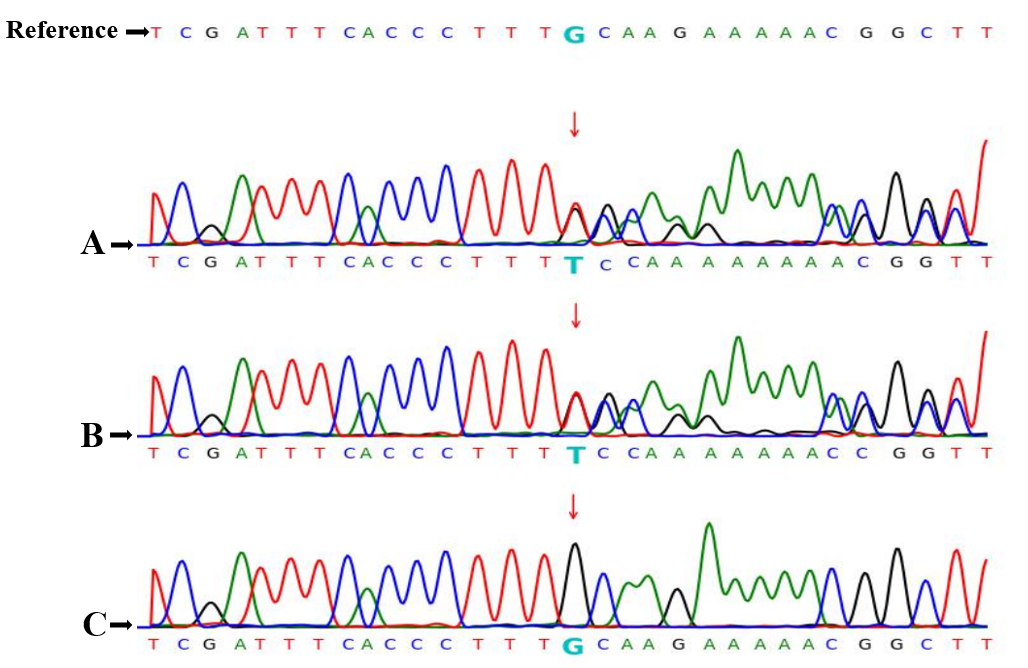


**Fig.1** Pedigree of a family with Hereditary multiple exostoses (HME). Empty symbols indicate unaffected individuals, filled symbols indicate affected individuals, and oblique lines indicate deceased. The black arrow points the proband (III-3).



**Fig.2** Identification of a novel mutation (c.325dup) in the EXT1 gene. **(A)** The novel frameshift insertion mutation was identified in the EXT1 gene of the proband (Ⅲ-3). **(B)** The novel frameshift insertion mutation in the affected family members(Ⅱ-1, Ⅱ-5, Ⅲ-1). **(C)** Absence of the novel frameshift insertion mutation in the unaffected family members (Ⅰ-2, Ⅱ-2, Ⅱ-3, Ⅱ-4, Ⅱ-6, Ⅲ-2).