00000249299.2	N(alpha)-acetyltransferase 38, NatC auxiliary subunit	458	1	1	0	0	0	mo-miR-540-3p	0	-0.39	N/A
FAM115A	ENST00000355951.2	family with sequence similarity 115, member A	5	2	0	1	1	0	mo-miR-540-3p	0	-0.21	N/A
UCHL3	ENST00000377595.3	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)	2830	1	0	0	1	0	mo-miR-540-3p	0	-0.18	N/A
TCN2	ENST00000215838.3	transcobalamin II	132	1	0	1	0	0	mo-miR-540-3p	0	-0.1	N/A
PDLIM3	ENST00000284770.5	PDZ and LIM domain 3	58	1	0	1	0	0	mo-miR-540-3p	0	-0.07	N/A
LRRTM3	ENST00000361320.4	leucine rich repeat transmembrane neuronal 3	5	1	0	1	0	0	mo-miR-540-3p	0	-0.02	N/A
EMC3	ENST00000245046.2	ER membrane protein complex subunit										

IPLTD1	ENST00000445693.1	intermediate filament tail domain containing 1	5	1	0	0	1	0	mo-miR-540-3p	0	-0.17	N/A
SNX17	ENST00000233575.2	sorting nexin 17	479	1	0	0	1	0	mo-miR-540-3p	0	-0.11	N/A
WT1	ENST00000379079.2	Wilms tumor 1	29	1	0	0	1	0	mo-miR-540-3p	0	-0.11	N/A
IQSEC2	ENST00000375365.2	IQ motif and Sec7 domain 2	5	1	0	1	0	0	mo-miR-540-3p	0	-0.02	N/A
SH3TC2	ENST00000502274.1	SH3 domain and tetratricopeptide repeats 2	31	1	0	1	0	0	mo-miR-540-3p	0	-0.02	N/A
APTX	ENST00000436040.2	apataxin	310	1	1	0	0	0	mo-miR-540-3p	0	-0.31	N/A
IL17RA	ENST00000319363.6	interleukin 17 receptor A	685	1	0	0	1	0	mo-miR-540-3p	0	-0.18	N/A
KCNK5	ENST00000359534.3	potassium channel, subfamily K, member 5	143	1	0	1	0	0	mo-miR-540-3p	0	-0.03	N/A
GHR	ENST00000230882.4	growth hormone receptor	102	1	0	0	1	0	mo-miR-540-3p	0	-0.09	N/A
POLD4	ENST00000312419.3	polymerase (DNA-directed), delta 4, accessory subunit	6724	1	0	1	0	0	mo-miR-540-3p	0	-0.27	N/A
ZFP57	ENST00000488757.1	ZFP57 zinc finger protein	8	1*	0	0	0	0	mo-miR-540-3p	N/A	N/A	N/A
LIN7A	ENST00000552864.1	lin-7 homolog A (C. elegans)	86	1*	0	0	0	0	mo-miR-540-3p	N/A	N/A	N/A

