

Table EV3: The 1240 target genes closest to the MYB binding site both in HT-55 SNU-719 cells

DDX11L1	CACNA1E	ATL3	PDX1	ABHD17C	SLC7A5	ARHGDI A
WASH7P	LAMC2	MACROD1	BRCA2	MIR549A	BANP	NOTUM
OR4F29	COLGALT2	STIP1	RFC3	ABHD2	IL17C	FASN
RNF223	INAVA	FKBP2	PROSER1	ZNF710	PIEZO1	CCDC57
LINC01342	PHLDA3	CDC42BPG	SUCLA2	IDH2	ZNF778	FOXK2
NADK	BTG2	SYVN1	CAB39L	SEMA4B	CDK10	WDR45B
ARHGEF16	ELK4	MALAT1	DACH1	MEF2A	ZNF276	FN3KRP
KLHL21	CD46	OVOL1	KLF5	ASB7	AFG3L1P	B3GNTL1
CAMTA1	SERTAD4	EIF1AD	KLF12	SNRPA1	PRDM7	RPL23AP87
ENO1	PPP2R5A	MRPL11	LMO7	FAM234A	RPH3AL	MGC70870
KIAA2013	ATF3	DPP3	NDFIP2	LINC00235	GLOD4	ROCK1P1
TMEM51	LINC00538	RBM14-RBM4	DCT	MIR5587	BHLHA9	DLGAP1-AS1
CTRC	H3P6	RBM4B	STK24	RAB40C	MNT	LOC644669
FBLIM1	PSEN2	C11orf80	UBAC2	ANTKMT	SPNS2	ROCK1
EPHA2	RNF187	LRFN4	MYO16-AS1	SOX8	GLTPD2	GATA6
CROCCP3	DUSP5P1	KMT5B	IRS2	UBE2I	PFN1	CABLES1
MIR3675	KCNK1	LRP5	ING1	UNKL	ZNF232	SMAD2
CROCC	IRF2BP2	TPCN2	ANKRD10	JPT2	YBX2	ZBTB7C
RNF186	LINC01132	MYEOV	ATP11A	MAPK8IP3	POLR2A	ATP8B1-AS1
MDS2	SNORA14B	FADD	MCF2L-AS1	NUBP2	KDM6B	NEDD4L
GALE	NID1	MIR3664	PCID2	TRAF7	PLD6	SERPINB8
DHDDS	GPR137B	GDPD4	LAMP1	ECI1	TOM1L2	CYB5A
HMG N2	ACTN2	PANX1	TMCO3	ZG16B	GRAP	SALL3
SFN	FH	MRE11	TFDP1	PRSS22	GRAPL	MISP
KDF1	ZNF695	ENDOD1	CHAMP1	BICDL2	EPN2	MED16
SYTL1	NLRP3	BIRC3	POTEM	ZNF263	MTRNR2L1	ARHGAP45
IFI6	PGBD2	BUD13	HNRNPC	TRAP1	MIR4522	STK11
FAM76A	GTPBP4	TREH	HOMEZ	ADCY9	TNFAIP1	CIRBP
RNU11	PFKFB3	BCL9L	ARHGAP5-AS1	SRL	TRAF4	ADAMTSL5
SERINC2	MIR3155B	USP2-AS1	EGLN3	LINC01569	CORO6	TCF3
KIAA1522	ST8SIA6-AS1	ST14	EAPP	DNAJA3	PIGW	DOT1L
STK40	KIAA1217	WASH8P	PPP2R3C	UBALD1	ARHGAP23	GADD45B
BMP8B	ZNF438	PRMT8	SSTR1	NUDT16L1	MLLT6	ZNF77
TRIT1	NRP1	ZNF384	FBXO33	PPL	GRB7	FZR1
HIVEP3	LINC00999	MIR200C	BMP4	USP7	THRA	YJU2
