U.S. Genome Variation Estimates

CAPN10 Allele and Genotype Frequencies

AVAILABLE POLYMORPHISM(S)

rs number	Common Designations		Genotyping method
	Nucleotide change	Amino acid change	
rs3792267	IVS3-176G>A		TaqMan

BY RACE/ETHNICITY

Variant	Race-Ethnicity	Allele % (95% CI)		Chi-Square P-Value†	Genotype % (95% CI)			Chi-Square P-Value†	HW P-Value‡
rs3792267		A	G		AA	AG	GG		
	Non-Hispanic White	25.8 (23.7, 27.9)	74.2 (72.1, 76.3)	<0.001	6.8 (5.8, 8.0)	38.0 (35.3, 40.7)	55.2 (51.9, 58.6)	<0.001	0.65
	Non-Hispanic Black	16.2 (14.3, 18.2)	83.8 (81.8, 85.7)		2.4 (1.7, 3.4)	27.5 (24.5, 30.7)	70.1 (66.6, 73.4)		0.64
	Mexican American	27.3 (25.3, 29.5)	72.7 (70.5, 74.7)		7.3 (6.1, 8.9)	40.0 (37.4, 42.6)	52.7 (49.5, 55.9)		0.42
	Total*	24.6 (23.1, 26.1)	75.4 (73.9, 76.9)		6.4 (5.7, 7.3)	36.3 (34.4, 38.2)	57.3 (54.8, 59.7)		

* Includes all U.S. race/ethnic groups.
† “other" race/ethnicity category was not included in chi-square tests.
‡ P-values from unweighted chi-square goodness-of-fit tests to test for deviations from Hardy-Weinberg (HW) proportions.

BY AGE*

Variant	Age (Years)	Allele % (95% CI)		Chi-Square P-Value	Genotype % (95% CI)			Chi-Square P-Value

rs3792267		A	G		AA	AG	GG	
	12-19	23.1 (19.8, 26.7)	76.9 (73.3, 80.2)	0.546	6.3 (4.7, 8.4)	33.5 (27.4, 40.3)	60.2 (53.6, 66.4)	0.359
	20-39	25.5 (23.1, 28.0)	74.5 (72.0, 76.9)		7.2 (5.7, 9.1)	36.5 (33.2, 39.9)	56.3 (52.4, 60.1)	
	40-59	23.9 (21.2, 26.8)	76.1 (73.2, 78.8)		5.7 (4.0, 8.2)	36.3 (32.1, 40.8)	57.9 (53.3, 62.4)	
	>=60	24.8 (22.3, 27.4)	75.2 (72.6, 77.7)		5.8 (4.7, 7.1)	37.9 (33.9, 42.1)	56.3 (51.8, 60.7)	
	Total	24.6 (23.1, 26.1)	75.4 (73.9, 76.9)		6.4 (5.7, 7.3)	36.3 (34.4, 38.2)	57.3 (54.8, 59.7)	

* Includes all participants, regardless of race/ethnicity.

BY SEX*

Variant	Sex	Allele % (95% CI)		Chi-Square P-Value	Genotype % (95% CI)			Chi-Square P-Value
rs3792267		A	G		AA	AG	GG	
	Male	24.4 (22.2, 26.7)	75.6 (73.3, 77.8)	0.749	6.8 (5.4, 8.5)	35.2 (33.0, 37.4)	58.0 (54.9, 61.1)	0.313
	Female	24.7 (23.2, 26.4)	75.3 (73.6, 76.8)		6.1 (5.0, 7.3)	37.4 (34.7, 40.1)	56.6 (53.8, 59.3)	
	Total	24.6 (23.1, 26.1)	75.4 (73.9, 76.9)		6.4 (5.7, 7.3)	36.3 (34.4, 38.2)	57.3 (54.8, 59.7)	

* Includes all participants, regardless of race/ethnicity.

