

Supplementary Table 1. Details of the genome-wide association studies included in the Mendelian randomization analyses

Exposure	Sample size of exposure	Outcome	Sample size of outcome	SNPs with incompatible alleles or palindromic SNPs with intermediate allele frequencies	Confounds	Final set of SNPs
DHA ^a	115006	ADHD ^c	55374	rs1800978,rs4986970,rs72789541	rs58542926	35
LA ^b	114999	ADHD	55374	rs115478735,rs13217434,rs2389599,rs4704210,rs4766578,rs740516,rs964184,rs9848779	rs58542926	37
Omega-3 Fatty acid	114999	ADHD	55374	rs10184054,rs1800978,rs4860987,rs72789541,rs964184	rs58542926,rs7924036	35
Omega-6 Fatty acid	114999	ADHD	55374	rs115478735,rs3817335,rs4704210,rs4766578,rs4860948,rs740516,rs7831074,rs9616847,rs964184	rs28383314,rs58542926	41
DHA	115006	ASD ^d	110748	—	rs58542926,rs7924036	36
LA	114999	ASD	110748	rs2389599,rs4704210,rs4766578,rs9848779	rs58542926	41
Omega-3 Fatty acid	114999	ASD	110748	rs5112	rs58542926,rs7924036	46
Omega-6 Fatty acid	114999	ASD	110748	rs5112	rs28383314,rs58542926	49

^adocosahexaenoic acid; ^blinoleic acid; ^cattention deficit/hyperactivity disorder; ^dautism spectrum disorder

Supplementary Table 2. SNPs used as instrumental variables from DHA GWASs when ADHD is used as outcome.

SNP	Effect Allele	Effect	Allele Frequency	SE ^a	P-value
rs1065853	G	0.076	0.919	0.007	1.20E-25
rs11122450	T	-0.022	0.389	0.004	3.70E-08
rs112875651	G	0.049	0.608	0.004	1.00E-33
rs113248417	A	0.089	0.975	0.013	3.70E-12
rs11681659	C	0.031	0.284	0.004	1.60E-12
rs117026536	G	-0.037	0.900	0.007	1.70E-08
rs1260326	T	0.048	0.396	0.004	7.20E-33
rs12872990	A	0.025	0.293	0.005	3.70E-08
rs12914626	C	0.061	0.298	0.004	5.10E-45
rs139974673	T	-0.071	0.974	0.012	1.10E-08
rs14415	T	0.029	0.716	0.004	2.00E-11
rs1560390	T	0.050	0.780	0.005	9.40E-26
rs16940904	C	0.039	0.773	0.005	1.20E-16
rs174528	T	0.265	0.623	0.004	1.00E-200
rs2229738	C	0.126	0.934	0.008	4.60E-58
rs261291	T	-0.114	0.644	0.004	1.10E-169
rs273912	G	-0.026	0.293	0.004	1.40E-09
rs2807967	T	-0.025	0.282	0.004	7.90E-09
rs2853968	A	-0.025	0.597	0.004	8.60E-10
rs312939	G	-0.039	0.248	0.005	1.40E-17
rs34707604	T	-0.038	0.741	0.005	1.30E-15
rs3764261	C	-0.039	0.676	0.004	2.00E-20
rs499974	C	0.057	0.843	0.005	3.60E-26
rs525028	G	0.030	0.291	0.004	3.30E-12
rs58542926	C	0.120	0.926	0.007	1.10E-57
rs638714	G	0.038	0.654	0.004	9.40E-20
rs660240	T	-0.043	0.215	0.005	1.60E-19
rs6717316	G	0.023	0.330	0.004	2.50E-08
rs72836561	C	0.063	0.969	0.011	2.20E-08
rs72924290	T	-0.089	0.965	0.011	6.80E-16
rs73045691	G	-0.029	0.696	0.004	7.00E-11
rs73109460	G	0.035	0.876	0.006	4.30E-09
rs7924036	G	-0.035	0.496	0.004	9.80E-19
rs9304381	C	-0.050	0.182	0.005	1.90E-22
rs9987289	A	-0.056	0.091	0.007	1.30E-16

^astandard error

Supplementary Table 3. SNPs used as instrumental variables from LA GWASs when ADHD is used as outcome.