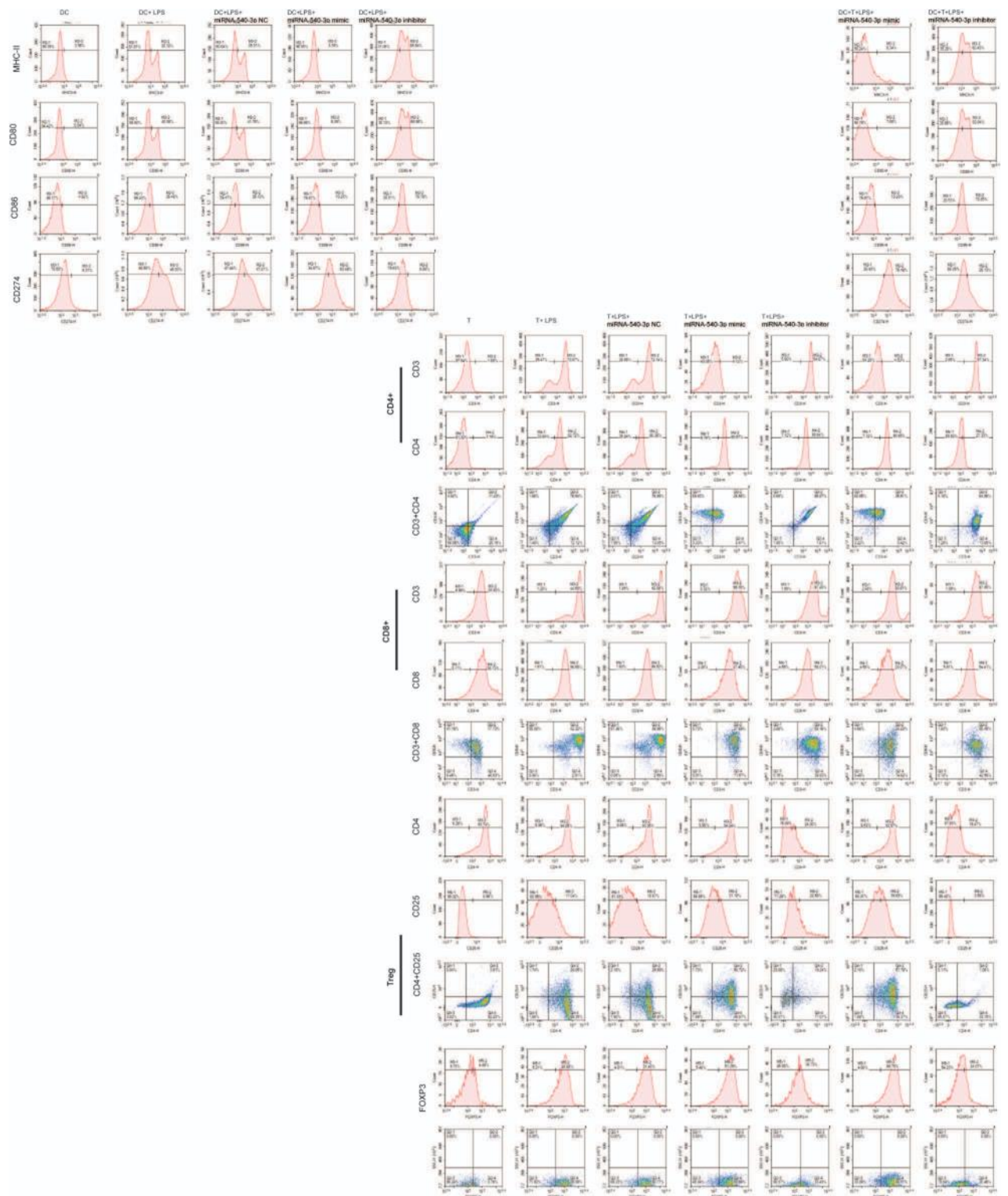
Supplementary Table 2 GO and KEGG analysis of the targeted gene

Ontology	ID	Description	GeneRatio	BgRatio	pvalue	p.adjust
BP	GO:0010975	regulation of neuron projection development	109/2547	431/18800	3.27e-11	2.01e-07
BP	GO:0060562	epithelial tube morphogenesis	88/2547	328/18800	1.03e-10	2.69e-07
BP	GO:0007156	homophilic cell adhesion via plasma membrane adhesion molecules	55/2547	168/18800	1.32e-10	2.69e-07
BP	GO:0140056	organelle localization by membrane tethering	32/2547	75/18800	5.58e-10	8.56e-07
BP	GO:0048278	vesicle docking	27/2547	57/18800	7.15e-10	8.78e-07
CC	GO:0098793	presynapse	119/2663	492/19594	1.12e-10	8.08e-08
CC	GO:0031252	cell leading edge	104/2663	416/19594	2.32e-10	8.39e-08
CC	GO:0032279	asymmetric synapse	84/2663	323/19594	1.68e-09	4.05e-07
CC	GO:0098984	neuron to neuron synapse	88/2663	347/19594	2.65e-09	4.78e-07
CC	GO:0014069	postsynaptic density	81/2663	318/19594	9.09e-09	1.31e-06
MF	GO:0003779	actin binding	104/2610	439/18410	4.98e-08	3.55e-05
MF	GO:0030695	GTPase regulator activity	112/2610	488/18410	9.25e-08	3.55e-05
MF	GO:0060589	nucleoside-triphosphatase regulator activity	112/2610	488/18410	9.25e-08	3.55e-05
MF	GO:0000149	SNARE binding	35/2610	110/18410	1.82e-06	0.0005
MF	GO:0030674	protein-macromolecule adaptor activity	73/2610	305/18410	3.21e-06	0.0007
KEGG	hsa04144	Endocytosis	61/1161	251/8164	1.1e-05	0.0020
KEGG	hsa04072	Phospholipase D signaling pathway	41/1161	148/8164	1.2e-05	0.0020

