

Table S8: Pairwise interactions of the process-specific subnetworks (as represented in Figure 5)

		METABOLIC PROCESS			
miRNA	Target Gene	TF	Target Gene	TF	miRNA
hsa-miR-30a-5p	ABL1	TP53	ADARB1	ASH1L	hsa-miR-103a-3p
hsa-miR-17-5p	ADARB1	ETS1	ALDH4A1	ASH1L	hsa-miR-16-5p
hsa-miR-93-5p	ADARB1	HIF1A	ARID1B	ASH1L	hsa-miR-375
hsa-miR-128-3p	ALDH4A1	TP53	ASH1L	CCND1	hsa-miR-17-5p
hsa-miR-204-5p	ALPL	SP1	ATF2	CCND1	hsa-miR-17
hsa-miR-520c-3p	APP	TP53	BTG2	CCND1	hsa-miR-20a
hsa-miR-92a-3p	ARID1B	ETS1	CAMTA1	E2F1	hsa-miR-106a-5p
hsa-miR-92b-3p	ARID1B	FOS	CAMTA1	E2F1	hsa-miR-106b-5p
hsa-miR-103a-3p	ASH1L	MITF	CAMTA1	E2F1	hsa-miR-17-5p
hsa-miR-16-5p	ASH1L	TP53	CAPN2	E2F1	hsa-miR-20a-5p
hsa-miR-19b-3p	ATF2	Ets1	CTGF	E2F1	hsa-miR-330-3p
hsa-miR-127-3p	BCL6	ETS1	CTGF	E2F1	hsa-miR-93-5p
hsa-miR-16-5p	BTG2	TP53	DDAH1	E2F1	hsa-let-7a
hsa-miR-129-5p	CAMTA1	TP53	DDAH1	E2F1	hsa-let-7i
hsa-miR-34a-5p	CAMTA1	HIF1A	DNAJB9	E2F1	hsa-miR-106a
hsa-miR-101-3p	CAPN2	HIF1A	DPYSL2	E2F1	hsa-miR-106b
hsa-miR-130b-3p	CBFB	E2F1	E2F1	E2F1	hsa-miR-106b
hsa-miR-124-3p	CBX2	HIF1A	EGFR	E2F1	hsa-miR-15a
hsa-miR-17-5p	CCND1	SP1	EGFR	E2F1	hsa-miR-15a
hsa-miR-107	CDK6	SP1	FN1	E2F1	hsa-miR-15b
hsa-miR-137	CDK6	TP53	GADD45A	E2F1	hsa-miR-15b
hsa-miR-18a-5p	CTGF	TP53	GADD45A	E2F1	hsa-miR-16
hsa-miR-30b-5p	DDAH1	FOS	GATAD2A	E2F1	hsa-miR-16-1
hsa-miR-32-5p	DNAJB9	FOS	GATAD2B	E2F1	hsa-miR-16-2
hsa-miR-17-5p	DPYSL2	FOS	GRK6	E2F1	hsa-miR-17
hsa-miR-30c-5p	DPYSL2	FOS	HBP1	E2F1	hsa-miR-17
hsa-miR-106a-5p	E2F1	STAT3	IRF1	E2F1	hsa-miR-18a

hsa-miR-106b-5p	E2F1
hsa-miR-17-5p	E2F1
hsa-miR-20a-5p	E2F1
hsa-miR-330-3p	E2F1
hsa-miR-93-5p	E2F1
hsa-miR-133a-3p	EGFR
hsa-miR-133b	EGFR
hsa-miR-27a-3p	EGFR
hsa-miR-125b-5p	ETS1
hsa-miR-155-5p	ETS1
hsa-miR-208a-3p	ETS1
hsa-miR-129-5p	ETV6
hsa-miR-200b-3p	FN1
hsa-miR-200c-3p	FN1
hsa-miR-374a-5p	GADD45A
hsa-miR-16-5p	GATAD2A
hsa-miR-590-3p	GATAD2B
hsa-miR-19a-3p	GRK6
hsa-miR-17-5p	HBP1
hsa-miR-19b-3p	HBP1
hsa-miR-29a-3p	HBP1
hsa-miR-196a-5p	HOXA7
hsa-miR-383-5p	IRF1
hsa-miR-93-5p	IRF1
hsa-miR-106b-5p	JAK1
hsa-miR-17-5p	JAK1
hsa-miR-221-3p	KIT
hsa-miR-222-3p	KIT
hsa-miR-19b-3p	KLF10
hsa-miR-30b-5p	KLF10
hsa-miR-141-3p	KLF11

TP53	JAK1
FOS	MTMR12
FOS	MTMR4
ETS1	MTOR
FOS	MTOR
MITF	MTOR
FOS	MXD4
E2F1	MYB
E2F1	MYC
HIF1A	NAA30
FOS	NLK
TP53	NOTCH2
TP53	NOTCH2
TP53	OSBPL9
HIF1A	PCBP1
HIF1A	PCMTD1
HIF1A	PDE4D
HIF1A	PFKFB3
ETS1	PIK3CD
MITF	PIK3CD
TP53	PKN2
TP53	PKN2
HIF1A	PLOD2
HIF1A	PPID
HIF1A	PRDM1
MITF	PRDM16
HIF1A	PRKAB2
TP53	PTPRF
TP53	PTPRF
HIF1A	PXDN
HIF1A	RAD23B