SNP	Effect Allele	Effect	Allele Frequency	SE	P-value
rs1002687	A	0.087	0.645	0.004	1.80E-97
rs1065853	T	-0.189	0.081	0.007	1.90E-143
rs1081105	C	0.121	0.028	0.012	8.20E-23
rs10838724	T	-0.026	0.369	0.004	1.60E-10
rs112875651	A	-0.051	0.392	0.004	5.00E-35
rs11789603	T	0.045	0.109	0.007	1.70E-12
rs13108218	G	-0.033	0.615	0.004	5.90E-16
rs142158911	A	-0.092	0.117	0.006	1.20E-48
rs1461729	G	0.070	0.899	0.007	5.40E-26
rs174564	G	0.084	0.347	0.004	5.10E-88
rs200671503	T	0.054	0.942	0.009	2.70E-10
rs2378390	A	-0.032	0.141	0.006	7.00E-09
rs247617	A	0.051	0.324	0.004	6.50E-33
rs261290	C	-0.089	0.655	0.004	7.90E-99
rs2740488	C	-0.048	0.265	0.005	1.00E-25
rs3011437	G	0.036	0.294	0.004	1.30E-16
rs34232196	T	-0.031	0.245	0.005	8.30E-11
rs35633876	T	-0.034	0.482	0.004	2.40E-17
rs36018387	T	-0.044	0.105	0.007	6.40E-12
rs4008004	A	0.031	0.222	0.005	1.90E-10
rs4299376	T	-0.039	0.676	0.004	2.50E-19
rs4665972	C	-0.051	0.605	0.004	1.30E-35
rs4947302	T	0.046	0.065	0.008	4.80E-10
rs534417	G	0.036	0.875	0.006	2.50E-09
rs55747707	A	-0.045	0.204	0.005	1.50E-18
rs56322906	A	-0.088	0.035	0.011	2.90E-15
rs58542926	T	-0.110	0.074	0.008	7.50E-48
rs602633	G	0.053	0.783	0.005	7.50E-28
rs633695	G	0.070	0.292	0.004	2.00E-54
rs6471717	A	-0.031	0.663	0.004	1.40E-13
rs6602911	T	0.024	0.360	0.004	1.40E-08
rs6882345	A	0.044	0.633	0.004	2.00E-26
rs693	A	0.061	0.521	0.004	3.40E-54
rs7139079	A	-0.026	0.593	0.004	4.80E-10
rs7750288	G	0.027	0.285	0.004	1.10E-09
rs7816447	C	-0.049	0.101	0.007	8.20E-13
rs9302635	C	-0.028	0.182	0.005	3.40E-08
rs9304381	T	0.063	0.818	0.005	1.00E-33

Supplementary Table 4. SNPs used as instrumental variables from omega-3 fatty acid GWASs when ADHD is used as outcome.

SNP	Effect Allele	Effect	Allele Frequency	SE	P-value
rs10455872	G	-0.063	0.079	0.008	2.80E-17
rs11242109	T	0.024	0.479	0.004	2.40E-09
rs112875651	A	-0.087	0.392	0.004	3.50E-98
rs1132899	C	0.027	0.510	0.004	8.60E-11
rs11563251	T	0.035	0.111	0.006	3.20E-08
rs1167998	A	0.071	0.645	0.004	3.60E-66
rs11681659	T	-0.025	0.716	0.004	2.00E-08
rs117143374	C	-0.037	0.142	0.006	2.20E-10
rs117733303	G	-0.116	0.019	0.015	1.40E-15
rs12226389	C	-0.051	0.186	0.005	1.10E-22
rs1260326	C	-0.082	0.604	0.004	8.40E-88
rs13424225	T	0.022	0.450	0.004	2.20E-08
rs139974673	C	0.118	0.026	0.013	2.30E-21
rs157592	C	0.028	0.185	0.005	3.60E-09
rs1672811	C	0.025	0.748	0.005	3.00E-08
rs16940904	T	-0.036	0.227	0.005	3.90E-14
rs174564	G	-0.337	0.347	0.004	1.00E-200
rs2394976	T	-0.046	0.162	0.006	1.20E-15
rs261290	C	-0.114	0.655	0.004	3.90E-161
rs3129962	A	-0.039	0.130	0.006	1.80E-09
rs34663616	A	0.036	0.138	0.006	4.40E-10
rs35135293	T	-0.021	0.517	0.004	3.90E-08
rs4000713	A	-0.029	0.295	0.004	1.00E-11
rs6129624	A	-0.026	0.335	0.004	5.10E-10
rs62466318	T	-0.072	0.204	0.005	1.20E-45
rs629301	T	0.038	0.778	0.005	1.30E-14
rs633695	G	0.084	0.292	0.004	9.10E-80
rs6601924	C	0.035	0.846	0.006	8.50E-10
rs673335	C	-0.067	0.160	0.006	1.10E-34
rs6882345	A	0.029	0.633	0.004	1.90E-13
rs73109460	A	-0.035	0.124	0.006	9.20E-10
rs737338	T	-0.073	0.035	0.011	3.50E-11
rs7819706	G	-0.040	0.118	0.006	1.80E-10
rs7970695	A	-0.025	0.621	0.004	1.20E-10
rs9304381	T	0.053	0.818	0.005	5.20E-24
rs9987289	G	0.057	0.909	0.007	3.20E-16

Supplementary Table 5. SNPs used as instrumental variables from omega-6 fatty acid GWASs when ADHD is used as outcome.

