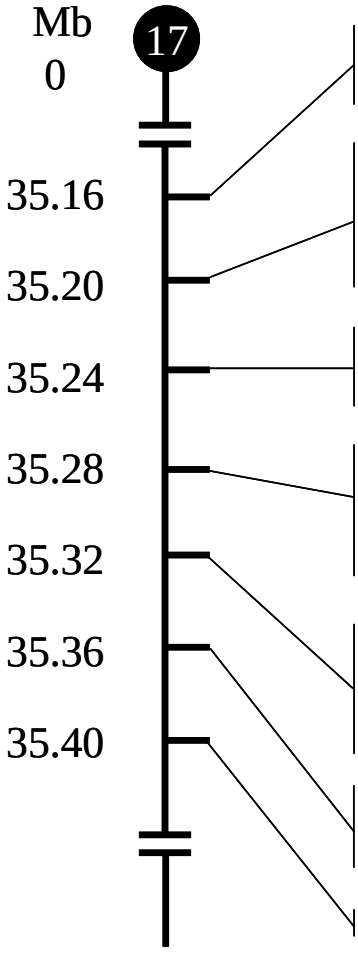
Supplemental Data

Figure S1. List of potential candidate genes in the mapped H-2D region of chromosome 17. The black bars to the left of the map are segments of the H-2D interval with scale indicating positions in megabases (Mb). Mouse gene names and symbols as well as the corresponding human gene symbols from syntenic human chromosome 6p21.3 are listed on the right side. The H-2D region was annotated according to the Ensembl Genome database (http://www.ensembl.org).



Mouse Symbol	Human symbol	Mouse gene name
Vars	VARS	valyl-tRNA synthetase
D17H6S56E-3	C6orf27	DNA segment, Chr 17, human D6S56E 3
Ng23	C6orf26	Ng23 protein
Msh5	MSH5	mutS homolog 5 (E. coli)
Clic1	CLIC1	chloride intracellular channel 1
Ddah2	DDAH2	dimethylarginine dimethylaminohydrolase 2
AU023871		expressed sequence AU023871
G6b	G6B_HUMAN	G6B protein
Ly6g6c	LY6G6C	lymphocyte antigen 6 complex, locus G6C
Ly6g6d	LY6G6D?	lymphocyte antigen 6 complex, locus G6D
Ly6g6e	LY6G6E	lymphocyte antigen 6 complex, locus G6E
Bat5	BAT5	HLA-B associated transcript 5
Ly6g5c	LY65GC	lymphocyte antigen 6 complex, locus G5C
Ly6g5b	LY6G5B	lymphocyte antigen 6 complex, locus G5B
Csnk2b		casein kinase 2, beta polypeptide
Bat4	BAT4	HLA-B associated transcript 4
D17H6S53E	NP_067007.3	DNA segment, Chr 17, human D6S53E
Apom	APOM	apolipoprotein M
LOC100043621		hypothetical protein LOC100043621
Bat3	BAT3	HLA-B-associated transcript 3
Bat2	BAT2	HLA-B associated transcript 2
Aif1	AIF1	allograft inflammatory factor 1
EG667612	NCR3	predicted gene, EG667612
Lst1	LST1	leukocyte specific transcript 1
Ltb	LTB	lymphotoxin B
Tnf	TNF	tumor necrosis factor
Lta	LTA	lymphotoxin A
Nfkbil1	NM 005007	
Atp6v1g2	ATP6V1G2	ATPase, H+ transporting, lysosomal V1 subunit
Bat1a	BAT1	HLA-B-associated transcript 1A
H2-D1		histocompatibility 2, D region locus 1

Figure S2. Congenic mice R2 (A) and R7 (B) with at least one NKC^{mamy} haplotype were infected with a range of MCMV doses as indicated and splenocytes were analyzed by flow cytometry at 90h post-infection. A. Percentages (upper graph) and numbers (lower graph) of Ly49G2+ NK cells (gated NK1.1+ CD3-) from uninfected or infected R2 mice are shown. B. Percentages (upper graph) and numbers (lower graph) of G2+ (black) or G2- (grey) NK cells (gated NK1.1+ CD3-) from uninfected or infected R7 mice are shown. * P<0.05, ** P<0.01. NS, not significant. Statistical analysis was performed with Student's T-test.

