

Table SI. The target genes of these 62 miRNAs were predicted using the bioinformatics databases TargetScan and miRanda.

miRNA	Gene_ID	Model number
hsa-miR-103a-3p	SEPT6	Profile1
hsa-miR-107	SEPT6	Profile1
hsa-miR-103a-3p	SEPT8	Profile1
hsa-miR-107	SEPT8	Profile1
hsa-miR-203a-3p	AAK1	Profile1
hsa-miR-93-3p	AAK1	Profile1
hsa-miR-549a	ABAT	Profile1
hsa-miR-203a-3p	ABCE1	Profile1
hsa-miR-19a-3p	ABHD5	Profile1
hsa-miR-93-3p	ABI2	Profile1
hsa-miR-203a-3p	ABL1	Profile1
hsa-miR-103a-3p	ABL2	Profile1
hsa-miR-107	ABL2	Profile1
hsa-miR-203a-3p	ACADSB	Profile1
hsa-miR-19a-3p	ACBD5	Profile1
hsa-miR-203a-3p	ACO2	Profile1
hsa-miR-203a-3p	ACSL1	Profile1
hsa-miR-103a-3p	ACTR2	Profile1
hsa-miR-107	ACTR2	Profile1
hsa-miR-549a	ACVR1C	Profile1
hsa-miR-103a-3p	ACVR2B	Profile1
hsa-miR-107	ACVR2B	Profile1
hsa-miR-93-3p	ACVR2B	Profile1
hsa-miR-19a-3p	ADAM12	Profile1
hsa-miR-203a-3p	ADAMTS6	Profile1
hsa-miR-93-3p	ADAMTSL1	Profile1
hsa-miR-19a-3p	ADAMTSL3	Profile1
hsa-miR-19a-3p	ADCY7	Profile1
hsa-miR-203a-3p	ADCY9	Profile1
hsa-miR-103a-3p	ADCYAP1	Profile1
hsa-miR-107	ADCYAP1	Profile1
hsa-miR-19a-3p	ADIPOR2	Profile1
hsa-miR-93-3p	ADIPOR2	Profile1
hsa-miR-203a-3p	AFAP1L2	Profile1
hsa-miR-19a-3p	AFF1	Profile1
hsa-miR-203a-3p	AFF2	Profile1
hsa-miR-103a-3p	AFF4	Profile1
hsa-miR-107	AFF4	Profile1
hsa-miR-107	AGFG1	Profile1
hsa-miR-203a-3p	AHR	Profile1
hsa-miR-203a-3p	AKT2	Profile1
hsa-miR-203a-3p	ALG10B	Profile1
hsa-miR-19a-3p	ALG2	Profile1
hsa-miR-103a-3p	AMMECR1	Profile1
hsa-miR-107	AMMECR1	Profile1
hsa-miR-103a-3p	AMOT	Profile1
hsa-miR-107	AMOT	Profile1
hsa-miR-103a-3p	ANK1	Profile1
hsa-miR-107	ANK1	Profile1
hsa-miR-103a-3p	ANKFY1	Profile1
hsa-miR-107	ANKFY1	Profile1
hsa-miR-19a-3p	ANKRD34A	Profile1
hsa-miR-103a-3p	ANKRD44	Profile1
hsa-miR-107	ANKRD44	Profile1
hsa-miR-203a-3p	ANKRD52	Profile1
hsa-miR-103a-3p	ANKRD52	Profile1
hsa-miR-107	ANKRD52	Profile1
hsa-miR-103a-3p	ANO3	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-3p	ANXA4	Profile1
hsa-miR-19a-3p	ANXA7	Profile1
hsa-miR-203a-3p	APC	Profile1
hsa-miR-203a-3p	API5	Profile1
hsa-miR-103a-3p	AQP11	Profile1
hsa-miR-107	AQP11	Profile1
hsa-miR-19a-3p	ARFGEF1	Profile1
hsa-miR-103a-3p	ARHGAP5	Profile1
hsa-miR-107	ARHGAP5	Profile1
hsa-miR-93-3p	ARID1A	Profile1
hsa-miR-93-3p	ARID4A	Profile1
hsa-miR-103a-3p	ARIH2	Profile1
hsa-miR-107	ARIH2	Profile1
hsa-miR-549a	ARL8B	Profile1
hsa-miR-103a-3p	ARNT	Profile1
hsa-miR-107	ARNT	Profile1
hsa-miR-19a-3p	ASNA1	Profile1
hsa-miR-103a-3p	ATF7	Profile1
hsa-miR-107	ATF7	Profile1
hsa-miR-103a-3p	ATL2	Profile1
hsa-miR-549a	ATP11A	Profile1
hsa-miR-203a-3p	ATP11B	Profile1
hsa-miR-103a-3p	ATP13A3	Profile1
hsa-miR-107	ATP13A3	Profile1
hsa-miR-93-3p	ATP1A4	Profile1
hsa-miR-19a-3p	ATP2B2	Profile1
hsa-miR-19a-3p	ATP2C1	Profile1
hsa-miR-93-3p	ATRNL	Profile1
hsa-miR-19a-3p	ATXN1	Profile1
hsa-miR-103a-3p	AXIN2	Profile1
hsa-miR-107	AXIN2	Profile1
hsa-miR-203a-3p	B3GALNT2	Profile1
hsa-miR-19a-3p	B3GALNT2	Profile1
hsa-miR-103a-3p	BACH2	Profile1
hsa-miR-107	BACH2	Profile1
hsa-miR-103a-3p	BAZ2A	Profile1
hsa-miR-107	BAZ2A	Profile1
hsa-miR-93-3p	BAZ2A	Profile1
hsa-miR-19a-3p	BCAT1	Profile1
hsa-miR-103a-3p	BCL2L13	Profile1
hsa-miR-107	BCL2L13	Profile1
hsa-miR-19a-3p	BCL3	Profile1
hsa-miR-19a-3p	BCL7A	Profile1
hsa-miR-203a-3p	BEND4	Profile1
hsa-miR-19a-3p	BEND4	Profile1
hsa-miR-93-3p	BICD2	Profile1
hsa-miR-203a-3p	BMI1	Profile1
hsa-miR-19a-3p	BNC2	Profile1
hsa-miR-549a	BNC2	Profile1
hsa-miR-93-3p	BNC2	Profile1
hsa-miR-93-3p	BRD4	Profile1
hsa-miR-103a-3p	BSDC1	Profile1
hsa-miR-107	BSDC1	Profile1
hsa-miR-19a-3p	BSN	Profile1
hsa-miR-19a-3p	BTF3L4	Profile1
hsa-miR-103a-3p	BTG2	Profile1
hsa-miR-107	BTG2	Profile1
hsa-miR-103a-3p	BTLA	Profile1
hsa-miR-107	BTLA	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-103a-3p	BTRC	Profile1
hsa-miR-107	BTRC	Profile1
hsa-miR-93-3p	BTRC	Profile1
hsa-miR-93-3p	C1QTNF6	Profile1
hsa-miR-103a-3p	CAB39	Profile1
hsa-miR-107	CAB39	Profile1
hsa-miR-93-3p	CAB39	Profile1
hsa-miR-203a-3p	CABP7	Profile1
hsa-miR-19a-3p	CACNA1C	Profile1
hsa-miR-103a-3p	CACNA2D1	Profile1
hsa-miR-107	CACNA2D1	Profile1
hsa-miR-93-3p	CADM3	Profile1
hsa-miR-19a-3p	CADM4	Profile1
hsa-miR-103a-3p	CAMKK1	Profile1
hsa-miR-107	CAMKK1	Profile1
hsa-miR-103a-3p	CAMKV	Profile1
hsa-miR-107	CAMKV	Profile1
hsa-miR-19a-3p	CAMTA1	Profile1
hsa-miR-103a-3p	CAPZA2	Profile1
hsa-miR-107	CAPZA2	Profile1
hsa-miR-19a-3p	CARD10	Profile1
hsa-miR-203a-3p	CASK	Profile1
hsa-miR-103a-3p	CASK	Profile1
hsa-miR-107	CASK	Profile1
hsa-miR-549a	CASP14	Profile1
hsa-miR-19a-3p	CBFB	Profile1
hsa-miR-203a-3p	CBL	Profile1
hsa-miR-19a-3p	CBX1	Profile1
hsa-miR-549a	CBX7	Profile1
hsa-miR-103a-3p	CC2D1B	Profile1
hsa-miR-107	CC2D1B	Profile1
hsa-miR-19a-3p	CCDC126	Profile1
hsa-miR-103a-3p	CCDC50	Profile1
hsa-miR-107	CCDC50	Profile1
hsa-miR-103a-3p	CCDC85C	Profile1
hsa-miR-107	CCDC85C	Profile1
hsa-miR-19a-3p	CCDC88A	Profile1
hsa-miR-19a-3p	CCND2	Profile1
hsa-miR-19a-3p	CCNT2	Profile1
hsa-miR-93-3p	CD93	Profile1
hsa-miR-103a-3p	CDC23	Profile1
hsa-miR-107	CDC23	Profile1
hsa-miR-103a-3p	CDC27	Profile1
hsa-miR-107	CDC27	Profile1
hsa-miR-19a-3p	CDC42BPA	Profile1
hsa-miR-93-3p	CDCP1	Profile1
hsa-miR-203a-3p	CDH6	Profile1
hsa-miR-103a-3p	CDK5R1	Profile1
hsa-miR-107	CDK5R1	Profile1
hsa-miR-103a-3p	CDK6	Profile1
hsa-miR-107	CDK6	Profile1
hsa-miR-103a-3p	CDK8	Profile1
hsa-miR-107	CDK8	Profile1
hsa-miR-103a-3p	CECR6	Profile1
hsa-miR-107	CECR6	Profile1
hsa-miR-103a-3p	CELSR2	Profile1
hsa-miR-107	CELSR2	Profile1
hsa-miR-19a-3p	CEP350	Profile1
hsa-miR-203a-3p	CHD2	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-103a-3p	CHD2	Profile1
hsa-miR-107	CHD2	Profile1
hsa-miR-103a-3p	CHD6	Profile1
hsa-miR-107	CHD6	Profile1
hsa-miR-103a-3p	CHIC1	Profile1
hsa-miR-107	CHIC1	Profile1
hsa-miR-103a-3p	CHST11	Profile1
hsa-miR-107	CHST11	Profile1
hsa-miR-203a-3p	CIT	Profile1
hsa-miR-203a-3p	CITED2	Profile1
hsa-miR-103a-3p	CLCN5	Profile1
hsa-miR-107	CLCN5	Profile1
hsa-miR-103a-3p	CLIP1	Profile1
hsa-miR-107	CLIP1	Profile1
hsa-miR-19a-3p	CLOCK	Profile1
hsa-miR-203a-3p	CLSTN3	Profile1
hsa-miR-203a-3p	CLTC	Profile1
hsa-miR-19a-3p	CNGA3	Profile1
hsa-miR-93-3p	CNIH2	Profile1
hsa-miR-93-3p	CNOT2	Profile1
hsa-miR-19a-3p	CNOT4	Profile1
hsa-miR-19a-3p	CPEB3	Profile1
hsa-miR-19a-3p	CPEB4	Profile1
hsa-miR-19a-3p	CR2	Profile1
hsa-miR-93-3p	CRB2	Profile1
hsa-miR-203a-3p	CREB3	Profile1
hsa-miR-19a-3p	CSPP1	Profile1
hsa-miR-93-3p	CTTNBP2NL	Profile1
hsa-miR-549a	CUL3	Profile1
hsa-miR-19a-3p	CUX1	Profile1
hsa-miR-19a-3p	CYB561D1	Profile1
hsa-miR-103a-3p	D4S234E	Profile1
hsa-miR-107	D4S234E	Profile1
hsa-miR-19a-3p	DBT	Profile1
hsa-miR-103a-3p	DCLK1	Profile1
hsa-miR-107	DCLK1	Profile1
hsa-miR-203a-3p	DCP1A	Profile1
hsa-miR-103a-3p	DCP1A	Profile1
hsa-miR-107	DCP1A	Profile1
hsa-miR-203a-3p	DCP2	Profile1
hsa-miR-203a-3p	DCUN1D4	Profile1
hsa-miR-103a-3p	DDX18	Profile1
hsa-miR-107	DDX18	Profile1
hsa-miR-19a-3p	DGKG	Profile1
hsa-miR-203a-3p	DGKZ	Profile1
hsa-miR-19a-3p	DHX40	Profile1
hsa-miR-103a-3p	DICER1	Profile1
hsa-miR-107	DICER1	Profile1
hsa-miR-19a-3p	DIP2A	Profile1
hsa-miR-19a-3p	DLC1	Profile1
hsa-miR-103a-3p	DLG4	Profile1
hsa-miR-107	DLG4	Profile1
hsa-miR-203a-3p	DLG5	Profile1
hsa-miR-103a-3p	DLG5	Profile1
hsa-miR-107	DLG5	Profile1
hsa-miR-103a-3p	DLL1	Profile1
hsa-miR-107	DLL1	Profile1
hsa-miR-19a-3p	DOCK5	Profile1
hsa-miR-203a-3p	DPY19L4	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-103a-3p	DPYSL3	Profile1
hsa-miR-107	DPYSL3	Profile1
hsa-miR-19a-3p	DPYSL5	Profile1
hsa-miR-19a-3p	DSEL	Profile1
hsa-miR-93-3p	DSEL	Profile1
hsa-miR-103a-3p	DUS1L	Profile1
hsa-miR-107	DUS1L	Profile1
hsa-miR-203a-3p	DUSP5	Profile1
hsa-miR-203a-3p	DUT	Profile1
hsa-miR-103a-3p	DYNC1LI2	Profile1
hsa-miR-107	DYNC1LI2	Profile1
hsa-miR-103a-3p	DYRK2	Profile1
hsa-miR-107	DYRK2	Profile1
hsa-miR-203a-3p	EBF1	Profile1
hsa-miR-103a-3p	EBF1	Profile1
hsa-miR-107	EBF1	Profile1
hsa-miR-203a-3p	EBF3	Profile1
hsa-miR-203a-3p	ECHDC2	Profile1
hsa-miR-549a	EED	Profile1
hsa-miR-549a	EFR3B	Profile1
hsa-miR-19a-3p	EHBP1	Profile1
hsa-miR-203a-3p	EHF	Profile1
hsa-miR-203a-3p	EID2	Profile1
hsa-miR-103a-3p	EIF2C1	Profile1
hsa-miR-107	EIF2C1	Profile1
hsa-miR-107	EIF2C4	Profile1
hsa-miR-103a-3p	EIF5	Profile1
hsa-miR-107	EIF5	Profile1
hsa-miR-203a-3p	EIF5A2	Profile1
hsa-miR-19a-3p	ELAVL2	Profile1
hsa-miR-103a-3p	ELK4	Profile1
hsa-miR-107	ELK4	Profile1
hsa-miR-19a-3p	ELL	Profile1
hsa-miR-203a-3p	ELL2	Profile1
hsa-miR-19a-3p	ELOVL5	Profile1
hsa-miR-93-3p	EML1	Profile1
hsa-miR-93-3p	ENAH	Profile1
hsa-miR-19a-3p	ENPP5	Profile1
hsa-miR-103a-3p	ENSA	Profile1
hsa-miR-107	ENSA	Profile1
hsa-miR-103a-3p	ENTPD7	Profile1
hsa-miR-107	ENTPD7	Profile1
hsa-miR-103a-3p	EPHA3	Profile1
hsa-miR-107	EPHA3	Profile1
hsa-miR-19a-3p	ERBB4	Profile1
hsa-miR-103a-3p	ETNK1	Profile1
hsa-miR-107	ETNK1	Profile1
hsa-miR-19a-3p	EVI5	Profile1
hsa-miR-103a-3p	EXOC5	Profile1
hsa-miR-107	EXOC5	Profile1
hsa-miR-203a-3p	EYA4	Profile1
hsa-miR-103a-3p	FAF2	Profile1
hsa-miR-107	FAF2	Profile1
hsa-miR-203a-3p	FAM117B	Profile1
hsa-miR-103a-3p	FAM117B	Profile1
hsa-miR-107	FAM117B	Profile1
hsa-miR-203a-3p	FAM126B	Profile1
hsa-miR-103a-3p	FAM126B	Profile1
hsa-miR-107	FAM126B	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-3p	FAM135B	Profile1
hsa-miR-203a-3p	FAM155A	Profile1
hsa-miR-19a-3p	FAM160A1	Profile1
hsa-miR-103a-3p	FAM176A	Profile1
hsa-miR-19a-3p	FAM178A	Profile1
hsa-miR-19a-3p	FAM46C	Profile1
hsa-miR-93-3p	FAM49A	Profile1
hsa-miR-19a-3p	FAM69A	Profile1
hsa-miR-103a-3p	FAM73A	Profile1
hsa-miR-107	FAM73A	Profile1
hsa-miR-103a-3p	FAM81A	Profile1
hsa-miR-107	FAM81A	Profile1
hsa-miR-19a-3p	FAM83F	Profile1
hsa-miR-19a-3p	FASTK	Profile1
hsa-miR-203a-3p	FASTKD2	Profile1
hsa-miR-549a	FASTKD2	Profile1
hsa-miR-203a-3p	FAT3	Profile1
hsa-miR-103a-3p	FAT4	Profile1
hsa-miR-107	FAT4	Profile1
hsa-miR-103a-3p	FBXL20	Profile1
hsa-miR-107	FBXL20	Profile1
hsa-miR-93-3p	FBXL7	Profile1
hsa-miR-103a-3p	FBXO10	Profile1
hsa-miR-107	FBXO10	Profile1
hsa-miR-19a-3p	FBXO28	Profile1
hsa-miR-19a-3p	FBXO36	Profile1
hsa-miR-203a-3p	FBXO45	Profile1
hsa-miR-103a-3p	FCHSD1	Profile1
hsa-miR-107	FCHSD1	Profile1
hsa-miR-103a-3p	FERMT2	Profile1
hsa-miR-107	FERMT2	Profile1
hsa-miR-93-3p	FGF11	Profile1
hsa-miR-19a-3p	FKBP15	Profile1
hsa-miR-19a-3p	FLNC	Profile1
hsa-miR-203a-3p	FLRT2	Profile1
hsa-miR-93-3p	FMNL3	Profile1
hsa-miR-19a-3p	FNDC3B	Profile1
hsa-miR-103a-3p	FOXJ2	Profile1
hsa-miR-107	FOXJ2	Profile1
hsa-miR-203a-3p	FOXK1	Profile1
hsa-miR-203a-3p	FOXK2	Profile1
hsa-miR-19a-3p	FRAS1	Profile1
hsa-miR-103a-3p	FRMD4A	Profile1
hsa-miR-19a-3p	FRMD6	Profile1
hsa-miR-103a-3p	FRYL	Profile1
hsa-miR-107	FRYL	Profile1
hsa-miR-103a-3p	FURIN	Profile1
hsa-miR-107	FURIN	Profile1
hsa-miR-203a-3p	G6PC2	Profile1
hsa-miR-203a-3p	GABRA1	Profile1
hsa-miR-203a-3p	GABRB2	Profile1
hsa-miR-93-3p	GADD45G	Profile1
hsa-miR-103a-3p	GATAD2A	Profile1
hsa-miR-107	GATAD2A	Profile1
hsa-miR-103a-3p	GATAD2B	Profile1
hsa-miR-107	GATAD2B	Profile1
hsa-miR-93-3p	GATAD2B	Profile1
hsa-miR-103a-3p	GGA3	Profile1
hsa-miR-107	GGA3	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-103a-3p	GK	Profile1
hsa-miR-107	GK	Profile1
hsa-miR-203a-3p	GLCC11	Profile1
hsa-miR-19a-3p	GLTP	Profile1
hsa-miR-103a-3p	GLUD1	Profile1
hsa-miR-107	GLUD1	Profile1
hsa-miR-103a-3p	GOPC	Profile1
hsa-miR-107	GOPC	Profile1
hsa-miR-203a-3p	GPATCH1	Profile1
hsa-miR-103a-3p	GPATCH8	Profile1
hsa-miR-107	GPATCH8	Profile1
hsa-miR-93-3p	GPD1	Profile1
hsa-miR-103a-3p	GPR12	Profile1
hsa-miR-107	GPR12	Profile1
hsa-miR-103a-3p	GPR124	Profile1
hsa-miR-107	GPR124	Profile1
hsa-miR-203a-3p	GPR155	Profile1
hsa-miR-203a-3p	GPR180	Profile1
hsa-miR-19a-3p	GPRC5B	Profile1
hsa-miR-107	GREM2	Profile1
hsa-miR-93-3p	GREM2	Profile1
hsa-miR-203a-3p	GRSF1	Profile1
hsa-miR-103a-3p	GSTCD	Profile1
hsa-miR-107	GSTCD	Profile1
hsa-miR-103a-3p	GTPBP2	Profile1
hsa-miR-107	GTPBP2	Profile1
hsa-miR-93-3p	GUCY1A3	Profile1
hsa-miR-19a-3p	GULP1	Profile1
hsa-miR-203a-3p	GYS1	Profile1
hsa-miR-19a-3p	HCFC2	Profile1
hsa-miR-19a-3p	HDAC4	Profile1
hsa-miR-93-3p	HDAC8	Profile1
hsa-miR-103a-3p	HELZ	Profile1
hsa-miR-107	HELZ	Profile1
hsa-miR-203a-3p	HERPUD2	Profile1
hsa-miR-103a-3p	HIC2	Profile1
hsa-miR-107	HIC2	Profile1
hsa-miR-549a	HIF1A	Profile1
hsa-miR-19a-3p	HIP1	Profile1
hsa-miR-103a-3p	HIPK2	Profile1
hsa-miR-107	HIPK2	Profile1
hsa-miR-19a-3p	HIPK3	Profile1
hsa-miR-103a-3p	HMGA1	Profile1
hsa-miR-107	HMGA1	Profile1
hsa-miR-93-3p	HMGA2	Profile1
hsa-miR-549a	HMGB1	Profile1
hsa-miR-103a-3p	HNRNPA2B1	Profile1
hsa-miR-107	HNRNPA2B1	Profile1
hsa-miR-203a-3p	HNRNPR	Profile1
hsa-miR-19a-3p	HNRNPU	Profile1
hsa-miR-19a-3p	HNRNPUL1	Profile1
hsa-miR-203a-3p	HOOK3	Profile1
hsa-miR-93-3p	HPCAL4	Profile1
hsa-miR-203a-3p	HRASLS5	Profile1
hsa-miR-203a-3p	HSPB8	Profile1
hsa-miR-93-3p	HSPC159	Profile1
hsa-miR-19a-3p	ICA1L	Profile1
hsa-miR-203a-3p	IDS	Profile1
hsa-miR-93-3p	IGF2BP1	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-3p	IGF2R	Profile1
hsa-miR-93-3p	IGSF3	Profile1
hsa-miR-103a-3p	IHH	Profile1
hsa-miR-107	IHH	Profile1
hsa-miR-93-3p	IKZF2	Profile1
hsa-miR-103a-3p	IKZF4	Profile1
hsa-miR-107	IKZF4	Profile1
hsa-miR-203a-3p	IL24	Profile1
hsa-miR-19a-3p	IL6ST	Profile1
hsa-miR-19a-3p	IMPDH1	Profile1
hsa-miR-93-3p	ING3	Profile1
hsa-miR-203a-3p	INO80D	Profile1
hsa-miR-203a-3p	INSIG1	Profile1
hsa-miR-19a-3p	IPMK	Profile1
hsa-miR-103a-3p	IRF2BP2	Profile1
hsa-miR-107	IRF2BP2	Profile1
hsa-miR-203a-3p	IRS2	Profile1
hsa-miR-103a-3p	IRS2	Profile1
hsa-miR-107	IRS2	Profile1
hsa-miR-19a-3p	ITGA11	Profile1
hsa-miR-19a-3p	IVNS1ABP	Profile1
hsa-miR-103a-3p	JAK1	Profile1
hsa-miR-107	JAK1	Profile1
hsa-miR-19a-3p	JARID2	Profile1
hsa-miR-19a-3p	JAZF1	Profile1
hsa-miR-203a-3p	JOSD1	Profile1
hsa-miR-103a-3p	JUB	Profile1
hsa-miR-107	JUB	Profile1
hsa-miR-19a-3p	KCNA4	Profile1
hsa-miR-103a-3p	KCNH1	Profile1
hsa-miR-107	KCNH1	Profile1
hsa-miR-19a-3p	KCNJ2	Profile1
hsa-miR-203a-3p	KIAA0247	Profile1
hsa-miR-549a	KIAA0430	Profile1
hsa-miR-103a-3p	KIAA1033	Profile1
hsa-miR-107	KIAA1033	Profile1
hsa-miR-19a-3p	KIAA1211	Profile1
hsa-miR-203a-3p	KIAA1429	Profile1
hsa-miR-549a	KIAA1486	Profile1
hsa-miR-19a-3p	KIAA1598	Profile1
hsa-miR-103a-3p	KIAA1804	Profile1
hsa-miR-107	KIAA1804	Profile1
hsa-miR-19a-3p	KIAA2013	Profile1
hsa-miR-103a-3p	KIAA2018	Profile1
hsa-miR-107	KIAA2018	Profile1
hsa-miR-103a-3p	KIF21A	Profile1
hsa-miR-103a-3p	KIF23	Profile1
hsa-miR-107	KIF23	Profile1
hsa-miR-19a-3p	KLF13	Profile1
hsa-miR-19a-3p	KLHDC5	Profile1
hsa-miR-19a-3p	KLHL28	Profile1
hsa-miR-549a	KPNA1	Profile1
hsa-miR-19a-3p	KPNA3	Profile1
hsa-miR-203a-3p	KRT85	Profile1
hsa-miR-103a-3p	KY	Profile1
hsa-miR-107	KY	Profile1
hsa-miR-19a-3p	L3MBTL3	Profile1
hsa-miR-203a-3p	LAMC1	Profile1
hsa-miR-549a	LANCL3	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-3p	LASP1	Profile1
hsa-miR-103a-3p	LCOR	Profile1
hsa-miR-107	LCOR	Profile1
hsa-miR-19a-3p	LIMCH1	Profile1
hsa-miR-203a-3p	LNK2	Profile1
hsa-miR-103a-3p	LONRF3	Profile1
hsa-miR-107	LONRF3	Profile1
hsa-miR-93-3p	LPIN3	Profile1
hsa-miR-203a-3p	LPO	Profile1
hsa-miR-103a-3p	LRP1B	Profile1
hsa-miR-107	LRP1B	Profile1
hsa-miR-103a-3p	LRP2	Profile1
hsa-miR-107	LRP2	Profile1
hsa-miR-19a-3p	LRRK2	Profile1
hsa-miR-103a-3p	LUZP1	Profile1
hsa-miR-107	LUZP1	Profile1
hsa-miR-19a-3p	LY75	Profile1
hsa-miR-19a-3p	MAP2K3	Profile1
hsa-miR-203a-3p	MAP3K13	Profile1
hsa-miR-103a-3p	MAP4	Profile1
hsa-miR-107	MAP4	Profile1
hsa-miR-19a-3p	MAP4K3	Profile1
hsa-miR-93-3p	MAP4K4	Profile1
hsa-miR-19a-3p	MAPK14	Profile1
hsa-miR-203a-3p	MAPK1IP1L	Profile1
hsa-miR-19a-3p	MAPK6	Profile1
hsa-miR-19a-3p	MAPKAP1	Profile1
hsa-miR-103a-3p	MAPKBP1	Profile1
hsa-miR-107	MAPKBP1	Profile1
hsa-miR-19a-3p	MBD4	Profile1
hsa-miR-549a	MBLAC2	Profile1
hsa-miR-103a-3p	MCFD2	Profile1
hsa-miR-107	MCFD2	Profile1
hsa-miR-93-3p	MCTP2	Profile1
hsa-miR-93-3p	MED22	Profile1
hsa-miR-103a-3p	MED26	Profile1
hsa-miR-107	MED26	Profile1
hsa-miR-93-3p	MED8	Profile1
hsa-miR-103a-3p	MEF2D	Profile1
hsa-miR-107	MEF2D	Profile1
hsa-miR-103a-3p	MFAP3	Profile1
hsa-miR-107	MFAP3	Profile1
hsa-miR-19a-3p	MFAP3L	Profile1
hsa-miR-103a-3p	MFN2	Profile1
hsa-miR-107	MFN2	Profile1
hsa-miR-19a-3p	MIB1	Profile1
hsa-miR-19a-3p	MID1IP1	Profile1
hsa-miR-93-3p	MID2	Profile1
hsa-miR-19a-3p	MIER1	Profile1
hsa-miR-93-3p	MIER3	Profile1
hsa-miR-203a-3p	MKL2	Profile1
hsa-miR-203a-3p	MLANA	Profile1
hsa-miR-549a	MMAB	Profile1
hsa-miR-103a-3p	MN1	Profile1
hsa-miR-107	MN1	Profile1
hsa-miR-549a	MOBKL2B	Profile1
hsa-miR-93-3p	MOCOS1	Profile1
hsa-miR-19a-3p	MPPED2	Profile1
hsa-miR-203a-3p	MSR1	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-103a-3p	MTF1	Profile1
hsa-miR-107	MTF1	Profile1
hsa-miR-93-3p	MTF1	Profile1
hsa-miR-19a-3p	MTMR12	Profile1
hsa-miR-103a-3p	MTMR3	Profile1
hsa-miR-107	MTMR3	Profile1
hsa-miR-103a-3p	MTMR4	Profile1
hsa-miR-107	MTMR4	Profile1
hsa-miR-203a-3p	MTX3	Profile1
hsa-miR-19a-3p	MXD1	Profile1
hsa-miR-103a-3p	MXD4	Profile1
hsa-miR-107	MXD4	Profile1
hsa-miR-103a-3p	MYB	Profile1
hsa-miR-107	MYB	Profile1
hsa-miR-103a-3p	MYBL1	Profile1
hsa-miR-107	MYBL1	Profile1
hsa-miR-103a-3p	MYH9	Profile1
hsa-miR-107	MYH9	Profile1
hsa-miR-549a	MYO5A	Profile1
hsa-miR-203a-3p	NAP1L4	Profile1
hsa-miR-103a-3p	NAV1	Profile1
hsa-miR-107	NAV1	Profile1
hsa-miR-19a-3p	NAV3	Profile1
hsa-miR-203a-3p	NBEA	Profile1
hsa-miR-203a-3p	NEDD9	Profile1
hsa-miR-103a-3p	NEDD9	Profile1
hsa-miR-107	NEDD9	Profile1
hsa-miR-93-3p	NEGR1	Profile1
hsa-miR-19a-3p	NEURL1B	Profile1
hsa-miR-103a-3p	NF1	Profile1
hsa-miR-107	NF1	Profile1
hsa-miR-19a-3p	NF1	Profile1
hsa-miR-93-3p	NFASC	Profile1
hsa-miR-103a-3p	NFIA	Profile1
hsa-miR-107	NFIA	Profile1
hsa-miR-203a-3p	NFIB	Profile1
hsa-miR-93-3p	NIT1	Profile1
hsa-miR-19a-3p	NME7	Profile1
hsa-miR-103a-3p	NOTCH2	Profile1
hsa-miR-107	NOTCH2	Profile1
hsa-miR-93-3p	NOTCH2NL	Profile1
hsa-miR-203a-3p	NOVA1	Profile1
hsa-miR-103a-3p	NOVA1	Profile1
hsa-miR-107	NOVA1	Profile1
hsa-miR-103a-3p	NPAS2	Profile1
hsa-miR-107	NPAS2	Profile1
hsa-miR-103a-3p	NPAS3	Profile1
hsa-miR-107	NPAS3	Profile1
hsa-miR-93-3p	NPHP3	Profile1
hsa-miR-203a-3p	NPR3	Profile1
hsa-miR-549a	NPY1R	Profile1
hsa-miR-103a-3p	NR1D2	Profile1
hsa-miR-107	NR1D2	Profile1
hsa-miR-103a-3p	NR2C2	Profile1
hsa-miR-107	NR2C2	Profile1
hsa-miR-203a-3p	NRBP2	Profile1
hsa-miR-103a-3p	NRP2	Profile1
hsa-miR-107	NRP2	Profile1
hsa-miR-93-3p	NSUN4	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-103a-3p	NTRK2	Profile1
hsa-miR-107	NTRK2	Profile1
hsa-miR-19a-3p	NTRK2	Profile1
hsa-miR-93-3p	NTRK2	Profile1
hsa-miR-203a-3p	NUAK1	Profile1
hsa-miR-19a-3p	NUDCD3	Profile1
hsa-miR-19a-3p	NUDT13	Profile1
hsa-miR-203a-3p	NUDT21	Profile1
hsa-miR-19a-3p	NUFIP2	Profile1
hsa-miR-103a-3p	NUP50	Profile1
hsa-miR-107	NUP50	Profile1
hsa-miR-93-3p	NXN	Profile1
hsa-miR-93-3p	OCIAD1	Profile1
hsa-miR-103a-3p	OGT	Profile1
hsa-miR-107	OGT	Profile1
hsa-miR-203a-3p	OLFM1	Profile1
hsa-miR-103a-3p	OLFM1	Profile1
hsa-miR-107	OLFM1	Profile1
hsa-miR-203a-3p	OSBPL1A	Profile1
hsa-miR-103a-3p	OTUD4	Profile1
hsa-miR-107	OTUD4	Profile1
hsa-miR-203a-3p	OVOL1	Profile1
hsa-miR-103a-3p	PACSIN1	Profile1
hsa-miR-107	PACSIN1	Profile1
hsa-miR-203a-3p	PADI2	Profile1
hsa-miR-103a-3p	PAG1	Profile1
hsa-miR-107	PAG1	Profile1
hsa-miR-203a-3p	PAPD5	Profile1
hsa-miR-203a-3p	PAQR3	Profile1
hsa-miR-93-3p	PARD6G	Profile1
hsa-miR-93-3p	PARP10	Profile1
hsa-miR-203a-3p	PARP16	Profile1
hsa-miR-203a-3p	PCBP2	Profile1
hsa-miR-549a	PCDH19	Profile1
hsa-miR-103a-3p	PCGF2	Profile1
hsa-miR-107	PCGF2	Profile1
hsa-miR-93-3p	PCGF3	Profile1
hsa-miR-203a-3p	PCLO	Profile1
hsa-miR-93-3p	PCLO	Profile1
hsa-miR-103a-3p	PDE3B	Profile1
hsa-miR-107	PDE3B	Profile1
hsa-miR-103a-3p	PDE8B	Profile1
hsa-miR-107	PDE8B	Profile1
hsa-miR-103a-3p	PDIK1L	Profile1
hsa-miR-107	PDIK1L	Profile1
hsa-miR-103a-3p	PDK4	Profile1
hsa-miR-107	PDK4	Profile1
hsa-miR-93-3p	PDPK1	Profile1
hsa-miR-203a-3p	PDPN	Profile1
hsa-miR-103a-3p	PELI2	Profile1
hsa-miR-107	PELI2	Profile1
hsa-miR-93-3p	PEX19	Profile1
hsa-miR-19a-3p	PGM2L1	Profile1
hsa-miR-203a-3p	PHC3	Profile1
hsa-miR-19a-3p	PHF13	Profile1
hsa-miR-103a-3p	PHF20	Profile1
hsa-miR-107	PHF20	Profile1
hsa-miR-93-3p	PHF6	Profile1
hsa-miR-203a-3p	PHLDA3	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-93-3p	PHLDB1	Profile1
hsa-miR-103a-3p	PI4KB	Profile1
hsa-miR-107	PI4KB	Profile1
hsa-miR-103a-3p	PIK3R1	Profile1
hsa-miR-107	PIK3R1	Profile1
hsa-miR-103a-3p	PITPNA	Profile1
hsa-miR-107	PITPNA	Profile1
hsa-miR-103a-3p	PLAG1	Profile1
hsa-miR-203a-3p	PLD1	Profile1
hsa-miR-103a-3p	PLEKHA1	Profile1
hsa-miR-107	PLEKHA1	Profile1
hsa-miR-93-3p	PLXNA2	Profile1
hsa-miR-93-3p	PLXNA4	Profile1
hsa-miR-19a-3p	PMEP A1	Profile1
hsa-miR-19a-3p	PPFIA2	Profile1
hsa-miR-549a	PPIE	Profile1
hsa-miR-103a-3p	PPM1E	Profile1
hsa-miR-107	PPM1E	Profile1
hsa-miR-549a	PPP1CB	Profile1
hsa-miR-93-3p	PPP1R16B	Profile1
hsa-miR-103a-3p	PPP2R5C	Profile1
hsa-miR-107	PPP2R5C	Profile1
hsa-miR-103a-3p	PPP6C	Profile1
hsa-miR-107	PPP6C	Profile1
hsa-miR-103a-3p	PPPDE2	Profile1
hsa-miR-107	PPPDE2	Profile1
hsa-miR-93-3p	PRDM10	Profile1
hsa-miR-549a	PRDM4	Profile1
hsa-miR-19a-3p	PRICKLE2	Profile1
hsa-miR-93-3p	PRICKLE2	Profile1
hsa-miR-19a-3p	PRKAA1	Profile1
hsa-miR-103a-3p	PRKAB2	Profile1
hsa-miR-107	PRKAB2	Profile1
hsa-miR-203a-3p	PRKCB	Profile1
hsa-miR-103a-3p	PRKCE	Profile1
hsa-miR-107	PRKCE	Profile1
hsa-miR-203a-3p	PRKCI	Profile1
hsa-miR-103a-3p	PRKG1	Profile1
hsa-miR-107	PRKG1	Profile1
hsa-miR-203a-3p	PRUNE2	Profile1
hsa-miR-549a	PSME3	Profile1
hsa-miR-19a-3p	PTEN	Profile1
hsa-miR-19a-3p	PTGES3	Profile1
hsa-miR-93-3p	PTP4A2	Profile1
hsa-miR-203a-3p	PTPN2	Profile1
hsa-miR-203a-3p	PTPN3	Profile1
hsa-miR-93-3p	PTPRT	Profile1
hsa-miR-103a-3p	PWWP2B	Profile1
hsa-miR-107	PWWP2B	Profile1
hsa-miR-203a-3p	PXDN	Profile1
hsa-miR-19a-3p	QKI	Profile1
hsa-miR-93-3p	QKI	Profile1
hsa-miR-103a-3p	RAB11FIP4	Profile1
hsa-miR-107	RAB11FIP4	Profile1
hsa-miR-19a-3p	RAB21	Profile1
hsa-miR-19a-3p	RAB2B	Profile1
hsa-miR-549a	RAB3A	Profile1
hsa-miR-103a-3p	RAB40B	Profile1
hsa-miR-107	RAB40B	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-549a	RAG1	Profile1
hsa-miR-103a-3p	RAI14	Profile1
hsa-miR-107	RAI14	Profile1
hsa-miR-19a-3p	RAP1A	Profile1
hsa-miR-203a-3p	RAP2A	Profile1
hsa-miR-103a-3p	RAP2C	Profile1
hsa-miR-107	RAP2C	Profile1
hsa-miR-203a-3p	RASAL2	Profile1
hsa-miR-103a-3p	RASSF5	Profile1
hsa-miR-107	RASSF5	Profile1
hsa-miR-103a-3p	RASSF8	Profile1
hsa-miR-107	RASSF8	Profile1
hsa-miR-103a-3p	RBAK	Profile1
hsa-miR-107	RBAK	Profile1
hsa-miR-103a-3p	RBM24	Profile1
hsa-miR-107	RBM24	Profile1
hsa-miR-203a-3p	RBM25	Profile1
hsa-miR-103a-3p	RC3H1	Profile1
hsa-miR-107	RC3H1	Profile1
hsa-miR-103a-3p	RCAN1	Profile1
hsa-miR-107	RCAN1	Profile1
hsa-miR-19a-3p	RDH12	Profile1
hsa-miR-93-3p	RECQL5	Profile1
hsa-miR-103a-3p	RFWD3	Profile1
hsa-miR-107	RFWD3	Profile1
hsa-miR-93-3p	RFWD3	Profile1
hsa-miR-19a-3p	RFX1	Profile1
hsa-miR-103a-3p	RGS4	Profile1
hsa-miR-107	RGS4	Profile1
hsa-miR-19a-3p	RHEBL1	Profile1
hsa-miR-103a-3p	RHOBTB2	Profile1
hsa-miR-107	RHOBTB2	Profile1
hsa-miR-93-3p	RHPN1	Profile1
hsa-miR-19a-3p	RICTOR	Profile1
hsa-miR-103a-3p	RIMS3	Profile1
hsa-miR-107	RIMS3	Profile1
hsa-miR-93-3p	RIMS3	Profile1
hsa-miR-19a-3p	RNF11	Profile1
hsa-miR-19a-3p	RNF111	Profile1
hsa-miR-103a-3p	RNF125	Profile1
hsa-miR-107	RNF125	Profile1
hsa-miR-103a-3p	RNF19A	Profile1
hsa-miR-107	RNF19A	Profile1
hsa-miR-103a-3p	RNF38	Profile1
hsa-miR-107	RNF38	Profile1
hsa-miR-103a-3p	RNMT	Profile1
hsa-miR-107	RNMT	Profile1
hsa-miR-19a-3p	ROBO2	Profile1
hsa-miR-103a-3p	RORA	Profile1
hsa-miR-107	RORA	Profile1
hsa-miR-19a-3p	RORA	Profile1
hsa-miR-203a-3p	RPAIN	Profile1
hsa-miR-203a-3p	RPGRIP1L	Profile1
hsa-miR-103a-3p	RPGRIP1L	Profile1
hsa-miR-107	RPGRIP1L	Profile1
hsa-miR-93-3p	RPRD1B	Profile1
hsa-miR-19a-3p	RPS6KA2	Profile1
hsa-miR-103a-3p	RPS6KA3	Profile1
hsa-miR-107	RPS6KA3	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-93-3p	RPS6KL1	Profile1
hsa-miR-103a-3p	RS1	Profile1
hsa-miR-107	RS1	Profile1
hsa-miR-203a-3p	RTKN2	Profile1
hsa-miR-93-3p	RUNX2	Profile1
hsa-miR-103a-3p	SALL1	Profile1
hsa-miR-107	SALL1	Profile1
hsa-miR-19a-3p	SAMD4A	Profile1
hsa-miR-203a-3p	SAMD5	Profile1
hsa-miR-103a-3p	SATB2	Profile1
hsa-miR-107	SATB2	Profile1
hsa-miR-103a-3p	SCAMP5	Profile1
hsa-miR-107	SCAMP5	Profile1
hsa-miR-103a-3p	SCN1A	Profile1
hsa-miR-107	SCN1A	Profile1
hsa-miR-19a-3p	SCN1B	Profile1
hsa-miR-19a-3p	SCN4B	Profile1
hsa-miR-93-3p	SCRN1	Profile1
hsa-miR-103a-3p	SEC22C	Profile1
hsa-miR-107	SEC22C	Profile1
hsa-miR-549a	SEC23IP	Profile1
hsa-miR-93-3p	SEC62	Profile1
hsa-miR-19a-3p	SEC63	Profile1
hsa-miR-203a-3p	SEL1L	Profile1
hsa-miR-19a-3p	SEMA4C	Profile1
hsa-miR-203a-3p	SEMA4G	Profile1
hsa-miR-203a-3p	SEMA5A	Profile1
hsa-miR-93-3p	SEN5	Profile1
hsa-miR-203a-3p	SEPN1	Profile1
hsa-miR-203a-3p	SETBP1	Profile1
hsa-miR-103a-3p	SETD1B	Profile1
hsa-miR-107	SETD1B	Profile1
hsa-miR-93-3p	SETD5	Profile1
hsa-miR-93-3p	SETD7	Profile1
hsa-miR-93-3p	SFMBT1	Profile1
hsa-miR-19a-3p	SGCD	Profile1
hsa-miR-203a-3p	SGMS2	Profile1
hsa-miR-103a-3p	SGMS2	Profile1
hsa-miR-107	SGMS2	Profile1
hsa-miR-93-3p	SGSM2	Profile1
hsa-miR-103a-3p	SH2D2A	Profile1
hsa-miR-107	SH2D2A	Profile1
hsa-miR-103a-3p	SH3GL2	Profile1
hsa-miR-107	SH3GL2	Profile1
hsa-miR-19a-3p	SH3KBP1	Profile1
hsa-miR-93-3p	SHANK2	Profile1
hsa-miR-549a	SI	Profile1
hsa-miR-103a-3p	SIX4	Profile1
hsa-miR-107	SIX4	Profile1
hsa-miR-549a	SKI	Profile1
hsa-miR-93-3p	SLC10A7	Profile1
hsa-miR-203a-3p	SLC12A2	Profile1
hsa-miR-103a-3p	SLC1A2	Profile1
hsa-miR-107	SLC1A2	Profile1
hsa-miR-103a-3p	SLC20A2	Profile1
hsa-miR-107	SLC20A2	Profile1
hsa-miR-203a-3p	SLC22A23	Profile1
hsa-miR-93-3p	SLC23A2	Profile1
hsa-miR-19a-3p	SLC25A34	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-3p	SLC25A36	Profile1
hsa-miR-19a-3p	SLC2A13	Profile1
hsa-miR-203a-3p	SLC2A3	Profile1
hsa-miR-203a-3p	SLC30A6	Profile1
hsa-miR-19a-3p	SLC30A7	Profile1
hsa-miR-103a-3p	SLC35B2	Profile1
hsa-miR-107	SLC35B2	Profile1
hsa-miR-93-3p	SLC37A3	Profile1
hsa-miR-203a-3p	SLC39A1	Profile1
hsa-miR-93-3p	SLC39A9	Profile1
hsa-miR-93-3p	SLC40A1	Profile1
hsa-miR-203a-3p	SLC5A12	Profile1
hsa-miR-19a-3p	SLC6A8	Profile1
hsa-miR-549a	SLC7A6	Profile1
hsa-miR-103a-3p	SLC8A2	Profile1
hsa-miR-107	SLC8A2	Profile1
hsa-miR-19a-3p	SLC9A6	Profile1
hsa-miR-103a-3p	SLC9A8	Profile1
hsa-miR-107	SLC9A8	Profile1
hsa-miR-103a-3p	SLN	Profile1
hsa-miR-107	SLN	Profile1
hsa-miR-19a-3p	SMAD4	Profile1
hsa-miR-203a-3p	SMAD9	Profile1
hsa-miR-103a-3p	SMEK2	Profile1
hsa-miR-107	SMEK2	Profile1
hsa-miR-19a-3p	SMOC2	Profile1
hsa-miR-93-3p	SNCA	Profile1
hsa-miR-103a-3p	SNRK	Profile1
hsa-miR-107	SNRK	Profile1
hsa-miR-203a-3p	SNRPD1	Profile1
hsa-miR-103a-3p	SNX13	Profile1
hsa-miR-107	SNX13	Profile1
hsa-miR-19a-3p	SNX18	Profile1
hsa-miR-93-3p	SNX4	Profile1
hsa-miR-19a-3p	SOCS5	Profile1
hsa-miR-203a-3p	SOCS6	Profile1
hsa-miR-203a-3p	SP4	Profile1
hsa-miR-103a-3p	SPAG9	Profile1
hsa-miR-107	SPAG9	Profile1
hsa-miR-203a-3p	SPATA13	Profile1
hsa-miR-203a-3p	SPEN	Profile1
hsa-miR-19a-3p	SPHK2	Profile1
hsa-miR-103a-3p	SPIN1	Profile1
hsa-miR-107	SPIN1	Profile1
hsa-miR-93-3p	SPINK5	Profile1
hsa-miR-19a-3p	SPOCK1	Profile1
hsa-miR-19a-3p	SPRYD3	Profile1
hsa-miR-103a-3p	SPSB4	Profile1
hsa-miR-107	SPSB4	Profile1
hsa-miR-103a-3p	SPTBN4	Profile1
hsa-miR-107	SPTBN4	Profile1
hsa-miR-203a-3p	SRC	Profile1
hsa-miR-103a-3p	SRGAP1	Profile1
hsa-miR-107	SRGAP1	Profile1
hsa-miR-103a-3p	SSH2	Profile1
hsa-miR-107	ST13	Profile1
hsa-miR-103a-3p	ST8SIA3	Profile1
hsa-miR-107	ST8SIA3	Profile1
hsa-miR-19a-3p	STAT2	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-93-3p	STAT3	Profile1
hsa-miR-93-3p	STAT5A	Profile1
hsa-miR-93-3p	STK4	Profile1
hsa-miR-93-3p	STK40	Profile1
hsa-miR-203a-3p	STX16	Profile1
hsa-miR-103a-3p	STYX	Profile1
hsa-miR-107	STYX	Profile1
hsa-miR-19a-3p	SUZ12	Profile1
hsa-miR-203a-3p	SYNJ1	Profile1
hsa-miR-19a-3p	SYT1	Profile1
hsa-miR-103a-3p	SYT6	Profile1
hsa-miR-107	SYT6	Profile1
hsa-miR-203a-3p	TAF9B	Profile1
hsa-miR-93-3p	TARDBP	Profile1
hsa-miR-103a-3p	TBL1XR1	Profile1
hsa-miR-107	TBL1XR1	Profile1
hsa-miR-93-3p	TCTA	Profile1
hsa-miR-103a-3p	TDG	Profile1
hsa-miR-107	TDG	Profile1
hsa-miR-103a-3p	TFCP2L1	Profile1
hsa-miR-107	TFCP2L1	Profile1
hsa-miR-549a	TFCP2L1	Profile1
hsa-miR-19a-3p	TFDP2	Profile1
hsa-miR-19a-3p	TFPI	Profile1
hsa-miR-103a-3p	TGFBR2	Profile1
hsa-miR-107	TGFBR2	Profile1
hsa-miR-103a-3p	TGFBR3	Profile1
hsa-miR-107	TGFBR3	Profile1
hsa-miR-19a-3p	TGIF1	Profile1
hsa-miR-103a-3p	TGM3	Profile1
hsa-miR-107	TGM3	Profile1
hsa-miR-103a-3p	THSD7A	Profile1
hsa-miR-107	THSD7A	Profile1
hsa-miR-103a-3p	TLK1	Profile1
hsa-miR-107	TLK1	Profile1
hsa-miR-19a-3p	TMBIM6	Profile1
hsa-miR-93-3p	TMED10	Profile1
hsa-miR-93-3p	TMEM136	Profile1
hsa-miR-19a-3p	TMEM167B	Profile1
hsa-miR-103a-3p	TMEM180	Profile1
hsa-miR-107	TMEM180	Profile1
hsa-miR-203a-3p	TMEM182	Profile1
hsa-miR-103a-3p	TMEM184B	Profile1
hsa-miR-107	TMEM184B	Profile1
hsa-miR-19a-3p	TMEM196	Profile1
hsa-miR-103a-3p	TMEM20	Profile1
hsa-miR-107	TMEM20	Profile1
hsa-miR-103a-3p	TMEM47	Profile1
hsa-miR-93-3p	TMEM63C	Profile1
hsa-miR-19a-3p	TNFAIP3	Profile1
hsa-miR-19a-3p	TNFRSF12A	Profile1
hsa-miR-203a-3p	TNFRSF8	Profile1
hsa-miR-19a-3p	TNIP1	Profile1
hsa-miR-203a-3p	TNPO1	Profile1
hsa-miR-103a-3p	TNPO1	Profile1
hsa-miR-107	TNPO1	Profile1
hsa-miR-103a-3p	TNRC6B	Profile1
hsa-miR-107	TNRC6B	Profile1
hsa-miR-19a-3p	TNRC6B	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-103a-3p	TNS3	Profile1
hsa-miR-107	TNS3	Profile1
hsa-miR-549a	TOP1	Profile1
hsa-miR-19a-3p	TOR1B	Profile1
hsa-miR-19a-3p	TP53INP1	Profile1
hsa-miR-103a-3p	TPD52	Profile1
hsa-miR-107	TPD52	Profile1
hsa-miR-203a-3p	TPM3	Profile1
hsa-miR-19a-3p	TRAK2	Profile1
hsa-miR-93-3p	TRDMT1	Profile1
hsa-miR-103a-3p	TRIM26	Profile1
hsa-miR-107	TRIM26	Profile1
hsa-miR-93-3p	TRIM33	Profile1
hsa-miR-19a-3p	TRPM6	Profile1
hsa-miR-93-3p	TRPS1	Profile1
hsa-miR-103a-3p	TSPAN5	Profile1
hsa-miR-107	TSPAN5	Profile1
hsa-miR-103a-3p	TSPAN9	Profile1
hsa-miR-107	TSPAN9	Profile1
hsa-miR-549a	TTC33	Profile1
hsa-miR-203a-3p	TTC39A	Profile1
hsa-miR-93-3p	TTLL4	Profile1
hsa-miR-19a-3p	TUB	Profile1
hsa-miR-19a-3p	TXK	Profile1
hsa-miR-93-3p	TXNIP	Profile1
hsa-miR-93-3p	TYSDN1	Profile1
hsa-miR-549a	UBAP2	Profile1
hsa-miR-19a-3p	UBAP2L	Profile1
hsa-miR-93-3p	UBE2D3	Profile1
hsa-miR-549a	UBE2F	Profile1
hsa-miR-103a-3p	UBE2J1	Profile1
hsa-miR-107	UBE2J1	Profile1
hsa-miR-103a-3p	UBE2Q1	Profile1
hsa-miR-107	UBE2Q1	Profile1
hsa-miR-103a-3p	UBE4A	Profile1
hsa-miR-107	UBE4A	Profile1
hsa-miR-19a-3p	UBFD1	Profile1
hsa-miR-103a-3p	UBL3	Profile1
hsa-miR-107	UBL3	Profile1
hsa-miR-549a	UBN2	Profile1
hsa-miR-203a-3p	UBP1	Profile1
hsa-miR-203a-3p	UBR1	Profile1
hsa-miR-103a-3p	UHMK1	Profile1
hsa-miR-107	UHMK1	Profile1
hsa-miR-103a-3p	UMOD	Profile1
hsa-miR-107	UMOD	Profile1
hsa-miR-103a-3p	UPF2	Profile1
hsa-miR-107	UPF2	Profile1
hsa-miR-103a-3p	UQCC	Profile1
hsa-miR-107	UQCC	Profile1
hsa-miR-93-3p	USP3	Profile1
hsa-miR-19a-3p	USP37	Profile1
hsa-miR-93-3p	USP37	Profile1
hsa-miR-93-3p	USP39	Profile1
hsa-miR-103a-3p	USP42	Profile1
hsa-miR-107	USP42	Profile1
hsa-miR-19a-3p	USP6	Profile1
hsa-miR-19a-3p	UTY	Profile1
hsa-miR-19a-3p	VAMP1	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-103a-3p	VAMP8	Profile1
hsa-miR-107	VAMP8	Profile1
hsa-miR-93-3p	VANGL1	Profile1
hsa-miR-203a-3p	VAPA	Profile1
hsa-miR-19a-3p	VAPA	Profile1
hsa-miR-203a-3p	VASH2	Profile1
hsa-miR-19a-3p	VAT1L	Profile1
hsa-miR-203a-3p	VAV3	Profile1
hsa-miR-103a-3p	VCAN	Profile1
hsa-miR-107	VCAN	Profile1
hsa-miR-103a-3p	VCP	Profile1
hsa-miR-107	VCP	Profile1
hsa-miR-203a-3p	VGLL4	Profile1
hsa-miR-19a-3p	VGLL4	Profile1
hsa-miR-93-3p	VPS26B	Profile1
hsa-miR-19a-3p	VPS37B	Profile1
hsa-miR-103a-3p	VPS4A	Profile1
hsa-miR-107	VPS4A	Profile1
hsa-miR-19a-3p	VPS53	Profile1
hsa-miR-203a-3p	VTI1A	Profile1
hsa-miR-93-3p	WFDC1	Profile1
hsa-miR-103a-3p	WHSC1	Profile1
hsa-miR-107	WHSC1	Profile1
hsa-miR-93-3p	WHSC1	Profile1
hsa-miR-19a-3p	WIPF3	Profile1
hsa-miR-19a-3p	WNT1	Profile1
hsa-miR-103a-3p	WNT16	Profile1
hsa-miR-107	WNT16	Profile1
hsa-miR-103a-3p	WNT3A	Profile1
hsa-miR-107	WNT3A	Profile1
hsa-miR-103a-3p	WNT4	Profile1
hsa-miR-107	WNT4	Profile1
hsa-miR-6723-5p	WTAP	Profile1
hsa-miR-203a-3p	WWC3	Profile1
hsa-miR-549a	XPR1	Profile1
hsa-miR-103a-3p	YTHDC1	Profile1
hsa-miR-107	YTHDC1	Profile1
hsa-miR-19a-3p	YTHDC1	Profile1
hsa-miR-103a-3p	YWHAH	Profile1
hsa-miR-107	YWHAH	Profile1
hsa-miR-203a-3p	ZAK	Profile1
hsa-miR-103a-3p	ZBTB10	Profile1
hsa-miR-107	ZBTB10	Profile1
hsa-miR-19a-3p	ZBTB11	Profile1
hsa-miR-19a-3p	ZBTB4	Profile1
hsa-miR-103a-3p	ZCCHC2	Profile1
hsa-miR-107	ZCCHC2	Profile1
hsa-miR-93-3p	ZCCHC24	Profile1
hsa-miR-203a-3p	ZDHHC15	Profile1
hsa-miR-93-3p	ZDHHC15	Profile1
hsa-miR-19a-3p	ZDHHC7	Profile1
hsa-miR-103a-3p	ZFPM2	Profile1
hsa-miR-107	ZFPM2	Profile1
hsa-miR-19a-3p	ZFPM2	Profile1
hsa-miR-103a-3p	ZHX3	Profile1
hsa-miR-107	ZHX3	Profile1
hsa-miR-19a-3p	ZHX3	Profile1
hsa-miR-203a-3p	ZMYM4	Profile1
hsa-miR-19a-3p	ZMYND11	Profile1