E2F1	hsa-miR-18b
E2F1	hsa-miR-195
E2F1	hsa-miR-19a
E2F1	hsa-miR-19b
E2F1	hsa-miR-19b-2
E2F1	hsa-miR-20a
E2F1	hsa-miR-20b
E2F1	hsa-miR-223
E2F1	hsa-miR-25
E2F1	hsa-miR-363
E2F1	hsa-miR-449a
E2F1	hsa-miR-449a
E2F1	hsa-miR-449b
E2F1	hsa-miR-449b
E2F1	hsa-miR-449c
E2F1	hsa-miR-92a
E2F1	hsa-miR-92a-2
E2F1	hsa-miR-93
EGFR	hsa-miR-133a-3p
EGFR	hsa-miR-133b
EGFR	hsa-miR-27a-3p
EGFR	hsa-miR-21
ETS1	hsa-miR-125b-5p
ETS1	hsa-miR-155-5p
ETS1	hsa-miR-208a-3p
ETS1	hsa-miR-146a
ETS1	hsa-miR-222
IRF1	hsa-miR-383-5p
IRF1	hsa-miR-93-5p
IRF1	hsa-miR-155
MITF	hsa-miR-137

hsa-miR-200a-3p	KLF11
hsa-miR-93-5p	KLF11
hsa-miR-9-5p	LDLRAP1
hsa-miR-370-3p	MAP3K8
hsa-miR-23b-3p	MCFD2
hsa-miR-93-5p	MED12L
hsa-miR-137	MITF
hsa-miR-182-5p	MITF
hsa-miR-1	MTMR12
hsa-miR-181a-5p	MTMR12
hsa-miR-103a-3p	MTMR4
hsa-miR-100-5p	MTOR
hsa-miR-99a-5p	MTOR
hsa-miR-99b-5p	MTOR
hsa-miR-1	MXD4
hsa-miR-150-5p	MYB
hsa-miR-34c-5p	MYC
hsa-miR-130b-3p	NAA30
hsa-miR-93-5p	NAA30
hsa-miR-30c-5p	NEDD4
hsa-miR-101-3p	NEK7
hsa-miR-340-5p	NEK7
hsa-miR-92b-3p	NLK
hsa-miR-181a-5p	NOTCH2
hsa-miR-181c-5p	NOTCH2
hsa-miR-18a-5p	NR3C1
hsa-miR-135a-5p	NR3C2
hsa-miR-19b-3p	NR3C2
hsa-miR-9-5p	ONECUT2
hsa-miR-16-5p	OSBPL3
hsa-miR-125a-5p	OSBPL9

SP1	RB1
ETS1	RERE
HIF1A	RERE
MITF	RERE
HIF1A	RLF
HIF1A	RRM2
TP53	RUNX3
TP53	RUNX3
FOS	SERTAD2
TP53	SMG7
TP53	SMG7
HIF1A	SOCS6
FOS	SP1
SP1	SP3
HIF1A	STAMPB
FOS	STK40
FOS	STT3A
FOS	SUV420H2
TP53	TARBP1
ETS1	TARDBP
HIF1A	TLE4
TP53	TRIM33
TP53	TRIM33
HIF1A	UGP2
ETS1	USP48
HIF1A	VEGFA
HIF1A	VEGFA
SP1	VEGFA
HIF1A	ZBTB10
FOS	ZBTB5
HIF1A	ZNF148

MITF	hsa-miR-182-5p
MITF	hsa-miR-211
MYB	hsa-miR-150-5p
MYB	hsa-miR-148a
MYB	hsa-miR-155
MYC	hsa-miR-34c-5p
MYC	hsa-let-7
MYC	hsa-let-7a
MYC	hsa-let-7a-1
MYC	hsa-let-7b
MYC	hsa-let-7c
MYC	hsa-let-7d
MYC	hsa-let-7d
MYC	hsa-let-7e
MYC	hsa-let-7f
MYC	hsa-let-7f-1
MYC	hsa-let-7g
MYC	hsa-let-7i
MYC	hsa-miR-106a
MYC	hsa-miR-106a
MYC	hsa-miR-106b
MYC	hsa-miR-141
MYC	hsa-miR-15a
MYC	hsa-miR-16-1
MYC	hsa-miR-17
MYC	hsa-miR-17
MYC	hsa-miR-17
MYC	hsa-miR-17
MYC	hsa-miR-18a
MYC	hsa-miR-195
MYC	hsa-miR-19a

hsa-miR-21-5p	PAN3
hsa-miR-21-5p	PCBP1
hsa-miR-92a-3p	PCMTD1
hsa-miR-92b-3p	PCMTD1
hsa-miR-23b-3p	PCMTD2
hsa-miR-16-5p	PDE3B
hsa-miR-93-5p	PDE3B
hsa-miR-18a-5p	PDE4D
hsa-miR-375	PDK1
hsa-miR-26b-5p	PFKFB3
hsa-miR-30a-5p	PIK3CD
hsa-miR-155-5p	PKN2
hsa-miR-181a-5p	PLCL2
hsa-miR-26b-5p	PLOD2
hsa-miR-130a-3p	PPARG
hsa-miR-130b-3p	PPARG
hsa-miR-27b-3p	PPARG
hsa-miR-30a-5p	PPID
hsa-miR-377-3p	PPM1A
hsa-miR-30a-5p	PRDM1
hsa-miR-9-5p	PRDM1
hsa-miR-96-5p	PRDM16
hsa-miR-103a-3p	PRKAB2
hsa-miR-130b-3p	PRUNE2
hsa-miR-19b-3p	PRUNE2
hsa-miR-24-3p	PTPRF
hsa-miR-133b	PTPRK
hsa-miR-29a-3p	PXDN
hsa-miR-9-5p	PXDN
hsa-miR-30a-5p	RAD23B
hsa-miR-138-5p	RARA

