

Table S1. Group differences between CNV carriers and non-carriers on demographic variables. Age differences were tested using ANOVA and reported alongside mean differences. Sex and ethnicity differences were assessed using chi-squared tests. Mean difference values are shown only for age, with statistically significant values ($p < 0.05$). Significant results are highlighted in bold.

CNV	Variable	Test	p.value	Mean.Difference
1q21.1 distal deletion	Age	ANOVA	0.19	-1.046
1q21.1 distal deletion	Sex	Chi-squared	0.60	NA
1q21.1 distal deletion	Ethnicity	Chi-squared	0.26	NA
1q21.1 distal duplication	Age	ANOVA	0.30	-0.668
1q21.1 distal duplication	Sex	Chi-squared	1.00	NA
1q21.1 distal duplication	Ethnicity	Chi-squared	0.72	NA
15q11.2 deletion	Age	ANOVA	0.57	0.124
15q11.2 deletion	Sex	Chi-squared	0.01	NA
15q11.2 deletion	Ethnicity	Chi-squared	1.19E-08	NA
15q11.2 duplication	Age	ANOVA	0.04	-0.444
15q11.2 duplication	Sex	Chi-squared	0.11	NA
15q11.2 duplication	Ethnicity	Chi-squared	0.31	NA
15q13.3 CHRNA7 deletion	Age	ANOVA	0.64	-0.623
15q13.3 CHRNA7 deletion	Sex	Chi-squared	0.17	NA
15q13.3 CHRNA7 deletion	Ethnicity	Chi-squared	0.87	NA
15q13.3 CHRNA7 duplication	Age	ANOVA	0.64	-0.254
15q13.3 CHRNA7 duplication	Sex	Chi-squared	8.76E-09	NA
15q13.3 CHRNA7 duplication	Ethnicity	Chi-squared	0.03	NA
16p11.2 proximal deletion	Age	ANOVA	2.16E-06	-3.43
16p11.2 proximal deletion	Sex	Chi-squared	0.13	NA
16p11.2 proximal deletion	Ethnicity	Chi-squared	0.44	NA

16p11.2 proximal duplication	Age	ANOVA	0.83	0.15
16p11.2 proximal duplication	Sex	Chi-squared	0.59	NA
16p11.2 proximal duplication	Ethnicity	Chi-squared	0.04	NA
16p11.2 distal deletion	Age	ANOVA	0.03	-2.292
16p11.2 distal deletion	Sex	Chi-squared	0.14	NA
16p11.2 distal deletion	Ethnicity	Chi-squared	1.00	NA
16p11.2 distal duplication	Age	ANOVA	0.03	-1.729
16p11.2 distal duplication	Sex	Chi-squared	0.67	NA
16p11.2 distal duplication	Ethnicity	Chi-squared	0.25	NA
22q11.2 distal deletion	Age	ANOVA	0.45	-0.965
22q11.2 distal deletion	Sex	Chi-squared	0.09	NA
22q11.2 distal deletion	Ethnicity	Chi-squared	1.00	NA
22q11.2 distal duplication	Age	ANOVA	0.26	0.575
22q11.2 distal duplication	Sex	Chi-squared	0.28	NA
22q11.2 distal duplication	Ethnicity	Chi-squared	0.13	NA
22q11.2 proximal deletion	Age	ANOVA	0.02	-5.789
22q11.2 proximal deletion	Sex	Chi-squared	0.55	NA
22q11.2 proximal deletion	Ethnicity	Chi-squared	0.90	NA
22q11.2 proximal duplication	Age	ANOVA	3.53E-04	-1.708
22q11.2 proximal duplication	Sex	Chi-squared	0.06	NA
22q11.2 proximal duplication	Ethnicity	Chi-squared	0.02	NA

Table S2. Group differences in fluid intelligence and well-being between CNV carriers and non-carriers.

The table presents p-values from comparisons between carriers of CNVs and non-carriers on two outcome traits: fluid intelligence and well-being. Results are based on t-tests, with statistically significant values ($p < 0.05$) highlighted in bold.

Trait	CNV	p-value
Fluid Intelligence	1q21.1 distal deletion	0.03
Fluid Intelligence	1q21.1 distal duplication	0.13
Fluid Intelligence	15q11.2 deletion	2.58E-07
Fluid Intelligence	15q11.2 duplication	0.99
Fluid Intelligence	15q13.3 CHRNA7 deletion	0.52
Fluid Intelligence	15q13.3 CHRNA7 duplication	1.98E-05
Fluid Intelligence	16p11.2 proximal deletion	0.10
Fluid Intelligence	16p11.2 proximal duplication	1.14E-07
Fluid Intelligence	16p11.2 distal deletion	5.70E-04
Fluid Intelligence	16p11.2 distal duplication	0.06
Fluid Intelligence	22q11.2 distal deletion	0.32

Fluid Intelligence	22q11.2 distal duplication	0.47
Fluid Intelligence	22q11.2 proximal deletion	0.04
Fluid Intelligence	22q11.2 proximal duplication	1.05E-06
Well-being	1q21.1 distal deletion	0.71
Well-being	1q21.1 distal duplication	0.10
Well-being	15q11.2 deletion	0.49
Well-being	15q11.2 duplication	0.11
Well-being	15q13.3 CHRNA7 deletion	0.02
Well-being	15q13.3 CHRNA7 duplication	0.73
Well-being	16p11.2 proximal deletion	0.03
Well-being	16p11.2 proximal duplication	0.01
Well-being	16p11.2 distal deletion	0.00
Well-being	16p11.2 distal duplication	0.91
Well-being	22q11.2 distal deletion	0.11
Well-being	22q11.2 distal duplication	0.67
Well-being	22q11.2 proximal deletion	0.62
Well-being	22q11.2 proximal duplication	0.02

Table S3. ANOVA model summary for CNV-SES main and interaction effects on fluid intelligence. The table presents the results of separate ANOVA models examining the main effects of CNV carrier status and its interaction with socioeconomic status (SES) variables, with age, sex, and ethnicity included as covariates, influencing fluid intelligence: degrees of freedom (Df), sums of squares (Sum Sq), mean squares (Mean Sq), F values, raw p-values, and FDR-corrected p-values. Statistically significant values ($p < 0.05$) are highlighted in bold.

CNV	Variable	Term	Df	Sum Sq	Mean Sq	F value	p-value	FDR-corrected	Model
1q21.1 distal deletion	Work Status	DEL_1q21.1_distal	1	23.65	23.65	5.47	0.02	0.03	1
1q21.1 distal deletion	Work Status	work_0.0	6	10846	1807.67	417.86	0	0	1
1q21.1 distal deletion	Work Status	Age	1	649.04	649.04	150.03	1.77E-34	3.14E-34	1
1q21.1 distal deletion	Work Status	Sex	1	2265.55	2265.55	523.71	1.02E-115	2.17E-115	1
1q21.1 distal deletion	Work Status	Ethnicity	1	38204.34	38204.3	8831.31	0	0	1
1q21.1 distal deletion	Work Status	Interaction: DEL_1q21.1_distal:work_0.0	3	18.44	6.15	1.42	0.23	0.28	1
1q21.1 distal deletion	Work Status	Residuals	158010	683553.2	4.33	NA	NA	NA	1
1q21.1 distal duplication	Work Status	DUP_1q21.1_distal	1	16.86	16.86	3.9	0.05	0.06	2
1q21.1 distal duplication	Work Status	work_0.0	6	10866.64	1811.11	418.56	0	0	2
1q21.1 distal duplication	Work Status	Age	1	650.07	650.07	150.23	1.60E-34	2.88E-34	2
1q21.1 distal duplication	Work Status	Sex	1	2270.19	2270.19	524.65	6.36E-116	1.37E-115	2
1q21.1 distal duplication	Work Status	Ethnicity	1	38188.68	38188.7	8825.62	0	0	2
1q21.1 distal duplication	Work Status	Interaction: DUP_1q21.1_distal:work_0.0	5	29.01	5.8	1.34	0.24	0.29	2
1q21.1 distal duplication	Work Status	Residuals	158041	683847.6	4.33	NA	NA	NA	2
15q11.2 deletion	Work Status	DEL_15q11.2	1	104.51	104.51	24.17	8.82E-07	1.29E-06	3
15q11.2 deletion	Work Status	work_0.0	6	10902.48	1817.08	420.25	0	0	3
15q11.2 deletion	Work Status	Age	1	651.88	651.88	150.76	1.22E-34	2.25E-34	3
15q11.2 deletion	Work Status	Sex	1	2277.64	2277.64	526.76	2.21E-116	5.03E-116	3
15q11.2 deletion	Work Status	Ethnicity	1	38192.84	38192.8	8833.12	0	0	3
15q11.2 deletion	Work Status	Interaction: DEL_15q11.2:work_0.0	4	27.41	6.85	1.59	0.18	0.22	3
15q11.2 deletion	Work Status	Residuals	158399	684889.3	4.32	NA	NA	NA	3
15q11.2 duplication	Work Status	DUP_15q11.2	1	0.35	0.35	0.08	0.78	0.81	4
15q11.2 duplication	Work Status	work_0.0	6	10858.81	1809.8	418.26	0	0	4
15q11.2 duplication	Work Status	Age	1	648.37	648.37	149.84	1.94E-34	3.42E-34	4
15q11.2 duplication	Work Status	Sex	1	2274.6	2274.6	525.68	3.80E-116	8.59E-116	4
15q11.2 duplication	Work Status	Ethnicity	1	38239.41	38239.4	8837.53	0	0	4
15q11.2 duplication	Work Status	Interaction: DUP_15q11.2:work_0.0	6	18.01	3	0.69	0.65	0.70	4

15q11.2 duplication	Work Status	Residuals	158414	685447.2	4.33	NA	NA	NA	4
15q13.3 CHRNA7 deletion	Work Status	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	2.2	2.2	0.51	0.48	0.54	5
15q13.3 CHRNA7 deletion	Work Status	work_0.0	6	10849.73	1808.29	418	0	0	5
15q13.3 CHRNA7 deletion	Work Status	Age	1	651.26	651.26	150.54	1.37E-34	2.51E-34	5
15q13.3 CHRNA7 deletion	Work Status	Sex	1	2271.12	2271.12	524.99	5.39E-116	1.19E-115	5
15q13.3 CHRNA7 deletion	Work Status	Ethnicity	1	38201.97	38202	8830.66	0	0	5
15q13.3 CHRNA7 deletion	Work Status	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:work_0.0	3	6.56	2.19	0.51	0.68	0.72	5
15q13.3 CHRNA7 deletion	Work Status	Residuals	157995	683495.7	4.33	NA	NA	NA	5
15q13.3 CHRNA7 duplication	Work Status	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	86.86	86.86	20.08	7.43E-06	1.07E-05	6
15q13.3 CHRNA7 duplication	Work Status	work_0.0	6	10860.56	1810.09	418.44	0	0	6
15q13.3 CHRNA7 duplication	Work Status	Age	1	652.24	652.24	150.78	1.21E-34	2.25E-34	6
15q13.3 CHRNA7 duplication	Work Status	Sex	1	2268.69	2268.69	524.46	7.02E-116	1.50E-115	6
15q13.3 CHRNA7 duplication	Work Status	Ethnicity	1	38195.05	38195.1	8829.62	0	0	6
15q13.3 CHRNA7 duplication	Work Status	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:work_0.0	4	31.72	7.93	1.83	0.12	0.15	6
15q13.3 CHRNA7 duplication	Work Status	Residuals	158063	683747.1	4.33	NA	NA	NA	6
16p11.2 proximal deletion	Work Status	DEL_16p11.2_proximal	1	11.18	11.18	2.59	0.11	0.14	7
16p11.2 proximal deletion	Work Status	work_0.0	6	10857.21	1809.53	418.3	0	0	7
16p11.2 proximal deletion	Work Status	Age	1	648.23	648.23	149.85	1.94E-34	3.42E-34	7
16p11.2 proximal deletion	Work Status	Sex	1	2270.12	2270.12	524.77	6.00E-116	1.30E-115	7
16p11.2 proximal deletion	Work Status	Ethnicity	1	38170.85	38170.9	8823.75	0	0	7
16p11.2 proximal deletion	Work Status	Interaction: DEL_16p11.2_proximal:work_0.0	4	35.56	8.89	2.06	0.08	0.11	7
16p11.2 proximal deletion	Work Status	Residuals	158025	683604.1	4.33	NA	NA	NA	7
16p11.2 proximal duplication	Work Status	DUP_16p11.2_proximal	1	155.99	155.99	36.06	1.92E-09	2.85E-09	8
16p11.2 proximal duplication	Work Status	work_0.0	6	10841.68	1806.95	417.68	0	0	8
16p11.2 proximal duplication	Work Status	Age	1	647.6	647.6	149.69	2.10E-34	3.68E-34	8
16p11.2 proximal duplication	Work Status	Sex	1	2269.49	2269.49	524.6	6.54E-116	1.40E-115	8
16p11.2 proximal duplication	Work Status	Ethnicity	1	38197.67	38197.7	8829.49	0	0	8
16p11.2 proximal duplication	Work Status	Interaction: DUP_16p11.2_proximal:work_0.0	4	4.7	1.18	0.27	0.90	0.92	8
16p11.2 proximal duplication	Work Status	Residuals	158030	683661.1	4.33	NA	NA	NA	8
16p11.2 distal deletion	Work Status	DEL_16p11.2_distal	1	63.5	63.5	14.68	1.28E-04	1.76E-04	9
16p11.2 distal deletion	Work Status	work_0.0	6	10848.3	1808.05	417.95	0	0	9
16p11.2 distal deletion	Work Status	Age	1	649.5	649.5	150.14	1.68E-34	3.00E-34	9

16p11.2 distal deletion	Work Status	Sex	1	2271.42	2271.42	525.06	5.19E-116	1.15E-115	9
16p11.2 distal deletion	Work Status	Ethnicity	1	38203.75	38203.8	8831.15	0	0	9
16p11.2 distal deletion	Work Status	Interaction: DEL_16p11.2_distal:work_0.0	3	0.87	0.29	0.07	0.98	0.98	9
16p11.2 distal deletion	Work Status	Residuals	158000	683511.7	4.33	NA	NA	NA	9
16p11.2 distal duplication	Work Status	DUP_16p11.2_distal	1	11.46	11.46	2.65	0.10	0.13	10
16p11.2 distal duplication	Work Status	work_0.0	6	10861.18	1810.2	418.47	0	0	10
16p11.2 distal duplication	Work Status	Age	1	649.86	649.86	150.23	1.60E-34	2.88E-34	10
16p11.2 distal duplication	Work Status	Sex	1	2271.15	2271.15	525.03	5.27E-116	1.16E-115	10
16p11.2 distal duplication	Work Status	Ethnicity	1	38185.74	38185.7	8827.56	0	0	10
16p11.2 distal duplication	Work Status	Interaction: DUP_16p11.2_distal:work_0.0	4	14.85	3.71	0.86	0.49	0.55	10
16p11.2 distal duplication	Work Status	Residuals	158017	683541	4.33	NA	NA	NA	10
22q11.2 distal deletion	Work Status	DEL_22q11.2_distal	1	8.12	8.12	1.88	0.17	0.21	11
22q11.2 distal deletion	Work Status	work_0.0	6	10845.46	1807.58	417.82	0	0	11
22q11.2 distal deletion	Work Status	Age	1	651.15	651.15	150.51	1.39E-34	2.53E-34	11
22q11.2 distal deletion	Work Status	Sex	1	2270.55	2270.55	524.84	5.81E-116	1.26E-115	11
22q11.2 distal deletion	Work Status	Ethnicity	1	38196.24	38196.2	8829.03	0	0	11
22q11.2 distal deletion	Work Status	Interaction: DEL_22q11.2_distal:work_0.0	2	3.14	1.57	0.36	0.70	0.73	11
22q11.2 distal deletion	Work Status	Residuals	157993	683511	4.33	NA	NA	NA	11
22q11.2 distal duplication	Work Status	DUP_22q11.2_distal	1	2.58	2.58	0.6	0.44	0.51	12
22q11.2 distal duplication	Work Status	work_0.0	6	10858.75	1809.79	418.35	0	0	12
22q11.2 distal duplication	Work Status	Age	1	650.13	650.13	150.29	1.56E-34	2.83E-34	12
22q11.2 distal duplication	Work Status	Sex	1	2273.05	2273.05	525.44	4.29E-116	9.66E-116	12
22q11.2 distal duplication	Work Status	Ethnicity	1	38209.15	38209.2	8832.48	0	0	12
22q11.2 distal duplication	Work Status	Interaction: DUP_22q11.2_distal:work_0.0	4	18.86	4.71	1.09	0.36	0.42	12
22q11.2 distal duplication	Work Status	Residuals	158063	683777.8	4.33	NA	NA	NA	12
22q11.2 proximal deletion	Work Status	DEL_22q11.2_proximal	1	33.18	33.18	7.67	0.01	0.01	13
22q11.2 proximal deletion	Work Status	work_0.0	6	10843.69	1807.28	417.77	0	0	13
22q11.2 proximal deletion	Work Status	Age	1	649.5	649.5	150.14	1.68E-34	3.00E-34	13
22q11.2 proximal deletion	Work Status	Sex	1	2270.48	2270.48	524.84	5.80E-116	1.26E-115	13
22q11.2 proximal deletion	Work Status	Ethnicity	1	38195.06	38195.1	8829.08	0	0	13
22q11.2 proximal deletion	Work Status	Interaction: DEL_22q11.2_proximal:work_0.0	1	2.84	2.84	0.66	0.42	0.48	13
22q11.2 proximal deletion	Work Status	Residuals	157989	683468.7	4.33	NA	NA	NA	13
22q11.2 proximal duplication	Work Status	DUP_22q11.2_proximal	1	81.73	81.73	18.9	1.38E-05	1.96E-05	14
22q11.2 proximal duplication	Work Status	work_0.0	6	10841.44	1806.91	417.73	0	0	14

22q11.2 proximal duplication	Work Status	Age	1	652.45	652.45	150.84	1.18E-34	2.19E-34	14
22q11.2 proximal duplication	Work Status	Sex	1	2271.4	2271.4	525.11	5.05E-116	1.13E-115	14
22q11.2 proximal duplication	Work Status	Ethnicity	1	38165.32	38165.3	8823.24	0	0	14
22q11.2 proximal duplication	Work Status	Interaction: DUP_22q11.2_proximal:work_0.0	5	10.81	2.16	0.5	0.78	0.81	14
22q11.2 proximal duplication	Work Status	Residuals	158071	683743	4.33	NA	NA	NA	14
1q21.1 distal deletion	Education	DEL_1q21.1_distal	1	18.02	18.02	4.93	0.03	0.04	15
1q21.1 distal deletion	Education	educ_qual_0.0	5	59733.75	11946.8	3267.08	0	0	15
1q21.1 distal deletion	Education	Age	1	309.1	309.1	84.53	3.84E-20	5.87E-20	15
1q21.1 distal deletion	Education	Sex	1	3172.37	3172.37	867.55	4.46E-190	1.21E-189	15
1q21.1 distal deletion	Education	Ethnicity	1	38760.73	38760.7	10599.89	0	0	15
1q21.1 distal deletion	Education	Interaction: DEL_1q21.1_distal:educ_qual_0.0	4	6.12	1.53	0.42	0.80	0.82	15
1q21.1 distal deletion	Education	Residuals	135436	495250.3	3.66	NA	NA	NA	15
1q21.1 distal duplication	Education	DUP_1q21.1_distal	1	8.2	8.2	2.24	0.13	0.17	16
1q21.1 distal duplication	Education	educ_qual_0.0	5	59723.94	11944.8	3265.63	0	0	16
1q21.1 distal duplication	Education	Age	1	307.81	307.81	84.15	4.64E-20	6.99E-20	16
1q21.1 distal duplication	Education	Sex	1	3180.07	3180.07	869.41	1.76E-190	5.09E-190	16
1q21.1 distal duplication	Education	Ethnicity	1	38769.97	38770	10599.45	0	0	16
1q21.1 distal duplication	Education	Interaction: DUP_1q21.1_distal:educ_qual_0.0	5	18.82	3.76	1.03	0.40	0.46	16
1q21.1 distal duplication	Education	Residuals	135460	495476.6	3.66	NA	NA	NA	16
15q11.2 deletion	Education	DEL_15q11.2	1	111.89	111.89	30.61	3.16E-08	4.68E-08	17
15q11.2 deletion	Education	educ_qual_0.0	5	59810.94	11962.2	3272.34	0	0	17
15q11.2 deletion	Education	Age	1	307.38	307.38	84.09	4.80E-20	7.21E-20	17
15q11.2 deletion	Education	Sex	1	3183.31	3183.31	870.82	8.73E-191	2.57E-190	17
15q11.2 deletion	Education	Ethnicity	1	38786.64	38786.6	10610.36	0	0	17
15q11.2 deletion	Education	Interaction: DEL_15q11.2:educ_qual_0.0	5	13.81	2.76	0.76	0.58	0.63	17
15q11.2 deletion	Education	Residuals	135757	496265.7	3.66	NA	NA	NA	17
15q11.2 duplication	Education	DUP_15q11.2	1	0.3	0.3	0.08	0.77	0.81	18
15q11.2 duplication	Education	educ_qual_0.0	5	59859.76	11972	3273.39	0	0	18
15q11.2 duplication	Education	Age	1	315.46	315.46	86.25	1.61E-20	2.52E-20	18
15q11.2 duplication	Education	Sex	1	3187.66	3187.66	871.58	5.99E-191	1.78E-190	18
15q11.2 duplication	Education	Ethnicity	1	38845.54	38845.5	10621.21	0	0	18
15q11.2 duplication	Education	Interaction: DUP_15q11.2:educ_qual_0.0	5	29.45	5.89	1.61	0.15	0.19	18
15q11.2 duplication	Education	Residuals	135783	496606.7	3.66	NA	NA	NA	18
15q13.3 CHRNA7 deletion	Education	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	6.4	6.4	1.75	0.19	0.23	19

15q13.3 CHRNA7 deletion	Education	educ_qual_0.0	5	59705.51	11941.1	3265.49	0	0	19
15q13.3 CHRNA7 deletion	Education	Age	1	308.72	308.72	84.43	4.04E-20	6.16E-20	19
15q13.3 CHRNA7 deletion	Education	Sex	1	3176.35	3176.35	868.62	2.61E-190	7.32E-190	19
15q13.3 CHRNA7 deletion	Education	Ethnicity	1	38754.04	38754	10597.93	0	0	19
15q13.3 CHRNA7 deletion	Education	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:educ_qual_0.0	1	2.52	2.52	0.69	0.41	0.47	19
15q13.3 CHRNA7 deletion	Education	Residuals	135422	495205.3	3.66	NA	NA	NA	19
15q13.3 CHRNA7 duplication	Education	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	56.71	56.71	15.51	8.22E-05	1.14E-04	20
15q13.3 CHRNA7 duplication	Education	educ_qual_0.0	5	59756.77	11951.4	3268.29	0	0	20
15q13.3 CHRNA7 duplication	Education	Age	1	306.58	306.58	83.84	5.44E-20	8.14E-20	20
15q13.3 CHRNA7 duplication	Education	Sex	1	3174.25	3174.25	868.05	3.47E-190	9.48E-190	20
15q13.3 CHRNA7 duplication	Education	Ethnicity	1	38754.39	38754.4	10598.02	0	0	20
15q13.3 CHRNA7 duplication	Education	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:educ_qual_0.0	5	16.96	3.39	0.93	0.46	0.53	20
15q13.3 CHRNA7 duplication	Education	Residuals	135472	495388.4	3.66	NA	NA	NA	20
16p11.2 proximal deletion	Education	DEL_16p11.2_proximal	1	7.63	7.63	2.09	0.15	0.19	21
16p11.2 proximal deletion	Education	educ_qual_0.0	5	59713.01	11942.6	3265.78	0	0	21
16p11.2 proximal deletion	Education	Age	1	310.52	310.52	84.91	3.16E-20	4.95E-20	21
16p11.2 proximal deletion	Education	Sex	1	3175.23	3175.23	868.29	3.09E-190	8.48E-190	21
16p11.2 proximal deletion	Education	Ethnicity	1	38738.34	38738.3	10593.23	0	0	21
16p11.2 proximal deletion	Education	Interaction: DEL_16p11.2_proximal:educ_qual_0.0	5	25.99	5.2	1.42	0.21	0.26	21
16p11.2 proximal deletion	Education	Residuals	135446	495311.7	3.66	NA	NA	NA	21
16p11.2 proximal duplication	Education	DUP_16p11.2_proximal	1	75.34	75.34	20.6	5.65E-06	8.16E-06	22
16p11.2 proximal duplication	Education	educ_qual_0.0	5	59719.19	11943.8	3266.33	0	0	22
16p11.2 proximal duplication	Education	Age	1	310.34	310.34	84.87	3.23E-20	5.04E-20	22
16p11.2 proximal duplication	Education	Sex	1	3175.94	3175.94	868.54	2.73E-190	7.55E-190	22
16p11.2 proximal duplication	Education	Ethnicity	1	38757.97	38758	10599.29	0	0	22
16p11.2 proximal duplication	Education	Interaction: DUP_16p11.2_proximal:educ_qual_0.0	4	10.58	2.64	0.72	0.58	0.63	22
16p11.2 proximal duplication	Education	Residuals	135447	495283.3	3.66	NA	NA	NA	22
16p11.2 distal deletion	Education	DEL_16p11.2_distal	1	42.79	42.79	11.7	6.24E-04	8.56E-04	23
16p11.2 distal deletion	Education	educ_qual_0.0	5	59706.81	11941.4	3265.61	0	0	23
16p11.2 distal deletion	Education	Age	1	309.55	309.55	84.65	3.60E-20	5.57E-20	23
16p11.2 distal deletion	Education	Sex	1	3178.48	3178.48	869.22	1.94E-190	5.56E-190	23

