

**Supplementary Table 1: 27 Phenotypes from ACTG**  
 (Source: <http://ofid.oxfordjournals.org/content/2/1/ofu113/T2.ex>)

Phenotypes	Sample Size	Median	Min	Max	Transformation
Absolute basophil count <sup>b</sup>	2739	–	–	–	Binary
Absolute eosinophil count	2809	2.06	0	3.51	Natural log
Absolute lymphocyte count	2847	3.13	0	4.83	Natural log
Absolute monocyte count	2823	2.6	0	4.36	Natural log
Absolute neutrophil count	2957	3.32	2.54	4.03	Natural log
ALT	2960	1.51	0.3	2.29	Natural log
alkaline Phosphatase	2966	1.89	0.78	2.72	Natural log
AST	2964	1.48	1.04	2.27	Natural log
Blood urea nitrogen	2954	1.11	0.2	2.17	Natural log
Carbon dioxide/bicarbonate	2664	26	12	35	
CD4 T-cell count <sup>b</sup>	3286	224	0	1336	Square root
CD8 T-cell count	3286	2.88	1.54	3.76	Natural log
Chloride	2773	103	89	116	
Creatinine	2986	0.9	0	2.5	
Glucose (fasting)	1761	1.93	1.53	2.64	Natural log
Triglycerides (fasting)	2023	2.06	1.11	3.45	Natural log
Glucose (nonfasting)	1175	1.93	1.48	2.6	Natural log
Hematocrit	3010	40	18	57.5	
Hemoglobin	3026	13.9	6	20	
HDL-C	2456	1.56	0.7	2.17	Natural log
LDL-C	2235	94	12	262	
Platelet count	3000	202	36	648	
Potassium	2773	4.1	2.2	5.7	
HIV-1 RNA	3269	4.61	0.95	7.27	Natural log
Sodium	2776	139	127	151	
Total bilirubin	2925	0.5	0.1	2.3	
Total cholesterol	2852	158	6	350	

**Table 2. Samples used in the Discovery and Replication dataset along with gender, age and square root of CD4 cell count distribution in samples.**

		Discovery Dataset		Replication Dataset	
ACTG Phase		Phase I and II		Phase III	
#Samples		1623		1184	
Sex	Male	1318		1001	
	Female	305		183	
Age	Minimum	17		18	
	Median	37		38	
	Mean	37.94		38.31	
	Maximum	77		70	
	Minimum	0		0	
CD4_Sqrt	Median	15.03		14.66	
	Mean	13.8		13.91	
	Maximum	32.43		32.41	

**Table 3: Replicated Results after Bonferroni Correction**

Phenotype	SNP_1	State_1	Gene_1	SNP_2	State_2	Gene_2	Discovery_pval	Discovery_bonf_pval	Discovery_FDR_pval	Replication_pval	Replication_bonf_pval	Replication_FDR_pval
phe.Fasting_	rs111576333	S5	TMEM64	rs73392640	S8	POLR3B	1.29E-10	0.00525587	1.64E-07	1.65E-14	6.72E-07	1.38E-10
phe.Fasting_	rs112009962	S8	NA	rs139070959	S8	RPN2	8.65E-18	3.53E-10	8.93E-14	6.23E-15	2.54E-07	5.64E-11
phe.Fasting_	rs112009962	S8	NA	rs145412529	S8	"RBL1,RPS3A	5.02E-18	2.05E-10	6.85E-14	8.03E-12	0.000326894	3.03E-08
phe.Fasting_	rs112027720	S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs112027720	S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs112027720	S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs112027720	S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs112027720	S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs112027720	S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs112027720	S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs112027720	S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs112027720	S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs112027720	S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs112091318	S5	TMEM64	rs115787552	S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.89E-15	2.40E-07	5.36E-11
phe.Fasting_	rs112091318	S5	TMEM64	rs115888477	S8	NA	1.42E-15	5.80E-08	4.09E-12	8.94E-16	3.64E-08	1.16E-11
phe.Fasting_	rs112091318	S5	TMEM64	rs116079984	S8	KPNA3	2.06E-16	8.43E-09	7.10E-13	7.16E-15	2.91E-07	6.38E-11
phe.Fasting_	rs112091318	S5	TMEM64	rs146815317	S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.89E-15	2.40E-07	5.36E-11
phe.Fasting_	rs112091318	S5	TMEM64	rs150117838	S8	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.57E-15	2.27E-07	5.09E-11
phe.Fasting_	rs112091318	S5	TMEM64	rs77798597	S7	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.57E-15	2.27E-07	5.09E-11
phe.Fasting_	rs112091318	S5	TMEM64	rs78736524	S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.89E-15	2.40E-07	5.36E-11
phe.Fasting_	rs112091318	S5	TMEM64	rs79781495	S8	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.57E-15	2.27E-07	5.09E-11
phe.Fasting_	rs112091318	S5	TMEM64	rs80332465	S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.99E-15	2.44E-07	5.45E-11
phe.Fasting_	rs112091318	S5	TMEM64	rs80334773	S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.99E-15	2.44E-07	5.45E-11
phe.Fasting_	rs112348319	S8	SPTLC1	rs12581352	S2	NA	7.63E-18	3.12E-10	8.49E-14	2.07E-13	8.42E-06	1.15E-09

phe.Fasting_	rs112608164	S8	SPTLC1	rs12581352	S2	NA	7.63E-18	3.12E-10	8.49E-14	2.07E-13	8.42E-06	1.15E-09
phe.Fasting_	rs112940854	S5	MYO1B	rs113357907	S24	ISL1	9.16E-17	3.74E-09	3.95E-13	1.29E-14	5.26E-07	1.10E-10
phe.Fasting_	rs112940854	S5	MYO1B	rs13400525	S8	MFF	1.15E-15	4.69E-08	3.37E-12	2.01E-10	0.00817811	5.71E-07
phe.Fasting_	rs112940854	S5	MYO1B	rs141926074	S8	ATE1	1.60E-17	6.51E-10	1.22E-13	1.23E-11	0.000502351	4.52E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs6881310	S23	ISL1	5.93E-16	2.42E-08	1.84E-12	5.44E-12	0.000221427	2.14E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs75758702	S24	NA	7.83E-17	3.20E-09	3.47E-13	1.29E-11	0.000525218	4.72E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs77444916	S23	LOC642366	2.06E-16	8.39E-09	7.10E-13	1.23E-14	5.00E-07	1.05E-10
phe.Fasting_	rs112940854	S5	MYO1B	rs80258830	S24	LOC642366	2.06E-16	8.39E-09	7.10E-13	1.23E-14	5.00E-07	1.05E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs113219478	S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs113219478	S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs113219478	S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs113219478	S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs113219478	S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs113219478	S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs113219478	S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs113219478	S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs113219478	S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs113357907	S24	ISL1	rs111576333	S5	TMEM64	1.53E-17	6.25E-10	1.19E-13	7.14E-15	2.91E-07	6.37E-11
phe.Fasting_	rs113357907	S24	ISL1	rs112091318	S5	TMEM64	4.64E-18	1.89E-10	6.53E-14	8.48E-15	3.45E-07	7.46E-11
phe.Fasting_	rs113357907	S24	ISL1	rs114334325	S7	AP3M2	5.53E-12	0.000225777	9.75E-09	5.21E-15	2.12E-07	4.77E-11
phe.Fasting_	rs113357907	S24	ISL1	rs114394395	S7	AP3M2	5.76E-12	0.000235376	1.01E-08	5.21E-15	2.12E-07	4.77E-11
phe.Fasting_	rs113357907	S24	ISL1	rs114565620	S8	RCL1	7.60E-18	3.10E-10	8.48E-14	5.79E-15	2.36E-07	5.27E-11
phe.Fasting_	rs113357907	S24	ISL1	rs115305957	S23	NA	6.19E-18	2.53E-10	7.56E-14	3.34E-15	1.36E-07	3.20E-11
phe.Fasting_	rs113357907	S24	ISL1	rs115787552	S5	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.26E-14	1.33E-06	2.39E-10
phe.Fasting_	rs113357907	S24	ISL1	rs115888477	S8	NA	5.08E-16	2.08E-08	1.60E-12	5.65E-15	2.30E-07	5.16E-11
phe.Fasting_	rs113357907	S24	ISL1	rs116011837	S9	BRD2	9.34E-18	3.81E-10	9.31E-14	3.16E-13	1.29E-05	1.73E-09
phe.Fasting_	rs113357907	S24	ISL1	rs116079984	S8	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.69E-14	1.50E-06	2.65E-10

phe.Fasting_rs113357907 S24	ISL1	rs116120727 S9	BRD2	9.34E-18	3.81E-10	9.31E-14	3.16E-13	1.29E-05	1.73E-09
phe.Fasting_rs113357907 S24	ISL1	rs116406581 S2	NA	2.35E-11	0.000957854	3.42E-08	4.16E-15	1.69E-07	3.88E-11
phe.Fasting_rs113357907 S24	ISL1	rs116696844 S3	AP3M2	1.27E-11	0.000516614	1.97E-08	5.21E-15	2.12E-07	4.77E-11
phe.Fasting_rs113357907 S24	ISL1	rs11989304 S4	TMEM64	1.53E-17	6.25E-10	1.19E-13	6.84E-15	2.78E-07	6.11E-11
phe.Fasting_rs113357907 S24	ISL1	rs141926074 S8	ATE1	2.19E-18	8.94E-11	4.33E-14	8.91E-14	3.63E-06	5.94E-10
phe.Fasting_rs113357907 S24	ISL1	rs146815317 S5	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.26E-14	1.33E-06	2.39E-10
phe.Fasting_rs113357907 S24	ISL1	rs1470889 S5	ZC3H3	9.88E-19	4.04E-11	2.92E-14	2.34E-13	9.52E-06	1.29E-09
phe.Fasting_rs113357907 S24	ISL1	rs1470890 S5	ZC3H3	9.88E-19	4.04E-11	2.92E-14	2.34E-13	9.52E-06	1.29E-09
phe.Fasting_rs113357907 S24	ISL1	rs150117838 S8	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.04E-14	1.24E-06	2.27E-10
phe.Fasting_rs113357907 S24	ISL1	rs17494290 S5	CDH2	1.20E-19	4.91E-12	2.23E-14	2.40E-12	9.78E-05	1.03E-08
phe.Fasting_rs113357907 S24	ISL1	rs2924507 S5	ZC3H3	9.88E-19	4.04E-11	2.92E-14	2.34E-13	9.52E-06	1.29E-09
phe.Fasting_rs113357907 S24	ISL1	rs2924508 S8	ZC3H3	9.88E-19	4.04E-11	2.92E-14	3.32E-13	1.35E-05	1.80E-09
phe.Fasting_rs113357907 S24	ISL1	rs2924511 S7	ZC3H3	9.88E-19	4.04E-11	2.92E-14	2.10E-13	8.55E-06	1.17E-09
phe.Fasting_rs113357907 S24	ISL1	rs2924512 S7	ZC3H3	1.14E-18	4.67E-11	3.11E-14	2.44E-13	9.92E-06	1.34E-09
phe.Fasting_rs113357907 S24	ISL1	rs2956376 S8	ZC3H3	9.88E-19	4.04E-11	2.92E-14	1.42E-13	5.79E-06	8.10E-10
phe.Fasting_rs113357907 S24	ISL1	rs2980270 S7	ZC3H3	9.88E-19	4.04E-11	2.92E-14	1.42E-13	5.79E-06	8.10E-10
phe.Fasting_rs113357907 S24	ISL1	rs2980272 S7	ZC3H3	1.14E-18	4.67E-11	3.11E-14	2.69E-13	1.09E-05	1.48E-09
phe.Fasting_rs113357907 S24	ISL1	rs2980275 S5	ZC3H3	9.88E-19	4.04E-11	2.92E-14	2.34E-13	9.52E-06	1.29E-09
phe.Fasting_rs113357907 S24	ISL1	rs366767 S5	ZC3H3	1.45E-18	5.92E-11	3.49E-14	1.59E-13	6.46E-06	9.00E-10
phe.Fasting_rs113357907 S24	ISL1	rs57503635 S3	NA	3.56E-17	1.46E-09	1.95E-13	1.31E-14	5.34E-07	1.12E-10
phe.Fasting_rs113357907 S24	ISL1	rs7004597 S8	NA	5.53E-12	0.000225777	9.75E-09	3.58E-15	1.46E-07	3.41E-11
phe.Fasting_rs113357907 S24	ISL1	rs7256517 S7	CYTH2	4.07E-17	1.66E-09	2.15E-13	9.22E-15	3.75E-07	8.04E-11
phe.Fasting_rs113357907 S24	ISL1	rs73283603 S7	ZWINT	3.93E-17	1.60E-09	2.11E-13	5.99E-15	2.44E-07	5.44E-11
phe.Fasting_rs113357907 S24	ISL1	rs74627895 S8	TMEM64	4.64E-18	1.89E-10	6.53E-14	4.16E-15	1.69E-07	3.88E-11
phe.Fasting_rs113357907 S24	ISL1	rs74701059 S24	C17orf102	6.33E-18	2.58E-10	7.66E-14	3.41E-15	1.39E-07	3.26E-11
phe.Fasting_rs113357907 S24	ISL1	rs74914207 S24	NA	1.33E-12	5.44E-05	2.62E-09	1.66E-11	0.000676089	5.95E-08
phe.Fasting_rs113357907 S24	ISL1	rs75350765 S5	RCL1	7.60E-18	3.10E-10	8.48E-14	5.79E-15	2.36E-07	5.27E-11
phe.Fasting_rs113357907 S24	ISL1	rs75374128 S5	CNTLN	4.46E-18	1.82E-10	6.40E-14	8.93E-11	0.00363454	2.75E-07
phe.Fasting_rs113357907 S24	ISL1	rs75864203 S8	CNTLN	4.46E-18	1.82E-10	6.40E-14	8.93E-11	0.00363454	2.75E-07
phe.Fasting_rs113357907 S24	ISL1	rs75949566 S5	TMEM64	1.56E-17	6.37E-10	1.20E-13	9.89E-15	4.03E-07	8.59E-11
phe.Fasting_rs113357907 S24	ISL1	rs7763107 S8	FARS2	2.78E-17	1.13E-09	1.64E-13	1.37E-15	5.56E-08	1.54E-11
phe.Fasting_rs113357907 S24	ISL1	rs77798597 S7	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.04E-14	1.24E-06	2.27E-10
phe.Fasting_rs113357907 S24	ISL1	rs77845645 S21	NA	6.39E-18	2.61E-10	7.72E-14	1.26E-14	5.13E-07	1.08E-10
phe.Fasting_rs113357907 S24	ISL1	rs78353402 S8	AP3M2	5.53E-12	0.000225777	9.75E-09	5.21E-15	2.12E-07	4.77E-11
phe.Fasting_rs113357907 S24	ISL1	rs78516788 S8	SLC38A1	4.92E-18	2.01E-10	6.76E-14	1.07E-14	4.35E-07	9.27E-11
phe.Fasting_rs113357907 S24	ISL1	rs78697063 S5	MSI2	1.84E-20	7.51E-13	1.89E-14	3.34E-15	1.36E-07	3.20E-11
phe.Fasting_rs113357907 S24	ISL1	rs78722272 S5	CNTLN	4.46E-18	1.82E-10	6.40E-14	8.82E-11	0.00359026	2.72E-07
phe.Fasting_rs113357907 S24	ISL1	rs78736524 S5	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.26E-14	1.33E-06	2.39E-10
phe.Fasting_rs113357907 S24	ISL1	rs78990344 S2	LOC10050631	1.53E-17	6.25E-10	1.19E-13	6.84E-15	2.78E-07	6.11E-11
phe.Fasting_rs113357907 S24	ISL1	rs79703349 S24	C17orf102	6.33E-18	2.58E-10	7.66E-14	3.88E-15	1.58E-07	3.65E-11

phe.Fasting_	rs113357907	S24	ISL1	rs79781495	S8	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.04E-14	1.24E-06	2.27E-10
phe.Fasting_	rs113357907	S24	ISL1	rs80332465	S5	KPNA3	7.00E-17	2.86E-09	3.16E-13	3.19E-14	1.30E-06	2.35E-10
phe.Fasting_	rs113357907	S24	ISL1	rs80334773	S5	KPNA3	7.00E-17	2.86E-09	3.16E-13	3.19E-14	1.30E-06	2.35E-10
phe.Fasting_	rs113568654	S12	SPTLC1	rs12581352	S2	NA	7.73E-18	3.16E-10	8.51E-14	1.06E-12	4.32E-05	4.92E-09
phe.Fasting_	rs114032844	S21	NA	rs139070959	S8	RPN2	9.49E-17	3.88E-09	4.08E-13	1.38E-14	5.63E-07	1.17E-10
phe.Fasting_	rs114032844	S21	NA	rs145412529	S8	"RBL1,RPS3A	5.68E-17	2.32E-09	2.72E-13	1.54E-14	6.27E-07	1.29E-10
phe.Fasting_	rs114334325	S7	AP3M2	rs73619637	S8	NA	3.31E-14	1.35E-06	8.02E-11	5.78E-11	0.0023523	1.85E-07
phe.Fasting_	rs114394395	S7	AP3M2	rs73619637	S8	NA	3.53E-14	1.44E-06	8.53E-11	5.78E-11	0.0023523	1.85E-07
phe.Fasting_	rs114565620	S8	RCL1	rs115083290	S19	NA	2.89E-17	1.18E-09	1.66E-13	3.20E-14	1.30E-06	2.35E-10
phe.Fasting_	rs114565620	S8	RCL1	rs115752779	S19	NA	2.89E-17	1.18E-09	1.66E-13	3.20E-14	1.30E-06	2.35E-10
phe.Fasting_	rs114565620	S8	RCL1	rs139070959	S8	RPN2	5.03E-18	2.06E-10	6.86E-14	9.04E-15	3.68E-07	7.90E-11
phe.Fasting_	rs114565620	S8	RCL1	rs145412529	S8	"RBL1,RPS3A	2.94E-18	1.20E-10	5.06E-14	1.03E-14	4.19E-07	8.92E-11
phe.Fasting_	rs114565620	S8	RCL1	rs57503635	S3	NA	4.19E-17	1.71E-09	2.22E-13	1.28E-21	5.23E-14	4.02E-15
phe.Fasting_	rs114565620	S8	RCL1	rs73619637	S8	NA	5.38E-17	2.20E-09	2.63E-13	4.57E-11	0.00185897	1.49E-07
phe.Fasting_	rs114764631	S23	NA	rs112009962	S8	NA	2.59E-18	1.06E-10	4.63E-14	3.08E-15	1.25E-07	2.96E-11
phe.Fasting_	rs114764631	S23	NA	rs12581352	S2	NA	3.05E-18	1.25E-10	5.24E-14	1.55E-15	6.32E-08	1.73E-11
phe.Fasting_	rs115083290	S19	NA	rs139070959	S8	RPN2	2.80E-17	1.15E-09	1.64E-13	1.96E-12	7.97E-05	8.52E-09
phe.Fasting_	rs115083290	S19	NA	rs145412529	S8	"RBL1,RPS3A	1.67E-17	6.80E-10	1.26E-13	2.21E-12	9.01E-05	9.56E-09
phe.Fasting_	rs115083290	S19	NA	rs57503635	S3	NA	2.42E-16	9.88E-09	8.21E-13	6.72E-14	2.74E-06	4.55E-10
phe.Fasting_	rs115088919	S24	NA	rs12581352	S2	NA	2.60E-18	1.06E-10	4.65E-14	1.14E-11	0.00046266	4.18E-08
phe.Fasting_	rs115752779	S19	NA	rs139070959	S8	RPN2	2.80E-17	1.15E-09	1.64E-13	1.96E-12	7.97E-05	8.52E-09
phe.Fasting_	rs115752779	S19	NA	rs145412529	S8	"RBL1,RPS3A	1.67E-17	6.80E-10	1.26E-13	2.21E-12	9.01E-05	9.56E-09
phe.Fasting_	rs115752779	S19	NA	rs57503635	S3	NA	2.42E-16	9.88E-09	8.21E-13	6.72E-14	2.74E-06	4.55E-10
phe.Fasting_	rs115787552	S5	KPNA3	rs57503635	S3	NA	1.29E-15	5.25E-08	3.74E-12	4.33E-15	1.76E-07	4.03E-11
phe.Fasting_	rs115888477	S8	NA	rs57503635	S3	NA	8.77E-15	3.58E-07	2.24E-11	7.79E-16	3.17E-08	1.16E-11
phe.Fasting_	rs115888477	S8	NA	rs75506779	S5	TMCO3	1.13E-15	4.60E-08	3.30E-12	3.86E-16	1.57E-08	1.16E-11
phe.Fasting_	rs116011837	S9	BRD2	rs112089881	S8	ZFAND4	2.75E-18	1.12E-10	4.87E-14	2.89E-17	1.18E-09	2.81E-12
phe.Fasting_	rs116011837	S9	BRD2	rs112348319	S8	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	0.00188663	1.51E-07
phe.Fasting_	rs116011837	S9	BRD2	rs112608164	S8	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	0.00188663	1.51E-07
phe.Fasting_	rs116011837	S9	BRD2	rs114334325	S7	AP3M2	5.95E-16	2.43E-08	1.84E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_	rs116011837	S9	BRD2	rs114394395	S7	AP3M2	6.40E-16	2.61E-08	1.97E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_	rs116011837	S9	BRD2	rs114565620	S8	RCL1	1.29E-17	5.27E-10	1.08E-13	2.80E-12	0.000113775	1.19E-08
phe.Fasting_	rs116011837	S9	BRD2	rs115787552	S5	KPNA3	6.47E-12	0.000264296	1.13E-08	5.11E-15	2.08E-07	4.70E-11
phe.Fasting_	rs116011837	S9	BRD2	rs115888477	S8	NA	2.63E-11	0.00107232	3.78E-08	1.14E-15	4.64E-08	1.31E-11
phe.Fasting_	rs116011837	S9	BRD2	rs116079984	S8	KPNA3	6.47E-12	0.000264296	1.13E-08	8.10E-15	3.30E-07	7.15E-11
phe.Fasting_	rs116011837	S9	BRD2	rs116406581	S2	NA	2.60E-15	1.06E-07	7.29E-12	4.98E-14	2.03E-06	3.45E-10
phe.Fasting_	rs116011837	S9	BRD2	rs116548615	S8	TMEM45B	2.55E-17	1.04E-09	1.58E-13	2.14E-12	8.73E-05	9.31E-09
phe.Fasting_	rs116011837	S9	BRD2	rs116696844	S3	AP3M2	9.71E-16	3.96E-08	2.89E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_	rs116011837	S9	BRD2	rs141926074	S8	ATE1	4.36E-18	1.78E-10	6.36E-14	8.52E-14	3.47E-06	5.69E-10
phe.Fasting_	rs116011837	S9	BRD2	rs146815317	S5	KPNA3	6.47E-12	0.000264296	1.13E-08	5.11E-15	2.08E-07	4.70E-11

phe.Fasting_rs116011837S9	BRD2	rs150117838S8	KPNA3	6.47E-12	0.000264296	1.13E-08	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs116011837S9	BRD2	rs366767 S5	ZC3H3	1.08E-13	4.41E-06	2.45E-10	9.53E-13	3.88E-05	4.53E-09
phe.Fasting_rs116011837S9	BRD2	rs7004597 S8	NA	5.95E-16	2.43E-08	1.84E-12	4.49E-14	1.83E-06	3.12E-10
phe.Fasting_rs116011837S9	BRD2	rs75350765 S5	RCL1	1.29E-17	5.27E-10	1.08E-13	2.80E-12	0.000113775	1.19E-08
phe.Fasting_rs116011837S9	BRD2	rs76542405 S5	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	0.00188663	1.51E-07
phe.Fasting_rs116011837S9	BRD2	rs77523818 S7	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	0.00188663	1.51E-07
phe.Fasting_rs116011837S9	BRD2	rs77798597 S7	KPNA3	6.47E-12	0.000264296	1.13E-08	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs116011837S9	BRD2	rs78353402 S8	AP3M2	5.95E-16	2.43E-08	1.84E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_rs116011837S9	BRD2	rs78736524 S5	KPNA3	6.47E-12	0.000264296	1.13E-08	5.11E-15	2.08E-07	4.70E-11
phe.Fasting_rs116011837S9	BRD2	rs79703349 S24	C17orf102	5.18E-14	2.12E-06	1.22E-10	5.11E-11	0.00207984	1.65E-07
phe.Fasting_rs116011837S9	BRD2	rs79781495 S8	KPNA3	6.47E-12	0.000264296	1.13E-08	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs116011837S9	BRD2	rs80332465 S5	KPNA3	6.98E-12	0.000284941	1.20E-08	8.15E-15	3.32E-07	7.19E-11
phe.Fasting_rs116011837S9	BRD2	rs80334773 S5	KPNA3	6.98E-12	0.000284941	1.20E-08	8.15E-15	3.32E-07	7.19E-11
phe.Fasting_rs116079984S8	KPNA3	rs57503635 S3	NA	1.29E-15	5.25E-08	3.74E-12	5.16E-15	2.10E-07	4.74E-11
phe.Fasting_rs116120727S9	BRD2	rs112089881S8	ZFAND4	2.75E-18	1.12E-10	4.87E-14	2.89E-17	1.18E-09	2.81E-12
phe.Fasting_rs116120727S9	BRD2	rs112348319S8	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	0.00188663	1.51E-07
phe.Fasting_rs116120727S9	BRD2	rs112608164S8	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	0.00188663	1.51E-07
phe.Fasting_rs116120727S9	BRD2	rs114334325S7	AP3M2	5.95E-16	2.43E-08	1.84E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_rs116120727S9	BRD2	rs114394395S7	AP3M2	6.40E-16	2.61E-08	1.97E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_rs116120727S9	BRD2	rs114565620S8	RCL1	1.29E-17	5.27E-10	1.08E-13	2.80E-12	0.000113775	1.19E-08
phe.Fasting_rs116120727S9	BRD2	rs115787552S5	KPNA3	6.47E-12	0.000264296	1.13E-08	5.11E-15	2.08E-07	4.70E-11
phe.Fasting_rs116120727S9	BRD2	rs115888477S8	NA	2.63E-11	0.00107232	3.78E-08	1.14E-15	4.64E-08	1.31E-11
phe.Fasting_rs116120727S9	BRD2	rs116079984S8	KPNA3	6.47E-12	0.000264296	1.13E-08	8.10E-15	3.30E-07	7.15E-11
phe.Fasting_rs116120727S9	BRD2	rs116406581S2	NA	2.60E-15	1.06E-07	7.29E-12	4.98E-14	2.03E-06	3.45E-10
phe.Fasting_rs116120727S9	BRD2	rs116548615S8	TMEM45B	2.55E-17	1.04E-09	1.58E-13	2.14E-12	8.73E-05	9.31E-09
phe.Fasting_rs116120727S9	BRD2	rs116696844S3	AP3M2	9.71E-16	3.96E-08	2.89E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_rs116120727S9	BRD2	rs141926074S8	ATE1	4.36E-18	1.78E-10	6.36E-14	8.52E-14	3.47E-06	5.69E-10
phe.Fasting_rs116120727S9	BRD2	rs146815317S5	KPNA3	6.47E-12	0.000264296	1.13E-08	5.11E-15	2.08E-07	4.70E-11
phe.Fasting_rs116120727S9	BRD2	rs150117838S8	KPNA3	6.47E-12	0.000264296	1.13E-08	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs116120727S9	BRD2	rs366767 S5	ZC3H3	1.08E-13	4.41E-06	2.45E-10	9.53E-13	3.88E-05	4.53E-09
phe.Fasting_rs116120727S9	BRD2	rs7004597 S8	NA	5.95E-16	2.43E-08	1.84E-12	4.49E-14	1.83E-06	3.12E-10
phe.Fasting_rs116120727S9	BRD2	rs75350765 S5	RCL1	1.29E-17	5.27E-10	1.08E-13	2.80E-12	0.000113775	1.19E-08
phe.Fasting_rs116120727S9	BRD2	rs76542405 S5	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	0.00188663	1.51E-07
phe.Fasting_rs116120727S9	BRD2	rs77523818 S7	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	0.00188663	1.51E-07
phe.Fasting_rs116120727S9	BRD2	rs77798597 S7	KPNA3	6.47E-12	0.000264296	1.13E-08	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs116120727S9	BRD2	rs78353402 S8	AP3M2	5.95E-16	2.43E-08	1.84E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_rs116120727S9	BRD2	rs78736524 S5	KPNA3	6.47E-12	0.000264296	1.13E-08	5.11E-15	2.08E-07	4.70E-11
phe.Fasting_rs116120727S9	BRD2	rs79703349 S24	C17orf102	5.18E-14	2.12E-06	1.22E-10	5.11E-11	0.00207984	1.65E-07
phe.Fasting_rs116120727S9	BRD2	rs79781495 S8	KPNA3	6.47E-12	0.000264296	1.13E-08	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs116120727S9	BRD2	rs80332465 S5	KPNA3	6.98E-12	0.000284941	1.20E-08	8.15E-15	3.32E-07	7.19E-11

phe.Fasting_	rs116120727	S9	BRD2	rs80334773	S5	KPNA3	6.98E-12	0.000284941	1.20E-08	8.15E-15	3.32E-07	7.19E-11
phe.Fasting_	rs116279995	S20	"PCDHGA4,	rs115787552	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	rs115888477	S8	NA	2.72E-15	1.11E-07	7.62E-12	7.36E-15	3.00E-07	6.53E-11
phe.Fasting_	rs116279995	S20	"PCDHGA4,	rs116079984	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.48E-14	1.82E-06	3.11E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	rs116548615	S8	TMEM45B	2.04E-17	8.34E-10	1.43E-13	7.86E-12	0.000320069	2.98E-08
phe.Fasting_	rs116279995	S20	"PCDHGA4,	rs146815317	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	rs150117838	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	rs77798597	S7	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	rs78736524	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	rs79781495	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	rs80332465	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	rs80334773	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs116406581	S2	NA	rs73619637	S8	NA	1.39E-13	5.67E-06	3.13E-10	4.17E-11	0.00169584	1.37E-07
phe.Fasting_	rs116548615	S8	TMEM45B	rs73619637	S8	NA	1.70E-16	6.94E-09	6.08E-13	2.12E-17	8.64E-10	2.33E-12
phe.Fasting_	rs116696844	S3	AP3M2	rs73619637	S8	NA	4.88E-14	1.99E-06	1.15E-10	5.78E-11	0.0023523	1.85E-07
phe.Fasting_	rs11989304	S4	TMEM64	rs73392640	S8	POLR3B	1.29E-10	0.00525587	1.64E-07	9.02E-11	0.00367219	2.78E-07
phe.Fasting_	rs12488988	S6	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.12E-11	0.000862671	7.46E-08
phe.Fasting_	rs12488988	S6	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.12E-11	0.000862671	7.46E-08
phe.Fasting_	rs12488988	S6	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.38E-11	0.000560103	5.00E-08
phe.Fasting_	rs12492606	S8	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_	rs12492606	S8	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_	rs12492606	S8	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_	rs12581352	S2	NA	rs139070959	S8	RPN2	1.02E-17	4.16E-10	9.76E-14	6.94E-15	2.83E-07	6.20E-11
phe.Fasting_	rs12581352	S2	NA	rs145412529	S8	"RBL1,RPS3A	5.94E-18	2.43E-10	7.36E-14	7.73E-15	3.15E-07	6.86E-11
phe.Fasting_	rs13400525	S8	MFF	rs57503635	S3	NA	1.05E-16	4.30E-09	4.46E-13	2.22E-32	9.05E-25	4.52E-25
phe.Fasting_	rs138090701	S5	HDAC3	rs115787552	S5	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.29E-10	0.00525904	3.89E-07
phe.Fasting_	rs138090701	S5	HDAC3	rs115888477	S8	NA	3.16E-15	1.29E-07	8.58E-12	1.17E-11	0.000475361	4.28E-08
phe.Fasting_	rs138090701	S5	HDAC3	rs116011837	S9	BRD2	5.65E-12	0.000230913	9.97E-09	1.74E-13	7.08E-06	9.84E-10
phe.Fasting_	rs138090701	S5	HDAC3	rs116079984	S8	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.42E-10	0.00579174	4.27E-07
phe.Fasting_	rs138090701	S5	HDAC3	rs116120727	S9	BRD2	5.65E-12	0.000230913	9.97E-09	1.74E-13	7.08E-06	9.84E-10
phe.Fasting_	rs138090701	S5	HDAC3	rs116548615	S8	TMEM45B	2.13E-17	8.70E-10	1.43E-13	1.27E-11	0.000515572	4.64E-08
phe.Fasting_	rs138090701	S5	HDAC3	rs146815317	S5	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.29E-10	0.00525904	3.89E-07
phe.Fasting_	rs138090701	S5	HDAC3	rs150117838	S8	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.21E-10	0.00493898	3.67E-07
phe.Fasting_	rs138090701	S5	HDAC3	rs57503635	S3	NA	8.68E-17	3.54E-09	3.77E-13	2.76E-14	1.12E-06	2.08E-10
phe.Fasting_	rs138090701	S5	HDAC3	rs7763107	S8	FARS2	7.46E-17	3.04E-09	3.33E-13	8.38E-12	0.000340946	3.15E-08
phe.Fasting_	rs138090701	S5	HDAC3	rs77798597	S7	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.21E-10	0.00493898	3.67E-07
phe.Fasting_	rs138090701	S5	HDAC3	rs78736524	S5	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.29E-10	0.00525904	3.89E-07
phe.Fasting_	rs138090701	S5	HDAC3	rs79781495	S8	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.21E-10	0.00493898	3.67E-07
phe.Fasting_	rs138090701	S5	HDAC3	rs80332465	S5	KPNA3	4.42E-16	1.80E-08	1.42E-12	1.29E-10	0.00523542	3.88E-07
phe.Fasting_	rs138090701	S5	HDAC3	rs80334773	S5	KPNA3	4.42E-16	1.80E-08	1.42E-12	1.29E-10	0.00523542	3.88E-07



phe.Fasting_	rs138136869S7	DIAPH1	rs112089881S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_	rs138136869S7	DIAPH1	rs115787552S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs138136869S7	DIAPH1	rs115888477S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_	rs138136869S7	DIAPH1	rs116011837S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_	rs138136869S7	DIAPH1	rs116079984S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_	rs138136869S7	DIAPH1	rs116120727S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_	rs138136869S7	DIAPH1	rs116548615S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_	rs138136869S7	DIAPH1	rs146815317S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs138136869S7	DIAPH1	rs150117838S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs138136869S7	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_	rs138136869S7	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_	rs138136869S7	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_	rs138136869S7	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_	rs138136869S7	DIAPH1	rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_	rs138136869S7	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_	rs138136869S7	DIAPH1	rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_	rs138136869S7	DIAPH1	rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs138136869S7	DIAPH1	rs78697063 S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_	rs138136869S7	DIAPH1	rs78736524 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs138136869S7	DIAPH1	rs79781495 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs138136869S7	DIAPH1	rs80332465 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs138136869S7	DIAPH1	rs80334773 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs115787552S5	KPNA3	1.71E-15	7.00E-08	4.90E-12	1.02E-13	4.14E-06	6.47E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs115888477S8	NA	1.18E-14	4.83E-07	3.01E-11	1.96E-14	7.99E-07	1.58E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs116011837S9	BRD2	2.95E-11	0.00120633	4.18E-08	2.52E-14	1.02E-06	1.91E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs116079984S8	KPNA3	1.71E-15	7.00E-08	4.90E-12	1.13E-13	4.62E-06	7.01E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs116120727S9	BRD2	2.95E-11	0.00120633	4.18E-08	2.52E-14	1.02E-06	1.91E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs146815317S5	KPNA3	1.71E-15	7.00E-08	4.90E-12	1.02E-13	4.14E-06	6.47E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs150117838S8	KPNA3	1.71E-15	7.00E-08	4.90E-12	9.90E-14	4.03E-06	6.40E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs57503635 S3	NA	3.60E-16	1.47E-08	1.18E-12	2.95E-14	1.20E-06	2.20E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs73619637 S8	NA	7.71E-16	3.15E-08	2.35E-12	1.95E-10	0.00792645	5.55E-07
phe.Fasting_	rs138457103S10	DIAPH1	rs74914207 S24	NA	8.07E-11	0.00329638	1.06E-07	1.19E-10	0.00483577	3.60E-07
phe.Fasting_	rs138457103S10	DIAPH1	rs75758702 S24	NA	3.96E-17	1.62E-09	2.13E-13	1.49E-10	0.00606828	4.45E-07
phe.Fasting_	rs138457103S10	DIAPH1	rs7763107 S8	FARS2	3.51E-16	1.44E-08	1.15E-12	8.67E-12	0.000352898	3.26E-08
phe.Fasting_	rs138457103S10	DIAPH1	rs77798597 S7	KPNA3	1.71E-15	7.00E-08	4.90E-12	9.90E-14	4.03E-06	6.40E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs78516788 S8	SLC38A1	1.62E-11	0.000660642	2.47E-08	2.25E-10	0.00916486	6.30E-07
phe.Fasting_	rs138457103S10	DIAPH1	rs78736524 S5	KPNA3	1.71E-15	7.00E-08	4.90E-12	1.02E-13	4.14E-06	6.47E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs79781495 S8	KPNA3	1.71E-15	7.00E-08	4.90E-12	9.90E-14	4.03E-06	6.40E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs80332465 S5	KPNA3	1.81E-15	7.41E-08	5.18E-12	1.07E-13	4.34E-06	6.76E-10
phe.Fasting_	rs138457103S10	DIAPH1	rs80334773 S5	KPNA3	1.81E-15	7.41E-08	5.18E-12	1.07E-13	4.34E-06	6.76E-10

phe.Fasting_	rs138487229	S11	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08	
phe.Fasting_	rs138487229	S11	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08	
phe.Fasting_	rs138487229	S11	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07	
phe.Fasting_	rs138487229	S11	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07	
phe.Fasting_	rs138487229	S11	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07	
phe.Fasting_	rs138487229	S11	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07	
phe.Fasting_	rs138487229	S11	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08	
phe.Fasting_	rs138487229	S11	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07	
phe.Fasting_	rs138487229	S11	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs138487229	S11	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.20E-13	4.88E-06	7.16E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.24E-14	9.14E-07	1.76E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	5.22E-14	2.12E-06	3.61E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.26E-13	5.11E-06	7.44E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	5.22E-14	2.12E-06	3.61E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354038	3.26E-08
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.20E-13	4.88E-06	7.16E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.11E-13	4.50E-06	6.84E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.48E-14	1.42E-06	2.52E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.21E-14	1.31E-06	2.36E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.87E-12	0.000198044	1.93E-08
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211253	1.67E-07
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.06E-10	0.00840276	5.82E-07
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.14E-11	0.00371924	2.80E-07
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.58E-10	0.00642379	4.61E-07
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.26E-12	0.000376781	3.45E-08
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.11E-13	4.50E-06	6.84E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	P	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.20E-13	4.88E-06	7.16E-10

phe.Fasting_rs138738950S8	"PCDHGB2,Prs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.11E-13	4.50E-06	6.84E-10
phe.Fasting_rs138738950S8	"PCDHGB2,Prs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.19E-13	4.84E-06	7.11E-10
phe.Fasting_rs138738950S8	"PCDHGB2,Prs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.19E-13	4.84E-06	7.11E-10
phe.Fasting_rs139297927S8	DIAPH1 rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs139297927S8	DIAPH1 rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs139297927S8	DIAPH1 rs116011837S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs139297927S8	DIAPH1 rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs139297927S8	DIAPH1 rs116120727S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs139297927S8	DIAPH1 rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs139297927S8	DIAPH1 rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs139297927S8	DIAPH1 rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs139297927S8	DIAPH1 rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs139297927S8	DIAPH1 rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs139297927S8	DIAPH1 rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs139297927S8	DIAPH1 rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs139297927S8	DIAPH1 rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs139297927S8	DIAPH1 rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs139297927S8	DIAPH1 rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs139297927S8	DIAPH1 rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs139297927S8	DIAPH1 rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs139297927S8	DIAPH1 rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs139297927S8	DIAPH1 rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs139297927S8	DIAPH1 rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs139297927S8	DIAPH1 rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs139297927S8	DIAPH1 rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs139337303S8	DIAPH1 rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs139337303S8	DIAPH1 rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs139337303S8	DIAPH1 rs116011837S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs139337303S8	DIAPH1 rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs139337303S8	DIAPH1 rs116120727S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs139337303S8	DIAPH1 rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs139337303S8	DIAPH1 rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs139337303S8	DIAPH1 rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs139337303S8	DIAPH1 rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs139337303S8	DIAPH1 rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs139337303S8	DIAPH1 rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs139337303S8	DIAPH1 rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs139337303S8	DIAPH1 rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs139337303S8	DIAPH1 rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs139337303S8	DIAPH1 rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07

phe.Fasting_	rs139337303	S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs139337303	S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs139337303	S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs139337303	S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs139337303	S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs139337303	S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs139337303	S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_	rs139403963	S8	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_	rs139403963	S8	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_	rs139403963	S8	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs116120727	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_	rs139403963	S8	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_	rs139403963	S8	DIAPH1	rs146815317	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs150117838	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_	rs139403963	S8	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_	rs139403963	S8	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_	rs139403963	S8	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_	rs139403963	S8	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_	rs139403963	S8	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_	rs139403963	S8	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_	rs139403963	S8	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_	rs139403963	S8	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs139621309	S18	"LOC100505(rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08	
phe.Fasting_	rs139621309	S18	"LOC100505(rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08	

phe.Fasting_	rs139621309	S18	"LOC100505(rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08	
phe.Fasting_	rs139621309	S18	"LOC100505(rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs139797194	S8	MYO1B	rs113357907	S24	ISL1	1.90E-17	7.77E-10	1.37E-13	4.66E-16	1.90E-08	1.16E-11
phe.Fasting_	rs139797194	S8	MYO1B	rs141926074	S8	ATE1	9.84E-18	4.02E-10	9.58E-14	1.24E-11	0.000506616	4.56E-08
phe.Fasting_	rs139797194	S8	MYO1B	rs2153597	S8	ZNF438	2.91E-12	0.000118651	5.33E-09	5.04E-11	0.00205151	1.63E-07
phe.Fasting_	rs139797194	S8	MYO1B	rs6881310	S23	ISL1	1.32E-16	5.39E-09	5.28E-13	1.65E-11	0.000670252	5.90E-08
phe.Fasting_	rs139797194	S8	MYO1B	rs73619637	S8	NA	2.96E-16	1.21E-08	9.84E-13	2.25E-15	9.15E-08	2.25E-11
phe.Fasting_	rs139797194	S8	MYO1B	rs77444916	S23	LOC642366	4.27E-17	1.74E-09	2.23E-13	4.40E-16	1.79E-08	1.16E-11
phe.Fasting_	rs139797194	S8	MYO1B	rs80258830	S24	LOC642366	4.27E-17	1.74E-09	2.23E-13	4.40E-16	1.79E-08	1.16E-11
phe.Fasting_	rs139828110	S8	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_	rs139828110	S8	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs139828110	S8	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_	rs139828110	S8	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_	rs139828110	S8	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_	rs139828110	S8	DIAPH1	rs116120727	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_	rs139828110	S8	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_	rs139828110	S8	DIAPH1	rs146815317	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs139828110	S8	DIAPH1	rs150117838	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs139828110	S8	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_	rs139828110	S8	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_	rs139828110	S8	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_	rs139828110	S8	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_	rs139828110	S8	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_	rs139828110	S8	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_	rs139828110	S8	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_	rs139828110	S8	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs139828110	S8	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_	rs139828110	S8	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs139828110	S8	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs139828110	S8	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs139828110	S8	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10

phe.Fasting_	rs140070363 S8	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs140070363 S8	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs140070363 S8	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs140070363 S8	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs140070363 S8	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs140070363 S8	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs140070363 S8	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs140070363 S8	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs140070363 S8	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs140070363 S8	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs140644750 S13	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs140644750 S13	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs140644750 S13	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs140644750 S13	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs140644750 S13	DIAPH1	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs140644750 S13	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs140644750 S13	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs140644750 S13	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs140644750 S13	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs140644750 S13	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs140644750 S13	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs140644750 S13	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs140644750 S13	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs140644750 S13	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs140644750 S13	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs140644750 S13	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs140644750 S13	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs140644750 S13	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07

phe.Fasting_rs140644750S13	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs140644750S13	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs140644750S13	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs140644750S13	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs141022544S8	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs141022544S8	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs141022544S8	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs141022544S8	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs141022544S8	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs141022544S8	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs141022544S8	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs141022544S8	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs141022544S8	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs141022544S8	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs141022544S8	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs141022544S8	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs141022544S8	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs141022544S8	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs141022544S8	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs141022544S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs141022544S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs141022544S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs141022544S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs141022544S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs141022544S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs141022544S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs141525984S5	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs141525984S5	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs141525984S5	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs141525984S5	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs141525984S5	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs141525984S5	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs141525984S5	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs141525984S5	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs141525984S5	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs141525984S5	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs141525984S5	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs141525984S5	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs141525984S5	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs141525984S5	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07

phe.Fasting_	rs141525984	S5	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs141525984	S5	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs141525984	S5	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs141525984	S5	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs141525984	S5	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs141525984	S5	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs141525984	S5	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs141525984	S5	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs141692339	S3	"PCDHGA6,P	rs115787552	S5	KPNA3	4.75E-16	1.94E-08	1.51E-12	6.03E-14	2.46E-06	4.09E-10
phe.Fasting_	rs141692339	S3	"PCDHGA6,P	rs115888477	S8	NA	3.41E-15	1.39E-07	9.24E-12	1.07E-14	4.37E-07	9.31E-11
phe.Fasting_	rs141692339	S3	"PCDHGA6,P	rs116079984	S8	KPNA3	4.75E-16	1.94E-08	1.51E-12	6.40E-14	2.60E-06	4.33E-10
phe.Fasting_	rs141692339	S3	"PCDHGA6,P	rs116548615	S8	TMEM45B	2.56E-17	1.05E-09	1.58E-13	1.16E-11	0.000472288	4.26E-08
phe.Fasting_	rs141692339	S3	"PCDHGA6,P	rs146815317	S5	KPNA3	4.75E-16	1.94E-08	1.51E-12	6.03E-14	2.46E-06	4.09E-10
phe.Fasting_	rs141692339	S3	"PCDHGA6,P	rs150117838	S8	KPNA3	4.75E-16	1.94E-08	1.51E-12	5.58E-14	2.27E-06	3.84E-10
phe.Fasting_	rs141692339	S3	"PCDHGA6,P	rs16894241	S4	HIST1H2BK	2.52E-12	0.000102951	4.68E-09	1.70E-14	6.91E-07	1.40E-10
phe.Fasting_	rs141692339	S3	"PCDHGA6,P	rs77798597	S7	KPNA3	4.75E-16	1.94E-08	1.51E-12	5.58E-14	2.27E-06	3.84E-10
phe.Fasting_	rs141692339	S3	"PCDHGA6,P	rs78736524	S5	KPNA3	4.75E-16	1.94E-08	1.51E-12	6.03E-14	2.46E-06	4.09E-10
phe.Fasting_	rs141692339	S3	"PCDHGA6,P	rs79781495	S8	KPNA3	4.75E-16	1.94E-08	1.51E-12	5.58E-14	2.27E-06	3.84E-10
phe.Fasting_	rs141692339	S3	"PCDHGA6,P	rs80332465	S5	KPNA3	5.06E-16	2.07E-08	1.59E-12	6.03E-14	2.45E-06	4.09E-10
phe.Fasting_	rs141692339	S3	"PCDHGA6,P	rs80334773	S5	KPNA3	5.06E-16	2.07E-08	1.59E-12	6.03E-14	2.45E-06	4.09E-10
phe.Fasting_	rs141926074	S8	ATE1	rs115787552	S5	KPNA3	1.30E-16	5.31E-09	5.25E-13	2.22E-15	9.04E-08	2.24E-11
phe.Fasting_	rs141926074	S8	ATE1	rs115888477	S8	NA	9.78E-16	3.99E-08	2.91E-12	3.77E-15	1.53E-07	3.57E-11
phe.Fasting_	rs141926074	S8	ATE1	rs116079984	S8	KPNA3	1.30E-16	5.31E-09	5.25E-13	3.91E-15	1.59E-07	3.68E-11
phe.Fasting_	rs141926074	S8	ATE1	rs146815317	S5	KPNA3	1.30E-16	5.31E-09	5.25E-13	2.22E-15	9.04E-08	2.24E-11
phe.Fasting_	rs141926074	S8	ATE1	rs150117838	S8	KPNA3	1.30E-16	5.31E-09	5.25E-13	3.55E-15	1.45E-07	3.39E-11
phe.Fasting_	rs141926074	S8	ATE1	rs57503635	S3	NA	3.36E-17	1.37E-09	1.87E-13	4.46E-15	1.81E-07	4.13E-11
phe.Fasting_	rs141926074	S8	ATE1	rs74914207	S24	NA	1.21E-17	4.92E-10	1.05E-13	2.93E-15	1.19E-07	2.83E-11
phe.Fasting_	rs141926074	S8	ATE1	rs77798597	S7	KPNA3	1.30E-16	5.31E-09	5.25E-13	3.55E-15	1.45E-07	3.39E-11
phe.Fasting_	rs141926074	S8	ATE1	rs78516788	S8	SLC38A1	4.52E-18	1.85E-10	6.42E-14	1.50E-12	6.10E-05	6.73E-09
phe.Fasting_	rs141926074	S8	ATE1	rs78736524	S5	KPNA3	1.30E-16	5.31E-09	5.25E-13	2.22E-15	9.04E-08	2.24E-11
phe.Fasting_	rs141926074	S8	ATE1	rs79781495	S8	KPNA3	1.30E-16	5.31E-09	5.25E-13	3.55E-15	1.45E-07	3.39E-11
phe.Fasting_	rs141926074	S8	ATE1	rs80332465	S5	KPNA3	1.39E-16	5.69E-09	5.53E-13	3.20E-15	1.30E-07	3.07E-11
phe.Fasting_	rs141926074	S8	ATE1	rs80334773	S5	KPNA3	1.39E-16	5.69E-09	5.53E-13	3.20E-15	1.30E-07	3.07E-11
phe.Fasting_	rs142480565	S8	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs142480565	S8	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10



phe.Fasting_	rs142480565	S8	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs142480565	S8	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs142480565	S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs142789100	S8	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_	rs142789100	S8	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs142789100	S8	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11

phe.Fasting_rs142789100S8	DIAPH1	rs116011837S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs142789100S8	DIAPH1	rs116079984S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs142789100S8	DIAPH1	rs116120727S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs142789100S8	DIAPH1	rs116548615S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs142789100S8	DIAPH1	rs146815317S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs142789100S8	DIAPH1	rs150117838S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs142789100S8	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs142789100S8	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs142789100S8	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs142789100S8	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs142789100S8	DIAPH1	rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_rs142789100S8	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_rs142789100S8	DIAPH1	rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs142789100S8	DIAPH1	rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs142789100S8	DIAPH1	rs78697063 S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_rs142789100S8	DIAPH1	rs78736524 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs142789100S8	DIAPH1	rs79781495 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs142789100S8	DIAPH1	rs80332465 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs142789100S8	DIAPH1	rs80334773 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs142812798S7	DIAPH1	rs112089881S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_rs142812798S7	DIAPH1	rs115787552S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs142812798S7	DIAPH1	rs115888477S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs142812798S7	DIAPH1	rs116011837S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs142812798S7	DIAPH1	rs116079984S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs142812798S7	DIAPH1	rs116120727S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs142812798S7	DIAPH1	rs116548615S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs142812798S7	DIAPH1	rs146815317S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs142812798S7	DIAPH1	rs150117838S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs142812798S7	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs142812798S7	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs142812798S7	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs142812798S7	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs142812798S7	DIAPH1	rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_rs142812798S7	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_rs142812798S7	DIAPH1	rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs142812798S7	DIAPH1	rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs142812798S7	DIAPH1	rs78697063 S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_rs142812798S7	DIAPH1	rs78736524 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs142812798S7	DIAPH1	rs79781495 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs142812798S7	DIAPH1	rs80332465 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10

phe.Fasting_	rs142812798S7	DIAPH1	rs80334773 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs142888461S7	NEK1	rs113357907S24	ISL1	9.27E-18	3.79E-10	9.26E-14	6.30E-16	2.56E-08	1.16E-11
phe.Fasting_	rs142888461S7	NEK1	rs116011837S9	BRD2	3.44E-17	1.40E-09	1.90E-13	1.14E-10	0.00465709	3.47E-07
phe.Fasting_	rs142888461S7	NEK1	rs116120727S9	BRD2	3.44E-17	1.40E-09	1.90E-13	1.14E-10	0.00465709	3.47E-07
phe.Fasting_	rs142888461S7	NEK1	rs6881310 S23	ISL1	6.43E-17	2.62E-09	2.96E-13	1.73E-12	7.04E-05	7.61E-09
phe.Fasting_	rs142888461S7	NEK1	rs77444916 S23	LOC642366	2.32E-17	9.46E-10	1.47E-13	5.90E-16	2.40E-08	1.16E-11
phe.Fasting_	rs142888461S7	NEK1	rs80258830 S24	LOC642366	2.32E-17	9.46E-10	1.47E-13	5.90E-16	2.40E-08	1.16E-11
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs112089881S8	ZFAND4	3.54E-18	1.44E-10	5.67E-14	1.61E-10	0.00653416	4.68E-07
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs115787552S5	KPNA3	5.29E-16	2.16E-08	1.66E-12	1.98E-14	8.05E-07	1.59E-10
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs115888477S8	NA	3.83E-15	1.56E-07	1.02E-11	3.47E-15	1.41E-07	3.32E-11
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs116011837S9	BRD2	8.87E-12	0.000362046	1.47E-08	7.51E-15	3.06E-07	6.66E-11
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs116079984S8	KPNA3	5.29E-16	2.16E-08	1.66E-12	2.14E-14	8.71E-07	1.70E-10
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs116120727S9	BRD2	8.87E-12	0.000362046	1.47E-08	7.51E-15	3.06E-07	6.66E-11
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs116548615S8	TMEM45B	3.14E-17	1.28E-09	1.77E-13	1.39E-12	5.67E-05	6.30E-09
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs146815317S5	KPNA3	5.29E-16	2.16E-08	1.66E-12	1.98E-14	8.05E-07	1.59E-10
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs150117838S8	KPNA3	5.29E-16	2.16E-08	1.66E-12	1.82E-14	7.42E-07	1.50E-10
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs16894241 S4	HIST1H2BK	3.21E-12	0.000131135	5.86E-09	5.53E-15	2.25E-07	5.05E-11
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs57503635 S3	NA	1.33E-16	5.44E-09	5.32E-13	5.51E-15	2.24E-07	5.04E-11
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs7256517 S7	CYTH2	1.72E-16	7.03E-09	6.15E-13	7.89E-13	3.21E-05	3.77E-09
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs73392640 S8	POLR3B	3.87E-11	0.00157908	5.34E-08	5.63E-12	0.000229351	2.20E-08
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs74914207 S24	NA	2.84E-11	0.00116023	4.07E-08	1.25E-11	0.000510414	4.59E-08
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs75758702 S24	NA	1.14E-17	4.64E-10	1.02E-13	2.21E-11	0.000898496	7.70E-08
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs7763107 S8	FARS2	1.05E-16	4.27E-09	4.43E-13	1.31E-12	5.33E-05	5.92E-09
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs77798597 S7	KPNA3	5.29E-16	2.16E-08	1.66E-12	1.82E-14	7.42E-07	1.50E-10
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs78697063 S5	MSI2	8.73E-20	3.57E-12	2.23E-14	1.11E-10	0.00451638	3.38E-07
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs78736524 S5	KPNA3	5.29E-16	2.16E-08	1.66E-12	1.98E-14	8.05E-07	1.59E-10
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs79781495 S8	KPNA3	5.29E-16	2.16E-08	1.66E-12	1.82E-14	7.42E-07	1.50E-10
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs80332465 S5	KPNA3	5.62E-16	2.29E-08	1.75E-12	1.96E-14	7.98E-07	1.58E-10
phe.Fasting_	rs143377827S13	"DIAPH1,LOC	rs80334773 S5	KPNA3	5.62E-16	2.29E-08	1.75E-12	1.96E-14	7.98E-07	1.58E-10
phe.Fasting_	rs143691978S11	DIAPH1	rs112089881S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	2.00E-10	0.0081353	5.68E-07
phe.Fasting_	rs143691978S11	DIAPH1	rs115787552S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_	rs143691978S11	DIAPH1	rs115888477S8	NA	3.68E-15	1.50E-07	9.90E-12	4.39E-15	1.79E-07	4.08E-11
phe.Fasting_	rs143691978S11	DIAPH1	rs116011837S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_	rs143691978S11	DIAPH1	rs116079984S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_	rs143691978S11	DIAPH1	rs116120727S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_	rs143691978S11	DIAPH1	rs116548615S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.84E-12	7.48E-05	8.04E-09
phe.Fasting_	rs143691978S11	DIAPH1	rs146815317S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_	rs143691978S11	DIAPH1	rs150117838S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_	rs143691978S11	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_	rs143691978S11	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	7.18E-15	2.92E-07	6.39E-11

