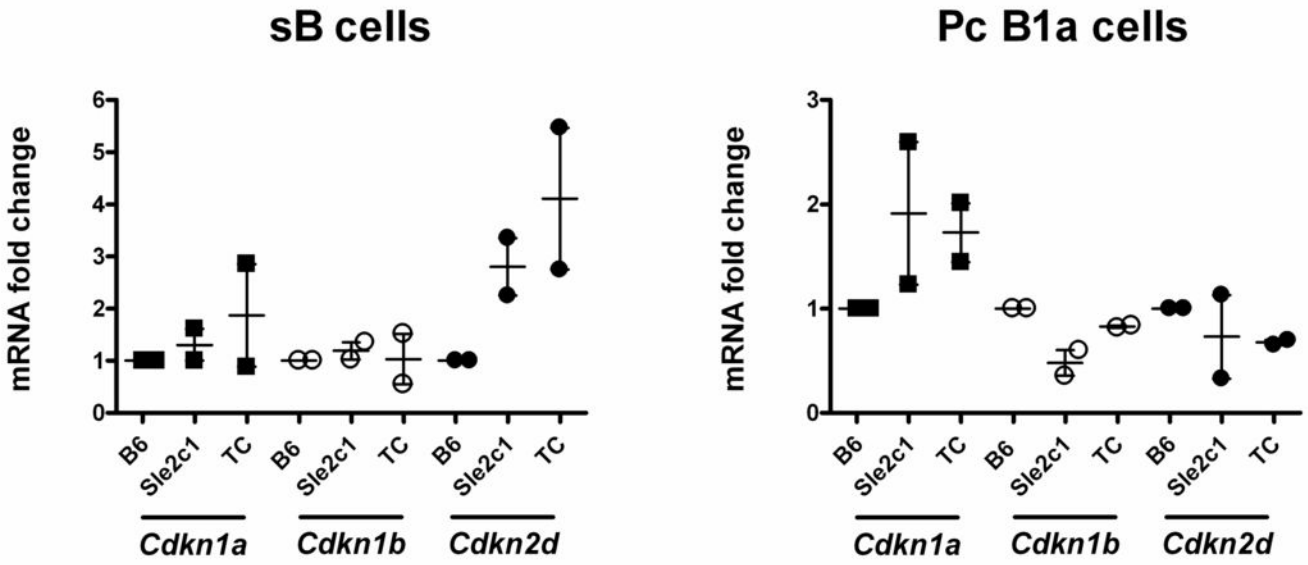
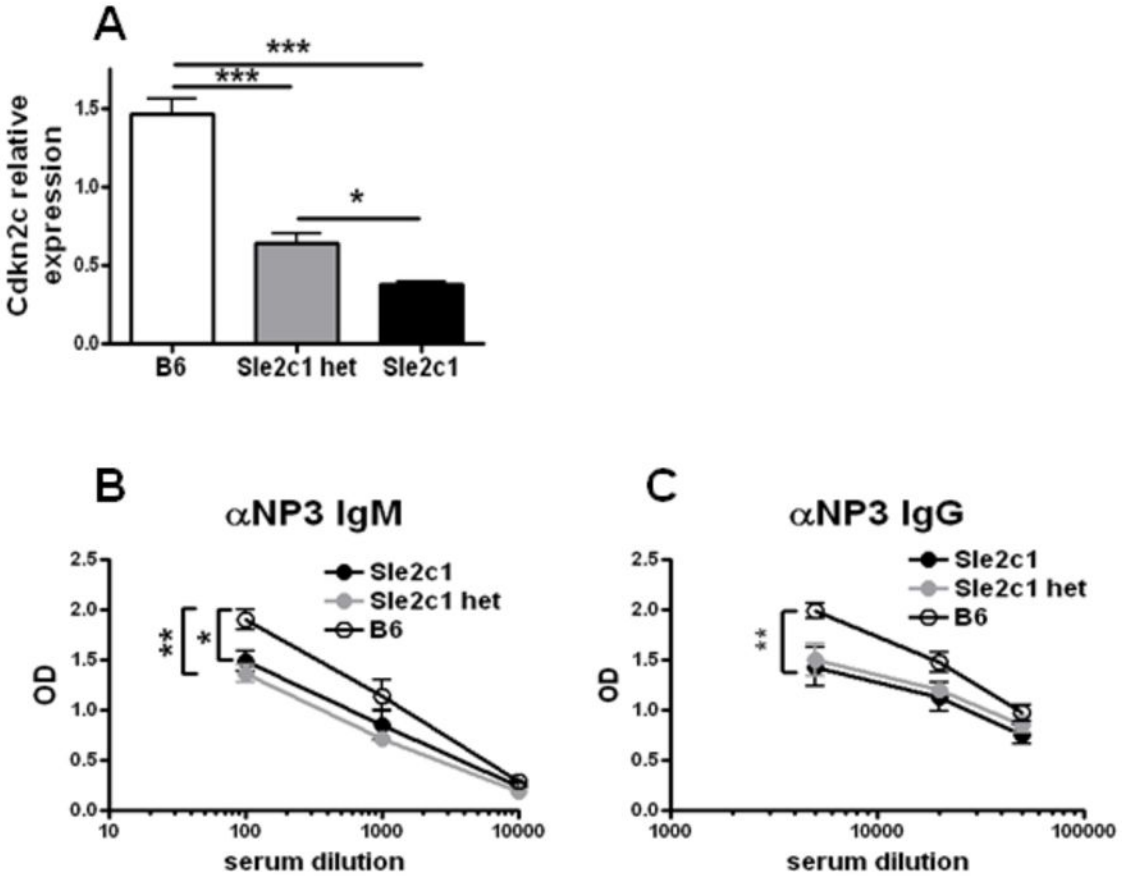
Supplemental Figure 1



Message expression of *Cdkn1a*, *Cdkn1b* and *Cdkn2d* in sB (left) and Pc B1a (right) cells collected from B6, B6.*Sle2c1* and B6.TC mice. The graphs show means and SEM.

