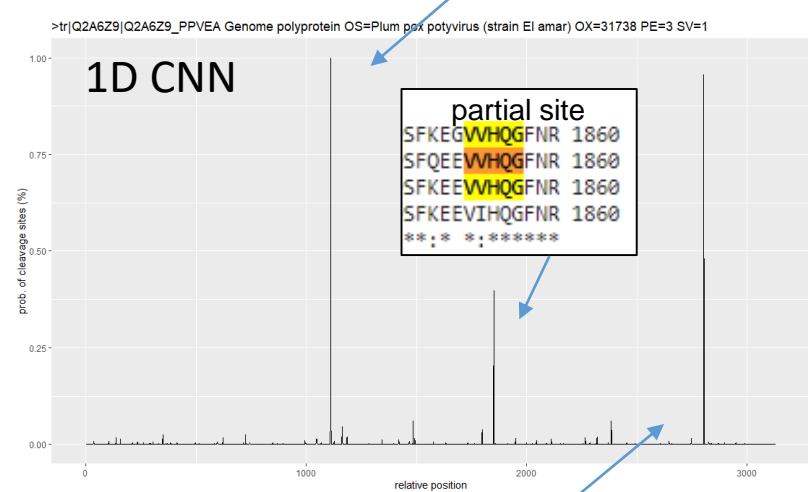
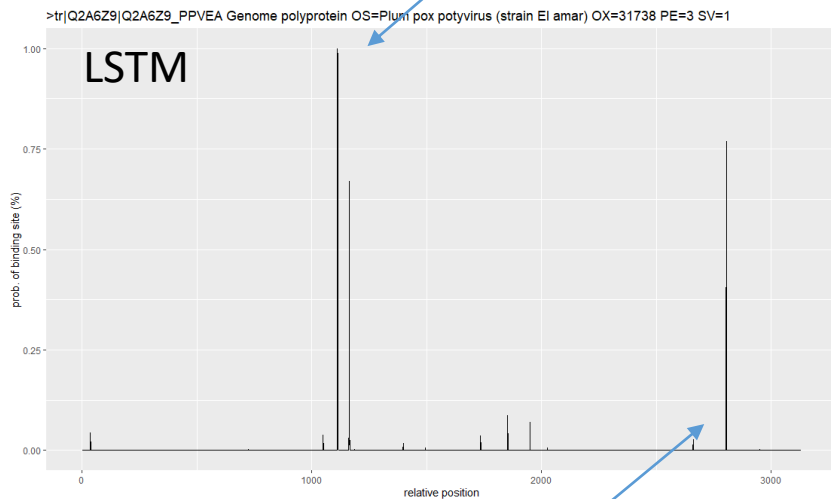


Example: DPSITES.R - Searching for motifs in sequences

```
tr|Q2A6Z9|Q2A6Z9_PPVEA
sp|Q84934|POLG_PPVSK
tr|A0A2Z5UG20|A0A2Z5UG20_PPVD
sp|P17766|POLG_PPVNA
```

```
DTPTADEFLEYVEGENPDL SKYAADLIGEGVVVHQS KRDSQANLERV VAFVALVMMLFD 1140
CTPTADEFLEYVQGENPDL SKYAEDLIGDGVVVHQS KRDSQANLERV VAFVALVMMLFD 1140
CTPTADEFLEYVGENPDL LKHAEDLIGGWSVVVHQS KRDSQANLERV VAFVALVMMLFD 1140
CTPTADEFLEYVGDENPDL LKHAEDLIGDGVVVHQS KRDSQANLERV VAFVALVMMLFD 1140
***** .***** *: ***** .*****:*****:*****
```



```
tr|Q2A6Z9|Q2A6Z9_PPVEA
sp|Q84934|POLG_PPVSK
tr|A0A2Z5UG20|A0A2Z5UG20_PPVD
sp|P17766|POLG_PPVNA
```

```
KDGKAPYIAETALKKLYDT EASETEIERYLEAFYSDLTDEDESNVVHQADE KEDDEEE 2820
KDGKAPYIAETALRKLYT DSEASETEIERYLEAFYNDVDSLDSNIVIHQADEEED-DEE 2819
KDGKAPYIAETALKKLYDT EASETEIERYLEAFYNDINDGESNVVHQADERED-EEE 2819
KDGKAPYIAETALKKLYT DSEASETEIERYLEAFYDNINDGESNVVHQADERED-EEE 2819
*****:*****:*****:*****:*****:*****:*****:*****:*****
```

Original idea and code: Zou, J., Huss, M., Abid, A., Mohammadi, P., Torkamani, A., & Telenti, A. (2018). A primer on deep learning in genomics. Nat Genet. 2019 Jan;51(1):12-18. doi: 10.1038/s41588-018-0295-5.