BY RACE/ETHNICITY AND AGE

Variant	Race-Ethnicity	Age (Years)	Allele % (95% CI)		Genotype % (95% CI)		
rs3792267			A	G	AA	AG	GG
	Non-Hispanic White	12-19	24.5 (19.9, 29.8)	75.5 (70.2, 80.1)	7.0 (4.6, 10.7)	35.0 (27.4, 43.3)	58.0 (49.4, 66.1)
		20-39	26.9 (23.6, 30.4)	73.1 (69.6, 76.4)	7.9 (5.8, 10.7)	37.8 (33.7, 42.1)	54.2 (49.1, 59.3)
		40-59	24.6 (20.9, 28.7)	75.4 (71.3, 79.1)	5.4 (3.5, 8.4)	38.3 (32.4, 44.6)	56.3 (49.6, 62.7)
		>=60	26.2 (23.3, 29.2)	73.8 (70.8, 76.7)	6.5 (5.2, 8.0)	39.5 (34.8, 44.3)	54.1 (48.9, 59.2)

	Non-Hispanic Black	12-19	16.2 (13.8, 18.9)	83.8 (81.1, 86.2)	2.1 (1.0, 4.1)	28.3 (23.8, 33.3)	69.6 (64.7, 74.2)
		20-39	16.0 (13.6, 18.7)	84.0 (81.3, 86.4)	2.5 (1.5, 4.1)	27.1 (23.4, 31.2)	70.4 (65.9, 74.6)
		40-59	16.2 (14.0, 18.6)	83.8 (81.4, 86.0)	2.7 (1.6, 4.5)	27.0 (22.5, 32.0)	70.3 (65.7, 74.6)
		>=60	16.5 (13.0, 20.6)	83.5 (79.4, 87.0)	2.1 (0.9, 4.6)	28.8 (22.7, 35.7)	69.2 (61.9, 75.6)
	Mexican American	12-19	29.7 (26.7, 33.0)	70.3 (67.0, 73.3)	7.4 (5.2, 10.4)	44.7 (39.1, 50.4)	47.9 (42.6, 53.3)
		20-39	26.3 (24.3, 28.3)	73.7 (71.7, 75.7)	6.7 (5.5, 8.1)	39.2 (36.9, 41.5)	54.1 (51.1, 57.1)
		40-59	28.0 (22.8, 33.8)	72.0 (66.2, 77.2)	9.2 (6.1, 13.8)	37.5 (31.3, 44.2)	53.3 (45.0, 61.3)
		>=60	26.1 (23.9, 28.4)	73.9 (71.6, 76.1)	6.3 (4.2, 9.3)	39.6 (34.9, 44.5)	54.1 (50.2, 58.1)

BY RACE/ETHNICITY AND SEX

Variant	Race-Ethnicity	Sex	Allele % (95% CI)		Genotype % (95% CI)		
rs3792267			A	G	AA	AG	GG
	Non-Hispanic White	Male	25.4 (22.5, 28.5)	74.6 (71.5, 77.5)	7.3 (5.4, 9.8)	36.3 (33.2, 39.4)	56.5 (52.1, 60.7)
		Female	26.1 (24.1, 28.2)	73.9 (71.8, 75.9)	6.3 (4.8, 8.2)	39.6 (35.6, 43.7)	54.1 (50.4, 57.8)
	Non-Hispanic Black	Male	16.3 (14.1, 18.8)	83.7 (81.2, 85.9)	2.4 (1.5, 3.9)	27.9 (24.1, 32.0)	69.7 (65.4, 73.8)
		Female	16.0 (13.8, 18.6)	84.0 (81.4, 86.2)	2.4 (1.6, 3.7)	27.2 (23.8, 31.0)	70.4 (66.1, 74.3)
	Mexican American	Male	26.6 (24.5, 28.9)	73.4 (71.1, 75.5)	7.1 (5.4, 9.2)	39.2 (36.6, 41.8)	53.8 (50.7, 56.8)
		Female	28.1 (25.0, 31.3)	71.9 (68.7, 75.0)	7.6 (6.0, 9.7)	40.8 (36.3, 45.5)	51.5 (46.3, 56.7)