



THE UNIVERSITY OF TEXAS

MD Anderson
~~Cancer~~ Center

Making Cancer History®

PRIME-TR
BUILD INNOVATE CARE

CANCER MOONSHOT

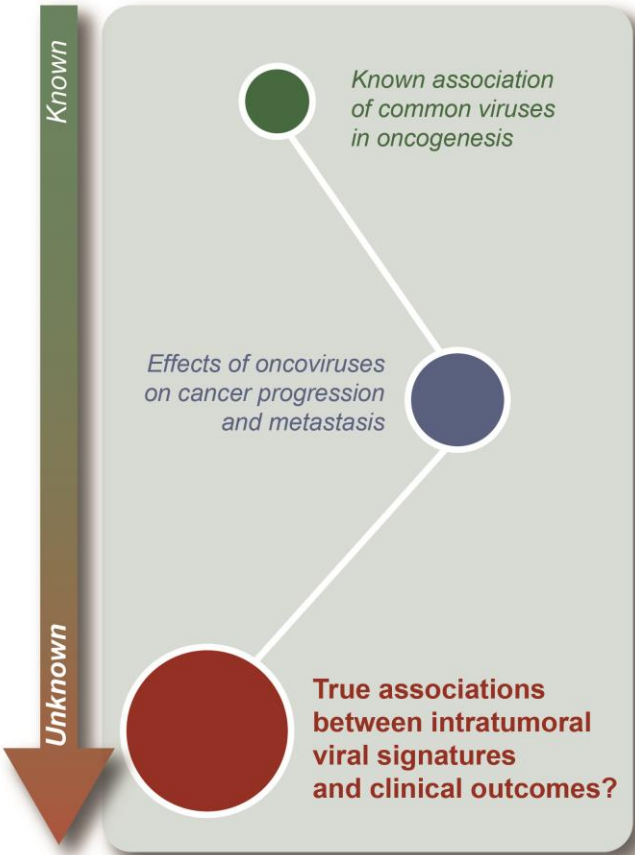
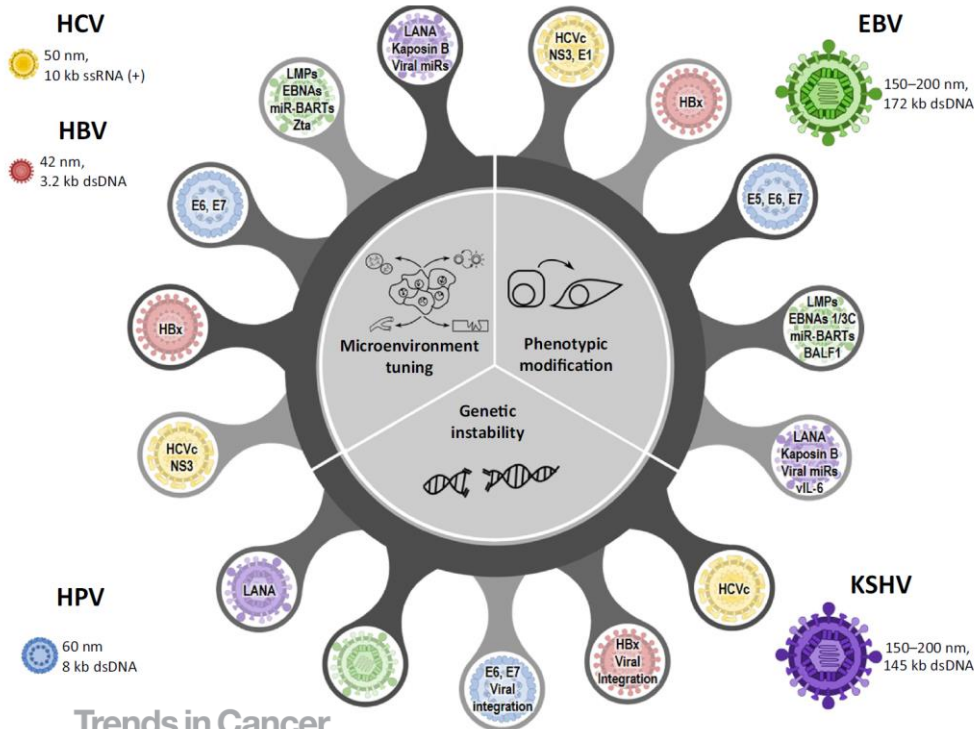
VirMAP for Cancer: Characterization of the Intratumoral Virome in Virally- Associated Cancers and a Resource for Investigators

