Effect of influenza infection on anti-dsDNA autoantibody production in female CD4+ T cell Xist cKO mice



with self-antigen

outoantibodie

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CONCLUSIONS

CD4 cKO mice experienced less weight loss when compared to HETs and WT mice. HAI titers confirm that the mice were infected with influenza and did not differ in severity.

Female CD4 cKO mice did not produce significantly different anti-dsDNA autoantibody titers compared to WT mice or HETs. There was no difference between the genotypes at any point before or after infection.

• The individual samples within the cKO cohort were highly variable..

• Influenza infection results in elevated anti-dsDNA compared to naïve mice, independent of genotype.

FUTURE DIRECTIONS

• What is the mechanism behind the CD4 cKO's resistance to weight loss?

- Flow cytometry to assess possible changes in the T cell compartment
- RNA sequencing
 - CD40L¹⁶

Exchange acute, respiratory influenza virus for a virus characterized by chronic, latent infection

• EBV, HCMV, MHV68

Consider other autoantibodies for ELISA

• Anti-Sm, -U1snrnp, -centromere

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