FOXJ3	LOC441666	MANSC1	GMFB	SNN	KRT42P	SH3GL1
KIF2C	EGR2	APOLD1	L3HYPDH	PDXDC1	EIF1	DPP9
PLK3	HKDC1	DDX47	PRKCH	MIR3180-3	JUP	UHRF1
MAST2	PALD1	RPL13AP20	PLEKHG3	COQ7	CCDC200	DUS3L
PIK3R3	PCBD1	ATF7IP	LOC100506321	VPS35L	LINC00910	KHSRP
FOX D2	MYOZ1	ITPR2	PLEK2	ERI2	MAP3K14	SH2D3A
TXNDC12	FUT11	BICD1	ZFP36L1	LYRM1	SP2	ARHGEF18
LRP8	VCL	ALG10	EXD2	SMG1P3	PRR15L	PRR36
MRPL37	VDAC2	SCAF11	MIDEAS	POLR3E	NFE2L1	DNMT1
CYP2J2	LIPK	SLC38A2	LINC01220	SULT1A1	SPOP	DNM2
GADD45A	EXOC6	BCDIN3D	ALKBH1	RABEP2	TOB1	TMED1
SH3GLB1	CYP2C8	DIP2B	ADCK1	MAZ	MMD	TIMM29
LRRC8B	SLC25A28	ATF1	GTF2A1	TBC1D10B	AKAP1	KANK2
GFI1	KAZALD1	KRT78	TTC8	PRR14	SRSF1	DOCK6
MFSD14A	NOLC1	KRT8	PPP4R3A	SETD1A	TEX14	ZNF491
AKNAD1	FBXL15	SP1	CATSPERB	ZNF668	TRIM37	ZNF443
DENND2D	NT5C2	RAB5B	ITPK1-AS1	RUSF1	CLTC	TRIR
AP4B1	STN1	CAND1	CLMN	SLC6A10P	MIR21	HOOK2
CD58	MXI1	DYRK2	PAPOLA	LOC390705	USP32	JUNB

SRGAP2D	TCF7L2	MDM2	LINC02914	LINC00273	CYB561	SYCE2
EMBP1	ABLIM1	YEATS4	WDR25	ANKRD26P1	PLEKHM1P1	ADGRL1
ANKRD20A12P	GRK5	TMEM19	LINC00239	AKTIP	AMZ2P1	AKAP8
NA	RGS10	PHLDA1	DYNC1H1	IRX5	LINC00673	AP1M1
NBPF10	WDR11	EEA1	ANKRD9	PLLP	JPT1	MRPL34
LINC01138	TACC2	UBE2N	KIF26A	CCDC102A	GRB2	MAP1S
NBPF8	PLEKHA1	CDK17	INF2	FHOD1	LLGL2	B3GNT3
LSP1P5	PSTK	TTC41P	AKT1	CTCF	ITGB4	RPL18A
LINC02591	DUX4L3	MMAB	CEP170B	DUS2	H3-3B	PDE4C
LINC00623	SCGB1C1	FAM222A	GPR132	ESRP2	TRIM65	GDF15
MCL1	B4GALNT4	TPCN1	CHEK2P2	SLC7A6	ACOX1	ELL
ZNF687	SIGIRR	KSR2	MIR4715	HAS3	MXRA7	KXD1
CGN	MIR210HG	CIT	CHRFAM7A	TERF2	SRSF2	GATAD2A
TUFT1	TMEM80	BICDL1	LPCAT4	NQO1	SEPTIN9	PBX4
C2CD4D	AP2A2	PXN-AS1	C15orf62	PDXDC2P-NPIPB14P	C17orf99	HAVCR1P1
S100A11	MUC6	SIRT4	SPINT1	AARS1	AFMID	LINC00662
S100A2	SYT8	MLEC	CHAC1	VAC14	PGS1	RHPN2
PMVK	MIR4686	HPD	CHP1	PMFBP1	USP36	LRP3
ZBTB7B	KCNQ1	MLXIP	FRMD5	FA2H	ENPP7	KCTD15
