EBOV sequence datasets

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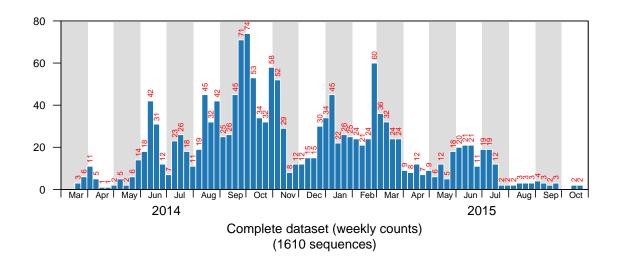
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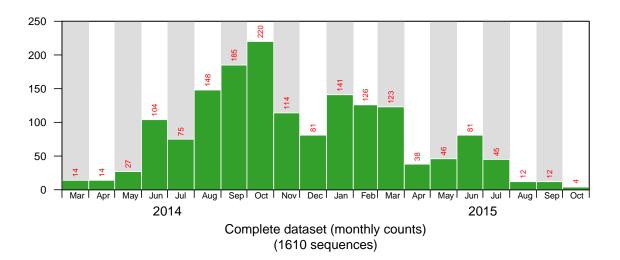
1 Summary

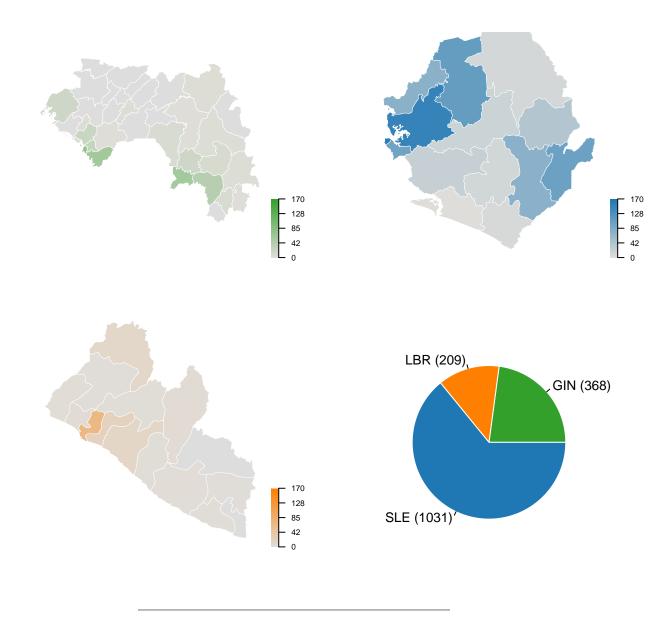
Get a few smaller subsets of the dataset on https://github.com/ebov/space-time.

