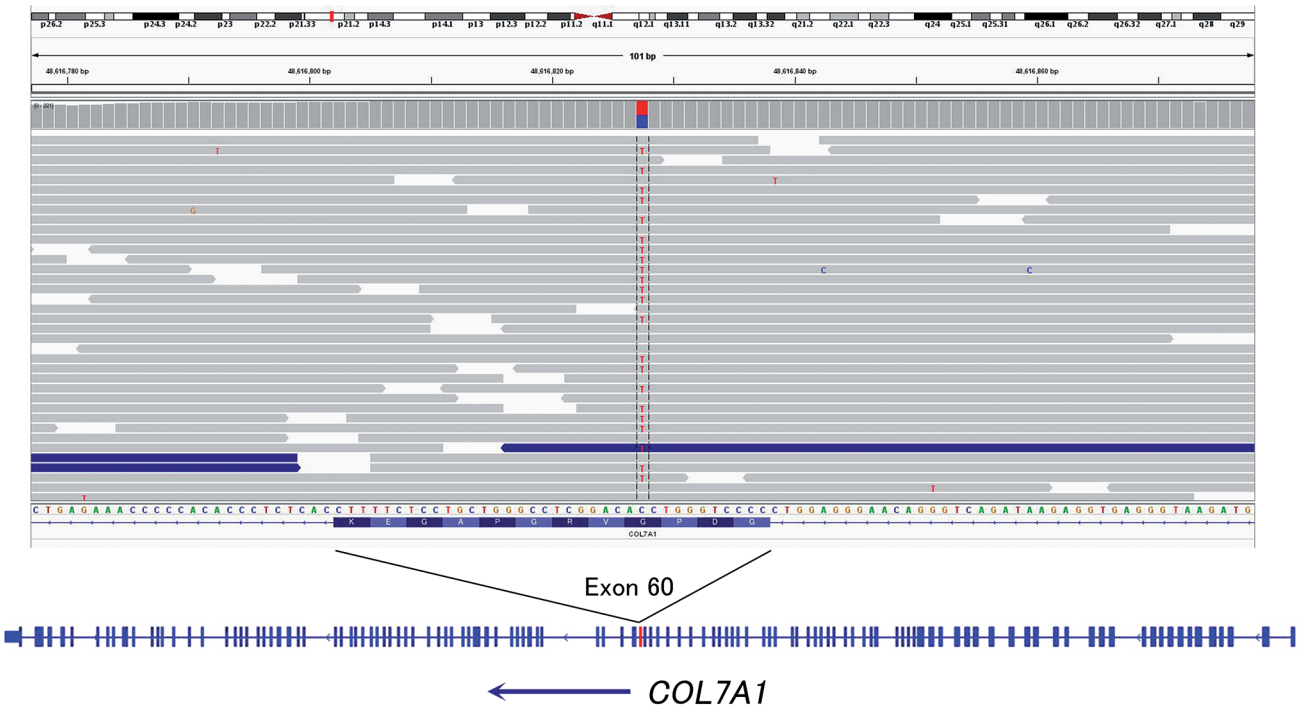


*Fig. S2.* Integrative genomics vie of a single nucleotide variation (SNV) in chr. 3:g.48616827C>T (negative strand) in *COL7A1* identified by next generation sequencing. The SNV corresponds to c.5282G>A in exon 60, which leads to a missense mutation of p.Gly1761Asp. No other novel SNV and indels were found in other genes examined, *KRT5, KRT14, DST, EXPH5, DSP, PLEC, LAMA3, LAMB3, ITGA3, LAMC3, ITGB4, ITGB6, COL17A1, CD151* and *FERMT1*.