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-3p	ZNF148	Profile1
hsa-miR-549a	ZNF197	Profile1
hsa-miR-19a-3p	ZNF217	Profile1
hsa-miR-93-3p	ZNF238	Profile1
hsa-miR-203a-3p	ZNF281	Profile1
hsa-miR-93-3p	ZNF287	Profile1
hsa-miR-93-3p	ZNF395	Profile1
hsa-miR-103a-3p	ZNF449	Profile1
hsa-miR-107	ZNF449	Profile1
hsa-miR-19a-3p	ZNF469	Profile1
hsa-miR-203a-3p	ZNF652	Profile1
hsa-miR-549a	ZNF660	Profile1
hsa-miR-19a-3p	ZNF704	Profile1
hsa-miR-103a-3p	ZNF711	Profile1
hsa-miR-107	ZNF711	Profile1
hsa-miR-19a-3p	ZNF831	Profile1
hsa-miR-19a-3p	ZNF862	Profile1
hsa-miR-93-3p	ZNF862	Profile1
hsa-miR-103a-3p	ZNRF2	Profile1
hsa-miR-107	ZNRF2	Profile1
hsa-miR-19a-3p	ZPLD1	Profile1
hsa-miR-19a-3p	ZYG11B	Profile1
hsa-miR-103a-3p	ZYX	Profile1
hsa-miR-107	ZYX	Profile1
hsa-miR-34a-5p	MARCH5	Profile11
hsa-miR-34a-5p	MARCH8	Profile11
hsa-miR-34a-5p	SEPT3	Profile11
hsa-miR-320b	SEPT6	Profile11
hsa-miR-320c	SEPT6	Profile11
hsa-miR-320b	SEP15	Profile11
hsa-miR-320c	SEP15	Profile11
hsa-miR-203a-5p	AADACL3	Profile11
hsa-miR-203a-5p	AAK1	Profile11
hsa-miR-19b-1-5p	AAK1	Profile11
hsa-miR-19b-3p	AAK1	Profile11
hsa-miR-4780	AAK1	Profile11
hsa-miR-6854-5p	AAK1	Profile11
hsa-miR-203a-5p	AARS	Profile11
hsa-miR-19b-1-5p	ABCA1	Profile11
hsa-miR-29b-3p	ABCB6	Profile11
hsa-miR-203a-5p	ABCB9	Profile11
hsa-miR-34a-5p	ABCD1	Profile11
hsa-miR-203a-5p	ABCD4	Profile11
hsa-miR-203a-5p	ABCF2	Profile11
hsa-miR-320b	ABHD13	Profile11
hsa-miR-320c	ABHD13	Profile11
hsa-miR-508-3p	ABHD2	Profile11
hsa-miR-6854-5p	ABHD2	Profile11
hsa-miR-203a-5p	ABHD3	Profile11
hsa-miR-29b-3p	ABHD5	Profile11
hsa-miR-203a-5p	ABL1	Profile11
hsa-miR-339-5p	ABL2	Profile11
hsa-miR-34a-5p	ABR	Profile11
hsa-miR-320b	ACAP2	Profile11
hsa-miR-19b-3p	ACBD5	Profile11
hsa-miR-7641	ACCN2	Profile11
hsa-miR-6854-5p	ACER3	Profile11
hsa-miR-203a-5p	ACO1	Profile11
hsa-miR-203a-5p	ACOT13	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-5p	ACPL2	Profile11
hsa-miR-29b-3p	ACPL2	Profile11
hsa-miR-203a-5p	ACSF2	Profile11
hsa-miR-34a-5p	ACSL4	Profile11
hsa-miR-6854-5p	ACSL5	Profile11
hsa-miR-203a-5p	ACSS1	Profile11
hsa-miR-320b	ACTL6A	Profile11
hsa-miR-203a-5p	ACVR1C	Profile11
hsa-miR-320b	ACVR2B	Profile11
hsa-miR-320c	ACVR2B	Profile11
hsa-miR-34a-5p	ACVR2B	Profile11
hsa-miR-6854-5p	ACVR2B	Profile11
hsa-miR-221-3p	ADAM11	Profile11
hsa-miR-6854-5p	ADAM12	Profile11
hsa-miR-203a-5p	ADAM19	Profile11
hsa-miR-221-3p	ADAM22	Profile11
hsa-miR-203a-5p	ADAM9	Profile11
hsa-miR-29b-3p	ADAMTS17	Profile11
hsa-miR-29b-3p	ADAMTS18	Profile11
hsa-miR-203a-5p	ADAMTS5	Profile11
hsa-miR-29b-3p	ADAMTS6	Profile11
hsa-miR-29b-3p	ADAMTS7	Profile11
hsa-miR-19b-3p	ADAMTSL3	Profile11
hsa-miR-34a-5p	ADAMTSL4	Profile11
hsa-miR-6854-5p	ADAMTSL4	Profile11
hsa-miR-34a-5p	ADCY5	Profile11
hsa-miR-19b-3p	ADIPOR2	Profile11
hsa-miR-339-5p	ADORA2A	Profile11
hsa-miR-203a-5p	ADPRH	Profile11
hsa-miR-29b-3p	AFF4	Profile11
hsa-miR-34a-5p	AFF4	Profile11
hsa-miR-19b-3p	AFTPH	Profile11
hsa-miR-1268a	AGAP2	Profile11
hsa-miR-203a-5p	AGFG1	Profile11
hsa-miR-19b-1-5p	AGFG1	Profile11
hsa-miR-221-3p	AGFG1	Profile11
hsa-miR-320b	AGFG1	Profile11
hsa-miR-34a-5p	AGTRAP	Profile11
hsa-miR-203a-5p	AGXT2	Profile11
hsa-miR-203a-5p	AHCTF1	Profile11
hsa-miR-203a-5p	AHCYL1	Profile11
hsa-miR-203a-5p	AHCYL2	Profile11
hsa-miR-203a-5p	AIG1	Profile11
hsa-miR-320b	AK2	Profile11
hsa-miR-320c	AK2	Profile11
hsa-miR-34a-5p	AK3	Profile11
hsa-miR-221-3p	AKAP13	Profile11
hsa-miR-29b-3p	AKAP5	Profile11
hsa-miR-34a-5p	AKAP6	Profile11
hsa-miR-203a-5p	AKR1D1	Profile11
hsa-miR-34a-5p	ALCAM	Profile11
hsa-miR-6854-5p	ALDH1A2	Profile11
hsa-miR-203a-5p	ALDH1L2	Profile11
hsa-miR-203a-5p	ALG1	Profile11
hsa-miR-19b-3p	ALG2	Profile11
hsa-miR-320b	ALG9	Profile11
hsa-miR-320c	ALG9	Profile11
hsa-miR-491-5p	ALS2CL	Profile11
hsa-miR-491-5p	AMD1	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-29b-3p	AMFR	Profile11
hsa-miR-29b-3p	AMOT	Profile11
hsa-miR-6854-5p	AMOT	Profile11
hsa-miR-34a-5p	AMPD2	Profile11
hsa-miR-221-3p	ANGPTL2	Profile11
hsa-miR-34a-3p	ANK2	Profile11
hsa-miR-19b-1-5p	ANK3	Profile11
hsa-miR-34a-5p	ANK3	Profile11
hsa-miR-320b	ANKFY1	Profile11
hsa-miR-320c	ANKFY1	Profile11
hsa-miR-320b	ANKH	Profile11
hsa-miR-320c	ANKH	Profile11
hsa-miR-221-3p	ANKRD10	Profile11
hsa-miR-19b-1-5p	ANKRD12	Profile11
hsa-miR-320b	ANKRD13A	Profile11
hsa-miR-320c	ANKRD13A	Profile11
hsa-miR-29b-3p	ANKRD13B	Profile11
hsa-miR-29b-3p	ANKRD13C	Profile11
hsa-miR-203a-5p	ANKRD23	Profile11
hsa-miR-19b-3p	ANKRD34A	Profile11
hsa-miR-6854-5p	ANKRD34A	Profile11
hsa-miR-203a-5p	ANKRD45	Profile11
hsa-miR-29b-3p	ANKRD49	Profile11
hsa-miR-320b	ANKRD52	Profile11
hsa-miR-320c	ANKRD52	Profile11
hsa-miR-339-5p	ANKRD52	Profile11
hsa-miR-34a-5p	ANKRD52	Profile11
hsa-miR-203a-5p	ANKRD55	Profile11
hsa-miR-203a-5p	ANKS4B	Profile11
hsa-miR-19b-1-5p	ANO3	Profile11
hsa-miR-6854-5p	ANTXR1	Profile11
hsa-miR-19b-3p	ANXA7	Profile11
hsa-miR-29b-3p	AP3M1	Profile11
hsa-miR-320b	AP3M1	Profile11
hsa-miR-203a-5p	APAF1	Profile11
hsa-miR-339-5p	APBA1	Profile11
hsa-miR-6854-5p	APBB2	Profile11
hsa-miR-34a-5p	AREG	Profile11
hsa-miR-320b	ARF1	Profile11
hsa-miR-320c	ARF1	Profile11
hsa-miR-29b-3p	ARF5	Profile11
hsa-miR-29b-3p	ARFGEF2	Profile11
hsa-miR-34a-5p	ARHGAP26	Profile11
hsa-miR-203a-5p	ARHGEF12	Profile11
hsa-miR-34a-3p	ARHGEF12	Profile11
hsa-miR-203a-5p	ARHGEF15	Profile11
hsa-miR-6854-5p	ARHGEF15	Profile11
hsa-miR-203a-5p	ARHGEF4	Profile11
hsa-miR-6854-5p	ARHGEF7	Profile11
hsa-miR-221-3p	ARID1A	Profile11
hsa-miR-320b	ARID5B	Profile11
hsa-miR-320c	ARID5B	Profile11
hsa-miR-4780	ARID5B	Profile11
hsa-miR-203a-5p	ARIH1	Profile11
hsa-miR-203a-5p	ARL10	Profile11
hsa-miR-203a-5p	ARL2BP	Profile11
hsa-miR-320b	ARL8B	Profile11
hsa-miR-320c	ARL8B	Profile11
hsa-miR-29b-3p	ARMC8	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-6854-5p	ARMC8	Profile11
hsa-miR-19b-1-5p	ARPC5	Profile11
hsa-miR-320b	ARPC5	Profile11
hsa-miR-34a-5p	ARPP19	Profile11
hsa-miR-29b-3p	ARRDC3	Profile11
hsa-miR-29b-3p	ARSB	Profile11
hsa-miR-34a-5p	ARSJ	Profile11
hsa-miR-29b-3p	ARVCF	Profile11
hsa-miR-29b-3p	ASAP2	Profile11
hsa-miR-29b-3p	ASPH	Profile11
hsa-miR-34a-5p	ASPHD2	Profile11
hsa-miR-203a-5p	ASTN1	Profile11
hsa-miR-203a-5p	ATAD2	Profile11
hsa-miR-29b-3p	ATAD2B	Profile11
hsa-miR-34a-5p	ATF7	Profile11
hsa-miR-320b	ATF7IP2	Profile11
hsa-miR-320c	ATF7IP2	Profile11
hsa-miR-34a-3p	ATF7IP2	Profile11
hsa-miR-203a-5p	ATG10	Profile11
hsa-miR-34a-5p	ATG9A	Profile11
hsa-miR-508-3p	ATL2	Profile11
hsa-miR-19b-3p	ATP11A	Profile11
hsa-miR-320b	ATP2A3	Profile11
hsa-miR-320c	ATP2A3	Profile11
hsa-miR-19b-3p	ATP2B2	Profile11
hsa-miR-29b-3p	ATP2B4	Profile11
hsa-miR-203a-5p	ATP2C1	Profile11
hsa-miR-19b-3p	ATP2C1	Profile11
hsa-miR-29b-3p	ATP6V1A	Profile11
hsa-miR-203a-5p	ATP6V1C1	Profile11
hsa-miR-203a-5p	ATP6V1E2	Profile11
hsa-miR-203a-5p	ATP8A1	Profile11
hsa-miR-203a-5p	ATPAF1	Profile11
hsa-miR-320b	ATRX	Profile11
hsa-miR-320c	ATRX	Profile11
hsa-miR-203a-5p	ATXN1	Profile11
hsa-miR-19b-3p	ATXN1	Profile11
hsa-miR-221-3p	ATXN1	Profile11
hsa-miR-29b-3p	ATXN1	Profile11
hsa-miR-34a-5p	ATXN7	Profile11
hsa-miR-4780	ATXN7	Profile11
hsa-miR-34a-5p	ATXN7L3	Profile11
hsa-miR-491-5p	ATXN7L3	Profile11
hsa-miR-34a-5p	AXL	Profile11
hsa-miR-508-3p	AZI2	Profile11
hsa-miR-203a-5p	B3GALT2	Profile11
hsa-miR-34a-5p	B4GALT2	Profile11
hsa-miR-4780	BAALC	Profile11
hsa-miR-29b-3p	BACH2	Profile11
hsa-miR-339-5p	BACH2	Profile11
hsa-miR-29b-3p	BAHD1	Profile11
hsa-miR-6854-5p	BAHD1	Profile11
hsa-miR-320b	BCAP29	Profile11
hsa-miR-320c	BCAP29	Profile11
hsa-miR-203a-5p	BCAT1	Profile11
hsa-miR-19b-3p	BCAT1	Profile11
hsa-miR-29b-3p	BCL11A	Profile11
hsa-miR-19b-1-5p	BCL11B	Profile11
hsa-miR-221-3p	BCL11B	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-34a-5p	BCL11B	Profile11
hsa-miR-221-3p	BCL2L11	Profile11
hsa-miR-19b-3p	BCL3	Profile11
hsa-miR-19b-3p	BCL7A	Profile11
hsa-miR-29b-3p	BCL9L	Profile11
hsa-miR-34a-5p	BCL9L	Profile11
hsa-miR-200a-5p	BCLAF1	Profile11
hsa-miR-29b-3p	BDH1	Profile11
hsa-miR-203a-5p	BEND3	Profile11
hsa-miR-203a-5p	BEND4	Profile11
hsa-miR-19b-3p	BEND4	Profile11
hsa-miR-203a-5p	BID	Profile11
hsa-miR-203a-5p	BIRC6	Profile11
hsa-miR-339-5p	BLCAP	Profile11
hsa-miR-29b-3p	BLMH	Profile11
hsa-miR-203a-5p	BLOC1S2	Profile11
hsa-miR-221-3p	BMF	Profile11
hsa-miR-29b-3p	BMF	Profile11
hsa-miR-320b	BMP3	Profile11
hsa-miR-320c	BMP3	Profile11
hsa-miR-34a-5p	BMP8B	Profile11
hsa-miR-320b	BMPR1A	Profile11
hsa-miR-320c	BMPR1A	Profile11
hsa-miR-19b-3p	BMPR2	Profile11
hsa-miR-19b-3p	BNC2	Profile11
hsa-miR-203a-5p	BRD1	Profile11
hsa-miR-203a-5p	BRD3	Profile11
hsa-miR-203a-5p	BRIP1	Profile11
hsa-miR-221-3p	BRP44	Profile11
hsa-miR-34a-5p	BRPF3	Profile11
hsa-miR-29b-3p	BRWD3	Profile11
hsa-miR-19b-3p	BSN	Profile11
hsa-miR-34a-5p	BTBD11	Profile11
hsa-miR-29b-3p	BTBD7	Profile11
hsa-miR-19b-3p	BTF3L4	Profile11
hsa-miR-19b-3p	BTG1	Profile11
hsa-miR-203a-5p	BTG2	Profile11
hsa-miR-29b-3p	BTG2	Profile11
hsa-miR-34a-3p	BTRC	Profile11
hsa-miR-320b	BVES	Profile11
hsa-miR-320c	BVES	Profile11
hsa-miR-203a-5p	C1QTNF6	Profile11
hsa-miR-203a-5p	C1RL	Profile11
hsa-miR-491-5p	C2CD2L	Profile11
hsa-miR-203a-5p	CABYR	Profile11
hsa-miR-203a-5p	CACNA1C	Profile11
hsa-miR-19b-3p	CACNA1C	Profile11
hsa-miR-320b	CACNA1C	Profile11
hsa-miR-320c	CACNA1C	Profile11
hsa-miR-203a-5p	CACNA1E	Profile11
hsa-miR-320b	CACNA1E	Profile11
hsa-miR-320c	CACNA1E	Profile11
hsa-miR-34a-5p	CACNA1E	Profile11
hsa-miR-203a-5p	CACNA1S	Profile11
hsa-miR-34a-5p	CACNA2D2	Profile11
hsa-miR-34a-5p	CACNB1	Profile11
hsa-miR-34a-5p	CACNB3	Profile11
hsa-miR-29b-3p	CACNG4	Profile11
hsa-miR-339-5p	CADM3	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-19b-1-5p	CALM2	Profile11
hsa-miR-320b	CALM3	Profile11
hsa-miR-320c	CALM3	Profile11
hsa-miR-320b	CALN1	Profile11
hsa-miR-320c	CALN1	Profile11
hsa-miR-29b-3p	CALU	Profile11
hsa-miR-29b-3p	CAMK1D	Profile11
hsa-miR-4780	CAMK2B	Profile11
hsa-miR-203a-5p	CAMK2N1	Profile11
hsa-miR-203a-5p	CAMKK2	Profile11
hsa-miR-6854-5p	CAMLG	Profile11
hsa-miR-19b-3p	CAMSAP1L1	Profile11
hsa-miR-29b-3p	CAMSAP1L1	Profile11
hsa-miR-19b-3p	CAMTA1	Profile11
hsa-miR-320b	CAMTA1	Profile11
hsa-miR-320b	CANX	Profile11
hsa-miR-320c	CANX	Profile11
hsa-miR-29b-3p	CAPRIN1	Profile11
hsa-miR-19b-3p	CARD10	Profile11
hsa-miR-203a-5p	CASK	Profile11
hsa-miR-19b-3p	CASK	Profile11
hsa-miR-339-5p	CASK	Profile11
hsa-miR-508-3p	CASP3	Profile11
hsa-miR-29b-3p	CASP7	Profile11
hsa-miR-29b-3p	CASZ1	Profile11
hsa-miR-6854-5p	CAV1	Profile11
hsa-miR-19b-3p	CBFB	Profile11
hsa-miR-6854-5p	CBL	Profile11
hsa-miR-320b	CBLL1	Profile11
hsa-miR-320c	CBLL1	Profile11
hsa-miR-320b	CBLN1	Profile11
hsa-miR-320c	CBLN1	Profile11
hsa-miR-203a-5p	CBLN2	Profile11
hsa-miR-203a-5p	CBX5	Profile11
hsa-miR-29b-3p	CBX5	Profile11
hsa-miR-6854-5p	CBX5	Profile11
hsa-miR-7641	CBX5	Profile11
hsa-miR-203a-5p	CCDC113	Profile11
hsa-miR-4780	CCDC117	Profile11
hsa-miR-19b-3p	CCDC126	Profile11
hsa-miR-29b-3p	CCDC50	Profile11
hsa-miR-34a-3p	CCDC67	Profile11
hsa-miR-19b-3p	CCDC88A	Profile11
hsa-miR-339-5p	CCDC88B	Profile11
hsa-miR-29b-3p	CCND2	Profile11
hsa-miR-320b	CCND2	Profile11
hsa-miR-320c	CCND2	Profile11
hsa-miR-34a-5p	CCNE2	Profile11
hsa-miR-203a-5p	CCNF	Profile11
hsa-miR-29b-3p	CCNJ	Profile11
hsa-miR-200a-5p	CCNJL	Profile11
hsa-miR-34a-5p	CCNJL	Profile11
hsa-miR-203a-5p	CCNK	Profile11
hsa-miR-19b-3p	CCNT2	Profile11
hsa-miR-29b-3p	CCNT2	Profile11
hsa-miR-29b-3p	CCNYL1	Profile11
hsa-miR-203a-5p	CD1D	Profile11
hsa-miR-203a-5p	CD300LB	Profile11
hsa-miR-6854-5p	CD36	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-221-3p	CD4	Profile11
hsa-miR-6854-5p	CD4	Profile11
hsa-miR-320b	CD59	Profile11
hsa-miR-203a-5p	CD8A	Profile11
hsa-miR-203a-5p	CD96	Profile11
hsa-miR-6854-5p	CDC23	Profile11
hsa-miR-19b-1-5p	CDC42EP4	Profile11
hsa-miR-29b-3p	CDC7	Profile11
hsa-miR-6854-5p	CDH11	Profile11
hsa-miR-320b	CDH2	Profile11
hsa-miR-320c	CDH2	Profile11
hsa-miR-320b	CDH20	Profile11
hsa-miR-320c	CDH20	Profile11
hsa-miR-203a-5p	CDH5	Profile11
hsa-miR-29b-3p	CDK6	Profile11
hsa-miR-320b	CDK6	Profile11
hsa-miR-6854-5p	CDK6	Profile11
hsa-miR-203a-5p	CDKL2	Profile11
hsa-miR-34a-5p	CDKN1C	Profile11
hsa-miR-203a-5p	CDON	Profile11
hsa-miR-203a-5p	CEACAM16	Profile11
hsa-miR-203a-5p	CEBPG	Profile11
hsa-miR-320b	CECR6	Profile11
hsa-miR-320c	CECR6	Profile11
hsa-miR-508-3p	CENPP	Profile11
hsa-miR-19b-3p	CEP350	Profile11
hsa-miR-203a-5p	CEP68	Profile11
hsa-miR-29b-3p	CEP68	Profile11
hsa-miR-320b	CEP68	Profile11
hsa-miR-320c	CEP68	Profile11
hsa-miR-203a-5p	CEP97	Profile11
hsa-miR-7641	CFL2	Profile11
hsa-miR-19b-1-5p	CHCHD1	Profile11
hsa-miR-203a-5p	CHCHD7	Profile11
hsa-miR-320b	CHGA	Profile11
hsa-miR-320c	CHGA	Profile11
hsa-miR-203a-5p	CHIC1	Profile11
hsa-miR-320b	CHIC1	Profile11
hsa-miR-320c	CHIC1	Profile11
hsa-miR-6854-5p	CHMP4A	Profile11
hsa-miR-203a-5p	CHRNA2	Profile11
hsa-miR-320b	CHTF8	Profile11
hsa-miR-320c	CHTF8	Profile11
hsa-miR-491-5p	CIDEC	Profile11
hsa-miR-6854-5p	CLASP2	Profile11
hsa-miR-320b	CLCN5	Profile11
hsa-miR-320c	CLCN5	Profile11
hsa-miR-203a-5p	CLCN6	Profile11
hsa-miR-29b-3p	CLDN1	Profile11
hsa-miR-19b-1-5p	CLDN11	Profile11
hsa-miR-203a-5p	CLIP2	Profile11
hsa-miR-203a-5p	CLMN	Profile11
hsa-miR-19b-3p	CLOCK	Profile11
hsa-miR-339-5p	CLPB	Profile11
hsa-miR-203a-5p	CLTC	Profile11
hsa-miR-4780	CLUAP1	Profile11
hsa-miR-203a-5p	CMC1	Profile11
hsa-miR-1268a	CMIP	Profile11
hsa-miR-320b	CMTM4	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-320c	CMTM4	Profile11
hsa-miR-19b-3p	CNGA3	Profile11
hsa-miR-19b-1-5p	CNNM4	Profile11
hsa-miR-339-5p	CNNM4	Profile11
hsa-miR-19b-3p	CNOT4	Profile11
hsa-miR-320b	CNOT4	Profile11
hsa-miR-320c	CNOT4	Profile11
hsa-miR-34a-3p	CNOT4	Profile11
hsa-miR-34a-5p	CNOT4	Profile11
hsa-miR-19b-3p	CNOT6	Profile11
hsa-miR-339-5p	CNOT6	Profile11
hsa-miR-203a-5p	CNOT6L	Profile11
hsa-miR-320b	CNOT6L	Profile11
hsa-miR-320c	CNOT6L	Profile11
hsa-miR-34a-5p	CNOT6L	Profile11
hsa-miR-320b	CNOT7	Profile11
hsa-miR-320c	CNOT7	Profile11
hsa-miR-29b-3p	CNOT8	Profile11
hsa-miR-6854-5p	CNOT8	Profile11
hsa-miR-203a-5p	CNTD2	Profile11
hsa-miR-203a-5p	CNTN2	Profile11
hsa-miR-34a-5p	CNTN2	Profile11
hsa-miR-203a-5p	COG3	Profile11
hsa-miR-203a-5p	COG5	Profile11
hsa-miR-29b-3p	COL16A1	Profile11
hsa-miR-203a-5p	COL19A1	Profile11
hsa-miR-29b-3p	COL19A1	Profile11
hsa-miR-29b-3p	COL1A1	Profile11
hsa-miR-203a-5p	COL20A1	Profile11
hsa-miR-29b-3p	COL21A1	Profile11
hsa-miR-29b-3p	COL2A1	Profile11
hsa-miR-29b-3p	COL3A1	Profile11
hsa-miR-29b-3p	COL4A1	Profile11
hsa-miR-29b-3p	COL4A4	Profile11
hsa-miR-29b-3p	COL4A6	Profile11
hsa-miR-29b-3p	COL5A1	Profile11
hsa-miR-29b-3p	COL5A3	Profile11
hsa-miR-29b-3p	COL6A3	Profile11
hsa-miR-29b-3p	COL6A6	Profile11
hsa-miR-29b-3p	COL7A1	Profile11
hsa-miR-203a-5p	COL9A1	Profile11
hsa-miR-29b-3p	COMMD2	Profile11
hsa-miR-34a-5p	COPS7B	Profile11
hsa-miR-34a-5p	CORO1C	Profile11
hsa-miR-508-3p	CORO1C	Profile11
hsa-miR-6854-5p	CORO1C	Profile11
hsa-miR-29b-3p	CORO6	Profile11
hsa-miR-320b	CPD	Profile11
hsa-miR-320c	CPD	Profile11
hsa-miR-320b	CPEB1	Profile11
hsa-miR-19b-3p	CPEB3	Profile11
hsa-miR-221-3p	CPEB3	Profile11
hsa-miR-203a-5p	CPEB4	Profile11
hsa-miR-19b-3p	CPEB4	Profile11
hsa-miR-34a-5p	CPLX2	Profile11
hsa-miR-29b-3p	CPS1	Profile11
hsa-miR-29b-3p	CPSF7	Profile11
hsa-miR-19b-3p	CR2	Profile11
hsa-miR-203a-5p	CRB1	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-34a-5p	CREB3L1	Profile11
hsa-miR-491-5p	CREB3L2	Profile11
hsa-miR-320b	CREB5	Profile11
hsa-miR-320c	CREB5	Profile11
hsa-miR-34a-5p	CREB5	Profile11
hsa-miR-34a-5p	CRHR1	Profile11
hsa-miR-203a-5p	CRKL	Profile11
hsa-miR-221-3p	CRKL	Profile11
hsa-miR-320b	CRKL	Profile11
hsa-miR-320c	CRKL	Profile11
hsa-miR-6854-5p	CRKL	Profile11
hsa-miR-203a-5p	CRTAP	Profile11
hsa-miR-200a-5p	CRTAP	Profile11
hsa-miR-34a-5p	CRTC1	Profile11
hsa-miR-6854-5p	CRTC1	Profile11
hsa-miR-4780	CRTC2	Profile11
hsa-miR-203a-5p	CRTC3	Profile11
hsa-miR-6854-5p	CRTC3	Profile11
hsa-miR-29b-3p	CSDA	Profile11
hsa-miR-203a-5p	CSGALNACT2	Profile11
hsa-miR-491-5p	CSMD2	Profile11
hsa-miR-34a-5p	CSNK1G1	Profile11
hsa-miR-29b-3p	CSPG4	Profile11
hsa-miR-19b-3p	CSPP1	Profile11
hsa-miR-6854-5p	CSRNP1	Profile11
hsa-miR-19b-1-5p	CSRNP2	Profile11
hsa-miR-320b	CSRNP2	Profile11
hsa-miR-320c	CSRNP2	Profile11
hsa-miR-491-5p	CSRNP2	Profile11
hsa-miR-34a-3p	CSRP1	Profile11
hsa-miR-221-3p	CTCF	Profile11
hsa-miR-29b-3p	CTDSP2	Profile11
hsa-miR-34a-5p	CTDSP2	Profile11
hsa-miR-203a-5p	CTDSPL2	Profile11
hsa-miR-508-3p	CTDSPL2	Profile11
hsa-miR-320b	CTPS	Profile11
hsa-miR-34a-3p	CTTNBP2NL	Profile11
hsa-miR-29b-3p	CUEDC1	Profile11
hsa-miR-34a-5p	CUEDC1	Profile11
hsa-miR-19b-3p	CUX1	Profile11
hsa-miR-34a-5p	CUX1	Profile11
hsa-miR-4780	CUX1	Profile11
hsa-miR-221-3p	CXADR	Profile11
hsa-miR-6854-5p	CXADR	Profile11
hsa-miR-221-3p	CXCL12	Profile11
hsa-miR-19b-3p	CYB561D1	Profile11
hsa-miR-339-5p	CYB561D1	Profile11
hsa-miR-203a-5p	CYB5D1	Profile11
hsa-miR-203a-5p	CYBB	Profile11
hsa-miR-29b-3p	CYCS	Profile11
hsa-miR-6854-5p	CYP1A1	Profile11
hsa-miR-203a-5p	CYP27B1	Profile11
hsa-miR-203a-5p	CYP2U1	Profile11
hsa-miR-221-3p	CYP7A1	Profile11
hsa-miR-34a-5p	CYTH4	Profile11
hsa-miR-203a-5p	CYYR1	Profile11
hsa-miR-29b-3p	DAAM2	Profile11
hsa-miR-339-5p	DAAM2	Profile11
hsa-miR-34a-5p	DAB2IP	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-5p	DACH1	Profile11
hsa-miR-203a-5p	DAZAP1	Profile11
hsa-miR-34a-5p	DBC1	Profile11
hsa-miR-19b-3p	DBT	Profile11
hsa-miR-29b-3p	DBT	Profile11
hsa-miR-19b-1-5p	DCLK1	Profile11
hsa-miR-29b-3p	DCLK1	Profile11
hsa-miR-7641	DCLK1	Profile11
hsa-miR-29b-3p	DCLK3	Profile11
hsa-miR-34a-5p	DCP1A	Profile11
hsa-miR-203a-5p	DCUN1D3	Profile11
hsa-miR-221-3p	DCX	Profile11
hsa-miR-34a-5p	DCX	Profile11
hsa-miR-34a-5p	DDX17	Profile11
hsa-miR-29b-3p	DDX3X	Profile11
hsa-miR-29b-3p	DDX46	Profile11
hsa-miR-203a-5p	DDX51	Profile11
hsa-miR-203a-5p	DDX52	Profile11
hsa-miR-19b-3p	DENND1A	Profile11
hsa-miR-203a-5p	DFFB	Profile11
hsa-miR-29b-3p	DGKD	Profile11
hsa-miR-19b-3p	DGKG	Profile11
hsa-miR-34a-5p	DHRS13	Profile11
hsa-miR-29b-3p	DIO2	Profile11
hsa-miR-29b-3p	DIP2C	Profile11
hsa-miR-4780	DIP2C	Profile11
hsa-miR-203a-5p	DISC1	Profile11
hsa-miR-320b	DIXDC1	Profile11
hsa-miR-320c	DIXDC1	Profile11
hsa-miR-34a-5p	DIXDC1	Profile11
hsa-miR-200a-5p	DLC1	Profile11
hsa-miR-339-5p	DLG3	Profile11
hsa-miR-29b-3p	DLGAP2	Profile11
hsa-miR-34a-5p	DLL1	Profile11
hsa-miR-320b	DLX1	Profile11
hsa-miR-320c	DLX1	Profile11
hsa-miR-19b-3p	DLX3	Profile11
hsa-miR-221-3p	DMRT3	Profile11
hsa-miR-6854-5p	DMXL2	Profile11
hsa-miR-34a-3p	DNAH5	Profile11
hsa-miR-19b-3p	DNAJA2	Profile11
hsa-miR-29b-3p	DNAJB11	Profile11
hsa-miR-491-5p	DNAJB5	Profile11
hsa-miR-34a-5p	DNAJC24	Profile11
hsa-miR-203a-5p	DNAJC5	Profile11
hsa-miR-320b	DNER	Profile11
hsa-miR-320c	DNER	Profile11
hsa-miR-29b-3p	DNMT3A	Profile11
hsa-miR-29b-3p	DNMT3B	Profile11
hsa-miR-6854-5p	DNPEP	Profile11
hsa-miR-203a-5p	DOCK3	Profile11
hsa-miR-34a-5p	DOCK3	Profile11
hsa-miR-4780	DOK1	Profile11
hsa-miR-203a-5p	DOK2	Profile11
hsa-miR-29b-3p	DOT1L	Profile11
hsa-miR-203a-5p	DPH2	Profile11
hsa-miR-203a-5p	DPY19L1	Profile11
hsa-miR-34a-5p	DPYSL4	Profile11
hsa-miR-19b-3p	DPYSL5	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-29b-3p	DSC2	Profile11
hsa-miR-19b-3p	DSEL	Profile11
hsa-miR-203a-5p	DST	Profile11
hsa-miR-203a-5p	DTNA	Profile11
hsa-miR-19b-3p	DTNA	Profile11
hsa-miR-29b-3p	DTWD2	Profile11
hsa-miR-6854-5p	DUOX2	Profile11
hsa-miR-34a-3p	DUSP1	Profile11
hsa-miR-320b	DUSP16	Profile11
hsa-miR-320c	DUSP16	Profile11
hsa-miR-508-3p	DUSP16	Profile11
hsa-miR-19b-1-5p	DUSP19	Profile11
hsa-miR-221-3p	DUSP19	Profile11
hsa-miR-29b-3p	DUSP2	Profile11
hsa-miR-203a-5p	DYNC2LI1	Profile11
hsa-miR-203a-5p	DZIP1	Profile11
hsa-miR-320b	E2F3	Profile11
hsa-miR-320c	E2F3	Profile11
hsa-miR-34a-5p	E2F3	Profile11
hsa-miR-203a-5p	EDC3	Profile11
hsa-miR-19b-3p	EDNRB	Profile11
hsa-miR-6854-5p	EED	Profile11
hsa-miR-34a-5p	EEF2K	Profile11
hsa-miR-203a-5p	EFNA5	Profile11
hsa-miR-29b-3p	EFNA5	Profile11
hsa-miR-34a-5p	EFNB1	Profile11
hsa-miR-320b	EFS	Profile11
hsa-miR-320c	EFS	Profile11
hsa-miR-320b	EGR3	Profile11
hsa-miR-320c	EGR3	Profile11
hsa-miR-19b-3p	EHBP1	Profile11
hsa-miR-491-5p	EHD2	Profile11
hsa-miR-203a-5p	EHD4	Profile11
hsa-miR-34a-5p	EHD4	Profile11
hsa-miR-203a-5p	EHF	Profile11
hsa-miR-29b-3p	EIF2S1	Profile11
hsa-miR-221-3p	EIF2S3	Profile11
hsa-miR-221-3p	EIF3J	Profile11
hsa-miR-508-3p	EIF3J	Profile11
hsa-miR-29b-3p	EIF4E2	Profile11
hsa-miR-34a-3p	EIF4E3	Profile11
hsa-miR-200a-5p	EIF4ENIF1	Profile11
hsa-miR-221-3p	EIF5A2	Profile11
hsa-miR-6854-5p	ELAVL2	Profile11
hsa-miR-29b-3p	ELF2	Profile11
hsa-miR-29b-3p	ELL2	Profile11
hsa-miR-34a-5p	ELL2	Profile11
hsa-miR-508-3p	ELL2	Profile11
hsa-miR-34a-5p	ELMOD1	Profile11
hsa-miR-29b-3p	ELN	Profile11
hsa-miR-491-5p	ELN	Profile11
hsa-miR-339-5p	ELOVL2	Profile11
hsa-miR-19b-3p	ELOVL5	Profile11
hsa-miR-203a-5p	EML1	Profile11
hsa-miR-29b-3p	EML5	Profile11
hsa-miR-34a-5p	EML5	Profile11
hsa-miR-221-3p	EML6	Profile11
hsa-miR-29b-3p	EML6	Profile11
hsa-miR-7641	EMP2	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-320b	ENAH	Profile11
hsa-miR-320c	ENAH	Profile11
hsa-miR-6854-5p	ENAH	Profile11
hsa-miR-7641	ENAH	Profile11
hsa-miR-203a-5p	ENC1	Profile11
hsa-miR-203a-5p	ENOX2	Profile11
hsa-miR-19b-3p	ENPP5	Profile11
hsa-miR-6854-5p	ENSA	Profile11
hsa-miR-203a-5p	ENY2	Profile11
hsa-miR-320b	ENY2	Profile11
hsa-miR-320c	ENY2	Profile11
hsa-miR-6854-5p	EPAS1	Profile11
hsa-miR-221-3p	EPB41L1	Profile11
hsa-miR-203a-5p	EPB41L4A	Profile11
hsa-miR-29b-3p	EPHA10	Profile11
hsa-miR-200a-5p	EPHA5	Profile11
hsa-miR-320b	EPN2	Profile11
hsa-miR-34a-5p	EPN2	Profile11
hsa-miR-29b-3p	EPS15	Profile11
hsa-miR-203a-5p	EPS8	Profile11
hsa-miR-203a-5p	ERBB2IP	Profile11
hsa-miR-203a-5p	ERBB4	Profile11
hsa-miR-34a-5p	ERC1	Profile11
hsa-miR-320b	EREG	Profile11
hsa-miR-339-5p	ERI3	Profile11
hsa-miR-34a-5p	ERLIN1	Profile11
hsa-miR-320b	ESRRG	Profile11
hsa-miR-320c	ESRRG	Profile11
hsa-miR-7641	ETNK1	Profile11
hsa-miR-203a-5p	ETS2	Profile11
hsa-miR-221-3p	ETS2	Profile11
hsa-miR-7641	ETS2	Profile11
hsa-miR-320b	ETV1	Profile11
hsa-miR-320c	ETV1	Profile11
hsa-miR-19b-3p	EVI5	Profile11
hsa-miR-34a-5p	EVI5L	Profile11
hsa-miR-203a-5p	EXD2	Profile11
hsa-miR-320b	EXO1	Profile11
hsa-miR-320c	EXO1	Profile11
hsa-miR-203a-5p	EYA3	Profile11
hsa-miR-320b	EYA3	Profile11
hsa-miR-203a-5p	F5	Profile11
hsa-miR-203a-5p	F9	Profile11
hsa-miR-203a-5p	FADS1	Profile11
hsa-miR-491-5p	FADS2	Profile11
hsa-miR-19b-3p	FAM102A	Profile11
hsa-miR-203a-5p	FAM102B	Profile11
hsa-miR-203a-5p	FAM105B	Profile11
hsa-miR-29b-3p	FAM105B	Profile11
hsa-miR-34a-5p	FAM107A	Profile11
hsa-miR-29b-3p	FAM116A	Profile11
hsa-miR-19b-1-5p	FAM120A	Profile11
hsa-miR-320b	FAM120C	Profile11
hsa-miR-320c	FAM120C	Profile11
hsa-miR-34a-5p	FAM123B	Profile11
hsa-miR-6854-5p	FAM123C	Profile11
hsa-miR-203a-5p	FAM124A	Profile11
hsa-miR-29b-3p	FAM136A	Profile11
hsa-miR-29b-3p	FAM13B	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-5p	FAM149B1	Profile11
hsa-miR-320b	FAM155A	Profile11
hsa-miR-320c	FAM155A	Profile11
hsa-miR-19b-3p	FAM160A1	Profile11
hsa-miR-203a-5p	FAM160B1	Profile11
hsa-miR-508-3p	FAM160B1	Profile11
hsa-miR-203a-5p	FAM161A	Profile11
hsa-miR-203a-5p	FAM163A	Profile11
hsa-miR-29b-3p	FAM167A	Profile11
hsa-miR-34a-5p	FAM167A	Profile11
hsa-miR-203a-5p	FAM168A	Profile11
hsa-miR-29b-3p	FAM168B	Profile11
hsa-miR-203a-5p	FAM169B	Profile11
hsa-miR-29b-3p	FAM176A	Profile11
hsa-miR-508-3p	FAM20B	Profile11
hsa-miR-203a-5p	FAM35A	Profile11
hsa-miR-34a-5p	FAM46A	Profile11
hsa-miR-19b-3p	FAM46C	Profile11
hsa-miR-203a-5p	FAM49A	Profile11
hsa-miR-4780	FAM55C	Profile11
hsa-miR-203a-5p	FAM63B	Profile11
hsa-miR-320b	FAM63B	Profile11
hsa-miR-320c	FAM63B	Profile11
hsa-miR-29b-3p	FAM65B	Profile11
hsa-miR-203a-5p	FAM69A	Profile11
hsa-miR-19b-3p	FAM69A	Profile11
hsa-miR-19b-1-5p	FAM70A	Profile11
hsa-miR-320b	FAM71B	Profile11
hsa-miR-320c	FAM71B	Profile11
hsa-miR-34a-5p	FAM73B	Profile11
hsa-miR-203a-5p	FAM81A	Profile11
hsa-miR-19b-3p	FAM83F	Profile11
hsa-miR-203a-5p	FAM84B	Profile11
hsa-miR-19b-3p	FASTK	Profile11
hsa-miR-19b-3p	FAT3	Profile11
hsa-miR-339-5p	FBF1	Profile11
hsa-miR-29b-3p	FBN1	Profile11
hsa-miR-508-3p	FBN1	Profile11
hsa-miR-29b-3p	FBRs	Profile11
hsa-miR-203a-5p	FBXL18	Profile11
hsa-miR-34a-5p	FBXO10	Profile11
hsa-miR-19b-3p	FBXO28	Profile11
hsa-miR-34a-3p	FBXO3	Profile11
hsa-miR-339-5p	FBXO30	Profile11
hsa-miR-34a-5p	FBXO30	Profile11
hsa-miR-19b-1-5p	FBXO32	Profile11
hsa-miR-19b-3p	FBXO36	Profile11
hsa-miR-34a-5p	FBXO41	Profile11
hsa-miR-491-5p	FBXO41	Profile11
hsa-miR-203a-5p	FBXO45	Profile11
hsa-miR-29b-3p	FBXW2	Profile11
hsa-miR-29b-3p	FCHO1	Profile11
hsa-miR-508-3p	FCHSD2	Profile11
hsa-miR-29b-3p	FEM1B	Profile11
hsa-miR-200a-5p	FGFR1	Profile11
hsa-miR-19b-3p	FKBP15	Profile11
hsa-miR-34a-5p	FKBP1B	Profile11
hsa-miR-19b-1-5p	FKBP5	Profile11
hsa-miR-19b-3p	FLNC	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-320b	FLNC	Profile11
hsa-miR-320c	FLNC	Profile11
hsa-miR-6854-5p	FMOD	Profile11
hsa-miR-339-5p	FNBP1	Profile11
hsa-miR-19b-3p	FNDC3B	Profile11
hsa-miR-203a-5p	FNDC5	Profile11
hsa-miR-29b-3p	FNDC5	Profile11
hsa-miR-34a-5p	FNDC8	Profile11
hsa-miR-221-3p	FOS	Profile11
hsa-miR-29b-3p	FOS	Profile11
hsa-miR-34a-5p	FOSB	Profile11
hsa-miR-34a-5p	FOSL1	Profile11
hsa-miR-4780	FOXI1	Profile11
hsa-miR-29b-3p	FOXJ2	Profile11
hsa-miR-34a-5p	FOXJ2	Profile11
hsa-miR-203a-5p	FOXJ3	Profile11
hsa-miR-320b	FOXMI1	Profile11
hsa-miR-320c	FOXMI1	Profile11
hsa-miR-29b-3p	FOXN3	Profile11
hsa-miR-34a-5p	FOXN3	Profile11
hsa-miR-203a-5p	FOXO1	Profile11
hsa-miR-29b-3p	FOXO3	Profile11
hsa-miR-491-5p	FOXP4	Profile11
hsa-miR-203a-5p	FRAS1	Profile11
hsa-miR-19b-3p	FRAS1	Profile11
hsa-miR-320b	FRAS1	Profile11
hsa-miR-320c	FRAS1	Profile11
hsa-miR-6854-5p	FRAS1	Profile11
hsa-miR-34a-5p	FRMD4A	Profile11
hsa-miR-7641	FRMD4A	Profile11
hsa-miR-19b-3p	FRMD6	Profile11
hsa-miR-29b-3p	FSTL1	Profile11
hsa-miR-34a-5p	FUK	Profile11
hsa-miR-200a-5p	FURIN	Profile11
hsa-miR-203a-5p	FUT1	Profile11
hsa-miR-34a-5p	FUT8	Profile11
hsa-miR-34a-5p	FUT9	Profile11
hsa-miR-203a-5p	FYCO1	Profile11
hsa-miR-29b-3p	FZD4	Profile11
hsa-miR-508-3p	FZD5	Profile11
hsa-miR-29b-3p	GAB1	Profile11
hsa-miR-203a-5p	GAB3	Profile11
hsa-miR-203a-5p	GABRA1	Profile11
hsa-miR-34a-5p	GABRA3	Profile11
hsa-miR-203a-5p	GABRA4	Profile11
hsa-miR-34a-3p	GABRA4	Profile11
hsa-miR-203a-5p	GABRB2	Profile11
hsa-miR-203a-5p	GABRG1	Profile11
hsa-miR-203a-5p	GADD45B	Profile11
hsa-miR-491-5p	GAL3ST3	Profile11
hsa-miR-203a-5p	GALNT2	Profile11
hsa-miR-34a-5p	GALNT7	Profile11
hsa-miR-203a-5p	GAS7	Profile11
hsa-miR-6854-5p	GATAD2A	Profile11
hsa-miR-203a-5p	GATAD2B	Profile11
hsa-miR-491-5p	GATAD2B	Profile11
hsa-miR-29b-3p	GCSH	Profile11
hsa-miR-200a-5p	GDAP1	Profile11
hsa-miR-203a-5p	GDPD1	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-5p	GEMIN6	Profile11
hsa-miR-34a-5p	GFRA1	Profile11
hsa-miR-29b-3p	GGA1	Profile11
hsa-miR-29b-3p	GGCT	Profile11
hsa-miR-203a-5p	GIF	Profile11
hsa-miR-34a-5p	GIGYF1	Profile11
hsa-miR-203a-5p	GINS3	Profile11
hsa-miR-203a-5p	GK	Profile11
hsa-miR-34a-5p	GK5	Profile11
hsa-miR-200a-5p	GLCCI1	Profile11
hsa-miR-34a-5p	GLCE	Profile11
hsa-miR-508-3p	GLCE	Profile11
hsa-miR-203a-5p	GLIPR2	Profile11
hsa-miR-29b-3p	GLIS2	Profile11
hsa-miR-29b-3p	GLIS3	Profile11
hsa-miR-320b	GLIS3	Profile11
hsa-miR-320c	GLIS3	Profile11
hsa-miR-19b-3p	GLTP	Profile11
hsa-miR-203a-5p	GLTPD1	Profile11
hsa-miR-200a-5p	GLTSCR1	Profile11
hsa-miR-320b	GMCL1	Profile11
hsa-miR-320c	GMCL1	Profile11
hsa-miR-29b-3p	GNA13	Profile11
hsa-miR-320b	GNAI1	Profile11
hsa-miR-34a-5p	GNAO1	Profile11
hsa-miR-320b	GNAZ	Profile11
hsa-miR-7641	GNB4	Profile11
hsa-miR-320b	GNE	Profile11
hsa-miR-320c	GNE	Profile11
hsa-miR-29b-3p	GNG2	Profile11
hsa-miR-29b-3p	GNS	Profile11
hsa-miR-320b	GNS	Profile11
hsa-miR-320c	GNS	Profile11
hsa-miR-34a-5p	GOLPH3L	Profile11
hsa-miR-6854-5p	GOSR2	Profile11
hsa-miR-203a-5p	GOT2	Profile11
hsa-miR-29b-3p	GPATCH2	Profile11
hsa-miR-221-3p	GPBP1	Profile11
hsa-miR-203a-5p	GPD1L	Profile11
hsa-miR-320b	GPR107	Profile11
hsa-miR-320c	GPR107	Profile11
hsa-miR-34a-5p	GPR158	Profile11
hsa-miR-6854-5p	GPR173	Profile11
hsa-miR-29b-3p	GPR37	Profile11
hsa-miR-203a-5p	GPR55	Profile11
hsa-miR-34a-5p	GPR64	Profile11
hsa-miR-34a-5p	GPR85	Profile11
hsa-miR-203a-5p	GPR97	Profile11
hsa-miR-203a-5p	GPRC5A	Profile11
hsa-miR-19b-3p	GPRC5B	Profile11
hsa-miR-29b-3p	GPX7	Profile11
hsa-miR-320b	GRASP	Profile11
hsa-miR-320c	GRASP	Profile11
hsa-miR-320b	GRB2	Profile11
hsa-miR-320c	GRB2	Profile11
hsa-miR-221-3p	GRIA4	Profile11
hsa-miR-29b-3p	GRIP1	Profile11
hsa-miR-34a-5p	GRK6	Profile11
hsa-miR-29b-3p	GRM4	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-508-3p	GRM8	Profile11
hsa-miR-29b-3p	GRPEL2	Profile11
hsa-miR-320b	GSPT1	Profile11
hsa-miR-320b	GTPBP2	Profile11
hsa-miR-320c	GTPBP2	Profile11
hsa-miR-19b-1-5p	GUCY1A3	Profile11
hsa-miR-320b	GUCY1A3	Profile11
hsa-miR-320c	GUCY1A3	Profile11
hsa-miR-19b-3p	GULP1	Profile11
hsa-miR-203a-5p	GYS1	Profile11
hsa-miR-203a-5p	H2AFV	Profile11
hsa-miR-29b-3p	HAPLN3	Profile11
hsa-miR-29b-3p	HAS3	Profile11
hsa-miR-508-3p	HAS3	Profile11
hsa-miR-29b-3p	HBP1	Profile11
hsa-miR-508-3p	HBP1	Profile11
hsa-miR-6854-5p	HBP1	Profile11
hsa-miR-19b-3p	HCFC2	Profile11
hsa-miR-1268a	HCN2	Profile11
hsa-miR-34a-5p	HCN3	Profile11
hsa-miR-34a-3p	HDAC2	Profile11
hsa-miR-6854-5p	HDAC2	Profile11
hsa-miR-29b-3p	HDAC4	Profile11
hsa-miR-203a-5p	HDAC8	Profile11
hsa-miR-508-3p	HEATR5A	Profile11
hsa-miR-221-3p	HECTD2	Profile11
hsa-miR-6854-5p	HECTD3	Profile11
hsa-miR-203a-5p	HEG1	Profile11
hsa-miR-19b-1-5p	HEG1	Profile11
hsa-miR-203a-5p	HELZ	Profile11
hsa-miR-29b-3p	HELZ	Profile11
hsa-miR-1268a	HES7	Profile11
hsa-miR-203a-5p	HHLA1	Profile11
hsa-miR-29b-3p	HIATL1	Profile11
hsa-miR-6854-5p	HIF1AN	Profile11
hsa-miR-203a-5p	HIF3A	Profile11
hsa-miR-29b-3p	HIF3A	Profile11
hsa-miR-203a-5p	HIP1	Profile11
hsa-miR-19b-3p	HIP1	Profile11
hsa-miR-221-3p	HIPK2	Profile11
hsa-miR-320b	HIPK2	Profile11
hsa-miR-320c	HIPK2	Profile11
hsa-miR-19b-3p	HIPK3	Profile11
hsa-miR-34a-5p	HK1	Profile11
hsa-miR-4780	HLCS	Profile11
hsa-miR-29b-3p	HLF	Profile11
hsa-miR-320b	HLTF	Profile11
hsa-miR-320c	HLTF	Profile11
hsa-miR-203a-5p	HMBX1	Profile11
hsa-miR-29b-3p	HMCN1	Profile11
hsa-miR-29b-3p	HMGCR	Profile11
hsa-miR-34a-5p	HNF4A	Profile11
hsa-miR-29b-3p	HNF4G	Profile11
hsa-miR-339-5p	HNRNPA1	Profile11
hsa-miR-221-3p	HNRNPA3	Profile11
hsa-miR-320b	HNRNPC	Profile11
hsa-miR-320c	HNRNPC	Profile11
hsa-miR-320b	HNRNPH1	Profile11
hsa-miR-320c	HNRNPH1	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-5p	HNRNPU	Profile11
hsa-miR-19b-3p	HNRNPU	Profile11
hsa-miR-19b-3p	HNRNPUL1	Profile11
hsa-miR-221-3p	HOOK3	Profile11
hsa-miR-508-3p	HOXA1	Profile11
hsa-miR-320b	HOXA10	Profile11
hsa-miR-339-5p	HOXA11	Profile11
hsa-miR-320b	HOXB4	Profile11
hsa-miR-6854-5p	HOXB5	Profile11
hsa-miR-339-5p	HOXC11	Profile11
hsa-miR-203a-5p	HPCAL4	Profile11
hsa-miR-1268a	HPD	Profile11
hsa-miR-203a-5p	HPS1	Profile11
hsa-miR-6854-5p	HS3ST2	Profile11
hsa-miR-19b-3p	HS3ST5	Profile11
hsa-miR-19b-1-5p	HS6ST3	Profile11
hsa-miR-320b	HSF5	Profile11
hsa-miR-19b-3p	ICA1L	Profile11
hsa-miR-29b-3p	ICOS	Profile11
hsa-miR-29b-3p	ID1	Profile11
hsa-miR-29b-3p	IDE	Profile11
hsa-miR-320b	IDE	Profile11
hsa-miR-320c	IDE	Profile11
hsa-miR-29b-3p	IFFO2	Profile11
hsa-miR-29b-3p	IFI30	Profile11
hsa-miR-320b	IFT57	Profile11
hsa-miR-320c	IFT57	Profile11
hsa-miR-19b-1-5p	IGF1	Profile11
hsa-miR-221-3p	IGF1	Profile11
hsa-miR-29b-3p	IGF1	Profile11
hsa-miR-203a-5p	IGF1R	Profile11
hsa-miR-339-5p	IGF2BP1	Profile11
hsa-miR-4780	IGF2BP1	Profile11
hsa-miR-491-5p	IGF2BP1	Profile11
hsa-miR-6854-5p	IGF2BP1	Profile11
hsa-miR-221-3p	IGF2BP2	Profile11
hsa-miR-320b	IGF2BP3	Profile11
hsa-miR-320c	IGF2BP3	Profile11
hsa-miR-34a-5p	IGSF1	Profile11
hsa-miR-203a-5p	IGSF3	Profile11
hsa-miR-491-5p	IGSF9B	Profile11
hsa-miR-221-3p	IKZF4	Profile11
hsa-miR-29b-3p	IL1RAP	Profile11
hsa-miR-320b	IL1RAP	Profile11
hsa-miR-203a-5p	IL27RA	Profile11
hsa-miR-491-5p	IL6R	Profile11
hsa-miR-6854-5p	IL6R	Profile11
hsa-miR-19b-3p	IL6ST	Profile11
hsa-miR-19b-3p	IMPDH1	Profile11
hsa-miR-29b-3p	IMPDH1	Profile11
hsa-miR-34a-5p	INA	Profile11
hsa-miR-203a-5p	ING5	Profile11
hsa-miR-320b	INO80D	Profile11
hsa-miR-320c	INO80D	Profile11
hsa-miR-34a-5p	INPP5K	Profile11
hsa-miR-6854-5p	INSR	Profile11
hsa-miR-203a-5p	INTU	Profile11
hsa-miR-320b	IPO7	Profile11
hsa-miR-34a-3p	IPPK	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-5p	IQCE	Profile11
hsa-miR-203a-5p	IRAK1BP1	Profile11
hsa-miR-29b-3p	IREB2	Profile11
hsa-miR-34a-5p	IRF2BP2	Profile11
hsa-miR-320b	IRF6	Profile11
hsa-miR-320c	IRF6	Profile11
hsa-miR-29b-3p	ISG20L2	Profile11
hsa-miR-29b-3p	ISL1	Profile11
hsa-miR-29b-3p	ISLR2	Profile11
hsa-miR-19b-3p	ITGA11	Profile11
hsa-miR-339-5p	ITGA3	Profile11
hsa-miR-203a-5p	ITGAL	Profile11
hsa-miR-203a-5p	ITGAX	Profile11
hsa-miR-320b	ITGB3	Profile11
hsa-miR-221-3p	ITGB8	Profile11
hsa-miR-203a-5p	ITK	Profile11
hsa-miR-203a-5p	ITPKB	Profile11
hsa-miR-19b-3p	ITPKB	Profile11
hsa-miR-203a-5p	IVNS1ABP	Profile11
hsa-miR-19b-3p	IVNS1ABP	Profile11
hsa-miR-203a-5p	IYD	Profile11
hsa-miR-203a-5p	JAG1	Profile11
hsa-miR-200a-5p	JAG1	Profile11
hsa-miR-34a-5p	JAG1	Profile11
hsa-miR-19b-3p	JARID2	Profile11
hsa-miR-29b-3p	JARID2	Profile11
hsa-miR-19b-3p	JAZF1	Profile11
hsa-miR-34a-3p	JAZF1	Profile11
hsa-miR-203a-5p	JHDM1D	Profile11
hsa-miR-34a-5p	JHDM1D	Profile11
hsa-miR-19b-1-5p	JMY	Profile11
hsa-miR-34a-5p	JPH3	Profile11
hsa-miR-19b-3p	KCNA4	Profile11
hsa-miR-29b-3p	KCNJ12	Profile11
hsa-miR-19b-3p	KCNJ2	Profile11
hsa-miR-29b-3p	KCNK10	Profile11
hsa-miR-34a-5p	KCNK3	Profile11
hsa-miR-203a-5p	KCNK5	Profile11
hsa-miR-491-5p	KCNK5	Profile11
hsa-miR-221-3p	KCNQ3	Profile11
hsa-miR-320b	KCTD2	Profile11
hsa-miR-320c	KCTD2	Profile11
hsa-miR-29b-3p	KCTD20	Profile11
hsa-miR-203a-5p	KCTD21	Profile11
hsa-miR-29b-3p	KDM2A	Profile11
hsa-miR-29b-3p	KDM5A	Profile11
hsa-miR-320b	KDM5A	Profile11
hsa-miR-320c	KDM5A	Profile11
hsa-miR-29b-3p	KDM6B	Profile11
hsa-miR-221-3p	KDR	Profile11
hsa-miR-221-3p	KDSR	Profile11
hsa-miR-320b	KDSR	Profile11
hsa-miR-320c	KDSR	Profile11
hsa-miR-6854-5p	KIAA0182	Profile11
hsa-miR-320b	KIAA0247	Profile11
hsa-miR-320c	KIAA0247	Profile11
hsa-miR-6854-5p	KIAA0247	Profile11
hsa-miR-19b-3p	KIAA0355	Profile11
hsa-miR-29b-3p	KIAA0355	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-221-3p	KIAA0494	Profile11
hsa-miR-203a-5p	KIAA0513	Profile11
hsa-miR-203a-5p	KIAA0556	Profile11
hsa-miR-491-5p	KIAA0664	Profile11
hsa-miR-34a-5p	KIAA0753	Profile11
hsa-miR-29b-3p	KIAA0895	Profile11
hsa-miR-29b-3p	KIAA1024	Profile11
hsa-miR-34a-5p	KIAA1024	Profile11
hsa-miR-203a-5p	KIAA1045	Profile11
hsa-miR-34a-5p	KIAA1045	Profile11
hsa-miR-203a-5p	KIAA1199	Profile11
hsa-miR-34a-5p	KIAA1210	Profile11
hsa-miR-19b-3p	KIAA1211	Profile11
hsa-miR-19b-1-5p	KIAA1217	Profile11
hsa-miR-34a-5p	KIAA1217	Profile11
hsa-miR-221-3p	KIAA1267	Profile11
hsa-miR-221-3p	KIAA1370	Profile11
hsa-miR-19b-3p	KIAA1598	Profile11
hsa-miR-320b	KIAA1715	Profile11
hsa-miR-320c	KIAA1715	Profile11
hsa-miR-19b-3p	KIAA2013	Profile11
hsa-miR-29b-3p	KIAA2018	Profile11
hsa-miR-29b-3p	KIAA2022	Profile11
hsa-miR-320b	KIAA2022	Profile11
hsa-miR-320c	KIAA2022	Profile11
hsa-miR-221-3p	KIF16B	Profile11
hsa-miR-6854-5p	KIF21B	Profile11
hsa-miR-29b-3p	KIF26A	Profile11
hsa-miR-29b-3p	KIF26B	Profile11
hsa-miR-320b	KIF3C	Profile11
hsa-miR-339-5p	KIRREL	Profile11
hsa-miR-34a-5p	KITLG	Profile11
hsa-miR-203a-5p	KL	Profile11
hsa-miR-34a-5p	KLC2	Profile11
hsa-miR-203a-5p	KLF11	Profile11
hsa-miR-19b-3p	KLF13	Profile11
hsa-miR-320b	KLF13	Profile11
hsa-miR-320c	KLF13	Profile11
hsa-miR-4780	KLF3	Profile11
hsa-miR-203a-5p	KLHDC10	Profile11
hsa-miR-29b-3p	KLHDC10	Profile11
hsa-miR-320b	KLHDC10	Profile11
hsa-miR-29b-3p	KLHDC5	Profile11
hsa-miR-6854-5p	KLHL12	Profile11
hsa-miR-221-3p	KLHL18	Profile11
hsa-miR-6854-5p	KLHL25	Profile11
hsa-miR-19b-3p	KLHL28	Profile11
hsa-miR-29b-3p	KLHL28	Profile11
hsa-miR-6854-5p	KLHL6	Profile11
hsa-miR-29b-3p	KLHL8	Profile11
hsa-miR-19b-1-5p	KPNA1	Profile11
hsa-miR-19b-3p	KPNA3	Profile11
hsa-miR-6854-5p	KPNA3	Profile11
hsa-miR-203a-5p	KPNA6	Profile11
hsa-miR-6854-5p	KPNA6	Profile11
hsa-miR-203a-5p	KRT4	Profile11
hsa-miR-221-3p	KSR2	Profile11
hsa-miR-203a-5p	L2HGDH	Profile11
hsa-miR-203a-5p	L3MBTL2	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-6854-5p	L3MBTL3	Profile11
hsa-miR-29b-3p	LAMA2	Profile11
hsa-miR-320b	LAMP1	Profile11
hsa-miR-320c	LAMP1	Profile11
hsa-miR-6854-5p	LARP4	Profile11
hsa-miR-203a-5p	LASP1	Profile11
hsa-miR-29b-3p	LASP1	Profile11
hsa-miR-6854-5p	LBH	Profile11
hsa-miR-7641	LBH	Profile11
hsa-miR-203a-5p	LCORL	Profile11
hsa-miR-203a-5p	LCT	Profile11
hsa-miR-29b-3p	LDOC1L	Profile11
hsa-miR-29b-3p	LEP	Profile11
hsa-miR-203a-5p	LEPROTL1	Profile11
hsa-miR-7641	LGALS8	Profile11
hsa-miR-203a-5p	LGI2	Profile11
hsa-miR-34a-5p	LGR4	Profile11
hsa-miR-34a-5p	LHPP	Profile11
hsa-miR-19b-3p	LIMCH1	Profile11
hsa-miR-6854-5p	LIMCH1	Profile11
hsa-miR-19b-3p	LIMD2	Profile11
hsa-miR-34a-5p	LIMD2	Profile11
hsa-miR-6854-5p	LMAN2L	Profile11
hsa-miR-34a-5p	LMBR1L	Profile11
hsa-miR-29b-3p	LMLN	Profile11
hsa-miR-320b	LMLN	Profile11
hsa-miR-320c	LMLN	Profile11
hsa-miR-203a-5p	LONP2	Profile11
hsa-miR-29b-3p	LOX	Profile11
hsa-miR-29b-3p	LOXL2	Profile11
hsa-miR-29b-3p	LOXL4	Profile11
hsa-miR-29b-3p	LPL	Profile11
hsa-miR-203a-5p	LPP	Profile11
hsa-miR-34a-5p	LPPR2	Profile11
hsa-miR-29b-3p	LPPR4	Profile11
hsa-miR-29b-3p	LRCH1	Profile11
hsa-miR-19b-3p	LRP12	Profile11
hsa-miR-29b-3p	LRP6	Profile11
hsa-miR-203a-5p	LRRC48	Profile11
hsa-miR-34a-5p	LRRC7	Profile11
hsa-miR-203a-5p	LRRC8C	Profile11
hsa-miR-203a-5p	LRRFIP1	Profile11
hsa-miR-19b-3p	LRRK2	Profile11
hsa-miR-34a-3p	LRRTM2	Profile11
hsa-miR-6854-5p	LRTOMT	Profile11
hsa-miR-29b-3p	LSM11	Profile11
hsa-miR-203a-5p	LSM14B	Profile11
hsa-miR-339-5p	LSM14B	Profile11
hsa-miR-19b-3p	LY75	Profile11
hsa-miR-29b-3p	LYSMD1	Profile11
hsa-miR-203a-5p	LYSMD3	Profile11
hsa-miR-203a-5p	MACC1	Profile11
hsa-miR-6854-5p	MAFF	Profile11
hsa-miR-29b-3p	MAFG	Profile11
hsa-miR-320b	MAGI1	Profile11
hsa-miR-34a-3p	MAGI3	Profile11
hsa-miR-19b-1-5p	MAN1A1	Profile11
hsa-miR-29b-3p	MANEAL	Profile11
hsa-miR-320b	MANEAL	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-320c	MANEAL	Profile11
hsa-miR-34a-5p	MAP1A	Profile11
hsa-miR-19b-3p	MAP2K3	Profile11
hsa-miR-29b-3p	MAP2K4	Profile11
hsa-miR-203a-5p	MAP3K1	Profile11
hsa-miR-29b-3p	MAP4K4	Profile11
hsa-miR-320b	MAPK1	Profile11
hsa-miR-320c	MAPK1	Profile11
hsa-miR-221-3p	MAPK10	Profile11
hsa-miR-34a-5p	MAPK13	Profile11
hsa-miR-320b	MAPK11P1L	Profile11
hsa-miR-320c	MAPK11P1L	Profile11
hsa-miR-4780	MAPK3	Profile11
hsa-miR-19b-3p	MAPK6	Profile11
hsa-miR-29b-3p	MAPRE2	Profile11
hsa-miR-34a-5p	MAPT	Profile11
hsa-miR-34a-5p	MARCKSL1	Profile11
hsa-miR-203a-5p	MAT1A	Profile11
hsa-miR-203a-5p	MAVS	Profile11
hsa-miR-34a-5p	MAZ	Profile11
hsa-miR-203a-5p	MBD1	Profile11
hsa-miR-508-3p	MBD1	Profile11
hsa-miR-221-3p	MBD2	Profile11
hsa-miR-19b-3p	MBD4	Profile11
hsa-miR-29b-3p	MBLAC2	Profile11
hsa-miR-29b-3p	MBTD1	Profile11
hsa-miR-203a-5p	MBTPS2	Profile11
hsa-miR-203a-5p	MCC	Profile11
hsa-miR-508-3p	MCF2L2	Profile11
hsa-miR-203a-5p	MCTS1	Profile11
hsa-miR-203a-5p	MDGA1	Profile11
hsa-miR-203a-5p	MDM4	Profile11
hsa-miR-34a-5p	MDM4	Profile11
hsa-miR-203a-5p	MECP2	Profile11
hsa-miR-19b-1-5p	MECP2	Profile11
hsa-miR-320b	MECP2	Profile11
hsa-miR-320c	MECP2	Profile11
hsa-miR-425-3p	MECP2	Profile11
hsa-miR-4780	MECP2	Profile11
hsa-miR-221-3p	MED1	Profile11
hsa-miR-203a-5p	MED14	Profile11
hsa-miR-6854-5p	MED20	Profile11
hsa-miR-6854-5p	MED21	Profile11
hsa-miR-34a-3p	MEF2D	Profile11
hsa-miR-221-3p	MEGF9	Profile11
hsa-miR-203a-5p	MEIS2	Profile11
hsa-miR-4780	MEIS2	Profile11
hsa-miR-19b-1-5p	MEOX2	Profile11
hsa-miR-203a-5p	MESDC2	Profile11
hsa-miR-29b-3p	MEST	Profile11
hsa-miR-34a-5p	MET	Profile11
hsa-miR-29b-3p	METAP2	Profile11
hsa-miR-221-3p	METTTL10	Profile11
hsa-miR-320b	METTTL10	Profile11
hsa-miR-320c	METTTL10	Profile11
hsa-miR-320b	METTTL7A	Profile11
hsa-miR-320c	METTTL7A	Profile11
hsa-miR-320b	MEX3A	Profile11
hsa-miR-320c	MEX3A	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-491-5p	MEX3A	Profile11
hsa-miR-29b-3p	MEX3B	Profile11
hsa-miR-29b-3p	MFAP3	Profile11
hsa-miR-19b-3p	MFAP3L	Profile11
hsa-miR-508-3p	MFAP3L	Profile11
hsa-miR-200a-5p	MGAT4A	Profile11
hsa-miR-29b-3p	MGAT4A	Profile11
hsa-miR-34a-5p	MGAT4A	Profile11
hsa-miR-29b-3p	MGAT4B	Profile11
hsa-miR-19b-3p	MIB1	Profile11
hsa-miR-29b-3p	MIB1	Profile11
hsa-miR-203a-5p	MICAL3	Profile11
hsa-miR-19b-3p	MICAL3	Profile11
hsa-miR-19b-3p	MID1	Profile11
hsa-miR-320b	MID1	Profile11
hsa-miR-320c	MID1	Profile11
hsa-miR-19b-3p	MID1IP1	Profile11
hsa-miR-203a-5p	MID2	Profile11
hsa-miR-221-3p	MIDN	Profile11
hsa-miR-221-3p	MIER3	Profile11
hsa-miR-320b	MIER3	Profile11
hsa-miR-320c	MIER3	Profile11
hsa-miR-203a-5p	MINPP1	Profile11
hsa-miR-320b	MKL2	Profile11
hsa-miR-320b	MKLN1	Profile11
hsa-miR-320c	MKLN1	Profile11
hsa-miR-34a-5p	MLEC	Profile11
hsa-miR-29b-3p	MLF1	Profile11
hsa-miR-203a-5p	MLKL	Profile11
hsa-miR-339-5p	MLL	Profile11
hsa-miR-29b-3p	MLLT11	Profile11
hsa-miR-320b	MLLT3	Profile11
hsa-miR-320c	MLLT3	Profile11
hsa-miR-34a-5p	MLLT3	Profile11
hsa-miR-6854-5p	MLLT6	Profile11
hsa-miR-34a-5p	MMAB	Profile11
hsa-miR-203a-5p	MMACHC	Profile11
hsa-miR-19b-1-5p	MMP16	Profile11
hsa-miR-320b	MMP16	Profile11
hsa-miR-320c	MMP16	Profile11
hsa-miR-203a-5p	MMRN2	Profile11
hsa-miR-29b-3p	MOBKL1A	Profile11
hsa-miR-200a-5p	MOBP	Profile11
hsa-miR-203a-5p	MOGS	Profile11
hsa-miR-203a-5p	MON2	Profile11
hsa-miR-34a-3p	MON2	Profile11
hsa-miR-34a-5p	MON2	Profile11
hsa-miR-203a-5p	MOSPD2	Profile11
hsa-miR-508-3p	MPHOSPH9	Profile11
hsa-miR-203a-5p	MPO	Profile11
hsa-miR-34a-5p	MPP2	Profile11
hsa-miR-19b-3p	MPPED2	Profile11
hsa-miR-203a-5p	MPRIP	Profile11
hsa-miR-203a-5p	MPZL3	Profile11
hsa-miR-6854-5p	MRAS	Profile11
hsa-miR-29b-3p	MRE11A	Profile11
hsa-miR-320b	MRFAP1	Profile11
hsa-miR-320c	MRFAP1	Profile11
hsa-miR-203a-5p	MRPL14	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-5p	MRPL35	Profile11
hsa-miR-203a-5p	MRPL43	Profile11
hsa-miR-34a-5p	MRPL52	Profile11
hsa-miR-203a-5p	MRPS10	Profile11
hsa-miR-203a-5p	MRPS14	Profile11
hsa-miR-203a-5p	MRT04	Profile11
hsa-miR-6854-5p	MS4A2	Profile11
hsa-miR-34a-3p	MSRB3	Profile11
hsa-miR-6854-5p	MSRB3	Profile11
hsa-miR-320b	MTDH	Profile11
hsa-miR-6854-5p	MTHFR	Profile11
hsa-miR-339-5p	MTMR3	Profile11
hsa-miR-34a-5p	MTMR9	Profile11
hsa-miR-203a-5p	MTSS1	Profile11
hsa-miR-320b	MTSS1	Profile11
hsa-miR-320c	MTSS1	Profile11
hsa-miR-29b-3p	MXD1	Profile11
hsa-miR-203a-5p	MYADM	Profile11
hsa-miR-6854-5p	MYADM	Profile11
hsa-miR-221-3p	MYBL1	Profile11
hsa-miR-29b-3p	MYCN	Profile11
hsa-miR-34a-5p	MYCN	Profile11
hsa-miR-320b	MYEF2	Profile11
hsa-miR-320c	MYEF2	Profile11
hsa-miR-320b	MYL12A	Profile11
hsa-miR-203a-5p	MYNN	Profile11
hsa-miR-203a-5p	MYO3B	Profile11
hsa-miR-203a-5p	MYO5A	Profile11
hsa-miR-19b-3p	MYO5A	Profile11
hsa-miR-34a-5p	MYRIP	Profile11
hsa-miR-320b	N4BP1	Profile11
hsa-miR-320c	N4BP1	Profile11
hsa-miR-491-5p	N4BP3	Profile11
hsa-miR-339-5p	NACC1	Profile11
hsa-miR-29b-3p	NAPB	Profile11
hsa-miR-34a-5p	NAPEPLD	Profile11
hsa-miR-29b-3p	NASP	Profile11
hsa-miR-29b-3p	NAV1	Profile11
hsa-miR-34a-5p	NAV1	Profile11
hsa-miR-29b-3p	NAV3	Profile11
hsa-miR-34a-5p	NAV3	Profile11
hsa-miR-203a-5p	NBPF14	Profile11
hsa-miR-203a-5p	NBPF15	Profile11
hsa-miR-203a-5p	NBPF16	Profile11
hsa-miR-203a-5p	NBPF3	Profile11
hsa-miR-4780	NCALD	Profile11
hsa-miR-320b	NCAPD3	Profile11
hsa-miR-320c	NCAPD3	Profile11
hsa-miR-320b	NCDN	Profile11
hsa-miR-320c	NCDN	Profile11
hsa-miR-29b-3p	NCOR2	Profile11
hsa-miR-34a-5p	NCOR2	Profile11
hsa-miR-6854-5p	NCOR2	Profile11
hsa-miR-221-3p	NDFIP1	Profile11
hsa-miR-203a-5p	NDRG3	Profile11
hsa-miR-320b	NDRG3	Profile11
hsa-miR-320c	NDRG3	Profile11
hsa-miR-29b-3p	NDST1	Profile11
hsa-miR-34a-5p	NDST1	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-5p	NDUFB9	Profile11
hsa-miR-6854-5p	NDUFC2	Profile11
hsa-miR-6854-5p	NEFL	Profile11
hsa-miR-29b-3p	NEGR1	Profile11
hsa-miR-320b	NELF	Profile11
hsa-miR-320c	NELF	Profile11
hsa-miR-203a-5p	NEURL1B	Profile11
hsa-miR-19b-3p	NEURL1B	Profile11
hsa-miR-34a-5p	NEURL1B	Profile11
hsa-miR-508-3p	NEUROD2	Profile11
hsa-miR-19b-3p	NF1	Profile11
hsa-miR-339-5p	NF2	Profile11
hsa-miR-203a-5p	NFASC	Profile11
hsa-miR-339-5p	NFASC	Profile11
hsa-miR-491-5p	NFASC	Profile11
hsa-miR-6854-5p	NFASC	Profile11
hsa-miR-203a-5p	NFAT5	Profile11
hsa-miR-29b-3p	NFAT5	Profile11
hsa-miR-339-5p	NFE2L1	Profile11
hsa-miR-29b-3p	NFIA	Profile11
hsa-miR-29b-3p	NFIB	Profile11
hsa-miR-491-5p	NFIB	Profile11
hsa-miR-508-3p	NFKB1	Profile11
hsa-miR-425-3p	NFYA	Profile11
hsa-miR-221-3p	NFYB	Profile11
hsa-miR-6854-5p	NGFR	Profile11
hsa-miR-203a-5p	NHSL2	Profile11
hsa-miR-6854-5p	NICN1	Profile11
hsa-miR-491-5p	NIPAL2	Profile11
hsa-miR-221-3p	NIPAL4	Profile11
hsa-miR-6854-5p	NIT1	Profile11
hsa-miR-29b-3p	NKAIN1	Profile11
hsa-miR-29b-3p	NKRF	Profile11
hsa-miR-34a-3p	NLGN1	Profile11
hsa-miR-221-3p	NLK	Profile11
hsa-miR-508-3p	NLK	Profile11
hsa-miR-203a-5p	NLRC3	Profile11
hsa-miR-19b-3p	NME7	Profile11
hsa-miR-339-5p	NNAT	Profile11
hsa-miR-203a-5p	NOL10	Profile11
hsa-miR-34a-5p	NOS1AP	Profile11
hsa-miR-203a-5p	NOTCH1	Profile11
hsa-miR-34a-5p	NOTCH1	Profile11
hsa-miR-29b-3p	NOTCH2	Profile11
hsa-miR-34a-5p	NOTCH2	Profile11
hsa-miR-221-3p	NOVA1	Profile11
hsa-miR-29b-3p	NPAS3	Profile11
hsa-miR-508-3p	NPAS3	Profile11
hsa-miR-19b-1-5p	NPAT	Profile11
hsa-miR-34a-3p	NPEPPS	Profile11
hsa-miR-6854-5p	NR1D1	Profile11
hsa-miR-6854-5p	NR1I2	Profile11
hsa-miR-19b-1-5p	NR2E1	Profile11
hsa-miR-203a-5p	NR2F2	Profile11
hsa-miR-203a-5p	NR3C1	Profile11
hsa-miR-29b-3p	NR3C1	Profile11
hsa-miR-29b-3p	NRAS	Profile11
hsa-miR-34a-5p	NRIP3	Profile11
hsa-miR-221-3p	NRK	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-320b	NRN1	Profile11
hsa-miR-320c	NRN1	Profile11
hsa-miR-34a-5p	NRN1	Profile11
hsa-miR-339-5p	NRP2	Profile11
hsa-miR-29b-3p	NRSN1	Profile11
hsa-miR-203a-5p	NRXN3	Profile11
hsa-miR-29b-3p	NSD1	Profile11
hsa-miR-34a-5p	NSD1	Profile11
hsa-miR-6854-5p	NSD1	Profile11
hsa-miR-203a-5p	NSL1	Profile11
hsa-miR-221-3p	NSMCE4A	Profile11
hsa-miR-221-3p	NSUN4	Profile11
hsa-miR-19b-1-5p	NTN1	Profile11
hsa-miR-339-5p	NTN1	Profile11
hsa-miR-34a-5p	NTN4	Profile11
hsa-miR-19b-3p	NTRK2	Profile11
hsa-miR-320b	NTRK2	Profile11
hsa-miR-320c	NTRK2	Profile11
hsa-miR-6854-5p	NTRK2	Profile11
hsa-miR-4780	NUAK2	Profile11
hsa-miR-29b-3p	NUCKS1	Profile11
hsa-miR-6854-5p	NUCKS1	Profile11
hsa-miR-19b-3p	NUDCD3	Profile11
hsa-miR-19b-3p	NUDT13	Profile11
hsa-miR-19b-3p	NUFIP2	Profile11
hsa-miR-221-3p	NUFIP2	Profile11
hsa-miR-29b-3p	NUFIP2	Profile11
hsa-miR-508-3p	NUMB	Profile11
hsa-miR-29b-3p	NUP160	Profile11
hsa-miR-200a-5p	NXF1	Profile11
hsa-miR-320b	NXT2	Profile11
hsa-miR-320c	NXT2	Profile11
hsa-miR-34a-5p	OBFC1	Profile11
hsa-miR-320b	OBFC2A	Profile11
hsa-miR-320c	OBFC2A	Profile11
hsa-miR-508-3p	ODZ2	Profile11
hsa-miR-6854-5p	ODZ4	Profile11
hsa-miR-34a-3p	OLA1	Profile11
hsa-miR-203a-5p	ONECUT2	Profile11
hsa-miR-29b-3p	ONECUT2	Profile11
hsa-miR-339-5p	ONECUT2	Profile11
hsa-miR-203a-5p	OPA3	Profile11
hsa-miR-203a-5p	OR51E2	Profile11
hsa-miR-203a-5p	OR9Q1	Profile11
hsa-miR-34a-5p	ORMDL3	Profile11
hsa-miR-6854-5p	OS9	Profile11
hsa-miR-34a-3p	OSBP	Profile11
hsa-miR-29b-3p	OSBPL3	Profile11
hsa-miR-29b-3p	OSBPL6	Profile11
hsa-miR-203a-5p	OSBPL8	Profile11
hsa-miR-34a-5p	OSGIN2	Profile11
hsa-miR-4780	OTP	Profile11
hsa-miR-29b-3p	OTUB2	Profile11
hsa-miR-320b	OTUD3	Profile11
hsa-miR-320c	OTUD3	Profile11
hsa-miR-29b-3p	OTUD4	Profile11
hsa-miR-19b-3p	OTUD7B	Profile11
hsa-miR-203a-5p	OVOL1	Profile11
hsa-miR-203a-5p	OXSR1	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-19b-1-5p	OXSR1	Profile11
hsa-miR-320b	OXSR1	Profile11
hsa-miR-6854-5p	P2RY2	Profile11
hsa-miR-203a-5p	P4HB	Profile11
hsa-miR-19b-3p	PACS1	Profile11
hsa-miR-34a-5p	PACS1	Profile11
hsa-miR-491-5p	PADI2	Profile11
hsa-miR-203a-5p	PADI4	Profile11
hsa-miR-29b-3p	PAIP2	Profile11
hsa-miR-320b	PAIP2B	Profile11
hsa-miR-320c	PAIP2B	Profile11
hsa-miR-221-3p	PAK1	Profile11
hsa-miR-203a-5p	PAK4	Profile11
hsa-miR-320b	PAK7	Profile11
hsa-miR-320c	PAK7	Profile11
hsa-miR-29b-3p	PALM2	Profile11
hsa-miR-34a-5p	PALM2	Profile11
hsa-miR-29b-3p	PAN2	Profile11
hsa-miR-203a-5p	PAN3	Profile11
hsa-miR-320b	PAN3	Profile11
hsa-miR-320c	PAN3	Profile11
hsa-miR-221-3p	PANK3	Profile11
hsa-miR-320b	PAPD5	Profile11
hsa-miR-320c	PAPD5	Profile11
hsa-miR-7641	PAPOLA	Profile11
hsa-miR-203a-5p	PAPOLG	Profile11
hsa-miR-29b-3p	PAPOLG	Profile11
hsa-miR-203a-5p	PAPPA	Profile11
hsa-miR-34a-5p	PAPPA	Profile11
hsa-miR-34a-5p	PARD6B	Profile11
hsa-miR-203a-5p	PAX2	Profile11
hsa-miR-203a-5p	PAX7	Profile11
hsa-miR-320b	PBX3	Profile11
hsa-miR-6854-5p	PBX3	Profile11
hsa-miR-491-5p	PCBP2	Profile11
hsa-miR-34a-3p	PCDH19	Profile11
hsa-miR-320b	PCDH9	Profile11
hsa-miR-320c	PCDH9	Profile11
hsa-miR-203a-5p	PCDHA1	Profile11
hsa-miR-221-3p	PCDHA1	Profile11
hsa-miR-29b-3p	PCDHA1	Profile11
hsa-miR-320b	PCDHA1	Profile11
hsa-miR-320c	PCDHA1	Profile11
hsa-miR-29b-3p	PCGF3	Profile11
hsa-miR-320b	PCGF3	Profile11
hsa-miR-320c	PCGF3	Profile11
hsa-miR-320b	PCGF5	Profile11
hsa-miR-320c	PCGF5	Profile11
hsa-miR-203a-5p	PCMTD2	Profile11
hsa-miR-320b	PCSK6	Profile11
hsa-miR-320c	PCSK6	Profile11
hsa-miR-320b	PCSK7	Profile11
hsa-miR-320c	PCSK7	Profile11
hsa-miR-6854-5p	PCSK7	Profile11
hsa-miR-203a-5p	PCYOX1	Profile11
hsa-miR-19b-1-5p	PDAP1	Profile11
hsa-miR-320b	PDE10A	Profile11
hsa-miR-203a-5p	PDE11A	Profile11
hsa-miR-491-5p	PDE1B	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-6854-5p	PDE1C	Profile11
hsa-miR-339-5p	PDE4DIP	Profile11
hsa-miR-203a-5p	PDE7A	Profile11
hsa-miR-203a-5p	PDE9A	Profile11
hsa-miR-29b-3p	PDGFB	Profile11
hsa-miR-29b-3p	PDGFC	Profile11
hsa-miR-34a-5p	PDGFRA	Profile11
hsa-miR-203a-5p	PDK1	Profile11
hsa-miR-6854-5p	PDLIM2	Profile11
hsa-miR-320b	PDLIM5	Profile11
hsa-miR-320c	PDLIM5	Profile11
hsa-miR-34a-5p	PDLIM7	Profile11
hsa-miR-203a-5p	PDPK1	Profile11
hsa-miR-203a-5p	PDPR	Profile11
hsa-miR-203a-5p	PDXDC1	Profile11
hsa-miR-339-5p	PDZD4	Profile11
hsa-miR-320b	PELI2	Profile11
hsa-miR-320c	PELI2	Profile11
hsa-miR-29b-3p	PER1	Profile11
hsa-miR-29b-3p	PER3	Profile11
hsa-miR-203a-5p	PEX26	Profile11
hsa-miR-320b	PFKFB2	Profile11
hsa-miR-320c	PFKFB2	Profile11
hsa-miR-203a-5p	PFKFB3	Profile11
hsa-miR-320b	PFKM	Profile11
hsa-miR-320c	PFKM	Profile11
hsa-miR-203a-5p	PGGT1B	Profile11
hsa-miR-34a-5p	PGM1	Profile11
hsa-miR-203a-5p	PHACTR1	Profile11
hsa-miR-203a-5p	PHACTR2	Profile11
hsa-miR-29b-3p	PHACTR2	Profile11
hsa-miR-221-3p	PHACTR4	Profile11
hsa-miR-6854-5p	PHACTR4	Profile11
hsa-miR-29b-3p	PHC1	Profile11
hsa-miR-19b-3p	PHF12	Profile11
hsa-miR-19b-3p	PHF13	Profile11
hsa-miR-203a-5p	PHF15	Profile11
hsa-miR-339-5p	PHF17	Profile11
hsa-miR-6854-5p	PHF17	Profile11
hsa-miR-203a-5p	PHF19	Profile11
hsa-miR-19b-1-5p	PHF20	Profile11
hsa-miR-320b	PHF20L1	Profile11
hsa-miR-320c	PHF20L1	Profile11
hsa-miR-320b	PHF8	Profile11
hsa-miR-320c	PHF8	Profile11
hsa-miR-339-5p	PHF8	Profile11
hsa-miR-320b	PHIP	Profile11
hsa-miR-320c	PHIP	Profile11
hsa-miR-6854-5p	PHKA2	Profile11
hsa-miR-320b	PHOX2B	Profile11
hsa-miR-320c	PHOX2B	Profile11
hsa-miR-320b	PHTF2	Profile11
hsa-miR-320c	PHTF2	Profile11
hsa-miR-29b-3p	PI15	Profile11
hsa-miR-29b-3p	PIAS4	Profile11
hsa-miR-203a-5p	PIGQ	Profile11
hsa-miR-29b-3p	PIK3R1	Profile11
hsa-miR-320b	PIK3R1	Profile11
hsa-miR-19b-3p	PIK3R3	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-34a-3p	PIP4K2A	Profile11
hsa-miR-29b-3p	PITPNM2	Profile11
hsa-miR-34a-5p	PKIA	Profile11
hsa-miR-34a-5p	PKNOX1	Profile11
hsa-miR-29b-3p	PKNOX2	Profile11
hsa-miR-34a-5p	PLA2G15	Profile11
hsa-miR-19b-1-5p	PLA2G4E	Profile11
hsa-miR-320b	PLAG1	Profile11
hsa-miR-320c	PLAG1	Profile11
hsa-miR-203a-5p	PLCG1	Profile11
hsa-miR-34a-5p	PLCG1	Profile11
hsa-miR-29b-3p	PLEKHA1	Profile11
hsa-miR-221-3p	PLEKHA6	Profile11
hsa-miR-6854-5p	PLEKHA8	Profile11
hsa-miR-203a-5p	PLEKHB2	Profile11
hsa-miR-203a-5p	PLEKHG1	Profile11
hsa-miR-29b-3p	PLEKHH2	Profile11
hsa-miR-339-5p	PLEKHH3	Profile11
hsa-miR-29b-3p	PLP1	Profile11
hsa-miR-29b-3p	PLSCR3	Profile11
hsa-miR-29b-3p	PLXNA1	Profile11
hsa-miR-203a-5p	PLXNA2	Profile11
hsa-miR-203a-5p	PLXNA4	Profile11
hsa-miR-221-3p	PLXNC1	Profile11
hsa-miR-320b	PLXNC1	Profile11
hsa-miR-320c	PLXNC1	Profile11
hsa-miR-19b-3p	PMEPA1	Profile11
hsa-miR-29b-3p	PMP22	Profile11
hsa-miR-339-5p	PODXL	Profile11
hsa-miR-6854-5p	PODXL	Profile11
hsa-miR-221-3p	POGZ	Profile11
hsa-miR-200a-5p	POLA1	Profile11
hsa-miR-320b	POLE3	Profile11
hsa-miR-320c	POLE3	Profile11
hsa-miR-320b	POLE4	Profile11
hsa-miR-320c	POLE4	Profile11
hsa-miR-203a-5p	POLR1B	Profile11
hsa-miR-29b-3p	POLR1D	Profile11
hsa-miR-203a-5p	POLR2L	Profile11
hsa-miR-203a-5p	POLR3H	Profile11
hsa-miR-203a-5p	POMGNT1	Profile11
hsa-miR-203a-5p	POMT1	Profile11
hsa-miR-320b	POU2F1	Profile11
hsa-miR-320c	POU2F1	Profile11
hsa-miR-320b	POU2F2	Profile11
hsa-miR-320c	POU2F2	Profile11
hsa-miR-339-5p	POU2F2	Profile11
hsa-miR-203a-5p	PPARGC1A	Profile11
hsa-miR-6854-5p	PPARGC1A	Profile11
hsa-miR-203a-5p	PPEF2	Profile11
hsa-miR-203a-5p	PPFIA2	Profile11
hsa-miR-19b-3p	PPFIA2	Profile11
hsa-miR-29b-3p	PPIC	Profile11
hsa-miR-200a-5p	PPM1A	Profile11
hsa-miR-34a-5p	PPM1A	Profile11
hsa-miR-29b-3p	PPM1D	Profile11
hsa-miR-203a-5p	PPM1F	Profile11
hsa-miR-34a-5p	PPP1R10	Profile11
hsa-miR-320b	PPP1R11	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-320c	PPP1R11	Profile11
hsa-miR-34a-5p	PPP1R11	Profile11
hsa-miR-203a-5p	PPP1R12B	Profile11
hsa-miR-29b-3p	PPP1R13B	Profile11
hsa-miR-4780	PPP1R14C	Profile11
hsa-miR-221-3p	PPP1R15B	Profile11
hsa-miR-320b	PPP1R16B	Profile11
hsa-miR-320c	PPP1R16B	Profile11
hsa-miR-34a-5p	PPP1R16B	Profile11
hsa-miR-203a-5p	PPP1R3B	Profile11
hsa-miR-203a-5p	PPP2R1B	Profile11
hsa-miR-320b	PPP2R2C	Profile11
hsa-miR-320c	PPP2R2C	Profile11
hsa-miR-34a-5p	PPP2R3A	Profile11
hsa-miR-320b	PPP2R5B	Profile11
hsa-miR-320c	PPP2R5B	Profile11
hsa-miR-221-3p	PPP2R5E	Profile11
hsa-miR-221-3p	PPP3R1	Profile11
hsa-miR-320b	PPPDE1	Profile11
hsa-miR-320c	PPPDE1	Profile11
hsa-miR-6854-5p	PPT1	Profile11
hsa-miR-203a-5p	PPTC7	Profile11
hsa-miR-203a-5p	PRDM10	Profile11
hsa-miR-203a-5p	PRDX3	Profile11
hsa-miR-34a-5p	PREB	Profile11
hsa-miR-7641	PRELID2	Profile11
hsa-miR-19b-3p	PRICKLE2	Profile11
hsa-miR-19b-3p	PRKAA1	Profile11
hsa-miR-29b-3p	PRKAB2	Profile11
hsa-miR-320b	PRKAG2	Profile11
hsa-miR-203a-5p	PRKCD	Profile11
hsa-miR-34a-5p	PRKCE	Profile11
hsa-miR-320b	PRKG1	Profile11
hsa-miR-320c	PRKG1	Profile11
hsa-miR-221-3p	PRKRA	Profile11
hsa-miR-29b-3p	PRKRA	Profile11
hsa-miR-203a-5p	PRLR	Profile11
hsa-miR-508-3p	PRLR	Profile11
hsa-miR-29b-3p	PRPF40A	Profile11
hsa-miR-203a-5p	PRPH2	Profile11
hsa-miR-203a-5p	PRSS23	Profile11
hsa-miR-221-3p	PRUNE	Profile11
hsa-miR-6854-5p	PSD	Profile11
hsa-miR-320b	PSKH1	Profile11
hsa-miR-320c	PSKH1	Profile11
hsa-miR-203a-5p	PSMF1	Profile11
hsa-miR-320b	PSMF1	Profile11
hsa-miR-19b-1-5p	PTAR1	Profile11
hsa-miR-203a-5p	PTCD3	Profile11
hsa-miR-221-3p	PTCHD1	Profile11
hsa-miR-320b	PTCHD2	Profile11
hsa-miR-320c	PTCHD2	Profile11
hsa-miR-19b-3p	PTEN	Profile11
hsa-miR-320b	PTEN	Profile11
hsa-miR-203a-5p	PTGER3	Profile11
hsa-miR-19b-3p	PTGES3	Profile11
hsa-miR-19b-3p	PTK2B	Profile11
hsa-miR-29b-3p	PTP4A1	Profile11
hsa-miR-320b	PTPLAD1	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-508-3p	PTPLAD1	Profile11
hsa-miR-29b-3p	PTX3	Profile11
hsa-miR-203a-5p	PUS3	Profile11
hsa-miR-1268a	PVRL1	Profile11
hsa-miR-34a-5p	PVRL1	Profile11
hsa-miR-203a-5p	PXMP4	Profile11
hsa-miR-203a-5p	QDPR	Profile11
hsa-miR-19b-1-5p	QKI	Profile11
hsa-miR-221-3p	QKI	Profile11
hsa-miR-29b-3p	QKI	Profile11
hsa-miR-320b	QKI	Profile11
hsa-miR-320c	QKI	Profile11
hsa-miR-320b	QSOX2	Profile11
hsa-miR-320c	QSOX2	Profile11
hsa-miR-508-3p	RAB12	Profile11
hsa-miR-203a-5p	RAB14	Profile11
hsa-miR-29b-3p	RAB14	Profile11
hsa-miR-19b-3p	RAB21	Profile11
hsa-miR-6854-5p	RAB24	Profile11
hsa-miR-320b	RAB27A	Profile11
hsa-miR-203a-5p	RAB39B	Profile11
hsa-miR-221-3p	RAB3GAP2	Profile11
hsa-miR-203a-5p	RAB3IP	Profile11
hsa-miR-34a-3p	RAB5B	Profile11
hsa-miR-203a-5p	RAB6B	Profile11
hsa-miR-29b-3p	RAB6B	Profile11
hsa-miR-203a-5p	RABGEF1	Profile11
hsa-miR-320b	RAC1	Profile11
hsa-miR-320c	RAC1	Profile11
hsa-miR-6854-5p	RAC2	Profile11
hsa-miR-203a-5p	RAD1	Profile11
hsa-miR-320b	RAD21	Profile11
hsa-miR-320c	RAD21	Profile11
hsa-miR-320b	RAD23B	Profile11
hsa-miR-508-3p	RAD23B	Profile11
hsa-miR-320b	RAD9A	Profile11
hsa-miR-320c	RAD9A	Profile11
hsa-miR-34a-5p	RALGDS	Profile11
hsa-miR-34a-5p	RALGPS1	Profile11
hsa-miR-19b-1-5p	RANBP10	Profile11
hsa-miR-34a-5p	RANBP10	Profile11
hsa-miR-19b-3p	RAP1A	Profile11
hsa-miR-508-3p	RAP2A	Profile11
hsa-miR-320b	RAP2C	Profile11
hsa-miR-320c	RAP2C	Profile11
hsa-miR-203a-5p	RAPGEF5	Profile11
hsa-miR-203a-5p	RAPGEF6	Profile11
hsa-miR-320b	RAPH1	Profile11
hsa-miR-320c	RAPH1	Profile11
hsa-miR-508-3p	RAPH1	Profile11
hsa-miR-203a-5p	RBBP4	Profile11
hsa-miR-221-3p	RBM24	Profile11
hsa-miR-203a-5p	RBM39	Profile11
hsa-miR-203a-5p	RBM5	Profile11
hsa-miR-34a-3p	RBMX	Profile11
hsa-miR-29b-3p	RCC2	Profile11
hsa-miR-203a-5p	RCOR1	Profile11
hsa-miR-29b-3p	RCOR1	Profile11
hsa-miR-203a-5p	RD3	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-5p	RDM1	Profile11
hsa-miR-221-3p	RECK	Profile11
hsa-miR-1268a	RECQL5	Profile11
hsa-miR-34a-5p	RET	Profile11
hsa-miR-29b-3p	REV3L	Profile11
hsa-miR-203a-5p	RFFL	Profile11
hsa-miR-19b-3p	RFX1	Profile11
hsa-miR-29b-3p	RFX7	Profile11
hsa-miR-29b-3p	RGAG4	Profile11
hsa-miR-203a-5p	RGL4	Profile11
hsa-miR-320b	RGS5	Profile11
hsa-miR-320c	RGS5	Profile11
hsa-miR-221-3p	RGS6	Profile11
hsa-miR-29b-3p	RHOBTB1	Profile11
hsa-miR-203a-5p	RHOBTB2	Profile11
hsa-miR-508-3p	RHOQ	Profile11
hsa-miR-203a-5p	RIC3	Profile11
hsa-miR-34a-5p	RIC8B	Profile11
hsa-miR-221-3p	RIMBP2	Profile11
hsa-miR-4780	RIMKLA	Profile11
hsa-miR-221-3p	RIMS3	Profile11
hsa-miR-34a-5p	RIMS3	Profile11
hsa-miR-221-3p	RIMS4	Profile11
hsa-miR-19b-3p	RIN2	Profile11
hsa-miR-203a-5p	RIOK2	Profile11
hsa-miR-203a-5p	RIOK3	Profile11
hsa-miR-203a-5p	RIPK1	Profile11
hsa-miR-29b-3p	RIT1	Profile11
hsa-miR-320b	RIT1	Profile11
hsa-miR-320c	RIT1	Profile11
hsa-miR-19b-1-5p	RLIM	Profile11
hsa-miR-508-3p	RMND1	Profile11
hsa-miR-203a-5p	RNASEH2A	Profile11
hsa-miR-508-3p	RNASEH2C	Profile11
hsa-miR-221-3p	RND2	Profile11
hsa-miR-19b-3p	RNF11	Profile11
hsa-miR-19b-3p	RNF111	Profile11
hsa-miR-6854-5p	RNF112	Profile11
hsa-miR-6854-5p	RNF123	Profile11
hsa-miR-34a-3p	RNF125	Profile11
hsa-miR-29b-3p	RNF138	Profile11
hsa-miR-29b-3p	RNF141	Profile11
hsa-miR-4780	RNF144A	Profile11
hsa-miR-320b	RNF150	Profile11
hsa-miR-320c	RNF150	Profile11
hsa-miR-34a-5p	RNF165	Profile11
hsa-miR-29b-3p	RNF169	Profile11
hsa-miR-339-5p	RNF169	Profile11
hsa-miR-6854-5p	RNF169	Profile11
hsa-miR-203a-5p	RNF213	Profile11
hsa-miR-34a-5p	RNF213	Profile11
hsa-miR-29b-3p	RNF39	Profile11
hsa-miR-221-3p	RNF4	Profile11
hsa-miR-339-5p	RNF41	Profile11
hsa-miR-34a-5p	RNF44	Profile11
hsa-miR-203a-5p	RNF8	Profile11
hsa-miR-6854-5p	RNF8	Profile11
hsa-miR-29b-3p	ROBO1	Profile11
hsa-miR-19b-3p	ROBO2	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-221-3p	ROD1	Profile11
hsa-miR-29b-3p	ROD1	Profile11
hsa-miR-4780	ROD1	Profile11
hsa-miR-203a-5p	RORA	Profile11
hsa-miR-19b-3p	RORA	Profile11
hsa-miR-29b-3p	RORA	Profile11
hsa-miR-34a-5p	RORA	Profile11
hsa-miR-203a-5p	RPL22L1	Profile11
hsa-miR-203a-5p	RPL27A	Profile11
hsa-miR-203a-5p	RPL31	Profile11
hsa-miR-19b-1-5p	RPP14	Profile11
hsa-miR-4780	RPRD2	Profile11
hsa-miR-203a-5p	RPS3A	Profile11
hsa-miR-203a-5p	RPS6KA1	Profile11
hsa-miR-19b-3p	RPS6KA2	Profile11
hsa-miR-34a-5p	RPS6KA4	Profile11
hsa-miR-203a-5p	RPS6KL1	Profile11
hsa-miR-203a-5p	RSBN1	Profile11
hsa-miR-491-5p	RSBN1	Profile11
hsa-miR-508-3p	RSBN1	Profile11
hsa-miR-221-3p	RSBN1L	Profile11
hsa-miR-203a-5p	RSF1	Profile11
hsa-miR-34a-5p	RSPO4	Profile11
hsa-miR-6854-5p	RTN2	Profile11
hsa-miR-7641	RUFY3	Profile11
hsa-miR-4780	RUNX1T1	Profile11
hsa-miR-203a-5p	RWDD2B	Profile11
hsa-miR-320b	RXRA	Profile11
hsa-miR-320c	RXRA	Profile11
hsa-miR-6854-5p	S100B	Profile11
hsa-miR-19b-3p	S1PR1	Profile11
hsa-miR-508-3p	SALL4	Profile11
hsa-miR-34a-5p	SAMD12	Profile11
hsa-miR-19b-1-5p	SAP30L	Profile11
hsa-miR-320b	SASH1	Profile11
hsa-miR-320c	SASH1	Profile11
hsa-miR-34a-5p	SATB1	Profile11
hsa-miR-508-3p	SATB1	Profile11
hsa-miR-34a-5p	SATB2	Profile11
hsa-miR-29b-3p	SBF2	Profile11
hsa-miR-221-3p	SBK1	Profile11
hsa-miR-19b-3p	SC4MOL	Profile11
hsa-miR-339-5p	SCAMP2	Profile11
hsa-miR-29b-3p	SCAMP5	Profile11
hsa-miR-339-5p	SCAMP5	Profile11
hsa-miR-29b-3p	SCML2	Profile11
hsa-miR-203a-5p	SCN11A	Profile11
hsa-miR-34a-5p	SCN1A	Profile11
hsa-miR-19b-3p	SCN1B	Profile11
hsa-miR-34a-5p	SCN2B	Profile11
hsa-miR-203a-5p	SCN4A	Profile11
hsa-miR-19b-3p	SCN4B	Profile11
hsa-miR-203a-5p	SCNM1	Profile11
hsa-miR-6854-5p	SCUBE2	Profile11
hsa-miR-203a-5p	SCYL2	Profile11
hsa-miR-34a-3p	SCYL2	Profile11
hsa-miR-203a-5p	SDC4	Profile11
hsa-miR-203a-5p	SDK1	Profile11
hsa-miR-19b-1-5p	SDK1	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-320b	SDK1	Profile11
hsa-miR-320c	SDK1	Profile11
hsa-miR-203a-5p	SEC22C	Profile11
hsa-miR-29b-3p	SEC23A	Profile11
hsa-miR-221-3p	SEC62	Profile11
hsa-miR-19b-3p	SEC63	Profile11
hsa-miR-320b	SEC63	Profile11
hsa-miR-320c	SEC63	Profile11
hsa-miR-6854-5p	SEC63	Profile11
hsa-miR-320b	SEMA3A	Profile11
hsa-miR-320c	SEMA3A	Profile11
hsa-miR-19b-3p	SEMA4C	Profile11
hsa-miR-34a-5p	SEMA4C	Profile11
hsa-miR-34a-5p	SEMA4F	Profile11
hsa-miR-203a-5p	SEMA5A	Profile11
hsa-miR-19b-1-5p	SEMA6A	Profile11
hsa-miR-6854-5p	SEMA6A	Profile11
hsa-miR-6854-5p	SEN2	Profile11
hsa-miR-320b	SEPN1	Profile11
hsa-miR-320c	SEPN1	Profile11
hsa-miR-29b-3p	SERBP1	Profile11
hsa-miR-203a-5p	SERINC4	Profile11
hsa-miR-320b	SESN2	Profile11
hsa-miR-203a-5p	SESTD1	Profile11
hsa-miR-29b-3p	SESTD1	Profile11
hsa-miR-508-3p	SETD7	Profile11
hsa-miR-29b-3p	SETDB1	Profile11
hsa-miR-6854-5p	SETDB2	Profile11
hsa-miR-203a-5p	SETX	Profile11
hsa-miR-19b-1-5p	SEZ6L	Profile11
hsa-miR-203a-5p	SF1	Profile11
hsa-miR-34a-5p	SFMBT2	Profile11
hsa-miR-320b	SFTA3	Profile11
hsa-miR-320c	SFTA3	Profile11
hsa-miR-19b-3p	SGCD	Profile11
hsa-miR-339-5p	SGCD	Profile11
hsa-miR-29b-3p	SGK1	Profile11
hsa-miR-29b-3p	SGMS2	Profile11
hsa-miR-34a-5p	SGPP1	Profile11
hsa-miR-203a-5p	SGSM1	Profile11
hsa-miR-34a-5p	SGSM2	Profile11
hsa-miR-203a-5p	SGSM3	Profile11
hsa-miR-320b	SH2B3	Profile11
hsa-miR-320c	SH2B3	Profile11
hsa-miR-4780	SH2D4B	Profile11
hsa-miR-203a-5p	SH3GLB1	Profile11
hsa-miR-4780	SH3PXD2A	Profile11
hsa-miR-6854-5p	SH3PXD2A	Profile11
hsa-miR-29b-3p	SH3PXD2B	Profile11
hsa-miR-221-3p	SHANK2	Profile11
hsa-miR-19b-3p	SHCBP1	Profile11
hsa-miR-203a-5p	SHROOM2	Profile11
hsa-miR-29b-3p	SHROOM2	Profile11
hsa-miR-203a-5p	SHROOM4	Profile11
hsa-miR-4780	SHROOM4	Profile11
hsa-miR-29b-3p	SIAH3	Profile11
hsa-miR-34a-5p	SIDT1	Profile11
hsa-miR-29b-3p	SIDT2	Profile11
hsa-miR-34a-5p	SIDT2	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-320b	SIN3A	Profile11
hsa-miR-34a-5p	SIRT6	Profile11
hsa-miR-320b	SKAP2	Profile11
hsa-miR-34a-5p	SKI	Profile11
hsa-miR-34a-3p	SLC12A2	Profile11
hsa-miR-29b-3p	SLC16A1	Profile11
hsa-miR-203a-5p	SLC16A13	Profile11
hsa-miR-29b-3p	SLC16A14	Profile11
hsa-miR-203a-5p	SLC16A2	Profile11
hsa-miR-34a-5p	SLC16A2	Profile11
hsa-miR-29b-3p	SLC1A2	Profile11
hsa-miR-339-5p	SLC22A17	Profile11
hsa-miR-29b-3p	SLC22A7	Profile11
hsa-miR-203a-5p	SLC24A4	Profile11
hsa-miR-6854-5p	SLC24A4	Profile11
hsa-miR-203a-5p	SLC25A12	Profile11
hsa-miR-29b-3p	SLC25A22	Profile11
hsa-miR-203a-5p	SLC25A23	Profile11
hsa-miR-6854-5p	SLC25A23	Profile11
hsa-miR-203a-5p	SLC25A27	Profile11
hsa-miR-203a-5p	SLC25A34	Profile11
hsa-miR-19b-3p	SLC25A34	Profile11
hsa-miR-320b	SLC25A36	Profile11
hsa-miR-203a-5p	SLC25A44	Profile11
hsa-miR-4780	SLC29A3	Profile11
hsa-miR-34a-5p	SLC2A13	Profile11
hsa-miR-203a-5p	SLC2A4RG	Profile11
hsa-miR-34a-5p	SLC2A4RG	Profile11
hsa-miR-203a-5p	SLC31A1	Profile11
hsa-miR-34a-5p	SLC31A2	Profile11
hsa-miR-29b-3p	SLC35B2	Profile11
hsa-miR-320b	SLC35C1	Profile11
hsa-miR-320c	SLC35C1	Profile11
hsa-miR-19b-1-5p	SLC35F1	Profile11
hsa-miR-29b-3p	SLC36A1	Profile11
hsa-miR-508-3p	SLC36A1	Profile11
hsa-miR-7641	SLC36A4	Profile11
hsa-miR-203a-5p	SLC38A1	Profile11
hsa-miR-6854-5p	SLC39A1	Profile11
hsa-miR-6854-5p	SLC44A5	Profile11
hsa-miR-203a-5p	SLC47A2	Profile11
hsa-miR-320b	SLC48A1	Profile11
hsa-miR-320c	SLC48A1	Profile11
hsa-miR-34a-5p	SLC4A7	Profile11
hsa-miR-19b-3p	SLC5A7	Profile11
hsa-miR-203a-5p	SLC6A14	Profile11
hsa-miR-203a-5p	SLC6A16	Profile11
hsa-miR-29b-3p	SLC6A17	Profile11
hsa-miR-34a-5p	SLC6A17	Profile11
hsa-miR-203a-5p	SLC6A6	Profile11
hsa-miR-19b-3p	SLC6A8	Profile11
hsa-miR-320b	SLC6A8	Profile11
hsa-miR-7641	SLC7A14	Profile11
hsa-miR-200a-5p	SLC7A2	Profile11
hsa-miR-34a-5p	SLC7A2	Profile11
hsa-miR-1268a	SLC8A2	Profile11
hsa-miR-19b-3p	SLC9A6	Profile11
hsa-miR-203a-5p	SLCO1A2	Profile11
hsa-miR-320b	SLCO1A2	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-320c	SLCO1A2	Profile11
hsa-miR-34a-5p	SLCO3A1	Profile11
hsa-miR-19b-1-5p	SLITRK4	Profile11
hsa-miR-6854-5p	SMAD2	Profile11
hsa-miR-320b	SMAD4	Profile11
hsa-miR-34a-3p	SMAD4	Profile11
hsa-miR-320b	SMAP1	Profile11
hsa-miR-320c	SMAP1	Profile11
hsa-miR-203a-5p	SMAP2	Profile11
hsa-miR-320b	SMAP2	Profile11
hsa-miR-320c	SMAP2	Profile11
hsa-miR-6854-5p	SMARCC1	Profile11
hsa-miR-203a-5p	SMC1A	Profile11
hsa-miR-6854-5p	SMCR7L	Profile11
hsa-miR-6854-5p	SMCR8	Profile11
hsa-miR-508-3p	SMEK1	Profile11
hsa-miR-29b-3p	SMEK2	Profile11
hsa-miR-7641	SMEK2	Profile11
hsa-miR-4780	SMG1	Profile11
hsa-miR-221-3p	SMG6	Profile11
hsa-miR-19b-3p	SMOC2	Profile11
hsa-miR-4780	SMPD3	Profile11
hsa-miR-320b	SMU1	Profile11
hsa-miR-320c	SMU1	Profile11
hsa-miR-203a-5p	SMURF1	Profile11
hsa-miR-320b	SND1	Profile11
hsa-miR-320c	SND1	Profile11
hsa-miR-29b-3p	SNIP1	Profile11
hsa-miR-203a-5p	SNPH	Profile11
hsa-miR-203a-5p	SNRNP48	Profile11
hsa-miR-320b	SNTB1	Profile11
hsa-miR-320b	SNTB2	Profile11
hsa-miR-320c	SNTB2	Profile11
hsa-miR-34a-5p	SNTB2	Profile11
hsa-miR-203a-5p	SNX1	Profile11
hsa-miR-34a-5p	SNX15	Profile11
hsa-miR-320b	SNX16	Profile11
hsa-miR-320c	SNX16	Profile11
hsa-miR-19b-3p	SNX18	Profile11
hsa-miR-29b-3p	SNX24	Profile11
hsa-miR-203a-5p	SNX27	Profile11
hsa-miR-339-5p	SNX27	Profile11
hsa-miR-203a-5p	SNX29	Profile11
hsa-miR-203a-5p	SNX30	Profile11
hsa-miR-19b-1-5p	SNX30	Profile11
hsa-miR-320b	SOBP	Profile11
hsa-miR-320c	SOBP	Profile11
hsa-miR-221-3p	SOCS3	Profile11
hsa-miR-203a-5p	SOD2	Profile11
hsa-miR-6854-5p	SOLH	Profile11
hsa-miR-320b	SORBS2	Profile11
hsa-miR-320b	SORCS1	Profile11
hsa-miR-320c	SORCS1	Profile11
hsa-miR-203a-5p	SORT1	Profile11
hsa-miR-19b-3p	SOX6	Profile11
hsa-miR-7641	SP1	Profile11
hsa-miR-203a-5p	SP3	Profile11
hsa-miR-200a-5p	SP3	Profile11
hsa-miR-34a-3p	SP4	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-203a-5p	SPAG6	Profile11
hsa-miR-320b	SPATA18	Profile11
hsa-miR-320c	SPATA18	Profile11
hsa-miR-19b-3p	SPHK2	Profile11
hsa-miR-491-5p	SPIB	Profile11
hsa-miR-508-3p	SPIN3	Profile11
hsa-miR-203a-5p	SPN	Profile11
hsa-miR-6854-5p	SPN	Profile11
hsa-miR-6854-5p	SPOCK2	Profile11
hsa-miR-29b-3p	SPPL2B	Profile11
hsa-miR-34a-5p	SPRED1	Profile11
hsa-miR-19b-3p	SPRYD3	Profile11
hsa-miR-203a-5p	SPTB	Profile11
hsa-miR-34a-5p	SPTB	Profile11
hsa-miR-203a-5p	SPTLC2	Profile11
hsa-miR-29b-3p	SPTY2D1	Profile11
hsa-miR-508-3p	SPTY2D1	Profile11
hsa-miR-203a-5p	SRA1	Profile11
hsa-miR-34a-5p	SRC	Profile11
hsa-miR-29b-3p	SRCRB4D	Profile11
hsa-miR-203a-5p	SRF	Profile11
hsa-miR-491-5p	SRGAP3	Profile11
hsa-miR-34a-5p	SRPR	Profile11
hsa-miR-203a-5p	SRXN1	Profile11
hsa-miR-19b-3p	ST3GAL5	Profile11
hsa-miR-320b	ST6GAL2	Profile11
hsa-miR-320b	ST7	Profile11
hsa-miR-320c	ST7	Profile11
hsa-miR-203a-5p	ST7L	Profile11
hsa-miR-29b-3p	ST7L	Profile11
hsa-miR-34a-5p	ST8SIA3	Profile11
hsa-miR-29b-3p	STAMBP	Profile11
hsa-miR-339-5p	STARD13	Profile11
hsa-miR-320b	STIM2	Profile11
hsa-miR-203a-5p	STK10	Profile11
hsa-miR-200a-5p	STK38L	Profile11
hsa-miR-491-5p	STK4	Profile11
hsa-miR-29b-3p	STX16	Profile11
hsa-miR-29b-3p	STX17	Profile11
hsa-miR-29b-3p	STX1A	Profile11
hsa-miR-34a-5p	STX1A	Profile11
hsa-miR-320b	STX3	Profile11
hsa-miR-320c	STX3	Profile11
hsa-miR-1268a	STXBP1	Profile11
hsa-miR-221-3p	STYX	Profile11
hsa-miR-29b-3p	SUB1	Profile11
hsa-miR-508-3p	SUB1	Profile11
hsa-miR-19b-3p	SULF1	Profile11
hsa-miR-203a-5p	SUPT7L	Profile11
hsa-miR-19b-1-5p	SUSD5	Profile11
hsa-miR-29b-3p	SUV420H2	Profile11
hsa-miR-19b-3p	SUZ12	Profile11
hsa-miR-29b-3p	SVEP1	Profile11
hsa-miR-203a-5p	SYDE2	Profile11
hsa-miR-34a-5p	SYN2	Profile11
hsa-miR-221-3p	SYNCRIP	Profile11
hsa-miR-29b-3p	SYNCRIP	Profile11
hsa-miR-320b	SYNCRIP	Profile11
hsa-miR-320c	SYNCRIP	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-339-5p	SYNGAP1	Profile11
hsa-miR-320b	SYNGR2	Profile11
hsa-miR-320c	SYNGR2	Profile11
hsa-miR-6854-5p	SYNM	Profile11
hsa-miR-29b-3p	SYPL2	Profile11
hsa-miR-6854-5p	SYS1	Profile11
hsa-miR-34a-5p	SYT1	Profile11
hsa-miR-6854-5p	SYT1	Profile11
hsa-miR-34a-3p	SYT11	Profile11
hsa-miR-19b-3p	SYT6	Profile11
hsa-miR-491-5p	SYT7	Profile11
hsa-miR-34a-5p	SYT9	Profile11
hsa-miR-4780	SYT9	Profile11
hsa-miR-34a-5p	SYVN1	Profile11
hsa-miR-29b-3p	TACC1	Profile11
hsa-miR-508-3p	TACC1	Profile11
hsa-miR-221-3p	TACR1	Profile11
hsa-miR-29b-3p	TADA2B	Profile11
hsa-miR-29b-3p	TAF11	Profile11
hsa-miR-19b-3p	TAF4	Profile11
hsa-miR-34a-5p	TAF5	Profile11
hsa-miR-320b	TANC2	Profile11
hsa-miR-320c	TANC2	Profile11
hsa-miR-34a-5p	TANC2	Profile11
hsa-miR-4780	TANC2	Profile11
hsa-miR-203a-5p	TAP1	Profile11
hsa-miR-203a-5p	TAP2	Profile11
hsa-miR-203a-5p	TAX1BP3	Profile11
hsa-miR-34a-5p	TBC1D13	Profile11
hsa-miR-34a-5p	TBC1D25	Profile11
hsa-miR-203a-5p	TBC1D4	Profile11
hsa-miR-19b-3p	TBC1D8	Profile11
hsa-miR-4780	TBL1X	Profile11
hsa-miR-320b	TBL1XR1	Profile11
hsa-miR-34a-5p	TBL1XR1	Profile11
hsa-miR-203a-5p	TBRG4	Profile11
hsa-miR-29b-3p	TBX21	Profile11
hsa-miR-203a-5p	TCERG1	Profile11
hsa-miR-221-3p	TCF12	Profile11
hsa-miR-19b-1-5p	TCF4	Profile11
hsa-miR-221-3p	TCF4	Profile11
hsa-miR-203a-5p	TCHP	Profile11
hsa-miR-203a-5p	TCP11L2	Profile11
hsa-miR-29b-3p	TDG	Profile11
hsa-miR-203a-5p	TERF2	Profile11
hsa-miR-203a-5p	TET2	Profile11
hsa-miR-29b-3p	TET2	Profile11
hsa-miR-6854-5p	TET2	Profile11
hsa-miR-29b-3p	TET3	Profile11
hsa-miR-6854-5p	TET3	Profile11
hsa-miR-29b-3p	TFAP2C	Profile11
hsa-miR-203a-5p	TFCP2L1	Profile11
hsa-miR-320b	TFCP2L1	Profile11
hsa-miR-34a-5p	TFCP2L1	Profile11
hsa-miR-19b-3p	TFDP2	Profile11
hsa-miR-19b-3p	TFPI	Profile11
hsa-miR-29b-3p	TGFB2	Profile11
hsa-miR-203a-5p	TGFBI	Profile11
hsa-miR-203a-5p	TGM2	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-19b-3p	TGOLN2	Profile11
hsa-miR-320b	TGOLN2	Profile11
hsa-miR-320c	TGOLN2	Profile11
hsa-miR-6854-5p	TGOLN2	Profile11
hsa-miR-203a-5p	THAP11	Profile11
hsa-miR-203a-5p	THAP5	Profile11
hsa-miR-29b-3p	THSD4	Profile11
hsa-miR-6854-5p	THSD4	Profile11
hsa-miR-203a-5p	THUMPD1	Profile11
hsa-miR-203a-5p	TIFA	Profile11
hsa-miR-29b-3p	TIMM8B	Profile11
hsa-miR-320b	TIPARP	Profile11
hsa-miR-320b	TLK2	Profile11
hsa-miR-320c	TLK2	Profile11
hsa-miR-29b-3p	TLL1	Profile11
hsa-miR-203a-5p	TM9SF3	Profile11
hsa-miR-19b-3p	TMBIM6	Profile11
hsa-miR-34a-3p	TMBIM6	Profile11
hsa-miR-34a-5p	TMEM104	Profile11
hsa-miR-34a-5p	TMEM109	Profile11
hsa-miR-339-5p	TMEM119	Profile11
hsa-miR-203a-5p	TMEM132D	Profile11
hsa-miR-7641	TMEM156	Profile11
hsa-miR-29b-3p	TMEM163	Profile11
hsa-miR-19b-3p	TMEM167B	Profile11
hsa-miR-320b	TMEM167B	Profile11
hsa-miR-29b-3p	TMEM169	Profile11
hsa-miR-19b-1-5p	TMEM178	Profile11
hsa-miR-339-5p	TMEM183A	Profile11
hsa-miR-203a-5p	TMEM19	Profile11
hsa-miR-19b-3p	TMEM196	Profile11
hsa-miR-29b-3p	TMEM201	Profile11
hsa-miR-320b	TMEM47	Profile11
hsa-miR-320c	TMEM47	Profile11
hsa-miR-203a-5p	TMEM50A	Profile11
hsa-miR-34a-3p	TMEM53	Profile11
hsa-miR-34a-5p	TMEM55A	Profile11
hsa-miR-203a-5p	TMEM55B	Profile11
hsa-miR-29b-3p	TMEM65	Profile11
hsa-miR-203a-5p	TMEM71	Profile11
hsa-miR-34a-5p	TMEM97	Profile11
hsa-miR-34a-5p	TMOD2	Profile11
hsa-miR-203a-5p	TMTC1	Profile11
hsa-miR-29b-3p	TMTC3	Profile11
hsa-miR-19b-3p	TNFAIP3	Profile11
hsa-miR-19b-3p	TNFRSF12A	Profile11
hsa-miR-203a-5p	TNFRSF14	Profile11
hsa-miR-34a-5p	TNKS	Profile11
hsa-miR-6854-5p	TNNI1	Profile11
hsa-miR-203a-5p	TNPO2	Profile11
hsa-miR-339-5p	TNPO3	Profile11
hsa-miR-29b-3p	TNRC18	Profile11
hsa-miR-34a-5p	TNRC18	Profile11
hsa-miR-19b-3p	TNRC6B	Profile11
hsa-miR-221-3p	TNRC6B	Profile11
hsa-miR-34a-5p	TNRC6B	Profile11
hsa-miR-339-5p	TNRC6C	Profile11
hsa-miR-34a-5p	TOB2	Profile11
hsa-miR-508-3p	TOB2	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-320b	TOR1AIP2	Profile11
hsa-miR-320c	TOR1AIP2	Profile11
hsa-miR-19b-3p	TOR1B	Profile11
hsa-miR-221-3p	TP53BP2	Profile11
hsa-miR-203a-5p	TP53I11	Profile11
hsa-miR-19b-1-5p	TP53I11	Profile11
hsa-miR-19b-3p	TP53INP1	Profile11
hsa-miR-29b-3p	TP53INP1	Profile11
hsa-miR-29b-3p	TP53INP2	Profile11
hsa-miR-203a-5p	TP63	Profile11
hsa-miR-34a-5p	TP73	Profile11
hsa-miR-203a-5p	TPCN1	Profile11
hsa-miR-508-3p	TPCN1	Profile11
hsa-miR-339-5p	TPD52L2	Profile11
hsa-miR-203a-5p	TPI1	Profile11
hsa-miR-29b-3p	TPK1	Profile11
hsa-miR-29b-3p	TPM1	Profile11
hsa-miR-29b-3p	TRA2B	Profile11
hsa-miR-320b	TRAF7	Profile11
hsa-miR-320c	TRAF7	Profile11
hsa-miR-19b-3p	TRAK2	Profile11
hsa-miR-221-3p	TRAM2	Profile11
hsa-miR-29b-3p	TRIB2	Profile11
hsa-miR-203a-5p	TRIM21	Profile11
hsa-miR-203a-5p	TRIM34	Profile11
hsa-miR-320b	TRIM41	Profile11
hsa-miR-320c	TRIM41	Profile11
hsa-miR-34a-3p	TRIM44	Profile11
hsa-miR-29b-3p	TRIM66	Profile11
hsa-miR-203a-5p	TRIM67	Profile11
hsa-miR-34a-5p	TRIM67	Profile11
hsa-miR-4780	TRIM67	Profile11
hsa-miR-29b-3p	TRIM9	Profile11
hsa-miR-491-5p	TRIOBP	Profile11
hsa-miR-203a-5p	TRIP13	Profile11
hsa-miR-339-5p	TRPC3	Profile11
hsa-miR-203a-5p	TRPM1	Profile11
hsa-miR-19b-3p	TRPM6	Profile11
hsa-miR-19b-1-5p	TRPS1	Profile11
hsa-miR-320b	TSC1	Profile11
hsa-miR-320c	TSC1	Profile11
hsa-miR-6854-5p	TSC22D2	Profile11
hsa-miR-320b	TSC22D4	Profile11
hsa-miR-320c	TSC22D4	Profile11
hsa-miR-34a-5p	TSN	Profile11
hsa-miR-203a-5p	TSPAN11	Profile11
hsa-miR-203a-5p	TSPAN14	Profile11
hsa-miR-29b-3p	TSPAN14	Profile11
hsa-miR-6854-5p	TSPAN3	Profile11
hsa-miR-6854-5p	TSPAN5	Profile11
hsa-miR-320b	TSPYL5	Profile11
hsa-miR-320c	TSPYL5	Profile11
hsa-miR-203a-5p	TTC13	Profile11
hsa-miR-34a-5p	TTC19	Profile11
hsa-miR-203a-5p	TTC33	Profile11
hsa-miR-203a-5p	TTC37	Profile11
hsa-miR-4780	TTL	Profile11
hsa-miR-203a-5p	TTYH2	Profile11
hsa-miR-19b-1-5p	TUB	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-19b-3p	TUB	Profile11
hsa-miR-339-5p	TUBG1	Profile11
hsa-miR-203a-5p	TUBGCP5	Profile11
hsa-miR-320b	TWF1	Profile11
hsa-miR-320c	TWF1	Profile11
hsa-miR-19b-3p	TXK	Profile11
hsa-miR-203a-5p	UBA52	Profile11
hsa-miR-203a-5p	UBAP1	Profile11
hsa-miR-19b-3p	UBAP2L	Profile11
hsa-miR-203a-5p	UBASH3B	Profile11
hsa-miR-508-3p	UBASH3B	Profile11
hsa-miR-203a-5p	UBE2B	Profile11
hsa-miR-203a-5p	UBE2D4	Profile11
hsa-miR-339-5p	UBE3A	Profile11
hsa-miR-29b-3p	UBFD1	Profile11
hsa-miR-29b-3p	UBN2	Profile11
hsa-miR-339-5p	UBN2	Profile11
hsa-miR-34a-5p	UBN2	Profile11
hsa-miR-34a-5p	UBP1	Profile11
hsa-miR-200a-5p	UBQLN2	Profile11
hsa-miR-203a-5p	UBTD1	Profile11
hsa-miR-6854-5p	UBTF	Profile11
hsa-miR-203a-5p	UBXN10	Profile11
hsa-miR-6854-5p	UCK2	Profile11
hsa-miR-203a-5p	UGDH	Profile11
hsa-miR-203a-5p	UHRF1BP1	Profile11
hsa-miR-6854-5p	UHRF1BP1	Profile11
hsa-miR-34a-5p	UHRF2	Profile11
hsa-miR-320b	ULK1	Profile11
hsa-miR-320c	ULK1	Profile11
hsa-miR-19b-3p	ULK2	Profile11
hsa-miR-29b-3p	UNC13B	Profile11
hsa-miR-320b	UNC5A	Profile11
hsa-miR-320c	UNC5A	Profile11
hsa-miR-6854-5p	UNC5A	Profile11
hsa-miR-29b-3p	UPK1B	Profile11
hsa-miR-34a-3p	UQCC	Profile11
hsa-miR-339-5p	USF2	Profile11
hsa-miR-200a-5p	USP22	Profile11
hsa-miR-203a-5p	USP31	Profile11
hsa-miR-29b-3p	USP34	Profile11
hsa-miR-19b-3p	USP37	Profile11
hsa-miR-320b	USP46	Profile11
hsa-miR-320c	USP46	Profile11
hsa-miR-19b-3p	USP6	Profile11
hsa-miR-19b-3p	UTY	Profile11
hsa-miR-203a-5p	VAMP1	Profile11
hsa-miR-19b-3p	VAMP1	Profile11
hsa-miR-34a-5p	VAMP2	Profile11
hsa-miR-29b-3p	VANGL1	Profile11
hsa-miR-19b-3p	VAPA	Profile11
hsa-miR-508-3p	VAPA	Profile11
hsa-miR-221-3p	VASH1	Profile11
hsa-miR-29b-3p	VASH2	Profile11
hsa-miR-339-5p	VAT1	Profile11
hsa-miR-34a-5p	VAT1	Profile11
hsa-miR-19b-3p	VAT1L	Profile11
hsa-miR-19b-3p	VAV2	Profile11
hsa-miR-29b-3p	VCL	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-34a-5p	VCL	Profile11
hsa-miR-19b-3p	VGLL4	Profile11
hsa-miR-221-3p	VGLL4	Profile11
hsa-miR-320b	VLDLR	Profile11
hsa-miR-320c	VLDLR	Profile11
hsa-miR-29b-3p	VPS13C	Profile11
hsa-miR-19b-3p	VPS13D	Profile11
hsa-miR-19b-3p	VPS37B	Profile11
hsa-miR-320b	VPS37B	Profile11
hsa-miR-34a-5p	VPS37B	Profile11
hsa-miR-29b-3p	VPS37C	Profile11
hsa-miR-6854-5p	VPS37D	Profile11
hsa-miR-320b	VPS39	Profile11
hsa-miR-320c	VPS39	Profile11
hsa-miR-19b-3p	VPS4B	Profile11
hsa-miR-203a-5p	VPS53	Profile11
hsa-miR-6854-5p	VTI1A	Profile11
hsa-miR-203a-5p	VTI1B	Profile11
hsa-miR-34a-5p	VWA5B2	Profile11
hsa-miR-320b	WARS2	Profile11
hsa-miR-34a-5p	WASF1	Profile11
hsa-miR-29b-3p	WDFY1	Profile11
hsa-miR-203a-5p	WDR12	Profile11
hsa-miR-29b-3p	WDR26	Profile11
hsa-miR-7641	WDR26	Profile11
hsa-miR-203a-5p	WDR31	Profile11
hsa-miR-29b-3p	WDR33	Profile11
hsa-miR-29b-3p	WDR81	Profile11
hsa-miR-221-3p	WEE1	Profile11
hsa-miR-200a-5p	WHSC1	Profile11
hsa-miR-19b-3p	WHSC1L1	Profile11
hsa-miR-19b-3p	WIPF3	Profile11
hsa-miR-320b	WIPF3	Profile11
hsa-miR-320c	WIPF3	Profile11
hsa-miR-29b-3p	WISP1	Profile11
hsa-miR-200a-5p	WNK1	Profile11
hsa-miR-34a-5p	WNT1	Profile11
hsa-miR-203a-5p	WNT4	Profile11
hsa-miR-34a-5p	WSCD2	Profile11
hsa-miR-320b	WTAP	Profile11
hsa-miR-320c	WTAP	Profile11
hsa-miR-203a-5p	XIAP	Profile11
hsa-miR-19b-1-5p	XIAP	Profile11
hsa-miR-320b	XIAP	Profile11
hsa-miR-320c	XIAP	Profile11
hsa-miR-29b-3p	XKR4	Profile11
hsa-miR-29b-3p	XKR6	Profile11
hsa-miR-320b	XKRX	Profile11
hsa-miR-320c	XKRX	Profile11
hsa-miR-320b	XPO1	Profile11
hsa-miR-320c	XPO1	Profile11
hsa-miR-29b-3p	XPO4	Profile11
hsa-miR-29b-3p	XRN1	Profile11
hsa-miR-34a-5p	XYLT1	Profile11
hsa-miR-200a-5p	YAF2	Profile11
hsa-miR-320b	YIPF5	Profile11
hsa-miR-203a-5p	YWHAE	Profile11
hsa-miR-203a-5p	YWHAG	Profile11
hsa-miR-320b	YWHAG	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-320c	YWHAG	Profile11
hsa-miR-320b	YWHAQ	Profile11
hsa-miR-320c	YWHAQ	Profile11
hsa-miR-320b	YWHAZ	Profile11
hsa-miR-320c	YWHAZ	Profile11
hsa-miR-29b-3p	YY1	Profile11
hsa-miR-221-3p	ZADH2	Profile11
hsa-miR-19b-3p	ZBTB11	Profile11
hsa-miR-29b-3p	ZBTB34	Profile11
hsa-miR-19b-3p	ZBTB4	Profile11
hsa-miR-491-5p	ZBTB4	Profile11
hsa-miR-29b-3p	ZBTB40	Profile11
hsa-miR-203a-5p	ZBTB41	Profile11
hsa-miR-29b-3p	ZBTB41	Profile11
hsa-miR-29b-3p	ZBTB43	Profile11
hsa-miR-339-5p	ZBTB43	Profile11
hsa-miR-508-3p	ZBTB43	Profile11
hsa-miR-508-3p	ZBTB44	Profile11
hsa-miR-34a-5p	ZBTB46	Profile11
hsa-miR-19b-3p	ZBTB47	Profile11
hsa-miR-29b-3p	ZBTB5	Profile11
hsa-miR-339-5p	ZBTB7B	Profile11
hsa-miR-203a-5p	ZC3H12C	Profile11
hsa-miR-200a-5p	ZC3H12C	Profile11
hsa-miR-320b	ZC3H12C	Profile11
hsa-miR-203a-5p	ZC3H6	Profile11
hsa-miR-320b	ZC3H7B	Profile11
hsa-miR-320c	ZC3H7B	Profile11
hsa-miR-491-5p	ZC3H7B	Profile11
hsa-miR-29b-3p	ZCCHC17	Profile11
hsa-miR-34a-5p	ZCCHC17	Profile11
hsa-miR-320b	ZCCHC2	Profile11
hsa-miR-320c	ZCCHC2	Profile11
hsa-miR-34a-5p	ZDHHC16	Profile11
hsa-miR-34a-5p	ZDHHC17	Profile11
hsa-miR-320b	ZDHHC21	Profile11
hsa-miR-320c	ZDHHC21	Profile11
hsa-miR-339-5p	ZDHHC22	Profile11
hsa-miR-19b-1-5p	ZDHHC3	Profile11
hsa-miR-320b	ZDHHC3	Profile11
hsa-miR-320c	ZDHHC3	Profile11
hsa-miR-19b-3p	ZDHHC7	Profile11
hsa-miR-6854-5p	ZDHHC7	Profile11
hsa-miR-508-3p	ZEB1	Profile11
hsa-miR-34a-5p	ZER1	Profile11
hsa-miR-221-3p	ZFAND5	Profile11
hsa-miR-203a-5p	ZFP28	Profile11
hsa-miR-203a-5p	ZFP30	Profile11
hsa-miR-221-3p	ZFP36L2	Profile11
hsa-miR-29b-3p	ZFP91	Profile11
hsa-miR-320b	ZFP91	Profile11
hsa-miR-320c	ZFP91	Profile11
hsa-miR-19b-3p	ZFPM2	Profile11
hsa-miR-221-3p	ZFYVE16	Profile11
hsa-miR-19b-3p	ZHX3	Profile11
hsa-miR-34a-5p	ZIC5	Profile11
hsa-miR-4780	ZKSCAN1	Profile11
hsa-miR-320b	ZMIZ1	Profile11
hsa-miR-4780	ZMIZ1	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-29b-3p	ZNF167	Profile11
hsa-miR-221-3p	ZNF181	Profile11
hsa-miR-29b-3p	ZNF24	Profile11
hsa-miR-203a-5p	ZNF250	Profile11
hsa-miR-339-5p	ZNF275	Profile11
hsa-miR-34a-5p	ZNF275	Profile11
hsa-miR-203a-5p	ZNF277	Profile11
hsa-miR-4780	ZNF280B	Profile11
hsa-miR-320b	ZNF280C	Profile11
hsa-miR-320c	ZNF280C	Profile11
hsa-miR-320b	ZNF281	Profile11
hsa-miR-34a-5p	ZNF281	Profile11
hsa-miR-29b-3p	ZNF282	Profile11
hsa-miR-320b	ZNF3	Profile11
hsa-miR-320c	ZNF3	Profile11
hsa-miR-203a-5p	ZNF317	Profile11
hsa-miR-29b-3p	ZNF346	Profile11
hsa-miR-221-3p	ZNF385A	Profile11
hsa-miR-29b-3p	ZNF396	Profile11
hsa-miR-320b	ZNF398	Profile11
hsa-miR-320c	ZNF398	Profile11
hsa-miR-203a-5p	ZNF441	Profile11
hsa-miR-19b-3p	ZNF469	Profile11
hsa-miR-29b-3p	ZNF469	Profile11
hsa-miR-203a-5p	ZNF470	Profile11
hsa-miR-29b-3p	ZNF498	Profile11
hsa-miR-203a-5p	ZNF517	Profile11
hsa-miR-29b-3p	ZNF518B	Profile11
hsa-miR-203a-5p	ZNF549	Profile11
hsa-miR-203a-5p	ZNF554	Profile11
hsa-miR-6854-5p	ZNF592	Profile11
hsa-miR-29b-3p	ZNF609	Profile11
hsa-miR-491-5p	ZNF609	Profile11
hsa-miR-203a-5p	ZNF613	Profile11
hsa-miR-34a-5p	ZNF641	Profile11
hsa-miR-203a-5p	ZNF652	Profile11
hsa-miR-221-3p	ZNF652	Profile11
hsa-miR-203a-5p	ZNF654	Profile11
hsa-miR-4780	ZNF687	Profile11
hsa-miR-339-5p	ZNF689	Profile11
hsa-miR-203a-5p	ZNF709	Profile11
hsa-miR-1268a	ZNF713	Profile11
hsa-miR-203a-5p	ZNF716	Profile11
hsa-miR-203a-5p	ZNF780A	Profile11
hsa-miR-203a-5p	ZNF786	Profile11
hsa-miR-203a-5p	ZNF793	Profile11
hsa-miR-203a-5p	ZNF80	Profile11
hsa-miR-203a-5p	ZNF800	Profile11
hsa-miR-203a-5p	ZNF827	Profile11
hsa-miR-19b-3p	ZNF831	Profile11
hsa-miR-203a-5p	ZNF84	Profile11
hsa-miR-203a-5p	ZNF862	Profile11
hsa-miR-508-3p	ZNRF1	Profile11
hsa-miR-6854-5p	ZNRF1	Profile11
hsa-miR-203a-5p	ZNRF3	Profile11
hsa-miR-19b-3p	ZPLD1	Profile11
hsa-miR-203a-5p	ZSCAN22	Profile11
hsa-miR-34a-5p	ZSCAN29	Profile11
hsa-miR-221-3p	ZSWIM4	Profile11