phe.Fasting_rs143691978S11	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	1.01E-12	4.13E-05	4.74E-09
phe.Fasting_rs143691978S11	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	1.10E-11	0.000446024	4.04E-08
phe.Fasting_rs143691978S11	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.71E-11	0.000696754	6.13E-08
phe.Fasting_rs143691978S11	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.90E-11	0.00117848	9.92E-08
phe.Fasting_rs143691978S11	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.67E-12	6.82E-05	7.43E-09
phe.Fasting_rs143691978S11	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs143691978S11	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.49E-10	0.00608249	4.45E-07
phe.Fasting_rs143691978S11	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs143691978S11	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs143691978S11	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs143691978S11	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs144081334S11	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	2.00E-10	0.0081353	5.68E-07
phe.Fasting_rs144081334S11	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs144081334S11	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.39E-15	1.79E-07	4.08E-11
phe.Fasting_rs144081334S11	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs144081334S11	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs144081334S11	DIAPH1	rs116120727	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs144081334S11	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.84E-12	7.48E-05	8.04E-09
phe.Fasting_rs144081334S11	DIAPH1	rs146815317	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs144081334S11	DIAPH1	rs150117838	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs144081334S11	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs144081334S11	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs144081334S11	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	1.01E-12	4.13E-05	4.74E-09
phe.Fasting_rs144081334S11	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	1.10E-11	0.000446024	4.04E-08
phe.Fasting_rs144081334S11	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.71E-11	0.000696754	6.13E-08
phe.Fasting_rs144081334S11	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.90E-11	0.00117848	9.92E-08
phe.Fasting_rs144081334S11	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.67E-12	6.82E-05	7.43E-09
phe.Fasting_rs144081334S11	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs144081334S11	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.49E-10	0.00608249	4.45E-07
phe.Fasting_rs144081334S11	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs144081334S11	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs144081334S11	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs144081334S11	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs144613910S8	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs144613910S8	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs144613910S8	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs144613910S8	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs144613910S8	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs144613910S8	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs144613910S8	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10

phe.Fasting_rs144613910S8	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs144613910S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs144613910S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs144613910S8	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs144613910S8	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs144613910S8	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs144613910S8	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs144613910S8	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs144613910S8	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs144613910S8	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs144613910S8	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs144613910S8	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs144613910S8	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs144613910S8	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs144613910S8	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs145027704S11	DIAPH1	rs112089881S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	2.00E-10	0.0081353	5.68E-07
phe.Fasting_rs145027704S11	DIAPH1	rs115787552S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs145027704S11	DIAPH1	rs115888477S8	NA	3.68E-15	1.50E-07	9.90E-12	4.39E-15	1.79E-07	4.08E-11
phe.Fasting_rs145027704S11	DIAPH1	rs116011837S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs145027704S11	DIAPH1	rs116079984S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs145027704S11	DIAPH1	rs116120727S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs145027704S11	DIAPH1	rs116548615S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.84E-12	7.48E-05	8.04E-09
phe.Fasting_rs145027704S11	DIAPH1	rs146815317S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs145027704S11	DIAPH1	rs150117838S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs145027704S11	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs145027704S11	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs145027704S11	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	1.01E-12	4.13E-05	4.74E-09
phe.Fasting_rs145027704S11	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	1.10E-11	0.000446024	4.04E-08
phe.Fasting_rs145027704S11	DIAPH1	rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.71E-11	0.000696754	6.13E-08
phe.Fasting_rs145027704S11	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.90E-11	0.00117848	9.92E-08
phe.Fasting_rs145027704S11	DIAPH1	rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.67E-12	6.82E-05	7.43E-09
phe.Fasting_rs145027704S11	DIAPH1	rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs145027704S11	DIAPH1	rs78697063 S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.49E-10	0.00608249	4.45E-07
phe.Fasting_rs145027704S11	DIAPH1	rs78736524 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs145027704S11	DIAPH1	rs79781495 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs145027704S11	DIAPH1	rs80332465 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs145027704S11	DIAPH1	rs80334773 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs146220673S7	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs146220673S7	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs146220673S7	DIAPH1	rs116011837S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10

phe.Fasting_rs146220673 S7	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs146220673 S7	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs146220673 S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs146220673 S7	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs112089881 S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	2.00E-10	0.0081353	5.68E-07
phe.Fasting_rs146622060 S13	DIAPH1	rs115787552 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs115888477 S8	NA	3.68E-15	1.50E-07	9.90E-12	4.39E-15	1.79E-07	4.08E-11
phe.Fasting_rs146622060 S13	DIAPH1	rs116011837 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs146622060 S13	DIAPH1	rs116079984 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs116120727 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs146622060 S13	DIAPH1	rs116548615 S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.84E-12	7.48E-05	8.04E-09
phe.Fasting_rs146622060 S13	DIAPH1	rs146815317 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs150117838 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs146622060 S13	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs146622060 S13	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	1.01E-12	4.13E-05	4.74E-09
phe.Fasting_rs146622060 S13	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	1.10E-11	0.000446024	4.04E-08
phe.Fasting_rs146622060 S13	DIAPH1	rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.71E-11	0.000696754	6.13E-08
phe.Fasting_rs146622060 S13	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.90E-11	0.00117848	9.92E-08
phe.Fasting_rs146622060 S13	DIAPH1	rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.67E-12	6.82E-05	7.43E-09
phe.Fasting_rs146622060 S13	DIAPH1	rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs78697063 S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.49E-10	0.00608249	4.45E-07
phe.Fasting_rs146622060 S13	DIAPH1	rs78736524 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs79781495 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs80332465 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10

phe.Fasting_rs146622060S13	DIAPH1	rs80334773 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs146815317S5	KPNA3	rs57503635 S3	NA	1.29E-15	5.25E-08	3.74E-12	4.33E-15	1.76E-07	4.03E-11
phe.Fasting_rs146878162S7	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs146878162S7	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs146878162S7	DIAPH1	rs116011837S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs146878162S7	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs146878162S7	DIAPH1	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs146878162S7	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs146878162S7	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs146878162S7	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs146878162S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs146878162S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs146878162S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs146878162S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs146878162S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs146878162S7	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs146878162S7	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs146878162S7	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs146878162S7	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs146878162S7	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs146878162S7	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs146878162S7	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs146878162S7	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs146878162S7	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs1470889 S5	ZC3H3	rs139070959S8	RPN2	1.38E-18	5.64E-11	3.38E-14	5.20E-15	2.12E-07	4.77E-11
phe.Fasting_rs1470889 S5	ZC3H3	rs145412529S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	6.02E-15	2.45E-07	5.46E-11
phe.Fasting_rs1470890 S5	ZC3H3	rs139070959S8	RPN2	1.38E-18	5.64E-11	3.38E-14	5.20E-15	2.12E-07	4.77E-11
phe.Fasting_rs1470890 S5	ZC3H3	rs145412529S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	6.02E-15	2.45E-07	5.46E-11
phe.Fasting_rs147314451S8	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs147314451S8	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs147314451S8	DIAPH1	rs116011837S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs147314451S8	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs147314451S8	DIAPH1	rs116120727S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs147314451S8	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs147314451S8	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs147314451S8	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs147314451S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs147314451S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs147314451S8	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs147314451S8	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07

phe.Fasting_	rs147314451	S8	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs147314451	S8	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs147314451	S8	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs147314451	S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs147314451	S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs147314451	S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs147314451	S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs147314451	S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs147314451	S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs147314451	S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs147417996	S7	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	2.00E-10	0.0081353	5.68E-07
phe.Fasting_	rs147417996	S7	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_	rs147417996	S7	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.39E-15	1.79E-07	4.08E-11
phe.Fasting_	rs147417996	S7	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_	rs147417996	S7	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_	rs147417996	S7	DIAPH1	rs116120727	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_	rs147417996	S7	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.84E-12	7.48E-05	8.04E-09
phe.Fasting_	rs147417996	S7	DIAPH1	rs146815317	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_	rs147417996	S7	DIAPH1	rs150117838	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_	rs147417996	S7	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_	rs147417996	S7	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_	rs147417996	S7	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	1.01E-12	4.13E-05	4.74E-09
phe.Fasting_	rs147417996	S7	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	1.10E-11	0.000446024	4.04E-08
phe.Fasting_	rs147417996	S7	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.71E-11	0.000696754	6.13E-08
phe.Fasting_	rs147417996	S7	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.90E-11	0.00117848	9.92E-08
phe.Fasting_	rs147417996	S7	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.67E-12	6.82E-05	7.43E-09
phe.Fasting_	rs147417996	S7	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_	rs147417996	S7	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.49E-10	0.00608249	4.45E-07
phe.Fasting_	rs147417996	S7	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_	rs147417996	S7	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_	rs147417996	S7	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_	rs147417996	S7	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_	rs147506725	S21	"PCDHGA1,Pr	rs115787552	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs147506725	S21	"PCDHGA1,Pr	rs115888477	S8	NA	2.72E-15	1.11E-07	7.62E-12	7.36E-15	3.00E-07	6.53E-11
phe.Fasting_	rs147506725	S21	"PCDHGA1,Pr	rs116079984	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.48E-14	1.82E-06	3.11E-10
phe.Fasting_	rs147506725	S21	"PCDHGA1,Pr	rs116548615	S8	TMEM45B	2.04E-17	8.34E-10	1.43E-13	7.86E-12	0.000320069	2.98E-08
phe.Fasting_	rs147506725	S21	"PCDHGA1,Pr	rs146815317	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs147506725	S21	"PCDHGA1,Pr	rs150117838	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs147506725	S21	"PCDHGA1,Pr	rs77798597	S7	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs147506725	S21	"PCDHGA1,Pr	rs78736524	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10



phe.Fasting_rs147506725 S21	"PCDHGA1,Prs79781495 S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs80332465 S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs80334773 S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs147646948 S7	"LOC100505(rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs147646948 S7	"LOC100505(rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs147646948 S7	"LOC100505(rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs147646948 S7	"LOC100505(rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs147646948 S7	"LOC100505(rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs147646948 S7	"LOC100505(rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs147646948 S7	"LOC100505(rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs147646948 S7	"LOC100505(rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs147646948 S7	"LOC100505(rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs147677041 S8	DIAPH1 rs112089881 S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_rs147677041 S8	DIAPH1 rs115787552 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs147677041 S8	DIAPH1 rs115888477 S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs147677041 S8	DIAPH1 rs116011837 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs147677041 S8	DIAPH1 rs116079984 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs147677041 S8	DIAPH1 rs116120727 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs147677041 S8	DIAPH1 rs116548615 S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs147677041 S8	DIAPH1 rs146815317 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs147677041 S8	DIAPH1 rs150117838 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs147677041 S8	DIAPH1 rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs147677041 S8	DIAPH1 rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs147677041 S8	DIAPH1 rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs147677041 S8	DIAPH1 rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs147677041 S8	DIAPH1 rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_rs147677041 S8	DIAPH1 rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08

phe.Fasting_rs147677041S8	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs147677041S8	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs147677041S8	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_rs147677041S8	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs147677041S8	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs147677041S8	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs147677041S8	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs148116628S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs148116628S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs148116628S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs148116628S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs148116628S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs148116628S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs148116628S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs148116628S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs148116628S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs148116628S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs148116628S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs148116628S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs148116628S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs148116628S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs148116628S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs148116628S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs148116628S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs148116628S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs148116628S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs148116628S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs148116628S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs148116628S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs148423011S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs148423011S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs148423011S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs148423011S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs148423011S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs148423011S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs148423011S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs148423011S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs148423011S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs148423011S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs148423011S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08

phe.Fasting_rs148423011S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs148423011S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs148423011S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs148423011S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs148423011S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs148423011S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs148423011S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs148423011S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs148423011S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs148423011S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs148423011S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs149019627S8	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_rs149019627S8	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs149019627S8	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs149019627S8	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs149019627S8	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs149019627S8	DIAPH1	rs116120727	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs149019627S8	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs149019627S8	DIAPH1	rs146815317	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs149019627S8	DIAPH1	rs150117838	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs149019627S8	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	1.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs149019627S8	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs149019627S8	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs149019627S8	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs149019627S8	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_rs149019627S8	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_rs149019627S8	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs149019627S8	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs149019627S8	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_rs149019627S8	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs149019627S8	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs149019627S8	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs149019627S8	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs149075406S8	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs149075406S8	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs149075406S8	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs149075406S8	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs149075406S8	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs149075406S8	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs149075406S8	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10

phe.Fasting_ rs149075406 S8	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_ rs149075406 S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_ rs149075406 S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_ rs149075406 S8	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_ rs149075406 S8	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_ rs149075406 S8	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_ rs149075406 S8	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_ rs149075406 S8	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_ rs149075406 S8	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_ rs149075406 S8	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_ rs149075406 S8	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_ rs149075406 S8	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_ rs149075406 S8	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_ rs149075406 S8	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_ rs149075406 S8	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_ rs149334783 S8	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_ rs149334783 S8	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_ rs149334783 S8	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_ rs149334783 S8	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_ rs149334783 S8	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_ rs149334783 S8	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_ rs149334783 S8	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_ rs149334783 S8	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_ rs149334783 S8	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_ rs149553852 S21	"PCDHGA10,	rs115787552 S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_ rs149553852 S21	"PCDHGA10,	rs115888477 S8	NA	2.72E-15	1.11E-07	7.62E-12	7.36E-15	3.00E-07	6.53E-11
phe.Fasting_ rs149553852 S21	"PCDHGA10,	rs116079984 S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.48E-14	1.82E-06	3.11E-10

phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs116548615	S8	TMEM45B	2.04E-17	8.34E-10	1.43E-13	7.86E-12	0.000320069	2.98E-08
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs146815317	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs150117838	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs77798597	S7	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs78736524	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs79781495	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs80332465	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs80334773	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs149716949	S5	DIAPH1	rs115787552	S5	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.11E-14	4.52E-07	9.57E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs115888477	S8	NA	2.52E-15	1.03E-07	7.08E-12	1.96E-15	7.97E-08	2.11E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs116011837	S9	BRD2	4.69E-12	0.00019166	8.39E-09	2.53E-15	1.03E-07	2.47E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs116079984	S8	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.23E-14	5.02E-07	1.06E-10
phe.Fasting_	rs149716949	S5	DIAPH1	rs116120727	S9	BRD2	4.69E-12	0.00019166	8.39E-09	2.53E-15	1.03E-07	2.47E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs146815317	S5	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.11E-14	4.52E-07	9.57E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs150117838	S8	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.08E-14	4.39E-07	9.34E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs16894241	S4	HIST1H2BK	1.60E-12	6.55E-05	3.12E-09	2.98E-15	1.21E-07	2.87E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs57503635	S3	NA	7.80E-17	3.19E-09	3.46E-13	3.01E-15	1.22E-07	2.90E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs7256517	S7	CYTH2	1.17E-16	4.79E-09	4.85E-13	4.07E-13	1.66E-05	2.19E-09
phe.Fasting_	rs149716949	S5	DIAPH1	rs73392640	S8	POLR3B	1.99E-11	0.000814054	2.96E-08	5.38E-12	0.000219004	2.11E-08
phe.Fasting_	rs149716949	S5	DIAPH1	rs75758702	S4	NA	7.30E-18	2.98E-10	8.31E-14	1.20E-11	0.00048753	4.39E-08
phe.Fasting_	rs149716949	S5	DIAPH1	rs77798597	S7	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.08E-14	4.39E-07	9.34E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs78516788	S8	SLC38A1	2.10E-12	8.56E-05	3.94E-09	3.41E-11	0.00138926	1.14E-07
phe.Fasting_	rs149716949	S5	DIAPH1	rs78697063	S5	MSI2	4.40E-20	1.80E-12	2.23E-14	6.40E-11	0.00260631	2.03E-07
phe.Fasting_	rs149716949	S5	DIAPH1	rs78736524	S5	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.11E-14	4.52E-07	9.57E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs79781495	S8	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.08E-14	4.39E-07	9.34E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs80332465	S5	KPNA3	3.62E-16	1.48E-08	1.19E-12	1.16E-14	4.74E-07	1.00E-10
phe.Fasting_	rs149716949	S5	DIAPH1	rs80334773	S5	KPNA3	3.62E-16	1.48E-08	1.19E-12	1.16E-14	4.74E-07	1.00E-10
phe.Fasting_	rs149791570	S5	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_	rs149791570	S5	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs149791570	S5	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_	rs149791570	S5	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_	rs149791570	S5	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_	rs149791570	S5	DIAPH1	rs116120727	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_	rs149791570	S5	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_	rs149791570	S5	DIAPH1	rs146815317	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs149791570	S5	DIAPH1	rs150117838	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs149791570	S5	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_	rs149791570	S5	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_	rs149791570	S5	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_	rs149791570	S5	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08

phe.Fasting_	rs149791570S5	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_	rs149791570S5	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_	rs149791570S5	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_	rs149791570S5	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs149791570S5	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_	rs149791570S5	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs149791570S5	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs149791570S5	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs149791570S5	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs150117838S8	KPNA3	rs57503635	S3	NA	1.29E-15	5.25E-08	3.74E-12	4.13E-15	1.68E-07	3.85E-11
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs150675915S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs150675915S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs150675915S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs150675915S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs150675915S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs150675915S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs150675915S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs150675915S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10

phe.Fasting_rs150675915S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs150675915S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs150675915S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs150675915S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs150675915S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs150675915S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs150675915S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs150675915S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs150675915S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150675915S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs150675915S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs150675915S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150675915S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs150675915S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs150765570S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs150765570S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs150765570S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs150765570S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs150765570S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs150765570S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs150765570S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs150765570S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150765570S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs150765570S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs150765570S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs150765570S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs150765570S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs150765570S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs150765570S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs150765570S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs150765570S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150765570S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs150765570S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs150765570S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150765570S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs150765570S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs150916187S4	HIST1H2BK	rs114565620	S8	RCL1	9.38E-17	3.83E-09	4.04E-13	4.82E-16	1.96E-08	1.16E-11
phe.Fasting_rs150916187S4	HIST1H2BK	rs115787552	S5	KPNA3	2.90E-16	1.19E-08	9.67E-13	1.02E-11	0.000415894	3.78E-08
phe.Fasting_rs150916187S4	HIST1H2BK	rs116079984	S8	KPNA3	2.90E-16	1.19E-08	9.67E-13	1.28E-11	0.000521901	4.69E-08
phe.Fasting_rs150916187S4	HIST1H2BK	rs146815317	S5	KPNA3	2.90E-16	1.19E-08	9.67E-13	1.02E-11	0.000415894	3.78E-08

phe.Fasting_	rs150916187 S4	HIST1H2BK	rs150117838 S8	KPNA3	2.90E-16	1.19E-08	9.67E-13	9.76E-12	0.000397184	3.62E-08
phe.Fasting_	rs150916187 S4	HIST1H2BK	rs75350765 S5	RCL1	9.38E-17	3.83E-09	4.04E-13	4.82E-16	1.96E-08	1.16E-11
phe.Fasting_	rs150916187 S4	HIST1H2BK	rs77798597 S7	KPNA3	2.90E-16	1.19E-08	9.67E-13	9.76E-12	0.000397184	3.62E-08
phe.Fasting_	rs150916187 S4	HIST1H2BK	rs78736524 S5	KPNA3	2.90E-16	1.19E-08	9.67E-13	1.02E-11	0.000415894	3.78E-08
phe.Fasting_	rs150916187 S4	HIST1H2BK	rs79781495 S8	KPNA3	2.90E-16	1.19E-08	9.67E-13	9.76E-12	0.000397184	3.62E-08
phe.Fasting_	rs150916187 S4	HIST1H2BK	rs80332465 S5	KPNA3	3.13E-16	1.28E-08	1.04E-12	1.03E-11	0.000421273	3.83E-08
phe.Fasting_	rs150916187 S4	HIST1H2BK	rs80334773 S5	KPNA3	3.13E-16	1.28E-08	1.04E-12	1.03E-11	0.000421273	3.83E-08
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs115787552 S5	KPNA3	3.03E-15	1.24E-07	8.30E-12	1.11E-13	4.53E-06	6.88E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs115888477 S8	NA	2.06E-14	8.42E-07	5.10E-11	2.09E-14	8.49E-07	1.66E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs116011837 S9	BRD2	5.03E-11	0.00205601	6.81E-08	3.85E-14	1.57E-06	2.76E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs116079984 S8	KPNA3	3.03E-15	1.24E-07	8.30E-12	1.16E-13	4.73E-06	7.06E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs116120727 S9	BRD2	5.03E-11	0.00205601	6.81E-08	3.85E-14	1.57E-06	2.76E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs116548615 S8	TMEM45B	1.86E-16	7.59E-09	6.50E-13	2.35E-11	0.000956989	8.18E-08
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs146815317 S5	KPNA3	3.03E-15	1.24E-07	8.30E-12	1.11E-13	4.53E-06	6.88E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs150117838 S8	KPNA3	3.03E-15	1.24E-07	8.30E-12	1.03E-13	4.19E-06	6.54E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs16894241 S4	HIST1H2BK	2.02E-11	0.000826881	3.01E-08	3.27E-14	1.33E-06	2.40E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs2153597 S8	ZNF438	5.56E-11	0.00227064	7.48E-08	4.15E-11	0.00168769	1.37E-07
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs57503635 S3	NA	6.55E-16	2.68E-08	2.01E-12	3.12E-14	1.27E-06	2.32E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs7256517 S7	CYTH2	1.08E-15	4.40E-08	3.17E-12	4.57E-12	0.000185844	1.82E-08
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs73392640 S8	POLR3B	2.01E-10	0.00822221	2.48E-07	4.86E-11	0.00197665	1.57E-07
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs73619637 S8	NA	1.47E-15	6.01E-08	4.22E-12	1.84E-10	0.00749129	5.27E-07
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs74914207 S24	NA	1.47E-10	0.00599338	1.85E-07	1.91E-10	0.00776557	5.44E-07
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs75758702 S24	NA	7.20E-17	2.94E-09	3.23E-13	1.53E-10	0.00623178	4.53E-07
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs7763107 S8	FARS2	5.93E-16	2.42E-08	1.84E-12	8.70E-12	0.000354061	3.26E-08
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs77798597 S7	KPNA3	3.03E-15	1.24E-07	8.30E-12	1.03E-13	4.19E-06	6.54E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs78516788 S8	SLC38A1	2.69E-11	0.00109941	3.87E-08	2.31E-10	0.00941253	6.43E-07
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs78736524 S5	KPNA3	3.03E-15	1.24E-07	8.30E-12	1.11E-13	4.53E-06	6.88E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs79781495 S8	KPNA3	3.03E-15	1.24E-07	8.30E-12	1.03E-13	4.19E-06	6.54E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs80332465 S5	KPNA3	3.20E-15	1.31E-07	8.70E-12	1.11E-13	4.51E-06	6.85E-10
phe.Fasting_	rs150992994 S11	"PCDHGA5,	Prs80334773 S5	KPNA3	3.20E-15	1.31E-07	8.70E-12	1.11E-13	4.51E-06	6.85E-10
phe.Fasting_	rs151204700 S8	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs151204700 S8	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs151204700 S8	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs151204700 S8	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs151204700 S8	DIAPH1	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs151204700 S8	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs151204700 S8	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs151204700 S8	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs151204700 S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs151204700 S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10



phe.Fasting_rs151204700S8	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs151204700S8	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs151204700S8	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs151204700S8	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs151204700S8	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs151204700S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs151204700S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs151204700S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs151204700S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs151204700S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs151204700S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs151204700S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs151330468S8	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	2.00E-10	0.0081353	5.68E-07
phe.Fasting_rs151330468S8	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs151330468S8	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.39E-15	1.79E-07	4.08E-11
phe.Fasting_rs151330468S8	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs151330468S8	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs151330468S8	DIAPH1	rs116120727	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs151330468S8	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.84E-12	7.48E-05	8.04E-09
phe.Fasting_rs151330468S8	DIAPH1	rs146815317	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs151330468S8	DIAPH1	rs150117838	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs151330468S8	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs151330468S8	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs151330468S8	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	1.01E-12	4.13E-05	4.74E-09
phe.Fasting_rs151330468S8	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	1.10E-11	0.000446024	4.04E-08
phe.Fasting_rs151330468S8	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.71E-11	0.000696754	6.13E-08
phe.Fasting_rs151330468S8	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.90E-11	0.00117848	9.92E-08
phe.Fasting_rs151330468S8	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.67E-12	6.82E-05	7.43E-09
phe.Fasting_rs151330468S8	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs151330468S8	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.49E-10	0.00608249	4.45E-07
phe.Fasting_rs151330468S8	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs151330468S8	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs151330468S8	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs151330468S8	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs16833550	MYO1B	rs113357907	S24	ISL1	1.90E-17	7.77E-10	1.37E-13	1.45E-14	5.92E-07	1.23E-10
phe.Fasting_rs16833550	MYO1B	rs141926074	S8	ATE1	3.10E-18	1.27E-10	5.31E-14	1.61E-11	0.000654267	5.76E-08
phe.Fasting_rs16833550	MYO1B	rs6881310	S23	ISL1	1.28E-16	5.24E-09	5.19E-13	6.78E-12	0.000276007	2.61E-08
phe.Fasting_rs16833550	MYO1B	rs75758702	S24	NA	1.75E-17	7.14E-10	1.30E-13	1.81E-11	0.00073509	6.44E-08
phe.Fasting_rs16833550	MYO1B	rs77444916	S23	LOC642366	4.42E-17	1.80E-09	2.29E-13	1.38E-14	5.64E-07	1.17E-10
phe.Fasting_rs16833550	MYO1B	rs80258830	S24	LOC642366	4.42E-17	1.80E-09	2.29E-13	1.38E-14	5.64E-07	1.17E-10

phe.Fasting_rs16833551	S5	MYO1B	rs112089881	S8	ZFAND4	2.84E-17	1.16E-09	1.64E-13	6.33E-17	2.58E-09	4.34E-12
phe.Fasting_rs16833551	S5	MYO1B	rs113357907	S24	ISL1	9.39E-17	3.83E-09	4.04E-13	2.87E-14	1.17E-06	2.15E-10
phe.Fasting_rs16833551	S5	MYO1B	rs115787552	S5	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.67E-14	6.81E-07	1.39E-10
phe.Fasting_rs16833551	S5	MYO1B	rs115888477	S8	NA	2.34E-14	9.54E-07	5.76E-11	2.76E-15	1.12E-07	2.68E-11
phe.Fasting_rs16833551	S5	MYO1B	rs116079984	S8	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.99E-14	8.11E-07	1.60E-10
phe.Fasting_rs16833551	S5	MYO1B	rs141926074	S8	ATE1	1.61E-17	6.58E-10	1.23E-13	3.34E-11	0.00135974	1.12E-07
phe.Fasting_rs16833551	S5	MYO1B	rs146815317	S5	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.67E-14	6.81E-07	1.39E-10
phe.Fasting_rs16833551	S5	MYO1B	rs150117838	S8	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.60E-14	6.50E-07	1.34E-10
phe.Fasting_rs16833551	S5	MYO1B	rs6881310	S23	ISL1	6.19E-16	2.53E-08	1.91E-12	1.51E-11	0.000616514	5.45E-08
phe.Fasting_rs16833551	S5	MYO1B	rs75758702	S24	NA	8.46E-17	3.45E-09	3.69E-13	2.34E-11	0.000953298	8.15E-08
phe.Fasting_rs16833551	S5	MYO1B	rs77444916	S23	LOC642366	2.08E-16	8.50E-09	7.15E-13	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs16833551	S5	MYO1B	rs77798597	S7	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.60E-14	6.50E-07	1.34E-10
phe.Fasting_rs16833551	S5	MYO1B	rs78736524	S5	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.67E-14	6.81E-07	1.39E-10
phe.Fasting_rs16833551	S5	MYO1B	rs79781495	S8	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.60E-14	6.50E-07	1.34E-10
phe.Fasting_rs16833551	S5	MYO1B	rs80258830	S24	LOC642366	2.08E-16	8.50E-09	7.15E-13	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs16833551	S5	MYO1B	rs80332465	S5	KPNA3	3.73E-15	1.52E-07	1.00E-11	1.71E-14	6.98E-07	1.41E-10
phe.Fasting_rs16833551	S5	MYO1B	rs80334773	S5	KPNA3	3.73E-15	1.52E-07	1.00E-11	1.71E-14	6.98E-07	1.41E-10
phe.Fasting_rs16833579	S8	MYO1B	rs113357907	S24	ISL1	2.24E-17	9.16E-10	1.45E-13	6.99E-15	2.84E-07	6.24E-11
phe.Fasting_rs16833579	S8	MYO1B	rs13400525	S8	MFF	2.10E-16	8.59E-09	7.21E-13	8.33E-11	0.0033917	2.59E-07
phe.Fasting_rs16833579	S8	MYO1B	rs141926074	S8	ATE1	6.12E-18	2.50E-10	7.50E-14	5.85E-12	0.000238277	2.28E-08
phe.Fasting_rs16833579	S8	MYO1B	rs6881310	S23	ISL1	1.58E-16	6.46E-09	6.03E-13	2.60E-12	0.000105734	1.11E-08
phe.Fasting_rs16833579	S8	MYO1B	rs73619637	S8	NA	3.32E-16	1.36E-08	1.10E-12	1.90E-11	0.000773524	6.76E-08
phe.Fasting_rs16833579	S8	MYO1B	rs77444916	S23	LOC642366	5.20E-17	2.12E-09	2.55E-13	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs16833579	S8	MYO1B	rs80258830	S24	LOC642366	5.20E-17	2.12E-09	2.55E-13	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs16854875	S2	NA	rs116011837	S9	BRD2	1.98E-13	8.09E-06	4.34E-10	5.72E-11	0.00233027	1.83E-07
phe.Fasting_rs16854875	S2	NA	rs116120727	S9	BRD2	1.98E-13	8.09E-06	4.34E-10	5.72E-11	0.00233027	1.83E-07
phe.Fasting_rs16894241	S4	HIST1H2BK	rs114565620	S8	RCL1	1.14E-17	4.64E-10	1.02E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs16894241	S4	HIST1H2BK	rs115787552	S5	KPNA3	2.62E-16	1.07E-08	8.83E-13	1.86E-11	0.000758335	6.63E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs116079984	S8	KPNA3	2.62E-16	1.07E-08	8.83E-13	2.30E-11	0.000937424	8.01E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs146815317	S5	KPNA3	2.62E-16	1.07E-08	8.83E-13	1.86E-11	0.000758335	6.63E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs150117838	S8	KPNA3	2.62E-16	1.07E-08	8.83E-13	1.77E-11	0.000720971	6.32E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs75350765	S5	RCL1	1.14E-17	4.64E-10	1.02E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs16894241	S4	HIST1H2BK	rs77798597	S7	KPNA3	2.62E-16	1.07E-08	8.83E-13	1.77E-11	0.000720971	6.32E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs78736524	S5	KPNA3	2.62E-16	1.07E-08	8.83E-13	1.86E-11	0.000758335	6.63E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs79781495	S8	KPNA3	2.62E-16	1.07E-08	8.83E-13	1.77E-11	0.000720971	6.32E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs80332465	S5	KPNA3	2.79E-16	1.14E-08	9.36E-13	1.87E-11	0.000761502	6.66E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs80334773	S5	KPNA3	2.79E-16	1.14E-08	9.36E-13	1.77E-11	0.000761502	6.66E-08
phe.Fasting_rs17236830	S6	PHC3	rs116011837	S9	BRD2	5.40E-13	2.21E-05	1.14E-09	2.69E-11	0.00109333	9.25E-08
phe.Fasting_rs17236830	S6	PHC3	rs116120727	S9	BRD2	5.40E-13	2.21E-05	1.14E-09	2.69E-11	0.00109333	9.25E-08
phe.Fasting_rs180772028	S8	"DIAPH1,LOC	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10

phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs180772028	S8	"DIAPH1,LOCrs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs181224861	S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs181224861	S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs181224861	S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs181224861	S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs181224861	S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs181224861	S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs181224861	S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs181224861	S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs181224861	S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs181224861	S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs181224861	S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs181224861	S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs181224861	S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs181224861	S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs181224861	S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs181224861	S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs181224861	S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs181224861	S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs181224861	S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10

phe.Fasting_	rs181224861	S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs181224861	S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs181224861	S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs181247960	S21	"PCDHGA9,	Prs115787552	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs181247960	S21	"PCDHGA9,	Prs115888477	S8	NA	2.72E-15	1.11E-07	7.62E-12	7.36E-15	3.00E-07	6.53E-11
phe.Fasting_	rs181247960	S21	"PCDHGA9,	Prs116079984	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.48E-14	1.82E-06	3.11E-10
phe.Fasting_	rs181247960	S21	"PCDHGA9,	Prs116548615	S8	TMEM45B	2.04E-17	8.34E-10	1.43E-13	7.86E-12	0.000320069	2.98E-08
phe.Fasting_	rs181247960	S21	"PCDHGA9,	Prs146815317	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs181247960	S21	"PCDHGA9,	Prs150117838	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs181247960	S21	"PCDHGA9,	Prs77798597	S7	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs181247960	S21	"PCDHGA9,	Prs78736524	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs181247960	S21	"PCDHGA9,	Prs79781495	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs181247960	S21	"PCDHGA9,	Prs80332465	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs181247960	S21	"PCDHGA9,	Prs80334773	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs181824655	S21	"PCDHGB6,	Prs115787552	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs181824655	S21	"PCDHGB6,	Prs115888477	S8	NA	2.72E-15	1.11E-07	7.62E-12	7.36E-15	3.00E-07	6.53E-11
phe.Fasting_	rs181824655	S21	"PCDHGB6,	Prs116079984	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.48E-14	1.82E-06	3.11E-10
phe.Fasting_	rs181824655	S21	"PCDHGB6,	Prs116548615	S8	TMEM45B	2.04E-17	8.34E-10	1.43E-13	7.86E-12	0.000320069	2.98E-08
phe.Fasting_	rs181824655	S21	"PCDHGB6,	Prs146815317	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs181824655	S21	"PCDHGB6,	Prs150117838	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs181824655	S21	"PCDHGB6,	Prs77798597	S7	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs181824655	S21	"PCDHGB6,	Prs78736524	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs181824655	S21	"PCDHGB6,	Prs79781495	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs181824655	S21	"PCDHGB6,	Prs80332465	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs181824655	S21	"PCDHGB6,	Prs80334773	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs182714699	S8	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs182714699	S8	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs182714699	S8	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs182714699	S8	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs182714699	S8	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs182714699	S8	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs182714699	S8	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs182714699	S8	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs182714699	S8	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs182714699	S8	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs182714699	S8	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs182714699	S8	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs182714699	S8	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs182714699	S8	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs182714699	S8	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07

phe.Fasting_rs182714699S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs182714699S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs182714699S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs182714699S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs182714699S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs182714699S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs182714699S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs182958142S8	DIAPH1	rs116011837S9		BRD2	4.39E-11	0.00179086	5.99E-08	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs182958142S8	DIAPH1	rs116079984S8		KPNA3	1.65E-15	6.72E-08	4.71E-12	1.63E-10	0.00662252	4.74E-07
phe.Fasting_rs182958142S8	DIAPH1	rs116120727S9		BRD2	4.39E-11	0.00179086	5.99E-08	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs182958142S8	DIAPH1	rs116548615S8		TMEM45B	8.54E-17	3.49E-09	3.71E-13	5.83E-13	2.37E-05	2.88E-09
phe.Fasting_rs182958142S8	DIAPH1	rs16894241	S4	HIST1H2BK	1.70E-11	0.000696087	2.59E-08	3.83E-15	1.56E-07	3.60E-11
phe.Fasting_rs182958142S8	DIAPH1	rs57503635	S3	NA	3.25E-16	1.33E-08	1.08E-12	2.33E-15	9.50E-08	2.30E-11
phe.Fasting_rs182958142S8	DIAPH1	rs7256517	S7	CYTH2	7.73E-16	3.15E-08	2.35E-12	1.59E-10	0.00645569	4.63E-07
phe.Fasting_rs182965141S8	DIAPH1	rs112089881S8		ZFAND4	4.45E-18	1.82E-10	6.40E-14	4.37E-11	0.00177999	1.43E-07
phe.Fasting_rs182965141S8	DIAPH1	rs115787552S5		KPNA3	6.69E-16	2.73E-08	2.05E-12	5.19E-15	2.11E-07	4.77E-11
phe.Fasting_rs182965141S8	DIAPH1	rs115888477S8		NA	4.74E-15	1.94E-07	1.24E-11	8.30E-16	3.38E-08	1.16E-11
phe.Fasting_rs182965141S8	DIAPH1	rs116011837S9		BRD2	1.24E-11	0.000507427	1.94E-08	1.84E-15	7.47E-08	2.00E-11
phe.Fasting_rs182965141S8	DIAPH1	rs116079984S8		KPNA3	6.69E-16	2.73E-08	2.05E-12	5.75E-15	2.34E-07	5.25E-11
phe.Fasting_rs182965141S8	DIAPH1	rs116120727S9		BRD2	1.24E-11	0.000507427	1.94E-08	1.84E-15	7.47E-08	2.00E-11
phe.Fasting_rs182965141S8	DIAPH1	rs116548615S8		TMEM45B	4.49E-17	1.83E-09	2.29E-13	3.95E-13	1.61E-05	2.13E-09
phe.Fasting_rs182965141S8	DIAPH1	rs146815317S5		KPNA3	6.69E-16	2.73E-08	2.05E-12	5.19E-15	2.11E-07	4.77E-11
phe.Fasting_rs182965141S8	DIAPH1	rs150117838S8		KPNA3	6.69E-16	2.73E-08	2.05E-12	4.80E-15	1.95E-07	4.44E-11
phe.Fasting_rs182965141S8	DIAPH1	rs16894241	S4	HIST1H2BK	5.06E-12	0.000206577	9.00E-09	1.66E-15	6.76E-08	1.84E-11
phe.Fasting_rs182965141S8	DIAPH1	rs57503635	S3	NA	1.66E-16	6.79E-09	6.03E-13	2.32E-15	9.45E-08	2.29E-11
phe.Fasting_rs182965141S8	DIAPH1	rs7256517	S7	CYTH2	2.17E-16	8.84E-09	7.40E-13	2.24E-13	9.10E-06	1.24E-09
phe.Fasting_rs182965141S8	DIAPH1	rs73392640	S8	POLR3B	5.86E-11	0.00239099	7.87E-08	1.80E-12	7.33E-05	7.89E-09
phe.Fasting_rs182965141S8	DIAPH1	rs74914207	S24	NA	3.56E-11	0.00145284	4.96E-08	4.17E-12	0.000169874	1.68E-08
phe.Fasting_rs182965141S8	DIAPH1	rs75758702	S24	NA	3.26E-17	1.33E-09	1.82E-13	2.96E-12	0.0001205	1.26E-08
phe.Fasting_rs182965141S8	DIAPH1	rs7763107	S8	FARS2	1.61E-16	6.58E-09	6.03E-13	3.34E-13	1.36E-05	1.81E-09
phe.Fasting_rs182965141S8	DIAPH1	rs77798597	S7	KPNA3	6.69E-16	2.73E-08	2.05E-12	4.80E-15	1.95E-07	4.44E-11
phe.Fasting_rs182965141S8	DIAPH1	rs78736524	S5	KPNA3	6.69E-16	2.73E-08	2.05E-12	5.19E-15	2.11E-07	4.77E-11
phe.Fasting_rs182965141S8	DIAPH1	rs79781495	S8	KPNA3	6.69E-16	2.73E-08	2.05E-12	4.80E-15	1.95E-07	4.44E-11
phe.Fasting_rs182965141S8	DIAPH1	rs80332465	S5	KPNA3	7.09E-16	2.89E-08	2.17E-12	5.17E-15	2.10E-07	4.75E-11
phe.Fasting_rs182965141S8	DIAPH1	rs80334773	S5	KPNA3	7.09E-16	2.89E-08	2.17E-12	5.17E-15	2.10E-07	4.75E-11
phe.Fasting_rs183597049S7	DIAPH1	rs115787552S5		KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs183597049S7	DIAPH1	rs115888477S8		NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs183597049S7	DIAPH1	rs116011837S9		BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs183597049S7	DIAPH1	rs116079984S8		KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs183597049S7	DIAPH1	rs116120727S9		BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10

phe.Fasting_rs183597049S7	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs183597049S7	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs183597049S7	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs183597049S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs183597049S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs183597049S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs183597049S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs183597049S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs183597049S7	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs183597049S7	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs183597049S7	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs183597049S7	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs183597049S7	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs183597049S7	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs183597049S7	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs183597049S7	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs183597049S7	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs183980988S2	NA	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs183980988S2	NA	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs183980988S2	NA	rs116011837S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs183980988S2	NA	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs183980988S2	NA	rs116120727S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs183980988S2	NA	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs183980988S2	NA	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs183980988S2	NA	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs183980988S2	NA	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs183980988S2	NA	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs183980988S2	NA	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs183980988S2	NA	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs183980988S2	NA	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs183980988S2	NA	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs183980988S2	NA	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs183980988S2	NA	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs183980988S2	NA	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs183980988S2	NA	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs183980988S2	NA	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs183980988S2	NA	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs183980988S2	NA	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs183980988S2	NA	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs184233232S7	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10

phe.Fasting_	rs184233232	S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs184233232	S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs184233232	S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs184233232	S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs184233232	S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs184233232	S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs184233232	S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs184233232	S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs184233232	S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs184233232	S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs184233232	S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs184233232	S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs184233232	S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs184233232	S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs184233232	S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs184233232	S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs184233232	S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs184233232	S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs184233232	S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs184233232	S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs184233232	S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs184509477	S13	"PCDHGB4,	Pirs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10

phe.Fasting_rs184509477 S13	"PCDHGB4,Prs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs184509477 S13	"PCDHGB4,Prs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs184509477 S13	"PCDHGB4,Prs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs185069296 S15	"LOC100505(rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs185069296 S15	"LOC100505(rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs185069296 S15	"LOC100505(rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs185069296 S15	"LOC100505(rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs185069296 S15	"LOC100505(rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs185069296 S15	"LOC100505(rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs185069296 S15	"LOC100505(rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs185069296 S15	"LOC100505(rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs185502834 S8	DIAPH1 rs112089881 S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_rs185502834 S8	DIAPH1 rs115787552 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs185502834 S8	DIAPH1 rs115888477 S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs185502834 S8	DIAPH1 rs116011837 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs185502834 S8	DIAPH1 rs116079984 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs185502834 S8	DIAPH1 rs116120727 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs185502834 S8	DIAPH1 rs116548615 S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs185502834 S8	DIAPH1 rs146815317 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs185502834 S8	DIAPH1 rs150117838 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs185502834 S8	DIAPH1 rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs185502834 S8	DIAPH1 rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs185502834 S8	DIAPH1 rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs185502834 S8	DIAPH1 rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs185502834 S8	DIAPH1 rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_rs185502834 S8	DIAPH1 rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08



phe.Fasting_	rs185502834	S8	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09	
phe.Fasting_	rs185502834	S8	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10	
phe.Fasting_	rs185502834	S8	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07	
phe.Fasting_	rs185502834	S8	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10	
phe.Fasting_	rs185502834	S8	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10	
phe.Fasting_	rs185502834	S8	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10	
phe.Fasting_	rs185502834	S8	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08	
phe.Fasting_	rs185759881	S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08	
phe.Fasting_	rs185759881	S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07	
phe.Fasting_	rs185759881	S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07	
phe.Fasting_	rs185759881	S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07	
phe.Fasting_	rs185759881	S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07	
phe.Fasting_	rs185759881	S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08	
phe.Fasting_	rs185759881	S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07	
phe.Fasting_	rs185759881	S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs185759881	S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs186288044	S21	"PCDHGB4,	P	rs115787552	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs186288044	S21	"PCDHGB4,	P	rs115888477	S8	NA	2.72E-15	1.11E-07	7.62E-12	7.36E-15	3.00E-07	6.53E-11
phe.Fasting_	rs186288044	S21	"PCDHGB4,	P	rs116079984	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.48E-14	1.82E-06	3.11E-10
phe.Fasting_	rs186288044	S21	"PCDHGB4,	P	rs116548615	S8	TMEM45B	2.04E-17	8.34E-10	1.43E-13	7.86E-12	0.000320069	2.98E-08
phe.Fasting_	rs186288044	S21	"PCDHGB4,	P	rs146815317	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs186288044	S21	"PCDHGB4,	P	rs150117838	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs186288044	S21	"PCDHGB4,	P	rs77798597	S7	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs186288044	S21	"PCDHGB4,	P	rs78736524	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs186288044	S21	"PCDHGB4,	P	rs79781495	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs186288044	S21	"PCDHGB4,	P	rs80332465	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs186288044	S21	"PCDHGB4,	P	rs80334773	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10

phe.Fasting_	rs187000011	S11	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs187000011	S11	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs187000011	S11	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs187000011	S11	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs187000011	S11	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs187000011	S11	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs187000011	S11	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs187000011	S11	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs187000011	S11	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs187000011	S11	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs188981295	S5	"RPS27AP10,	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07

phe.Fasting_rs188981295 S5	"RPS27AP10,rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs188981295 S5	"RPS27AP10,rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs188981295 S5	"RPS27AP10,rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs188981295 S5	"RPS27AP10,rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs190559574 S7	DIAPH1 rs112089881 S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_rs190559574 S7	DIAPH1 rs115787552 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs190559574 S7	DIAPH1 rs115888477 S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs190559574 S7	DIAPH1 rs116011837 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs190559574 S7	DIAPH1 rs116079984 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs190559574 S7	DIAPH1 rs116120727 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs190559574 S7	DIAPH1 rs116548615 S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs190559574 S7	DIAPH1 rs146815317 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs190559574 S7	DIAPH1 rs150117838 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs190559574 S7	DIAPH1 rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs190559574 S7	DIAPH1 rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs190559574 S7	DIAPH1 rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs190559574 S7	DIAPH1 rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs190559574 S7	DIAPH1 rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_rs190559574 S7	DIAPH1 rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_rs190559574 S7	DIAPH1 rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs190559574 S7	DIAPH1 rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs190559574 S7	DIAPH1 rs78697063 S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_rs190559574 S7	DIAPH1 rs78736524 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs190559574 S7	DIAPH1 rs79781495 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs190559574 S7	DIAPH1 rs80332465 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs190559574 S7	DIAPH1 rs80334773 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs191544043 S8	DIAPH1 rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs191544043 S8	DIAPH1 rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs191544043 S8	DIAPH1 rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs191544043 S8	DIAPH1 rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs191544043 S8	DIAPH1 rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs191544043 S8	DIAPH1 rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs191544043 S8	DIAPH1 rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs191544043 S8	DIAPH1 rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs191544043 S8	DIAPH1 rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs191544043 S8	DIAPH1 rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs191544043 S8	DIAPH1 rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs191544043 S8	DIAPH1 rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs191544043 S8	DIAPH1 rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs191544043 S8	DIAPH1 rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07

phe.Fasting_rs191544043 S8	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs191544043 S8	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs191544043 S8	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs191544043 S8	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs191544043 S8	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs191544043 S8	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs191544043 S8	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs191544043 S8	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs191766712 S7	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs191766712 S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs191766712 S7	DIAPH1	rs736169637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs191766712 S7	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs191766712 S7	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs191766712 S7	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs191766712 S7	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs191766712 S7	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs192690040 S7	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192690040 S7	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs192690040 S7	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs192690040 S7	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs192690040 S7	DIAPH1	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs192690040 S7	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs192690040 S7	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192690040 S7	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192690040 S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs192690040 S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10

phe.Fasting_rs192690040S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs192690040S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs192690040S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs192690040S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs192690040S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs192690040S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs192690040S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192690040S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs192690040S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192690040S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192690040S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs192690040S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs192765219S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192765219S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs192765219S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs192765219S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs192765219S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs192765219S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs192765219S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192765219S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192765219S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs192765219S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs192765219S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs192765219S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs192765219S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs192765219S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs192765219S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs192765219S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs192765219S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192765219S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs192765219S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192765219S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192765219S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs192765219S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs192770525S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192770525S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs192770525S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs192770525S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs192770525S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs192770525S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08

phe.Fasting_rs192770525 S7	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs192770525 S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs192770525 S7	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs2241292 S8	GPR160	rs116011837 S9	BRD2	2.78E-13	1.13E-05	5.98E-10	2.39E-11	0.000974774	8.32E-08
phe.Fasting_rs2241292 S8	GPR160	rs116120727 S9	BRD2	2.78E-13	1.13E-05	5.98E-10	2.39E-11	0.000974774	8.32E-08
phe.Fasting_rs2241292 S8	GPR160	rs141926074 S8	ATE1	1.29E-19	5.27E-12	2.23E-14	1.52E-11	0.000620605	5.49E-08
phe.Fasting_rs2924507 S5	ZC3H3	rs139070959 S8	RPN2	1.38E-18	5.64E-11	3.38E-14	5.20E-15	2.12E-07	4.77E-11
phe.Fasting_rs2924507 S5	ZC3H3	rs145412529 S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	6.02E-15	2.45E-07	5.46E-11
phe.Fasting_rs2924508 S8	ZC3H3	rs139070959 S8	RPN2	1.38E-18	5.64E-11	3.38E-14	6.31E-15	2.57E-07	5.71E-11
phe.Fasting_rs2924508 S8	ZC3H3	rs145412529 S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	7.32E-15	2.98E-07	6.50E-11
phe.Fasting_rs2924511 S7	ZC3H3	rs139070959 S8	RPN2	1.38E-18	5.64E-11	3.38E-14	5.09E-15	2.07E-07	4.69E-11
phe.Fasting_rs2924511 S7	ZC3H3	rs145412529 S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	5.88E-15	2.40E-07	5.36E-11
phe.Fasting_rs2924512 S7	ZC3H3	rs139070959 S8	RPN2	1.57E-18	6.41E-11	3.60E-14	5.52E-15	2.25E-07	5.04E-11
phe.Fasting_rs2924512 S7	ZC3H3	rs145412529 S8	"RBL1,RPS3A	8.77E-19	3.58E-11	2.75E-14	6.40E-15	2.61E-07	5.79E-11
phe.Fasting_rs2956376 S8	ZC3H3	rs139070959 S8	RPN2	1.38E-18	5.64E-11	3.38E-14	4.19E-15	1.70E-07	3.90E-11
phe.Fasting_rs2956376 S8	ZC3H3	rs145412529 S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	4.82E-15	1.96E-07	4.46E-11
phe.Fasting_rs2980270 S7	ZC3H3	rs139070959 S8	RPN2	1.38E-18	5.64E-11	3.38E-14	4.19E-15	1.70E-07	3.90E-11
phe.Fasting_rs2980270 S7	ZC3H3	rs145412529 S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	4.82E-15	1.96E-07	4.46E-11
phe.Fasting_rs2980272 S7	ZC3H3	rs139070959 S8	RPN2	1.57E-18	6.41E-11	3.60E-14	5.95E-15	2.42E-07	5.41E-11
phe.Fasting_rs2980272 S7	ZC3H3	rs145412529 S8	"RBL1,RPS3A	8.77E-19	3.58E-11	2.75E-14	6.86E-15	2.79E-07	6.13E-11
phe.Fasting_rs2980275 S5	ZC3H3	rs139070959 S8	RPN2	1.38E-18	5.64E-11	3.38E-14	5.20E-15	2.12E-07	4.77E-11
phe.Fasting_rs2980275 S5	ZC3H3	rs145412529 S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	6.02E-15	2.45E-07	5.46E-11
phe.Fasting_rs35990401 S7	DIAPH1	rs115787552 S5	KPNA3	2.33E-15	9.53E-08	6.57E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs35990401 S7	DIAPH1	rs115888477 S8	NA	1.61E-14	6.59E-07	4.05E-11	7.57E-15	3.08E-07	6.71E-11
phe.Fasting_rs35990401 S7	DIAPH1	rs116011837 S9	BRD2	4.39E-11	0.00179411	6.00E-08	1.51E-14	6.13E-07	1.27E-10
phe.Fasting_rs35990401 S7	DIAPH1	rs116079984 S8	KPNA3	2.33E-15	9.53E-08	6.57E-12	4.41E-14	1.80E-06	3.07E-10
phe.Fasting_rs35990401 S7	DIAPH1	rs116120727 S9	BRD2	4.39E-11	0.00179411	6.00E-08	1.51E-14	6.13E-07	1.27E-10

phe.Fasting_rs35990401	S7	DIAPH1	rs116548615	S8	TMEM45B	1.34E-16	5.49E-09	5.35E-13	4.86E-12	0.000197863	1.92E-08
phe.Fasting_rs35990401	S7	DIAPH1	rs146815317	S5	KPNA3	2.33E-15	9.53E-08	6.57E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs150117838	S8	KPNA3	2.33E-15	9.53E-08	6.57E-12	3.88E-14	1.58E-06	2.77E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.95E-11	0.000797308	2.91E-08	1.21E-14	4.92E-07	1.04E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs57503635	S3	NA	5.14E-16	2.10E-08	1.62E-12	1.17E-14	4.77E-07	1.01E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs7256517	S7	CYTH2	7.66E-16	3.13E-08	2.33E-12	1.66E-12	6.75E-05	7.38E-09
phe.Fasting_rs35990401	S7	DIAPH1	rs73392640	S8	POLR3B	2.09E-10	0.00851672	2.57E-07	1.81E-11	0.000735868	6.45E-08
phe.Fasting_rs35990401	S7	DIAPH1	rs74914207	S24	NA	1.27E-10	0.00520584	1.62E-07	3.83E-11	0.00156001	1.27E-07
phe.Fasting_rs35990401	S7	DIAPH1	rs75758702	S24	NA	5.25E-17	2.14E-09	2.57E-13	4.83E-11	0.00196695	1.56E-07
phe.Fasting_rs35990401	S7	DIAPH1	rs7763107	S8	FARS2	4.27E-16	1.75E-08	1.38E-12	2.93E-12	0.000119347	1.25E-08
phe.Fasting_rs35990401	S7	DIAPH1	rs77798597	S7	KPNA3	2.33E-15	9.53E-08	6.57E-12	3.88E-14	1.58E-06	2.77E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs78516788	S8	SLC38A1	2.51E-11	0.0010242	3.64E-08	9.15E-11	0.0037246	2.81E-07
phe.Fasting_rs35990401	S7	DIAPH1	rs78697063	S5	MSI2	5.33E-19	2.17E-11	2.49E-14	2.11E-10	0.00860784	5.94E-07
phe.Fasting_rs35990401	S7	DIAPH1	rs78736524	S5	KPNA3	2.33E-15	9.53E-08	6.57E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs79781495	S8	KPNA3	2.33E-15	9.53E-08	6.57E-12	3.88E-14	1.58E-06	2.77E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs80332465	S5	KPNA3	2.46E-15	1.01E-07	6.92E-12	4.18E-14	1.70E-06	2.93E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs80334773	S5	KPNA3	2.46E-15	1.01E-07	6.92E-12	4.18E-14	1.70E-06	2.93E-10
phe.Fasting_rs366767	S5	ZC3H3	rs139070959	S8	RPN2	1.79E-18	7.31E-11	3.84E-14	4.54E-15	1.85E-07	4.22E-11
phe.Fasting_rs366767	S5	ZC3H3	rs145412529	S8	"RBL1,RPS3A	9.93E-19	4.06E-11	2.92E-14	5.18E-15	2.11E-07	4.77E-11
phe.Fasting_rs3772186	S6	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs3772186	S6	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs3772186	S6	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs55741453	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs55741453	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs55741453	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs55741453	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs55741453	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs55741453	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs55765964	S8	NEK1	rs113357907	S24	ISL1	6.21E-18	2.54E-10	7.56E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs55765964	S8	NEK1	rs6881310	S23	ISL1	4.39E-17	1.79E-09	2.29E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs55765964	S8	NEK1	rs77444916	S23	LOC642366	1.55E-17	6.32E-10	1.20E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs55765964	S8	NEK1	rs80258830	S24	LOC642366	1.55E-17	6.32E-10	1.20E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_rs55900860	S7	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs116120727	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs55900860	S7	DIAPH1	rs146815317	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10

