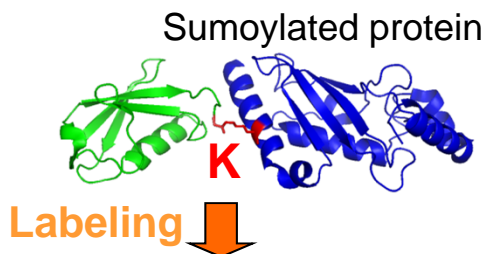


Prediction of Protein Sumoylation Sites using Deep Learning

Known information



Positive data: sumoylation sites
Negative data: non-sumoylated lysines

Sequence space

MWCH**K**PADGGGE..SSFYFD**K**GGWGGG..
1 -1

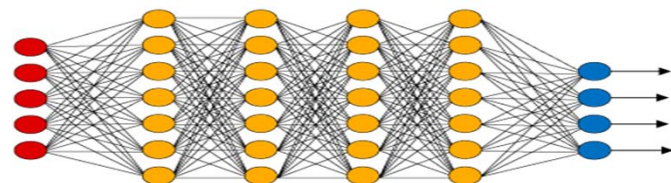
Input encoding ↓

Biological Features

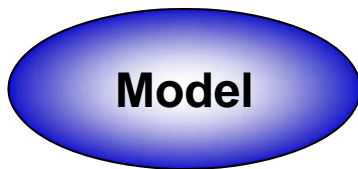
Feature space

6.0 7.0 8.3 6.0 **7.0** 7.0 7.0 .. 3.6 **7.0** 7.0 ..

Training ↓



Classifier construction



evaluation