MYC	hsa-miR-19a
MYC	hsa-miR-19b
MYC	hsa-miR-19b
MYC	hsa-miR-20a
MYC	hsa-miR-20a
MYC	hsa-miR-20b
MYC	hsa-miR-22
MYC	hsa-miR-221
MYC	hsa-miR-23a
MYC	hsa-miR-23b
MYC	hsa-miR-26a
MYC	hsa-miR-26a
MYC	hsa-miR-26b
MYC	hsa-miR-29a
MYC	hsa-miR-29b
MYC	hsa-miR-29c
MYC	hsa-miR-34a
MYC	hsa-miR-9
MYC	hsa-miR-92a
MYC	hsa-miR-93
PPARG	hsa-miR-130a-3p
PPARG	hsa-miR-130b-3p
PPARG	hsa-miR-27b-3p
SP1	hsa-miR-124-3p
SP1	hsa-miR-106a
SP1	hsa-miR-132
SP1	hsa-miR-34c
SP1	hsa-miR-365
TP53	hsa-miR-125a-5p
TP53	hsa-miR-485-5p
TP53	hsa-miR-107

hsa-miR-218-5p	RARA
hsa-miR-106a-5p	RB1
hsa-miR-106b-5p	RB1
hsa-miR-17-5p	RB1
hsa-miR-192-5p	RB1
hsa-miR-20a-5p	RB1
hsa-miR-215-5p	RB1
hsa-miR-93-5p	RB1
hsa-miR-429	RERE
hsa-miR-181a-5p	RLF
hsa-miR-106b-5p	RORA
hsa-miR-342-3p	RRM2
hsa-miR-130a-3p	RUNX3
hsa-miR-130b-3p	RUNX3
hsa-miR-301a-3p	RUNX3
hsa-miR-532-5p	RUNX3
hsa-miR-145-5p	SERINC5
hsa-miR-124-3p	SERTAD2
hsa-miR-93-5p	SERTAD2
hsa-miR-185-5p	SMG7
hsa-miR-23b-3p	SOCS6
hsa-miR-124-3p	SP1
hsa-miR-223-3p	SP3
hsa-miR-101-3p	STAMPB
hsa-let-7d-5p	STK40
hsa-miR-124-3p	STT3A
hsa-miR-29a-3p	SUV420H2
hsa-miR-29c-3p	SUV420H2
hsa-miR-19b-3p	TAF4
hsa-miR-124-3p	TARBP1
hsa-miR-186-5p	TARDBP

TP53	hsa-miR-107
TP53	hsa-miR-125b
TP53	hsa-miR-143
TP53	hsa-miR-145
TP53	hsa-miR-145
TP53	hsa-miR-155
TP53	hsa-miR-192
TP53	hsa-miR-192
TP53	hsa-miR-192
TP53	hsa-miR-194
TP53	hsa-miR-200a
TP53	hsa-miR-200b
TP53	hsa-miR-200c
TP53	hsa-miR-215
TP53	hsa-miR-29
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34b
TP53	hsa-miR-34b
TP53	hsa-miR-34b
TP53	hsa-miR-34c
TP53	hsa-miR-34c
TP53	hsa-miR-34c
TP53	hsa-miR-519d

hsa-miR-424-5p	TBPL1
hsa-miR-155-5p	TLE4
hsa-miR-16-5p	TLE4
hsa-miR-125a-5p	TP53
hsa-miR-485-5p	TP53
hsa-miR-19b-3p	TRIM33
hsa-miR-32-5p	TRIO
hsa-miR-128-3p	UBE2W
hsa-miR-34a-5p	UBP1
hsa-miR-32-5p	UGP2
hsa-miR-148b-3p	USP48
hsa-miR-140-5p	VEGFA
hsa-miR-15a-5p	VEGFA
hsa-miR-15b-5p	VEGFA
hsa-miR-16-5p	VEGFA
hsa-miR-195-5p	VEGFA
hsa-miR-200b-3p	VEGFA
hsa-miR-200c-3p	VEGFA
hsa-miR-29b-3p	VEGFA
hsa-miR-29c-3p	VEGFA
hsa-miR-361-5p	VEGFA
hsa-miR-383-5p	VEGFA
hsa-miR-29c-3p	ZBTB10
hsa-miR-193b-3p	ZBTB5
hsa-miR-93-5p	ZNF148

REGULATION OF TRANSCRIPTION

miRNA	Target Gene
hsa-miR-30a-5p	ABL1
hsa-miR-520c-3p	APP
hsa-miR-92a-3p	ARID1B
hsa-miR-92b-3p	ARID1B