16p11.2 distal deletion	Education	Ethnicity	1	38753.09	38753.1	10597.83	0	0	23
16p11.2 distal deletion	Education	Interaction: DEL_16p11.2_distal:educ_qual_0.0	3	6.2	2.07	0.57	0.64	0.68	23
16p11.2 distal deletion	Education	Residuals	135425	495208.7	3.66	NA	NA	NA	23
16p11.2 distal duplication	Education	DUP_16p11.2_distal	1	0.82	0.82	0.23	0.63	0.68	24
16p11.2 distal duplication	Education	educ_qual_0.0	5	59705.61	11941.1	3265.63	0	0	24
16p11.2 distal duplication	Education	Age	1	309.83	309.83	84.73	3.46E-20	5.38E-20	24
16p11.2 distal duplication	Education	Sex	1	3179.61	3179.61	869.55	1.64E-190	4.78E-190	24
16p11.2 distal duplication	Education	Ethnicity	1	38743.55	38743.6	10595.49	0	0	24
16p11.2 distal duplication	Education	Interaction: DUP_16p11.2_distal:educ_qual_0.0	4	9.07	2.27	0.62	0.65	0.69	24
16p11.2 distal duplication	Education	Residuals	135438	495243.4	3.66	NA	NA	NA	24
22q11.2 distal deletion	Education	DEL_22q11.2_distal	1	11.99	11.99	3.28	0.07	0.09	25
22q11.2 distal deletion	Education	educ_qual_0.0	5	59706.31	11941.3	3265.34	0	0	25
22q11.2 distal deletion	Education	Age	1	308.56	308.56	84.38	4.14E-20	6.29E-20	25
22q11.2 distal deletion	Education	Sex	1	3178.04	3178.04	869.04	2.13E-190	6.01E-190	25
22q11.2 distal deletion	Education	Ethnicity	1	38754.13	38754.1	10597.32	0	0	25
22q11.2 distal deletion	Education	Interaction: DEL_22q11.2_distal:educ_qual_0.0	1	0.95	0.95	0.26	0.61	0.66	25
22q11.2 distal deletion	Education	Residuals	135421	495231.3	3.66	NA	NA	NA	25
22q11.2 distal duplication	Education	DUP_22q11.2_distal	1	1.31	1.31	0.36	0.55	0.61	26
22q11.2 distal duplication	Education	educ_qual_0.0	5	59734.9	11947	3267.11	0	0	26
22q11.2 distal duplication	Education	Age	1	309.49	309.49	84.64	3.64E-20	5.61E-20	26
22q11.2 distal duplication	Education	Sex	1	3182.24	3182.24	870.24	1.17E-190	3.42E-190	26
22q11.2 distal duplication	Education	Ethnicity	1	38752.5	38752.5	10597.54	0	0	26
22q11.2 distal duplication	Education	Interaction: DUP_22q11.2_distal:educ_qual_0.0	5	2.72	0.54	0.15	0.98	0.99	26
22q11.2 distal duplication	Education	Residuals	135473	495390	3.66	NA	NA	NA	26
22q11.2 proximal deletion	Education	DEL_22q11.2_proximal	1	18.22	18.22	4.98	0.03	0.03	27
22q11.2 proximal deletion	Education	educ_qual_0.0	5	59707.18	11941.4	3265.55	0	0	27
22q11.2 proximal deletion	Education	Age	1	309.24	309.24	84.56	3.77E-20	5.79E-20	27
22q11.2 proximal deletion	Education	Sex	1	3177.91	3177.91	869.04	2.12E-190	6.01E-190	27
22q11.2 proximal deletion	Education	Ethnicity	1	38753.29	38753.3	10597.61	0	0	27
22q11.2 proximal deletion	Education	Residuals	135419	495199.6	3.66	NA	NA	NA	27
22q11.2 proximal duplication	Education	DUP_22q11.2_proximal	1	70.54	70.54	19.29	1.12E-05	1.60E-05	28
22q11.2 proximal duplication	Education	educ_qual_0.0	5	59718.43	11943.7	3266.52	0	0	28
22q11.2 proximal duplication	Education	Age	1	308.24	308.24	84.3	4.31E-20	6.51E-20	28
22q11.2 proximal duplication	Education	Sex	1	3175.94	3175.94	868.6	2.64E-190	7.36E-190	28

22q11.2 proximal duplication	Education	Ethnicity	1	38725.73	38725.7	10591.23	0	0	28
22q11.2 proximal duplication	Education	Interaction: DUP_22q11.2_proximal:educ_qual_0.0	5	19.55	3.91	1.07	0.37	0.44	28
22q11.2 proximal duplication	Education	Residuals	135481	495372.1	3.66	NA	NA	NA	28
1q21.1 distal deletion	Income	DEL_1q21.1_distal	1	25.73	25.73	6.39	0.01	0.02	29
1q21.1 distal deletion	Income	income_0.0	4	50651.95	12663	3147.49	0	0	29
1q21.1 distal deletion	Income	Age	1	1286.19	1286.19	319.69	2.04E-71	3.96E-71	29
1q21.1 distal deletion	Income	Sex	1	415.35	415.35	103.24	3.03E-24	4.78E-24	29
1q21.1 distal deletion	Income	Ethnicity	1	25676.69	25676.7	6382.15	0	0	29
1q21.1 distal deletion	Income	Interaction: DEL_1q21.1_distal:income_0.0	4	11.19	2.8	0.7	0.60	0.65	29
1q21.1 distal deletion	Income	Residuals	137982	555129.5	4.02	NA	NA	NA	29
1q21.1 distal duplication	Income	DUP_1q21.1_distal	1	1.63	1.63	0.41	0.52	0.58	30
1q21.1 distal duplication	Income	income_0.0	4	50678.36	12669.6	3148.42	0	0	30
1q21.1 distal duplication	Income	Age	1	1282.65	1282.65	318.74	3.28E-71	6.15E-71	30
1q21.1 distal duplication	Income	Sex	1	417.26	417.26	103.69	2.41E-24	3.93E-24	30
1q21.1 distal duplication	Income	Ethnicity	1	25652.12	25652.1	6374.6	0	0	30
1q21.1 distal duplication	Income	Interaction: DUP_1q21.1_distal:income_0.0	4	19.25	4.81	1.2	0.31	0.37	30
1q21.1 distal duplication	Income	Residuals	138007	555356	4.02	NA	NA	NA	30
15q11.2 deletion	Income	DEL_15q11.2	1	85.96	85.96	21.38	3.78E-06	5.47E-06	31
15q11.2 deletion	Income	income_0.0	4	50770.23	12692.6	3156.26	0	0	31
15q11.2 deletion	Income	Age	1	1288.19	1288.19	320.33	1.48E-71	2.90E-71	31
15q11.2 deletion	Income	Sex	1	419.49	419.49	104.31	1.76E-24	2.91E-24	31
15q11.2 deletion	Income	Ethnicity	1	25673.11	25673.1	6384.14	0	0	31
15q11.2 deletion	Income	Interaction: DEL_15q11.2:income_0.0	4	7.49	1.87	0.47	0.76	0.80	31
15q11.2 deletion	Income	Residuals	138314	556214	4.02	NA	NA	NA	31
15q11.2 duplication	Income	DUP_15q11.2	1	0.02	0.02	0	0.95	0.96	32
15q11.2 duplication	Income	income_0.0	4	50796.92	12699.2	3156.13	0	0	32
15q11.2 duplication	Income	Age	1	1295.54	1295.54	321.98	6.48E-72	1.28E-71	32
15q11.2 duplication	Income	Sex	1	416.25	416.25	103.45	2.72E-24	4.33E-24	32
15q11.2 duplication	Income	Ethnicity	1	25699.01	25699	6386.96	0	0	32
15q11.2 duplication	Income	Interaction: DUP_15q11.2:income_0.0	4	6.84	1.71	0.42	0.79	0.82	32
15q11.2 duplication	Income	Residuals	138339	556630	4.02	NA	NA	NA	32
15q13.3 CHRNA7 deletion	Income	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	3.61	3.61	0.9	0.34	0.40	33
15q13.3 CHRNA7 deletion	Income	income_0.0	4	50667.83	12667	3148.56	0	0	33

15q13.3 CHRNA7 deletion	Income	Age	1	1283.32	1283.32	318.99	2.90E-71	5.48E-71	33
15q13.3 CHRNA7 deletion	Income	Sex	1	417.44	417.44	103.76	2.33E-24	3.82E-24	33
15q13.3 CHRNA7 deletion	Income	Ethnicity	1	25673.82	25673.8	6381.62	0	0	33
15q13.3 CHRNA7 deletion	Income	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:income_0.0	4	12.24	3.06	0.76	0.55	0.61	33
15q13.3 CHRNA7 deletion	Income	Residuals	137969	555061.8	4.02	NA	NA	NA	33
15q13.3 CHRNA7 duplication	Income	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	73.52	73.52	18.28	1.91E-05	2.69E-05	34
15q13.3 CHRNA7 duplication	Income	income_0.0	4	50666.36	12666.6	3148.6	0	0	34
15q13.3 CHRNA7 duplication	Income	Age	1	1279.77	1279.77	318.12	4.47E-71	8.35E-71	34
15q13.3 CHRNA7 duplication	Income	Sex	1	416.07	416.07	103.42	2.76E-24	4.37E-24	34
15q13.3 CHRNA7 duplication	Income	Ethnicity	1	25668.02	25668	6380.44	0	0	34
15q13.3 CHRNA7 duplication	Income	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:income_0.0	3	4.31	1.44	0.36	0.78	0.81	34
15q13.3 CHRNA7 duplication	Income	Residuals	138026	555268.3	4.02	NA	NA	NA	34
16p11.2 proximal deletion	Income	DEL_16p11.2_proximal	1	13.52	13.52	3.36	0.07	0.09	35
16p11.2 proximal deletion	Income	income_0.0	4	50664.28	12666.1	3148.29	0	0	35
16p11.2 proximal deletion	Income	Age	1	1286.09	1286.09	319.67	2.06E-71	3.99E-71	35
16p11.2 proximal deletion	Income	Sex	1	416.73	416.73	103.58	2.55E-24	4.07E-24	35
16p11.2 proximal deletion	Income	Ethnicity	1	25645.72	25645.7	6374.53	0	0	35
16p11.2 proximal deletion	Income	Interaction: DEL_16p11.2_proximal:income_0.0	3	24.19	8.06	2	0.11	0.14	35
16p11.2 proximal deletion	Income	Residuals	137994	555171.4	4.02	NA	NA	NA	35
16p11.2 proximal duplication	Income	DUP_16p11.2_proximal	1	114.06	114.06	28.35	1.01E-07	1.49E-07	36
16p11.2 proximal duplication	Income	income_0.0	4	50652.9	12663.2	3147.6	0	0	36
16p11.2 proximal duplication	Income	Age	1	1287.71	1287.71	320.08	1.68E-71	3.29E-71	36
16p11.2 proximal duplication	Income	Sex	1	417.08	417.08	103.67	2.44E-24	3.95E-24	36
16p11.2 proximal duplication	Income	Ethnicity	1	25671.78	25671.8	6381.04	0	0	36
16p11.2 proximal duplication	Income	Interaction: DUP_16p11.2_proximal:income_0.0	3	0.99	0.33	0.08	0.97	0.98	36
16p11.2 proximal duplication	Income	Residuals	137998	555184.3	4.02	NA	NA	NA	36
16p11.2 distal deletion	Income	DEL_16p11.2_distal	1	70.69	70.69	17.57	2.77E-05	3.88E-05	37
16p11.2 distal deletion	Income	income_0.0	4	50640.4	12660.1	3146.85	0	0	37
16p11.2 distal deletion	Income	Age	1	1283.43	1283.43	319.02	2.86E-71	5.43E-71	37
16p11.2 distal deletion	Income	Sex	1	417.41	417.41	103.75	2.34E-24	3.82E-24	37
16p11.2 distal deletion	Income	Ethnicity	1	25677.55	25677.6	6382.53	0	0	37
16p11.2 distal deletion	Income	Interaction: DEL_16p11.2_distal:income_0.0	3	18.24	6.08	1.51	0.21	0.26	37

16p11.2 distal deletion	Income	Residuals	137973	555079.2	4.02	NA	NA	NA	37
16p11.2 distal duplication	Income	DUP_16p11.2_distal	1	11.81	11.81	2.94	0.09	0.11	38
16p11.2 distal duplication	Income	income_0.0	4	50665.92	12666.5	3148.63	0	0	38
16p11.2 distal duplication	Income	Age	1	1283.62	1283.62	319.08	2.76E-71	5.28E-71	38
16p11.2 distal duplication	Income	Sex	1	416.99	416.99	103.66	2.46E-24	3.95E-24	38
16p11.2 distal duplication	Income	Ethnicity	1	25661.07	25661.1	6378.82	0	0	38
16p11.2 distal duplication	Income	Interaction: DUP_16p11.2_distal:income_0.0	4	14.09	3.52	0.88	0.48	0.54	38
16p11.2 distal duplication	Income	Residuals	137990	555114	4.02	NA	NA	NA	38
22q11.2 distal deletion	Income	DEL_22q11.2_distal	1	6.46	6.46	1.61	0.20	0.25	39
22q11.2 distal deletion	Income	income_0.0	4	50654.56	12663.6	3147.68	0	0	39
22q11.2 distal deletion	Income	Age	1	1282.86	1282.86	318.87	3.07E-71	5.79E-71	39
22q11.2 distal deletion	Income	Sex	1	416.97	416.97	103.64	2.47E-24	3.96E-24	39
22q11.2 distal deletion	Income	Ethnicity	1	25670.4	25670.4	6380.65	0	0	39
22q11.2 distal deletion	Income	Interaction: DEL_22q11.2_distal:income_0.0	3	25.48	8.49	2.11	0.10	0.12	39
22q11.2 distal deletion	Income	Residuals	137968	555067.7	4.02	NA	NA	NA	39
22q11.2 distal duplication	Income	DUP_22q11.2_distal	1	0.49	0.49	0.12	0.73	0.76	40
22q11.2 distal duplication	Income	income_0.0	4	50663.08	12665.8	3148.42	0	0	40
22q11.2 distal duplication	Income	Age	1	1283.73	1283.73	319.11	2.73E-71	5.24E-71	40
22q11.2 distal duplication	Income	Sex	1	419.31	419.31	104.23	1.84E-24	3.03E-24	40
22q11.2 distal duplication	Income	Ethnicity	1	25670.23	25670.2	6381.04	0	0	40
22q11.2 distal duplication	Income	Interaction: DUP_22q11.2_distal:income_0.0	4	20.99	5.25	1.3	0.27	0.32	40
22q11.2 distal duplication	Income	Residuals	138025	555259.6	4.02	NA	NA	NA	40
22q11.2 proximal duplication	Income	DUP_22q11.2_proximal	1	67.1	67.1	16.68	4.42E-05	6.17E-05	41
22q11.2 proximal duplication	Income	income_0.0	4	50667.3	12666.8	3148.9	0	0	41
22q11.2 proximal duplication	Income	Age	1	1284.43	1284.43	319.3	2.47E-71	4.77E-71	41
22q11.2 proximal duplication	Income	Sex	1	416.99	416.99	103.66	2.45E-24	3.95E-24	41
22q11.2 proximal duplication	Income	Ethnicity	1	25645.37	25645.4	6375.29	0	0	41
22q11.2 proximal duplication	Income	Interaction: DUP_22q11.2_proximal:income_0.0	4	19.24	4.81	1.2	0.31	0.37	41
22q11.2 proximal duplication	Income	Residuals	138033	555254	4.02	NA	NA	NA	41
1q21.1 distal deletion	Townsend Index (Reversed)	DEL_1q21.1_distal	1	23.3	23.3	5.38	0.02	0.03	42
1q21.1 distal deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	15579.59	15579.6	3598.12	0	0	42
1q21.1 distal deletion	Townsend Index (Reversed)	Age	1	2952.95	2952.95	681.99	5.12E-150	1.30E-149	42
1q21.1 distal deletion	Townsend Index (Reversed)	Sex	1	2303.08	2303.08	531.9	1.70E-117	3.89E-117	42
1q21.1 distal deletion	Townsend Index (Reversed)	Ethnicity	1	32445.07	32445.1	7493.23	0	0	42

1q21.1 distal deletion	Townsend Index (Reversed)	Interaction: DEL_1q21.1_distal:Townsend index (reversed)	1	0.03	0.03	0.01	0.93	0.95	42
1q21.1 distal deletion	Townsend Index (Reversed)	Residuals	159288	689704.1	4.33	NA	NA	NA	42
1q21.1 distal duplication	Townsend Index (Reversed)	DUP_1q21.1_distal	1	17.18	17.18	3.97	0.05	0.06	43
1q21.1 distal duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	15608.55	15608.6	3604.09	0	0	43
1q21.1 distal duplication	Townsend Index (Reversed)	Age	1	2959.6	2959.6	683.39	2.55E-150	6.78E-150	43
1q21.1 distal duplication	Townsend Index (Reversed)	Sex	1	2305.74	2305.74	532.41	1.32E-117	3.07E-117	43
1q21.1 distal duplication	Townsend Index (Reversed)	Ethnicity	1	32422.36	32422.4	7486.48	0	0	43
1q21.1 distal duplication	Townsend Index (Reversed)	Interaction: DUP_1q21.1_distal:Townsend index (reversed)	1	14.97	14.97	3.46	0.06	0.08	43
1q21.1 distal duplication	Townsend Index (Reversed)	Residuals	159322	689989.5	4.33	NA	NA	NA	43
15q11.2 deletion	Townsend Index (Reversed)	DEL_15q11.2	1	101.1	101.1	23.36	1.34E-06	1.96E-06	44
15q11.2 deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	15617.93	15617.9	3608.66	0	0	44
15q11.2 deletion	Townsend Index (Reversed)	Age	1	2960.06	2960.06	683.95	1.92E-150	5.15E-150	44
15q11.2 deletion	Townsend Index (Reversed)	Sex	1	2311.54	2311.54	534.1	5.66E-118	1.40E-117	44
15q11.2 deletion	Townsend Index (Reversed)	Ethnicity	1	32436.19	32436.2	7494.67	0	0	44
15q11.2 deletion	Townsend Index (Reversed)	Interaction: DEL_15q11.2:Townsend index (reversed)	1	1.93	1.93	0.45	0.50	0.56	44
15q11.2 deletion	Townsend Index (Reversed)	Residuals	159676	691061.7	4.33	NA	NA	NA	44
15q11.2 duplication	Townsend Index (Reversed)	DUP_15q11.2	1	0	0	0	0.99	0.99	45
15q11.2 duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	15602.61	15602.6	3602.82	0	0	45
15q11.2 duplication	Townsend Index (Reversed)	Age	1	2940.59	2940.59	679.02	2.25E-149	5.59E-149	45
15q11.2 duplication	Townsend Index (Reversed)	Sex	1	2311.02	2311.02	533.64	7.13E-118	1.75E-117	45
15q11.2 duplication	Townsend Index (Reversed)	Ethnicity	1	32501.24	32501.2	7504.9	0	0	45
15q11.2 duplication	Townsend Index (Reversed)	Interaction: DUP_15q11.2:Townsend index (reversed)	1	1.42	1.42	0.33	0.57	0.62	45
15q11.2 duplication	Townsend Index (Reversed)	Residuals	159703	691620.9	4.33	NA	NA	NA	45
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	2.13	2.13	0.49	0.48	0.55	46
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	15576.92	15576.9	3597.5	0	0	46
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	Age	1	2957.28	2957.28	682.98	3.12E-150	8.19E-150	46
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	Sex	1	2306.3	2306.3	532.64	1.18E-117	2.83E-117	46
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	Ethnicity	1	32442.54	32442.5	7492.62	0	0	46
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:Townsend index (reversed)	1	0.03	0.03	0.01	0.94	0.96	46

15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	Residuals	159273	689641.5	4.33	NA	NA	NA	46
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	` DUP_15q13.3_BP4-BP5_CHRNA7`	1	85.68	85.68	19.79	8.65E-06	1.24E-05	47
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	15596.66	15596.7	3602.28	0	0	47
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	Age	1	2966.05	2966.05	685.05	1.11E-150	3.00E-150	47
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	Sex	1	2304.95	2304.95	532.36	1.35E-117	3.12E-117	47
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	Ethnicity	1	32431.8	32431.8	7490.59	0	0	47
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	Interaction: ` DUP_15q13.3_BP4-BP5_CHRNA7`:Townsend index (reversed)	1	6.07	6.07	1.4	0.24	0.29	47
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	Residuals	159342	689898.2	4.33	NA	NA	NA	47
16p11.2 proximal deletion	Townsend Index (Reversed)	DEL_16p11.2_proximal	1	10.88	10.88	2.51	0.11	0.14	48
16p11.2 proximal deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	15592.65	15592.7	3601.16	0	0	48
16p11.2 proximal deletion	Townsend Index (Reversed)	Age	1	2951.51	2951.51	681.66	6.04E-150	1.51E-149	48
16p11.2 proximal deletion	Townsend Index (Reversed)	Sex	1	2304.38	2304.38	532.2	1.46E-117	3.36E-117	48
16p11.2 proximal deletion	Townsend Index (Reversed)	Ethnicity	1	32413.25	32413.3	7485.92	0	0	48
16p11.2 proximal deletion	Townsend Index (Reversed)	Interaction: DEL_16p11.2_proximal:Townsend index (reversed)	1	3.24	3.24	0.75	0.39	0.45	48
16p11.2 proximal deletion	Townsend Index (Reversed)	Residuals	159304	689769.3	4.33	NA	NA	NA	48
16p11.2 proximal duplication	Townsend Index (Reversed)	DUP_16p11.2_proximal	1	169.78	169.78	39.21	3.81E-10	5.69E-10	49
16p11.2 proximal duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	15585.99	15586	3599.61	0	0	49
16p11.2 proximal duplication	Townsend Index (Reversed)	Age	1	2951.69	2951.69	681.7	5.92E-150	1.49E-149	49
16p11.2 proximal duplication	Townsend Index (Reversed)	Sex	1	2305.9	2305.9	532.55	1.23E-117	2.89E-117	49
16p11.2 proximal duplication	Townsend Index (Reversed)	Ethnicity	1	32436.13	32436.1	7491.18	0	0	49
16p11.2 proximal duplication	Townsend Index (Reversed)	Interaction: DUP_16p11.2_proximal:Townsend index (reversed)	1	2.34	2.34	0.54	0.46	0.53	49
16p11.2 proximal duplication	Townsend Index (Reversed)	Residuals	159310	689798.3	4.33	NA	NA	NA	49
16p11.2 distal deletion	Townsend Index (Reversed)	DEL_16p11.2_distal	1	83.81	83.81	19.36	1.09E-05	1.55E-05	50
16p11.2 distal deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	15586.06	15586.1	3599.71	0	0	50
16p11.2 distal deletion	Townsend Index (Reversed)	Age	1	2953.12	2953.12	682.05	4.98E-150	1.27E-149	50
16p11.2 distal deletion	Townsend Index (Reversed)	Sex	1	2305.84	2305.84	532.55	1.23E-117	2.89E-117	50
16p11.2 distal deletion	Townsend Index (Reversed)	Ethnicity	1	32451.93	32451.9	7495.01	0	0	50
16p11.2 distal deletion	Townsend Index (Reversed)	Interaction: DEL_16p11.2_distal:Townsend index (reversed)	1	4.91	4.91	1.13	0.29	0.34	50
16p11.2 distal deletion	Townsend Index (Reversed)	Residuals	159279	689647.1	4.33	NA	NA	NA	50
16p11.2 distal duplication	Townsend Index (Reversed)	DUP_16p11.2_distal	1	10.84	10.84	2.5	0.11	0.14	51