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-320b	ZSWIM6	Profile11
hsa-miR-320c	ZSWIM6	Profile11
hsa-miR-19b-3p	ZYG11B	Profile11
hsa-miR-135b-5p	SEPT8	Profile2
hsa-miR-183-5p	AAK1	Profile2
hsa-miR-183-5p	ABCA1	Profile2
hsa-miR-135b-5p	ABHD5	Profile2
hsa-miR-18a-5p	ABTB2	Profile2
hsa-miR-135b-5p	ACTR3B	Profile2
hsa-miR-135b-5p	ACVR1B	Profile2
hsa-miR-135b-5p	ADAM12	Profile2
hsa-miR-135b-5p	ADAMTS9	Profile2
hsa-miR-135b-5p	ADARB2	Profile2
hsa-miR-18a-5p	ADAT2	Profile2
hsa-miR-135b-3p	ADCYAP1	Profile2
hsa-miR-18a-5p	ADD3	Profile2
hsa-miR-135b-5p	AEBP2	Profile2
hsa-miR-1268b	AGAP2	Profile2
hsa-miR-183-5p	AGPAT5	Profile2
hsa-miR-183-5p	AJAP1	Profile2
hsa-miR-183-5p	AKAP12	Profile2
hsa-miR-3913-5p	AKAP6	Profile2
hsa-miR-18a-5p	AKR1D1	Profile2
hsa-miR-18a-5p	ALCAM	Profile2
hsa-miR-1268b	ALX4	Profile2
hsa-miR-135b-5p	ANGPT2	Profile2
hsa-miR-135b-5p	ANK3	Profile2
hsa-miR-183-5p	ANKMY2	Profile2
hsa-miR-183-5p	ANKRD13C	Profile2
hsa-miR-18a-5p	ANKRD50	Profile2
hsa-miR-18a-5p	ANKRD52	Profile2
hsa-miR-135b-5p	ANXA7	Profile2
hsa-miR-135b-5p	APC	Profile2
hsa-miR-135b-5p	ARC	Profile2
hsa-miR-183-5p	ARFGAP2	Profile2
hsa-miR-183-5p	ARHGAP21	Profile2
hsa-miR-183-5p	ARHGAP26	Profile2
hsa-miR-135b-5p	ARHGEF2	Profile2
hsa-miR-135b-5p	ARHGEF4	Profile2
hsa-miR-135b-5p	ARHGEF6	Profile2
hsa-miR-135b-5p	ARHGEF7	Profile2
hsa-miR-3913-5p	ARMCX1	Profile2
hsa-miR-183-5p	ARPP19	Profile2
hsa-miR-18a-5p	ATP13A1	Profile2
hsa-miR-183-5p	ATP13A3	Profile2
hsa-miR-183-5p	ATP2C1	Profile2
hsa-miR-3913-5p	ATP2C1	Profile2
hsa-miR-18a-5p	ATP8A1	Profile2
hsa-miR-135b-5p	ATRNL1	Profile2
hsa-miR-183-5p	AUTS2	Profile2
hsa-miR-135b-5p	B3GALTL	Profile2
hsa-miR-135b-5p	BACH1	Profile2
hsa-miR-183-5p	BAZ1B	Profile2
hsa-miR-3913-5p	BBS7	Profile2
hsa-miR-135b-5p	BCAT1	Profile2
hsa-miR-135b-5p	BCL11A	Profile2
hsa-miR-135b-5p	BEND3	Profile2
hsa-miR-18a-5p	BEND3	Profile2
hsa-miR-183-5p	BRMS1L	Profile2

