Additional File 2: SNP calling script.

To create our CandiSNP input files we used the pileups_to_snps.rb Ruby script which relies on the bio-samtools and bio-gngm Ruby Gems. The input data is the FASTA reference sequence (TAIR10 genome in this case) and the SAM/BAM alignment file for each dataset. The output is a comma-delimited file of SNPs formatted for input to the CandiSNP application. The source code for this script is available at:

https://github.com/danmaclean/candisnp/blob/master/pileup to snps.rb