

American Journal of Human Genetics, Volume 93

Supplemental Data

Mutations in *SERPINB7*, Encoding a Member of the Serine Protease Inhibitor Superfamily, Cause Nagashima-type Palmoplantar Keratosis

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Supplemental Inventory

Supplemental Figures and Tables

Figure S1

Table S1

Figure S1. Skin manifestations of the probands KDex8 and KDex20.

KDex8: 38-year-old male



KDex20: 10-year-old female



Table S1: Primers for genomic DNA amplification and sequencing of *SERPINB7*

Exon # (Exon size)	Primers ^b	Primer sequences ^c	Amplicon size
Exon 2 (186 bp) ^a	Sense	TGATGATTACCTCCAAGGCTG	427 bp
	Antisense	AGATGTGACACCTTGTGCCTC	
Exon 3 (51 bp)	Sense	GGCAATTAGACACATTATTGGG	280 bp
	Antisense	TGAACTCCTGGGCTCCAGTC	
Exon 4 (117 bp)	Sense	AGATGTATGTGGCCTTGTGG	339 bp
	Antisense	GAAAGACACAAGCCTTGTTAG	
Exon 5 (118 bp)	Sense	TGAACCTTGAAATAAAGCAGTCG	328 bp
	Antisense	AGGAGGAGCTGTTCCCTGTATG	
Exon 6 (143 bp) ^a	Sense	AAAGGGCCTAGAAAGTGCTGGA	373 bp
	Antisense	CCTGCAAAGGAATACGATTGTGG	
Exon 7 (147 bp)	Sense	AAAATCTGCAGGGTCAACTG	377 bp
	Antisense	TCTCTAGTATCTCAATACCCTGAAATC	
Exon 8 (337 bp) -1	Sense	GAACACAAATATCCAGGAAGCG	570 bp
	Antisense	GACTTGTGGTGGTTCTTGATG	
Exon 8 (337 bp) -2	Sense	GTTCAGAGCTGACCACCCATTC	489 bp
	Antisense	GCAGGGCTTATTCCTAGATTG	

^aOnly the sense primer is available for direct sequencing.

^bPrimers were designed from the flanking intron sequences except for the antisense primer for exon 8-1 and primers for exon 8-2.

^cPrimers were used for amplification and direct Sanger sequencing.

Abbreviation: bp = base pair.