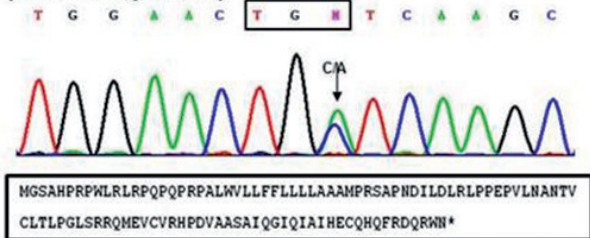


A. Wildtype WNT10A (417 aa)

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MGSAHPRPWLRLRPQPQPRPALWLLFFLLLLAAAMP RSAPNDILDRLPPEPVLNANTV
CLTLPGLSRRQMEVCVRHPDVAASAIQGIQIAIHECQHQFRDQRWNCSSLETRNKIPIYES
PIFSRGRFRESAFAYIAAAGVVHAVSNACALGKLGKACGCDASRRGDEEAFRRKLHRLQLD
ALQRGKGLSHGVPEHPALPTASPLQDSWEGGCS PDMGFGERFSKDFLDSREPHRDIHA
RMRLHNNRVGRQAVMENMRKCKCHGTSGSCQLKTCWQVTFEFTV GALLRSRFHRATLI
RPHNRRGGQLPEPGAGAPSPAPGAPGPRRRASPADLVYFEKSPDFCEREPR LDSAGTVGR
LCNKSSAGSDGCGSMCCGRGHNILRQTRSERCHCRFHWCFFVVECECRIT EWSVCK*
```

**B. WNT10A exon 2
(c.321C>A;p.C107*)**



**C. WNT10A exon 3
(c.742C>T;p.R248*)**

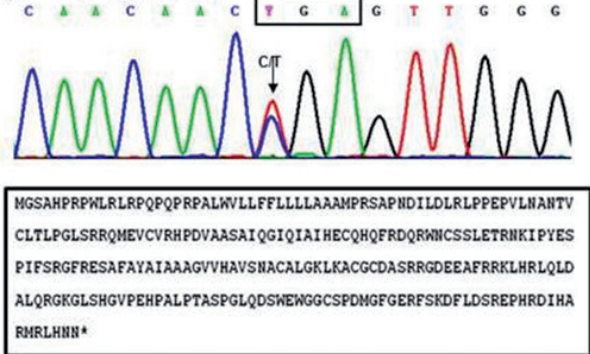


Fig. S2. Graphical illustrations of the WNT10A mutations detected. The WNT10A gene comprises four exons and is located on the long (q) arm of chromosome 2 (2q35). It encodes a protein of 417 amino acids belongs to a large family of secreted signalling proteins. (A) Wild-type protein sequence of *WNT10A* (417 aa). (B) Sequence map of exon 2 showing the c.321C>A; p.Cys107* mutation in the human *WNT10A* gene. (C) Sequence map of exon 3 showing the c.742C>T; p.Arg248* mutation in the human *WNT10A* gene. Both nonsense mutations introduce premature stop codons TGA (indicated by a box).