

Table S5: Interactions between hub TFs and miRNAs in the generic network (as represented in Figure 1C)

Hub TF	miRNA	Hub TF	Degree (i.e., number of interacting miRNAs)
E2F1	hsa-miR-106a-5p	MYC	46
E2F1	hsa-miR-106b-5p	E2F1	39
E2F1	hsa-miR-17-5p	EGR1	34
E2F1	hsa-miR-20a-5p	TP53	31
E2F1	hsa-miR-330-3p	NFKB1	23
E2F1	hsa-miR-93-5p	TGFB1	21
E2F1	hsa-let-7a	MYCN	17
E2F1	hsa-let-7i	ZEB1	16
E2F1	hsa-miR-106a	ERS1	16
E2F1	hsa-miR-106b	LIN28	16
E2F1	hsa-miR-106b	PTEN	16
E2F1	hsa-miR-15a	POU5F1	14
E2F1	hsa-miR-15a	SPI1	12
E2F1	hsa-miR-15b	STAT3	11
E2F1	hsa-miR-15b	LIN28B	11
E2F1	hsa-miR-16	RUNX2	11
E2F1	hsa-miR-16-1	HIF1A	10
E2F1	hsa-miR-16-2	ZEB2	10
E2F1	hsa-miR-17	STAT5	10
E2F1	hsa-miR-17	TWIST1	10
E2F1	hsa-miR-18a	E2F3	8
E2F1	hsa-miR-18b	EIF2C2	8
E2F1	hsa-miR-195	HMGA1	8
E2F1	hsa-miR-19a	TRIM32	8
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
E2F3	hsa-let-7a
E2F3	hsa-let-7i
E2F3	hsa-miR-106b
E2F3	hsa-miR-15a
E2F3	hsa-miR-15b
E2F3	hsa-miR-16
E2F3	hsa-miR-195
E2F3	hsa-miR-34a
EGR1	hsa-let-7e
EGR1	hsa-miR-106a
EGR1	hsa-miR-10a
EGR1	hsa-miR-124-3
EGR1	hsa-miR-125a
EGR1	hsa-miR-130b
EGR1	hsa-miR-132
EGR1	hsa-miR-142
EGR1	hsa-miR-146b
EGR1	hsa-miR-148a
EGR1	hsa-miR-149
EGR1	hsa-miR-183

EGR1	hsa-miR-185
EGR1	hsa-miR-191
EGR1	hsa-miR-200b
EGR1	hsa-miR-212
EGR1	hsa-miR-219-2
EGR1	hsa-miR-23a
EGR1	hsa-miR-24-2
EGR1	hsa-miR-27a
EGR1	hsa-miR-301b
EGR1	hsa-miR-30a
EGR1	hsa-miR-30c-1
EGR1	hsa-miR-30c-2
EGR1	hsa-miR-30e
EGR1	hsa-miR-32
EGR1	hsa-miR-335
EGR1	hsa-miR-425
EGR1	hsa-miR-455
EGR1	hsa-miR-596
EGR1	hsa-miR-642a
EGR1	hsa-miR-92b
EGR1	hsa-miR-96
EGR1	hsa-miR-99b
EIF2C2	hsa-let-7a
EIF2C2	hsa-let-7b
EIF2C2	hsa-let-7c
EIF2C2	hsa-let-7d
EIF2C2	hsa-let-7e
EIF2C2	hsa-let-7f
EIF2C2	hsa-let-7g
EIF2C2	hsa-let-7i
ERS1	hsa-miR-106a

ERS1	hsa-miR-17
ERS1	hsa-miR-18a
ERS1	hsa-miR-18b
ERS1	hsa-miR-19a
ERS1	hsa-miR-19b
ERS1	hsa-miR-19b-2
ERS1	hsa-miR-20a
ERS1	hsa-miR-20b
ERS1	hsa-miR-21
ERS1	hsa-miR-22
ERS1	hsa-miR-221
ERS1	hsa-miR-222
ERS1	hsa-miR-363
ERS1	hsa-miR-92a
ERS1	hsa-miR-92a-2
HIF1A	hsa-miR-18a-5p
HIF1A	hsa-miR-199b-5p
HIF1A	hsa-miR-20a-5p
HIF1A	hsa-miR-20b-5p
HIF1A	hsa-miR-210
HIF1A	hsa-miR-210
HIF1A	hsa-miR-210
HIF1A	hsa-miR-372
HIF1A	hsa-miR-373
HIF1A	hsa-miR-424
HMGA1	hsa-let-7a-5p
HMGA1	hsa-let-7b-5p
HMGA1	hsa-miR-98-5p
HMGA1	hsa-miR-101-2
HMGA1	hsa-miR-196a-2
HMGA1	hsa-miR-222