SNP	Effect Allele	Effect	Allele Frequency	SE	P-value
rs1002687	A	0.091	0.645	0.004	1.00E-107
rs1065853	T	-0.199	0.081	0.007	3.60E-160
rs1081105	C	0.119	0.028	0.012	1.80E-22
rs112875651	A	-0.064	0.392	0.004	2.20E-53
rs114863007	A	-0.046	0.095	0.007	7.30E-12
rs11789603	T	0.048	0.109	0.006	9.70E-14
rs1260326	C	-0.064	0.604	0.004	3.90E-55
rs12740374	T	-0.057	0.221	0.005	1.50E-32
rs13108218	G	-0.035	0.615	0.004	3.60E-18
rs142158911	A	-0.094	0.117	0.006	5.20E-52
rs1461729	G	0.084	0.899	0.007	2.80E-36
rs1800961	T	-0.074	0.030	0.012	3.30E-10
rs183130	T	0.062	0.324	0.004	1.40E-48
rs200671503	T	0.051	0.942	0.009	2.10E-09
rs200730299	C	-0.037	0.194	0.005	7.10E-12
rs2378390	A	-0.033	0.141	0.006	3.20E-09
rs261290	C	-0.097	0.655	0.004	1.00E-116
rs2737245	T	-0.027	0.279	0.005	1.40E-09
rs2740488	C	-0.050	0.265	0.005	5.40E-28
rs3734854	A	0.048	0.065	0.008	5.90E-11
rs3770586	T	-0.023	0.484	0.004	7.10E-09
rs4008004	A	0.033	0.222	0.005	8.40E-12
rs4299376	T	-0.035	0.676	0.004	1.10E-16
rs4439799	T	0.022	0.502	0.004	1.30E-08
rs534417	G	0.039	0.875	0.006	9.30E-11
rs55747707	A	-0.049	0.204	0.005	1.70E-22
rs56322906	A	-0.100	0.035	0.011	1.20E-19
rs5754102	A	-0.032	0.183	0.005	9.90E-10
rs633695	G	0.073	0.292	0.004	1.30E-59
rs6471717	A	-0.029	0.663	0.004	4.00E-12
rs6547409	T	-0.081	0.051	0.009	2.40E-20
rs6602911	T	0.026	0.360	0.004	1.30E-09
rs672889	G	0.076	0.860	0.006	1.30E-41
rs6882345	A	0.045	0.633	0.004	1.20E-27
rs6934962	T	0.023	0.400	0.004	2.20E-08
rs6938647	C	-0.048	0.782	0.005	1.90E-23
rs7139079	A	-0.030	0.593	0.004	3.30E-13
rs72997616	A	-0.052	0.094	0.007	1.60E-13
rs75406471	A	-0.031	0.155	0.006	2.70E-08
rs7750288	G	0.025	0.285	0.004	1.30E-08

rs870526	T	-0.032	0.521	0.004	7.70E-16
rs9304381	T	0.070	0.818	0.005	7.20E-42

Supplementary Table 6. SNPs used as instrumental variables from DHA GWASs when ASD is used as outcome.

