Influenza Group Sequencing Report

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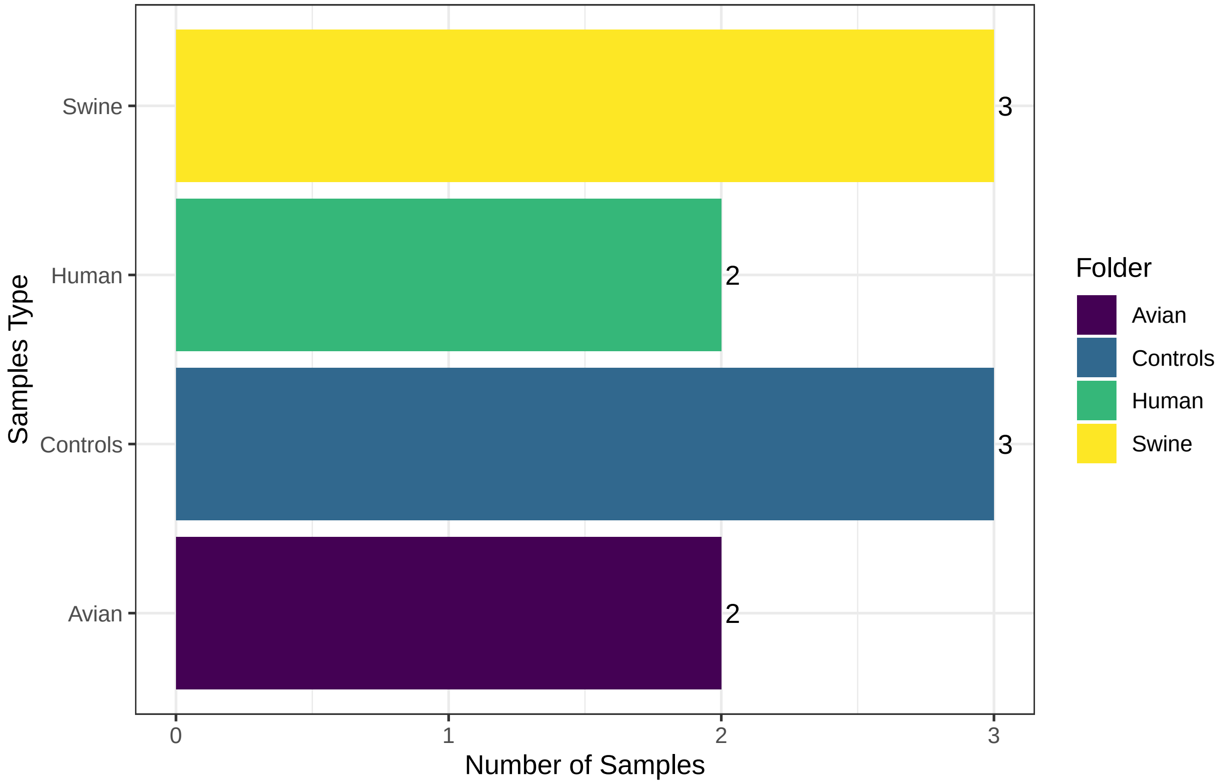
Run NGS_test_reporting

Overall run

In this run we sequenced in total 10 samples.

Figure 1: Type and Number of Samples



- **Need to re-run: No**
- **Contamination: No**

Controls

We had 3 controls.

Note:The controls that positive for influenza are: C-Control2, C-Control3

Human samples

There are 2 human samples in this run.

Type	Number
Influenza A	2
Influenza B	0

Human subtypes identified in the run:

Subtype	Number
A/H1N1	1
A/H3N2	1
B/Victoria	0

Figure 2: Human Samples

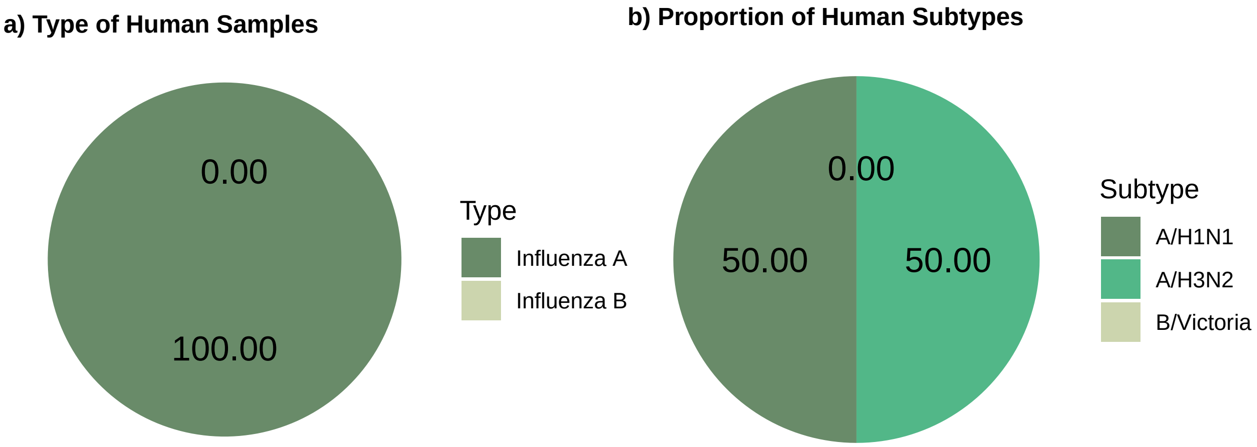
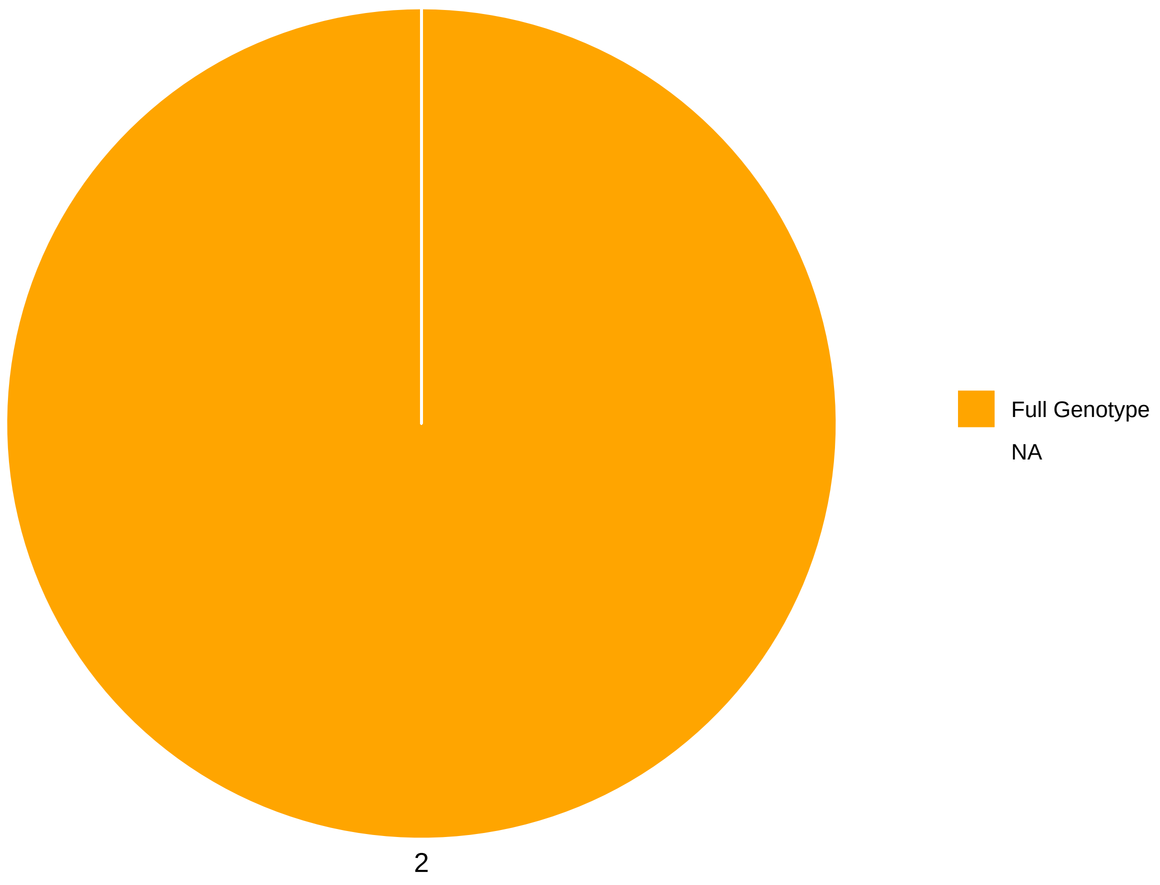


