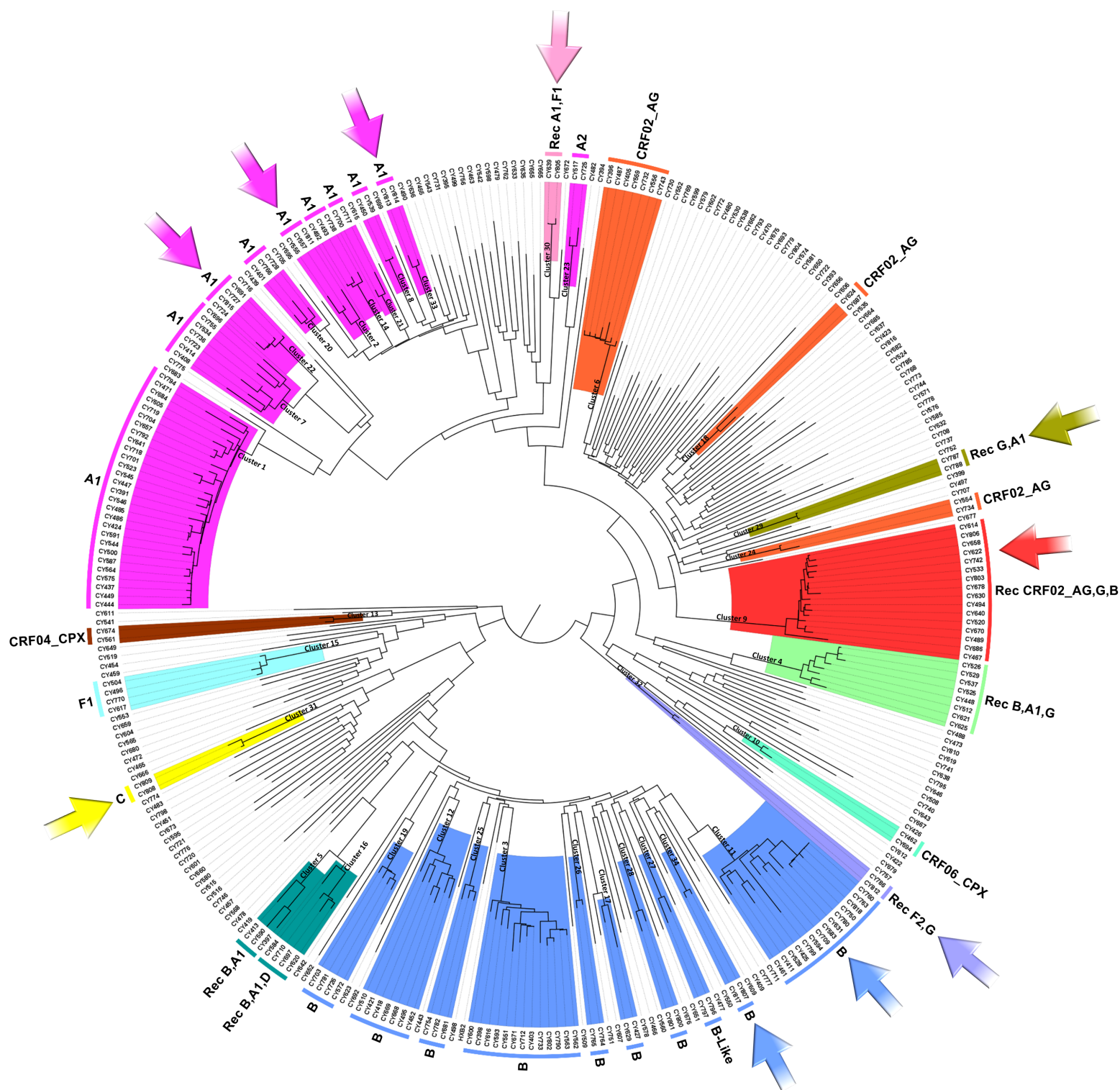


June 2021 REPORT



- A1 and A2
- B and B-Like
- C
- F1
- CRF02_AG
- CRF04_CPX
- CRF06_CPX
- Rec A1, F1
- Rec B, A1 and Rec B, A1, D
- Rec B, A1, G
- Rec F2, G
- Rec G, A1
- Rec CRF02_AG, G, B

Remarks:

