Figure S1. Tanglegram of SNP1 and SNP2 partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.
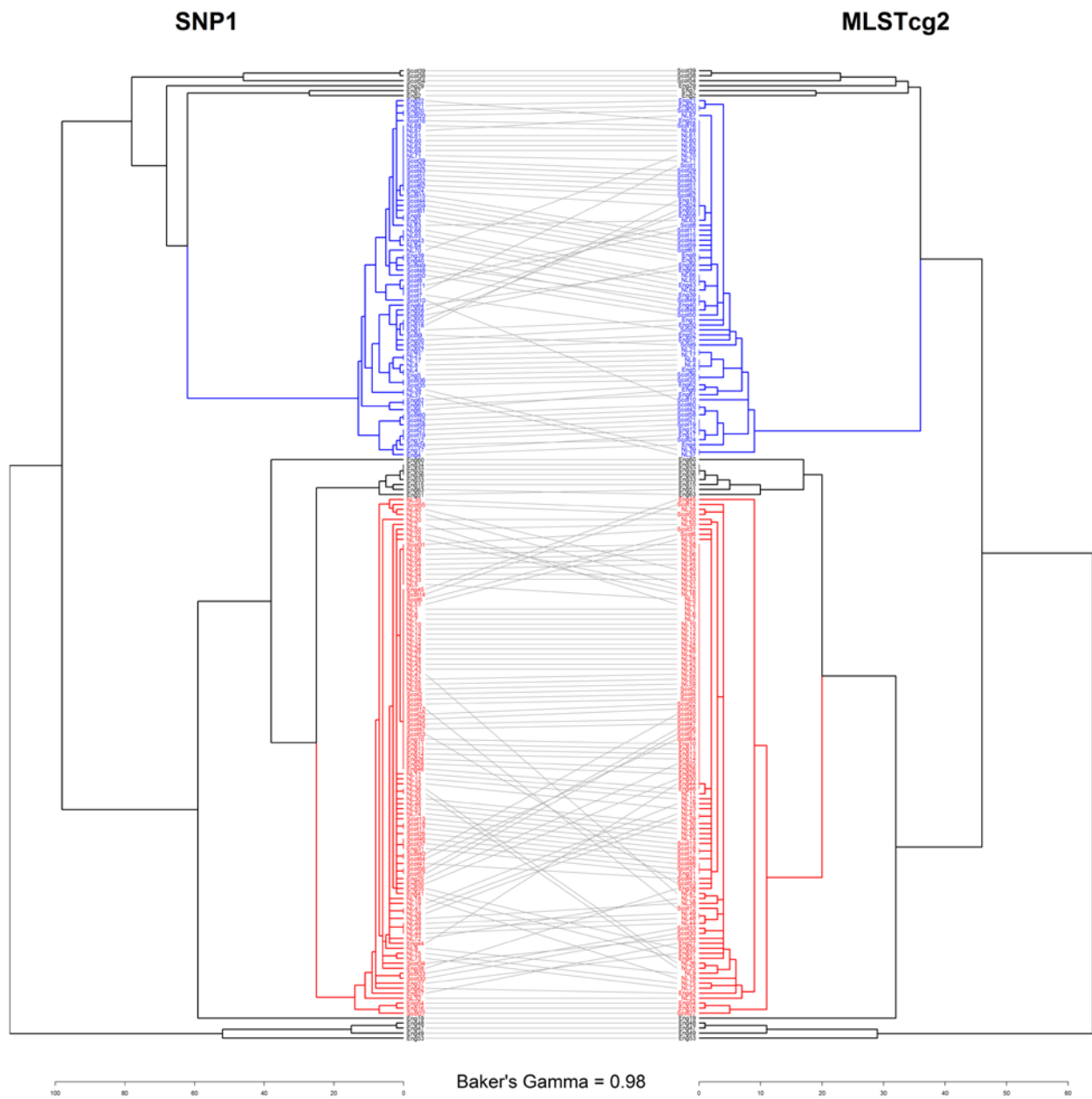
Figure S2. Tanglegram of SNP1 and MLSTcg2 partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.

SNP1   MLSTcg3

Baker's Gamma = 0.99

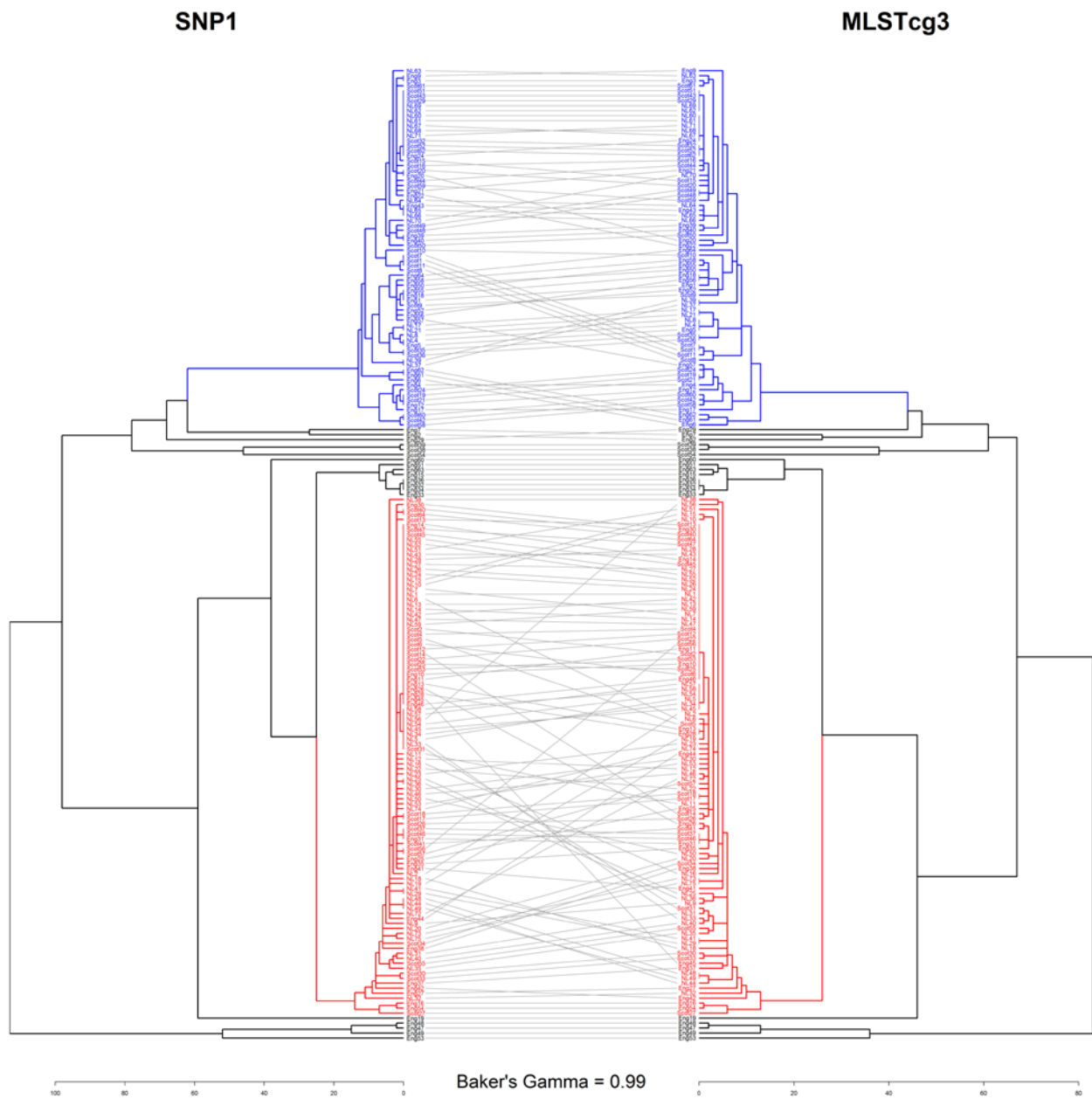100   80   60   40   20   0   0   20   40   60   80

Figure S3. Tanglegram of SNP1 and MLSTcg3 partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.