SNP	Effect Allele	Effect	Allele Frequency	SE	P-value
rs11122450	T	-0.022	0.389	0.004	3.70E-08
rs112875651	G	0.049	0.608	0.004	1.00E-33
rs113248417	A	0.089	0.975	0.013	3.70E-12
rs11681659	C	0.031	0.284	0.004	1.60E-12
rs1260326	T	0.048	0.396	0.004	7.20E-33
rs12914626	C	0.061	0.298	0.004	5.10E-45
rs139974673	T	-0.071	0.974	0.012	1.10E-08
rs14415	T	0.029	0.716	0.004	2.00E-11
rs1560390	T	0.050	0.780	0.005	9.40E-26
rs16940904	C	0.039	0.773	0.005	1.20E-16
rs174528	T	0.265	0.623	0.004	1.00E-200
rs1800978	C	0.035	0.876	0.006	5.40E-09
rs182611493	A	0.166	0.987	0.019	1.40E-18
rs2229738	C	0.126	0.934	0.008	4.60E-58
rs261291	T	-0.114	0.644	0.004	1.10E-169
rs273912	G	-0.026	0.293	0.004	1.40E-09
rs2853968	A	-0.025	0.597	0.004	8.60E-10
rs312939	G	-0.039	0.248	0.005	1.40E-17
rs34707604	T	-0.038	0.741	0.005	1.30E-15
rs3764261	C	-0.039	0.676	0.004	2.00E-20
rs4986970	A	0.068	0.966	0.011	3.20E-10
rs499974	C	0.057	0.843	0.005	3.60E-26
rs525028	G	0.030	0.291	0.004	3.30E-12
rs543711028	G	0.175	0.987	0.018	8.80E-23
rs55891451	A	-0.032	0.798	0.005	1.20E-10
rs638714	G	0.038	0.654	0.004	9.40E-20
rs660240	T	-0.043	0.215	0.005	1.60E-19
rs6717316	G	0.023	0.330	0.004	2.50E-08
rs72789541	T	0.080	0.704	0.004	3.80E-77
rs72836561	C	0.063	0.969	0.011	2.20E-08
rs72924290	T	-0.089	0.965	0.011	6.80E-16
rs73045691	G	-0.029	0.696	0.004	7.00E-11
rs77960347	A	-0.139	0.987	0.017	4.80E-16
rs78689694	G	-0.041	0.867	0.006	2.20E-12
rs9304381	C	-0.050	0.182	0.005	1.90E-22
rs9987289	A	-0.056	0.091	0.007	1.30E-16

Supplementary Table 7. SNPs used as instrumental variables from LA GWASs when ASD is used as outcome.

SNP	Effect Allele	Effect	Allele Frequency	SE	P-value
rs1002687	A	0.087	0.645	0.004	1.80E-97
rs1081105	C	0.121	0.028	0.012	8.20E-23
rs10838724	T	-0.026	0.369	0.004	1.60E-10
rs112875651	A	-0.051	0.392	0.004	5.00E-35
rs115478735	T	0.043	0.183	0.005	1.20E-17
rs11789603	T	0.045	0.109	0.007	1.70E-12
rs13108218	G	-0.033	0.615	0.004	5.90E-16
rs141469619	G	0.124	0.010	0.021	3.80E-10
rs142158911	A	-0.092	0.117	0.006	1.20E-48
rs1461729	G	0.070	0.899	0.007	5.40E-26
rs174564	G	0.084	0.347	0.004	5.10E-88
rs186696265	T	-0.227	0.014	0.017	2.20E-41
rs1883711	C	0.090	0.031	0.012	3.70E-15
rs247617	A	0.051	0.324	0.004	6.50E-33
rs261290	C	-0.089	0.655	0.004	7.90E-99
rs2740488	C	-0.048	0.265	0.005	1.00E-25
rs3011437	G	0.036	0.294	0.004	1.30E-16
rs34232196	T	-0.031	0.245	0.005	8.30E-11
rs35633876	T	-0.034	0.482	0.004	2.40E-17
rs36018387	T	-0.044	0.105	0.007	6.40E-12
rs4299376	T	-0.039	0.676	0.004	2.50E-19
rs4665972	C	-0.051	0.605	0.004	1.30E-35
rs4947302	T	0.046	0.065	0.008	4.80E-10
rs534417	G	0.036	0.875	0.006	2.50E-09
rs55747707	A	-0.045	0.204	0.005	1.50E-18
rs56322906	A	-0.088	0.035	0.011	2.90E-15
rs602633	G	0.053	0.783	0.005	7.50E-28
rs633695	G	0.070	0.292	0.004	2.00E-54
rs6471717	A	-0.031	0.663	0.004	1.40E-13
rs6602911	T	0.024	0.360	0.004	1.40E-08
rs6882345	A	0.044	0.633	0.004	2.00E-26
rs693	A	0.061	0.521	0.004	3.40E-54
rs7139079	A	-0.026	0.593	0.004	4.80E-10
rs740516	G	-0.034	0.151	0.006	1.90E-09
rs7707394	A	0.032	0.357	0.004	3.90E-14
rs7750288	G	0.027	0.285	0.004	1.10E-09
rs77960347	G	0.249	0.013	0.018	1.10E-45
rs7816447	C	-0.049	0.101	0.007	8.20E-13
rs79429216	A	0.147	0.013	0.018	1.60E-16
rs9302635	C	-0.028	0.182	0.005	3.40E-08

rs9304381	T	0.063	0.818	0.005	1.00E-33
rs964184	C	-0.146	0.867	0.006	2.00E-136

Supplementary Table 8. SNPs used as instrumental variables from omega-3 fatty acid GWASs when ASD is used as outcome.