phe.Fasting_rs55900860	S7	DIAPH1	rs150117838	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs55900860	S7	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs55900860	S7	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_rs55900860	S7	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_rs55900860	S7	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs55900860	S7	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_rs55900860	S7	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs57165556	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs57165556	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs57165556	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs57165556	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs57165556	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs57165556	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs57287019	S5	CLCN3	rs113357907	S24	ISL1	5.36E-17	2.19E-09	2.62E-13	4.72E-13	1.92E-05	2.49E-09
phe.Fasting_rs57287019	S5	CLCN3	rs6881310	S23	ISL1	3.54E-16	1.45E-08	1.16E-12	5.77E-11	0.00234866	1.84E-07
phe.Fasting_rs57287019	S5	CLCN3	rs77444916	S23	LOC642366	1.19E-16	4.86E-09	4.89E-13	4.41E-13	1.80E-05	2.36E-09
phe.Fasting_rs57287019	S5	CLCN3	rs80258830	S24	LOC642366	1.19E-16	4.86E-09	4.89E-13	4.41E-13	1.80E-05	2.36E-09
phe.Fasting_rs57503635	S3	NA	rs139070959	S8	RPN2	5.04E-17	2.06E-09	2.48E-13	1.75E-10	0.00714015	5.04E-07
phe.Fasting_rs57503635	S3	NA	rs145412529	S8	"RBL1,RPS3A	2.98E-17	1.22E-09	1.70E-13	1.96E-10	0.00797955	5.58E-07
phe.Fasting_rs58286737	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	4.03E-16	1.64E-08	1.16E-11
phe.Fasting_rs58286737	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs58286737	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs58286737	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	8.72E-13	3.55E-05	4.15E-09
phe.Fasting_rs58286737	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_rs58286737	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_rs58417766	S7	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs58417766	S7	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs58417766	S7	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs60011869	S16	NA	rs139070959	S8	RPN2	6.07E-18	2.48E-10	7.49E-14	5.74E-11	0.00233779	1.84E-07
phe.Fasting_rs60011869	S16	NA	rs145412529	S8	"RBL1,RPS3A	3.45E-18	1.41E-10	5.60E-14	6.57E-11	0.00267324	2.08E-07
phe.Fasting_rs60011869	S16	NA	rs57503635	S3	NA	7.45E-17	3.04E-09	3.33E-13	5.95E-13	2.42E-05	2.94E-09
phe.Fasting_rs61267727	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	4.03E-16	1.64E-08	1.16E-11
phe.Fasting_rs61267727	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07



phe.Fasting_rs61267727	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs61267727	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	8.72E-13	3.55E-05	4.15E-09
phe.Fasting_rs61267727	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_rs61267727	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_rs61613048	S8	MYO1B	rs113357907	S24	ISL1	1.17E-16	4.79E-09	4.85E-13	9.36E-15	3.81E-07	8.15E-11
phe.Fasting_rs61613048	S8	MYO1B	rs13400525	S8	MFF	1.94E-15	7.94E-08	5.54E-12	1.22E-10	0.00498048	3.70E-07
phe.Fasting_rs61613048	S8	MYO1B	rs141926074	S8	ATE1	1.72E-17	7.03E-10	1.28E-13	8.15E-12	0.000331646	3.07E-08
phe.Fasting_rs61613048	S8	MYO1B	rs6881310	S23	ISL1	7.38E-16	3.01E-08	2.25E-12	3.70E-12	0.000150673	1.54E-08
phe.Fasting_rs61613048	S8	MYO1B	rs73619637	S8	NA	1.26E-15	5.15E-08	3.67E-12	1.42E-15	5.78E-08	1.60E-11
phe.Fasting_rs61613048	S8	MYO1B	rs75758702	S24	NA	1.04E-16	4.26E-09	4.42E-13	7.87E-12	0.000320329	2.98E-08
phe.Fasting_rs61613048	S8	MYO1B	rs77444916	S23	LOC642366	2.55E-16	1.04E-08	8.62E-13	8.90E-15	3.62E-07	7.81E-11
phe.Fasting_rs61613048	S8	MYO1B	rs80258830	S24	LOC642366	2.55E-16	1.04E-08	8.62E-13	8.90E-15	3.62E-07	7.81E-11
phe.Fasting_rs6553443	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs6553443	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs6553443	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs6553443	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs6553443	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs6553443	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs6763396	S5	PHC3	rs116011837	S9	BRD2	2.95E-13	1.21E-05	6.34E-10	2.12E-11	0.000864406	7.47E-08
phe.Fasting_rs6763396	S5	PHC3	rs116120727	S9	BRD2	2.95E-13	1.21E-05	6.34E-10	2.12E-11	0.000864406	7.47E-08
phe.Fasting_rs6763396	S5	PHC3	rs141926074	S8	ATE1	1.28E-19	5.21E-12	2.23E-14	1.38E-11	0.000562151	5.01E-08
phe.Fasting_rs6781454	S8	PHC3	rs116011837	S9	BRD2	2.77E-13	1.13E-05	5.95E-10	2.10E-11	0.000853749	7.39E-08
phe.Fasting_rs6781454	S8	PHC3	rs116120727	S9	BRD2	2.77E-13	1.13E-05	5.95E-10	2.10E-11	0.000853749	7.39E-08
phe.Fasting_rs6781454	S8	PHC3	rs141926074	S8	ATE1	1.26E-19	5.15E-12	2.23E-14	1.36E-11	0.00055511	4.95E-08
phe.Fasting_rs6786022	S8	PHC3	rs116011837	S9	BRD2	4.93E-13	2.01E-05	1.04E-09	2.60E-11	0.0010602	8.99E-08
phe.Fasting_rs6786022	S8	PHC3	rs116120727	S9	BRD2	4.93E-13	2.01E-05	1.04E-09	2.60E-11	0.0010602	8.99E-08
phe.Fasting_rs6808506	S7	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs6808506	S7	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs6808506	S7	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs6822970	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs6822970	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs6822970	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs6822970	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs6822970	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs6822970	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs6822970	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	4.03E-16	1.64E-08	1.16E-11
phe.Fasting_rs6829220	S20	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs6829220	S20	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs6829220	S20	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	8.72E-13	3.55E-05	4.15E-09
phe.Fasting_rs6829220	S20	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11

phe.Fasting_rs6829220	S20	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_rs6881310	S23	ISL1	rs111576333	S5	TMEM64	1.08E-16	4.40E-09	4.54E-13	2.77E-12	0.000112791	1.18E-08
phe.Fasting_rs6881310	S23	ISL1	rs112091318	S5	TMEM64	3.20E-17	1.31E-09	1.80E-13	3.90E-12	0.000158821	1.61E-08
phe.Fasting_rs6881310	S23	ISL1	rs114565620	S8	RCL1	7.36E-17	3.01E-09	3.30E-13	5.29E-16	2.16E-08	1.16E-11
phe.Fasting_rs6881310	S23	ISL1	rs115787552	S5	KPNA3	7.90E-16	3.23E-08	2.39E-12	5.45E-11	0.00221813	1.75E-07
phe.Fasting_rs6881310	S23	ISL1	rs115888477	S8	NA	5.37E-15	2.19E-07	1.40E-11	7.87E-12	0.000320516	2.98E-08
phe.Fasting_rs6881310	S23	ISL1	rs116011837	S9	BRD2	6.72E-17	2.74E-09	3.07E-13	2.73E-12	0.000111142	1.17E-08
phe.Fasting_rs6881310	S23	ISL1	rs116079984	S8	KPNA3	7.90E-16	3.23E-08	2.39E-12	6.53E-11	0.00265964	2.06E-07
phe.Fasting_rs6881310	S23	ISL1	rs116120727	S9	BRD2	6.72E-17	2.74E-09	3.07E-13	2.73E-12	0.000111142	1.17E-08
phe.Fasting_rs6881310	S23	ISL1	rs11989304	S4	TMEM64	1.08E-16	4.40E-09	4.54E-13	2.68E-12	0.000109081	1.15E-08
phe.Fasting_rs6881310	S23	ISL1	rs141926074	S8	ATE1	1.62E-17	6.61E-10	1.24E-13	9.17E-15	3.73E-07	8.00E-11
phe.Fasting_rs6881310	S23	ISL1	rs146815317	S5	KPNA3	7.90E-16	3.23E-08	2.39E-12	5.45E-11	0.00221813	1.75E-07
phe.Fasting_rs6881310	S23	ISL1	rs150117838	S8	KPNA3	7.90E-16	3.23E-08	2.39E-12	5.14E-11	0.00209292	1.66E-07
phe.Fasting_rs6881310	S23	ISL1	rs57503635	S3	NA	1.73E-12	7.08E-05	3.32E-09	7.11E-11	0.00289423	2.23E-07
phe.Fasting_rs6881310	S23	ISL1	rs73283603	S7	ZWINT	2.97E-16	1.21E-08	9.90E-13	5.59E-16	2.27E-08	1.16E-11
phe.Fasting_rs6881310	S23	ISL1	rs75350765	S5	RCL1	7.36E-17	3.01E-09	3.30E-13	5.29E-16	2.16E-08	1.16E-11
phe.Fasting_rs6881310	S23	ISL1	rs75758702	S24	NA	1.62E-17	6.61E-10	1.24E-13	1.39E-17	5.67E-10	2.12E-12
phe.Fasting_rs6881310	S23	ISL1	rs75949566	S5	TMEM64	1.11E-16	4.52E-09	4.65E-13	4.23E-12	0.000172242	1.70E-08
phe.Fasting_rs6881310	S23	ISL1	rs77798597	S7	KPNA3	7.90E-16	3.23E-08	2.39E-12	5.14E-11	0.00209292	1.66E-07
phe.Fasting_rs6881310	S23	ISL1	rs77845645	S21	NA	5.07E-13	2.07E-05	1.07E-09	1.13E-15	4.59E-08	1.30E-11
phe.Fasting_rs6881310	S23	ISL1	rs78697063	S5	MSI2	1.75E-19	7.13E-12	2.40E-14	5.76E-12	0.000234647	2.25E-08
phe.Fasting_rs6881310	S23	ISL1	rs78736524	S5	KPNA3	7.90E-16	3.23E-08	2.39E-12	5.45E-11	0.00221813	1.75E-07
phe.Fasting_rs6881310	S23	ISL1	rs78990344	S2	LOC1005063	1.08E-16	4.40E-09	4.54E-13	2.68E-12	0.000109081	1.15E-08
phe.Fasting_rs6881310	S23	ISL1	rs79781495	S8	KPNA3	7.90E-16	3.23E-08	2.39E-12	5.14E-11	0.00209292	1.66E-07
phe.Fasting_rs6881310	S23	ISL1	rs80332465	S5	KPNA3	8.53E-16	3.48E-08	2.55E-12	5.35E-11	0.00217737	1.72E-07
phe.Fasting_rs6881310	S23	ISL1	rs80334773	S5	KPNA3	8.53E-16	3.48E-08	2.55E-12	5.35E-11	0.00217737	1.72E-07
phe.Fasting_rs7004597	S8	NA	rs73619637	S8	NA	3.31E-14	1.35E-06	8.02E-11	3.71E-11	0.00151073	1.23E-07
phe.Fasting_rs717886	S8	NA	rs141692339	S3	"PCDHGA6,PI	3.74E-15	1.53E-07	1.00E-11	7.70E-12	0.000313295	2.92E-08
phe.Fasting_rs717886	S8	NA	rs150992994	S11	"PCDHGA5,PI	3.75E-14	1.53E-06	9.03E-11	1.81E-11	0.000737294	6.46E-08
phe.Fasting_rs718215	S8	NA	rs141692339	S3	"PCDHGA6,PI	4.01E-15	1.64E-07	1.06E-11	7.80E-12	0.000317304	2.96E-08
phe.Fasting_rs718215	S8	NA	rs150992994	S11	"PCDHGA5,PI	4.01E-14	1.64E-06	9.63E-11	1.84E-11	0.000747904	6.55E-08
phe.Fasting_rs718215	S8	NA	rs60011869	S16	NA	9.46E-12	0.000386498	1.52E-08	1.16E-13	4.71E-06	7.06E-10
phe.Fasting_rs73058677	S5	MYO1B	rs113357907	S24	ISL1	9.16E-17	3.74E-09	3.95E-13	7.23E-15	2.94E-07	6.43E-11
phe.Fasting_rs73058677	S5	MYO1B	rs13400525	S8	MFF	1.15E-15	4.69E-08	3.37E-12	7.83E-11	0.00318582	2.44E-07
phe.Fasting_rs73058677	S5	MYO1B	rs141926074	S8	ATE1	1.60E-17	6.51E-10	1.22E-13	6.10E-12	0.000248306	2.36E-08
phe.Fasting_rs73058677	S5	MYO1B	rs6881310	S23	ISL1	5.93E-16	2.42E-08	1.84E-12	2.67E-12	0.000108628	1.14E-08
phe.Fasting_rs73058677	S5	MYO1B	rs75758702	S24	NA	7.83E-17	3.20E-09	3.47E-13	5.38E-12	0.000218866	2.11E-08
phe.Fasting_rs73058677	S5	MYO1B	rs77444916	S23	LOC642366	2.06E-16	8.39E-09	7.10E-13	6.87E-15	2.80E-07	6.14E-11
phe.Fasting_rs73058677	S5	MYO1B	rs80258830	S24	LOC642366	2.06E-16	8.39E-09	7.10E-13	6.87E-15	2.80E-07	6.14E-11
phe.Fasting_rs73392640	S8	POLR3B	rs115305957	S23	NA	2.53E-16	1.03E-08	8.58E-13	3.40E-24	1.39E-16	4.62E-17

phe.Fasting_rs73392640	S8	POLR3B	rs74701059	S24	C17orf102	2.57E-16	1.05E-08	8.69E-13	6.55E-24	2.67E-16	6.66E-17
phe.Fasting_rs73392640	S8	POLR3B	rs79703349	S24	C17orf102	2.57E-16	1.05E-08	8.69E-13	9.28E-24	3.78E-16	7.56E-17
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs78697063	S5	MSI2	1.35E-19	5.51E-12	2.29E-14	8.58E-11	0.00349174	2.65E-07
phe.Fasting_rs73864708	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs73864708	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs73864708	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs73864708	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs73864708	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs73864708	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs73864714	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs73864714	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs73864714	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs73864714	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs73864714	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs73864714	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs73864724	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	8.90E-16	3.62E-08	1.16E-11
phe.Fasting_rs73864724	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.23E-10	0.00906089	6.23E-07
phe.Fasting_rs73864724	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.23E-10	0.00906089	6.23E-07
phe.Fasting_rs73864724	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.33E-12	9.47E-05	1.00E-08
phe.Fasting_rs73864724	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.34E-16	3.40E-08	1.16E-11
phe.Fasting_rs73864724	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.34E-16	3.40E-08	1.16E-11
phe.Fasting_rs73864726	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	1.27E-15	5.16E-08	1.44E-11
phe.Fasting_rs73864726	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	3.40E-12	0.000138444	1.43E-08
phe.Fasting_rs73864726	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs73864726	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs73864731	S5	NEK1	rs113357907	S24	ISL1	1.21E-17	4.92E-10	1.05E-13	1.27E-15	5.16E-08	1.44E-11
phe.Fasting_rs73864731	S5	NEK1	rs6881310	S23	ISL1	8.19E-17	3.35E-09	3.59E-13	3.40E-12	0.000138444	1.43E-08
phe.Fasting_rs73864731	S5	NEK1	rs77444916	S23	LOC642366	2.90E-17	1.18E-09	1.66E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs73864731	S5	NEK1	rs80258830	S24	LOC642366	2.90E-17	1.18E-09	1.66E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs73864732	S8	NEK1	rs113357907	S24	ISL1	1.35E-17	5.51E-10	1.11E-13	1.21E-15	4.92E-08	1.38E-11
phe.Fasting_rs73864732	S8	NEK1	rs116011837	S9	BRD2	5.27E-17	2.15E-09	2.57E-13	1.69E-10	0.00686251	4.88E-07
phe.Fasting_rs73864732	S8	NEK1	rs116120727	S9	BRD2	5.27E-17	2.15E-09	2.57E-13	1.69E-10	0.00686251	4.88E-07
phe.Fasting_rs73864732	S8	NEK1	rs6881310	S23	ISL1	9.11E-17	3.72E-09	3.94E-13	3.29E-12	0.000134008	1.39E-08
phe.Fasting_rs73864732	S8	NEK1	rs77444916	S23	LOC642366	3.24E-17	1.32E-09	1.81E-13	1.13E-15	4.62E-08	1.30E-11
phe.Fasting_rs73864732	S8	NEK1	rs80258830	S24	LOC642366	3.24E-17	1.32E-09	1.81E-13	1.13E-15	4.62E-08	1.30E-11
phe.Fasting_rs73864740	S2	NA	rs113357907	S24	ISL1	1.30E-17	5.33E-10	1.09E-13	1.21E-15	4.92E-08	1.38E-11
phe.Fasting_rs73864740	S2	NA	rs116011837	S9	BRD2	5.05E-17	2.06E-09	2.49E-13	1.69E-10	0.00686251	4.88E-07
phe.Fasting_rs73864740	S2	NA	rs116120727	S9	BRD2	5.05E-17	2.06E-09	2.49E-13	1.69E-10	0.00686251	4.88E-07
phe.Fasting_rs73864740	S2	NA	rs6881310	S23	ISL1	8.85E-17	3.61E-09	3.83E-13	3.29E-12	0.000134008	1.39E-08
phe.Fasting_rs73864740	S2	NA	rs77444916	S23	LOC642366	3.15E-17	1.29E-09	1.77E-13	1.13E-15	4.62E-08	1.30E-11

phe.Fasting_rs73864740	S2	NA	rs80258830	S24	LOC642366	3.15E-17	1.29E-09	1.77E-13	1.13E-15	4.62E-08	1.30E-11
phe.Fasting_rs73864759	S8	CLCN3	rs113357907	S24	ISL1	3.21E-18	1.31E-10	5.44E-14	6.03E-16	2.45E-08	1.16E-11
phe.Fasting_rs73864759	S8	CLCN3	rs116011837	S9	BRD2	1.28E-17	5.24E-10	1.08E-13	1.59E-10	0.00649019	4.65E-07
phe.Fasting_rs73864759	S8	CLCN3	rs116120727	S9	BRD2	1.28E-17	5.24E-10	1.08E-13	1.59E-10	0.00649019	4.65E-07
phe.Fasting_rs73864759	S8	CLCN3	rs6881310	S23	ISL1	2.32E-17	9.49E-10	1.47E-13	1.40E-12	5.72E-05	6.34E-09
phe.Fasting_rs73864759	S8	CLCN3	rs77444916	S23	LOC642366	8.01E-18	3.27E-10	8.58E-14	5.65E-16	2.30E-08	1.16E-11
phe.Fasting_rs73864759	S8	CLCN3	rs80258830	S24	LOC642366	8.01E-18	3.27E-10	8.58E-14	5.65E-16	2.30E-08	1.16E-11
phe.Fasting_rs73879173	S8	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs73879173	S8	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs73879173	S8	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs73879178	S10	PHC3	rs116011837	S9	BRD2	4.93E-13	2.01E-05	1.04E-09	2.60E-11	0.0010602	8.99E-08
phe.Fasting_rs73879178	S10	PHC3	rs116120727	S9	BRD2	4.93E-13	2.01E-05	1.04E-09	2.60E-11	0.0010602	8.99E-08
phe.Fasting_rs73879182	S6	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs73879182	S6	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs73879182	S6	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs74986829	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	1.27E-15	5.16E-08	1.44E-11
phe.Fasting_rs74986829	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	3.40E-12	0.000138444	1.43E-08
phe.Fasting_rs74986829	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs74986829	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs75350765	S5	RCL1	rs115083290	S19	NA	2.89E-17	1.18E-09	1.66E-13	3.20E-14	1.30E-06	2.35E-10
phe.Fasting_rs75350765	S5	RCL1	rs115752779	S19	NA	2.89E-17	1.18E-09	1.66E-13	3.20E-14	1.30E-06	2.35E-10
phe.Fasting_rs75350765	S5	RCL1	rs139070959	S8	RPN2	5.03E-18	2.06E-10	6.86E-14	9.04E-15	3.68E-07	7.90E-11
phe.Fasting_rs75350765	S5	RCL1	rs145412529	S8	"RBL1,RPS3A	2.94E-18	1.20E-10	5.06E-14	1.03E-14	4.19E-07	8.92E-11
phe.Fasting_rs75350765	S5	RCL1	rs57503635	S3	NA	4.19E-17	1.71E-09	2.22E-13	1.28E-21	5.23E-14	4.02E-15
phe.Fasting_rs75350765	S5	RCL1	rs73619637	S8	NA	5.38E-17	2.20E-09	2.63E-13	4.57E-11	0.00185897	1.49E-07
phe.Fasting_rs75374128	S5	CNTLN	rs139070959	S8	RPN2	1.05E-17	4.28E-10	9.93E-14	3.36E-12	0.000136888	1.42E-08
phe.Fasting_rs75758702	S24	NA	rs73619637	S8	NA	4.24E-17	1.73E-09	2.22E-13	2.23E-19	9.08E-12	3.49E-13
phe.Fasting_rs75864203	S8	CNTLN	rs139070959	S8	RPN2	1.05E-17	4.28E-10	9.93E-14	3.36E-12	0.000136888	1.42E-08
phe.Fasting_rs75949566	S5	TMEM64	rs73283603	S7	ZWINT	3.41E-16	1.39E-08	1.13E-12	9.14E-11	0.00371982	2.80E-07
phe.Fasting_rs76146702	S5	PHC3	rs116011837	S9	BRD2	3.20E-13	1.31E-05	6.85E-10	1.54E-11	0.00062499	5.53E-08
phe.Fasting_rs76146702	S5	PHC3	rs116120727	S9	BRD2	3.20E-13	1.31E-05	6.85E-10	1.54E-11	0.00062499	5.53E-08
phe.Fasting_rs76146702	S5	PHC3	rs116548615	S8	TMEM45B	1.72E-18	7.00E-11	3.71E-14	2.09E-10	0.00851021	5.89E-07
phe.Fasting_rs76146702	S5	PHC3	rs141926074	S8	ATE1	1.66E-19	6.78E-12	2.40E-14	8.65E-11	0.00352252	2.67E-07
phe.Fasting_rs7615039	S8	PHC3	rs116011837	S9	BRD2	2.39E-13	9.74E-06	5.15E-10	3.34E-11	0.00135925	1.12E-07
phe.Fasting_rs7615039	S8	PHC3	rs116120727	S9	BRD2	2.39E-13	9.74E-06	5.15E-10	3.34E-11	0.00135925	1.12E-07
phe.Fasting_rs7615039	S8	PHC3	rs141926074	S8	ATE1	1.10E-19	4.51E-12	2.23E-14	2.10E-11	0.000854079	7.39E-08
phe.Fasting_rs7638400	S7	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs7638400	S7	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs7638400	S7	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs76542405	S5	SPTLC1	rs12581352	S2	NA	7.63E-18	3.12E-10	8.49E-14	2.07E-13	8.42E-06	1.15E-09

phe.Fasting_rs7657672	S8	CLCN3	rs113357907	S24	ISL1	5.58E-17	2.28E-09	2.68E-13	5.69E-13	2.32E-05	2.82E-09
phe.Fasting_rs7657672	S8	CLCN3	rs182965141	S8	DIAPH1	1.81E-14	7.38E-07	4.52E-11	1.47E-10	0.00598212	4.39E-07
phe.Fasting_rs7657672	S8	CLCN3	rs6881310	S23	ISL1	3.07E-12	0.000125534	5.63E-09	7.01E-11	0.00285495	2.20E-07
phe.Fasting_rs7657672	S8	CLCN3	rs77444916	S23	LOC642366	1.23E-16	5.01E-09	5.00E-13	5.32E-13	2.17E-05	2.65E-09
phe.Fasting_rs7657672	S8	CLCN3	rs80258830	S24	LOC642366	1.23E-16	5.01E-09	5.00E-13	5.32E-13	2.17E-05	2.65E-09
phe.Fasting_rs76737663	S1	LOC654841	rs57503635	S3	NA	1.33E-16	5.42E-09	5.30E-13	2.03E-32	8.25E-25	4.52E-25
phe.Fasting_rs7675011	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	1.27E-15	5.16E-08	1.44E-11
phe.Fasting_rs7675011	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	3.40E-12	0.000138444	1.43E-08
phe.Fasting_rs7675011	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs7675011	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs76844308	S8	CNTLN	rs139070959	S8	RPN2	3.76E-18	1.54E-10	5.76E-14	3.24E-12	0.000131982	1.37E-08
phe.Fasting_rs76844308	S8	CNTLN	rs57503635	S3	NA	4.62E-17	1.89E-09	2.34E-13	6.15E-16	2.50E-08	1.16E-11
phe.Fasting_rs7690583	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	8.90E-16	3.62E-08	1.16E-11
phe.Fasting_rs7690583	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.23E-10	0.00906089	6.23E-07
phe.Fasting_rs7690583	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.23E-10	0.00906089	6.23E-07
phe.Fasting_rs7690583	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.33E-12	9.47E-05	1.00E-08
phe.Fasting_rs7690583	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.34E-16	3.40E-08	1.16E-11
phe.Fasting_rs7690583	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.34E-16	3.40E-08	1.16E-11
phe.Fasting_rs77444916	S23	LOC642366	rs111576333	S5	TMEM64	3.76E-17	1.53E-09	2.04E-13	6.78E-15	2.76E-07	6.06E-11
phe.Fasting_rs77444916	S23	LOC642366	rs112091318	S5	TMEM64	1.13E-17	4.62E-10	1.02E-13	8.04E-15	3.27E-07	7.10E-11
phe.Fasting_rs77444916	S23	LOC642366	rs1144334325	S7	AP3M2	1.30E-11	0.000530003	2.02E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs77444916	S23	LOC642366	rs114394395	S7	AP3M2	1.35E-11	0.00055115	2.09E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs77444916	S23	LOC642366	rs114565620	S8	RCL1	2.52E-17	1.03E-09	1.56E-13	5.48E-15	2.23E-07	5.01E-11
phe.Fasting_rs77444916	S23	LOC642366	rs115305957	S23	NA	1.48E-17	6.03E-10	1.17E-13	3.16E-15	1.29E-07	3.03E-11
phe.Fasting_rs77444916	S23	LOC642366	rs115787552	S5	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.09E-14	1.26E-06	2.29E-10
phe.Fasting_rs77444916	S23	LOC642366	rs115888477	S8	NA	1.85E-15	7.54E-08	5.27E-12	5.33E-15	2.17E-07	4.88E-11
phe.Fasting_rs77444916	S23	LOC642366	rs116011837	S9	BRD2	2.31E-17	9.43E-10	1.46E-13	2.99E-13	1.22E-05	1.64E-09
phe.Fasting_rs77444916	S23	LOC642366	rs116079984	S8	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.49E-14	1.42E-06	2.53E-10
phe.Fasting_rs77444916	S23	LOC642366	rs116120727	S9	BRD2	2.31E-17	9.43E-10	1.46E-13	2.99E-13	1.22E-05	1.64E-09
phe.Fasting_rs77444916	S23	LOC642366	rs116406581	S2	NA	5.35E-11	0.00218631	7.23E-08	3.94E-15	1.60E-07	3.70E-11
phe.Fasting_rs77444916	S23	LOC642366	rs116696844	S3	AP3M2	1.83E-11	0.000748556	2.76E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs77444916	S23	LOC642366	rs11989304	S4	TMEM64	3.76E-17	1.53E-09	2.04E-13	6.48E-15	2.64E-07	5.85E-11
phe.Fasting_rs77444916	S23	LOC642366	rs141926074	S8	ATE1	5.64E-18	2.30E-10	7.14E-14	8.39E-14	3.41E-06	5.61E-10
phe.Fasting_rs77444916	S23	LOC642366	rs146815317	S5	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.09E-14	1.26E-06	2.29E-10
phe.Fasting_rs77444916	S23	LOC642366	rs1470889	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_rs77444916	S23	LOC642366	rs1470890	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_rs77444916	S23	LOC642366	rs150117838	S8	KPNA3	2.72E-16	1.11E-08	9.14E-13	2.88E-14	1.17E-06	2.16E-10
phe.Fasting_rs77444916	S23	LOC642366	rs17494290	S5	CDH2	3.23E-19	1.32E-11	2.40E-14	2.27E-12	9.32E-05	9.79E-09
phe.Fasting_rs77444916	S23	LOC642366	rs2924507	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_rs77444916	S23	LOC642366	rs2924508	S8	ZC3H3	3.47E-18	1.42E-10	5.60E-14	3.11E-13	1.27E-05	1.70E-09

phe.Fasting_rs77444916	S23	LOC642366	rs2924511	S7	ZC3H3	3.47E-18	1.42E-10	5.60E-14	1.97E-13	8.01E-06	1.10E-09
phe.Fasting_rs77444916	S23	LOC642366	rs2924512	S7	ZC3H3	3.97E-18	1.62E-10	5.99E-14	2.29E-13	9.30E-06	1.26E-09
phe.Fasting_rs77444916	S23	LOC642366	rs2956376	S8	ZC3H3	3.47E-18	1.42E-10	5.60E-14	1.33E-13	5.43E-06	7.77E-10
phe.Fasting_rs77444916	S23	LOC642366	rs2980270	S7	ZC3H3	3.47E-18	1.42E-10	5.60E-14	1.33E-13	5.43E-06	7.77E-10
phe.Fasting_rs77444916	S23	LOC642366	rs2980272	S7	ZC3H3	3.97E-18	1.62E-10	5.99E-14	2.52E-13	1.03E-05	1.39E-09
phe.Fasting_rs77444916	S23	LOC642366	rs2980275	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_rs77444916	S23	LOC642366	rs366767	S5	ZC3H3	4.74E-18	1.93E-10	6.62E-14	1.49E-13	6.06E-06	8.45E-10
phe.Fasting_rs77444916	S23	LOC642366	rs57503635	S3	NA	8.73E-17	3.57E-09	3.79E-13	1.25E-14	5.07E-07	1.07E-10
phe.Fasting_rs77444916	S23	LOC642366	rs7004597	S8	NA	1.30E-11	0.000530003	2.02E-08	3.39E-15	1.38E-07	3.24E-11
phe.Fasting_rs77444916	S23	LOC642366	rs7256517	S7	CYTH2	1.01E-16	4.11E-09	4.28E-13	8.71E-15	3.55E-07	7.66E-11
phe.Fasting_rs77444916	S23	LOC642366	rs73283603	S7	ZWINT	9.84E-17	4.02E-09	4.21E-13	5.66E-15	2.30E-07	5.16E-11
phe.Fasting_rs77444916	S23	LOC642366	rs73392640	S8	POLR3B	1.50E-16	6.14E-09	5.83E-13	9.36E-12	0.000380943	3.49E-08
phe.Fasting_rs77444916	S23	LOC642366	rs74627895	S8	TMEM64	1.13E-17	4.62E-10	1.02E-13	3.94E-15	1.60E-07	3.70E-11
phe.Fasting_rs77444916	S23	LOC642366	rs74701059	S24	C17orf102	1.50E-17	6.14E-10	1.18E-13	3.22E-15	1.31E-07	3.09E-11
phe.Fasting_rs77444916	S23	LOC642366	rs74914207	S24	NA	3.46E-12	0.000141389	6.28E-09	1.58E-11	0.000644651	5.68E-08
phe.Fasting_rs77444916	S23	LOC642366	rs75350765	S5	RCL1	2.52E-17	1.03E-09	1.56E-13	5.48E-15	2.23E-07	5.01E-11
phe.Fasting_rs77444916	S23	LOC642366	rs75374128	S5	CNTLN	1.14E-17	4.66E-10	1.02E-13	8.56E-11	0.00348551	2.64E-07
phe.Fasting_rs77444916	S23	LOC642366	rs75758702	S24	NA	5.36E-18	2.19E-10	7.01E-14	1.92E-16	7.80E-09	7.61E-12
phe.Fasting_rs77444916	S23	LOC642366	rs75864203	S8	CNTLN	1.14E-17	4.66E-10	1.02E-13	8.56E-11	0.00348551	2.64E-07
phe.Fasting_rs77444916	S23	LOC642366	rs75949566	S5	TMEM64	3.79E-17	1.55E-09	2.05E-13	9.41E-15	3.83E-07	8.18E-11
phe.Fasting_rs77444916	S23	LOC642366	rs7763107	S8	FARS2	6.68E-17	2.73E-09	3.05E-13	1.29E-15	5.24E-08	1.46E-11
phe.Fasting_rs77444916	S23	LOC642366	rs77798597	S7	KPNA3	2.72E-16	1.11E-08	9.14E-13	2.88E-14	1.17E-06	2.16E-10
phe.Fasting_rs77444916	S23	LOC642366	rs77845645	S21	NA	1.59E-17	6.50E-10	1.22E-13	1.19E-14	4.85E-07	1.02E-10
phe.Fasting_rs77444916	S23	LOC642366	rs78353402	S8	AP3M2	1.30E-11	0.000530003	2.02E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs77444916	S23	LOC642366	rs78516788	S8	SLC38A1	1.33E-17	5.43E-10	1.10E-13	1.01E-14	4.10E-07	8.74E-11
phe.Fasting_rs77444916	S23	LOC642366	rs78697063	S5	MSI2	5.49E-20	2.24E-12	2.23E-14	3.16E-15	1.28E-07	3.03E-11
phe.Fasting_rs77444916	S23	LOC642366	rs78722272	S5	CNTLN	1.14E-17	4.66E-10	1.02E-13	8.46E-11	0.00344297	2.62E-07
phe.Fasting_rs77444916	S23	LOC642366	rs78736524	S5	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.09E-14	1.26E-06	2.29E-10
phe.Fasting_rs77444916	S23	LOC642366	rs78990344	S2	LOC10050631	3.76E-17	1.53E-09	2.04E-13	6.48E-15	2.64E-07	5.85E-11
phe.Fasting_rs77444916	S23	LOC642366	rs79703349	S24	C17orf102	1.50E-17	6.14E-10	1.18E-13	3.66E-15	1.49E-07	3.48E-11
phe.Fasting_rs77444916	S23	LOC642366	rs79781495	S8	KPNA3	2.72E-16	1.11E-08	9.14E-13	2.88E-14	1.17E-06	2.16E-10
phe.Fasting_rs77444916	S23	LOC642366	rs80332465	S5	KPNA3	2.95E-16	1.21E-08	9.83E-13	3.02E-14	1.23E-06	2.25E-10
phe.Fasting_rs77444916	S23	LOC642366	rs80334773	S5	KPNA3	2.95E-16	1.21E-08	9.83E-13	3.02E-14	1.23E-06	2.25E-10
phe.Fasting_rs77523818	S7	SPTLC1	rs12581352	S2	NA	7.63E-18	3.12E-10	8.49E-14	2.07E-13	8.42E-06	1.15E-09
phe.Fasting_rs77798597	S7	KPNA3	rs57503635	S3	NA	1.29E-15	5.25E-08	3.74E-12	4.13E-15	1.68E-07	3.85E-11
phe.Fasting_rs77845645	S21	NA	rs114334325	S7	AP3M2	2.01E-12	8.21E-05	3.80E-09	8.48E-14	3.45E-06	5.67E-10
phe.Fasting_rs77845645	S21	NA	rs114394395	S7	AP3M2	2.12E-12	8.66E-05	3.98E-09	8.48E-14	3.45E-06	5.67E-10
phe.Fasting_rs77845645	S21	NA	rs114565620	S8	RCL1	8.97E-18	3.66E-10	9.19E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs77845645	S21	NA	rs116406581	S2	NA	7.82E-12	0.000319355	1.31E-08	4.52E-14	1.84E-06	3.14E-10
phe.Fasting_rs77845645	S21	NA	rs116696844	S3	AP3M2	2.71E-12	0.00011073	5.01E-09	8.48E-14	3.45E-06	5.67E-10

phe.Fasting_rs77845645	S21	NA	rs141926074	S8	ATE1	5.46E-18	2.23E-10	7.07E-14	2.36E-11	0.000959051	8.19E-08
phe.Fasting_rs77845645	S21	NA	rs7004597	S8	NA	2.01E-12	8.21E-05	3.80E-09	4.28E-14	1.74E-06	2.98E-10
phe.Fasting_rs77845645	S21	NA	rs73392640	S8	POLR3B	1.43E-16	5.85E-09	5.66E-13	3.33E-12	0.000135717	1.41E-08
phe.Fasting_rs77845645	S21	NA	rs73619637	S8	NA	2.17E-10	0.00886193	2.67E-07	6.28E-17	2.56E-09	4.32E-12
phe.Fasting_rs77845645	S21	NA	rs74914207	S24	NA	1.55E-17	6.34E-10	1.20E-13	4.08E-11	0.00165898	1.34E-07
phe.Fasting_rs77845645	S21	NA	rs75350765	S5	RCL1	8.97E-18	3.66E-10	9.19E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs77845645	S21	NA	rs78353402	S8	AP3M2	2.01E-12	8.21E-05	3.80E-09	8.48E-14	3.45E-06	5.67E-10
phe.Fasting_rs78353402	S8	AP3M2	rs73619637	S8	NA	3.31E-14	1.35E-06	8.02E-11	5.78E-11	0.0023523	1.85E-07
phe.Fasting_rs78722272	S5	CNTLN	rs139070959	S8	RPN2	1.05E-17	4.28E-10	9.93E-14	3.49E-12	0.000142251	1.47E-08
phe.Fasting_rs78736524	S5	KPNA3	rs57503635	S3	NA	1.29E-15	5.25E-08	3.74E-12	4.33E-15	1.76E-07	4.03E-11
phe.Fasting_rs78990344	S2	LOC1005063	rs73392640	S8	POLR3B	1.29E-10	0.00525587	1.64E-07	9.02E-11	0.00367219	2.78E-07
phe.Fasting_rs79389383	S8	PHC3	rs116011837	S9	BRD2	2.77E-13	1.13E-05	5.95E-10	2.10E-11	0.000853749	7.39E-08
phe.Fasting_rs79389383	S8	PHC3	rs116120727	S9	BRD2	2.77E-13	1.13E-05	5.95E-10	2.10E-11	0.000853749	7.39E-08
phe.Fasting_rs79389383	S8	PHC3	rs141926074	S8	ATE1	1.26E-19	5.15E-12	2.23E-14	1.36E-11	0.00055511	4.95E-08
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs115787552	S5	KPNA3	7.26E-16	2.96E-08	2.22E-12	3.07E-19	1.25E-11	3.60E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs115888477	S8	NA	5.65E-15	2.31E-07	1.47E-11	1.06E-16	4.32E-09	5.87E-12
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs116011837	S9	BRD2	1.30E-11	0.00053113	2.02E-08	2.01E-15	8.17E-08	2.11E-11
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs116079984	S8	KPNA3	7.26E-16	2.96E-08	2.22E-12	3.52E-19	1.43E-11	3.88E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs116120727	S9	BRD2	1.30E-11	0.00053113	2.02E-08	2.01E-15	8.17E-08	2.11E-11
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs146815317	S5	KPNA3	7.26E-16	2.96E-08	2.22E-12	3.07E-19	1.25E-11	3.60E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs150117838	S8	KPNA3	7.26E-16	2.96E-08	2.22E-12	2.85E-19	1.16E-11	3.60E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs16894241	S4	HIST1H2BK	9.78E-12	0.000399226	1.56E-08	2.78E-19	1.13E-11	3.60E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs57503635	S3	NA	1.45E-16	5.93E-09	5.72E-13	3.68E-12	0.000149984	1.53E-08
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs73392640	S8	POLR3B	6.27E-11	0.00255856	8.39E-08	1.23E-13	5.00E-06	7.33E-10
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs74914207	S24	NA	3.23E-11	0.00131905	4.55E-08	2.22E-15	9.02E-08	2.24E-11
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs76844308	S8	CNTLN	1.42E-17	5.81E-10	1.15E-13	4.70E-11	0.00191221	1.52E-07
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs77798597	S7	KPNA3	7.26E-16	2.96E-08	2.22E-12	2.85E-19	1.16E-11	3.60E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs78736524	S5	KPNA3	7.26E-16	2.96E-08	2.22E-12	3.07E-19	1.25E-11	3.60E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs79781495	S8	KPNA3	7.26E-16	2.96E-08	2.22E-12	2.85E-19	1.16E-11	3.60E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs80332465	S5	KPNA3	7.70E-16	3.15E-08	2.35E-12	3.18E-19	1.29E-11	3.60E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs80334773	S5	KPNA3	7.70E-16	3.15E-08	2.35E-12	3.18E-19	1.29E-11	3.60E-13
phe.Fasting_rs79518241	S6	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs79518241	S6	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs79518241	S6	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs79781495	S8	KPNA3	rs57503635	S3	NA	1.29E-15	5.25E-08	3.74E-12	4.13E-15	1.68E-07	3.85E-11
phe.Fasting_rs80157533	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	4.03E-16	1.64E-08	1.16E-11
phe.Fasting_rs80157533	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs80157533	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs80157533	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	8.72E-13	3.55E-05	4.15E-09
phe.Fasting_rs80157533	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11

phe.Fasting_rs80157533	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_rs80200953	S8	PPP2R5D	rs114565620	S8	RCL1	4.47E-18	1.83E-10	6.40E-14	2.13E-16	8.68E-09	8.14E-12
phe.Fasting_rs80200953	S8	PPP2R5D	rs75350765	S5	RCL1	4.47E-18	1.83E-10	6.40E-14	2.13E-16	8.68E-09	8.14E-12
phe.Fasting_rs80258830	S24	LOC642366	rs111576333	S5	TMEM64	3.76E-17	1.53E-09	2.04E-13	6.78E-15	2.76E-07	6.06E-11
phe.Fasting_rs80258830	S24	LOC642366	rs112091318	S5	TMEM64	1.13E-17	4.62E-10	1.02E-13	8.04E-15	3.27E-07	7.10E-11
phe.Fasting_rs80258830	S24	LOC642366	rs114334325	S7	AP3M2	1.30E-11	0.000530003	2.02E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs80258830	S24	LOC642366	rs114394395	S7	AP3M2	1.35E-11	0.00055115	2.09E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs80258830	S24	LOC642366	rs114565620	S8	RCL1	2.52E-17	1.03E-09	1.56E-13	5.48E-15	2.23E-07	5.01E-11
phe.Fasting_rs80258830	S24	LOC642366	rs115305957	S23	NA	1.48E-17	6.03E-10	1.17E-13	3.16E-15	1.29E-07	3.03E-11
phe.Fasting_rs80258830	S24	LOC642366	rs115787552	S5	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.09E-14	1.26E-06	2.29E-10
phe.Fasting_rs80258830	S24	LOC642366	rs115888477	S8	NA	1.85E-15	7.54E-08	5.27E-12	5.33E-15	2.17E-07	4.88E-11
phe.Fasting_rs80258830	S24	LOC642366	rs116011837	S9	BRD2	2.31E-17	9.43E-10	1.46E-13	2.99E-13	1.22E-05	1.64E-09
phe.Fasting_rs80258830	S24	LOC642366	rs116079984	S8	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.49E-14	1.42E-06	2.53E-10
phe.Fasting_rs80258830	S24	LOC642366	rs116120727	S9	BRD2	2.31E-17	9.43E-10	1.46E-13	2.99E-13	1.22E-05	1.64E-09
phe.Fasting_rs80258830	S24	LOC642366	rs116406581	S2	NA	5.35E-11	0.00218631	7.23E-08	3.94E-15	1.60E-07	3.70E-11
phe.Fasting_rs80258830	S24	LOC642366	rs116696844	S3	AP3M2	1.83E-11	0.000748556	2.76E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs80258830	S24	LOC642366	rs11989304	S4	TMEM64	3.76E-17	1.53E-09	2.04E-13	6.48E-15	2.64E-07	5.85E-11
phe.Fasting_rs80258830	S24	LOC642366	rs141926074	S8	ATE1	5.64E-18	2.30E-10	7.14E-14	8.39E-14	3.41E-06	5.61E-10
phe.Fasting_rs80258830	S24	LOC642366	rs146815317	S5	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.09E-14	1.26E-06	2.29E-10
phe.Fasting_rs80258830	S24	LOC642366	rs1470889	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_rs80258830	S24	LOC642366	rs1470890	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_rs80258830	S24	LOC642366	rs150117838	S8	KPNA3	2.72E-16	1.11E-08	9.14E-13	2.88E-14	1.17E-06	2.16E-10
phe.Fasting_rs80258830	S24	LOC642366	rs17494290	S5	CDH2	3.23E-19	1.32E-11	2.40E-14	2.27E-12	9.24E-05	9.79E-09
phe.Fasting_rs80258830	S24	LOC642366	rs2924507	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_rs80258830	S24	LOC642366	rs2924508	S8	ZC3H3	3.47E-18	1.42E-10	5.60E-14	3.11E-13	1.27E-05	1.70E-09
phe.Fasting_rs80258830	S24	LOC642366	rs2924511	S7	ZC3H3	3.47E-18	1.42E-10	5.60E-14	1.97E-13	8.01E-06	1.10E-09
phe.Fasting_rs80258830	S24	LOC642366	rs2924512	S7	ZC3H3	3.97E-18	1.62E-10	5.99E-14	2.29E-13	9.30E-06	1.26E-09
phe.Fasting_rs80258830	S24	LOC642366	rs2956376	S8	ZC3H3	3.47E-18	1.42E-10	5.60E-14	1.33E-13	5.43E-06	7.77E-10
phe.Fasting_rs80258830	S24	LOC642366	rs2980270	S7	ZC3H3	3.47E-18	1.42E-10	5.60E-14	1.33E-13	5.43E-06	7.77E-10
phe.Fasting_rs80258830	S24	LOC642366	rs2980272	S7	ZC3H3	3.97E-18	1.62E-10	5.99E-14	2.52E-13	1.03E-05	1.39E-09
phe.Fasting_rs80258830	S24	LOC642366	rs2980275	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_rs80258830	S24	LOC642366	rs366767	S5	ZC3H3	4.74E-18	1.93E-10	6.62E-14	1.49E-13	6.06E-06	8.45E-10
phe.Fasting_rs80258830	S24	LOC642366	rs57503635	S3	NA	8.73E-17	3.57E-09	3.79E-13	1.25E-14	5.07E-07	1.07E-10
phe.Fasting_rs80258830	S24	LOC642366	rs7004597	S8	NA	1.30E-11	0.000530003	2.02E-08	3.39E-15	1.38E-07	3.24E-11
phe.Fasting_rs80258830	S24	LOC642366	rs7256517	S7	CYTH2	1.01E-16	4.11E-09	4.28E-13	8.71E-15	3.55E-07	7.66E-11
phe.Fasting_rs80258830	S24	LOC642366	rs73283603	S7	ZWINT	9.84E-17	4.02E-09	4.21E-13	5.66E-15	2.30E-07	5.16E-11
phe.Fasting_rs80258830	S24	LOC642366	rs73392640	S8	POLR3B	1.50E-16	6.14E-09	5.83E-13	9.36E-12	0.000380943	3.49E-08
phe.Fasting_rs80258830	S24	LOC642366	rs74627895	S8	TMEM64	1.13E-17	4.62E-10	1.02E-13	3.94E-15	1.60E-07	3.70E-11
phe.Fasting_rs80258830	S24	LOC642366	rs74701059	S24	C17orf102	1.50E-17	6.14E-10	1.18E-13	3.22E-15	1.31E-07	3.09E-11
phe.Fasting_rs80258830	S24	LOC642366	rs74914207	S24	NA	3.46E-12	0.000141389	6.28E-09	1.58E-11	0.000644651	5.68E-08



phe.Fasting_rs80258830	S24	LOC642366	rs75350765	S5	RCL1	2.52E-17	1.03E-09	1.56E-13	5.48E-15	2.23E-07	5.01E-11
phe.Fasting_rs80258830	S24	LOC642366	rs75374128	S5	CNTLN	1.14E-17	4.66E-10	1.02E-13	8.56E-11	0.00348551	2.64E-07
phe.Fasting_rs80258830	S24	LOC642366	rs75758702	S24	NA	5.36E-18	2.19E-10	7.01E-14	1.92E-16	7.80E-09	7.61E-12
phe.Fasting_rs80258830	S24	LOC642366	rs75864203	S8	CNTLN	1.14E-17	4.66E-10	1.02E-13	8.56E-11	0.00348551	2.64E-07
phe.Fasting_rs80258830	S24	LOC642366	rs75949566	S5	TMEM64	3.79E-17	1.55E-09	2.05E-13	9.41E-15	3.83E-07	8.18E-11
phe.Fasting_rs80258830	S24	LOC642366	rs7763107	S8	FARS2	6.68E-17	2.73E-09	3.05E-13	1.29E-15	5.24E-08	1.46E-11
phe.Fasting_rs80258830	S24	LOC642366	rs77798597	S7	KPNA3	2.72E-16	1.11E-08	9.14E-13	2.88E-14	1.17E-06	2.16E-10
phe.Fasting_rs80258830	S24	LOC642366	rs77845645	S21	NA	1.59E-17	6.50E-10	1.22E-13	1.19E-14	4.85E-07	1.02E-10
phe.Fasting_rs80258830	S24	LOC642366	rs78353402	S8	AP3M2	1.30E-11	0.000530003	2.02E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs80258830	S24	LOC642366	rs78516788	S8	SLC38A1	1.33E-17	5.43E-10	1.10E-13	1.01E-14	4.10E-07	8.74E-11
phe.Fasting_rs80258830	S24	LOC642366	rs78697063	S5	MSI2	5.49E-20	2.24E-12	2.23E-14	3.16E-15	1.28E-07	3.03E-11
phe.Fasting_rs80258830	S24	LOC642366	rs78722272	S5	CNTLN	1.14E-17	4.66E-10	1.02E-13	8.46E-11	0.00344297	2.62E-07
phe.Fasting_rs80258830	S24	LOC642366	rs78736524	S5	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.09E-14	1.26E-06	2.29E-10
phe.Fasting_rs80258830	S24	LOC642366	rs78990344	S2	LOC1005063	3.76E-17	1.53E-09	2.04E-13	6.48E-15	2.64E-07	5.85E-11
phe.Fasting_rs80258830	S24	LOC642366	rs79703349	S24	C17orf102	1.50E-17	6.14E-10	1.18E-13	3.66E-15	1.49E-07	3.48E-11
phe.Fasting_rs80258830	S24	LOC642366	rs79781495	S8	KPNA3	2.72E-16	1.11E-08	9.14E-13	2.88E-14	1.17E-06	2.16E-10
phe.Fasting_rs80258830	S24	LOC642366	rs80332465	S5	KPNA3	2.95E-16	1.21E-08	9.83E-13	3.02E-14	1.23E-06	2.25E-10
phe.Fasting_rs80258830	S24	LOC642366	rs80334773	S5	KPNA3	2.95E-16	1.21E-08	9.83E-13	3.02E-14	1.23E-06	2.25E-10
phe.Fasting_rs80332465	S5	KPNA3	rs57503635	S3	NA	1.37E-15	5.60E-08	3.96E-12	4.42E-15	1.80E-07	4.10E-11
phe.Fasting_rs80334773	S5	KPNA3	rs57503635	S3	NA	1.37E-15	5.60E-08	3.96E-12	4.42E-15	1.80E-07	4.10E-11

