

**Supplemental Data Table S2.** Variant calling criteria

Criteria	SNP	Indel
Minimum allele frequency	0.15	0.15
Minimum quality	10	10
Minimum coverage	20	20
Minimum coverage on either strand	3	3
Maximum strand bias	0.95	0.85
Minimum relative read quality	8.5	NA
Maximum common signal shift	0.25	NA
Maximum reference/variant signal shift (insertion)	NA	0.2
Maximum reference/variant signal shift (deletion)	NA	0.2

Abbreviation: NA, not applicable.