A to I editing events in human proteins from baseline tissues

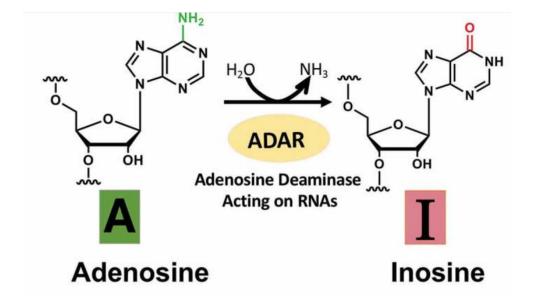
Ananth Prakash

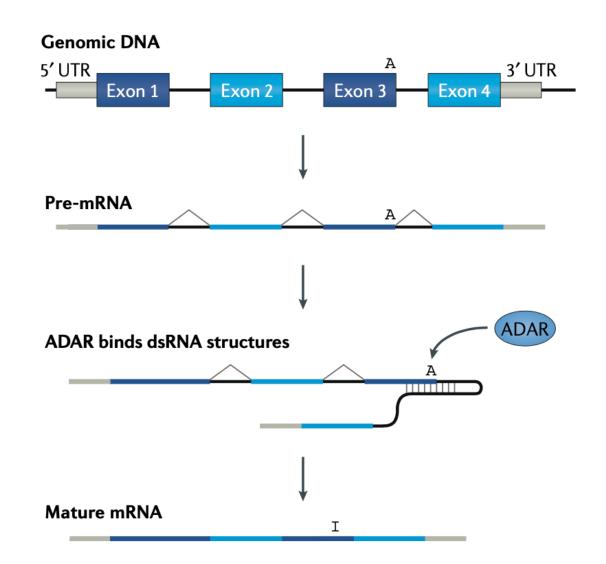
6th February 2024

Adenine to Inosine editing

Adenosine deaminase acting on RNA (ADAR) enzymes

- double-stranded RNA-specific adenosine deaminase (ADAR1)
- double-stranded RNA-specific editase ADAR2 and ADAR3

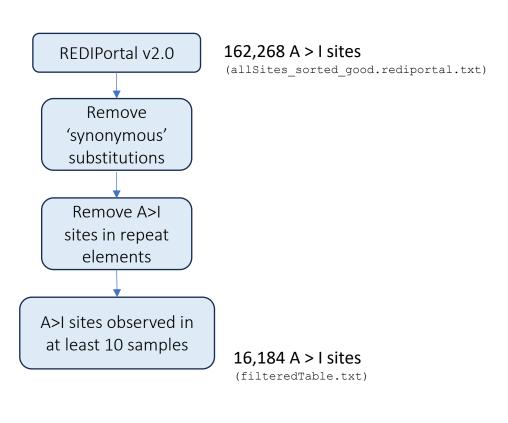


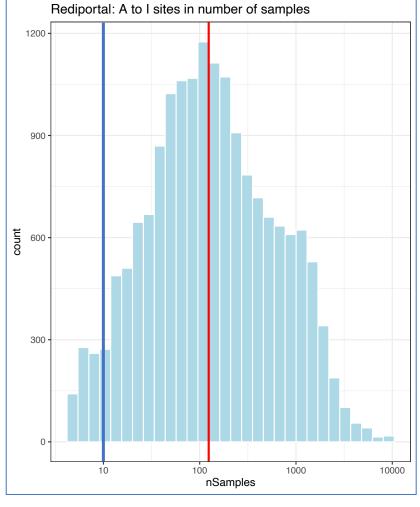


Eisenberg and Levanon, Nat. Methods. 2018. https://doi.org/10.1038/s41576-018-0006-1

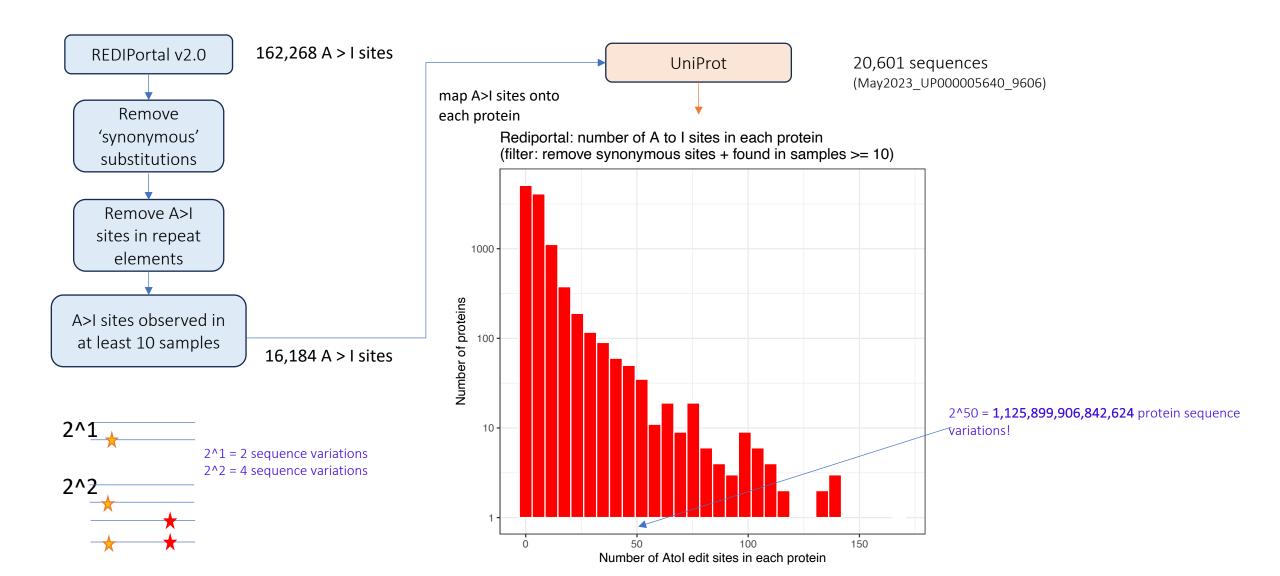
Method to generate A to I search database

