

Suppl Table 1 ADH GWAS results.xlsx

SNP	Position	Gene	Trait	Pvalue	OddsRatio	Population	First Author	Year	PMID/bioRxiv
rs10031423	94,662,676	<i>PDLIM5</i>	AD (DSMIV)	2.01E-08		Eur	Gelernter	2014	24166409
rs149127347	98,179,856		Consumption	4.42E-09		UKB	Clarke	2017	28937693
rs193099203	98,708,866		Consumption	3.78E-25		UKB	Clarke	2017	28937693
rs58521602	99,009,589	<i>METAP1</i>	AD (DSMIV)	3.35E-08		AA	Gelernter	2014	24166409
rs58521602	99,009,589	<i>METAP1</i>	AD (DSMIV)	3.35E-08		Eur+AA meta	Gelernter	2014	24166409
rs139164451	99,064,200		AD (DSMIV)	5.13E-09		AA	Gelernter	2014	24166409
rs139164451	99,064,200		AD (DSMIV)	5.13E-09		Eur+AA meta	Gelernter	2014	24166409
rs29001570	99,073,254	<i>ADH5</i>	Consumption	9.58E-19		UKB	Clarke	2017	28937693
rs1312200	99,091,206		AD (DSMIV)	3.93E-08	1.67 (1.39–2.01)	Korean	Park	2013	23456092
rs28470942	99,103,864		AD (DSMIV)	1.91E-11		AA	Gelernter	2014	24166409
rs28470942	99,103,864		AD (DSMIV)	1.91E-11		Eur+AA meta	Gelernter	2014	24166409
rs28542574	99,122,782		AD (DSMIV)	3.62E-11		AA	Gelernter	2014	24166409
rs28542574	99,122,782		AD (DSMIV)	3.62E-11		Eur+AA meta	Gelernter	2014	24166409
rs4148888	99,133,041	<i>ADH4</i>	AD (DSMIV)	7.94E-08	1.65 (1.37–1.99)	Korean	Park	2013	23456092
rs4148887	99,134,711	<i>ADH4</i>	AD (DSMIV)	1.22E-07	1.64 (1.36–1.98)	Korean	Park	2013	23456092
rs3805322	99,135,847	<i>ADH4</i>	AD (DSMIV)	2.01E-13	1.92 (1.60–2.29)	Korean	Park	2013	23456092
rs4140388	99,144,583	<i>ADH4</i>	AD (DSMIV)	1.33E-07	1.64 (1.36–1.98)	Korean	Park	2013	23456092
rs3762894	99,144,933	<i>ADH4</i>	AD (DSMIV)	1.49E-07	1.64 (1.36–1.97)	Korean	Park	2013	23456092
rs4148883	99,145,181		AD (DSMIV)	1.29E-07	1.64 (1.36–1.98)	Korean	Park	2013	23456092
rs116203444	99,146,962		AD (DSMIV)	2.46E-09		Eur	Gelernter	2014	24166409
rs116203444	99,146,962		AD (DSMIV)	2.46E-09		Eur+AA meta	Gelernter	2014	24166409
rs2051428	99,202,029		AD (DSMIV)	2.50E-10	1.84 (1.52–2.24)	Korean	Park	2013	23456092
rs3857224	99,208,528	<i>ADH6</i>	AD (DSMIV, DSMIIIR)	5.86E-07		AA	Walters	2018	bioRxiv: 257311
rs9995799	99,217,381	<i>ADH6</i>	AD (DSMIV)	4.54E-12	1.96 (1.61–2.38)	Korean	Park	2013	23456092
rs10008281	99,221,145		AD (DSMIV)	6.25E-12	1.95 (1.60–2.37)	Korean	Park	2013	23456092
rs12510722	99,225,944		AD (DSMIV)	7.87E-07	1.8 (1.42–2.28)	Korean	Park	2013	23456092
rs2173199	99,250,222		AD (DSMIV)	7.87E-07	1.8 (1.42–2.28)	Korean	Park	2013	23456092
rs6532814	99,252,811		AD (DSMIV)	7.87E-07	1.8 (1.42–2.28)	Korean	Park	2013	23456092
