

Supplemental Table 1. List of genes differentially regulated by miR-375 in esophageal epithelial cells before and after IL-13 stimulation

Transcript ID	Gene Symbol	Gene Description	Regulation
7900129	C1orf113IFAM176B	chromosome 1 open reading frame 113 l family with sequence similarity 176, member B	Repressed by miR-375 at Baseline
7905339	GABPB2	GA binding protein transcription factor, beta subunit 2	Repressed by miR-375 at Baseline
7907531	GPR52	G protein-coupled receptor 52	Repressed by miR-375 at Baseline
7910379	DUSP5P	dual specificity phosphatase 5 pseudogene	Repressed by miR-375 at Baseline
7914322	SNORD103A SNORD103B	small nucleolar RNA, C/D box 103A l small nucleolar RNA, C/D box 103B	Repressed by miR-375 at Baseline
7914324	SNORD103A SNORD103B	small nucleolar RNA, C/D box 103A l small nucleolar RNA, C/D box 103B	Repressed by miR-375 at Baseline
7920664	THBS3	thrombospondin 3	Repressed by miR-375 at Baseline
7920852	KIAA0907	KIAA0907	Repressed by miR-375 at Baseline
7934278	P4HA1	prolyl 4-hydroxylase, alpha polypeptide I	Repressed by miR-375 at Baseline
7942332	FOLR1	folate receptor 1 (adult)	Repressed by miR-375 at Baseline
7944867	SIAE	sialic acid acetyltransferase	Repressed by miR-375 at Baseline
7951297	MMP12	matrix metalloproteinase 12 (macrophage elastase)	Repressed by miR-375 at Baseline
7954208	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide	Repressed by miR-375 at Baseline
7956038	MMP19 LOC440104	matrix metalloproteinase 19 l hypothetical LOC440104	Repressed by miR-375 at Baseline
7956876	LLPH	LLP homolog, long-term synaptic facilitation (Aplysia)	Repressed by miR-375 at Baseline
7963261	LOC494150	prohibitin pseudogene	Repressed by miR-375 at Baseline
7964119	STAT2	signal transducer and activator of transcription 2, 113kDa	Repressed by miR-375 at Baseline
7967210	LOC338799	LOC338799	Repressed by miR-375 at Baseline

7971461	LCP1	lymphocyte cytosolic protein 1 (L-plastin)	Repressed by miR-375 at Baseline
7978718	SEC23A	Sec23 homolog A (<i>S. cerevisiae</i>)	Repressed by miR-375 at Baseline
7994582	SULT1A3IGIYD1IGIYD2ISULT1A2ISULT1A4	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3 GIY-YIG domain containing 1 GIY-YIG domain containing 2 sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2 sulfotransferase family, cytosolic, 1A, phenol-preferring, member 4	Repressed by miR-375 at Baseline
7994781	SULT1A3IGIYD1IGIYD2ISULT1A2ISULT1A4	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3 GIY-YIG domain containing 1 GIY-YIG domain containing 2 sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2 sulfotransferase family, cytosolic, 1A, phenol-preferring, member 4	Repressed by miR-375 at Baseline
7996430	HSF4IFBXL8	heat shock transcription factor 4 F-box and leucine-rich repeat protein 8	Repressed by miR-375 at Baseline
7998664	SNORA10	small nucleolar RNA, H/ACA box 10	Repressed by miR-375 at Baseline
8000757	DOC2AIINO80E	double C2-like domains, alpha INO80 complex subunit E	Repressed by miR-375 at Baseline
8000799	GDPD3	glycerophosphodiester phosphodiesterase domain containing 3	Repressed by miR-375 at Baseline
8013364	SLC47A2	solute carrier family 47, member 2	Repressed by miR-375 at Baseline
8013622	SGK494IFLJ25006	uncharacterized serine/threonine-protein kinase SgK494	Repressed by miR-375 at Baseline
8014903	GSDMB	gasdermin B	Repressed by miR-375 at Baseline
8016259	LRRC37A2ILRRC37A3ILO100294335	leucine rich repeat containing 37, member A2 leucine rich repeat containing 37A leucine rich repeat containing 37, member A3 similar to c114 SLIT-like testicular protein	Repressed by miR-375 at Baseline
8031176	LENG8	leukocyte receptor cluster (LRC) member 8	Repressed by miR-375 at Baseline
8032249	ADAMTSL5	ADAMTS-like 5	Repressed by miR-375 at Baseline
8033257	C3	complement component 3	Repressed by miR-375 at Baseline