**Table 4: Replicated Results after FDR Correction**

Phenotype	SNP_1	State_1	Gene_1	SNP_2	State_2	Gene_2	Discovery_pval	Discovery_bonf_pval	Discovery_FDR_pval	Replication_pval	Replication_bonf_pval	Replication_FDR_pval
phe.Fasting_	rs10019772	S7	LETM1	rs113357907	S24	ISL1	9.78E-09	3.99E-01	9.14E-06	2.80E-10	1.14E-02	7.66E-07
phe.Fasting_	rs10019772	S7	LETM1	rs116011837	S9	BRD2	9.87E-09	4.03E-01	9.22E-06	3.94E-06	1.00E+00	3.71E-03
phe.Fasting_	rs10019772	S7	LETM1	rs116120727	S9	BRD2	9.87E-09	4.03E-01	9.22E-06	3.94E-06	1.00E+00	3.71E-03
phe.Fasting_	rs10019772	S7	LETM1	rs77444916	S23	LOC642366	3.10E-08	1.00E+00	2.65E-05	2.67E-10	1.09E-02	7.33E-07
phe.Fasting_	rs10019772	S7	LETM1	rs80258830	S24	LOC642366	3.10E-08	1.00E+00	2.65E-05	2.67E-10	1.09E-02	7.33E-07
phe.Fasting_	rs10166084	S23	NA	rs112027720	S7	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs113219478	S7	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs138487229	S11	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs138738950	S8	"PCDHGB2,Pi	1.30E-07	1	9.62E-05	3.15E-06	1.00E+00	3.05E-03
phe.Fasting_	rs10166084	S23	NA	rs139297927	S8	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs139337303	S8	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs139621309	S18	"LOC1005056	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs140070363	S8	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs140644750	S13	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs141022544	S8	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs141525984	S5	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs142480565	S8	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs142718558	S7	"DIAPH1,LOC	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs144613910	S8	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs146220673	S7	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs146878162	S7	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs147314451	S8	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs147646948	S7	"LOC1005056	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs148116628	S7	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs148423011	S7	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs149075406	S8	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs149334783	S8	DIAPH1	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs149716949	S5	DIAPH1	6.95E-09	2.84E-01	6.67E-06	1.73E-06	1.00E+00	1.82E-03
phe.Fasting_	rs10166084	S23	NA	rs150452206	S13	"DIAPH1,LOC	1.30E-07	1.00E+00	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs150675915	S7	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs150765570	S7	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs151204700	S8	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs180772028	S8	"DIAPH1,LOC	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs181224861	S7	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs182714699	S8	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_	rs10166084	S23	NA	rs183597049	S7	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03

phe.Fasting_rs10166084	S23	NA	rs183980988 S2	NA	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_rs10166084	S23	NA	rs184233232 S7	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_rs10166084	S23	NA	rs184509477 S13	"PCDHGB4,PI	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_rs10166084	S23	NA	rs185069296 S15	"LOC100505056	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_rs10166084	S23	NA	rs185759881 S7	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_rs10166084	S23	NA	rs187000011 S11	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_rs10166084	S23	NA	rs188981295 S5	"RPS27AP10,	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_rs10166084	S23	NA	rs191544043 S8	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_rs10166084	S23	NA	rs191766712 S7	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_rs10166084	S23	NA	rs192690040 S7	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_rs10166084	S23	NA	rs192765219 S7	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_rs10166084	S23	NA	rs192770525 S7	DIAPH1	1.30E-07	1	9.62E-05	3.13E-06	1.00E+00	3.04E-03
phe.Fasting_rs10194708	S5	LIMS1	rs112027720 S7	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs112940854 S5	MYO1B	1.63E-05	1	6.96E-03	7.31E-07	1.00E+00	8.48E-04
phe.Fasting_rs10194708	S5	LIMS1	rs113219478 S7	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs115888477 S8	NA	5.65E-07	1	3.67E-04	1.54E-07	1.00E+00	2.09E-04
phe.Fasting_rs10194708	S5	LIMS1	rs138090701 S5	HDAC3	1.05E-07	1.00E+00	7.97E-05	6.46E-06	1.00E+00	5.68E-03
phe.Fasting_rs10194708	S5	LIMS1	rs138136869 S7	DIAPH1	1.77E-08	0.72259	1.57E-05	2.12E-06	1.00E+00	2.17E-03
phe.Fasting_rs10194708	S5	LIMS1	rs138457103 S10	DIAPH1	1.62E-06	1	0.000930264	7.69E-06	1.00E+00	6.56E-03
phe.Fasting_rs10194708	S5	LIMS1	rs138487229 S11	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs138738950 S8	"PCDHGB2,PI	7.58E-08	1	5.94E-05	4.79E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs139297927 S8	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs139337303 S8	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs139403963 S8	DIAPH1	1.77E-08	0.72259	1.57E-05	2.12E-06	1.00E+00	2.17E-03
phe.Fasting_rs10194708	S5	LIMS1	rs139621309 S18	"LOC100505056	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs139828110 S8	DIAPH1	1.77E-08	0.72259	1.57E-05	2.12E-06	1.00E+00	2.17E-03
phe.Fasting_rs10194708	S5	LIMS1	rs140070363 S8	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs140644750 S13	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs141022544 S8	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs141525984 S5	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs142480565 S8	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs142718558 S7	"DIAPH1,LOC	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs142789100 S8	DIAPH1	1.77E-08	0.72259	1.57E-05	2.12E-06	1.00E+00	2.17E-03
phe.Fasting_rs10194708	S5	LIMS1	rs142812798 S7	DIAPH1	1.77E-08	0.72259	1.57E-05	2.12E-06	1.00E+00	2.17E-03
phe.Fasting_rs10194708	S5	LIMS1	rs143377827 S13	"DIAPH1,LOC	1.03E-08	4.22E-01	9.60E-06	1.57E-06	1.00E+00	1.68E-03
phe.Fasting_rs10194708	S5	LIMS1	rs143691978 S11	DIAPH1	1.77E-08	7.23E-01	1.57E-05	2.18E-06	1.00E+00	2.23E-03
phe.Fasting_rs10194708	S5	LIMS1	rs144081334 S11	DIAPH1	1.77E-08	0.72259	1.57E-05	2.18E-06	1.00E+00	2.23E-03
phe.Fasting_rs10194708	S5	LIMS1	rs144613910 S8	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs145027704 S11	DIAPH1	1.77E-08	0.72259	1.57E-05	2.18E-06	1.00E+00	2.23E-03
phe.Fasting_rs10194708	S5	LIMS1	rs146220673 S7	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03

phe.Fasting_rs10194708	S5	LIMS1	rs146622060S13	DIAPH1	1.77E-08	0.72259	1.57E-05	2.18E-06	1.00E+00	2.23E-03
phe.Fasting_rs10194708	S5	LIMS1	rs146878162S7	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs147314451S8	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs147417996S7	DIAPH1	1.77E-08	7.23E-01	1.57E-05	2.18E-06	1.00E+00	2.23E-03
phe.Fasting_rs10194708	S5	LIMS1	rs147646948S7	"LOC1005056	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs147677041S8	DIAPH1	1.77E-08	0.72259	1.57E-05	2.12E-06	1.00E+00	2.17E-03
phe.Fasting_rs10194708	S5	LIMS1	rs148116628S7	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs148423011S7	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs149019627S8	DIAPH1	1.77E-08	0.72259	1.57E-05	2.12E-06	1.00E+00	2.17E-03
phe.Fasting_rs10194708	S5	LIMS1	rs149075406S8	DIAPH1	7.58E-08	1	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs149334783S8	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs149716949S5	DIAPH1	1.69E-07	1.00E+00	1.22E-04	3.26E-06	1.00E+00	3.15E-03
phe.Fasting_rs10194708	S5	LIMS1	rs149791570S5	DIAPH1	1.77E-08	7.23E-01	1.57E-05	2.12E-06	1.00E+00	2.17E-03
phe.Fasting_rs10194708	S5	LIMS1	rs150452206S13	"DIAPH1,LOC	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs150675915S7	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs150765570S7	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs150992994S11	"PCDHGAS,PI	7.46E-08	1.00E+00	5.86E-05	1.96E-06	1.00E+00	2.04E-03
phe.Fasting_rs10194708	S5	LIMS1	rs151204700S8	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs151330468S8	DIAPH1	1.77E-08	7.23E-01	1.57E-05	2.18E-06	1.00E+00	2.23E-03
phe.Fasting_rs10194708	S5	LIMS1	rs16833551S5	MYO1B	1.74E-05	1.00E+00	7.37E-03	1.21E-07	1.00E+00	1.68E-04
phe.Fasting_rs10194708	S5	LIMS1	rs180772028S8	"DIAPH1,LOC	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs181224861S7	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs182714699S8	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs182965141S8	DIAPH1	2.05E-08	8.37E-01	1.81E-05	1.36E-06	1.00E+00	1.49E-03
phe.Fasting_rs10194708	S5	LIMS1	rs183597049S7	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs183980988S2	NA	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs184233232S7	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs184509477S13	"PCDHGB4,PI	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs185069296S15	"LOC1005056	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs185502834S8	DIAPH1	1.77E-08	7.23E-01	1.57E-05	2.12E-06	1.00E+00	2.17E-03
phe.Fasting_rs10194708	S5	LIMS1	rs185759881S7	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs187000011S11	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs188981295S5	"RPS27AP10,	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs190559574S7	DIAPH1	1.77E-08	7.23E-01	1.57E-05	2.12E-06	1.00E+00	2.17E-03
phe.Fasting_rs10194708	S5	LIMS1	rs191544043S8	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs191766712S7	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs192690040S7	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs192765219S7	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs192770525S7	DIAPH1	7.58E-08	1.00E+00	5.94E-05	4.80E-06	1.00E+00	4.42E-03
phe.Fasting_rs10194708	S5	LIMS1	rs35990401S7	DIAPH1	1.20E-07	1.00E+00	8.98E-05	1.12E-06	1.00E+00	1.25E-03

phe.Fasting_rs10194708 S5	LIMS1	rs55900860 S7	DIAPH1	1.77E-08	7.23E-01	1.57E-05	2.12E-06	1.00E+00	2.17E-03
phe.Fasting_rs10194708 S5	LIMS1	rs61613048 S8	MYO1B	1.86E-05	1.00E+00	7.83E-03	3.77E-07	1.00E+00	4.66E-04
phe.Fasting_rs10194708 S5	LIMS1	rs73058677 S5	MYO1B	1.63E-05	1.00E+00	6.96E-03	1.93E-07	1.00E+00	2.56E-04
phe.Fasting_rs10212542 S7	FANCD2	rs112027720S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs113219478S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs116279995S20	"PCDHGA4,PI	6.20E-07	1	0.000397692	3.53E-06	1.00E+00	3.38E-03
phe.Fasting_rs10212542 S7	FANCD2	rs138090701S5	HDAC3	9.73E-07	1	0.000591548	5.73E-06	1.00E+00	5.12E-03
phe.Fasting_rs10212542 S7	FANCD2	rs138136869S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1.00E+00	3.62E-04
phe.Fasting_rs10212542 S7	FANCD2	rs138457103S10	DIAPH1	2.44E-07	1.00E+00	1.71E-04	1.37E-06	1.00E+00	1.49E-03
phe.Fasting_rs10212542 S7	FANCD2	rs138487229S11	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs138738950S8	"PCDHGB2,PI	4.36E-07	1	0.000289116	1.61E-06	1.00E+00	1.71E-03
phe.Fasting_rs10212542 S7	FANCD2	rs139297927S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs139337303S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs139403963S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1.00E+00	3.62E-04
phe.Fasting_rs10212542 S7	FANCD2	rs139621309S18	"LOC100505056	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs139828110S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1.00E+00	3.62E-04
phe.Fasting_rs10212542 S7	FANCD2	rs140070363S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs140644750S13	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs141022544S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs141525984S5	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs141692339S3	"PCDHGA6,PI	8.21E-07	1.00E+00	5.08E-04	5.19E-06	1.00E+00	4.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs141926074S8	ATE1	2.88E-07	1.00E+00	1.99E-04	2.16E-06	1.00E+00	2.21E-03
phe.Fasting_rs10212542 S7	FANCD2	rs142480565S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs142718558S7	"DIAPH1,LOC	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs142789100S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1.00E+00	3.62E-04
phe.Fasting_rs10212542 S7	FANCD2	rs142812798S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1.00E+00	3.62E-04
phe.Fasting_rs10212542 S7	FANCD2	rs143377827S13	"DIAPH1,LOC	8.22E-08	1.00E+00	6.39E-05	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_rs10212542 S7	FANCD2	rs143691978S11	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.97E-07	1.00E+00	3.76E-04
phe.Fasting_rs10212542 S7	FANCD2	rs144081334S11	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.97E-07	1.00E+00	3.76E-04
phe.Fasting_rs10212542 S7	FANCD2	rs144613910S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs145027704S11	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.97E-07	1.00E+00	3.76E-04
phe.Fasting_rs10212542 S7	FANCD2	rs146220673S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs146622060S13	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1.00E+00	3.76E-04
phe.Fasting_rs10212542 S7	FANCD2	rs146878162S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs147314451S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs147417996S7	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1.00E+00	3.76E-04
phe.Fasting_rs10212542 S7	FANCD2	rs147506725S21	"PCDHGA1,PI	6.20E-07	1.00E+00	3.98E-04	3.53E-06	1.00E+00	3.38E-03
phe.Fasting_rs10212542 S7	FANCD2	rs147646948S7	"LOC100505056	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542 S7	FANCD2	rs147677041S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1.00E+00	3.62E-04
phe.Fasting_rs10212542 S7	FANCD2	rs148116628S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03

phe.Fasting_rs10212542	S7	FANCD2	rs148423011	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs149019627	S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1.00E+00	3.62E-04
phe.Fasting_rs10212542	S7	FANCD2	rs149075406	S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs149334783	S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs149553852	S21	"PCDHGA10,	6.20E-07	1	0.000397692	3.53E-06	1.00E+00	3.38E-03
phe.Fasting_rs10212542	S7	FANCD2	rs149716949	S5	DIAPH1	4.70E-08	1	3.87E-05	3.17E-07	1.00E+00	3.99E-04
phe.Fasting_rs10212542	S7	FANCD2	rs149791570	S5	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1.00E+00	3.62E-04
phe.Fasting_rs10212542	S7	FANCD2	rs150452206	S13	"DIAPH1,LOC	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs150675915	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs150765570	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs150992994	S11	"PCDHGA5,PI	4.50E-07	1.00E+00	2.98E-04	1.56E-06	1.00E+00	1.66E-03
phe.Fasting_rs10212542	S7	FANCD2	rs151204700	S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs151330468	S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.97E-07	1.00E+00	3.76E-04
phe.Fasting_rs10212542	S7	FANCD2	rs180772028	S8	"DIAPH1,LOC	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs181224861	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs181247960	S21	"PCDHGA9,PI	6.20E-07	1.00E+00	3.98E-04	3.53E-06	1.00E+00	3.38E-03
phe.Fasting_rs10212542	S7	FANCD2	rs181824655	S21	"PCDHGB6,PI	6.20E-07	1.00E+00	3.98E-04	3.53E-06	1.00E+00	3.38E-03
phe.Fasting_rs10212542	S7	FANCD2	rs182714699	S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs182958142	S8	DIAPH1	2.15E-07	1.00E+00	1.52E-04	5.72E-06	1.00E+00	5.11E-03
phe.Fasting_rs10212542	S7	FANCD2	rs182965141	S8	DIAPH1	8.44E-08	1.00E+00	6.55E-05	3.00E-06	1.00E+00	2.92E-03
phe.Fasting_rs10212542	S7	FANCD2	rs183597049	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs183980988	S2	NA	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs184233232	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs184509477	S13	"PCDHGB4,PI	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs185069296	S15	"LOC1005056	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs185502834	S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1.00E+00	3.62E-04
phe.Fasting_rs10212542	S7	FANCD2	rs185759881	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs186288044	S21	"PCDHGB4,PI	6.20E-07	1.00E+00	3.98E-04	3.53E-06	1.00E+00	3.38E-03
phe.Fasting_rs10212542	S7	FANCD2	rs187000011	S11	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs188981295	S5	"RPS27AP10,	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs190559574	S7	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1.00E+00	3.62E-04
phe.Fasting_rs10212542	S7	FANCD2	rs191544043	S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs191766712	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs192690040	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs192765219	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs192770525	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1.00E+00	1.72E-03
phe.Fasting_rs10212542	S7	FANCD2	rs35990401	S7	DIAPH1	3.35E-07	1	0.000229529	5.65E-07	1.00E+00	6.69E-04
phe.Fasting_rs10212542	S7	FANCD2	rs3856797	S12	VGLL4	1.22E-05	1	0.00541401	6.19E-07	1.00E+00	7.28E-04
phe.Fasting_rs10212542	S7	FANCD2	rs55900860	S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1.00E+00	3.62E-04
phe.Fasting_rs10212542	S7	FANCD2	rs57503635	S3	NA	3.60E-09	0.147212	3.63E-06	4.64E-17	1.89E-09	3.64E-12

phe.Fasting_rs10212542	S7	FANCD2	rs79517926	S15	"DIAPH1,LOC	1.06E-07	1	8.00E-05	2.93E-06	1.00E+00	2.87E-03
phe.Fasting_rs10818995	S15	NA	rs140524622	S7	MRPL10	9.15E-07	1.00E+00	5.59E-04	6.98E-08	1.00E+00	1.02E-04
phe.Fasting_rs10818996	S15	NA	rs140524622	S7	MRPL10	9.15E-07	1.00E+00	5.59E-04	6.98E-08	1.00E+00	1.02E-04
phe.Fasting_rs10917006	S24	ALPL	rs73392640	S8	POLR3B	4.22E-06	1.00E+00	2.15E-03	2.74E-08	1.00E+00	4.48E-05
phe.Fasting_rs10954275	S8	COPG2	rs116079984	S8	KPNA3	6.63E-06	1.00E+00	3.20E-03	3.88E-08	1.00E+00	6.09E-05
phe.Fasting_rs10954275	S8	COPG2	rs74627895	S8	TMEM64	2.30E-10	9.41E-03	2.82E-07	8.18E-06	1.00E+00	6.92E-03
phe.Fasting_rs11121014	S7	CAMTA1	rs115586038	S5	MICA	1.88E-18	7.67E-11	3.95E-14	3.41E-06	1.00E+00	3.27E-03
phe.Fasting_rs11121014	S7	CAMTA1	rs115967895	S6	MICA	7.08E-08	1.00E+00	5.60E-05	4.28E-06	1.00E+00	4.00E-03
phe.Fasting_rs11121014	S7	CAMTA1	rs2153597	S8	ZNF438	4.60E-07	1.00E+00	3.04E-04	1.79E-06	1.00E+00	1.88E-03
phe.Fasting_rs11121014	S7	CAMTA1	rs3741054	S1	ACAT1	3.51E-09	1.43E-01	3.54E-06	1.01E-05	1.00E+00	8.24E-03
phe.Fasting_rs111576333	S5	TMEM64	rs112348319	S8	SPTLC1	1.78E-07	1.00E+00	1.28E-04	3.60E-06	1.00E+00	3.43E-03
phe.Fasting_rs111576333	S5	TMEM64	rs112608164	S8	SPTLC1	1.78E-07	1.00E+00	1.28E-04	3.60E-06	1.00E+00	3.43E-03
phe.Fasting_rs111576333	S5	TMEM64	rs115787552	S5	KPNA3	1.88E-06	1.00E+00	1.06E-03	3.91E-15	1.59E-07	3.68E-11
phe.Fasting_rs111576333	S5	TMEM64	rs115888477	S8	NA	9.13E-06	1.00E+00	4.22E-03	6.14E-16	2.50E-08	1.16E-11
phe.Fasting_rs111576333	S5	TMEM64	rs116079984	S8	KPNA3	1.88E-06	1.00E+00	1.06E-03	4.62E-15	1.88E-07	4.28E-11
phe.Fasting_rs111576333	S5	TMEM64	rs141926074	S8	ATE1	1.17E-17	4.76E-10	1.03E-13	2.68E-06	1.00E+00	2.65E-03
phe.Fasting_rs111576333	S5	TMEM64	rs146815317	S5	KPNA3	1.88E-06	1.00E+00	1.06E-03	3.91E-15	1.59E-07	3.68E-11
phe.Fasting_rs111576333	S5	TMEM64	rs150117838	S8	KPNA3	1.88E-06	1.00E+00	1.06E-03	3.71E-15	1.51E-07	3.52E-11
phe.Fasting_rs111576333	S5	TMEM64	rs73283603	S7	ZWINT	3.14E-16	1.28E-08	1.04E-12	6.16E-09	2.51E-01	1.20E-05
phe.Fasting_rs111576333	S5	TMEM64	rs73392640	S8	POLR3B	1.29E-10	5.26E-03	1.64E-07	1.65E-14	6.72E-07	1.38E-10
phe.Fasting_rs111576333	S5	TMEM64	rs75758702	S24	NA	9.04E-08	1.00E+00	6.96E-05	3.10E-06	1.00E+00	3.01E-03
phe.Fasting_rs111576333	S5	TMEM64	rs76542405	S5	SPTLC1	1.78E-07	1.00E+00	1.28E-04	3.60E-06	1.00E+00	3.43E-03
phe.Fasting_rs111576333	S5	TMEM64	rs77523818	S7	SPTLC1	1.78E-07	1.00E+00	1.28E-04	3.60E-06	1.00E+00	3.43E-03
phe.Fasting_rs111576333	S5	TMEM64	rs77798597	S7	KPNA3	1.88E-06	1.00E+00	1.06E-03	3.71E-15	1.51E-07	3.52E-11
phe.Fasting_rs111576333	S5	TMEM64	rs78736524	S5	KPNA3	1.88E-06	1.00E+00	1.06E-03	3.91E-15	1.59E-07	3.68E-11
phe.Fasting_rs111576333	S5	TMEM64	rs79781495	S8	KPNA3	1.88E-06	1.00E+00	1.06E-03	3.71E-15	1.51E-07	3.52E-11
phe.Fasting_rs111576333	S5	TMEM64	rs80332465	S5	KPNA3	1.90E-06	1.00E+00	1.07E-03	4.00E-15	1.63E-07	3.75E-11
phe.Fasting_rs111576333	S5	TMEM64	rs80334773	S5	KPNA3	1.90E-06	1.00E+00	1.07E-03	4.00E-15	1.63E-07	3.75E-11
phe.Fasting_rs111576333	S5	TMEM64	rs8075478	S8	MYH10	1.56E-07	1.00E+00	1.14E-04	1.10E-06	1.00E+00	1.23E-03
phe.Fasting_rs112009962	S8	NA	rs139070959	S8	RPN2	8.65E-18	3.53E-10	8.93E-14	6.23E-15	2.54E-07	5.64E-11
phe.Fasting_rs112009962	S8	NA	rs145412529	S8	"RBL1,RPS3A	5.02E-18	2.05E-10	6.85E-14	8.03E-12	3.27E-04	3.03E-08
phe.Fasting_rs112009962	S8	NA	rs57503635	S3	NA	1.57E-06	1	0.000908628	1.76E-06	1.00E+00	1.85E-03
phe.Fasting_rs112027720	S7	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs112027720	S7	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.45E-02	2.58E-06
phe.Fasting_rs112027720	S7	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1.00E+00	6.13E-05
phe.Fasting_rs112027720	S7	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs112027720	S7	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs112027720	S7	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs112027720	S7	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs112027720	S7	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1.00E+00	6.69E-03

phe.Fasting_	rs112027720S7	DIAPH1	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_	rs112027720S7	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs112027720S7	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs112027720S7	DIAPH1	rs116011837S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs112027720S7	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs112027720S7	DIAPH1	rs116120727S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs112027720S7	DIAPH1	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_	rs112027720S7	DIAPH1	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_	rs112027720S7	DIAPH1	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs112027720S7	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_	rs112027720S7	DIAPH1	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1.00E+00	6.31E-03
phe.Fasting_	rs112027720S7	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs112027720S7	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs112027720S7	DIAPH1	rs150916187S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_	rs112027720S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs112027720S7	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1.00E+00	7.14E-03
phe.Fasting_	rs112027720S7	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_	rs112027720S7	DIAPH1	rs2835656 S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1.00E+00	7.57E-03
phe.Fasting_	rs112027720S7	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	4.19E-01	1.90E-05
phe.Fasting_	rs112027720S7	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1.00E+00	7.10E-03
phe.Fasting_	rs112027720S7	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1.00E+00	7.32E-03
phe.Fasting_	rs112027720S7	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1.00E+00	7.93E-03
phe.Fasting_	rs112027720S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs112027720S7	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1.00E+00	8.01E-03
phe.Fasting_	rs112027720S7	DIAPH1	rs60011869 S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	3.32E-02	1.98E-06
phe.Fasting_	rs112027720S7	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1.00E+00	7.43E-03
phe.Fasting_	rs112027720S7	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1.00E+00	3.04E-04
phe.Fasting_	rs112027720S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	1.96E-04	1.91E-08
phe.Fasting_	rs112027720S7	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1.00E+00	2.68E-04
phe.Fasting_	rs112027720S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	2.11E-03	1.67E-07
phe.Fasting_	rs112027720S7	DIAPH1	rs734069 S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	2.73E-02	1.68E-06
phe.Fasting_	rs112027720S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	8.34E-03	5.78E-07
phe.Fasting_	rs112027720S7	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	8.28E-01	3.48E-05
phe.Fasting_	rs112027720S7	DIAPH1	rs74914207 S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	3.71E-03	2.80E-07
phe.Fasting_	rs112027720S7	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_	rs112027720S7	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_	rs112027720S7	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	4.50E-01	2.03E-05
phe.Fasting_	rs112027720S7	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	6.38E-03	4.59E-07
phe.Fasting_	rs112027720S7	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_	rs112027720S7	DIAPH1	rs75949566 S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	3.45E-03	2.62E-07



phe.Fasting_rs112027720S7	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1.00E+00	1.35E-04
phe.Fasting_rs112027720S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	3.76E-04	3.44E-08
phe.Fasting_rs112027720S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs112027720S7	DIAPH1	rs77845645	S21	NA	1.53E-06	1	0.000888475	4.20E-11	1.71E-03	1.38E-07
phe.Fasting_rs112027720S7	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs112027720S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	9.93E-03	6.74E-07
phe.Fasting_rs112027720S7	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	2.78E-02	1.70E-06
phe.Fasting_rs112027720S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1.00E+00	1.48E-04
phe.Fasting_rs112027720S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs112027720S7	DIAPH1	rs78990344	S2	LOC1005063	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs112027720S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs112027720S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1.00E+00	5.59E-04
phe.Fasting_rs112027720S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.48E-01	7.55E-06
phe.Fasting_rs112027720S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs112027720S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs112089881S8	ZFAND4	rs115787552	S5	KPNA3	5.82E-07	1	0.000376379	6.03E-08	1.00E+00	9.08E-05
phe.Fasting_rs112089881S8	ZFAND4	rs115888477	S8	NA	5.98E-06	1	0.00291466	1.15E-08	4.69E-01	2.11E-05
phe.Fasting_rs112089881S8	ZFAND4	rs116079984	S8	KPNA3	5.82E-07	1	0.000376379	7.70E-08	1.00E+00	1.12E-04
phe.Fasting_rs112089881S8	ZFAND4	rs140524622	S7	MRPL10	5.20E-08	1	4.24E-05	8.93E-18	3.63E-10	1.40E-12
phe.Fasting_rs112089881S8	ZFAND4	rs141926074	S8	ATE1	7.45E-19	3.04E-11	2.69E-14	4.47E-09	1.82E-01	9.03E-06
phe.Fasting_rs112089881S8	ZFAND4	rs146815317	S5	KPNA3	5.82E-07	1	0.000376379	6.03E-08	1.00E+00	9.08E-05
phe.Fasting_rs112089881S8	ZFAND4	rs150117838	S8	KPNA3	5.82E-07	1	0.000376379	5.96E-08	1.00E+00	9.00E-05
phe.Fasting_rs112089881S8	ZFAND4	rs7256517	S7	CYTH2	1.08E-05	1	0.00491215	1.71E-06	1.00E+00	1.80E-03
phe.Fasting_rs112089881S8	ZFAND4	rs73283603	S7	ZWINT	1.55E-08	0.634958	1.40E-05	5.05E-09	2.06E-01	1.01E-05
phe.Fasting_rs112089881S8	ZFAND4	rs73392640	S8	POLR3B	8.63E-11	3.52E-03	1.13E-07	8.14E-09	3.31E-01	1.55E-05
phe.Fasting_rs112089881S8	ZFAND4	rs73619637	S8	NA	3.10E-07	1	0.000213828	1.50E-09	6.11E-02	3.41E-06
phe.Fasting_rs112089881S8	ZFAND4	rs77798597	S7	KPNA3	5.82E-07	1	0.000376379	5.96E-08	1.00E+00	9.00E-05
phe.Fasting_rs112089881S8	ZFAND4	rs78736524	S5	KPNA3	5.82E-07	1	0.000376379	6.03E-08	1.00E+00	9.08E-05
phe.Fasting_rs112089881S8	ZFAND4	rs79781495	S8	KPNA3	5.82E-07	1	0.000376379	5.96E-08	1.00E+00	9.00E-05
phe.Fasting_rs112089881S8	ZFAND4	rs80332465	S5	KPNA3	8.05E-07	1	0.000500772	6.21E-08	1.00E+00	9.34E-05
phe.Fasting_rs112089881S8	ZFAND4	rs80334773	S5	KPNA3	8.05E-07	1	0.000500772	6.21E-08	1.00E+00	9.34E-05
phe.Fasting_rs112089881S8	ZFAND4	rs8075478	S8	MYH10	2.35E-05	1	0.0095888	8.99E-08	1.00E+00	1.29E-04
phe.Fasting_rs112091318S5	TMEM64	rs112348319	S8	SPTLC1	1.41E-17	5.75E-10	1.14E-13	4.32E-06	1.00E+00	4.04E-03
phe.Fasting_rs112091318S5	TMEM64	rs112608164	S8	SPTLC1	1.41E-17	5.75E-10	1.14E-13	4.32E-06	1.00E+00	4.04E-03
phe.Fasting_rs112091318S5	TMEM64	rs115787552	S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.89E-15	2.40E-07	5.36E-11
phe.Fasting_rs112091318S5	TMEM64	rs115888477	S8	NA	1.42E-15	5.80E-08	4.09E-12	8.94E-16	3.64E-08	1.16E-11
phe.Fasting_rs112091318S5	TMEM64	rs116079984	S8	KPNA3	2.06E-16	8.43E-09	7.10E-13	7.16E-15	2.91E-07	6.38E-11
phe.Fasting_rs112091318S5	TMEM64	rs146815317	S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.89E-15	2.40E-07	5.36E-11
phe.Fasting_rs112091318S5	TMEM64	rs1470889	S5	ZC3H3	4.97E-08	1	4.07E-05	1.82E-07	1.00E+00	2.44E-04
phe.Fasting_rs112091318S5	TMEM64	rs1470890	S5	ZC3H3	4.97E-08	1	4.07E-05	1.82E-07	1.00E+00	2.44E-04

phe.Fasting_rs112091318S5	TMEM64	rs150117838S8	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.57E-15	2.27E-07	5.09E-11
phe.Fasting_rs112091318S5	TMEM64	rs2924507 S5	ZC3H3	4.97E-08	1	4.07E-05	1.82E-07	1.00E+00	2.44E-04
phe.Fasting_rs112091318S5	TMEM64	rs2924508 S8	ZC3H3	4.97E-08	1	4.07E-05	1.42E-09	5.78E-02	3.24E-06
phe.Fasting_rs112091318S5	TMEM64	rs2924511 S7	ZC3H3	4.97E-08	1	4.07E-05	1.87E-07	1.00E+00	2.49E-04
phe.Fasting_rs112091318S5	TMEM64	rs2924512 S7	ZC3H3	1.06E-07	1	8.02E-05	2.25E-07	1.00E+00	2.94E-04
phe.Fasting_rs112091318S5	TMEM64	rs2956376 S8	ZC3H3	4.97E-08	1	4.07E-05	1.25E-07	1.00E+00	1.73E-04
phe.Fasting_rs112091318S5	TMEM64	rs2980270 S7	ZC3H3	4.97E-08	1	4.07E-05	1.25E-07	1.00E+00	1.73E-04
phe.Fasting_rs112091318S5	TMEM64	rs2980272 S7	ZC3H3	1.06E-07	1	8.02E-05	2.38E-07	1.00E+00	3.08E-04
phe.Fasting_rs112091318S5	TMEM64	rs2980275 S5	ZC3H3	4.97E-08	1	4.07E-05	1.82E-07	1.00E+00	2.44E-04
phe.Fasting_rs112091318S5	TMEM64	rs366767 S5	ZC3H3	7.52E-08	1.00E+00	5.89E-05	1.40E-07	1.00E+00	1.92E-04
phe.Fasting_rs112091318S5	TMEM64	rs73283603 S7	ZWINT	8.87E-17	3.62E-09	3.84E-13	8.93E-09	3.63E-01	1.69E-05
phe.Fasting_rs112091318S5	TMEM64	rs73392640 S8	POLR3B	9.88E-17	4.04E-09	4.23E-13	4.48E-08	1.00E+00	6.95E-05
phe.Fasting_rs112091318S5	TMEM64	rs74701059 S24	C17orf102	6.46E-07	1	4.12E-04	2.38E-06	1.00E+00	2.40E-03
phe.Fasting_rs112091318S5	TMEM64	rs75758702 S24	NA	5.00E-18	2.04E-10	6.84E-14	6.31E-06	1.00E+00	5.56E-03
phe.Fasting_rs112091318S5	TMEM64	rs76542405 S5	SPTLC1	1.41E-17	5.75E-10	1.14E-13	4.32E-06	1.00E+00	4.04E-03
phe.Fasting_rs112091318S5	TMEM64	rs77523818 S7	SPTLC1	1.41E-17	5.75E-10	1.14E-13	4.32E-06	1.00E+00	4.04E-03
phe.Fasting_rs112091318S5	TMEM64	rs77798597 S7	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.57E-15	2.27E-07	5.09E-11
phe.Fasting_rs112091318S5	TMEM64	rs78736524 S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.89E-15	2.40E-07	5.36E-11
phe.Fasting_rs112091318S5	TMEM64	rs79703349 S24	C17orf102	6.46E-07	1	4.12E-04	3.02E-06	1.00E+00	2.94E-03
phe.Fasting_rs112091318S5	TMEM64	rs79781495 S8	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.57E-15	2.27E-07	5.09E-11
phe.Fasting_rs112091318S5	TMEM64	rs80332465 S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.99E-15	2.44E-07	5.45E-11
phe.Fasting_rs112091318S5	TMEM64	rs80334773 S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	5.99E-15	2.44E-07	5.45E-11
phe.Fasting_rs112091318S5	TMEM64	rs8075478 S8	MYH10	1.17E-17	4.79E-10	1.04E-13	1.43E-06	1.00E+00	1.56E-03
phe.Fasting_rs112348319S8	SPTLC1	rs114968018S21	NA	7.91E-14	3.23E-06	1.82E-10	1.22E-06	1.00E+00	1.35E-03
phe.Fasting_rs112348319S8	SPTLC1	rs115305957S23	NA	2.18E-06	1	1.21E-03	1.25E-11	5.08E-04	4.57E-08
phe.Fasting_rs112348319S8	SPTLC1	rs115787552S5	KPNA3	8.45E-06	1.00E+00	3.95E-03	1.44E-15	5.86E-08	1.61E-11
phe.Fasting_rs112348319S8	SPTLC1	rs116079984S8	KPNA3	8.45E-06	1.00E+00	3.95E-03	1.78E-15	7.24E-08	1.94E-11
phe.Fasting_rs112348319S8	SPTLC1	rs12581352 S2	NA	7.63E-18	3.12E-10	8.49E-14	2.07E-13	8.42E-06	1.15E-09
phe.Fasting_rs112348319S8	SPTLC1	rs140524622S7	MRPL10	4.51E-07	1.00E+00	2.98E-04	9.18E-09	3.74E-01	1.73E-05
phe.Fasting_rs112348319S8	SPTLC1	rs146815317S5	KPNA3	8.45E-06	1.00E+00	3.95E-03	1.44E-15	5.86E-08	1.61E-11
phe.Fasting_rs112348319S8	SPTLC1	rs150117838S8	KPNA3	8.45E-06	1.00E+00	3.95E-03	1.39E-15	5.68E-08	1.57E-11
phe.Fasting_rs112348319S8	SPTLC1	rs4820499 S10	PAC SIN2	3.11E-09	0.127003	3.16E-06	1.69E-09	6.89E-02	3.80E-06
phe.Fasting_rs112348319S8	SPTLC1	rs57503635 S3	NA	1.02E-06	1	0.00061519	3.81E-15	1.55E-07	3.60E-11
phe.Fasting_rs112348319S8	SPTLC1	rs7256517 S7	CYTH2	1.97E-13	8.05E-06	4.34E-10	8.09E-08	1.00E+00	1.17E-04
phe.Fasting_rs112348319S8	SPTLC1	rs73392640 S8	POLR3B	3.49E-07	1	0.000238236	2.52E-09	1.03E-01	5.42E-06
phe.Fasting_rs112348319S8	SPTLC1	rs73619637 S8	NA	6.45E-17	2.63E-09	2.97E-13	1.16E-08	4.71E-01	2.11E-05
phe.Fasting_rs112348319S8	SPTLC1	rs74701059 S24	C17orf102	2.09E-06	1	1.17E-03	1.43E-11	5.81E-04	5.16E-08
phe.Fasting_rs112348319S8	SPTLC1	rs74914207 S24	NA	3.96E-06	1	2.03E-03	5.67E-09	2.31E-01	1.11E-05
phe.Fasting_rs112348319S8	SPTLC1	rs7511534 S12	PAC SIN2	2.43E-09	0.0993832	2.51E-06	2.13E-09	8.67E-02	4.68E-06
phe.Fasting_rs112348319S8	SPTLC1	rs77798597 S7	KPNA3	8.45E-06	1	0.00394669	1.39E-15	5.68E-08	1.57E-11

phe.Fasting_rs112348319S8	SPTLC1	rs78736524 S5	KPNA3	8.45E-06	1	0.00394669	1.44E-15	5.86E-08	1.61E-11
phe.Fasting_rs112348319S8	SPTLC1	rs79703349 S24	C17orf102	2.09E-06	1	0.00116731	1.80E-11	7.34E-04	6.43E-08
phe.Fasting_rs112348319S8	SPTLC1	rs79781495 S8	KPNA3	8.45E-06	1	0.00394669	1.39E-15	5.68E-08	1.57E-11
phe.Fasting_rs112348319S8	SPTLC1	rs80332465 S5	KPNA3	1.20E-05	1	0.00535958	1.50E-15	6.12E-08	1.67E-11
phe.Fasting_rs112348319S8	SPTLC1	rs80334773 S5	KPNA3	1.20E-05	1	0.00535958	1.50E-15	6.12E-08	1.67E-11
phe.Fasting_rs112608164S8	SPTLC1	rs114968018S21	NA	7.91E-14	3.23E-06	1.82E-10	1.22E-06	1.00E+00	1.35E-03
phe.Fasting_rs112608164S8	SPTLC1	rs115305957S23	NA	2.18E-06	1	0.00120716	1.25E-11	5.08E-04	4.57E-08
phe.Fasting_rs112608164S8	SPTLC1	rs115787552S5	KPNA3	8.45E-06	1	0.00394669	1.44E-15	5.86E-08	1.61E-11
phe.Fasting_rs112608164S8	SPTLC1	rs116079984S8	KPNA3	8.45E-06	1	0.00394669	1.78E-15	7.24E-08	1.94E-11
phe.Fasting_rs112608164S8	SPTLC1	rs12581352 S2	NA	7.63E-18	3.12E-10	8.49E-14	2.07E-13	8.42E-06	1.15E-09
phe.Fasting_rs112608164S8	SPTLC1	rs140524622S7	MRPL10	4.51E-07	1	0.000298232	9.18E-09	3.74E-01	1.73E-05
phe.Fasting_rs112608164S8	SPTLC1	rs146815317S5	KPNA3	8.45E-06	1	0.00394669	1.44E-15	5.86E-08	1.61E-11
phe.Fasting_rs112608164S8	SPTLC1	rs150117838S8	KPNA3	8.45E-06	1	0.00394669	1.39E-15	5.68E-08	1.57E-11
phe.Fasting_rs112608164S8	SPTLC1	rs4820499 S10	PAC3IN2	3.11E-09	0.127003	3.16E-06	1.69E-09	6.89E-02	3.80E-06
phe.Fasting_rs112608164S8	SPTLC1	rs57503635 S3	NA	1.02E-06	1.00E+00	6.15E-04	3.81E-15	1.55E-07	3.60E-11
phe.Fasting_rs112608164S8	SPTLC1	rs7256517 S7	CYTH2	1.97E-13	8.05E-06	4.34E-10	8.09E-08	1.00E+00	1.17E-04
phe.Fasting_rs112608164S8	SPTLC1	rs73392640 S8	POLR3B	3.49E-07	1	0.000238236	2.52E-09	1.03E-01	5.42E-06
phe.Fasting_rs112608164S8	SPTLC1	rs73619637 S8	NA	6.45E-17	2.63E-09	2.97E-13	1.16E-08	4.71E-01	2.11E-05
phe.Fasting_rs112608164S8	SPTLC1	rs74701059 S24	C17orf102	2.09E-06	1	0.00116731	1.43E-11	5.81E-04	5.16E-08
phe.Fasting_rs112608164S8	SPTLC1	rs74914207 S24	NA	3.96E-06	1	0.002026	5.67E-09	2.31E-01	1.11E-05
phe.Fasting_rs112608164S8	SPTLC1	rs7511534 S12	PAC3IN2	2.43E-09	0.0993832	2.51E-06	2.13E-09	8.67E-02	4.68E-06
phe.Fasting_rs112608164S8	SPTLC1	rs77798597 S7	KPNA3	8.45E-06	1	0.00394669	1.39E-15	5.68E-08	1.57E-11
phe.Fasting_rs112608164S8	SPTLC1	rs78736524 S5	KPNA3	8.45E-06	1	0.00394669	1.44E-15	5.86E-08	1.61E-11
phe.Fasting_rs112608164S8	SPTLC1	rs79703349 S24	C17orf102	2.09E-06	1.00E+00	1.17E-03	1.80E-11	7.34E-04	6.43E-08
phe.Fasting_rs112608164S8	SPTLC1	rs79781495 S8	KPNA3	8.45E-06	1.00E+00	3.95E-03	1.39E-15	5.68E-08	1.57E-11
phe.Fasting_rs112608164S8	SPTLC1	rs80332465 S5	KPNA3	1.20E-05	1.00E+00	5.36E-03	1.50E-15	6.12E-08	1.67E-11
phe.Fasting_rs112608164S8	SPTLC1	rs80334773 S5	KPNA3	1.20E-05	1	0.00535958	1.50E-15	6.12E-08	1.67E-11
phe.Fasting_rs112940854S5	MYO1B	rs112027720S7	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_rs112940854S5	MYO1B	rs112089881S8	ZFAND4	2.72E-17	1.11E-09	1.64E-13	3.02E-08	1.00E+00	4.91E-05
phe.Fasting_rs112940854S5	MYO1B	rs113219478S7	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_rs112940854S5	MYO1B	rs113357907S24	ISL1	9.16E-17	3.74E-09	3.95E-13	1.29E-14	5.26E-07	1.10E-10
phe.Fasting_rs112940854S5	MYO1B	rs114565620S8	RCL1	3.95E-16	1.61E-08	1.28E-12	1.01E-05	1.00E+00	8.25E-03
phe.Fasting_rs112940854S5	MYO1B	rs115787552S5	KPNA3	3.32E-15	1.36E-07	9.02E-12	4.30E-06	1.00E+00	4.02E-03
phe.Fasting_rs112940854S5	MYO1B	rs115888477S8	NA	2.14E-14	8.74E-07	5.29E-11	1.06E-06	1.00E+00	1.19E-03
phe.Fasting_rs112940854S5	MYO1B	rs116011837S9	BRD2	4.92E-11	2.01E-03	6.66E-08	5.12E-09	2.09E-01	1.01E-05
phe.Fasting_rs112940854S5	MYO1B	rs116079984S8	KPNA3	3.32E-15	1.36E-07	9.02E-12	5.38E-06	1.00E+00	4.87E-03
phe.Fasting_rs112940854S5	MYO1B	rs116120727S9	BRD2	4.92E-11	2.01E-03	6.66E-08	5.12E-09	2.09E-01	1.01E-05
phe.Fasting_rs112940854S5	MYO1B	rs116279995S20	"PCDHGA4,Pi	4.63E-06	1.00E+00	2.33E-03	9.97E-12	4.06E-04	3.69E-08
phe.Fasting_rs112940854S5	MYO1B	rs12488988 S6	PHC3	7.51E-07	1	4.70E-04	6.32E-11	2.57E-03	2.00E-07
phe.Fasting_rs112940854S5	MYO1B	rs12492606 S8	PHC3	7.51E-07	1.00E+00	4.70E-04	6.19E-11	2.52E-03	1.97E-07

phe.Fasting_	rs112940854 S5	MYO1B	rs13400525 S8	MFF	1.15E-15	4.69E-08	3.37E-12	2.01E-10	8.18E-03	5.71E-07
phe.Fasting_	rs112940854 S5	MYO1B	rs138090701 S5	HDAC3	7.07E-08	1.00E+00	5.59E-05	2.23E-11	9.09E-04	7.78E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs138136869 S7	DIAPH1	1.25E-07	1.00E+00	9.30E-05	5.32E-12	2.16E-04	2.09E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs138457103 S10	DIAPH1	2.67E-07	1.00E+00	1.86E-04	2.24E-11	9.10E-04	7.80E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs138487229 S11	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs138738950 S8	"PCDHGB2,PI	3.87E-07	1.00E+00	2.62E-04	2.09E-11	8.52E-04	7.37E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs139297927 S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs139337303 S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs139403963 S8	DIAPH1	1.25E-07	1.00E+00	9.30E-05	5.32E-12	2.16E-04	2.09E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs139621309 S18	"LOC1005056	3.87E-07	1	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs139828110 S8	DIAPH1	1.25E-07	1	9.30E-05	5.32E-12	2.16E-04	2.09E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs140070363 S8	DIAPH1	3.87E-07	1	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs140524622 S7	MRPL10	1.27E-16	5.21E-09	5.18E-13	3.29E-08	1.00E+00	5.26E-05
phe.Fasting_	rs112940854 S5	MYO1B	rs140644750 S13	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs141022544 S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs141525984 S5	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs141692339 S3	"PCDHGA6,PI	5.05E-06	1.00E+00	2.51E-03	1.43E-11	5.81E-04	5.16E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs141926074 S8	ATE1	1.60E-17	6.51E-10	1.22E-13	1.23E-11	5.02E-04	4.52E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs142480565 S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs142718558 S7	"DIAPH1,LOC	3.87E-07	1	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs142789100 S8	DIAPH1	1.25E-07	1	9.30E-05	5.32E-12	2.16E-04	2.09E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs142812798 S7	DIAPH1	1.25E-07	1	9.30E-05	5.32E-12	2.16E-04	2.09E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs143377827 S13	"DIAPH1,LOC	1.07E-07	1	8.10E-05	4.01E-12	1.63E-04	1.65E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs143691978 S11	DIAPH1	1.25E-07	1	9.30E-05	5.68E-12	2.31E-04	2.22E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs144081334 S11	DIAPH1	1.25E-07	1	9.30E-05	5.68E-12	2.31E-04	2.22E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs144613910 S8	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs145027704 S11	DIAPH1	1.25E-07	1.00E+00	9.30E-05	5.68E-12	2.31E-04	2.22E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs146220673 S7	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs146622060 S13	DIAPH1	1.25E-07	1.00E+00	9.30E-05	5.68E-12	2.31E-04	2.22E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs146815317 S5	KPNA3	3.32E-15	1.36E-07	9.02E-12	4.30E-06	1.00E+00	4.02E-03
phe.Fasting_	rs112940854 S5	MYO1B	rs146878162 S7	DIAPH1	3.87E-07	1	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs147314451 S8	DIAPH1	3.87E-07	1	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs147417996 S7	DIAPH1	1.25E-07	1	9.30E-05	5.68E-12	2.31E-04	2.22E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs147506725 S21	"PCDHGA1,PI	4.63E-06	1	0.00232586	9.97E-12	4.06E-04	3.69E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs147646948 S7	"LOC1005056	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs147677041 S8	DIAPH1	1.25E-07	1.00E+00	9.30E-05	5.32E-12	2.16E-04	2.09E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs148116628 S7	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs148423011 S7	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs149019627 S8	DIAPH1	1.25E-07	1	9.30E-05	5.32E-12	2.16E-04	2.09E-08
phe.Fasting_	rs112940854 S5	MYO1B	rs149075406 S8	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08

phe.Fasting_	rs112940854	S5	MYO1B	rs149334783	S8	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs149553852	S21	"PCDHGA10,	4.63E-06	1	0.00232586	9.97E-12	4.06E-04	3.69E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs149716949	S5	DIAPH1	5.22E-08	1	4.26E-05	2.22E-12	9.04E-05	9.59E-09
phe.Fasting_	rs112940854	S5	MYO1B	rs149791570	S5	DIAPH1	1.25E-07	1	9.30E-05	5.32E-12	2.16E-04	2.09E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs150117838	S8	KPNA3	3.32E-15	1.36E-07	9.02E-12	4.29E-06	1.00E+00	4.01E-03
phe.Fasting_	rs112940854	S5	MYO1B	rs150452206	S13	"DIAPH1,LOC	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs150675915	S7	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs150765570	S7	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs150992994	S11	"PCDHGA5,Pi	4.05E-07	1	0.000271703	2.00E-11	8.14E-04	7.09E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs151204700	S8	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs151330468	S8	DIAPH1	1.25E-07	1	9.30E-05	5.68E-12	2.31E-04	2.22E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs16854875	S2	NA	5.88E-07	1	0.000379667	5.96E-08	1.00E+00	9.00E-05
phe.Fasting_	rs112940854	S5	MYO1B	rs17236830	S6	PHC3	1.28E-06	1	0.000757024	7.99E-11	3.25E-03	2.49E-07
phe.Fasting_	rs112940854	S5	MYO1B	rs180772028	S8	"DIAPH1,LOC	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs181224861	S7	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs181247960	S21	"PCDHGA9,Pi	4.63E-06	1	0.00232586	9.97E-12	4.06E-04	3.69E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs181824655	S21	"PCDHGB6,Pi	4.63E-06	1	0.00232586	9.97E-12	4.06E-04	3.69E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs182714699	S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs182958142	S8	DIAPH1	6.31E-07	1	0.000403696	2.06E-12	8.40E-05	8.98E-09
phe.Fasting_	rs112940854	S5	MYO1B	rs182965141	S8	DIAPH1	1.36E-07	1	0.000100007	1.58E-09	6.44E-02	3.58E-06
phe.Fasting_	rs112940854	S5	MYO1B	rs183597049	S7	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs183980988	S2	NA	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs184233232	S7	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs184509477	S13	"PCDHGB4,Pi	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs185069296	S15	"LOC100505	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs185502834	S8	DIAPH1	1.25E-07	1	9.30E-05	5.32E-12	2.16E-04	2.09E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs185759881	S7	DIAPH1	3.87E-07	1	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs186288044	S21	"PCDHGB4,Pi	4.63E-06	1.00E+00	2.33E-03	9.97E-12	4.06E-04	3.69E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs187000011	S11	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs188981295	S5	"RPS27AP10,	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs190559574	S7	DIAPH1	1.25E-07	1.00E+00	9.30E-05	5.32E-12	2.16E-04	2.09E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs191544043	S8	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs191766712	S7	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs192690040	S7	DIAPH1	3.87E-07	1	0.000261569	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs192765219	S7	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs192770525	S7	DIAPH1	3.87E-07	1.00E+00	2.62E-04	2.08E-11	8.49E-04	7.34E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs2241292	S8	GPR160	7.71E-07	1.00E+00	4.81E-04	1.00E-10	4.08E-03	3.06E-07
phe.Fasting_	rs112940854	S5	MYO1B	rs35990401	S7	DIAPH1	4.16E-07	1	2.78E-04	7.14E-12	2.91E-04	2.74E-08
phe.Fasting_	rs112940854	S5	MYO1B	rs3772186	S6	PHC3	7.51E-07	1	4.70E-04	6.19E-11	2.52E-03	1.97E-07
phe.Fasting_	rs112940854	S5	MYO1B	rs55900860	S7	DIAPH1	1.25E-07	1	9.30E-05	5.32E-12	2.16E-04	2.09E-08

phe.Fasting_rs112940854S5	MYO1B	rs57287019	S5	CLCN3	3.46E-11	0.00141227	4.84E-08	1.15E-05	1.00E+00	9.11E-03
phe.Fasting_rs112940854S5	MYO1B	rs57503635	S3	NA	5.73E-07	1	0.000371124	2.25E-06	1.00E+00	2.29E-03
phe.Fasting_rs112940854S5	MYO1B	rs58417766	S7	PHC3	7.51E-07	1	0.000470352	6.19E-11	2.52E-03	1.97E-07
phe.Fasting_rs112940854S5	MYO1B	rs6763396	S5	PHC3	8.07E-07	1	0.000501984	6.36E-11	2.59E-03	2.01E-07
phe.Fasting_rs112940854S5	MYO1B	rs6781454	S8	PHC3	7.65E-07	1	0.000478609	6.30E-11	2.56E-03	2.00E-07
phe.Fasting_rs112940854S5	MYO1B	rs6786022	S8	PHC3	1.23E-06	1	0.000729317	7.72E-11	3.14E-03	2.41E-07
phe.Fasting_rs112940854S5	MYO1B	rs6808506	S7	PHC3	7.51E-07	1	0.000470352	6.19E-11	2.52E-03	1.97E-07
phe.Fasting_rs112940854S5	MYO1B	rs6881310	S23	ISL1	5.93E-16	2.42E-08	1.84E-12	5.44E-12	2.21E-04	2.14E-08
phe.Fasting_rs112940854S5	MYO1B	rs7256517	S7	CYTH2	1.84E-05	1.00E+00	7.75E-03	4.01E-06	1.00E+00	3.78E-03
phe.Fasting_rs112940854S5	MYO1B	rs73619637	S8	NA	8.20E-07	1.00E+00	5.08E-04	2.37E-15	9.64E-08	2.33E-11
phe.Fasting_rs112940854S5	MYO1B	rs73879173	S8	PHC3	7.51E-07	1.00E+00	4.70E-04	6.19E-11	2.52E-03	1.97E-07
phe.Fasting_rs112940854S5	MYO1B	rs73879178	S10	PHC3	1.23E-06	1.00E+00	7.29E-04	7.72E-11	3.14E-03	2.41E-07
phe.Fasting_rs112940854S5	MYO1B	rs73879182	S6	PHC3	7.51E-07	1.00E+00	4.70E-04	6.19E-11	2.52E-03	1.97E-07
phe.Fasting_rs112940854S5	MYO1B	rs74627895	S8	TMEM64	7.39E-08	1.00E+00	5.81E-05	1.27E-05	1.00E+00	9.83E-03
phe.Fasting_rs112940854S5	MYO1B	rs75350765	S5	RCL1	3.95E-16	1.61E-08	1.28E-12	1.01E-05	1.00E+00	8.25E-03
phe.Fasting_rs112940854S5	MYO1B	rs75758702	S24	NA	7.83E-17	3.20E-09	3.47E-13	1.29E-11	5.25E-04	4.72E-08
phe.Fasting_rs112940854S5	MYO1B	rs76146702	S5	PHC3	8.11E-07	1.00E+00	5.04E-04	3.45E-11	1.40E-03	1.15E-07
phe.Fasting_rs112940854S5	MYO1B	rs7615039	S8	PHC3	6.80E-07	1.00E+00	4.32E-04	9.63E-11	3.92E-03	2.95E-07
phe.Fasting_rs112940854S5	MYO1B	rs7638400	S7	PHC3	7.51E-07	1.00E+00	4.70E-04	6.19E-11	2.52E-03	1.97E-07
phe.Fasting_rs112940854S5	MYO1B	rs76737663	S1	LOC654841	1.29E-15	5.25E-08	3.74E-12	2.23E-09	9.08E-02	4.87E-06
phe.Fasting_rs112940854S5	MYO1B	rs77444916	S23	LOC642366	2.06E-16	8.39E-09	7.10E-13	1.23E-14	5.00E-07	1.05E-10
phe.Fasting_rs112940854S5	MYO1B	rs77798597	S7	KPNA3	3.32E-15	1.36E-07	9.02E-12	4.29E-06	1.00E+00	4.01E-03
phe.Fasting_rs112940854S5	MYO1B	rs78516788	S8	SLC38A1	6.09E-06	1.00E+00	2.96E-03	1.58E-15	6.43E-08	1.76E-11
phe.Fasting_rs112940854S5	MYO1B	rs78736524	S5	KPNA3	3.32E-15	1.36E-07	9.02E-12	4.30E-06	1.00E+00	4.02E-03
phe.Fasting_rs112940854S5	MYO1B	rs79389383	S8	PHC3	7.65E-07	1.00E+00	4.79E-04	6.30E-11	2.56E-03	2.00E-07
phe.Fasting_rs112940854S5	MYO1B	rs79517926	S15	"DIAPH1,LOC	1.64E-07	1.00E+00	1.18E-04	1.72E-12	6.99E-05	7.56E-09
phe.Fasting_rs112940854S5	MYO1B	rs79518241	S6	PHC3	7.51E-07	1	4.70E-04	6.19E-11	2.52E-03	1.97E-07
phe.Fasting_rs112940854S5	MYO1B	rs79781495	S8	KPNA3	3.32E-15	1.36E-07	9.02E-12	4.29E-06	1.00E+00	4.01E-03
phe.Fasting_rs112940854S5	MYO1B	rs80258830	S24	LOC642366	2.06E-16	8.39E-09	7.10E-13	1.23E-14	5.00E-07	1.05E-10
phe.Fasting_rs112940854S5	MYO1B	rs80332465	S5	KPNA3	3.53E-15	1.44E-07	9.50E-12	4.45E-06	1.00E+00	4.14E-03
phe.Fasting_rs112940854S5	MYO1B	rs80334773	S5	KPNA3	3.53E-15	1.44E-07	9.50E-12	4.45E-06	1.00E+00	4.14E-03
phe.Fasting_rs113219478S7	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs113219478S7	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.45E-02	2.58E-06
phe.Fasting_rs113219478S7	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1.00E+00	6.13E-05
phe.Fasting_rs113219478S7	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs113219478S7	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs113219478S7	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs113219478S7	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs113219478S7	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1.00E+00	6.69E-03
phe.Fasting_rs113219478S7	DIAPH1	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05

phe.Fasting_	rs113219478 S7	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs113219478 S7	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs113219478 S7	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs113219478 S7	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs113219478 S7	DIAPH1	rs116120727 S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs113219478 S7	DIAPH1	rs116406581 S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_	rs113219478 S7	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_	rs113219478 S7	DIAPH1	rs116696844 S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs113219478 S7	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_	rs113219478 S7	DIAPH1	rs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1.00E+00	6.31E-03
phe.Fasting_	rs113219478 S7	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs113219478 S7	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs113219478 S7	DIAPH1	rs150916187 S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_	rs113219478 S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs113219478 S7	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1.00E+00	7.14E-03
phe.Fasting_	rs113219478 S7	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_	rs113219478 S7	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1.00E+00	7.57E-03
phe.Fasting_	rs113219478 S7	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	5.46E-03	1.03E-08	4.19E-01	1.90E-05
phe.Fasting_	rs113219478 S7	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1.00E+00	7.10E-03
phe.Fasting_	rs113219478 S7	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1	9.35E-03	8.76E-06	1.00E+00	7.32E-03
phe.Fasting_	rs113219478 S7	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1.00E+00	7.93E-03
phe.Fasting_	rs113219478 S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs113219478 S7	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1.00E+00	8.01E-03
phe.Fasting_	rs113219478 S7	DIAPH1	rs60011869 S16	NA	1.04E-05	1	4.72E-03	8.16E-10	3.32E-02	1.98E-06
phe.Fasting_	rs113219478 S7	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1.00E+00	7.43E-03
phe.Fasting_	rs113219478 S7	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1.00E+00	3.04E-04
phe.Fasting_	rs113219478 S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	1.96E-04	1.91E-08
phe.Fasting_	rs113219478 S7	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1.00E+00	2.68E-04
phe.Fasting_	rs113219478 S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	2.11E-03	1.67E-07
phe.Fasting_	rs113219478 S7	DIAPH1	rs734069 S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	2.73E-02	1.68E-06
phe.Fasting_	rs113219478 S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	8.34E-03	5.78E-07
phe.Fasting_	rs113219478 S7	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1	4.60E-04	2.03E-08	8.28E-01	3.48E-05
phe.Fasting_	rs113219478 S7	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	3.71E-03	2.80E-07
phe.Fasting_	rs113219478 S7	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_	rs113219478 S7	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_	rs113219478 S7	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	4.50E-01	2.03E-05
phe.Fasting_	rs113219478 S7	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	6.38E-03	4.59E-07
phe.Fasting_	rs113219478 S7	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_	rs113219478 S7	DIAPH1	rs75949566 S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	3.45E-03	2.62E-07
phe.Fasting_	rs113219478 S7	DIAPH1	rs76844308 S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1.00E+00	1.35E-04