2 Datasets

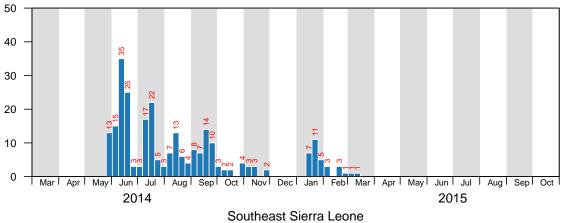
2.1 Complete dataset

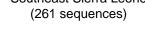


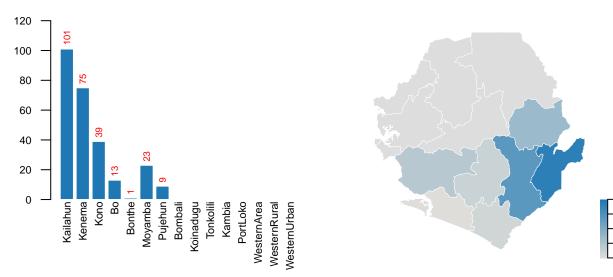




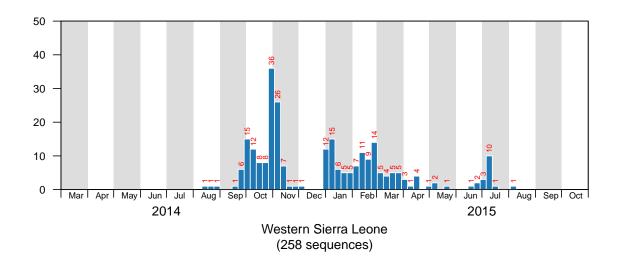
2.2 Southeast Sierra Leone

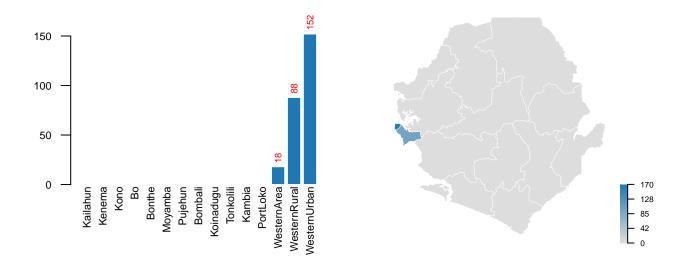




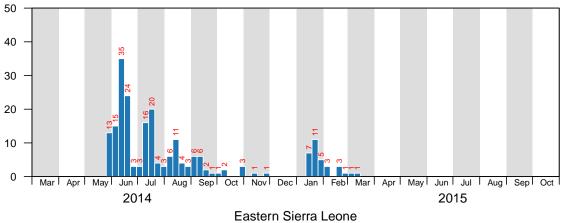


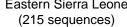
2.3 Western Sierra Leone

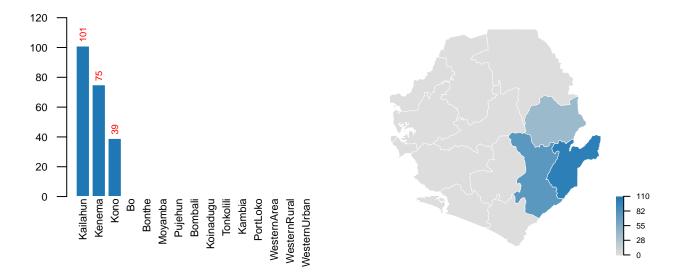




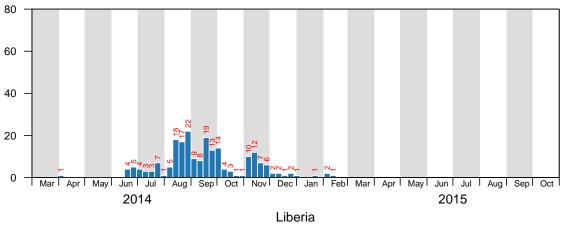
2.4 Eastern Sierra Leone

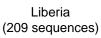