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-135b-5p	BRWD1	Profile2
hsa-miR-18a-5p	BRWD1	Profile2
hsa-miR-135b-5p	BSN	Profile2
hsa-miR-135b-5p	BTBD10	Profile2
hsa-miR-183-5p	BTG1	Profile2
hsa-miR-18a-5p	BTG3	Profile2
hsa-miR-135b-5p	BTRC	Profile2
hsa-miR-183-5p	BZW1	Profile2
hsa-miR-135b-5p	CACNA1E	Profile2
hsa-miR-183-5p	CACNA1E	Profile2
hsa-miR-18a-5p	CACNB3	Profile2
hsa-miR-18a-5p	CADM2	Profile2
hsa-miR-135b-5p	CADM3	Profile2
hsa-miR-135b-5p	CADM4	Profile2
hsa-miR-3913-5p	CALM3	Profile2
hsa-miR-135b-5p	CALML4	Profile2
hsa-miR-135b-5p	CALN1	Profile2
hsa-miR-183-5p	CALN1	Profile2
hsa-miR-3913-5p	CALN1	Profile2
hsa-miR-183-5p	CAMK2D	Profile2
hsa-miR-18a-5p	CAMKK2	Profile2
hsa-miR-135b-5p	CASZ1	Profile2
hsa-miR-3200-3p	CASZ1	Profile2
hsa-miR-3913-5p	CBL	Profile2
hsa-miR-3913-5p	CBX5	Profile2
hsa-miR-183-5p	CCDC50	Profile2
hsa-miR-18a-5p	CCDC88A	Profile2
hsa-miR-135b-5p	CCND2	Profile2
hsa-miR-18a-5p	CCND2	Profile2
hsa-miR-183-5p	CD28	Profile2
hsa-miR-135b-5p	CDC40	Profile2
hsa-miR-18a-5p	CDK2	Profile2
hsa-miR-183-5p	CHD2	Profile2
hsa-miR-135b-5p	CHP	Profile2
hsa-miR-183-5p	CLCN3	Profile2
hsa-miR-183-5p	CLIC4	Profile2
hsa-miR-1268b	CMIP	Profile2
hsa-miR-135b-3p	CNBP	Profile2
hsa-miR-3913-5p	CNGB3	Profile2
hsa-miR-183-5p	CNOT6	Profile2
hsa-miR-183-5p	CNOT6L	Profile2
hsa-miR-135b-3p	COL19A1	Profile2
hsa-miR-135b-5p	COL5A1	Profile2
hsa-miR-135b-5p	CPD	Profile2
hsa-miR-135b-5p	CPLX1	Profile2
hsa-miR-183-5p	CPM	Profile2
hsa-miR-3913-5p	CPPED1	Profile2
hsa-miR-3913-5p	CRAMP1L	Profile2
hsa-miR-135b-3p	CREBL2	Profile2
hsa-miR-18a-5p	CREBL2	Profile2
hsa-miR-135b-5p	CSNK1G1	Profile2
hsa-miR-183-5p	CSNK1G1	Profile2
hsa-miR-3913-5p	CTBP2	Profile2
hsa-miR-183-5p	CTDSP1	Profile2
hsa-miR-183-5p	CTDSPL	Profile2
hsa-miR-18a-5p	CTDSPL	Profile2
hsa-miR-18a-5p	CTGF	Profile2
hsa-miR-135b-5p	CTSC	Profile2
hsa-miR-183-5p	CYYR1	Profile2