SNP	Effect Allele	Effect	Allele Frequency	SE	P-value
rs10184054	G	-0.036	0.224	0.005	5.60E-15
rs10455872	G	-0.063	0.079	0.008	2.80E-17
rs11242109	T	0.024	0.479	0.004	2.40E-09
rs112875651	A	-0.087	0.392	0.004	3.50E-98
rs1132899	C	0.027	0.510	0.004	8.60E-11
rs11563251	T	0.035	0.111	0.006	3.20E-08
rs1167998	A	0.071	0.645	0.004	3.60E-66
rs11681659	T	-0.025	0.716	0.004	2.00E-08
rs117143374	C	-0.037	0.142	0.006	2.20E-10
rs117733303	G	-0.116	0.019	0.015	1.40E-15
rs12226389	C	-0.051	0.186	0.005	1.10E-22
rs1260326	C	-0.082	0.604	0.004	8.40E-88
rs13424225	T	0.022	0.450	0.004	2.20E-08
rs139974673	C	0.118	0.026	0.013	2.30E-21
rs143355652	T	-0.154	0.010	0.020	9.40E-14
rs144018203	C	0.107	0.011	0.020	4.20E-08
rs1672811	C	0.025	0.748	0.005	3.00E-08
rs16940904	T	-0.036	0.227	0.005	3.90E-14
rs174564	G	-0.337	0.347	0.004	1.00E-200
rs1800978	G	-0.037	0.124	0.006	5.20E-09
rs182611493	G	-0.210	0.013	0.020	1.10E-27
rs2394976	T	-0.046	0.162	0.006	1.20E-15
rs261290	C	-0.114	0.655	0.004	3.90E-161
rs3018731	G	-0.035	0.718	0.005	2.00E-14
rs3129962	A	-0.039	0.130	0.006	1.80E-09
rs34663616	A	0.036	0.138	0.006	4.40E-10
rs35135293	T	-0.021	0.517	0.004	3.90E-08
rs4000713	A	-0.029	0.295	0.004	1.00E-11
rs4860987	T	0.046	0.259	0.005	1.20E-21
rs55891451	C	0.034	0.202	0.005	4.60E-12
rs58542926	T	-0.172	0.074	0.008	1.40E-113
rs6129624	A	-0.026	0.335	0.004	5.10E-10
rs62466318	T	-0.072	0.204	0.005	1.20E-45
rs629301	T	0.038	0.778	0.005	1.30E-14
rs633695	G	0.084	0.292	0.004	9.10E-80
rs6601924	C	0.035	0.846	0.006	8.50E-10
rs6693447	G	0.023	0.462	0.004	4.80E-09
rs673335	C	-0.067	0.160	0.006	1.10E-34
rs6882345	A	0.029	0.633	0.004	1.90E-13
rs72789541	A	-0.081	0.296	0.004	5.60E-75