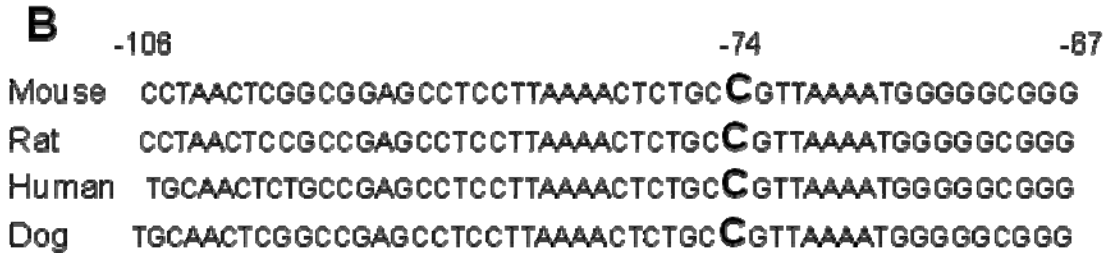
Supplemental Figure 2



Supplemental Figure 2. Secondary immunization of B6.*Sle2c1* heterozygote mice as compared to B6.*Sle2c1* homozygote and B6 mice. *A*, *Cdkn2c* relative expression in spleens of mice of the indicated strains after secondary immunization with NP-KLH. qRT-PCR *Cdkn2c* expression was normalized to *Gapdh* and expressed relatively to an unimmunized B6 value set at 1. *B* and *C*, Anti-NP IgM and IgG Ab produced by these mice. Means and SEM of 3-4 mice per strain are shown. For B and C, the statistical significance corresponds to values at the lowest dilutions. *: $P < 0.05$, **: $P < 0.01$, and ***: $P < 0.001$.

A

CGCCGCCAGGGCGTTGGGCGGGGCGTGGGCGGGGCCCGGCCTTCCCGCTCCCGCGGC
GCCCTAACTCGGCGGAGCCTCCTTAAAACTCTGC**C/T**GTTAAAATGGGGGCGGGTTTTTCA
ACTCAAAAAGCGCTCAATTTTTTTCTTTTCAAAAAAAGCTGATGAGGTCG+1



Supplemental Figure 3. The *Sle2c1*/NZB allele of the *Cdkn2c* promoter contains a SNP in a highly conserved region. **A**. The -74 SNP in the *Cdkn2c* promoter with C allele for B6 and a T allele for *Sle2c1*/NZB is shown (bold underlined) as well as the E2F (grey boxes) and the YY1 binding sites. The common YY1 binding site is indicated with a dashed arrow, the YY1 binding site created by the C allele is shown by a bold arrow. **B**. The region surrounding the -74 C/T SNP is highly conserved in mammals.

Supplemental Table 1. Gene list in the *Sle2c1* interval between rs28132547 and D4MIT278

Start	End	Gene symbol	Gene description	Expressed in B cells*
108673260	108734382	*Nrd1*	nardilysin, N-arginine dibasic convertase, NRD convertase 1	+
108734260	108874821	*Osbpl9*	oxysterol binding protein-like 9	++
108907090	108927174	*Calr4*	calreticulin 4	+
108952906	109060255	*Eps15*	epidermal growth factor receptor pathway substrate 15	++
109125504	109149588	*Rnf11*	ring finger protein 11	-
109333481	109339262	*Cdkn2c*	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	++
109349299	109634646	*Faf1*	Fas associated factor	++
109650630	109656289	*Dmrta2*	doublesex and mab-3 related transcription factor like family A2	+
109876327	110024419	*Elavl4*	embryonic lethal, abnormal vision, Drosophila-like 4 (Hu antigen D)	-
111392615	111501789	*Spata6*	spermatogenesis associated 6	-
111547980	111575523	*Slc5a9*	solute carrier family 5 (sodium/glucose cotransporter), member 9	+
111591997	113917633	*Skint1-11*	Skint gene cluster	?
114578887	114581478	*Foxd2*	forkhead box D2	+
114597752	114598618	*Foxe3*	forkhead box E3	+
114633245	114659751	*Cmpk*	cytidine monophosphate (UMP-CMP) kinase 1	++
114672805	114715476	*Stil*	Scl/Tal1 interrupting locus	+
114729031	114744360	*Tal1*	T-cell acute lymphocytic leukemia 1	+
114761328	114766498	*Pdzk1ip1*	PDZK1 interacting protein 1	-
114778928	114806886	*Cyp4x1*	cytochrome P450, family 4, subfamily x, polypeptide 1	+

* Based on BioGPS (http://biogps.gnf.org)