16p11.2 distal duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	15585.8	15585.8	3599.8	0	0	51
16p11.2 distal duplication	Townsend Index (Reversed)	Age	1	2955.69	2955.69	682.67	3.66E-150	9.42E-150	51
16p11.2 distal duplication	Townsend Index (Reversed)	Sex	1	2306	2306	532.61	1.19E-117	2.86E-117	51
16p11.2 distal duplication	Townsend Index (Reversed)	Ethnicity	1	32427.06	32427.1	7489.57	0	0	51
16p11.2 distal duplication	Townsend Index (Reversed)	Interaction: DUP_16p11.2_distal:Townsend index (reversed)	1	1.16	1.16	0.27	0.60	0.65	51
16p11.2 distal duplication	Townsend Index (Reversed)	Residuals	159297	689696.8	4.33	NA	NA	NA	51
22q11.2 distal deletion	Townsend Index (Reversed)	DEL_22q11.2_distal	1	8.24	8.24	1.9	0.17	0.21	52
22q11.2 distal deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	15582.2	15582.2	3598.66	0	0	52
22q11.2 distal deletion	Townsend Index (Reversed)	Age	1	2956.97	2956.97	682.9	3.25E-150	8.48E-150	52
22q11.2 distal deletion	Townsend Index (Reversed)	Sex	1	2305.9	2305.9	532.54	1.24E-117	2.89E-117	52
22q11.2 distal deletion	Townsend Index (Reversed)	Ethnicity	1	32436.34	32436.3	7491.07	0	0	52
22q11.2 distal deletion	Townsend Index (Reversed)	Interaction: DEL_22q11.2_distal:Townsend index (reversed)	1	5.59	5.59	1.29	0.26	0.31	52
22q11.2 distal deletion	Townsend Index (Reversed)	Residuals	159270	689638.9	4.33	NA	NA	NA	52
22q11.2 distal duplication	Townsend Index (Reversed)	DUP_22q11.2_distal	1	2.38	2.38	0.55	0.46	0.53	53
22q11.2 distal duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	15588.3	15588.3	3600.18	0	0	53
22q11.2 distal duplication	Townsend Index (Reversed)	Age	1	2958.3	2958.3	683.23	2.76E-150	7.29E-150	53
22q11.2 distal duplication	Townsend Index (Reversed)	Sex	1	2308.18	2308.18	533.08	9.42E-118	2.30E-117	53
22q11.2 distal duplication	Townsend Index (Reversed)	Ethnicity	1	32450.27	32450.3	7494.51	0	0	53
22q11.2 distal duplication	Townsend Index (Reversed)	Interaction: DUP_22q11.2_distal:Townsend index (reversed)	1	0.89	0.89	0.2	0.65	0.69	53
22q11.2 distal duplication	Townsend Index (Reversed)	Residuals	159342	689930.1	4.33	NA	NA	NA	53
22q11.2 proximal deletion	Townsend Index (Reversed)	DEL_22q11.2_proximal	1	33.04	33.04	7.63	0.01	0.01	54
22q11.2 proximal deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	15578.41	15578.4	3597.86	0	0	54
22q11.2 proximal deletion	Townsend Index (Reversed)	Age	1	2953.72	2953.72	682.17	4.69E-150	1.20E-149	54
22q11.2 proximal deletion	Townsend Index (Reversed)	Sex	1	2305.98	2305.98	532.57	1.22E-117	2.89E-117	54
22q11.2 proximal deletion	Townsend Index (Reversed)	Ethnicity	1	32436.09	32436.1	7491.17	0	0	54
22q11.2 proximal deletion	Townsend Index (Reversed)	Interaction: DEL_22q11.2_proximal:Townsend index (reversed)	1	1.12	1.12	0.26	0.61	0.66	54
22q11.2 proximal deletion	Townsend Index (Reversed)	Residuals	159265	689603.2	4.33	NA	NA	NA	54
22q11.2 proximal duplication	Townsend Index (Reversed)	DUP_22q11.2_proximal	1	80.52	80.52	18.6	1.61E-05	2.28E-05	55
22q11.2 proximal duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	15584.58	15584.6	3599.78	0	0	55
22q11.2 proximal duplication	Townsend Index (Reversed)	Age	1	2955.77	2955.77	682.73	3.53E-150	9.16E-150	55

22q11.2 proximal duplication	Townsend Index (Reversed)	Sex	1	2307.38	2307.38	532.97	9.98E-118	2.42E-117	55
22q11.2 proximal duplication	Townsend Index (Reversed)	Ethnicity	1	32404.33	32404.3	7484.86	0	0	55
22q11.2 proximal duplication	Townsend Index (Reversed)	Interaction: DUP_22q11.2_proximal:Townsend index (reversed)	1	0.02	0.02	0	0.95	0.96	55
22q11.2 proximal duplication	Townsend Index (Reversed)	Residuals	159351	689880.7	4.33	NA	NA	NA	55
1q21.1 distal deletion	SES Class	DEL_1q21.1_distal	1	26.09	26.09	6.68	0.01	0.01	56
1q21.1 distal deletion	SES Class	class	2	64923.46	32461.7	8315.48	0	0	56
1q21.1 distal deletion	SES Class	Age	1	1322.03	1322.03	338.65	1.54E-75	3.19E-75	56
1q21.1 distal deletion	SES Class	Sex	1	563.91	563.91	144.45	2.94E-33	4.91E-33	56
1q21.1 distal deletion	SES Class	Ethnicity	1	25695.92	25695.9	6582.33	0	0	56
1q21.1 distal deletion	SES Class	Interaction: DEL_1q21.1_distal:class	2	4.18	2.09	0.54	0.59	0.64	56
1q21.1 distal deletion	SES Class	Residuals	137492	536737.6	3.9	NA	NA	NA	56
1q21.1 distal duplication	SES Class	DUP_1q21.1_distal	1	1.77	1.77	0.45	0.50	0.56	57
1q21.1 distal duplication	SES Class	class	2	64933.65	32466.8	8314.31	0	0	57
1q21.1 distal duplication	SES Class	Age	1	1318	1318	337.52	2.72E-75	5.43E-75	57
1q21.1 distal duplication	SES Class	Sex	1	565.77	565.77	144.88	2.37E-33	3.99E-33	57
1q21.1 distal duplication	SES Class	Ethnicity	1	25669.69	25669.7	6573.66	0	0	57
1q21.1 distal duplication	SES Class	Interaction: DUP_1q21.1_distal:class	2	0.2	0.1	0.03	0.97	0.98	57
1q21.1 distal duplication	SES Class	Residuals	137517	536994.5	3.9	NA	NA	NA	57
15q11.2 deletion	SES Class	DEL_15q11.2	1	84.9	84.9	21.76	3.10E-06	4.50E-06	58
15q11.2 deletion	SES Class	class	2	65019.4	32509.7	8330.94	0	0	58
15q11.2 deletion	SES Class	Age	1	1323.79	1323.79	339.23	1.16E-75	2.42E-75	58
15q11.2 deletion	SES Class	Sex	1	570.76	570.76	146.26	1.18E-33	2.07E-33	58
15q11.2 deletion	SES Class	Ethnicity	1	25701.63	25701.6	6586.31	0	0	58
15q11.2 deletion	SES Class	Interaction: DEL_15q11.2:class	2	7.43	3.71	0.95	0.39	0.45	58
15q11.2 deletion	SES Class	Residuals	137822	537820.5	3.9	NA	NA	NA	58
15q11.2 duplication	SES Class	DUP_15q11.2	1	0	0	0	1.00	1.00	59
15q11.2 duplication	SES Class	class	2	65137.95	32569	8342.44	0	0	59
15q11.2 duplication	SES Class	Age	1	1333.71	1333.71	341.62	3.49E-76	7.37E-76	59
15q11.2 duplication	SES Class	Sex	1	563.47	563.47	144.33	3.12E-33	5.19E-33	59
15q11.2 duplication	SES Class	Ethnicity	1	25722.52	25722.5	6588.74	0	0	59
15q11.2 duplication	SES Class	Interaction: DUP_15q11.2:class	2	2.98	1.49	0.38	0.68	0.72	59
15q11.2 duplication	SES Class	Residuals	137846	538152.1	3.9	NA	NA	NA	59
15q13.3 CHRNA7 deletion	SES Class	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	3.7	3.7	0.95	0.33	0.39	60

15q13.3 CHRNA7 deletion	SES Class	class	2	64930.54	32465.3	8316.57	0	0	60
15q13.3 CHRNA7 deletion	SES Class	Age	1	1319.36	1319.36	337.98	2.17E-75	4.39E-75	60
15q13.3 CHRNA7 deletion	SES Class	Sex	1	566.21	566.21	145.05	2.18E-33	3.76E-33	60
15q13.3 CHRNA7 deletion	SES Class	Ethnicity	1	25693.01	25693	6581.73	0	0	60
15q13.3 CHRNA7 deletion	SES Class	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:class	2	9.1	4.55	1.17	0.31	0.37	60
15q13.3 CHRNA7 deletion	SES Class	Residuals	137479	536674.5	3.9	NA	NA	NA	60
15q13.3 CHRNA7 duplication	SES Class	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	69.15	69.15	17.72	2.57E-05	3.60E-05	61
15q13.3 CHRNA7 duplication	SES Class	class	2	64932.6	32466.3	8317.07	0	0	61
15q13.3 CHRNA7 duplication	SES Class	Age	1	1314.85	1314.85	336.83	3.84E-75	7.63E-75	61
15q13.3 CHRNA7 duplication	SES Class	Sex	1	564.55	564.55	144.62	2.70E-33	4.52E-33	61
15q13.3 CHRNA7 duplication	SES Class	Ethnicity	1	25687.36	25687.4	6580.47	0	0	61
15q13.3 CHRNA7 duplication	SES Class	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:class	2	1.12	0.56	0.14	0.87	0.89	61
15q13.3 CHRNA7 duplication	SES Class	Residuals	137534	536874.3	3.9	NA	NA	NA	61
16p11.2 proximal deletion	SES Class	DEL_16p11.2_proximal	1	13.84	13.84	3.54	0.06	0.08	62
16p11.2 proximal deletion	SES Class	class	2	64924.39	32462.2	8315.22	0	0	62
16p11.2 proximal deletion	SES Class	Age	1	1322.42	1322.42	338.74	1.48E-75	3.08E-75	62
16p11.2 proximal deletion	SES Class	Sex	1	565.53	565.53	144.86	2.40E-33	4.03E-33	62
16p11.2 proximal deletion	SES Class	Ethnicity	1	25662.79	25662.8	6573.55	0	0	62
16p11.2 proximal deletion	SES Class	Interaction: DEL_16p11.2_proximal:class	2	4.84	2.42	0.62	0.54	0.60	62
16p11.2 proximal deletion	SES Class	Residuals	137503	536804.7	3.9	NA	NA	NA	62
16p11.2 proximal duplication	SES Class	DUP_16p11.2_proximal	1	115.04	115.04	29.47	5.69E-08	8.39E-08	63
16p11.2 proximal duplication	SES Class	class	2	64908.65	32454.3	8313.57	0	0	63
16p11.2 proximal duplication	SES Class	Age	1	1323.57	1323.57	339.05	1.27E-75	2.65E-75	63
16p11.2 proximal duplication	SES Class	Sex	1	565.75	565.75	144.92	2.32E-33	3.93E-33	63
16p11.2 proximal duplication	SES Class	Ethnicity	1	25690.83	25690.8	6581.02	0	0	63
16p11.2 proximal duplication	SES Class	Interaction: DUP_16p11.2_proximal:class	2	5.63	2.82	0.72	0.49	0.55	63
16p11.2 proximal duplication	SES Class	Residuals	137507	536796.6	3.9	NA	NA	NA	63
16p11.2 distal deletion	SES Class	DEL_16p11.2_distal	1	53.35	53.35	13.67	2.18E-04	3.00E-04	64
16p11.2 distal deletion	SES Class	class	2	64901.34	32450.7	8312.77	0	0	64
16p11.2 distal deletion	SES Class	Age	1	1318.81	1318.81	337.83	2.33E-75	4.67E-75	64
16p11.2 distal deletion	SES Class	Sex	1	565.89	565.89	144.96	2.27E-33	3.89E-33	64
16p11.2 distal deletion	SES Class	Ethnicity	1	25689.82	25689.8	6580.87	0	0	64

16p11.2 distal deletion	SES Class	Interaction: DEL_16p11.2_distal:class	1	18.05	18.05	4.62	0.03	0.04	64
16p11.2 distal deletion	SES Class	Residuals	137482	536690.3	3.9	NA	NA	NA	64
16p11.2 distal duplication	SES Class	DUP_16p11.2_distal	1	12.1	12.1	3.1	0.08	0.10	65
16p11.2 distal duplication	SES Class	class	2	64931.93	32466	8317.18	0	0	65
16p11.2 distal duplication	SES Class	Age	1	1319.68	1319.68	338.08	2.06E-75	4.20E-75	65
16p11.2 distal duplication	SES Class	Sex	1	565.91	565.91	144.98	2.26E-33	3.88E-33	65
16p11.2 distal duplication	SES Class	Ethnicity	1	25681.22	25681.2	6579.06	0	0	65
16p11.2 distal duplication	SES Class	Interaction: DUP_16p11.2_distal:class	2	4.62	2.31	0.59	0.55	0.61	65
16p11.2 distal duplication	SES Class	Residuals	137500	536728.6	3.9	NA	NA	NA	65
22q11.2 distal deletion	SES Class	DEL_22q11.2_distal	1	6.36	6.36	1.63	0.20	0.25	66
22q11.2 distal deletion	SES Class	class	2	64920.22	32460.1	8315.07	0	0	66
22q11.2 distal deletion	SES Class	Age	1	1319.01	1319.01	337.88	2.27E-75	4.58E-75	66
22q11.2 distal deletion	SES Class	Sex	1	565.78	565.78	144.93	2.31E-33	3.93E-33	66
22q11.2 distal deletion	SES Class	Ethnicity	1	25689.35	25689.4	6580.65	0	0	66
22q11.2 distal deletion	SES Class	Interaction: DEL_22q11.2_distal:class	2	21.39	10.7	2.74	0.06	0.08	66
22q11.2 distal deletion	SES Class	Residuals	137477	536678.4	3.9	NA	NA	NA	66
22q11.2 distal duplication	SES Class	DUP_22q11.2_distal	1	0.58	0.58	0.15	0.70	0.74	67
22q11.2 distal duplication	SES Class	class	2	64960.68	32480.3	8321.14	0	0	67
22q11.2 distal duplication	SES Class	Age	1	1321.12	1321.12	338.46	1.70E-75	3.50E-75	67
22q11.2 distal duplication	SES Class	Sex	1	567.52	567.52	145.39	1.83E-33	3.19E-33	67
22q11.2 distal duplication	SES Class	Ethnicity	1	25690.58	25690.6	6581.67	0	0	67
22q11.2 distal duplication	SES Class	Interaction: DUP_22q11.2_distal:class	2	5.93	2.96	0.76	0.47	0.53	67
22q11.2 distal duplication	SES Class	Residuals	137535	536847.3	3.9	NA	NA	NA	67
22q11.2 proximal duplication	SES Class	DUP_22q11.2_proximal	1	61.33	61.33	15.71	7.38E-05	1.02E-04	68
22q11.2 proximal duplication	SES Class	class	2	64928.44	32464.2	8317.17	0	0	68
22q11.2 proximal duplication	SES Class	Age	1	1319.89	1319.89	338.15	1.99E-75	4.07E-75	68
22q11.2 proximal duplication	SES Class	Sex	1	566.85	566.85	145.22	1.99E-33	3.45E-33	68
22q11.2 proximal duplication	SES Class	Ethnicity	1	25668.02	25668	6576.02	0	0	68
22q11.2 proximal duplication	SES Class	Interaction: DUP_22q11.2_proximal:class	2	5.71	2.85	0.73	0.48	0.54	68
22q11.2 proximal duplication	SES Class	Residuals	137542	536864.6	3.9	NA	NA	NA	68

Table S4. ANOVA model summary for CNV-SES main and interaction effects on well-being. The table presents the results of separate ANOVA models examining the main effects of CNV carrier status and its interaction with socioeconomic status (SES) variables, with age, sex, and ethnicity included as covariates, influencing well-being: degrees of freedom (Df), sums of squares (Sum Sq), mean squares (Mean Sq), F values, raw p-values, and FDR-corrected p-values. Statistically significant values ($p < 0.05$) are highlighted in bold.

CNV	Variable	Term	Df	Sum Sq	Mean Sq	F value	p-value	FDR-corrected	Model
1q21.1 distal deletion	Work Status	DEL_1q21.1_distal	1	0.42	0.42	0.19	0.67	0.72	1
1q21.1 distal deletion	Work Status	work_0.0	6	18530.52	3088.42	1372.3	0	0	1
1q21.1 distal deletion	Work Status	Age	1	2679.15	2679.15	1190.5	6.68E-260	2.27E-259	1
1q21.1 distal deletion	Work Status	Sex	1	161.51	161.51	71.76	2.45E-17	3.73E-17	1
1q21.1 distal deletion	Work Status	Ethnicity	1	2297.25	2297.25	1020.8	2.83E-223	8.22E-223	1
1q21.1 distal deletion	Work Status	Interaction: DEL_1q21.1_distal:work_0.0	3	13.52	4.51	2	0.11	0.14	1
1q21.1 distal deletion	Work Status	Residuals	158699	357154.3	2.25	NA	NA	NA	1
1q21.1 distal duplication	Work Status	DUP_1q21.1_distal	1	5.01	5.01	2.23	0.14	0.17	2
1q21.1 distal duplication	Work Status	work_0.0	6	18535.91	3089.32	1372.9	0	0	2
1q21.1 distal duplication	Work Status	Age	1	2683	2683	1192.3	2.69E-260	9.51E-260	2
1q21.1 distal duplication	Work Status	Sex	1	163.24	163.24	72.54	1.65E-17	2.59E-17	2
1q21.1 distal duplication	Work Status	Ethnicity	1	2291.58	2291.58	1018.4	9.39E-223	2.55E-222	2
1q21.1 distal duplication	Work Status	Interaction: DUP_1q21.1_distal:work_0.0	5	14.26	2.85	1.27	0.27	0.33	2
1q21.1 distal duplication	Work Status	Residuals	158727	357180.6	2.25	NA	NA	NA	2
15q11.2 deletion	Work Status	DEL_15q11.2	1	1.49	1.49	0.66	0.42	0.48	3
15q11.2 deletion	Work Status	work_0.0	6	18622.01	3103.67	1378.9	0	0	3
15q11.2 deletion	Work Status	Age	1	2678.69	2678.69	1190.1	7.91E-260	2.66E-259	3
15q11.2 deletion	Work Status	Sex	1	158.72	158.72	70.52	4.60E-17	6.88E-17	3
15q11.2 deletion	Work Status	Ethnicity	1	2299.08	2299.08	1021.5	2.00E-223	5.90E-223	3
15q11.2 deletion	Work Status	Interaction: DEL_15q11.2:work_0.0	4	28.36	7.09	3.15	0.01	0.02	3
15q11.2 deletion	Work Status	Residuals	159089	358076	2.25	NA	NA	NA	3
15q11.2 duplication	Work Status	DUP_15q11.2	1	6.18	6.18	2.74	0.10	0.13	4
15q11.2 duplication	Work Status	work_0.0	6	18578.16	3096.36	1375.9	0	0	4
15q11.2 duplication	Work Status	Age	1	2686.58	2686.58	1193.8	1.28E-260	4.79E-260	4
15q11.2 duplication	Work Status	Sex	1	161.27	161.27	71.66	2.58E-17	3.89E-17	4

15q11.2 duplication	Work Status	Ethnicity	1	2306.9	2306.9	1025.1	3.32E-224	9.87E-224	4
15q11.2 duplication	Work Status	Interaction: DUP_15q11.2:work_0.0	6	14.14	2.36	1.05	0.39	0.46	4
15q11.2 duplication	Work Status	Residuals	159110	358075.8	2.25	NA	NA	NA	4
15q13.3 CHRNA7 deletion	Work Status	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	15.35	15.35	6.82	0.01	0.01	5
15q13.3 CHRNA7 deletion	Work Status	work_0.0	6	18525.55	3087.59	1372	0	0	5
15q13.3 CHRNA7 deletion	Work Status	Age	1	2684.65	2684.65	1193	1.93E-260	7.03E-260	5
15q13.3 CHRNA7 deletion	Work Status	Sex	1	162.46	162.46	72.19	1.97E-17	3.07E-17	5
15q13.3 CHRNA7 deletion	Work Status	Ethnicity	1	2295.98	2295.98	1020.2	3.67E-223	1.04E-222	5
15q13.3 CHRNA7 deletion	Work Status	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:work_0.0	3	4.24	1.41	0.63	0.60	0.65	5
15q13.3 CHRNA7 deletion	Work Status	Residuals	158687	357112.4	2.25	NA	NA	NA	5
15q13.3 CHRNA7 duplication	Work Status	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	0.29	0.29	0.13	0.72	0.76	6
15q13.3 CHRNA7 duplication	Work Status	work_0.0	6	18535.86	3089.31	1372.7	0	0	6
15q13.3 CHRNA7 duplication	Work Status	Age	1	2683.79	2683.79	1192.5	2.46E-260	8.85E-260	6
15q13.3 CHRNA7 duplication	Work Status	Sex	1	161.47	161.47	71.75	2.47E-17	3.73E-17	6
15q13.3 CHRNA7 duplication	Work Status	Ethnicity	1	2296.47	2296.47	1020.4	3.43E-223	9.77E-223	6
15q13.3 CHRNA7 duplication	Work Status	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:work_0.0	4	0.94	0.24	0.1	0.98	0.99	6
15q13.3 CHRNA7 duplication	Work Status	Residuals	158749	357281.9	2.25	NA	NA	NA	6
16p11.2 proximal deletion	Work Status	DEL_16p11.2_proximal	1	9.43	9.43	4.19	0.04	0.05	7
16p11.2 proximal deletion	Work Status	work_0.0	6	18499.57	3083.26	1370.1	0	0	7
16p11.2 proximal deletion	Work Status	Age	1	2685.08	2685.08	1193.2	1.75E-260	6.48E-260	7
16p11.2 proximal deletion	Work Status	Sex	1	163.22	163.22	72.53	1.66E-17	2.60E-17	7
16p11.2 proximal deletion	Work Status	Ethnicity	1	2297.94	2297.94	1021.1	2.37E-223	6.93E-223	7
16p11.2 proximal deletion	Work Status	Interaction: DEL_16p11.2_proximal:work_0.0	4	22.08	5.52	2.45	0.04	0.06	7
16p11.2 proximal deletion	Work Status	Residuals	158711	357162.7	2.25	NA	NA	NA	7
16p11.2 proximal duplication	Work Status	DUP_16p11.2_proximal	1	27.39	27.39	12.17	4.86E-04	7.12E-04	8
16p11.2 proximal duplication	Work Status	work_0.0	6	18486.89	3081.15	1368.9	0	0	8
16p11.2 proximal duplication	Work Status	Age	1	2681.43	2681.43	1191.3	4.41E-260	1.52E-259	8
16p11.2 proximal duplication	Work Status	Sex	1	161.5	161.5	71.75	2.46E-17	3.73E-17	8

16p11.2 proximal duplication	Work Status	Ethnicity	1	2296.16	2296.16	1020.1	3.88E-223	1.08E-222	8
16p11.2 proximal duplication	Work Status	Interaction: DUP_16p11.2_proximal:work_0.0	4	41.33	10.33	4.59	0	0	8
16p11.2 proximal duplication	Work Status	Residuals	158716	357245.3	2.25	NA	NA	NA	8
16p11.2 distal deletion	Work Status	DEL_16p11.2_distal	1	26.23	26.23	11.65	6.41E-04	9.35E-04	9
16p11.2 distal deletion	Work Status	work_0.0	6	18529.41	3088.23	1372.3	0	0	9
16p11.2 distal deletion	Work Status	Age	1	2681.66	2681.66	1191.6	3.78E-260	1.31E-259	9
16p11.2 distal deletion	Work Status	Sex	1	162.4	162.4	72.16	2.00E-17	3.09E-17	9
16p11.2 distal deletion	Work Status	Ethnicity	1	2294.5	2294.5	1019.6	5.12E-223	1.42E-222	9
16p11.2 distal deletion	Work Status	Interaction: DEL_16p11.2_distal:work_0.0	3	4.55	1.52	0.67	0.57	0.63	9
16p11.2 distal deletion	Work Status	Residuals	158690	357124.8	2.25	NA	NA	NA	9
16p11.2 distal duplication	Work Status	DUP_16p11.2_distal	1	0	0	0	0.98	0.99	10
16p11.2 distal duplication	Work Status	work_0.0	6	18512.69	3085.45	1371.1	0	0	10
16p11.2 distal duplication	Work Status	Age	1	2684.92	2684.92	1193.1	1.78E-260	6.52E-260	10
16p11.2 distal duplication	Work Status	Sex	1	161.93	161.93	71.96	2.21E-17	3.39E-17	10
16p11.2 distal duplication	Work Status	Ethnicity	1	2294.3	2294.3	1019.5	5.20E-223	1.42E-222	10
16p11.2 distal duplication	Work Status	Interaction: DUP_16p11.2_distal:work_0.0	3	13.93	4.64	2.06	0.10	0.13	10
16p11.2 distal duplication	Work Status	Residuals	158706	357139.8	2.25	NA	NA	NA	10
22q11.2 distal deletion	Work Status	DEL_22q11.2_distal	1	14.21	14.21	6.31	0.01	0.02	11
22q11.2 distal deletion	Work Status	work_0.0	6	18544.11	3090.69	1373.4	0	0	11
22q11.2 distal deletion	Work Status	Age	1	2680.13	2680.13	1190.9	5.28E-260	1.80E-259	11
22q11.2 distal deletion	Work Status	Sex	1	162.31	162.31	72.12	2.04E-17	3.14E-17	11
22q11.2 distal deletion	Work Status	Ethnicity	1	2297.06	2297.06	1020.7	2.90E-223	8.38E-223	11
22q11.2 distal deletion	Work Status	Interaction: DEL_22q11.2_distal:work_0.0	2	10.89	5.44	2.42	0.09	0.12	11
22q11.2 distal deletion	Work Status	Residuals	158685	357111.4	2.25	NA	NA	NA	11
22q11.2 distal duplication	Work Status	DUP_22q11.2_distal	1	0.47	0.47	0.21	0.65	0.70	12
22q11.2 distal duplication	Work Status	work_0.0	6	18527.31	3087.88	1372.1	0	0	12
22q11.2 distal duplication	Work Status	Age	1	2683.47	2683.47	1192.4	2.52E-260	9.00E-260	12
22q11.2 distal duplication	Work Status	Sex	1	162.01	162.01	71.99	2.18E-17	3.35E-17	12
22q11.2 distal duplication	Work Status	Ethnicity	1	2294.41	2294.41	1019.5	5.21E-223	1.42E-222	12