Y. David Seo

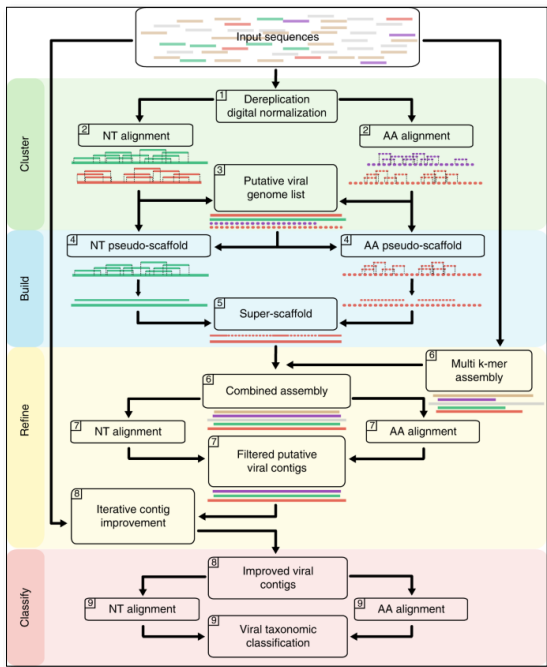
Leading Edge of Cancer Symposium Abstract
October 2022

Current landscape of viral associations in cancer

CellPress
REVIEWS



VirMAP – A powerful tool for cancer virome interrogation



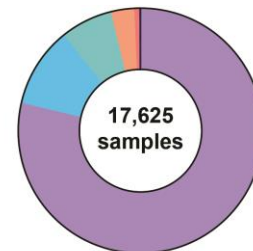
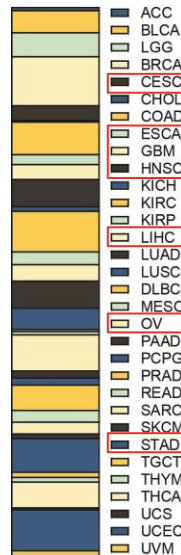
VIRMAP FOR CANCER