YY1AP1	OR7E12P	RSRC2	SHF	ZFP1	CBX8	GRAMD1A
F11R	PPFIBP2	NCOR2	USP3	GABARAPL2	CBX4	LSR
TSTD1	EIF4G2	MIR5188	PIIB	SDR42E1	TBC1D16	RBM42
FCGR2A	ZBED5-AS1	SFSWAP	PARP16	OSGIN1	NPTX1	THAP8
NUF2	TEAD1	PGAM5	SMAD6	ATP2C2	RPTOR	ZNF875
PBX1	OR4C46	ANHX	DRAIC	COTL1	SLC38A10	SIPA1L3
MGST3	TNKS1BP1	IFT88	PKM	GSE1	TMEM105	DPF1
GPA33	LPXN	MICU2	PPCDC	IRF8	BAHCC1	SPINT2
CREG1	MS4A7	BASP1P1	MAN2C1	C16orf95	ACTG1	C19orf33
RABGAP1L	SYT7	GTF3A	MINAR1	KLHDC4	MCRIP1	CATSPERG
JAK2	KDM4C	LURAP1L	CAAP1	PTENP1	MSMP	RNF38
LOC100133920	FOXD4L5	CBWD3	PIP5K1B	TJP2	ZFAND5	OSTF1
CTSV	NR4A3	RAD23B	ACTL7B	AKNA	GOLGA1	RABEPK
SETX	GTF3C4	RALGDS	PPP1R26	AGPAT2	SNHG7	TMEM141
DUX4	TBL1X	IL1RAPL1	FTSJ1	OTUD5	BMP15	ZXDA
CBWD6	ZNF782	PRRC2B	LOC100507412	IL9R	GYG2P1	SPRY3
ZSCAN25	AP4M1	PILRB	ZCWPW1	PPP1R35	FBXO24	SLC12A9
FEZF1-AS1	METTTL2B	ATP6V0A4	LUC7L2	KDM7A	KDM7A-DT	PRSS3P2
RHEB	PRKAG2	LINC01003	SHH	PTPRN2-AS1	MIR595	PTPRN2
FAM86B3P	PRAG1	MFHAS1	PSD3	NPM2	DPYSL2	LINC00589
CHD7	JPH1	REXO1L2P	REXO1L1P	YWHAZ	FLJ42969	KLF10
MIR30D	TRAPPC9	CHRA1	TSNARE1	LINC02904	ZNF696	SCRIB
PRXL2C	IER5L	LOC283788	FLNA	BCLAF1	TIAM2	ARID1B
PSMD8	ETAA1	BCL2L1	CCDC12	ARHGEF38	GTF2IRD1	SPIN4
ACTN4	APLF	C20orf144	PTPN23	ZGRF1	GTF2I	CXCR3
HNRNPL	SNORA36C	ZNF341	SMARCC1	USP53	NSUN5P1	FGF16
ZFP36	MXD1	AHCY	ZNF589	MGST2	POM121C	ATRX
SERTAD1	FAM136A	DYNLRB1	NDUFAF3	SMAD1	HSPB1	PLS3
CYP2S1	TET3	PIGU	USP4	FBXW7	SSC4D	RASA4
AXL	MTHFD2	RBM39	MST1R	CBR4	ZP3	LHFPL3-AS2
CEACAM6	RTKN	NORAD	DCAF1	GALNT7	DTX2	KMT2E-AS1
ARHGEF1	HK2	CHD6	ACY1	TRAPPC11	PTPN12	SYPL1
RABAC1	CTNNA2	SLC35C2	TLR9	FRG1	PHTF2	IFRD1
ERF	TMSB10	SULF2	APPL1	DUX4L8	SEMA3A	MUC12
ZNF428	SH2D6	LINC00494	DNAH12	LINC01667	STEAP2	SERPINE1
SMG9	PARTICL	ARFGEF2	LRIG1	PLEKHG4B	FAM133B	ZNHIT1
ZNF112	IMMT	SNAI1	SHQ1	AHRR	TECPR1	MYL10