Figure 3: The success rate of the human samples.



List of samples with **complete genotype**:

Sample	Full Genotype
IA-Human1	H3N2
IA-Human2	H1N1

List of samples with **partial genotype**:

```
No partial genotypes
```

List of samples with **partial and indeterminate genotype**:

```
No indeterminate genotypes
```

List of samples with **new genotype**:

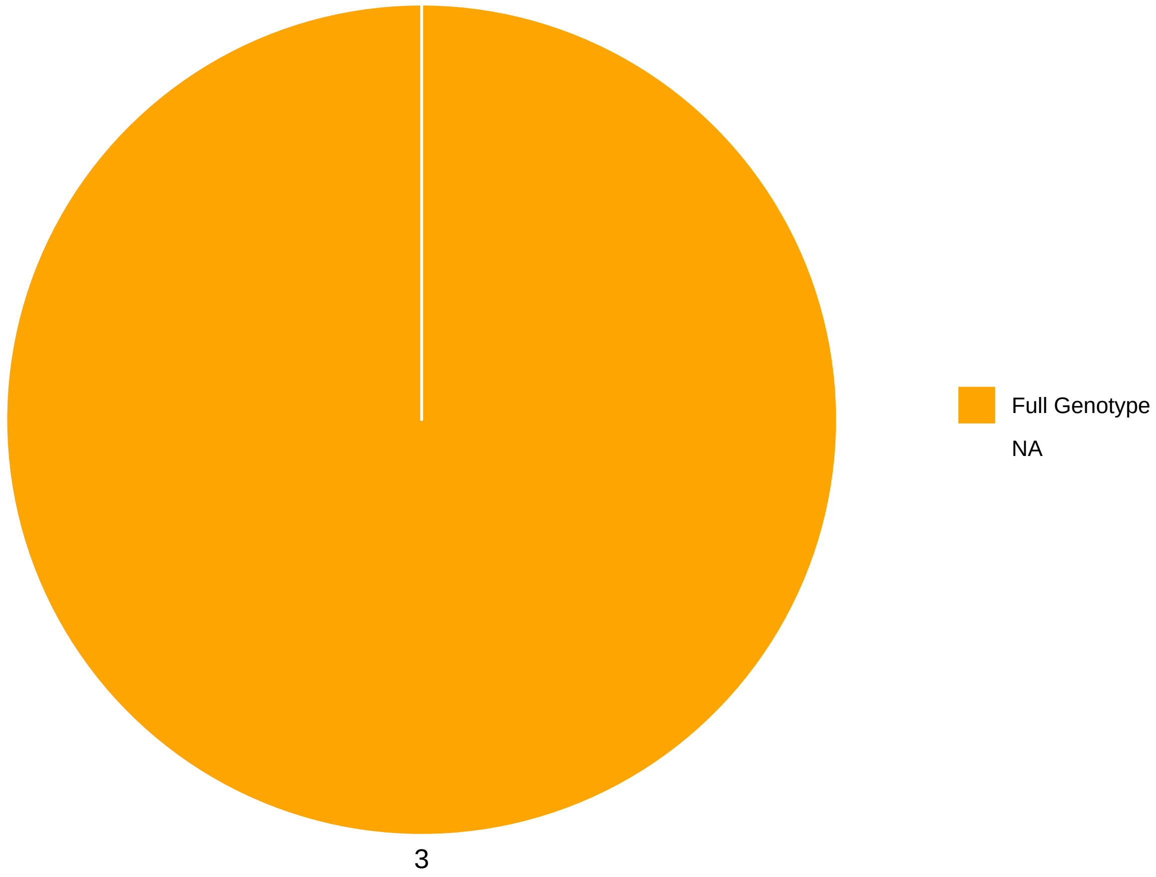
```
No new genotypes
```

There are no failed samples.

Swine samples

There are 3 swine samples in this run.

Figure 4: The success rate of the swine samples.



