

Table S1. Clinical data and complete karyotypes of the 19 patients carrying the t(2;11)(p21;q23) translocation

Patients	Sex	Age	Diagnosis (WHO)	Karyotypes
P1	M	53	AML-M1	46,XY,t(2;11)(p21;q23)[15]
P2	M	72	AML-M4	46,XY,t(2;11)(p21;q23)[1]/46,idem,add(7)(q32)[15]
P3	F	56	AML with multilineage dysplasia (M2)	47,XX,t(2;11)(p21;q23),del(5)(q13q31),+21[12]/45,sl,-7,-21[7]/46,XX[1]
P4	M	73	AML evolving from a MDS	46,XY,t(2;11)(p21;q23)[2]/46,sl,del(5)(q23q34)[6]/46,sl1, del(6)(q15q25)[2]
P5	M	57	AML with multilineage dysplasia (M2)	47,XY,t(2;11)(p21;q23),del(5)(q13q32),+mar[11]/46,X Y[3]
P6	M	69	AML with multilineage dysplasia (M2)	45,XY,t(2;11)(p21;q23),-7,-11,+der(11)t(2;11)(p21;q23)[20]/44,idem,-Y[3]
P7	M	56	AML with multilineage dysplasia (M0)	46,XY,t(2;11)(p21;q23)[16]
P8	M	74	AML with multilineage dysplasia (M4)	46,XY,t(2;11)(p21;q23),del(7)(q21q36),t(18;21)(q21;q22)[18]
P9	F	71	AML evolving from a CMMI	46,XX,t(2;11)(p21;q23)
P10	M	52	AML evolving from a RAEB	46,XY,t(2;11)(p21;q23),del(5)(q21q33),del(7)(q21q35)[2]/46,idem,t(4;17)(p11;q11)[18]
P11	M	53	RAEB-1	46,XY,t(2;11)(p21;q23),del(5)(q21q34)[20]
P12	M	71	RAEB-2	46,XY,t(2;11)(p21;q23),del(5)(q14q33)[10]
P13	M	69	RCMD-RS	46,XY,t(2;11)(p21;q23)[10]/46,XY,idem,del(5)(q21-22q35)[8]/46,XY[2]
P14	M	62	RCMD	46,XY,t(2;11)(p21;q23)[2]/46,idem,del(5)(q23q32)[10]/46,XY[1]
P15	M	60	RCMD	46,XY,t(2;11)(p21;q23)[16]
P16	M	54	RAEB-2	46,XY,t(2;11)(p21;q23)[11]/46,idem,del(5)(q23q32)[13]
P17	F	71	RAEB	46,XX,t(2;11)(p21;q23),del(5)(q14q33) 46,XX,t(2;11)(p21;q23),del(5q)[12]/46,sl,-11,+der(11)t(2;11)(p21;q23)[6]/46,XX,t(2;11)(p21;q23),del(5q)add(5)(q36),-7,+mar[2]
P19	M	58	MDS-U	46,XY,t(2;11)(p21;q23)

CMMI, chronic myelomonocytic leukemia; MDS-U, myelodysplastic syndrome—unclassified; RA, refractory anemia; RAEB, RA with excess of blasts; RCMD, refractory cytopenia with multilineage dysplasia; RCMD-RS, RCMD with ring sideroblasts; WHO, World Health Organization.

Table S2. Identification of the breakpoint regions on chromosomes 2 and 11 by FISH with BAC and fosmid probes

Patients	FISH on chromosome 11		FISH on chromosome 2	
	RP11-382J20	G248P85412D12	RP11-391M15	RP11-183F15
P1	Split		Split	
P2	Split			
P3	Split		Split	Chr 2
P4	Split			
P5	Split		Split	
P6	Split	Split	Split	
P7	Split			Chr 2
P8	Split		Chr 11	Chr 2
P9				
P10				
P11	Split	Split	Chr 11	Chr 2
P12		Split	Chr 11	
P13	Split			
P14	Split		Split	
P15	Split		Split	
P16	Chr 11		Chr 11	Chr 2
P17	Split		Split	
P18	Split		Split	
P19				

RP11 are BAC probes and G248P85412D12 is a fosmid. Of note, there is no split of the BAC RP11-382J20 for patient P16, which can be explained by a deletion. Of interest, FISH revealed two distinct breakpoint areas on chromosome 2 (split either within RP11-391M15 or between RP11-391M15 and RP11-183F15; Fig. S1, available at <http://www.jem.org/cgi/content/full/jem.20080285/DC1>).

