

Table 1. Single nucleotide variations and deletion insertions on human CAPN10 gene

Variant type	Snp_id	Clinical significance	ClinVar Accession ID	Clinvar Conditions
delins	1559425580	pathogenic	VCV000984989.2	Inborn genetic conditions
delins	1182803771	pathogenic	data not found	data not found
delins	3842570	risk-factor	VCV000005094.4	Type 2 diabetes mellitus 1, susceptibility to
snv	3792267	risk-factor	VCV000005093.5	Type 2 diabetes mellitus 1, susceptibility to
snv	2975760	risk-factor	VCV000005096.5	Polycystic ovary syndrome, susceptibility to; Type 2 diabetes mellitus 1, susceptibility to

Table 2. Copy number variations in humanCAPN10 gene

Variant	ID	Variant Type	Clinical Significance
1. nsv3910630	48473985	Copy Number Variation (CNV)	Pathogenic
2. nsv3898929	48462284	Copy Number Variation (CNV)	Pathogenic
3. nsv4768328	50453133	Copy Number Variation (CNV)	Pathogenic
4. nsv6315436	53680383	Copy Number Variation (CNV)	Pathogenic
5. nsv3871027	48434382	Copy Number Variation (CNV)	Pathogenic
6. nsv3910501	48473856	Copy Number Variation (CNV)	Pathogenic
7. nsv3894767	48458122	Copy Number Variation (CNV)	Pathogenic
8. nsv3892808	48456163	Copy Number Variation (CNV)	Pathogenic
9. nsv3877071	48440426	Copy Number Variation (CNV)	Pathogenic
10. nsv4674624	50271449	Copy Number Variation (CNV)	Pathogenic
11. nsv3899818	48463173	Copy Number Variation (CNV)	Pathogenic
12. nsv3907279	48470634	Copy Number Variation (CNV)	Pathogenic
13. nsv3892556	48455911	Copy Number Variation (CNV)	Pathogenic
14. nsv3908885	48472240	Copy Number Variation (CNV)	Pathogenic
15. nsv3893680	48457035	Copy Number Variation (CNV)	Pathogenic

16. nsv3881079	48444434	Copy Number Variation (CNV)	Pathogenic
17. nsv3904002	48467357	Copy Number Variation (CNV)	Pathogenic
18. nsv3888182	48451537	Copy Number Variation (CNV)	Pathogenic
19. nsv6636673	54355502	Copy Number Variation (CNV)	Pathogenic
20. nsv3894098	48457453	Copy Number Variation (CNV)	Pathogenic
21. nsv3904272	48467627	Copy Number Variation (CNV)	Pathogenic
22. nsv6315457	53680404	Copy Number Variation (CNV)	Pathogenic
23. nsv3903735	48467090	Copy Number Variation (CNV)	Pathogenic
24. nsv3904021	48467376	Copy Number Variation (CNV)	Pathogenic
25. nsv6636841	54355670	Copy Number Variation (CNV)	Pathogenic
26. nsv5381323	51636580	Copy Number Variation (CNV)	Pathogenic
27. nsv3892921	48456276	Copy Number Variation (CNV)	Pathogenic
28. nsv4347295	49342208	Copy Number Variation (CNV)	Pathogenic
29. nsv3895143	48458498	Copy Number Variation (CNV)	Pathogenic
30. nsv4674036	50270861	Copy Number Variation (CNV)	Pathogenic
31. nsv6314846	53679120	Copy Number Variation (CNV)	Pathogenic
32. nsv3901109	48464464	Copy Number Variation (CNV)	Pathogenic
33. nsv6291434	53636829	Copy Number Variation (CNV)	Pathogenic
34. nsv3885702	48449057	Copy Number Variation (CNV)	Pathogenic
35. nsv3908432	48471787	Copy Number Variation (CNV)	Pathogenic
36. nsv3907251	48470606	Copy Number Variation (CNV)	Pathogenic
37. nsv3880305	48443660	Copy Number Variation (CNV)	Pathogenic
38. nsv3903264	48466619	Copy Number Variation (CNV)	Pathogenic
39. nsv6311660	53675531	Copy Number Variation (CNV)	Pathogenic
40. nsv3893525	48456880	Copy Number Variation (CNV)	Pathogenic
41. nsv3902809	48466164	Copy Number Variation (CNV)	Pathogenic
42. nsv3899161	48462516	Copy Number Variation (CNV)	Pathogenic
43. nsv3889388	48452743	Copy Number Variation (CNV)	Pathogenic
44. nsv4347297	49342210	Copy Number Variation (CNV)	Pathogenic
45. nsv6634398	54348701	Copy Number Variation (CNV)	Pathogenic
46. nsv6291102	53636497	Copy Number Variation (CNV)	Pathogenic
47. nsv3902426	48465781	Copy Number Variation (CNV)	Pathogenic
48. nsv4436652	49580256	Copy Number Variation (CNV)	Pathogenic
49. nsv3888880	48452235	Copy Number Variation (CNV)	Pathogenic
50. nsv3882185	48445540	Copy Number Variation (CNV)	Pathogenic
51. nsv4674409	50271234	Copy Number Variation (CNV)	Pathogenic
52. nsv3878365	48441720	Copy Number Variation (CNV)	Pathogenic
53. nsv4673906	50270731	Copy Number Variation (CNV)	Pathogenic
54. nsv3882086	48445441	Copy Number Variation (CNV)	Pathogenic