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-18a-5p	DAAM2	Profile2
hsa-miR-135b-5p	DCP1A	Profile2
hsa-miR-18a-5p	DDX18	Profile2
hsa-miR-135b-5p	DHODH	Profile2
hsa-miR-18a-5p	DICER1	Profile2
hsa-miR-18a-5p	DIRAS2	Profile2
hsa-miR-135b-5p	DLGAP2	Profile2
hsa-miR-135b-5p	DNAJC16	Profile2
hsa-miR-135b-5p	DNAJC27	Profile2
hsa-miR-135b-5p	DNM3	Profile2
hsa-miR-135b-5p	DOLPP1	Profile2
hsa-miR-135b-5p	DTX3L	Profile2
hsa-miR-183-5p	DUSP10	Profile2
hsa-miR-135b-5p	DUSP5	Profile2
hsa-miR-3200-3p	DYRK1A	Profile2
hsa-miR-183-5p	EEF2	Profile2
hsa-miR-3913-5p	EFNA5	Profile2
hsa-miR-18a-5p	EHMT1	Profile2
hsa-miR-183-5p	EI24	Profile2
hsa-miR-135b-5p	EIF2C1	Profile2
hsa-miR-183-5p	EIF2C2	Profile2
hsa-miR-135b-5p	ELK1	Profile2
hsa-miR-135b-5p	ELOVL2	Profile2
hsa-miR-183-5p	ENAH	Profile2
hsa-miR-18a-5p	ENDOD1	Profile2
hsa-miR-135b-5p	ENTPD1	Profile2
hsa-miR-135b-5p	ENTPD4	Profile2
hsa-miR-135b-5p	ENTPD7	Profile2
hsa-miR-183-5p	EPHA4	Profile2
hsa-miR-18a-5p	ERI1	Profile2
hsa-miR-183-5p	ERP44	Profile2
hsa-miR-18a-5p	ESR1	Profile2
hsa-miR-3913-5p	ESR1	Profile2
hsa-miR-18a-5p	ETV6	Profile2
hsa-miR-135b-5p	EXTL2	Profile2
hsa-miR-183-5p	EZR	Profile2
hsa-miR-18a-5p	F3	Profile2
hsa-miR-18a-5p	FAM136A	Profile2
hsa-miR-18a-5p	FAM3C	Profile2
hsa-miR-3200-3p	FBN1	Profile2
hsa-miR-18a-5p	FBXL3	Profile2
hsa-miR-3913-5p	FBXO41	Profile2
hsa-miR-183-5p	FCHO2	Profile2
hsa-miR-18a-5p	FCHSD2	Profile2
hsa-miR-135b-5p	FEM1A	Profile2
hsa-miR-183-5p	FHDC1	Profile2
hsa-miR-18a-5p	FKBP5	Profile2
hsa-miR-18a-5p	FNBP1	Profile2
hsa-miR-18a-5p	FNDC3B	Profile2
hsa-miR-18a-5p	FOXH1	Profile2
hsa-miR-135b-5p	FOXN2	Profile2
hsa-miR-183-5p	FOXN2	Profile2
hsa-miR-135b-5p	FOXN3	Profile2
hsa-miR-183-5p	FOXO1	Profile2
hsa-miR-183-5p	FOXP1	Profile2
hsa-miR-3913-5p	FOXP1	Profile2
hsa-miR-135b-5p	FRK	Profile2
hsa-miR-135b-5p	FRMD4A	Profile2
hsa-miR-183-5p	FRMD6	Profile2

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-18a-5p	FRS2	Profile2
hsa-miR-135b-5p	GAS7	Profile2
hsa-miR-3913-5p	GCET2	Profile2
hsa-miR-183-5p	GCLM	Profile2
hsa-miR-18a-5p	GIGYF1	Profile2
hsa-miR-135b-5p	GK5	Profile2
hsa-miR-183-5p	GNAQ	Profile2
hsa-miR-18a-5p	GNPDA2	Profile2
hsa-miR-135b-5p	GOLGA2	Profile2
hsa-miR-3913-5p	GOT1	Profile2
hsa-miR-183-5p	GPR3	Profile2
hsa-miR-3913-5p	GPT2	Profile2
hsa-miR-135b-5p	GRIK3	Profile2
hsa-miR-135b-5p	GULP1	Profile2
hsa-miR-1268b	HCN2	Profile2
hsa-miR-18a-5p	HEATR5A	Profile2
hsa-miR-1268b	HES7	Profile2
hsa-miR-135b-5p	HIF1AN	Profile2
hsa-miR-18a-5p	HIPK2	Profile2
hsa-miR-135b-5p	HIPK3	Profile2
hsa-miR-135b-5p	HMG20A	Profile2
hsa-miR-135b-5p	HNRNPA3	Profile2
hsa-miR-3913-5p	HNRNPA3	Profile2
hsa-miR-135b-5p	HNRNPU	Profile2
hsa-miR-135b-5p	HOXA10	Profile2
hsa-miR-1268b	HPD	Profile2
hsa-miR-18a-5p	HSF5	Profile2
hsa-miR-135b-5p	IGF2BP1	Profile2
hsa-miR-18a-5p	INADL	Profile2
hsa-miR-135b-5p	INHBA	Profile2
hsa-miR-183-5p	INO80D	Profile2
hsa-miR-18a-5p	INO80D	Profile2
hsa-miR-135b-5p	INPP4A	Profile2
hsa-miR-135b-3p	INSR	Profile2
hsa-miR-18a-5p	IRF2	Profile2
hsa-miR-18a-5p	ISM1	Profile2
hsa-miR-135b-5p	ITGAV	Profile2
hsa-miR-183-5p	ITGB1	Profile2
hsa-miR-183-5p	ITGB8	Profile2
hsa-miR-135b-5p	JDP2	Profile2
hsa-miR-18a-5p	JMY	Profile2
hsa-miR-18a-5p	KCMF1	Profile2
hsa-miR-18a-5p	KCNA1	Profile2
hsa-miR-135b-5p	KCNAB3	Profile2
hsa-miR-183-5p	KCNK10	Profile2
hsa-miR-135b-5p	KCTD10	Profile2
hsa-miR-18a-5p	KDM2A	Profile2
hsa-miR-183-5p	KDM2B	Profile2
hsa-miR-18a-5p	KDM5B	Profile2
hsa-miR-3913-5p	KIAA0141	Profile2
hsa-miR-183-5p	KIAA0284	Profile2
hsa-miR-183-5p	KIAA0368	Profile2
hsa-miR-18a-5p	KIAA0513	Profile2
hsa-miR-183-5p	KIAA1024	Profile2
hsa-miR-135b-5p	KIAA1432	Profile2
hsa-miR-183-5p	KIF2A	Profile2
hsa-miR-18a-5p	KIF3B	Profile2
hsa-miR-135b-5p	KLF3	Profile2
hsa-miR-183-5p	KLHL28	Profile2

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-183-5p	KLHL3	Profile2
hsa-miR-135b-5p	LCP1	Profile2
hsa-miR-183-5p	LHFPL2	Profile2
hsa-miR-18a-5p	LIF	Profile2
hsa-miR-135b-5p	LMLN	Profile2
hsa-miR-18a-5p	LMO4	Profile2
hsa-miR-135b-5p	LPGAT1	Profile2
hsa-miR-183-5p	LPN1	Profile2
hsa-miR-135b-5p	LRCH2	Profile2
hsa-miR-183-5p	LRP6	Profile2
hsa-miR-135b-5p	LRRFIP1	Profile2
hsa-miR-18a-5p	LRRFIP1	Profile2
hsa-miR-135b-5p	LYPLA1	Profile2
hsa-miR-135b-5p	LZTS1	Profile2
hsa-miR-183-5p	MACROD2	Profile2
hsa-miR-3913-5p	MAP2K3	Profile2
hsa-miR-3913-5p	MAP3K2	Profile2
hsa-miR-183-5p	MAP3K4	Profile2
hsa-miR-135b-5p	MAPRE2	Profile2
hsa-miR-135b-3p	MBD6	Profile2
hsa-miR-183-5p	MBNL1	Profile2
hsa-miR-18a-5p	MBNL1	Profile2
hsa-miR-18a-5p	MDGA1	Profile2
hsa-miR-183-5p	MDM4	Profile2
hsa-miR-183-5p	MED1	Profile2
hsa-miR-3913-5p	MED13	Profile2
hsa-miR-135b-5p	MEF2A	Profile2
hsa-miR-183-5p	MEF2C	Profile2
hsa-miR-3913-5p	MEGF9	Profile2
hsa-miR-3200-3p	MEX3A	Profile2
hsa-miR-3913-5p	MEX3C	Profile2
hsa-miR-3200-3p	MLL2	Profile2
hsa-miR-135b-5p	MOBK1A	Profile2
hsa-miR-183-5p	MRC2	Profile2
hsa-miR-3913-5p	MRPS25	Profile2
hsa-miR-135b-5p	MSL2	Profile2
hsa-miR-135b-5p	MSRB3	Profile2
hsa-miR-183-5p	MTA1	Profile2
hsa-miR-135b-5p	MTMR12	Profile2
hsa-miR-135b-5p	MTMR14	Profile2
hsa-miR-183-5p	MTMR6	Profile2
hsa-miR-18a-5p	MYLK	Profile2
hsa-miR-135b-5p	MYO1C	Profile2
hsa-miR-183-5p	MYO5B	Profile2
hsa-miR-135b-5p	MYSM1	Profile2
hsa-miR-135b-5p	MYT1L	Profile2
hsa-miR-135b-5p	NAGS	Profile2
hsa-miR-135b-5p	NAMPT	Profile2
hsa-miR-135b-5p	NBEA	Profile2
hsa-miR-106b-3p	NCDN	Profile2
hsa-miR-135b-5p	NCKIPSD	Profile2
hsa-miR-135b-5p	NCLN	Profile2
hsa-miR-135b-5p	NCOA1	Profile2
hsa-miR-18a-5p	NDFIP1	Profile2
hsa-miR-18a-5p	NEDD4	Profile2
hsa-miR-18a-5p	NEDD9	Profile2
hsa-miR-18a-5p	NEO1	Profile2
hsa-miR-135b-5p	NEURL	Profile2
hsa-miR-3200-3p	NEURL1B	Profile2

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-135b-5p	NF1	Profile2
hsa-miR-135b-5p	NOS1AP	Profile2
hsa-miR-18a-5p	NOTCH2	Profile2
hsa-miR-135b-5p	NPC1	Profile2
hsa-miR-3200-3p	NPNT	Profile2
hsa-miR-18a-5p	NR1H2	Profile2
hsa-miR-18a-5p	NR3C1	Profile2
hsa-miR-135b-5p	NR3C2	Profile2
hsa-miR-183-5p	NTN4	Profile2
hsa-miR-183-5p	NTRK2	Profile2
hsa-miR-183-5p	NUDT4	Profile2
hsa-miR-135b-5p	NXT2	Profile2
hsa-miR-18a-5p	ORAI3	Profile2
hsa-miR-135b-5p	ORMDL2	Profile2
hsa-miR-183-5p	OSBPL8	Profile2
hsa-miR-3200-3p	OXTR	Profile2
hsa-miR-3913-5p	PAIP2B	Profile2
hsa-miR-183-5p	PAM	Profile2
hsa-miR-135b-5p	PANK1	Profile2
hsa-miR-18a-5p	PARD6B	Profile2
hsa-miR-183-5p	PCGF5	Profile2
hsa-miR-183-5p	PDCD4	Profile2
hsa-miR-18a-5p	PDE4D	Profile2
hsa-miR-135b-5p	PDE7A	Profile2
hsa-miR-135b-5p	PDE7B	Profile2
hsa-miR-135b-5p	PDE8B	Profile2
hsa-miR-3200-3p	PDZD2	Profile2
hsa-miR-135b-5p	PELI2	Profile2
hsa-miR-183-5p	PFN2	Profile2
hsa-miR-135b-5p	PGGT1B	Profile2
hsa-miR-135b-5p	PGR	Profile2
hsa-miR-18a-5p	PHC3	Profile2
hsa-miR-18a-5p	PHF2	Profile2
hsa-miR-135b-5p	PHF20	Profile2
hsa-miR-3200-3p	PHF20	Profile2
hsa-miR-18a-5p	PHF20L1	Profile2
hsa-miR-135b-5p	PHLDB2	Profile2
hsa-miR-135b-5p	PHOSPHO1	Profile2
hsa-miR-135b-5p	PIGH	Profile2
hsa-miR-183-5p	PIGX	Profile2
hsa-miR-183-5p	PKD2	Profile2
hsa-miR-18a-5p	PKNOX1	Profile2
hsa-miR-183-5p	PLAG1	Profile2
hsa-miR-135b-5p	PLAGL1	Profile2
hsa-miR-183-5p	PLCB4	Profile2
hsa-miR-183-5p	PLXNA4	Profile2
hsa-miR-183-5p	PNPT1	Profile2
hsa-miR-135b-5p	PPP1CC	Profile2
hsa-miR-135b-5p	PPP1R12C	Profile2
hsa-miR-183-5p	PPP2CA	Profile2
hsa-miR-183-5p	PPP2R5C	Profile2
hsa-miR-135b-5p	PRDM16	Profile2
hsa-miR-135b-5p	PRELID2	Profile2
hsa-miR-135b-5p	PRIMA1	Profile2
hsa-miR-183-5p	PRKCB	Profile2
hsa-miR-183-5p	PRKCI	Profile2
hsa-miR-135b-5p	PRKD3	Profile2
hsa-miR-135b-5p	PRLR	Profile2
hsa-miR-183-5p	PRUNE2	Profile2

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-183-5p	PSD3	Profile2
hsa-miR-18a-5p	PSD3	Profile2
hsa-miR-183-5p	PSEN2	Profile2
hsa-miR-183-5p	PTDSS1	Profile2
hsa-miR-135b-5p	PTER	Profile2
hsa-miR-18a-5p	PTGFRN	Profile2
hsa-miR-135b-5p	PTK2	Profile2
hsa-miR-18a-5p	PTP4A3	Profile2
hsa-miR-135b-5p	PTPN1	Profile2
hsa-miR-183-5p	PTPN4	Profile2
hsa-miR-1268b	PVRL1	Profile2
hsa-miR-135b-5p	PVRL1	Profile2
hsa-miR-135b-5p	QKI	Profile2
hsa-miR-18a-5p	RAB11FIP2	Profile2
hsa-miR-135b-5p	RAB1B	Profile2
hsa-miR-135b-5p	RAB33B	Profile2
hsa-miR-135b-5p	RAB39B	Profile2
hsa-miR-135b-5p	RAB3GAP2	Profile2
hsa-miR-135b-5p	RAP1GDS1	Profile2
hsa-miR-135b-5p	RAP2A	Profile2
hsa-miR-135b-5p	RAPGEF6	Profile2
hsa-miR-135b-5p	RBAK	Profile2
hsa-miR-135b-3p	RC3H1	Profile2
hsa-miR-1268b	RECQL5	Profile2
hsa-miR-183-5p	REPS2	Profile2
hsa-miR-3913-5p	RFX2	Profile2
hsa-miR-135b-5p	RGL1	Profile2
hsa-miR-135b-5p	RHO	Profile2
hsa-miR-183-5p	RHOBTB1	Profile2
hsa-miR-135b-5p	RICTOR	Profile2
hsa-miR-183-5p	RIMBP2	Profile2
hsa-miR-183-5p	RIMKLA	Profile2
hsa-miR-18a-5p	RIMKLA	Profile2
hsa-miR-135b-5p	RNF138	Profile2
hsa-miR-183-5p	RNF138	Profile2
hsa-miR-183-5p	RNF2	Profile2
hsa-miR-135b-5p	RORA	Profile2
hsa-miR-135b-5p	RPS6KB1	Profile2
hsa-miR-135b-5p	RRBP1	Profile2
hsa-miR-135b-5p	RUNX1	Profile2
hsa-miR-183-5p	SACS	Profile2
hsa-miR-183-5p	SAMD4A	Profile2
hsa-miR-18a-5p	SAR1A	Profile2
hsa-miR-135b-5p	SCHIP1	Profile2
hsa-miR-135b-5p	SCN2A	Profile2
hsa-miR-135b-5p	SCRT1	Profile2
hsa-miR-135b-5p	SCUBE3	Profile2
hsa-miR-18a-5p	SEC14L3	Profile2
hsa-miR-135b-5p	SEC22B	Profile2
hsa-miR-183-5p	SEL1L	Profile2
hsa-miR-183-5p	SERP1	Profile2
hsa-miR-183-5p	SESN1	Profile2
hsa-miR-18a-5p	SH3BP4	Profile2
hsa-miR-18a-5p	SH3KBP1	Profile2
hsa-miR-3913-5p	SHPRH	Profile2
hsa-miR-183-5p	SIDT2	Profile2
hsa-miR-18a-5p	SIM2	Profile2
hsa-miR-183-5p	SIN3A	Profile2
hsa-miR-183-5p	SIRPA	Profile2

