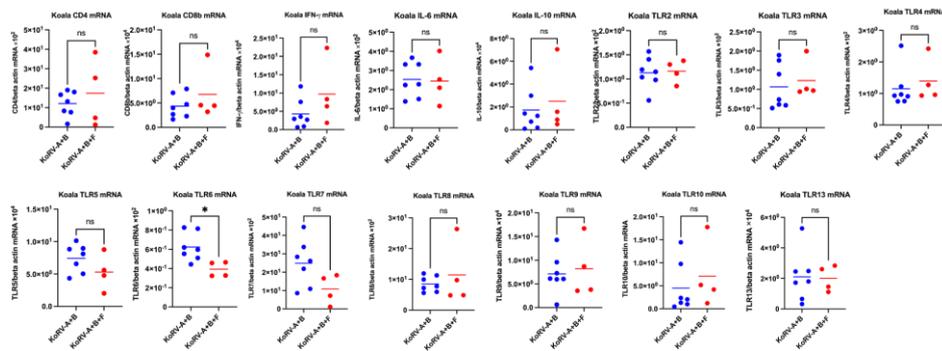
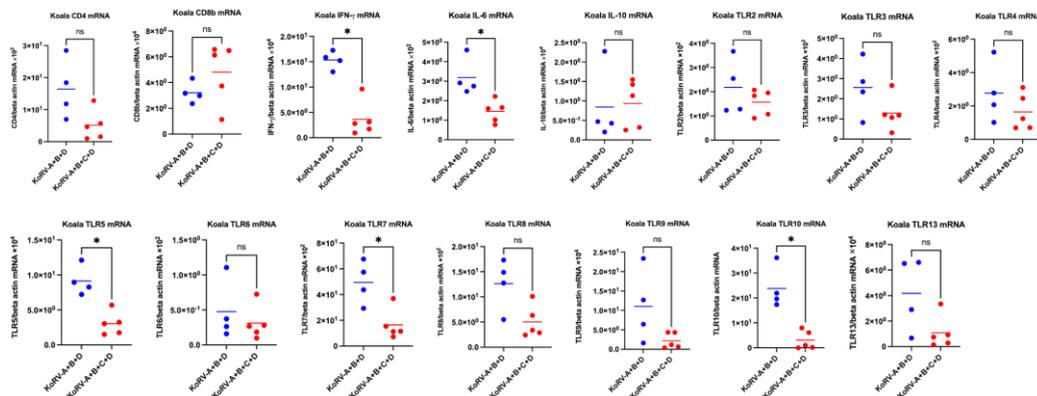


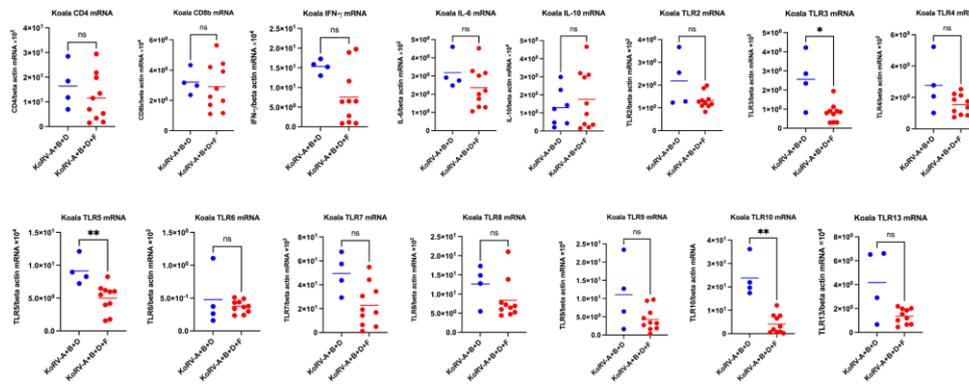
**Supplementary Figure S1.** Changes in the expression of CD4, CD8b, IFN- $\gamma$ , IL-6, IL-10, TLRs (TLR2–10 and TLR13) mRNAs in koala PBMCs infected with KoRV-A+B and KoRV-A+B+D. The transcript levels were normalized against koala beta actin mRNA levels. A Mann–Whitney U test was performed to analyze the significant difference of gene expression patterns between the groups. \*  $p < 0.05$  and \*\*  $p < 0.01$  indicate significant differences between the groups, and ‘ns’ indicates that the difference is not significant. Thick horizontal lines indicate arithmetic mean.



