

Supplemental Digital Content, Table 5. SSNHL Gene Literature Review Study Features

First Author	Year	Study Design	Population	# SSNHL Subjects	Males	Females	Mean Age ± SD	Investigated Genes
Amor-Dorado J	2005	Case control	Spanish	33	14	19	50 ± 19	<i>HLA-DRB1, HLA-DQB1</i>
Ballesteros F	2012	Case control	Spanish	118	63	55	52 ± 14	<i>ITGA2, ITGB3</i>
Ballesteros F	2009	Case control	German	99	50	49	51.69 ± 16.4	<i>F2, F5</i>
Braverman	2009	Case report	Israeli	1	0	1	53	<i>MTHFR</i>
Cadoni G	2006	Case control	Italian	48	28	20	48	<i>F2, F5, MTHFR</i>
Cadoni G	2015	Case control	Italian	87	39	48	50.3 ± 14.8	<i>IL6, CCL2, SELE</i>
Cadoni G	2006	Case control	Italian	80	41	39	50.5	<i>GSTM1, GSTT1</i>
Capaccio P	2009	Cross-sectional	Italian	10	4	6	57.3 ± 9.1	<i>F2, F5, MTHFR, ITGB3</i>
Capaccio P	2005	Case control	Italian	67	40	27	53.6 ± 11.3	<i>MTHFR</i>
Capaccio P	2005	Case control	Italian	45	21	24	48.5 ± 14.9	<i>MTHFR</i>
Capaccio P	2007	Case control	Italian	100	56	44	48.12 ± 14.6	<i>F2, F5, MTHFR, ITGB3</i>
Castiglione A	2015	Case control	Italian	200	96	104	63.65	<i>SLC40A1, TF, HFE, HAMP</i>
Chen K	2016	Case control	Chinese	50	24	26	44.7 ± 14.5	<i>GJB2, MT-RNR1</i>
Chien C	2017	Case control	Taiwanese	416	218	198	50.7 ± 14.8	<i>GPX3</i>
Chien CY	2016	Case control	Taiwanese	362	187	175	51.1 ± 14.6	<i>PDE4D</i>
Chien CY	2012	Case control	Taiwanese	160	86	74	51.6 ± 15.0	<i>HSPA1A, HSPA1L</i>
Cho SH	2012	Case control	Italian	103	49	54	54.9	<i>SERPINE1</i>
Fatini C	2005	Case control	Italian	80	41	39	44	<i>NOS3</i>
Furuta T	2011	Case control	Japanese	72	36	36	58.3 ± 14.0	<i>IL1A, IL1B</i>
Fusconi M	2011	Case control	Italian	40	17	23	52.28 ± 15.0	<i>F2, F5, MTHFR</i>
Gorur K	2005	Case control	Turkish	56	27	29	42.6 ± 18.2	<i>F2, F5</i>

