Name	Description	TAL1	E2A	HEB
Signal transduction-Receptor				
MUC16	mucin 16			
PTPRU	protein tyrosine phosphatase, receptor type, U			
IL10RA	interleukin 10 receptor, alpha			
EPHB1	EphB1			
IFNAR1	interferon (alpha, beta and omega) receptor 1			
MUC1	mucin 1, transmembrane			
CALCYON	calcyon; D1 dopamine receptor-interac. protein			
PTPRCAP	protein tyrosine phosphatase, receptor type			
OR2W1	olfactory receptor, fam. 2, subfam. W, member 1			
TMEFF1	transmembrane protein with EGF-like domains			
Signal transduction-Other				
TRAF3	TNF receptor-associated factor 3			
TNFAIP1	tumor necrosis factor, alpha-induced protein 1			
MLLT4	MLL leukemia translocated to, 4 (AF4)			
MADHIP	MAD interacting protein			
CGR11	cell growth regulatory with EF-hand domain			
ARAF1	v-raf murine viral oncogene homolog 1			
RQCD1	RCD1 required for cell differentiation1 homolog			
TTC3	tetratricopeptide repeat domain 3			
Transcription Regulation				
NR4A3	nuclear receptor subfam. 4, group A, 3			
DED	apoptosis antagonizing transcription factor			
NFYA	nuclear transcription factor Y, alpha			
ZNF74	zinc finger protein 74 (Cos52)			
GS2NA	nuclear autoantigen			
LANP-L	leucine-rich acidic protein-like protein			
TCF7	transcription factor 7 (T-cell specific, HMG-box)			
DNA repair				
G22P1	thyroid autoantigen 70kD (Ku antigen)			
PMS2	PMS2 postmeiotic segregation increased 2			
Ligands				
AZGP1	alpha-2-glycoprotein 1, zinc			
MSLN	mesothelin			
GDF5	growth differentiation factor 5			
LOC56920	semaphorin sem2			
Transporters-channel/pore				
CHRNA5	cholinergic receptor, nicotinic, alpha polypeptide 5			
ACCN2	amiloride-sensitive cation channel 2, neuronal			
CACNG4	calcium channel, voltage-dep., γ sub. 4			
KCNJ9	potassium inwardly-rect. channel, subfam. J, 9			
SLC4A11	solute carrier family 4			
OKB1	organic cation transporter OKB1			

Name	Description	TAL1	E2A	HEB
Transporters-lipids/small molecules				
ABCC12	ATP-binding cassette, sub-fam. C (CFTR/MRP)			
Protein degradation and processing				
PRSS8	protease, serine, 8 (prostasin)			
SERPINB2	serine (or cysteine) proteinase inhibitor			
CUL4A	cullin 4A			
Vesicle trafficking, storage and cytoskeleton				
RAB33A	RAB33A, member RAS oncogene family			
MAP2	microtubule-associated protein 2			
RPS3A	ribosomal protein S3A			
LRBA	vesicle trafficking, beach and anchor cont.			
RAB40B	RAB40B, member RAS oncogene family			
DOCK1	dedicator of cyto-kinesis 1			
AP4B1	adaptor-related protein complex 4, beta 1 subunit			
Enzymes				
NCF1	neutrophil cytosolic factor 1			
DDC	dopa decarboxylase			
HADHA	hydroxyacyl-Coenzyme A dehydrog. (...) alpha			
BHMT2	betaine-homocysteine methyltransferase 2			
MVD	mevalonate (diphospho) decarboxylase			
MGAT3	mannosyl -acetylglucosaminyltransferase			
LOC51171	retinal short-chain dehydrog./red. retSDR3			
SULT1A3	sulfotransferase family, cytosolic, 1A, member 3			
ARSA	arylsulfatase A			
PTE1	peroxisomal acyl-CoA thioesterase			
Immune-system related proteins				
PLA2G2A	phospholipase A2, group IIA			
C3	complement component 3			
Unknown function				
LOC51184	protein x 0004			
FRG1	FSHD region gene 1			
FLJ12150	hypothetical protein FLJ12150			
FLJ22529	hypothetical protein FLJ22529			
FLJ14981	hypothetical protein FLJ14981			
FLJ10661	hypothetical protein FLJ10661			
MGC14136	hypothetical protein MGC14136			
FLJ10637	hypothetical protein FLJ10637			
PRO2859	hypothetical protein PRO2859			
LOC51035	ORF			
FLJ23231	hypothetical protein FLJ23231			

Table S2. Analysis of TAL1, E2A and HEB binding to TAL1 direct targets identified by ChIP on chip by gene-specific quantitative PCR. Binding is confirmed when a two-fold enrichment is detected in the immunoprecipitate versus the control whole cell extract. Verified binding is represented in red, while blue indicates binding was not detected. Grey symbol in RAB40B promoter indicates no amplification.