Table S3. Primers used in LDI-PCR experiments

	PstI digestion	Apal digestion
PCR forward primer	5'-agcagccaaaccaggcactcaaatc-3'	5'-attagggaaacacgcacaccccc-3'
PCR reverse primer	5'-tagaggtggctagagcatatctca-3'	5'-gaagcacggctgaaggttcgatg-3'
Nested forward primer	5'-gaagcacggctgaagggtcgatg-3'	5'-atgttcagtatggctgacacgc-3'
Nested reverse primer	5'-agtggccactctgcctcaggat-3'	5'-aagcttagtggataccctgc-3'

Table S4. Bioinformatic research of miR-125b target genes using TargetScan, RNAhybrid, PicTar, and miRanda softwares

Gene	Overlap	Symbol	Title
10257	targetscan,rnahybrid,pictar,	ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4
10057	targetscan,rnahybrid,pictar,	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
171586	targetscan,rnahybrid,pictar,	ABHD3	abhydrolase domain containing 3
57406	targetscan,rnahybrid,pictar,	ABHD6	abhydrolase domain containing 6
80325	targetscan,rnahybrid,pictar,	ABTB1	ankyrin repeat and BTB (POZ) domain containing 1
41	targetscan,rnahybrid,pictar,	ACCN2	amiloride-sensitive cation channel 2, neuronal
9507	targetscan,rnahybrid,pictar,miranda	ADAMTS4	ADAM metallopeptidase with thrombospondin type 1 motif, 4
119	rnahybrid,pictar,miranda,	ADD2	adducin 2 (beta)
8165	targetscan,rnahybrid,pictar,	AKAP1	A kinase (PRKA) anchor protein 1
290	targetscan,rnahybrid,pictar,	ANPEP	alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150)
118429	targetscan,rnahybrid,pictar,	ANTXR2	anthrax toxin receptor 2
63941	targetscan,rnahybrid,pictar,	APBA2BP	amyloid beta (A4) precursor protein-binding, family A, member 2 binding protein
79754	targetscan,rnahybrid,pictar,	ASB13	ankyrin repeat and SOCS box-containing 13
84913	targetscan,rnahybrid,pictar,	ATOH8	ataonal homolog 8 (<i>Drosophila</i>)
517	targetscan,rnahybrid,pictar,	ATP5G2	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit C2 (subunit 9)
575	targetscan,rnahybrid,pictar,	BAI1	brain-specific angiogenesis inhibitor 1
8314	targetscan,rnahybrid,pictar,	BAP1	BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)
7862	targetscan,rnahybrid,pictar,	BRPF1	bromodomain and PHD finger containing, 1