phe.Fasting_	rs113219478S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	3.76E-04	3.44E-08
phe.Fasting_	rs113219478S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs113219478S7	DIAPH1	rs77845645	S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	1.71E-03	1.38E-07
phe.Fasting_	rs113219478S7	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs113219478S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	9.93E-03	6.74E-07
phe.Fasting_	rs113219478S7	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	2.78E-02	1.70E-06
phe.Fasting_	rs113219478S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1.00E+00	1.48E-04
phe.Fasting_	rs113219478S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs113219478S7	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_	rs113219478S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs113219478S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1.00E+00	5.59E-04
phe.Fasting_	rs113219478S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.48E-01	7.55E-06
phe.Fasting_	rs113219478S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs113219478S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs113357907S24	ISL1	rs111576333	S5	TMEM64	1.53E-17	6.25E-10	1.19E-13	7.14E-15	2.91E-07	6.37E-11
phe.Fasting_	rs113357907S24	ISL1	rs112027720	S7	DIAPH1	2.93E-06	1	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907S24	ISL1	rs112089881	S8	ZFAND4	2.87E-08	1	2.46E-05	3.17E-16	1.29E-08	1.05E-11
phe.Fasting_	rs113357907S24	ISL1	rs112091318	S5	TMEM64	4.64E-18	1.89E-10	6.53E-14	8.48E-15	3.45E-07	7.46E-11
phe.Fasting_	rs113357907S24	ISL1	rs113219478	S7	DIAPH1	2.93E-06	1	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907S24	ISL1	rs113568654	S12	SPTLC1	5.91E-08	1	4.76E-05	1.54E-13	6.25E-06	8.72E-10
phe.Fasting_	rs113357907S24	ISL1	rs114334325	S7	AP3M2	5.53E-12	0.000225777	9.75E-09	5.21E-15	2.12E-07	4.77E-11
phe.Fasting_	rs113357907S24	ISL1	rs114394395	S7	AP3M2	5.76E-12	2.35E-04	1.01E-08	5.21E-15	2.12E-07	4.77E-11
phe.Fasting_	rs113357907S24	ISL1	rs114565620	S8	RCL1	7.60E-18	3.10E-10	8.48E-14	5.79E-15	2.36E-07	5.27E-11
phe.Fasting_	rs113357907S24	ISL1	rs115083290	S19	NA	7.33E-07	1	0.000460091	8.92E-16	3.63E-08	1.16E-11
phe.Fasting_	rs113357907S24	ISL1	rs115305957	S23	NA	6.19E-18	2.53E-10	7.56E-14	3.34E-15	1.36E-07	3.20E-11
phe.Fasting_	rs113357907S24	ISL1	rs115752779	S19	NA	7.33E-07	1	0.000460091	8.92E-16	3.63E-08	1.16E-11
phe.Fasting_	rs113357907S24	ISL1	rs115787552	S5	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.26E-14	1.33E-06	2.39E-10
phe.Fasting_	rs113357907S24	ISL1	rs115888477	S8	NA	5.08E-16	2.08E-08	1.60E-12	5.65E-15	2.30E-07	5.16E-11
phe.Fasting_	rs113357907S24	ISL1	rs116011837	S9	BRD2	9.34E-18	3.81E-10	9.31E-14	3.16E-13	1.29E-05	1.73E-09
phe.Fasting_	rs113357907S24	ISL1	rs116079984	S8	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.69E-14	1.50E-06	2.65E-10
phe.Fasting_	rs113357907S24	ISL1	rs116120727	S9	BRD2	9.34E-18	3.81E-10	9.31E-14	3.16E-13	1.29E-05	1.73E-09
phe.Fasting_	rs113357907S24	ISL1	rs116279995	S20	"PCDHGA4, P	3.91E-07	1.00E+00	2.64E-04	5.50E-14	2.24E-06	3.79E-10
phe.Fasting_	rs113357907S24	ISL1	rs116406581	S2	NA	2.35E-11	9.58E-04	3.42E-08	4.16E-15	1.69E-07	3.88E-11
phe.Fasting_	rs113357907S24	ISL1	rs116548615	S8	TMEM45B	7.87E-18	3.21E-10	8.51E-14	7.19E-09	2.92E-01	1.38E-05
phe.Fasting_	rs113357907S24	ISL1	rs116696844	S3	AP3M2	1.27E-11	0.000516614	1.97E-08	5.21E-15	2.12E-07	4.77E-11
phe.Fasting_	rs113357907S24	ISL1	rs11989304	S4	TMEM64	1.53E-17	6.25E-10	1.19E-13	6.84E-15	2.78E-07	6.11E-11
phe.Fasting_	rs113357907S24	ISL1	rs13353823	S8	MAST4	1.27E-07	1.00E+00	9.47E-05	7.01E-09	2.85E-01	1.35E-05
phe.Fasting_	rs113357907S24	ISL1	rs138090701	S5	HDAC3	4.17E-07	1.00E+00	2.79E-04	1.22E-13	4.98E-06	7.30E-10
phe.Fasting_	rs113357907S24	ISL1	rs138136869	S7	DIAPH1	6.63E-07	1.00E+00	4.22E-04	3.67E-14	1.49E-06	2.64E-10
phe.Fasting_	rs113357907S24	ISL1	rs138457103	S10	DIAPH1	1.71E-06	1.00E+00	9.75E-04	1.31E-13	5.31E-06	7.62E-10



phe.Fasting_	rs113357907 S24	ISL1	rs138487229 S11	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs138738950 S8	"PCDHGB2,Pi	2.93E-06	1.00E+00	1.55E-03	1.38E-13	5.62E-06	7.93E-10
phe.Fasting_	rs113357907 S24	ISL1	rs139297927 S8	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs139337303 S8	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs139403963 S8	DIAPH1	6.63E-07	1.00E+00	4.22E-04	3.67E-14	1.49E-06	2.64E-10
phe.Fasting_	rs113357907 S24	ISL1	rs139621309 S18	"LOC1005056	2.93E-06	1	0.001548	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs139828110 S8	DIAPH1	6.63E-07	1	0.00042181	3.67E-14	1.49E-06	2.64E-10
phe.Fasting_	rs113357907 S24	ISL1	rs140070363 S8	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs140524622 S7	MRPL10	1.76E-07	1.00E+00	1.27E-04	6.08E-15	2.47E-07	5.51E-11
phe.Fasting_	rs113357907 S24	ISL1	rs140644750 S13	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs141022544 S8	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs141525984 S5	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs141692339 S3	"PCDHGA6,Pi	4.92E-07	1.00E+00	3.23E-04	7.54E-14	3.07E-06	5.05E-10
phe.Fasting_	rs113357907 S24	ISL1	rs141926074 S8	ATE1	2.19E-18	8.94E-11	4.33E-14	8.91E-14	3.63E-06	5.94E-10
phe.Fasting_	rs113357907 S24	ISL1	rs142480565 S8	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs142718558 S7	"DIAPH1,LOC	2.93E-06	1	0.001548	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs142789100 S8	DIAPH1	6.63E-07	1	0.00042181	3.67E-14	1.49E-06	2.64E-10
phe.Fasting_	rs113357907 S24	ISL1	rs142812798 S7	DIAPH1	6.63E-07	1.00E+00	4.22E-04	3.67E-14	1.49E-06	2.64E-10
phe.Fasting_	rs113357907 S24	ISL1	rs143377827 S13	"DIAPH1,LOC	6.95E-07	1.00E+00	4.40E-04	2.99E-14	1.22E-06	2.23E-10
phe.Fasting_	rs113357907 S24	ISL1	rs143691978 S11	DIAPH1	6.63E-07	1.00E+00	4.22E-04	4.02E-14	1.64E-06	2.85E-10
phe.Fasting_	rs113357907 S24	ISL1	rs144081334 S11	DIAPH1	6.63E-07	1.00E+00	4.22E-04	4.02E-14	1.64E-06	2.85E-10
phe.Fasting_	rs113357907 S24	ISL1	rs144613910 S8	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs145027704 S11	DIAPH1	6.63E-07	1.00E+00	4.22E-04	4.02E-14	1.64E-06	2.85E-10
phe.Fasting_	rs113357907 S24	ISL1	rs146220673 S7	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs146622060 S13	DIAPH1	6.63E-07	1.00E+00	4.22E-04	4.02E-14	1.64E-06	2.85E-10
phe.Fasting_	rs113357907 S24	ISL1	rs146815317 S5	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.26E-14	1.33E-06	2.39E-10
phe.Fasting_	rs113357907 S24	ISL1	rs146878162 S7	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs1470889 S5	ZC3H3	9.88E-19	4.04E-11	2.92E-14	2.34E-13	9.52E-06	1.29E-09
phe.Fasting_	rs113357907 S24	ISL1	rs1470890 S5	ZC3H3	9.88E-19	4.04E-11	2.92E-14	2.34E-13	9.52E-06	1.29E-09
phe.Fasting_	rs113357907 S24	ISL1	rs147314451 S8	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs147417996 S7	DIAPH1	6.63E-07	1.00E+00	4.22E-04	4.02E-14	1.64E-06	2.85E-10
phe.Fasting_	rs113357907 S24	ISL1	rs147506725 S21	"PCDHGA1,Pi	3.91E-07	1.00E+00	2.64E-04	5.50E-14	2.24E-06	3.79E-10
phe.Fasting_	rs113357907 S24	ISL1	rs147646948 S7	"LOC1005056	2.93E-06	1	0.001548	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs147677041 S8	DIAPH1	6.63E-07	1	0.00042181	3.67E-14	1.49E-06	2.64E-10
phe.Fasting_	rs113357907 S24	ISL1	rs148116628 S7	DIAPH1	2.93E-06	1	0.001548	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs148423011 S7	DIAPH1	2.93E-06	1	0.001548	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs149019627 S8	DIAPH1	6.63E-07	1	0.00042181	3.67E-14	1.49E-06	2.64E-10
phe.Fasting_	rs113357907 S24	ISL1	rs149075406 S8	DIAPH1	2.93E-06	1	0.001548	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs149334783 S8	DIAPH1	2.93E-06	1	0.001548	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_	rs113357907 S24	ISL1	rs149553852 S21	"PCDHGA10,	3.91E-07	1	0.000263579	5.50E-14	2.24E-06	3.79E-10

phe.Fasting_rs113357907 S24	ISL1	rs149716949 S5	DIAPH1	3.79E-07	1	0.000257237	1.71E-14	6.95E-07	1.41E-10
phe.Fasting_rs113357907 S24	ISL1	rs149791570 S5	DIAPH1	6.63E-07	1	0.00042181	3.67E-14	1.49E-06	2.64E-10
phe.Fasting_rs113357907 S24	ISL1	rs150117838 S8	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.04E-14	1.24E-06	2.27E-10
phe.Fasting_rs113357907 S24	ISL1	rs150452206 S13	"DIAPH1,LOC	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs150675915 S7	DIAPH1	2.93E-06	1	0.001548	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs150765570 S7	DIAPH1	2.93E-06	1	0.001548	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs150916187 S4	HIST1H2BK	2.33E-07	1	0.000163703	6.36E-15	2.59E-07	5.75E-11
phe.Fasting_rs113357907 S24	ISL1	rs150992994 S11	"PCDHGA5,PI	2.95E-06	1.00E+00	1.56E-03	1.30E-13	5.28E-06	7.59E-10
phe.Fasting_rs113357907 S24	ISL1	rs151204700 S8	DIAPH1	2.93E-06	1	0.001548	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs151330468 S8	DIAPH1	6.63E-07	1	0.00042181	4.02E-14	1.64E-06	2.85E-10
phe.Fasting_rs113357907 S24	ISL1	rs16894241 S4	HIST1H2BK	4.15E-07	1	0.0002778	1.05E-14	4.28E-07	9.12E-11
phe.Fasting_rs113357907 S24	ISL1	rs17494290 S5	CDH2	1.20E-19	4.91E-12	2.23E-14	2.40E-12	9.78E-05	1.03E-08
phe.Fasting_rs113357907 S24	ISL1	rs180772028 S8	"DIAPH1,LOC	2.93E-06	1	0.001548	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs181224861 S7	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs181247960 S21	"PCDHGA9,PI	3.91E-07	1.00E+00	2.64E-04	5.50E-14	2.24E-06	3.79E-10
phe.Fasting_rs113357907 S24	ISL1	rs181824655 S21	"PCDHGB6,PI	3.91E-07	1.00E+00	2.64E-04	5.50E-14	2.24E-06	3.79E-10
phe.Fasting_rs113357907 S24	ISL1	rs182714699 S8	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs182958142 S8	DIAPH1	1.57E-06	1.00E+00	9.08E-04	1.34E-14	5.44E-07	1.14E-10
phe.Fasting_rs113357907 S24	ISL1	rs182965141 S8	DIAPH1	7.30E-07	1.00E+00	4.59E-04	9.41E-15	3.83E-07	8.18E-11
phe.Fasting_rs113357907 S24	ISL1	rs183597049 S7	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs183980988 S2	NA	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs184233232 S7	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs184509477 S13	"PCDHGB4,PI	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs185069296 S15	"LOC1005056	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs185502834 S8	DIAPH1	6.63E-07	1.00E+00	4.22E-04	3.67E-14	1.49E-06	2.64E-10
phe.Fasting_rs113357907 S24	ISL1	rs185759881 S7	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs186288044 S21	"PCDHGB4,PI	3.91E-07	1.00E+00	2.64E-04	5.50E-14	2.24E-06	3.79E-10
phe.Fasting_rs113357907 S24	ISL1	rs187000011 S11	DIAPH1	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs188981295 S5	"RPS27AP10,	2.93E-06	1.00E+00	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs190559574 S7	DIAPH1	6.63E-07	1	4.22E-04	3.67E-14	1.49E-06	2.64E-10
phe.Fasting_rs113357907 S24	ISL1	rs191544043 S8	DIAPH1	2.93E-06	1	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs191766712 S7	DIAPH1	2.93E-06	1	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs192690040 S7	DIAPH1	2.93E-06	1	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs192765219 S7	DIAPH1	2.93E-06	1	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs192770525 S7	DIAPH1	2.93E-06	1	1.55E-03	1.36E-13	5.54E-06	7.87E-10
phe.Fasting_rs113357907 S24	ISL1	rs2285645 S7	MTMR3	4.84E-08	1	3.98E-05	5.24E-14	2.13E-06	3.61E-10
phe.Fasting_rs113357907 S24	ISL1	rs2924507 S5	ZC3H3	9.88E-19	4.04E-11	2.92E-14	2.34E-13	9.52E-06	1.29E-09
phe.Fasting_rs113357907 S24	ISL1	rs2924508 S8	ZC3H3	9.88E-19	4.04E-11	2.92E-14	3.32E-13	1.35E-05	1.80E-09
phe.Fasting_rs113357907 S24	ISL1	rs2924511 S7	ZC3H3	9.88E-19	4.04E-11	2.92E-14	2.10E-13	8.55E-06	1.17E-09
phe.Fasting_rs113357907 S24	ISL1	rs2924512 S7	ZC3H3	1.14E-18	4.67E-11	3.11E-14	2.44E-13	9.92E-06	1.34E-09

phe.Fasting_rs113357907 S24	ISL1	rs2956376	S8	ZC3H3	9.88E-19	4.04E-11	2.92E-14	1.42E-13	5.79E-06	8.10E-10
phe.Fasting_rs113357907 S24	ISL1	rs2980270	S7	ZC3H3	9.88E-19	4.04E-11	2.92E-14	1.42E-13	5.79E-06	8.10E-10
phe.Fasting_rs113357907 S24	ISL1	rs2980272	S7	ZC3H3	1.14E-18	4.67E-11	3.11E-14	2.69E-13	1.09E-05	1.48E-09
phe.Fasting_rs113357907 S24	ISL1	rs2980275	S5	ZC3H3	9.88E-19	4.04E-11	2.92E-14	2.34E-13	9.52E-06	1.29E-09
phe.Fasting_rs113357907 S24	ISL1	rs35990401	S7	DIAPH1	2.47E-06	1.00E+00	1.34E-03	5.36E-14	2.18E-06	3.69E-10
phe.Fasting_rs113357907 S24	ISL1	rs366767	S5	ZC3H3	1.45E-18	5.92E-11	3.49E-14	1.59E-13	6.46E-06	9.00E-10
phe.Fasting_rs113357907 S24	ISL1	rs4732511	S13	POR	5.87E-19	2.40E-11	2.55E-14	2.22E-06	1.00E+00	2.27E-03
phe.Fasting_rs113357907 S24	ISL1	rs55900860	S7	DIAPH1	6.63E-07	1	4.22E-04	3.67E-14	1.49E-06	2.64E-10
phe.Fasting_rs113357907 S24	ISL1	rs57503635	S3	NA	3.56E-17	1.46E-09	1.95E-13	1.31E-14	5.34E-07	1.12E-10
phe.Fasting_rs113357907 S24	ISL1	rs60011869	S16	NA	2.46E-07	1	1.72E-04	5.36E-15	2.18E-07	4.90E-11
phe.Fasting_rs113357907 S24	ISL1	rs6964407	S7	POR	1.85E-18	7.55E-11	3.90E-14	2.08E-06	1.00E+00	2.14E-03
phe.Fasting_rs113357907 S24	ISL1	rs7004597	S8	NA	5.53E-12	0.000225777	9.75E-09	3.58E-15	1.46E-07	3.41E-11
phe.Fasting_rs113357907 S24	ISL1	rs7256517	S7	CYTH2	4.07E-17	1.66E-09	2.15E-13	9.22E-15	3.75E-07	8.04E-11
phe.Fasting_rs113357907 S24	ISL1	rs73283603	S7	ZWINT	3.93E-17	1.60E-09	2.11E-13	5.99E-15	2.44E-07	5.44E-11
phe.Fasting_rs113357907 S24	ISL1	rs73392640	S8	POLR3B	1.58E-05	1.00E+00	6.77E-03	9.92E-12	4.04E-04	3.67E-08
phe.Fasting_rs113357907 S24	ISL1	rs73619637	S8	NA	4.28E-06	1.00E+00	2.17E-03	5.81E-16	2.36E-08	1.16E-11
phe.Fasting_rs113357907 S24	ISL1	rs73794928	S13	"PCDHGA9,Pi	5.60E-07	1.00E+00	3.64E-04	2.67E-14	1.09E-06	2.02E-10
phe.Fasting_rs113357907 S24	ISL1	rs74627895	S8	TMEM64	4.64E-18	1.89E-10	6.53E-14	4.16E-15	1.69E-07	3.88E-11
phe.Fasting_rs113357907 S24	ISL1	rs74701059	S24	C17orf102	6.33E-18	2.58E-10	7.66E-14	3.41E-15	1.39E-07	3.26E-11
phe.Fasting_rs113357907 S24	ISL1	rs74914207	S24	NA	1.33E-12	5.44E-05	2.62E-09	1.66E-11	6.76E-04	5.95E-08
phe.Fasting_rs113357907 S24	ISL1	rs75350765	S5	RCL1	7.60E-18	3.10E-10	8.48E-14	5.79E-15	2.36E-07	5.27E-11
phe.Fasting_rs113357907 S24	ISL1	rs75374128	S5	CNTLN	4.46E-18	1.82E-10	6.40E-14	8.93E-11	3.63E-03	2.75E-07
phe.Fasting_rs113357907 S24	ISL1	rs75758702	S24	NA	1.61E-06	1.00E+00	9.26E-04	2.04E-16	8.30E-09	7.98E-12
phe.Fasting_rs113357907 S24	ISL1	rs75864203	S8	CNTLN	4.46E-18	1.82E-10	6.40E-14	8.93E-11	3.63E-03	2.75E-07
phe.Fasting_rs113357907 S24	ISL1	rs75949566	S5	TMEM64	1.56E-17	6.37E-10	1.20E-13	9.89E-15	4.03E-07	8.59E-11
phe.Fasting_rs113357907 S24	ISL1	rs76844308	S8	CNTLN	3.18E-07	1.00E+00	2.19E-04	3.01E-15	1.23E-07	2.90E-11
phe.Fasting_rs113357907 S24	ISL1	rs7763107	S8	FARS2	2.78E-17	1.13E-09	1.64E-13	1.37E-15	5.56E-08	1.54E-11
phe.Fasting_rs113357907 S24	ISL1	rs77798597	S7	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.04E-14	1.24E-06	2.27E-10
phe.Fasting_rs113357907 S24	ISL1	rs77845645	S21	NA	6.39E-18	2.61E-10	7.72E-14	1.26E-14	5.13E-07	1.08E-10
phe.Fasting_rs113357907 S24	ISL1	rs78353402	S8	AP3M2	5.53E-12	2.26E-04	9.75E-09	5.21E-15	2.12E-07	4.77E-11
phe.Fasting_rs113357907 S24	ISL1	rs78516788	S8	SLC38A1	4.92E-18	2.01E-10	6.76E-14	1.07E-14	4.35E-07	9.27E-11
phe.Fasting_rs113357907 S24	ISL1	rs78697063	S5	MSI2	1.84E-20	7.51E-13	1.89E-14	3.34E-15	1.36E-07	3.20E-11
phe.Fasting_rs113357907 S24	ISL1	rs78722272	S5	CNTLN	4.46E-18	1.82E-10	6.40E-14	8.82E-11	3.59E-03	2.72E-07
phe.Fasting_rs113357907 S24	ISL1	rs78736524	S5	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.26E-14	1.33E-06	2.39E-10
phe.Fasting_rs113357907 S24	ISL1	rs78990344	S2	LOC10050631	1.53E-17	6.25E-10	1.19E-13	6.84E-15	2.78E-07	6.11E-11
phe.Fasting_rs113357907 S24	ISL1	rs79517926	S15	"DIAPH1,LOC	6.15E-07	1.00E+00	3.95E-04	6.14E-15	2.50E-07	5.56E-11
phe.Fasting_rs113357907 S24	ISL1	rs79703349	S24	C17orf102	6.33E-18	2.58E-10	7.66E-14	3.88E-15	1.58E-07	3.65E-11
phe.Fasting_rs113357907 S24	ISL1	rs79781495	S8	KPNA3	6.45E-17	2.64E-09	2.97E-13	3.04E-14	1.24E-06	2.27E-10
phe.Fasting_rs113357907 S24	ISL1	rs80332465	S5	KPNA3	7.00E-17	2.86E-09	3.16E-13	3.19E-14	1.30E-06	2.35E-10
phe.Fasting_rs113357907 S24	ISL1	rs80334773	S5	KPNA3	7.00E-17	2.86E-09	3.16E-13	3.19E-14	1.30E-06	2.35E-10

phe.Fasting_	rs113357907	S24	ISL1	rs8075478	S8	MYH10	2.01E-07	1	1.43E-04	1.33E-15	5.41E-08	1.51E-11
phe.Fasting_	rs113357907	S24	ISL1	rs9620939	S7	MTMR3	5.12E-08	1	4.18E-05	1.05E-16	4.26E-09	5.84E-12
phe.Fasting_	rs113357907	S24	ISL1	rs9625903	S7	MTMR3	6.13E-08	1	4.93E-05	3.90E-17	1.59E-09	3.33E-12
phe.Fasting_	rs113360615	S5	UBE2W	rs139070959	S8	RPN2	1.18E-06	1.00E+00	7.01E-04	2.24E-07	1.00E+00	2.93E-04
phe.Fasting_	rs113360615	S5	UBE2W	rs145412529	S8	"RBL1,RPS3A	6.02E-07	1.00E+00	3.88E-04	1.57E-06	1.00E+00	1.67E-03
phe.Fasting_	rs113568654	S12	SPTLC1	rs114968018	S21	NA	8.27E-14	3.38E-06	1.89E-10	5.41E-06	1.00E+00	4.90E-03
phe.Fasting_	rs113568654	S12	SPTLC1	rs115305957	S23	NA	1.91E-06	1.00E+00	1.08E-03	1.26E-10	5.11E-03	3.79E-07
phe.Fasting_	rs113568654	S12	SPTLC1	rs115787552	S5	KPNA3	8.00E-06	1.00E+00	3.76E-03	1.22E-14	4.95E-07	1.04E-10
phe.Fasting_	rs113568654	S12	SPTLC1	rs116079984	S8	KPNA3	8.00E-06	1.00E+00	3.76E-03	1.48E-14	6.04E-07	1.25E-10
phe.Fasting_	rs113568654	S12	SPTLC1	rs12581352	S2	NA	7.73E-18	3.16E-10	8.51E-14	1.06E-12	4.32E-05	4.92E-09
phe.Fasting_	rs113568654	S12	SPTLC1	rs140524622	S7	MRPL10	4.24E-07	1.00E+00	2.83E-04	8.12E-08	1.00E+00	1.18E-04
phe.Fasting_	rs113568654	S12	SPTLC1	rs146815317	S5	KPNA3	8.00E-06	1.00E+00	3.76E-03	1.22E-14	4.95E-07	1.04E-10
phe.Fasting_	rs113568654	S12	SPTLC1	rs150117838	S8	KPNA3	8.00E-06	1.00E+00	3.76E-03	1.18E-14	4.79E-07	1.01E-10
phe.Fasting_	rs113568654	S12	SPTLC1	rs2153597	S8	ZNF438	9.55E-06	1.00E+00	4.39E-03	2.24E-06	1.00E+00	2.29E-03
phe.Fasting_	rs113568654	S12	SPTLC1	rs4820499	S10	PACSLIN2	3.19E-09	0.130452	3.24E-06	3.42E-10	1.39E-02	9.10E-07
phe.Fasting_	rs113568654	S12	SPTLC1	rs57503635	S3	NA	9.34E-07	1.00E+00	5.70E-04	1.97E-14	8.01E-07	1.58E-10
phe.Fasting_	rs113568654	S12	SPTLC1	rs7256517	S7	CYTH2	2.17E-13	8.84E-06	4.71E-10	4.35E-07	1.00E+00	5.27E-04
phe.Fasting_	rs113568654	S12	SPTLC1	rs73392640	S8	POLR3B	3.02E-07	1.00E+00	2.08E-04	2.03E-08	8.28E-01	3.48E-05
phe.Fasting_	rs113568654	S12	SPTLC1	rs73619637	S8	NA	5.45E-17	2.22E-09	2.64E-13	7.11E-08	1.00E+00	1.04E-04
phe.Fasting_	rs113568654	S12	SPTLC1	rs74701059	S24	C17orf102	1.84E-06	1.00E+00	1.04E-03	1.40E-10	5.71E-03	4.21E-07
phe.Fasting_	rs113568654	S12	SPTLC1	rs74914207	S24	NA	3.57E-06	1.00E+00	1.84E-03	4.06E-08	1.00E+00	6.35E-05
phe.Fasting_	rs113568654	S12	SPTLC1	rs7511534	S12	PACSLIN2	2.48E-09	0.101291	2.56E-06	4.30E-10	1.75E-02	1.13E-06
phe.Fasting_	rs113568654	S12	SPTLC1	rs77798597	S7	KPNA3	8.00E-06	1	3.76E-03	1.18E-14	4.79E-07	1.01E-10
phe.Fasting_	rs113568654	S12	SPTLC1	rs78736524	S5	KPNA3	8.00E-06	1.00E+00	3.76E-03	1.22E-14	4.95E-07	1.04E-10
phe.Fasting_	rs113568654	S12	SPTLC1	rs79703349	S24	C17orf102	1.84E-06	1.00E+00	1.04E-03	1.75E-10	7.11E-03	5.04E-07
phe.Fasting_	rs113568654	S12	SPTLC1	rs79781495	S8	KPNA3	8.00E-06	1	0.00376035	1.18E-14	4.79E-07	1.01E-10
phe.Fasting_	rs113568654	S12	SPTLC1	rs80332465	S5	KPNA3	1.14E-05	1	0.00513361	1.27E-14	5.16E-07	1.08E-10
phe.Fasting_	rs113568654	S12	SPTLC1	rs80334773	S5	KPNA3	1.14E-05	1	0.00513361	1.27E-14	5.16E-07	1.08E-10
phe.Fasting_	rs113602719	S8	"FANCD2,FAI	rs112027720	S7	DIAPH1	4.36E-07	1	0.000289116	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719	S8	"FANCD2,FAI	rs113219478	S7	DIAPH1	4.36E-07	1	0.000289116	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719	S8	"FANCD2,FAI	rs116279995	S20	"PCDHGA4,PI	6.20E-07	1	0.000397692	3.33E-06	1.00E+00	3.20E-03
phe.Fasting_	rs113602719	S8	"FANCD2,FAI	rs138090701	S5	HDAC3	9.73E-07	1	0.000591548	5.43E-06	1.00E+00	4.91E-03
phe.Fasting_	rs113602719	S8	"FANCD2,FAI	rs138136869	S7	DIAPH1	7.49E-08	1	5.87E-05	2.68E-07	1.00E+00	3.43E-04
phe.Fasting_	rs113602719	S8	"FANCD2,FAI	rs138457103	S10	DIAPH1	2.44E-07	1	0.00017071	1.29E-06	1.00E+00	1.42E-03
phe.Fasting_	rs113602719	S8	"FANCD2,FAI	rs138487229	S11	DIAPH1	4.36E-07	1	0.000289116	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719	S8	"FANCD2,FAI	rs138738950	S8	"PCDHGB2,PI	4.36E-07	1	0.000289116	1.52E-06	1.00E+00	1.64E-03
phe.Fasting_	rs113602719	S8	"FANCD2,FAI	rs139297927	S8	DIAPH1	4.36E-07	1	0.000289116	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719	S8	"FANCD2,FAI	rs139337303	S8	DIAPH1	4.36E-07	1	0.000289116	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719	S8	"FANCD2,FAI	rs139403963	S8	DIAPH1	7.49E-08	1	5.87E-05	2.68E-07	1.00E+00	3.43E-04
phe.Fasting_	rs113602719	S8	"FANCD2,FAI	rs139621309	S18	"LOC1005056	4.36E-07	1	0.000289116	1.54E-06	1.00E+00	1.65E-03

phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs139828110 S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1.00E+00	3.43E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs140070363 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs140644750 S13	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs141022544 S8	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs141525984 S5	DIAPH1	4.36E-07	1	0.000289116	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs141692339 S3	"PCDHGA6,Pi	8.21E-07	1	5.08E-04	4.90E-06	1.00E+00	4.49E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs141926074 S8	ATE1	2.88E-07	1	1.99E-04	2.02E-06	1.00E+00	2.09E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs142480565 S8	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs142718558 S7	"DIAPH1,LOC	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs142789100 S8	DIAPH1	7.49E-08	1	5.87E-05	2.68E-07	1.00E+00	3.43E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs142812798 S7	DIAPH1	7.49E-08	1	5.87E-05	2.68E-07	1.00E+00	3.43E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs143377827 S13	"DIAPH1,LOC	8.22E-08	1	6.39E-05	2.21E-07	1.00E+00	2.90E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs143691978 S11	DIAPH1	7.49E-08	1	5.87E-05	2.79E-07	1.00E+00	3.56E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs144081334 S11	DIAPH1	7.49E-08	1	5.87E-05	2.79E-07	1.00E+00	3.56E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs144613910 S8	DIAPH1	4.36E-07	1	0.000289116	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs145027704 S11	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.79E-07	1.00E+00	3.56E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs146220673 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs146622060 S13	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.79E-07	1.00E+00	3.56E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs146878162 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs147314451 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs147417996 S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.79E-07	1.00E+00	3.56E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs147506725 S21	"PCDHGA1,Pi	6.20E-07	1	0.000397692	3.33E-06	1.00E+00	3.20E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs147646948 S7	"LOC1005056	4.36E-07	1	0.000289116	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs147677041 S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1.00E+00	3.43E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs148116628 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs148423011 S7	DIAPH1	4.36E-07	1	0.000289116	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs149019627 S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1.00E+00	3.43E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs149075406 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs149334783 S8	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs149553852 S21	"PCDHGA10,I	6.20E-07	1	3.98E-04	3.33E-06	1.00E+00	3.20E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs149716949 S5	DIAPH1	4.70E-08	1	3.87E-05	2.98E-07	1.00E+00	3.77E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs149791570 S5	DIAPH1	7.49E-08	1	5.87E-05	2.68E-07	1.00E+00	3.43E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs150452206 S13	"DIAPH1,LOC	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs150675915 S7	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs150765570 S7	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs150992994 S11	"PCDHGA5,Pi	4.50E-07	1	2.98E-04	1.47E-06	1.00E+00	1.59E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs151204700 S8	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs151330468 S8	DIAPH1	7.49E-08	1	5.87E-05	2.79E-07	1.00E+00	3.56E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs180772028 S8	"DIAPH1,LOC	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs181224861 S7	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03

phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs181247960 S21	"PCDHGA9,PI	6.20E-07	1	3.98E-04	3.33E-06	1.00E+00	3.20E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs181824655 S21	"PCDHGB6,PI	6.20E-07	1	3.98E-04	3.33E-06	1.00E+00	3.20E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs182714699 S8	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs182958142 S8	DIAPH1	2.15E-07	1	1.52E-04	5.42E-06	1.00E+00	4.91E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs182965141 S8	DIAPH1	8.44E-08	1	6.55E-05	2.83E-06	1.00E+00	2.78E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs183597049 S7	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs183980988 S2	NA	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs184233232 S7	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs184509477 S13	"PCDHGB4,PI	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs185069296 S15	"LOC1005056	4.36E-07	1	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs185502834 S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1.00E+00	3.43E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs185759881 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs186288044 S21	"PCDHGB4,PI	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1.00E+00	3.20E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs187000011 S11	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs188981295 S5	"RPS27AP10,	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs190559574 S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1.00E+00	3.43E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs191544043 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs191766712 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs192690040 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs192765219 S7	DIAPH1	4.36E-07	1	0.000289116	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs192770525 S7	DIAPH1	4.36E-07	1	0.000289116	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs35990401 S7	DIAPH1	3.35E-07	1	0.000229529	5.33E-07	1.00E+00	6.34E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs3856797 S12	VGLL4	1.22E-05	1	0.00541401	9.28E-07	1.00E+00	1.05E-03
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs55900860 S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1.00E+00	3.43E-04
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs57503635 S3	NA	3.60E-09	1.47E-01	3.63E-06	4.32E-17	1.76E-09	3.52E-12
phe.Fasting_	rs113602719 S8	"FANCD2,FAI	rs79517926 S15	"DIAPH1,LOC	1.06E-07	1	8.00E-05	2.75E-06	1.00E+00	2.71E-03
phe.Fasting_	rs114032844 S21	NA	rs139070959 S8	RPN2	9.49E-17	3.88E-09	4.08E-13	1.38E-14	5.63E-07	1.17E-10
phe.Fasting_	rs114032844 S21	NA	rs145412529 S8	"RBL1,RPS3A	5.68E-17	2.32E-09	2.72E-13	1.54E-14	6.27E-07	1.29E-10
phe.Fasting_	rs114032844 S21	NA	rs57503635 S3	NA	3.06E-07	1	2.11E-04	8.44E-07	1.00E+00	9.67E-04
phe.Fasting_	rs114041958 S24	HLA-G	rs114764631 S23	NA	2.82E-07	1	1.96E-04	4.13E-09	1.68E-01	8.45E-06
phe.Fasting_	rs114041958 S24	HLA-G	rs139070959 S8	RPN2	1.85E-09	0.0755239	1.94E-06	2.41E-06	1.00E+00	2.43E-03
phe.Fasting_	rs114041958 S24	HLA-G	rs145412529 S8	"RBL1,RPS3A	1.03E-09	0.0420988	1.13E-06	2.51E-06	1.00E+00	2.51E-03
phe.Fasting_	rs114214896 S24	HCG4P8	rs114764631 S23	NA	2.82E-07	1	1.96E-04	4.13E-09	1.68E-01	8.45E-06
phe.Fasting_	rs114214896 S24	HCG4P8	rs139070959 S8	RPN2	1.85E-09	0.0755239	1.94E-06	2.41E-06	1.00E+00	2.43E-03
phe.Fasting_	rs114214896 S24	HCG4P8	rs145412529 S8	"RBL1,RPS3A	1.03E-09	0.0420988	1.13E-06	2.51E-06	1.00E+00	2.51E-03
phe.Fasting_	rs114251653 S24	NA	rs114764631 S23	NA	2.82E-07	1	1.96E-04	4.13E-09	1.68E-01	8.45E-06
phe.Fasting_	rs114251653 S24	NA	rs139070959 S8	RPN2	1.85E-09	0.0755239	1.94E-06	2.41E-06	1.00E+00	2.43E-03
phe.Fasting_	rs114251653 S24	NA	rs145412529 S8	"RBL1,RPS3A	1.03E-09	4.21E-02	1.13E-06	2.51E-06	1.00E+00	2.51E-03
phe.Fasting_	rs114311782 S19	NA	rs114764631 S23	NA	2.82E-07	1.00E+00	1.96E-04	4.13E-09	1.68E-01	8.45E-06
phe.Fasting_	rs114311782 S19	NA	rs139070959 S8	RPN2	1.85E-09	7.55E-02	1.94E-06	2.41E-06	1.00E+00	2.43E-03

phe.Fasting_rs114311782 S19	NA	rs145412529 S8	"RBL1,RPS3A	1.03E-09	4.21E-02	1.13E-06	2.51E-06	1.00E+00	2.51E-03
phe.Fasting_rs114334325 S7	AP3M2	rs111576333 S5	TMEM64	1.38E-15	5.65E-08	3.99E-12	6.72E-08	1.00E+00	1.00E-04
phe.Fasting_rs114334325 S7	AP3M2	rs112091318 S5	TMEM64	3.67E-16	1.50E-08	1.20E-12	3.09E-08	1.00E+00	4.98E-05
phe.Fasting_rs114334325 S7	AP3M2	rs11989304 S4	TMEM64	1.38E-15	5.65E-08	3.99E-12	1.33E-06	1.00E+00	1.46E-03
phe.Fasting_rs114334325 S7	AP3M2	rs141926074 S8	ATE1	5.12E-17	2.09E-09	2.51E-13	3.83E-08	1.00E+00	6.03E-05
phe.Fasting_rs114334325 S7	AP3M2	rs1470889 S5	ZC3H3	4.41E-09	1.80E-01	4.35E-06	4.45E-07	1.00E+00	5.38E-04
phe.Fasting_rs114334325 S7	AP3M2	rs1470890 S5	ZC3H3	4.41E-09	1.80E-01	4.35E-06	4.45E-07	1.00E+00	5.38E-04
phe.Fasting_rs114334325 S7	AP3M2	rs2924507 S5	ZC3H3	4.41E-09	0.180281	4.35E-06	4.45E-07	1.00E+00	5.38E-04
phe.Fasting_rs114334325 S7	AP3M2	rs2924508 S8	ZC3H3	4.41E-09	0.180281	4.35E-06	1.22E-08	4.96E-01	2.22E-05
phe.Fasting_rs114334325 S7	AP3M2	rs2924511 S7	ZC3H3	4.41E-09	0.180281	4.35E-06	3.96E-07	1.00E+00	4.84E-04
phe.Fasting_rs114334325 S7	AP3M2	rs2924512 S7	ZC3H3	4.92E-09	0.201	4.82E-06	5.18E-07	1.00E+00	6.17E-04
phe.Fasting_rs114334325 S7	AP3M2	rs2956376 S8	ZC3H3	4.41E-09	1.80E-01	4.35E-06	2.73E-07	1.00E+00	3.49E-04
phe.Fasting_rs114334325 S7	AP3M2	rs2980270 S7	ZC3H3	4.41E-09	1.80E-01	4.35E-06	2.73E-07	1.00E+00	3.49E-04
phe.Fasting_rs114334325 S7	AP3M2	rs2980272 S7	ZC3H3	4.92E-09	2.01E-01	4.82E-06	5.49E-07	1.00E+00	6.52E-04
phe.Fasting_rs114334325 S7	AP3M2	rs2980275 S5	ZC3H3	4.41E-09	1.80E-01	4.35E-06	4.45E-07	1.00E+00	5.38E-04
phe.Fasting_rs114334325 S7	AP3M2	rs366767 S5	ZC3H3	8.73E-09	3.56E-01	8.25E-06	3.06E-07	1.00E+00	3.86E-04
phe.Fasting_rs114334325 S7	AP3M2	rs73283603 S7	ZWINT	9.00E-13	3.68E-05	1.86E-09	2.55E-06	1.00E+00	2.54E-03
phe.Fasting_rs114334325 S7	AP3M2	rs73392640 S8	POLR3B	9.66E-15	3.94E-07	2.46E-11	5.32E-08	1.00E+00	8.11E-05
phe.Fasting_rs114334325 S7	AP3M2	rs73619637 S8	NA	3.31E-14	1.35E-06	8.02E-11	5.78E-11	2.35E-03	1.85E-07
phe.Fasting_rs114334325 S7	AP3M2	rs74627895 S8	TMEM64	3.67E-16	1.50E-08	1.20E-12	2.74E-07	1.00E+00	3.50E-04
phe.Fasting_rs114334325 S7	AP3M2	rs75949566 S5	TMEM64	1.70E-15	6.95E-08	4.87E-12	1.63E-06	1.00E+00	1.72E-03
phe.Fasting_rs114334325 S7	AP3M2	rs78990344 S2	LOC10050631	1.38E-15	5.65E-08	3.99E-12	1.33E-06	1.00E+00	1.46E-03
phe.Fasting_rs114334325 S7	AP3M2	rs8075478 S8	MYH10	3.01E-10	1.23E-02	3.60E-07	1.26E-06	1.00E+00	1.38E-03
phe.Fasting_rs114394395 S7	AP3M2	rs111576333 S5	TMEM64	1.48E-15	6.06E-08	4.25E-12	6.72E-08	1.00E+00	1.00E-04
phe.Fasting_rs114394395 S7	AP3M2	rs112091318 S5	TMEM64	3.97E-16	1.62E-08	1.29E-12	3.09E-08	1.00E+00	4.98E-05
phe.Fasting_rs114394395 S7	AP3M2	rs11989304 S4	TMEM64	1.48E-15	6.06E-08	4.25E-12	1.33E-06	1.00E+00	1.46E-03
phe.Fasting_rs114394395 S7	AP3M2	rs141926074 S8	ATE1	5.58E-17	2.28E-09	2.68E-13	3.83E-08	1.00E+00	6.03E-05
phe.Fasting_rs114394395 S7	AP3M2	rs1470889 S5	ZC3H3	4.61E-09	0.188265	4.53E-06	4.45E-07	1.00E+00	5.38E-04
phe.Fasting_rs114394395 S7	AP3M2	rs1470890 S5	ZC3H3	4.61E-09	0.188265	4.53E-06	4.45E-07	1.00E+00	5.38E-04
phe.Fasting_rs114394395 S7	AP3M2	rs2924507 S5	ZC3H3	4.61E-09	1.88E-01	4.53E-06	4.45E-07	1.00E+00	5.38E-04
phe.Fasting_rs114394395 S7	AP3M2	rs2924508 S8	ZC3H3	4.61E-09	1.88E-01	4.53E-06	1.22E-08	4.96E-01	2.22E-05
phe.Fasting_rs114394395 S7	AP3M2	rs2924511 S7	ZC3H3	4.61E-09	1.88E-01	4.53E-06	3.96E-07	1.00E+00	4.84E-04
phe.Fasting_rs114394395 S7	AP3M2	rs2924512 S7	ZC3H3	5.14E-09	0.209826	5.02E-06	5.18E-07	1.00E+00	6.17E-04
phe.Fasting_rs114394395 S7	AP3M2	rs2956376 S8	ZC3H3	4.61E-09	0.188265	4.53E-06	2.73E-07	1.00E+00	3.49E-04
phe.Fasting_rs114394395 S7	AP3M2	rs2980270 S7	ZC3H3	4.61E-09	0.188265	4.53E-06	2.73E-07	1.00E+00	3.49E-04
phe.Fasting_rs114394395 S7	AP3M2	rs2980272 S7	ZC3H3	5.14E-09	0.209826	5.02E-06	5.49E-07	1.00E+00	6.52E-04
phe.Fasting_rs114394395 S7	AP3M2	rs2980275 S5	ZC3H3	4.61E-09	0.188265	4.53E-06	4.45E-07	1.00E+00	5.38E-04
phe.Fasting_rs114394395 S7	AP3M2	rs366767 S5	ZC3H3	9.11E-09	0.371924	8.57E-06	3.06E-07	1.00E+00	3.86E-04
phe.Fasting_rs114394395 S7	AP3M2	rs73283603 S7	ZWINT	9.59E-13	3.92E-05	1.98E-09	2.55E-06	1.00E+00	2.54E-03
phe.Fasting_rs114394395 S7	AP3M2	rs73392640 S8	POLR3B	1.03E-14	4.20E-07	2.62E-11	5.32E-08	1.00E+00	8.11E-05

phe.Fasting_	rs114394395 S7	AP3M2	rs73619637 S8	NA	3.53E-14	1.44E-06	8.53E-11	5.78E-11	2.35E-03	1.85E-07
phe.Fasting_	rs114394395 S7	AP3M2	rs74627895 S8	TMEM64	3.97E-16	1.62E-08	1.29E-12	2.74E-07	1.00E+00	3.50E-04
phe.Fasting_	rs114394395 S7	AP3M2	rs75949566 S5	TMEM64	1.83E-15	7.46E-08	5.21E-12	1.63E-06	1.00E+00	1.72E-03
phe.Fasting_	rs114394395 S7	AP3M2	rs78990344 S2	LOC1005063	1.48E-15	6.06E-08	4.25E-12	1.33E-06	1.00E+00	1.46E-03
phe.Fasting_	rs114394395 S7	AP3M2	rs8075478 S8	MYH10	3.10E-10	0.0126417	3.68E-07	1.26E-06	1.00E+00	1.38E-03
phe.Fasting_	rs114464250 S24	NA	rs116548615 S8	TMEM45B	1.58E-06	1	0.000912741	2.64E-08	1.00E+00	4.33E-05
phe.Fasting_	rs114464250 S24	NA	rs75374128 S5	CNTLN	3.21E-08	1	2.74E-05	4.38E-07	1.00E+00	5.30E-04
phe.Fasting_	rs114464250 S24	NA	rs75864203 S8	CNTLN	3.21E-08	1.00E+00	2.74E-05	4.38E-07	1.00E+00	5.30E-04
phe.Fasting_	rs114464250 S24	NA	rs76844308 S8	CNTLN	2.15E-11	8.79E-04	3.18E-08	7.32E-07	1.00E+00	8.50E-04
phe.Fasting_	rs114464250 S24	NA	rs78722272 S5	CNTLN	3.21E-08	1.00E+00	2.74E-05	4.56E-07	1.00E+00	5.49E-04
phe.Fasting_	rs114465622 S23	HLA-G	rs114764631 S23	NA	2.82E-07	1.00E+00	1.96E-04	4.13E-09	1.68E-01	8.45E-06
phe.Fasting_	rs114465622 S23	HLA-G	rs139070959 S8	RPN2	1.85E-09	7.55E-02	1.94E-06	2.41E-06	1.00E+00	2.43E-03
phe.Fasting_	rs114465622 S23	HLA-G	rs145412529 S8	"RBL1,RPS3A	1.03E-09	4.21E-02	1.13E-06	2.51E-06	1.00E+00	2.51E-03
phe.Fasting_	rs114565620 S8	RCL1	rs112009962 S8	NA	6.93E-06	1.00E+00	3.33E-03	1.37E-15	5.56E-08	1.54E-11
phe.Fasting_	rs114565620 S8	RCL1	rs112089881 S8	ZFAND4	9.81E-19	4.01E-11	2.92E-14	8.31E-10	3.38E-02	2.02E-06
phe.Fasting_	rs114565620 S8	RCL1	rs115083290 S19	NA	2.89E-17	1.18E-09	1.66E-13	3.20E-14	1.30E-06	2.35E-10
phe.Fasting_	rs114565620 S8	RCL1	rs115752779 S19	NA	2.89E-17	1.18E-09	1.66E-13	3.20E-14	1.30E-06	2.35E-10
phe.Fasting_	rs114565620 S8	RCL1	rs12581352 S2	NA	1.21E-05	1	0.00539647	1.49E-15	6.06E-08	1.66E-11
phe.Fasting_	rs114565620 S8	RCL1	rs139070959 S8	RPN2	5.03E-18	2.06E-10	6.86E-14	9.04E-15	3.68E-07	7.90E-11
phe.Fasting_	rs114565620 S8	RCL1	rs141926074 S8	ATE1	5.29E-19	2.16E-11	2.49E-14	9.87E-09	4.02E-01	1.84E-05
phe.Fasting_	rs114565620 S8	RCL1	rs145412529 S8	"RBL1,RPS3A	2.94E-18	1.20E-10	5.06E-14	1.03E-14	4.19E-07	8.92E-11
phe.Fasting_	rs114565620 S8	RCL1	rs2153597 S8	ZNF438	1.03E-11	4.20E-04	1.63E-08	3.10E-10	1.26E-02	8.36E-07
phe.Fasting_	rs114565620 S8	RCL1	rs56398234 S8	LRCH1	1.31E-05	1.00E+00	5.77E-03	8.26E-07	1.00E+00	9.48E-04
phe.Fasting_	rs114565620 S8	RCL1	rs57503635 S3	NA	4.19E-17	1.71E-09	2.22E-13	1.28E-21	5.23E-14	4.02E-15
phe.Fasting_	rs114565620 S8	RCL1	rs7256517 S7	CYTH2	1.74E-16	7.10E-09	6.18E-13	1.53E-07	1.00E+00	2.08E-04
phe.Fasting_	rs114565620 S8	RCL1	rs73283603 S7	ZWINT	5.69E-17	2.32E-09	2.72E-13	5.34E-07	1.00E+00	6.35E-04
phe.Fasting_	rs114565620 S8	RCL1	rs73392640 S8	POLR3B	1.04E-07	1.00E+00	7.92E-05	9.18E-08	1.00E+00	1.31E-04
phe.Fasting_	rs114565620 S8	RCL1	rs73619637 S8	NA	5.38E-17	2.20E-09	2.63E-13	4.57E-11	1.86E-03	1.49E-07
phe.Fasting_	rs114565620 S8	RCL1	rs75374128 S5	CNTLN	2.86E-18	1.17E-10	4.97E-14	1.17E-09	4.77E-02	2.75E-06
phe.Fasting_	rs114565620 S8	RCL1	rs75506779 S5	TMCO3	1.24E-07	1	9.24E-05	2.68E-06	1.00E+00	2.65E-03
phe.Fasting_	rs114565620 S8	RCL1	rs75864203 S8	CNTLN	2.86E-18	1.17E-10	4.97E-14	1.17E-09	4.77E-02	2.75E-06
phe.Fasting_	rs114565620 S8	RCL1	rs76844308 S8	CNTLN	5.35E-18	2.19E-10	7.01E-14	8.63E-10	3.51E-02	2.08E-06
phe.Fasting_	rs114565620 S8	RCL1	rs78722272 S5	CNTLN	2.86E-18	1.17E-10	4.97E-14	1.24E-09	5.05E-02	2.89E-06
phe.Fasting_	rs114676355 S24	HLA-G	rs114764631 S23	NA	2.82E-07	1	0.000195724	4.13E-09	1.68E-01	8.45E-06
phe.Fasting_	rs114676355 S24	HLA-G	rs139070959 S8	RPN2	1.85E-09	0.0755239	1.94E-06	2.41E-06	1.00E+00	2.43E-03
phe.Fasting_	rs114676355 S24	HLA-G	rs145412529 S8	"RBL1,RPS3A	1.03E-09	0.0420988	1.13E-06	2.51E-06	1.00E+00	2.51E-03
phe.Fasting_	rs114764631 S23	NA	rs112009962 S8	NA	2.59E-18	1.06E-10	4.63E-14	3.08E-15	1.25E-07	2.96E-11
phe.Fasting_	rs114764631 S23	NA	rs114032844 S21	NA	1.96E-06	1	0.00110067	2.45E-15	9.99E-08	2.40E-11
phe.Fasting_	rs114764631 S23	NA	rs114565620 S8	RCL1	9.76E-10	0.0398382	1.07E-06	8.07E-06	1.00E+00	6.83E-03
phe.Fasting_	rs114764631 S23	NA	rs114968018 S21	NA	2.86E-06	1	0.00151722	2.61E-14	1.06E-06	1.98E-10



phe.Fasting_rs114764631 S23	NA	rs115083290 S19	NA	2.20E-10	0.00900061	2.70E-07	5.29E-08	1.00E+00	8.08E-05
phe.Fasting_rs114764631 S23	NA	rs115223560 S24	NA	9.99E-06	1	0.00457303	8.13E-16	3.31E-08	1.16E-11
phe.Fasting_rs114764631 S23	NA	rs115752779 S19	NA	2.20E-10	0.00900061	2.70E-07	5.29E-08	1.00E+00	8.08E-05
phe.Fasting_rs114764631 S23	NA	rs116681717 S8	DTD2	1.55E-18	6.31E-11	3.60E-14	8.34E-06	1.00E+00	7.05E-03
phe.Fasting_rs114764631 S23	NA	rs12581352 S2	NA	3.05E-18	1.25E-10	5.24E-14	1.55E-15	6.32E-08	1.73E-11
phe.Fasting_rs114764631 S23	NA	rs139070959 S8	RPN2	2.06E-18	8.43E-11	4.20E-14	1.89E-09	7.70E-02	4.20E-06
phe.Fasting_rs114764631 S23	NA	rs145412529 S8	"RBL1,RPS3A	1.18E-18	4.82E-11	3.16E-14	2.17E-09	8.85E-02	4.76E-06
phe.Fasting_rs114764631 S23	NA	rs16908547 S8	PAG1	9.77E-07	1	0.00059392	3.83E-14	1.56E-06	2.74E-10
phe.Fasting_rs114764631 S23	NA	rs60011869 S16	NA	4.55E-06	1	0.0022928	1.91E-15	7.77E-08	2.07E-11
phe.Fasting_rs114764631 S23	NA	rs75350765 S5	RCL1	9.76E-10	0.0398382	1.07E-06	8.07E-06	1.00E+00	6.83E-03
phe.Fasting_rs114764631 S23	NA	rs7845181 S21	NA	1.45E-05	1	0.00632191	9.80E-16	3.99E-08	1.17E-11
phe.Fasting_rs115031102 S23	LOC554223	rs114764631 S23	NA	1.40E-11	0.00057143	2.16E-08	6.53E-09	2.66E-01	1.26E-05
phe.Fasting_rs115031102 S23	LOC554223	rs139070959 S8	RPN2	2.83E-09	0.115681	2.90E-06	3.42E-06	1.00E+00	3.29E-03
phe.Fasting_rs115031102 S23	LOC554223	rs145412529 S8	"RBL1,RPS3A	1.60E-09	0.0654976	1.70E-06	3.58E-06	1.00E+00	3.41E-03
phe.Fasting_rs115083290 S19	NA	rs139070959 S8	RPN2	2.80E-17	1.15E-09	1.64E-13	1.96E-12	7.97E-05	8.52E-09
phe.Fasting_rs115083290 S19	NA	rs145412529 S8	"RBL1,RPS3A	1.67E-17	6.80E-10	1.26E-13	2.21E-12	9.01E-05	9.56E-09
phe.Fasting_rs115083290 S19	NA	rs4820499 S10	PAC3IN2	1.87E-14	7.63E-07	4.66E-11	9.81E-06	1.00E+00	8.02E-03
phe.Fasting_rs115083290 S19	NA	rs56398234 S8	LRCH1	1.37E-07	1	0.000101115	9.48E-08	1.00E+00	1.35E-04
phe.Fasting_rs115083290 S19	NA	rs57503635 S3	NA	2.42E-16	9.88E-09	8.21E-13	6.72E-14	2.74E-06	4.55E-10
phe.Fasting_rs115083290 S19	NA	rs7511534 S12	PAC3IN2	9.52E-15	3.89E-07	2.43E-11	1.15E-05	1.00E+00	9.10E-03
phe.Fasting_rs115087242 S19	NA	rs114764631 S23	NA	2.82E-07	1	0.000195724	4.13E-09	1.68E-01	8.44E-06
phe.Fasting_rs115087242 S19	NA	rs139070959 S8	RPN2	1.85E-09	0.0755239	1.94E-06	2.39E-06	1.00E+00	2.41E-03
phe.Fasting_rs115087242 S19	NA	rs145412529 S8	"RBL1,RPS3A	1.03E-09	0.0420988	1.13E-06	2.48E-06	1.00E+00	2.48E-03
phe.Fasting_rs115088919 S24	NA	rs114032844 S21	NA	1.86E-06	1	0.00105574	1.44E-15	5.86E-08	1.61E-11
phe.Fasting_rs115088919 S24	NA	rs114565620 S8	RCL1	9.00E-10	0.0367522	9.91E-07	4.78E-06	1.00E+00	4.41E-03
phe.Fasting_rs115088919 S24	NA	rs116681717 S8	DTD2	1.30E-18	5.31E-11	3.28E-14	4.37E-06	1.00E+00	4.08E-03
phe.Fasting_rs115088919 S24	NA	rs12581352 S2	NA	2.60E-18	1.06E-10	4.65E-14	1.14E-11	4.63E-04	4.18E-08
phe.Fasting_rs115088919 S24	NA	rs139070959 S8	RPN2	1.70E-18	6.96E-11	3.69E-14	1.48E-08	6.01E-01	2.63E-05
phe.Fasting_rs115088919 S24	NA	rs141072133 S8	DTD2	9.08E-19	3.71E-11	2.78E-14	7.51E-06	1.00E+00	6.42E-03
phe.Fasting_rs115088919 S24	NA	rs145412529 S8	"RBL1,RPS3A	9.72E-19	3.97E-11	2.92E-14	1.75E-07	1.00E+00	2.35E-04
phe.Fasting_rs115088919 S24	NA	rs16908547 S8	PAG1	1.11E-06	1	0.000663089	2.65E-09	1.08E-01	5.68E-06
phe.Fasting_rs115088919 S24	NA	rs60011869 S16	NA	4.21E-06	1	0.00213984	1.16E-15	4.71E-08	1.33E-11
phe.Fasting_rs115088919 S24	NA	rs75350765 S5	RCL1	9.00E-10	0.0367522	9.91E-07	4.78E-06	1.00E+00	4.41E-03
phe.Fasting_rs115120603 S24	HLA-G	rs114764631 S23	NA	2.82E-07	1	0.000195724	4.13E-09	1.68E-01	8.45E-06
phe.Fasting_rs115120603 S24	HLA-G	rs139070959 S8	RPN2	1.85E-09	0.0755239	1.94E-06	2.41E-06	1.00E+00	2.43E-03
phe.Fasting_rs115120603 S24	HLA-G	rs145412529 S8	"RBL1,RPS3A	1.03E-09	0.0420988	1.13E-06	2.51E-06	1.00E+00	2.51E-03
phe.Fasting_rs115223560 S24	NA	rs139070959 S8	RPN2	1.41E-18	5.75E-11	3.43E-14	1.16E-08	4.71E-01	2.12E-05
phe.Fasting_rs115223560 S24	NA	rs145412529 S8	"RBL1,RPS3A	7.95E-19	3.25E-11	2.70E-14	1.39E-08	5.67E-01	2.49E-05
phe.Fasting_rs11524145 S5	CDK6	rs115305957 S23	NA	2.70E-18	1.10E-10	4.80E-14	1.61E-08	6.56E-01	2.83E-05
phe.Fasting_rs11524145 S5	CDK6	rs141926074 S8	ATE1	1.78E-06	1.00E+00	1.01E-03	7.24E-06	1.00E+00	6.24E-03