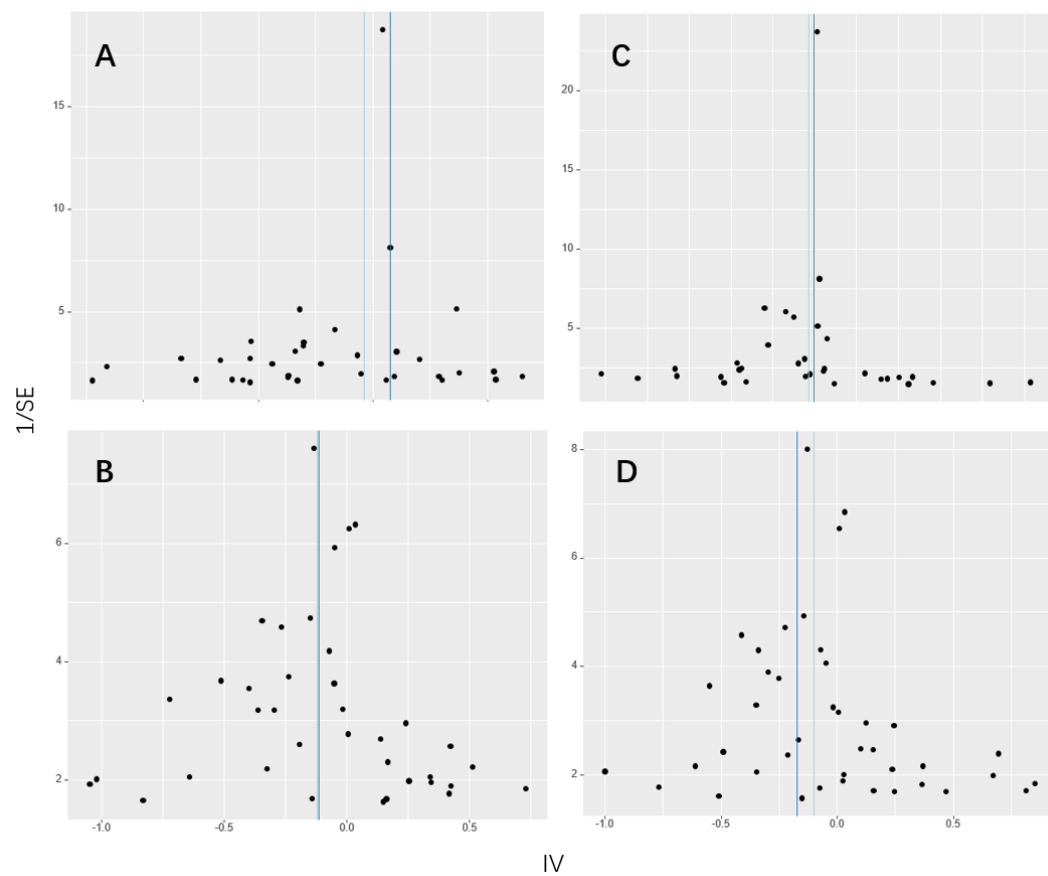
rs737338	T	-0.073	0.035	0.011	3.50E-11
rs77960347	G	0.162	0.013	0.018	7.20E-22
rs7819706	G	-0.040	0.118	0.006	1.80E-10
rs7924036	T	0.023	0.504	0.004	5.50E-10
rs7970695	A	-0.025	0.621	0.004	1.20E-10
rs9304381	T	0.053	0.818	0.005	5.20E-24
rs964184	C	-0.117	0.867	0.006	8.90E-87
rs9987289	G	0.057	0.909	0.007	3.20E-16

Supplementary Table 9. SNPs used as instrumental variables from omega-6 fatty acid GWASs when ASD is used as outcome.