22q11.2 distal duplication	Work Status	Interaction: DUP_22q11.2_distal:work_0.0	4	11.9	2.98	1.32	0.26	0.31	12
22q11.2 distal duplication	Work Status	Residuals	158756	357270.8	2.25	NA	NA	NA	12
22q11.2 proximal deletion	Work Status	DEL_22q11.2_proximal	1	0.86	0.86	0.38	0.54	0.60	13
22q11.2 proximal deletion	Work Status	work_0.0	6	18525.31	3087.55	1372	0	0	13
22q11.2 proximal deletion	Work Status	Age	1	2682.27	2682.27	1191.9	3.30E-260	1.16E-259	13
22q11.2 proximal deletion	Work Status	Sex	1	162.43	162.43	72.18	1.99E-17	3.08E-17	13
22q11.2 proximal deletion	Work Status	Ethnicity	1	2295.93	2295.93	1020.2	3.74E-223	1.05E-222	13
22q11.2 proximal deletion	Work Status	Interaction: DEL_22q11.2_proximal:work_0.0	1	0.01	0.01	0	0.95	0.96	13
22q11.2 proximal deletion	Work Status	Residuals	158677	357095	2.25	NA	NA	NA	13
22q11.2 proximal duplication	Work Status	DUP_22q11.2_proximal	1	17.95	17.95	7.98	0	0.01	14
22q11.2 proximal duplication	Work Status	work_0.0	6	18550.88	3091.81	1373.7	0	0	14
22q11.2 proximal duplication	Work Status	Age	1	2676.47	2676.47	1189.2	1.28E-259	4.26E-259	14
22q11.2 proximal duplication	Work Status	Sex	1	160.39	160.39	71.26	3.15E-17	4.74E-17	14
22q11.2 proximal duplication	Work Status	Ethnicity	1	2297.2	2297.2	1020.6	3.00E-223	8.61E-223	14
22q11.2 proximal duplication	Work Status	Interaction: DUP_22q11.2_proximal:work_0.0	5	39.88	7.98	3.54	0	0	14
22q11.2 proximal duplication	Work Status	Residuals	158759	357324.3	2.25	NA	NA	NA	14
1q21.1 distal deletion	Education	DEL_1q21.1_distal	1	1.55	1.55	0.67	0.41	0.48	15
1q21.1 distal deletion	Education	educ_qual_0.0	5	507.93	101.59	44.22	9.44E-46	1.69E-45	15
1q21.1 distal deletion	Education	Age	1	4910.84	4910.84	2137.6	0	0	15
1q21.1 distal deletion	Education	Sex	1	371.47	371.47	161.7	5.06E-37	8.57E-37	15
1q21.1 distal deletion	Education	Ethnicity	1	2579.86	2579.86	1123	3.43E-245	1.13E-244	15
1q21.1 distal deletion	Education	Interaction: DEL_1q21.1_distal:educ_qual_0.0	4	16.32	4.08	1.78	0.13	0.16	15
1q21.1 distal deletion	Education	Residuals	134718	309489.9	2.3	NA	NA	NA	15
1q21.1 distal duplication	Education	DUP_1q21.1_distal	1	4.21	4.21	1.83	0.18	0.22	16
1q21.1 distal duplication	Education	educ_qual_0.0	5	507.61	101.52	44.19	1.00E-45	1.78E-45	16
1q21.1 distal duplication	Education	Age	1	4918.54	4918.54	2141.1	0	0	16
1q21.1 distal duplication	Education	Sex	1	374.27	374.27	162.93	2.73E-37	4.81E-37	16

1q21.1 distal duplication	Education	Ethnicity	1	2574.48	2574.48	1120.7	1.06E-244	3.16E-244	16
1q21.1 distal duplication	Education	Interaction: DUP_1q21.1_distal:educ_qual_0.0	5	12.52	2.5	1.09	0.36	0.43	16
1q21.1 distal duplication	Education	Residuals	134740	309520.7	2.3	NA	NA	NA	16
15q11.2 deletion	Education	DEL_15q11.2	1	0.32	0.32	0.14	0.71	0.76	17
15q11.2 deletion	Education	educ_qual_0.0	5	509.99	102	44.39	6.26E-46	1.17E-45	17
15q11.2 deletion	Education	Age	1	4919.68	4919.68	2140.9	0	0	17
15q11.2 deletion	Education	Sex	1	369.51	369.51	160.8	7.95E-37	1.33E-36	17
15q11.2 deletion	Education	Ethnicity	1	2579.28	2579.28	1122.4	4.51E-245	1.41E-244	17
15q11.2 deletion	Education	Interaction: DEL_15q11.2:educ_qual_0.0	5	3.1	0.62	0.27	0.93	0.94	17
15q11.2 deletion	Education	Residuals	135035	310304.3	2.3	NA	NA	NA	17
15q11.2 duplication	Education	DUP_15q11.2	1	8.88	8.88	3.86	0.05	0.06	18
15q11.2 duplication	Education	educ_qual_0.0	5	508.45	101.69	44.27	8.38E-46	1.53E-45	18
15q11.2 duplication	Education	Age	1	4934.5	4934.5	2148.1	0	0	18
15q11.2 duplication	Education	Sex	1	370.59	370.59	161.33	6.09E-37	1.02E-36	18
15q11.2 duplication	Education	Ethnicity	1	2591.31	2591.31	1128.1	2.74E-246	9.07E-246	18
15q11.2 duplication	Education	Interaction: DUP_15q11.2:educ_qual_0.0	5	9.58	1.92	0.83	0.52	0.59	18
15q11.2 duplication	Education	Residuals	135067	310266.4	2.3	NA	NA	NA	18
15q13.3 CHRNA7 deletion	Education	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	1.16	1.16	0.51	0.48	0.55	19
15q13.3 CHRNA7 deletion	Education	educ_qual_0.0	5	508.06	101.61	44.23	9.10E-46	1.65E-45	19
15q13.3 CHRNA7 deletion	Education	Age	1	4919.09	4919.09	2141.4	0	0	19
15q13.3 CHRNA7 deletion	Education	Sex	1	372.47	372.47	162.15	4.03E-37	6.93E-37	19
15q13.3 CHRNA7 deletion	Education	Ethnicity	1	2578.23	2578.23	1122.4	4.64E-245	1.43E-244	19
15q13.3 CHRNA7 deletion	Education	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:educ_qual_0.0	1	2.42	2.42	1.05	0.30	0.36	19
15q13.3 CHRNA7 deletion	Education	Residuals	134705	309431.9	2.3	NA	NA	NA	19
15q13.3 CHRNA7 duplication	Education	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	1.33	1.33	0.58	0.45	0.51	20
15q13.3 CHRNA7 duplication	Education	educ_qual_0.0	5	510.4	102.08	44.44	5.51E-46	1.03E-45	20
15q13.3 CHRNA7 duplication	Education	Age	1	4921.11	4921.11	2142.3	0	0	20
15q13.3 CHRNA7 duplication	Education	Sex	1	371.45	371.45	161.7	5.05E-37	8.57E-37	20
15q13.3 CHRNA7 duplication	Education	Ethnicity	1	2578.92	2578.92	1122.7	4.00E-245	1.29E-244	20

15q13.3 CHRNA7 duplication	Education	Interaction: ` DUP_15q13.3_BP4-BP5_CHRNA7`:educ_qual_0.0	5	27.2	5.44	2.37	0.04	0.05	20
15q13.3 CHRNA7 duplication	Education	Residuals	134752	309541.2	2.3	NA	NA	NA	20
16p11.2 proximal deletion	Education	DEL_16p11.2_proximal	1	12.01	12.01	5.23	0.02	0.03	21
16p11.2 proximal deletion	Education	educ_qual_0.0	5	507.76	101.55	44.21	9.66E-46	1.72E-45	21
16p11.2 proximal deletion	Education	Age	1	4916.86	4916.86	2140.5	0	0	21
16p11.2 proximal deletion	Education	Sex	1	373.05	373.05	162.4	3.55E-37	6.22E-37	21
16p11.2 proximal deletion	Education	Ethnicity	1	2578.61	2578.61	1122.6	4.20E-245	1.35E-244	21
16p11.2 proximal deletion	Education	Interaction: DEL_16p11.2_proximal:educ_qual_0.0	5	23.06	4.61	2.01	0.07	0.10	21
16p11.2 proximal deletion	Education	Residuals	134726	309470.4	2.3	NA	NA	NA	21
16p11.2 proximal duplication	Education	DUP_16p11.2_proximal	1	31.8	31.8	13.84	1.99E-04	2.97E-04	22
16p11.2 proximal duplication	Education	educ_qual_0.0	5	509.04	101.81	44.31	7.55E-46	1.40E-45	22
16p11.2 proximal duplication	Education	Age	1	4915.05	4915.05	2139.2	0	0	22
16p11.2 proximal duplication	Education	Sex	1	371.27	371.27	161.59	5.33E-37	9.01E-37	22
16p11.2 proximal duplication	Education	Ethnicity	1	2577.33	2577.33	1121.8	6.32E-245	1.92E-244	22
16p11.2 proximal duplication	Education	Interaction: DUP_16p11.2_proximal:educ_qual_0.0	5	12.59	2.52	1.1	0.36	0.42	22
16p11.2 proximal duplication	Education	Residuals	134726	309544.2	2.3	NA	NA	NA	22
16p11.2 distal deletion	Education	DEL_16p11.2_distal	1	21.78	21.78	9.48	0	0	23
16p11.2 distal deletion	Education	educ_qual_0.0	5	507.98	101.6	44.23	9.26E-46	1.67E-45	23
16p11.2 distal deletion	Education	Age	1	4916.49	4916.49	2140.3	0	0	23
16p11.2 distal deletion	Education	Sex	1	372.73	372.73	162.26	3.82E-37	6.67E-37	23
16p11.2 distal deletion	Education	Ethnicity	1	2578.54	2578.54	1122.5	4.34E-245	1.38E-244	23
16p11.2 distal deletion	Education	Interaction: DEL_16p11.2_distal:educ_qual_0.0	4	15.88	3.97	1.73	0.14	0.17	23
16p11.2 distal deletion	Education	Residuals	134705	309432.9	2.3	NA	NA	NA	23
16p11.2 distal duplication	Education	DUP_16p11.2_distal	1	2.92	2.92	1.27	0.26	0.31	24
16p11.2 distal duplication	Education	educ_qual_0.0	5	508.32	101.66	44.26	8.56E-46	1.56E-45	24
16p11.2 distal duplication	Education	Age	1	4921.55	4921.55	2142.6	0	0	24
16p11.2 distal duplication	Education	Sex	1	372.45	372.45	162.15	4.04E-37	6.93E-37	24

16p11.2 distal duplication	Education	Ethnicity	1	2577.93	2577.93	1122.3	4.81E-245	1.47E-244	24
16p11.2 distal duplication	Education	Interaction: DUP_16p11.2_distal:educ_qual_0.0	4	4.65	1.16	0.51	0.73	0.77	24
16p11.2 distal duplication	Education	Residuals	134720	309450.5	2.3	NA	NA	NA	24
22q11.2 distal deletion	Education	DEL_22q11.2_distal	1	0.27	0.27	0.12	0.73	0.77	25
22q11.2 distal deletion	Education	educ_qual_0.0	5	508.62	101.72	44.28	8.07E-46	1.49E-45	25
22q11.2 distal deletion	Education	Age	1	4917.78	4917.78	2140.8	0	0	25
22q11.2 distal deletion	Education	Sex	1	372.51	372.51	162.16	4.00E-37	6.93E-37	25
22q11.2 distal deletion	Education	Ethnicity	1	2578.35	2578.35	1122.4	4.54E-245	1.41E-244	25
22q11.2 distal deletion	Education	Interaction: DEL_22q11.2_distal:educ_qual_0.0	2	3.02	1.51	0.66	0.52	0.58	25
22q11.2 distal deletion	Education	Residuals	134702	309428.7	2.3	NA	NA	NA	25
22q11.2 distal duplication	Education	DUP_22q11.2_distal	1	0.1	0.1	0.04	0.83	0.87	26
22q11.2 distal duplication	Education	educ_qual_0.0	5	509.02	101.8	44.32	7.45E-46	1.38E-45	26
22q11.2 distal duplication	Education	Age	1	4912.49	4912.49	2138.4	0	0	26
22q11.2 distal duplication	Education	Sex	1	372.15	372.15	162	4.35E-37	7.43E-37	26
22q11.2 distal duplication	Education	Ethnicity	1	2576.6	2576.6	1121.6	6.79E-245	2.05E-244	26
22q11.2 distal duplication	Education	Interaction: DUP_22q11.2_distal:educ_qual_0.0	5	4.02	0.8	0.35	0.88	0.91	26
22q11.2 distal duplication	Education	Residuals	134757	309567.7	2.3	NA	NA	NA	26
22q11.2 proximal deletion	Education	DEL_22q11.2_proximal	1	2.54	2.54	1.11	0.29	0.35	27
22q11.2 proximal deletion	Education	educ_qual_0.0	5	508.51	101.7	44.27	8.28E-46	1.52E-45	27
22q11.2 proximal deletion	Education	Age	1	4917.41	4917.41	2140.7	0	0	27
22q11.2 proximal deletion	Education	Sex	1	372.53	372.53	162.17	3.99E-37	6.93E-37	27
22q11.2 proximal deletion	Education	Ethnicity	1	2578.42	2578.42	1122.4	4.49E-245	1.41E-244	27
22q11.2 proximal deletion	Education	Residuals	134701	309428.5	2.3	NA	NA	NA	27
22q11.2 proximal duplication	Education	DUP_22q11.2_proximal	1	7.2	7.2	3.13	0.08	0.10	28
22q11.2 proximal duplication	Education	educ_qual_0.0	5	507.26	101.45	44.16	1.10E-45	1.94E-45	28
22q11.2 proximal duplication	Education	Age	1	4914.56	4914.56	2139.1	0	0	28
22q11.2 proximal duplication	Education	Sex	1	370.28	370.28	161.17	6.60E-37	1.11E-36	28
22q11.2 proximal duplication	Education	Ethnicity	1	2579.39	2579.39	1122.7	3.96E-245	1.29E-244	28

22q11.2 proximal duplication	Education	Interaction: DUP_22q11.2_proximal:educ_qual_0.0	5	9.06	1.81	0.79	0.56	0.62	28
22q11.2 proximal duplication	Education	Residuals	134763	309617.3	2.3	NA	NA	NA	28
1q21.1 distal deletion	Income	DEL_1q21.1_distal	1	0.17	0.17	0.08	0.78	0.82	29
1q21.1 distal deletion	Income	income_0.0	4	7302.02	1825.51	813.62	0	0	29
1q21.1 distal deletion	Income	Age	1	10531.44	10531.4	4693.8	0	0	29
1q21.1 distal deletion	Income	Sex	1	685.23	685.23	305.41	2.59E-68	5.27E-68	29
1q21.1 distal deletion	Income	Ethnicity	1	1272.85	1272.85	567.31	3.87E-125	8.66E-125	29
1q21.1 distal deletion	Income	Interaction: DEL_1q21.1_distal:income_0.0	4	28.82	7.2	3.21	0.01	0.02	29
1q21.1 distal deletion	Income	Residuals	138246	310178.6	2.24	NA	NA	NA	29
1q21.1 distal duplication	Income	DUP_1q21.1_distal	1	3.09	3.09	1.38	0.24	0.29	30
1q21.1 distal duplication	Income	income_0.0	4	7285.26	1821.31	811.76	0	0	30
1q21.1 distal duplication	Income	Age	1	10532.61	10532.6	4694.4	0	0	30
1q21.1 distal duplication	Income	Sex	1	688.94	688.94	307.06	1.13E-68	2.41E-68	30
1q21.1 distal duplication	Income	Ethnicity	1	1269.39	1269.39	565.76	8.37E-125	1.79E-124	30
1q21.1 distal duplication	Income	Interaction: DUP_1q21.1_distal:income_0.0	4	11.5	2.88	1.28	0.27	0.33	30
1q21.1 distal duplication	Income	Residuals	138269	310229.9	2.24	NA	NA	NA	30
15q11.2 deletion	Income	DEL_15q11.2	1	1.31	1.31	0.58	0.45	0.51	31
15q11.2 deletion	Income	income_0.0	4	7322.16	1830.54	815.44	0	0	31
15q11.2 deletion	Income	Age	1	10550.07	10550.1	4699.7	0	0	31
15q11.2 deletion	Income	Sex	1	683.58	683.58	304.51	4.06E-68	8.17E-68	31
15q11.2 deletion	Income	Ethnicity	1	1279.17	1279.17	569.83	1.10E-125	2.70E-125	31
15q11.2 deletion	Income	Interaction: DEL_15q11.2:income_0.0	4	16.79	4.2	1.87	0.11	0.14	31
15q11.2 deletion	Income	Residuals	138578	311085.2	2.24	NA	NA	NA	31
15q11.2 duplication	Income	DUP_15q11.2	1	10.36	10.36	4.62	0.03	0.04	32
15q11.2 duplication	Income	income_0.0	4	7331.19	1832.8	817	0	0	32
15q11.2 duplication	Income	Age	1	10554.29	10554.3	4704.8	0	0	32
15q11.2 duplication	Income	Sex	1	683.15	683.15	304.53	4.02E-68	8.14E-68	32
15q11.2 duplication	Income	Ethnicity	1	1275.09	1275.09	568.4	2.25E-125	5.13E-125	32

15q11.2 duplication	Income	Interaction: DUP_15q11.2:income_0.0	4	11.53	2.88	1.28	0.27	0.33	32
15q11.2 duplication	Income	Residuals	138607	310939.2	2.24	NA	NA	NA	32
15q13.3 CHRNA7 deletion	Income	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	13.29	13.29	5.92	0.01	0.02	33
15q13.3 CHRNA7 deletion	Income	income_0.0	4	7289.74	1822.44	812.27	0	0	33
15q13.3 CHRNA7 deletion	Income	Age	1	10540.64	10540.6	4698	0	0	33
15q13.3 CHRNA7 deletion	Income	Sex	1	687.08	687.08	306.24	1.71E-68	3.63E-68	33
15q13.3 CHRNA7 deletion	Income	Ethnicity	1	1271.74	1271.74	566.82	4.94E-125	1.09E-124	33
15q13.3 CHRNA7 deletion	Income	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:income_0.0	4	7.8	1.95	0.87	0.48	0.55	33
15q13.3 CHRNA7 deletion	Income	Residuals	138236	310152.3	2.24	NA	NA	NA	33
15q13.3 CHRNA7 duplication	Income	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	0.49	0.49	0.22	0.64	0.70	34
15q13.3 CHRNA7 duplication	Income	income_0.0	4	7289.77	1822.44	812.24	0	0	34
15q13.3 CHRNA7 duplication	Income	Age	1	10540.88	10540.9	4697.9	0	0	34
15q13.3 CHRNA7 duplication	Income	Sex	1	685.48	685.48	305.51	2.46E-68	5.04E-68	34
15q13.3 CHRNA7 duplication	Income	Ethnicity	1	1272.89	1272.89	567.31	3.87E-125	8.66E-125	34
15q13.3 CHRNA7 duplication	Income	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:income_0.0	3	7.33	2.44	1.09	0.35	0.42	34
15q13.3 CHRNA7 duplication	Income	Residuals	138286	310277	2.24	NA	NA	NA	34
16p11.2 proximal deletion	Income	DEL_16p11.2_proximal	1	4.49	4.49	2	0.16	0.19	35
16p11.2 proximal deletion	Income	income_0.0	4	7290.59	1822.65	812.42	0	0	35
16p11.2 proximal deletion	Income	Age	1	10534.89	10534.9	4695.8	0	0	35
16p11.2 proximal deletion	Income	Sex	1	686.12	686.12	305.83	2.10E-68	4.35E-68	35
16p11.2 proximal deletion	Income	Ethnicity	1	1273.06	1273.06	567.45	3.61E-125	8.17E-125	35
16p11.2 proximal deletion	Income	Interaction: DEL_16p11.2_proximal:income_0.0	3	1.65	0.55	0.25	0.86	0.89	35
16p11.2 proximal deletion	Income	Residuals	138257	310177.8	2.24	NA	NA	NA	35
16p11.2 proximal duplication	Income	DUP_16p11.2_proximal	1	30.35	30.35	13.52	2.36E-04	3.49E-04	36
16p11.2 proximal duplication	Income	income_0.0	4	7287.51	1821.88	811.88	0	0	36
16p11.2 proximal duplication	Income	Age	1	10535.72	10535.7	4695	0	0	36
16p11.2 proximal duplication	Income	Sex	1	686.02	686.02	305.71	2.23E-68	4.61E-68	36
16p11.2 proximal duplication	Income	Ethnicity	1	1271.85	1271.85	566.77	5.07E-125	1.11E-124	36

16p11.2 proximal duplication	Income	Interaction: DUP_16p11.2_proximal:income_0.0	3	1.17	0.39	0.17	0.91	0.93	36
16p11.2 proximal duplication	Income	Residuals	138260	310260.1	2.24	NA	NA	NA	36
16p11.2 distal deletion	Income	DEL_16p11.2_distal	1	12.96	12.96	5.78	0.02	0.02	37
16p11.2 distal deletion	Income	income_0.0	4	7288.2	1822.05	812.09	0	0	37
16p11.2 distal deletion	Income	Age	1	10529.17	10529.2	4692.9	0	0	37
16p11.2 distal deletion	Income	Sex	1	687.02	687.02	306.2	1.74E-68	3.67E-68	37
16p11.2 distal deletion	Income	Ethnicity	1	1271.55	1271.55	566.73	5.16E-125	1.12E-124	37
16p11.2 distal deletion	Income	Interaction: DEL_16p11.2_distal:income_0.0	3	11.21	3.74	1.66	0.17	0.21	37
16p11.2 distal deletion	Income	Residuals	138237	310156	2.24	NA	NA	NA	37
16p11.2 distal duplication	Income	DUP_16p11.2_distal	1	0.03	0.03	0.02	0.90	0.92	38
16p11.2 distal duplication	Income	income_0.0	4	7283.43	1820.86	811.61	0	0	38
16p11.2 distal duplication	Income	Age	1	10543.55	10543.6	4699.6	0	0	38
16p11.2 distal duplication	Income	Sex	1	686.28	686.28	305.89	2.03E-68	4.24E-68	38
16p11.2 distal duplication	Income	Ethnicity	1	1270.8	1270.8	566.43	5.99E-125	1.29E-124	38
16p11.2 distal duplication	Income	Interaction: DUP_16p11.2_distal:income_0.0	4	8.83	2.21	0.98	0.41	0.48	38
16p11.2 distal duplication	Income	Residuals	138253	310172.9	2.24	NA	NA	NA	38
22q11.2 distal deletion	Income	DEL_22q11.2_distal	1	6.13	6.13	2.73	0.10	0.13	39
22q11.2 distal deletion	Income	income_0.0	4	7287.61	1821.9	812	0	0	39
22q11.2 distal deletion	Income	Age	1	10535.29	10535.3	4695.5	0	0	39
22q11.2 distal deletion	Income	Sex	1	686.71	686.71	306.06	1.87E-68	3.92E-68	39
22q11.2 distal deletion	Income	Ethnicity	1	1272.5	1272.5	567.14	4.21E-125	9.31E-125	39
22q11.2 distal deletion	Income	Interaction: DEL_22q11.2_distal:income_0.0	3	23.07	7.69	3.43	0.02	0.02	39
22q11.2 distal deletion	Income	Residuals	138233	310155	2.24	NA	NA	NA	39
22q11.2 distal duplication	Income	DUP_22q11.2_distal	1	0.09	0.09	0.04	0.84	0.87	40
22q11.2 distal duplication	Income	income_0.0	4	7294.28	1823.57	812.69	0	0	40
22q11.2 distal duplication	Income	Age	1	10529.86	10529.9	4692.7	0	0	40
22q11.2 distal duplication	Income	Sex	1	685.63	685.63	305.56	2.41E-68	4.94E-68	40

22q11.2 distal duplication	Income	Ethnicity	1	1271.29	1271.29	566.56	5.62E-125	1.22E-124	40
22q11.2 distal duplication	Income	Interaction: DUP_22q11.2_distal:income_0.0	4	3.66	0.92	0.41	0.80	0.84	40
22q11.2 distal duplication	Income	Residuals	138292	310309.2	2.24	NA	NA	NA	40
22q11.2 proximal duplication	Income	DUP_22q11.2_proximal	1	27.38	27.38	12.2	4.78E-04	7.02E-04	41
22q11.2 proximal duplication	Income	income_0.0	4	7300.19	1825.05	813.24	0	0	41
22q11.2 proximal duplication	Income	Age	1	10533.74	10533.7	4693.8	0	0	41
22q11.2 proximal duplication	Income	Sex	1	681.45	681.45	303.65	6.23E-68	1.25E-67	41
22q11.2 proximal duplication	Income	Ethnicity	1	1272.76	1272.76	567.14	4.20E-125	9.31E-125	41
22q11.2 proximal duplication	Income	Interaction: DUP_22q11.2_proximal:income_0.0	4	23.79	5.95	2.65	0.03	0.04	41
22q11.2 proximal duplication	Income	Residuals	138296	310358.8	2.24	NA	NA	NA	41
1q21.1 distal deletion	Townsend Index (Reversed)	DEL_1q21.1_distal	1	0.44	0.44	0.19	0.66	0.72	42
1q21.1 distal deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	9445.66	9445.66	4107	0	0	42
1q21.1 distal deletion	Townsend Index (Reversed)	Age	1	5539.68	5539.68	2408.7	0	0	42
1q21.1 distal deletion	Townsend Index (Reversed)	Sex	1	363.79	363.79	158.18	2.95E-36	4.70E-36	42
1q21.1 distal deletion	Townsend Index (Reversed)	Ethnicity	1	1309.5	1309.5	569.38	1.27E-125	3.07E-125	42
1q21.1 distal deletion	Townsend Index (Reversed)	Interaction: DEL_1q21.1_distal:Townsend index (reversed)	1	0.02	0.02	0.01	0.93	0.94	42
1q21.1 distal deletion	Townsend Index (Reversed)	Residuals	159927	367813.8	2.3	NA	NA	NA	42
1q21.1 distal duplication	Townsend Index (Reversed)	DUP_1q21.1_distal	1	5.42	5.42	2.36	0.12	0.16	43
1q21.1 distal duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	9432.87	9432.87	4102	0	0	43