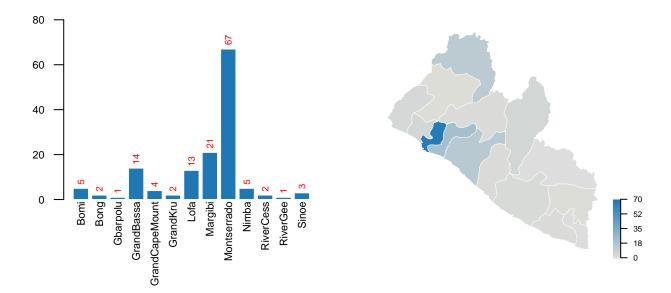




2.5Liberia

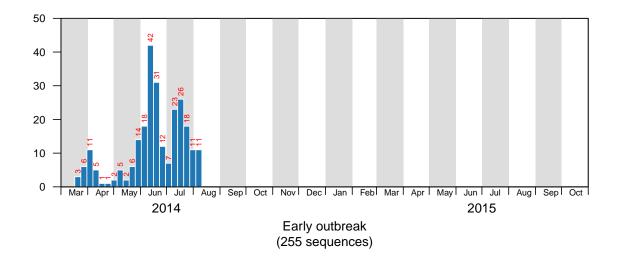


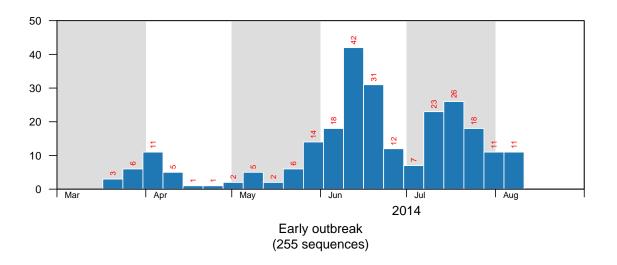


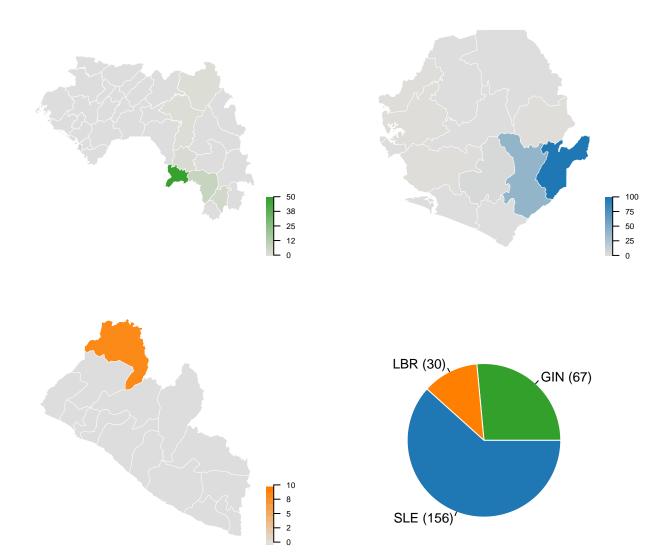


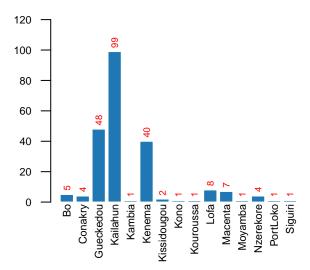
2.6 Early outbreak

All sequences until 8 August (WHO declares public health emergency).



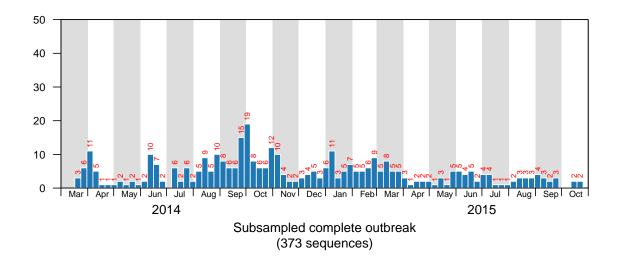


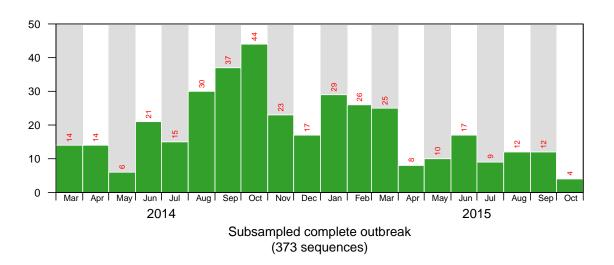


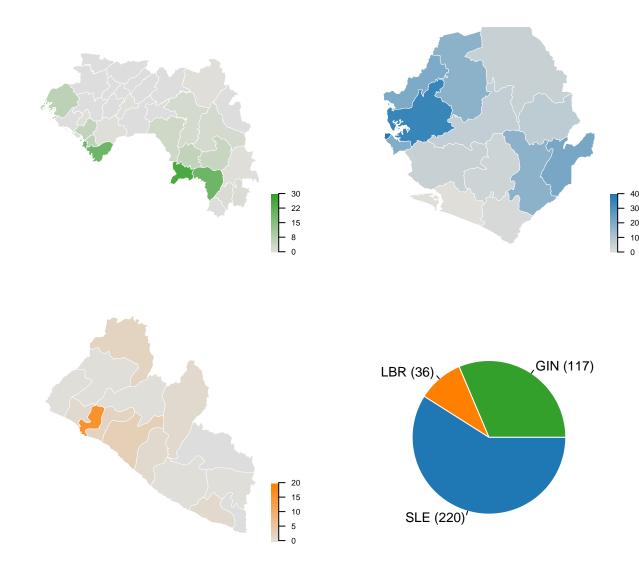


2.7 Subsampled complete outbreak

Complete outbreak subsampled to approximately a quarter of sequences and roughly stratified by month.

