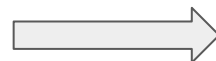


## fasta file a.fasta

```
>SMFY01000001 [Ancylobacter aquaticus strainDSM 101 | 100.11]  
cacctattatgtcgacgcgctgaacaacaccgacatgccgctccgggcc...  
>SMFY01000002 [Ancylobacter aquaticus strain DSM 101 | 100.11]  
gcgctgaacaacaccgacatgccgctccggggccgcaccgcgctgaac...  
>SMFY01000003 [Ancylobacter aquaticus strain DSM 101 | 100.11]  
ttcgagtgccttggcgccaccgaggggtcagccctgatcgccaatcgcaa...
```

concat



sequences

take random sample

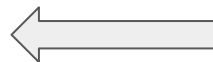
cacctattatgcg...gcgctgaacaac..ttcgagtgccttgg..

one-hot encoding

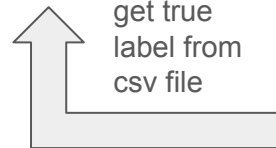


0 0 0 1  
0 1 0 0  
0 0 1 0  
...

train model

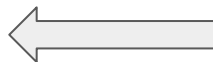


get true  
label from  
csv file



neural  
network

predict feature



is aerobe ?

file | aerobe

a.fasta	1
b.fasta	0
c.fasta	0 ...