54014	targetscan,rnahybrid,pictar,	BRWD1	bromodomain and WD repeat domain containing 1
26099	targetscan,rnahybrid,pictar,miranda,	C1orf144	chromosome 1 open reading frame 144
55262	targetscan,rnahybrid,pictar,	C7orf43	chromosome 7 open reading frame 43
286343	targetscan,rnahybrid,pictar,	C9orf150	chromosome 9 open reading frame 150
55684	targetscan,rnahybrid,pictar,	C9orf86	chromosome 9 open reading frame 86
782	targetscan,rnahybrid,pictar,	CACNB1	calcium channel, voltage-dependent, beta 1 subunit
64793	targetscan,rnahybrid,pictar,	CCDC21	coiled-coil domain containing 21
947	rnahybrid,pictar,miranda,	CD34	CD34 molecule
56882	targetscan,pictar,miranda,	CDC42SE1	CDC42 small effector 1
30850	targetscan,rnahybrid,pictar,	CDR2L	cerebellar degeneration-related protein 2-like
1952	targetscan,rnahybrid,pictar,	CELSR2	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, <i>Drosophila</i>)
57530	targetscan,rnahybrid,pictar,miranda,	CGN	cingulin
64708	targetscan,rnahybrid,pictar,	COPS7B	COP9 constitutive photomorphogenic homolog subunit 7B (<i>Arabidopsis</i>)
7464	targetscan,rnahybrid,pictar,	CORO2A	coronin, actin binding protein, 2A
10391	targetscan,rnahybrid,pictar,	CORO2B	coronin, actin binding protein, 2B
7812	targetscan,rnahybrid,miranda,	CSDE1	cold shock domain containing E1, RNA-binding
1457	targetscan,rnahybrid,pictar,	CSNK2A1	casein kinase 2, alpha 1 polypeptide
256643	targetscan,rnahybrid,pictar,	CXorf23	chromosome X open reading frame 23
9802	targetscan,rnahybrid,pictar,	DAZAP2	DAZ associated protein 2
1639	targetscan,rnahybrid,pictar,miranda,	DCTN1	dynactin 1 (p150, glued homolog, <i>Drosophila</i>)
11325	targetscan,rnahybrid,pictar,	DDX42	DEAD (Asp-Glu-Ala-Asp) box polypeptide 42
129563	targetscan,rnahybrid,pictar,	DIS3L2	DIS3 mitotic control homolog (<i>S. cerevisiae</i>)-like 2
54567	targetscan,rnahybrid,pictar,	DLL4	delta-like 4 (<i>Drosophila</i>)
25822	targetscan,rnahybrid,pictar,	DNAJB5	DnaJ (Hsp40) homolog, subfamily B, member 5
85406	targetscan,rnahybrid,pictar,	DNAJC14	DnaJ (Hsp40) homolog, subfamily C, member 14