phe.Fasting_	rs11524145	S5	CDK6	rs74701059	S24	C17orf102	2.79E-18	1.14E-10	4.91E-14	1.98E-08	8.04E-01	3.39E-05
phe.Fasting_	rs11524145	S5	CDK6	rs79703349	S24	C17orf102	2.79E-18	1.14E-10	4.91E-14	2.52E-08	1.00E+00	4.14E-05
phe.Fasting_	rs115554530	S8	ASNS	rs115305957	S23	NA	8.91E-17	3.64E-09	3.86E-13	1.92E-06	1.00E+00	2.00E-03
phe.Fasting_	rs115554530	S8	ASNS	rs74701059	S24	C17orf102	8.56E-17	3.50E-09	3.72E-13	2.26E-06	1.00E+00	2.30E-03
phe.Fasting_	rs115554530	S8	ASNS	rs79703349	S24	C17orf102	8.56E-17	3.50E-09	3.72E-13	2.69E-06	1.00E+00	2.67E-03
phe.Fasting_	rs115583841	S23	"HCG4,LOC5!	rs114764631	S23	NA	1.40E-11	0.00057143	2.16E-08	6.53E-09	2.66E-01	1.26E-05
phe.Fasting_	rs115583841	S23	"HCG4,LOC5!	rs139070959	S8	RPN2	2.83E-09	0.115681	2.90E-06	3.42E-06	1.00E+00	3.29E-03
phe.Fasting_	rs115583841	S23	"HCG4,LOC5!	rs145412529	S8	"RBL1,RPS3A	1.60E-09	0.0654976	1.70E-06	3.58E-06	1.00E+00	3.41E-03
phe.Fasting_	rs115586038	S5	MICA	rs112009962	S8	NA	4.72E-07	1	3.11E-04	1.65E-07	1.00E+00	2.22E-04
phe.Fasting_	rs115586038	S5	MICA	rs112348319	S8	SPTLC1	1.10E-06	1	0.000660514	7.81E-07	1.00E+00	9.01E-04
phe.Fasting_	rs115586038	S5	MICA	rs112608164	S8	SPTLC1	1.10E-06	1	0.000660514	7.81E-07	1.00E+00	9.01E-04
phe.Fasting_	rs115586038	S5	MICA	rs113568654	S12	SPTLC1	1.06E-06	1	0.000635659	3.59E-06	1.00E+00	3.42E-03
phe.Fasting_	rs115586038	S5	MICA	rs114032844	S21	NA	1.55E-08	0.633389	1.40E-05	1.84E-07	1.00E+00	2.47E-04
phe.Fasting_	rs115586038	S5	MICA	rs114565620	S8	RCL1	2.31E-05	1.00E+00	9.45E-03	1.60E-06	1.00E+00	1.70E-03
phe.Fasting_	rs115586038	S5	MICA	rs114968018	S21	NA	1.90E-08	0.775362	1.68E-05	4.92E-15	2.00E-07	4.56E-11
phe.Fasting_	rs115586038	S5	MICA	rs12581352	S2	NA	5.48E-07	1.00E+00	3.57E-04	2.84E-08	1.00E+00	4.64E-05
phe.Fasting_	rs115586038	S5	MICA	rs139070959	S8	RPN2	1.80E-07	1.00E+00	1.29E-04	1.14E-05	1.00E+00	9.04E-03
phe.Fasting_	rs115586038	S5	MICA	rs145412529	S8	"RBL1,RPS3A	1.05E-07	1.00E+00	7.96E-05	1.25E-05	1.00E+00	9.72E-03
phe.Fasting_	rs115586038	S5	MICA	rs75350765	S5	RCL1	2.31E-05	1	0.00945364	1.60E-06	1.00E+00	1.70E-03
phe.Fasting_	rs115586038	S5	MICA	rs75374128	S5	CNTLN	3.56E-06	1	0.00183843	7.27E-08	1.00E+00	1.07E-04
phe.Fasting_	rs115586038	S5	MICA	rs75864203	S8	CNTLN	3.56E-06	1	1.84E-03	7.27E-08	1.00E+00	1.07E-04
phe.Fasting_	rs115586038	S5	MICA	rs76542405	S5	SPTLC1	1.10E-06	1	6.61E-04	7.81E-07	1.00E+00	9.01E-04
phe.Fasting_	rs115586038	S5	MICA	rs76844308	S8	CNTLN	1.69E-06	1.00E+00	9.68E-04	8.06E-08	1.00E+00	1.17E-04
phe.Fasting_	rs115586038	S5	MICA	rs77523818	S7	SPTLC1	1.10E-06	1.00E+00	6.61E-04	7.81E-07	1.00E+00	9.01E-04
phe.Fasting_	rs115586038	S5	MICA	rs78722272	S5	CNTLN	3.56E-06	1.00E+00	1.84E-03	7.56E-08	1.00E+00	1.10E-04
phe.Fasting_	rs115688876	S24	LOC554223	rs114764631	S23	NA	2.82E-07	1	0.000195724	3.92E-09	1.60E-01	8.06E-06
phe.Fasting_	rs115688876	S24	LOC554223	rs139070959	S8	RPN2	1.85E-09	0.0755239	1.94E-06	2.29E-06	1.00E+00	2.33E-03
phe.Fasting_	rs115688876	S24	LOC554223	rs145412529	S8	"RBL1,RPS3A	1.03E-09	0.0420988	1.13E-06	2.38E-06	1.00E+00	2.40E-03
phe.Fasting_	rs115752779	S19	NA	rs139070959	S8	RPN2	2.80E-17	1.15E-09	1.64E-13	1.96E-12	7.97E-05	8.52E-09
phe.Fasting_	rs115752779	S19	NA	rs145412529	S8	"RBL1,RPS3A	1.67E-17	6.80E-10	1.26E-13	2.21E-12	9.01E-05	9.56E-09
phe.Fasting_	rs115752779	S19	NA	rs4820499	S10	PAC3IN2	1.87E-14	7.63E-07	4.66E-11	9.81E-06	1.00E+00	8.02E-03
phe.Fasting_	rs115752779	S19	NA	rs56398234	S8	LRCH1	1.37E-07	1	0.000101115	9.48E-08	1.00E+00	1.35E-04
phe.Fasting_	rs115752779	S19	NA	rs57503635	S3	NA	2.42E-16	9.88E-09	8.21E-13	6.72E-14	2.74E-06	4.55E-10
phe.Fasting_	rs115752779	S19	NA	rs7511534	S12	PAC3IN2	9.52E-15	3.89E-07	2.43E-11	1.15E-05	1.00E+00	9.10E-03
phe.Fasting_	rs115787552	S5	KPNA3	rs140524622	S7	MRPL10	3.78E-08	1	3.18E-05	1.56E-16	6.34E-09	6.88E-12
phe.Fasting_	rs115787552	S5	KPNA3	rs57503635	S3	NA	1.29E-15	5.25E-08	3.74E-12	4.33E-15	1.76E-07	4.03E-11
phe.Fasting_	rs115787552	S5	KPNA3	rs7256517	S7	CYTH2	1.78E-05	1	0.00753655	1.17E-06	1.00E+00	1.30E-03
phe.Fasting_	rs115787552	S5	KPNA3	rs75506779	S5	TMCO3	2.52E-06	1	0.00136748	2.54E-15	1.03E-07	2.48E-11
phe.Fasting_	rs115868643	S23	LOC554223	rs114764631	S23	NA	8.80E-12	0.000359291	1.46E-08	6.52E-09	2.65E-01	1.26E-05
phe.Fasting_	rs115868643	S23	LOC554223	rs139070959	S8	RPN2	1.87E-09	0.0761727	1.96E-06	3.41E-06	1.00E+00	3.28E-03

phe.Fasting_rs115868643 S23	LOC554223	rs145412529 S8	"RBL1,RPS3A	1.05E-09	0.0427011	1.14E-06	3.56E-06	1.00E+00	3.40E-03
phe.Fasting_rs11586977 S24	ALPL	rs73392640 S8	POLR3B	4.16E-06	1	0.00211971	3.12E-08	1.00E+00	5.01E-05
phe.Fasting_rs11587694 S5	LUZP1	rs112348319 S8	SPTLC1	4.50E-06	1	0.00227012	3.81E-07	1.00E+00	4.70E-04
phe.Fasting_rs11587694 S5	LUZP1	rs112608164 S8	SPTLC1	4.50E-06	1	0.00227012	3.81E-07	1.00E+00	4.70E-04
phe.Fasting_rs11587694 S5	LUZP1	rs113568654 S12	SPTLC1	4.19E-06	1	0.002133	2.88E-06	1.00E+00	2.82E-03
phe.Fasting_rs11587694 S5	LUZP1	rs76542405 S5	SPTLC1	4.50E-06	1	0.00227012	3.81E-07	1.00E+00	4.70E-04
phe.Fasting_rs11587694 S5	LUZP1	rs77523818 S7	SPTLC1	4.50E-06	1	0.00227012	3.81E-07	1.00E+00	4.70E-04
phe.Fasting_rs115888477 S8	NA	rs140524622 S7	MRPL10	1.98E-07	1	0.000140985	1.60E-16	6.53E-09	6.90E-12
phe.Fasting_rs115888477 S8	NA	rs57503635 S3	NA	8.77E-15	3.58E-07	2.24E-11	7.79E-16	3.17E-08	1.16E-11
phe.Fasting_rs115888477 S8	NA	rs7256517 S7	CYTH2	2.35E-14	9.59E-07	5.79E-11	1.77E-07	1.00E+00	2.38E-04
phe.Fasting_rs115888477 S8	NA	rs73619637 S8	NA	1.18E-14	4.80E-07	2.99E-11	4.77E-06	1.00E+00	4.40E-03
phe.Fasting_rs115888477 S8	NA	rs75506779 S5	TMCO3	1.13E-15	4.60E-08	3.30E-12	3.86E-16	1.57E-08	1.16E-11
phe.Fasting_rs115924449 S23	HLA-G	rs114764631 S23	NA	2.82E-07	1	0.000195724	4.13E-09	1.68E-01	8.45E-06
phe.Fasting_rs115924449 S23	HLA-G	rs139070959 S8	RPN2	1.85E-09	0.0755239	1.94E-06	2.41E-06	1.00E+00	2.43E-03
phe.Fasting_rs115924449 S23	HLA-G	rs145412529 S8	"RBL1,RPS3A	1.03E-09	0.0420988	1.13E-06	2.51E-06	1.00E+00	2.51E-03
phe.Fasting_rs115967895 S6	MICA	rs112009962 S8	NA	8.91E-08	1	6.88E-05	7.86E-07	1.00E+00	9.06E-04
phe.Fasting_rs115967895 S6	MICA	rs113568654 S12	SPTLC1	8.16E-11	0.00333254	1.08E-07	1.06E-06	1.00E+00	1.19E-03
phe.Fasting_rs115967895 S6	MICA	rs115554530 S8	ASNS	1.41E-12	5.74E-05	2.76E-09	9.29E-06	1.00E+00	7.68E-03
phe.Fasting_rs115967895 S6	MICA	rs12581352 S2	NA	4.69E-09	0.191622	4.61E-06	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs116011837 S9	BRD2	rs112089881 S8	ZFAND4	2.75E-18	1.12E-10	4.87E-14	2.89E-17	1.18E-09	2.81E-12
phe.Fasting_rs116011837 S9	BRD2	rs112348319 S8	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	1.89E-03	1.51E-07
phe.Fasting_rs116011837 S9	BRD2	rs112608164 S8	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	1.89E-03	1.51E-07
phe.Fasting_rs116011837 S9	BRD2	rs113568654 S12	SPTLC1	7.73E-14	3.16E-06	1.78E-10	2.81E-10	1.14E-02	7.68E-07
phe.Fasting_rs116011837 S9	BRD2	rs114334325 S7	AP3M2	5.95E-16	2.43E-08	1.84E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_rs116011837 S9	BRD2	rs114394395 S7	AP3M2	6.40E-16	2.61E-08	1.97E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_rs116011837 S9	BRD2	rs114565620 S8	RCL1	1.29E-17	5.27E-10	1.08E-13	2.80E-12	1.14E-04	1.19E-08
phe.Fasting_rs116011837 S9	BRD2	rs115083290 S19	NA	7.17E-17	2.93E-09	3.22E-13	1.49E-08	6.07E-01	2.65E-05
phe.Fasting_rs116011837 S9	BRD2	rs115305957 S23	NA	6.33E-14	2.59E-06	1.47E-10	5.30E-07	1.00E+00	6.31E-04
phe.Fasting_rs116011837 S9	BRD2	rs115752779 S19	NA	7.17E-17	2.93E-09	3.22E-13	1.49E-08	6.07E-01	2.65E-05
phe.Fasting_rs116011837 S9	BRD2	rs115787552 S5	KPNA3	6.47E-12	0.000264296	1.13E-08	5.11E-15	2.08E-07	4.70E-11
phe.Fasting_rs116011837 S9	BRD2	rs115888477 S8	NA	2.63E-11	0.00107232	3.78E-08	1.14E-15	4.64E-08	1.31E-11
phe.Fasting_rs116011837 S9	BRD2	rs116079984 S8	KPNA3	6.47E-12	0.000264296	1.13E-08	8.10E-15	3.30E-07	7.15E-11
phe.Fasting_rs116011837 S9	BRD2	rs11612419 S8	NRIP2	3.68E-06	1.00E+00	1.90E-03	8.64E-06	1.00E+00	7.24E-03
phe.Fasting_rs116011837 S9	BRD2	rs116406581 S2	NA	2.60E-15	1.06E-07	7.29E-12	4.98E-14	2.03E-06	3.45E-10
phe.Fasting_rs116011837 S9	BRD2	rs116548615 S8	TMEM45B	2.55E-17	1.04E-09	1.58E-13	2.14E-12	8.73E-05	9.31E-09
phe.Fasting_rs116011837 S9	BRD2	rs116696844 S3	AP3M2	9.71E-16	3.96E-08	2.89E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_rs116011837 S9	BRD2	rs140524622 S7	MRPL10	1.84E-06	1.00E+00	1.04E-03	1.09E-10	4.44E-03	3.32E-07
phe.Fasting_rs116011837 S9	BRD2	rs141926074 S8	ATE1	4.36E-18	1.78E-10	6.36E-14	8.52E-14	3.47E-06	5.69E-10
phe.Fasting_rs116011837 S9	BRD2	rs146815317 S5	KPNA3	6.47E-12	2.64E-04	1.13E-08	5.11E-15	2.08E-07	4.70E-11
phe.Fasting_rs116011837 S9	BRD2	rs150117838 S8	KPNA3	6.47E-12	2.64E-04	1.13E-08	6.64E-15	2.70E-07	5.95E-11

phe.Fasting_rs116011837S9	BRD2	rs16908547	S8	PAG1	1.95E-10	7.98E-03	2.41E-07	4.34E-10	1.77E-02	1.14E-06
phe.Fasting_rs116011837S9	BRD2	rs16929995	S8	NRIP2	3.26E-06	1	0.00170342	8.67E-06	1.00E+00	7.26E-03
phe.Fasting_rs116011837S9	BRD2	rs366767	S5	ZC3H3	1.08E-13	4.41E-06	2.45E-10	9.53E-13	3.88E-05	4.53E-09
phe.Fasting_rs116011837S9	BRD2	rs57503635	S3	NA	1.10E-16	4.48E-09	4.61E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs116011837S9	BRD2	rs60011869	S16	NA	8.30E-12	3.39E-04	1.38E-08	4.47E-10	1.82E-02	1.17E-06
phe.Fasting_rs116011837S9	BRD2	rs7004597	S8	NA	5.95E-16	2.43E-08	1.84E-12	4.49E-14	1.83E-06	3.12E-10
phe.Fasting_rs116011837S9	BRD2	rs7256517	S7	CYTH2	2.03E-16	8.29E-09	7.05E-13	1.06E-09	4.30E-02	2.50E-06
phe.Fasting_rs116011837S9	BRD2	rs7307516	S8	NRIP2	3.50E-06	1	0.00181368	8.55E-06	1.00E+00	7.17E-03
phe.Fasting_rs116011837S9	BRD2	rs73619637	S8	NA	5.81E-06	1	0.00284598	1.82E-12	7.40E-05	7.96E-09
phe.Fasting_rs116011837S9	BRD2	rs74701059	S24	C17orf102	5.18E-14	2.12E-06	1.22E-10	2.10E-08	8.56E-01	3.59E-05
phe.Fasting_rs116011837S9	BRD2	rs74914207	S24	NA	8.13E-10	0.0331811	9.00E-07	3.61E-08	1.00E+00	5.73E-05
phe.Fasting_rs116011837S9	BRD2	rs75350765	S5	RCL1	1.29E-17	5.27E-10	1.08E-13	2.80E-12	1.14E-04	1.19E-08
phe.Fasting_rs116011837S9	BRD2	rs75374128	S5	CNTLN	1.61E-13	6.59E-06	3.62E-10	5.08E-06	1.00E+00	4.63E-03
phe.Fasting_rs116011837S9	BRD2	rs75506779	S5	TMCO3	3.56E-12	0.000145372	6.43E-09	2.91E-08	1.00E+00	4.74E-05
phe.Fasting_rs116011837S9	BRD2	rs75758702	S24	NA	1.02E-17	4.19E-10	9.80E-14	4.31E-10	1.75E-02	1.13E-06
phe.Fasting_rs116011837S9	BRD2	rs75864203	S8	CNTLN	1.61E-13	6.59E-06	3.62E-10	5.08E-06	1.00E+00	4.63E-03
phe.Fasting_rs116011837S9	BRD2	rs76542405	S5	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	1.89E-03	1.51E-07
phe.Fasting_rs116011837S9	BRD2	rs76844308	S8	CNTLN	6.35E-14	2.59E-06	1.48E-10	5.33E-06	1.00E+00	4.84E-03
phe.Fasting_rs116011837S9	BRD2	rs77523818	S7	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	1.89E-03	1.51E-07
phe.Fasting_rs116011837S9	BRD2	rs77798597	S7	KPNA3	6.47E-12	0.000264296	1.13E-08	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs116011837S9	BRD2	rs77845645	S21	NA	2.95E-17	1.20E-09	1.69E-13	9.77E-06	1.00E+00	8.01E-03
phe.Fasting_rs116011837S9	BRD2	rs78353402	S8	AP3M2	5.95E-16	2.43E-08	1.84E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_rs116011837S9	BRD2	rs78516788	S8	SLC38A1	2.24E-06	1.00E+00	1.24E-03	1.00E-12	4.08E-05	4.74E-09
phe.Fasting_rs116011837S9	BRD2	rs78722272	S5	CNTLN	1.61E-13	6.59E-06	3.62E-10	5.19E-06	1.00E+00	4.72E-03
phe.Fasting_rs116011837S9	BRD2	rs78736524	S5	KPNA3	6.47E-12	2.64E-04	1.13E-08	5.11E-15	2.08E-07	4.70E-11
phe.Fasting_rs116011837S9	BRD2	rs79703349	S24	C17orf102	5.18E-14	2.12E-06	1.22E-10	5.11E-11	2.08E-03	1.65E-07
phe.Fasting_rs116011837S9	BRD2	rs79781495	S8	KPNA3	6.47E-12	2.64E-04	1.13E-08	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs116011837S9	BRD2	rs79886603	S15	NA	2.25E-08	9.20E-01	1.97E-05	5.60E-14	2.28E-06	3.85E-10
phe.Fasting_rs116011837S9	BRD2	rs80200953	S8	PPP2R5D	1.34E-06	1.00E+00	7.87E-04	3.69E-10	1.50E-02	9.76E-07
phe.Fasting_rs116011837S9	BRD2	rs80332465	S5	KPNA3	6.98E-12	2.85E-04	1.20E-08	8.15E-15	3.32E-07	7.19E-11
phe.Fasting_rs116011837S9	BRD2	rs80334773	S5	KPNA3	6.98E-12	2.85E-04	1.20E-08	8.15E-15	3.32E-07	7.19E-11
phe.Fasting_rs116079984S8	KPNA3	rs140524622	S7	MRPL10	3.78E-08	1.00E+00	3.18E-05	1.95E-16	7.95E-09	7.69E-12
phe.Fasting_rs116079984S8	KPNA3	rs57503635	S3	NA	1.29E-15	5.25E-08	3.74E-12	5.16E-15	2.10E-07	4.74E-11
phe.Fasting_rs116079984S8	KPNA3	rs7256517	S7	CYTH2	1.78E-05	1.00E+00	7.54E-03	1.65E-06	1.00E+00	1.74E-03
phe.Fasting_rs116079984S8	KPNA3	rs75506779	S5	TMCO3	2.52E-06	1.00E+00	1.37E-03	4.53E-15	1.85E-07	4.21E-11
phe.Fasting_rs116080931S23	HLA-G	rs114764631	S23	NA	2.82E-07	1.00E+00	1.96E-04	4.13E-09	1.68E-01	8.45E-06
phe.Fasting_rs116080931S23	HLA-G	rs139070959	S8	RPN2	1.85E-09	7.55E-02	1.94E-06	2.41E-06	1.00E+00	2.43E-03
phe.Fasting_rs116080931S23	HLA-G	rs145412529	S8	"RBL1,RPS3A	1.03E-09	4.21E-02	1.13E-06	2.51E-06	1.00E+00	2.51E-03
phe.Fasting_rs116120727S9	BRD2	rs112089881	S8	ZFAND4	2.75E-18	1.12E-10	4.87E-14	2.89E-17	1.18E-09	2.81E-12
phe.Fasting_rs116120727S9	BRD2	rs112348319	S8	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	1.89E-03	1.51E-07

phe.Fasting_rs116120727 S9	BRD2	rs112608164 S8	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	1.89E-03	1.51E-07
phe.Fasting_rs116120727 S9	BRD2	rs113568654 S12	SPTLC1	7.73E-14	3.16E-06	1.78E-10	2.81E-10	1.14E-02	7.68E-07
phe.Fasting_rs116120727 S9	BRD2	rs114334325 S7	AP3M2	5.95E-16	2.43E-08	1.84E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_rs116120727 S9	BRD2	rs114394395 S7	AP3M2	6.40E-16	2.61E-08	1.97E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_rs116120727 S9	BRD2	rs114565620 S8	RCL1	1.29E-17	5.27E-10	1.08E-13	2.80E-12	1.14E-04	1.19E-08
phe.Fasting_rs116120727 S9	BRD2	rs115083290 S19	NA	7.17E-17	2.93E-09	3.22E-13	1.49E-08	6.07E-01	2.65E-05
phe.Fasting_rs116120727 S9	BRD2	rs115305957 S23	NA	6.33E-14	2.59E-06	1.47E-10	5.30E-07	1.00E+00	6.31E-04
phe.Fasting_rs116120727 S9	BRD2	rs115752779 S19	NA	7.17E-17	2.93E-09	3.22E-13	1.49E-08	6.07E-01	2.65E-05
phe.Fasting_rs116120727 S9	BRD2	rs115787552 S5	KPNA3	6.47E-12	2.64E-04	1.13E-08	5.11E-15	2.08E-07	4.70E-11
phe.Fasting_rs116120727 S9	BRD2	rs115888477 S8	NA	2.63E-11	1.07E-03	3.78E-08	1.14E-15	4.64E-08	1.31E-11
phe.Fasting_rs116120727 S9	BRD2	rs116079984 S8	KPNA3	6.47E-12	2.64E-04	1.13E-08	8.10E-15	3.30E-07	7.15E-11
phe.Fasting_rs116120727 S9	BRD2	rs11612419 S8	NRIP2	3.68E-06	1.00E+00	1.90E-03	8.64E-06	1.00E+00	7.24E-03
phe.Fasting_rs116120727 S9	BRD2	rs116406581 S2	NA	2.60E-15	1.06E-07	7.29E-12	4.98E-14	2.03E-06	3.45E-10
phe.Fasting_rs116120727 S9	BRD2	rs116548615 S8	TMEM45B	2.55E-17	1.04E-09	1.58E-13	2.14E-12	8.73E-05	9.31E-09
phe.Fasting_rs116120727 S9	BRD2	rs116696844 S3	AP3M2	9.71E-16	3.96E-08	2.89E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_rs116120727 S9	BRD2	rs140524622 S7	MRPL10	1.84E-06	1.00E+00	1.04E-03	1.09E-10	4.44E-03	3.32E-07
phe.Fasting_rs116120727 S9	BRD2	rs141926074 S8	ATE1	4.36E-18	1.78E-10	6.36E-14	8.52E-14	3.47E-06	5.69E-10
phe.Fasting_rs116120727 S9	BRD2	rs146815317 S5	KPNA3	6.47E-12	2.64E-04	1.13E-08	5.11E-15	2.08E-07	4.70E-11
phe.Fasting_rs116120727 S9	BRD2	rs150117838 S8	KPNA3	6.47E-12	2.64E-04	1.13E-08	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs116120727 S9	BRD2	rs16908547 S8	PAG1	1.95E-10	7.98E-03	2.41E-07	4.34E-10	1.77E-02	1.14E-06
phe.Fasting_rs116120727 S9	BRD2	rs16929995 S8	NRIP2	3.26E-06	1.00E+00	1.70E-03	8.67E-06	1.00E+00	7.26E-03
phe.Fasting_rs116120727 S9	BRD2	rs366767 S5	ZC3H3	1.08E-13	4.41E-06	2.45E-10	9.53E-13	3.88E-05	4.53E-09
phe.Fasting_rs116120727 S9	BRD2	rs57503635 S3	NA	1.10E-16	4.48E-09	4.61E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs116120727 S9	BRD2	rs60011869 S16	NA	8.30E-12	3.39E-04	1.38E-08	4.47E-10	1.82E-02	1.17E-06
phe.Fasting_rs116120727 S9	BRD2	rs7004597 S8	NA	5.95E-16	2.43E-08	1.84E-12	4.49E-14	1.83E-06	3.12E-10
phe.Fasting_rs116120727 S9	BRD2	rs7256517 S7	CYTH2	2.03E-16	8.29E-09	7.05E-13	1.06E-09	4.30E-02	2.50E-06
phe.Fasting_rs116120727 S9	BRD2	rs7307516 S8	NRIP2	3.50E-06	1.00E+00	1.81E-03	8.55E-06	1.00E+00	7.17E-03
phe.Fasting_rs116120727 S9	BRD2	rs73619637 S8	NA	5.81E-06	1.00E+00	2.85E-03	1.82E-12	7.40E-05	7.96E-09
phe.Fasting_rs116120727 S9	BRD2	rs74701059 S24	C17orf102	5.18E-14	2.12E-06	1.22E-10	2.10E-08	8.56E-01	3.59E-05
phe.Fasting_rs116120727 S9	BRD2	rs74914207 S24	NA	8.13E-10	3.32E-02	9.00E-07	3.61E-08	1.00E+00	5.73E-05
phe.Fasting_rs116120727 S9	BRD2	rs75350765 S5	RCL1	1.29E-17	5.27E-10	1.08E-13	2.80E-12	1.14E-04	1.19E-08
phe.Fasting_rs116120727 S9	BRD2	rs75374128 S5	CNTLN	1.61E-13	6.59E-06	3.62E-10	5.08E-06	1.00E+00	4.63E-03
phe.Fasting_rs116120727 S9	BRD2	rs75506779 S5	TMCO3	3.56E-12	1.45E-04	6.43E-09	2.91E-08	1.00E+00	4.74E-05
phe.Fasting_rs116120727 S9	BRD2	rs75758702 S24	NA	1.02E-17	4.19E-10	9.80E-14	4.31E-10	1.75E-02	1.13E-06
phe.Fasting_rs116120727 S9	BRD2	rs75864203 S8	CNTLN	1.61E-13	6.59E-06	3.62E-10	5.08E-06	1.00E+00	4.63E-03
phe.Fasting_rs116120727 S9	BRD2	rs76542405 S5	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	1.89E-03	1.51E-07
phe.Fasting_rs116120727 S9	BRD2	rs76844308 S8	CNTLN	6.35E-14	2.59E-06	1.48E-10	5.33E-06	1.00E+00	4.84E-03
phe.Fasting_rs116120727 S9	BRD2	rs77523818 S7	SPTLC1	9.09E-14	3.71E-06	2.08E-10	4.63E-11	1.89E-03	1.51E-07
phe.Fasting_rs116120727 S9	BRD2	rs77798597 S7	KPNA3	6.47E-12	2.64E-04	1.13E-08	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs116120727 S9	BRD2	rs77845645 S21	NA	2.95E-17	1.20E-09	1.69E-13	9.77E-06	1.00E+00	8.01E-03

phe.Fasting_	rs116120727	S9	BRD2	rs78353402	S8	AP3M2	5.95E-16	2.43E-08	1.84E-12	7.47E-14	3.04E-06	5.01E-10
phe.Fasting_	rs116120727	S9	BRD2	rs78516788	S8	SLC38A1	2.24E-06	1.00E+00	1.24E-03	1.00E-12	4.08E-05	4.74E-09
phe.Fasting_	rs116120727	S9	BRD2	rs78722272	S5	CNTLN	1.61E-13	6.59E-06	3.62E-10	5.19E-06	1.00E+00	4.72E-03
phe.Fasting_	rs116120727	S9	BRD2	rs78736524	S5	KPNA3	6.47E-12	2.64E-04	1.13E-08	5.11E-15	2.08E-07	4.70E-11
phe.Fasting_	rs116120727	S9	BRD2	rs79703349	S24	C17orf102	5.18E-14	2.12E-06	1.22E-10	5.11E-11	2.08E-03	1.65E-07
phe.Fasting_	rs116120727	S9	BRD2	rs79781495	S8	KPNA3	6.47E-12	2.64E-04	1.13E-08	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_	rs116120727	S9	BRD2	rs79886603	S15	NA	2.25E-08	9.20E-01	1.97E-05	5.60E-14	2.28E-06	3.85E-10
phe.Fasting_	rs116120727	S9	BRD2	rs80200953	S8	PPP2R5D	1.34E-06	1.00E+00	7.87E-04	3.69E-10	1.50E-02	9.76E-07
phe.Fasting_	rs116120727	S9	BRD2	rs80332465	S5	KPNA3	6.98E-12	2.85E-04	1.20E-08	8.15E-15	3.32E-07	7.19E-11
phe.Fasting_	rs116120727	S9	BRD2	rs80334773	S5	KPNA3	6.98E-12	2.85E-04	1.20E-08	8.15E-15	3.32E-07	7.19E-11
phe.Fasting_	rs116129306	S3	MICA	rs114565620	S8	RCL1	2.27E-05	1.00E+00	9.31E-03	1.11E-06	1.00E+00	1.24E-03
phe.Fasting_	rs116129306	S3	MICA	rs12581352	S2	NA	5.03E-07	1.00E+00	3.30E-04	2.80E-08	1.00E+00	4.57E-05
phe.Fasting_	rs116129306	S3	MICA	rs139070959	S8	RPN2	1.60E-07	1.00E+00	1.16E-04	6.64E-06	1.00E+00	5.80E-03
phe.Fasting_	rs116129306	S3	MICA	rs75350765	S5	RCL1	2.27E-05	1.00E+00	9.31E-03	1.11E-06	1.00E+00	1.24E-03
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs112089881	S8	ZFAND4	1.96E-18	7.99E-11	4.03E-14	3.02E-10	1.23E-02	8.15E-07
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs112091318	S5	TMEM64	1.52E-05	1.00E+00	6.58E-03	2.56E-07	1.00E+00	3.30E-04
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs114334325	S7	AP3M2	8.70E-16	3.55E-08	2.60E-12	5.52E-06	1.00E+00	4.97E-03
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs114394395	S7	AP3M2	9.30E-16	3.80E-08	2.77E-12	5.52E-06	1.00E+00	4.97E-03
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs114565620	S8	RCL1	1.29E-17	5.26E-10	1.08E-13	1.39E-08	5.66E-01	2.49E-05
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs115305957	S23	NA	1.81E-05	1.00E+00	7.66E-03	1.43E-12	5.82E-05	6.44E-09
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs115787552	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs115888477	S8	NA	2.72E-15	1.11E-07	7.62E-12	7.36E-15	3.00E-07	6.53E-11
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs116011837	S9	BRD2	1.05E-06	1.00E+00	6.32E-04	6.95E-14	2.83E-06	4.69E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs116079984	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.48E-14	1.82E-06	3.11E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs116120727	S9	BRD2	1.05E-06	1.00E+00	6.32E-04	6.95E-14	2.83E-06	4.69E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs116406581	S2	NA	3.68E-15	1.50E-07	9.90E-12	3.30E-06	1.00E+00	3.18E-03
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs116548615	S8	TMEM45B	2.04E-17	8.34E-10	1.43E-13	7.86E-12	3.20E-04	2.98E-08
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs116696844	S3	AP3M2	1.40E-15	5.70E-08	4.02E-12	5.52E-06	1.00E+00	4.97E-03
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs146815317	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs150117838	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs16894241	S4	HIST1H2BK	1.90E-07	1.00E+00	1.36E-04	1.18E-14	4.80E-07	1.01E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs2153597	S8	ZNF438	5.42E-12	2.22E-04	9.59E-09	5.42E-06	1.00E+00	4.90E-03
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs352346	S3	GRPEL2	2.27E-07	1.00E+00	1.60E-04	1.07E-05	1.00E+00	8.65E-03
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs57503635	S3	NA	7.95E-08	1.00E+00	6.20E-05	1.16E-14	4.73E-07	1.00E-10
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs60011869	S16	NA	1.45E-06	1.00E+00	8.45E-04	3.19E-10	1.30E-02	8.56E-07
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs7004597	S8	NA	8.70E-16	3.55E-08	2.60E-12	3.26E-06	1.00E+00	3.15E-03
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs7256517	S7	CYTH2	1.38E-16	5.63E-09	5.47E-13	2.91E-10	1.18E-02	7.91E-07
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs73392640	S8	POLR3B	3.00E-11	0.00122354	4.24E-08	4.09E-10	1.66E-02	1.07E-06
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs74627895	S8	TMEM64	1.52E-05	1	0.0065785	1.28E-07	1.00E+00	1.77E-04
phe.Fasting_	rs116279995	S20	"PCDHGA4,	Prs74701059	S24	C17orf102	1.84E-05	1.00E+00	7.76E-03	2.11E-12	8.58E-05	9.15E-09

phe.Fasting_rs116279995 S20	"PCDHGA4,Prs74914207 S24	NA	1.23E-11	5.03E-04	1.92E-08	1.49E-07	1.00E+00	2.03E-04
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs75350765 S5	RCL1	1.29E-17	5.26E-10	1.08E-13	1.39E-08	5.66E-01	2.49E-05
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs75374128 S5	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.01E-06	1.00E+00	2.08E-03
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs75758702 S24	NA	7.70E-18	3.14E-10	8.50E-14	6.42E-10	2.61E-02	1.61E-06
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs75864203 S8	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.01E-06	1.00E+00	2.08E-03
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs76844308 S8	CNTLN	7.07E-18	2.89E-10	8.18E-14	1.78E-06	1.00E+00	1.87E-03
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs7763107 S8	FARS2	2.63E-08	1.00E+00	2.28E-05	3.07E-10	1.25E-02	8.27E-07
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs77798597 S7	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs77845645 S21	NA	2.15E-07	1.00E+00	1.52E-04	2.70E-11	1.10E-03	9.29E-08
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs78353402 S8	AP3M2	8.70E-16	3.55E-08	2.60E-12	5.52E-06	1.00E+00	4.97E-03
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs78516788 S8	SLC38A1	3.43E-12	1.40E-04	6.23E-09	7.67E-09	3.12E-01	1.47E-05
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs78697063 S5	MSI2	4.23E-20	1.73E-12	2.23E-14	2.49E-10	1.01E-02	6.85E-07
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs78722272 S5	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.07E-06	1.00E+00	2.14E-03
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs78736524 S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs79703349 S24	C17orf102	1.84E-05	1.00E+00	7.76E-03	2.63E-12	1.07E-04	1.13E-08
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs79781495 S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs79886603 S15	NA	1.10E-08	4.48E-01	1.01E-05	9.00E-06	1.00E+00	7.49E-03
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs80200953 S8	PPP2R5D	1.32E-08	5.39E-01	1.20E-05	3.10E-06	1.00E+00	3.01E-03
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs80332465 S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs116279995 S20	"PCDHGA4,Prs80334773 S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs116354769 S23	HLA-G rs114764631 S23	NA	2.82E-07	1.00E+00	1.96E-04	4.13E-09	1.68E-01	8.45E-06
phe.Fasting_rs116354769 S23	HLA-G rs139070959 S8	RPN2	1.85E-09	0.0755239	1.94E-06	2.41E-06	1.00E+00	2.43E-03
phe.Fasting_rs116354769 S23	HLA-G rs145412529 S8	"RBL1,RPS3A	1.03E-09	0.0420988	1.13E-06	2.51E-06	1.00E+00	2.51E-03
phe.Fasting_rs116406581 S2	NA rs111576333 S5	TMEM64	5.02E-15	2.05E-07	1.31E-11	4.12E-08	1.00E+00	6.44E-05
phe.Fasting_rs116406581 S2	NA rs112089881 S8	ZFAND4	9.39E-09	3.84E-01	8.82E-06	1.95E-06	1.00E+00	2.03E-03
phe.Fasting_rs116406581 S2	NA rs112091318 S5	TMEM64	1.37E-15	5.60E-08	3.96E-12	1.54E-08	6.27E-01	2.73E-05
phe.Fasting_rs116406581 S2	NA rs11989304 S4	TMEM64	5.02E-15	2.05E-07	1.31E-11	8.19E-07	1.00E+00	9.41E-04
phe.Fasting_rs116406581 S2	NA rs141926074 S8	ATE1	2.29E-16	9.33E-09	7.77E-13	2.01E-08	8.17E-01	3.45E-05
phe.Fasting_rs116406581 S2	NA rs1470889 S5	ZC3H3	1.86E-08	7.60E-01	1.65E-05	5.11E-09	2.08E-01	1.01E-05
phe.Fasting_rs116406581 S2	NA rs1470890 S5	ZC3H3	1.86E-08	7.60E-01	1.65E-05	5.11E-09	2.08E-01	1.01E-05
phe.Fasting_rs116406581 S2	NA rs2924507 S5	ZC3H3	1.86E-08	7.60E-01	1.65E-05	5.11E-09	2.08E-01	1.01E-05
phe.Fasting_rs116406581 S2	NA rs2924508 S8	ZC3H3	1.86E-08	7.60E-01	1.65E-05	6.37E-09	2.59E-01	1.24E-05
phe.Fasting_rs116406581 S2	NA rs2924511 S7	ZC3H3	1.86E-08	7.60E-01	1.65E-05	4.40E-09	1.79E-01	8.96E-06
phe.Fasting_rs116406581 S2	NA rs2924512 S7	ZC3H3	2.04E-08	8.33E-01	1.80E-05	5.75E-09	2.34E-01	1.13E-05
phe.Fasting_rs116406581 S2	NA rs2956376 S8	ZC3H3	1.86E-08	7.60E-01	1.65E-05	2.82E-09	1.15E-01	6.01E-06
phe.Fasting_rs116406581 S2	NA rs2980270 S7	ZC3H3	1.86E-08	7.60E-01	1.65E-05	2.82E-09	1.15E-01	6.01E-06
phe.Fasting_rs116406581 S2	NA rs2980272 S7	ZC3H3	2.04E-08	8.33E-01	1.80E-05	6.20E-09	2.52E-01	1.20E-05
phe.Fasting_rs116406581 S2	NA rs2980275 S5	ZC3H3	1.86E-08	7.60E-01	1.65E-05	5.11E-09	2.08E-01	1.01E-05
phe.Fasting_rs116406581 S2	NA rs366767 S5	ZC3H3	3.62E-08	1.00E+00	3.05E-05	3.23E-09	1.32E-01	6.80E-06
phe.Fasting_rs116406581 S2	NA rs73283603 S7	ZWINT	4.09E-12	1.67E-04	7.36E-09	1.40E-06	1.00E+00	1.53E-03

phe.Fasting_	rs116406581	S2	NA	rs73392640	S8	POLR3B	3.88E-14	1.58E-06	9.32E-11	2.42E-08	9.84E-01	4.00E-05
phe.Fasting_	rs116406581	S2	NA	rs73619637	S8	NA	1.39E-13	5.67E-06	3.13E-10	4.17E-11	1.70E-03	1.37E-07
phe.Fasting_	rs116406581	S2	NA	rs74627895	S8	TMEM64	1.37E-15	5.60E-08	3.96E-12	1.34E-07	1.00E+00	1.85E-04
phe.Fasting_	rs116406581	S2	NA	rs75949566	S5	TMEM64	6.15E-15	2.51E-07	1.59E-11	1.02E-06	1.00E+00	1.15E-03
phe.Fasting_	rs116406581	S2	NA	rs78990344	S2	LOC1005063!	5.02E-15	2.05E-07	1.31E-11	8.19E-07	1.00E+00	9.41E-04
phe.Fasting_	rs116406581	S2	NA	rs8075478	S8	MYH10	8.91E-10	3.64E-02	9.82E-07	7.16E-07	1.00E+00	8.33E-04
phe.Fasting_	rs116510017	S23	LOC554223	rs114764631	S23	NA	1.40E-11	5.71E-04	2.16E-08	6.53E-09	2.66E-01	1.26E-05
phe.Fasting_	rs116510017	S23	LOC554223	rs139070959	S8	RPN2	2.83E-09	1.16E-01	2.90E-06	3.42E-06	1.00E+00	3.29E-03
phe.Fasting_	rs116510017	S23	LOC554223	rs145412529	S8	"RBL1,RPS3A	1.60E-09	6.55E-02	1.70E-06	3.58E-06	1.00E+00	3.41E-03
phe.Fasting_	rs116548615	S8	TMEM45B	rs57503635	S3	NA	8.28E-17	3.38E-09	3.63E-13	6.87E-07	1.00E+00	8.01E-04
phe.Fasting_	rs116548615	S8	TMEM45B	rs73619637	S8	NA	1.70E-16	6.94E-09	6.08E-13	2.12E-17	8.64E-10	2.33E-12
phe.Fasting_	rs116548615	S8	TMEM45B	rs8075478	S8	MYH10	1.72E-17	7.02E-10	1.28E-13	6.34E-08	1.00E+00	9.52E-05
phe.Fasting_	rs116630630	S23	HLA-G	rs114764631	S23	NA	2.82E-07	1.00E+00	1.96E-04	4.13E-09	1.68E-01	8.45E-06
phe.Fasting_	rs116630630	S23	HLA-G	rs139070959	S8	RPN2	1.85E-09	7.55E-02	1.94E-06	2.41E-06	1.00E+00	2.43E-03
phe.Fasting_	rs116630630	S23	HLA-G	rs145412529	S8	"RBL1,RPS3A	1.03E-09	4.21E-02	1.13E-06	2.51E-06	1.00E+00	2.51E-03
phe.Fasting_	rs116696844	S3	AP3M2	rs111576333	S5	TMEM64	2.15E-15	8.80E-08	6.10E-12	6.72E-08	1.00E+00	1.00E-04
phe.Fasting_	rs116696844	S3	AP3M2	rs112091318	S5	TMEM64	5.98E-16	2.44E-08	1.85E-12	3.09E-08	1.00E+00	4.98E-05
phe.Fasting_	rs116696844	S3	AP3M2	rs11989304	S4	TMEM64	2.15E-15	8.80E-08	6.10E-12	1.33E-06	1.00E+00	1.46E-03
phe.Fasting_	rs116696844	S3	AP3M2	rs141926074	S8	ATE1	8.14E-17	3.32E-09	3.58E-13	3.83E-08	1.00E+00	6.03E-05
phe.Fasting_	rs116696844	S3	AP3M2	rs1470889	S5	ZC3H3	5.38E-09	2.20E-01	5.24E-06	4.45E-07	1.00E+00	5.38E-04
phe.Fasting_	rs116696844	S3	AP3M2	rs1470890	S5	ZC3H3	5.38E-09	2.20E-01	5.24E-06	4.45E-07	1.00E+00	5.38E-04
phe.Fasting_	rs116696844	S3	AP3M2	rs2924507	S5	ZC3H3	5.38E-09	2.20E-01	5.24E-06	4.45E-07	1.00E+00	5.38E-04
phe.Fasting_	rs116696844	S3	AP3M2	rs2924508	S8	ZC3H3	5.38E-09	2.20E-01	5.24E-06	1.22E-08	4.96E-01	2.22E-05
phe.Fasting_	rs116696844	S3	AP3M2	rs2924511	S7	ZC3H3	5.38E-09	2.20E-01	5.24E-06	3.96E-07	1.00E+00	4.84E-04
phe.Fasting_	rs116696844	S3	AP3M2	rs2924512	S7	ZC3H3	6.00E-09	2.45E-01	5.81E-06	5.18E-07	1.00E+00	6.17E-04
phe.Fasting_	rs116696844	S3	AP3M2	rs2956376	S8	ZC3H3	5.38E-09	2.20E-01	5.24E-06	2.73E-07	1.00E+00	3.49E-04
phe.Fasting_	rs116696844	S3	AP3M2	rs2980270	S7	ZC3H3	5.38E-09	2.20E-01	5.24E-06	2.73E-07	1.00E+00	3.49E-04
phe.Fasting_	rs116696844	S3	AP3M2	rs2980272	S7	ZC3H3	6.00E-09	2.45E-01	5.81E-06	5.49E-07	1.00E+00	6.52E-04
phe.Fasting_	rs116696844	S3	AP3M2	rs2980275	S5	ZC3H3	5.38E-09	2.20E-01	5.24E-06	4.45E-07	1.00E+00	5.38E-04
phe.Fasting_	rs116696844	S3	AP3M2	rs366767	S5	ZC3H3	1.06E-08	4.32E-01	9.81E-06	3.06E-07	1.00E+00	3.86E-04
phe.Fasting_	rs116696844	S3	AP3M2	rs73283603	S7	ZWINT	2.54E-12	1.04E-04	4.70E-09	2.55E-06	1.00E+00	2.54E-03
phe.Fasting_	rs116696844	S3	AP3M2	rs73392640	S8	POLR3B	1.41E-14	5.75E-07	3.56E-11	5.32E-08	1.00E+00	8.11E-05
phe.Fasting_	rs116696844	S3	AP3M2	rs73619637	S8	NA	4.88E-14	1.99E-06	1.15E-10	5.78E-11	2.35E-03	1.85E-07
phe.Fasting_	rs116696844	S3	AP3M2	rs74627895	S8	TMEM64	5.98E-16	2.44E-08	1.85E-12	2.74E-07	1.00E+00	3.50E-04
phe.Fasting_	rs116696844	S3	AP3M2	rs75949566	S5	TMEM64	2.66E-15	1.09E-07	7.46E-12	1.63E-06	1.00E+00	1.72E-03
phe.Fasting_	rs116696844	S3	AP3M2	rs78990344	S2	LOC1005063!	2.15E-15	8.80E-08	6.10E-12	1.33E-06	1.00E+00	1.46E-03
phe.Fasting_	rs116696844	S3	AP3M2	rs8075478	S8	MYH10	4.16E-10	1.70E-02	4.82E-07	1.26E-06	1.00E+00	1.38E-03
phe.Fasting_	rs116708491	S5	MICA	rs112009962	S8	NA	4.31E-07	1.00E+00	2.88E-04	7.41E-08	1.00E+00	1.08E-04
phe.Fasting_	rs116708491	S5	MICA	rs112348319	S8	SPTLC1	1.03E-06	1.00E+00	6.25E-04	5.57E-07	1.00E+00	6.60E-04
phe.Fasting_	rs116708491	S5	MICA	rs112608164	S8	SPTLC1	1.03E-06	1.00E+00	6.25E-04	5.57E-07	1.00E+00	6.60E-04



phe.Fasting_rs116708491 S5	MICA	rs113568654 S12	SPTLC1	9.91E-07	1.00E+00	6.01E-04	2.61E-06	1.00E+00	2.59E-03
phe.Fasting_rs116708491 S5	MICA	rs114032844 S21	NA	1.42E-08	5.82E-01	1.29E-05	1.33E-07	1.00E+00	1.83E-04
phe.Fasting_rs116708491 S5	MICA	rs114565620 S8	RCL1	2.17E-05	1.00E+00	8.95E-03	1.18E-06	1.00E+00	1.31E-03
phe.Fasting_rs116708491 S5	MICA	rs114968018 S21	NA	1.75E-08	7.13E-01	1.56E-05	3.53E-15	1.44E-07	3.37E-11
phe.Fasting_rs116708491 S5	MICA	rs115083290 S19	NA	3.84E-11	1.57E-03	5.30E-08	4.17E-07	1.00E+00	5.07E-04
phe.Fasting_rs116708491 S5	MICA	rs115752779 S19	NA	3.84E-11	1.57E-03	5.30E-08	4.17E-07	1.00E+00	5.07E-04
phe.Fasting_rs116708491 S5	MICA	rs12581352 S2	NA	5.00E-07	1	3.28E-04	1.30E-08	5.31E-01	2.36E-05
phe.Fasting_rs116708491 S5	MICA	rs139070959 S8	RPN2	1.64E-07	1	1.19E-04	7.27E-06	1.00E+00	6.25E-03
phe.Fasting_rs116708491 S5	MICA	rs145412529 S8	"RBL1,RPS3A	9.54E-08	1	7.31E-05	7.92E-06	1.00E+00	6.72E-03
phe.Fasting_rs116708491 S5	MICA	rs75350765 S5	RCL1	2.17E-05	1	0.00894955	1.18E-06	1.00E+00	1.31E-03
phe.Fasting_rs116708491 S5	MICA	rs75374128 S5	CNTLN	3.37E-06	1.00E+00	1.76E-03	5.06E-08	1.00E+00	7.76E-05
phe.Fasting_rs116708491 S5	MICA	rs75864203 S8	CNTLN	3.37E-06	1.00E+00	1.76E-03	5.06E-08	1.00E+00	7.76E-05
phe.Fasting_rs116708491 S5	MICA	rs76542405 S5	SPTLC1	1.03E-06	1.00E+00	6.25E-04	5.57E-07	1.00E+00	6.60E-04
phe.Fasting_rs116708491 S5	MICA	rs76844308 S8	CNTLN	1.60E-06	1.00E+00	9.20E-04	5.61E-08	1.00E+00	8.51E-05
phe.Fasting_rs116708491 S5	MICA	rs77523818 S7	SPTLC1	1.03E-06	1.00E+00	6.25E-04	5.57E-07	1.00E+00	6.60E-04
phe.Fasting_rs116708491 S5	MICA	rs78722272 S5	CNTLN	3.37E-06	1.00E+00	1.76E-03	5.26E-08	1.00E+00	8.05E-05
phe.Fasting_rs11709083 S8	TRAK1	rs77845645 S21	NA	3.46E-07	1.00E+00	2.36E-04	2.12E-07	1.00E+00	2.79E-04
phe.Fasting_rs11762817 S8	COPG2	rs116079984 S8	KPNA3	5.27E-06	1.00E+00	2.61E-03	6.48E-10	2.64E-02	1.63E-06
phe.Fasting_rs11762817 S8	COPG2	rs74627895 S8	TMEM64	1.77E-10	7.23E-03	2.21E-07	8.53E-06	1.00E+00	7.16E-03
phe.Fasting_rs11772632 S8	COPG2	rs116079984 S8	KPNA3	5.27E-06	1.00E+00	2.61E-03	6.70E-10	2.73E-02	1.68E-06
phe.Fasting_rs11772632 S8	COPG2	rs74627895 S8	TMEM64	1.77E-10	7.23E-03	2.21E-07	8.70E-06	1.00E+00	7.28E-03
phe.Fasting_rs11989304 S4	TMEM64	rs112348319 S8	SPTLC1	1.78E-07	1	0.000127529	3.54E-06	1.00E+00	3.38E-03
phe.Fasting_rs11989304 S4	TMEM64	rs112608164 S8	SPTLC1	1.78E-07	1	0.000127529	3.54E-06	1.00E+00	3.38E-03
phe.Fasting_rs11989304 S4	TMEM64	rs115787552 S5	KPNA3	1.88E-06	1	0.00106213	3.73E-15	1.52E-07	3.54E-11
phe.Fasting_rs11989304 S4	TMEM64	rs115888477 S8	NA	9.13E-06	1	0.00422468	5.84E-16	2.38E-08	1.16E-11
phe.Fasting_rs11989304 S4	TMEM64	rs116079984 S8	KPNA3	1.88E-06	1	0.00106213	4.41E-15	1.80E-07	4.10E-11
phe.Fasting_rs11989304 S4	TMEM64	rs146815317 S5	KPNA3	1.88E-06	1	0.00106213	3.73E-15	1.52E-07	3.54E-11
phe.Fasting_rs11989304 S4	TMEM64	rs150117838 S8	KPNA3	1.88E-06	1.00E+00	1.06E-03	3.54E-15	1.44E-07	3.37E-11
phe.Fasting_rs11989304 S4	TMEM64	rs73283603 S7	ZWINT	3.14E-16	1.28E-08	1.04E-12	6.26E-09	2.55E-01	1.22E-05
phe.Fasting_rs11989304 S4	TMEM64	rs73392640 S8	POLR3B	1.29E-10	5.26E-03	1.64E-07	9.02E-11	3.67E-03	2.78E-07
phe.Fasting_rs11989304 S4	TMEM64	rs75758702 S24	NA	9.04E-08	1.00E+00	6.96E-05	3.15E-06	1.00E+00	3.05E-03
phe.Fasting_rs11989304 S4	TMEM64	rs76542405 S5	SPTLC1	1.78E-07	1.00E+00	1.28E-04	3.54E-06	1.00E+00	3.38E-03
phe.Fasting_rs11989304 S4	TMEM64	rs77523818 S7	SPTLC1	1.78E-07	1.00E+00	1.28E-04	3.54E-06	1.00E+00	3.38E-03
phe.Fasting_rs11989304 S4	TMEM64	rs77798597 S7	KPNA3	1.88E-06	1.00E+00	1.06E-03	3.54E-15	1.44E-07	3.37E-11
phe.Fasting_rs11989304 S4	TMEM64	rs78736524 S5	KPNA3	1.88E-06	1.00E+00	1.06E-03	3.73E-15	1.52E-07	3.54E-11
phe.Fasting_rs11989304 S4	TMEM64	rs79781495 S8	KPNA3	1.88E-06	1.00E+00	1.06E-03	3.54E-15	1.44E-07	3.37E-11
phe.Fasting_rs11989304 S4	TMEM64	rs80332465 S5	KPNA3	1.90E-06	1	0.00107061	3.82E-15	1.55E-07	3.60E-11
phe.Fasting_rs11989304 S4	TMEM64	rs80334773 S5	KPNA3	1.90E-06	1	0.00107061	3.82E-15	1.55E-07	3.60E-11
phe.Fasting_rs11989304 S4	TMEM64	rs8075478 S8	MYH10	1.56E-07	1	0.00011375	1.07E-06	1.00E+00	1.20E-03
phe.Fasting_rs12045943 S7	UBE4B	rs112348319 S8	SPTLC1	5.95E-06	1	0.0029039	9.31E-07	1.00E+00	1.06E-03

