

Supplementary table 4. Determination of downstream targets of TFs: SATB2, HLF and NPAS2.

TF	Gene	CHEA	ENCODE	JASPAR	MotifMap
HLF	NEUROD6	0	0	0	0
HLF	PIK3R1	0	0	0	0
HLF	TNF	0	0	1	0
HLF	ENSA	0	0	0	0
HLF	ZNF687	0	0	0	0
HLF	AKTIP	0	0	0	0
HLF	NFKBIZ	0	0	0	0
HLF	MAP4	0	0	0	0
HLF	ZDHHC14	0	0	0	0
HLF	BEST3	0	0	0	0
HLF	ALB	0	0	0	0
HLF	MIR3648-1	0	0	1	0
HLF	NBPF14	0	0	1	0
HLF	BHLHE40	0	0	0	0
HLF	TRIM26	0	0	1	0
HLF	NYX	0	0	0	0
HLF	DMD	0	0	0	0
HLF	HCG26	0	0	1	0
HLF	DCAF6	0	0	0	0
HLF	TNNC2	0	0	0	0
HLF	IRF2BP1	0	0	0	0
HLF	IP6K2	0	0	0	0
HLF	RBFOX2	0	0	0	0
HLF	EPB41	0	0	0	0
HLF	GTPBP6	0	0	1	0
HLF	FBXO3	0	0	0	0
HLF	AQP9	0	0	0	0
HLF	CSNK1E	0	0	0	0
HLF	LONRF3	0	0	0	0
HLF	LOX	0	0	0	0
HLF	LGSN	0	0	0	0
HLF	ZFP57	0	0	1	0
HLF	CDKN2C	0	0	0	0
HLF	EPN2	0	0	0	0
HLF	LIPI	0	0	1	0
HLF	UBE2E2	0	0	0	0
HLF	HERPUD1	0	0	0	0
HLF	ABHD11	0	0	0	0
HLF	DDX39B	0	0	1	0
HLF	PDAP1	0	0	0	0
HLF	ATAD2	0	0	0	0
HLF	HOXA4	0	0	0	0
HLF	FOXA1	0	0	0	0
HLF	ANKRD40	0	0	0	0
HLF	ARRDC3	0	0	0	0
HLF	MECP2	0	0	0	0
HLF	SLC24A2	0	0	0	0
HLF	PNMA1	0	0	0	0
HLF	MEOX2	0	0	0	0
HLF	CD40LG	0	0	0	0
HLF	HS6ST2	0	0	0	0

HLF	HOXD9	0	0	1	0
HLF	REXO1L1P	0	0	1	0
HLF	CHST2	0	0	1	0
HLF	TENC1	0	0	0	0
HLF	PRKAA2	0	0	0	0
HLF	FCHSD2	0	0	0	0
HLF	HNRNPH1	0	0	0	0
HLF	SMARCAD1	0	0	0	0
HLF	FOXA2	0	0	0	0
HLF	SLIT3	0	0	0	0
HLF	CYP26A1	0	0	0	0
HLF	NR2F2	0	0	0	0
HLF	ZBTB18	0	0	0	0
HLF	PDGFRL	0	0	0	0
HLF	ACSL4	0	0	0	0
HLF	S100PBP	0	0	0	0
HLF	IL4	0	0	0	0
HLF	ABHD8	0	0	0	0
HLF	HOXB6	0	0	0	0
HLF	PHC3	0	0	0	0
HLF	NREP	0	0	0	0
HLF	YWHAG	0	0	0	0
HLF	RMDN3	0	0	0	0
HLF	VNN3	0	0	0	0
HLF	HNRNPA3	0	0	0	0
HLF	IFNG	0	0	0	0
HLF	CLCN5	0	0	0	0
HLF	PPL	0	0	0	0
HLF	NAA60	0	0	0	0
HLF	HIVEP3	0	0	0	0
HLF	OTP	0	0	0	0
HLF	TRIM40	0	0	1	0
HLF	TNXB	0	0	1	0
HLF	FOXP1	0	0	0	0
HLF	TFEB	0	0	0	0
HLF	ROBO1	0	0	0	0
HLF	TAGLN3	0	0	0	0
HLF	EGFR	0	0	0	0
HLF	SLC25A26	0	0	1	0
HLF	TREX1	0	0	0	0
HLF	ADNP	0	0	0	0
HLF	OR5T3	0	0	1	0
HLF	ZDHHC16	0	0	1	0
HLF	CHN1	0	0	0	0
HLF	DPH3	0	0	0	0
HLF	MPP6	0	0	0	0
HLF	CTDSP1	0	0	0	0
HLF	KRT23	0	0	0	0
HLF	RASGEF1A	0	0	0	0
HLF	TXLNG	0	0	0	0
HLF	ELMOD1	0	0	0	0
HLF	TMEM154	0	0	0	0
HLF	PLCB1	0	0	0	0