10126	targetscan,rnahybrid,pictar,	DNAL4	dynein, axonemal, light chain 4
5977	targetscan,rnahybrid,pictar,	DPF2	D4, zinc and double PHD fingers family 2
10570	targetscan,rnahybrid,pictar,	DPYSL4	dihydropyrimidinase-like 4
1848	targetscan,rnahybrid,pictar,	DUSP6	dual specificity phosphatase 6
1906	targetscan,rnahybrid,pictar,	EDN1	endothelin 1
27161	targetscan,rnahybrid,pictar,	EIF2C2	eukaryotic translation initiation factor 2C, 2
1978	targetscan,rnahybrid,pictar,	EIF4EBP1	eukaryotic translation initiation factor 4E binding protein 1
79071	targetscan,rnahybrid,pictar,	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)
129080	targetscan,rnahybrid,pictar,	EMID1	EMI domain containing 1
9583	targetscan,rnahybrid,pictar,	ENTPD4	ectonucleoside triphosphate diphosphohydrolase 4
2101	targetscan,rnahybrid,pictar,	ESRRA	estrogen-related receptor alpha
2104	targetscan,pictar,miranda,	ESRRG	estrogen-related receptor gamma
55007	targetscan,rnahybrid,pictar,	FAM118A	family with sequence similarity 118, member A
219287	targetscan,rnahybrid,pictar,	FAM123A	family with sequence similarity 123A
64855	targetscan,rnahybrid,pictar,	FAM129B	family with sequence similarity 129, member B
79137	targetscan,rnahybrid,pictar,	FAM134A	family with sequence similarity 134, member A
23344	targetscan,rnahybrid,pictar,	FAM62A	family with sequence similarity 62 (C2 domain containing), member A
6468	targetscan,rnahybrid,pictar,	FBXW4	F-box and WD repeat domain containing 4
2263	targetscan,rnahybrid,pictar,	FGFR2	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)
2286	targetscan,rnahybrid,pictar,	FKBP2	FK506 binding protein 2, 13kDa
2307	targetscan,rnahybrid,pictar,	FKHL18	forkhead-like 18 (<i>Drosophila</i>)
401172	targetscan,rnahybrid,pictar,	FLJ33360	FLJ33360 protein
168455	targetscan,rnahybrid,pictar,	FLJ36031	hypothetical protein FLJ36031
153129	targetscan,rnahybrid,pictar,	FLJ90709	hypothetical protein FLJ90709
2319	targetscan,rnahybrid,pictar,	FLOT2	flotillin 2
94234	targetscan,rnahybrid,pictar,	FOXQ1	forkhead box Q1
79623	targetscan,rnahybrid,pictar,miranda,	GALNT14	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 14 (GalNAc-T14)
10634	targetscan,rnahybrid,pictar,	GAS2L1	growth arrest-specific 2 like 1
2686	sami,targetscan,rnahybrid,pictar,	GGTL3	gamma-glutamyltransferase-like 3
2697	targetscan,rnahybrid,pictar,	GJA1	gap junction protein, alpha 1, 43kDa
9950	targetscan,rnahybrid,pictar,	GOLGA5	golgi autoantigen, golgin subfamily a, 5
2239	targetscan,rnahybrid,pictar,	GPC4	glycan 4
29841	targetscan,rnahybrid,pictar,miranda,	GRHL1	grainyhead-like 1 (<i>Drosophila</i>)
54676	targetscan,rnahybrid,pictar,	GTPBP2	GTP binding protein 2
10021	targetscan,rnahybrid,pictar,	HCN4	hyperpolarization activated cyclic nucleotide-gated potassium channel 4
3067	targetscan,rnahybrid,pictar,	HDC	histidine decarboxylase
84641	targetscan,rnahybrid,pictar,	HIATL1	hippocampus abundant transcript-like 1
3097	targetscan,rnahybrid,pictar,	HIVEP2	human immunodeficiency virus type I enhancer binding protein 2
57594	targetscan,rnahybrid,pictar,	HOMEZ	homeobox and leucine zipper encoding
3223	targetscan,rnahybrid,pictar,	HOXC6	homeobox C6
9592	targetscan,rnahybrid,pictar,	IER2	immediate early response 2
51124	targetscan,rnahybrid,pictar,	IER3IP1	immediate early response 3 interacting protein 1
3680	targetscan,rnahybrid,pictar,	ITGA9	integrin, alpha 9
3728	targetscan,rnahybrid,pictar,	JUP	junction plakoglobin
90134	targetscan,rnahybrid,pictar,	KCNH7	potassium voltage-gated channel, subfamily H (eag-related), member 7
3790	targetscan,rnahybrid,pictar,miranda,	KCNS3	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3

