

Description of Additional Supplementary Files

Supplementary Data 1. Proteomics of Vero cells infected with TBEV. Statistical analysis of proteomics at 2, 6, 12,24 and 48 hours post TBEV infection (n=3 independent experiments).

Supplementary Data 2. Phosphoproteomics of Vero cells infected with TBEV. Statistical analysis of phosphoproteomics at 2, 6, 12,24 and 48 hours post TBEV infection (n=3 independent experiments).

Supplementary Data 3. Comparison of phosphorylated and acetylated sites with protein abundance at 48 hpi. Statistical analysis of multi-omics at 48 hours post TBEV infection (n=3 independent experiments).

Supplementary Data 4. Kinases displaying changes in activity upon TBEV infection. This is a complete table listing all the K-S relationships identified from the experimental dataset. This includes relationships for kinases that are not featured in the bar plot. For each kinase, every substrate identified from the dataset was used for the KSEA calculations.

Supplementary Data 5. The analysis of kinase scores upon TBEV infection. This is a complete table listing all the kinases, including those that are not featured in the bar plot, that have at least one identified substrate in the input dataset.

Supplementary Data 6. Acetylproteomics of Vero cells infected with TBEV. Statistical analysis of acetylproteomics at 2, 6, 12,24 and 48 hours post TBEV infection (n=3 independent experiments).

Supplementary Data 7. Expression and modifications of viral proteins. Statistical analysis of LFQ intensity of expression and modification of viral proteins at 2, 6, 12,24 and 48 hours post TBEV infection (n=3 independent experiments).

Supplementary Data 8. GO enrichment analysis of proteome, acetylproteome and phosphorproteome data after TBEV infection. GO enrichment analysis of proteome, acetylome and phosphorproteome data after TBEV infection at 24 and 48 hpi.

Supplementary Data 9. Antiviral effects of the selected drugs or compounds in this study.

Supplementary Data 10. Primer pairs used for quantitative real-time PCR (qPCR).