phe.Fasting_rs12045943	S7	UBE4B	rs112608164	S8	SPTLC1	5.95E-06	1	0.0029039	9.31E-07	1.00E+00	1.06E-03
phe.Fasting_rs12045943	S7	UBE4B	rs113568654	S12	SPTLC1	6.77E-06	1	0.00326051	8.96E-06	1.00E+00	7.46E-03
phe.Fasting_rs12045943	S7	UBE4B	rs138090701	S5	HDAC3	2.03E-05	1	0.00844571	1.16E-06	1.00E+00	1.29E-03
phe.Fasting_rs12045943	S7	UBE4B	rs140524622	S7	MRPL10	1.61E-09	0.0658157	1.71E-06	2.10E-06	1.00E+00	2.16E-03
phe.Fasting_rs12045943	S7	UBE4B	rs149716949	S5	DIAPH1	1.67E-05	1.00E+00	7.11E-03	9.60E-07	1.00E+00	1.09E-03
phe.Fasting_rs12045943	S7	UBE4B	rs6881310	S23	ISL1	4.92E-07	1.00E+00	3.23E-04	8.99E-06	1.00E+00	7.48E-03
phe.Fasting_rs12045943	S7	UBE4B	rs76542405	S5	SPTLC1	5.95E-06	1.00E+00	2.90E-03	9.31E-07	1.00E+00	1.06E-03
phe.Fasting_rs12045943	S7	UBE4B	rs77444916	S23	LOC642366	6.42E-07	1.00E+00	4.10E-04	4.24E-12	1.72E-04	1.70E-08
phe.Fasting_rs12045943	S7	UBE4B	rs77523818	S7	SPTLC1	5.95E-06	1.00E+00	2.90E-03	9.31E-07	1.00E+00	1.06E-03
phe.Fasting_rs12045943	S7	UBE4B	rs77845645	S21	NA	1.07E-06	1.00E+00	6.46E-04	6.09E-09	2.48E-01	1.18E-05
phe.Fasting_rs12045943	S7	UBE4B	rs80258830	S24	LOC642366	6.42E-07	1.00E+00	4.10E-04	4.24E-12	1.72E-04	1.70E-08
phe.Fasting_rs12332637	S8	TNFAIP8	rs140524622	S7	MRPL10	9.10E-08	1.00E+00	7.00E-05	8.49E-06	1.00E+00	7.14E-03
phe.Fasting_rs12488988	S6	PHC3	rs111576333	S5	TMEM64	2.07E-08	8.44E-01	1.82E-05	2.37E-10	9.65E-03	6.58E-07
phe.Fasting_rs12488988	S6	PHC3	rs112091318	S5	TMEM64	6.28E-09	2.57E-01	6.07E-06	3.45E-10	1.40E-02	9.16E-07
phe.Fasting_rs12488988	S6	PHC3	rs112348319	S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	8.00E-10	3.26E-02	1.96E-06
phe.Fasting_rs12488988	S6	PHC3	rs112608164	S8	SPTLC1	1.92E-05	1	8.06E-03	8.00E-10	3.26E-02	1.96E-06
phe.Fasting_rs12488988	S6	PHC3	rs113568654	S12	SPTLC1	1.84E-05	1	0.00776102	1.06E-08	4.30E-01	1.94E-05
phe.Fasting_rs12488988	S6	PHC3	rs114565620	S8	RCL1	2.84E-19	1.16E-11	2.40E-14	4.09E-07	1.00E+00	4.98E-04
phe.Fasting_rs12488988	S6	PHC3	rs115083290	S19	NA	8.85E-08	1	6.83E-05	3.47E-09	1.41E-01	7.24E-06
phe.Fasting_rs12488988	S6	PHC3	rs115752779	S19	NA	8.85E-08	1	6.83E-05	3.47E-09	1.41E-01	7.24E-06
phe.Fasting_rs12488988	S6	PHC3	rs115888477	S8	NA	1.34E-06	1	0.000791384	8.03E-11	3.27E-03	2.50E-07
phe.Fasting_rs12488988	S6	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.12E-11	8.63E-04	7.46E-08
phe.Fasting_rs12488988	S6	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.12E-11	8.63E-04	7.46E-08
phe.Fasting_rs12488988	S6	PHC3	rs116548615	S8	TMEM45B	5.29E-19	2.16E-11	2.49E-14	8.09E-10	3.29E-02	1.97E-06
phe.Fasting_rs12488988	S6	PHC3	rs11989304	S4	TMEM64	2.07E-08	8.44E-01	1.82E-05	2.35E-10	9.56E-03	6.52E-07
phe.Fasting_rs12488988	S6	PHC3	rs140524622	S7	MRPL10	2.30E-08	9.39E-01	2.01E-05	2.18E-06	1.00E+00	2.23E-03
phe.Fasting_rs12488988	S6	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.38E-11	5.60E-04	5.00E-08
phe.Fasting_rs12488988	S6	PHC3	rs73392640	S8	POLR3B	6.58E-08	1.00E+00	5.26E-05	9.14E-06	1.00E+00	7.58E-03
phe.Fasting_rs12488988	S6	PHC3	rs74627895	S8	TMEM64	6.28E-09	2.57E-01	6.07E-06	1.30E-06	1.00E+00	1.43E-03
phe.Fasting_rs12488988	S6	PHC3	rs75350765	S5	RCL1	2.84E-19	1.16E-11	2.40E-14	4.09E-07	1.00E+00	4.98E-04
phe.Fasting_rs12488988	S6	PHC3	rs75506779	S5	TMCO3	7.38E-14	3.01E-06	1.70E-10	3.56E-06	1.00E+00	3.40E-03
phe.Fasting_rs12488988	S6	PHC3	rs75949566	S5	TMEM64	2.26E-08	9.24E-01	1.98E-05	3.32E-10	1.35E-02	8.85E-07
phe.Fasting_rs12488988	S6	PHC3	rs76542405	S5	SPTLC1	1.92E-05	1.00E+00	8.06E-03	8.00E-10	3.26E-02	1.96E-06
phe.Fasting_rs12488988	S6	PHC3	rs77523818	S7	SPTLC1	1.92E-05	1.00E+00	8.06E-03	8.00E-10	3.26E-02	1.96E-06
phe.Fasting_rs12488988	S6	PHC3	rs7763107	S8	FARS2	1.30E-09	5.33E-02	1.41E-06	2.93E-06	1.00E+00	2.87E-03
phe.Fasting_rs12488988	S6	PHC3	rs77845645	S21	NA	9.87E-09	4.03E-01	9.22E-06	1.01E-12	4.11E-05	4.74E-09
phe.Fasting_rs12488988	S6	PHC3	rs78990344	S2	LOC1005063	2.07E-08	8.44E-01	1.82E-05	2.35E-10	9.56E-03	6.52E-07
phe.Fasting_rs12492606	S8	PHC3	rs111576333	S5	TMEM64	2.07E-08	8.44E-01	1.82E-05	2.31E-10	9.41E-03	6.43E-07
phe.Fasting_rs12492606	S8	PHC3	rs112091318	S5	TMEM64	6.28E-09	2.57E-01	6.07E-06	3.37E-10	1.37E-02	8.96E-07
phe.Fasting_rs12492606	S8	PHC3	rs112348319	S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	3.19E-02	1.93E-06

phe.Fasting_rs12492606	S8	PHC3	rs112608164	S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	3.19E-02	1.93E-06
phe.Fasting_rs12492606	S8	PHC3	rs113568654	S12	SPTLC1	1.84E-05	1.00E+00	7.76E-03	1.04E-08	4.21E-01	1.91E-05
phe.Fasting_rs12492606	S8	PHC3	rs114565620	S8	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1.00E+00	4.90E-04
phe.Fasting_rs12492606	S8	PHC3	rs115083290	S19	NA	8.85E-08	1.00E+00	6.83E-05	3.40E-09	1.39E-01	7.12E-06
phe.Fasting_rs12492606	S8	PHC3	rs115752779	S19	NA	8.85E-08	1.00E+00	6.83E-05	3.40E-09	1.39E-01	7.12E-06
phe.Fasting_rs12492606	S8	PHC3	rs115888477	S8	NA	1.34E-06	1	0.000791384	7.82E-11	3.18E-03	2.44E-07
phe.Fasting_rs12492606	S8	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	8.41E-04	7.31E-08
phe.Fasting_rs12492606	S8	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	8.41E-04	7.31E-08
phe.Fasting_rs12492606	S8	PHC3	rs116548615	S8	TMEM45B	5.29E-19	2.16E-11	2.49E-14	7.92E-10	3.23E-02	1.95E-06
phe.Fasting_rs12492606	S8	PHC3	rs11989304	S4	TMEM64	2.07E-08	8.44E-01	1.82E-05	2.29E-10	9.33E-03	6.39E-07
phe.Fasting_rs12492606	S8	PHC3	rs140524622	S7	MRPL10	2.30E-08	9.39E-01	2.01E-05	2.14E-06	1.00E+00	2.19E-03
phe.Fasting_rs12492606	S8	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	5.46E-04	4.89E-08
phe.Fasting_rs12492606	S8	PHC3	rs73392640	S8	POLR3B	6.58E-08	1.00E+00	5.26E-05	8.97E-06	1.00E+00	7.47E-03
phe.Fasting_rs12492606	S8	PHC3	rs74627895	S8	TMEM64	6.28E-09	2.57E-01	6.07E-06	1.27E-06	1.00E+00	1.40E-03
phe.Fasting_rs12492606	S8	PHC3	rs75350765	S5	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1.00E+00	4.90E-04
phe.Fasting_rs12492606	S8	PHC3	rs75506779	S5	TMCO3	7.38E-14	3.01E-06	1.70E-10	3.50E-06	1.00E+00	3.35E-03
phe.Fasting_rs12492606	S8	PHC3	rs75949566	S5	TMEM64	2.26E-08	9.24E-01	1.98E-05	3.24E-10	1.32E-02	8.70E-07
phe.Fasting_rs12492606	S8	PHC3	rs76542405	S5	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	3.19E-02	1.93E-06
phe.Fasting_rs12492606	S8	PHC3	rs77523818	S7	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	3.19E-02	1.93E-06
phe.Fasting_rs12492606	S8	PHC3	rs7763107	S8	FARS2	1.30E-09	5.33E-02	1.41E-06	2.87E-06	1.00E+00	2.82E-03
phe.Fasting_rs12492606	S8	PHC3	rs77845645	S21	NA	9.87E-09	4.03E-01	9.22E-06	9.90E-13	4.03E-05	4.68E-09
phe.Fasting_rs12492606	S8	PHC3	rs78990344	S2	LOC1005063	2.07E-08	8.44E-01	1.82E-05	2.29E-10	9.33E-03	6.39E-07
phe.Fasting_rs12581352	S2	NA	rs114968018	S21	NA	3.18E-08	1.00E+00	2.72E-05	1.85E-06	1.00E+00	1.93E-03
phe.Fasting_rs12581352	S2	NA	rs139070959	S8	RPN2	1.02E-17	4.16E-10	9.76E-14	6.94E-15	2.83E-07	6.20E-11
phe.Fasting_rs12581352	S2	NA	rs145412529	S8	"RBL1,RPS3A	5.94E-18	2.43E-10	7.36E-14	7.73E-15	3.15E-07	6.86E-11
phe.Fasting_rs12581352	S2	NA	rs57503635	S3	NA	8.95E-17	3.65E-09	3.87E-13	1.78E-06	1.00E+00	1.87E-03
phe.Fasting_rs13024983	S8	MTX2	rs116011837	S9	BRD2	1.57E-05	1.00E+00	6.75E-03	5.43E-06	1.00E+00	4.91E-03
phe.Fasting_rs13024983	S8	MTX2	rs116120727	S9	BRD2	1.57E-05	1.00E+00	6.75E-03	5.43E-06	1.00E+00	4.91E-03
phe.Fasting_rs13252117	S7	UBE2W	rs139070959	S8	RPN2	1.23E-06	1.00E+00	7.29E-04	2.05E-07	1.00E+00	2.70E-04
phe.Fasting_rs13252117	S7	UBE2W	rs145412529	S8	"RBL1,RPS3A	6.28E-07	1.00E+00	4.02E-04	1.43E-06	1.00E+00	1.56E-03
phe.Fasting_rs13277962	S6	UBE2W	rs139070959	S8	RPN2	1.18E-06	1.00E+00	7.01E-04	2.19E-07	1.00E+00	2.87E-04
phe.Fasting_rs13277962	S6	UBE2W	rs145412529	S8	"RBL1,RPS3A	6.02E-07	1.00E+00	3.88E-04	1.54E-06	1.00E+00	1.65E-03
phe.Fasting_rs13353823	S8	MAST4	rs139070959	S8	RPN2	1.88E-18	7.67E-11	3.95E-14	2.26E-09	9.19E-02	4.92E-06
phe.Fasting_rs13353823	S8	MAST4	rs145412529	S8	"RBL1,RPS3A	1.01E-18	4.14E-11	2.93E-14	2.52E-09	1.03E-01	5.42E-06
phe.Fasting_rs13353823	S8	MAST4	rs2153597	S8	ZNF438	1.06E-07	1.00E+00	8.03E-05	6.07E-06	1.00E+00	5.38E-03
phe.Fasting_rs13400525	S8	MFF	rs113357907	S24	ISL1	1.23E-06	1.00E+00	7.30E-04	1.28E-09	5.21E-02	2.94E-06
phe.Fasting_rs13400525	S8	MFF	rs114565620	S8	RCL1	3.62E-18	1.48E-10	5.68E-14	2.21E-06	1.00E+00	2.25E-03
phe.Fasting_rs13400525	S8	MFF	rs116011837	S9	BRD2	2.48E-06	1.00E+00	1.35E-03	3.12E-13	1.27E-05	1.70E-09
phe.Fasting_rs13400525	S8	MFF	rs116120727	S9	BRD2	2.48E-06	1.00E+00	1.35E-03	3.12E-13	1.27E-05	1.70E-09
phe.Fasting_rs13400525	S8	MFF	rs139070959	S8	RPN2	1.11E-17	4.53E-10	1.02E-13	4.11E-10	1.67E-02	1.08E-06

phe.Fasting_	rs13400525	S8	MFF	rs141926074	S8	ATE1	7.89E-14	3.22E-06	1.81E-10	2.66E-09	1.08E-01	5.71E-06
phe.Fasting_	rs13400525	S8	MFF	rs145412529	S8	"RBL1,RPS3A	6.51E-18	2.66E-10	7.85E-14	4.59E-10	1.87E-02	1.20E-06
phe.Fasting_	rs13400525	S8	MFF	rs150916187	S4	HIST1H2BK	5.16E-07	1.00E+00	3.38E-04	1.30E-12	5.28E-05	5.87E-09
phe.Fasting_	rs13400525	S8	MFF	rs16894241	S4	HIST1H2BK	7.57E-07	1.00E+00	4.74E-04	3.52E-12	1.43E-04	1.48E-08
phe.Fasting_	rs13400525	S8	MFF	rs2153597	S8	ZNF438	1.29E-10	5.27E-03	1.64E-07	2.48E-06	1.00E+00	2.48E-03
phe.Fasting_	rs13400525	S8	MFF	rs57503635	S3	NA	1.05E-16	4.30E-09	4.46E-13	2.22E-32	9.05E-25	4.52E-25
phe.Fasting_	rs13400525	S8	MFF	rs6881310	S23	ISL1	6.90E-17	2.82E-09	3.13E-13	1.44E-06	1.00E+00	1.56E-03
phe.Fasting_	rs13400525	S8	MFF	rs74701059	S24	C17orf102	7.65E-06	1.00E+00	3.62E-03	1.92E-07	1.00E+00	2.55E-04
phe.Fasting_	rs13400525	S8	MFF	rs75350765	S5	RCL1	3.62E-18	1.48E-10	5.68E-14	2.21E-06	1.00E+00	2.25E-03
phe.Fasting_	rs13400525	S8	MFF	rs75374128	S5	CNTLN	2.60E-06	1.00E+00	1.40E-03	3.64E-07	1.00E+00	4.51E-04
phe.Fasting_	rs13400525	S8	MFF	rs75864203	S8	CNTLN	2.60E-06	1.00E+00	1.40E-03	3.64E-07	1.00E+00	4.51E-04
phe.Fasting_	rs13400525	S8	MFF	rs77444916	S23	LOC642366	2.28E-17	9.31E-10	1.45E-13	1.22E-09	4.98E-02	2.86E-06
phe.Fasting_	rs13400525	S8	MFF	rs77845645	S21	NA	2.50E-17	1.02E-09	1.55E-13	5.83E-07	1.00E+00	6.89E-04
phe.Fasting_	rs13400525	S8	MFF	rs78722272	S5	CNTLN	2.60E-06	1.00E+00	1.40E-03	3.84E-07	1.00E+00	4.73E-04
phe.Fasting_	rs13400525	S8	MFF	rs79703349	S24	C17orf102	7.65E-06	1.00E+00	3.62E-03	2.50E-07	1.00E+00	3.23E-04
phe.Fasting_	rs13400525	S8	MFF	rs80258830	S24	LOC642366	2.28E-17	9.31E-10	1.45E-13	1.22E-09	4.98E-02	2.86E-06
phe.Fasting_	rs13411824	S5	LIMS1	rs112027720	S7	DIAPH1	2.36E-06	1.00E+00	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs112940854	S5	MYO1B	2.04E-05	1.00E+00	8.48E-03	7.34E-07	1.00E+00	8.51E-04
phe.Fasting_	rs13411824	S5	LIMS1	rs113219478	S7	DIAPH1	2.36E-06	1.00E+00	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs115888477	S8	NA	6.37E-07	1.00E+00	4.07E-04	5.18E-06	1.00E+00	4.72E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs138090701	S5	HDAC3	1.16E-06	1	0.000689146	6.51E-06	1.00E+00	5.71E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs138136869	S7	DIAPH1	7.48E-07	1	0.000468386	2.13E-06	1.00E+00	2.18E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs138487229	S11	DIAPH1	2.36E-06	1.00E+00	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs138738950	S8	"PCDHGB2,Pi	2.36E-06	1.00E+00	1.29E-03	4.88E-06	1.00E+00	4.48E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs139297927	S8	DIAPH1	2.36E-06	1.00E+00	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs139337303	S8	DIAPH1	2.36E-06	1.00E+00	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs139403963	S8	DIAPH1	7.48E-07	1.00E+00	4.68E-04	2.13E-06	1.00E+00	2.18E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs139621309	S18	"LOC10050506	2.36E-06	1.00E+00	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs139828110	S8	DIAPH1	7.48E-07	1.00E+00	4.68E-04	2.13E-06	1.00E+00	2.18E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs140070363	S8	DIAPH1	2.36E-06	1.00E+00	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs140644750	S13	DIAPH1	2.36E-06	1.00E+00	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs141022544	S8	DIAPH1	2.36E-06	1.00E+00	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs141525984	S5	DIAPH1	2.36E-06	1.00E+00	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs142480565	S8	DIAPH1	2.36E-06	1.00E+00	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs142718558	S7	"DIAPH1,LOC	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs142789100	S8	DIAPH1	7.48E-07	1	4.68E-04	2.13E-06	1.00E+00	2.18E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs142812798	S7	DIAPH1	7.48E-07	1	4.68E-04	2.13E-06	1.00E+00	2.18E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs143377827	S13	"DIAPH1,LOC	3.96E-07	1	2.67E-04	1.60E-06	1.00E+00	1.70E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs143691978	S11	DIAPH1	7.48E-07	1	4.68E-04	2.19E-06	1.00E+00	2.24E-03
phe.Fasting_	rs13411824	S5	LIMS1	rs144081334	S11	DIAPH1	7.48E-07	1	4.68E-04	2.19E-06	1.00E+00	2.24E-03

phe.Fasting_rs13411824	S5	LIMS1	rs144613910S8	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs145027704S11	DIAPH1	7.48E-07	1	4.68E-04	2.19E-06	1.00E+00	2.24E-03
phe.Fasting_rs13411824	S5	LIMS1	rs146220673S7	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs146622060S13	DIAPH1	7.48E-07	1	4.68E-04	2.19E-06	1.00E+00	2.24E-03
phe.Fasting_rs13411824	S5	LIMS1	rs146878162S7	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs147314451S8	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs147417996S7	DIAPH1	7.48E-07	1	4.68E-04	2.19E-06	1.00E+00	2.24E-03
phe.Fasting_rs13411824	S5	LIMS1	rs147646948S7	"LOC1005056	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs147677041S8	DIAPH1	7.48E-07	1	4.68E-04	2.13E-06	1.00E+00	2.18E-03
phe.Fasting_rs13411824	S5	LIMS1	rs148116628S7	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs148423011S7	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs149019627S8	DIAPH1	7.48E-07	1	4.68E-04	2.13E-06	1.00E+00	2.18E-03
phe.Fasting_rs13411824	S5	LIMS1	rs149075406S8	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs149334783S8	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs149791570S5	DIAPH1	7.48E-07	1	4.68E-04	2.13E-06	1.00E+00	2.18E-03
phe.Fasting_rs13411824	S5	LIMS1	rs150452206S13	"DIAPH1,LOC	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs150675915S7	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs150765570S7	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs150992994S11	"PCDHGA5,PI	2.38E-06	1	1.30E-03	2.01E-06	1.00E+00	2.08E-03
phe.Fasting_rs13411824	S5	LIMS1	rs151204700S8	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs151330468S8	DIAPH1	7.48E-07	1	4.68E-04	2.19E-06	1.00E+00	2.24E-03
phe.Fasting_rs13411824	S5	LIMS1	rs16833551 S5	MYO1B	2.18E-05	1	8.98E-03	1.22E-07	1.00E+00	1.70E-04
phe.Fasting_rs13411824	S5	LIMS1	rs180772028S8	"DIAPH1,LOC	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs181224861S7	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs182714699S8	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs182965141S8	DIAPH1	8.60E-07	1	5.29E-04	1.37E-06	1.00E+00	1.50E-03
phe.Fasting_rs13411824	S5	LIMS1	rs183597049S7	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs183980988S2	NA	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs184233232S7	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs184509477S13	"PCDHGB4,PI	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs185069296S15	"LOC1005056	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs185502834S8	DIAPH1	7.48E-07	1	4.68E-04	2.13E-06	1.00E+00	2.18E-03
phe.Fasting_rs13411824	S5	LIMS1	rs185759881S7	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs187000011S11	DIAPH1	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs188981295S5	"RPS27AP10,	2.36E-06	1	1.29E-03	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs190559574S7	DIAPH1	7.48E-07	1	4.68E-04	2.13E-06	1.00E+00	2.18E-03
phe.Fasting_rs13411824	S5	LIMS1	rs191544043S8	DIAPH1	2.36E-06	1	0.00129052	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs191766712S7	DIAPH1	2.36E-06	1	0.00129052	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs192690040S7	DIAPH1	2.36E-06	1	0.00129052	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs192765219S7	DIAPH1	2.36E-06	1	0.00129052	4.89E-06	1.00E+00	4.49E-03

phe.Fasting_rs13411824	S5	LIMS1	rs192770525	S7	DIAPH1	2.36E-06	1	0.00129052	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs13411824	S5	LIMS1	rs35990401	S7	DIAPH1	4.77E-06	1	0.00238879	1.13E-06	1.00E+00	1.26E-03
phe.Fasting_rs13411824	S5	LIMS1	rs55900860	S7	DIAPH1	7.48E-07	1	0.000468386	2.13E-06	1.00E+00	2.18E-03
phe.Fasting_rs13411824	S5	LIMS1	rs61613048	S8	MYO1B	2.25E-05	1	0.00923407	3.79E-07	1.00E+00	4.69E-04
phe.Fasting_rs13411824	S5	LIMS1	rs73058677	S5	MYO1B	2.04E-05	1	0.00847867	1.94E-07	1.00E+00	2.57E-04
phe.Fasting_rs138090701	S5	HDAC3	rs1000115	S5	LPAR1	1.19E-05	1	0.00529204	2.34E-06	1.00E+00	2.37E-03
phe.Fasting_rs138090701	S5	HDAC3	rs111576333	S5	TMEM64	3.85E-07	1	0.00026032	5.81E-09	2.37E-01	1.14E-05
phe.Fasting_rs138090701	S5	HDAC3	rs112089881	S8	ZFAND4	1.49E-05	1	0.00645033	8.09E-10	3.29E-02	1.97E-06
phe.Fasting_rs138090701	S5	HDAC3	rs112091318	S5	TMEM64	1.15E-07	1	8.65E-05	3.54E-08	1.00E+00	5.64E-05
phe.Fasting_rs138090701	S5	HDAC3	rs114334325	S7	AP3M2	6.04E-16	2.47E-08	1.87E-12	3.43E-07	1.00E+00	4.27E-04
phe.Fasting_rs138090701	S5	HDAC3	rs114394395	S7	AP3M2	6.51E-16	2.66E-08	2.00E-12	3.43E-07	1.00E+00	4.27E-04
phe.Fasting_rs138090701	S5	HDAC3	rs114565620	S8	RCL1	1.22E-07	1	9.15E-05	3.31E-08	1.00E+00	5.30E-05
phe.Fasting_rs138090701	S5	HDAC3	rs115083290	S19	NA	5.71E-17	2.33E-09	2.73E-13	1.17E-08	4.77E-01	2.14E-05
phe.Fasting_rs138090701	S5	HDAC3	rs11524145	S5	CDK6	8.61E-08	1	6.67E-05	7.00E-06	1.00E+00	6.07E-03
phe.Fasting_rs138090701	S5	HDAC3	rs115305957	S23	NA	1.88E-05	1	0.00789798	1.02E-08	4.15E-01	1.89E-05
phe.Fasting_rs138090701	S5	HDAC3	rs115752779	S19	NA	5.71E-17	2.33E-09	2.73E-13	1.17E-08	4.77E-01	2.14E-05
phe.Fasting_rs138090701	S5	HDAC3	rs115787552	S5	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.29E-10	5.26E-03	3.89E-07
phe.Fasting_rs138090701	S5	HDAC3	rs115888477	S8	NA	3.16E-15	1.29E-07	8.58E-12	1.17E-11	4.75E-04	4.28E-08
phe.Fasting_rs138090701	S5	HDAC3	rs116011837	S9	BRD2	5.65E-12	0.000230913	9.97E-09	1.74E-13	7.08E-06	9.84E-10
phe.Fasting_rs138090701	S5	HDAC3	rs116079984	S8	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.42E-10	5.79E-03	4.27E-07
phe.Fasting_rs138090701	S5	HDAC3	rs116120727	S9	BRD2	5.65E-12	2.31E-04	9.97E-09	1.74E-13	7.08E-06	9.84E-10
phe.Fasting_rs138090701	S5	HDAC3	rs116406581	S2	NA	2.66E-15	1.09E-07	7.46E-12	2.06E-07	1.00E+00	2.71E-04
phe.Fasting_rs138090701	S5	HDAC3	rs116548615	S8	TMEM45B	2.13E-17	8.70E-10	1.43E-13	1.27E-11	5.16E-04	4.64E-08
phe.Fasting_rs138090701	S5	HDAC3	rs116696844	S3	AP3M2	9.55E-16	3.90E-08	2.84E-12	3.43E-07	1.00E+00	4.27E-04
phe.Fasting_rs138090701	S5	HDAC3	rs11989304	S4	TMEM64	3.85E-07	1	0.00026032	2.57E-07	1.00E+00	3.30E-04
phe.Fasting_rs138090701	S5	HDAC3	rs140524622	S7	MRPL10	1.47E-17	6.01E-10	1.17E-13	7.87E-06	1.00E+00	6.68E-03
phe.Fasting_rs138090701	S5	HDAC3	rs146815317	S5	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.29E-10	5.26E-03	3.89E-07
phe.Fasting_rs138090701	S5	HDAC3	rs1470889	S5	ZC3H3	1.42E-05	1	0.00617517	2.30E-14	9.37E-07	1.79E-10
phe.Fasting_rs138090701	S5	HDAC3	rs1470890	S5	ZC3H3	1.42E-05	1	0.00617517	2.30E-14	9.37E-07	1.79E-10
phe.Fasting_rs138090701	S5	HDAC3	rs150117838	S8	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.21E-10	4.94E-03	3.67E-07
phe.Fasting_rs138090701	S5	HDAC3	rs16894241	S4	HIST1H2BK	1.01E-07	1	7.67E-05	2.97E-14	1.21E-06	2.22E-10
phe.Fasting_rs138090701	S5	HDAC3	rs2153597	S8	ZNF438	6.37E-10	0.0260027	7.17E-07	8.96E-06	1.00E+00	7.46E-03
phe.Fasting_rs138090701	S5	HDAC3	rs2924507	S5	ZC3H3	1.42E-05	1	0.00617517	2.30E-14	9.37E-07	1.79E-10
phe.Fasting_rs138090701	S5	HDAC3	rs2924508	S8	ZC3H3	1.42E-05	1	0.00617517	3.24E-14	1.32E-06	2.38E-10
phe.Fasting_rs138090701	S5	HDAC3	rs2924511	S7	ZC3H3	1.42E-05	1	0.00617517	3.22E-14	1.31E-06	2.36E-10
phe.Fasting_rs138090701	S5	HDAC3	rs2924512	S7	ZC3H3	1.53E-05	1	0.00661914	4.39E-14	1.79E-06	3.05E-10
phe.Fasting_rs138090701	S5	HDAC3	rs2955503	S22	NA	1.54E-05	1	0.00663194	4.90E-09	1.99E-01	9.78E-06
phe.Fasting_rs138090701	S5	HDAC3	rs2956376	S8	ZC3H3	1.42E-05	1	0.00617517	2.11E-14	8.59E-07	1.68E-10
phe.Fasting_rs138090701	S5	HDAC3	rs2980270	S7	ZC3H3	1.42E-05	1	0.00617517	2.11E-14	8.59E-07	1.68E-10
phe.Fasting_rs138090701	S5	HDAC3	rs2980272	S7	ZC3H3	1.53E-05	1	0.00661914	4.85E-14	1.98E-06	3.36E-10

phe.Fasting_rs138090701S5	HDAC3	rs2980275	S5	ZC3H3	1.42E-05	1	0.00617517	2.30E-14	9.37E-07	1.79E-10
phe.Fasting_rs138090701S5	HDAC3	rs352346	S3	GRPEL2	2.28E-07	1	0.000160433	1.50E-06	1.00E+00	1.62E-03
phe.Fasting_rs138090701S5	HDAC3	rs366767	S5	ZC3H3	2.28E-05	1	0.00933365	2.15E-14	8.73E-07	1.71E-10
phe.Fasting_rs138090701S5	HDAC3	rs57503635	S3	NA	8.68E-17	3.54E-09	3.77E-13	2.76E-14	1.12E-06	2.08E-10
phe.Fasting_rs138090701S5	HDAC3	rs60011869	S16	NA	1.42E-06	1	0.000828846	7.80E-07	1.00E+00	9.00E-04
phe.Fasting_rs138090701S5	HDAC3	rs7004597	S8	NA	6.04E-16	2.47E-08	1.87E-12	2.04E-07	1.00E+00	2.69E-04
phe.Fasting_rs138090701S5	HDAC3	rs7256517	S7	CYTH2	8.61E-07	1	0.000528926	6.03E-12	2.45E-04	2.33E-08
phe.Fasting_rs138090701S5	HDAC3	rs73283603	S7	ZWINT	2.94E-07	1	0.000203416	6.07E-08	1.00E+00	9.14E-05
phe.Fasting_rs138090701S5	HDAC3	rs73392640	S8	POLR3B	9.94E-07	1	0.000603058	4.55E-11	1.85E-03	1.48E-07
phe.Fasting_rs138090701S5	HDAC3	rs734069	S19	NA	2.75E-06	1	0.00146922	2.15E-08	8.73E-01	3.66E-05
phe.Fasting_rs138090701S5	HDAC3	rs73619637	S8	NA	1.31E-16	5.37E-09	5.26E-13	4.64E-09	1.89E-01	9.30E-06
phe.Fasting_rs138090701S5	HDAC3	rs74627895	S8	TMEM64	1.15E-07	1	8.65E-05	1.82E-08	7.41E-01	3.16E-05
phe.Fasting_rs138090701S5	HDAC3	rs74701059	S24	C17orf102	1.87E-05	1	0.00786942	1.48E-08	6.03E-01	2.63E-05
phe.Fasting_rs138090701S5	HDAC3	rs74914207	S24	NA	1.99E-07	1	0.000141711	3.84E-09	1.56E-01	7.91E-06
phe.Fasting_rs138090701S5	HDAC3	rs75350765	S5	RCL1	1.22E-07	1	9.15E-05	3.31E-08	1.00E+00	5.30E-05
phe.Fasting_rs138090701S5	HDAC3	rs75758702	S24	NA	1.08E-07	1	8.18E-05	1.54E-10	6.26E-03	4.54E-07
phe.Fasting_rs138090701S5	HDAC3	rs75949566	S5	TMEM64	4.46E-07	1	0.000295516	3.09E-07	1.00E+00	3.89E-04
phe.Fasting_rs138090701S5	HDAC3	rs7763107	S8	FARS2	7.46E-17	3.04E-09	3.33E-13	8.38E-12	3.41E-04	3.15E-08
phe.Fasting_rs138090701S5	HDAC3	rs77798597	S7	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.21E-10	4.94E-03	3.67E-07
phe.Fasting_rs138090701S5	HDAC3	rs77845645	S21	NA	2.22E-07	1	0.00015696	9.07E-08	1.00E+00	1.30E-04
phe.Fasting_rs138090701S5	HDAC3	rs78353402	S8	AP3M2	6.04E-16	2.47E-08	1.87E-12	3.43E-07	1.00E+00	4.27E-04
phe.Fasting_rs138090701S5	HDAC3	rs78516788	S8	SLC38A1	2.01E-05	1	0.00837876	1.36E-08	5.52E-01	2.44E-05
phe.Fasting_rs138090701S5	HDAC3	rs78697063	S5	MSI2	8.01E-10	0.032698	8.88E-07	2.64E-07	1.00E+00	3.39E-04
phe.Fasting_rs138090701S5	HDAC3	rs78736524	S5	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.29E-10	5.26E-03	3.89E-07
phe.Fasting_rs138090701S5	HDAC3	rs78990344	S2	LOC10050631	3.85E-07	1	0.00026032	2.57E-07	1.00E+00	3.30E-04
phe.Fasting_rs138090701S5	HDAC3	rs79703349	S24	C17orf102	1.87E-05	1.00E+00	7.87E-03	1.82E-08	7.41E-01	3.17E-05
phe.Fasting_rs138090701S5	HDAC3	rs79781495	S8	KPNA3	4.18E-16	1.71E-08	1.35E-12	1.21E-10	4.94E-03	3.67E-07
phe.Fasting_rs138090701S5	HDAC3	rs79886603	S15	NA	9.13E-09	3.73E-01	8.60E-06	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs138090701S5	HDAC3	rs80200953	S8	PPP2R5D	9.02E-08	1.00E+00	6.94E-05	4.17E-09	1.70E-01	8.52E-06
phe.Fasting_rs138090701S5	HDAC3	rs8024871	S8	RAB8B	1.10E-05	1	0.00498752	6.62E-06	1.00E+00	5.79E-03
phe.Fasting_rs138090701S5	HDAC3	rs80332465	S5	KPNA3	4.42E-16	1.80E-08	1.42E-12	1.29E-10	5.24E-03	3.88E-07
phe.Fasting_rs138090701S5	HDAC3	rs80334773	S5	KPNA3	4.42E-16	1.80E-08	1.42E-12	1.29E-10	5.24E-03	3.88E-07
phe.Fasting_rs138136869S7	DIAPH1	rs111576333	S5	TMEM64	5.56E-07	1	0.000361481	7.80E-15	3.17E-07	6.90E-11
phe.Fasting_rs138136869S7	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	7.96E-03	5.56E-07
phe.Fasting_rs138136869S7	DIAPH1	rs112091318	S5	TMEM64	1.64E-07	1	0.000118218	9.13E-09	3.72E-01	1.72E-05
phe.Fasting_rs138136869S7	DIAPH1	rs114334325	S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs138136869S7	DIAPH1	rs114394395	S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs138136869S7	DIAPH1	rs114565620	S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	3.35E-01	1.57E-05
phe.Fasting_rs138136869S7	DIAPH1	rs115083290	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	1.13E-01	5.90E-06
phe.Fasting_rs138136869S7	DIAPH1	rs115752779	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	1.13E-01	5.90E-06

phe.Fasting_rs138136869S7	DIAPH1	rs115787552S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs138136869S7	DIAPH1	rs115888477S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs138136869S7	DIAPH1	rs116011837S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs138136869S7	DIAPH1	rs116079984S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs138136869S7	DIAPH1	rs116120727S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs138136869S7	DIAPH1	rs116406581S2	NA	5.24E-15	2.14E-07	1.36E-11	5.32E-08	1.00E+00	8.11E-05
phe.Fasting_rs138136869S7	DIAPH1	rs116548615S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs138136869S7	DIAPH1	rs116696844S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs138136869S7	DIAPH1	rs11989304 S4	TMEM64	5.56E-07	1.00E+00	3.61E-04	1.11E-11	4.53E-04	4.10E-08
phe.Fasting_rs138136869S7	DIAPH1	rs140524622S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.83E-06	1.00E+00	1.27E-03
phe.Fasting_rs138136869S7	DIAPH1	rs146815317S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs138136869S7	DIAPH1	rs150117838S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs138136869S7	DIAPH1	rs150916187S4	HIST1H2BK	4.14E-06	1.00E+00	2.11E-03	2.61E-15	1.06E-07	2.55E-11
phe.Fasting_rs138136869S7	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	1.52E-04	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs138136869S7	DIAPH1	rs34801978 S3	HOXB2	2.19E-06	1.00E+00	1.21E-03	1.65E-09	6.71E-02	3.72E-06
phe.Fasting_rs138136869S7	DIAPH1	rs4732511 S13	POR	9.61E-15	3.93E-07	2.45E-11	2.36E-06	1.00E+00	2.39E-03
phe.Fasting_rs138136869S7	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs138136869S7	DIAPH1	rs60011869 S16	NA	2.13E-06	1.00E+00	1.18E-03	1.78E-07	1.00E+00	2.39E-04
phe.Fasting_rs138136869S7	DIAPH1	rs6964407 S7	POR	3.32E-14	1.36E-06	8.04E-11	2.16E-06	1.00E+00	2.22E-03
phe.Fasting_rs138136869S7	DIAPH1	rs7004597 S8	NA	1.25E-15	5.12E-08	3.65E-12	5.12E-08	1.00E+00	7.84E-05
phe.Fasting_rs138136869S7	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs138136869S7	DIAPH1	rs73283603 S7	ZWINT	4.49E-07	1.00E+00	2.97E-04	4.53E-08	1.00E+00	7.02E-05
phe.Fasting_rs138136869S7	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	1.87E-03	6.24E-08	6.82E-12	2.78E-04	2.62E-08
phe.Fasting_rs138136869S7	DIAPH1	rs73619637 S8	NA	2.00E-16	8.15E-09	6.95E-13	6.35E-08	1.00E+00	9.54E-05
phe.Fasting_rs138136869S7	DIAPH1	rs74627895 S8	TMEM64	1.64E-07	1.00E+00	1.18E-04	4.42E-09	1.80E-01	8.98E-06
phe.Fasting_rs138136869S7	DIAPH1	rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	6.34E-04	5.60E-08
phe.Fasting_rs138136869S7	DIAPH1	rs75350765 S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	3.35E-01	1.57E-05
phe.Fasting_rs138136869S7	DIAPH1	rs75374128 S5	CNTLN	5.25E-06	1	0.00259743	1.83E-08	7.47E-01	3.18E-05
phe.Fasting_rs138136869S7	DIAPH1	rs75506779 S5	TMCO3	1.04E-07	1	7.88E-05	2.32E-09	9.43E-02	5.04E-06
phe.Fasting_rs138136869S7	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	1.16E-03	9.77E-08
phe.Fasting_rs138136869S7	DIAPH1	rs75864203 S8	CNTLN	5.25E-06	1	0.00259743	1.83E-08	7.47E-01	3.18E-05
phe.Fasting_rs138136869S7	DIAPH1	rs75949566 S5	TMEM64	6.52E-07	1	0.000415514	1.49E-11	6.08E-04	5.38E-08
phe.Fasting_rs138136869S7	DIAPH1	rs76844308 S8	CNTLN	2.67E-06	1	0.00143908	1.80E-08	7.34E-01	3.14E-05
phe.Fasting_rs138136869S7	DIAPH1	rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs138136869S7	DIAPH1	rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs138136869S7	DIAPH1	rs77845645 S21	NA	3.35E-07	1	0.000229183	1.04E-11	4.24E-04	3.85E-08
phe.Fasting_rs138136869S7	DIAPH1	rs78353402 S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs138136869S7	DIAPH1	rs78516788 S8	SLC38A1	1.24E-06	1	0.000737575	2.76E-09	1.12E-01	5.89E-06
phe.Fasting_rs138136869S7	DIAPH1	rs78697063 S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	5.92E-03	4.35E-07
phe.Fasting_rs138136869S7	DIAPH1	rs78703708 S7	FAF2	7.40E-12	0.000302252	1.27E-08	7.08E-06	1.00E+00	6.12E-03



phe.Fasting_	rs138136869	S7	DIAPH1	rs78722272	S5	CNTLN	5.25E-06	1	0.00259743	1.89E-08	7.67E-01	3.26E-05
phe.Fasting_	rs138136869	S7	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs138136869	S7	DIAPH1	rs78990344	S2	LOC1005063	5.56E-07	1	0.000361481	1.11E-11	4.53E-04	4.10E-08
phe.Fasting_	rs138136869	S7	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs138136869	S7	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.37E-10	3.41E-02	2.03E-06
phe.Fasting_	rs138136869	S7	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs138136869	S7	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs138136869	S7	DIAPH1	rs891061	S7	POP4	6.59E-07	1	0.000419527	1.19E-05	1.00E+00	9.35E-03
phe.Fasting_	rs138457103	S10	DIAPH1	rs111576333	S5	TMEM64	1.54E-06	1	0.000893483	4.98E-14	2.03E-06	3.45E-10
phe.Fasting_	rs138457103	S10	DIAPH1	rs112089881	S8	ZFAND4	1.10E-17	4.48E-10	1.01E-13	8.78E-10	3.57E-02	2.12E-06
phe.Fasting_	rs138457103	S10	DIAPH1	rs112091318	S5	TMEM64	4.68E-07	1	3.09E-04	3.64E-08	1.00E+00	5.77E-05
phe.Fasting_	rs138457103	S10	DIAPH1	rs114334325	S7	AP3M2	3.11E-15	1.27E-07	8.49E-12	2.82E-07	1.00E+00	3.59E-04
phe.Fasting_	rs138457103	S10	DIAPH1	rs114394395	S7	AP3M2	3.32E-15	1.36E-07	9.01E-12	2.82E-07	1.00E+00	3.59E-04
phe.Fasting_	rs138457103	S10	DIAPH1	rs114565620	S8	RCL1	8.65E-17	3.53E-09	3.75E-13	3.32E-08	1.00E+00	5.31E-05
phe.Fasting_	rs138457103	S10	DIAPH1	rs115083290	S19	NA	2.56E-16	1.04E-08	8.66E-13	1.24E-08	5.03E-01	2.25E-05
phe.Fasting_	rs138457103	S10	DIAPH1	rs115752779	S19	NA	2.56E-16	1.04E-08	8.66E-13	1.24E-08	5.03E-01	2.25E-05
phe.Fasting_	rs138457103	S10	DIAPH1	rs115787552	S5	KPNA3	1.71E-15	7.00E-08	4.90E-12	1.02E-13	4.14E-06	6.47E-10
phe.Fasting_	rs138457103	S10	DIAPH1	rs115888477	S8	NA	1.18E-14	4.83E-07	3.01E-11	1.96E-14	7.99E-07	1.58E-10
phe.Fasting_	rs138457103	S10	DIAPH1	rs116011837	S9	BRD2	2.95E-11	0.00120633	4.18E-08	2.52E-14	1.02E-06	1.91E-10
phe.Fasting_	rs138457103	S10	DIAPH1	rs116079984	S8	KPNA3	1.71E-15	7.00E-08	4.90E-12	1.13E-13	4.62E-06	7.01E-10
phe.Fasting_	rs138457103	S10	DIAPH1	rs116120727	S9	BRD2	2.95E-11	0.00120633	4.18E-08	2.52E-14	1.02E-06	1.91E-10
phe.Fasting_	rs138457103	S10	DIAPH1	rs116406581	S2	NA	1.27E-14	5.19E-07	3.22E-11	1.67E-07	1.00E+00	2.26E-04
phe.Fasting_	rs138457103	S10	DIAPH1	rs116548615	S8	TMEM45B	9.91E-17	4.05E-09	4.23E-13	2.20E-09	8.97E-02	4.82E-06
phe.Fasting_	rs138457103	S10	DIAPH1	rs116696844	S3	AP3M2	4.82E-15	1.97E-07	1.26E-11	2.82E-07	1.00E+00	3.59E-04
phe.Fasting_	rs138457103	S10	DIAPH1	rs11989304	S4	TMEM64	1.54E-06	1	8.93E-04	5.94E-11	2.42E-03	1.90E-07
phe.Fasting_	rs138457103	S10	DIAPH1	rs140524622	S7	MRPL10	6.28E-17	2.56E-09	2.90E-13	7.60E-06	1.00E+00	6.49E-03
phe.Fasting_	rs138457103	S10	DIAPH1	rs146815317	S5	KPNA3	1.71E-15	7.00E-08	4.90E-12	1.02E-13	4.14E-06	6.47E-10
phe.Fasting_	rs138457103	S10	DIAPH1	rs150117838	S8	KPNA3	1.71E-15	7.00E-08	4.90E-12	9.90E-14	4.03E-06	6.40E-10
phe.Fasting_	rs138457103	S10	DIAPH1	rs16894241	S4	HIST1H2BK	9.15E-07	1	5.59E-04	3.12E-14	1.27E-06	2.32E-10
phe.Fasting_	rs138457103	S10	DIAPH1	rs2153597	S8	ZNF438	3.03E-11	0.00123592	4.28E-08	5.35E-08	1.00E+00	8.15E-05
phe.Fasting_	rs138457103	S10	DIAPH1	rs34801978	S3	HOXB2	7.50E-06	1	3.56E-03	1.18E-07	1.00E+00	1.64E-04
phe.Fasting_	rs138457103	S10	DIAPH1	rs57503635	S3	NA	3.60E-16	1.47E-08	1.18E-12	2.95E-14	1.20E-06	2.20E-10
phe.Fasting_	rs138457103	S10	DIAPH1	rs60011869	S16	NA	6.26E-06	1	3.04E-03	6.44E-10	2.62E-02	1.62E-06
phe.Fasting_	rs138457103	S10	DIAPH1	rs7004597	S8	NA	3.11E-15	1.27E-07	8.49E-12	1.68E-07	1.00E+00	2.27E-04
phe.Fasting_	rs138457103	S10	DIAPH1	rs7256517	S7	CYTH2	6.10E-16	2.49E-08	1.89E-12	7.13E-10	2.90E-02	1.77E-06
phe.Fasting_	rs138457103	S10	DIAPH1	rs73283603	S7	ZWINT	1.27E-06	1	7.51E-04	2.10E-07	1.00E+00	2.76E-04
phe.Fasting_	rs138457103	S10	DIAPH1	rs73392640	S8	POLR3B	1.25E-10	0.00508581	1.59E-07	5.02E-09	2.04E-01	1.00E-05
phe.Fasting_	rs138457103	S10	DIAPH1	rs734069	S19	NA	1.84E-06	1	1.04E-03	9.23E-10	3.76E-02	2.20E-06
phe.Fasting_	rs138457103	S10	DIAPH1	rs73619637	S8	NA	7.71E-16	3.15E-08	2.35E-12	1.95E-10	7.93E-03	5.55E-07
phe.Fasting_	rs138457103	S10	DIAPH1	rs74627895	S8	TMEM64	4.68E-07	1	3.09E-04	1.87E-08	7.60E-01	3.23E-05

phe.Fasting_rs138457103 S10	DIAPH1	rs74914207 S24	NA	8.07E-11	0.00329638	1.06E-07	1.19E-10	4.84E-03	3.60E-07
phe.Fasting_rs138457103 S10	DIAPH1	rs75350765 S5	RCL1	8.65E-17	3.53E-09	3.75E-13	3.32E-08	1.00E+00	5.31E-05
phe.Fasting_rs138457103 S10	DIAPH1	rs75374128 S5	CNTLN	7.78E-17	3.18E-09	3.45E-13	8.71E-08	1.00E+00	1.25E-04
phe.Fasting_rs138457103 S10	DIAPH1	rs75758702 S24	NA	3.96E-17	1.62E-09	2.13E-13	1.49E-10	6.07E-03	4.45E-07
phe.Fasting_rs138457103 S10	DIAPH1	rs75864203 S8	CNTLN	7.78E-17	3.18E-09	3.45E-13	8.71E-08	1.00E+00	1.25E-04
phe.Fasting_rs138457103 S10	DIAPH1	rs75949566 S5	TMEM64	1.80E-06	1	1.02E-03	7.49E-11	3.05E-03	2.34E-07
phe.Fasting_rs138457103 S10	DIAPH1	rs76844308 S8	CNTLN	4.08E-17	1.66E-09	2.16E-13	8.19E-08	1.00E+00	1.18E-04
phe.Fasting_rs138457103 S10	DIAPH1	rs7763107 S8	FARS2	3.51E-16	1.44E-08	1.15E-12	8.67E-12	3.53E-04	3.26E-08
phe.Fasting_rs138457103 S10	DIAPH1	rs77798597 S7	KPNA3	1.71E-15	7.00E-08	4.90E-12	9.90E-14	4.03E-06	6.40E-10
phe.Fasting_rs138457103 S10	DIAPH1	rs77845645 S21	NA	9.25E-07	1	5.65E-04	3.00E-09	1.22E-01	6.36E-06
phe.Fasting_rs138457103 S10	DIAPH1	rs78353402 S8	AP3M2	3.11E-15	1.27E-07	8.49E-12	2.82E-07	1.00E+00	3.59E-04
phe.Fasting_rs138457103 S10	DIAPH1	rs78516788 S8	SLC38A1	1.62E-11	0.000660642	2.47E-08	2.25E-10	9.16E-03	6.30E-07
phe.Fasting_rs138457103 S10	DIAPH1	rs78697063 S5	MSI2	3.69E-19	1.51E-11	2.40E-14	6.70E-10	2.73E-02	1.68E-06
phe.Fasting_rs138457103 S10	DIAPH1	rs78722272 S5	CNTLN	7.78E-17	3.18E-09	3.45E-13	9.08E-08	1.00E+00	1.30E-04
phe.Fasting_rs138457103 S10	DIAPH1	rs78736524 S5	KPNA3	1.71E-15	7.00E-08	4.90E-12	1.02E-13	4.14E-06	6.47E-10
phe.Fasting_rs138457103 S10	DIAPH1	rs78990344 S2	LOC10050631	1.54E-06	1	8.93E-04	5.94E-11	2.42E-03	1.90E-07
phe.Fasting_rs138457103 S10	DIAPH1	rs79781495 S8	KPNA3	1.71E-15	7.00E-08	4.90E-12	9.90E-14	4.03E-06	6.40E-10
phe.Fasting_rs138457103 S10	DIAPH1	rs79886603 S15	NA	5.23E-08	1	4.27E-05	3.41E-07	1.00E+00	4.25E-04
phe.Fasting_rs138457103 S10	DIAPH1	rs80200953 S8	PPP2R5D	4.65E-17	1.90E-09	2.35E-13	4.04E-09	1.65E-01	8.29E-06
phe.Fasting_rs138457103 S10	DIAPH1	rs80332465 S5	KPNA3	1.81E-15	7.41E-08	5.18E-12	1.07E-13	4.34E-06	6.76E-10
phe.Fasting_rs138457103 S10	DIAPH1	rs80334773 S5	KPNA3	1.81E-15	7.41E-08	5.18E-12	1.07E-13	4.34E-06	6.76E-10
phe.Fasting_rs138487229 S11	DIAPH1	rs111576333 S5	TMEM64	2.37E-06	1	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs138487229 S11	DIAPH1	rs112089881 S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.45E-02	2.58E-06
phe.Fasting_rs138487229 S11	DIAPH1	rs112091318 S5	TMEM64	7.32E-07	1	4.60E-04	3.91E-08	1.00E+00	6.13E-05
phe.Fasting_rs138487229 S11	DIAPH1	rs114334325 S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs138487229 S11	DIAPH1	rs114394395 S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs138487229 S11	DIAPH1	rs114565620 S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs138487229 S11	DIAPH1	rs115083290 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs138487229 S11	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1	4.86E-04	7.89E-06	1.00E+00	6.69E-03
phe.Fasting_rs138487229 S11	DIAPH1	rs115752779 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs138487229 S11	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs138487229 S11	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs138487229 S11	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs138487229 S11	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs138487229 S11	DIAPH1	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs138487229 S11	DIAPH1	rs116406581 S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_rs138487229 S11	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_rs138487229 S11	DIAPH1	rs116696844 S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs138487229 S11	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs138487229 S11	DIAPH1	rs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1.00E+00	6.31E-03

phe.Fasting_rs138487229S11	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs138487229S11	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs138487229S11	DIAPH1	rs150916187 S4	HIST1H2BK	1.38E-05	1	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs138487229S11	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs138487229S11	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1.00E+00	7.14E-03
phe.Fasting_rs138487229S11	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_rs138487229S11	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1.00E+00	7.57E-03
phe.Fasting_rs138487229S11	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	5.46E-03	1.03E-08	4.19E-01	1.90E-05
phe.Fasting_rs138487229S11	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1.00E+00	7.10E-03
phe.Fasting_rs138487229S11	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1	9.35E-03	8.76E-06	1.00E+00	7.32E-03
phe.Fasting_rs138487229S11	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1.00E+00	7.93E-03
phe.Fasting_rs138487229S11	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs138487229S11	DIAPH1	rs58905476 S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1.00E+00	8.01E-03
phe.Fasting_rs138487229S11	DIAPH1	rs60011869 S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	3.32E-02	1.98E-06
phe.Fasting_rs138487229S11	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1.00E+00	7.43E-03
phe.Fasting_rs138487229S11	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1.00E+00	3.04E-04
phe.Fasting_rs138487229S11	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	1.96E-04	1.91E-08
phe.Fasting_rs138487229S11	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1.00E+00	2.68E-04
phe.Fasting_rs138487229S11	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	2.11E-03	1.67E-07
phe.Fasting_rs138487229S11	DIAPH1	rs734069 S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	2.73E-02	1.68E-06
phe.Fasting_rs138487229S11	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	8.34E-03	5.78E-07
phe.Fasting_rs138487229S11	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	8.28E-01	3.48E-05
phe.Fasting_rs138487229S11	DIAPH1	rs74914207 S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	3.71E-03	2.80E-07
phe.Fasting_rs138487229S11	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs138487229S11	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_rs138487229S11	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	4.50E-01	2.03E-05
phe.Fasting_rs138487229S11	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	6.38E-03	4.59E-07
phe.Fasting_rs138487229S11	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_rs138487229S11	DIAPH1	rs75949566 S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	3.45E-03	2.62E-07
phe.Fasting_rs138487229S11	DIAPH1	rs76844308 S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1.00E+00	1.35E-04
phe.Fasting_rs138487229S11	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	3.76E-04	3.44E-08
phe.Fasting_rs138487229S11	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs138487229S11	DIAPH1	rs77845645 S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	1.71E-03	1.38E-07
phe.Fasting_rs138487229S11	DIAPH1	rs78353402 S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs138487229S11	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	9.93E-03	6.74E-07
phe.Fasting_rs138487229S11	DIAPH1	rs78697063 S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	2.78E-02	1.70E-06
phe.Fasting_rs138487229S11	DIAPH1	rs78722272 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1.00E+00	1.48E-04
phe.Fasting_rs138487229S11	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs138487229S11	DIAPH1	rs78990344 S2	LOC10050631	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs138487229S11	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10