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-18a-5p	SLC12A6	Profile2
hsa-miR-135b-5p	SLC24A2	Profile2
hsa-miR-183-5p	SLC25A36	Profile2
hsa-miR-183-5p	SLC30A8	Profile2
hsa-miR-183-5p	SLC35A1	Profile2
hsa-miR-3200-3p	SLC35F1	Profile2
hsa-miR-3200-3p	SLC39A10	Profile2
hsa-miR-1268b	SLC8A2	Profile2
hsa-miR-135b-5p	SLFN11	Profile2
hsa-miR-135b-5p	SLFN13	Profile2
hsa-miR-183-5p	SLITRK3	Profile2
hsa-miR-135b-5p	SLITRK6	Profile2
hsa-miR-18a-5p	SMAD2	Profile2
hsa-miR-3913-5p	SMAD2	Profile2
hsa-miR-18a-5p	SMARCC2	Profile2
hsa-miR-135b-5p	SMC1A	Profile2
hsa-miR-183-5p	SMPD3	Profile2
hsa-miR-3913-5p	SMURF1	Profile2
hsa-miR-135b-5p	SNRK	Profile2
hsa-miR-18a-5p	SNRK	Profile2
hsa-miR-135b-5p	SNTB2	Profile2
hsa-miR-183-5p	SNX1	Profile2
hsa-miR-183-5p	SNX13	Profile2
hsa-miR-135b-5p	SOLH	Profile2
hsa-miR-3913-5p	SORBS1	Profile2
hsa-miR-18a-5p	SORBS2	Profile2
hsa-miR-3200-3p	SORCS1	Profile2
hsa-miR-18a-5p	SOX6	Profile2
hsa-miR-135b-5p	SP1	Profile2
hsa-miR-135b-5p	SP3	Profile2
hsa-miR-183-5p	SPRED1	Profile2
hsa-miR-3200-3p	SSH2	Profile2
hsa-miR-135b-5p	SSR1	Profile2
hsa-miR-135b-5p	ST6GAL2	Profile2
hsa-miR-18a-5p	STAM2	Profile2
hsa-miR-135b-5p	STAMBP	Profile2
hsa-miR-135b-5p	STAT6	Profile2
hsa-miR-135b-5p	STK35	Profile2
hsa-miR-135b-5p	STK38L	Profile2
hsa-miR-1268b	STXBP1	Profile2
hsa-miR-183-5p	STXBP4	Profile2
hsa-miR-183-5p	STYX	Profile2
hsa-miR-135b-5p	SUV420H2	Profile2
hsa-miR-135b-5p	SV2C	Profile2
hsa-miR-3913-5p	SYNC	Profile2
hsa-miR-135b-5p	SYNGAP1	Profile2
hsa-miR-135b-5p	SYT1	Profile2
hsa-miR-135b-5p	SYT2	Profile2
hsa-miR-135b-5p	TBC1D5	Profile2
hsa-miR-135b-5p	TBK1	Profile2
hsa-miR-135b-5p	TBL1XR1	Profile2
hsa-miR-18a-5p	TBPL1	Profile2
hsa-miR-183-5p	TCF4	Profile2
hsa-miR-183-5p	TCF7L2	Profile2
hsa-miR-183-5p	TET1	Profile2
hsa-miR-135b-5p	TET3	Profile2
hsa-miR-3200-3p	TFCP2L1	Profile2
hsa-miR-3200-3p	TGFBR1	Profile2
hsa-miR-18a-5p	THBD	Profile2

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-18a-5p	THBS1	Profile2
hsa-miR-135b-5p	THRB	Profile2
hsa-miR-135b-5p	TLK1	Profile2
hsa-miR-183-5p	TMCC3	Profile2
hsa-miR-135b-5p	TMED5	Profile2
hsa-miR-135b-3p	TMEM120B	Profile2
hsa-miR-18a-5p	TMEM170B	Profile2
hsa-miR-183-5p	TMEM184C	Profile2
hsa-miR-18a-5p	TMEM2	Profile2
hsa-miR-183-5p	TMPO	Profile2
hsa-miR-183-5p	TMSB4X	Profile2
hsa-miR-183-5p	TMSB4Y	Profile2
hsa-miR-18a-5p	TNFAIP3	Profile2
hsa-miR-135b-5p	TNPO1	Profile2
hsa-miR-183-5p	TNRC6B	Profile2
hsa-miR-18a-5p	TNRC6B	Profile2
hsa-miR-3913-5p	TNRC6B	Profile2
hsa-miR-135b-5p	TP53INP2	Profile2
hsa-miR-183-5p	TPM3	Profile2
hsa-miR-18a-5p	TPM3	Profile2
hsa-miR-183-5p	TRHDE	Profile2
hsa-miR-18a-5p	TRIB2	Profile2
hsa-miR-18a-5p	TRIM2	Profile2
hsa-miR-135b-5p	TRPM4	Profile2
hsa-miR-3913-5p	TRPS1	Profile2
hsa-miR-183-5p	TTC7B	Profile2
hsa-miR-18a-5p	TTPAL	Profile2
hsa-miR-183-5p	TUB	Profile2
hsa-miR-18a-5p	TWF1	Profile2
hsa-miR-135b-5p	TXNIP	Profile2
hsa-miR-18a-5p	UBE2Z	Profile2
hsa-miR-3913-5p	UBN2	Profile2
hsa-miR-18a-5p	UBTD2	Profile2
hsa-miR-135b-5p	ULK2	Profile2
hsa-miR-18a-5p	UQCRB	Profile2
hsa-miR-135b-5p	UTRN	Profile2
hsa-miR-183-5p	VANGL1	Profile2
hsa-miR-135b-5p	VCAN	Profile2
hsa-miR-18a-5p	VMA21	Profile2
hsa-miR-183-5p	VPS37A	Profile2
hsa-miR-183-5p	VSX2	Profile2
hsa-miR-3913-5p	WDR7	Profile2
hsa-miR-3200-3p	WHSC1	Profile2
hsa-miR-135b-5p	WIPF1	Profile2
hsa-miR-135b-5p	WSCD2	Profile2
hsa-miR-135b-5p	XPNPEP2	Profile2
hsa-miR-135b-5p	XPO7	Profile2
hsa-miR-18a-5p	XYLT1	Profile2
hsa-miR-3913-5p	YWHAQ	Profile2
hsa-miR-135b-5p	ZBED4	Profile2
hsa-miR-135b-5p	ZBTB34	Profile2
hsa-miR-18a-5p	ZBTB47	Profile2
hsa-miR-135b-5p	ZCCHC14	Profile2
hsa-miR-18a-5p	ZCCHC3	Profile2
hsa-miR-18a-5p	ZCCHC4	Profile2
hsa-miR-135b-5p	ZDHHC23	Profile2
hsa-miR-135b-5p	ZDHHC6	Profile2
hsa-miR-183-5p	ZDHHC6	Profile2
hsa-miR-183-5p	ZDHHC9	Profile2

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-183-5p	ZEB1	Profile2
hsa-miR-183-5p	ZEB2	Profile2
hsa-miR-135b-5p	ZFAND5	Profile2
hsa-miR-183-5p	ZFPM2	Profile2
hsa-miR-183-5p	ZFYVE26	Profile2
hsa-miR-135b-5p	ZNF136	Profile2
hsa-miR-135b-5p	ZNF302	Profile2
hsa-miR-135b-5p	ZNF322A	Profile2
hsa-miR-135b-5p	ZNF362	Profile2
hsa-miR-18a-5p	ZNF367	Profile2
hsa-miR-135b-5p	ZNF385A	Profile2
hsa-miR-3913-5p	ZNF518A	Profile2
hsa-miR-18a-5p	ZNF618	Profile2
hsa-miR-135b-5p	ZNF652	Profile2
hsa-miR-1268b	ZNF713	Profile2
hsa-miR-3913-5p	ZNF740	Profile2
hsa-miR-183-5p	ZNF770	Profile2
hsa-miR-106b-3p	ZNF827	Profile2
hsa-miR-135b-5p	ZNF831	Profile2
hsa-miR-135b-5p	ZSWIM4	Profile2
hsa-miR-1-3p	ABCA1	Profile4
hsa-miR-299-5p	ABCD3	Profile4
hsa-miR-299-5p	ABHD2	Profile4
hsa-miR-1-3p	ACER2	Profile4
hsa-miR-589-5p	AKAP6	Profile4
hsa-miR-1-3p	AMOTL2	Profile4
hsa-miR-1-3p	ANKIB1	Profile4
hsa-miR-659-5p	ANKRD13C	Profile4
hsa-miR-1-3p	ANKRD29	Profile4
hsa-miR-1-3p	ANP32B	Profile4
hsa-miR-1-3p	ANXA4	Profile4
hsa-miR-1-3p	ASH2L	Profile4
hsa-miR-589-5p	ATP13A3	Profile4
hsa-miR-1-3p	BCL11A	Profile4
hsa-miR-1-3p	BDNF	Profile4
hsa-miR-589-5p	BDNF	Profile4
hsa-miR-1-3p	BET1	Profile4
hsa-miR-1-3p	BLCAP	Profile4
hsa-miR-589-5p	BMPR1A	Profile4
hsa-miR-1-3p	BOLL	Profile4
hsa-miR-1-3p	BSCL2	Profile4
hsa-miR-1-3p	BSN	Profile4
hsa-miR-1-3p	CAGE1	Profile4
hsa-miR-589-5p	CAMK2A	Profile4
hsa-miR-1-3p	CASK	Profile4
hsa-miR-151b	CASZ1	Profile4
hsa-miR-589-5p	CD276	Profile4
hsa-miR-299-5p	CDC16	Profile4
hsa-miR-1-3p	CDC42	Profile4
hsa-miR-659-5p	CHD6	Profile4
hsa-miR-1-3p	CHM	Profile4
hsa-miR-1-3p	CLCN3	Profile4
hsa-miR-589-5p	CNTFR	Profile4
hsa-miR-1-3p	CPEB1	Profile4
hsa-miR-1-3p	CREB5	Profile4
hsa-miR-589-5p	CSRN2P	Profile4
hsa-miR-589-5p	CTDSPL2	Profile4
hsa-miR-589-5p	CUX1	Profile4
hsa-miR-589-5p	CYTH1	Profile4

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-589-5p	DCHS1	Profile4
hsa-miR-589-5p	DCTN5	Profile4
hsa-miR-1-3p	DDX5	Profile4
hsa-miR-1-3p	DICER1	Profile4
hsa-miR-589-5p	DIP2B	Profile4
hsa-miR-299-5p	DIP2C	Profile4
hsa-miR-589-5p	DLL1	Profile4
hsa-miR-1-3p	E2F5	Profile4
hsa-miR-126-3p	EGFL7	Profile4
hsa-miR-1-3p	EIF1AX	Profile4
hsa-miR-299-5p	ELL2	Profile4
hsa-miR-299-5p	ELN	Profile4
hsa-miR-1-3p	EML3	Profile4
hsa-miR-1-3p	EPB41L4B	Profile4
hsa-miR-299-5p	ERC2	Profile4
hsa-miR-299-5p	ERP44	Profile4
hsa-miR-1-3p	ETS1	Profile4
hsa-miR-1-3p	FAM107B	Profile4
hsa-miR-1-3p	FAM134A	Profile4
hsa-miR-1-3p	FAM46C	Profile4
hsa-miR-1-3p	FAM63B	Profile4
hsa-miR-1-3p	FAM91A1	Profile4
hsa-miR-299-5p	FGF14	Profile4
hsa-miR-1-3p	FNDC3A	Profile4
hsa-miR-299-5p	FOXP4	Profile4
hsa-miR-1-3p	FRS2	Profile4
hsa-miR-1-3p	FZD4	Profile4
hsa-miR-1-3p	GABBR2	Profile4
hsa-miR-1-3p	GAS2L1	Profile4
hsa-miR-1-3p	GCH1	Profile4
hsa-miR-659-5p	GIGYF1	Profile4
hsa-miR-1-3p	GJA1	Profile4
hsa-miR-1-3p	GMFB	Profile4
hsa-miR-1-3p	GNPTAB	Profile4
hsa-miR-299-5p	GOLGA1	Profile4
hsa-miR-299-5p	GOSR1	Profile4
hsa-miR-589-5p	HDAC5	Profile4
hsa-miR-1-3p	HIAT1	Profile4
hsa-miR-589-5p	HIF1AN	Profile4
hsa-miR-1-3p	HIGD1A	Profile4
hsa-miR-1-3p	HMBX1	Profile4
hsa-miR-1-3p	HNRNPK	Profile4
hsa-miR-1-3p	HNRNPU	Profile4
hsa-miR-1-3p	HOOK1	Profile4
hsa-miR-1-3p	HP1BP3	Profile4
hsa-miR-1-3p	HS3ST3B1	Profile4
hsa-miR-299-5p	IKZF2	Profile4
hsa-miR-1-3p	JARID2	Profile4
hsa-miR-1-3p	KCNJ2	Profile4
hsa-miR-589-5p	KCNK5	Profile4
hsa-miR-1-3p	KDM5C	Profile4
hsa-miR-589-5p	KDM6B	Profile4
hsa-miR-1-3p	KDSR	Profile4
hsa-miR-589-5p	KIAA0284	Profile4
hsa-miR-659-5p	KIAA2018	Profile4
hsa-miR-659-5p	KIF1C	Profile4
hsa-miR-589-5p	KPNA6	Profile4
hsa-miR-299-5p	KRR1	Profile4
hsa-miR-1-3p	KTN1	Profile4

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-299-5p	L2HGDH	Profile4
hsa-miR-1-3p	LASP1	Profile4
hsa-miR-589-5p	LONP2	Profile4
hsa-miR-589-5p	LPHN2	Profile4
hsa-miR-1-3p	LPPR4	Profile4
hsa-miR-1-3p	MAGI2	Profile4
hsa-miR-1-3p	MAP3K1	Profile4
hsa-miR-589-5p	MAP3K14	Profile4
hsa-miR-589-5p	MAT2A	Profile4
hsa-miR-1-3p	MATR3	Profile4
hsa-miR-589-5p	MECR	Profile4
hsa-miR-589-5p	MED13	Profile4
hsa-miR-1-3p	MEIS1	Profile4
hsa-miR-1-3p	MGAT4A	Profile4
hsa-miR-589-5p	MLEC	Profile4
hsa-miR-1-3p	MMD2	Profile4
hsa-miR-1-3p	MMP8	Profile4
hsa-miR-1-3p	MON2	Profile4
hsa-miR-299-5p	MPHOSPH8	Profile4
hsa-miR-589-5p	MPPE1	Profile4
hsa-miR-589-5p	MYO6	Profile4
hsa-miR-589-5p	MYT1	Profile4
hsa-miR-151b	N4BP1	Profile4
hsa-miR-1-3p	NCOA3	Profile4
hsa-miR-1-3p	NDRG3	Profile4
hsa-miR-659-5p	NDST1	Profile4
hsa-miR-589-5p	NEFM	Profile4
hsa-miR-589-5p	NFAT5	Profile4
hsa-miR-589-5p	NT5DC1	Profile4
hsa-miR-299-5p	NUFIP2	Profile4
hsa-miR-1-3p	NUP50	Profile4
hsa-miR-589-5p	NXPH3	Profile4
hsa-miR-1-3p	NXT2	Profile4
hsa-miR-659-5p	ORA13	Profile4
hsa-miR-1-3p	OSBPL7	Profile4
hsa-miR-1-3p	OSBPL8	Profile4
hsa-miR-659-5p	OTUD4	Profile4
hsa-miR-1-3p	OTX2	Profile4
hsa-miR-1-3p	PABPC4L	Profile4
hsa-miR-589-5p	PADI3	Profile4
hsa-miR-1-3p	PDE7A	Profile4
hsa-miR-1-3p	PDGFA	Profile4
hsa-miR-589-5p	PFKFB2	Profile4
hsa-miR-1-3p	PHAX	Profile4
hsa-miR-589-5p	PHC3	Profile4
hsa-miR-151b	PHF15	Profile4
hsa-miR-1-3p	PHLDA1	Profile4
hsa-miR-589-5p	PIP4K2B	Profile4
hsa-miR-1-3p	PKD2	Profile4
hsa-miR-589-5p	PLEKHG5	Profile4
hsa-miR-1-3p	POGK	Profile4
hsa-miR-299-5p	PPP2R5A	Profile4
hsa-miR-589-5p	PRC1	Profile4
hsa-miR-1-3p	PREX1	Profile4
hsa-miR-1-3p	PRIC285	Profile4
hsa-miR-1-3p	PRKRIR	Profile4
hsa-miR-589-5p	PSMG3	Profile4
hsa-miR-1-3p	PTPN2	Profile4
hsa-miR-659-5p	PTPRT	Profile4

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-1-3p	RAB43	Profile4
hsa-miR-589-5p	RAD1	Profile4
hsa-miR-299-5p	RAD21	Profile4
hsa-miR-1-3p	RARB	Profile4
hsa-miR-299-5p	RASSF8	Profile4
hsa-miR-589-5p	RD3	Profile4
hsa-miR-589-5p	RFXAP	Profile4
hsa-miR-589-5p	RGS6	Profile4
hsa-miR-1-3p	RNF141	Profile4
hsa-miR-1-3p	RNF165	Profile4
hsa-miR-1-3p	RNF213	Profile4
hsa-miR-589-5p	RRP15	Profile4
hsa-miR-1-3p	RUNX1	Profile4
hsa-miR-299-5p	SCN2A	Profile4
hsa-miR-1-3p	SEC22C	Profile4
hsa-miR-1-3p	SEC63	Profile4
hsa-miR-1-3p	SFRP1	Profile4
hsa-miR-1-3p	SH3PXD2B	Profile4
hsa-miR-1-3p	SH3TC2	Profile4
hsa-miR-589-5p	SLC10A7	Profile4
hsa-miR-589-5p	SLC25A14	Profile4
hsa-miR-1-3p	SLC25A22	Profile4
hsa-miR-1-3p	SLC25A30	Profile4
hsa-miR-1-3p	SLC25A36	Profile4
hsa-miR-1-3p	SLC37A3	Profile4
hsa-miR-589-5p	SLC38A1	Profile4
hsa-miR-1-3p	SLC7A11	Profile4
hsa-miR-1-3p	SLC8A2	Profile4
hsa-miR-1-3p	SNED1	Profile4
hsa-miR-1-3p	SOX9	Profile4
hsa-miR-1-3p	SPRED1	Profile4
hsa-miR-1-3p	SS18	Profile4
hsa-miR-589-5p	STK10	Profile4
hsa-miR-1-3p	SULF1	Profile4
hsa-miR-659-5p	SYNPO2	Profile4
hsa-miR-589-5p	TADA2B	Profile4
hsa-miR-1-3p	TAGLN2	Profile4
hsa-miR-589-5p	TAPBP	Profile4
hsa-miR-659-5p	TET3	Profile4
hsa-miR-299-5p	TLL1	Profile4
hsa-miR-589-5p	TLN2	Profile4
hsa-miR-1-3p	TMED5	Profile4
hsa-miR-589-5p	TMEM101	Profile4
hsa-miR-1-3p	TMEM135	Profile4
hsa-miR-1-3p	TMEM178	Profile4
hsa-miR-1-3p	TMSB4X	Profile4
hsa-miR-1-3p	TNKS2	Profile4
hsa-miR-1-3p	TNPO1	Profile4
hsa-miR-299-5p	TNPO1	Profile4
hsa-miR-589-5p	TNRC6A	Profile4
hsa-miR-1-3p	TNS3	Profile4
hsa-miR-589-5p	TOMM34	Profile4
hsa-miR-1-3p	TPPP	Profile4
hsa-miR-1-3p	TRAPPC3	Profile4
hsa-miR-1-3p	TRHDE	Profile4
hsa-miR-589-5p	TSPAN11	Profile4
hsa-miR-1-3p	TTC3	Profile4
hsa-miR-589-5p	TTPAL	Profile4
hsa-miR-659-5p	TUB	Profile4