HMGA1	hsa-miR-29a
HMGA1	hsa-miR-331
LIN28	hsa-let-7a
LIN28	hsa-let-7a
LIN28	hsa-let-7b
LIN28	hsa-let-7b
LIN28	hsa-let-7c
LIN28	hsa-let-7c
LIN28	hsa-let-7d
LIN28	hsa-let-7d
LIN28	hsa-let-7e
LIN28	hsa-let-7e
LIN28	hsa-let-7f
LIN28	hsa-let-7f
LIN28	hsa-let-7g
LIN28	hsa-let-7g
LIN28	hsa-let-7i
LIN28	hsa-let-7i
LIN28B	hsa-let-7b-5p
LIN28B	hsa-let-7d-5p
LIN28B	hsa-let-7a
LIN28B	hsa-let-7b
LIN28B	hsa-let-7c
LIN28B	hsa-let-7d
LIN28B	hsa-let-7e
LIN28B	hsa-let-7f
LIN28B	hsa-let-7g
LIN28B	hsa-let-7g
LIN28B	hsa-let-7i
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-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
MYCN	hsa-miR-101-3p
MYCN	hsa-miR-202-3p
MYCN	hsa-miR-29a-3p
MYCN	hsa-miR-29b-3p
MYCN	hsa-miR-29c-3p
MYCN	hsa-miR-106a
MYCN	hsa-miR-17
MYCN	hsa-miR-18a
MYCN	hsa-miR-18a
MYCN	hsa-miR-19a
MYCN	hsa-miR-19a
MYCN	hsa-miR-19b
MYCN	hsa-miR-20a
MYCN	hsa-miR-221
MYCN	hsa-miR-335
MYCN	hsa-miR-421
MYCN	hsa-miR-92a
NFKB1	hsa-let-7a-3

NFKB1	hsa-let-7b
NFKB1	hsa-miR-10b
NFKB1	hsa-miR-125b
NFKB1	hsa-miR-146a
NFKB1	hsa-miR-146a
NFKB1	hsa-miR-155
NFKB1	hsa-miR-155
NFKB1	hsa-miR-16
NFKB1	hsa-miR-17
NFKB1	hsa-miR-199a-2
NFKB1	hsa-miR-21
NFKB1	hsa-miR-21
NFKB1	hsa-miR-214
NFKB1	hsa-miR-224
NFKB1	hsa-miR-29a
NFKB1	hsa-miR-29b
NFKB1	hsa-miR-29c
NFKB1	hsa-miR-34a
NFKB1	hsa-miR-365
NFKB1	hsa-miR-448
NFKB1	hsa-miR-9
NFKB1	hsa-miR-9
POU5F1	hsa-miR-302a
POU5F1	hsa-miR-302a
POU5F1	hsa-miR-302a
POU5F1	hsa-miR-302b
POU5F1	hsa-miR-302b
POU5F1	hsa-miR-302b
POU5F1	hsa-miR-302c
POU5F1	hsa-miR-302c
POU5F1	hsa-miR-302c

POU5F1	hsa-miR-302d
POU5F1	hsa-miR-302d
POU5F1	hsa-miR-302d
POU5F1	hsa-miR-367
POU5F1	hsa-miR-367
PTEN	hsa-miR-19a-3p
PTEN	hsa-miR-19b-3p
Pten	hsa-miR-217
PTEN	hsa-miR-26a-5p
PTEN	hsa-miR-29a-3p
PTEN	hsa-miR-29b-3p
PTEN	hsa-miR-19a
PTEN	hsa-miR-21
PTEN	hsa-miR-21
PTEN	hsa-miR-22
PTEN	hsa-miR-25
PTEN	hsa-miR-302a
PTEN	hsa-miR-302b
PTEN	hsa-miR-302c
PTEN	hsa-miR-302d
PTEN	hsa-miR-302f
RUNX2	hsa-miR-30a-5p
RUNX2	hsa-miR-30b-5p
RUNX2	hsa-miR-30d-5p
RUNX2	hsa-miR-23a
RUNX2	hsa-miR-23a
RUNX2	hsa-miR-24-2
RUNX2	hsa-miR-24-2
RUNX2	hsa-miR-27a
RUNX2	hsa-miR-27a
RUNX2	hsa-miR-2861