Hallmarks of the VirMAP algorithm

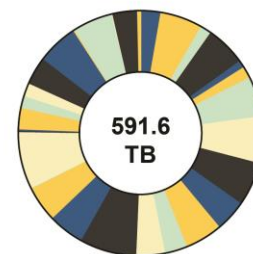
Viral genomic reconstruction

Accurate taxonomic classifications

Quantitative viral signals



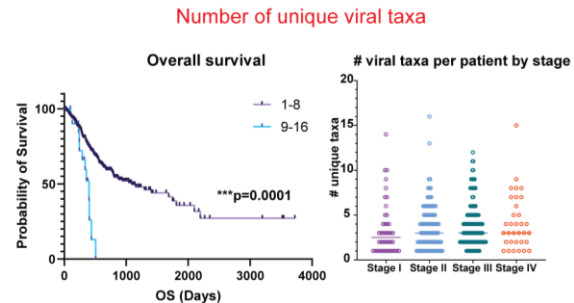
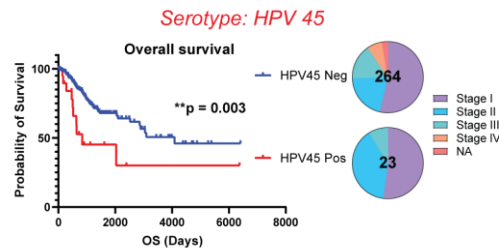
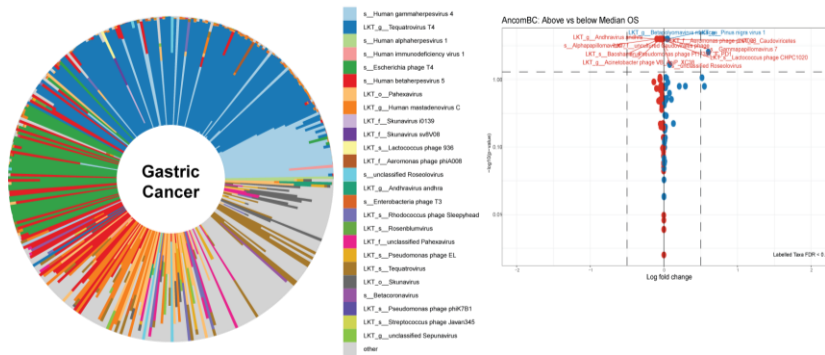
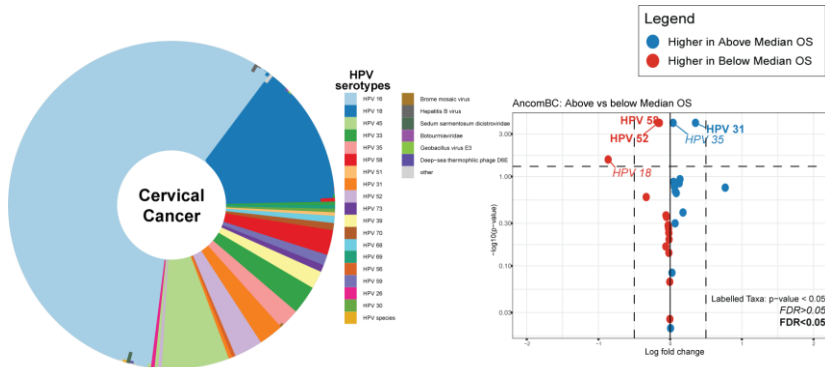
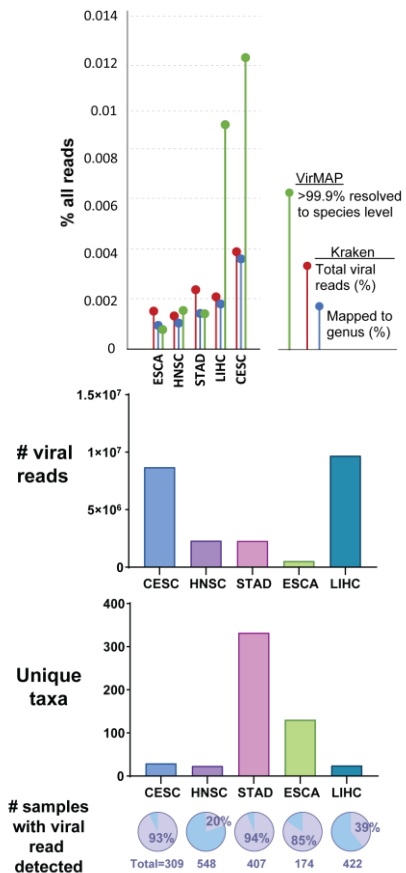
- Primary Tumor
- Blood Derived Normal
- Solid Tissue Normal
- Metastatic
- Recurrent Tumor
- Additional



NIH NATIONAL CANCER INSTITUTE

RNA Sequencing
Whole genome sequencing
Whole exome sequencing

Serotype-level virome resolution allows for nuanced exploration



CEC: Cervical; HNSC: Head and Neck; STAD: Stomach; ESCA: Esophageal; LIHC: HCC