

Table SI. Primer pairs used for the amplification of exons of COL7A1 gene

Exon	Sequence (5'→3')	Sequence (3'→5')	Product size (bp)
1	CAGGCAAGACCAGGACTCGG	GTCGTGGAGTTGGCTGGGTT	307
2	ACCATCCCAAGTCCCAAGTGA	TGTTTCTGCAAAGACCTGGC	375
3, 4	GGCCAGAAGAGATCCTGAGT	CTGACCTGTCACCTCTGCTC	422
5	AGCAGGAGTGACAGGTCAGC	GGGTCAAGGAGCACATAGGAT	337
6	GTGTACCCTGACCTAGACC	GAGGTCACCTTATCTTGCCC	370
7	TCAGGAGTGATAGGTGGTGGC	CAGGGATTATGGAGTCAGA	282
8	CAATTCTGCCAGCCTCTGAC	GGCCTTGCAGACTCAGGACT	288
9	GAGAGATGTGGGCTGAGGG	GCACATGGGATGTCAGTGGC	321
10	AGGCTGGGCACTTCTTCAG	GTCAGACCAGCAGAGGCCAT	258
11	GAAGGGATGGACAGGCAAGG	AGCACAGCATAGAGGCAGCC	284
12	CAGTGAGTGGGGAGGTGTC	GAAGGAGAGGGCTGGAGGTA	272
13	CCTTCTACTCTGCGTCCCT	AACCAGGACCAGAGTGAGGC	294
14	TGAGTACTGCAGGAGGCTTG	TGAGGTCAGAGGAAAATGCT	314
15	AATGAGGGTATGGGTGCCAG	GGAGGAGGGAGTGGGATTCT	337
16	AGACTCCCATCATCTTCCC	CACCTGGACCCCCAATAAAC	275
17	ACAGAGTTTGCTAGCCCTGG	CTGGGCAATCAGGAACACAC	263
18	GCTGCCTAAAGTGACCTGTC	GCATACAGCAATGGTTAGGG	317
19	CCCTAACCAATTGCTGTATGC	CCAAAGGCTCACTACCAATC	289
20	CAGGTCTGAGAGGAGGGAG	CCATCACTGTCCTCGCTACC	332
21	AACCCAGTTAACAGAGCCAG	GGAGGAGTCACTCAGAGTCG	330
22	ACCCAGGATCTCAGATCTCT	TGCAGGAGACAGAACTTGAT	294
23	AGTTGGGGCTCTGTGGAGAC	CAAGTTACTGAAGCGGGCAG	263
24	ATAGTGGGCGTAGTGGGAAG	TGTGAGAGAGCTGGGAGAAT	333
25	CACCCTGATGTGTTTCTCCA	GGAAGGACATGTCAGAACCC	290
26	GCATGGACTCCTGGGGCTAT	TAAGGTGGGGTCCAGTGGCT	299
27	GTAAGGAGTAGGCTGATGGG	AGGGTCTCTTTGAGGTTGAA	346
28-31	GGGACTGGGTGGTAGAATAT	GAGACAGCTTTGAGGAGTGC	550
32, 33	TCTGCCTCACTGTTCCACCC	GCTCAGGCGAATGTCAACGT	453
34, 35	TGCTCTCTAAGTGTCTTCCC	CCCACTACACATCACTTGCC	445
36	GGTATGTGGAGGCAAGTGAT	CAAGGATTTTGGGAGAAGT	321
37, 38	CTCCAAAATCCTTGAATC	AGAAGTATGAAGCCAGCAC	358
39-41	AGTGGTTGGGTGCTGGGCTT	GCCAATAGCTCCAGGAGGTC	441
42, 43	TTTCTCCTTCAGGGTACTC	CACGTTCCGCCCTGATGAAA	589
44-46	TCTAGCCCTGTCTGTCCATA	TATAGGAGGGTCACTGTCTA	461
47, 48	GACTTCCAATTCCATGTGAC	CTGTGGATGGAAGGATAAGA	405
49, 50	GGGCAGTTGGTGAAGGTTGT	AAGAGGGAGGTGATGCAGGA	329