rs28864441	99,269,648		AD (DSMIV)	1.06E-12		AA	Gelernter	2014	24166409
rs28864441	99,269,648		AD (DSMIV)	1.06E-12		Eur+AA meta	Gelernter	2014	24166409
rs12512110	99,274,658		AD (DSMIV)	9.39E-08	2.08 (1.58–2.75)	Korean	Park	2013	23456092
rs3819197	99,279,352	<i>ADH1A</i>	AD (DSMIV)	1.12E-14	2.15 (1.76–2.63)	Korean	Park	2013	23456092
rs975833	99,280,582	<i>ADH1A</i>	AD (DSMIV)	1.12E-14	2.15 (1.76–2.63)	Korean	Park	2013	23456092
rs12508502	99,282,019	<i>ADH1A</i>	AD (DSMIV)	1.02E-07	2.08(1.57–2.74)	Korean	Park	2013	23456092
rs2276332	99,282,290	<i>ADH1A</i>	AD (DSMIV)	7.02E-08	2.10(1.59–2.78)	Korean	Park	2013	23456092
rs4147532	99,290,629	<i>ADH1A</i>	AD (DSMIV)	1.60E-09	2.11 (1.64–2.71)	Korean	Park	2013	23456092
rs4147531	99,291,040	<i>ADH1A</i>	AD (DSMIV)	1.45E-09	2.11 (1.64–2.71)	Korean	Park	2013	23456092
rs1693458	99,304,835		AD (DSMIV)	1.09E-09		AA	Gelernter	2014	24166409

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rs3133155	99,306,055	ADH1B	AD (DSMIV)	1.13E-09		AA	Gelernter	2014	24166409
rs2066702	99,307,860	ADH1B*3	AD (DSMIV)	2.24E-13		AA	Gelernter	2014	24166409
rs2066702	99,307,860	ADH1B*3	AD (DSMIV, DSMIIIR)	2.21E-09		AA	Walters	2018	bioRxiv: 257311
rs2066702	99,307,860	ADH1B*3	AD (DSMIV)	2.24E-13		Eur+AA meta	Gelernter	2014	24166409
rs2066702	99,307,860	ADH1B*3	AD (DSMIV, DSMIIIR)	2.21E-09		Eur+AA meta	Walters	2018	bioRxiv: 257311
rs2066702	99,307,860	ADH1B*3	Maxdrinks	2.50E-10		AA	Xu	2015	26036284
rs1789882	99,313,896	ADH1B	AD (DSMIV)	1.39E-09		AA	Gelernter	2014	24166409
rs1693457	99,315,605	ADH1B	AD (DSMIV)	1.51E-09		AA	Gelernter	2014	24166409
rs2075633	99,317,841	ADH1B	AD (DSMIV)	6.67E-14	2.11 (1.72–2.59)	Korean	Park	2013	23456092
rs1229984	99,318,162	ADH1B*2	AD (DSMIV)	2.91E-18		Eur	Gelernter	2014	24166409
rs1229984	99,318,162	ADH1B*2	AD (DSMIV, DSMIIIR)	9.79E-13		Eur	Walters	2018	bioRxiv: 257311
rs1229984	99,318,162	ADH1B*2	AD (DSMIV)	6.57E-10	0.34 (0.24, 0.48)	Eur+AA meta	Beirut	2012	21968928
rs1229984	99,318,162	ADH1B*2	AD (DSMIV)	6.03E-09	0.29 (0.10, 0.85)	Eur+AA meta	Beirut	2012	21968928
rs1229984	99,318,162	ADH1B*2	AD (DSMIV)	2.91E-18		Eur+AA meta	Gelernter	2014	24166409
rs1229984	99,318,162	ADH1B*2	AD (DSMIV, DSMIIIR)	2.80E-11		Eur+AA meta	Walters	2018	bioRxiv: 257311
rs1229984	99,318,162	ADH1B*2	AD (DSMIV)	2.63E-21	2.35 (1.95–2.84)	Korean	Park	2013	23456092
rs1229984	99,318,162	ADH1B*2	AUDIT-P	9.90E-46		Eur (23+UKB)	Sanchez-Roige	2018	bioRxiv: 275917
