

Apply >50,000
signatures & HMMs

InterProScan

MEGERSTCFYY
FWAWLPINAW
LPMEEEFSTPI
LNRRFLAWAFL

Input: amino acid sequence

- **Amylase activity**

- **Exported protein**

Output: annotation with a subset
of >10,000 multi-hot labels

Apply single
deep neural network

ProteinInfer