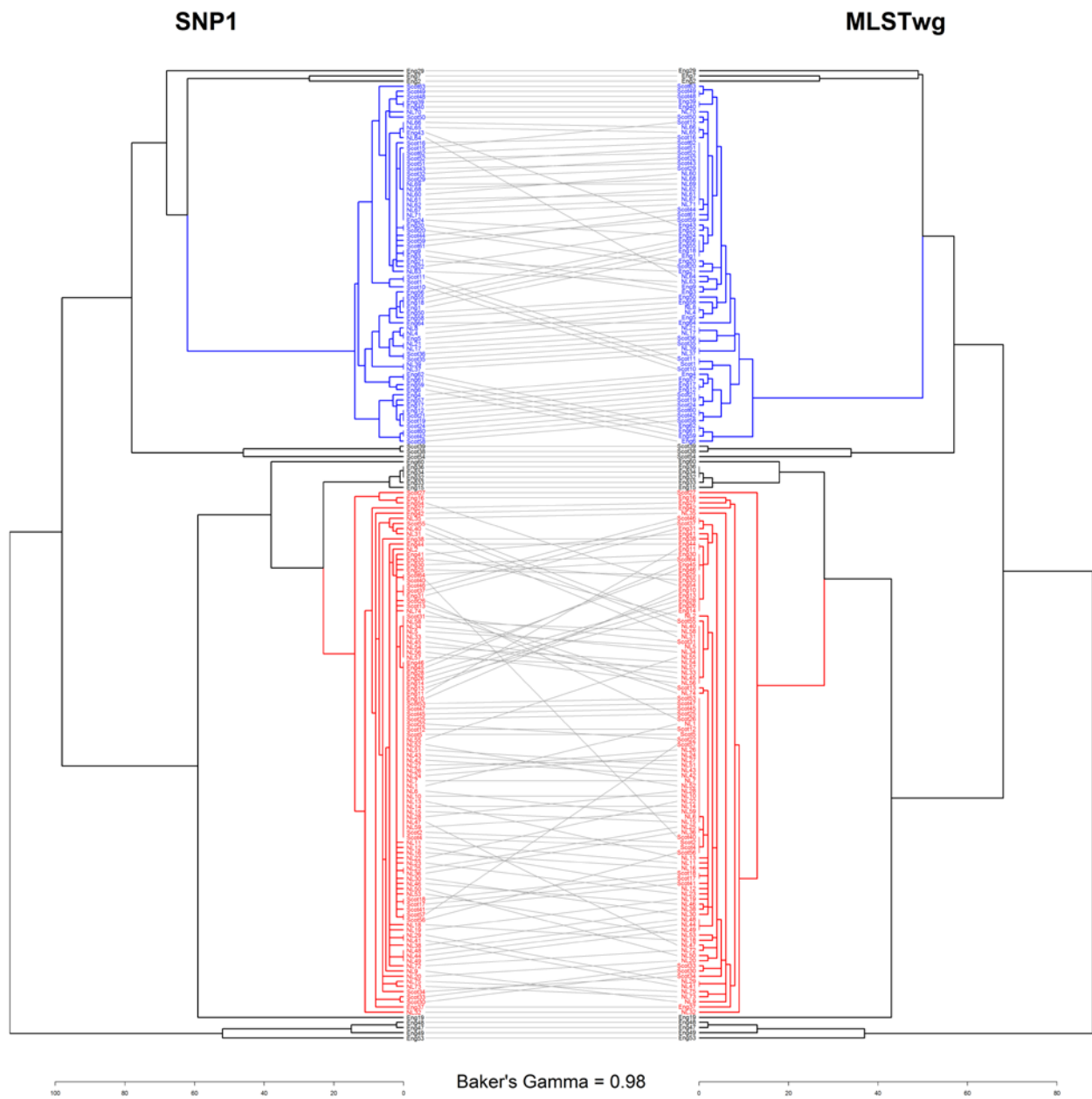
Figure S4. Tanglegram of SNP1 and MLSTwg partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.
