Validation	Database/Resource	Description	Organism	Tissue	PMID	GSE	GSM	URL
Peak-gene	FANTOM5 (HACER)	Tissue-specific enhancer database	Human	Blood cell lines	24670763	NA	NA	http://bioinfo.vanderbilt.edu/AE/HACER
	4DGenome (HACER)	Tissue-specific enhancer database	Human	Blood cell lines	25788621	NA	NA	http://bioinfo.vanderbilt.edu/AE/HACER
	EnhancerAtlas2.0	Tissue-specific enhancer database	Human	Blood cell lines	31740966	NA	NA	http://www.enhanceratlas.org
	GTEx	Tissue-specific *cis* -eQTLs	Human	Whole blood	29022597	NA	NA	https://gtexportal.org
	PLAC-seq	Enhancer-promoter interactions by PLAC-seq (rep 1) Enhancer-promoter interactions by PLAC-seq (rep 2)	Mouse	Embryonic forebrain at day 16.5	31695190	GSE130399	GSM3819641 GSM3819642	https://www.ncbi.nlm.nih.gov/geo
	Super-enhancer	H3K4me1 and H3K27ac ChIP-seq	Mouse	Transit-amplifying cell (TAC) from mouse hair follicle	25799994	GSE61316	GSM1502001 GSM1502003	https://www.ncbi.nlm.nih.gov/geo
Peak-TF	Cistrome	A data portal for ChIP-Seq and chromatin accessibility data in human and mouse	Human	B lymphocyte, T lymphocyte, monocyte	27789702	Supplementary Table S2		http://cistrome.org
	TF ChIP-seq	Olig2 ChIP-seq	Rat	Oligodendrocyte precursor cell (OPC) Immature oligodendrocyte (iOL) Mature oligodendrocyte (mOL)	23332759	GSE42454	GSM1040156 GSM1040157 GSM1040158	https://www.ncbi.nlm.nih.gov/geo
		Neurog2 ChIP-seq Eomes ChIP-seq	Mouse	Embryonic cerebral cortex at day 14.5	27600842	GSE63620	GSM1553880 GSM1553879	
		Tbr1 ChIP-seq		Embryonic whole cortex at day 15.5	27325115	GSE71384	GSM1833461	
TF-gene	knockTF	A database of human gene expression profiles with knockdown/knockout of transcription factors	Human	Blood cells	31598675	NA	NA	http://www.licpathway.net/KnockTF
	hTFtarget	A database of human transcription factors and their targets	Human	Blood cells	32858223	NA	NA	https://bio.tools/hTFtarget

Table 1