51-53	CCTTGAGAACTGCTTGCTTC	TTTCTATCACCTTCATGCC	579
54	TGATGGGAACCTCTGATGTG	GAAGATTTGGGAGGGTTAGC	299
55, 56	ACACACGCATCTGAAGGCTA	AGGTTTCAGAGGGACAGTGG	542
57-60	CCTCACAGACCCTGTATCCC	GGATCTGATAACCCAGGCTC	575
61, 62	ATGAGCCTGGGTATCAGAT	TCTCTCGGATGCTGTGACTA	507
63, 64	GCCCAAGGGATATCTCAGAG	TCTTGGCTGTGTAGGTGTGC	315
65, 66	GCCATGCTCCAAGACACACAC	CATCAGCACCCCTGAGACCTC	374
67, 68	GGGAGAGAAGTGAGTATTGG	CCAGTCTCCCCACGGTCAAC	477
69, 70	TGAGTGCGGATGTTGGGTAG	GCCCAAGTTCCTTGAGTGT	435
71	GCAGGAGCTTCTCTGTCTATG	ACAGCAAGAGGTCAGAGGAG	197
72	TCAAAGTGGGTTGTTAGGG	GGAAGAGAGAATGCTGGTGG	322
73	GGGTGTAGCTGTACAGCCAC	CCCTCTTCCCTCACTCTCCT	286
74-75	CCAGGAGAGTGAGGGAAGAG	TAGGGTCAGAAAATCCAGGG	370
76	TGACTAGTGACCAGGAAGCC	TCAAGTCACTCCCTAGTGGC	297
77, 78	GCTAAGGTCAAGTGTGGGAA	CCTAGACAGAGTCAGGACCC	434
79	GTAAGTCCCTGCCAACACAGC	AGAGAGGCACACAGACACAG	347
80-82	CAAGTGAGGCCAGATTGAG	GGCATGGACACAGCTTGAAG	478
83-85	TAGTGTGCGCCAACCTCCTG	CTGCCTGTCGACCCTTGACC	485
86, 87	GTCAAAGGGTTGGGCTCCAGG	TGGAAAACAGGCTTGTGGGTG	404
88, 89	CACAAGCCTGTTCCAAATG	GGGTGGGTAAACTATGGGTC	331
90, 91	CGCATATTAAGCTCTGGCC	CTTATGCCCGCCATCACT	321
92, 93	AGCCCGTGTCTGAACTCTGT	ACTCCCTCTTCTCCTGTGG	311
94, 95	TGATGAGAGTCTGGGAGGG	CCCATCCTAAGTCCCTCACGA	458
96, 97	TCGTGAGGACTTAGGATGGG	GAGGTTGGAAAATCAGAGGCA	385
98, 99	CTCTTGCCCTGATTCCAA	CCCGCACCTGAATTCTAA	429
100-102	GAAGTCTGGCATGAGTGG	TGCCCTCACAGATGCTGTGG	565
103, 104	CGGGCTCGTTGTATTCTAAG	CAAAAAGCTACCACACTGGTG	514
105, 106	CCACTATCCAGGGCGATTCT	GCAGTGGGGTGAGCCTTAGG	467
107, 108	GTACAGAGGGGATGGGGGCT	CTACACCCCATGACCCGAC	344
109, 110	GAGTTCAGGGAGGTCCAGA	TGGTTATGAGGTTGGAAGGG	417
111, 112	AGCTCTGACTCCTGATCCCT	GGGACTATGGTGAGACTGCA	508
113	TCCATGCAGTCTCACCATAG	CTTGACTGCTTGCCCTGTAA	237
114, 115	CCCTCTGCCTGTGTGTCTCT	CTGCATTATGGACACCCAT	418
116	ACAGTGGAAAATCAGTGTGC	AGGGTTTGTGGGAATCAGAG	274
117	CCCTGACCTTTCAACCCTCT	AAGGACTCCTCCCCAGAAC	334
118	TCTCCGGGAAGGTCAGATG	CATCACAGGCTTGGGTCAAG	355