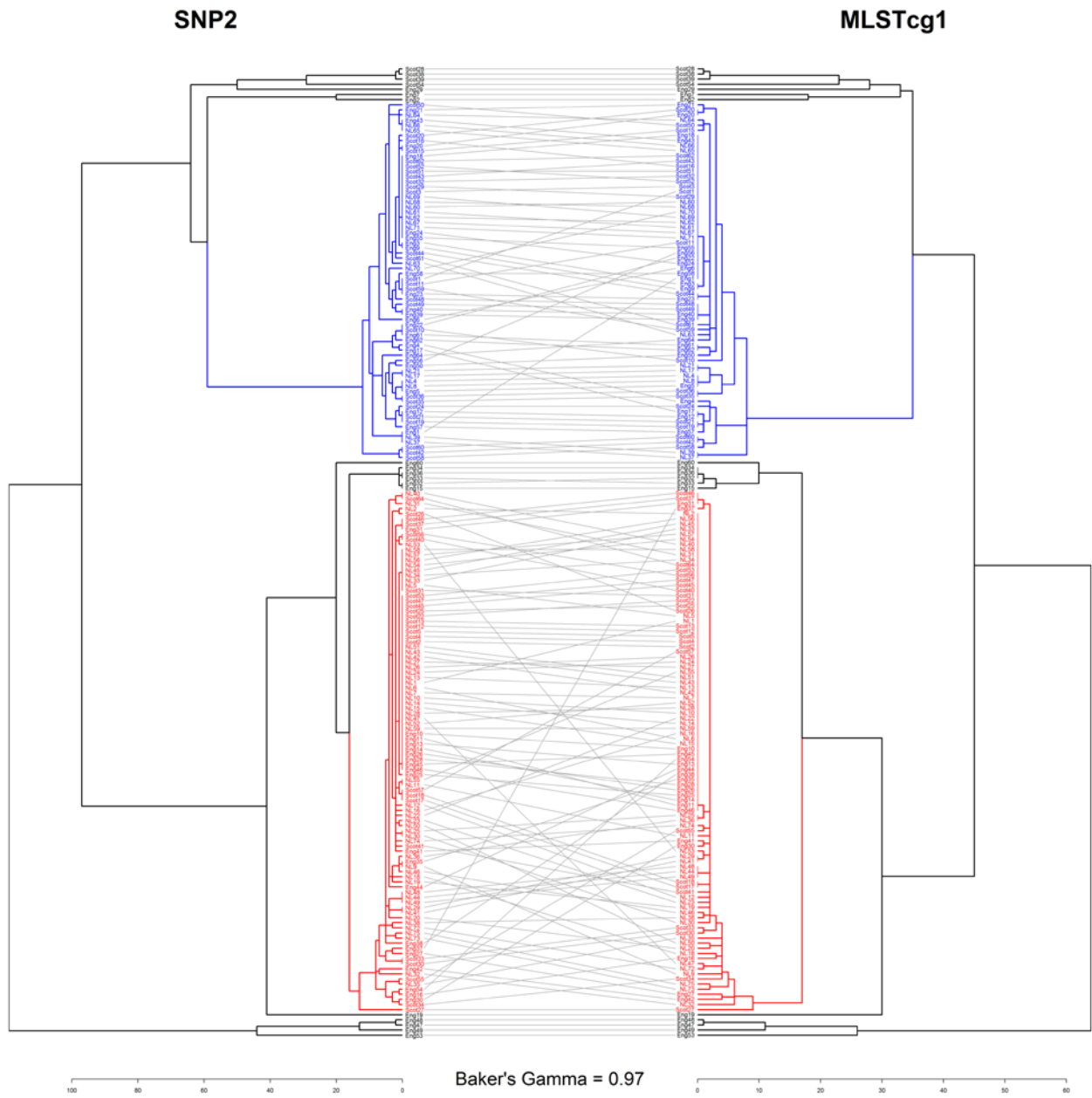
Figure S5. Tanglegram of SNP2 and MLSTcg1 partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.
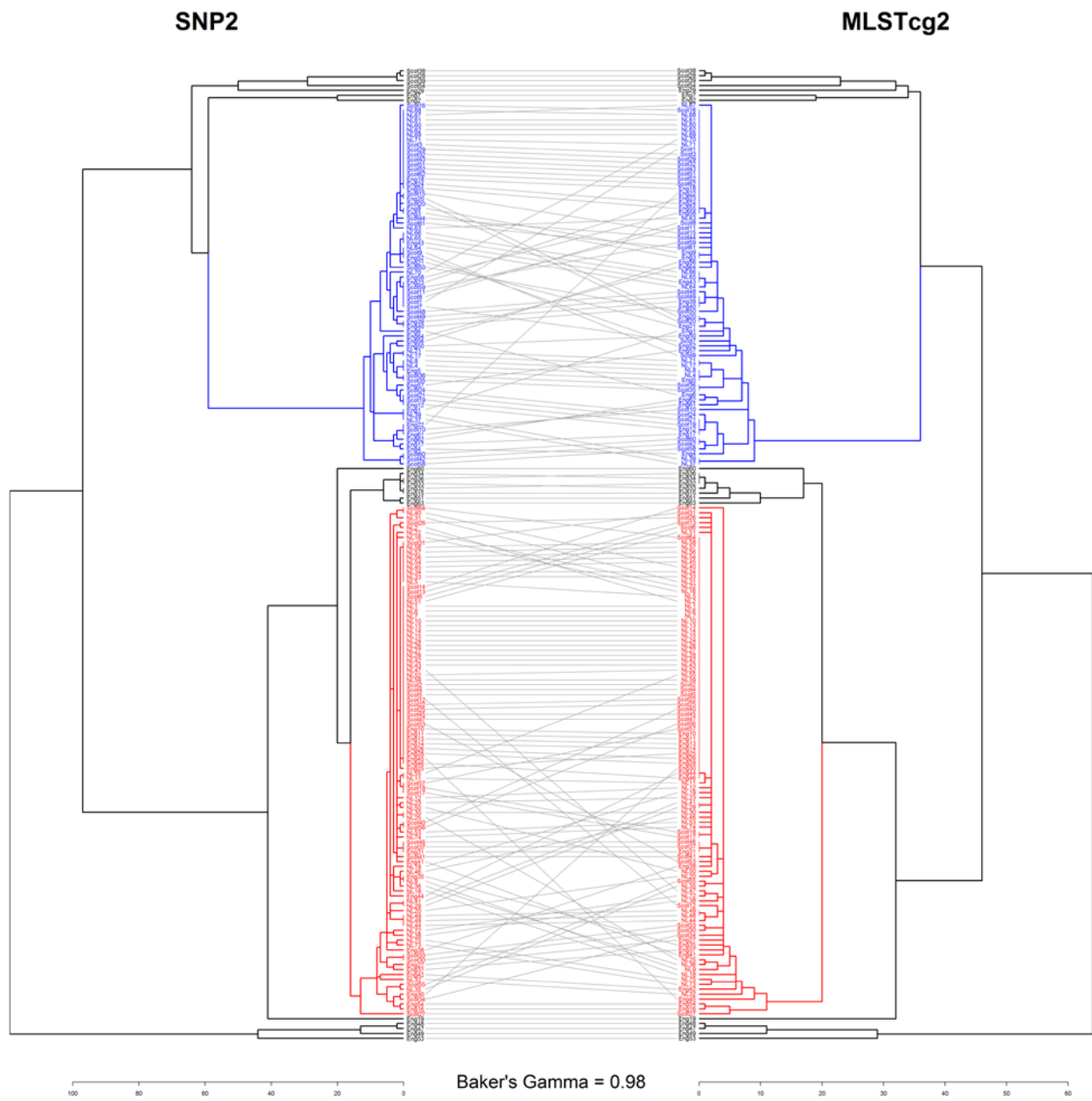
SNP2

MLSTcg2

Baker's Gamma = 0.98

Figure S6. Tanglegram of SNP2and MLSTcg2 partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.