8041204	SNORA10	small nucleolar RNA, H/ACA box 10	Repressed by miR-375 at Baseline
8044605	LOC654433	LOC654433	Repressed by miR-375 at Baseline
8045539	KYNU	kynureninase (L-kynurenine hydrolase)	Repressed by miR-375 at Baseline
8046906	GULP1	GULP, engulfment adaptor PTB domain containing 1	Repressed by miR-375 at Baseline
8048381	STK36	serine/threonine kinase 36, fused homolog (Drosophila)	Repressed by miR-375 at Baseline
8053200	DQX1	DEAQ box RNA-dependent ATPase 1	Repressed by miR-375 at Baseline
8056151	PLA2R1	phospholipase A2 receptor 1, 180kDa	Repressed by miR-375 at Baseline
8066786	ZMYND8	zinc finger, MYND-type containing 8	Repressed by miR-375 at Baseline
8066822	SULF2	sulfatase 2	Repressed by miR-375 at Baseline
8074577	PI4KAP2 PI4KAP1	phosphatidylinositol 4-kinase, catalytic, alpha pseudogene 2 phosphatidylinositol 4-kinase, catalytic, alpha pseudogene 1	Repressed by miR-375 at Baseline
8085716	SATB1	SATB homeobox 1	Repressed by miR-375 at Baseline
8086627	ALS2CL	ALS2 C-terminal like	Repressed by miR-375 at Baseline
8087433	NICN1 AMT	nicotin 1 aminomethyltransferase	Repressed by miR-375 at Baseline
8092978	MUC4	mucin 4, cell surface associated	Repressed by miR-375 at Baseline
8098441	ODZ3	odz, odd Oz/ten-m homolog 3 (Drosophila)	Repressed by miR-375 at Baseline
8102792	PCDH18	protocadherin 18	Repressed by miR-375 at Baseline
8103853	MGC45800	hypothetical LOC90768	Repressed by miR-375 at Baseline
8105077	CARD6	caspase recruitment domain family, member 6	Repressed by miR-375 at Baseline
8109086	ADRB2	adrenergic, beta-2-, receptor, surface	Repressed by miR-375 at Baseline
8116921	EDN1	endothelin 1	Repressed by miR-375 at Baseline

8117714	OR2J3IOR2J1	olfactory receptor, family 2, subfamily J, member 3 olfactory receptor, family 2, subfamily J, member 1	Repressed by miR-375 at Baseline
8124654	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	Repressed by miR-375 at Baseline
8124691	HCG8	HLA complex group 8	Repressed by miR-375 at Baseline
8125687	RGL2	ral guanine nucleotide dissociation stimulator-like 2	Repressed by miR-375 at Baseline
8126018	STK38	serine/threonine kinase 38	Repressed by miR-375 at Baseline
8126428	TRERF1	transcriptional regulating factor 1	Repressed by miR-375 at Baseline
8133633	NSUN5P2INSUN5P1 INSUN5BINSUN5CIT RIM73	NOP2/Sun domain family, member 5 pseudogene 2 NOP2/Sun domain family, member 5 pseudogene 1 NOL1/NOP2/Sun domain family, member 5B NOL1/NOP2/Sun domain family, member 5 NOL1/NOP2/Sun domain family, member 5C tripartite motif-containing 73	Repressed by miR-375 at Baseline
8140386	STYXL1	serine/threonine/tyrosine interacting-like 1	Repressed by miR-375 at Baseline
8148149	ZHX2	zinc fingers and homeoboxes 2	Repressed by miR-375 at Baseline
8153550	NRBP2	nuclear receptor binding protein 2	Repressed by miR-375 at Baseline
8156060	TLE4	transducin-like enhancer of split 4 (E(sp1) homolog, Drosophila)	Repressed by miR-375 at Baseline
8157800	MIR181A2	microRNA 181a-2	Repressed by miR-375 at Baseline
8158862	SNORD62AISNORD 62B	small nucleolar RNA, C/D box 62A small nucleolar RNA, C/D box 62B	Repressed by miR-375 at Baseline
8158864	SNORD62AISNORD 62B	small nucleolar RNA, C/D box 62A small nucleolar RNA, C/D box 62B	Repressed by miR-375 at Baseline
8161373	LOC100289528	LOC100289528	Repressed by miR-375 at Baseline
8161554	LOC100289528	LOC100289528	Repressed by miR-375 at Baseline
8170921	PLXNA3	plexin A3	Repressed by miR-375 at Baseline

