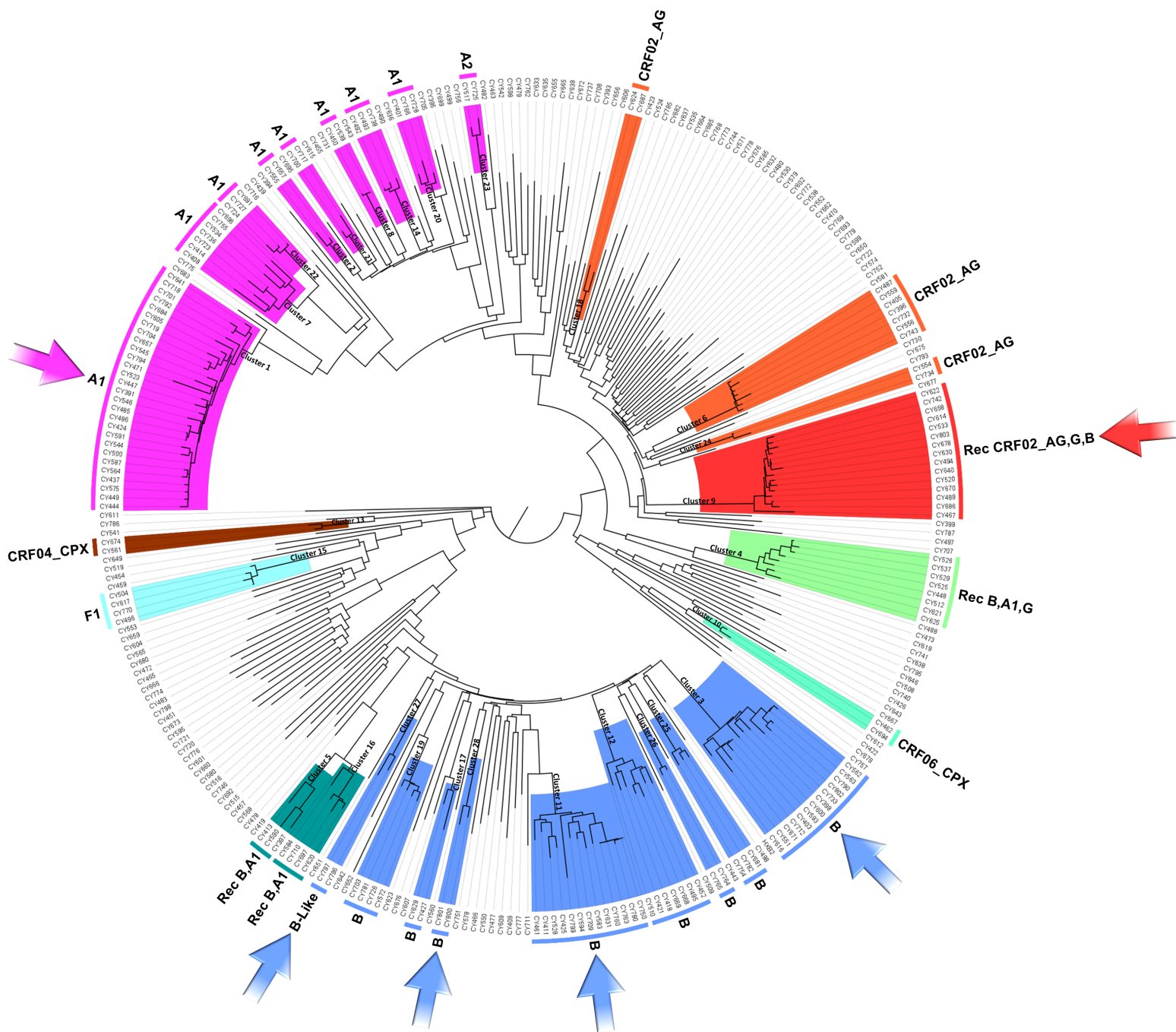


May 2021 REPORT



- A1 or A2
- B
- Rec B, A1, G
- Rec B, A1
- CRF02_AG
- Rec CRF02_AG, G, B
- CRF06_CPX
- CRF04_CPX
- F1

Remarks:

1. There are **twenty seven** transmission clusters .
2. The recently active subtype A1 HIV-1 transmission hotspot consisting of mostly Cypriot MSM (Cluster 1, indicated by the arrow on the phylogenetic tree) has **expanded by one Cypriot and two European MSM (Bulgaria and Greece).**
3. The previously identified subtype A1 HIV-1 molecular cluster consisting of two heterosexual individuals of foreign nationalities (Philippines and Romania) (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, indicated by the arrow on the phylogenetic tree) has **expanded by one Cypriot HC.**
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 eight Cypriot individuals, five 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 mostly Cypriot MSM (Cluster 11, indicated by the arrow on the phylogenetic tree) has **expanded by one European MSM (UK).**
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) remained unchanged.
 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. There is a **new B-Like HIV-1 molecular cluster** (Cluster 27, indicated by the arrow on the phylogenetic tree) **consisting of one Cypriot and one European MSM (Bulgaria).**
 29. There is a **new B HIV-1 molecular cluster** (Cluster 28, indicated by the arrow on the phylogenetic tree) **consisting of one European (Poland) and one Cypriot MSM.**
- **A number of samples were excluded from the dataset due to not fulfilling the inclusion criteria. With respect to this exclusion, 6 samples were removed from the molecular clusters;**
 - **One sample was excluded** from the subtype A1 HIV-1 transmission hotspot (**Cluster 1**)
 - **One sample was excluded** from the recombinant (Rec B, A1) HIV-1 molecular cluster (**Cluster 5**)
 - **One sample was excluded** from the subtype A1 HIV-1 molecular cluster (**Cluster 7**)
 - **Two samples were excluded** from the CRF04_CPX HIV-1 molecular cluster (**Cluster 13**)
 - **One sample was excluded** from the recombinant (Rec CRF06_CPX, G, A1) HIV-1 molecular cluster (**Cluster 27**). Due to this exclusion, the recombinant (Rec CRF06_CPX, G, A1) HIV-1 molecular cluster no longer exists.