List of samples with **complete genotypes**:

Sample	Full Genotype
SI-Swine1	H1avN2sw-5
SI-Swine2	H1pdmN1av-2
SI-Swine3	H1pdmN1av-2

List of samples with **partial genotype**:

```
No partial genotypes
```

List of samples with **partial and indeterminate genotype**:

```
No indeterminate genotypes
```

List of samples with **new genotype**:

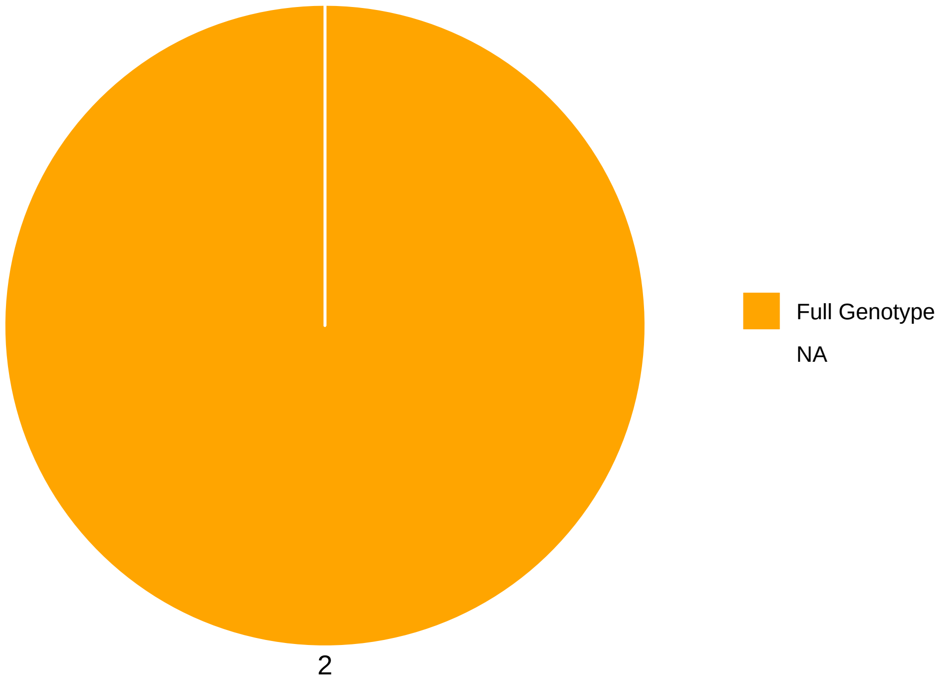
```
No new genotypes
```

There are no failed samples.

Avian samples

There are 2 avian samples in this run.

Figure 5: The success rate of the avian samples.



List of samples with **HA and NA genotyped**:

Sample	Full Genotype
AI-Avian1	H5N1
AI-Avian2	H5N1

List of samples with **partial and indeterminate subtypes**:

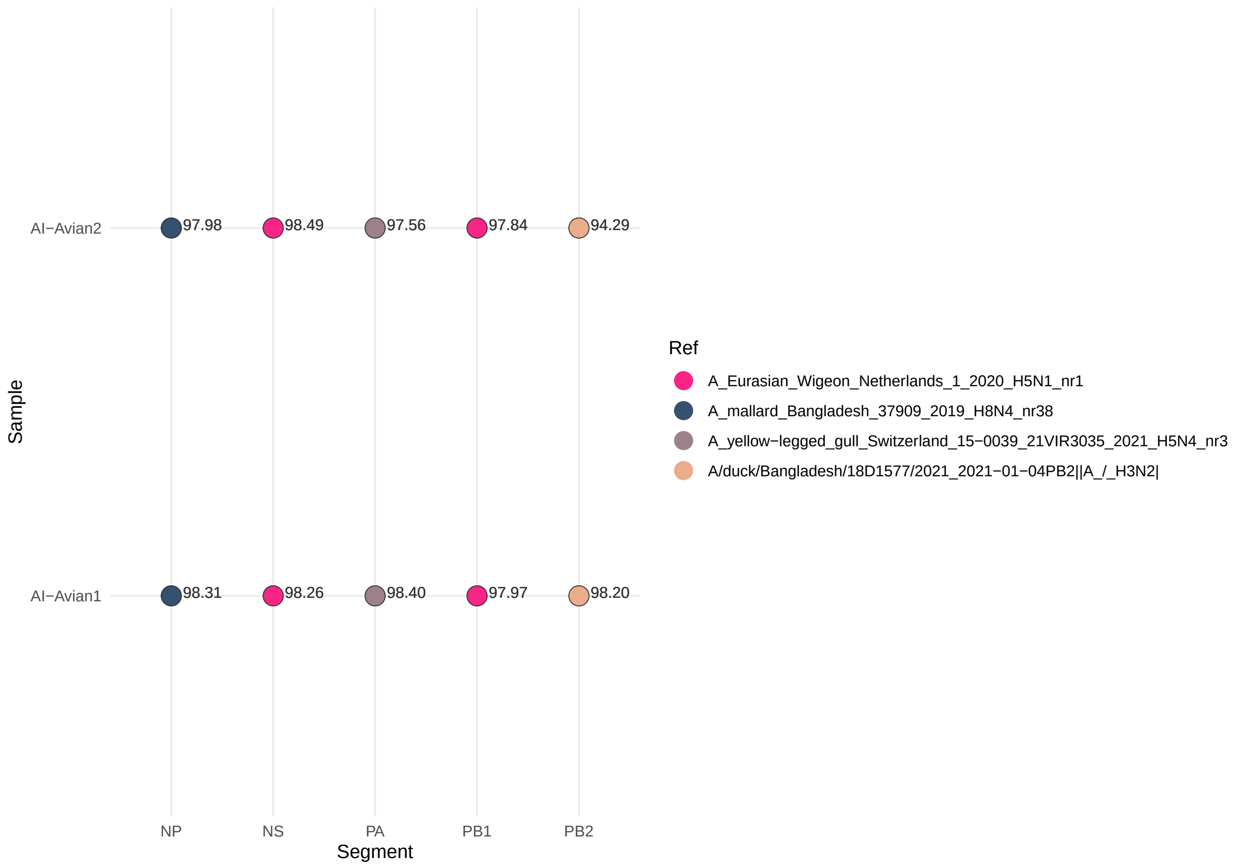
```
No indeterminate subtypes
```

List of samples with **new genotype**:

```
No new genotypes
```

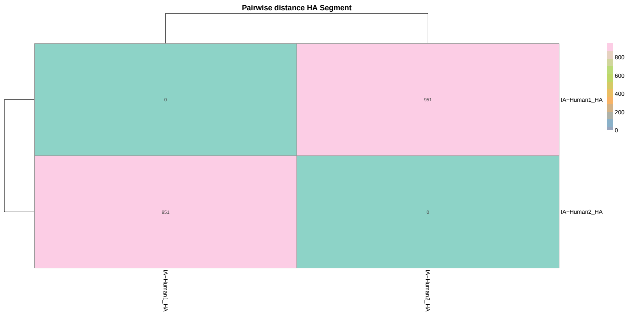
There are no failed samples.