8175666	GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon	Repressed by miR-375 at Baseline
8177694	OR2J3IOR2J1	olfactory receptor, family 2, subfamily J, member 3 olfactory receptor, family 2, subfamily J, member 1	Repressed by miR-375 at Baseline
8178298	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	Repressed by miR-375 at Baseline
8178955	RGL2	ral guanine nucleotide dissociation stimulator-like 2	Repressed by miR-375 at Baseline
8179003	OR2J3IOR2J1	olfactory receptor, family 2, subfamily J, member 3 olfactory receptor, family 2, subfamily J, member 1	Repressed by miR-375 at Baseline
8179595	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	Repressed by miR-375 at Baseline
8180144	RGL2	ral guanine nucleotide dissociation stimulator-like 2	Repressed by miR-375 at Baseline
7904364	WDR3	WD repeat domain 3	Induced by miR-375 at baseline
7916219	C1orf163	chromosome 1 open reading frame 163	Induced by miR-375 at baseline
7927267	FAM35BIFAM35B2IFAM35A	family with sequence similarity 35, member B family with sequence similarity 35, member B2 family with sequence similarity 35, member A	Induced by miR-375 at baseline
7927288	FAM35B2IFAM35A	family with sequence similarity 35, member B2 family with sequence similarity 35, member B family with sequence similarity 35, member A	Induced by miR-375 at baseline
7929072	IFIT5	interferon-induced protein with tetratricopeptide repeats 5	Induced by miR-375 at baseline
7932765	MPP7	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	Induced by miR-375 at baseline
7935707	CHUK	conserved helix-loop-helix ubiquitous kinase	Induced by miR-375 at baseline
7944656	SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, <i>S. cerevisiae</i>)-like	Induced by miR-375 at baseline
7945169	TMEM45B	transmembrane protein 45B	Induced by miR-375 at baseline
7948908	SNORD26ISNHG1	small nucleolar RNA, C/D box 26 small nucleolar RNA host gene 1 (non-protein coding)	Induced by miR-375 at baseline