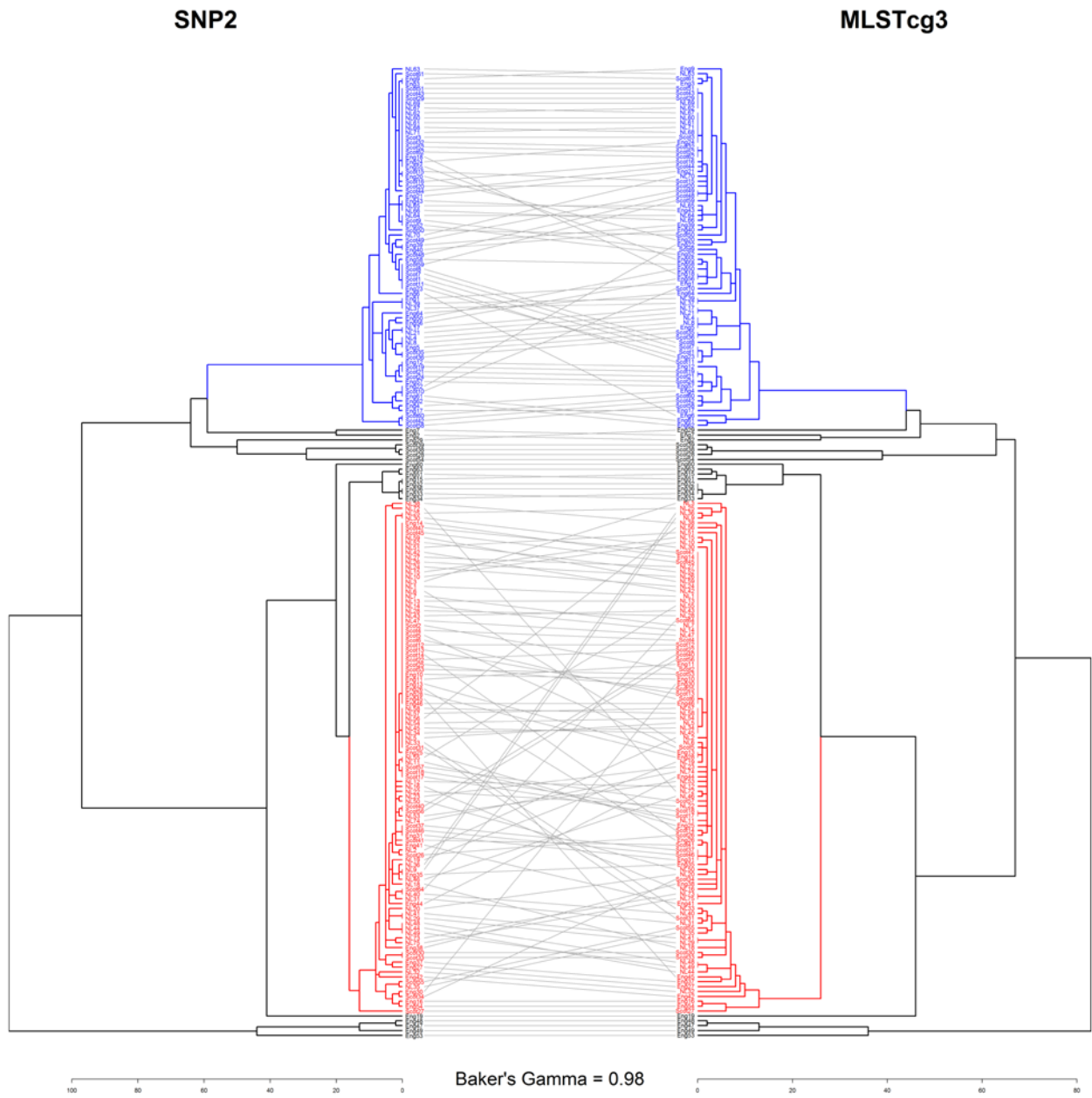**SNP2**   **MLSTcg3**

Baker's Gamma = 0.98

Figure S7. Tanglegram of SNP2 and MLSTcg3 partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.