TF	Target Gene
HIF1A	ARID1B
TP53	ASH1L
SP1	ATF2
TP53	BTG2

TF	miRNA
ASH1L	hsa-miR-103a-3p
ASH1L	hsa-miR-16-5p
ASH1L	hsa-miR-375
E2F1	hsa-miR-106a-5p

hsa-miR-103a-3p	ASH1L
hsa-miR-16-5p	ASH1L
hsa-miR-19b-3p	ATF2
hsa-miR-127-3p	BCL6
hsa-miR-16-5p	BTG2
hsa-miR-129-5p	CAMTA1
hsa-miR-34a-5p	CAMTA1
hsa-miR-130b-3p	CBFB
hsa-miR-124-3p	CBX2
hsa-miR-107	CCNE1
hsa-miR-15a-5p	CCNE1
hsa-miR-15b-5p	CCNE1
hsa-miR-16-5p	CCNE1
hsa-miR-195-5p	CCNE1
hsa-miR-424-5p	CCNE1
hsa-miR-106a-5p	E2F1
hsa-miR-106b-5p	E2F1
hsa-miR-17-5p	E2F1
hsa-miR-20a-5p	E2F1
hsa-miR-330-3p	E2F1
hsa-miR-93-5p	E2F1
hsa-miR-125b-5p	ETS1
hsa-miR-155-5p	ETS1
hsa-miR-208a-3p	ETS1
hsa-miR-129-5p	ETV6
hsa-miR-16-5p	GATAD2A
hsa-miR-590-3p	GATAD2B
hsa-miR-17-5p	HBP1
hsa-miR-19b-3p	HBP1
hsa-miR-29a-3p	HBP1
hsa-miR-196a-5p	HOXA7

ETS1	CAMTA1
FOS	CAMTA1
MITF	CAMTA1
E2F1	CCNE1
E2F1	E2F1
FOS	GATAD2A
FOS	GATAD2B
FOS	HBP1
STAT3	IRF1
TP53	MDM4
FOS	MXD4
E2F1	MYB
E2F1	MYC
FOS	NLK
TP53	NOTCH2
TP53	NOTCH2
TP53	POGZ
HIF1A	PRDM1
MITF	PRDM16
SP1	RB1
ETS1	RERE
HIF1A	RERE
MITF	RERE
HIF1A	RLF
TP53	RUNX3
TP53	RUNX3
FOS	SERTAD2
FOS	SP1
SP1	SP3
FOS	SUV420H2
TP53	TARBP1

E2F1	hsa-miR-106b-5p
E2F1	hsa-miR-17-5p
E2F1	hsa-miR-20a-5p
E2F1	hsa-miR-330-3p
E2F1	hsa-miR-93-5p
E2F1	hsa-let-7a
E2F1	hsa-let-7i
E2F1	hsa-miR-106a
E2F1	hsa-miR-106b
E2F1	hsa-miR-106b
E2F1	hsa-miR-15a
E2F1	hsa-miR-15a
E2F1	hsa-miR-15b
E2F1	hsa-miR-15b
E2F1	hsa-miR-16
E2F1	hsa-miR-16-1
E2F1	hsa-miR-16-2
E2F1	hsa-miR-17
E2F1	hsa-miR-17
E2F1	hsa-miR-18a
E2F1	hsa-miR-18b
E2F1	hsa-miR-195
E2F1	hsa-miR-19a
E2F1	hsa-miR-19b
E2F1	hsa-miR-19b-2
E2F1	hsa-miR-20a
E2F1	hsa-miR-20b
E2F1	hsa-miR-223
E2F1	hsa-miR-25
E2F1	hsa-miR-363
E2F1	hsa-miR-449a

hsa-miR-383-5p	IRF1
hsa-miR-93-5p	IRF1
hsa-miR-19b-3p	KLF10
hsa-miR-30b-5p	KLF10
hsa-miR-141-3p	KLF11
hsa-miR-200a-3p	KLF11
hsa-miR-93-5p	KLF11
hsa-miR-34a-5p	MDM4
hsa-miR-93-5p	MED12L
hsa-miR-137	MITF
hsa-miR-182-5p	MITF
hsa-miR-26a-5p	MTDH
hsa-miR-30a-5p	MTDH
hsa-miR-30c-5p	MTDH
hsa-miR-1	MXD4
hsa-miR-150-5p	MYB
hsa-miR-34c-5p	MYC
hsa-miR-30c-5p	NEDD4
hsa-miR-92b-3p	NLK
hsa-miR-181a-5p	NOTCH2
hsa-miR-181c-5p	NOTCH2
hsa-miR-18a-5p	NR3C1
hsa-miR-135a-5p	NR3C2
hsa-miR-19b-3p	NR3C2
hsa-miR-9-5p	ONECUT2
hsa-miR-221-3p	POGZ
hsa-miR-34a-5p	POGZ
hsa-miR-130a-3p	PPARG
hsa-miR-130b-3p	PPARG
hsa-miR-27b-3p	PPARG
hsa-miR-377-3p	PPM1A