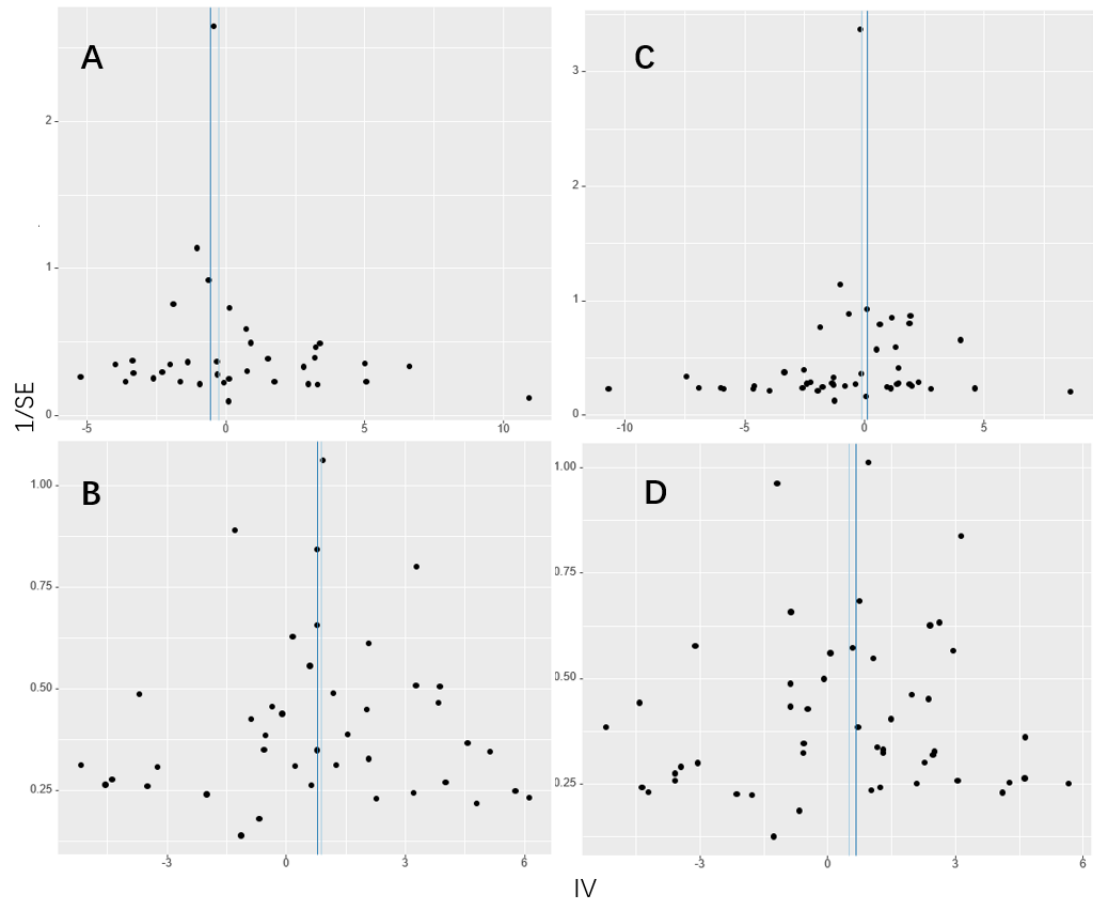
SNP	Effect Allele	Effect	Allele Frequency	SE	P-value
rs1002687	A	0.091	0.645	0.004	1.00E-107
rs1081105	C	0.119	0.028	0.012	1.80E-22
rs112875651	A	-0.064	0.392	0.004	2.20E-53
rs114863007	A	-0.046	0.095	0.007	7.30E-12
rs115478735	T	0.042	0.183	0.005	2.20E-17
rs11789603	T	0.048	0.109	0.006	9.70E-14
rs1260326	C	-0.064	0.604	0.004	3.90E-55
rs12740374	T	-0.057	0.221	0.005	1.50E-32
rs13108218	G	-0.035	0.615	0.004	3.60E-18
rs141469619	G	0.111	0.010	0.021	1.40E-08
rs142158911	A	-0.094	0.117	0.006	5.20E-52
rs1461729	G	0.084	0.899	0.007	2.80E-36
rs1800961	T	-0.074	0.030	0.012	3.30E-10
rs183130	T	0.062	0.324	0.004	1.40E-48
rs1883711	C	0.092	0.031	0.012	3.20E-16
rs261290	C	-0.097	0.655	0.004	1.00E-116
rs2737245	T	-0.027	0.279	0.005	1.40E-09
rs2740488	C	-0.050	0.265	0.005	5.40E-28
rs28383314	C	0.039	0.623	0.004	1.70E-18
rs3734854	A	0.048	0.065	0.008	5.90E-11
rs3770586	T	-0.023	0.484	0.004	7.10E-09
rs3817335	A	-0.028	0.351	0.004	9.80E-12
rs4299376	T	-0.035	0.676	0.004	1.10E-16
rs4439799	T	0.022	0.502	0.004	1.30E-08
rs4860948	A	0.028	0.244	0.005	1.90E-09
rs534417	G	0.039	0.875	0.006	9.30E-11
rs55747707	A	-0.049	0.204	0.005	1.70E-22
rs56322906	A	-0.100	0.035	0.011	1.20E-19
rs58542926	T	-0.128	0.074	0.008	2.50E-65
rs633695	G	0.073	0.292	0.004	1.30E-59
rs6471717	A	-0.029	0.663	0.004	4.00E-12
rs6547409	T	-0.081	0.051	0.009	2.40E-20
rs6602911	T	0.026	0.360	0.004	1.30E-09
rs672889	G	0.076	0.860	0.006	1.30E-41
rs6882345	A	0.045	0.633	0.004	1.20E-27
rs6934962	T	0.023	0.400	0.004	2.20E-08
rs6938647	C	-0.048	0.782	0.005	1.90E-23
rs7139079	A	-0.030	0.593	0.004	3.30E-13
rs72997616	A	-0.052	0.094	0.007	1.60E-13
rs740516	G	-0.032	0.151	0.006	1.40E-08

rs75406471	A	-0.031	0.155	0.006	2.70E-08
rs7707394	A	0.030	0.357	0.004	1.20E-12
rs7750288	G	0.025	0.285	0.004	1.30E-08
rs77960347	G	0.276	0.013	0.018	2.80E-56
rs79429216	A	0.151	0.013	0.018	1.30E-17
rs870526	T	-0.032	0.521	0.004	7.70E-16
rs9295128	T	-0.196	0.017	0.016	3.40E-36
rs9304381	T	0.070	0.818	0.005	7.20E-42
rs9616847	T	0.024	0.388	0.004	1.40E-08
rs964184	C	-0.139	0.867	0.006	1.10E-125

