

# ISGC meeting, October 24, 2018

## Agenda:

1. Update of SheepGenomesDB (Rudi Brauning/Hans Daetwyler)
2. Potential opportunity for the community to remap and rerun the SheepGenomesDB utilising the Rambouillet v1 genome assembly.
3. PAG XXVII
4. Other items-AgR low density chip

**Present:** Hans Daetwyler, Brian Dalrymple, Rudiger Brauning, Kathryn McRae, Shannon Clarke, Emily Clark, Gwenola Tosser, Stephen White, Michelle Mousel, Noelle Cockett, Brenda Murdoch

**Apologies:** John McEwan, Cord Drögemüller, Tim Smith, Sean McWilliams

## Meeting notes:

1. [SheepGenomesDB](#) summary
  - There are 935 animals in run2 that has (like run1) utilised two pipelines for variant calling (GATK and Samtools). As with Run 1, both the variant overlap and the raw (non-filtered) will be reported.
  - The high-quality (overlap) are submitted to EVA
  - Update at PAG by Hans Daetwyler
2. SGDB-Run3: Rambouillet v1 genome assembly
  - AgResearch, via a national genome imitative (Genomics Aotearoa), has the potential to re-map the 935 animals and any additional genome sequences to be submitted (*preferably via the short read archive*) to the Rambouillet v1 genome assembly. See <https://sheepgenomesdb.org/> for details and/or contact [rudiger.brauning@agresearch.co.nz](mailto:rudiger.brauning@agresearch.co.nz)
  - Using GATK's HaplotypeCaller as a single pipeline going forward received positive support from members on the call.
  - Additional sequences:
    - i. Alan Archibald (Roslin): 8 Scottish Blackface and 10 Cheviots
    - ii. Emily Clark (Roslin): 178 genomes from African sheep
    - iii. Cord Drögemüller (University of Bern): 50 individual sheep genomes at ~20x coverage belonging to 14 different local breeds.
  - Update at PAG in ISGC workshop (Hans Daetwyler)
3. PAG XXVII
  - Note new start time for the ISGC workshop at PAG: Monday, January 14, 2019: **12:50 PM - 3:00 PM**, Town and Country, Towne - Meeting House.
4. Other items-AgR low density chip:
  - AgResearch have generated a new Illumina XT low density Ovine array (~18K). Please contact [shannon.clarke@agresearch.co.nz](mailto:shannon.clarke@agresearch.co.nz) for details of use