ETS1	TARDBP
HIF1A	TLE4
TP53	TRIM33
TP53	TRIM33
HIF1A	VEGFA
HIF1A	VEGFA
SP1	VEGFA
HIF1A	ZBTB10
FOS	ZBTB5
HIF1A	ZNF148

E2F1	hsa-miR-449a
E2F1	hsa-miR-449b
E2F1	hsa-miR-449b
E2F1	hsa-miR-449c
E2F1	hsa-miR-92a
E2F1	hsa-miR-92a-2
E2F1	hsa-miR-93
ETS1	hsa-miR-125b-5p
ETS1	hsa-miR-155-5p
ETS1	hsa-miR-208a-3p
ETS1	hsa-miR-146a
ETS1	hsa-miR-222
IRF1	hsa-miR-383-5p
IRF1	hsa-miR-93-5p
IRF1	hsa-miR-155
MITF	hsa-miR-137
MITF	hsa-miR-182-5p
MITF	hsa-miR-211
MYB	hsa-miR-150-5p
MYB	hsa-miR-148a
MYB	hsa-miR-155
MYC	hsa-miR-34c-5p
MYC	hsa-let-7
MYC	hsa-let-7a
MYC	hsa-let-7a-1
MYC	hsa-let-7b
MYC	hsa-let-7c
MYC	hsa-let-7d
MYC	hsa-let-7d
MYC	hsa-let-7e
MYC	hsa-let-7f

hsa-miR-30a-5p	PRDM1
hsa-miR-9-5p	PRDM1
hsa-miR-96-5p	PRDM16
hsa-miR-133b	PTPRK
hsa-miR-138-5p	RARA
hsa-miR-218-5p	RARA
hsa-miR-106a-5p	RB1
hsa-miR-106b-5p	RB1
hsa-miR-17-5p	RB1
hsa-miR-192-5p	RB1
hsa-miR-20a-5p	RB1
hsa-miR-215-5p	RB1
hsa-miR-93-5p	RB1
hsa-miR-429	RECE
hsa-miR-181a-5p	RLF
hsa-miR-106b-5p	RORA
hsa-miR-130a-3p	RUNX3
hsa-miR-130b-3p	RUNX3
hsa-miR-301a-3p	RUNX3
hsa-miR-532-5p	RUNX3
hsa-miR-124-3p	SERTAD2
hsa-miR-93-5p	SERTAD2
hsa-miR-124-3p	SP1
hsa-miR-223-3p	SP3
hsa-miR-29a-3p	SUV420H2
hsa-miR-29c-3p	SUV420H2
hsa-miR-19b-3p	TAF4
hsa-miR-124-3p	TARBP1
hsa-miR-186-5p	TARDBP
hsa-miR-424-5p	TBPL1
hsa-miR-155-5p	TLE4

MYC	hsa-let-7f-1
MYC	hsa-let-7g
MYC	hsa-let-7i
MYC	hsa-miR-106a
MYC	hsa-miR-106a
MYC	hsa-miR-106b
MYC	hsa-miR-141
MYC	hsa-miR-15a
MYC	hsa-miR-16-1
MYC	hsa-miR-17
MYC	hsa-miR-17
MYC	hsa-miR-17
MYC	hsa-miR-17
MYC	hsa-miR-18a
MYC	hsa-miR-195
MYC	hsa-miR-19a
MYC	hsa-miR-19a
MYC	hsa-miR-19b
MYC	hsa-miR-19b
MYC	hsa-miR-20a
MYC	hsa-miR-20a
MYC	hsa-miR-20b
MYC	hsa-miR-22
MYC	hsa-miR-221
MYC	hsa-miR-23a
MYC	hsa-miR-23b
MYC	hsa-miR-26a
MYC	hsa-miR-26a
MYC	hsa-miR-26b
MYC	hsa-miR-29a
MYC	hsa-miR-29b

hsa-miR-16-5p	TLE4
hsa-miR-125a-5p	TP53
hsa-miR-485-5p	TP53
hsa-miR-19b-3p	TRIM33
hsa-miR-34a-5p	UBP1
hsa-miR-140-5p	VEGFA
hsa-miR-15a-5p	VEGFA
hsa-miR-15b-5p	VEGFA
hsa-miR-16-5p	VEGFA
hsa-miR-195-5p	VEGFA
hsa-miR-200b-3p	VEGFA
hsa-miR-200c-3p	VEGFA
hsa-miR-29b-3p	VEGFA
hsa-miR-29c-3p	VEGFA
hsa-miR-361-5p	VEGFA
hsa-miR-383-5p	VEGFA
hsa-miR-29c-3p	ZBTB10
hsa-miR-193b-3p	ZBTB5
hsa-miR-93-5p	ZNF148

MYC	hsa-miR-29c
MYC	hsa-miR-34a
MYC	hsa-miR-9
MYC	hsa-miR-92a
MYC	hsa-miR-93
PPARG	hsa-miR-130a-3p
PPARG	hsa-miR-130b-3p
PPARG	hsa-miR-27b-3p
SP1	hsa-miR-124-3p
SP1	hsa-miR-106a
SP1	hsa-miR-132
SP1	hsa-miR-34c
SP1	hsa-miR-365
TP53	hsa-miR-125a-5p
TP53	hsa-miR-485-5p
TP53	hsa-miR-107
TP53	hsa-miR-107
TP53	hsa-miR-125b
TP53	hsa-miR-143
TP53	hsa-miR-145
TP53	hsa-miR-145
TP53	hsa-miR-155
TP53	hsa-miR-192
TP53	hsa-miR-192
TP53	hsa-miR-192
TP53	hsa-miR-194
TP53	hsa-miR-200a
TP53	hsa-miR-200b
TP53	hsa-miR-200c
TP53	hsa-miR-215
TP53	hsa-miR-29

TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34b
TP53	hsa-miR-34b
TP53	hsa-miR-34c
TP53	hsa-miR-34c
TP53	hsa-miR-34c
TP53	hsa-miR-519d