54442	targetscan,rnahybrid,pictar,	KCTD5	potassium channel tetramerisation domain containing 5
9798	targetscan,rnahybrid,pictar,	KIAA0174	
57698	targetscan,rnahybrid,pictar,	KIAA1598	
64837	targetscan,rnahybrid,pictar,	KLC2	kinesin light chain 2
114294	targetscan,rnahybrid,pictar,	LACTB	lactamase, beta
81606	targetscan,pictar,miranda,	LBH	limb bud and heart development homolog (mouse)
8861	targetscan,rnahybrid,pictar,	LDB1	LIM domain binding 1
431707	targetscan,rnahybrid,pictar,	LHX8	LIM homeobox 8
4012	targetscan,rnahybrid,pictar,	LNPEP	leucyl/cysteinyl aminopeptidase
4016	targetscan,rnahybrid,pictar,	LOXL1	lysyl oxidase-like 1
11313	targetscan,rnahybrid,pictar,miranda,	LYPLA2	lysophospholipase II
4074	targetscan,rnahybrid,pictar,	M6PR	mannose-6-phosphate receptor (cation dependent)
8567	targetscan,rnahybrid,pictar,	MADD	MAP-kinase activating death domain
256691	targetscan,rnahybrid,pictar,	MAMDC2	MAM domain containing 2
11253	targetscan,rnahybrid,pictar,	MAN1B1	mannosidase, alpha, class 1B, member 1
4294	targetscan,rnahybrid,pictar,	MAP3K10	mitogen-activated protein kinase kinase kinase 10
4296	targetscan,rnahybrid,pictar,	MAP3K11	mitogen-activated protein kinase kinase kinase 11
1432	targetscan,rnahybrid,pictar,	MAPK14	mitogen-activated protein kinase 14
4139	targetscan,pictar,miranda,	MARK1	MAP/microtubule affinity-regulating kinase 1
5648	targetscan,rnahybrid,pictar,	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor)
4144	targetscan,rnahybrid,pictar,	MAT2A	methionine adenosyltransferase II, alpha
4170	targetscan,pictar,miranda,	MCL1	myeloid cell leukemia sequence 1 (BCL2-related)
51586	targetscan,rnahybrid,pictar,	MED15	mediator complex subunit 15
51072	targetscan,rnahybrid,pictar,miranda,	MEMO1	mediator of cell motility 1
55669	targetscan,rnahybrid,pictar,	MFN1	mitofusin 1
25988	targetscan,rnahybrid,pictar,	MIZF	MBD2-interacting zinc finger
8079	targetscan,rnahybrid,pictar,	MLF2	myeloid leukemia factor 2
4320	targetscan,rnahybrid,pictar,	MMP11	matrix metallopeptidase 11 (stromelysin 3)
4661	targetscan,rnahybrid,pictar,	MYT1	myelin transcription factor 1
4685	targetscan,rnahybrid,pictar,	NCAM2	neural cell adhesion molecule 2
9612	targetscan,rnahybrid,pictar,	NCOR2	nuclear receptor co-repressor 2
4739	targetscan,rnahybrid,pictar,	NEDD9	neural precursor cell expressed, developmentally down-regulated 9
4741	targetscan,rnahybrid,pictar,	NEFM	neurofilament, medium polypeptide 150kDa
4758	targetscan,rnahybrid,pictar,	NEU1	sialidase 1 (lysosomal sialidase)
11270	targetscan,rnahybrid,pictar,	NRM	jurim (nuclear envelope membrane protein)
221294	targetscan,rnahybrid,pictar,	NT5DC1	5'-nucleotidase domain containing 1
9253	targetscan,rnahybrid,pictar,	NUMBL	numb homolog (<i>Drosophila</i>)-like
23225	sami,targetscan,rnahybrid,pictar,	NUP210	nucleoporin 210kDa
4947	targetscan,rnahybrid,pictar,	OAZ2	ornithine decarboxylase antizyme 2
114883	targetscan,rnahybrid,pictar,miranda,	OSBPL9	oxysterol binding protein-like 9
26986	targetscan,rnahybrid,pictar,	PABPC1	poly(A) binding protein, cytoplasmic 1
84108	targetscan,rnahybrid,pictar,	PCGF6	polycomb group ring finger 6
9159	targetscan,rnahybrid,pictar,	PCSK7	proprotein convertase subtilisin/kexin type 7
5127	targetscan,rnahybrid,pictar,	PCTK1	PCTAIRE protein kinase 1
58488	targetscan,rnahybrid,pictar,	PCTP	phosphatidylcholine transfer protein
116154	targetscan,rnahybrid,pictar,	PHACTR3	phosphatase and actin regulator 3
1912	targetscan,rnahybrid,pictar,miranda,	PHC2	polyhomeotic homolog 2 (<i>Drosophila</i>)
8929	targetscan,rnahybrid,pictar,	PHOX2B	paired-like homeobox 2b
9796	targetscan,rnahybrid,pictar,	PHYHIP	phytanoyl-CoA 2-hydroxylase interacting protein
55300	targetscan,rnahybrid,pictar,	PI4K2B	phosphatidylinositol 4-kinase type 2 beta