8059026	MIR375	microRNA 375	Induced by miR-375 at baseline
7951036	SNORD5 TAF1D	small nucleolar RNA, C/D box 5 TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Induced by miR-375 at baseline
7981964	SNORD116-8 SNORD116-3 SNORD116-9	small nucleolar RNA, C/D box 116-8 small nucleolar RNA, C/D box 116-3 small nucleolar RNA, C/D box 116-9	Induced by miR-375 at baseline
7981976	SNORD116-14	small nucleolar RNA, C/D box 116-14	Induced by miR-375 at baseline
7981978	SNORD116-15	small nucleolar RNA, C/D box 116-15	Induced by miR-375 at baseline
7981982	SNORD116-17 SNORD116-19 SNORD116-15 SNORD116-16 SNORD116-18 SNORD116-21 SNORD116-22 SNORD116-14 SNORD116-20 SNORD116@ SN RPN	small nucleolar RNA, C/D box 116-17 small nucleolar RNA, C/D box 116-19 small nucleolar RNA, C/D box 116-15 small nucleolar RNA, C/D box 116-16 small nucleolar RNA, C/D box 116-18 small nucleolar RNA, C/D box 116-21 small nucleolar RNA, C/D box 116-22 small nucleolar RNA, C/D box 116-14 small nucleolar RNA, C/D box 116-20 small nucleolar RNA, C/D box 116 cluster small nuclear ribonucleoprotein polypeptide N	Induced by miR-375 at baseline
7981986	SNORD116-17 SNORD116-19 SNORD116-15 SNORD116-16 SNORD116-18 SNORD116-21 SNORD116-22 SNORD116-14 SNORD116-20 SNORD116@ SN RPN	small nucleolar RNA, C/D box 116-17 small nucleolar RNA, C/D box 116-19 small nucleolar RNA, C/D box 116-15 small nucleolar RNA, C/D box 116-16 small nucleolar RNA, C/D box 116-18 small nucleolar RNA, C/D box 116-21 small nucleolar RNA, C/D box 116-22 small nucleolar RNA, C/D box 116-14 small nucleolar RNA, C/D box 116-20 small nucleolar RNA, C/D box 116 cluster small nuclear ribonucleoprotein polypeptide N	Induced by miR-375 at baseline
7981988	SNORD116-20 SNORD116@	small nucleolar RNA, C/D box 116-20 small nucleolar RNA, C/D box 116 cluster	Induced by miR-375 at baseline
7981996	SNORD116-24	small nucleolar RNA, C/D box 116-24	Induced by miR-375 at baseline
8006634	PIGW	phosphatidylinositol glycan anchor biosynthesis, class W	Induced by miR-375 at baseline
8009380	SNORA38B	small nucleolar RNA, H/ACA box 38B (retrotransposed)	Induced by miR-375 at baseline

8106193	UTP15	U3 small nucleolar RNA-associated protein 15 homolog	Induced by miR-375 at baseline
8122440	LTV1	yeast LTV1 Homolog	Induced by miR-375 at baseline
8132897	LANCL2	LanC lantibiotic synthetase component C-like 2 (bacterial)	Induced by miR-375 at baseline
8132922	MRPS17IGBASIZNF713	mitochondrial ribosomal protein S17 l glioblastoma amplified sequence l zinc finger protein 713	Induced by miR-375 at baseline
8146685	RRS1	homolog of yeast ribosome biogenesis regulatory protein RRS1	Induced by miR-375 at baseline
8146921	RDH10	retinol dehydrogenase 10 (all-trans)	Induced by miR-375 at baseline
8150537	SLC20A2	solute carrier family 20 (phosphate transporter), member 2	Induced by miR-375 at baseline
8150908	IMPAD1	inositol monophosphatase domain containing 1	Induced by miR-375 at baseline
7904106	MAGI3	membrane associated guanylate kinase, WW and PDZ domain containing 3	miR-375 Antagonizes IL-13 mediated induction
7908204	HMCN1	hemicentin 1	miR-375 Antagonizes IL-13 mediated induction
7917912	DPYD	dihydropyrimidine dehydrogenase	miR-375 Antagonizes IL-13 mediated induction
7920687	GBAP1	glucosidase, beta, acid pseudogene 1	miR-375 Antagonizes IL-13 mediated induction
7968872	DNAJC15	DnaJ (Hsp40) homolog, subfamily C, member 15	miR-375 Antagonizes IL-13 mediated induction
7985752	NCRNA00052	non-protein coding RNA 52	miR-375 Antagonizes IL-13 mediated induction
7988350	DUOX2	dual oxidase 2	miR-375 Antagonizes IL-13 mediated induction
8040249	PDIA6IATP6V1C2	protein disulfide isomerase family A, member 6 l ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C2	miR-375 Antagonizes IL-13 mediated induction
8043036	LOC1720	dihydrofolate reductase pseudogene	miR-375 Antagonizes IL-13 mediated induction
8076113	LOC646851IRP1-199H16.1	similar to OTTHUMP00000028720	miR-375 Antagonizes IL-13 mediated induction
8130129	NUP43	nucleoporin 43kDa	miR-375 Antagonizes IL-13 mediated induction