• A > I sites from REDIPortal



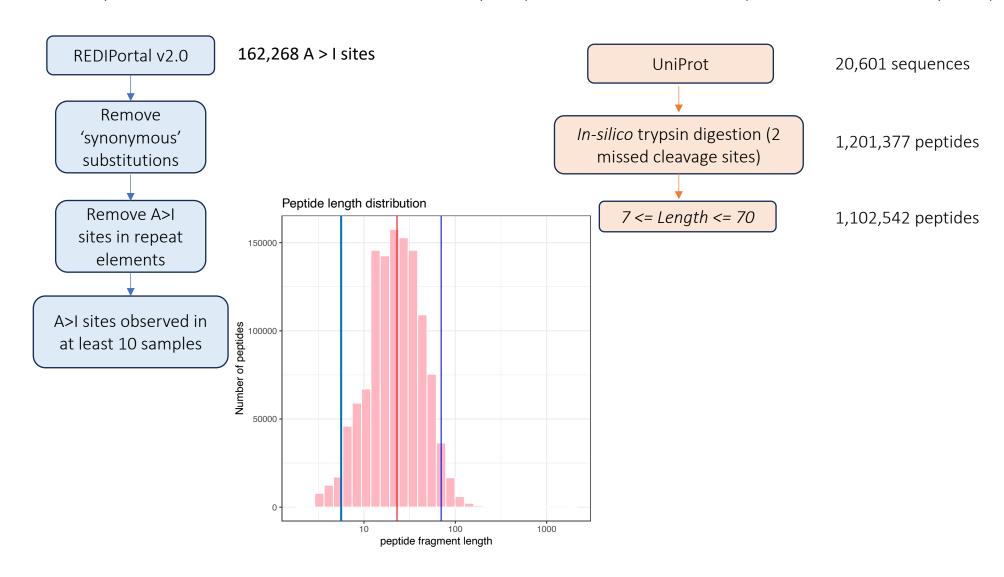


Protein seq. database or Peptide seq. database?



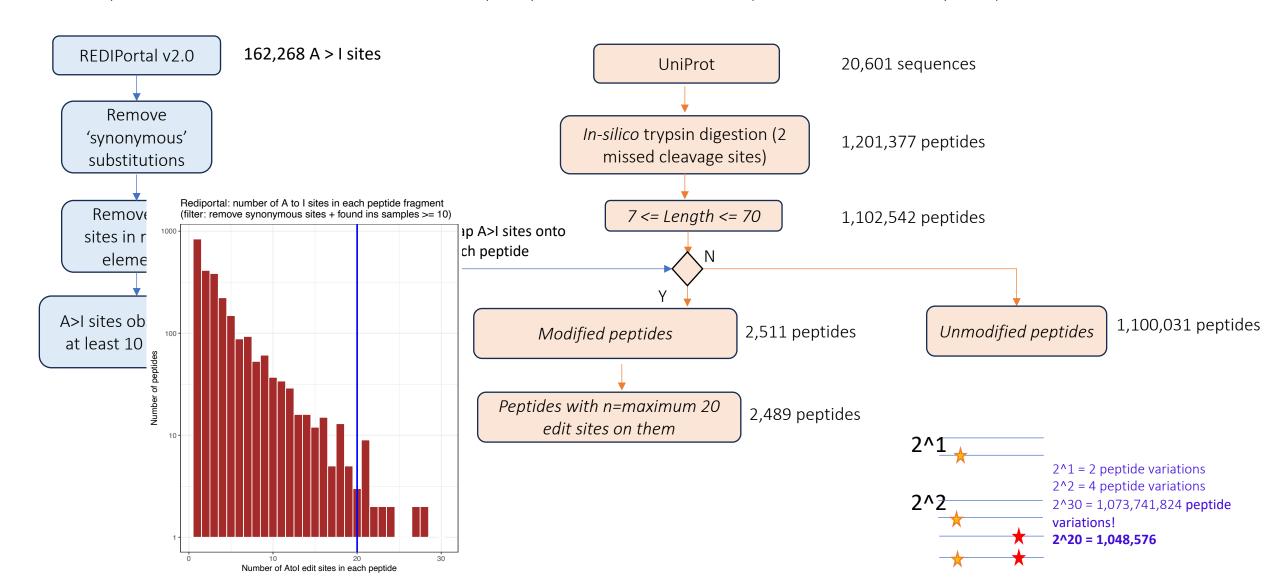
Method to generate A to I peptide search database

• A > I sites from RFDIPortal



Method to generate A to I peptide search database

• A > I sites from RFDIPortal



Method to generate A to I peptide search database

• A > I sites from RFDIPortal