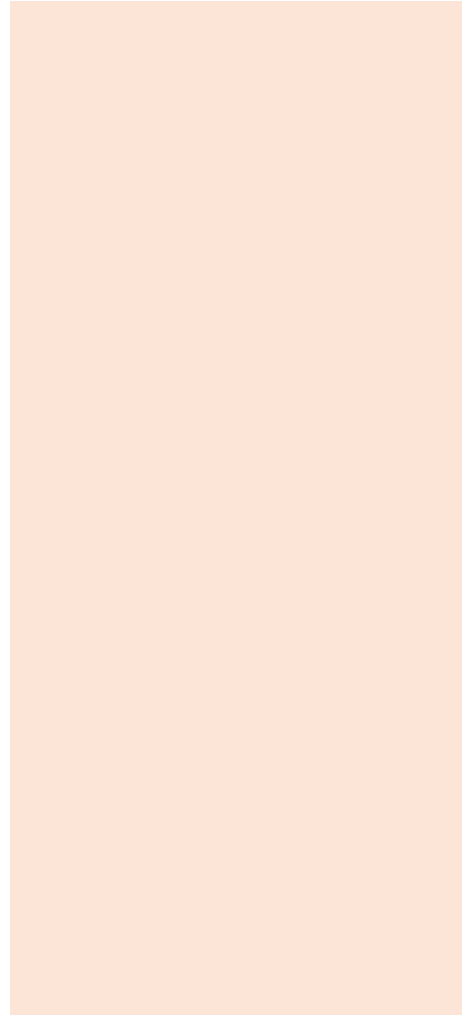
CELL DEATH

miRNA	Target Gene
hsa-miR-520c-3p	APP
hsa-miR-106a-5p	E2F1
hsa-miR-106b-5p	E2F1
hsa-miR-17-5p	E2F1
hsa-miR-20a-5p	E2F1
hsa-miR-330-3p	E2F1
hsa-miR-93-5p	E2F1
hsa-miR-133b	FAIM
hsa-miR-374a-5p	GADD45A
hsa-miR-221-3p	KIT
hsa-miR-222-3p	KIT
hsa-miR-141-3p	KLF11
hsa-miR-200a-3p	KLF11
hsa-miR-93-5p	KLF11
hsa-miR-34a-5p	MDM4
hsa-miR-34c-5p	MYC

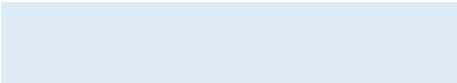
TF	Target Gene
E2F1	E2F1
TP53	GADD45A
TP53	GADD45A
TP53	MDM4
E2F1	MYC
HIF1A	SLC11A2
ETS1	TARDBP

TF	miRNA
E2F1	hsa-miR-106a-5p
E2F1	hsa-miR-106b-5p
E2F1	hsa-miR-17-5p
E2F1	hsa-miR-20a-5p
E2F1	hsa-miR-330-3p
E2F1	hsa-miR-93-5p
E2F1	hsa-let-7a
E2F1	hsa-let-7i
E2F1	hsa-miR-106a
E2F1	hsa-miR-106b
E2F1	hsa-miR-106b
E2F1	hsa-miR-15a
E2F1	hsa-miR-15a
E2F1	hsa-miR-15b
E2F1	hsa-miR-15b
E2F1	hsa-miR-16

hsa-miR-130b-3p	PRUNE2
hsa-miR-19b-3p	PRUNE2
hsa-miR-16-5p	SLC11A2
hsa-miR-186-5p	TARDBP
hsa-miR-125a-5p	TP53
hsa-miR-485-5p	TP53
hsa-miR-32-5p	TRIO



E2F1	hsa-miR-16-1
E2F1	hsa-miR-16-2
E2F1	hsa-miR-17
E2F1	hsa-miR-17
E2F1	hsa-miR-18a
E2F1	hsa-miR-18b
E2F1	hsa-miR-195
E2F1	hsa-miR-19a
E2F1	hsa-miR-19b
E2F1	hsa-miR-19b-2
E2F1	hsa-miR-20a
E2F1	hsa-miR-20b
E2F1	hsa-miR-223
E2F1	hsa-miR-25
E2F1	hsa-miR-363
E2F1	hsa-miR-449a
E2F1	hsa-miR-449a
E2F1	hsa-miR-449b
E2F1	hsa-miR-449b
E2F1	hsa-miR-449c
E2F1	hsa-miR-92a
E2F1	hsa-miR-92a-2
E2F1	hsa-miR-93
MYC	hsa-miR-34c-5p
MYC	hsa-let-7
MYC	hsa-let-7a
MYC	hsa-let-7a-1
MYC	hsa-let-7b
MYC	hsa-let-7c
MYC	hsa-let-7d
MYC	hsa-let-7d



MYC	hsa-let-7e
MYC	hsa-let-7f
MYC	hsa-let-7f-1
MYC	hsa-let-7g
MYC	hsa-let-7i
MYC	hsa-miR-106a
MYC	hsa-miR-106a
MYC	hsa-miR-106b
MYC	hsa-miR-141
MYC	hsa-miR-15a
MYC	hsa-miR-16-1
MYC	hsa-miR-17
MYC	hsa-miR-17
MYC	hsa-miR-17
MYC	hsa-miR-17
MYC	hsa-miR-18a
MYC	hsa-miR-195
MYC	hsa-miR-19a
MYC	hsa-miR-19a
MYC	hsa-miR-19b
MYC	hsa-miR-19b
MYC	hsa-miR-20a
MYC	hsa-miR-20a
MYC	hsa-miR-20b
MYC	hsa-miR-22
MYC	hsa-miR-221
MYC	hsa-miR-23a
MYC	hsa-miR-23b
MYC	hsa-miR-26a
MYC	hsa-miR-26a
MYC	hsa-miR-26b