1q21.1 distal duplication	Townsend Index (Reversed)	Age	1	5548.45	5548.45	2412.8	0	0	43
1q21.1 distal duplication	Townsend Index (Reversed)	Sex	1	367.52	367.52	159.82	1.29E-36	2.14E-36	43
1q21.1 distal duplication	Townsend Index (Reversed)	Ethnicity	1	1306.32	1306.32	568.07	2.44E-125	5.55E-125	43
1q21.1 distal duplication	Townsend Index (Reversed)	Interaction: DUP_1q21.1_distal:Townsend index (reversed)	1	16.37	16.37	7.12	0.01	0.01	43
1q21.1 distal duplication	Townsend Index (Reversed)	Residuals	159958	367833.7	2.3	NA	NA	NA	43
15q11.2 deletion	Townsend Index (Reversed)	DEL_15q11.2	1	1.05	1.05	0.46	0.50	0.57	44
15q11.2 deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	9473.6	9473.6	4118.2	0	0	44
15q11.2 deletion	Townsend Index (Reversed)	Age	1	5546.14	5546.14	2410.9	0	0	44
15q11.2 deletion	Townsend Index (Reversed)	Sex	1	361.24	361.24	157.03	5.24E-36	8.27E-36	44
15q11.2 deletion	Townsend Index (Reversed)	Ethnicity	1	1311.58	1311.58	570.14	8.68E-126	2.14E-125	44
15q11.2 deletion	Townsend Index (Reversed)	Interaction: DEL_15q11.2:Townsend index (reversed)	1	2.13	2.13	0.93	0.34	0.40	44
15q11.2 deletion	Townsend Index (Reversed)	Residuals	160317	368800.9	2.3	NA	NA	NA	44
15q11.2 duplication	Townsend Index (Reversed)	DUP_15q11.2	1	6.28	6.28	2.73	0.10	0.13	45
15q11.2 duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	9488.7	9488.7	4126.2	0	0	45
15q11.2 duplication	Townsend Index (Reversed)	Age	1	5558.61	5558.61	2417.2	0	0	45

15q11.2 duplication	Townsend Index (Reversed)	Sex	1	363.77	363.77	158.19	2.93E-36	4.69E-36	45
15q11.2 duplication	Townsend Index (Reversed)	Ethnicity	1	1314.23	1314.23	571.5	4.40E-126	1.09E-125	45
15q11.2 duplication	Townsend Index (Reversed)	Interaction: DUP_15q11.2:Townsend index (reversed)	1	0.95	0.95	0.42	0.52	0.58	45
15q11.2 duplication	Townsend Index (Reversed)	Residuals	160349	368738.7	2.3	NA	NA	NA	45
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	15.27	15.27	6.64	0.01	0.01	46
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	9446.74	9446.74	4107.8	0	0	46
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	Age	1	5547.57	5547.57	2412.3	0	0	46
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	Sex	1	365.58	365.58	158.97	1.98E-36	3.26E-36	46
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	Ethnicity	1	1308.04	1308.04	568.79	1.71E-125	4.01E-125	46
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:Townsend index (reversed)	1	0	0	0	1.00	1.00	46
15q13.3 CHRNA7 deletion	Townsend Index (Reversed)	Residuals	159915	367753.6	2.3	NA	NA	NA	46
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	0.32	0.32	0.14	0.71	0.76	47
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	9438.02	9438.02	4103.7	0	0	47
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	Age	1	5551.3	5551.3	2413.7	0	0	47
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	Sex	1	363.24	363.24	157.94	3.32E-36	5.28E-36	47

15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	Ethnicity	1	1309.75	1309.75	569.49	1.21E-125	2.92E-125	47
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	Interaction: ` DUP_15q13.3_BP4-BP5_CHRNA7`:Townsend index (reversed)	1	5.19	5.19	2.26	0.13	0.17	47
15q13.3 CHRNA7 duplication	Townsend Index (Reversed)	Residuals	159978	367929.1	2.3	NA	NA	NA	47
16p11.2 proximal deletion	Townsend Index (Reversed)	DEL_16p11.2_proximal	1	9.33	9.33	4.06	0.04	0.06	48
16p11.2 proximal deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	9450.77	9450.77	4109.8	0	0	48
16p11.2 proximal deletion	Townsend Index (Reversed)	Age	1	5544.72	5544.72	2411.2	0	0	48
16p11.2 proximal deletion	Townsend Index (Reversed)	Sex	1	366.22	366.22	159.25	1.72E-36	2.84E-36	48
16p11.2 proximal deletion	Townsend Index (Reversed)	Ethnicity	1	1308.47	1308.47	569	1.53E-125	3.67E-125	48
16p11.2 proximal deletion	Townsend Index (Reversed)	Interaction: DEL_16p11.2_proximal:Townsend index (reversed)	1	0.37	0.37	0.16	0.69	0.74	48
16p11.2 proximal deletion	Townsend Index (Reversed)	Residuals	159940	367796.2	2.3	NA	NA	NA	48
16p11.2 proximal duplication	Townsend Index (Reversed)	DUP_16p11.2_proximal	1	25.87	25.87	11.25	7.98E-04	0	49
16p11.2 proximal duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	9449.16	9449.16	4108.2	0	0	49
16p11.2 proximal duplication	Townsend Index (Reversed)	Age	1	5545.44	5545.44	2411	0	0	49
16p11.2 proximal duplication	Townsend Index (Reversed)	Sex	1	363.85	363.85	158.19	2.92E-36	4.69E-36	49

16p11.2 proximal duplication	Townsend Index (Reversed)	Ethnicity	1	1307.94	1307.94	568.66	1.82E-125	4.24E-125	49
16p11.2 proximal duplication	Townsend Index (Reversed)	Interaction: DUP_16p11.2_proximal:Townsend index (reversed)	1	0.29	0.29	0.13	0.72	0.77	49
16p11.2 proximal duplication	Townsend Index (Reversed)	Residuals	159946	367883.7	2.3	NA	NA	NA	49
16p11.2 distal deletion	Townsend Index (Reversed)	DEL_16p11.2_distal	1	26.12	26.12	11.36	7.52E-04	0	50
16p11.2 distal deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	9451.87	9451.87	4110.1	0	0	50
16p11.2 distal deletion	Townsend Index (Reversed)	Age	1	5542.74	5542.74	2410.2	0	0	50
16p11.2 distal deletion	Townsend Index (Reversed)	Sex	1	365.55	365.55	158.96	1.99E-36	3.27E-36	50
16p11.2 distal deletion	Townsend Index (Reversed)	Ethnicity	1	1307	1307	568.34	2.13E-125	4.91E-125	50
16p11.2 distal deletion	Townsend Index (Reversed)	Interaction: DEL_16p11.2_distal:Townsend index (reversed)	1	7.24	7.24	3.15	0.08	0.10	50
16p11.2 distal deletion	Townsend Index (Reversed)	Residuals	159918	367759.1	2.3	NA	NA	NA	50
16p11.2 distal duplication	Townsend Index (Reversed)	DUP_16p11.2_distal	1	0.02	0.02	0.01	0.93	0.94	51
16p11.2 distal duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	9441.07	9441.07	4105.7	0	0	51
16p11.2 distal duplication	Townsend Index (Reversed)	Age	1	5550.45	5550.45	2413.7	0	0	51
16p11.2 distal duplication	Townsend Index (Reversed)	Sex	1	364.82	364.82	158.65	2.32E-36	3.75E-36	51

16p11.2 distal duplication	Townsend Index (Reversed)	Ethnicity	1	1307.73	1307.73	568.7	1.79E-125	4.19E-125	51
16p11.2 distal duplication	Townsend Index (Reversed)	Interaction: DUP_16p11.2_distal:Townsend index (reversed)	1	5.14	5.14	2.24	0.13	0.17	51
16p11.2 distal duplication	Townsend Index (Reversed)	Residuals	159935	367774.7	2.3	NA	NA	NA	51
22q11.2 distal deletion	Townsend Index (Reversed)	DEL_22q11.2_distal	1	14.14	14.14	6.15	0.01	0.02	52
22q11.2 distal deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	9450.34	9450.34	4109.3	0	0	52
22q11.2 distal deletion	Townsend Index (Reversed)	Age	1	5545.05	5545.05	2411.2	0	0	52
22q11.2 distal deletion	Townsend Index (Reversed)	Sex	1	365.37	365.37	158.87	2.07E-36	3.39E-36	52
22q11.2 distal deletion	Townsend Index (Reversed)	Ethnicity	1	1309.95	1309.95	569.61	1.14E-125	2.77E-125	52
22q11.2 distal deletion	Townsend Index (Reversed)	Interaction: DEL_22q11.2_distal:Townsend index (reversed)	1	14.41	14.41	6.27	0.01	0.02	52
22q11.2 distal deletion	Townsend Index (Reversed)	Residuals	159912	367757	2.3	NA	NA	NA	52
22q11.2 distal duplication	Townsend Index (Reversed)	DUP_22q11.2_distal	1	0.44	0.44	0.19	0.66	0.72	53
22q11.2 distal duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	9447.95	9447.95	4108.3	0	0	53
22q11.2 distal duplication	Townsend Index (Reversed)	Age	1	5542.23	5542.23	2409.9	0	0	53
22q11.2 distal duplication	Townsend Index (Reversed)	Sex	1	365.05	365.05	158.73	2.23E-36	3.61E-36	53

22q11.2 distal duplication	Townsend Index (Reversed)	Ethnicity	1	1307.53	1307.53	568.56	1.92E-125	4.44E-125	53
22q11.2 distal duplication	Townsend Index (Reversed)	Interaction: DUP_22q11.2_distal:Townsend index (reversed)	1	0.11	0.11	0.05	0.83	0.86	53
22q11.2 distal duplication	Townsend Index (Reversed)	Residuals	159985	367923.2	2.3	NA	NA	NA	53
22q11.2 proximal deletion	Townsend Index (Reversed)	DEL_22q11.2_proximal	1	0.85	0.85	0.37	0.54	0.60	54
22q11.2 proximal deletion	Townsend Index (Reversed)	Townsend index (reversed)	1	9445.62	9445.62	4107.3	0	0	54
22q11.2 proximal deletion	Townsend Index (Reversed)	Age	1	5546.43	5546.43	2411.8	0	0	54
22q11.2 proximal deletion	Townsend Index (Reversed)	Sex	1	365.18	365.18	158.79	2.16E-36	3.52E-36	54
22q11.2 proximal deletion	Townsend Index (Reversed)	Ethnicity	1	1308.5	1308.5	568.98	1.55E-125	3.69E-125	54
22q11.2 proximal deletion	Townsend Index (Reversed)	Interaction: DEL_22q11.2_proximal:Townsend index (reversed)	1	1.36	1.36	0.59	0.44	0.51	54
22q11.2 proximal deletion	Townsend Index (Reversed)	Residuals	159903	367730.1	2.3	NA	NA	NA	54
22q11.2 proximal duplication	Townsend Index (Reversed)	DUP_22q11.2_proximal	1	17.74	17.74	7.71	0.01	0.01	55
22q11.2 proximal duplication	Townsend Index (Reversed)	Townsend index (reversed)	1	9451.04	9451.04	4108.6	0	0	55
22q11.2 proximal duplication	Townsend Index (Reversed)	Age	1	5542.18	5542.18	2409.3	0	0	55
22q11.2 proximal duplication	Townsend Index (Reversed)	Sex	1	361.99	361.99	157.37	4.42E-36	7.01E-36	55

22q11.2 proximal duplication	Townsend Index (Reversed)	Ethnicity	1	1308.51	1308.51	568.85	1.66E-125	3.93E-125	55
22q11.2 proximal duplication	Townsend Index (Reversed)	Interaction: DUP_22q11.2_proximal:Townsend index (reversed)	1	0.06	0.06	0.02	0.88	0.90	55
22q11.2 proximal duplication	Townsend Index (Reversed)	Residuals	159989	368021.5	2.3	NA	NA	NA	55
1q21.1 distal deletion	SES Class	DEL_1q21.1_distal	1	0.16	0.16	0.07	0.79	0.83	56
1q21.1 distal deletion	SES Class	class	2	4856.22	2428.11	1070.6	0	0	56
1q21.1 distal deletion	SES Class	Age	1	9357.6	9357.6	4126	0	0	56
1q21.1 distal deletion	SES Class	Sex	1	546.49	546.49	240.96	2.70E-54	5.16E-54	56
1q21.1 distal deletion	SES Class	Ethnicity	1	1495.4	1495.4	659.36	4.53E-145	1.21E-144	56
1q21.1 distal deletion	SES Class	Interaction: DEL_1q21.1_distal:class	2	19.8	9.9	4.36	0.01	0.02	56
1q21.1 distal deletion	SES Class	Residuals	137677	312244.9	2.27	NA	NA	NA	56
1q21.1 distal duplication	SES Class	DUP_1q21.1_distal	1	3.12	3.12	1.37	0.24	0.29	57
1q21.1 distal duplication	SES Class	class	2	4845.96	2422.98	1068.4	0	0	57
1q21.1 distal duplication	SES Class	Age	1	9361.74	9361.74	4128	0	0	57
1q21.1 distal duplication	SES Class	Sex	1	550.18	550.18	242.6	1.19E-54	2.37E-54	57
1q21.1 distal duplication	SES Class	Ethnicity	1	1490.68	1490.68	657.3	1.26E-144	3.15E-144	57
1q21.1 distal duplication	SES Class	Interaction: DUP_1q21.1_distal:class	2	5.47	2.74	1.21	0.30	0.36	57
1q21.1 distal duplication	SES Class	Residuals	137700	312285	2.27	NA	NA	NA	57
15q11.2 deletion	SES Class	DEL_15q11.2	1	0.89	0.89	0.39	0.53	0.59	58
15q11.2 deletion	SES Class	class	2	4864.62	2432.31	1071.9	0	0	58
15q11.2 deletion	SES Class	Age	1	9379.27	9379.27	4133.5	0	0	58
15q11.2 deletion	SES Class	Sex	1	544.15	544.15	239.81	4.81E-54	9.10E-54	58
15q11.2 deletion	SES Class	Ethnicity	1	1501.77	1501.77	661.84	1.32E-145	3.55E-145	58
15q11.2 deletion	SES Class	Interaction: DEL_15q11.2:class	2	2.1	1.05	0.46	0.63	0.69	58
15q11.2 deletion	SES Class	Residuals	138007	313151.6	2.27	NA	NA	NA	58
15q11.2 duplication	SES Class	DUP_15q11.2	1	10.27	10.27	4.53	0.03	0.04	59
15q11.2 duplication	SES Class	class	2	4874.39	2437.19	1074.8	0	0	59
15q11.2 duplication	SES Class	Age	1	9383.87	9383.87	4138.3	0	0	59

15q11.2 duplication	SES Class	Sex	1	545.62	545.62	240.62	3.21E-54	6.10E-54	59
15q11.2 duplication	SES Class	Ethnicity	1	1498.47	1498.47	660.82	2.19E-145	5.86E-145	59
15q11.2 duplication	SES Class	Interaction: DUP_15q11.2:class	2	3.11	1.55	0.68	0.50	0.57	59
15q11.2 duplication	SES Class	Residuals	138034	313004.8	2.27	NA	NA	NA	59
15q13.3 CHRNA7 deletion	SES Class	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	13.32	13.32	5.87	0.02	0.02	60
15q13.3 CHRNA7 deletion	SES Class	class	2	4848.52	2424.26	1069	0	0	60
15q13.3 CHRNA7 deletion	SES Class	Age	1	9368.34	9368.34	4131	0	0	60
15q13.3 CHRNA7 deletion	SES Class	Sex	1	548.39	548.39	241.81	1.76E-54	3.49E-54	60
15q13.3 CHRNA7 deletion	SES Class	Ethnicity	1	1493.97	1493.97	658.77	6.09E-145	1.56E-144	60
15q13.3 CHRNA7 deletion	SES Class	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:class	2	6.65	3.33	1.47	0.23	0.28	60
15q13.3 CHRNA7 deletion	SES Class	Residuals	137667	312204.9	2.27	NA	NA	NA	60
15q13.3 CHRNA7 duplication	SES Class	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	0.65	0.65	0.29	0.59	0.65	61
15q13.3 CHRNA7 duplication	SES Class	class	2	4850.93	2425.46	1069.5	0	0	61
15q13.3 CHRNA7 duplication	SES Class	Age	1	9368.35	9368.35	4130.8	0	0	61
15q13.3 CHRNA7 duplication	SES Class	Sex	1	546.95	546.95	241.17	2.43E-54	4.67E-54	61
15q13.3 CHRNA7 duplication	SES Class	Ethnicity	1	1495.08	1495.08	659.23	4.84E-145	1.27E-144	61
15q13.3 CHRNA7 duplication	SES Class	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:class	2	5.6	2.8	1.23	0.29	0.35	61
15q13.3 CHRNA7 duplication	SES Class	Residuals	137715	312326.9	2.27	NA	NA	NA	61
16p11.2 proximal deletion	SES Class	DEL_16p11.2_proximal	1	4.52	4.52	1.99	0.16	0.20	62
16p11.2 proximal deletion	SES Class	class	2	4849.99	2425	1069.4	0	0	62
16p11.2 proximal deletion	SES Class	Age	1	9363.94	9363.94	4129.3	0	0	62
16p11.2 proximal deletion	SES Class	Sex	1	547.61	547.61	241.49	2.08E-54	4.04E-54	62
16p11.2 proximal deletion	SES Class	Ethnicity	1	1494.96	1494.96	659.25	4.78E-145	1.26E-144	62
16p11.2 proximal deletion	SES Class	Interaction: DEL_16p11.2_proximal:class	2	1.59	0.79	0.35	0.70	0.75	62
16p11.2 proximal deletion	SES Class	Residuals	137687	312227.5	2.27	NA	NA	NA	62
16p11.2 proximal duplication	SES Class	DUP_16p11.2_proximal	1	30.43	30.43	13.42	2.50E-04	3.68E-04	63
16p11.2 proximal duplication	SES Class	class	2	4846.19	2423.09	1068.3	0	0	63
16p11.2 proximal duplication	SES Class	Age	1	9363.92	9363.92	4128.3	0	0	63
16p11.2 proximal duplication	SES Class	Sex	1	547.37	547.37	241.32	2.25E-54	4.37E-54	63

16p11.2 proximal duplication	SES Class	Ethnicity	1	1493.9	1493.9	658.62	6.56E-145	1.67E-144	63
16p11.2 proximal duplication	SES Class	Interaction: DUP_16p11.2_proximal:class	2	0.25	0.12	0.06	0.95	0.96	63
16p11.2 proximal duplication	SES Class	Residuals	137690	312312.2	2.27	NA	NA	NA	63
16p11.2 distal deletion	SES Class	DEL_16p11.2_distal	1	15.2	15.2	6.7	0.01	0.01	64
16p11.2 distal deletion	SES Class	class	2	4845.12	2422.56	1068.2	0	0	64
16p11.2 distal deletion	SES Class	Age	1	9359.61	9359.61	4127.1	0	0	64
16p11.2 distal deletion	SES Class	Sex	1	548.06	548.06	241.66	1.90E-54	3.75E-54	64
16p11.2 distal deletion	SES Class	Ethnicity	1	1494.99	1494.99	659.21	4.89E-145	1.28E-144	64
16p11.2 distal deletion	SES Class	Interaction: DEL_16p11.2_distal:class	1	5.49	5.49	2.42	0.12	0.15	64
16p11.2 distal deletion	SES Class	Residuals	137667	312208.8	2.27	NA	NA	NA	64
16p11.2 distal duplication	SES Class	DUP_16p11.2_distal	1	0.04	0.04	0.02	0.90	0.92	65
16p11.2 distal duplication	SES Class	class	2	4844.91	2422.45	1068.2	0	0	65
16p11.2 distal duplication	SES Class	Age	1	9372.4	9372.4	4133	0	0	65
16p11.2 distal duplication	SES Class	Sex	1	547.62	547.62	241.49	2.07E-54	4.04E-54	65
16p11.2 distal duplication	SES Class	Ethnicity	1	1492.85	1492.85	658.31	7.65E-145	1.92E-144	65
16p11.2 distal duplication	SES Class	Interaction: DUP_16p11.2_distal:class	2	3.71	1.85	0.82	0.44	0.51	65
16p11.2 distal duplication	SES Class	Residuals	137684	312225.7	2.27	NA	NA	NA	65
22q11.2 distal deletion	SES Class	DEL_22q11.2_distal	1	6.15	6.15	2.71	0.10	0.13	66
22q11.2 distal deletion	SES Class	class	2	4849.06	2424.53	1069	0	0	66
22q11.2 distal deletion	SES Class	Age	1	9363.87	9363.87	4128.6	0	0	66
22q11.2 distal deletion	SES Class	Sex	1	547.98	547.98	241.61	1.95E-54	3.83E-54	66
22q11.2 distal deletion	SES Class	Ethnicity	1	1494.61	1494.61	658.99	5.45E-145	1.40E-144	66
22q11.2 distal deletion	SES Class	Interaction: DEL_22q11.2_distal:class	2	2.56	1.28	0.56	0.57	0.63	66
22q11.2 distal deletion	SES Class	Residuals	137663	312223.5	2.27	NA	NA	NA	66
22q11.2 distal duplication	SES Class	DUP_22q11.2_distal	1	0.1	0.1	0.04	0.84	0.87	67
22q11.2 distal duplication	SES Class	class	2	4851.42	2425.71	1069.5	0	0	67
22q11.2 distal duplication	SES Class	Age	1	9359.38	9359.38	4126.7	0	0	67
22q11.2 distal duplication	SES Class	Sex	1	547.31	547.31	241.31	2.26E-54	4.37E-54	67
22q11.2 distal duplication	SES Class	Ethnicity	1	1493.37	1493.37	658.44	7.16E-145	1.81E-144	67
22q11.2 distal duplication	SES Class	Interaction: DUP_22q11.2_distal:class	2	3.18	1.59	0.7	0.50	0.56	67
22q11.2 distal duplication	SES Class	Residuals	137723	312360.6	2.27	NA	NA	NA	67

22q11.2 proximal duplication	SES Class	DUP_22q11.2_proximal	1	31.02	31.02	13.67	2.18E-04	3.23E-04	68
22q11.2 proximal duplication	SES Class	class	2	4853.96	2426.98	1069.9	0	0	68
22q11.2 proximal duplication	SES Class	Age	1	9361.82	9361.82	4126.9	0	0	68
22q11.2 proximal duplication	SES Class	Sex	1	543.5	543.5	239.59	5.37E-54	1.01E-53	68
22q11.2 proximal duplication	SES Class	Ethnicity	1	1494.98	1494.98	659.03	5.34E-145	1.39E-144	68
22q11.2 proximal duplication	SES Class	Interaction: DUP_22q11.2_proximal:class	2	1.74	0.87	0.38	0.68	0.73	68
22q11.2 proximal duplication	SES Class	Residuals	137726	312426.6	2.27	NA	NA	NA	68

Table S5. ANOVA model summary for CNV–stress main and interaction effects on fluid intelligence. The table presents the results of separate ANOVA models examining the main effects of CNV carrier status and its interaction with adult/child stress, with age, sex, and ethnicity included as covariates, influencing fluid intelligence: degrees of freedom (Df), sums of squares (Sum Sq), mean squares (Mean Sq), F values, raw p-values, and FDR-corrected p-values. Statistically significant values ($p < 0.05$) are highlighted in bold.