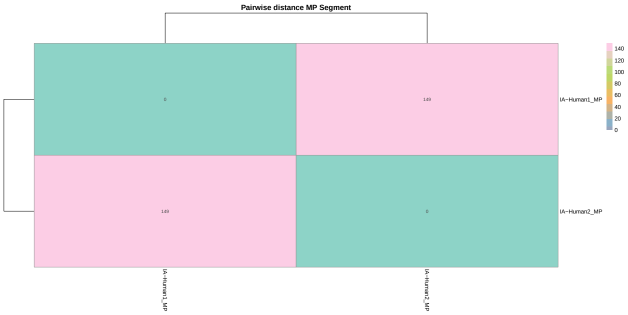
Avian Genotypes - Internal segments

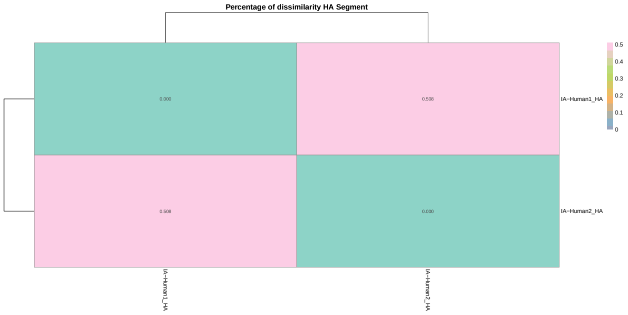


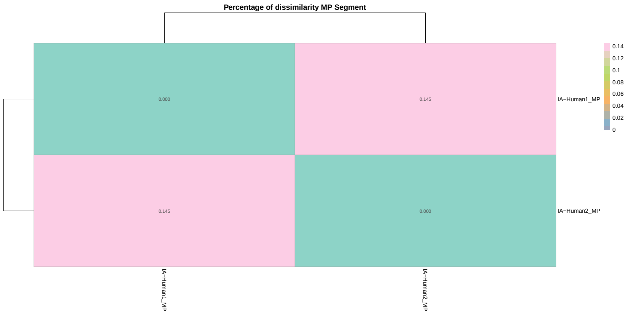
Pairwise distance plots

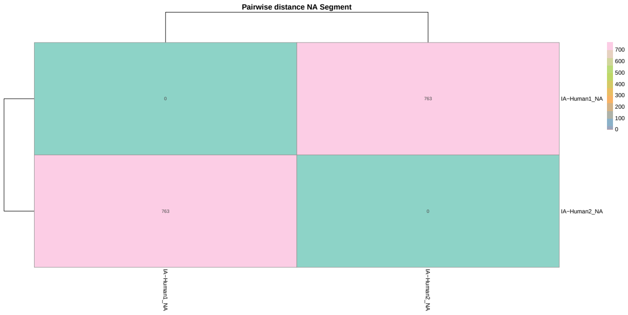
Human plots

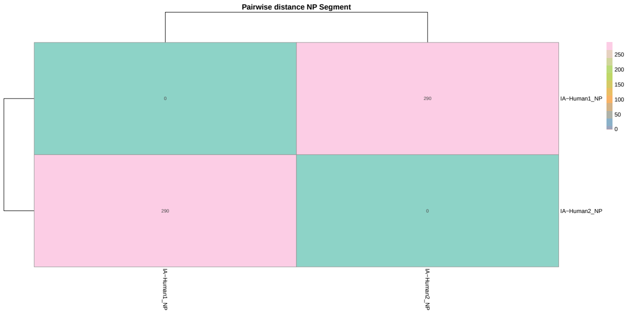

Pairwise distance HA Segment

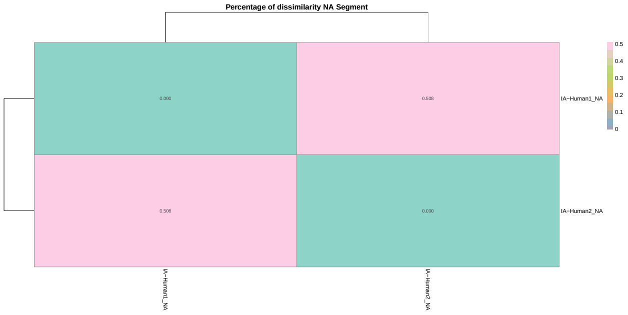

Pairwise distance MP Segment

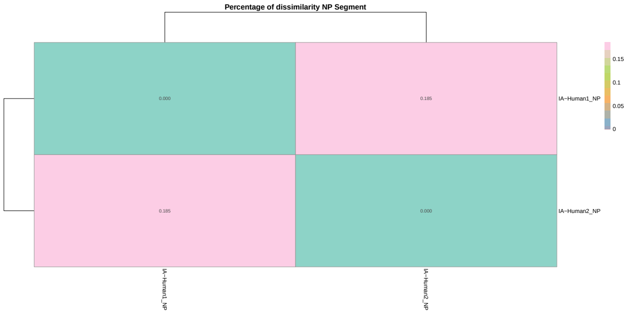

Percentage of dissimilarity HA Segment

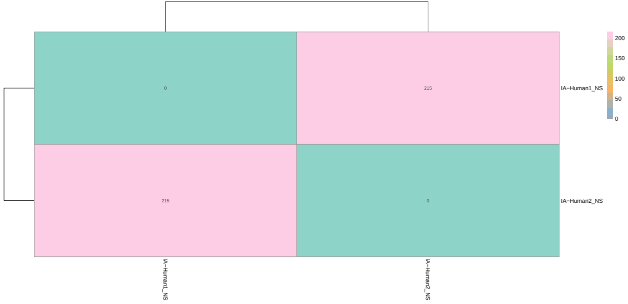

Percentage of dissimilarity MP Segment


Pairwise distance NA Segment

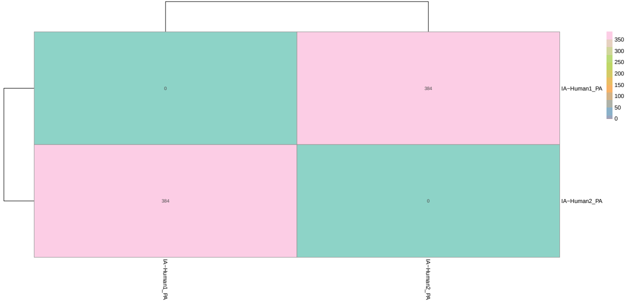

Pairwise distance NP Segment


Percentage of dissimilarity NA Segment

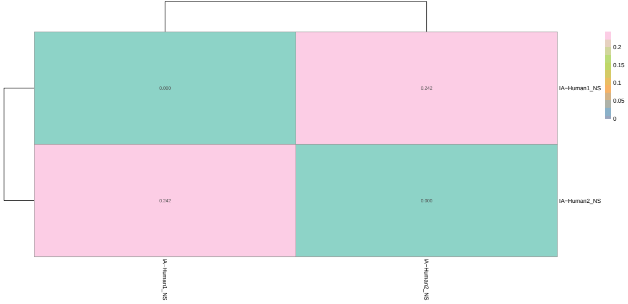

Percentage of dissimilarity NP Segment



