



Figure SX: Illumina and ONT read alignments to *K. oxytoca* MSB1_2C, as visualised by the Integrated Genomics Viewer (IGV), before and after one round of Pilon polishing. The alignments are shown for a repetitive region of interest where Pilon polishing resulted in the deletion of 144 bp (the only change made by Pilon).

A: before Pilon polishing, the Illumina read alignments have low depth across the region of interest, and the ONT read alignments show few large deletions. The ALE score for this assembly (based on Illumina read alignments) was -27262808.

B. after Pilon polishing, the Illumina read alignments are deeper, but most ONT read alignments which span the region contain a large insertion approximately 144 bp in size, showing that the change made by Pilon was in error. The ALE score for this assembly (based on Illumina read alignments) was -27261633, larger than the pre-Pilon ALE score. ALE score is therefore not correlated with assembly accuracy in this case.