

## Three novel *ANO5* missense mutations in Caucasian and Chinese families and sporadic cases with gnathodiaphyseal dysplasia

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**Supplemental Table 1.** Oligonucleotides used to sequence the *ANO5* gene.

**Supplemental Table 2.** Amplification primers for quantitative real-time PCR.

Table 1. Oligonucleotides used to sequence the *ANO5* gene

Exon	Forward(5'-3')	Reverse(5'-3')
1	AAAGAGGCGTGAAACAGG	AGCGAACCTCCCTAGGACTC
2	TGCTTTTCCTGTTATAGGCAGTT	GGGAGCCTCAAACAATCA
3	CCCACAGGCACATTTACAGA	GCATGTCAAATAACTGAACTGGA
4	TTGCTTTCTCCCATTTTTCT	ACAATGTTCCCCCAAATCAA
5	TCTTCCTCCTGAGTCATTATTGC	CACTTCAGGGCCTCTCACTT
6	GCAGAGAGCCATCCAGAGTC	ACCACAGGCCCTATCATCC
7	TTGAAAATGCTTTGATGTGTTTG	CACCTTGAGAAATGGTACG
8	TTCCTGACAACCAAGAGAAGC	GGATTTCCACCATGAGAG
9	TTGCATTTTGAGATAGCTTTGTG	TCAGTTTAGCAACAACATTCTCC
10	AGAAAGCAGTGGAGCCAAAA	ACCAGGTGAGAGGCAACTGT
11	AAAGCTGGGCTCTGAAAACCTC	ACCCCAAATTCCCATGAATA
12	TGTTCCCTCTGCAGCACTGA	TGGCCACTAATATGCACTCC
13	AGCCACCTGAAACATGTGAA	TTGCAGAATATTTTAAAGGCAAAA
14	GGCCTGGAGATTTCTCCTTC	GGGAGAGGGAAAGGAAAGAC
15	TGCCAGTGTTTCATGTCTTGC	CTCCTGGAGACCTGATCCAA
16	TCCTAGGCTTTTCCAGTGGTT	TGAATCAGTGCTTGACACACA
17	AACCTTCCAACCAAAACCT	AAACCTTGCTAGCCATGGAA
18	GCTTTGGCTGGTGTCAATTC	TGGAACAGGGAAATAGGGAAC
19	TGTGGATCACTCCAAAACGA	AAGAGTTTGCATGACATAGGTTTTT
20	TGTTTCAGGACAAAGACTTGC	TCTGAATCATGCAATGTGTGAA
21	TTTTTCTGATCAACTAGAAAGGTCTG	TTTCCTTTCTTTTCTGTCCAC
22	TCTTCCTTGCCTTTCTACCTCA	CCCAAGGCCAGTGTTTCTTA

Table 2. Amplification primers for quantitative real-time PCR

Gene	Forward(5'-3')	Reverse(5'-3')
Ocn	CTCACAGATGCCAAGCCCA	CCAAGGTAGCGCCGGAGT
Col1a1	TTCTCCTGGTAAAGATGGTGC	GGACCAGCATCACCTTTAACA
Runx2	GGCAAGATGAGCGACGTGAG	ATCTGACTCTGTCCTTGTGG
Osterix	CTGGCTAGGTGGTGGTCAG	GTAGGGAGCTGGGTTAAGG
Ano5	CATGGGAATCCGAGTGGATG	GTGGAATTCGTTGAGTAGGC
Gapdh	AGGTCGGTGTGAACGGATTTG	TGTAGACCATGTAGTTGAGGTCA