

IARC Meeting 43: October 7th 2019: minutes

The meeting commenced at 20:00 AEDT. AC, MC, CS, MO and WL were in attendance. Corey Watson joined the meeting as an observer.

1. AC reported that he had been unable to prepare the minutes of the last meeting. They will be circulated in the coming weeks.
2. The minutes of meeting 40 were discussed again. Changes in the analysis of Submission 00028, described in the minutes, are still to be made. WL discussed his development of a script to express the output of inference tools in a standard format, supplemented if necessary. An alternative solution would be to request developers to provide information in the defined format. However the current system was developed by WL because software developers were not responding to requests of this kind.
3. Reanalysis of the submission S00028 again identified the novel allele IGHV3-7*02_A318G with 12640 sequences and 2796 perfect matches and 269 Unique CDR3s with unmutated Seqs. In this analysis only one other allele of IGHV3-7 was seen (as very rare inferences had been removed by IgDiscover filtering), IGHV3-7*03 with 21677 sequences and 4120 perfect matches giving a 37:63 allelic ratio. These alleles were very well separated by IGHJ6-based haplotype analysis (100:0 and 1:99, respectively). The re-analysis thus confirmed the inference of IGHV3-7*i01 as a Level 2 sequence. In line with previous policy, the submitted sequence is recognized up to and including nucleotide 319. A note will be included in the minutes of Meeting 40, indicating that the analysis shown in those minutes was later modified and considered at Meeting 43
4. It was determined that only one sequence (IGHV3-43D*i01) flagged as having 'unreferenced matches' needs to be considered. It will be dealt with at the next meeting.
5. Two requests from MO for modification of OGRDB were raised. WL agreed to develop a capacity to 'withdraw' submissions. He will also develop the Acknowledgements within OGRDB, so that the acknowledgements that presently appear within the Submission pages are copied to provide acknowledgments in the pages of each accepted sequence.
6. The committee continued discussion of the challenges associated with affirmation of the final nucleotides of IGKV sequences. The additional challenges associated with the highly variable IGLV sequence ends were also discussed.
7. AC will publish recently affirmed IGHV sequences, and forward details to IMGT.
8. The time of the next meeting (Meeting 44) will be determined via email.

The meeting ended at 21:10 AEST.