

TABLE S2 Probability of an observed nucleotide read as a function of the individual genotype g and error rate ϵ in the tetraploid sequence data.

Genotype	Nucleotide read			
	A	C	G	T
AAAA	$1 - \epsilon$	$\epsilon/3$	$\epsilon/3$	$\epsilon/3$
CCCC	$\epsilon/3$	$1 - \epsilon$	$\epsilon/3$	$\epsilon/3$
GGGG	$\epsilon/3$	$\epsilon/3$	$1 - \epsilon$	$\epsilon/3$
TTTT	$\epsilon/3$	$\epsilon/3$	$\epsilon/3$	$1 - \epsilon$
ACCC	$1/4$	$(3/4) - (2\epsilon/3)$	$\epsilon/3$	$\epsilon/3$
AGGG	$1/4$	$\epsilon/3$	$(3/4) - (2\epsilon/3)$	$\epsilon/3$
ATTT	$1/4$	$\epsilon/3$	$\epsilon/3$	$(3/4) - (2\epsilon/3)$
CGGG	$\epsilon/3$	$1/4$	$(3/4) - (2\epsilon/3)$	$\epsilon/3$
CTTT	$\epsilon/3$	$1/4$	$\epsilon/3$	$(3/4) - (2\epsilon/3)$
GTTT	$\epsilon/3$	$\epsilon/3$	$1/4$	$(3/4) - (2\epsilon/3)$
AACC	$(1/2) - (\epsilon/3)$	$(1/2) - (\epsilon/3)$	$\epsilon/3$	$\epsilon/3$
AAGG	$(1/2) - (\epsilon/3)$	$\epsilon/3$	$(1/2) - (\epsilon/3)$	$\epsilon/3$
AATT	$(1/2) - (\epsilon/3)$	$\epsilon/3$	$\epsilon/3$	$(1/2) - (\epsilon/3)$
CCGG	$\epsilon/3$	$(1/2) - (\epsilon/3)$	$(1/2) - (\epsilon/3)$	$\epsilon/3$
CCTT	$\epsilon/3$	$(1/2) - (\epsilon/3)$	$\epsilon/3$	$(1/2) - (\epsilon/3)$

GGTT	$\epsilon/3$	$\epsilon/3$	$(1/2) - (\epsilon/3)$	$(1/2) - (\epsilon/3)$
AAAC	$(3/4) - (2\epsilon/3)$	$1/4$	$\epsilon/3$	$\epsilon/3$
AAAG	$(3/4) - (2\epsilon/3)$	$\epsilon/3$	$1/4$	$\epsilon/3$
AAAT	$(3/4) - (2\epsilon/3)$	$\epsilon/3$	$\epsilon/3$	$1/4$
CCCG	$\epsilon/3$	$(3/4) - (2\epsilon/3)$	$1/4$	$\epsilon/3$
CCCT	$\epsilon/3$	$(3/4) - (2\epsilon/3)$	$\epsilon/3$	$1/4$
GGGT	$\epsilon/3$	$\epsilon/3$	$(3/4) - (2\epsilon/3)$	$1/4$
AACG	$(1/2) - (\epsilon/3)$	$1/4$	$1/4$	$\epsilon/3$
AACT	$(1/2) - (\epsilon/3)$	$1/4$	$\epsilon/3$	$1/4$
AAGT	$(1/2) - (\epsilon/3)$	$\epsilon/3$	$1/4$	$1/4$
ACCG	$1/4$	$(1/2) - (\epsilon/3)$	$1/4$	$\epsilon/3$
ACCT	$1/4$	$(1/2) - (\epsilon/3)$	$\epsilon/3$	$1/4$
CCGT	$\epsilon/3$	$(1/2) - (\epsilon/3)$	$1/4$	$1/4$
ACGG	$1/4$	$1/4$	$(1/2) - (\epsilon/3)$	$\epsilon/3$
AGGT	$1/4$	$\epsilon/3$	$(1/2) - (\epsilon/3)$	$1/4$
CGGT	$\epsilon/3$	$1/4$	$(1/2) - (\epsilon/3)$	$1/4$
ACTT	$1/4$	$1/4$	$\epsilon/3$	$(1/2) - (\epsilon/3)$
AGTT	$1/4$	$\epsilon/3$	$1/4$	$(1/2) - (\epsilon/3)$

CGTT	$\epsilon/3$	$1/4$	$1/4$	$(1/2) - (\epsilon/3)$
ACGT	$1/4$	$1/4$	$1/4$	$1/4$