8502	targetscan,rnahybrid,pictar,	PKP4	plakophilin 4
5325	targetscan,rnahybrid,pictar,	PLAGL1	pleiomorphic adenoma gene-like 1
51054	targetscan,rnahybrid,pictar,	PLEKHA9	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 9
1263	targetscan,rnahybrid,pictar,	PLK3	polo-like kinase 3 (<i>Drosophila</i>)
5471	targetscan,rnahybrid,pictar,	PPAT	phosphoribosyl pyrophosphate amidotransferase
51400	targetscan,rnahybrid,pictar,	PPME1	protein phosphatase methylesterase 1
5499	targetscan,rnahybrid,pictar,	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isoform
5515	targetscan,rnahybrid,pictar,	PPP2CA	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform
7799	rnahybrid,pictar,miranda,	PRDM2	PR domain containing 2, with ZNF domain
8575	targetscan,rnahybrid,pictar,	PRKRA	protein kinase, interferon-inducible double stranded RNA dependent activator
26469	targetscan,rnahybrid,pictar,	PTPN18	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)
5792	targetscan,rnahybrid,pictar,miranda,	PTPRF	protein tyrosine phosphatase, receptor type, F
9545	targetscan,rnahybrid,pictar,	RAB3D	RAB3D, member RAS oncogene family
51195	targetscan,rnahybrid,pictar,	RAPGEFL1	Rap guanine nucleotide exchange factor (GEF)-like 1
9462	targetscan,rnahybrid,pictar,	RASAL2	RAS protein activator like 2
221002	targetscan,rnahybrid,pictar,	RASGEF1A	RasGEF domain family, member 1A
221662	targetscan,rnahybrid,pictar,	RBM24	RNA binding motif protein 24
55544	targetscan,rnahybrid,pictar,	RBM38	RNA binding motif protein 38
10179	targetscan,rnahybrid,pictar,	RBM7	RNA binding motif protein 7
5993	targetscan,rnahybrid,pictar,	RFX5	regulatory factor X, 5 (influences HLA class II expression)
8625	targetscan,rnahybrid,pictar,	RFXANK	regulatory factor X-associated ankyrin-containing protein
89941	targetscan,rnahybrid,pictar,	RHOT2	ras homolog gene family, member T2
55298	targetscan,rnahybrid,pictar,	RNF121	ring finger protein 121
9810	targetscan,rnahybrid,pictar,	RNF40	ring finger protein 40
6195	targetscan,rnahybrid,pictar,miranda,	RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptide 1
140700	targetscan,rnahybrid,pictar,	SAMD10	sterile alpha motif domain containing 10
6337	targetscan,rnahybrid,pictar,	SCNN1A	sodium channel, nonvoltage-gated 1 alpha
23541	targetscan,rnahybrid,pictar,	SEC14L2	SEC14-like 2 (<i>S. cerevisiae</i>)
10509	targetscan,rnahybrid,pictar,	SEMA4B	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B
54910	targetscan,rnahybrid,pictar,	SEMA4C	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C
10507	targetscan,rnahybrid,pictar,	SEMA4D	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D
10505	rnahybrid,pictar,miranda,	SEMA4F	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4F
29946	sami,targetscan,rnahybrid,pictar,	SERTAD3	SERTA domain containing 3
23677	targetscan,rnahybrid,pictar,	SH3BP4	SH3-domain binding protein 4
80851	targetscan,rnahybrid,pictar,	SH3BP5L	SH3-binding domain protein 5-like
51547	targetscan,rnahybrid,pictar,	SIRT7	sirtuin (silent mating type information regulation 2 homolog) 7 (<i>S. cerevisiae</i>)
57030	targetscan,rnahybrid,pictar,	SLC17A7	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7
10999	sami,targetscan,rnahybrid,pictar,	SLC27A4	solute carrier family 27 (fatty acid transporter), member 4
113829	targetscan,rnahybrid,pictar,	SLC35A4	solute carrier family 35, member A4
55334	targetscan,rnahybrid,pictar,	SLC39A9	solute carrier family 39 (zinc transporter), member 9
28232	targetscan,rnahybrid,pictar,	SLCO3A1	solute carrier organic anion transporter family, member 3A1
84189	targetscan,rnahybrid,pictar,	SLTRK6	SLIT and NTRK-like family, member 6
6603	sami,targetscan,rnahybrid,pictar,	SMARCD2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2
55671	targetscan,rnahybrid,pictar,	SMEK1	SMEK homolog 1, suppressor of mek1 (<i>Dictyostelium</i>)
6615	targetscan,rnahybrid,pictar,	SNAI1	snail homolog 1 (<i>Drosophila</i>)