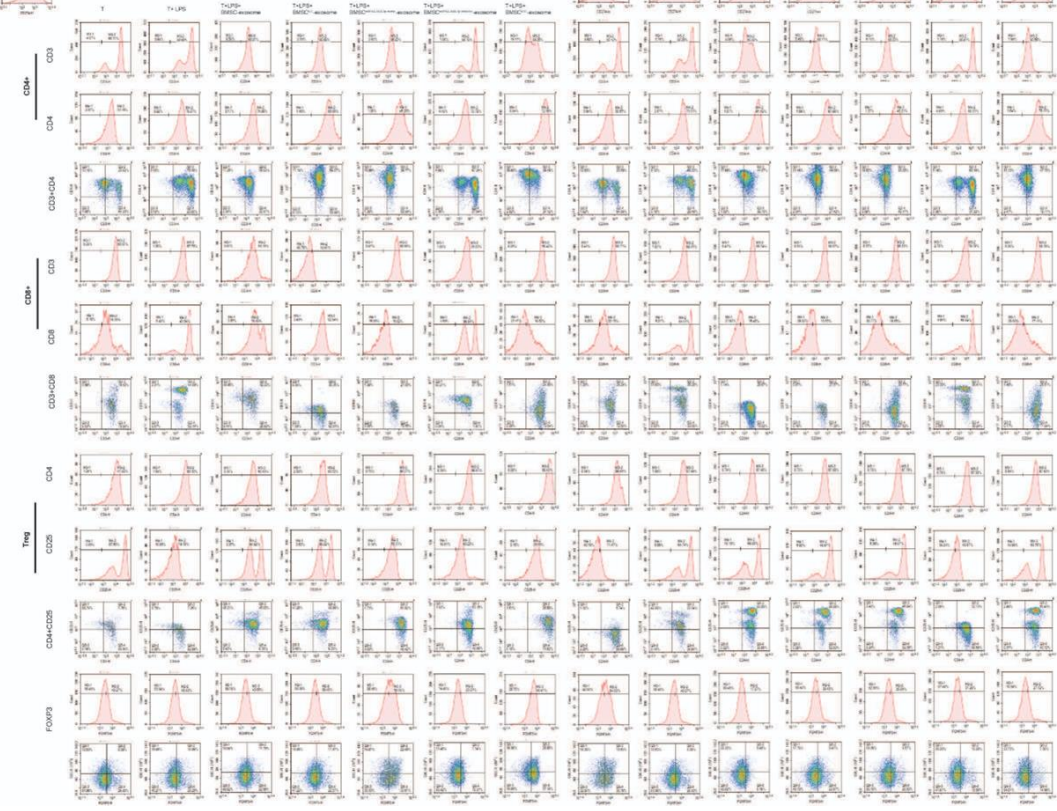
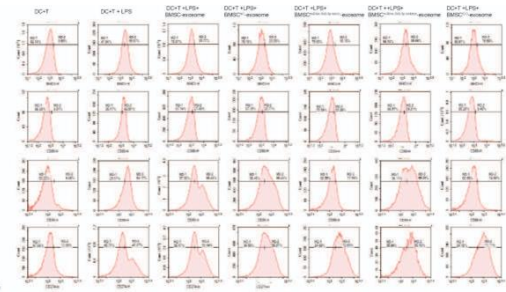
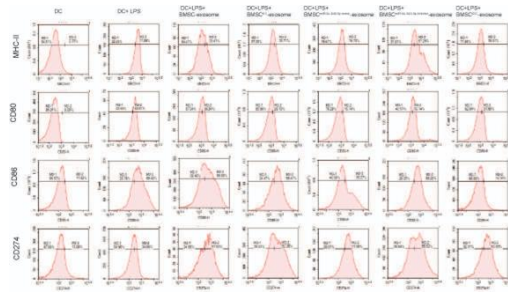
KEGG	hsa04360	Axon guidance	47/1161	182/8164	2.17e-05	0.0024
KEGG	hsa04010	MAPK signaling pathway	67/1161	294/8164	3.89e-05	0.0030
KEGG	hsa04014	Ras signaling pathway	56/1161	235/8164	4.57e-05	0.0030



