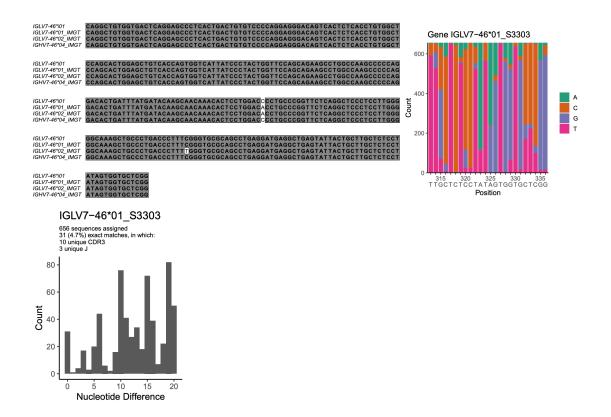
Minutes of IARC meeting 107, October 19th, 2022

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

- Approval of minutes of meeting 105
 Approved
- 2. Approval of minutes of meeting 106
 Approved
- 3. Report of IARC activities to the AIRR-C Executive Sub-committee Special Meeting with WG/SC Co-leads on Oct 20, 2022
 Report was summarized
- **4. Functional groups reference book update**The tool has been further updated.
- 5. Submission of data for IGLV2-14*i02 (IGLV2-14*04) and of data for additional inferred IGHV P1 sequences in VDJbase that have not yet been 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 update Submitted. Waiting for a response.
- 6. Consideration of the ability to use genomic evidence from other subjects to promote sequences, which would otherwise be considered as a level 0 inference, to level 1. (IGLV7-46*i01 as a test case)

 IGHV7-46*i01 was originally considered at IARC meetings 57 and 58 and affirmed as a level 0 sequence. Following its inclusion into IMGT based on genomic sequence data it was elevated to level 1 at IARC meeting 102 a decision that was reverted at IARC meeting 106 (the sequence had never been made publicly available). The data used for inference is rather mutated and in addition poorly support the 3'-end of the allele. Can the entire allele be included into the public domain of OGRDB through support by genomic data (GenBank: OL352718) of another subject or the same subject (Genbank: MK587528) or should it be included only based on evidence of the data used for inference?



Decision:

- The IGLV7-46*i01 allele (full length) is approved and moved to level 1 based on its own merits in combination with genomic data from the subject in question and another subject.
- A process for incorporation of Sanger-based genomic data in IARC's decision-making process will be discussed and established. A Google Doc draft will be created by MC.
- A process for incorporating genomic data of other origin in IARC's decision-making process will be discussed and established through discussion with data generators.

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

Brief discussion

8. Next meeting

Monday 24th at 10.00 UTC