8140686	SEMA3D	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D	miR-375 Antagonizes IL-13 mediated induction
8140971	SAMD9L	sterile alpha motif domain containing 9-like	miR-375 Antagonizes IL-13 mediated induction
7905154	C1orf51	chromosome 1 open reading frame 51	miR-375 Antagonizes IL-13 mediated Repression
7925062	SIPA1L2	signal-induced proliferation-associated 1 like 2	miR-375 Antagonizes IL-13 mediated Repression
7938485	MICAL2	microtubule associated monooxygenase, calponin and LIM domain containing 2	miR-375 Antagonizes IL-13 mediated Repression
8069795	CLDN8	claudin 8	miR-375 potentiates IL-13 mediated repression
8020740	DSG4	desmoglein 4	miR-375 Antagonizes IL-13 mediated Repression
8042283	HSPC159	galectin-related protein	miR-375 Antagonizes IL-13 mediated Repression
8056005	ACVR1	activin A receptor, type I	miR-375 Antagonizes IL-13 mediated Repression
8102800	SLC7A11	solute carrier family 7, (cationic amino acid transporter, y+ system) member 11	miR-375 Antagonizes IL-13 mediated Repression
8115623	ATP10B	ATPase, class V, type 10B	miR-375 Antagonizes IL-13 mediated Repression
8164215	SNORA65	small nucleolar RNA, H/ACA box 65	miR-375 Antagonizes IL-13 mediated Repression
7927936	DDX21	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	miR-375 potentiates IL-13 mediated induction
7929047	IFIT2	interferon-induced protein with tetratricopeptide repeats 2	miR-375 potentiates IL-13 mediated induction
7938702	DKFZp686O24166	DKFZp686O24166	miR-375 potentiates IL-13 mediated induction
7954382	PYROXD1IRECQL	pyridine nucleotide-disulphide oxidoreductase domain 1 RecQ protein-like (DNA helicase Q1-like)	miR-375 potentiates IL-13 mediated induction
8042830	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase	miR-375 potentiates IL-13 mediated induction
8047788	ADAM23	ADAM metallopeptidase domain 23	miR-375 potentiates IL-13 mediated induction

8062211	RPF2IBXDC1	ribosome production factor 2 homolog (S. cerevisiae) I brix domain containing 1	miR-375 potentiates IL-13 mediated induction
8069532	HSPA13	heat shock protein 70kDa family, member 13	miR-375 potentiates IL-13 mediated induction
8084064	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase	miR-375 potentiates IL-13 mediated induction
8135774	PTPRZ1	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	miR-375 potentiates IL-13 mediated induction
8142540	FAM3C	family with sequence similarity 3, member C	miR-375 potentiates IL-13 mediated induction
8166442	FAM3C	family with sequence similarity 3, member C	miR-375 potentiates IL-13 mediated induction
8171248	KAL1	Kallmann syndrome 1 sequence	miR-375 potentiates IL-13 mediated induction
7924450	DUSP10	dual specificity phosphatase 10	miR-375 potentiates IL-13 mediated repression
7962375	PRICKLE1	prickle homolog 1 (Drosophila)	miR-375 potentiates IL-13 mediated repression
8127563	COL12A1	collagen, type XII, alpha 1	miR-375 potentiates IL-13 mediated repression
8133688	SNORA14A	small nucleolar RNA, H/ACA box 14A	miR-375 potentiates IL-13 mediated repression
8175683	MIR224 GABRE	microRNA 224 gamma-aminobutyric acid (GABA) A receptor, epsilon	miR-375 potentiates IL-13 mediated repression
7965403	LUM	lumican	miR-375 potentiates IL-13 mediated repression
8026490	UCA1	urothelial cancer associated 1 (non-protein coding)	miR-375 potentiates IL-13 mediated repression
8033674	MUC16	mucin 16, cell surface associated	miR-375 potentiates IL-13 mediated repression
8049123	ALPP	alkaline phosphatase, placental (Regan isozyme)	miR-375 potentiates IL-13 mediated repression
8049128	ALPPL2	alkaline phosphatase, placental-like 2	miR-375 potentiates IL-13 mediated repression
8058765	FN1	fibronectin 1	miR-375 potentiates IL-13 mediated repression
8104693	PDZD2	PDZ domain containing 2	miR-375 potentiates IL-13 mediated repression
8126820	GPR110	G protein-coupled receptor 110	miR-375 potentiates IL-13 mediated repression