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-1-3p	UBE2H	Profile4
hsa-miR-1-3p	UBE4A	Profile4
hsa-miR-1-3p	UBR5	Profile4
hsa-miR-589-5p	UCP3	Profile4
hsa-miR-299-5p	USP48	Profile4
hsa-miR-1-3p	UTRN	Profile4
hsa-miR-659-5p	VAMP1	Profile4
hsa-miR-1-3p	VAMP2	Profile4
hsa-miR-299-5p	VCP	Profile4
hsa-miR-589-5p	WASF2	Profile4
hsa-miR-1-3p	WIPF2	Profile4
hsa-miR-1-3p	WSCD2	Profile4
hsa-miR-589-5p	XDH	Profile4
hsa-miR-1-3p	ZBTB4	Profile4
hsa-miR-299-5p	ZDHHC9	Profile4
hsa-miR-589-5p	ZEB1	Profile4
hsa-miR-1-3p	ZNF236	Profile4
hsa-let-7e-3p	ZNF521	Profile4
hsa-miR-1-3p	ZNF652	Profile4
hsa-miR-589-5p	ZNRF1	Profile4
hsa-miR-218-5p	MARCH4	Profile7
hsa-let-7b-3p	MARCH6	Profile7
hsa-miR-338-3p	SEPT8	Profile7
hsa-miR-9-5p	SEPT10	Profile7
hsa-miR-136-5p	AAK1	Profile7
hsa-miR-338-3p	AAK1	Profile7
hsa-miR-9-5p	AAK1	Profile7
hsa-miR-124-3p	ABCD1	Profile7
hsa-miR-26a-5p	ABHD2	Profile7
hsa-miR-137	ABHD5	Profile7
hsa-miR-9-5p	ABI1	Profile7
hsa-miR-26a-5p	ABL2	Profile7
hsa-miR-124-3p	ACAN	Profile7
hsa-miR-136-5p	ACAP2	Profile7
hsa-miR-26a-5p	ACAP2	Profile7
hsa-miR-218-5p	ACCN2	Profile7
hsa-miR-124-3p	ACHE	Profile7
hsa-miR-218-5p	ACSL1	Profile7
hsa-miR-9-5p	ACTR1A	Profile7
hsa-miR-338-3p	ACTR2	Profile7
hsa-miR-9-5p	ACVR1B	Profile7
hsa-miR-124-3p	ACVR2B	Profile7
hsa-miR-338-3p	ADAM17	Profile7
hsa-miR-9-5p	ADAMTS3	Profile7
hsa-miR-9-5p	ADAMTS5	Profile7
hsa-miR-338-3p	ADAMTS6	Profile7
hsa-miR-9-5p	ADAMTS6	Profile7
hsa-miR-124-3p	ADCY1	Profile7
hsa-miR-137	ADCY2	Profile7
hsa-miR-9-5p	ADCY5	Profile7
hsa-miR-218-5p	ADCY9	Profile7
hsa-let-7b-3p	ADIPOR2	Profile7
hsa-miR-218-5p	ADIPOR2	Profile7
hsa-miR-26a-5p	ADNP2	Profile7
hsa-let-7b-3p	AFF2	Profile7
hsa-miR-124-3p	AFF4	Profile7
hsa-miR-218-5p	AFF4	Profile7
hsa-miR-216b-5p	AGBL3	Profile7
hsa-miR-124-3p	AGPAT5	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-216b-5p	AGPS	Profile7
hsa-miR-124-3p	AHR	Profile7
hsa-miR-124-3p	AK2	Profile7
hsa-miR-124-3p	AKAP13	Profile7
hsa-miR-124-3p	AKT1S1	Profile7
hsa-miR-124-3p	AKT2	Profile7
hsa-miR-124-3p	ALDH1L2	Profile7
hsa-miR-9-5p	ALG10B	Profile7
hsa-miR-9-5p	AMBRA1	Profile7
hsa-miR-9-5p	AMMECR1	Profile7
hsa-miR-124-3p	AMOTL1	Profile7
hsa-miR-9-5p	AMOTL1	Profile7
hsa-let-7b-3p	AMOTL2	Profile7
hsa-miR-9-5p	ANK2	Profile7
hsa-miR-124-3p	ANKIB1	Profile7
hsa-miR-218-5p	ANKRD40	Profile7
hsa-miR-26a-5p	ANKRD52	Profile7
hsa-miR-9-5p	ANO1	Profile7
hsa-miR-136-5p	ANTXR1	Profile7
hsa-miR-124-3p	ANTXR2	Profile7
hsa-miR-124-3p	ANXA4	Profile7
hsa-miR-216b-5p	AP2B1	Profile7
hsa-miR-9-5p	AP3B1	Profile7
hsa-miR-136-5p	AP3M1	Profile7
hsa-miR-218-5p	AP3M1	Profile7
hsa-miR-338-3p	AP4E1	Profile7
hsa-miR-136-5p	APAF1	Profile7
hsa-miR-9-5p	APBA1	Profile7
hsa-miR-124-3p	APBB2	Profile7
hsa-miR-218-5p	APH1B	Profile7
hsa-miR-124-3p	AQP1	Profile7
hsa-miR-124-3p	AR	Profile7
hsa-miR-124-3p	ARAF	Profile7
hsa-miR-9-5p	ARF6	Profile7
hsa-miR-26a-5p	ARHGAP26	Profile7
hsa-miR-26a-5p	ARHGEF12	Profile7
hsa-miR-136-5p	ARHGEF4	Profile7
hsa-miR-137	ARHGEF7	Profile7
hsa-miR-124-3p	ARL10	Profile7
hsa-miR-136-5p	ARL3	Profile7
hsa-miR-146b-5p	ARMC8	Profile7
hsa-miR-338-3p	ARMCX3	Profile7
hsa-miR-338-3p	ARPC1B	Profile7
hsa-miR-124-3p	ARRDC1	Profile7
hsa-miR-124-3p	ASB1	Profile7
hsa-miR-136-5p	ASH1L	Profile7
hsa-miR-137	ASH1L	Profile7
hsa-miR-26a-5p	ASPN	Profile7
hsa-miR-9-5p	ASXL1	Profile7
hsa-miR-124-3p	ATF7IP	Profile7
hsa-miR-146b-5p	ATG12	Profile7
hsa-miR-137	ATG7	Profile7
hsa-miR-338-3p	ATG9A	Profile7
hsa-miR-124-3p	ATL3	Profile7
hsa-miR-338-3p	ATP10D	Profile7
hsa-miR-26a-5p	ATP11C	Profile7
hsa-miR-338-3p	ATP2A2	Profile7
hsa-miR-136-5p	ATRNL1	Profile7
hsa-miR-338-3p	ATXN7L3	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-9-5p	AUH	Profile7
hsa-miR-124-3p	AXIN1	Profile7
hsa-miR-338-3p	AZI2	Profile7
hsa-miR-26a-5p	B4GALT4	Profile7
hsa-miR-338-3p	B4GALT7	Profile7
hsa-miR-9-5p	BACE1	Profile7
hsa-miR-137	BACH2	Profile7
hsa-miR-26a-5p	BAK1	Profile7
hsa-miR-124-3p	BARX2	Profile7
hsa-miR-137	BAZ1A	Profile7
hsa-miR-216b-5p	BAZ2A	Profile7
hsa-miR-9-5p	BCL11A	Profile7
hsa-miR-216b-5p	BCL2L15	Profile7
hsa-miR-216b-5p	BCL6B	Profile7
hsa-miR-26a-5p	BCL7B	Profile7
hsa-miR-124-3p	BCL9L	Profile7
hsa-miR-146b-5p	BCORL1	Profile7
hsa-miR-216b-5p	BECN1	Profile7
hsa-miR-146b-5p	BEND4	Profile7
hsa-miR-9-5p	BEST3	Profile7
hsa-miR-124-3p	BICD2	Profile7
hsa-miR-26a-5p	BLOC1S2	Profile7
hsa-miR-136-5p	BNC2	Profile7
hsa-miR-9-5p	BNC2	Profile7
hsa-miR-136-5p	BPTF	Profile7
hsa-miR-9-5p	BRAF	Profile7
hsa-miR-218-5p	BRCA1	Profile7
hsa-miR-218-5p	BRCC3	Profile7
hsa-miR-9-5p	BRD4	Profile7
hsa-miR-124-3p	BRWD1	Profile7
hsa-miR-26a-5p	BRWD1	Profile7
hsa-let-7b-3p	BTG1	Profile7
hsa-miR-124-3p	BTG2	Profile7
hsa-miR-216b-5p	BTN3A2	Profile7
hsa-miR-218-5p	BZW2	Profile7
hsa-miR-137	C2CD2	Profile7
hsa-miR-124-3p	CACNA1E	Profile7
hsa-miR-136-5p	CACNA1E	Profile7
hsa-miR-137	CACNA1I	Profile7
hsa-miR-9-5p	CACNB2	Profile7
hsa-miR-338-3p	CACNB4	Profile7
hsa-miR-124-3p	CALU	Profile7
hsa-miR-218-5p	CALU	Profile7
hsa-miR-338-3p	CAMK2G	Profile7
hsa-miR-26a-5p	CAMSAP1	Profile7
hsa-miR-124-3p	CAPN2	Profile7
hsa-miR-124-3p	CASK	Profile7
hsa-miR-26a-5p	CASZ1	Profile7
hsa-miR-9-5p	CBFA2T2	Profile7
hsa-miR-124-3p	CBL	Profile7
hsa-miR-9-5p	CBL	Profile7
hsa-miR-124-3p	CBLL1	Profile7
hsa-miR-124-3p	CBX2	Profile7
hsa-miR-9-5p	CBX6	Profile7
hsa-miR-218-5p	CBX7	Profile7
hsa-miR-9-5p	CC2D1B	Profile7
hsa-miR-146b-5p	CCBP2	Profile7
hsa-miR-26a-5p	CCDC28A	Profile7
hsa-miR-9-5p	CCDC43	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-137	CCDC47	Profile7
hsa-miR-216b-5p	CCDC50	Profile7
hsa-miR-9-5p	CCDC50	Profile7
hsa-miR-146b-5p	CCDC6	Profile7
hsa-miR-26a-5p	CCDC6	Profile7
hsa-miR-9-5p	CCDC6	Profile7
hsa-miR-124-3p	CCDC86	Profile7
hsa-miR-218-5p	CCDC88A	Profile7
hsa-miR-9-5p	CCDC88A	Profile7
hsa-miR-136-5p	CCNDBP1	Profile7
hsa-miR-9-5p	CCNE2	Profile7
hsa-miR-9-5p	CCNG1	Profile7
hsa-miR-146b-5p	CCNJ	Profile7
hsa-miR-216b-5p	CCNT2	Profile7
hsa-miR-9-5p	CCNT2	Profile7
hsa-miR-26a-5p	CD200	Profile7
hsa-miR-136-5p	CD3G	Profile7
hsa-miR-9-5p	CD47	Profile7
hsa-miR-146b-5p	CD80	Profile7
hsa-miR-137	CD83	Profile7
hsa-miR-9-5p	CDC14B	Profile7
hsa-miR-9-5p	CDC23	Profile7
hsa-miR-124-3p	CDC42EP3	Profile7
hsa-miR-146b-5p	CDS1	Profile7
hsa-miR-9-5p	CDX2	Profile7
hsa-miR-137	CEACAM19	Profile7
hsa-miR-338-3p	CELSR2	Profile7
hsa-miR-26a-5p	CEP350	Profile7
hsa-miR-218-5p	CHD6	Profile7
hsa-miR-137	CHD9	Profile7
hsa-miR-26a-5p	CHFR	Profile7
hsa-miR-338-3p	CHL1	Profile7
hsa-miR-137	CHM	Profile7
hsa-miR-124-3p	CHP	Profile7
hsa-miR-9-5p	CLCN4	Profile7
hsa-miR-9-5p	CLCN5	Profile7
hsa-let-7b-3p	CLDN12	Profile7
hsa-miR-9-5p	CLDN14	Profile7
hsa-miR-136-5p	CLEC5A	Profile7
hsa-miR-124-3p	CLMN	Profile7
hsa-miR-124-3p	CMTM4	Profile7
hsa-miR-9-5p	CMTM6	Profile7
hsa-miR-9-5p	CNNM1	Profile7
hsa-miR-9-5p	CNNM2	Profile7
hsa-miR-124-3p	CNOT2	Profile7
hsa-miR-26a-5p	CNOT4	Profile7
hsa-let-7b-3p	CNOT6	Profile7
hsa-miR-338-3p	CNOT6	Profile7
hsa-miR-137	CNOT6L	Profile7
hsa-miR-218-5p	CNOT6L	Profile7
hsa-miR-9-5p	CNOT6L	Profile7
hsa-miR-9-5p	CNP	Profile7
hsa-miR-9-5p	CNTFR	Profile7
hsa-miR-137	CNTN3	Profile7
hsa-miR-9-5p	CNTN3	Profile7
hsa-miR-124-3p	COL12A1	Profile7
hsa-miR-9-5p	COL15A1	Profile7
hsa-miR-9-5p	COL19A1	Profile7
hsa-miR-338-3p	COL1A1	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-216b-5p	COL4A4	Profile7
hsa-miR-9-5p	COL9A1	Profile7
hsa-miR-26a-5p	COPS6	Profile7
hsa-miR-26a-5p	CORO1C	Profile7
hsa-miR-124-3p	CPD	Profile7
hsa-miR-136-5p	CPD	Profile7
hsa-miR-136-5p	CPEB2	Profile7
hsa-miR-216b-5p	CPEB2	Profile7
hsa-miR-9-5p	CPEB3	Profile7
hsa-miR-136-5p	CPEB4	Profile7
hsa-miR-26a-5p	CPM	Profile7
hsa-miR-124-3p	CPNE3	Profile7
hsa-miR-218-5p	CPNE8	Profile7
hsa-miR-9-5p	CPSF6	Profile7
hsa-miR-124-3p	CRAT	Profile7
hsa-miR-124-3p	CREB3L2	Profile7
hsa-miR-26a-5p	CREBL2	Profile7
hsa-let-7b-3p	CREG2	Profile7
hsa-miR-124-3p	CRTC3	Profile7
hsa-miR-137	CSDA	Profile7
hsa-miR-338-3p	CSDA	Profile7
hsa-miR-9-5p	CSNK1A1	Profile7
hsa-miR-216b-5p	CSNK2A1	Profile7
hsa-miR-124-3p	CTDSP1	Profile7
hsa-miR-9-5p	CTDSP2	Profile7
hsa-miR-137	CTDSPL	Profile7
hsa-miR-9-5p	CTNNA1	Profile7
hsa-miR-218-5p	CTNND2	Profile7
hsa-miR-26a-5p	CTTNBP2NL	Profile7
hsa-miR-124-3p	CTXN1	Profile7
hsa-let-7b-3p	CUL3	Profile7
hsa-miR-216b-5p	CUX1	Profile7
hsa-miR-218-5p	CUX1	Profile7
hsa-miR-124-3p	CYB5A	Profile7
hsa-miR-216b-5p	CYP4V2	Profile7
hsa-miR-338-3p	DAB2IP	Profile7
hsa-let-7b-3p	DAGLA	Profile7
hsa-miR-9-5p	DBNL	Profile7
hsa-miR-218-5p	DCBLD2	Profile7
hsa-miR-26a-5p	DCBLD2	Profile7
hsa-miR-137	DCDC2	Profile7
hsa-miR-218-5p	DCLK1	Profile7
hsa-miR-136-5p	DCP1A	Profile7
hsa-miR-218-5p	DCP2	Profile7
hsa-miR-9-5p	DCTN1	Profile7
hsa-miR-146b-5p	DCTN5	Profile7
hsa-miR-124-3p	DCUN1D2	Profile7
hsa-miR-9-5p	DDHD2	Profile7
hsa-miR-124-3p	DDX26B	Profile7
hsa-miR-26a-5p	DDX52	Profile7
hsa-miR-9-5p	DEDD2	Profile7
hsa-miR-9-5p	DENND1A	Profile7
hsa-let-7b-3p	DENND5B	Profile7
hsa-miR-338-3p	DES	Profile7
hsa-miR-124-3p	DGAT2	Profile7
hsa-miR-124-3p	DGCR14	Profile7
hsa-miR-9-5p	DGCR8	Profile7
hsa-miR-338-3p	DGKB	Profile7
hsa-miR-146b-5p	DHDDS	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-9-5p	DHX40	Profile7
hsa-miR-9-5p	DIO2	Profile7
hsa-miR-136-5p	DIS3	Profile7
hsa-miR-216b-5p	DIXDC1	Profile7
hsa-miR-26a-5p	DLG5	Profile7
hsa-miR-146b-5p	DLGAP2	Profile7
hsa-miR-9-5p	DLGAP2	Profile7
hsa-miR-124-3p	DLX5	Profile7
hsa-miR-26a-5p	DNAJB5	Profile7
hsa-miR-124-3p	DNAJC1	Profile7
hsa-miR-218-5p	DNAJC13	Profile7
hsa-miR-26a-5p	DNAJC21	Profile7
hsa-miR-218-5p	DNAJC3	Profile7
hsa-miR-9-5p	DNAJC3	Profile7
hsa-miR-124-3p	DNASE2	Profile7
hsa-miR-136-5p	DOCK5	Profile7
hsa-miR-9-5p	DOLPP1	Profile7
hsa-miR-124-3p	DPY19L3	Profile7
hsa-miR-137	DR1	Profile7
hsa-miR-216b-5p	DSEL	Profile7
hsa-miR-9-5p	DSTYK	Profile7
hsa-miR-124-3p	DTX4	Profile7
hsa-miR-338-3p	DUOX1	Profile7
hsa-miR-124-3p	DUSP15	Profile7
hsa-miR-137	DUSP8	Profile7
hsa-miR-124-3p	DYRK2	Profile7
hsa-miR-9-5p	DYRK2	Profile7
hsa-miR-124-3p	E2F3	Profile7
hsa-miR-216b-5p	E2F4	Profile7
hsa-miR-146b-5p	EARS2	Profile7
hsa-miR-216b-5p	EBF1	Profile7
hsa-let-7b-3p	EBF3	Profile7
hsa-miR-124-3p	ECE1	Profile7
hsa-miR-9-5p	ECHDC1	Profile7
hsa-miR-136-5p	EFHC1	Profile7
hsa-miR-124-3p	EFNA5	Profile7
hsa-miR-338-3p	EFNA5	Profile7
hsa-miR-124-3p	EFNB1	Profile7
hsa-miR-218-5p	EFNB2	Profile7
hsa-let-7b-3p	EIF4A2	Profile7
hsa-miR-9-5p	EIF4E	Profile7
hsa-miR-9-5p	EIF4E3	Profile7
hsa-miR-26a-5p	EIF5	Profile7
hsa-miR-124-3p	ELF3	Profile7
hsa-miR-9-5p	EMB	Profile7
hsa-miR-124-3p	EML6	Profile7
hsa-miR-136-5p	ENAH	Profile7
hsa-miR-9-5p	ENPEP	Profile7
hsa-miR-9-5p	ENTPD5	Profile7
hsa-miR-9-5p	ENTPD7	Profile7
hsa-miR-9-5p	EP400	Profile7
hsa-miR-26a-5p	EPC2	Profile7
hsa-miR-124-3p	EPHA10	Profile7
hsa-miR-137	EPHA5	Profile7
hsa-miR-26a-5p	EPHA5	Profile7
hsa-miR-218-5p	EPHA7	Profile7
hsa-miR-9-5p	EPHA7	Profile7
hsa-miR-9-5p	ERBB2IP	Profile7
hsa-miR-146b-5p	ERBB4	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-26a-5p	ERP44	Profile7
hsa-miR-136-5p	ESRRG	Profile7
hsa-miR-216b-5p	ETNK1	Profile7
hsa-miR-26a-5p	ETNK1	Profile7
hsa-miR-338-3p	ETS1	Profile7
hsa-miR-124-3p	EVI5	Profile7
hsa-miR-9-5p	EVI5L	Profile7
hsa-miR-218-5p	EXOC5	Profile7
hsa-miR-136-5p	EXTL3	Profile7
hsa-miR-124-3p	EYA1	Profile7
hsa-miR-218-5p	FAM109A	Profile7
hsa-miR-9-5p	FAM117A	Profile7
hsa-miR-9-5p	FAM117B	Profile7
hsa-miR-136-5p	FAM120A	Profile7
hsa-miR-216b-5p	FAM122B	Profile7
hsa-miR-9-5p	FAM123B	Profile7
hsa-miR-137	FAM126B	Profile7
hsa-miR-216b-5p	FAM126B	Profile7
hsa-miR-338-3p	FAM135B	Profile7
hsa-miR-9-5p	FAM13C	Profile7
hsa-miR-124-3p	FAM171A1	Profile7
hsa-miR-218-5p	FAM175B	Profile7
hsa-miR-124-3p	FAM177A1	Profile7
hsa-miR-216b-5p	FAM178A	Profile7
hsa-let-7b-3p	FAM18B2	Profile7
hsa-miR-9-5p	FAM19A5	Profile7
hsa-miR-146b-5p	FAM26E	Profile7
hsa-miR-9-5p	FAM46A	Profile7
hsa-miR-9-5p	FAM46C	Profile7
hsa-miR-124-3p	FAM53B	Profile7
hsa-miR-26a-5p	FAM55C	Profile7
hsa-miR-9-5p	FAM55C	Profile7
hsa-miR-218-5p	FAM5C	Profile7
hsa-miR-218-5p	FAM78A	Profile7
hsa-miR-124-3p	FAR1	Profile7
hsa-miR-9-5p	FARP1	Profile7
hsa-miR-9-5p	FBN2	Profile7
hsa-miR-218-5p	FBRSL1	Profile7
hsa-miR-26a-5p	FBXL19	Profile7
hsa-miR-9-5p	FBXL19	Profile7
hsa-let-7b-3p	FBXL3	Profile7
hsa-miR-9-5p	FBXL3	Profile7
hsa-miR-124-3p	FBXO10	Profile7
hsa-miR-146b-5p	FBXO28	Profile7
hsa-miR-124-3p	FBXO31	Profile7
hsa-miR-216b-5p	FBXO8	Profile7
hsa-miR-9-5p	FBXW2	Profile7
hsa-miR-338-3p	FBXW7	Profile7
hsa-miR-124-3p	FCHO2	Profile7
hsa-miR-338-3p	FGD1	Profile7
hsa-miR-218-5p	FGD4	Profile7
hsa-miR-124-3p	FGD5	Profile7
hsa-miR-124-3p	FGD6	Profile7
hsa-miR-137	FGF9	Profile7
hsa-miR-338-3p	FGFR2	Profile7
hsa-miR-338-3p	FKBP1A	Profile7
hsa-miR-137	FKBP4	Profile7
hsa-miR-9-5p	FKBP7	Profile7
hsa-miR-124-3p	FLOT2	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-216b-5p	FMN1	Profile7
hsa-miR-9-5p	FMR1	Profile7
hsa-miR-124-3p	FNBP1	Profile7
hsa-miR-216b-5p	FNDC3A	Profile7
hsa-miR-26a-5p	FNIP1	Profile7
hsa-miR-9-5p	FNIP1	Profile7
hsa-miR-9-5p	FOXN2	Profile7
hsa-miR-9-5p	FOXP1	Profile7
hsa-miR-9-5p	FOXP2	Profile7
hsa-miR-9-5p	FOXP4	Profile7
hsa-miR-124-3p	FRAS1	Profile7
hsa-miR-218-5p	FRMD4A	Profile7
hsa-miR-124-3p	FRMD4B	Profile7
hsa-miR-26a-5p	FRMD4B	Profile7
hsa-miR-9-5p	FRMD6	Profile7
hsa-miR-124-3p	FRMD8	Profile7
hsa-miR-146b-5p	FRYL	Profile7
hsa-miR-124-3p	FSD1L	Profile7
hsa-miR-9-5p	FSTL1	Profile7
hsa-miR-338-3p	FTSJ1	Profile7
hsa-miR-9-5p	FTSJD1	Profile7
hsa-let-7b-3p	FUBP3	Profile7
hsa-miR-218-5p	FUT9	Profile7
hsa-miR-26a-5p	FUT9	Profile7
hsa-miR-124-3p	FXR1	Profile7
hsa-miR-136-5p	FZD4	Profile7
hsa-let-7b-3p	FZD5	Profile7
hsa-miR-218-5p	GAB2	Profile7
hsa-miR-216b-5p	GABPA	Profile7
hsa-miR-26a-5p	GABRA4	Profile7
hsa-miR-9-5p	GABRB2	Profile7
hsa-miR-124-3p	GALNT10	Profile7
hsa-miR-146b-5p	GALNT10	Profile7
hsa-miR-26a-5p	GALNT10	Profile7
hsa-miR-338-3p	GALNT10	Profile7
hsa-miR-124-3p	GALNT12	Profile7
hsa-miR-9-5p	GALNT3	Profile7
hsa-miR-124-3p	GALNT9	Profile7
hsa-miR-146b-5p	GAS7	Profile7
hsa-miR-124-3p	GATA6	Profile7
hsa-miR-137	GBP3	Profile7
hsa-miR-124-3p	GCH1	Profile7
hsa-miR-9-5p	GCH1	Profile7
hsa-miR-124-3p	GDAP1L1	Profile7
hsa-miR-124-3p	GDAP2	Profile7
hsa-miR-218-5p	GDE1	Profile7
hsa-miR-124-3p	GFPT2	Profile7
hsa-miR-338-3p	GGA1	Profile7
hsa-miR-124-3p	GGA2	Profile7
hsa-miR-338-3p	GGCX	Profile7
hsa-miR-137	GJC1	Profile7
hsa-miR-136-5p	GLIPR2	Profile7
hsa-miR-137	GLRX3	Profile7
hsa-miR-9-5p	GMEB2	Profile7
hsa-miR-9-5p	GNA13	Profile7
hsa-miR-124-3p	GNAI1	Profile7
hsa-miR-124-3p	GNAI2	Profile7
hsa-miR-218-5p	GNAI2	Profile7
hsa-miR-218-5p	GNAO1	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-218-5p	GNB1	Profile7
hsa-miR-338-3p	GNG12	Profile7
hsa-miR-124-3p	GNG2	Profile7
hsa-miR-218-5p	GNG3	Profile7
hsa-miR-218-5p	GNG4	Profile7
hsa-miR-137	GOLGA3	Profile7
hsa-miR-218-5p	GOLGA7	Profile7
hsa-miR-136-5p	GPR26	Profile7
hsa-miR-9-5p	GPR26	Profile7
hsa-miR-137	GPR88	Profile7
hsa-miR-218-5p	GRAMD4	Profile7
hsa-miR-26a-5p	GRB10	Profile7
hsa-miR-218-5p	GREM1	Profile7
hsa-miR-26a-5p	GRHL3	Profile7
hsa-miR-124-3p	GRIA4	Profile7
hsa-miR-9-5p	GRIK3	Profile7
hsa-miR-124-3p	GRIN1	Profile7
hsa-miR-338-3p	GRIN1	Profile7
hsa-let-7b-3p	GRIN2A	Profile7
hsa-miR-216b-5p	GRIN2A	Profile7
hsa-miR-218-5p	GRIP1	Profile7
hsa-miR-146b-5p	GRSF1	Profile7
hsa-miR-26a-5p	GRSF1	Profile7
hsa-miR-124-3p	GSN	Profile7
hsa-miR-26a-5p	GSR	Profile7
hsa-miR-338-3p	GTPBP3	Profile7
hsa-miR-9-5p	GZF1	Profile7
hsa-miR-218-5p	HAPLN1	Profile7
hsa-let-7b-3p	HAUS6	Profile7
hsa-miR-124-3p	HBS1L	Profile7
hsa-miR-9-5p	HCFC2	Profile7
hsa-miR-9-5p	HDAC5	Profile7
hsa-miR-216b-5p	HDAC8	Profile7
hsa-miR-26a-5p	HDAC9	Profile7
hsa-miR-216b-5p	HDLBP	Profile7
hsa-miR-124-3p	HEBP2	Profile7
hsa-miR-218-5p	HECTD2	Profile7
hsa-miR-26a-5p	HECTD3	Profile7
hsa-miR-9-5p	HECW2	Profile7
hsa-miR-26a-5p	HELZ	Profile7
hsa-miR-338-3p	HELZ	Profile7
hsa-miR-124-3p	HEPACAM	Profile7
hsa-miR-26a-5p	HGF	Profile7
hsa-miR-338-3p	HHAT	Profile7
hsa-miR-124-3p	HIC1	Profile7
hsa-miR-9-5p	HIC1	Profile7
hsa-miR-146b-5p	HIC2	Profile7
hsa-miR-9-5p	HIC2	Profile7
hsa-miR-124-3p	HIF1AN	Profile7
hsa-miR-9-5p	HIPK1	Profile7
hsa-miR-136-5p	HIPK2	Profile7
hsa-miR-124-3p	HIVEP3	Profile7
hsa-miR-9-5p	HK2	Profile7
hsa-miR-137	HLF	Profile7
hsa-miR-9-5p	HLTF	Profile7
hsa-miR-9-5p	HMG20A	Profile7
hsa-miR-26a-5p	HMGA1	Profile7
hsa-miR-9-5p	HMGA2	Profile7
hsa-let-7b-3p	HMGN2	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-137	HMGN3	Profile7
hsa-miR-9-5p	HMGXB3	Profile7
hsa-miR-338-3p	HN1	Profile7
hsa-miR-9-5p	HN1L	Profile7
hsa-miR-146b-5p	HNRNPD	Profile7
hsa-miR-136-5p	HOOK3	Profile7
hsa-miR-9-5p	HOOK3	Profile7
hsa-miR-216b-5p	HOXA1	Profile7
hsa-miR-218-5p	HOXA10	Profile7
hsa-miR-26a-5p	HOXA5	Profile7
hsa-miR-9-5p	HOXD1	Profile7
hsa-miR-124-3p	HS6ST3	Profile7
hsa-miR-136-5p	HSPA13	Profile7
hsa-miR-338-3p	HSPC159	Profile7
hsa-miR-136-5p	HTR7	Profile7
hsa-miR-9-5p	ICA1	Profile7
hsa-let-7b-3p	ICK	Profile7
hsa-miR-9-5p	ICMT	Profile7
hsa-miR-136-5p	IER3IP1	Profile7
hsa-miR-216b-5p	IGF2BP2	Profile7
hsa-miR-9-5p	IGF2BP2	Profile7
hsa-miR-9-5p	IGF2BP3	Profile7
hsa-miR-146b-5p	IGSF1	Profile7
hsa-miR-9-5p	IKZF1	Profile7
hsa-let-7b-3p	IL4R	Profile7
hsa-let-7b-3p	IMPACT	Profile7
hsa-miR-124-3p	IMPACT	Profile7
hsa-miR-124-3p	INF2	Profile7
hsa-miR-9-5p	INHBB	Profile7
hsa-let-7b-3p	INO80	Profile7
hsa-miR-136-5p	INO80	Profile7
hsa-miR-137	INPP5A	Profile7
hsa-miR-124-3p	INSIG2	Profile7
hsa-miR-136-5p	INSR	Profile7
hsa-miR-124-3p	INTS6	Profile7
hsa-miR-9-5p	IPO4	Profile7
hsa-miR-338-3p	IPO9	Profile7
hsa-miR-137	IQSEC1	Profile7
hsa-miR-136-5p	IQSEC2	Profile7
hsa-miR-146b-5p	IRAK1	Profile7
hsa-miR-124-3p	IRF1	Profile7
hsa-let-7b-3p	ITCH	Profile7
hsa-miR-124-3p	ITFG3	Profile7
hsa-miR-124-3p	ITGB1	Profile7
hsa-miR-9-5p	ITGB4	Profile7
hsa-miR-218-5p	ITM2C	Profile7
hsa-miR-9-5p	ITPKC	Profile7
hsa-miR-26a-5p	ITPRIP	Profile7
hsa-miR-136-5p	JARID2	Profile7
hsa-miR-26a-5p	JARID2	Profile7
hsa-miR-9-5p	JHDM1D	Profile7
hsa-miR-9-5p	JUB	Profile7
hsa-miR-218-5p	KALRN	Profile7
hsa-miR-26a-5p	KALRN	Profile7
hsa-miR-218-5p	KCNA1	Profile7
hsa-miR-136-5p	KCNG3	Profile7
hsa-miR-9-5p	KCNH1	Profile7
hsa-miR-9-5p	KCNJ14	Profile7
hsa-miR-124-3p	KCNK10	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-124-3p	KCNK2	Profile7
hsa-miR-9-5p	KCNK4	Profile7
hsa-miR-146b-5p	KCTD15	Profile7
hsa-miR-338-3p	KCTD7	Profile7
hsa-miR-9-5p	KDM2A	Profile7
hsa-miR-137	KDM5B	Profile7
hsa-miR-9-5p	KIAA0240	Profile7
hsa-miR-124-3p	KIAA0247	Profile7
hsa-miR-338-3p	KIAA0247	Profile7
hsa-miR-124-3p	KIAA1024	Profile7
hsa-miR-9-5p	KIAA1045	Profile7
hsa-miR-124-3p	KIAA1161	Profile7
hsa-miR-218-5p	KIAA1161	Profile7
hsa-miR-338-3p	KIAA1199	Profile7
hsa-miR-124-3p	KIAA1468	Profile7
hsa-miR-9-5p	KIAA1468	Profile7
hsa-miR-136-5p	KIAA1522	Profile7
hsa-miR-218-5p	KIAA1549	Profile7
hsa-miR-9-5p	KIAA1549	Profile7
hsa-miR-124-3p	KIAA1715	Profile7
hsa-miR-26a-5p	KIAA1737	Profile7
hsa-miR-136-5p	KIAA1949	Profile7
hsa-miR-124-3p	KIAA1958	Profile7
hsa-miR-26a-5p	KIAA2013	Profile7
hsa-let-7b-3p	KIAA2018	Profile7
hsa-miR-216b-5p	KIAA2018	Profile7
hsa-miR-124-3p	KIF16B	Profile7
hsa-let-7b-3p	KIF21A	Profile7
hsa-miR-9-5p	KIF21A	Profile7
hsa-miR-218-5p	KIF21B	Profile7
hsa-miR-218-5p	KIRREL3	Profile7
hsa-miR-137	KLF12	Profile7
hsa-miR-218-5p	KLF12	Profile7
hsa-miR-124-3p	KLF15	Profile7
hsa-miR-9-5p	KLF5	Profile7
hsa-miR-146b-5p	KLF7	Profile7
hsa-miR-218-5p	KLF9	Profile7
hsa-miR-26a-5p	KLHDC5	Profile7
hsa-miR-9-5p	KLHDC5	Profile7
hsa-miR-9-5p	KLHL1	Profile7
hsa-miR-9-5p	KLHL18	Profile7
hsa-miR-137	KLHL28	Profile7
hsa-miR-218-5p	KPNA1	Profile7
hsa-miR-26a-5p	KPNA6	Profile7
hsa-miR-216b-5p	KRAS	Profile7
hsa-miR-218-5p	L3MBTL3	Profile7
hsa-miR-137	L3MBTL4	Profile7
hsa-miR-124-3p	LAMC1	Profile7
hsa-miR-124-3p	LAMP2	Profile7
hsa-miR-216b-5p	LANCL3	Profile7
hsa-miR-9-5p	LARP1	Profile7
hsa-miR-9-5p	LASP1	Profile7
hsa-miR-137	LCP2	Profile7
hsa-miR-9-5p	LDLRAD3	Profile7
hsa-miR-9-5p	LDLRAP1	Profile7
hsa-miR-338-3p	LDOC1L	Profile7
hsa-miR-216b-5p	LENG8	Profile7
hsa-miR-9-5p	LEP	Profile7
hsa-miR-9-5p	LEPRE1	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-26a-5p	LETM1	Profile7
hsa-miR-9-5p	LHFP	Profile7
hsa-miR-124-3p	LHX2	Profile7
hsa-miR-124-3p	LIF	Profile7
hsa-miR-216b-5p	LIMA1	Profile7
hsa-miR-9-5p	LIN28B	Profile7
hsa-let-7b-3p	LIPG	Profile7
hsa-miR-9-5p	LMNA	Profile7
hsa-miR-124-3p	LMO4	Profile7
hsa-miR-124-3p	LNK2	Profile7
hsa-miR-136-5p	LONRF2	Profile7
hsa-miR-218-5p	LPHN1	Profile7
hsa-miR-124-3p	LPP	Profile7
hsa-miR-124-3p	LRCH4	Profile7
hsa-miR-216b-5p	LRIG1	Profile7
hsa-miR-218-5p	LRIG1	Profile7
hsa-miR-216b-5p	LRP4	Profile7
hsa-miR-146b-5p	LRRC15	Profile7
hsa-miR-26a-5p	LRRC16A	Profile7
hsa-miR-137	LRRC20	Profile7
hsa-miR-338-3p	LRRC7	Profile7
hsa-miR-9-5p	LRRC8C	Profile7
hsa-miR-338-3p	LRTOMT	Profile7
hsa-miR-124-3p	LUC7L2	Profile7
hsa-miR-137	LUZP2	Profile7
hsa-miR-218-5p	LYSMD3	Profile7
hsa-miR-124-3p	LZTS1	Profile7
hsa-miR-9-5p	MAEA	Profile7
hsa-miR-9-5p	MAGT1	Profile7
hsa-miR-124-3p	MAML1	Profile7
hsa-miR-124-3p	MANBAL	Profile7
hsa-miR-9-5p	MAP1B	Profile7
hsa-miR-136-5p	MAP2K4	Profile7
hsa-miR-9-5p	MAP2K7	Profile7
hsa-miR-26a-5p	MAP3K2	Profile7
hsa-miR-338-3p	MAP3K3	Profile7
hsa-miR-146b-5p	MAPT	Profile7
hsa-let-7b-3p	MARK1	Profile7
hsa-miR-338-3p	MBD1	Profile7
hsa-miR-218-5p	MBD6	Profile7
hsa-miR-218-5p	MBNL1	Profile7
hsa-miR-218-5p	MBNL2	Profile7
hsa-miR-9-5p	MBTPS1	Profile7
hsa-miR-26a-5p	MCC	Profile7
hsa-miR-124-3p	MCF2	Profile7
hsa-miR-218-5p	MCF2	Profile7
hsa-miR-137	MCTS1	Profile7
hsa-miR-124-3p	MDC1	Profile7
hsa-miR-9-5p	MDGA2	Profile7
hsa-miR-137	MECP2	Profile7
hsa-miR-218-5p	MECP2	Profile7
hsa-miR-218-5p	MED12L	Profile7
hsa-miR-124-3p	MEF2A	Profile7
hsa-miR-9-5p	MEF2C	Profile7
hsa-miR-137	MEGF9	Profile7
hsa-let-7b-3p	MEIS1	Profile7
hsa-miR-9-5p	MGA	Profile7
hsa-miR-124-3p	MIB1	Profile7
hsa-miR-26a-5p	MIB1	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-9-5p	MICAL2	Profile7
hsa-miR-26a-5p	MICAL3	Profile7
hsa-miR-9-5p	MICAL3	Profile7
hsa-miR-124-3p	MID1IP1	Profile7
hsa-miR-136-5p	MID2	Profile7
hsa-miR-26a-5p	MIER3	Profile7
hsa-miR-9-5p	MKL2	Profile7
hsa-miR-26a-5p	MKNK2	Profile7
hsa-miR-124-3p	MKX	Profile7
hsa-miR-137	MLC1	Profile7
hsa-miR-124-3p	MLEC	Profile7
hsa-miR-146b-5p	MLL2	Profile7
hsa-miR-26a-5p	MLLT10	Profile7
hsa-miR-136-5p	MLLT11	Profile7
hsa-miR-9-5p	MLXIP	Profile7
hsa-miR-218-5p	MME	Profile7
hsa-miR-146b-5p	MMP16	Profile7
hsa-miR-9-5p	MMP16	Profile7
hsa-miR-216b-5p	MNT	Profile7
hsa-miR-136-5p	MOBKL1A	Profile7
hsa-miR-338-3p	MORF4L1	Profile7
hsa-miR-338-3p	MORF4L2	Profile7
hsa-miR-9-5p	MRE11A	Profile7
hsa-miR-136-5p	MRPS16	Profile7
hsa-miR-136-5p	MRV11	Profile7
hsa-miR-26a-5p	MTDH	Profile7
hsa-miR-137	MTFR1	Profile7
hsa-miR-218-5p	MTMR1	Profile7
hsa-miR-218-5p	MTPAP	Profile7
hsa-miR-124-3p	MTX3	Profile7
hsa-miR-9-5p	MUM1L1	Profile7
hsa-miR-136-5p	MURC	Profile7
hsa-miR-124-3p	MXD4	Profile7
hsa-miR-137	MXRA7	Profile7
hsa-miR-338-3p	MYCBP2	Profile7
hsa-miR-26a-5p	MYH10	Profile7
hsa-miR-124-3p	MYH11	Profile7
hsa-miR-124-3p	MYLK2	Profile7
hsa-miR-26a-5p	MYLK3	Profile7
hsa-miR-136-5p	MYLK4	Profile7
hsa-miR-124-3p	MYO5A	Profile7
hsa-miR-124-3p	MYO5B	Profile7
hsa-miR-9-5p	MYPN	Profile7
hsa-miR-124-3p	MYRIP	Profile7
hsa-miR-338-3p	MYT1L	Profile7
hsa-miR-338-3p	N4BP2L1	Profile7
hsa-miR-136-5p	NAAA	Profile7
hsa-miR-136-5p	NAALADL2	Profile7
hsa-miR-137	NAB2	Profile7
hsa-miR-146b-5p	NAIF1	Profile7
hsa-miR-124-3p	NAP1L3	Profile7
hsa-miR-9-5p	NAPB	Profile7
hsa-miR-26a-5p	NAV1	Profile7
hsa-miR-137	NCLN	Profile7
hsa-miR-124-3p	NCOA4	Profile7
hsa-miR-9-5p	NCOR2	Profile7
hsa-miR-9-5p	NDE1	Profile7
hsa-miR-137	NDST1	Profile7
hsa-miR-9-5p	NEDD4	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-26a-5p	NEK6	Profile7
hsa-miR-124-3p	NEURL1B	Profile7
hsa-miR-146b-5p	NF2	Profile7
hsa-miR-124-3p	NFASC	Profile7
hsa-miR-146b-5p	NFASC	Profile7
hsa-miR-9-5p	NFASC	Profile7
hsa-miR-124-3p	NFATC1	Profile7
hsa-miR-338-3p	NFIA	Profile7
hsa-miR-124-3p	NFIB	Profile7
hsa-miR-136-5p	NFIB	Profile7
hsa-miR-216b-5p	NFYB	Profile7
hsa-miR-9-5p	NHP2L1	Profile7
hsa-miR-26a-5p	NHS	Profile7
hsa-miR-124-3p	NIPA1	Profile7
hsa-miR-338-3p	NNT	Profile7
hsa-miR-338-3p	NOL4	Profile7
hsa-miR-338-3p	NONO	Profile7
hsa-miR-146b-5p	NOTCH2	Profile7
hsa-miR-9-5p	NOTCH2	Profile7
hsa-miR-136-5p	NOVA1	Profile7
hsa-miR-338-3p	NOVA1	Profile7
hsa-miR-9-5p	NOX4	Profile7
hsa-miR-136-5p	NPAS3	Profile7
hsa-miR-9-5p	NPY2R	Profile7
hsa-miR-9-5p	NR2E1	Profile7
hsa-miR-124-3p	NRAS	Profile7
hsa-miR-9-5p	NRF1	Profile7
hsa-miR-136-5p	NRK	Profile7
hsa-miR-338-3p	NRP1	Profile7
hsa-miR-124-3p	NRP2	Profile7
hsa-miR-137	NRXN1	Profile7
hsa-miR-146b-5p	NSD1	Profile7
hsa-miR-124-3p	NSUN2	Profile7
hsa-miR-216b-5p	NTNG1	Profile7
hsa-miR-136-5p	NTRK2	Profile7
hsa-miR-218-5p	NTRK2	Profile7
hsa-miR-136-5p	NUBPL	Profile7
hsa-miR-218-5p	NUDT10	Profile7
hsa-miR-26a-5p	NUP210	Profile7
hsa-miR-216b-5p	NUP98	Profile7
hsa-miR-9-5p	NUS1	Profile7
hsa-miR-338-3p	NXPH3	Profile7
hsa-miR-124-3p	OAF	Profile7
hsa-miR-9-5p	OBFC1	Profile7
hsa-miR-9-5p	OGDHL	Profile7
hsa-miR-218-5p	OLA1	Profile7
hsa-miR-9-5p	ONECUT1	Profile7
hsa-miR-218-5p	ONECUT2	Profile7
hsa-miR-26a-5p	ONECUT2	Profile7
hsa-miR-9-5p	ONECUT2	Profile7
hsa-miR-9-5p	OPN3	Profile7
hsa-miR-124-3p	OPRK1	Profile7
hsa-miR-9-5p	OPTN	Profile7
hsa-miR-124-3p	OSBPL10	Profile7
hsa-miR-9-5p	OSBPL11	Profile7
hsa-miR-338-3p	OSBPL3	Profile7
hsa-miR-136-5p	OSTM1	Profile7
hsa-miR-218-5p	OTUB2	Profile7
hsa-miR-136-5p	OTUD3	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-218-5p	OTUD7B	Profile7
hsa-miR-124-3p	OVOL1	Profile7
hsa-miR-124-3p	OVOL2	Profile7
hsa-miR-218-5p	OXSRI	Profile7
hsa-miR-216b-5p	P2RX7	Profile7
hsa-miR-136-5p	P2RY2	Profile7
hsa-miR-124-3p	PAFAH1B1	Profile7
hsa-miR-26a-5p	PAG1	Profile7
hsa-miR-9-5p	PAK2	Profile7
hsa-miR-9-5p	PALM2	Profile7
hsa-miR-124-3p	PAM	Profile7
hsa-miR-9-5p	PANK3	Profile7
hsa-miR-26a-5p	PAPD4	Profile7
hsa-miR-338-3p	PAPD5	Profile7
hsa-miR-124-3p	PAPOLG	Profile7
hsa-miR-338-3p	PAPPA	Profile7
hsa-miR-124-3p	PARP9	Profile7
hsa-miR-136-5p	PATL1	Profile7
hsa-miR-136-5p	PAX6	Profile7
hsa-miR-136-5p	PBLD	Profile7
hsa-miR-9-5p	PBRM1	Profile7
hsa-let-7b-3p	PBX1	Profile7
hsa-miR-1468-5p	PCBP2	Profile7
hsa-miR-124-3p	PCDH1	Profile7
hsa-miR-26a-5p	PCDH18	Profile7
hsa-miR-218-5p	PCDHA1	Profile7
hsa-miR-338-3p	PCGF3	Profile7
hsa-miR-137	PCGF5	Profile7
hsa-miR-9-5p	PCGF5	Profile7
hsa-miR-9-5p	PCLO	Profile7
hsa-miR-26a-5p	PCNX	Profile7
hsa-miR-9-5p	PCSK2	Profile7
hsa-miR-9-5p	PCSK6	Profile7
hsa-miR-9-5p	PDCD6IP	Profile7
hsa-miR-124-3p	PDE10A	Profile7
hsa-miR-218-5p	PDE12	Profile7
hsa-miR-9-5p	PDE3B	Profile7
hsa-miR-124-3p	PDE4B	Profile7
hsa-miR-26a-5p	PDE4B	Profile7
hsa-miR-9-5p	PDE7B	Profile7
hsa-miR-9-5p	PDGFC	Profile7
hsa-miR-26a-5p	PDHX	Profile7
hsa-miR-216b-5p	PDIK1L	Profile7
hsa-miR-338-3p	PDIK1L	Profile7
hsa-miR-124-3p	PDZD2	Profile7
hsa-miR-124-3p	PECR	Profile7
hsa-miR-124-3p	PEX19	Profile7
hsa-miR-218-5p	PEX5L	Profile7
hsa-miR-26a-5p	PFKFB2	Profile7
hsa-miR-26a-5p	PGR	Profile7
hsa-let-7b-3p	PHC3	Profile7
hsa-miR-218-5p	PHC3	Profile7
hsa-miR-124-3p	PHF17	Profile7
hsa-miR-218-5p	PHF20	Profile7
hsa-let-7b-3p	PHF20L1	Profile7
hsa-miR-338-3p	PHF20L1	Profile7
hsa-miR-136-5p	PHF8	Profile7
hsa-miR-9-5p	PHF8	Profile7
hsa-miR-124-3p	PHKA1	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-136-5p	PHKA1	Profile7
hsa-miR-124-3p	PHLDB1	Profile7
hsa-miR-9-5p	PHLDB2	Profile7
hsa-miR-338-3p	PI4K2B	Profile7
hsa-miR-124-3p	PIK3C2A	Profile7
hsa-miR-26a-5p	PIM1	Profile7
hsa-miR-124-3p	PIM3	Profile7
hsa-miR-9-5p	PIP4K2B	Profile7
hsa-miR-9-5p	PITPNM2	Profile7
hsa-miR-9-5p	PLAG1	Profile7
hsa-miR-218-5p	PLCG1	Profile7
hsa-miR-136-5p	PLCXD3	Profile7
hsa-miR-216b-5p	PLD1	Profile7
hsa-miR-216b-5p	PLEKHA2	Profile7
hsa-miR-124-3p	PLEKHF2	Profile7
hsa-miR-9-5p	PLSCR3	Profile7
hsa-miR-124-3p	PLXNA2	Profile7
hsa-miR-124-3p	PLXNA3	Profile7
hsa-miR-26a-5p	PLXND1	Profile7
hsa-miR-124-3p	PML	Profile7
hsa-miR-124-3p	PNKD	Profile7
hsa-miR-124-3p	PNPLA2	Profile7
hsa-miR-124-3p	PODN	Profile7
hsa-miR-216b-5p	POF1B	Profile7
hsa-miR-338-3p	POLR3A	Profile7
hsa-miR-26a-5p	PON1	Profile7
hsa-miR-9-5p	PPARD	Profile7
hsa-miR-136-5p	PPARGC1A	Profile7
hsa-miR-124-3p	PPIF	Profile7
hsa-miR-146b-5p	PPM1A	Profile7
hsa-miR-137	PPM1E	Profile7
hsa-miR-9-5p	PPM1F	Profile7
hsa-miR-26a-5p	PPM1H	Profile7
hsa-miR-146b-5p	PPP1R11	Profile7
hsa-miR-338-3p	PPP1R1A	Profile7
hsa-miR-124-3p	PPP1R3B	Profile7
hsa-let-7b-3p	PPP4R2	Profile7
hsa-miR-9-5p	PRDM1	Profile7
hsa-miR-136-5p	PRDM5	Profile7
hsa-miR-124-3p	PRDX6	Profile7
hsa-miR-26a-5p	PRKCD	Profile7
hsa-miR-146b-5p	PRKCE	Profile7
hsa-miR-218-5p	PRKCE	Profile7
hsa-miR-124-3p	PRLR	Profile7
hsa-miR-218-5p	PRLR	Profile7
hsa-miR-9-5p	PRLR	Profile7
hsa-miR-1468-5p	PRRT2	Profile7
hsa-miR-124-3p	PRRX1	Profile7
hsa-miR-9-5p	PSD3	Profile7
hsa-miR-216b-5p	PSIP1	Profile7
hsa-miR-136-5p	PSME4	Profile7
hsa-miR-124-3p	PTAR1	Profile7
hsa-miR-124-3p	PTBP2	Profile7
hsa-miR-9-5p	PTBP2	Profile7
hsa-miR-216b-5p	PTCHD1	Profile7
hsa-miR-26a-5p	PTEN	Profile7
hsa-miR-26a-5p	PTER	Profile7
hsa-miR-26a-5p	PTP4A1	Profile7
hsa-let-7b-3p	PTPN11	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-216b-5p	PTPN11	Profile7
hsa-miR-218-5p	PTPN11	Profile7
hsa-miR-124-3p	PTPN12	Profile7
hsa-miR-26a-5p	PTPN13	Profile7
hsa-miR-218-5p	PTPRT	Profile7
hsa-miR-338-3p	PTPRT	Profile7
hsa-miR-124-3p	PTPRZ1	Profile7
hsa-let-7b-3p	PUM2	Profile7
hsa-miR-9-5p	PUS10	Profile7
hsa-miR-124-3p	PVRL2	Profile7
hsa-miR-9-5p	PXDN	Profile7
hsa-miR-9-5p	PYGO2	Profile7
hsa-miR-124-3p	QSER1	Profile7
hsa-miR-124-3p	RAB10	Profile7
hsa-miR-124-3p	RAB11FIP1	Profile7
hsa-miR-216b-5p	RAB11FIP1	Profile7
hsa-miR-124-3p	RAB11FIP4	Profile7
hsa-miR-9-5p	RAB11FIP4	Profile7
hsa-miR-338-3p	RAB14	Profile7
hsa-miR-137	RAB35	Profile7
hsa-miR-124-3p	RAB3IL1	Profile7
hsa-miR-26a-5p	RAB3IP	Profile7
hsa-miR-218-5p	RABEP1	Profile7
hsa-miR-9-5p	RABGEF1	Profile7
hsa-miR-124-3p	RAD17	Profile7
hsa-miR-9-5p	RALGDS	Profile7
hsa-miR-124-3p	RANBP10	Profile7
hsa-miR-9-5p	RANBP17	Profile7
hsa-miR-9-5p	RANBP2	Profile7
hsa-miR-218-5p	RAP1GDS1	Profile7
hsa-miR-124-3p	RAPGEF1	Profile7
hsa-miR-124-3p	RAPH1	Profile7
hsa-miR-137	RAPH1	Profile7
hsa-miR-218-5p	RASSF2	Profile7
hsa-miR-124-3p	RASSF5	Profile7
hsa-miR-124-3p	RBCK1	Profile7
hsa-miR-9-5p	RBM11	Profile7
hsa-miR-124-3p	RBM24	Profile7
hsa-miR-26a-5p	RBM24	Profile7
hsa-miR-137	RBM41	Profile7
hsa-miR-124-3p	RBM47	Profile7
hsa-miR-216b-5p	RBM47	Profile7
hsa-miR-218-5p	RBM47	Profile7
hsa-miR-124-3p	RBMS2	Profile7
hsa-miR-9-5p	RC3H1	Profile7
hsa-miR-124-3p	RCBTB2	Profile7
hsa-miR-26a-5p	RCN2	Profile7
hsa-miR-136-5p	RCOR3	Profile7
hsa-miR-124-3p	REEP2	Profile7
hsa-miR-26a-5p	REEP3	Profile7
hsa-miR-26a-5p	REEP4	Profile7
hsa-miR-124-3p	RELA	Profile7
hsa-let-7b-3p	REV3L	Profile7
hsa-miR-124-3p	RFX1	Profile7
hsa-miR-124-3p	RFX4	Profile7
hsa-miR-136-5p	RGS4	Profile7
hsa-miR-338-3p	RGS6	Profile7
hsa-miR-218-5p	RHOBTB1	Profile7
hsa-miR-124-3p	RHOG	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-9-5p	RHOQ	Profile7
hsa-miR-124-3p	RHOU	Profile7
hsa-miR-9-5p	RIC3	Profile7
hsa-miR-218-5p	RICTOR	Profile7
hsa-miR-218-5p	RIF1	Profile7
hsa-miR-124-3p	RILPL1	Profile7
hsa-miR-136-5p	RIMKLB	Profile7
hsa-miR-218-5p	RIMS1	Profile7
hsa-miR-136-5p	RLIM	Profile7
hsa-miR-9-5p	RMND5A	Profile7
hsa-miR-137	RNASE6	Profile7
hsa-miR-146b-5p	RNASEL	Profile7
hsa-miR-218-5p	RNF103	Profile7
hsa-miR-9-5p	RNF111	Profile7
hsa-miR-338-3p	RNF114	Profile7
hsa-miR-136-5p	RNF139	Profile7
hsa-miR-124-3p	RNF141	Profile7
hsa-miR-124-3p	RNF144A	Profile7
hsa-miR-338-3p	RNF144A	Profile7
hsa-miR-9-5p	RNF144A	Profile7
hsa-miR-218-5p	RNF165	Profile7
hsa-miR-9-5p	RNF169	Profile7
hsa-miR-124-3p	RNF213	Profile7
hsa-miR-218-5p	RNF219	Profile7
hsa-miR-137	RNF4	Profile7
hsa-miR-218-5p	ROBO1	Profile7
hsa-miR-218-5p	ROBO2	Profile7
hsa-miR-124-3p	ROD1	Profile7
hsa-miR-137	RORA	Profile7
hsa-miR-218-5p	RORA	Profile7
hsa-miR-338-3p	RPH3A	Profile7
hsa-miR-9-5p	RPS6KA4	Profile7
hsa-miR-26a-5p	RPS6KA6	Profile7
hsa-miR-124-3p	RPS6KB1	Profile7
hsa-miR-124-3p	RRAS	Profile7
hsa-miR-124-3p	RRBP1	Profile7
hsa-miR-146b-5p	RRM2B	Profile7
hsa-miR-218-5p	RTN3	Profile7
hsa-miR-124-3p	RUFY1	Profile7
hsa-miR-218-5p	RUNX2	Profile7
hsa-miR-338-3p	RUSC2	Profile7
hsa-miR-124-3p	RXRA	Profile7
hsa-miR-216b-5p	RXRA	Profile7
hsa-miR-26a-5p	SACS	Profile7
hsa-miR-9-5p	SACS	Profile7
hsa-miR-218-5p	SAMD12	Profile7
hsa-miR-26a-5p	SAMD12	Profile7
hsa-miR-124-3p	SAP30L	Profile7
hsa-miR-9-5p	SAP30L	Profile7
hsa-miR-124-3p	SART3	Profile7
hsa-miR-137	SATB2	Profile7
hsa-miR-124-3p	SBNO2	Profile7
hsa-miR-26a-5p	SC4MOL	Profile7
hsa-miR-124-3p	SCAMP2	Profile7
hsa-miR-137	SCN2A	Profile7
hsa-miR-9-5p	SCN2B	Profile7
hsa-miR-146b-5p	SCN3B	Profile7
hsa-miR-124-3p	SCN7A	Profile7
hsa-miR-137	SCRT1	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-9-5p	SCYL3	Profile7
hsa-miR-124-3p	SDK1	Profile7
hsa-miR-218-5p	SEC61A1	Profile7
hsa-miR-136-5p	SEMA4C	Profile7
hsa-miR-124-3p	SEMA6A	Profile7
hsa-miR-124-3p	SEMA6D	Profile7
hsa-miR-9-5p	SENP1	Profile7
hsa-miR-338-3p	SEPSECS	Profile7
hsa-miR-216b-5p	SERBP1	Profile7
hsa-miR-9-5p	SERBP1	Profile7
hsa-miR-136-5p	SERF2	Profile7
hsa-miR-124-3p	SERINC2	Profile7
hsa-miR-124-3p	SERP1	Profile7
hsa-miR-218-5p	SERP1	Profile7
hsa-miR-124-3p	SESTD1	Profile7
hsa-miR-137	SESTD1	Profile7
hsa-let-7b-3p	SEZ6L	Profile7
hsa-miR-137	SEZ6L2	Profile7
hsa-miR-338-3p	SF3A3	Profile7
hsa-miR-124-3p	SFT2D2	Profile7
hsa-miR-124-3p	SFXN1	Profile7
hsa-miR-9-5p	SFXN2	Profile7
hsa-miR-338-3p	SFXN5	Profile7
hsa-miR-9-5p	SGCD	Profile7
hsa-miR-26a-5p	SGMS2	Profile7
hsa-miR-9-5p	SGMS2	Profile7
hsa-miR-124-3p	SGPL1	Profile7
hsa-miR-9-5p	SGSM1	Profile7
hsa-miR-136-5p	SH3BGRL2	Profile7
hsa-miR-137	SH3BP5	Profile7
hsa-miR-124-3p	SH3GLB1	Profile7
hsa-miR-9-5p	SH3GLB1	Profile7
hsa-miR-124-3p	SH3KBP1	Profile7
hsa-miR-26a-5p	SH3KBP1	Profile7
hsa-miR-124-3p	SH3PXD2A	Profile7
hsa-miR-9-5p	SH3PXD2B	Profile7
hsa-miR-136-5p	SH3TC2	Profile7
hsa-miR-146b-5p	SH3TC2	Profile7
hsa-miR-218-5p	SH3TC2	Profile7
hsa-miR-124-3p	SHANK2	Profile7
hsa-miR-218-5p	SHANK2	Profile7
hsa-miR-9-5p	SHISA2	Profile7
hsa-miR-9-5p	SHROOM4	Profile7
hsa-miR-146b-5p	SIAH2	Profile7
hsa-miR-218-5p	SIK2	Profile7
hsa-miR-9-5p	SIRT1	Profile7
hsa-miR-218-5p	SKAP1	Profile7
hsa-miR-124-3p	SKI	Profile7
hsa-miR-136-5p	SLC12A2	Profile7
hsa-miR-26a-5p	SLC12A2	Profile7
hsa-miR-9-5p	SLC12A5	Profile7
hsa-miR-124-3p	SLC12A9	Profile7
hsa-miR-9-5p	SLC14A1	Profile7
hsa-miR-9-5p	SLC16A12	Profile7
hsa-miR-218-5p	SLC16A14	Profile7
hsa-miR-137	SLC16A6	Profile7
hsa-miR-124-3p	SLC17A5	Profile7
hsa-miR-26a-5p	SLC1A1	Profile7
hsa-miR-216b-5p	SLC22A15	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-9-5p	SLC22A15	Profile7
hsa-miR-26a-5p	SLC22A23	Profile7
hsa-miR-9-5p	SLC25A36	Profile7
hsa-miR-9-5p	SLC26A8	Profile7
hsa-miR-9-5p	SLC27A4	Profile7
hsa-miR-26a-5p	SLC2A13	Profile7
hsa-miR-146b-5p	SLC2A3	Profile7
hsa-miR-9-5p	SLC30A3	Profile7
hsa-miR-9-5p	SLC30A5	Profile7
hsa-miR-124-3p	SLC30A7	Profile7
hsa-miR-9-5p	SLC31A2	Profile7
hsa-miR-26a-5p	SLC33A1	Profile7
hsa-miR-218-5p	SLC35B2	Profile7
hsa-miR-9-5p	SLC36A1	Profile7
hsa-miR-26a-5p	SLC38A1	Profile7
hsa-miR-9-5p	SLC4A1	Profile7
hsa-miR-137	SLC4A7	Profile7
hsa-miR-9-5p	SLC5A6	Profile7
hsa-miR-9-5p	SLC6A12	Profile7
hsa-miR-124-3p	SLC7A14	Profile7
hsa-miR-26a-5p	SLC7A6	Profile7
hsa-miR-9-5p	SLC9A1	Profile7
hsa-miR-124-3p	SLITRK6	Profile7
hsa-miR-26a-5p	SMAD1	Profile7
hsa-miR-26a-5p	SMAD2	Profile7
hsa-miR-216b-5p	SMAD3	Profile7
hsa-let-7b-3p	SMAD4	Profile7
hsa-miR-124-3p	SMAD4	Profile7
hsa-miR-124-3p	SMAD5	Profile7
hsa-miR-9-5p	SMARCA5	Profile7
hsa-miR-137	SMEK1	Profile7
hsa-miR-124-3p	SNAI2	Profile7
hsa-miR-136-5p	SNRK	Profile7
hsa-miR-124-3p	SNTA1	Profile7
hsa-miR-124-3p	SNTB2	Profile7
hsa-miR-9-5p	SNTB2	Profile7
hsa-miR-218-5p	SNX13	Profile7
hsa-miR-124-3p	SNX18	Profile7
hsa-miR-338-3p	SNX18	Profile7
hsa-miR-146b-5p	SNX21	Profile7
hsa-miR-338-3p	SNX30	Profile7
hsa-miR-9-5p	SNX7	Profile7
hsa-miR-9-5p	SOCS4	Profile7
hsa-miR-9-5p	SOCS5	Profile7
hsa-miR-218-5p	SOCS7	Profile7
hsa-miR-9-5p	SON	Profile7
hsa-let-7b-3p	SORBS1	Profile7
hsa-miR-9-5p	SORBS3	Profile7
hsa-miR-124-3p	SORCS1	Profile7
hsa-miR-124-3p	SORD	Profile7
hsa-let-7b-3p	SORL1	Profile7
hsa-miR-146b-5p	SORT1	Profile7
hsa-miR-124-3p	SOS2	Profile7
hsa-miR-124-3p	SP1	Profile7
hsa-miR-124-3p	SP7	Profile7
hsa-miR-9-5p	SPAG9	Profile7
hsa-miR-9-5p	SPG20	Profile7
hsa-miR-338-3p	SPHK2	Profile7
hsa-miR-124-3p	SPIRE1	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-136-5p	SPOCK1	Profile7
hsa-miR-26a-5p	SPOCK2	Profile7
hsa-miR-9-5p	SPRYD4	Profile7
hsa-miR-9-5p	SPTLC2	Profile7
hsa-miR-124-3p	SPTY2D1	Profile7
hsa-miR-9-5p	SRGAP3	Profile7
hsa-miR-9-5p	SRGN	Profile7
hsa-miR-338-3p	SS18L1	Profile7
hsa-miR-136-5p	SS18L2	Profile7
hsa-miR-218-5p	SSH1	Profile7
hsa-miR-26a-5p	SSH2	Profile7
hsa-miR-218-5p	SSPN	Profile7
hsa-miR-26a-5p	SSPN	Profile7
hsa-miR-218-5p	SSR1	Profile7
hsa-miR-26a-5p	SSX2IP	Profile7
hsa-let-7b-3p	ST18	Profile7
hsa-miR-146b-5p	ST8SIA4	Profile7
hsa-miR-26a-5p	STAC2	Profile7
hsa-miR-9-5p	STARD13	Profile7
hsa-miR-124-3p	STAT3	Profile7
hsa-miR-9-5p	STEAP3	Profile7
hsa-miR-146b-5p	STRBP	Profile7
hsa-miR-26a-5p	STYX	Profile7
hsa-miR-338-3p	STYX	Profile7
hsa-miR-124-3p	SUB1	Profile7
hsa-miR-26a-5p	SULF1	Profile7
hsa-miR-338-3p	SULT4A1	Profile7
hsa-miR-136-5p	SYDE1	Profile7
hsa-miR-338-3p	SYN2	Profile7
hsa-miR-136-5p	SYN3	Profile7
hsa-miR-137	SYNCRIP	Profile7
hsa-miR-218-5p	SYNGR1	Profile7
hsa-miR-124-3p	SYPL1	Profile7
hsa-miR-218-5p	SYS1	Profile7
hsa-miR-137	SYT1	Profile7
hsa-miR-9-5p	SYT10	Profile7
hsa-miR-124-3p	SYT14	Profile7
hsa-miR-9-5p	SYT9	Profile7
hsa-miR-137	TAF7L	Profile7
hsa-miR-136-5p	TAL1	Profile7
hsa-miR-338-3p	TANC1	Profile7
hsa-miR-136-5p	TANC2	Profile7
hsa-miR-26a-5p	TANC2	Profile7
hsa-miR-9-5p	TANC2	Profile7
hsa-miR-124-3p	TAOK1	Profile7
hsa-miR-124-3p	TARBP1	Profile7
hsa-miR-124-3p	TBC1D9B	Profile7
hsa-miR-136-5p	TBCEL	Profile7
hsa-miR-9-5p	TBCEL	Profile7
hsa-miR-218-5p	TCF20	Profile7
hsa-miR-124-3p	TCF4	Profile7
hsa-miR-137	TCF4	Profile7
hsa-miR-124-3p	TCTA	Profile7
hsa-miR-146b-5p	TDRKH	Profile7
hsa-miR-9-5p	TESK2	Profile7
hsa-miR-124-3p	TET1	Profile7
hsa-let-7b-3p	TET2	Profile7
hsa-miR-124-3p	TET2	Profile7
hsa-miR-124-3p	TET3	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-26a-5p	TET3	Profile7
hsa-miR-218-5p	TFAP2E	Profile7
hsa-miR-124-3p	TFEB	Profile7
hsa-let-7b-3p	TFRC	Profile7
hsa-miR-9-5p	TGOLN2	Profile7
hsa-miR-9-5p	THOC5	Profile7
hsa-miR-26a-5p	THRAP3	Profile7
hsa-miR-338-3p	THSD7A	Profile7
hsa-miR-218-5p	THTPA	Profile7
hsa-miR-338-3p	TIA1	Profile7
hsa-let-7b-3p	TIAL1	Profile7
hsa-miR-26a-5p	TIAL1	Profile7
hsa-miR-9-5p	TLK1	Profile7
hsa-miR-146b-5p	TLN2	Profile7
hsa-miR-338-3p	TLN2	Profile7
hsa-miR-136-5p	TM9SF3	Profile7
hsa-miR-9-5p	TM9SF3	Profile7
hsa-miR-26a-5p	TMC7	Profile7
hsa-miR-137	TMED5	Profile7
hsa-miR-124-3p	TMEM104	Profile7
hsa-miR-218-5p	TMEM123	Profile7
hsa-miR-124-3p	TMEM128	Profile7
hsa-miR-26a-5p	TMEM135	Profile7
hsa-miR-124-3p	TMEM184B	Profile7
hsa-miR-146b-5p	TMEM194A	Profile7
hsa-miR-9-5p	TMEM196	Profile7
hsa-miR-26a-5p	TMEM2	Profile7
hsa-miR-216b-5p	TMEM200B	Profile7
hsa-miR-218-5p	TMEM25	Profile7
hsa-miR-137	TMEM33	Profile7
hsa-miR-137	TMEM56	Profile7
hsa-miR-9-5p	TMEM63A	Profile7
hsa-let-7b-3p	TMEM68	Profile7
hsa-miR-26a-5p	TMEM68	Profile7
hsa-miR-26a-5p	TMEM86A	Profile7
hsa-miR-124-3p	TMOD1	Profile7
hsa-miR-136-5p	TMTC1	Profile7
hsa-miR-9-5p	TMTC1	Profile7
hsa-miR-218-5p	TNFAIP1	Profile7
hsa-miR-338-3p	TNFRSF1B	Profile7
hsa-miR-9-5p	TNFRSF21	Profile7
hsa-miR-9-5p	TNKS	Profile7
hsa-miR-136-5p	TNPO1	Profile7
hsa-miR-136-5p	TNRC18	Profile7
hsa-miR-124-3p	TNRC6B	Profile7
hsa-miR-146b-5p	TNRC6B	Profile7
hsa-miR-338-3p	TNRC6B	Profile7
hsa-miR-9-5p	TNRC6B	Profile7
hsa-miR-9-5p	TNS1	Profile7
hsa-miR-216b-5p	TOB2	Profile7
hsa-miR-124-3p	TOM1L1	Profile7
hsa-miR-124-3p	TOR3A	Profile7
hsa-miR-124-3p	TP53INP2	Profile7
hsa-miR-218-5p	TPD52	Profile7
hsa-miR-136-5p	TPRG1	Profile7
hsa-miR-218-5p	TRAF5	Profile7
hsa-miR-146b-5p	TRAF6	Profile7
hsa-miR-124-3p	TRAPPC10	Profile7
hsa-miR-146b-5p	TRDMT1	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-338-3p	TRIM33	Profile7
hsa-miR-9-5p	TRIM44	Profile7
hsa-miR-124-3p	TRIM45	Profile7
hsa-miR-136-5p	TRIM52	Profile7
hsa-miR-338-3p	TRIM67	Profile7
hsa-miR-218-5p	TRIM9	Profile7
hsa-miR-9-5p	TRIM9	Profile7
hsa-miR-124-3p	TRIP10	Profile7
hsa-miR-9-5p	TRPM7	Profile7
hsa-miR-218-5p	TRPS1	Profile7
hsa-miR-9-5p	TSC22D2	Profile7
hsa-miR-124-3p	TSC22D4	Profile7
hsa-miR-124-3p	TSEN54	Profile7
hsa-miR-124-3p	TSHZ1	Profile7
hsa-miR-137	TSN	Profile7
hsa-miR-9-5p	TSPAN15	Profile7
hsa-miR-9-5p	TSPAN18	Profile7
hsa-miR-124-3p	TTC26	Profile7
hsa-let-7b-3p	TTC33	Profile7
hsa-miR-338-3p	TTL	Profile7
hsa-miR-9-5p	TTYH2	Profile7
hsa-miR-124-3p	TUB	Profile7
hsa-miR-218-5p	TUB	Profile7
hsa-miR-124-3p	TWSG1	Profile7
hsa-miR-124-3p	TYK2	Profile7
hsa-miR-124-3p	TYSND1	Profile7
hsa-miR-9-5p	UACA	Profile7
hsa-miR-124-3p	UBE2G1	Profile7
hsa-miR-26a-5p	UBE2J1	Profile7
hsa-miR-338-3p	UBE2Q1	Profile7
hsa-miR-9-5p	UBE2Z	Profile7
hsa-miR-9-5p	UBE3C	Profile7
hsa-miR-124-3p	UBE4A	Profile7
hsa-miR-9-5p	UBE4B	Profile7
hsa-miR-338-3p	UBFD1	Profile7
hsa-miR-9-5p	UBFD1	Profile7
hsa-miR-137	UBN2	Profile7
hsa-miR-218-5p	UBR3	Profile7
hsa-miR-124-3p	UBXN1	Profile7
hsa-miR-9-5p	UBXN7	Profile7
hsa-miR-218-5p	UGT8	Profile7
hsa-miR-9-5p	UHMK1	Profile7
hsa-miR-124-3p	UHRF1	Profile7
hsa-miR-146b-5p	UHRF1	Profile7
hsa-miR-26a-5p	ULK2	Profile7
hsa-miR-9-5p	UNKL	Profile7
hsa-miR-216b-5p	USH2A	Profile7
hsa-miR-124-3p	USP1	Profile7
hsa-let-7b-3p	USP12	Profile7
hsa-miR-216b-5p	USP18	Profile7
hsa-miR-146b-5p	USP3	Profile7
hsa-miR-26a-5p	USP3	Profile7
hsa-miR-137	USP30	Profile7
hsa-miR-136-5p	USP37	Profile7
hsa-miR-216b-5p	UVRAG	Profile7
hsa-miR-124-3p	VAMP3	Profile7
hsa-miR-9-5p	VAMP3	Profile7
hsa-miR-124-3p	VANGL1	Profile7
hsa-miR-9-5p	VANGL1	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-137	VASH2	Profile7
hsa-miR-9-5p	VAV3	Profile7
hsa-miR-9-5p	VCAN	Profile7
hsa-miR-136-5p	VCP	Profile7
hsa-miR-9-5p	VGLL4	Profile7
hsa-miR-137	VMA21	Profile7
hsa-miR-216b-5p	VPRBP	Profile7
hsa-miR-216b-5p	VPS41	Profile7
hsa-miR-26a-5p	WAPAL	Profile7
hsa-miR-136-5p	WASF3	Profile7
hsa-miR-216b-5p	WDR92	Profile7
hsa-miR-9-5p	WDTC1	Profile7
hsa-miR-26a-5p	WHSC1	Profile7
hsa-miR-124-3p	WIPF1	Profile7
hsa-miR-26a-5p	WNK3	Profile7
hsa-miR-9-5p	WNT4	Profile7
hsa-miR-146b-5p	WWC2	Profile7
hsa-miR-9-5p	WWP2	Profile7
hsa-miR-136-5p	XIAP	Profile7
hsa-miR-124-3p	XPO4	Profile7
hsa-miR-137	XPO4	Profile7
hsa-miR-338-3p	XRN1	Profile7
hsa-miR-26a-5p	YPEL1	Profile7
hsa-miR-9-5p	YPEL2	Profile7
hsa-miR-216b-5p	YWHAB	Profile7
hsa-miR-218-5p	YWHAZ	Profile7
hsa-miR-9-5p	ZBED3	Profile7
hsa-miR-124-3p	ZBED4	Profile7
hsa-miR-9-5p	ZBTB1	Profile7
hsa-miR-338-3p	ZBTB10	Profile7
hsa-miR-146b-5p	ZBTB2	Profile7
hsa-miR-338-3p	ZBTB39	Profile7
hsa-miR-124-3p	ZBTB41	Profile7
hsa-miR-9-5p	ZBTB41	Profile7
hsa-miR-338-3p	ZBTB43	Profile7
hsa-miR-9-5p	ZBTB44	Profile7
hsa-miR-136-5p	ZBTB5	Profile7
hsa-miR-124-3p	ZBTB6	Profile7
hsa-miR-9-5p	ZBTB7B	Profile7
hsa-miR-124-3p	ZBTB7C	Profile7
hsa-miR-124-3p	ZCCHC24	Profile7
hsa-miR-26a-5p	ZDHHC18	Profile7
hsa-miR-338-3p	ZDHHC18	Profile7
hsa-miR-124-3p	ZDHHC3	Profile7
hsa-miR-26a-5p	ZDHHC6	Profile7
hsa-miR-124-3p	ZDHHC7	Profile7
hsa-miR-218-5p	ZDHHC8	Profile7
hsa-miR-9-5p	ZEB2	Profile7
hsa-miR-124-3p	ZFAND3	Profile7
hsa-miR-218-5p	ZFP91	Profile7
hsa-miR-26a-5p	ZFX	Profile7
hsa-miR-9-5p	ZHX3	Profile7
hsa-miR-136-5p	ZIC3	Profile7
hsa-miR-9-5p	ZKSCAN1	Profile7
hsa-miR-216b-5p	ZMYND11	Profile7
hsa-miR-9-5p	ZNFI31	Profile7
hsa-miR-137	ZNFI48	Profile7
hsa-miR-146b-5p	ZNFI48	Profile7
hsa-miR-26a-5p	ZNFI92	Profile7