CNV	Variable	Term	Df	Sum Sq	Mean Sq	F value	p-value	FDR-corrected p	Model
1q21.1 distal deletion	Stress (Adult)	DEL_1q21.1_distal	1	23.27	23.27	5.32	0.02	0.03	1
1q21.1 distal deletion	Stress (Adult)	Stress (Adult)	1	2041.65	2041.65	466.99	2.03E-103	4.22E-103	1
1q21.1 distal deletion	Stress (Adult)	Age	1	1451.2	1451.2	331.94	4.32E-74	7.46E-74	1
1q21.1 distal deletion	Stress (Adult)	Sex	1	2570.58	2570.58	587.98	1.19E-129	3.47E-129	1
1q21.1 distal deletion	Stress (Adult)	Ethnicity	1	40637.79	40637.79	9295.26	0	0	1
1q21.1 distal deletion	Stress (Adult)	Interaction: DEL_1q21.1_distal:Stress (Adult)	1	0.01	0.01	0	0.96	0.98	1
1q21.1 distal deletion	Stress (Adult)	Residuals	159549	697529.4	4.37	NA	NA	NA	1
1q21.1 distal duplication	Stress (Adult)	DUP_1q21.1_distal	1	17.14	17.14	3.92	0.05	0.06	2
1q21.1 distal duplication	Stress (Adult)	Stress (Adult)	1	2042.84	2042.84	467.15	1.88E-103	4.00E-103	2
1q21.1 distal duplication	Stress (Adult)	Age	1	1454.6	1454.6	332.64	3.05E-74	5.68E-74	2
1q21.1 distal duplication	Stress (Adult)	Sex	1	2573.29	2573.29	588.45	9.35E-130	2.84E-129	2
1q21.1 distal duplication	Stress (Adult)	Ethnicity	1	40624.26	40624.26	9289.88	0	0	2
1q21.1 distal duplication	Stress (Adult)	Interaction: DUP_1q21.1_distal:Stress (Adult)	1	1.98	1.98	0.45	0.50	0.56	2
1q21.1 distal duplication	Stress (Adult)	Residuals	159583	697849.6	4.37	NA	NA	NA	2
15q11.2 deletion	Stress (Adult)	DEL_15q11.2	1	100.06	100.06	22.9	1.71E-06	2.42E-06	3
15q11.2 deletion	Stress (Adult)	Stress (Adult)	1	2051.34	2051.34	469.43	6.02E-104	1.39E-103	3
15q11.2 deletion	Stress (Adult)	Age	1	1454.74	1454.74	332.9	2.67E-74	5.08E-74	3
15q11.2 deletion	Stress (Adult)	Sex	1	2584	2584	591.33	2.23E-130	8.50E-130	3
15q11.2 deletion	Stress (Adult)	Ethnicity	1	40633.48	40633.48	9298.6	0	0	3
15q11.2 deletion	Stress (Adult)	Interaction: DEL_15q11.2:Stress (Adult)	1	0.7	0.7	0.16	0.69	0.72	3
15q11.2 deletion	Stress (Adult)	Residuals	159940	698913.7	4.37	NA	NA	NA	3
15q11.2 duplication	Stress (Adult)	DUP_15q11.2	1	0	0	0	0.98	0.98	4
15q11.2 duplication	Stress (Adult)	Stress (Adult)	1	2051.99	2051.99	469.29	6.47E-104	1.47E-103	4
15q11.2 duplication	Stress (Adult)	Age	1	1439.65	1439.65	329.25	1.66E-73	2.46E-73	4
15q11.2 duplication	Stress (Adult)	Sex	1	2580.68	2580.68	590.2	3.91E-130	1.46E-129	4

15q11.2 duplication	Stress (Adult)	Ethnicity	1	40697.02	40697.02	9307.35	0	0	4
15q11.2 duplication	Stress (Adult)	Interaction: DUP_15q11.2:Stress (Adult)	1	0.99	0.99	0.23	0.63	0.67	4
15q11.2 duplication	Stress (Adult)	Residuals	159964	699453.3	4.37	NA	NA	NA	4
15q13.3 CHRNA7 deletion	Stress (Adult)	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	2.12	2.12	0.48	0.49	0.54	5
15q13.3 CHRNA7 deletion	Stress (Adult)	Stress (Adult)	1	2039.21	2039.21	466.44	2.68E-103	5.31E-103	5
15q13.3 CHRNA7 deletion	Stress (Adult)	Age	1	1453.5	1453.5	332.47	3.32E-74	6.01E-74	5
15q13.3 CHRNA7 deletion	Stress (Adult)	Sex	1	2573.41	2573.41	588.63	8.57E-130	2.81E-129	5
15q13.3 CHRNA7 deletion	Stress (Adult)	Ethnicity	1	40633.96	40633.96	9294.42	0	0	5
15q13.3 CHRNA7 deletion	Stress (Adult)	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:Stress (Adult)	1	8.78	8.78	2.01	0.16	0.19	5
15q13.3 CHRNA7 deletion	Stress (Adult)	Residuals	159534	697461.6	4.37	NA	NA	NA	5
15q13.3 CHRNA7 duplication	Stress (Adult)	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	85.57	85.57	19.57	9.68E-06	1.35E-05	6
15q13.3 CHRNA7 duplication	Stress (Adult)	Stress (Adult)	1	2042.53	2042.53	467.21	1.83E-103	3.98E-103	6
15q13.3 CHRNA7 duplication	Stress (Adult)	Age	1	1460.46	1460.46	334.07	1.49E-74	2.88E-74	6
15q13.3 CHRNA7 duplication	Stress (Adult)	Sex	1	2571.62	2571.62	588.23	1.04E-129	3.12E-129	6
15q13.3 CHRNA7 duplication	Stress (Adult)	Ethnicity	1	40627.16	40627.16	9293.07	0	0	6
15q13.3 CHRNA7 duplication	Stress (Adult)	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:Stress (Adult)	1	0	0	0	0.98	0.98	6
15q13.3 CHRNA7 duplication	Stress (Adult)	Residuals	159603	697747.7	4.37	NA	NA	NA	6
16p11.2 proximal deletion	Stress (Adult)	DEL_16p11.2_proximal	1	10.85	10.85	2.48	0.12	0.14	7
16p11.2 proximal deletion	Stress (Adult)	Stress (Adult)	1	2041.8	2041.8	467.02	2.00E-103	4.21E-103	7
16p11.2 proximal deletion	Stress (Adult)	Age	1	1449.14	1449.14	331.46	5.48E-74	9.08E-74	7
16p11.2 proximal deletion	Stress (Adult)	Sex	1	2572.87	2572.87	588.5	9.16E-130	2.84E-129	7
16p11.2 proximal deletion	Stress (Adult)	Ethnicity	1	40607.43	40607.43	9288.2	0	0	7
16p11.2 proximal deletion	Stress (Adult)	Interaction: DEL_16p11.2_proximal:Stress (Adult)	1	0.68	0.68	0.16	0.69	0.72	7
16p11.2 proximal deletion	Stress (Adult)	Residuals	159565	697608.3	4.37	NA	NA	NA	7
16p11.2 proximal duplication	Stress (Adult)	DUP_16p11.2_proximal	1	169.66	169.66	38.81	4.69E-10	6.74E-10	8
16p11.2 proximal duplication	Stress (Adult)	Stress (Adult)	1	2048.93	2048.93	468.68	8.76E-104	1.97E-103	8
16p11.2 proximal duplication	Stress (Adult)	Age	1	1449.57	1449.57	331.58	5.18E-74	8.66E-74	8
16p11.2 proximal duplication	Stress (Adult)	Sex	1	2574.5	2574.5	588.9	7.48E-130	2.61E-129	8

16p11.2 proximal duplication	Stress (Adult)	Ethnicity	1	40626.7	40626.7	9293.11	0	0	8
16p11.2 proximal duplication	Stress (Adult)	Interaction: DUP_16p11.2_proximal:Stress (Adult)	1	29.54	29.54	6.76	0.01	0.01	8
16p11.2 proximal duplication	Stress (Adult)	Residuals	159571	697596.9	4.37	NA	NA	NA	8
16p11.2 distal deletion	Stress (Adult)	DEL_16p11.2_distal	1	83.76	83.76	19.16	1.20E-05	1.64E-05	9
16p11.2 distal deletion	Stress (Adult)	Stress (Adult)	1	2039.99	2039.99	466.62	2.45E-103	4.90E-103	9
16p11.2 distal deletion	Stress (Adult)	Age	1	1450.65	1450.65	331.82	4.59E-74	7.85E-74	9
16p11.2 distal deletion	Stress (Adult)	Sex	1	2573.18	2573.18	588.58	8.78E-130	2.82E-129	9
16p11.2 distal deletion	Stress (Adult)	Ethnicity	1	40646.81	40646.81	9297.44	0	0	9
16p11.2 distal deletion	Stress (Adult)	Interaction: DEL_16p11.2_distal:Stress (Adult)	1	2.46	2.46	0.56	0.45	0.52	9
16p11.2 distal deletion	Stress (Adult)	Residuals	159540	697481.7	4.37	NA	NA	NA	9
16p11.2 distal duplication	Stress (Adult)	DUP_16p11.2_distal	1	10.81	10.81	2.47	0.12	0.14	10
16p11.2 distal duplication	Stress (Adult)	Stress (Adult)	1	2042.38	2042.38	467.19	1.85E-103	3.98E-103	10
16p11.2 distal duplication	Stress (Adult)	Age	1	1452.01	1452.01	332.14	3.90E-74	6.88E-74	10
16p11.2 distal duplication	Stress (Adult)	Sex	1	2574.65	2574.65	588.95	7.32E-130	2.61E-129	10
16p11.2 distal duplication	Stress (Adult)	Ethnicity	1	40619.96	40619.96	9291.72	0	0	10
16p11.2 distal duplication	Stress (Adult)	Interaction: DUP_16p11.2_distal:Stress (Adult)	1	0.8	0.8	0.18	0.67	0.70	10
16p11.2 distal duplication	Stress (Adult)	Residuals	159558	697528.5	4.37	NA	NA	NA	10
22q11.2 distal deletion	Stress (Adult)	DEL_22q11.2_distal	1	8.25	8.25	1.89	0.17	0.20	11
22q11.2 distal deletion	Stress (Adult)	Stress (Adult)	1	2040.84	2040.84	466.8	2.25E-103	4.55E-103	11
22q11.2 distal deletion	Stress (Adult)	Age	1	1453.51	1453.51	332.46	3.33E-74	6.01E-74	11
22q11.2 distal deletion	Stress (Adult)	Sex	1	2573.6	2573.6	588.65	8.46E-130	2.81E-129	11
22q11.2 distal deletion	Stress (Adult)	Ethnicity	1	40629.34	40629.34	9293.07	0	0	11
22q11.2 distal deletion	Stress (Adult)	Residuals	159532	697474.4	4.37	NA	NA	NA	11
22q11.2 distal duplication	Stress (Adult)	DUP_22q11.2_distal	1	2.37	2.37	0.54	0.46	0.52	12
22q11.2 distal duplication	Stress (Adult)	Stress (Adult)	1	2044.47	2044.47	467.64	1.47E-103	3.26E-103	12
22q11.2 distal duplication	Stress (Adult)	Age	1	1453.87	1453.87	332.55	3.18E-74	5.86E-74	12
22q11.2 distal duplication	Stress (Adult)	Sex	1	2576.35	2576.35	589.3	6.12E-130	2.23E-129	12
22q11.2 distal duplication	Stress (Adult)	Ethnicity	1	40644.62	40644.62	9296.88	0	0	12

22q11.2 distal duplication	Stress (Adult)	Interaction: DUP_22q11.2_distal:Stress (Adult)	1	1.05	1.05	0.24	0.62	0.67	12
22q11.2 distal duplication	Stress (Adult)	Residuals	159603	697761.5	4.37	NA	NA	NA	12
22q11.2 proximal deletion	Stress (Adult)	DEL_22q11.2_proximal	1	33.02	33.02	7.55	0.01	0.01	13
22q11.2 proximal deletion	Stress (Adult)	Stress (Adult)	1	2040.84	2040.84	466.81	2.23E-103	4.55E-103	13
22q11.2 proximal deletion	Stress (Adult)	Age	1	1451.3	1451.3	331.96	4.27E-74	7.45E-74	13
22q11.2 proximal deletion	Stress (Adult)	Sex	1	2573.84	2573.84	588.73	8.16E-130	2.79E-129	13
22q11.2 proximal deletion	Stress (Adult)	Ethnicity	1	40627.75	40627.75	9293	0	0	13
22q11.2 proximal deletion	Stress (Adult)	Residuals	159527	697430.6	4.37	NA	NA	NA	13
22q11.2 proximal duplication	Stress (Adult)	DUP_22q11.2_proximal	1	80.41	80.41	18.4	1.80E-05	2.41E-05	14
22q11.2 proximal duplication	Stress (Adult)	Stress (Adult)	1	2038.5	2038.5	466.34	2.83E-103	5.52E-103	14
22q11.2 proximal duplication	Stress (Adult)	Age	1	1452.91	1452.91	332.37	3.48E-74	6.20E-74	14
22q11.2 proximal duplication	Stress (Adult)	Sex	1	2572.61	2572.61	588.52	9.05E-130	2.84E-129	14
22q11.2 proximal duplication	Stress (Adult)	Ethnicity	1	40595.31	40595.31	9286.74	0	0	14
22q11.2 proximal duplication	Stress (Adult)	Interaction: DUP_22q11.2_proximal:Stress (Adult)	1	3.79	3.79	0.87	0.35	0.41	14
22q11.2 proximal duplication	Stress (Adult)	Residuals	159612	697715.5	4.37	NA	NA	NA	14
1q21.1 distal deletion	Stress (Child)	DEL_1q21.1_distal	1	23.27	23.27	5.33	0.02	0.03	15
1q21.1 distal deletion	Stress (Child)	Stress (Child)	1	2880.91	2880.91	659.65	3.53E-145	1.75E-144	15
1q21.1 distal deletion	Stress (Child)	Age	1	1444.42	1444.42	330.73	7.92E-74	1.21E-73	15
1q21.1 distal deletion	Stress (Child)	Sex	1	2395.86	2395.86	548.58	4.11E-121	9.62E-121	15
1q21.1 distal deletion	Stress (Child)	Ethnicity	1	40700.87	40700.87	9319.33	0	0	15
1q21.1 distal deletion	Stress (Child)	Interaction: DEL_1q21.1_distal:Stress (Child)	1	0.27	0.27	0.06	0.81	0.83	15
1q21.1 distal deletion	Stress (Child)	Residuals	159549	696808.3	4.37	NA	NA	NA	15
1q21.1 distal duplication	Stress (Child)	DUP_1q21.1_distal	1	17.14	17.14	3.92	0.05	0.06	16
1q21.1 distal duplication	Stress (Child)	Stress (Child)	1	2887.94	2887.94	661.11	1.70E-145	8.97E-145	16
1q21.1 distal duplication	Stress (Child)	Age	1	1447.54	1447.54	331.37	5.74E-74	9.41E-74	16
1q21.1 distal duplication	Stress (Child)	Sex	1	2398.85	2398.85	549.15	3.09E-121	7.62E-121	16
1q21.1 distal duplication	Stress (Child)	Ethnicity	1	40688.2	40688.2	9314.43	0	0	16
1q21.1 distal duplication	Stress (Child)	Interaction: DUP_1q21.1_distal:Stress (Child)	1	18.18	18.18	4.16	0.04	0.05	16
1q21.1 distal duplication	Stress (Child)	Residuals	159583	697105.8	4.37	NA	NA	NA	16

15q11.2 deletion	Stress (Child)	DEL_15q11.2	1	100.06	100.06	22.92	1.69E-06	2.41E-06	17
15q11.2 deletion	Stress (Child)	Stress (Child)	1	2892.94	2892.94	662.71	7.65E-146	4.18E-145	17
15q11.2 deletion	Stress (Child)	Age	1	1447.94	1447.94	331.69	4.89E-74	8.27E-74	17
15q11.2 deletion	Stress (Child)	Sex	1	2407.98	2407.98	551.62	9.02E-122	2.60E-121	17
15q11.2 deletion	Stress (Child)	Ethnicity	1	40696.73	40696.73	9322.71	0	0	17
15q11.2 deletion	Stress (Child)	Interaction: DEL_15q11.2:Stress (Child)	1	0.89	0.89	0.2	0.65	0.69	17
15q11.2 deletion	Stress (Child)	Residuals	159940	698191.5	4.37	NA	NA	NA	17
15q11.2 duplication	Stress (Child)	DUP_15q11.2	1	0	0	0	0.98	0.98	18
15q11.2 duplication	Stress (Child)	Stress (Child)	1	2896.01	2896.01	663	6.61E-146	3.74E-145	18
15q11.2 duplication	Stress (Child)	Age	1	1432.15	1432.15	327.87	3.31E-73	4.85E-73	18
15q11.2 duplication	Stress (Child)	Sex	1	2405.72	2405.72	550.75	1.39E-121	3.92E-121	18
15q11.2 duplication	Stress (Child)	Ethnicity	1	40759.51	40759.51	9331.31	0	0	18
15q11.2 duplication	Stress (Child)	Interaction: DUP_15q11.2:Stress (Child)	1	1.79	1.79	0.41	0.52	0.58	18
15q11.2 duplication	Stress (Child)	Residuals	159964	698728.4	4.37	NA	NA	NA	18
15q13.3 CHRNA7 deletion	Stress (Child)	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	2.12	2.12	0.49	0.49	0.54	19
15q13.3 CHRNA7 deletion	Stress (Child)	Stress (Child)	1	2877.19	2877.19	658.79	5.41E-145	2.11E-144	19
15q13.3 CHRNA7 deletion	Stress (Child)	Age	1	1446.71	1446.71	331.25	6.10E-74	9.80E-74	19
15q13.3 CHRNA7 deletion	Stress (Child)	Sex	1	2398.49	2398.49	549.18	3.05E-121	7.62E-121	19
15q13.3 CHRNA7 deletion	Stress (Child)	Ethnicity	1	40696.98	40696.98	9318.38	0	0	19
15q13.3 CHRNA7 deletion	Stress (Child)	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:Stress (Child)	1	4.11	4.11	0.94	0.33	0.39	19
15q13.3 CHRNA7 deletion	Stress (Child)	Residuals	159534	696747	4.37	NA	NA	NA	19
15q13.3 CHRNA7 duplication	Stress (Child)	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	85.57	85.57	19.59	9.58E-06	1.34E-05	20
15q13.3 CHRNA7 duplication	Stress (Child)	Stress (Child)	1	2877.14	2877.14	658.8	5.39E-145	2.11E-144	20
15q13.3 CHRNA7 duplication	Stress (Child)	Age	1	1453.68	1453.68	332.86	2.73E-74	5.14E-74	20
15q13.3 CHRNA7 duplication	Stress (Child)	Sex	1	2396.63	2396.63	548.77	3.74E-121	8.88E-121	20
15q13.3 CHRNA7 duplication	Stress (Child)	Ethnicity	1	40690.33	40690.33	9317.11	0	0	20
15q13.3 CHRNA7 duplication	Stress (Child)	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:Stress (Child)	1	2.65	2.65	0.61	0.44	0.51	20
15q13.3 CHRNA7 duplication	Stress (Child)	Residuals	159603	697029.1	4.37	NA	NA	NA	20
16p11.2 proximal deletion	Stress (Child)	DEL_16p11.2_proximal	1	10.85	10.85	2.48	0.12	0.14	21

16p11.2 proximal deletion	Stress (Child)	Stress (Child)	1	2879.08	2879.08	659.22	4.37E-145	1.95E-144	21
16p11.2 proximal deletion	Stress (Child)	Age	1	1442.37	1442.37	330.26	1.00E-73	1.50E-73	21
16p11.2 proximal deletion	Stress (Child)	Sex	1	2397.81	2397.81	549.02	3.30E-121	7.96E-121	21
16p11.2 proximal deletion	Stress (Child)	Ethnicity	1	40671.56	40671.56	9312.48	0	0	21
16p11.2 proximal deletion	Stress (Child)	Interaction: DEL_16p11.2_proximal:Stress (Child)	1	1.38	1.38	0.32	0.57	0.63	21
16p11.2 proximal deletion	Stress (Child)	Residuals	159565	696888	4.37	NA	NA	NA	21
16p11.2 proximal duplication	Stress (Child)	DUP_16p11.2_proximal	1	169.66	169.66	38.85	4.59E-10	6.67E-10	22
16p11.2 proximal duplication	Stress (Child)	Stress (Child)	1	2880.33	2880.33	659.5	3.79E-145	1.83E-144	22
16p11.2 proximal duplication	Stress (Child)	Age	1	1443.11	1443.11	330.43	9.22E-74	1.39E-73	22
16p11.2 proximal duplication	Stress (Child)	Sex	1	2398.66	2398.66	549.22	2.99E-121	7.62E-121	22
16p11.2 proximal duplication	Stress (Child)	Ethnicity	1	40690.15	40690.15	9316.76	0	0	22
16p11.2 proximal duplication	Stress (Child)	Interaction: DUP_16p11.2_proximal:Stress (Child)	1	0.99	0.99	0.23	0.63	0.67	22
16p11.2 proximal duplication	Stress (Child)	Residuals	159571	696912.9	4.37	NA	NA	NA	22
16p11.2 distal deletion	Stress (Child)	DEL_16p11.2_distal	1	83.76	83.76	19.18	1.19E-05	1.64E-05	23
16p11.2 distal deletion	Stress (Child)	Stress (Child)	1	2878.94	2878.94	659.2	4.40E-145	1.95E-144	23
16p11.2 distal deletion	Stress (Child)	Age	1	1443.75	1443.75	330.58	8.53E-74	1.30E-73	23
16p11.2 distal deletion	Stress (Child)	Sex	1	2398.36	2398.36	549.16	3.07E-121	7.62E-121	23
16p11.2 distal deletion	Stress (Child)	Ethnicity	1	40709.94	40709.94	9321.52	0	0	23
16p11.2 distal deletion	Stress (Child)	Interaction: DEL_16p11.2_distal:Stress (Child)	1	3.87	3.87	0.89	0.35	0.41	23
16p11.2 distal deletion	Stress (Child)	Residuals	159540	696759.9	4.37	NA	NA	NA	23
16p11.2 distal duplication	Stress (Child)	DUP_16p11.2_distal	1	10.81	10.81	2.48	0.12	0.14	24
16p11.2 distal duplication	Stress (Child)	Stress (Child)	1	2879.62	2879.62	659.38	4.02E-145	1.88E-144	24
16p11.2 distal duplication	Stress (Child)	Age	1	1445.01	1445.01	330.88	7.33E-74	1.15E-73	24
16p11.2 distal duplication	Stress (Child)	Sex	1	2399.57	2399.57	549.46	2.65E-121	7.24E-121	24
16p11.2 distal duplication	Stress (Child)	Ethnicity	1	40683.14	40683.14	9315.77	0	0	24
16p11.2 distal duplication	Stress (Child)	Interaction: DUP_16p11.2_distal:Stress (Child)	1	1.17	1.17	0.27	0.60	0.66	24
16p11.2 distal duplication	Stress (Child)	Residuals	159558	696809.8	4.37	NA	NA	NA	24

22q11.2 distal deletion	Stress (Child)	DEL_22q11.2_distal	1	8.25	8.25	1.89	0.17	0.20	25
22q11.2 distal deletion	Stress (Child)	Stress (Child)	1	2878.59	2878.59	659.09	4.65E-145	1.95E-144	25
22q11.2 distal deletion	Stress (Child)	Age	1	1446.65	1446.65	331.23	6.17E-74	9.82E-74	25
22q11.2 distal deletion	Stress (Child)	Sex	1	2398.57	2398.57	549.19	3.04E-121	7.62E-121	25
22q11.2 distal deletion	Stress (Child)	Ethnicity	1	40692.36	40692.36	9317.09	0	0	25
22q11.2 distal deletion	Stress (Child)	Residuals	159532	696755.5	4.37	NA	NA	NA	25
22q11.2 distal duplication	Stress (Child)	DUP_22q11.2_distal	1	2.37	2.37	0.54	0.46	0.52	26
22q11.2 distal duplication	Stress (Child)	Stress (Child)	1	2881.93	2881.93	659.88	3.14E-145	1.61E-144	26
22q11.2 distal duplication	Stress (Child)	Age	1	1446.83	1446.83	331.28	6.01E-74	9.75E-74	26
22q11.2 distal duplication	Stress (Child)	Sex	1	2401.04	2401.04	549.77	2.27E-121	6.31E-121	26
22q11.2 distal duplication	Stress (Child)	Ethnicity	1	40707.56	40707.56	9320.86	0	0	26
22q11.2 distal duplication	Stress (Child)	Interaction: DUP_22q11.2_distal:Stress (Child)	1	0.4	0.4	0.09	0.76	0.79	26
22q11.2 distal duplication	Stress (Child)	Residuals	159603	697044.1	4.37	NA	NA	NA	26
22q11.2 proximal deletion	Stress (Child)	DEL_22q11.2_proximal	1	33.02	33.02	7.56	0.01	0.01	27
22q11.2 proximal deletion	Stress (Child)	Stress (Child)	1	2878.59	2878.59	659.11	4.60E-145	1.95E-144	27
22q11.2 proximal deletion	Stress (Child)	Age	1	1444.44	1444.44	330.74	7.90E-74	1.21E-73	27
22q11.2 proximal deletion	Stress (Child)	Sex	1	2398.8	2398.8	549.26	2.93E-121	7.62E-121	27
22q11.2 proximal deletion	Stress (Child)	Ethnicity	1	40690.78	40690.78	9317.02	0	0	27
22q11.2 proximal deletion	Stress (Child)	Residuals	159527	696711.8	4.37	NA	NA	NA	27
22q11.2 proximal duplication	Stress (Child)	DUP_22q11.2_proximal	1	80.41	80.41	18.41	1.78E-05	2.41E-05	28
22q11.2 proximal duplication	Stress (Child)	Stress (Child)	1	2877.3	2877.3	658.9	5.11E-145	2.10E-144	28
22q11.2 proximal duplication	Stress (Child)	Age	1	1445.68	1445.68	331.06	6.71E-74	1.06E-73	28
22q11.2 proximal duplication	Stress (Child)	Sex	1	2397.99	2397.99	549.14	3.11E-121	7.62E-121	28
22q11.2 proximal duplication	Stress (Child)	Ethnicity	1	40658.1	40658.1	9310.69	0	0	28
22q11.2 proximal duplication	Stress (Child)	Interaction: DUP_22q11.2_proximal:Stress (Child)	1	2.5	2.5	0.57	0.45	0.52	28
22q11.2 proximal duplication	Stress (Child)	Residuals	159612	696997	4.37	NA	NA	NA	28

Table S6. ANOVA model summary for CNV–stress main and interaction effects on well-being. The table presents the results of separate ANOVA models examining the main effects of CNV carrier status and its interaction with adult/child stress, with age, sex, and ethnicity included as covariates, influencing well-being; degrees of freedom (Df), sums of squares (Sum Sq), mean squares (Mean Sq), F values, raw p-values, and FDR-corrected p-values. Statistically significant values ($p < 0.05$) are highlighted in bold.

