Viral Beacon Extended metadata on sample and variants

1 Metadata tables

To facilitate user to explore data: //

1.1 Sample metadata

Expand Sample Matadata table to include/ do database query on the fly?:

- number of variants per sample (to allow user to filter/select those samples with so many co-existing variants)

- number of SNV/ INDEL

- number of nonsynonymous/ synonymous variants per sample

- number of aminoacid changes per sample

1.2 Variant Metadata

Expand Variant Matadata table to include/ do database query on the fly?:

- number of samples harboring the variant (population freq) (to allow user to filter/select those variants with a certain prevalence)

- number by country, month

- Slope of lm of variant change in population freq over time

- AF mean +- SD of variant

- by country, month -boxplot

- Slope of lm of variant change in AF over time