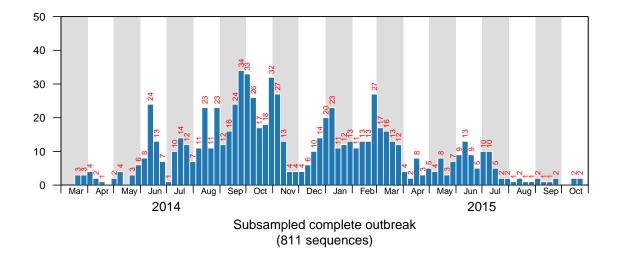


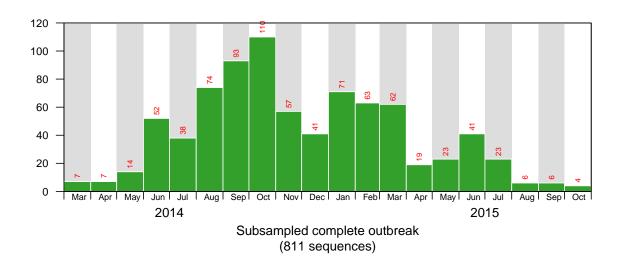


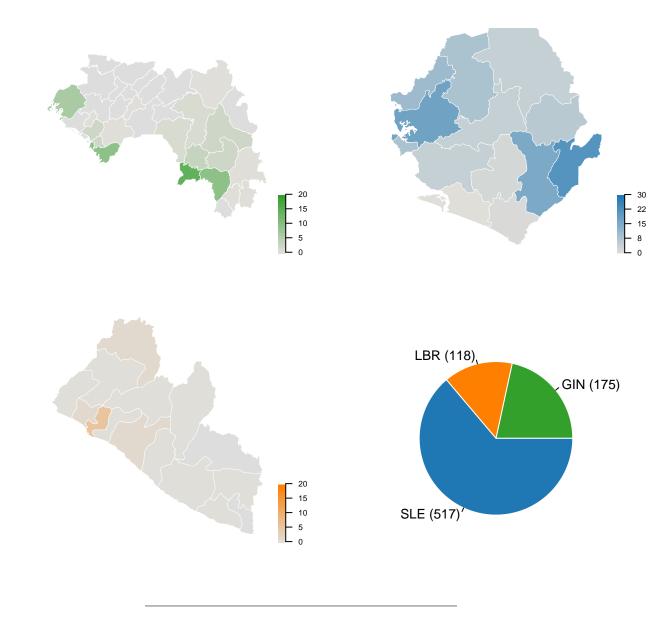


2.8 Subsampled complete outbreak big

Complete outbreak subsampled to approximately half of all sequences and roughly stratified by month.







3 Dataset statistics

Table 1: Dataset statistics

names	sequences	earliest	latest	range
complete	1610	2014-03-17	2015-10-24	586
region-sle-southeast	261	2014 - 05 - 25	2015-03-10	289
region-sle-west	258	2014-08-15	2015-08-06	356
region-sle-east	215	2014 - 05 - 25	2015-03-10	289
country-lbr	209	2014-04-01	2015 - 02 - 14	319
special-early	255	2014-03-17	2014-08-05	141
special-suball	373	2014-03-17	2015 - 10 - 24	586
special-subbig	811	2014-03-17	2015-10-24	586

4 Select sequences from Fasta file

```
# Load Conda environment
source /Users/user/anaconda3/envs/bio/bin/activate bio

# Extract Others
for i in `ls ../results/datasets/*.csv`
do

# Full-length genomes
python ../scripts/selectsequences.py -i ${i} -a ../data/sequence/Data/Makona_1610_genomes_2016-

# Coding sequences
python ../scripts/selectsequences.py -i ${i} -a ../results/datasets/Makona_1610_cds.trimmed.fas

# Noncoding sequences
python ../scripts/selectsequences.py -i ${i} -a ../results/datasets/Makona_1610_ig.trimmed.fas
done
```