55. nsv3904723	48468078	Copy Number Variation (CNV)	Pathogenic
56. nsv3883138	48446493	Copy Number Variation (CNV)	Pathogenic
57. nsv3908556	48471911	Copy Number Variation (CNV)	Pathogenic
58. nsv3908282	48471637	Copy Number Variation (CNV)	Pathogenic
59. nsv3909019	48472374	Copy Number Variation (CNV)	Pathogenic
60. nsv1398390	30348053	Copy Number Variation (CNV)	Pathogenic
61. nsv3904190	48467545	Copy Number Variation (CNV)	Pathogenic
62. nsv491548	1198794	Copy Number Variation (CNV)	Pathogenic
63. nsv6315390	53680337	Copy Number Variation (CNV)	Pathogenic
64. nsv3874648	48438003	Copy Number Variation (CNV)	Pathogenic
65. nsv3885544	48448899	Copy Number Variation (CNV)	Pathogenic
66. nsv3882615	48445970	Copy Number Variation (CNV)	Pathogenic
67. nsv4728725	50372362	Copy Number Variation (CNV)	Pathogenic
68. nsv3890898	48454253	Copy Number Variation (CNV)	Pathogenic
69. nsv3896499	48459854	Copy Number Variation (CNV)	Pathogenic
70. nsv3908112	48471467	Copy Number Variation (CNV)	Pathogenic
71. nsv3892823	48456178	Copy Number Variation (CNV)	Pathogenic
72. nsv3871121	48434476	Copy Number Variation (CNV)	Pathogenic
73. nsv3894025	48457380	Copy Number Variation (CNV)	Pathogenic
74. nsv3884002	48447357	Copy Number Variation (CNV)	Pathogenic
75. nsv3897593	48460948	Copy Number Variation (CNV)	Pathogenic
76. nsv3905997	48469352	Copy Number Variation (CNV)	Pathogenic
77. nsv4673913	50270738	Copy Number Variation (CNV)	Pathogenic
78. nsv3885422	48448777	Copy Number Variation (CNV)	Pathogenic
79. nsv3902416	48465771	Copy Number Variation (CNV)	Pathogenic
80. nsv3890832	48454187	Copy Number Variation (CNV)	Pathogenic
81. nsv6311563	53675434	Copy Number Variation (CNV)	Pathogenic
82. nsv4674620	50271445	Copy Number Variation (CNV)	Pathogenic
83. nsv1397950	30347613	Copy Number Variation (CNV)	Pathogenic
84. nsv3904659	48468014	Copy Number Variation (CNV)	Pathogenic
85. nsv4347296	49342209	Copy Number Variation (CNV)	Likely Pathogenic
86. nsv3877136	48440491	Copy Number Variation (CNV)	Likely Pathogenic
87. nsv3898945	48462300	Copy Number Variation (CNV)	Likely Pathogenic
88. nsv3887397	48450752	Copy Number Variation (CNV)	Likely Pathogenic
89. nsv3906254	48469609	Copy Number Variation (CNV)	Likely Pathogenic
90. nsv3892918	48456273	Copy Number Variation (CNV)	Likely Pathogenic
91. nsv3881218	48444573	Copy Number Variation (CNV)	Likely Pathogenic