CNV	Variable	Term	Df	Sum Sq	Mean Sq	F value	p-value	FDR-corrected	Model
1q21.1 distal deletion	Stress (Adult)	DEL_1q21.1_distal	1	0.44	0.44	0.19	0.66	0.72	1
1q21.1 distal deletion	Stress (Adult)	Stress (Adult)	1	1877.64	1877.6	806.29	6.39E-177	1.46E-176	1
1q21.1 distal deletion	Stress (Adult)	Age	1	6784.34	6784.3	2913.29	0	0	1
1q21.1 distal deletion	Stress (Adult)	Sex	1	547.82	547.82	235.24	4.68E-53	8.30E-53	1
1q21.1 distal deletion	Stress (Adult)	Ethnicity	1	3047.31	3047.3	1308.56	2.23E-285	1.12E-284	1
1q21.1 distal deletion	Stress (Adult)	Interaction: DEL_1q21.1_distal:Stress (Adult)	1	7.78	7.78	3.34	0.07	0.09	1
1q21.1 distal deletion	Stress (Adult)	Residuals	160186	373033.3	2.33	NA	NA	NA	1
1q21.1 distal duplication	Stress (Adult)	DUP_1q21.1_distal	1	5.4	5.4	2.32	0.13	0.16	2
1q21.1 distal duplication	Stress (Adult)	Stress (Adult)	1	1876.1	1876.1	805.71	8.51E-177	1.92E-176	2
1q21.1 distal duplication	Stress (Adult)	Age	1	6793.53	6793.5	2917.55	0	0	2
1q21.1 distal duplication	Stress (Adult)	Sex	1	552.15	552.15	237.13	1.82E-53	3.53E-53	2
1q21.1 distal duplication	Stress (Adult)	Ethnicity	1	3040.87	3040.9	1305.93	8.23E-285	3.16E-284	2
1q21.1 distal duplication	Stress (Adult)	Interaction: DUP_1q21.1_distal:Stress (Adult)	1	2.64	2.64	1.13	0.29	0.35	2
1q21.1 distal duplication	Stress (Adult)	Residuals	160217	373065.7	2.33	NA	NA	NA	2
15q11.2 deletion	Stress (Adult)	DEL_15q11.2	1	1.25	1.25	0.54	0.46	0.54	3
15q11.2 deletion	Stress (Adult)	Stress (Adult)	1	1888.69	1888.7	810.82	6.67E-178	1.55E-177	3
15q11.2 deletion	Stress (Adult)	Age	1	6791.79	6791.8	2915.72	0	0	3
15q11.2 deletion	Stress (Adult)	Sex	1	543.93	543.93	233.51	1.11E-52	1.88E-52	3
15q11.2 deletion	Stress (Adult)	Ethnicity	1	3051.11	3051.1	1309.84	1.17E-285	6.46E-285	3
15q11.2 deletion	Stress (Adult)	Interaction: DEL_15q11.2:Stress (Adult)	1	1.89	1.89	0.81	0.37	0.44	3
15q11.2 deletion	Stress (Adult)	Residuals	160579	374047.8	2.33	NA	NA	NA	3
15q11.2 duplication	Stress (Adult)	DUP_15q11.2	1	6.22	6.22	2.67	0.10	0.13	4
15q11.2 duplication	Stress (Adult)	Stress (Adult)	1	1875.76	1875.8	805.52	9.34E-177	2.08E-176	4
15q11.2 duplication	Stress (Adult)	Age	1	6812.53	6812.5	2925.56	0	0	4

15q11.2 duplication	Stress (Adult)	Sex	1	547.36	547.36	235.06	5.13E-53	9.00E-53	4
15q11.2 duplication	Stress (Adult)	Ethnicity	1	3059.2	3059.2	1313.74	1.70E-286	9.66E-286	4
15q11.2 duplication	Stress (Adult)	Interaction: DUP_15q11.2:Stress (Adult)	1	0	0	0	0.98	0.98	4
15q11.2 duplication	Stress (Adult)	Residuals	160608	373995.9	2.33	NA	NA	NA	4
15q13.3 CHRNA7 deletion	Stress (Adult)	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	15.26	15.26	6.55	0.01	0.01	5
15q13.3 CHRNA7 deletion	Stress (Adult)	Stress (Adult)	1	1875.05	1875.1	805.23	1.08E-176	2.38E-176	5
15q13.3 CHRNA7 deletion	Stress (Adult)	Age	1	6794.61	6794.6	2917.92	0	0	5
15q13.3 CHRNA7 deletion	Stress (Adult)	Sex	1	549.65	549.65	236.05	3.12E-53	5.93E-53	5
15q13.3 CHRNA7 deletion	Stress (Adult)	Ethnicity	1	3044.58	3044.6	1307.48	3.82E-285	1.66E-284	5
15q13.3 CHRNA7 deletion	Stress (Adult)	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:Stress (Adult)	1	5.19	5.19	2.23	0.14	0.17	5
15q13.3 CHRNA7 deletion	Stress (Adult)	Residuals	160174	372978.2	2.33	NA	NA	NA	5
15q13.3 CHRNA7 duplication	Stress (Adult)	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	0.32	0.32	0.14	0.71	0.75	6
15q13.3 CHRNA7 duplication	Stress (Adult)	Stress (Adult)	1	1864.32	1864.3	800.57	1.10E-175	2.16E-175	6
15q13.3 CHRNA7 duplication	Stress (Adult)	Age	1	6797.08	6797.1	2918.78	0	0	6
15q13.3 CHRNA7 duplication	Stress (Adult)	Sex	1	546.38	546.38	234.63	6.37E-53	1.09E-52	6
15q13.3 CHRNA7 duplication	Stress (Adult)	Ethnicity	1	3045.65	3045.7	1307.85	3.17E-285	1.49E-284	6
15q13.3 CHRNA7 duplication	Stress (Adult)	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:Stress (Adult)	1	18.57	18.57	7.97	0	0.01	6
15q13.3 CHRNA7 duplication	Stress (Adult)	Residuals	160237	373150.4	2.33	NA	NA	NA	6
16p11.2 proximal deletion	Stress (Adult)	DEL_16p11.2_proximal	1	9.31	9.31	4	0.05	0.06	7
16p11.2 proximal deletion	Stress (Adult)	Stress (Adult)	1	1872.16	1872.2	804	1.99E-176	3.96E-176	7
16p11.2 proximal deletion	Stress (Adult)	Age	1	6791.42	6791.4	2916.59	0	0	7
16p11.2 proximal deletion	Stress (Adult)	Sex	1	550.06	550.06	236.23	2.85E-53	5.48E-53	7
16p11.2 proximal deletion	Stress (Adult)	Ethnicity	1	3045.82	3045.8	1308.04	2.90E-285	1.41E-284	7
16p11.2 proximal deletion	Stress (Adult)	Interaction: DEL_16p11.2_proximal:Stress (Adult)	1	2.4	2.4	1.03	0.31	0.37	7
16p11.2 proximal deletion	Stress (Adult)	Residuals	160199	373030.7	2.33	NA	NA	NA	7
16p11.2 proximal duplication	Stress (Adult)	DUP_16p11.2_proximal	1	25.83	25.83	11.09	8.68E-04	0	8
16p11.2 proximal duplication	Stress (Adult)	Stress (Adult)	1	1873.47	1873.5	804.41	1.63E-176	3.32E-176	8
16p11.2 proximal duplication	Stress (Adult)	Age	1	6791.82	6791.8	2916.18	0	0	8

16p11.2 proximal duplication	Stress (Adult)	Sex	1	547.21	547.21	234.95	5.40E-53	9.38E-53	8
16p11.2 proximal duplication	Stress (Adult)	Ethnicity	1	3044.45	3044.5	1307.19	4.42E-285	1.85E-284	8
16p11.2 proximal duplication	Stress (Adult)	Interaction: DUP_16p11.2_proximal:Stress (Adult)	1	0.02	0.02	0.01	0.94	0.94	8
16p11.2 proximal duplication	Stress (Adult)	Residuals	160205	373119.2	2.33	NA	NA	NA	8
16p11.2 distal deletion	Stress (Adult)	DEL_16p11.2_distal	1	26.09	26.09	11.21	8.16E-04	0	9
16p11.2 distal deletion	Stress (Adult)	Stress (Adult)	1	1873.29	1873.3	804.44	1.60E-176	3.30E-176	9
16p11.2 distal deletion	Stress (Adult)	Age	1	6788.8	6788.8	2915.3	0	0	9
16p11.2 distal deletion	Stress (Adult)	Sex	1	549.61	549.61	236.02	3.17E-53	5.94E-53	9
16p11.2 distal deletion	Stress (Adult)	Ethnicity	1	3043.66	3043.7	1307.03	4.77E-285	1.92E-284	9
16p11.2 distal deletion	Stress (Adult)	Residuals	160178	373003.9	2.33	NA	NA	NA	9
16p11.2 distal duplication	Stress (Adult)	DUP_16p11.2_distal	1	0.02	0.02	0.01	0.93	0.94	9
16p11.2 distal duplication	Stress (Adult)	Stress (Adult)	1	1874.29	1874.3	804.95	1.24E-176	2.67E-176	10
16p11.2 distal duplication	Stress (Adult)	Age	1	6797.75	6797.8	2919.42	0	0	10
16p11.2 distal duplication	Stress (Adult)	Sex	1	548.34	548.34	235.49	4.12E-53	7.40E-53	10
16p11.2 distal duplication	Stress (Adult)	Ethnicity	1	3043.65	3043.7	1307.15	4.49E-285	1.85E-284	10
16p11.2 distal duplication	Stress (Adult)	Interaction: DUP_16p11.2_distal:Stress (Adult)	1	0.75	0.75	0.32	0.57	0.64	10
16p11.2 distal duplication	Stress (Adult)	Residuals	160194	373004.9	2.33	NA	NA	NA	10
22q11.2 distal deletion	Stress (Adult)	DEL_22q11.2_distal	1	14.13	14.13	6.07	0.01	0.02	10
22q11.2 distal deletion	Stress (Adult)	Stress (Adult)	1	1872.74	1872.7	804.17	1.84E-176	3.70E-176	11
22q11.2 distal deletion	Stress (Adult)	Age	1	6791.79	6791.8	2916.44	0	0	11
22q11.2 distal deletion	Stress (Adult)	Sex	1	549.33	549.33	235.89	3.39E-53	6.28E-53	11
22q11.2 distal deletion	Stress (Adult)	Ethnicity	1	3048.23	3048.2	1308.93	1.86E-285	9.58E-285	11
22q11.2 distal deletion	Stress (Adult)	Interaction: DEL_22q11.2_distal:Stress (Adult)	1	0.24	0.24	0.11	0.75	0.78	11
22q11.2 distal deletion	Stress (Adult)	Residuals	160171	373005.5	2.33	NA	NA	NA	11
22q11.2 distal duplication	Stress (Adult)	DUP_22q11.2_distal	1	0.43	0.43	0.19	0.67	0.72	12
22q11.2 distal duplication	Stress (Adult)	Stress (Adult)	1	1874.52	1874.5	804.97	1.23E-176	2.67E-176	12
22q11.2 distal duplication	Stress (Adult)	Age	1	6788.5	6788.5	2915.17	0	0	12
22q11.2 distal duplication	Stress (Adult)	Sex	1	548.83	548.83	235.68	3.75E-53	6.80E-53	12
22q11.2 distal duplication	Stress (Adult)	Ethnicity	1	3043.43	3043.4	1306.94	5.00E-285	1.96E-284	12
22q11.2 distal duplication	Stress (Adult)	Interaction: DUP_22q11.2_distal:Stress (Adult)	1	0.03	0.03	0.01	0.91	0.93	12

22q11.2 distal duplication	Stress (Adult)	Residuals	160244	373156.5	2.33	NA	NA	NA	12
22q11.2 proximal deletion	Stress (Adult)	DEL_22q11.2_proximal	1	0.85	0.85	0.37	0.54	0.62	13
22q11.2 proximal deletion	Stress (Adult)	Stress (Adult)	1	1873.29	1873.3	804.46	1.59E-176	3.30E-176	13
22q11.2 proximal deletion	Stress (Adult)	Age	1	6792.9	6792.9	2917.11	0	0	13
22q11.2 proximal deletion	Stress (Adult)	Sex	1	549.04	549.04	235.78	3.57E-53	6.55E-53	13
22q11.2 proximal deletion	Stress (Adult)	Ethnicity	1	3045.4	3045.4	1307.8	3.26E-285	1.49E-284	13
22q11.2 proximal deletion	Stress (Adult)	Residuals	160163	372962.3	2.33	NA	NA	NA	13
22q11.2 proximal duplication	Stress (Adult)	DUP_22q11.2_proximal	1	17.7	17.7	7.6	0.01	0.01	14
22q11.2 proximal duplication	Stress (Adult)	Stress (Adult)	1	1874.49	1874.5	804.76	1.37E-176	2.89E-176	14
22q11.2 proximal duplication	Stress (Adult)	Age	1	6787.68	6787.7	2914.11	0	0	14
22q11.2 proximal duplication	Stress (Adult)	Sex	1	545.38	545.38	234.15	8.10E-53	1.38E-52	14
22q11.2 proximal duplication	Stress (Adult)	Ethnicity	1	3046.08	3046.1	1307.75	3.33E-285	1.49E-284	14
22q11.2 proximal duplication	Stress (Adult)	Interaction: DUP_22q11.2_proximal:Stress (Adult)	1	0.1	0.1	0.04	0.83	0.86	14
22q11.2 proximal duplication	Stress (Adult)	Residuals	160248	373257.4	2.33	NA	NA	NA	14
1q21.1 distal deletion	Stress (Child)	DEL_1q21.1_distal	1	0.44	0.44	0.19	0.66	0.72	15
1q21.1 distal deletion	Stress (Child)	Stress (Child)	1	2564.18	2564.2	1102.87	5.21E-241	1.46E-240	15
1q21.1 distal deletion	Stress (Child)	Age	1	6774.06	6774.1	2913.58	0	0	15
1q21.1 distal deletion	Stress (Child)	Sex	1	480.6	480.6	206.71	7.67E-47	1.18E-46	15
1q21.1 distal deletion	Stress (Child)	Ethnicity	1	3031.71	3031.7	1303.96	2.19E-284	7.85E-284	15
1q21.1 distal deletion	Stress (Child)	Interaction: DEL_1q21.1_distal:Stress (Child)	1	15.29	15.29	6.58	0.01	0.01	15
1q21.1 distal deletion	Stress (Child)	Residuals	160186	372432.3	2.32	NA	NA	NA	15
1q21.1 distal duplication	Stress (Child)	DUP_1q21.1_distal	1	5.4	5.4	2.32	0.13	0.16	16
1q21.1 distal duplication	Stress (Child)	Stress (Child)	1	2556.88	2556.9	1099.8	2.39E-240	6.27E-240	16
1q21.1 distal duplication	Stress (Child)	Age	1	6783.49	6783.5	2917.81	0	0	16
1q21.1 distal duplication	Stress (Child)	Sex	1	484.71	484.71	208.49	3.14E-47	5.23E-47	16
1q21.1 distal duplication	Stress (Child)	Ethnicity	1	3024.97	3025	1301.14	8.86E-284	2.61E-283	16
1q21.1 distal duplication	Stress (Child)	Interaction: DUP_1q21.1_distal:Stress (Child)	1	0.14	0.14	0.06	0.81	0.84	16
1q21.1 distal duplication	Stress (Child)	Residuals	160217	372480.8	2.32	NA	NA	NA	16
15q11.2 deletion	Stress (Child)	DEL_15q11.2	1	1.25	1.25	0.54	0.46	0.54	17
15q11.2 deletion	Stress (Child)	Stress (Child)	1	2570.33	2570.3	1105.18	1.64E-241	4.76E-241	17

15q11.2 deletion	Stress (Child)	Age	1	6782.08	6782.1	2916.14	0	0	17
15q11.2 deletion	Stress (Child)	Sex	1	476.46	476.46	204.87	1.94E-46	2.85E-46	17
15q11.2 deletion	Stress (Child)	Ethnicity	1	3035.89	3035.9	1305.36	1.09E-284	4.07E-284	17
15q11.2 deletion	Stress (Child)	Interaction: DEL_15q11.2:Stress (Child)	1	0.56	0.56	0.24	0.62	0.69	17
15q11.2 deletion	Stress (Child)	Residuals	160579	373459.9	2.33	NA	NA	NA	17
15q11.2 duplication	Stress (Child)	DUP_15q11.2	1	6.22	6.22	2.68	0.10	0.13	18
15q11.2 duplication	Stress (Child)	Stress (Child)	1	2564.76	2564.8	1103.16	4.49E-241	1.28E-240	18
15q11.2 duplication	Stress (Child)	Age	1	6800.59	6800.6	2925.09	0	0	18
15q11.2 duplication	Stress (Child)	Sex	1	480.54	480.54	206.69	7.75E-47	1.18E-46	18
15q11.2 duplication	Stress (Child)	Ethnicity	1	3043.84	3043.8	1309.22	1.60E-285	8.50E-285	18
15q11.2 duplication	Stress (Child)	Interaction: DUP_15q11.2:Stress (Child)	1	0.28	0.28	0.12	0.73	0.77	18
15q11.2 duplication	Stress (Child)	Residuals	160608	373400.8	2.32	NA	NA	NA	18
15q13.3 CHRNA7 deletion	Stress (Child)	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	15.26	15.26	6.56	0.01	0.01	19
15q13.3 CHRNA7 deletion	Stress (Child)	Stress (Child)	1	2558.44	2558.4	1100.45	1.73E-240	4.69E-240	19
15q13.3 CHRNA7 deletion	Stress (Child)	Age	1	6784.51	6784.5	2918.2	0	0	19
15q13.3 CHRNA7 deletion	Stress (Child)	Sex	1	482.29	482.29	207.44	5.31E-47	8.64E-47	19
15q13.3 CHRNA7 deletion	Stress (Child)	Ethnicity	1	3028.98	3029	1302.84	3.82E-284	1.23E-283	19
15q13.3 CHRNA7 deletion	Stress (Child)	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:Stress (Child)	1	4.86	4.86	2.09	0.15	0.18	19
15q13.3 CHRNA7 deletion	Stress (Child)	Residuals	160174	372388.2	2.32	NA	NA	NA	19
15q13.3 CHRNA7 duplication	Stress (Child)	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	0.32	0.32	0.14	0.71	0.75	20
15q13.3 CHRNA7 duplication	Stress (Child)	Stress (Child)	1	2552.77	2552.8	1097.93	6.06E-240	1.43E-239	20
15q13.3 CHRNA7 duplication	Stress (Child)	Age	1	6786.13	6786.1	2918.69	0	0	20
15q13.3 CHRNA7 duplication	Stress (Child)	Sex	1	479.64	479.64	206.29	9.48E-47	1.42E-46	20
15q13.3 CHRNA7 duplication	Stress (Child)	Ethnicity	1	3030.25	3030.3	1303.3	3.04E-284	1.05E-283	20
15q13.3 CHRNA7 duplication	Stress (Child)	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:Stress (Child)	1	12.29	12.29	5.28	0.02	0.03	20
15q13.3 CHRNA7 duplication	Stress (Child)	Residuals	160237	372561.3	2.33	NA	NA	NA	20
16p11.2 proximal deletion	Stress (Child)	DEL_16p11.2_proximal	1	9.31	9.31	4	0.05	0.06	21
16p11.2 proximal deletion	Stress (Child)	Stress (Child)	1	2555.58	2555.6	1099.24	3.17E-240	7.82E-240	21
16p11.2 proximal deletion	Stress (Child)	Age	1	6781.19	6781.2	2916.81	0	0	21

16p11.2 proximal deletion	Stress (Child)	Sex	1	482.76	482.76	207.65	4.79E-47	7.90E-47	21
16p11.2 proximal deletion	Stress (Child)	Ethnicity	1	3029.99	3030	1303.3	3.04E-284	1.05E-283	21
16p11.2 proximal deletion	Stress (Child)	Interaction: DEL_16p11.2_proximal:Stress (Child)	1	1.76	1.76	0.76	0.38	0.45	21
16p11.2 proximal deletion	Stress (Child)	Residuals	160199	372441.3	2.32	NA	NA	NA	21
16p11.2 proximal duplication	Stress (Child)	DUP_16p11.2_proximal	1	25.83	25.83	11.11	8.60E-04	0	22
16p11.2 proximal duplication	Stress (Child)	Stress (Child)	1	2555.36	2555.4	1098.92	3.71E-240	8.87E-240	22
16p11.2 proximal duplication	Stress (Child)	Age	1	6781.87	6781.9	2916.52	0	0	22
16p11.2 proximal duplication	Stress (Child)	Sex	1	479.95	479.95	206.4	8.95E-47	1.36E-46	22
16p11.2 proximal duplication	Stress (Child)	Ethnicity	1	3028.84	3028.8	1302.54	4.43E-284	1.39E-283	22
16p11.2 proximal duplication	Stress (Child)	Interaction: DUP_16p11.2_proximal:Stress (Child)	1	0.78	0.78	0.34	0.56	0.63	22
16p11.2 proximal duplication	Stress (Child)	Residuals	160205	372529.4	2.33	NA	NA	NA	22
16p11.2 distal deletion	Stress (Child)	DEL_16p11.2_distal	1	26.09	26.09	11.22	8.08E-04	0	23
16p11.2 distal deletion	Stress (Child)	Stress (Child)	1	2556.13	2556.1	1099.42	2.90E-240	7.26E-240	23
16p11.2 distal deletion	Stress (Child)	Age	1	6778.55	6778.6	2915.52	0	0	23
16p11.2 distal deletion	Stress (Child)	Sex	1	482.27	482.27	207.43	5.34E-47	8.64E-47	23
16p11.2 distal deletion	Stress (Child)	Ethnicity	1	3028.08	3028.1	1302.41	4.74E-284	1.45E-283	23
16p11.2 distal deletion	Stress (Child)	Interaction: DEL_16p11.2_distal:Stress (Child)	1	4.12	4.12	1.77	0.18	0.22	23
16p11.2 distal deletion	Stress (Child)	Residuals	160177	372410.1	2.32	NA	NA	NA	23
16p11.2 distal duplication	Stress (Child)	DUP_16p11.2_distal	1	0.02	0.02	0.01	0.93	0.94	24
16p11.2 distal duplication	Stress (Child)	Stress (Child)	1	2557.71	2557.7	1100.21	1.96E-240	5.22E-240	24
16p11.2 distal duplication	Stress (Child)	Age	1	6787.23	6787.2	2919.54	0	0	24
16p11.2 distal duplication	Stress (Child)	Sex	1	481.13	481.13	206.96	6.77E-47	1.05E-46	24
16p11.2 distal duplication	Stress (Child)	Ethnicity	1	3028.05	3028.1	1302.52	4.48E-284	1.39E-283	24
16p11.2 distal duplication	Stress (Child)	Interaction: DUP_16p11.2_distal:Stress (Child)	1	3.42	3.42	1.47	0.22	0.27	24
16p11.2 distal duplication	Stress (Child)	Residuals	160194	372412.2	2.32	NA	NA	NA	24
22q11.2 distal deletion	Stress (Child)	DEL_22q11.2_distal	1	14.13	14.13	6.08	0.01	0.02	25
22q11.2 distal deletion	Stress (Child)	Stress (Child)	1	2555.77	2555.8	1099.2	3.22E-240	7.82E-240	25
22q11.2 distal deletion	Stress (Child)	Age	1	6781.51	6781.5	2916.64	0	0	25
22q11.2 distal deletion	Stress (Child)	Sex	1	482.05	482.05	207.32	5.64E-47	9.04E-47	25

22q11.2 distal deletion	Stress (Child)	Ethnicity	1	3032.65	3032.7	1304.3	1.85E-284	6.77E-284	25
22q11.2 distal deletion	Stress (Child)	Interaction: DEL_22q11.2_distal:Stress (Child)	1	0.31	0.31	0.13	0.72	0.76	25
22q11.2 distal deletion	Stress (Child)	Residuals	160171	372415.6	2.33	NA	NA	NA	25
22q11.2 distal duplication	Stress (Child)	DUP_22q11.2_distal	1	0.43	0.43	0.19	0.67	0.72	26
22q11.2 distal duplication	Stress (Child)	Stress (Child)	1	2559.48	2559.5	1100.86	1.42E-240	3.89E-240	26
22q11.2 distal duplication	Stress (Child)	Age	1	6777.66	6777.7	2915.14	0	0	26
22q11.2 distal duplication	Stress (Child)	Sex	1	481.56	481.56	207.13	6.23E-47	9.79E-47	26
22q11.2 distal duplication	Stress (Child)	Ethnicity	1	3027.92	3027.9	1302.34	4.89E-284	1.47E-283	26
22q11.2 distal duplication	Stress (Child)	Interaction: DUP_22q11.2_distal:Stress (Child)	1	0.6	0.6	0.26	0.61	0.68	26
22q11.2 distal duplication	Stress (Child)	Residuals	160244	372564.6	2.32	NA	NA	NA	26
22q11.2 proximal deletion	Stress (Child)	DEL_22q11.2_proximal	1	0.85	0.85	0.37	0.54	0.62	27
22q11.2 proximal deletion	Stress (Child)	Stress (Child)	1	2556.43	2556.4	1099.56	2.70E-240	6.97E-240	27
22q11.2 proximal deletion	Stress (Child)	Age	1	6782.6	6782.6	2917.3	0	0	27
22q11.2 proximal deletion	Stress (Child)	Sex	1	481.76	481.76	207.21	5.97E-47	9.47E-47	27
22q11.2 proximal deletion	Stress (Child)	Ethnicity	1	3029.82	3029.8	1303.17	3.24E-284	1.09E-283	27
22q11.2 proximal deletion	Stress (Child)	Residuals	160163	372372.4	2.32	NA	NA	NA	27
22q11.2 proximal duplication	Stress (Child)	DUP_22q11.2_proximal	1	17.7	17.7	7.61	0.01	0.01	28
22q11.2 proximal duplication	Stress (Child)	Stress (Child)	1	2556.78	2556.8	1099.42	2.90E-240	7.26E-240	28
22q11.2 proximal duplication	Stress (Child)	Age	1	6776.9	6776.9	2914.08	0	0	28
22q11.2 proximal duplication	Stress (Child)	Sex	1	478.38	478.38	205.71	1.27E-46	1.89E-46	28
22q11.2 proximal duplication	Stress (Child)	Ethnicity	1	3030.48	3030.5	1303.12	3.33E-284	1.10E-283	28
22q11.2 proximal duplication	Stress (Child)	Interaction: DUP_22q11.2_proximal:Stress (Child)	1	1.05	1.05	0.45	0.50	0.58	28
22q11.2 proximal duplication	Stress (Child)	Residuals	160248	372667.5	2.33	NA	NA	NA	28

Table S7. ANOVA model summary for CNV–lifestyle main and interaction effects on fluid intelligence. The table presents the results of separate ANOVA models examining the main effects of CNV carrier status and its interaction with lifestyle, with age, sex, and ethnicity included as covariates, influencing fluid intelligence: degrees of freedom (Df), sums of squares (Sum Sq), mean squares (Mean Sq), F values, raw p-values, and FDR-corrected p-values. Statistically significant values ($p < 0.05$) are highlighted in bold.

