

# IARC Meeting 12: April 20th 2018: minutes

The meeting commenced at 22:00 AEST. AC, MC, MO and CS were in attendance.

1. The minutes of Meeting 11 were accepted.
2. The discussions of the GLDB Working Group were briefly discussed. The value of having the WG consider genomic sequencing, and having the WG establish how the quality of genomic sequencing can be evaluated, was again affirmed.
3. The annual report of the IUIS Nomenclature Committee was discussed. AC reported that he would seek a meeting with Menno van Zelm to update him on the progress of IARC.

4. The committee considered

>IGHV4-4\*08\_S4567 (T165C, C237A) from B16

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CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACC
TGCAGTGTCTCTGGTGGCTCCATCAGTAGTACTACTGGAGCTGGATCCGGCAGCCCCAGGGA
AGGGACTGGAGTGGATTGGGTACATCTATAACCAGTGGGAGCACCAACTACAACCCCTCCCTCAA
GAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTG
ACCGCCGACACACGGCCGTGTATTACTGTGCGAGA
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The sequence is present at high frequency (1.8%), in the IgDiscover analysis. It was inferred by IgDiscover, and by TIgGER and Partis, but in the latter cases under the name IGHV4-59\*01+T149C.T156A.A157C.T260C.G263A. Haplotype analysis was inconclusive, given issues surrounding IGHV4-4/4-59 and 4-61. Analysis for chimerism did not provide evidence against the existence of the sequence. It was agreed that the sequence should be moved to Level 0. It was also agreed that it is important to better understand why this sequence was called by IgDiscover but not by Partis or TIgGER. AC undertook to write to Duncan Ralph and Steven Kleinstein, seeking their comments.

5. The committee considered

>IGHV4-59\*01\_S5140 (T109C) from B16

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CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACC
TGCAGTGTCTCTGGTGGCTCCATCAGTAGTCACTACTGGAGCTGGATCCGGCAGCCCCAGGG
AAGGGACTGGAGTGGATTGGGTATATCTATTACAGTGGGAGCACCAACTACAACCCCTCCCTCA
AGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGT
GACCGCTGCGGACACGGCCGTGTATTACTGTGCGAGAG
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The sequence is present at high frequency (3.0%), in the IgDiscover analysis. It was inferred by IgDiscover and not TIgGER but not Partis. Haplotype analysis was inconclusive, given issues surrounding IGHV4-4/4-59 and 4-61. Analysis for chimerism did not provide evidence against the existence of the sequence. It was agreed that the sequence should be moved to Level 0. Duncan Ralph should also be asked to comment on this sequence.

7. The committee considered

>IGHV4-61\*01\_S0787 (C136G A138G) from B16

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CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACC
TGCAGTGTCTCTGGTGGCTCCGTACGAGTGGTAGTACTACTGGAGCTGGATCCGGCAGCCC
GCCGGGAAGGGACTGGAGTGGATTGGGTATATCTATTACAGTGGGAGCACCAACTACAACCCCT
CCCTCAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAG
CTCTGTGACCGCTGCGGACACGGCCGTGTATTACTGTGCGAGAG
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The sequence is present at high frequency (1.7%), in the IgDiscover analysis. It was inferred by IgDiscover, Tlger and Partis. Haplotype analysis was inconclusive, given issues surrounding IGHV4-4/4-59 and 4-61. Analysis for chimerism did not provide evidence against the existence of the sequence. It was agreed that the sequence should be moved to Level 0.

8. The next meeting (Meeting 13) will be scheduled via email, as it cannot be held on 27/4/2018

The meeting ended at 22:00 AEST.