

Minutes of IARC meeting 104, Aug 22nd, 2022

In attendance: Ayelet Peres, Gur Yaari, Andrew Collins, Martin Corcoran, Corey Watson, Mats Ohlin, James Heather

1. Approval of minutes of meeting 103

Approved

2. Functional groups reference book and VDJbase - updates

Recent modifications of the reference book were outlined including an opportunity to add comments and discuss scientific matters in relation to the different groups. Discussion on VDJbase and reference book and their use also on mutated repertoires and in conjunction with use of BIOMED-2 primers.

3. Submission of data for IGLV2-14*i*02 (IGLV2-14*04) to ENA/GenBank - update.

Discussion of this allele that is present in many data sets but still short in the IMGT database. Data to be submitted by AP based on a suitable P1 data set.

4. Submission of data for additional P1 sequences in VDJbase not yet affirmed (e.g. IGHV3-30*04 C201T G317A (IGHV3-30*18 G113C C114T) (P1_I70), IGHV3-13*01_G290A_T300C (P1_10), IGHV4-61*01 A41G (P1_I23)) to ENA/GenBank.

AP will assess the status of these submissions.

5. IARC - Notes on development of human IGH germline sets that are optimized for use in AIRR-seq analysis.

Extensive discussion on criteria for the establishment of such sets including criteria for inclusion of genes, electibles when creating sets based on intended use (population/tool/data type/mutational status etc.).

6. Discussion on Inferred Allele Review Committee - Objectives and Approach

Discussion of text proposal of IARC's objectives and IARC's approach. The matter was tabled for future discussion in preparation of a subsequent decision.

7. Next meeting

September 13th, 2022 at 13.00 UTC