RUNX2	hsa-miR-3960
SPI1	hsa-miR-146a
SPI1	hsa-miR-146a
SPI1	hsa-miR-155
SPI1	hsa-miR-17
SPI1	hsa-miR-18a
SPI1	hsa-miR-19a
SPI1	hsa-miR-19b-1
SPI1	hsa-miR-20a
SPI1	hsa-miR-23a
SPI1	hsa-miR-338
SPI1	hsa-miR-342
SPI1	hsa-miR-92a-1
STAT3	hsa-miR-20a-5p
STAT3	hsa-miR-20b-5p
STAT3	hsa-miR-21-5p
STAT3	hsa-miR-93-5p
STAT3	hsa-miR-125b
STAT3	hsa-miR-135b
STAT3	hsa-miR-181b-1
STAT3	hsa-miR-21
STAT3	hsa-miR-21
STAT3	hsa-miR-21
STAT3	hsa-miR-21
STAT5	hsa-miR-15a
STAT5	hsa-miR-15b
STAT5	hsa-miR-16
STAT5	hsa-miR-17
STAT5	hsa-miR-18a
STAT5	hsa-miR-195
STAT5	hsa-miR-19a

STAT5	hsa-miR-19b-1
STAT5	hsa-miR-20a
STAT5	hsa-miR-92a-1
TGFB1	hsa-let-7d
TGFB1	hsa-miR-141
TGFB1	hsa-miR-143
TGFB1	hsa-miR-146a
TGFB1	hsa-miR-155
TGFB1	hsa-miR-181b-1
TGFB1	hsa-miR-181b-2
TGFB1	hsa-miR-192
TGFB1	hsa-miR-194
TGFB1	hsa-miR-200a
TGFB1	hsa-miR-200b
TGFB1	hsa-miR-200c
TGFB1	hsa-miR-205
TGFB1	hsa-miR-224
TGFB1	hsa-miR-23a
TGFB1	hsa-miR-24
TGFB1	hsa-miR-24
TGFB1	hsa-miR-24
TGFB1	hsa-miR-27a
TGFB1	hsa-miR-29a
TGFB1	hsa-miR-429
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
TRIM32	hsa-let-7a
TRIM32	hsa-let-7b
TRIM32	hsa-let-7c
TRIM32	hsa-let-7d
TRIM32	hsa-let-7e
TRIM32	hsa-let-7f
TRIM32	hsa-let-7g

TRIM32	hsa-let-7i
TWIST1	hsa-miR-10b
TWIST1	hsa-miR-10b
TWIST1	hsa-miR-199a-2
TWIST1	hsa-miR-200a
TWIST1	hsa-miR-200b
TWIST1	hsa-miR-200c
TWIST1	hsa-miR-205
TWIST1	hsa-miR-214
TWIST1	hsa-miR-372
TWIST1	hsa-miR-373
ZEB1	hsa-miR-141-3p
ZEB1	hsa-miR-200a-3p
ZEB1	hsa-miR-200b-3p
ZEB1	hsa-miR-200c-3p
ZEB1	hsa-miR-205-5p
ZEB1	hsa-miR-429
ZEB1	hsa-let-7
ZEB1	hsa-miR-141
ZEB1	hsa-miR-141
ZEB1	hsa-miR-200a
ZEB1	hsa-miR-200b
ZEB1	hsa-miR-200c
ZEB1	hsa-miR-200c
ZEB1	hsa-miR-34a
ZEB1	hsa-miR-34b
ZEB1	hsa-miR-429
ZEB2	hsa-miR-141-3p
ZEB2	hsa-miR-200a-3p
ZEB2	hsa-miR-200b-3p
ZEB2	hsa-miR-200c-3p

ZEB2	hsa-miR-429
ZEB2	hsa-miR-141
ZEB2	hsa-miR-200a
ZEB2	hsa-miR-200b
ZEB2	hsa-miR-200c
ZEB2	hsa-miR-429