1. There are **thirty four** HIV-1 molecular 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 (Philippines and Romania) (Cluster 2, indicated by the arrow on the phylogenetic tree) has **expanded by one European HC (UK)**.
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 two individuals of foreign nationalities, one MSM (Lebanon) and one HBC (Greece), and six Cypriot individuals, four MSM, one HC and one HBC (Cluster 4) remained unchanged.
6. The previously identified recombinant (Rec B, A1) HIV-1 molecular cluster consisting of three Cypriot individuals, two HBC and one MSM (Cluster 5) remained unchanged.
7. The previously identified CRF02_AG HIV-1 molecular cluster consisting of six Cypriot individuals, four MSM, one HC and one HBC, and one European HC (Romania) (Cluster 6) remained unchanged.
8. The previously identified A1 HIV-1 molecular cluster consisting of mostly Cypriot MSM (Cluster 7) remained unchanged.
9. The previously identified A1 HIV-1 molecular cluster consisting of one Cypriot and one European MSM (Bulgaria) (Cluster 8) remained unchanged.
10. The previously identified recombinant (Rec CRF02_AG, G, B) HIV-1 molecular cluster consisting of six individuals of foreign nationalities, one HBC (Nigeria) and five MSM (UK, Greece and Bulgaria), and nine Cypriot individuals, six MSM, two HC and one HBC (Cluster 9, indicated by the arrow on the phylogenetic tree) has **expanded by one Cypriot MSM**.
11. The previously identified CRF06_CPX HIV-1 molecular cluster consisting of two Cypriot MSM (Cluster 10) remained unchanged.
12. The previously identified B HIV-1 molecular cluster consisting of four MSM of foreign nationalities (Indonesia, Slovakia, Poland and UK), and nine Cypriot individuals, seven MSM and two HC (Cluster 11, indicated by the arrow on the phylogenetic tree) has **expanded by one Cypriot MSM**.
13. The previously identified B HIV-1 molecular cluster consisting of seven Cypriot individuals, four HBC, two MSM and one HC (Cluster 12) remained unchanged.
14. The previously identified CRF04_CPX HIV-1 molecular cluster consisting of two Cypriot IDU (Cluster 13) remained unchanged.
15. The previously identified A1 HIV-1 molecular cluster consisting of two European HC (Romania) and one HC of foreign nationality (Ukraine) (Cluster 14) remained unchanged.
16. The previously identified F1 HIV-1 molecular cluster consisting of two Cypriot individuals, one HBC and one MSM, and two European individuals, one HC (Italy) and one MSM (Romania) (Cluster 15) remained unchanged.
17. The previously identified recombinant (Rec B, A1) HIV-1 molecular cluster consisting of three Cypriot individuals, two MSM and one HC, and one European HBC (Romania) (Cluster 16) remained unchanged.

18. The previously identified B HIV-1 molecular cluster consisting of two Cypriot individuals, one HC and one HBC (Cluster 17) remained unchanged.
 19. The previously identified CRF02_AG HIV-1 molecular cluster consisting of two heterosexual individuals of foreign nationality (Cameroon) (Cluster 18) remained unchanged.
 20. The previously identified B HIV-1 molecular cluster consisting of four Cypriot MSM (Cluster 19) remained unchanged.
 21. The previously identified A1 HIV-1 molecular cluster consisting of one European HC (Bulgaria) and two Cypriot HBC (Cluster 20) remained unchanged.
 22. The previously identified A1 HIV-1 molecular cluster consisting of two individuals of foreign nationality (Georgia) (Cluster 21) remained unchanged.
 23. The previously identified A1 HIV-1 molecular cluster consisting of three Cypriot MSM (Cluster 22, indicated by the arrow on the phylogenetic tree) has **expanded by one Cypriot MSM**.
 24. The previously identified A2 HIV-1 molecular cluster consisting of two Cypriot individuals, one MSM and one HBC (Cluster 23) remained unchanged.
 25. The previously identified CRF02_AG HIV-1 molecular cluster consisting of one European MSM (UK) and one Cypriot HC (Cluster 24) remained unchanged.
 26. The previously identified B HIV-1 molecular cluster consisting of one European MSM (UK) and two Cypriot MSM (Cluster 25) remained unchanged.
 27. The previously identified B HIV-1 molecular cluster consisting of two European MSM (Romania) (Cluster 26) remained unchanged.
 28. The previously identified B-Like HIV-1 molecular cluster consisting of one Cypriot and one European MSM (Bulgaria) (Cluster 27) remained unchanged.
 29. The previously identified B HIV-1 molecular cluster consisting of one European (Poland) and one Cypriot MSM (Cluster 28) remained unchanged.
 30. There is a **new recombinant (Rec G, A1) HIV-1 molecular cluster** (Cluster 29, indicated by the arrow on the phylogenetic tree) **consisting of two MSM of foreign nationality (Nigeria)**.
 31. There is a **new recombinant (Rec A1, F1) HIV-1 molecular cluster** (Cluster 30, indicated by the arrow on the phylogenetic tree) **consisting of one Cypriot MSM and one IDU/MSM of foreign nationality (Cameroon)**.
 32. There is a **new C HIV-1 molecular cluster** (Cluster 31, indicated by the arrow on the phylogenetic tree) **consisting of two Cypriot HC**.
 33. There is a **new recombinant (Rec F2, G) HIV-1 molecular cluster** (Cluster 32, indicated by the arrow on the phylogenetic tree) **consisting of two MSM of foreign nationality (Cameroon)**.
 34. There is a **new A1 HIV-1 molecular cluster** (Cluster 33, indicated by the arrow on the phylogenetic tree) **consisting of one Cypriot HC and one HC of foreign nationality (Ukraine)**.
 35. There is a **new B HIV-1 molecular cluster** (Cluster 34, indicated by the arrow on the phylogenetic tree) **consisting of two European MSM (Ireland and UK)**.
- Recombinant (Rec B, A1) HIV-1 molecular cluster (Cluster 16) was **renamed as 'Rec B, A1, D'**.