TP53	hsa-miR-34a
TP53	hsa-miR-34b
TP53	hsa-miR-34b
TP53	hsa-miR-34c
TP53	hsa-miR-34c
TP53	hsa-miR-34c
TP53	hsa-miR-519d

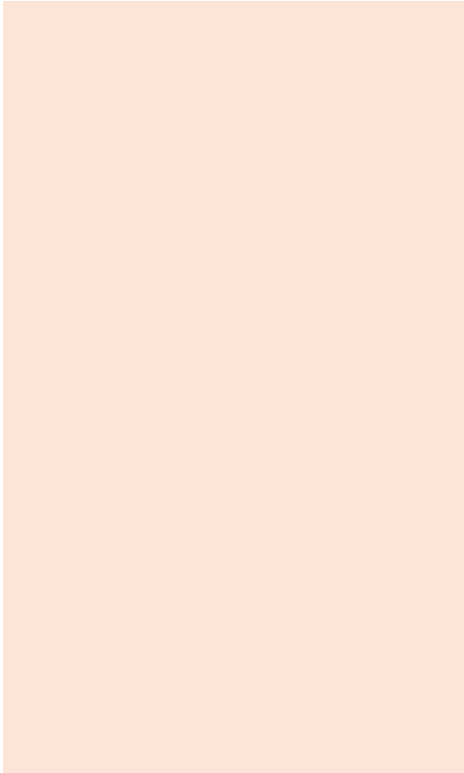
CELL CYCLE

miRNA	Target Gene
hsa-miR-30a-5p	ABL1
hsa-miR-520c-3p	APP
hsa-miR-17-5p	CCND1
hsa-miR-107	CCNE1
hsa-miR-15a-5p	CCNE1
hsa-miR-15b-5p	CCNE1
hsa-miR-16-5p	CCNE1
hsa-miR-195-5p	CCNE1
hsa-miR-424-5p	CCNE1
hsa-miR-93-5p	CCNG2
hsa-miR-107	CDK6
hsa-miR-137	CDK6
hsa-miR-106a-5p	E2F1
hsa-miR-106b-5p	E2F1
hsa-miR-17-5p	E2F1
hsa-miR-20a-5p	E2F1
hsa-miR-330-3p	E2F1
hsa-miR-93-5p	E2F1
hsa-miR-133a-3p	EGFR
hsa-miR-133b	EGFR
hsa-miR-27a-3p	EGFR
hsa-miR-374a-5p	GADD45A

TF	Target Gene
E2F1	CCNE1
HIF1A	CCNG2
E2F1	E2F1
HIF1A	EGFR
SP1	EGFR
TP53	GADD45A
TP53	GADD45A
FOS	HBP1
TP53	MDM4
ETS1	MFN2
E2F1	MYC
TP53	NOTCH2
TP53	NOTCH2
SP1	RB1
ETS1	TARDBP

TF	miRNA
CCND1	hsa-miR-17-5p
CCND1	hsa-miR-17
CCND1	hsa-miR-20a
E2F1	hsa-miR-106a-5p
E2F1	hsa-miR-106b-5p
E2F1	hsa-miR-17-5p
E2F1	hsa-miR-20a-5p
E2F1	hsa-miR-330-3p
E2F1	hsa-miR-93-5p
E2F1	hsa-let-7a
E2F1	hsa-let-7i
E2F1	hsa-miR-106a
E2F1	hsa-miR-106b
E2F1	hsa-miR-106b
E2F1	hsa-miR-15a
E2F1	hsa-miR-15a
E2F1	hsa-miR-15b
E2F1	hsa-miR-15b
E2F1	hsa-miR-16
E2F1	hsa-miR-16-1
E2F1	hsa-miR-16-2
E2F1	hsa-miR-17

hsa-miR-17-5p	HBP1
hsa-miR-19b-3p	HBP1
hsa-miR-29a-3p	HBP1
hsa-miR-370-3p	MAP3K8
hsa-miR-34a-5p	MDM4
hsa-miR-93-5p	MFN2
hsa-miR-34c-5p	MYC
hsa-miR-181a-5p	NOTCH2
hsa-miR-181c-5p	NOTCH2
hsa-miR-130b-3p	PRUNE2
hsa-miR-19b-3p	PRUNE2
hsa-miR-106a-5p	RB1
hsa-miR-106b-5p	RB1
hsa-miR-17-5p	RB1
hsa-miR-192-5p	RB1
hsa-miR-20a-5p	RB1
hsa-miR-215-5p	RB1
hsa-miR-93-5p	RB1
hsa-miR-16-5p	SEH1L
hsa-miR-186-5p	TARDBP
hsa-miR-125a-5p	TP53
hsa-miR-485-5p	TP53



