Frietze Lab Genomics ≡

Run prediction

Download Results

Welcome to **SeqNet** . This APP uses a deep learning model - a type of artificial neural network (ANN) - to predict whether long ONP reads are human or viral in nature. Copy and paste some sequences (FASTA format) below and use the buttons on the sidebar to run SeqNet and download the results once complete (Please be patient if inputting a large number of sequences).
Download example input

SeqNet

```
>channel_100_6e2075f3-e0ad-48a5-8eac-
14d0732743ad_qscore_6.9_read_score_-2.6/template/722/6.88
C:\data\reads\pass\AGTC_NGS_Lab_20170713_FNFAB47911_MN19027_sequencing_run_hhv6_
wga_31173_ch100_read1751_strand.fast5
AACTTCGCCGTTCCATATTATGTTTCGCATTTATCGTGACTTTTCCATTTCACCACTTCA
CCCAATGATTGGATAAATAATTCTTTAGTTCTTTTGAGAAATTGTAGTGTTCTAATGGCT
GAACAAATTTACATTCCTCCAACAATATGCTTTGTCCACTGTTTACCATTCTTATTTTTG
ACTTTTAATAAAGCCCTCGTGGCAATGTTATCACACTGGTTTGTTTGCATTCTCTAATTG
TAGTGATGTGGTATTTTATAATAACTTGCGGCCACATGTGTCTTCAGACAACCATTATTA
TTTACCCACTATTAAATTGTTGGTTTCTTGTTATTGTTTATAATTCTGATATTAGACCTT
```

Show 10 entries Search:

	read	p(human)	
1	channel_100_6e2075f3-e0ad-48a5-8eac-14d0732743ad_qscore_6.9_read_score_-2.6/template/722/6.88	1	9.450285
2	channel_100_dfe81539-f661-4317-960c-a529f49f57e4_qscore_6.9_read_score_-2.5/template/1597/6.92	1	3.083063
3	channel_100_a6d58c71-47d2-4a0e-bdd0-33d0dd6cfeac_qscore_6.7_read_score_-2.6/template/3404/6.68	1	9.801777
4	channel_100_a15a443f-0ee1-4179-a5d5-91f627e314c8_qscore_6.5_read_score_-2.7/template/2804/6.48	1	1.284300
5	channel_100_5ddb4b57-2597-4087-904f-c772b719fd1d_qscore_7.4_read_score_-2.3/template/464/7.4	1	1.256854
6	channel_100_934a2e4f-1a10-4468-a098-84361eb50701_qscore_4.6_read_score_-3.4/template/73383/4.62	1	9.862137
7	channel_100_de4d181f-5daa-472f-944d-b30efc9d32c1_qscore_6_read_score_-2.8/template/710/6.01	1	7.534154
8	channel_100_391a89ae-048b-4334-8e36-b4e4f371e900_qscore_6.7_read_score_-2.5/template/838/6.72	1	3.414435
9	channel_100_1c5eb9e6-aa94-4d74-989b-a285aaa81180_qscore_7.1_read_score_-2.4/template/1760/7.12	1	5.601285
10	channel_100_10fec7fb-ad11-48e6-b68f-2abf8ddc95c1_qscore_6.9_read_score_-2.4/template/703/6.91	1	8.693164

Showing 1 to 10 of 100 entries Previous 1 2 3 4 5 … 10 Next