HLF	MIOX	0	0	0	0
HLF	ZBTB21	0	0	0	0
HLF	CELF2	0	0	0	0
HLF	FCGR1B	0	0	1	0
HLF	ETV4	0	0	0	0
HLF	GRHL2	0	0	0	0
HLF	TSC22D3	0	0	0	0
HLF	POGZ	0	0	0	0
HLF	ARHGAP44	0	0	0	0
HLF	ZNF711	0	0	0	0
HLF	CDH10	0	0	0	0
HLF	OXNAD1	0	0	0	0
HLF	FGF21	0	0	0	0
HLF	RHOBTB2	0	0	0	0
HLF	GTPBP2	0	0	0	0
HLF	CACNG2	0	0	0	0
HLF	PIP5K1A	0	0	0	0
HLF	EHMT2	0	0	1	0
HLF	SPIB	0	0	0	0
HLF	JPH3	0	0	0	0
HLF	ZDHHC5	0	0	0	0
HLF	PDP1	0	0	0	0
HLF	RPS6KA3	0	0	0	0
HLF	HOXC4	0	0	0	0
HLF	SPRR1B	0	0	0	0
HLF	HCP5	0	0	1	0
HLF	XPO7	0	0	0	0
HLF	NEUROD1	0	0	0	0
HLF	NTRK1	0	0	0	0
HLF	ALDH1A1	0	0	0	0
HLF	GPR112	0	0	0	0
HLF	EML4	0	0	0	0
HLF	SECISBP2L	0	0	0	0
HLF	NEU1	0	0	1	0
HLF	NPVF	0	0	0	0
HLF	ANO1	0	0	0	0
HLF	ANGPTL1	0	0	0	0
HLF	CTSC	0	0	0	0
HLF	CHD2	0	0	0	0
HLF	TNFSF13	0	0	0	0
HLF	RNF38	0	0	1	0
HLF	CDKL5	0	0	0	0
HLF	TTC39B	0	0	0	0
HLF	ZFYVE9	0	0	0	0
HLF	KLF9	0	0	0	0
HLF	CDC42	0	0	0	0
HLF	LRRTM4	0	0	0	0
HLF	FNBP1	0	0	0	0
HLF	IL27	0	0	0	0
HLF	CLIC4	0	0	0	0
HLF	INPP4A	0	0	0	0
HLF	ATP6V1G2-DDX39B	0	0	1	0
HLF	PCBP2	0	0	0	0

HLF	FAIM2	0	0	0	0
HLF	SHMT2	0	0	0	0
HLF	PFN2	0	0	0	0
HLF	LINC00518	0	0	1	0
HLF	LSM2	0	0	1	0
HLF	CADM1	0	0	0	0
HLF	ZDHHC2	0	0	0	0
HLF	BUD31	0	0	0	0
HLF	SPRED1	0	0	0	0
HLF	TSC22D1	0	0	0	0
HLF	KLHL7	0	0	0	0
HLF	NDST3	0	0	0	0
HLF	STK35	0	0	0	0
HLF	CALM1	0	0	0	0
HLF	CALCRL	0	0	0	0
HLF	DNAJA2	0	0	0	0
HLF	ELAVL4	0	0	0	0
HLF	PTHLH	0	0	0	0
HLF	WNT3A	0	0	0	0
HLF	RORA	0	0	0	0
HLF	CDK8	0	0	0	0
HLF	TMEM57	0	0	0	0
HLF	SREBF2	0	0	0	0
HLF	ARID1B	0	0	0	0
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HLF	GBX2	0	0	0	0
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HLF	NFIL3	0	0	0	0
HLF	PKNOX2	0	0	0	0
HLF	EYA1	0	0	1	0
HLF	SEMA6D	0	0	0	0
HLF	DDX5	0	0	0	0
HLF	OSBPL6	0	0	0	0
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HLF	SETD7	0	0	0	0
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HLF	PRKG1	0	0	0	0
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HLF	CLASP1	0	0	0	0
HLF	SULF1	0	0	0	0
HLF	PLAG1	0	0	0	0
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HLF	DLX5	0	0	0	0
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HLF	PDXP	0	0	0	0
HLF	CXCL6	0	0	0	0
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HLF	RASL10B	0	0	0	0
NPAS2	CRY2	0	0	0	0
NPAS2	PER1	0	0	0	0
NPAS2	PER2	0	0	0	0
NPAS2	CRY1	0	0	0	0
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SATB2	TP63	0	0	0	0

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