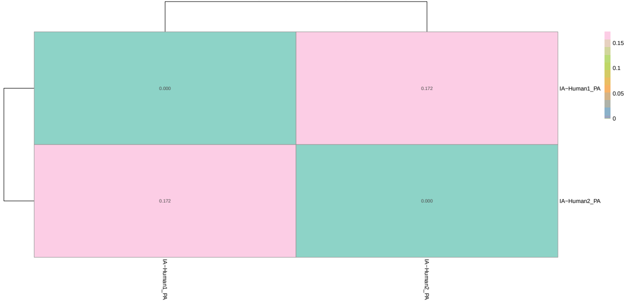
Pairwise distance NS Segment



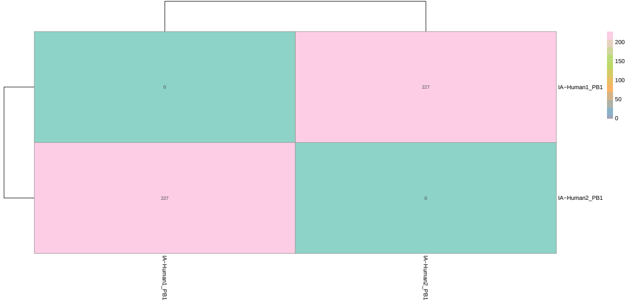
Pairwise distance PA Segment



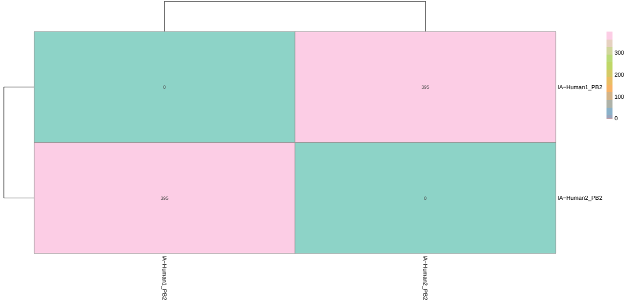
Percentage of dissimilarity NS Segment



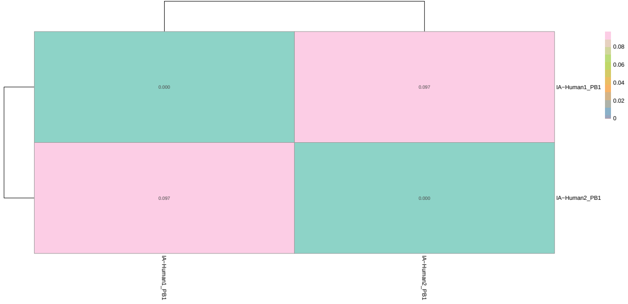
Percentage of dissimilarity PA Segment



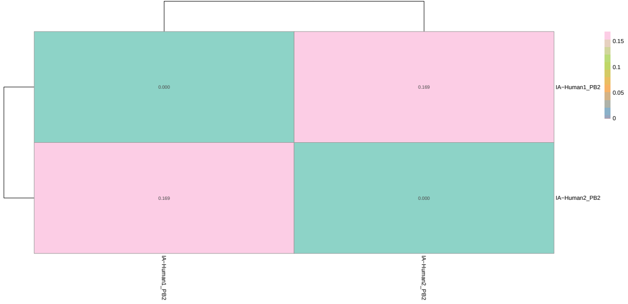
Pairwise distance PB1 Segment



Pairwise distance PB2 Segment

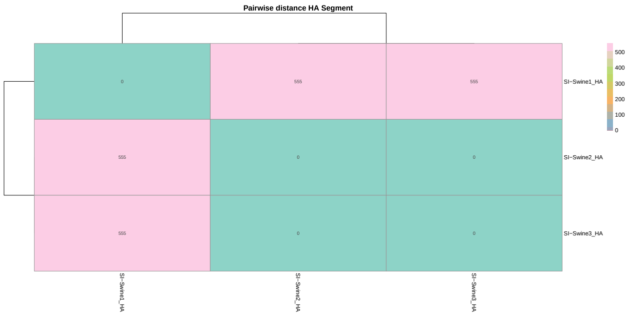


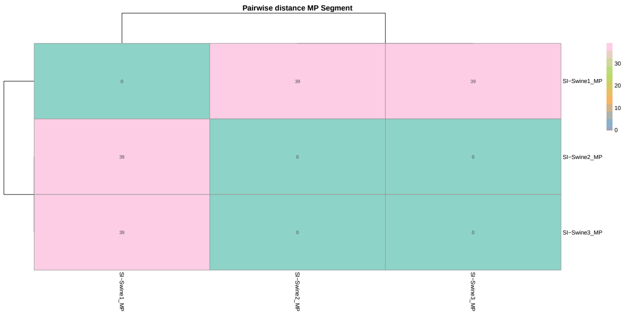
Percentage of dissimilarity PB1 Segment

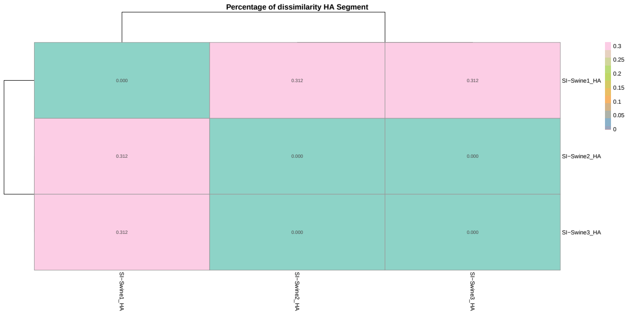


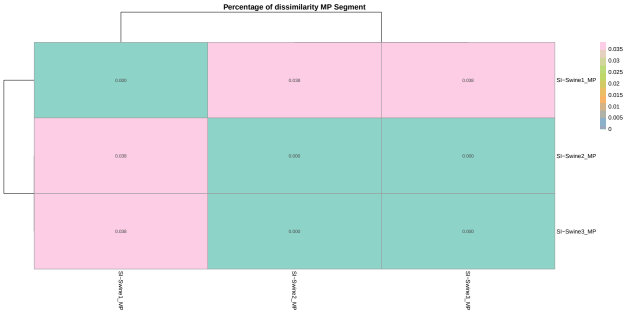
Percentage of dissimilarity PB2 Segment

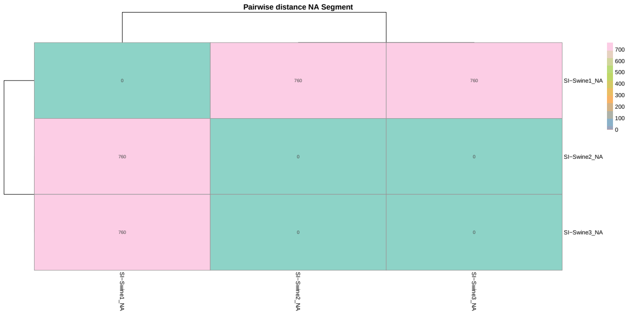
Swine plots

