

Supplemental Digital Content, Table 1. Investigated Genes with Significant Association to SSNHL

Gene	Polymorphism	# Total Studies	Supporting Studies	Non-Supporting Studies
<i>APOE</i> [†]	-	1	Hamidi 2019	
<i>ARNTL</i>	-	1	Yang 2015	
<i>CFH</i> [*]	rs1061170	1	Nishio 2012	
<i>CLOCK</i>	-	1	Yang 2015	
<i>CRY1</i>	-	1	Yang 2015	
<i>CRY2</i>	-	1	Yang 2015	
<i>CSNK1E</i>	-	1	Yang 2015	
<i>DNMT1</i> [‡]	rs2228611	1	Yildiz 2017	
	rs2228612	1		
<i>EDNI</i> [*]	rs5370	1	Uchida 2013	
<i>FCRL3</i> [‡]	rs7528684	1	Liu 2015	
	rs3761959	1		
	rs7522061	1		
<i>F2</i> [*]	rs179963	12	Patscheke 2001, Capaccio 2007, Capaccio 2009	Gorur 2005, Marcucci 2005, Cadoni 2006, Yildiz 2008, Ballesteros 2009, Fusconi 2011, Lan 2011, Mosnier 2011, Tripodi 2014
<i>F5</i> [*]	rs6025	12	Gorur 2005, Capaccio 2007, Capaccio 2009	Rudack 2004, Gorur 2005, Marcucci 2005, Cadoni 2006, Yildiz 2008, Ballesteros 2009, Fusconi 2011, Lan 2011, Mosnier 2011
<i>GJB2</i>	c.109G>A	1	Chen 2016	
<i>GRHL2</i> [†]	rs611419	1	Lin 2016	
	rs10955255	1		
<i>GSR</i> [*]	rs2251780	1	Kitoh 2017	
	rs3779647	1		
<i>GSTP1</i> [*]	rs1695	1	Kitoh 2016	
<i>GPX3</i> [†]	rs3805435	1	Chien 2017	
<i>HLA-DRB1</i>	-	3	Yeo 2000, Amor-Dorado 2005	Yeo 2001
<i>HSPA1A</i> [†]	rs2075800	1	Lin 2016	
<i>ICAMI</i> [*]	rs5498	1	Tian 2018	
<i>IL1A</i> [*]	rs1800587	1	Furuta 2011	
<i>IL1B</i> [*]	rs1143627	1	Um 2013	
	rs16944	2	Um 2013	Furuta 2011
<i>IL4R</i> [*]	rs180275	1	Nam 2006	
<i>IL6</i> [*]	rs1800795	1	Cadoni 2015	
	rs1800796	2	Hiramatsu 2012, Tian 2018	
<i>ITGA2</i> [*]	rs1126643	4	Rudack 2004, Rudack 2006, Ballesteros 2012	Weiss 2014

<i>ITGB3*</i>	rs5918	5	Capaccio 2007, Capaccio 2009	Rudack 2004, Ballesteros 2012, Tripodi 2014
<i>LTA</i>	rs905253	1	Um 2010	
<i>MIF</i>	rs755622	1	Yazdani 2015, Zhu 2019	
<i>MMP1*</i>	rs1799750	1	Nam 2011	
<i>MTHFR*</i>	rs1801133	14	Capaccio 2005, Capaccio 2005, Capaccio 2007, Yildiz 2008, Braverman 2009, Capaccio 2009, Uchida 2010, Fusconi 2011, Hamidi 2019	Rudack 2004, Cadoni 2006, Gross 2006, Lee 2010, Tripodi 2014
	rs1801131	6	Capaccio 2005, Capaccio 2005, Capaccio 2007, Capaccio 2009,	Gross 2006, Tripodi 2014
<i>MTR</i>	rs1805087	2	Gross 2006	Teranishi 2013
<i>NOS3*</i>	rs1799983	4	Fatini 2005, Teranishi 2013, Kitoh 2017, Yazdani 2018	
<i>NR3C1</i>	rs4912910	1	Kitoh 2017	
<i>PDE4D*</i>	rs702553	1	Chien 2016	
<i>PER1</i>	-	1	Yang 2015	
<i>PIK3CD</i>	C896T	1	Zou 2016	
<i>PRKCH*</i>	rs2230500	2	Uchida 2011, Kitoh 2016	
<i>SERPINE1†</i>	rs1799889	3	Cho 2012	Rudack 2004, Yildiz 2008
<i>SLC40A1*</i>	rs11568351	1	Castiglione 2015	
<i>SOD1*</i>	rs4998557	1	Kitoh 2016	
<i>TLR2, 3, 4, 7, 8, 9</i>	-	1	Yang 2015	
<i>UCP2*</i>	rs660339	1	Koide 2018	

* Denotes genes suggested to have an increased risk of SSNHL

† Denotes genes suggested to have a decreased risk of SSNHL

‡ Denotes genes for which at least one polymorphism was found to have an increased risk of SSNHL while another polymorphism was found to have a decreased risk of SSNHL