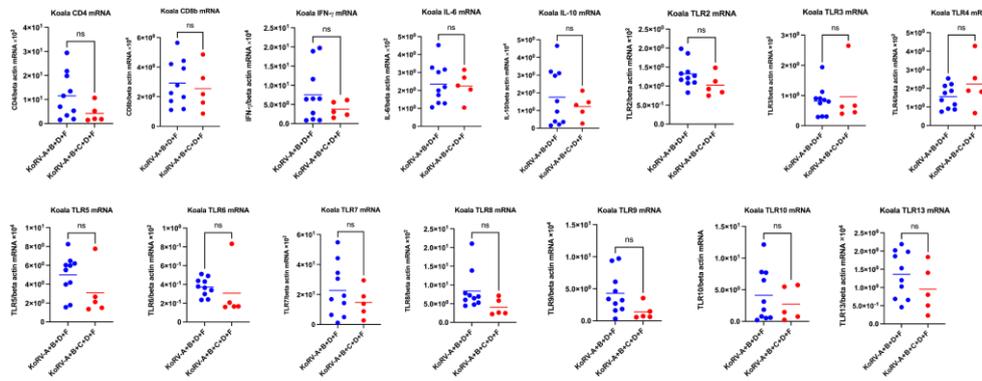
**Supplementary Figure S2.** Changes in the expression of CD4, CD8b, IFN- $\gamma$ , IL-6, IL-10, TLRs (TLR2–10 and TLR13) mRNAs in koala PBMCs infected with KoRV-A+B and KoRV-A+B+F. The transcript levels were normalized against koala beta actin mRNA levels. A Mann–Whitney U test was performed to analyze the significant difference of gene expression patterns between the groups. \*  $p < 0.05$  indicates significant differences between the groups, and ‘ns’ indicates that the difference is not significant. Thick horizontal lines indicate arithmetic mean.



**Supplementary Figure S3.** Changes in the expression of CD4, CD8b, IFN- $\gamma$ , IL-6, IL-10, TLRs (TLR2–10 and TLR13) mRNAs in koala PBMCs infected with KoRV-A+B+D and KoRV-A+B+C+D. The transcript levels were normalized against koala beta actin mRNA levels. A Mann–Whitney U test was performed to analyze the significant difference of gene expression patterns between the groups. \*  $p < 0.05$  indicates significant differences between the groups, and ‘ns’ indicates that the difference is not significant. Thick horizontal lines indicate arithmetic mean.



**Supplementary Figure S4.** Changes in the expression of CD4, CD8b, IFN- $\gamma$ , IL-6, IL-10, TLRs (TLR2–10 and TLR13) mRNAs in koala PBMCs infected with KoRV-A+B+D and KoRV-A+B+D+F. The transcript levels were normalized against koala beta actin mRNA levels. A Mann–Whitney U test was performed to analyze the significant difference of gene expression patterns between the groups. \*  $p < 0.05$  and \*\*  $p < 0.01$  indicate significant differences between the groups, and ‘ns’ indicates that the difference is not significant. Thick horizontal lines indicate arithmetic mean.



**Supplementary Figure S5.** Changes in the expression of CD4, CD8b, IFN- $\gamma$ , IL-6, IL-10, TLRs (TLR2–10 and TLR13) mRNAs in koala PBMCs infected with KoRV-A+B+D+F and KoRV-A+B+C+D+F. The transcript levels were normalized against koala beta actin mRNA levels. A Mann–Whitney U test was performed to analyze the significant difference of gene expression patterns between the groups. ‘ns’ indicates that the difference is not significant. Thick horizontal lines indicate arithmetic mean.