rs1229984	99,318,162	ADH1B*2	AUDIT-C	2.60E-56		Eur (23+UKB)	Sanchez-Roige	2018	bioRxiv: 275917
rs1229984	99,318,162	ADH1B*2	Maxdrinks	5.96E-15		Eur	Xu	2015	26036284
rs1229984	99,318,162	ADH1B*2	Maxdrinks	3.24E-13		Eur+AA meta	Beirut	2012	21968928
rs1229984	99,318,162	ADH1B*2	Maxdrinks	4.61E-07		Eur+AA meta	Beirut	2012	21968928
rs1229984	99,318,162	ADH1B*2	Consumption	1.91E-35	0.79 (0.74–0.84)	Eur Non-Hispanic	Jorgenson	2017	28485404
rs1229984	99,318,162	ADH1B*2	Drinker/non-drinker	4.35E-07	0.72 (0.59–0.85)	Hispanic/Latino	Jorgenson	2017	28485404
rs1229984	99,318,162	ADH1B*2	Drinker/non-drinker	2.47E-20	0.79 (0.74–0.84)	Eur Non-Hispanic	Jorgenson	2017	28485404
rs3811802	99,323,064		AD (DSMIV, DSMIIIR)	2.40E-08		Eur	Walters	2018	bioRxiv: 257311
rs3811802	99,323,064		AUDIT-P	5.30E-11		Eur (23+UKB)	Sanchez-Roige	2018	bioRxiv: 275917
rs145452708	99,327,485		Consumption	1.15E-30		UKB	Clarke	2017	28937693
rs2213042	99,328,053		AD (DSMIV)	1.49E-08		AA	Gelernter	2014	24166409
rs138495951	99,328,569		AUDIT total	5.70E-36		Eur (23+UKB)	Sanchez-Roige	2018	bioRxiv: 275917
rs1789891	99,329,262		AD (DSMIV)	1.64E-08		German	Treutlein	2017	28714907
rs1789891	99,329,262		AD (DSMIV)	1.27E-08	1.46 (1.28–1.67)	German	Frank	2010	22004471
rs2173201	99,329,813		AD (DSMIV)	2.39E-09		AA	Gelernter	2014	24166409
rs2173201	99,329,813		AD (DSMIV)	4.56E-07		Eur+AA meta	Gelernter	2014	24166409
rs1229863	99,331,229		AD (DSMIV, DSMIIIR)	7.80E-07		Eur	Walters	2018	bioRxiv: 257311
rs3114045	99,331,403		AUDIT total	6.50E-13		Eur (23+UKB)	Sanchez-Roige	2018	bioRxiv: 275917
rs58223772	99,335,008		AD (DSMIV)	3.46E-09		AA	Gelernter	2014	24166409
rs58223772	99,335,008		AD (DSMIV)	2.67E-07		Eur+AA meta	Gelernter	2014	24166409
rs1614972	99,336,998	ADH1C	AD (DSMIV)	2.70E-08		AA	Gelernter	2014	24166409

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rs3846449	99,337,969	ADH1C	AD (DSMIV)	1.14E-08		AA	Gelernter	2014	24166409
rs141973904	99,341,085	ADH1C	AUDIT total	4.40E-07		Eur	Sanchez-Roige	2017	29058377
rs141973904	99,341,085	ADH1C	AUDIT total	4.40E-07		Eur (23andMe)	Sanchez-Roige	2017	29058377
rs2009181	99,341,390	ADH1C	AD (DSMIV)	9.83E-09		AA	Gelernter	2014	24166409
rs2009181	99,341,390	ADH1C	AD (DSMIV)	9.27E-07		Eur+AA meta	Gelernter	2014	24166409
rs1789912	99,342,785	ADH1C	AD (DSMIV, DSMIIIR)	1.47E-09		Eur+AA meta	Walters	2018	bioRxiv: 257311
rs2241894	99,344,976	ADH1C	AD (DSMIV)	9.79E-09		AA	Gelernter	2014	24166409