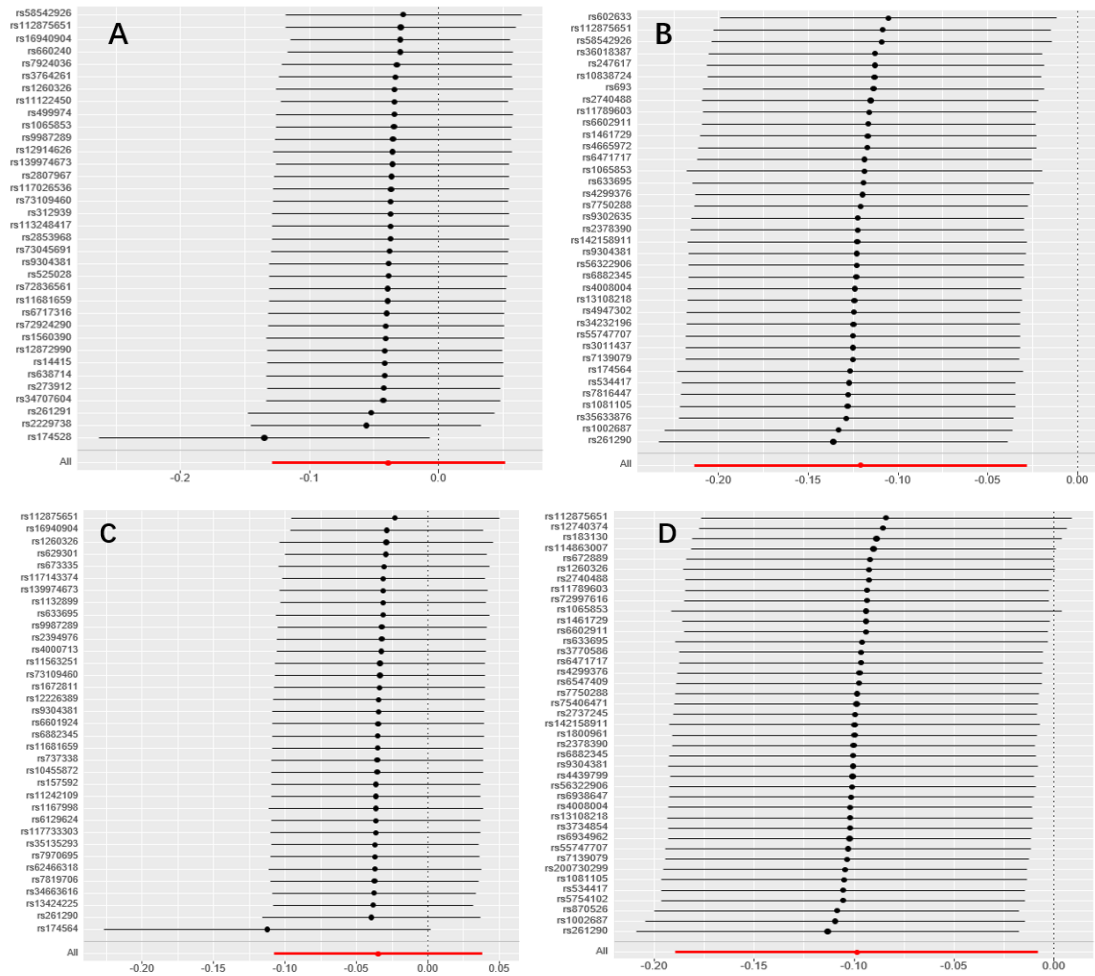
Supplementary Fig 1. Funnel plots of polyunsaturated fatty acids and ADHA by inverse variance weighted analysis, (A) DHA, (B) LA, (C) omega-3 fatty acids, (D) omega-6 fatty acids.



Supplementary Fig 2. Funnel plots of polyunsaturated fatty acids and ASD by inverse variance weighted analysis, (A) DHA, (B) LA, (C) omega-3 fatty acids, (D) omega-6 fatty acids.



Supplementary Fig 3. MR leave-one-out sensitivity analysis for polyunsaturated fatty acids on ADHD, (A) DHA, (B) LA, (C) omega-3 fatty acids, (D) omega-6 fatty acids.



Supplementary Fig 4. MR leave-one-out sensitivity analysis for polyunsaturated fatty acids on ASD, (A) DHA, (B) LA, (C) omega-3 fatty acids, (D) omega-6 fatty acids.

