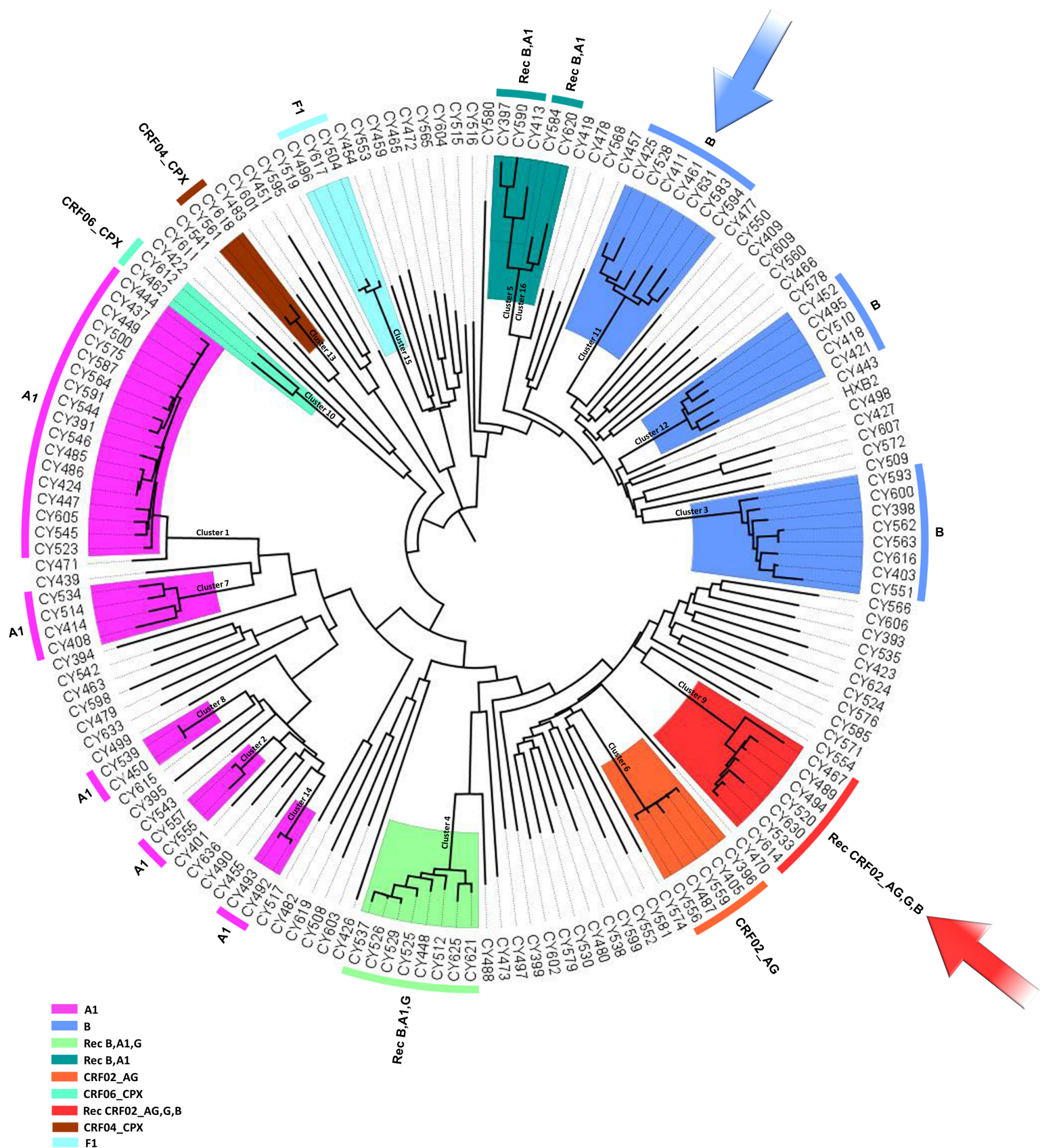


October 2019 REPORT



Remarks:

1. There are **sixteen** transmission clusters .
2. The recently active subtype A1 HIV-1 transmission hotspot consisting of mostly Cypriot MSM (Cluster 1) remained unchanged.
3. The previously identified subtype A1 HIV-1 molecular cluster consisting of two heterosexual individuals of foreign nationalities (Cluster 2) remained unchanged.
4. The subtype B HIV-1 transmission hotspot consisting of mostly Cypriot MSM who reported to be infected in Cyprus (Cluster 3) remained unchanged.
5. The previously identified recombinant (Rec B, A1, G) HIV-1 molecular cluster consisting of six Cypriots mostly MSM and two individuals of foreign nationalities (Cluster 4, indicated by the arrow on the phylogenetic tree) remained unchanged.
6. The previously identified recombinant (Rec B, A1) HIV-1 molecular cluster consisting of three individuals (Cluster 5) remained unchanged.
7. The previously identified CRF02_AG HIV-1 molecular cluster consisting of Cypriots mostly MSM (Cluster 6) remained unchanged.
8. The previously identified A1 molecular cluster consisting of Cypriot MSM (Cluster 7) remained unchanged.
9. The previously identified A1 molecular cluster consisting of one Cypriot and one European (Bulgaria) MSM (Cluster 8) remained unchanged.
10. The previously identified recombinant (Rec CRF02_AG, G, B) HIV-1 molecular cluster consisting of one foreign (Nigerian) HBC, two Cypriot MSM and two Cypriot HC (Cluster 9, indicated by the arrow on the phylogenetic tree) has **expanded by one additional Cypriot MSM and one MSM of foreign nationality (UK)**.
11. The previously identified CRF06_CPX molecular cluster consisting of two Cypriot MSM (Cluster 10) remained unchanged.
12. The previously identified B molecular cluster consisting of one foreign (Indonesian) MSM, five Cypriot individuals, three MSM and two HC (Cluster 11, indicated by the arrow on the phylogenetic tree) has **expanded by one additional Cypriot MSM**.
13. The previously identified B molecular cluster consisting of five Cypriot individuals, three HBC and two MSM (Cluster 12) remained unchanged.
14. The previously identified CRF04_CPX molecular cluster consisting of two individuals (Cluster 13) remained unchanged.
15. The previously identified A1 molecular cluster consisting of two Romanian HC (Cluster 14) remained unchanged.
16. The previously identified F1 transmission cluster consisting of one Cypriot and two European (Italy and Romania) individuals (Cluster 15) remained unchanged.
17. The previously identified recombinant (Rec B, A1) HIV-1 molecular cluster consisting of two Cypriots (Cluster 16) remained unchanged.