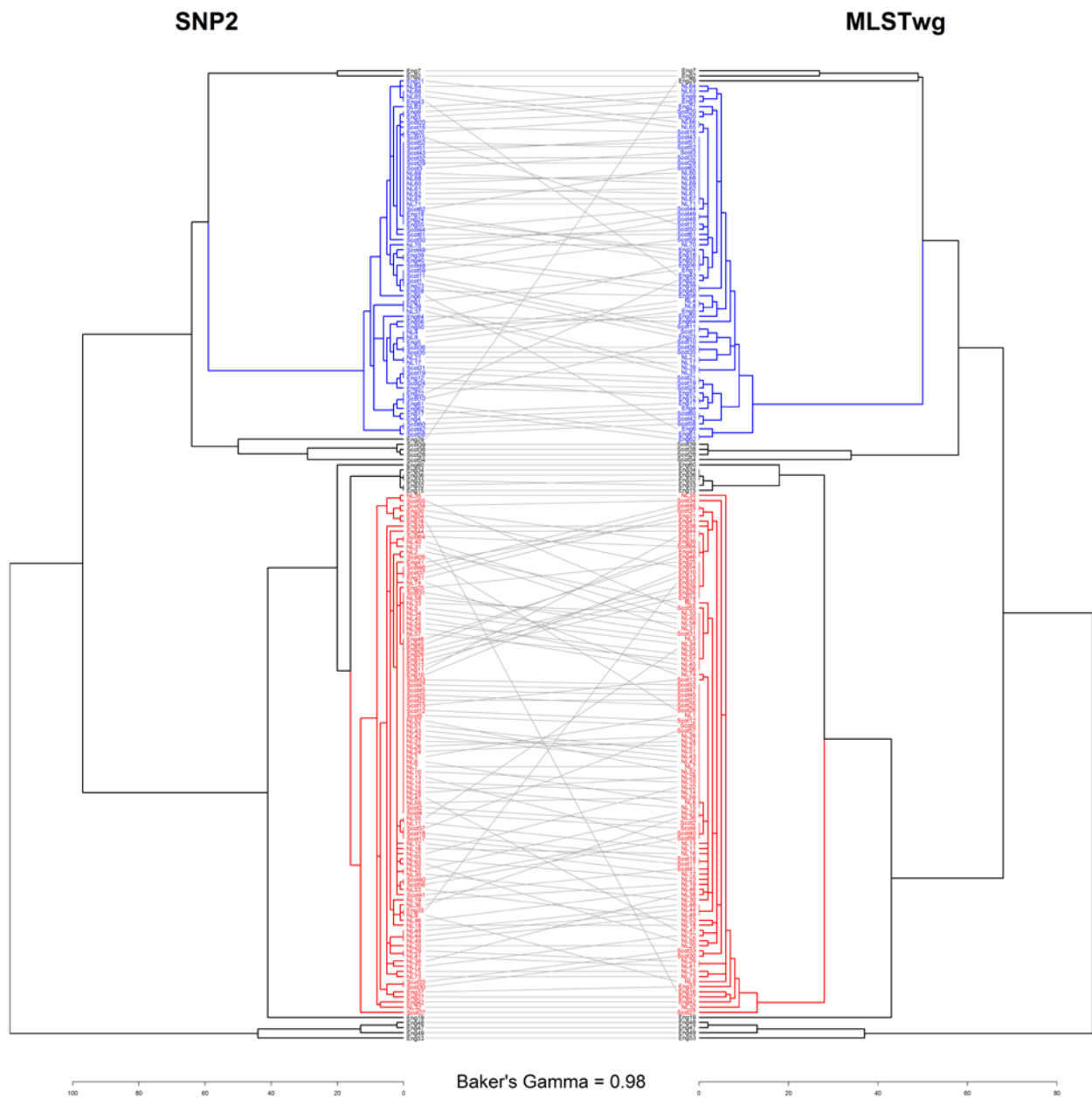
SNP2   MLSTwg

Baker's Gamma = 0.98

Figure S8. Tanglegram of SNP2 and MLSTwg partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.
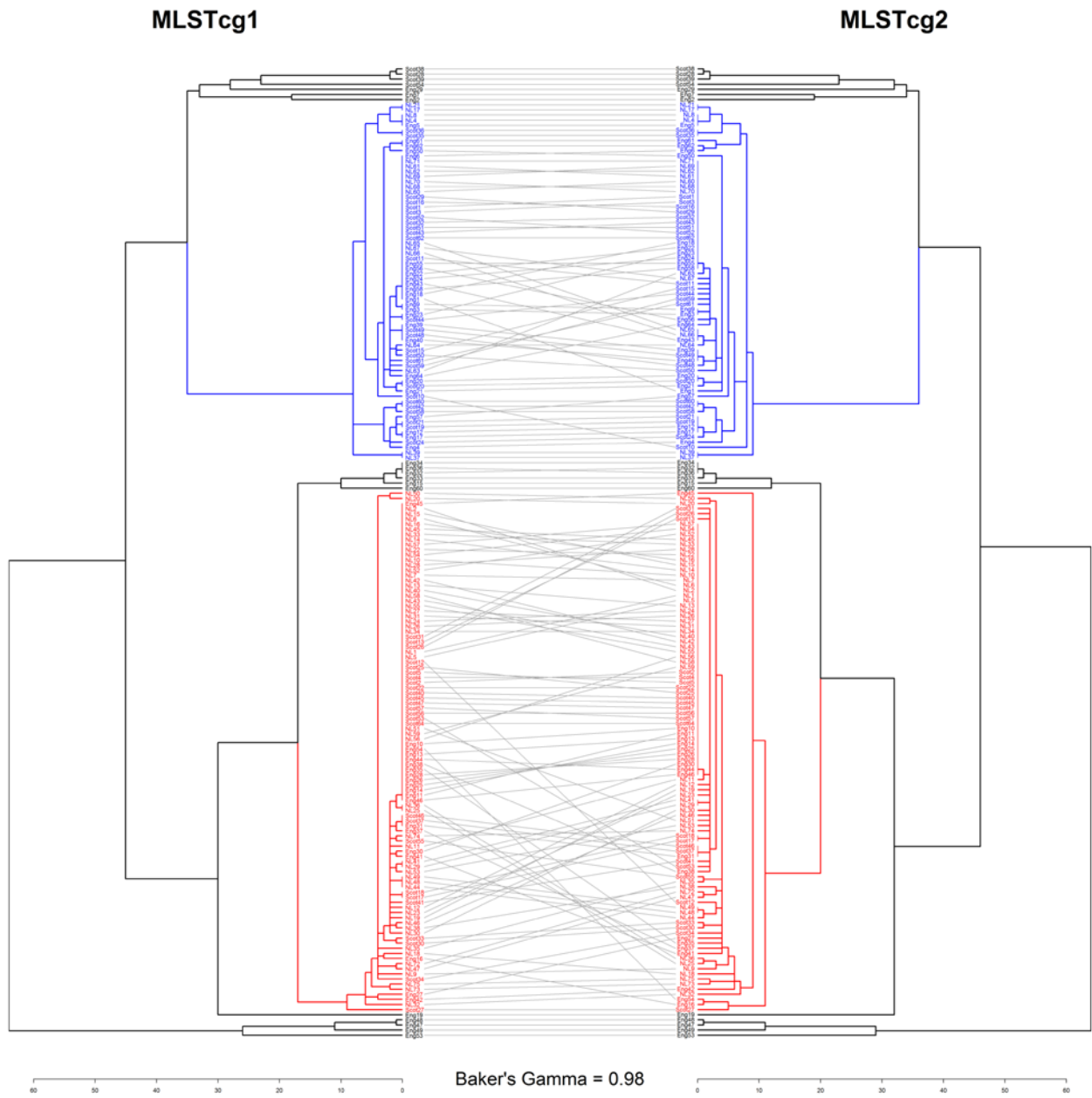
Figure S9. Tanglegram of MLSTcg1 and MLSTcg2 partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.
