



Liste des gènes étudiés en diagnostic moléculaire avec le panel spécifique aux paraplégies spastiques héréditaires

Gène	N° SPG (ou syndrome associé)	Transmission	Références (selon Lo Giudice <i>et al.</i> , Exp Neurol. 2014)	N° Gène OMIM
<i>ABCD1</i>	aucun n° SPG	X	Mosser J <i>et al.</i> , Nature 1993	300371
<i>ALDH18A1</i>	SPG9	AD et AR	Coutelier M <i>et al.</i> , Brain 2015	138250
<i>ALS2</i>	aucun n° SPG	AR	Wakil SM <i>et al.</i> , Gene 2014	606352
<i>AP4B1</i>	SPG47	AR	Bauer P <i>et al.</i> , Neurogenetics 2012	607245
<i>AP5Z1</i>	SPG48	AR	Slabicki M <i>et al.</i> , PLoS Biol. 2010	613653
<i>ATL1</i>	SPG3A	AD	Zhao X <i>et al.</i> , Nature Genet. 2001	606439
<i>B4GALT1</i>	SPG26	AR	Boukhris A <i>et al.</i> , Am. J. Hum. Genet. 2013	601873
<i>BCD2</i>	aucun n° SPG	AD	Novarino G <i>et al.</i> , Science 2014	609797
<i>BCL2L</i>	SPG17	AD	Windpassinger C <i>et al.</i> , Nature Genet. 2004	606158
<i>CAPN1</i>	SPG76	AR	Gan-Or Z <i>et al.</i> , Am. J. Hum. Genet. 2016	114220
<i>CPT1C</i>	SPG73	AD	Rinaldi C <i>et al.</i> , JAMA Neurol. 2015	608846
<i>CYP2U1</i>	SPG56	AR	Tesson C <i>et al.</i> , Am. J. Hum. Genet. 2012	610670
<i>CYP7B1</i>	SPG5A	AR	Tsaousidou M <i>et al.</i> , Am. J. Hum. Genet. 2008	603711
<i>DDHD1</i>	SPG28	AR	Tesson C <i>et al.</i> , Am. J. Hum. Genet. 2012	614603
<i>DDHD2</i>	SPG54	AR	Schuurs-Hoeijmakers JHM <i>et al.</i> , Am. J. Hum. Genet. 2012	615003
<i>ENTPD1</i>	SPG64	AR	Novarino G <i>et al.</i> , Science 2014	601752
<i>ERLIN1</i>	SPG62	AR	Novarino G <i>et al.</i> , Science 2014	611604
<i>ERLIN2</i>	SPG18	AR	Alazami A <i>et al.</i> , Neurogenetics 2011	611605
<i>FA2H</i>	SPG35	AR	Dick KJ <i>et al.</i> , Hum. Mutat. 2010	611026
<i>GBA2</i>	SPG46	AR	Martin E <i>et al.</i> , Am. J. Hum. Genet. 2013.	609471
<i>HSPD1</i>	SPG13	AD	Hansen JJ <i>et al.</i> , Am. J. Hum. Genet. 2002	118190
<i>IBA57</i>	SPG74	AR	Lossos A <i>et al.</i> , Neurology 2015	616451
<i>KIF1A</i>	SPG30	AD et AR	Erlich Y <i>et al.</i> , Genome Res. 2011	601255
<i>KIF1C</i>	SPG58	AR	Novarino G <i>et al.</i> , Science 2014	603060
<i>KIF5A</i>	SPG10	AD	Reid E <i>et al.</i> , Am. J. Hum. Genet. 2002	602821
<i>L1CAM</i>	SPG1	X	Jouet M <i>et al.</i> , Nature Genet. 1994	308840
<i>MARS</i>	SPG70	AR	Novarino G <i>et al.</i> , Science 2014	156560
<i>NIPA1</i>	SPG6	AD	Rainier S <i>et al.</i> , Am. J. Hum. Genet. 2003	608145
<i>PLP1</i>	SPG2	X	Saugier-Bever P <i>et al.</i> , Nature Genet. 1994	300401
<i>PNPLA6</i>	SPG39	AR	Rainier S <i>et al.</i> , Am. J. Hum. Genet. 2008	603197
<i>REEP1</i>	SPG31	AD	Zuchner S <i>et al.</i> , Am. J. Hum. Genet. 2006	609139
<i>REEP2</i>	SPG72	AD et AR	Esteves T <i>et al.</i> , Am. J. Hum. Genet. 2014	609347
<i>SACS</i>	ARSACS	AR	Engert JC <i>et al.</i> , Nature Genet. 2000	604490
<i>SETX</i>	Juvenile Amyotrophic Lateral Sclerosis 4	AD et AR	Chen YZ <i>et al.</i> , Am. J. Hum. Genet. 2004	608465
<i>SLC33A1</i>	SPG42	AD	Lin P <i>et al.</i> , Am. J. Hum. Genet. 2008	603690
<i>SPART/SPG20</i>	SPG20	AR	Patel H <i>et al.</i> , Nature Genet. 2002	607111
<i>SPAST</i>	SPG4	AD	Hazan J <i>et al.</i> , Nature Genet. 1999	604277
<i>SPG11</i>	SPG11	AR	Stevanin G <i>et al.</i> , Nature Genet. 2007	610844
<i>SPG21</i>	SPG21	AR	Simpson MA <i>et al.</i> , Am. J. Hum. Genet. 2003	248900
<i>SPG7</i>	SPG7	AD et AR	Casari G <i>et al.</i> , Cell 1998	602783
<i>UBAP1</i>	SPG80	AD	Farazi Fard MA <i>et al.</i> , Am J Hum Genet 2019	618418
<i>VCP</i>	aucun n° SPG	AD	de Bot ST <i>et al.</i> , Brain 2012	601023
<i>WASHC5/KIAA0196</i>	SPG8	AD	Valdmanis PN <i>et al.</i> , Am. J. Hum. Genet. 2007	610657
<i>ZFYVE26</i>	SPG15	AR	Hanein S <i>et al.</i> , Am. J. Hum. Genet. 2008	612012

Transmission : AD : autosomique dominant ; AR : autosomique récessive ; X : liée au chromosome X.