CNV	Variable	Term	Df	Sum Sq	Mean Sq	F value	p-value	FDR-corrected p	Model
1q21.1 distal deletion	Lifestyle	DEL_1q21.1_distal	1	1.74	1.74	0.41	0.52	0.61	1
1q21.1 distal deletion	Lifestyle	Lifestyle	2	77.05	38.53	9.13	1.08E-04	1.77E-04	1
1q21.1 distal deletion	Lifestyle	Age	1	670.2	670.2	158.84	2.24E-36	7.58E-36	1
1q21.1 distal deletion	Lifestyle	Sex	1	646.93	646.93	153.33	3.56E-35	7.21E-35	1
1q21.1 distal deletion	Lifestyle	Ethnicity	1	14175.58	14175.58	3359.7	0	0	1
1q21.1 distal deletion	Lifestyle	Interaction: DEL_1q21.1_distal:Lifestyle	1	7.89	7.89	1.87	0.17	0.22	1
1q21.1 distal deletion	Lifestyle	Residuals	64634	272709.7	4.22	NA	NA	NA	1
1q21.1 distal duplication	Lifestyle	DUP_1q21.1_distal	1	0.86	0.86	0.2	0.65	0.72	2
1q21.1 distal duplication	Lifestyle	Lifestyle	2	76.96	38.48	9.12	1.10E-04	1.77E-04	2
1q21.1 distal duplication	Lifestyle	Age	1	670.89	670.89	158.97	2.10E-36	7.58E-36	2
1q21.1 distal duplication	Lifestyle	Sex	1	648.59	648.59	153.68	2.98E-35	6.53E-35	2
1q21.1 distal duplication	Lifestyle	Ethnicity	1	14190.12	14190.12	3362.3	0	0	2
1q21.1 distal duplication	Lifestyle	Interaction: DUP_1q21.1_distal:Lifestyle	2	2.58	1.29	0.31	0.74	0.80	2
1q21.1 distal duplication	Lifestyle	Residuals	64636	272786.1	4.22	NA	NA	NA	2
15q11.2 deletion	Lifestyle	DEL_15q11.2	1	43.09	43.09	10.22	0	0	3
15q11.2 deletion	Lifestyle	Lifestyle	2	74.02	37.01	8.77	1.55E-04	2.24E-04	3
15q11.2 deletion	Lifestyle	Age	1	672.57	672.57	159.43	1.66E-36	7.58E-36	3
15q11.2 deletion	Lifestyle	Sex	1	654.59	654.59	155.17	1.41E-35	3.94E-35	3
15q11.2 deletion	Lifestyle	Ethnicity	1	14166.92	14166.92	3358.3	0	0	3
15q11.2 deletion	Lifestyle	Interaction: DEL_15q11.2:Lifestyle	2	30.37	15.18	3.6	0.03	0.04	3
15q11.2 deletion	Lifestyle	Residuals	64779	273271.6	4.22	NA	NA	NA	3
15q11.2 duplication	Lifestyle	DUP_15q11.2	1	0.22	0.22	0.05	0.82	0.86	4
15q11.2 duplication	Lifestyle	Lifestyle	2	76.37	38.18	9.05	1.18E-04	1.79E-04	4

15q11.2 duplication	Lifestyle	Age	1	669.83	669.83	158.7	2.40E-36	7.76E-36	4
15q11.2 duplication	Lifestyle	Sex	1	646.06	646.06	153.07	4.05E-35	7.80E-35	4
15q11.2 duplication	Lifestyle	Ethnicity	1	14217.58	14217.58	3368.6	0	0	4
15q11.2 duplication	Lifestyle	Interaction: DUP_15q11.2:Lifestyle	2	2.16	1.08	0.26	0.77	0.83	4
15q11.2 duplication	Lifestyle	Residuals	64793	273464	4.22	NA	NA	NA	4
15q13.3 CHRNA7 deletion	Lifestyle	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	0.19	0.19	0.04	0.83	0.86	5
15q13.3 CHRNA7 deletion	Lifestyle	Lifestyle	2	76.8	38.4	9.1	1.12E-04	1.77E-04	5
15q13.3 CHRNA7 deletion	Lifestyle	Age	1	671.09	671.09	159.05	2.01E-36	7.58E-36	5
15q13.3 CHRNA7 deletion	Lifestyle	Sex	1	649.38	649.38	153.91	2.66E-35	6.16E-35	5
15q13.3 CHRNA7 deletion	Lifestyle	Ethnicity	1	14176.15	14176.15	3359.9	0	0	5
15q13.3 CHRNA7 deletion	Lifestyle	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:Lifestyle	1	1.85	1.85	0.44	0.51	0.60	5
15q13.3 CHRNA7 deletion	Lifestyle	Residuals	64627	272678.3	4.22	NA	NA	NA	5
15q13.3 CHRNA7 duplication	Lifestyle	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	25.76	25.76	6.11	0.01	0.02	6
15q13.3 CHRNA7 duplication	Lifestyle	Lifestyle	2	76.91	38.45	9.11	1.10E-04	1.77E-04	6
15q13.3 CHRNA7 duplication	Lifestyle	Age	1	676.22	676.22	160.26	1.10E-36	5.93E-36	6
15q13.3 CHRNA7 duplication	Lifestyle	Sex	1	647.21	647.21	153.38	3.46E-35	7.21E-35	6
15q13.3 CHRNA7 duplication	Lifestyle	Ethnicity	1	14173.57	14173.57	3359.1	0	0	6
15q13.3 CHRNA7 duplication	Lifestyle	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:Lifestyle	2	0.11	0.06	0.01	0.99	0.99	6
15q13.3 CHRNA7 duplication	Lifestyle	Residuals	64648	272783.8	4.22	NA	NA	NA	6
16p11.2 proximal deletion	Lifestyle	DEL_16p11.2_proximal	1	0.17	0.17	0.04	0.84	0.86	7
16p11.2 proximal deletion	Lifestyle	Lifestyle	2	76.08	38.04	9.02	1.22E-04	1.79E-04	7
16p11.2 proximal deletion	Lifestyle	Age	1	669.32	669.32	158.61	2.51E-36	7.81E-36	7
16p11.2 proximal deletion	Lifestyle	Sex	1	647.17	647.17	153.36	3.50E-35	7.21E-35	7
16p11.2 proximal deletion	Lifestyle	Ethnicity	1	14160.75	14160.75	3355.8	0	0	7
16p11.2 proximal deletion	Lifestyle	Interaction: DEL_16p11.2_proximal:Lifestyle	2	32.7	16.35	3.87	0.02	0.03	7
16p11.2 proximal deletion	Lifestyle	Residuals	64633	272739.7	4.22	NA	NA	NA	7
16p11.2 proximal duplication	Lifestyle	DUP_16p11.2_proximal	1	16.39	16.39	3.88	0.05	0.06	8
16p11.2 proximal duplication	Lifestyle	Lifestyle	2	76.1	38.05	9.02	1.21E-04	1.79E-04	8

16p11.2 proximal duplication	Lifestyle	Age	1	670.15	670.15	158.83	2.25E-36	7.58E-36	8
16p11.2 proximal duplication	Lifestyle	Sex	1	649.73	649.73	153.99	2.55E-35	6.16E-35	8
16p11.2 proximal duplication	Lifestyle	Ethnicity	1	14175.5	14175.5	3359.8	0	0	8
16p11.2 proximal duplication	Lifestyle	Interaction: DUP_16p11.2_proximal:Lifestyle	2	7.38	3.69	0.87	0.42	0.51	8
16p11.2 proximal duplication	Lifestyle	Residuals	64641	272733.8	4.22	NA	NA	NA	8
16p11.2 distal deletion	Lifestyle	DEL_16p11.2_distal	1	2.14	2.14	0.51	0.48	0.58	9
16p11.2 distal deletion	Lifestyle	Lifestyle	2	76.87	38.43	9.11	1.11E-04	1.77E-04	9
16p11.2 distal deletion	Lifestyle	Age	1	670.48	670.48	158.91	2.17E-36	7.58E-36	9
16p11.2 distal deletion	Lifestyle	Sex	1	649.59	649.59	153.96	2.60E-35	6.16E-35	9
16p11.2 distal deletion	Lifestyle	Ethnicity	1	14175.81	14175.81	3359.7	0	0	9
16p11.2 distal deletion	Lifestyle	Residuals	64626	272680.1	4.22	NA	NA	NA	9
16p11.2 distal duplication	Lifestyle	DUP_16p11.2_distal	1	1.07	1.07	0.25	0.61	0.69	10
16p11.2 distal duplication	Lifestyle	Lifestyle	2	76.26	38.13	9.04	1.19E-04	1.79E-04	10
16p11.2 distal duplication	Lifestyle	Age	1	668.52	668.52	158.45	2.73E-36	7.95E-36	10
16p11.2 distal duplication	Lifestyle	Sex	1	650.59	650.59	154.2	2.30E-35	6.16E-35	10
16p11.2 distal duplication	Lifestyle	Ethnicity	1	14174.57	14174.57	3359.6	0	0	10
16p11.2 distal duplication	Lifestyle	Interaction: DUP_16p11.2_distal:Lifestyle	2	4.48	2.24	0.53	0.59	0.67	10
16p11.2 distal duplication	Lifestyle	Residuals	64634	272703.1	4.22	NA	NA	NA	10
22q11.2 distal deletion	Lifestyle	DEL_22q11.2_distal	1	0	0	0	0.98	0.99	11
22q11.2 distal deletion	Lifestyle	Lifestyle	2	76.87	38.43	9.11	1.11E-04	1.77E-04	11
22q11.2 distal deletion	Lifestyle	Age	1	670.64	670.64	158.94	2.13E-36	7.58E-36	11
22q11.2 distal deletion	Lifestyle	Sex	1	649.6	649.6	153.95	2.60E-35	6.16E-35	11
22q11.2 distal deletion	Lifestyle	Ethnicity	1	14175.9	14175.9	3359.7	0	0	11
22q11.2 distal deletion	Lifestyle	Residuals	64626	272685.8	4.22	NA	NA	NA	11
22q11.2 distal duplication	Lifestyle	DUP_22q11.2_distal	1	1.3	1.3	0.31	0.58	0.67	12
22q11.2 distal duplication	Lifestyle	Lifestyle	2	77.43	38.72	9.18	1.04E-04	1.77E-04	12
22q11.2 distal duplication	Lifestyle	Age	1	671.47	671.47	159.14	1.93E-36	7.58E-36	12
22q11.2 distal duplication	Lifestyle	Sex	1	645.91	645.91	153.08	4.03E-35	7.80E-35	12
22q11.2 distal duplication	Lifestyle	Ethnicity	1	14176.36	14176.36	3359.8	0	0	12

22q11.2 distal duplication	Lifestyle	Interaction: DUP_22q11.2_distal:Lifestyle	2	2.56	1.28	0.3	0.74	0.80	12
22q11.2 distal duplication	Lifestyle	Residuals	64649	272781.2	4.22	NA	NA	NA	12
22q11.2 proximal deletion	Lifestyle	DEL_22q11.2_proximal	1	4.14	4.14	0.98	0.32	0.41	13
22q11.2 proximal deletion	Lifestyle	Lifestyle	2	76.87	38.43	9.11	1.11E-04	1.77E-04	13
22q11.2 proximal deletion	Lifestyle	Age	1	670.56	670.56	158.92	2.15E-36	7.58E-36	13
22q11.2 proximal deletion	Lifestyle	Sex	1	649.6	649.6	153.96	2.60E-35	6.16E-35	13
22q11.2 proximal deletion	Lifestyle	Ethnicity	1	14175.86	14175.86	3359.7	0	0	13
22q11.2 proximal deletion	Lifestyle	Residuals	64625	272678	4.22	NA	NA	NA	13
22q11.2 proximal duplication	Lifestyle	DUP_22q11.2_proximal	1	39.64	39.64	9.4	0	0	14
22q11.2 proximal duplication	Lifestyle	Lifestyle	2	77.27	38.64	9.16	1.05E-04	1.77E-04	14
22q11.2 proximal duplication	Lifestyle	Age	1	668.27	668.27	158.43	2.75E-36	7.95E-36	14
22q11.2 proximal duplication	Lifestyle	Sex	1	648.45	648.45	153.73	2.91E-35	6.53E-35	14
22q11.2 proximal duplication	Lifestyle	Ethnicity	1	14176.95	14176.95	3361	0	0	14
22q11.2 proximal duplication	Lifestyle	Interaction: DUP_22q11.2_proximal:Lifestyle	1	3.94	3.94	0.93	0.33	0.42	14
22q11.2 proximal duplication	Lifestyle	Residuals	64662	272746.9	4.22	NA	NA	NA	14

Table S8. ANOVA model summary for CNV-lifestyle main and interaction effects on well-being. The table presents the results of separate ANOVA models examining the main effects of CNV carrier status and its interaction with lifestyle, with age, sex, and ethnicity included as covariates, influencing well-being: degrees of freedom (Df), sums of squares (Sum Sq), mean squares (Mean Sq), F values, raw p-values, and FDR-corrected p-values. Statistically significant

CNV	Variable	Term	Df	Sum Sq	Mean Sq	F value	p-value	FDR-corrected p	Model
1q21.1 distal deletion	Lifestyle	DEL_1q21.1_distal	1	2.05	2.05	0.96	0.33	0.40	1
1q21.1 distal deletion	Lifestyle	Lifestyle	2	2001.63	1000.82	467.77	2.00E-202	6.40E-202	1
1q21.1 distal deletion	Lifestyle	Age	1	2511.31	2511.31	1173.8	5.87E-255	3.77E-254	1
1q21.1 distal deletion	Lifestyle	Sex	1	47.94	47.94	22.41	2.21E-06	3.55E-06	1
1q21.1 distal deletion	Lifestyle	Ethnicity	1	922.04	922.04	430.95	2.06E-95	4.62E-95	1
1q21.1 distal deletion	Lifestyle	Interaction: DEL_1q21.1_distal:Lifestyle	1	0.12	0.12	0.06	0.81	0.86	1
1q21.1 distal deletion	Lifestyle	Residuals	64985	139039.7	2.14	NA	NA	NA	1
1q21.1 distal duplication	Lifestyle	DUP_1q21.1_distal	1	1.61	1.61	0.75	0.39	0.46	2
1q21.1 distal duplication	Lifestyle	Lifestyle	2	2002.43	1001.21	468.11	1.43E-202	5.79E-202	2
1q21.1 distal duplication	Lifestyle	Age	1	2513.33	2513.33	1175.1	3.06E-255	2.14E-254	2
1q21.1 distal duplication	Lifestyle	Sex	1	48.8	48.8	22.82	1.79E-06	3.31E-06	2
1q21.1 distal duplication	Lifestyle	Ethnicity	1	919.65	919.65	429.97	3.36E-95	6.63E-95	2
1q21.1 distal duplication	Lifestyle	Interaction: DUP_1q21.1_distal:Lifestyle	2	3.91	1.96	0.91	0.40	0.46	2
1q21.1 distal duplication	Lifestyle	Residuals	64987	138998.4	2.14	NA	NA	NA	2
15q11.2 deletion	Lifestyle	DEL_15q11.2	1	1.67	1.67	0.78	0.38	0.45	3
15q11.2 deletion	Lifestyle	Lifestyle	2	2003.5	1001.75	467.92	1.70E-202	6.24E-202	3
15q11.2 deletion	Lifestyle	Age	1	2511.26	2511.26	1173	8.32E-255	4.93E-254	3
15q11.2 deletion	Lifestyle	Sex	1	47.05	47.05	21.98	2.76E-06	4.09E-06	3
15q11.2 deletion	Lifestyle	Ethnicity	1	925.53	925.53	432.32	1.04E-95	2.98E-95	3
15q11.2 deletion	Lifestyle	Interaction: DEL_15q11.2:Lifestyle	2	0.13	0.07	0.03	0.97	0.97	3
15q11.2 deletion	Lifestyle	Residuals	65133	139440.5	2.14	NA	NA	NA	3
15q11.2 duplication	Lifestyle	DUP_15q11.2	1	1.18	1.18	0.55	0.46	0.52	4
15q11.2 duplication	Lifestyle	Lifestyle	2	2001.89	1000.94	468.16	1.34E-202	5.79E-202	4
15q11.2 duplication	Lifestyle	Age	1	2524.7	2524.7	1180.9	1.76E-256	1.35E-254	4
15q11.2 duplication	Lifestyle	Sex	1	47.4	47.4	22.17	2.50E-06	3.77E-06	4

15q11.2 duplication	Lifestyle	Ethnicity	1	924.05	924.05	432.2	1.10E-95	3.04E-95	4
15q11.2 duplication	Lifestyle	Interaction: DUP_15q11.2:Lifestyle	2	0.8	0.4	0.19	0.83	0.86	4
15q11.2 duplication	Lifestyle	Residuals	65144	139278.7	2.14	NA	NA	NA	4
15q13.3 CHRNA7 deletion	Lifestyle	`DEL_15q13.3_BP4-BP5_CHRNA7`	1	3.33	3.33	1.56	0.21	0.26	5
15q13.3 CHRNA7 deletion	Lifestyle	Lifestyle	2	2002.6	1001.3	468.17	1.34E-202	5.79E-202	5
15q13.3 CHRNA7 deletion	Lifestyle	Age	1	2515.83	2515.83	1176.3	1.67E-255	1.53E-254	5
15q13.3 CHRNA7 deletion	Lifestyle	Sex	1	48.5	48.5	22.68	1.92E-06	3.31E-06	5
15q13.3 CHRNA7 deletion	Lifestyle	Ethnicity	1	921.49	921.49	430.86	2.16E-95	4.62E-95	5
15q13.3 CHRNA7 deletion	Lifestyle	Interaction: `DEL_15q13.3_BP4-BP5_CHRNA7`:Lifestyle	1	3.74	3.74	1.75	0.19	0.24	5
15q13.3 CHRNA7 deletion	Lifestyle	Residuals	64980	138975.8	2.14	NA	NA	NA	5
15q13.3 CHRNA7 duplication	Lifestyle	`DUP_15q13.3_BP4-BP5_CHRNA7`	1	0.03	0.03	0.02	0.90	0.92	6
15q13.3 CHRNA7 duplication	Lifestyle	Lifestyle	2	2001.77	1000.89	468	1.59E-202	6.12E-202	6
15q13.3 CHRNA7 duplication	Lifestyle	Age	1	2516.72	2516.72	1176.8	1.33E-255	1.53E-254	6
15q13.3 CHRNA7 duplication	Lifestyle	Sex	1	48.43	48.43	22.65	1.95E-06	3.31E-06	6
15q13.3 CHRNA7 duplication	Lifestyle	Ethnicity	1	922.17	922.17	431.19	1.83E-95	4.58E-95	6
15q13.3 CHRNA7 duplication	Lifestyle	Interaction: `DUP_15q13.3_BP4-BP5_CHRNA7`:Lifestyle	2	0.24	0.12	0.06	0.94	0.96	6
15q13.3 CHRNA7 duplication	Lifestyle	Residuals	64998	139008.4	2.14	NA	NA	NA	6
16p11.2 proximal deletion	Lifestyle	DEL_16p11.2_proximal	1	0.94	0.94	0.44	0.51	0.57	7
16p11.2 proximal deletion	Lifestyle	Lifestyle	2	2000.8	1000.4	467.77	1.99E-202	6.40E-202	7
16p11.2 proximal deletion	Lifestyle	Age	1	2516.59	2516.59	1176.7	1.37E-255	1.53E-254	7
16p11.2 proximal deletion	Lifestyle	Sex	1	48.59	48.59	22.72	1.88E-06	3.31E-06	7
16p11.2 proximal deletion	Lifestyle	Ethnicity	1	920.93	920.93	430.61	2.44E-95	4.95E-95	7
16p11.2 proximal deletion	Lifestyle	Interaction: DEL_16p11.2_proximal:Lifestyle	2	1.23	0.62	0.29	0.75	0.80	7
16p11.2 proximal deletion	Lifestyle	Residuals	64986	138982.7	2.14	NA	NA	NA	7
16p11.2 proximal duplication	Lifestyle	DUP_16p11.2_proximal	1	21.29	21.29	9.95	0	0	8
16p11.2 proximal duplication	Lifestyle	Lifestyle	2	2000.57	1000.28	467.54	2.49E-202	7.67E-202	8
16p11.2 proximal duplication	Lifestyle	Age	1	2516.35	2516.35	1176.2	1.79E-255	1.53E-254	8
16p11.2 proximal duplication	Lifestyle	Sex	1	47.77	47.77	22.33	2.30E-06	3.62E-06	8

16p11.2 proximal duplication	Lifestyle	Ethnicity	1	921.67	921.67	430.79	2.23E-95	4.64E-95	8
16p11.2 proximal duplication	Lifestyle	Interaction: DUP_16p11.2_proximal:Lifestyle	2	12.5	6.25	2.92	0.05	0.07	8
16p11.2 proximal duplication	Lifestyle	Residuals	64992	139047.7	2.14	NA	NA	NA	8
16p11.2 distal deletion	Lifestyle	DEL_16p11.2_distal	1	1.56	1.56	0.73	0.39	0.46	9
16p11.2 distal deletion	Lifestyle	Lifestyle	2	2001.35	1000.68	467.85	1.83E-202	6.40E-202	9
16p11.2 distal deletion	Lifestyle	Age	1	2516.31	2516.31	1176.5	1.54E-255	1.53E-254	9
16p11.2 distal deletion	Lifestyle	Sex	1	48.34	48.34	22.6	2.00E-06	3.31E-06	9
16p11.2 distal deletion	Lifestyle	Ethnicity	1	921.65	921.65	430.9	2.11E-95	4.62E-95	9
16p11.2 distal deletion	Lifestyle	Residuals	64977	138977.3	2.14	NA	NA	NA	9
16p11.2 distal duplication	Lifestyle	DUP_16p11.2_distal	1	3.89	3.89	1.82	0.18	0.23	10
16p11.2 distal duplication	Lifestyle	Lifestyle	2	2002.4	1001.2	468.15	1.36E-202	5.79E-202	10
16p11.2 distal duplication	Lifestyle	Age	1	2518.92	2518.92	1177.8	7.90E-256	1.53E-254	10
16p11.2 distal duplication	Lifestyle	Sex	1	48.34	48.34	22.6	2.00E-06	3.31E-06	10
16p11.2 distal duplication	Lifestyle	Ethnicity	1	921.48	921.48	430.88	2.14E-95	4.62E-95	10
16p11.2 distal duplication	Lifestyle	Interaction: DUP_16p11.2_distal:Lifestyle	2	1.99	0.99	0.47	0.63	0.68	10
16p11.2 distal duplication	Lifestyle	Residuals	64985	138977.7	2.14	NA	NA	NA	10
22q11.2 distal deletion	Lifestyle	DEL_22q11.2_distal	1	5.39	5.39	2.52	0.11	0.15	11
22q11.2 distal deletion	Lifestyle	Lifestyle	2	2003.91	1001.95	468.47	9.98E-203	5.12E-202	11
22q11.2 distal deletion	Lifestyle	Age	1	2515.88	2515.88	1176.3	1.66E-255	1.53E-254	11
22q11.2 distal deletion	Lifestyle	Sex	1	48.29	48.29	22.58	2.02E-06	3.31E-06	11
22q11.2 distal deletion	Lifestyle	Ethnicity	1	924.03	924.03	432.04	1.20E-95	3.19E-95	11
22q11.2 distal deletion	Lifestyle	Interaction: DEL_22q11.2_distal:Lifestyle	1	7.98	7.98	3.73	0.05	0.07	11
22q11.2 distal deletion	Lifestyle	Residuals	64978	138973.9	2.14	NA	NA	NA	11
22q11.2 distal duplication	Lifestyle	DUP_22q11.2_distal	1	0.69	0.69	0.32	0.57	0.63	12
22q11.2 distal duplication	Lifestyle	Lifestyle	2	1996.91	998.46	466.81	5.13E-202	1.52E-201	12
22q11.2 distal duplication	Lifestyle	Age	1	2515.19	2515.19	1175.9	2.01E-255	1.55E-254	12
22q11.2 distal duplication	Lifestyle	Sex	1	48.62	48.62	22.73	1.87E-06	3.31E-06	12
22q11.2 distal duplication	Lifestyle	Ethnicity	1	921.77	921.77	430.96	2.06E-95	4.62E-95	12
22q11.2 distal duplication	Lifestyle	Interaction: DUP_22q11.2_distal:Lifestyle	2	15.07	7.54	3.52	0.03	0.04	12
22q11.2 distal duplication	Lifestyle	Residuals	65001	139030.8	2.14	NA	NA	NA	12

22q11.2 proximal duplication	Lifestyle	DUP_22q11.2_proximal	1	31.78	31.78	14.85	1.16E-04	1.69E-04	13
22q11.2 proximal duplication	Lifestyle	Lifestyle	2	2005.6	1002.8	468.66	8.25E-203	4.54E-202	13
22q11.2 proximal duplication	Lifestyle	Age	1	2521.58	2521.58	1178.5	5.77E-256	1.53E-254	13
22q11.2 proximal duplication	Lifestyle	Sex	1	47.64	47.64	22.26	2.38E-06	3.67E-06	13
22q11.2 proximal duplication	Lifestyle	Ethnicity	1	922.59	922.59	431.18	1.84E-95	4.58E-95	13
22q11.2 proximal duplication	Lifestyle	Interaction: DUP_22q11.2_proximal:Lifestyle	1	5.21	5.21	2.43	0.12	0.15	13
22q11.2 proximal duplication	Lifestyle	Residuals	65013	139109.4	2.14	NA	NA	NA	13