

Supplementary Information:

TABLE S1: Summary of clinical features of keratocystic odontogenic tumor patients.

Patient NO.	Gender	Age (years)	Location	Therapy
1	M	41	Mandible	Curettage
2	F	43	Mandible	Curettage
3	F	36	Mandible	Curettage
4	M	35	Mandible	Curettage
5	M	41	Maxilla	Curettage
6	M	35	Mandible	Curettage
7	F	38	Mandible	Curettage
8	F	27	Mandible	Curettage
9	M	68	Mandible	Curettage
10	M	12	Mandible	Curettage
11	F	28	Mandible	Curettage
12	F	35	Mandible	Curettage
13	F	54	Mandible	Curettage
14	M	71	Mandible	Curettage
15	M	14	Mandible	Curettage
16	M	24	Mandible	Curettage
17	F	34	Mandible	Curettage
18	M	18	Maxilla	Curettage
19	F	44	Mandible	Curettage

20	M	34	Mandible	Curettage
21	F	28	Mandible	Curettage
22	F	44	Mandible	Curettage
23	M	21	Mandible	Curettage
24	F	21	Mandible	Curettage
25	F	44	Mandible	Curettage
26	F	21	Mandible	Curettage
27	F	30	Mandible	Curettage
28	M	14	Mandible	Curettage
29	F	38	Mandible	Curettage
30	M	35	Mandible	Curettage
31	M	41	Mandible	Curettage
32	M	71	Mandible	Curettage
33	F	33	Maxilla	Curettage
34	M	38	Mandible	Curettage
35	F	21	Mandible	Curettage
36	M	18	Mandible	Curettage
37	F	44	Mandible	Curettage
38	M	31	Mandible	Curettage
39	F	34	Mandible	Curettage
40	M	58	Mandible	Curettage

TABLE S2: Summary of clinical features of radicular cyst patients.

Patient NO.	Gender	Age (years)	Location	Therapy
1	M	71	Mandible	Curettage
2	F	55	Mandible	Curettage
3	M	19	Maxilla	Curettage
4	M	19	Mandible	Curettage
5	M	46	Mandible	Curettage
6	M	13	Mandible	Curettage
7	M	31	Mandible	Curettage
8	F	51	Mandible	Curettage
9	M	24	Mandible	Curettage
10	F	49	Mandible	Curettage
11	M	63	Mandible	Curettage
12	F	59	Maxilla	Curettage
13	F	21	Mandible	Curettage
14	M	45	Mandible	Curettage
15	M	49	Mandible	Curettage
16	F	64	Mandible	Curettage
17	F	17	Mandible	Curettage
18	F	46	Mandible	Curettage
19	M	36	Mandible	Curettage
20	F	32	Mandible	Curettage

TABLE S3: Primer Sequences Used for Real-time Quantitative PCR.

Gene	Forward (5'-3')	Reverse (5'-3')
18s rRNA	CGGCTACCACATCCAAG GAA	GCTGGAATTACCGCGGCT
E-cadherin	GCTGAGCTGGACAGGGA GGA	ATGGGGGCGTTGTCATTAC
N-cadherin	AGGGCCTTAAAGCTGCTG ACA	TCATAGTCGAAGACTAAAAGGGAGTC ATAT
Vimentin	TCCAGCAGCTTCCTGTAG GT	CCCTCACCTGTGAAGTGGAT
Slug	AGCAGTTGCACTGTGATG CC	ACACAGCAGCCAGATTCCTC
TGF-β1	GGGACTATCCACCTGCA AGA	CCTCCTTGGCGTAGTAGTCG