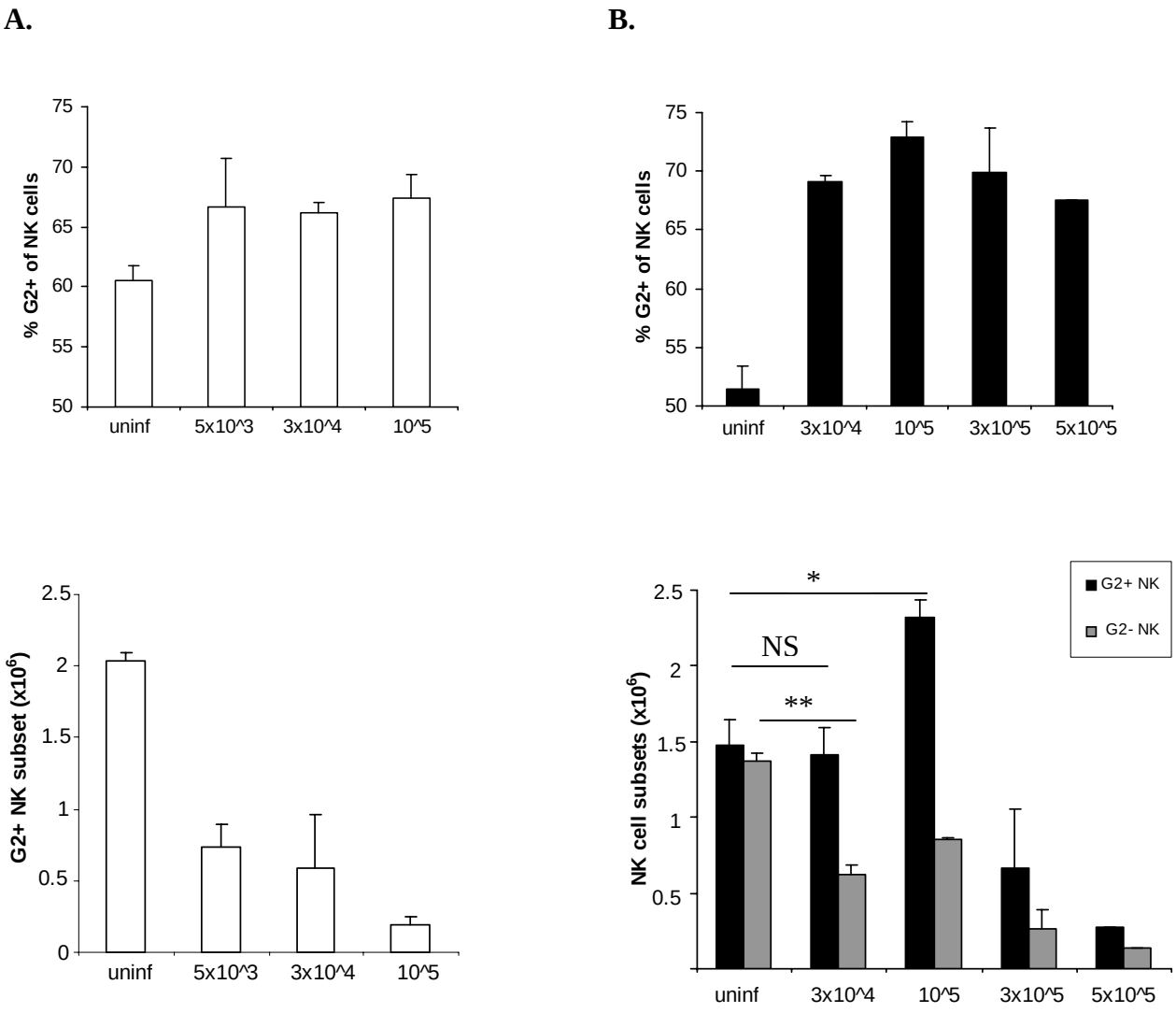


Figure S3. Splenocytes were harvested from uninfected 129 and congenic mice R2 and R7 with the homozygous NKC^{mamy} haplotype and cultured in IL-2 media for 5 days. Adherent cells (lymphokine activated killer cells) were stained and analyzed by flow cytometry. Purity of NK cells was 70-95% as determined by gating (DX5+CD3-CD19- for 129 mice and NK1.1+CD3-CD19- for NKC^{mamy} mice). Representative dot plots are shown.