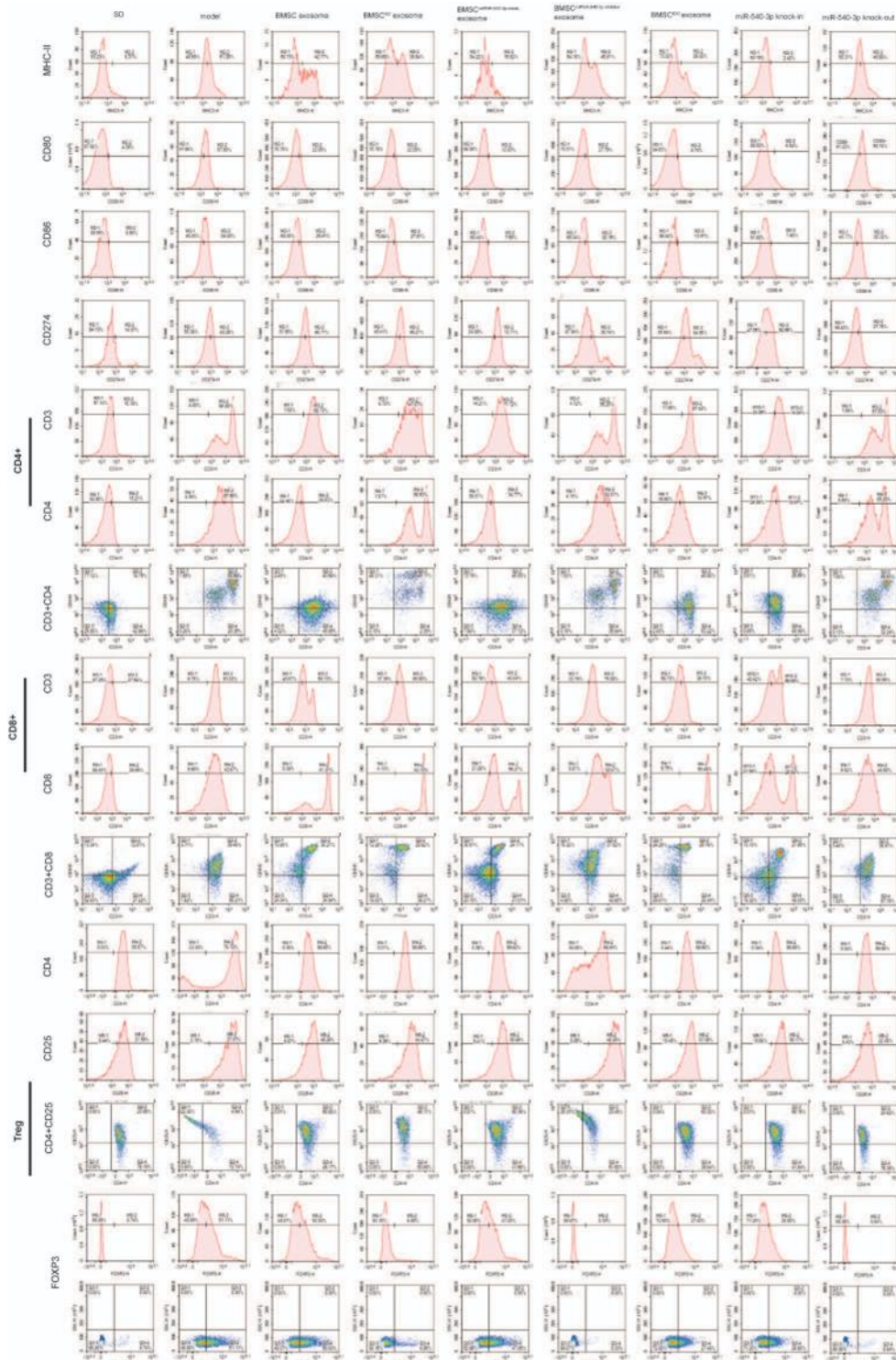
Supplementary Figure 1 Flow cytometry analysis of MSC surface markers. The expressed markers CD73, CD90, CD44, and CD29 were highly detected, while the unexpressed markers CD11b, CD34, and CD45 showed minimal or no expression.



Supplementary Figure 2 An increased proportion of CD274 and decreased proportions of MHC II, CD80, and CD86 were observed in DCs and DCs cocultured with T cells transfected with miR-540-3p mimic, and vice versa with miR-540-3p inhibitors.



Supplementary Figure 3 After co-cultured with BMSCmiR-540-3p-mimic exosomes, an increased proportion of CD274 and decreased proportions of MHC II, CD80, and CD86 were observed in DCs and DCs cocultured with T cells; increased proportions of CD4+ T cells. CD8+ T cells, and Tregs were observed in T cells. Vice versa with BMSCmiR-540-3p-inhibitor exosomes.



Supplementary Figure 4 Increased proportions of CD274 and Tregs along with decreased proportions of MHC II, CD80, CD86, CD4+ T cells, and CD8+ T cells were observed in DCs and T cells extracted from spleens of WT rats injected with BMSCmiR-540-3p-mimic exosomes or BMSCIDO exosomes and miR-540-3p knock-in rats. Vice versa with BMSCmiR-540-3p-inhibitor exosomes or miR-540-sp knock-out rats.