POLR1G	RNF103	PEDS1-UBE2V1	EBLN2	SLC9A3	PDAP1	CUX1
ERCC1	CYTOR	LINC01270	LINC00960	CEP72-DT	FAM27B	ARHGEF5
FOSB	EIF2AK3	PARD6B	LINC01205	SLC12A7	CDC14B	EZH2
VASP	MIR4436A	BCAS4	C3orf52	TERT	PHYHD1	LOC155060
OPA3	LSP1P4	ZNF217	KALRN	MIR4457	FAM230C	REPIN1
DMPK	ACTR3BP2	SUMO1P1	PLXNA1	LINC02111	THOC2	ZNF775
IRF2BP1	FAHD2CP	CYP24A1	MGLL	EMB	FAM3C	ESYT2
IGFL4	ASTL	SPO11	BFSP2	ANKRD55	POLR2J3	DYNC2I1
AP2S1	STARD7	ATP5F1E	SOX14	ZSWIM6	ABCB8	LOC389831
ZC3H4	ANKRD36	CDH26	TM4SF18	CD180	AGPAT5	MIR596
MIR3190	MGAT4A	LSM14B	TM4SF1	PIK3R1	ST18	KBTBD11
BICRA	C2orf15	LAMA5	TSC22D2	GUSBP17	PVT1	EIF4EBP1
ODAD1	FHL2	PPDPF	SIAH2	ANKRD31	FRG1HP	GOLGA7
EMP3	MIR4265	UCKL1	C3orf33	F2RL1	MRPS17	KAT6A
SULT2B1	BCL2L11	C20orf204	TIPARP	HOMER1	LOC650226	POTEA
FAM83E	MIR4435-2HG	MIR3648-1	LEKR1	SERINC5	ZNF733P	LINC00293
FUT1	TMEM87B	TPTE	LINC00880	MTRNR2L2	ZNF92	AZIN1
SLC17A7	ZC3H6	BAGE3	CCNL1	MIR9-2	LINC03006	EBAG9
NOSIP	POLR1B	EVA1C	LRRC77P	CCDC112	RABGEF1	SNTB1
SCAF1	SLC20A1	IFNGR2	GOLIM4	SEMA6A	TMEM248	FER1L6
IRF3	RABL2A	RUNX1	MYNN	ZNF608	SBDS	POU5F1B
MYH14	LINC01191	CBR3	GPR160	SLC12A2-DT	NSUN5P2	PUF60
JOSD2	TSN	TTC3	PLD1	MIR4460	ABHD11	TMEM242
C19orf48	CNTNAP5	VPS26C	FNDC3B	RAPGEF6	CLDN4	ZDHHC14
RPS9	IMP4	ETS2	ECT2	JADE2	CLIP2	SNX9
RDH13	ANKRD30BL	PRDM15	TBL1XR1	C5orf24	POLD2	SYNJ2
EPS8L1	MIR663B	PKNOX1	USP13	KIF20A	NUDCD3	SMOC2
KMT5C	WDSUB1	CRYAA	LINC01994	EGR1	DDX56	CYC1
UBE2S	PSMD14	LINC00319	MCCC1	CYSTM1	OGDH	PUF60
EPN1	STK39	PDXK	POLR2H	ANKHD1-EIF4EBP3	ZMIZ2	CYC1
SRSF10	DLX2	ICOSLG	EPHB3	APBB3	PPIA	SLC39A4
HYDIN2	MAP3K20	CCT8L2	LIPH	CSNK1A1	H2A22	ZNF252P
FAM110C	CDCA7	USP18	BCL6	DBN1	LINC00525	SLC1A1
SH3YL1	WIPF1	GGT3P	TPRG1-AS2	DDX41	UPP1	SMOC2
TMEM18	FSIP2	DGCR6	CLDN1	GMDS-DT	COBL	AZIN1
TPO	ZC3H15	ZNF74	DPPA2P3	SERPINB1	LANCL2	EBAG9
SOX11	NAB1	YDJC	LINC02026	RIPK1	VOPP1	SNTB1