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-124-3p	ZNF2	Profile7
hsa-miR-338-3p	ZNF215	Profile7
hsa-miR-218-5p	ZNF236	Profile7
hsa-miR-338-3p	ZNF238	Profile7
hsa-miR-216b-5p	ZNF24	Profile7
hsa-miR-26a-5p	ZNF275	Profile7
hsa-miR-9-5p	ZNF395	Profile7
hsa-miR-9-5p	ZNF48	Profile7
hsa-miR-146b-5p	ZNF512B	Profile7
hsa-miR-216b-5p	ZNF527	Profile7
hsa-miR-26a-5p	ZNF608	Profile7
hsa-miR-136-5p	ZNF618	Profile7
hsa-miR-338-3p	ZNF652	Profile7
hsa-miR-136-5p	ZNF710	Profile7
hsa-miR-137	ZNF770	Profile7
hsa-miR-218-5p	ZNF831	Profile7
hsa-let-7b-3p	ZNRF3	Profile7
hsa-miR-146b-5p	ZNRF3	Profile7
hsa-miR-218-5p	ZRANB1	Profile7
hsa-miR-124-3p	ZSCAN22	Profile7
hsa-miR-218-5p	ZYG11B	Profile7
hsa-miR-146b-3p	MARCH5	Profile9
hsa-miR-146b-3p	MARCH9	Profile9
hsa-miR-28-5p	MARCH9	Profile9
hsa-miR-539-3p	SEPT2	Profile9
hsa-miR-381-3p	SEPT11	Profile9
hsa-miR-100-3p	SEP15	Profile9
hsa-miR-100-3p	AAK1	Profile9
hsa-miR-28-5p	AAK1	Profile9
hsa-miR-381-3p	AAK1	Profile9
hsa-miR-145-3p	ABHD14B	Profile9
hsa-miR-125a-5p	ABR	Profile9
hsa-miR-125a-5p	ACSL6	Profile9
hsa-miR-125a-5p	ADCY1	Profile9
hsa-miR-381-3p	AFF1	Profile9
hsa-miR-381-3p	AGFG1	Profile9
hsa-miR-125a-5p	AGGF1	Profile9
hsa-miR-146b-3p	AK3	Profile9
hsa-miR-125a-5p	AKAP13	Profile9
hsa-miR-125a-5p	ALPK3	Profile9
hsa-miR-125a-5p	ANKH	Profile9
hsa-miR-125a-5p	ANKRD13B	Profile9
hsa-miR-125a-5p	ANKRD50	Profile9
hsa-miR-381-3p	ANKRD50	Profile9
hsa-miR-146b-3p	ANPEP	Profile9
hsa-miR-539-3p	AP3D1	Profile9
hsa-miR-28-5p	ARAF	Profile9
hsa-miR-125a-5p	ARF3	Profile9
hsa-miR-561-5p	ARFGEF2	Profile9
hsa-miR-100-3p	ARHGAP24	Profile9
hsa-miR-125a-5p	ARHGEF1	Profile9
hsa-miR-125a-5p	ARID3B	Profile9
hsa-miR-145-3p	ARNT	Profile9
hsa-miR-381-3p	ASPHD2	Profile9
hsa-miR-125a-5p	ATOH8	Profile9
hsa-miR-125a-5p	ATP1B4	Profile9
hsa-miR-28-5p	ATPAF1	Profile9
hsa-miR-100-3p	ATRN	Profile9
hsa-miR-539-3p	AZIN1	Profile9

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-381-3p	B3GNT2	Profile9
hsa-miR-125a-5p	BAK1	Profile9
hsa-miR-125a-5p	BAP1	Profile9
hsa-miR-125a-5p	BCL2	Profile9
hsa-miR-125a-5p	BCL2L2	Profile9
hsa-miR-100-3p	BHLHE41	Profile9
hsa-miR-381-3p	BIRC6	Profile9
hsa-miR-125a-5p	BMF	Profile9
hsa-miR-539-3p	BMI1	Profile9
hsa-miR-381-3p	BMPR1B	Profile9
hsa-miR-381-3p	BMPR2	Profile9
hsa-miR-125a-5p	BRPF1	Profile9
hsa-miR-146b-3p	BRSK1	Profile9
hsa-miR-146b-3p	BRWD1	Profile9
hsa-miR-381-3p	BTBD7	Profile9
hsa-miR-381-3p	BTF3L4	Profile9
hsa-miR-561-5p	CA13	Profile9
hsa-miR-100-3p	CACNA1C	Profile9
hsa-miR-381-3p	CACNA1C	Profile9
hsa-miR-146b-3p	CAMK2A	Profile9
hsa-miR-381-3p	CAMTA1	Profile9
hsa-miR-28-5p	CANT1	Profile9
hsa-miR-28-5p	CAPN6	Profile9
hsa-miR-28-5p	CAPRIN1	Profile9
hsa-miR-28-5p	CASP2	Profile9
hsa-miR-28-5p	CBL	Profile9
hsa-miR-28-5p	CBX5	Profile9
hsa-miR-146b-3p	CCDC113	Profile9
hsa-miR-28-5p	CCDC6	Profile9
hsa-miR-381-3p	CCND2	Profile9
hsa-miR-28-5p	CCND3	Profile9
hsa-miR-125a-5p	CD300LF	Profile9
hsa-miR-381-3p	CDC42BPA	Profile9
hsa-miR-125a-5p	CDC42BPG	Profile9
hsa-miR-28-5p	CDC42SE1	Profile9
hsa-miR-125a-5p	CDKN2B	Profile9
hsa-miR-146b-3p	CECR1	Profile9
hsa-miR-100-3p	CHD1	Profile9
hsa-miR-28-5p	CHL1	Profile9
hsa-miR-145-3p	CLCN5	Profile9
hsa-miR-381-3p	CLCN5	Profile9
hsa-miR-99a-5p	CLDN11	Profile9
hsa-miR-125a-5p	CLEC16A	Profile9
hsa-miR-539-3p	CLIP3	Profile9
hsa-miR-28-5p	CNTFR	Profile9
hsa-miR-146b-3p	CNTN2	Profile9
hsa-miR-125a-5p	COL11A2	Profile9
hsa-miR-146b-3p	CPEB4	Profile9
hsa-miR-381-3p	CPEB4	Profile9
hsa-miR-28-5p	CREB1	Profile9
hsa-miR-561-5p	CREB1	Profile9
hsa-miR-145-3p	CREB5	Profile9
hsa-miR-100-3p	CREBBP	Profile9
hsa-miR-125a-5p	CRTC1	Profile9
hsa-miR-145-3p	CS	Profile9
hsa-miR-125a-5p	CSNK1G1	Profile9
hsa-miR-28-5p	CSNK1G1	Profile9
hsa-miR-125a-5p	CSNK2A1	Profile9
hsa-miR-145-3p	CTDSP2	Profile9

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-146b-3p	CUX1	Profile9
hsa-miR-561-5p	CYP2U1	Profile9
hsa-miR-125a-5p	CYTH1	Profile9
hsa-miR-125a-5p	DCTN1	Profile9
hsa-miR-146b-3p	DCX	Profile9
hsa-miR-125a-5p	DDX42	Profile9
hsa-miR-125a-5p	DEM1	Profile9
hsa-miR-381-3p	DENND4C	Profile9
hsa-miR-125a-5p	DHX33	Profile9
hsa-miR-125a-5p	DICER1	Profile9
hsa-miR-381-3p	DIO2	Profile9
hsa-miR-145-3p	DIP2B	Profile9
hsa-miR-561-5p	DIP2B	Profile9
hsa-miR-381-3p	DIP2C	Profile9
hsa-miR-28-5p	DKK3	Profile9
hsa-miR-381-3p	DLGAP2	Profile9
hsa-miR-100-3p	DLGAP3	Profile9
hsa-miR-100-3p	DMRTC2	Profile9
hsa-miR-146b-3p	DNAJB12	Profile9
hsa-miR-125a-5p	DNAJB2	Profile9
hsa-miR-125a-5p	DNAL4	Profile9
hsa-miR-146b-3p	DNMT3A	Profile9
hsa-miR-561-5p	DOK6	Profile9
hsa-miR-125a-5p	DPH2	Profile9
hsa-miR-561-5p	DPH2	Profile9
hsa-miR-125a-5p	DTX4	Profile9
hsa-miR-125a-5p	DUSP3	Profile9
hsa-miR-145-3p	DUSP3	Profile9
hsa-miR-381-3p	DYRK1A	Profile9
hsa-miR-539-3p	DYRK1A	Profile9
hsa-miR-125a-5p	E2F2	Profile9
hsa-miR-28-5p	E2F6	Profile9
hsa-miR-100-3p	EBF1	Profile9
hsa-miR-125a-5p	EDEM1	Profile9
hsa-miR-28-5p	EFR3B	Profile9
hsa-miR-381-3p	EIF4A1	Profile9
hsa-miR-125a-5p	ELAVL1	Profile9
hsa-miR-381-3p	ELAVL1	Profile9
hsa-miR-539-3p	ELAVL2	Profile9
hsa-miR-381-3p	EML1	Profile9
hsa-miR-146b-3p	EMX1	Profile9
hsa-miR-381-3p	EN1	Profile9
hsa-miR-125a-5p	ENTPD1	Profile9
hsa-miR-125a-5p	ENTPD3	Profile9
hsa-miR-381-3p	EPB41	Profile9
hsa-miR-381-3p	EPB41L1	Profile9
hsa-miR-145-3p	EPB41L4B	Profile9
hsa-miR-28-5p	EPDR1	Profile9
hsa-miR-381-3p	EPS8	Profile9
hsa-miR-539-3p	ERC2	Profile9
hsa-miR-381-3p	ERCC4	Profile9
hsa-miR-146b-3p	ESR1	Profile9
hsa-miR-28-5p	ETF1	Profile9
hsa-miR-381-3p	ETF1	Profile9
hsa-miR-125a-5p	ETS1	Profile9
hsa-miR-539-3p	ETV1	Profile9
hsa-miR-561-5p	ETV3	Profile9
hsa-miR-28-5p	EYA3	Profile9
hsa-miR-125a-5p	FAM107B	Profile9

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-381-3p	FAM107B	Profile9
hsa-miR-561-5p	FAM110B	Profile9
hsa-miR-125a-5p	FAM116A	Profile9
hsa-miR-28-5p	FAM123B	Profile9
hsa-miR-125a-5p	FAM134C	Profile9
hsa-miR-539-3p	FAM134C	Profile9
hsa-miR-28-5p	FAM135B	Profile9
hsa-miR-146b-3p	FAM160B1	Profile9
hsa-miR-125a-5p	FAM169B	Profile9
hsa-miR-125a-5p	FAM176A	Profile9
hsa-miR-146b-3p	FAM54B	Profile9
hsa-miR-539-3p	FAM60A	Profile9
hsa-miR-125a-5p	FAM78A	Profile9
hsa-miR-145-3p	FANCA	Profile9
hsa-miR-561-5p	FBXO32	Profile9
hsa-miR-125a-5p	FBXW4	Profile9
hsa-miR-125a-5p	FGF9	Profile9
hsa-miR-381-3p	FGFR2	Profile9
hsa-miR-99a-5p	FGFR3	Profile9
hsa-miR-146b-3p	FMNL3	Profile9
hsa-miR-125a-5p	FNDCC3B	Profile9
hsa-miR-381-3p	FOXO1	Profile9
hsa-miR-125a-5p	FURIN	Profile9
hsa-miR-100-3p	FXR1	Profile9
hsa-miR-100-3p	FZD5	Profile9
hsa-miR-381-3p	GABARAPL1	Profile9
hsa-miR-381-3p	GABRG1	Profile9
hsa-miR-125a-5p	GALNT14	Profile9
hsa-miR-146b-3p	GALT	Profile9
hsa-miR-381-3p	GAS2	Profile9
hsa-miR-381-3p	GATAD2A	Profile9
hsa-miR-125a-5p	GCNT1	Profile9
hsa-miR-381-3p	GDAP2	Profile9
hsa-miR-146b-3p	GDPD5	Profile9
hsa-miR-125a-5p	GGA2	Profile9
hsa-miR-125a-5p	GGT7	Profile9
hsa-miR-125a-5p	GK5	Profile9
hsa-miR-146b-3p	GLIS2	Profile9
hsa-miR-125a-5p	GMIP	Profile9
hsa-miR-561-5p	GNA13	Profile9
hsa-miR-28-5p	GNG12	Profile9
hsa-miR-28-5p	GOLT1A	Profile9
hsa-miR-561-5p	GOLT1A	Profile9
hsa-miR-28-5p	GON4L	Profile9
hsa-miR-381-3p	GPC1	Profile9
hsa-miR-539-3p	GPC1	Profile9
hsa-miR-125a-5p	GPC4	Profile9
hsa-miR-125a-5p	GPR107	Profile9
hsa-miR-125a-5p	GPR114	Profile9
hsa-miR-125a-5p	GRB10	Profile9
hsa-miR-145-3p	GRIA1	Profile9
hsa-miR-28-5p	GRIA4	Profile9
hsa-miR-125a-5p	GRIP2	Profile9
hsa-miR-28-5p	GRIP2	Profile9
hsa-miR-381-3p	GRM1	Profile9
hsa-miR-561-5p	GSPT1	Profile9
hsa-miR-125a-5p	GTPBP2	Profile9
hsa-miR-145-3p	HBP1	Profile9
hsa-miR-125a-5p	HDDC3	Profile9

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-561-5p	HDLBP	Profile9
hsa-miR-125a-5p	HIC2	Profile9
hsa-miR-125a-5p	HIF1AN	Profile9
hsa-miR-381-3p	HIPK1	Profile9
hsa-miR-381-3p	HIVEP2	Profile9
hsa-miR-539-3p	HNRNPH2	Profile9
hsa-miR-100-3p	HNRNPUL1	Profile9
hsa-miR-145-3p	HOMER2	Profile9
hsa-miR-99a-5p	HOXA1	Profile9
hsa-miR-125a-5p	HOXB3	Profile9
hsa-miR-28-5p	HOXB3	Profile9
hsa-miR-381-3p	HS2ST1	Profile9
hsa-miR-145-3p	HTR7	Profile9
hsa-miR-146b-3p	ICA1L	Profile9
hsa-miR-381-3p	ID2	Profile9
hsa-miR-125a-5p	IER2	Profile9
hsa-miR-28-5p	IGF2BP1	Profile9
hsa-miR-125a-5p	IKZF4	Profile9
hsa-miR-381-3p	IL15RA	Profile9
hsa-miR-561-5p	IL17RA	Profile9
hsa-miR-146b-3p	IL2RB	Profile9
hsa-miR-125a-5p	IL6R	Profile9
hsa-miR-28-5p	IMPDH1	Profile9
hsa-miR-145-3p	INO80	Profile9
hsa-miR-100-3p	INO80D	Profile9
hsa-miR-125a-5p	INO80D	Profile9
hsa-miR-381-3p	INSIG1	Profile9
hsa-miR-125a-5p	INTS7	Profile9
hsa-miR-125a-5p	IP6K1	Profile9
hsa-miR-561-5p	IPO5	Profile9
hsa-miR-381-3p	IPO7	Profile9
hsa-miR-125a-5p	IQSEC2	Profile9
hsa-miR-145-3p	ITGA10	Profile9
hsa-miR-28-5p	ITPKB	Profile9
hsa-miR-145-3p	KCND2	Profile9
hsa-miR-146b-3p	KCNJ10	Profile9
hsa-miR-125a-5p	KCNJ12	Profile9
hsa-miR-146b-3p	KCNJ14	Profile9
hsa-miR-125a-5p	KCNK10	Profile9
hsa-miR-146b-3p	KCNQ1	Profile9
hsa-miR-125a-5p	KCTD15	Profile9
hsa-miR-125a-5p	KCTD21	Profile9
hsa-miR-125a-5p	KIAA0174	Profile9
hsa-miR-125a-5p	KIAA1244	Profile9
hsa-miR-125a-5p	KIAA1543	Profile9
hsa-miR-125a-5p	KIAA1841	Profile9
hsa-miR-381-3p	KIAA1967	Profile9
hsa-miR-146b-3p	KIF3C	Profile9
hsa-miR-381-3p	KLF12	Profile9
hsa-miR-125a-5p	KLF13	Profile9
hsa-miR-145-3p	KLHL3	Profile9
hsa-miR-381-3p	KPNA3	Profile9
hsa-miR-100-3p	KPNA4	Profile9
hsa-miR-125a-5p	KPNA6	Profile9
hsa-miR-125a-5p	KSR2	Profile9
hsa-miR-381-3p	LARP4	Profile9
hsa-miR-125a-5p	LCLAT1	Profile9
hsa-miR-100-3p	LCORL	Profile9
hsa-miR-125a-5p	LFNG	Profile9

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-125a-5p	LIF	Profile9
hsa-miR-125a-5p	LIMD2	Profile9
hsa-miR-125a-5p	LIMK1	Profile9
hsa-miR-381-3p	LMO3	Profile9
hsa-miR-125a-5p	LONRF2	Profile9
hsa-miR-145-3p	LOX	Profile9
hsa-miR-145-3p	LPCAT3	Profile9
hsa-miR-381-3p	LPNH1	Profile9
hsa-miR-381-3p	LRFN1	Profile9
hsa-miR-125a-5p	LRFN2	Profile9
hsa-miR-145-3p	LRRC2	Profile9
hsa-miR-145-3p	LRRC3	Profile9
hsa-miR-381-3p	LRRC4	Profile9
hsa-miR-125a-5p	LRRC8A	Profile9
hsa-miR-145-3p	LRRTM1	Profile9
hsa-miR-146b-3p	LSM14B	Profile9
hsa-miR-100-3p	LUZP1	Profile9
hsa-miR-125a-5p	LUZP1	Profile9
hsa-miR-28-5p	LYPD3	Profile9
hsa-miR-539-3p	MAGI2	Profile9
hsa-miR-125a-5p	MAN1B1	Profile9
hsa-miR-125a-5p	MAP2K7	Profile9
hsa-miR-125a-5p	MAP3K10	Profile9
hsa-miR-125a-5p	MAP3K3	Profile9
hsa-miR-125a-5p	MAPK14	Profile9
hsa-miR-145-3p	MAPK14	Profile9
hsa-miR-125a-5p	MAPKAPK2	Profile9
hsa-miR-125a-5p	MASP1	Profile9
hsa-miR-539-3p	MAT2B	Profile9
hsa-miR-125a-5p	MAVS	Profile9
hsa-miR-381-3p	MBNL1	Profile9
hsa-miR-28-5p	MCM9	Profile9
hsa-miR-146b-3p	MDGA1	Profile9
hsa-miR-28-5p	MDGA1	Profile9
hsa-miR-381-3p	MED13	Profile9
hsa-miR-539-3p	MED13	Profile9
hsa-miR-125a-5p	MED15	Profile9
hsa-miR-381-3p	MEF2C	Profile9
hsa-miR-125a-5p	MEGF9	Profile9
hsa-miR-539-3p	MEIS2	Profile9
hsa-miR-125a-5p	MFHAS1	Profile9
hsa-miR-125a-5p	MFN1	Profile9
hsa-miR-125a-5p	MGAT4A	Profile9
hsa-miR-145-3p	MID1	Profile9
hsa-miR-146b-3p	MKL2	Profile9
hsa-miR-125a-5p	MLF2	Profile9
hsa-miR-381-3p	MMAB	Profile9
hsa-miR-125a-5p	MMP11	Profile9
hsa-miR-561-5p	MMP19	Profile9
hsa-miR-145-3p	MOBKL1A	Profile9
hsa-miR-146b-3p	MOBKL1A	Profile9
hsa-miR-145-3p	MPHOSPH9	Profile9
hsa-miR-381-3p	MPHOSPH9	Profile9
hsa-miR-28-5p	MPL	Profile9
hsa-miR-125a-5p	MSI1	Profile9
hsa-miR-125a-5p	MSL1	Profile9
hsa-miR-125a-5p	MSRB3	Profile9
hsa-miR-100-3p	MTF1	Profile9
hsa-miR-125a-5p	MTF1	Profile9

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-125a-5p	MTMR3	Profile9
hsa-miR-28-5p	MTMR3	Profile9
hsa-miR-99a-5p	MTMR3	Profile9
hsa-miR-125a-5p	MTUS1	Profile9
hsa-miR-125a-5p	MUL1	Profile9
hsa-miR-125a-5p	MXD4	Profile9
hsa-miR-561-5p	MYO1A	Profile9
hsa-miR-125a-5p	MYT1	Profile9
hsa-miR-28-5p	N4BP1	Profile9
hsa-miR-381-3p	N4BP2	Profile9
hsa-miR-561-5p	NARG2	Profile9
hsa-miR-381-3p	NBR1	Profile9
hsa-miR-125a-5p	NCAN	Profile9
hsa-miR-100-3p	NDRG1	Profile9
hsa-miR-125a-5p	NECAB3	Profile9
hsa-miR-381-3p	NFAT5	Profile9
hsa-miR-145-3p	NFIA	Profile9
hsa-miR-539-3p	NFIA	Profile9
hsa-miR-125a-5p	NFIB	Profile9
hsa-miR-539-3p	NFYB	Profile9
hsa-miR-125a-5p	NIPAL4	Profile9
hsa-miR-28-5p	NNAT	Profile9
hsa-miR-381-3p	NOC3L	Profile9
hsa-miR-145-3p	NPNT	Profile9
hsa-miR-146b-3p	NR2C2	Profile9
hsa-miR-381-3p	NR5A2	Profile9
hsa-miR-146b-3p	NRCAM	Profile9
hsa-miR-381-3p	NRF1	Profile9
hsa-miR-146b-3p	NRP2	Profile9
hsa-miR-381-3p	NRP2	Profile9
hsa-miR-100-3p	NSUN5	Profile9
hsa-miR-125a-5p	NT5DC1	Profile9
hsa-miR-381-3p	NTN4	Profile9
hsa-miR-561-5p	NTRK2	Profile9
hsa-miR-381-3p	NUFIP2	Profile9
hsa-miR-561-5p	NUFIP2	Profile9
hsa-miR-125a-5p	NUP210	Profile9
hsa-miR-125a-5p	NXF1	Profile9
hsa-miR-381-3p	ODZ1	Profile9
hsa-miR-145-3p	OGT	Profile9
hsa-miR-136-3p	OLA1	Profile9
hsa-miR-125a-5p	ONECUT2	Profile9
hsa-miR-28-5p	OTUB1	Profile9
hsa-miR-100-3p	PACSL1	Profile9
hsa-miR-125a-5p	PAFAH1B1	Profile9
hsa-miR-125a-5p	PAPOLA	Profile9
hsa-miR-100-3p	PAQR8	Profile9
hsa-miR-381-3p	PBX1	Profile9
hsa-miR-381-3p	PCDH7	Profile9
hsa-miR-146b-3p	PCDHGA1	Profile9
hsa-miR-561-5p	PCNX	Profile9
hsa-miR-125a-5p	PCTP	Profile9
hsa-miR-125a-5p	PDPR	Profile9
hsa-miR-381-3p	PDS5A	Profile9
hsa-miR-28-5p	PDZD4	Profile9
hsa-miR-125a-5p	PELI2	Profile9
hsa-miR-381-3p	PEX13	Profile9
hsa-miR-145-3p	PEX19	Profile9
hsa-miR-146b-3p	PFKFB4	Profile9

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-28-5p	PFKM	Profile9
hsa-miR-125a-5p	PHC2	Profile9
hsa-miR-125a-5p	PHF15	Profile9
hsa-miR-381-3p	PHF2	Profile9
hsa-miR-146b-3p	PIK3C2B	Profile9
hsa-miR-125a-5p	PIP5K1C	Profile9
hsa-miR-125a-5p	PIP5KL1	Profile9
hsa-miR-125a-5p	PLAGL2	Profile9
hsa-miR-539-3p	PLCXD3	Profile9
hsa-miR-381-3p	PLEKHA6	Profile9
hsa-miR-145-3p	PNMA2	Profile9
hsa-miR-125a-5p	PODXL	Profile9
hsa-miR-145-3p	POLE3	Profile9
hsa-miR-28-5p	POM121	Profile9
hsa-miR-28-5p	POM121C	Profile9
hsa-miR-146b-3p	POU2F2	Profile9
hsa-miR-539-3p	PPARGC1A	Profile9
hsa-miR-125a-5p	PPAT	Profile9
hsa-miR-125a-5p	PPM1A	Profile9
hsa-miR-125a-5p	PPP1R12B	Profile9
hsa-miR-146b-3p	PPP1R12C	Profile9
hsa-miR-146b-3p	PPP1R1B	Profile9
hsa-miR-381-3p	PPP1R3F	Profile9
hsa-miR-381-3p	PPP3CA	Profile9
hsa-miR-125a-5p	PRDM1	Profile9
hsa-miR-146b-3p	PRKAA1	Profile9
hsa-miR-146b-3p	PRPF40A	Profile9
hsa-miR-539-3p	PRPF40A	Profile9
hsa-miR-125a-5p	PRRC1	Profile9
hsa-miR-145-3p	PSMA1	Profile9
hsa-miR-125a-5p	PSMB8	Profile9
hsa-miR-146b-3p	PTCHD1	Profile9
hsa-miR-125a-5p	PTH1R	Profile9
hsa-miR-539-3p	PTMA	Profile9
hsa-miR-125a-5p	PTPN18	Profile9
hsa-miR-125a-5p	PVRL2	Profile9
hsa-miR-145-3p	QKI	Profile9
hsa-miR-381-3p	QKI	Profile9
hsa-miR-28-5p	RAB14	Profile9
hsa-miR-146b-3p	RAB3B	Profile9
hsa-miR-145-3p	RAB3GAP1	Profile9
hsa-miR-125a-5p	RAB3IP	Profile9
hsa-miR-125a-5p	RAB8B	Profile9
hsa-miR-28-5p	RAB8B	Profile9
hsa-miR-145-3p	RAD52	Profile9
hsa-miR-146b-3p	RAF1	Profile9
hsa-miR-146b-3p	RALGPS1	Profile9
hsa-miR-125a-5p	RAPGEFL1	Profile9
hsa-miR-381-3p	RAPGEFL1	Profile9
hsa-miR-125a-5p	RASAL2	Profile9
hsa-miR-146b-3p	RASAL2	Profile9
hsa-miR-146b-3p	RASL10B	Profile9
hsa-miR-381-3p	RBM12B	Profile9
hsa-miR-28-5p	RCVRN	Profile9
hsa-miR-100-3p	REPS2	Profile9
hsa-miR-125a-5p	RET	Profile9
hsa-miR-539-3p	RGS14	Profile9
hsa-miR-28-5p	RGS16	Profile9
hsa-miR-125a-5p	RHOQ	Profile9

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-539-3p	RHOQ	Profile9
hsa-miR-125a-5p	RIMKLA	Profile9
hsa-miR-539-3p	RIMKLA	Profile9
hsa-miR-561-5p	RLIM	Profile9
hsa-miR-381-3p	RNF114	Profile9
hsa-miR-381-3p	RNF2	Profile9
hsa-miR-100-3p	RORA	Profile9
hsa-miR-28-5p	RORA	Profile9
hsa-miR-381-3p	RPL22	Profile9
hsa-miR-381-3p	RPRD1A	Profile9
hsa-miR-381-3p	RPRD1B	Profile9
hsa-miR-100-3p	RPS6KB1	Profile9
hsa-miR-99a-5p	RRAGD	Profile9
hsa-miR-381-3p	RRM2	Profile9
hsa-miR-381-3p	RRN3	Profile9
hsa-miR-125a-5p	RS1	Profile9
hsa-miR-125a-5p	RUSC2	Profile9
hsa-miR-100-3p	SACS	Profile9
hsa-miR-381-3p	SALL1	Profile9
hsa-miR-381-3p	SAMD12	Profile9
hsa-miR-125a-5p	SBNO1	Profile9
hsa-miR-100-3p	SCN1A	Profile9
hsa-miR-100-3p	SCN2A	Profile9
hsa-miR-125a-5p	SCN2B	Profile9
hsa-miR-125a-5p	SCN4B	Profile9
hsa-miR-561-5p	SEC24A	Profile9
hsa-miR-28-5p	SEMA4C	Profile9
hsa-miR-125a-5p	SEMA4D	Profile9
hsa-miR-125a-5p	SEMA4F	Profile9
hsa-miR-381-3p	SEMA6D	Profile9
hsa-miR-28-5p	SEMA7A	Profile9
hsa-miR-28-5p	SENPI	Profile9
hsa-miR-100-3p	SERBP1	Profile9
hsa-miR-125a-5p	SERTAD3	Profile9
hsa-miR-125a-5p	SETD7	Profile9
hsa-miR-539-3p	SETD8	Profile9
hsa-miR-28-5p	SF3A1	Profile9
hsa-miR-146b-3p	SGIP1	Profile9
hsa-miR-125a-5p	SGSM2	Profile9
hsa-miR-100-3p	SH3PXD2B	Profile9
hsa-miR-28-5p	SHANK2	Profile9
hsa-miR-381-3p	SIAH1	Profile9
hsa-miR-146b-3p	SIAH3	Profile9
hsa-miR-125a-5p	SIRT7	Profile9
hsa-miR-145-3p	SLC1A2	Profile9
hsa-miR-145-3p	SLC22A15	Profile9
hsa-miR-125a-5p	SLC27A4	Profile9
hsa-miR-146b-3p	SLC30A8	Profile9
hsa-miR-28-5p	SLC31A1	Profile9
hsa-miR-145-3p	SLC32A1	Profile9
hsa-miR-561-5p	SLC35A2	Profile9
hsa-miR-125a-5p	SLC35A4	Profile9
hsa-miR-125a-5p	SLC35C1	Profile9
hsa-miR-28-5p	SLC37A4	Profile9
hsa-miR-125a-5p	SLC38A9	Profile9
hsa-miR-28-5p	SLC44A5	Profile9
hsa-miR-146b-3p	SLC46A1	Profile9
hsa-miR-125a-5p	SLC46A3	Profile9
hsa-miR-125a-5p	SLC4A10	Profile9

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-125a-5p	SLC6A17	Profile9
hsa-miR-100-3p	SLC6A6	Profile9
hsa-miR-125a-5p	SLC7A1	Profile9
hsa-miR-28-5p	SLC7A14	Profile9
hsa-miR-125a-5p	SLC7A6	Profile9
hsa-miR-125a-5p	SLITRK6	Profile9
hsa-miR-125a-5p	SMAD2	Profile9
hsa-miR-99a-5p	SMARCA5	Profile9
hsa-miR-146b-3p	SMC1A	Profile9
hsa-miR-125a-5p	SMCR8	Profile9
hsa-miR-125a-5p	SMG1	Profile9
hsa-miR-125a-5p	SMG5	Profile9
hsa-miR-561-5p	SNRNP48	Profile9
hsa-miR-381-3p	SOCS5	Profile9
hsa-miR-146b-3p	SORL1	Profile9
hsa-miR-145-3p	SOX6	Profile9
hsa-miR-100-3p	SP1	Profile9
hsa-miR-381-3p	SP1	Profile9
hsa-miR-539-3p	SP1	Profile9
hsa-miR-539-3p	SP3	Profile9
hsa-miR-381-3p	SP5	Profile9
hsa-miR-145-3p	SPATS2	Profile9
hsa-miR-125a-5p	SPEG	Profile9
hsa-miR-100-3p	SPIN1	Profile9
hsa-miR-146b-3p	SPTB	Profile9
hsa-miR-561-5p	SRGAP3	Profile9
hsa-miR-145-3p	SSH2	Profile9
hsa-miR-28-5p	SSH2	Profile9
hsa-miR-146b-3p	SSH3	Profile9
hsa-miR-28-5p	SSRP1	Profile9
hsa-miR-99a-5p	ST5	Profile9
hsa-miR-125a-5p	ST6GAL1	Profile9
hsa-miR-145-3p	ST6GAL2	Profile9
hsa-miR-539-3p	ST6GAL2	Profile9
hsa-miR-99a-5p	ST6GALNAC4	Profile9
hsa-miR-28-5p	ST7	Profile9
hsa-miR-561-5p	ST8SIA1	Profile9
hsa-miR-125a-5p	STARD13	Profile9
hsa-miR-100-3p	STBD1	Profile9
hsa-miR-539-3p	STEAP2	Profile9
hsa-miR-100-3p	STIM2	Profile9
hsa-miR-28-5p	STK24	Profile9
hsa-miR-381-3p	STK24	Profile9
hsa-miR-28-5p	STK4	Profile9
hsa-miR-125a-5p	STMN3	Profile9
hsa-miR-381-3p	STX12	Profile9
hsa-miR-381-3p	STYX	Profile9
hsa-miR-539-3p	STYX	Profile9
hsa-miR-125a-5p	SULT4A1	Profile9
hsa-miR-125a-5p	SUV39H1	Profile9
hsa-miR-125a-5p	SUV420H2	Profile9
hsa-miR-125a-5p	SYN2	Profile9
hsa-miR-28-5p	SYT11	Profile9
hsa-miR-125a-5p	SYT2	Profile9
hsa-miR-125a-5p	TAF9B	Profile9
hsa-miR-125a-5p	TBC1D8B	Profile9
hsa-miR-146b-3p	TCTEX1D1	Profile9
hsa-miR-125a-5p	TDG	Profile9
hsa-miR-100-3p	TET2	Profile9

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-146b-3p	TET2	Profile9
hsa-miR-28-5p	TEX261	Profile9
hsa-miR-561-5p	TEX261	Profile9
hsa-miR-146b-3p	THRB	Profile9
hsa-miR-28-5p	TLN2	Profile9
hsa-miR-561-5p	TM2D1	Profile9
hsa-miR-125a-5p	TMEM101	Profile9
hsa-miR-125a-5p	TMEM120B	Profile9
hsa-miR-125a-5p	TMEM136	Profile9
hsa-miR-381-3p	TMEM170B	Profile9
hsa-miR-100-3p	TMEM185A	Profile9
hsa-miR-125a-5p	TMEM198	Profile9
hsa-miR-125a-5p	TMEM86A	Profile9
hsa-miR-125a-5p	TNFAIP3	Profile9
hsa-miR-125a-5p	TNFSF4	Profile9
hsa-miR-146b-3p	TNPO3	Profile9
hsa-miR-100-3p	TNRC6B	Profile9
hsa-miR-561-5p	TNRC6B	Profile9
hsa-miR-125a-5p	TOMM40	Profile9
hsa-miR-561-5p	TP63	Profile9
hsa-miR-125a-5p	TRIM71	Profile9
hsa-miR-28-5p	TRNP1	Profile9
hsa-miR-145-3p	TTBK2	Profile9
hsa-miR-28-5p	TTC39A	Profile9
hsa-miR-125a-5p	TTC7A	Profile9
hsa-miR-28-5p	TXNL1	Profile9
hsa-miR-125a-5p	TYSND1	Profile9
hsa-miR-100-3p	UBE2N	Profile9
hsa-miR-145-3p	UBN1	Profile9
hsa-miR-381-3p	UBN1	Profile9
hsa-miR-146b-3p	UBTD1	Profile9
hsa-miR-381-3p	UBXN2B	Profile9
hsa-miR-381-3p	UNC119B	Profile9
hsa-miR-125a-5p	USP2	Profile9
hsa-miR-125a-5p	USP37	Profile9
hsa-miR-125a-5p	USP45	Profile9
hsa-miR-125a-5p	USP46	Profile9
hsa-miR-125a-5p	USP8	Profile9
hsa-miR-100-3p	USP9X	Profile9
hsa-miR-28-5p	VAT1L	Profile9
hsa-miR-125a-5p	VAV3	Profile9
hsa-miR-125a-5p	VAX1	Profile9
hsa-miR-381-3p	VCPIP1	Profile9
hsa-miR-381-3p	VPS37A	Profile9
hsa-miR-125a-5p	VPS37B	Profile9
hsa-miR-381-3p	WEE1	Profile9
hsa-miR-125a-5p	WIPF2	Profile9
hsa-miR-28-5p	WIPF2	Profile9
hsa-miR-125a-5p	WIZ	Profile9
hsa-miR-146b-3p	WWC3	Profile9
hsa-miR-381-3p	WWC3	Profile9
hsa-miR-146b-3p	XRRA1	Profile9
hsa-miR-28-5p	YWHAZ	Profile9
hsa-miR-125a-5p	ZBTB33	Profile9
hsa-miR-539-3p	ZBTB43	Profile9
hsa-miR-100-3p	ZBTB5	Profile9
hsa-miR-146b-3p	ZBTB7A	Profile9
hsa-miR-561-5p	ZC3H11A	Profile9
hsa-miR-125a-5p	ZC3H12B	Profile9

Table SI. Continued.

miRNA	Gene_ID	Model number
hsa-miR-125a-5p	ZC3H7B	Profile9
hsa-miR-145-3p	ZC3H7B	Profile9
hsa-miR-146b-3p	ZDHHC16	Profile9
hsa-miR-381-3p	ZDHHC2	Profile9
hsa-miR-381-3p	ZFAND3	Profile9
hsa-miR-381-3p	ZFHX3	Profile9
hsa-miR-125a-5p	ZFYVE1	Profile9
hsa-miR-100-3p	ZNF148	Profile9
hsa-miR-99a-5p	ZNF197	Profile9
hsa-miR-125a-5p	ZNF281	Profile9
hsa-miR-381-3p	ZNF292	Profile9
hsa-miR-125a-5p	ZNF395	Profile9
hsa-miR-125a-5p	ZNF460	Profile9
hsa-miR-381-3p	ZNF592	Profile9
hsa-miR-125a-5p	ZNF624	Profile9
hsa-miR-381-3p	ZNF652	Profile9
hsa-miR-145-3p	ZNF687	Profile9
hsa-miR-381-3p	ZNF697	Profile9
hsa-miR-125a-5p	ZNF704	Profile9
hsa-miR-539-3p	ZNF770	Profile9
hsa-miR-561-5p	ZNF777	Profile9
hsa-miR-125a-5p	ZNF828	Profile9
hsa-miR-125a-5p	ZNRF3	Profile9
hsa-miR-125a-5p	ZSCAN29	Profile9
hsa-miR-125a-5p	ZSWIM4	Profile9
hsa-miR-146b-3p	ZSWIM5	Profile9