

Title: Spastic Paraplegia 7 GeneReview Table 3

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Date: October 2010

Note: The following information is provided by the authors and has not been reviewed by *GeneReviews* staff.

Table 3. Primers used in Molecular Genetic Testing for SPG7

SPG7 Exon	Forward Primer 5'→3'	Reverse Primer 5'→3'	Conditions			Size of PCR Products
			Temperature (°C)	MgCl ₂	DMSO	
Exon 1	ATCACGCAGGCGCGGCTTTCAG	CTGGGCCTTAACAGAGCAGA	58	2	10%	271
Exon 2	GTTGGTGTGACCTCCAGTATTG	CTGAGAGGCGGTAAAGTGTGC	52	2	—	197
Exon 3	TGTTGTCCTGTATGCCTCCC	CATCCAGAGGCAGCTACTGA	57	1.5	—	202
Exon 4a	CCGTGTCTGTTGCTCATGTG	CCAGGGTGCAGGTAGACTTC	56	2	—	273
Exon 4b	CGACTTTGTCCACGAGATG	GCTGCCAGCCTGTGCCCA	54	2	10%	165
Exon 5	GTAGGGTTGCTCGTCTGTC	AGCCAAGTTAGGTTTAGTTCA	54	2	—	244
Exon 6	TGTGCCTGCCTCTCTTTCTT	ACCAGAAAGAGTTCAGAGAGC	54	2	—	169
Exon 7	CCAGCTCCTTGCACTTTGTT	CCTCTGCTCACACCTCCCT	56	1.5	—	205
Exon 8	AGTGTTGCATTGTCTGCTGC	ATGTGTGAAAGGAGCCAGGT	56	2	—	252
Exon 9	CTGCCCATTTCTGATTCTC	ACCTCCTCTGATGGTGCAAT	56	1.5	—	257
Exon 10	GCAGGGGAAATCTGTTGTGTC	CACCAAGAAGTGTCTTAGAG	54	2	—	281
Exon 11	CGACTGTCTTTCTCCCTGGT	GCCTCGATGCTGTTTGCG	54	2	—	211
Exon 12	CACACCGTGGCTGTTTGTG	CTGGGTATTTCTGGGGTTCA	56	1.5	—	202
Exon 13	CCACCGCGCCCAACTCATAC	GGACTCCCCACCCACCTTTG	61	1.5	—	215
Exon 14	CATCCTGCCTACTGACCTGG	AAGGAGTCATGCAGGGAAAA	61	1.5	—	250
Exon 15	TCTGCGCCTGCAGTGCTGA	CCTTGTGTGGTAGACCCA	56	1.5	—	286
Exon 16	CTTTGGTGCTGGAGCCAGG	GACCGTGGGTGCTGTGTGG	61	1.5	10%	200
Exon 17 (last)	ACATGCATATGCCTGTTCTTT	CTCAGCTGAAAAGCAACTCAG	57	1.5	—	312

G Casari, unpublished data. Primers are described in McDermott et al [2001].

McDermott CJ, Dayaratne RK, Tomkins J, Lusher ME, Lindsey JC, Johnson MA, Casari G, Turnbull DM, Bushby K, Shaw PJ. Paraplegin gene analysis in hereditary spastic paraparesis (HSP) pedigrees in northeast England. *Neurology*. 2001; 56: 467-71.