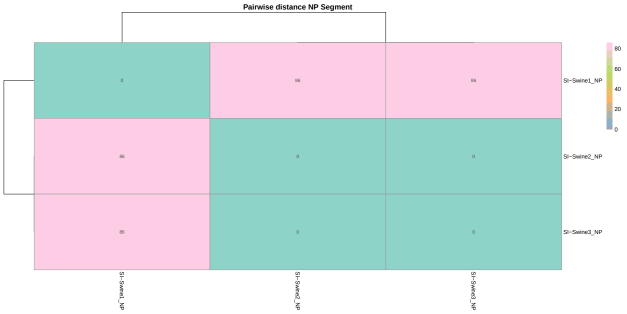

Pairwise distance HA Segment

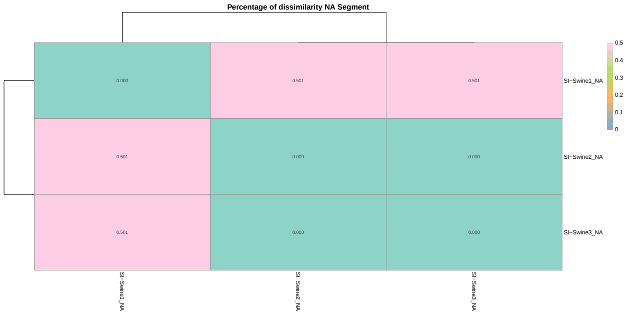

Pairwise distance MP Segment

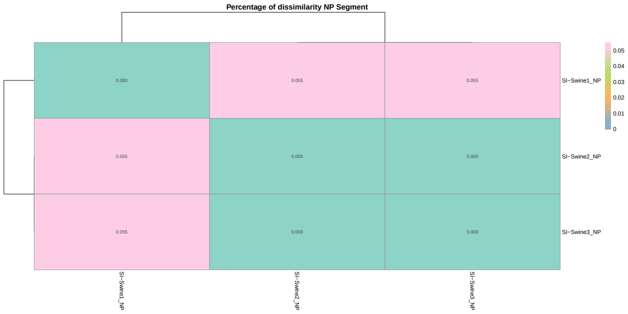

Percentage of dissimilarity HA Segment


Percentage of dissimilarity MP Segment

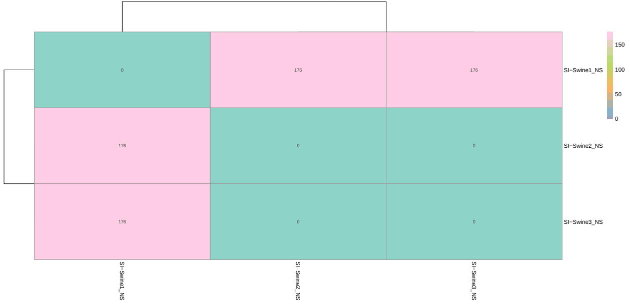

Pairwise distance NA Segment


Pairwise distance NP Segment

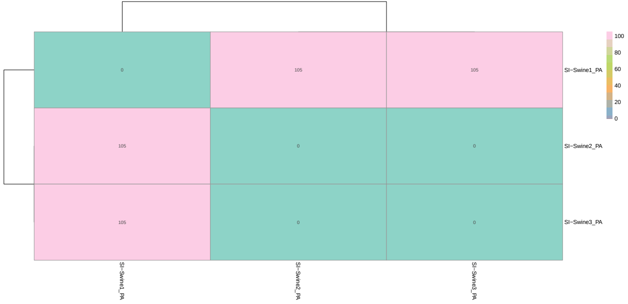

Percentage of dissimilarity NA Segment


Percentage of dissimilarity NP Segment

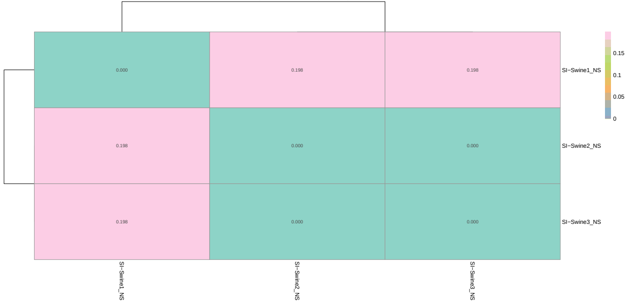
Pairwise distance NS Segment



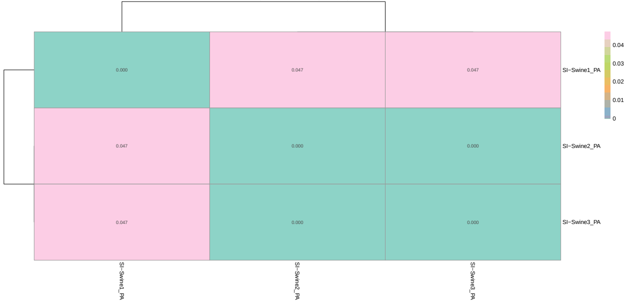
Pairwise distance PA Segment



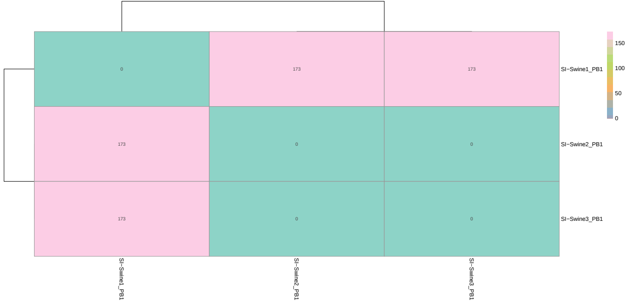
Percentage of dissimilarity NS Segment



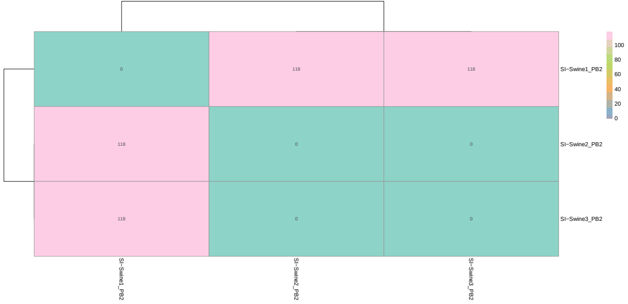