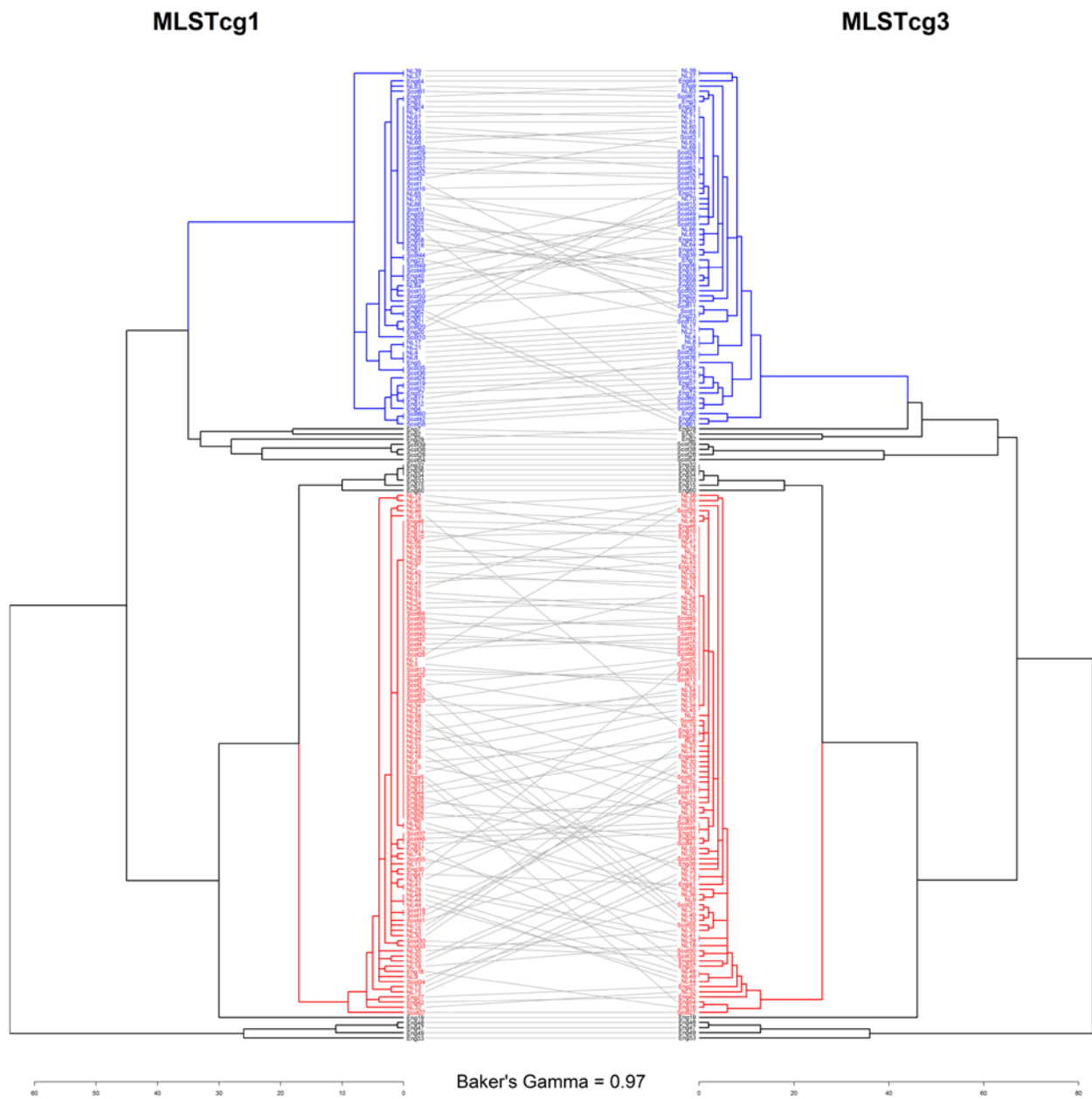
Figure S10. Tanglegram of MLSTcg1 and MLSTcg3 partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.
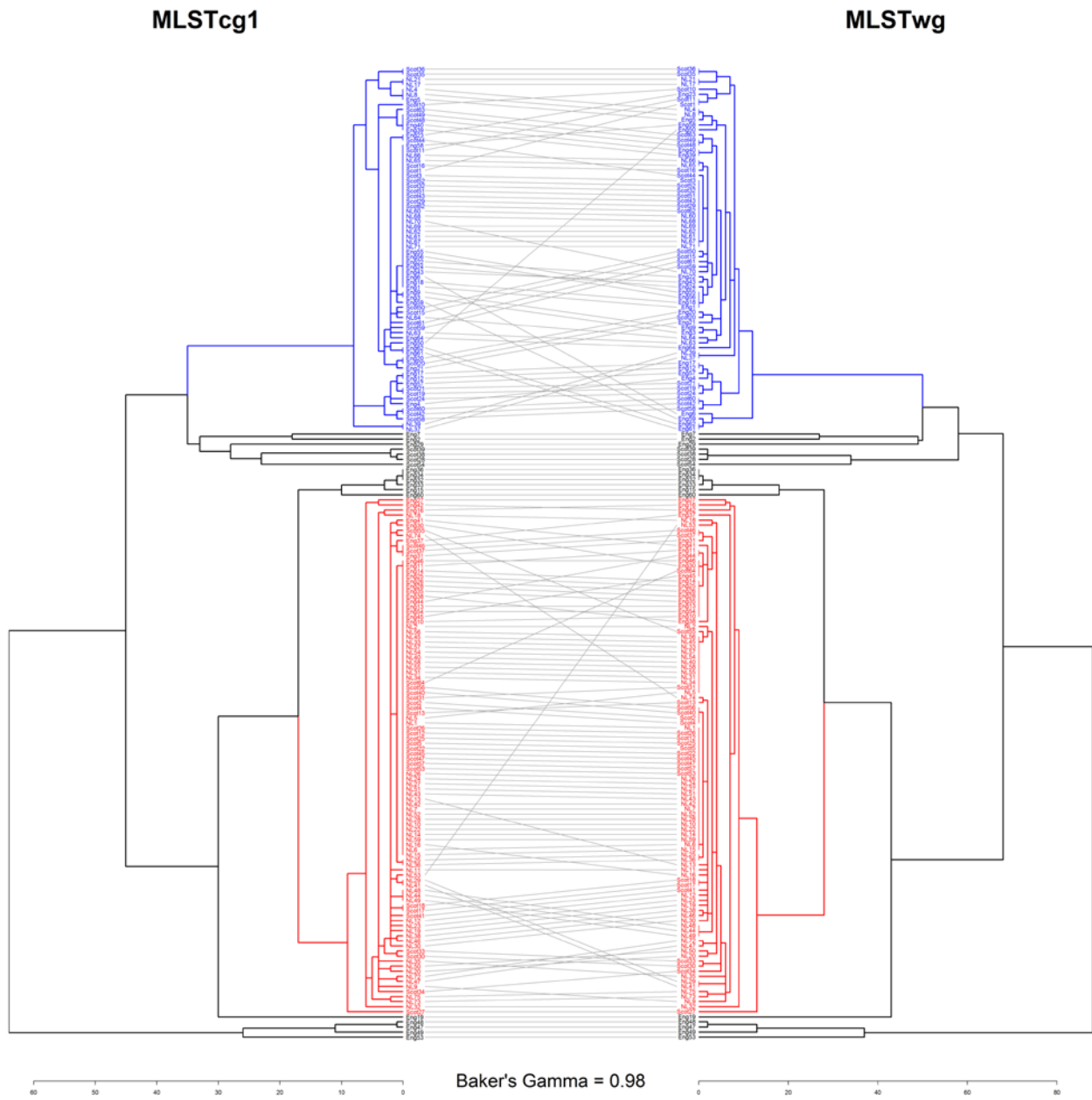
Figure S11. Tanglegram of MLSTcg1 and MLSTwg partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.