rs2241894	99,344,976	ADH1C	AD (DSMIV)	9.20E-07		Eur+AA meta	Gelernter	2014	24166409
rs12639833	99,346,215	ADH1C	AD (DSMIV)	8.59E-09		AA	Gelernter	2014	24166409
rs12639833	99,346,215	ADH1C	AD (DSMIV)	8.57E-07		Eur+AA meta	Gelernter	2014	24166409
rs283412	99,346,515	ADH1C	AUDIT-C	4.10E-08		Eur (23+UKB)	Sanchez-Roige	2018	bioRxiv: 275917
rs3762896	99,346,974	ADH1C	AD (DSMIV)	3.86E-09		AA	Gelernter	2014	24166409
rs4147542	99,347,396	ADH1C	AD (DSMIV)	9.14E-09		AA	Gelernter	2014	24166409
rs35081954	99,349,662	ADH1C	Consumption	2.14E-09		UKB	Clarke	2017	28937693
rs6846835	99,350,990	ADH1C	AD (DSMIV)	9.51E-09		AA	Gelernter	2014	24166409
rs11936869	99,352,016	ADH1C	AD (DSMIV)	1.03E-08		AA	Gelernter	2014	24166409
rs4147541	99,353,000	ADH1C	AD (DSMIV)	1.06E-08		AA	Gelernter	2014	24166409
rs1789924	99,353,129		AD (DSMIV)	1.92E-07	1.3 (1.18–1.44)	German	Frank	2010	22004471
rs11499824	99,353,826		AD (DSMIV)	7.25E-09		AA	Gelernter	2014	24166409
rs10006545	99,356,275		AD (DSMIV)	4.21E-09		AA	Gelernter	2014	24166409
rs2851300	99,358,667		AD (DSMIV)	1.04E-07	1.31 (1.19–1.45)	German	Frank	2010	22004471
rs2851300	99,358,667		AD (DSMIV)	9.88E-10	2.88 (2.00–4.16)	Korean	Park	2013	23456092
rs10031168	99,360,736		AD (DSMIV)	4.57E-09		AA	Gelernter	2014	24166409
rs1154445	99,367,364		AD (DSMIV, DSMIIIR)	1.80E-07		Eur	Walters	2018	bioRxiv: 257311
rs6827898	99,374,706		AD (DSMIV, DSMIIIR)	5.21E-07		Eur	Walters	2018	bioRxiv: 257311
rs1372679	99,383,373		AD (DSMIV)	2.19E-07	2.47 (1.72–3.53)	Korean	Park	2013	23456092
rs894368	99,388,156		AD (DSMIV, DSMIIIR)	1.93E-08		Eur	Walters	2018	bioRxiv: 257311
rs4699748	99,400,286		AD (DSMIV)	2.51E-07	1.49 (1.28–1.73)	German	Frank	2010	22004471
rs4699748	99,400,286		AD (DSMIV)	1.69E-07	2.5 (1.74–3.59)	Korean	Park	2013	23456092
rs1442492	99,400,438		AD (DSMIV)	2.01E-16	2.22 (1.82–2.71)	Korean	Park	2013	23456092
rs994771	99,406,646		AD (DSMIV)	4.76E-11	1.92 (1.57–2.34)	Korean	Park	2013	23456092
rs284793	99,409,137		AD (DSMIV)	2.99E-12	1.98 (1.62–2.41)	Korean	Park	2013	23456092
rs729147	99,412,110	ADH7	AD (DSMIV)	3.84E-11	1.98 (1.61–2.45)	Korean	Park	2013	23456092
rs284787	99,412,399	ADH7	AD (DSMIV)	1.75E-15	2.07 (1.72–2.49)	Korean	Park	2013	23456092
rs894369	99,412,689	ADH7	AD (DSMIV)	3.84E-11	1.98 (1.61–2.45)	Korean	Park	2013	23456092
rs284785	99,414,429	ADH7	AD (DSMIV)	6.39E-12	1.95 (1.61–2.38)	Korean	Park	2013	23456092
rs284784	99,414,717	ADH7	AD (DSMIV)	2.43E-15	2.06 (1.71–2.48)	Korean	Park	2013	23456092