Percentage of dissimilarity PA Segment



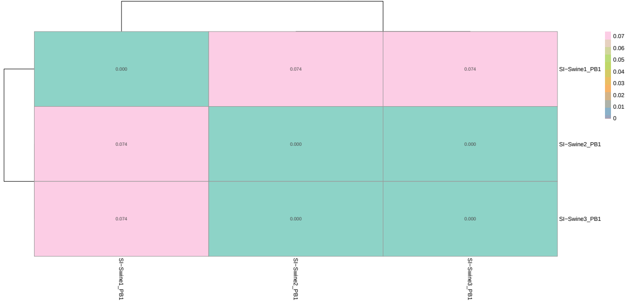
Pairwise distance PB1 Segment



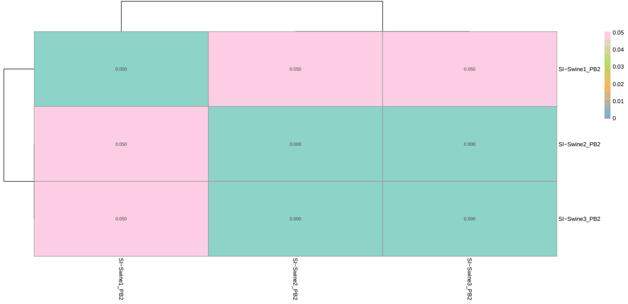
Pairwise distance PB2 Segment



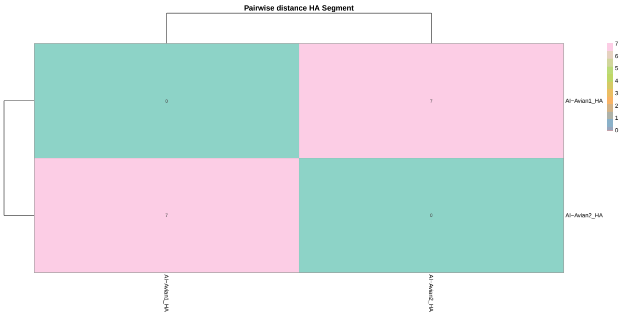
Percentage of dissimilarity PB1 Segment

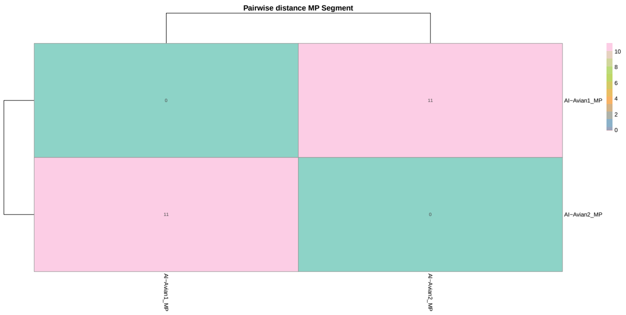


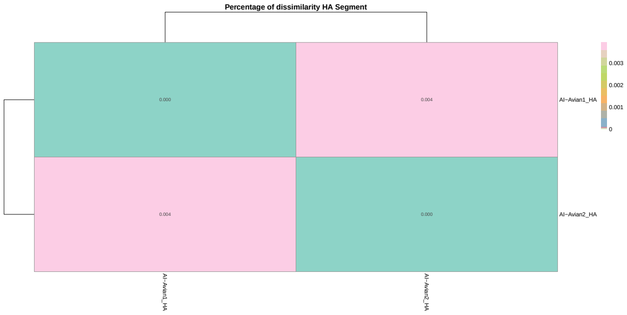
Percentage of dissimilarity PB2 Segment

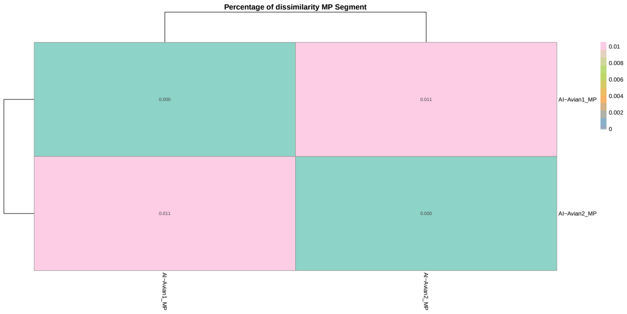


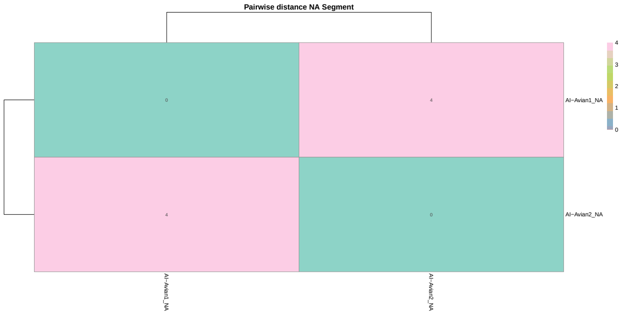
Avian plots

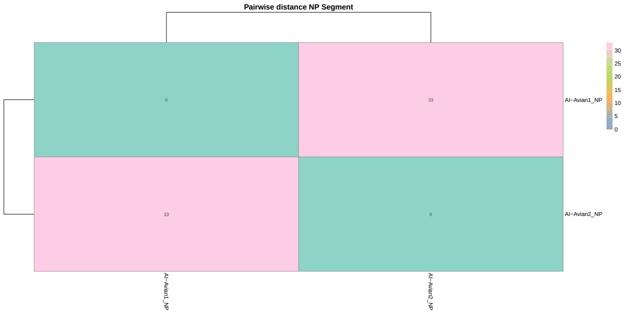

Pairwise distance HA Segment

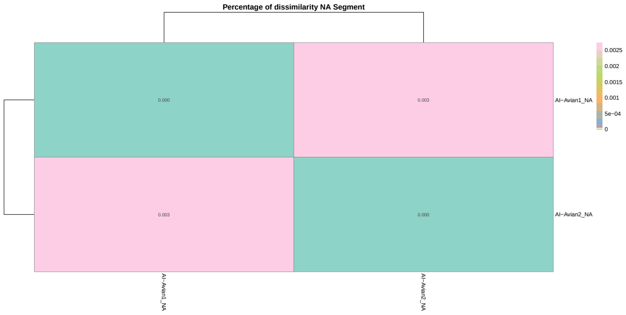

Pairwise distance MP Segment

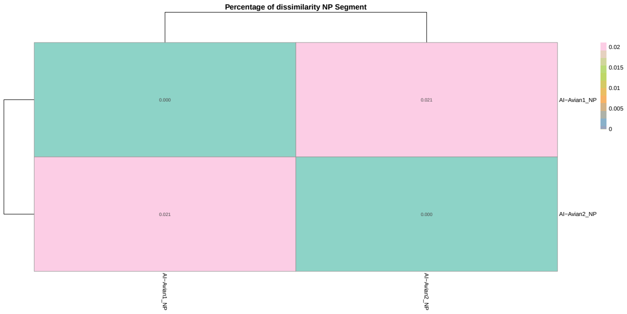

Percentage of dissimilarity HA Segment

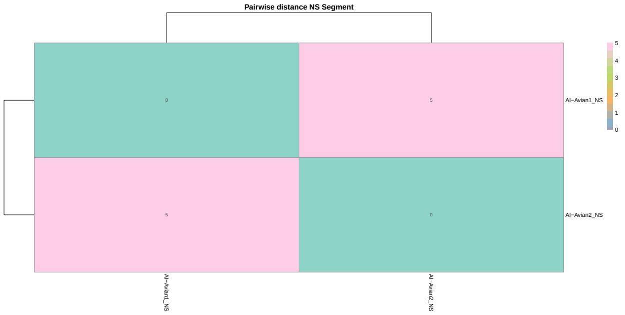

