

Down-regulation : Repression by IL-4

PARP-14 KO ^b	WT ^c	Gene name annotation
2810048G17Rik ^f		EST (expressed sequence tag)
Aldh2		aldehyde dehydrogenase 2
Apoe		apolipoprotein E
Ccr6		chemokine (C-C motif) receptor 6
Ccr7		chemokine (C-C motif) receptor 7
Cst3		cystatin C
ldb3		inhibitor of DNA binding 3 (Id3)
	Ifi205	interferon activated gene 205
Lbh		limb-bud and heart
Ltb		lymphotoxin B
Scml4		sex comb on midleg-like 4

Up-regulation : Induction by IL-4

PARP-14 KO ^d	WT ^e	Gene name annotation
	Abcg1	ATP-binding cassette/transport chemokine
Ccl4		chemokine-ligand 4
Hmgn3		high mobility group nucleosomal binding domain 3
Samsn1		NM_023380 SAM domain
Serpina3g		serine (or cysteine) proteinase inhibitor
Wars		tryptophanyl-tRNA synthetase
	Wdfy2	WD repeat and FYVE domain containing 2
Xbp1		X-box binding protein 1
Xcl1		chemokine (C motif) ligand 1

- a. Listed genes are reproducibly exhibited more than two-fold differences in expression.
- b. Genes exhibiting greater repression by IL-4 in WT B cells compared to PARP-14 KO.
- c. Greater repression by IL-4 in PARP-14 deficient B cells than in WT controls.
- d. Greater induction by IL-4 in WT B cells than PARP-14 KO's.
- e. Less induction by IL-4 in WT B cells than PARP-14 KO cells.
- f. GenBank accession name.