Gross M	2006	Case control	Israeli	81	41	40	53.0 ± 13.0	<i>MTR, MTHFR</i>
Hamidi A	2019	Case control	Iranian	77	45	32	43.5 ± 14.7	<i>MTHFR, APOE</i>
Hiramatsu M	2012	Case control	Japanese	72	36	36	58.2 ± 1.3	<i>IL6, IL4R, TNF, VEGFA</i>
Kitoh R	2016	Case control	Japanese	192	94	98	56.4 ± 14.4	<i>SOD1, GSTP1, PRKCH</i>
Kitoh R	2017	Case control	Japanese	192	89	103	56.4 ± 14.3	<i>GSR, NOS3, NR3C1</i>
Koide Y	2018	Case control	Japanese	83	39	44	58.0 ± 14.2	<i>UCP2</i>
Kokotas	2008	Case report	Greek	1	1	0	23	<i>GJB2</i>
Lan MY	2011	Case control	Taiwanese	24	13	11	45	<i>F2, F5</i>
Lee EJ	2010	Case control	Korean	33	17	16	48.24 ± 14.5	<i>MTHFR</i>
Lin X	2016	Case control	Chinese	190	108	82	38.5 ± 4.8	<i>GRHL2</i>
Liu H	2015	Case control	Chinese	630	336	294	46.5 ± 6.8	<i>FCRL3</i>
Marcucci R	2005	Case control	Italian	155	67	88	54	<i>F2, F5</i>
Mosnier I	2011	Case control	French	95	42	53	50.1 ± 2.81	<i>F2, F5</i>
Nam S	2011	Case control	Korean	99	45	54	51.37 ± 17.54	<i>MMP1</i>
Nam S	2006	Case control	Korean	97	43	54	NR	<i>IL4R</i>
Nishio N	2013	Case control	Japanese	86	32	54	54.4 ± 15.3	<i>AQP4, AQP5, ESRI</i>
Nishio N	2012	Case control	Japanese	72	36	36	58.3 ± 14	<i>CFH</i>
Patscheke JH	2001	Case control	German	118	68	50	45.5	<i>F2</i>
Rudack C	2006	Case control	German	142	77	65	51.2 ± 17.2	<i>ITGA2</i>
Rudack C	2004	Case control	German	85	43	42	52.1	<i>ITGA2, F2, F5, ITGB3, SERPINE1, MTHFR</i>
Seker Yildiz K	2017	Case control	Turkish	90	53	37	44.6 ± 12.07	<i>DNMT1</i>
Teranishi M	2013	Case control	Japanese	83	39	44	58.0 ± 14.2	<i>NOS3, MTR, MTRR, MTNR1B, CYBA, MT-ND2</i>
Teranishi M	2012	Case control	Japanese	84	38	46	58.2 ± 14.3	<i>GPX1, PON1, PON2, SOD2</i>
Tian G	2018	Case control	Chinese	75	39	36	50.7 ± 16.7	<i>IL6, ICAM1</i>

Tripodi A	2014	Case control	Italian	41	26	15	44	<i>F2, F5, MTHFR, ITGB3</i>
Uchida Y	2010	Case control	Japanese	33	19	14	61.6 ± 1.6	<i>MTHFR</i>
Uchida Y	2013	Case control	Japanese	72	36	36	58.3 ± 14.0	<i>EDN1</i>
Uchida Y	2011	Case control	Japanese	33	19	14	61.6 ± 9.3	<i>PRKCH</i>
Um JY	2010	Case control	Korean	97	63	34	48.3 ± 17.2	<i>TNF, LTA</i>
Um JY	2013	Case control	Korean	102	66	36	48.74 ± 17.21	<i>IL1B</i>
Um JY	2011	Case control	Korean	98	63	35	48.3 ± 17.2	<i>CYP1A1, GSTM1, GSTT1</i>
Varga L	2019	Case report	Slovakia	1	0	1	10	<i>GJB2</i>
Weiss D	2014	Case control	German	127	65	62	53.3 ± 17.1	<i>ITGA2</i>
Yang CH	2015	Case control	Taiwanese	38	21	17	51.39 ± 18.24	<i>PER1, CRY1, CRY2, CLOCK, ARNTL, CSNK1E</i>
Yang CH	2015	Case control	Taiwanese	36	21	15	50.94 ± 18.62	<i>TLR2, TLR3, TLR4, TLR7, TLR8, TLR9</i>
Yazdani N	2018	Case control	Iranian	77	45	32	43.5 ± 14.7	<i>NOS3, VDR</i>
Yazdani N	2015	Case control	Iranian	77	45	32	43.5 ± 14.7	<i>MIF</i>
Yeo SW	2001	Case control	Korean	41	24	17	49.2	<i>HLA-DRB1, HLA-DQB1, HLA-DQA1, HLA-DPB1</i>
Yeo SW	2000	Case control	Korean	35	22	13	52.7	<i>HLA-DRB1</i>
Yildiz Z	2008	Case control	Turkish	53	30	23	4 - 63	<i>F2, F5, MTHFR, SERPINE1</i>
Zhu WY	2019	Case control	Chinese	120	69	51	57	<i>MIF</i>
Zou J	2016	Case report	Chinese	1	1	0	45	<i>PIK3CD</i>

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