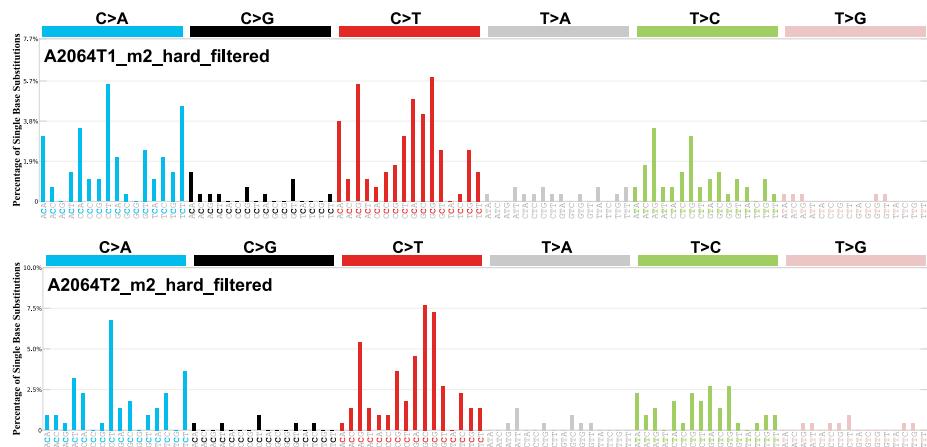
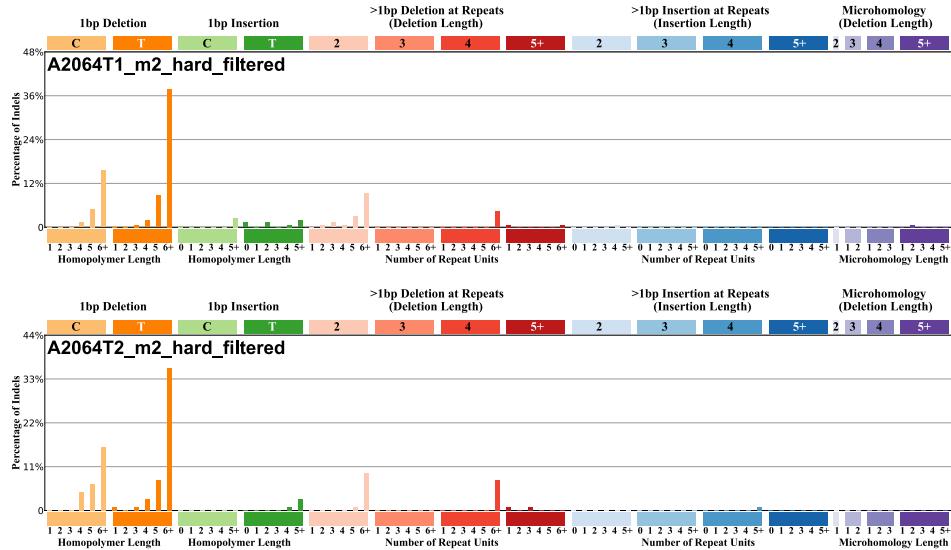


Supplemental Figure S1. Hotspots of adenine 1-indel mutations in the *rpsL* gene

The mutation frequency (MF) of adenine 1-indel was calculated and mapped onto the *rpsL* coding sequence. The MF of deletion (left) and insertion (right) at each locus is indicated as deletion/insertion within colored panels. blue: control mice, bule: KBrO₃-treated mice. SD: Shine-Dalgarno sequence. Squares indicate start and stop codons. Mononucleotide adenine repeat sequences [(A)_n] are highlighted in magenta. The (A)₆ site emerged as the most frequent hotspot for adenine 1-indel mutations, followed by the (A)₅ site.

A**B**

Supplemental Fig S2. Mutational profiles in *Msh2*^{-/-} tumor

Mutational profiles based on tumor-specific variants identified using WES of tumors. Two tumors were isolated from a *Msh2*^{-/-} mouse treated with 0.15% KBrO₃. (A) SBS signature. (B) ID signature.