E2F1	hsa-miR-17
E2F1	hsa-miR-18a
E2F1	hsa-miR-18b
E2F1	hsa-miR-195
E2F1	hsa-miR-19a
E2F1	hsa-miR-19b
E2F1	hsa-miR-19b-2
E2F1	hsa-miR-20a
E2F1	hsa-miR-20b
E2F1	hsa-miR-223
E2F1	hsa-miR-25
E2F1	hsa-miR-363
E2F1	hsa-miR-449a
E2F1	hsa-miR-449a
E2F1	hsa-miR-449b
E2F1	hsa-miR-449b
E2F1	hsa-miR-449c
E2F1	hsa-miR-92a
E2F1	hsa-miR-92a-2
E2F1	hsa-miR-93
EGFR	hsa-miR-133a-3p
EGFR	hsa-miR-133b
EGFR	hsa-miR-27a-3p
EGFR	hsa-miR-21
MYC	hsa-miR-34c-5p
MYC	hsa-let-7
MYC	hsa-let-7a
MYC	hsa-let-7a-1
MYC	hsa-let-7b
MYC	hsa-let-7c
MYC	hsa-let-7d

MYC	hsa-let-7d
MYC	hsa-let-7e
MYC	hsa-let-7f
MYC	hsa-let-7f-1
MYC	hsa-let-7g
MYC	hsa-let-7i
MYC	hsa-miR-106a
MYC	hsa-miR-106a
MYC	hsa-miR-106b
MYC	hsa-miR-141
MYC	hsa-miR-15a
MYC	hsa-miR-16-1
MYC	hsa-miR-17
MYC	hsa-miR-17
MYC	hsa-miR-17
MYC	hsa-miR-17
MYC	hsa-miR-18a
MYC	hsa-miR-195
MYC	hsa-miR-19a
MYC	hsa-miR-19a
MYC	hsa-miR-19b
MYC	hsa-miR-19b
MYC	hsa-miR-20a
MYC	hsa-miR-20a
MYC	hsa-miR-20b
MYC	hsa-miR-22
MYC	hsa-miR-221
MYC	hsa-miR-23a
MYC	hsa-miR-23b
MYC	hsa-miR-26a
MYC	hsa-miR-26a

MYC	hsa-miR-26b
MYC	hsa-miR-29a
MYC	hsa-miR-29b
MYC	hsa-miR-29c
MYC	hsa-miR-34a
MYC	hsa-miR-9
MYC	hsa-miR-92a
MYC	hsa-miR-93
TP53	hsa-miR-125a-5p
TP53	hsa-miR-485-5p
TP53	hsa-miR-107
TP53	hsa-miR-107
TP53	hsa-miR-125b
TP53	hsa-miR-143
TP53	hsa-miR-145
TP53	hsa-miR-145
TP53	hsa-miR-155
TP53	hsa-miR-192
TP53	hsa-miR-192
TP53	hsa-miR-192
TP53	hsa-miR-194
TP53	hsa-miR-200a
TP53	hsa-miR-200b
TP53	hsa-miR-200c
TP53	hsa-miR-215
TP53	hsa-miR-29
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34a

TP53	hsa-miR-34a
TP53	hsa-miR-34a
TP53	hsa-miR-34b
TP53	hsa-miR-34b
TP53	hsa-miR-34c
TP53	hsa-miR-34c
TP53	hsa-miR-34c
TP53	hsa-miR-519d

REPRODUCTIVE PROCESS

miRNA	Target Gene
hsa-miR-520c-3p	APP
hsa-miR-127-3p	BCL6
hsa-miR-17-5p	CCND1
hsa-miR-107	CCNE1
hsa-miR-15a-5p	CCNE1
hsa-miR-15b-5p	CCNE1
hsa-miR-16-5p	CCNE1
hsa-miR-195-5p	CCNE1
hsa-miR-424-5p	CCNE1
hsa-miR-133a-3p	EGFR
hsa-miR-133b	EGFR
hsa-miR-27a-3p	EGFR
hsa-miR-221-3p	KIT
hsa-miR-222-3p	KIT
hsa-miR-100-5p	MTOR
hsa-miR-99a-5p	MTOR
hsa-miR-99b-5p	MTOR
hsa-miR-30c-5p	NEDD4
hsa-miR-30a-5p	RAD23B
hsa-miR-124-3p	SP1
hsa-miR-223-3p	SP3

TF	Target Gene
E2F1	CCNE1
HIF1A	EGFR
SP1	EGFR
ETS1	MTOR
FOS	MTOR
MITF	MTOR
HIF1A	RAD23B
FOS	SP1
SP1	SP3
HIF1A	VEGFA
HIF1A	VEGFA
SP1	VEGFA
HIF1A	ZNF148

TF	miRNA
CCND1	hsa-miR-17-5p
CCND1	hsa-miR-17
CCND1	hsa-miR-20a
EGFR	hsa-miR-133a-3p
EGFR	hsa-miR-133b
EGFR	hsa-miR-27a-3p
EGFR	hsa-miR-21
SP1	hsa-miR-124-3p
SP1	hsa-miR-106a
SP1	hsa-miR-132
SP1	hsa-miR-34c
SP1	hsa-miR-365

hsa-miR-19b-3p	TAF4
hsa-miR-424-5p	TBPL1
hsa-miR-34a-5p	UBP1
hsa-miR-140-5p	VEGFA
hsa-miR-15a-5p	VEGFA
hsa-miR-15b-5p	VEGFA
hsa-miR-16-5p	VEGFA
hsa-miR-195-5p	VEGFA
hsa-miR-200b-3p	VEGFA
hsa-miR-200c-3p	VEGFA
hsa-miR-29b-3p	VEGFA
hsa-miR-29c-3p	VEGFA
hsa-miR-361-5p	VEGFA
hsa-miR-383-5p	VEGFA
hsa-miR-93-5p	ZNF148