6272	targetscan,pictar,miranda,	SORT1	sortilin 1
121340	targetscan,rnahybrid,pictar,	SP7	Sp7 transcription factor
92369	targetscan,rnahybrid,pictar,	SPSB4	spla/ryanodine receptor domain and SOCS box containing 4
7903	targetscan,rnahybrid,pictar,	ST8SIA4	ST8 alpha-N-acetyl-neuraminate alpha-2,8-sialyltransferase 4
6839	targetscan,rnahybrid,pictar,	SUV39H1	suppressor of variegation 3-9 homolog 1 (<i>Drosophila</i>)
84787	sami,targetscan,rnahybrid,pictar,	SUV420H2	suppressor of variegation 4-20 homolog 2 (<i>Drosophila</i>)
84447	targetscan,rnahybrid,pictar,	SYVN1	synovial apoptosis inhibitor 1, synoviolin
51616	targetscan,rnahybrid,pictar,	TAF9B	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa
6901	targetscan,rnahybrid,pictar,	TAZ	tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome)
23216	targetscan,rnahybrid,pictar,	TBC1D1	TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1
9496	targetscan,rnahybrid,pictar,	TBX4	T-box 4
6996	targetscan,rnahybrid,pictar,	TDG	thymine-DNA glycosylase
8463	targetscan,rnahybrid,pictar,	TEAD2	TEA domain family member 2
11011	targetscan,rnahybrid,pictar,	TLK2	tousled-like kinase 2
54732	targetscan,rnahybrid,pictar,	TMED9	transmembrane emp24 protein transport domain containing 9
124842	targetscan,rnahybrid,pictar,	TMEM132E	transmembrane protein 132E
153396	targetscan,rnahybrid,pictar,	TMEM161B	transmembrane protein 161B
84141	targetscan,rnahybrid,pictar,miranda,	TMEM166	transmembrane protein 166
64418	targetscan,rnahybrid,pictar,	TMEM168	transmembrane protein 168
79847	targetscan,rnahybrid,pictar,	TMEM180	transmembrane protein 180
128338	targetscan,rnahybrid,pictar,miranda,	TMEM77	transmembrane protein 77
84000	targetscan,rnahybrid,pictar,	TPRSS13	transmembrane protease, serine 13
7292	targetscan,pictar,miranda,	TNFSF4	tumor necrosis factor (ligand) superfamily, member 4 (tax-transcriptionally activated glycoprotein 1, 34kDa)
51499	targetscan,rnahybrid,pictar,	TRIAP1	TP53 regulated inhibitor of apoptosis 1
28951	targetscan,rnahybrid,pictar,miranda,	TRIB2	tribbles homolog 2 (<i>Drosophila</i>)
283989	targetscan,rnahybrid,pictar,	TSEN54	tRNA splicing endonuclease 54 homolog (<i>S. cerevisiae</i>)
23554	targetscan,rnahybrid,pictar,	TSPAN12	tetraspanin 12
81619	targetscan,rnahybrid,pictar,	TSPAN14	tetraspanin 14
7283	targetscan,rnahybrid,pictar,	TUBG1	tubulin, gamma 1
80019	targetscan,rnahybrid,pictar,	UBTD1	ubiquitin domain containing 1
8633	targetscan,rnahybrid,pictar,	UNC5C	unc-5 homolog C (<i>C. elegans</i>)
23353	targetscan,rnahybrid,pictar,	UNC84A	unc-84 homolog A (<i>C. elegans</i>)
219333	targetscan,rnahybrid,pictar,	USP12	ubiquitin specific peptidase 12
84640	targetscan,rnahybrid,pictar,	USP38	ubiquitin specific peptidase 38
9924	targetscan,rnahybrid,pictar,	USP52	ubiquitin specific peptidase 52
79720	targetscan,rnahybrid,pictar,	VPS37B	vacuolar protein sorting 37 homolog B (<i>S. cerevisiae</i>)
9525	targetscan,rnahybrid,pictar,	VPS4B	vacuolar protein sorting 4 homolog B (<i>S. cerevisiae</i>)
9948	targetscan,rnahybrid,pictar,	WDR1	WD repeat domain 1
55625	targetscan,rnahybrid,pictar,	ZDHHC7	zinc finger, DHHC-type containing 7
53349	sami,targetscan,rnahybrid,pictar,	ZFYVE1	zinc finger, FYVE domain containing 1
23528	targetscan,rnahybrid,pictar,	ZNF281	zinc finger protein 281
25946	targetscan,rnahybrid,pictar,	ZNF385	zinc finger protein 385