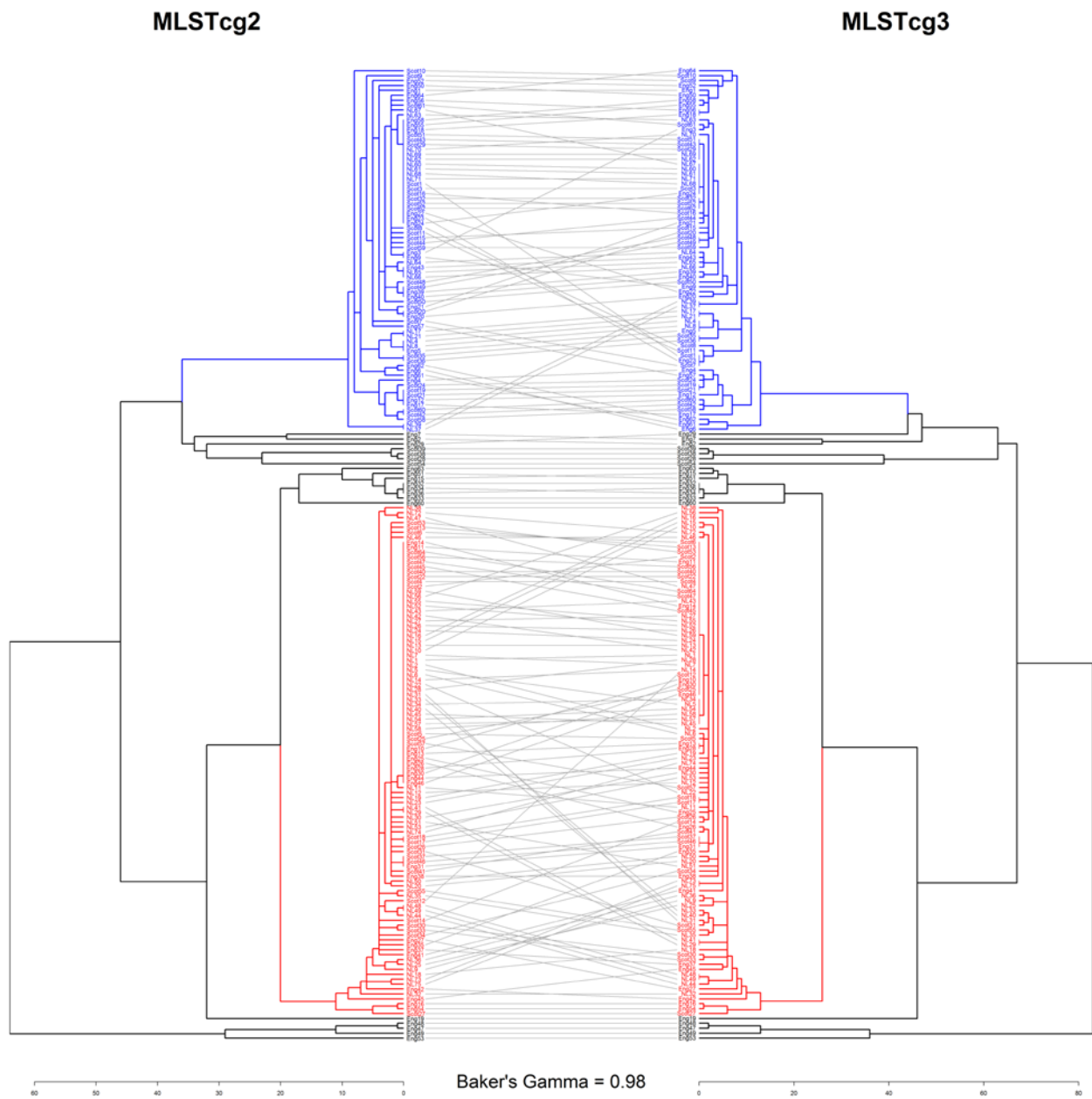
Figure S12. Tanglegram of MLSTcg2 and MLSTcg3 partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.