RNF144A	STAT1	VPREB1	HES1	NRN1	GNA12	FER1L6
ID2	CFLAR-AS1	KIAA1671-AS1	LINC01968	LY86	AP5Z1	POU5F1B
ASAP2	FAM117B	LIMK2	ACAP2	DSP	TNRC18	SYNJ2
KLF11	RAPH1	PISD	MIR5692C1	CDKAL1	ACTB	EIF4EBP1
RRM2	IDH1	CARD10	SDHAP2	H4C8	EIF2AK1	GOLGA7
ODC1	TTLL4	PICK1	PIGX	LINC01623	USP42	KAT6A
LAPTM4A	ABCB6	PDGFB	MELTF-AS1	PPP1R18	ICA1	POTEA
SDC1	SPEG	RPS19BP1	DLG1	FLOT1	ARL4A	LINC00293
TP53I3	AP1S3	OGFRP1	MIR922	IER3	ETV1	SNX9
ADCY3	RHBDD1	RRP7A	PDE6B	HCG27	AGR3	ESYT2
RAB10	CCL20	RNU12	FAM53A	PIM1	MACC1	DYNC2I1
MAPRE3	NCL	BIK	SLBP	CNPY3	ITGB8	LOC389831
AGBL5	TEX44	MCAT	ABLIM2	CRIP3	MALSU1	MIR596
TCF23	PTMA	LOC730668	CPZ	VEGFA	OSBPL3	KBTBD11
MRPL33	GBX2	MIRLET7BHG	USP17L11	LINC01512	HXA3	ZDHHC14
MIR4263	HDAC4	TBC1D22A	USP17L20	HSP90AB1	HIBADH	ARHGEF5
FOSL2	RNPEPL1	PLXNB2	CPEB2-DT	AARS2	TAX1BP1	EZH2
WDR43	LINC01881	SCO2	SLC34A2	RUNX2	CHN2	LOC155060
FAM98A	RBCK1	ARSA	TBC1D1	TNFRSF21	PRR15	REPIN1

ATL2	SLC52A3	SETD5	KLF3	PAQR8	ZNRF2	ZNF775
SOS1	CDC25B	CRELD1	CWH43	TRAM2	FKBP9	MUC12
PPM1B	PLCB1	IRAK2	DCUN1D4	KLHL31	NPSR1-AS1	SERPINE1
EPCAM	SPTLC3	VGLL4	CENPC	FAM83B	UBE2D4	ZNHIT1
MSH2	DSTN	TSEN2	UGT2B15	GUSBP4	LINC00957	MYL10
MSH6	OVOL2	ZNF860	CXCL5	KHDRBS2	WDR27	CUX1
ACYP2	LINC00261	UBP1	MTHFD2L	PTP4A1	LINC00242	SLC1A1
SPTBN1	MIR663AHG	PDCD6IP	ANXA3	SH3BGRL2	LOC154449	RASA4
RTN4	FRG1BP	VILL	ENOPH1	TPBG	FAM120B	LHFPL3-AS2
EHBP1	MLLT10P1	OXSR1	THAP9-AS1	PM20D2	FAM20C	KMT2E-AS1
LINC00309	DEFB115	CTNNB1	GPRIN3	PRDM1	ADAP1	SYPL1
SLC1A4	HM13-AS1	POMGNT2	STPG2	SLC2A12	UNCX	IFRD1
SPRED2	ID1	SLC6A20	UBE2D3	MYB	MICALL2	ZNF252P
SLC25A51	FAM27C	PTGER4P2-CDK2AP2P2	LOC286297	AQP7P1	MAFK	SPIN4
NTRK2	SPIN1	WNK2	PHF2	MIRLET7A1	TMEM184A	CXCR3
SLC2A8	NIBAN2	NAIF1	PTGES2	SPTAN1	SNX8	FGF16
TUBB4B	NRARP	NOXA1	ARRDC1	FAM157B	MIR4648	ATRX
PLS3	SLC39A4					