Supplementary Material

BATCAVE: Calling somatic mutations with a tumor- and site-specific prior

Brian K. Mannakee and Ryan N. Gutenkunst

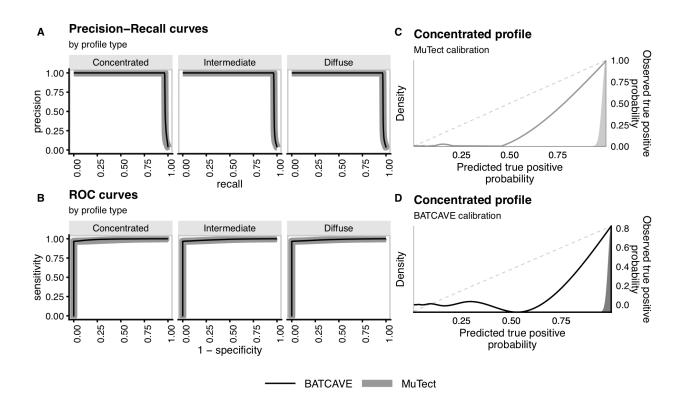


Figure S1: Variant-calling performance on simulated 100X whole genomes. As in Fig. 4A-D, but for 100X whole genomes.

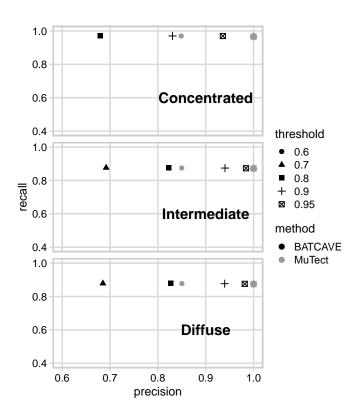


Figure S2: Posterior probability calibration for realistic calling thresholds, for 100X whole genomes. As in Fig. 5, but for 100X whole genomes.

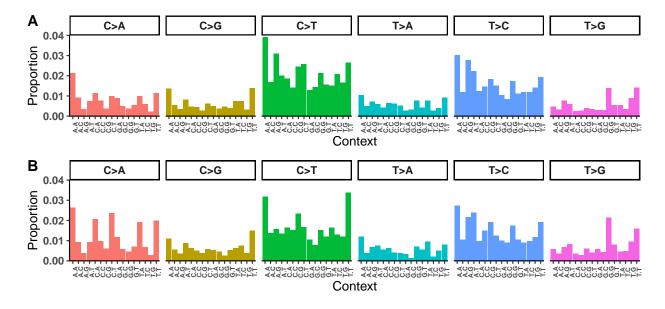


Figure S3: Mutation profiles of A) high-confidence and B) low-confidence mutations in the AML data.

Table S1: Sample summary for Shi et al. (2018).

Purity estimate (%)	
53.8	9.3e-7
46.3	8.4e-7
26.0	1.0e-6
40.0	1.1e-6
32.3	1.0e-7
40*	1.0e-6
56.4	8.7e-7
72.8	7.4e-7
64.9	4.3e-7
60.4	8.8e-7
61.7	7.9e-7
57.6	8.1e-7
78.7	5.7e-7
76.7	5.8e-7
80.8	1.8e-7
47.8	2.8e-7
49.4	4.1e-7
52.9	4.4e-7
	53.8 46.3 26.0 40.0 32.3 40* 56.4 72.8 64.9 60.4 61.7 57.6 78.7 76.7 80.8 47.8 49.4

*Shi et al. did not estimate purity for Case 2 biorep C. We chose 40% purity, based on the other biological replicates from this case.