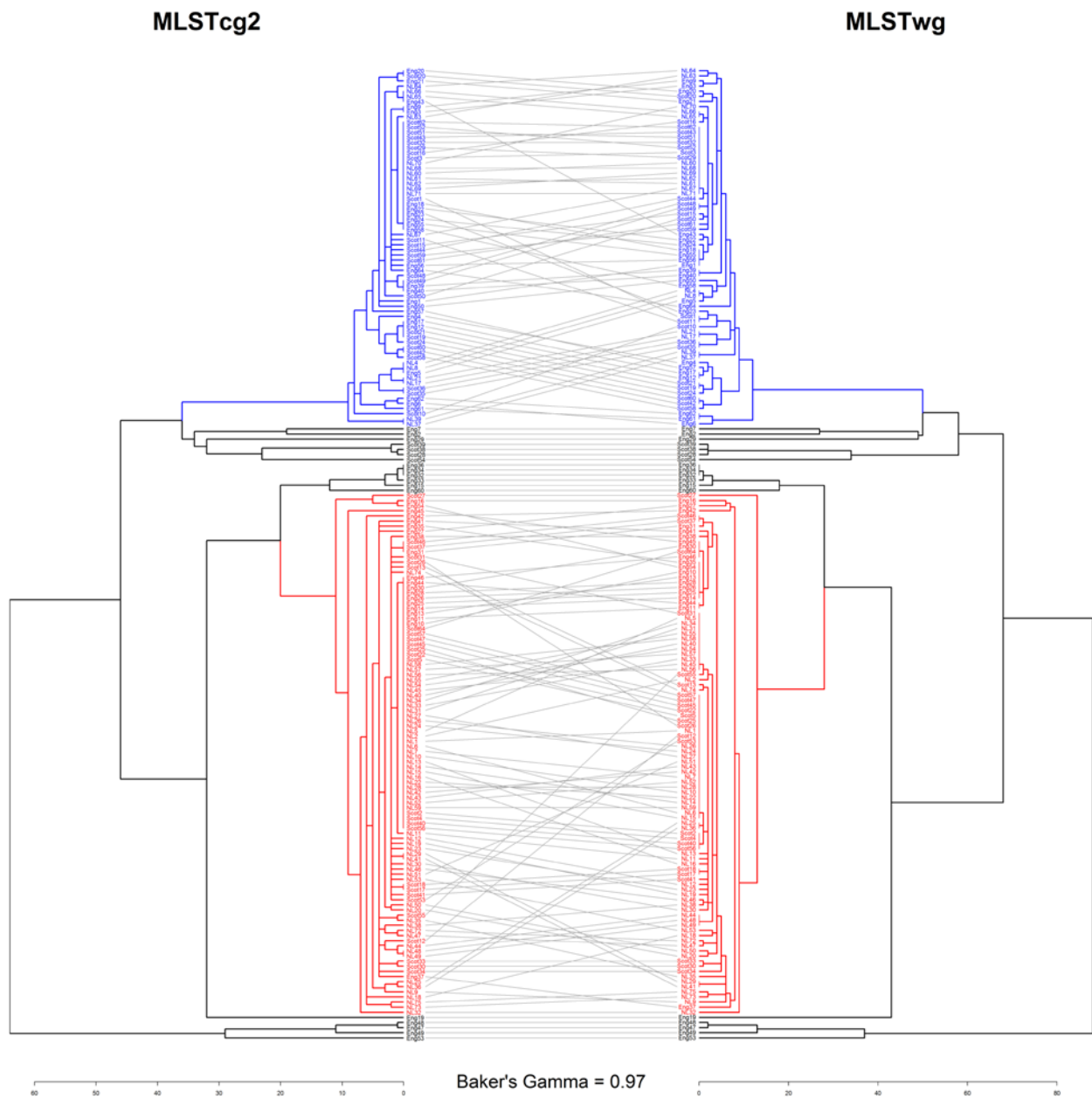
Figure S13. Tanglegram of MLSTcg2 and MLSTwg partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.
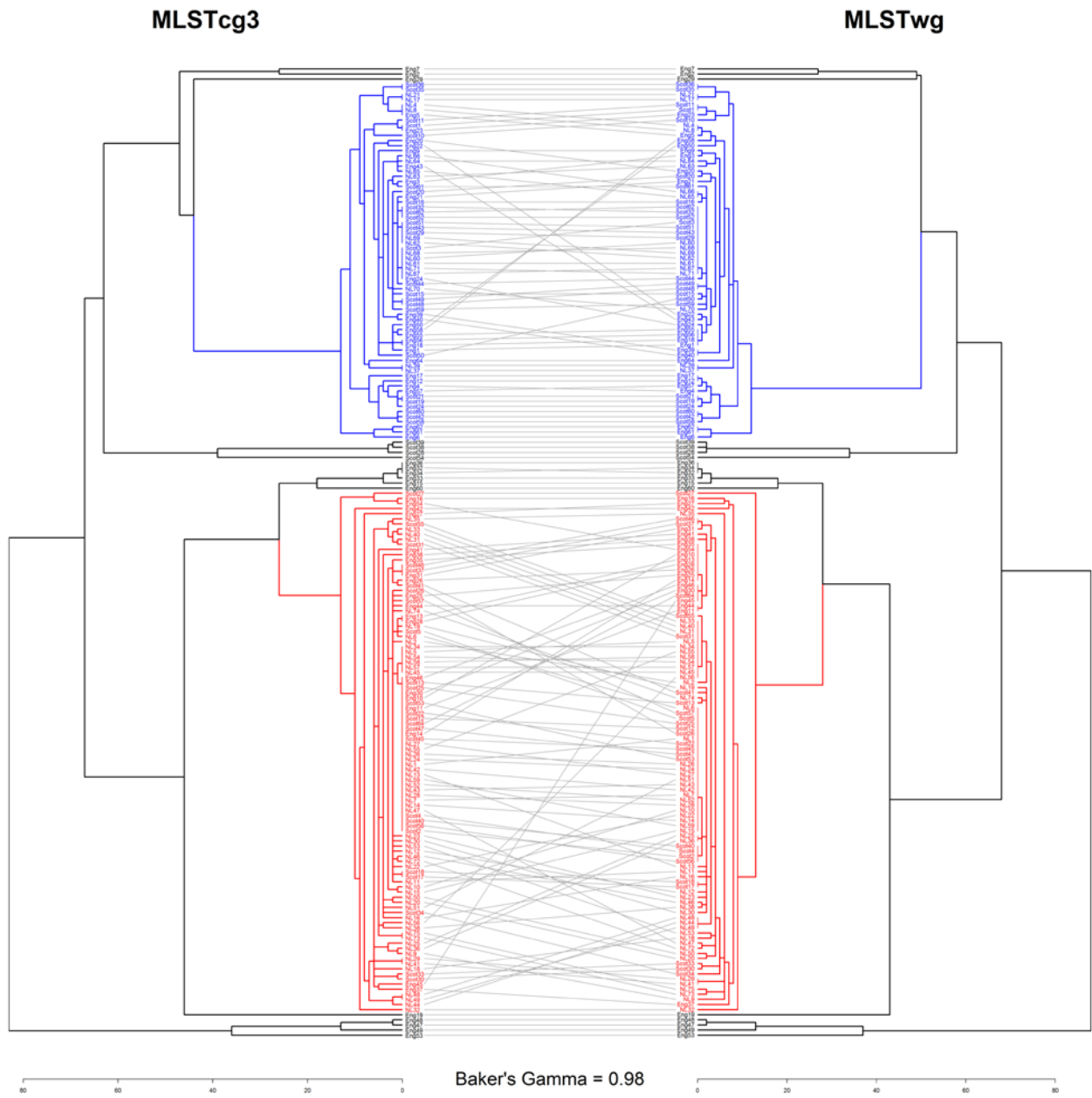
Figure S14. Tanglegram of MLSTcg3 and MLSTwg partitions using complete linkage. The outbreak clusters 1 and 2 are shown in red and blue, respectively.