

IARC Meeting 50: February 24th 2020: minutes

The meeting commenced at 10:00 UTC. AC, MC, CS, MO, and WL were in attendance. Corey Watson also attended.

1. The minutes of meeting 49 will be considered at the next IARC meeting.
2. The challenges of light chain inferences were again discussed. The S00028 inference IGLV2-14*01_S5228 was highlighted as an example of an IgDiscover inference that is not detected if the previously reported, but truncated, *03 and *04 alleles are lengthened in the starting germline dataset. Discussion also considered: the problems of clone assignments for light chain sequences that have substantially less junctional diversity; read counts versus molecule counts; barcoding leading to identical coding sequences being defined as a clone.
3. CW suggested that he might have genomic sequences that could 'complete' some previously reported IGLV and IGKV that have substantial 5' truncations. This raised again the issue of whether or not such 'extended sequences' should be given new allele names. It was pointed out that the inferred sequence IGHV1-69*i02 is a 5' and 3' extension of IGHV1-69*07, but has been named IGHV1-69*18. IGHV1-69*15 could also be considered a 'completion' of the truncated IGHV1-69*07 sequence. In contrast, the inferred sequence IGHV4-4*i01 was accepted by IMGT as an extension of IGHV4-4*03. It was felt by the committee that the GLDB Working Group should engage with IMGT to formulate clearer policies regarding truncated sequences.
4. The next meeting (Meeting 51) will be held on March 19th at 10:30 UTC..

The meeting ended at 11:30 UTC.