Percentage of dissimilarity MP Segment


Pairwise distance NA Segment

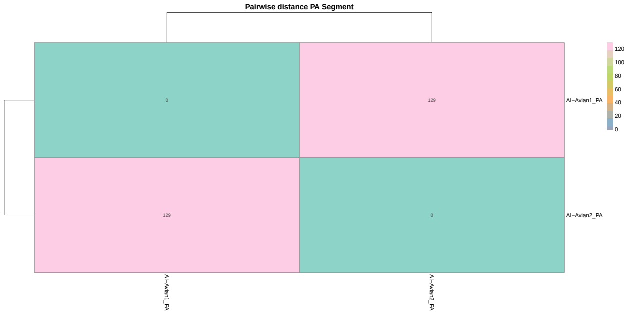

Pairwise distance NP Segment


Percentage of dissimilarity NA Segment

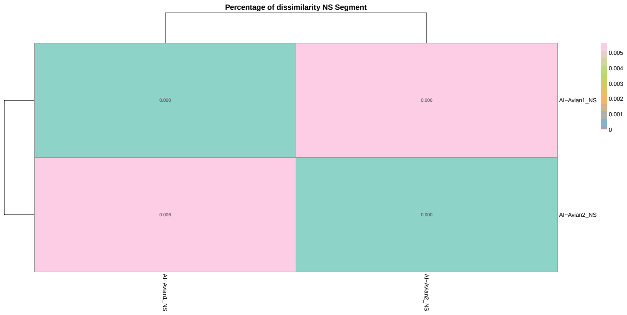

Percentage of dissimilarity NP Segment



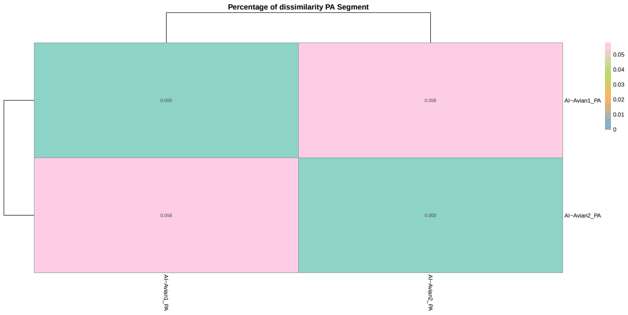
Pairwise distance NS Segment



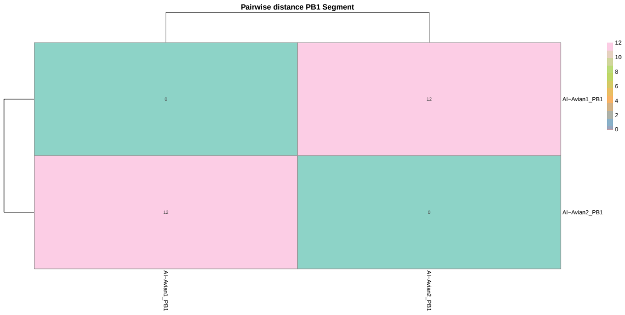
Pairwise distance PA Segment



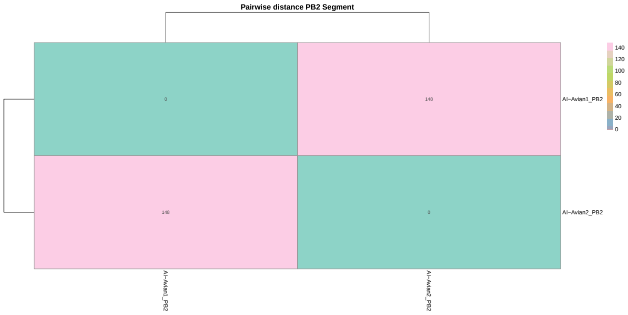
Percentage of dissimilarity NS Segment



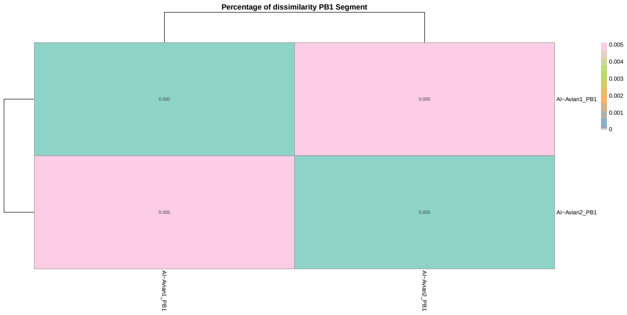
Percentage of dissimilarity PA Segment



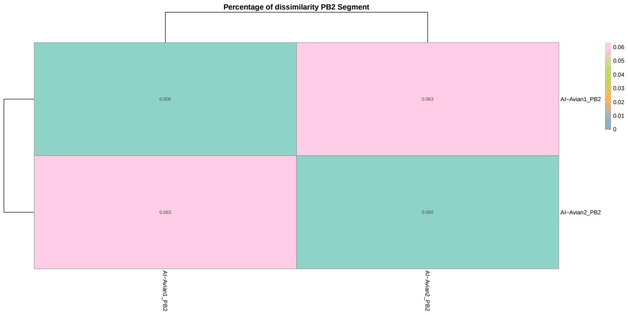
Pairwise distance PB1 Segment



Pairwise distance PB2 Segment



Percentage of dissimilarity PB1 Segment



Percentage of dissimilarity PB2 Segment