phe.Fasting_	rs138487229	S11	DIAPH1	rs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1.00E+00	5.59E-04
phe.Fasting_	rs138487229	S11	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.48E-01	7.55E-06
phe.Fasting_	rs138487229	S11	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs138487229	S11	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs111576333	S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.95E-14	2.42E-06	4.04E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.43E-02	2.58E-06
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs112091318	S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.90E-08	1.00E+00	6.13E-05
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.81E-07	1.00E+00	4.70E-04
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.81E-07	1.00E+00	4.70E-04
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.68E-08	1.00E+00	5.84E-05
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.76E-01	2.53E-05
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs11524145	S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.90E-06	1.00E+00	6.70E-03
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.76E-01	2.53E-05
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.20E-13	4.88E-06	7.16E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.24E-14	9.14E-07	1.76E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs116011837	S9	BRD2	4.89E-11	2.00E-03	6.62E-08	5.22E-14	2.12E-06	3.61E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.26E-13	5.11E-06	7.44E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs116120727	S9	BRD2	4.89E-11	2.00E-03	6.62E-08	5.22E-14	2.12E-06	3.61E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.31E-07	1.00E+00	3.00E-04
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.81E-07	1.00E+00	4.70E-04
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs11989304	S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs140524622	S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.32E-06	1.00E+00	6.29E-03
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.20E-13	4.88E-06	7.16E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.11E-13	4.50E-06	6.84E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs150916187	S4	HIST1H2BK	1.38E-05	1	0.00605332	1.39E-14	5.66E-07	1.17E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.48E-14	1.42E-06	2.52E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.14E-06	1.00E+00	6.88E-03
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs2153597	S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs2835656	S7	TTC3	3.01E-10	0.0122766	3.60E-07	8.75E-06	1.00E+00	7.31E-03
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs34801978	S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	4.19E-01	1.90E-05
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs352346	S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.34E-06	1.00E+00	7.05E-03
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs3750898	S8	DCLRE1A	2.29E-05	1	0.0093502	8.71E-06	1.00E+00	7.29E-03
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.71E-06	1.00E+00	7.97E-03
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.21E-14	1.31E-06	2.36E-10
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs58905476	S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.42E-06	1.00E+00	7.77E-03
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs60011869	S16	NA	1.04E-05	1	0.00472365	8.18E-10	3.33E-02	1.99E-06
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.97E-06	1.00E+00	7.47E-03
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.30E-07	1.00E+00	3.00E-04
phe.Fasting_	rs138738950	S8	"PCDHGB2,	Pirs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.87E-12	1.98E-04	1.93E-08

phe.Fasting_rs138738950S8	"PCDHGB2,Pirs73283603	S7	ZWINT	1.90E-06	1	0.0010688	2.02E-07	1.00E+00	2.68E-04
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	2.11E-03	1.67E-07
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	2.73E-02	1.68E-06
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.06E-10	8.40E-03	5.82E-07
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs74627895	S8	TMEM64	7.32E-07	1	4.60E-04	2.03E-08	8.27E-01	3.48E-05
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.14E-11	3.72E-03	2.80E-07
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.68E-08	1.00E+00	5.84E-05
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.11E-07	1.00E+00	1.56E-04
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs75506779	S5	TMCO3	5.55E-07	1	0.000360863	1.11E-08	4.52E-01	2.03E-05
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.58E-10	6.42E-03	4.61E-07
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.11E-07	1.00E+00	1.56E-04
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs75949566	S5	TMEM64	2.76E-06	1	0.001473	8.46E-11	3.45E-03	2.62E-07
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	1.08E-07	1.00E+00	1.51E-04
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.26E-12	3.77E-04	3.45E-08
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.11E-13	4.50E-06	6.84E-10
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs77845645	S21	NA	1.53E-06	1	0.000888475	4.21E-11	1.71E-03	1.38E-07
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.81E-07	1.00E+00	4.70E-04
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.46E-10	1.00E-02	6.80E-07
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.81E-10	2.77E-02	1.70E-06
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.16E-07	1.00E+00	1.61E-04
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.20E-13	4.88E-06	7.16E-10
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs78990344	S2	LOC10050631	2.37E-06	1	0.00129547	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.11E-13	4.50E-06	6.84E-10
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1.00E+00	5.59E-04
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.49E-01	7.55E-06
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.19E-13	4.84E-06	7.11E-10
phe.Fasting_rs138738950S8	"PCDHGB2,Pirs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.19E-13	4.84E-06	7.11E-10
phe.Fasting_rs139070959S8	RPN2 rs2285645	S7	MTMR3	5.59E-09	0.228305	5.44E-06	3.99E-07	1.00E+00	4.87E-04
phe.Fasting_rs139070959S8	RPN2 rs9620939	S7	MTMR3	5.93E-09	0.242162	5.75E-06	3.79E-08	1.00E+00	5.96E-05
phe.Fasting_rs139070959S8	RPN2 rs9625903	S7	MTMR3	6.98E-09	0.284998	6.70E-06	1.75E-08	7.11E-01	3.04E-05
phe.Fasting_rs139297927S8	DIAPH1 rs111576333	S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs139297927S8	DIAPH1 rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.45E-02	2.58E-06
phe.Fasting_rs139297927S8	DIAPH1 rs112091318	S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1.00E+00	6.13E-05
phe.Fasting_rs139297927S8	DIAPH1 rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs139297927S8	DIAPH1 rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs139297927S8	DIAPH1 rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs139297927S8	DIAPH1 rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs139297927S8	DIAPH1 rs11524145	S5	CDK6	7.80E-07	1	4.86E-04	7.89E-06	1.00E+00	6.69E-03
phe.Fasting_rs139297927S8	DIAPH1 rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs139297927S8	DIAPH1 rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10

phe.Fasting_rs139297927 S8	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs116406581 S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_rs139297927 S8	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_rs139297927 S8	DIAPH1	rs116696844 S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs139297927 S8	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs139297927 S8	DIAPH1	rs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1.00E+00	6.31E-03
phe.Fasting_rs139297927 S8	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs150916187 S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1.00E+00	7.14E-03
phe.Fasting_rs139297927 S8	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_rs139297927 S8	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1.00E+00	7.57E-03
phe.Fasting_rs139297927 S8	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	4.19E-01	1.90E-05
phe.Fasting_rs139297927 S8	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1.00E+00	7.10E-03
phe.Fasting_rs139297927 S8	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1.00E+00	7.32E-03
phe.Fasting_rs139297927 S8	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-07	6.48E-12	9.65E-06	1.00E+00	7.93E-03
phe.Fasting_rs139297927 S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1.00E+00	8.01E-03
phe.Fasting_rs139297927 S8	DIAPH1	rs60011869 S16	NA	1.04E-05	1	0.00472365	8.16E-10	3.32E-02	1.98E-06
phe.Fasting_rs139297927 S8	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1.00E+00	7.43E-03
phe.Fasting_rs139297927 S8	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1.00E+00	3.04E-04
phe.Fasting_rs139297927 S8	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	1.96E-04	1.91E-08
phe.Fasting_rs139297927 S8	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1	0.0010688	2.03E-07	1.00E+00	2.68E-04
phe.Fasting_rs139297927 S8	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	2.11E-03	1.67E-07
phe.Fasting_rs139297927 S8	DIAPH1	rs734069 S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	2.73E-02	1.68E-06
phe.Fasting_rs139297927 S8	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	8.34E-03	5.78E-07
phe.Fasting_rs139297927 S8	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	8.28E-01	3.48E-05
phe.Fasting_rs139297927 S8	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	3.71E-03	2.80E-07
phe.Fasting_rs139297927 S8	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs139297927 S8	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_rs139297927 S8	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	4.50E-01	2.03E-05
phe.Fasting_rs139297927 S8	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	6.38E-03	4.59E-07
phe.Fasting_rs139297927 S8	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_rs139297927 S8	DIAPH1	rs75949566 S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	3.45E-03	2.62E-07
phe.Fasting_rs139297927 S8	DIAPH1	rs76844308 S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1.00E+00	1.35E-04
phe.Fasting_rs139297927 S8	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	3.76E-04	3.44E-08

phe.Fasting_rs139297927 S8	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs77845645 S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	1.71E-03	1.38E-07
phe.Fasting_rs139297927 S8	DIAPH1	rs78353402 S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs139297927 S8	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	9.93E-03	6.74E-07
phe.Fasting_rs139297927 S8	DIAPH1	rs78697063 S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	2.78E-02	1.70E-06
phe.Fasting_rs139297927 S8	DIAPH1	rs78722272 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1.00E+00	1.48E-04
phe.Fasting_rs139297927 S8	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs78990344 S2	LOC10050631	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs139297927 S8	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs79886603 S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1.00E+00	5.59E-04
phe.Fasting_rs139297927 S8	DIAPH1	rs80200953 S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.48E-01	7.55E-06
phe.Fasting_rs139297927 S8	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs139297927 S8	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs111576333 S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs112089881 S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.45E-02	2.58E-06
phe.Fasting_rs139337303 S8	DIAPH1	rs112091318 S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1.00E+00	6.13E-05
phe.Fasting_rs139337303 S8	DIAPH1	rs114334325 S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs139337303 S8	DIAPH1	rs114394395 S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs139337303 S8	DIAPH1	rs114565620 S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs139337303 S8	DIAPH1	rs115083290 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs139337303 S8	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1	0.000486356	7.89E-06	1.00E+00	6.69E-03
phe.Fasting_rs139337303 S8	DIAPH1	rs115752779 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs139337303 S8	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs116011837 S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs116120727 S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs116406581 S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_rs139337303 S8	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_rs139337303 S8	DIAPH1	rs116696844 S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs139337303 S8	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs139337303 S8	DIAPH1	rs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1.00E+00	6.31E-03
phe.Fasting_rs139337303 S8	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs150916187 S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1.00E+00	7.14E-03
phe.Fasting_rs139337303 S8	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_rs139337303 S8	DIAPH1	rs2835656 S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1.00E+00	7.57E-03
phe.Fasting_rs139337303 S8	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	4.19E-01	1.90E-05

phe.Fasting_rs139337303 S8	DIAPH1	rs352346	S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1.00E+00	7.10E-03
phe.Fasting_rs139337303 S8	DIAPH1	rs3750898	S8	DCLRE1A	2.29E-05	1	9.35E-03	8.76E-06	1.00E+00	7.32E-03
phe.Fasting_rs139337303 S8	DIAPH1	rs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1.00E+00	7.93E-03
phe.Fasting_rs139337303 S8	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs58905476	S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1.00E+00	8.01E-03
phe.Fasting_rs139337303 S8	DIAPH1	rs60011869	S16	NA	1.04E-05	1	0.00472365	8.16E-10	3.32E-02	1.98E-06
phe.Fasting_rs139337303 S8	DIAPH1	rs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1.00E+00	7.43E-03
phe.Fasting_rs139337303 S8	DIAPH1	rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1.00E+00	3.04E-04
phe.Fasting_rs139337303 S8	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	1.96E-04	1.91E-08
phe.Fasting_rs139337303 S8	DIAPH1	rs73283603	S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1.00E+00	2.68E-04
phe.Fasting_rs139337303 S8	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	2.11E-03	1.67E-07
phe.Fasting_rs139337303 S8	DIAPH1	rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	2.73E-02	1.68E-06
phe.Fasting_rs139337303 S8	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	8.34E-03	5.78E-07
phe.Fasting_rs139337303 S8	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	8.28E-01	3.48E-05
phe.Fasting_rs139337303 S8	DIAPH1	rs74914207	S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	3.71E-03	2.80E-07
phe.Fasting_rs139337303 S8	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs139337303 S8	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_rs139337303 S8	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	4.50E-01	2.03E-05
phe.Fasting_rs139337303 S8	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	6.38E-03	4.59E-07
phe.Fasting_rs139337303 S8	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_rs139337303 S8	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	3.45E-03	2.62E-07
phe.Fasting_rs139337303 S8	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1.00E+00	1.35E-04
phe.Fasting_rs139337303 S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	3.76E-04	3.44E-08
phe.Fasting_rs139337303 S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs77845645	S21	NA	1.53E-06	1	0.000888475	4.20E-11	1.71E-03	1.38E-07
phe.Fasting_rs139337303 S8	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs139337303 S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	9.93E-03	6.74E-07
phe.Fasting_rs139337303 S8	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	2.78E-02	1.70E-06
phe.Fasting_rs139337303 S8	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1.00E+00	1.48E-04
phe.Fasting_rs139337303 S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs139337303 S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1.00E+00	5.59E-04
phe.Fasting_rs139337303 S8	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.48E-01	7.55E-06
phe.Fasting_rs139337303 S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs139337303 S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs139403963 S8	DIAPH1	rs111576333	S5	TMEM64	5.56E-07	1.00E+00	3.61E-04	7.80E-15	3.17E-07	6.90E-11
phe.Fasting_rs139403963 S8	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	7.96E-03	5.56E-07
phe.Fasting_rs139403963 S8	DIAPH1	rs112091318	S5	TMEM64	1.64E-07	1.00E+00	1.18E-04	9.13E-09	3.72E-01	1.72E-05
phe.Fasting_rs139403963 S8	DIAPH1	rs114334325	S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1.00E+00	1.26E-04



phe.Fasting_rs139403963 S8	DIAPH1	rs114394395 S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs139403963 S8	DIAPH1	rs114565620 S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	3.35E-01	1.57E-05
phe.Fasting_rs139403963 S8	DIAPH1	rs115083290 S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	1.13E-01	5.90E-06
phe.Fasting_rs139403963 S8	DIAPH1	rs115752779 S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	1.13E-01	5.90E-06
phe.Fasting_rs139403963 S8	DIAPH1	rs115787552 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs139403963 S8	DIAPH1	rs115888477 S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs139403963 S8	DIAPH1	rs116011837 S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs139403963 S8	DIAPH1	rs116079984 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs139403963 S8	DIAPH1	rs116120727 S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs139403963 S8	DIAPH1	rs116406581 S2	NA	5.24E-15	2.14E-07	1.36E-11	5.32E-08	1.00E+00	8.11E-05
phe.Fasting_rs139403963 S8	DIAPH1	rs116548615 S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs139403963 S8	DIAPH1	rs116696844 S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs139403963 S8	DIAPH1	rs11989304 S4	TMEM64	5.56E-07	1.00E+00	3.61E-04	1.11E-11	4.53E-04	4.10E-08
phe.Fasting_rs139403963 S8	DIAPH1	rs140524622 S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.83E-06	1.00E+00	2.79E-03
phe.Fasting_rs139403963 S8	DIAPH1	rs146815317 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs139403963 S8	DIAPH1	rs150117838 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs139403963 S8	DIAPH1	rs150916187 S4	HIST1H2BK	4.14E-06	1.00E+00	2.11E-03	2.61E-15	1.06E-07	2.55E-11
phe.Fasting_rs139403963 S8	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	1.52E-04	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs139403963 S8	DIAPH1	rs34801978 S3	HOXB2	2.19E-06	1.00E+00	1.21E-03	1.65E-09	6.71E-02	3.72E-06
phe.Fasting_rs139403963 S8	DIAPH1	rs4732511 S13	POR	9.61E-15	3.93E-07	2.45E-11	2.36E-06	1.00E+00	2.39E-03
phe.Fasting_rs139403963 S8	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs139403963 S8	DIAPH1	rs60011869 S16	NA	2.13E-06	1.00E+00	1.18E-03	1.78E-07	1.00E+00	2.39E-04
phe.Fasting_rs139403963 S8	DIAPH1	rs6964407 S7	POR	3.32E-14	1.36E-06	8.04E-11	2.16E-06	1.00E+00	2.22E-03
phe.Fasting_rs139403963 S8	DIAPH1	rs7004597 S8	NA	1.25E-15	5.12E-08	3.65E-12	5.12E-08	1.00E+00	7.84E-05
phe.Fasting_rs139403963 S8	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs139403963 S8	DIAPH1	rs73283603 S7	ZWINT	4.49E-07	1.00E+00	2.97E-04	4.53E-08	1.00E+00	7.02E-05
phe.Fasting_rs139403963 S8	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	1.87E-03	6.24E-08	6.82E-12	2.78E-04	2.62E-08
phe.Fasting_rs139403963 S8	DIAPH1	rs73619637 S8	NA	2.00E-16	8.15E-09	6.95E-13	6.35E-08	1.00E+00	9.54E-05
phe.Fasting_rs139403963 S8	DIAPH1	rs74627895 S8	TMEM64	1.64E-07	1.00E+00	1.18E-04	4.42E-09	1.80E-01	8.98E-06
phe.Fasting_rs139403963 S8	DIAPH1	rs74914207 S24	NA	2.89E-11	1.18E-03	4.13E-08	1.56E-11	6.34E-04	5.60E-08
phe.Fasting_rs139403963 S8	DIAPH1	rs75350765 S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	3.35E-01	1.57E-05
phe.Fasting_rs139403963 S8	DIAPH1	rs75374128 S5	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.83E-08	7.47E-01	3.18E-05
phe.Fasting_rs139403963 S8	DIAPH1	rs75506779 S5	TMCO3	1.04E-07	1.00E+00	7.88E-05	2.32E-09	9.43E-02	5.04E-06
phe.Fasting_rs139403963 S8	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	1.16E-03	9.77E-08
phe.Fasting_rs139403963 S8	DIAPH1	rs75864203 S8	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.83E-08	7.47E-01	3.18E-05
phe.Fasting_rs139403963 S8	DIAPH1	rs75949566 S5	TMEM64	6.52E-07	1.00E+00	4.16E-04	1.49E-11	6.08E-04	5.38E-08
phe.Fasting_rs139403963 S8	DIAPH1	rs76844308 S8	CNTLN	2.67E-06	1.00E+00	1.44E-03	1.80E-08	7.34E-01	3.14E-05
phe.Fasting_rs139403963 S8	DIAPH1	rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs139403963 S8	DIAPH1	rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs139403963 S8	DIAPH1	rs77845645 S21	NA	3.35E-07	1.00E+00	2.29E-04	1.04E-11	4.24E-04	3.85E-08

phe.Fasting_	rs139403963	S8	DIAPH1	rs78353402	S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_	rs139403963	S8	DIAPH1	rs78516788	S8	SLC38A1	1.24E-06	1.00E+00	7.38E-04	2.76E-09	1.12E-01	5.89E-06
phe.Fasting_	rs139403963	S8	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	5.92E-03	4.35E-07
phe.Fasting_	rs139403963	S8	DIAPH1	rs78703708	S7	FAF2	7.40E-12	3.02E-04	1.27E-08	7.08E-06	1.00E+00	6.12E-03
phe.Fasting_	rs139403963	S8	DIAPH1	rs78722272	S5	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.89E-08	7.67E-01	3.26E-05
phe.Fasting_	rs139403963	S8	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs78990344	S2	LOC1005063	5.56E-07	1.00E+00	3.61E-04	1.11E-11	4.53E-04	4.10E-08
phe.Fasting_	rs139403963	S8	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.37E-10	3.41E-02	2.03E-06
phe.Fasting_	rs139403963	S8	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs139403963	S8	DIAPH1	rs891061	S7	POP4	6.59E-07	1.00E+00	4.20E-04	1.19E-05	1.00E+00	9.35E-03
phe.Fasting_	rs139621309	S18	"LOC100505	(rs111576333	S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_	rs139621309	S18	"LOC100505	(rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.45E-02	2.58E-06
phe.Fasting_	rs139621309	S18	"LOC100505	(rs112091318	S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1.00E+00	6.13E-05
phe.Fasting_	rs139621309	S18	"LOC100505	(rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs139621309	S18	"LOC100505	(rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs139621309	S18	"LOC100505	(rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_	rs139621309	S18	"LOC100505	(rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_	rs139621309	S18	"LOC100505	(rs11524145	S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1.00E+00	6.69E-03
phe.Fasting_	rs139621309	S18	"LOC100505	(rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_	rs139621309	S18	"LOC100505	(rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs139621309	S18	"LOC100505	(rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs139621309	S18	"LOC100505	(rs116011837	S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs139621309	S18	"LOC100505	(rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs139621309	S18	"LOC100505	(rs116120727	S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs139621309	S18	"LOC100505	(rs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_	rs139621309	S18	"LOC100505	(rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_	rs139621309	S18	"LOC100505	(rs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs139621309	S18	"LOC100505	(rs11989304	S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_	rs139621309	S18	"LOC100505	(rs140524622	S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1.00E+00	6.31E-03
phe.Fasting_	rs139621309	S18	"LOC100505	(rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs139621309	S18	"LOC100505	(rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs139621309	S18	"LOC100505	(rs150916187	S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_	rs139621309	S18	"LOC100505	(rs16894241	S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs139621309	S18	"LOC100505	(rs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1.00E+00	7.14E-03
phe.Fasting_	rs139621309	S18	"LOC100505	(rs2153597	S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_	rs139621309	S18	"LOC100505	(rs2835656	S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1.00E+00	7.57E-03
phe.Fasting_	rs139621309	S18	"LOC100505	(rs34801978	S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	4.19E-01	1.90E-05
phe.Fasting_	rs139621309	S18	"LOC100505	(rs352346	S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1.00E+00	7.10E-03

phe.Fasting_	rs139621309	S18	"LOC100505(rs3750898	S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1.00E+00	7.32E-03	
phe.Fasting_	rs139621309	S18	"LOC100505(rs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1.00E+00	7.93E-03	
phe.Fasting_	rs139621309	S18	"LOC100505(rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs58905476	S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1.00E+00	8.01E-03	
phe.Fasting_	rs139621309	S18	"LOC100505(rs60011869	S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	3.32E-02	1.98E-06	
phe.Fasting_	rs139621309	S18	"LOC100505(rs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1.00E+00	7.43E-03	
phe.Fasting_	rs139621309	S18	"LOC100505(rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1.00E+00	3.04E-04	
phe.Fasting_	rs139621309	S18	"LOC100505(rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	1.96E-04	1.91E-08	
phe.Fasting_	rs139621309	S18	"LOC100505(rs73283603	S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1.00E+00	2.68E-04	
phe.Fasting_	rs139621309	S18	"LOC100505(rs73392640	S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	2.11E-03	1.67E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs734069	S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	2.73E-02	1.68E-06	
phe.Fasting_	rs139621309	S18	"LOC100505(rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	8.34E-03	5.78E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs74627895	S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	8.28E-01	3.48E-05	
phe.Fasting_	rs139621309	S18	"LOC100505(rs74914207	S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	3.71E-03	2.80E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05	
phe.Fasting_	rs139621309	S18	"LOC100505(rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04	
phe.Fasting_	rs139621309	S18	"LOC100505(rs75506779	S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	4.50E-01	2.03E-05	
phe.Fasting_	rs139621309	S18	"LOC100505(rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	6.38E-03	4.59E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04	
phe.Fasting_	rs139621309	S18	"LOC100505(rs75949566	S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	3.45E-03	2.62E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1.00E+00	1.35E-04	
phe.Fasting_	rs139621309	S18	"LOC100505(rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	3.76E-04	3.44E-08	
phe.Fasting_	rs139621309	S18	"LOC100505(rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs77845645	S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	1.71E-03	1.38E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04	
phe.Fasting_	rs139621309	S18	"LOC100505(rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	9.93E-03	6.74E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	2.78E-02	1.70E-06	
phe.Fasting_	rs139621309	S18	"LOC100505(rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1.00E+00	1.48E-04	
phe.Fasting_	rs139621309	S18	"LOC100505(rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs78990344	S2	LOC1005063!	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07	
phe.Fasting_	rs139621309	S18	"LOC100505(rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1.00E+00	5.59E-04	
phe.Fasting_	rs139621309	S18	"LOC100505(rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.48E-01	7.55E-06	
phe.Fasting_	rs139621309	S18	"LOC100505(rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs139621309	S18	"LOC100505(rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs139797194	S8	MYO1B	rs112027720	S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_	rs139797194	S8	MYO1B	rs113219478	S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_	rs139797194	S8	MYO1B	rs113357907	S24	ISL1	1.90E-17	7.77E-10	1.37E-13	4.66E-16	1.90E-08	1.16E-11
phe.Fasting_	rs139797194	S8	MYO1B	rs114565620	S8	RCL1	1.94E-05	1.00E+00	8.13E-03	1.01E-15	4.10E-08	1.18E-11
phe.Fasting_	rs139797194	S8	MYO1B	rs11524145	S5	CDK6	1.26E-05	1.00E+00	5.56E-03	8.56E-09	3.48E-01	1.62E-05

phe.Fasting_rs139797194S8	MYO1B	rs116011837S9	BRD2	3.98E-06	1	2.03E-03	4.82E-07	1.00E+00	5.77E-04
phe.Fasting_rs139797194S8	MYO1B	rs116120727S9	BRD2	3.98E-06	1.00E+00	2.03E-03	4.82E-07	1.00E+00	5.77E-04
phe.Fasting_rs139797194S8	MYO1B	rs116279995S20	"PCDHGA4,PI	2.94E-08	1	2.53E-05	2.26E-07	1.00E+00	2.96E-04
phe.Fasting_rs139797194S8	MYO1B	rs13400525 S8	MFF	5.32E-06	1	0.00262468	3.62E-06	1.00E+00	3.45E-03
phe.Fasting_rs139797194S8	MYO1B	rs138090701S5	HDAC3	2.36E-08	9.63E-01	2.06E-05	4.79E-07	1.00E+00	5.74E-04
phe.Fasting_rs139797194S8	MYO1B	rs138136869S7	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.24E-07	1.00E+00	1.72E-04
phe.Fasting_rs139797194S8	MYO1B	rs138457103S10	DIAPH1	1.07E-07	1.00E+00	8.13E-05	4.60E-07	1.00E+00	5.54E-04
phe.Fasting_rs139797194S8	MYO1B	rs138487229S11	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs138738950S8	"PCDHGB2,PI	1.63E-07	1.00E+00	1.18E-04	4.24E-07	1.00E+00	5.15E-04
phe.Fasting_rs139797194S8	MYO1B	rs139297927S8	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs139337303S8	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs139403963S8	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.24E-07	1.00E+00	1.72E-04
phe.Fasting_rs139797194S8	MYO1B	rs139621309S18	"LOC100505056	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs139828110S8	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.24E-07	1.00E+00	1.72E-04
phe.Fasting_rs139797194S8	MYO1B	rs140070363S8	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs140644750S13	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs141022544S8	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs141525984S5	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs141692339S3	"PCDHGA6,PI	3.41E-08	1.00E+00	2.89E-05	3.14E-07	1.00E+00	3.94E-04
phe.Fasting_rs139797194S8	MYO1B	rs141926074S8	ATE1	9.84E-18	4.02E-10	9.58E-14	1.24E-11	5.07E-04	4.56E-08
phe.Fasting_rs139797194S8	MYO1B	rs142480565S8	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs142718558S7	"DIAPH1,LOC	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs142789100S8	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.24E-07	1.00E+00	1.72E-04
phe.Fasting_rs139797194S8	MYO1B	rs142812798S7	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.24E-07	1.00E+00	1.72E-04
phe.Fasting_rs139797194S8	MYO1B	rs142888461S7	NEK1	4.32E-16	1.77E-08	1.40E-12	1.54E-08	6.27E-01	2.73E-05
phe.Fasting_rs139797194S8	MYO1B	rs143377827S13	"DIAPH1,LOC	3.71E-08	1.00E+00	3.12E-05	9.29E-08	1.00E+00	1.32E-04
phe.Fasting_rs139797194S8	MYO1B	rs143691978S11	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.27E-07	1.00E+00	1.76E-04
phe.Fasting_rs139797194S8	MYO1B	rs144081334S11	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.27E-07	1.00E+00	1.76E-04
phe.Fasting_rs139797194S8	MYO1B	rs144613910S8	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs145027704S11	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.27E-07	1.00E+00	1.76E-04
phe.Fasting_rs139797194S8	MYO1B	rs146220673S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs146622060S13	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.27E-07	1.00E+00	1.76E-04
phe.Fasting_rs139797194S8	MYO1B	rs146878162S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs1470889 S5	ZC3H3	7.01E-06	1.00E+00	3.36E-03	4.80E-08	1.00E+00	7.40E-05
phe.Fasting_rs139797194S8	MYO1B	rs1470890 S5	ZC3H3	7.01E-06	1.00E+00	3.36E-03	4.80E-08	1.00E+00	7.40E-05
phe.Fasting_rs139797194S8	MYO1B	rs147314451S8	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs147417996S7	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.27E-07	1.00E+00	1.76E-04
phe.Fasting_rs139797194S8	MYO1B	rs147506725S21	"PCDHGA1,PI	2.94E-08	1.00E+00	2.53E-05	2.26E-07	1.00E+00	2.96E-04
phe.Fasting_rs139797194S8	MYO1B	rs147646948S7	"LOC100505056	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs147677041S8	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.24E-07	1.00E+00	1.72E-04

phe.Fasting_rs139797194S8	MYO1B	rs148116628S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs148423011S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs149019627S8	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.24E-07	1.00E+00	1.72E-04
phe.Fasting_rs139797194S8	MYO1B	rs149075406S8	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs149334783S8	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs149553852S21	"PCDHGA10,	2.94E-08	1.00E+00	2.53E-05	2.26E-07	1.00E+00	2.96E-04
phe.Fasting_rs139797194S8	MYO1B	rs149716949S5	DIAPH1	1.76E-08	7.19E-01	1.57E-05	5.16E-08	1.00E+00	7.90E-05
phe.Fasting_rs139797194S8	MYO1B	rs149791570S5	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.24E-07	1.00E+00	1.72E-04
phe.Fasting_rs139797194S8	MYO1B	rs150452206S13	"DIAPH1,LOC	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs150675915S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs150765570S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs150916187S4	HIST1H2BK	1.55E-09	6.34E-02	1.65E-06	7.71E-07	1.00E+00	8.90E-04
phe.Fasting_rs139797194S8	MYO1B	rs150992994S11	"PCDHGA5,Pl	1.73E-07	1.00E+00	1.24E-04	4.09E-07	1.00E+00	4.98E-04
phe.Fasting_rs139797194S8	MYO1B	rs151204700S8	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs151330468S8	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.27E-07	1.00E+00	1.76E-04
phe.Fasting_rs139797194S8	MYO1B	rs16894241 S4	HIST1H2BK	3.09E-09	1.26E-01	3.14E-06	1.18E-06	1.00E+00	1.31E-03
phe.Fasting_rs139797194S8	MYO1B	rs180772028S8	"DIAPH1,LOC	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs181224861S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs181247960S21	"PCDHGA9,Pl	2.94E-08	1.00E+00	2.53E-05	2.26E-07	1.00E+00	2.96E-04
phe.Fasting_rs139797194S8	MYO1B	rs181824655S21	"PCDHGB6,Pl	2.94E-08	1.00E+00	2.53E-05	2.26E-07	1.00E+00	2.96E-04
phe.Fasting_rs139797194S8	MYO1B	rs182714699S8	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs182958142S8	DIAPH1	2.37E-07	1.00E+00	1.66E-04	5.60E-08	1.00E+00	8.50E-05
phe.Fasting_rs139797194S8	MYO1B	rs182965141S8	DIAPH1	4.74E-08	1.00E+00	3.91E-05	3.63E-08	1.00E+00	5.75E-05
phe.Fasting_rs139797194S8	MYO1B	rs183597049S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs183980988S2	NA	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs184233232S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs184509477S13	"PCDHGB4,Pl	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs185069296S15	"LOC1005056	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs185502834S8	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.24E-07	1.00E+00	1.72E-04
phe.Fasting_rs139797194S8	MYO1B	rs185759881S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs186288044S21	"PCDHGB4,Pl	2.94E-08	1.00E+00	2.53E-05	2.26E-07	1.00E+00	2.96E-04
phe.Fasting_rs139797194S8	MYO1B	rs187000011S11	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs188981295S5	"RPS27AP10,	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs190559574S7	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.24E-07	1.00E+00	1.72E-04
phe.Fasting_rs139797194S8	MYO1B	rs191544043S8	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs191766712S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs192690040S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs192765219S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs192770525S7	DIAPH1	1.63E-07	1.00E+00	1.18E-04	4.25E-07	1.00E+00	5.16E-04
phe.Fasting_rs139797194S8	MYO1B	rs2153597 S8	ZNF438	2.91E-12	1.19E-04	5.33E-09	5.04E-11	2.05E-03	1.63E-07

phe.Fasting_rs139797194S8	MYO1B	rs2924507	S5	ZC3H3	7.01E-06	1.00E+00	3.36E-03	4.80E-08	1.00E+00	7.40E-05
phe.Fasting_rs139797194S8	MYO1B	rs2924508	S8	ZC3H3	7.01E-06	1.00E+00	3.36E-03	6.55E-08	1.00E+00	9.79E-05
phe.Fasting_rs139797194S8	MYO1B	rs2924511	S7	ZC3H3	7.01E-06	1.00E+00	3.36E-03	6.20E-08	1.00E+00	9.33E-05
phe.Fasting_rs139797194S8	MYO1B	rs2924512	S7	ZC3H3	7.51E-06	1.00E+00	3.56E-03	7.36E-08	1.00E+00	1.08E-04
phe.Fasting_rs139797194S8	MYO1B	rs2956376	S8	ZC3H3	7.01E-06	1.00E+00	3.36E-03	4.34E-08	1.00E+00	6.75E-05
phe.Fasting_rs139797194S8	MYO1B	rs2980270	S7	ZC3H3	7.01E-06	1.00E+00	3.36E-03	4.34E-08	1.00E+00	6.75E-05
phe.Fasting_rs139797194S8	MYO1B	rs2980272	S7	ZC3H3	7.51E-06	1.00E+00	3.56E-03	7.84E-08	1.00E+00	1.14E-04
phe.Fasting_rs139797194S8	MYO1B	rs2980275	S5	ZC3H3	7.01E-06	1.00E+00	3.36E-03	4.80E-08	1.00E+00	7.40E-05
phe.Fasting_rs139797194S8	MYO1B	rs35990401	S7	DIAPH1	1.72E-07	1.00E+00	1.24E-04	1.52E-07	1.00E+00	2.06E-04
phe.Fasting_rs139797194S8	MYO1B	rs366767	S5	ZC3H3	1.11E-05	1.00E+00	5.03E-03	4.98E-06	1.00E+00	4.56E-03
phe.Fasting_rs139797194S8	MYO1B	rs55741453	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	3.36E-08	1.00E+00	5.36E-05
phe.Fasting_rs139797194S8	MYO1B	rs55765964	S8	NEK1	5.04E-17	2.06E-09	2.48E-13	3.36E-08	1.00E+00	5.36E-05
phe.Fasting_rs139797194S8	MYO1B	rs55900860	S7	DIAPH1	4.27E-08	1.00E+00	3.55E-05	1.24E-07	1.00E+00	1.72E-04
phe.Fasting_rs139797194S8	MYO1B	rs57165556	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	3.36E-08	1.00E+00	5.36E-05
phe.Fasting_rs139797194S8	MYO1B	rs57287019	S5	CLCN3	2.88E-13	1.18E-05	6.19E-10	1.90E-09	7.75E-02	4.23E-06
phe.Fasting_rs139797194S8	MYO1B	rs57503635	S3	NA	2.12E-16	8.64E-09	7.24E-13	1.87E-06	1.00E+00	1.95E-03
phe.Fasting_rs139797194S8	MYO1B	rs58286737	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	1.10E-08	4.46E-01	2.01E-05
phe.Fasting_rs139797194S8	MYO1B	rs61267727	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	1.10E-08	4.46E-01	2.01E-05
phe.Fasting_rs139797194S8	MYO1B	rs6553443	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	3.36E-08	1.00E+00	5.36E-05
phe.Fasting_rs139797194S8	MYO1B	rs6822970	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	3.36E-08	1.00E+00	5.36E-05
phe.Fasting_rs139797194S8	MYO1B	rs6829220	S20	NEK1	4.78E-17	1.95E-09	2.39E-13	1.10E-08	4.46E-01	2.01E-05
phe.Fasting_rs139797194S8	MYO1B	rs6881310	S23	ISL1	1.32E-16	5.39E-09	5.28E-13	1.65E-11	6.70E-04	5.90E-08
phe.Fasting_rs139797194S8	MYO1B	rs73619637	S8	NA	2.96E-16	1.21E-08	9.84E-13	2.25E-15	9.15E-08	2.25E-11
phe.Fasting_rs139797194S8	MYO1B	rs73864708	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	3.36E-08	1.00E+00	5.36E-05
phe.Fasting_rs139797194S8	MYO1B	rs73864714	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	3.36E-08	1.00E+00	5.36E-05
phe.Fasting_rs139797194S8	MYO1B	rs73864724	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	3.57E-08	1.00E+00	5.68E-05
phe.Fasting_rs139797194S8	MYO1B	rs73864726	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	5.18E-08	1.00E+00	7.93E-05
phe.Fasting_rs139797194S8	MYO1B	rs73864731	S5	NEK1	9.69E-17	3.96E-09	4.15E-13	5.18E-08	1.00E+00	7.93E-05
phe.Fasting_rs139797194S8	MYO1B	rs73864732	S8	NEK1	1.08E-16	4.40E-09	4.54E-13	4.96E-08	1.00E+00	7.63E-05
phe.Fasting_rs139797194S8	MYO1B	rs73864740	S2	NA	1.03E-16	4.19E-09	4.35E-13	4.96E-08	1.00E+00	7.63E-05
phe.Fasting_rs139797194S8	MYO1B	rs73864759	S8	CLCN3	2.79E-17	1.14E-09	1.64E-13	3.16E-08	1.00E+00	5.07E-05
phe.Fasting_rs139797194S8	MYO1B	rs74986829	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	5.18E-08	1.00E+00	7.93E-05
phe.Fasting_rs139797194S8	MYO1B	rs75350765	S5	RCL1	1.94E-05	1.00E+00	8.13E-03	1.01E-15	4.10E-08	1.18E-11
phe.Fasting_rs139797194S8	MYO1B	rs75506779	S5	TMCO3	8.56E-12	3.49E-04	1.42E-08	1.14E-05	1.00E+00	9.06E-03
phe.Fasting_rs139797194S8	MYO1B	rs7657672	S8	CLCN3	3.08E-13	1.26E-05	6.60E-10	2.21E-09	9.02E-02	4.84E-06
phe.Fasting_rs139797194S8	MYO1B	rs76737663	S1	LOC654841	6.11E-06	1.00E+00	2.97E-03	1.14E-05	1.00E+00	9.07E-03
phe.Fasting_rs139797194S8	MYO1B	rs7675011	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	5.18E-08	1.00E+00	7.93E-05
phe.Fasting_rs139797194S8	MYO1B	rs7690583	S8	NEK1	4.78E-17	1.95E-09	2.39E-13	3.57E-08	1.00E+00	5.68E-05
phe.Fasting_rs139797194S8	MYO1B	rs77444916	S23	LOC642366	4.27E-17	1.74E-09	2.23E-13	4.40E-16	1.79E-08	1.16E-11
phe.Fasting_rs139797194S8	MYO1B	rs79517926	S15	"DIAPH1,LOC	5.94E-08	1.00E+00	4.78E-05	6.90E-08	1.00E+00	1.01E-04

phe.Fasting_rs139797194S8	MYO1B	rs80157533 S8	NEK1	4.78E-17	1.95E-09	2.39E-13	1.10E-08	4.46E-01	2.01E-05
phe.Fasting_rs139797194S8	MYO1B	rs80258830 S24	LOC642366	4.27E-17	1.74E-09	2.23E-13	4.40E-16	1.79E-08	1.16E-11
phe.Fasting_rs139828110S8	DIAPH1	rs111576333S5	TMEM64	5.56E-07	1.00E+00	3.61E-04	7.80E-15	3.17E-07	6.90E-11
phe.Fasting_rs139828110S8	DIAPH1	rs112089881S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	7.96E-03	5.56E-07
phe.Fasting_rs139828110S8	DIAPH1	rs112091318S5	TMEM64	1.64E-07	1.00E+00	1.18E-04	9.13E-09	3.72E-01	1.72E-05
phe.Fasting_rs139828110S8	DIAPH1	rs114334325S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs139828110S8	DIAPH1	rs114394395S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs139828110S8	DIAPH1	rs114565620S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	3.35E-01	1.57E-05
phe.Fasting_rs139828110S8	DIAPH1	rs115083290S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	1.13E-01	5.90E-06
phe.Fasting_rs139828110S8	DIAPH1	rs115752779S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	1.13E-01	5.90E-06
phe.Fasting_rs139828110S8	DIAPH1	rs115787552S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs139828110S8	DIAPH1	rs115888477S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs139828110S8	DIAPH1	rs116011837S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs139828110S8	DIAPH1	rs116079984S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs139828110S8	DIAPH1	rs116120727S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs139828110S8	DIAPH1	rs116406581S2	NA	5.24E-15	2.14E-07	1.36E-11	5.32E-08	1.00E+00	8.11E-05
phe.Fasting_rs139828110S8	DIAPH1	rs116548615S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs139828110S8	DIAPH1	rs116696844S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs139828110S8	DIAPH1	rs11989304 S4	TMEM64	5.56E-07	1.00E+00	3.61E-04	1.11E-11	4.53E-04	4.10E-08
phe.Fasting_rs139828110S8	DIAPH1	rs140524622S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.83E-06	1.00E+00	2.79E-03
phe.Fasting_rs139828110S8	DIAPH1	rs146815317S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs139828110S8	DIAPH1	rs150117838S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs139828110S8	DIAPH1	rs150916187S4	HIST1H2BK	4.14E-06	1.00E+00	2.11E-03	2.61E-15	1.06E-07	2.55E-11
phe.Fasting_rs139828110S8	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	1.52E-04	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs139828110S8	DIAPH1	rs34801978 S3	HOXB2	2.19E-06	1.00E+00	1.21E-03	1.65E-09	6.71E-02	3.72E-06
phe.Fasting_rs139828110S8	DIAPH1	rs4732511 S13	POR	9.61E-15	3.93E-07	2.45E-11	2.36E-06	1.00E+00	2.39E-03
phe.Fasting_rs139828110S8	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs139828110S8	DIAPH1	rs60011869 S16	NA	2.13E-06	1.00E+00	1.18E-03	1.78E-07	1.00E+00	2.39E-04
phe.Fasting_rs139828110S8	DIAPH1	rs6964407 S7	POR	3.32E-14	1.36E-06	8.04E-11	2.16E-06	1.00E+00	2.22E-03
phe.Fasting_rs139828110S8	DIAPH1	rs7004597 S8	NA	1.25E-15	5.12E-08	3.65E-12	5.12E-08	1.00E+00	7.84E-05
phe.Fasting_rs139828110S8	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs139828110S8	DIAPH1	rs73283603 S7	ZWINT	4.49E-07	1.00E+00	2.97E-04	4.53E-08	1.00E+00	7.02E-05
phe.Fasting_rs139828110S8	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	1.87E-03	6.24E-08	6.82E-12	2.78E-04	2.62E-08
phe.Fasting_rs139828110S8	DIAPH1	rs73619637 S8	NA	2.00E-16	8.15E-09	6.95E-13	6.35E-08	1.00E+00	9.54E-05
phe.Fasting_rs139828110S8	DIAPH1	rs74627895 S8	TMEM64	1.64E-07	1.00E+00	1.18E-04	4.42E-09	1.80E-01	8.98E-06
phe.Fasting_rs139828110S8	DIAPH1	rs74914207 S24	NA	2.89E-11	1.18E-03	4.13E-08	1.56E-11	6.34E-04	5.60E-08
phe.Fasting_rs139828110S8	DIAPH1	rs75350765 S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	3.35E-01	1.57E-05
phe.Fasting_rs139828110S8	DIAPH1	rs75374128 S5	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.83E-08	7.47E-01	3.18E-05
phe.Fasting_rs139828110S8	DIAPH1	rs75506779 S5	TMCO3	1.04E-07	1.00E+00	7.88E-05	2.32E-09	9.43E-02	5.04E-06
phe.Fasting_rs139828110S8	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	1.16E-03	9.77E-08

phe.Fasting_rs139828110S8	DIAPH1	rs75864203 S8	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.83E-08	7.47E-01	3.18E-05
phe.Fasting_rs139828110S8	DIAPH1	rs75949566 S5	TMEM64	6.52E-07	1.00E+00	4.16E-04	1.49E-11	6.08E-04	5.38E-08
phe.Fasting_rs139828110S8	DIAPH1	rs76844308 S8	CNTLN	2.67E-06	1.00E+00	1.44E-03	1.80E-08	7.34E-01	3.14E-05
phe.Fasting_rs139828110S8	DIAPH1	rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs139828110S8	DIAPH1	rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs139828110S8	DIAPH1	rs77845645 S21	NA	3.35E-07	1.00E+00	2.29E-04	1.04E-11	4.24E-04	3.85E-08
phe.Fasting_rs139828110S8	DIAPH1	rs78353402 S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs139828110S8	DIAPH1	rs78516788 S8	SLC38A1	1.24E-06	1.00E+00	7.38E-04	2.76E-09	1.12E-01	5.89E-06
phe.Fasting_rs139828110S8	DIAPH1	rs78697063 S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	5.92E-03	4.35E-07
phe.Fasting_rs139828110S8	DIAPH1	rs78703708 S7	FAF2	7.40E-12	3.02E-04	1.27E-08	7.08E-06	1.00E+00	6.12E-03
phe.Fasting_rs139828110S8	DIAPH1	rs78722272 S5	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.89E-08	7.67E-01	3.26E-05
phe.Fasting_rs139828110S8	DIAPH1	rs78736524 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs139828110S8	DIAPH1	rs78990344 S2	LOC1005063!	5.56E-07	1.00E+00	3.61E-04	1.11E-11	4.53E-04	4.10E-08
phe.Fasting_rs139828110S8	DIAPH1	rs79781495 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs139828110S8	DIAPH1	rs80200953 S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.37E-10	3.41E-02	2.03E-06
phe.Fasting_rs139828110S8	DIAPH1	rs80332465 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs139828110S8	DIAPH1	rs80334773 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs139828110S8	DIAPH1	rs891061 S7	POP4	6.59E-07	1.00E+00	4.20E-04	1.19E-05	1.00E+00	9.35E-03
phe.Fasting_rs140070363S8	DIAPH1	rs111576333S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs140070363S8	DIAPH1	rs112089881S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.45E-02	2.58E-06
phe.Fasting_rs140070363S8	DIAPH1	rs112091318S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1.00E+00	6.13E-05
phe.Fasting_rs140070363S8	DIAPH1	rs114334325S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs140070363S8	DIAPH1	rs114394395S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs140070363S8	DIAPH1	rs114565620S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs140070363S8	DIAPH1	rs115083290S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs140070363S8	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1.00E+00	6.69E-03
phe.Fasting_rs140070363S8	DIAPH1	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs140070363S8	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs140070363S8	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs140070363S8	DIAPH1	rs116011837S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs140070363S8	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs140070363S8	DIAPH1	rs116120727S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs140070363S8	DIAPH1	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_rs140070363S8	DIAPH1	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_rs140070363S8	DIAPH1	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs140070363S8	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs140070363S8	DIAPH1	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1.00E+00	6.31E-03
phe.Fasting_rs140070363S8	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs140070363S8	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs140070363S8	DIAPH1	rs150916187S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10



phe.Fasting_rs140070363 S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs140070363 S8	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1.00E+00	7.14E-03
phe.Fasting_rs140070363 S8	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_rs140070363 S8	DIAPH1	rs2835656 S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1.00E+00	7.57E-03
phe.Fasting_rs140070363 S8	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	4.19E-01	1.90E-05
phe.Fasting_rs140070363 S8	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1.00E+00	7.10E-03
phe.Fasting_rs140070363 S8	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1.00E+00	7.32E-03
phe.Fasting_rs140070363 S8	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1.00E+00	7.93E-03
phe.Fasting_rs140070363 S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs140070363 S8	DIAPH1	rs58905476 S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1.00E+00	8.01E-03
phe.Fasting_rs140070363 S8	DIAPH1	rs60011869 S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	3.32E-02	1.98E-06
phe.Fasting_rs140070363 S8	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1.00E+00	7.43E-03
phe.Fasting_rs140070363 S8	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1.00E+00	3.04E-04
phe.Fasting_rs140070363 S8	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	1.96E-04	1.91E-08
phe.Fasting_rs140070363 S8	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1	0.0010688	2.03E-07	1.00E+00	2.68E-04
phe.Fasting_rs140070363 S8	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	2.11E-03	1.67E-07
phe.Fasting_rs140070363 S8	DIAPH1	rs734069 S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	2.73E-02	1.68E-06
phe.Fasting_rs140070363 S8	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	8.34E-03	5.78E-07
phe.Fasting_rs140070363 S8	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1	4.60E-04	2.03E-08	8.28E-01	3.48E-05
phe.Fasting_rs140070363 S8	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	3.71E-03	2.80E-07
phe.Fasting_rs140070363 S8	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs140070363 S8	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_rs140070363 S8	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	4.50E-01	2.03E-05
phe.Fasting_rs140070363 S8	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	6.38E-03	4.59E-07
phe.Fasting_rs140070363 S8	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_rs140070363 S8	DIAPH1	rs75949566 S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	3.45E-03	2.62E-07
phe.Fasting_rs140070363 S8	DIAPH1	rs76844308 S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1.00E+00	1.35E-04
phe.Fasting_rs140070363 S8	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	3.76E-04	3.44E-08
phe.Fasting_rs140070363 S8	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs140070363 S8	DIAPH1	rs77845645 S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	1.71E-03	1.38E-07
phe.Fasting_rs140070363 S8	DIAPH1	rs78353402 S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs140070363 S8	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	9.93E-03	6.74E-07
phe.Fasting_rs140070363 S8	DIAPH1	rs78697063 S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	2.78E-02	1.70E-06
phe.Fasting_rs140070363 S8	DIAPH1	rs78722272 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1.00E+00	1.48E-04
phe.Fasting_rs140070363 S8	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs140070363 S8	DIAPH1	rs78990344 S2	LOC1005063!	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs140070363 S8	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs140070363 S8	DIAPH1	rs79886603 S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1.00E+00	5.59E-04
phe.Fasting_rs140070363 S8	DIAPH1	rs80200953 S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.48E-01	7.55E-06
phe.Fasting_rs140070363 S8	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10

phe.Fasting_	rs140070363	S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs140524622	S7	MRPL10	rs57503635	S3	NA	1.82E-07	1.00E+00	1.30E-04	9.03E-16	3.68E-08	1.16E-11
phe.Fasting_	rs140524622	S7	MRPL10	rs7256517	S7	CYTH2	2.58E-07	1.00E+00	1.80E-04	5.87E-09	2.39E-01	1.15E-05
phe.Fasting_	rs140552475	S5	LUZP1	rs112348319	S8	SPTLC1	4.71E-06	1.00E+00	2.36E-03	4.22E-07	1.00E+00	5.13E-04
phe.Fasting_	rs140552475	S5	LUZP1	rs112608164	S8	SPTLC1	4.71E-06	1.00E+00	2.36E-03	4.22E-07	1.00E+00	5.13E-04
phe.Fasting_	rs140552475	S5	LUZP1	rs113568654	S12	SPTLC1	4.39E-06	1.00E+00	2.22E-03	3.16E-06	1.00E+00	3.06E-03
phe.Fasting_	rs140552475	S5	LUZP1	rs76542405	S5	SPTLC1	4.71E-06	1.00E+00	2.36E-03	4.22E-07	1.00E+00	5.13E-04
phe.Fasting_	rs140552475	S5	LUZP1	rs77523818	S7	SPTLC1	4.71E-06	1.00E+00	2.36E-03	4.22E-07	1.00E+00	5.13E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.45E-02	2.58E-06
phe.Fasting_	rs140644750	S13	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1.00E+00	6.13E-05
phe.Fasting_	rs140644750	S13	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_	rs140644750	S13	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_	rs140644750	S13	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1.00E+00	6.69E-03
phe.Fasting_	rs140644750	S13	DIAPH1	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_	rs140644750	S13	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs116011837	S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs116120727	S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_	rs140644750	S13	DIAPH1	rs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs11989304	S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_	rs140644750	S13	DIAPH1	rs140524622	S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1.00E+00	6.31E-03
phe.Fasting_	rs140644750	S13	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs150916187	S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1.00E+00	7.14E-03
phe.Fasting_	rs140644750	S13	DIAPH1	rs2153597	S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_	rs140644750	S13	DIAPH1	rs2835656	S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1.00E+00	7.57E-03
phe.Fasting_	rs140644750	S13	DIAPH1	rs34801978	S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	4.19E-01	1.90E-05
phe.Fasting_	rs140644750	S13	DIAPH1	rs352346	S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1.00E+00	7.10E-03
phe.Fasting_	rs140644750	S13	DIAPH1	rs3750898	S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1.00E+00	7.32E-03
phe.Fasting_	rs140644750	S13	DIAPH1	rs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1.00E+00	7.93E-03
phe.Fasting_	rs140644750	S13	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs58905476	S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1.00E+00	8.01E-03

phe.Fasting_	rs140644750	S13	DIAPH1	rs60011869	S16	NA	1.04E-05	1	0.00472365	8.16E-10	3.32E-02	1.98E-06
phe.Fasting_	rs140644750	S13	DIAPH1	rs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1.00E+00	7.43E-03
phe.Fasting_	rs140644750	S13	DIAPH1	rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1.00E+00	3.04E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	1.96E-04	1.91E-08
phe.Fasting_	rs140644750	S13	DIAPH1	rs73283603	S7	ZWINT	1.90E-06	1	0.0010688	2.03E-07	1.00E+00	2.68E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	2.11E-03	1.67E-07
phe.Fasting_	rs140644750	S13	DIAPH1	rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	2.73E-02	1.68E-06
phe.Fasting_	rs140644750	S13	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	8.34E-03	5.78E-07
phe.Fasting_	rs140644750	S13	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	8.28E-01	3.48E-05
phe.Fasting_	rs140644750	S13	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	3.71E-03	2.80E-07
phe.Fasting_	rs140644750	S13	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_	rs140644750	S13	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	4.50E-01	2.03E-05
phe.Fasting_	rs140644750	S13	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	6.38E-03	4.59E-07
phe.Fasting_	rs140644750	S13	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	3.45E-03	2.62E-07
phe.Fasting_	rs140644750	S13	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1.00E+00	1.35E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	3.76E-04	3.44E-08
phe.Fasting_	rs140644750	S13	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs77845645	S21	NA	1.53E-06	1	0.000888475	4.20E-11	1.71E-03	1.38E-07
phe.Fasting_	rs140644750	S13	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	9.93E-03	6.74E-07
phe.Fasting_	rs140644750	S13	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	2.78E-02	1.70E-06
phe.Fasting_	rs140644750	S13	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1.00E+00	1.48E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1	0.00129547	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_	rs140644750	S13	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1.00E+00	5.59E-04
phe.Fasting_	rs140644750	S13	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.48E-01	7.55E-06
phe.Fasting_	rs140644750	S13	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs140644750	S13	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs141022544	S8	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_	rs141022544	S8	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.45E-02	2.58E-06
phe.Fasting_	rs141022544	S8	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1.00E+00	6.13E-05
phe.Fasting_	rs141022544	S8	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs141022544	S8	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs141022544	S8	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_	rs141022544	S8	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_	rs141022544	S8	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1	0.000486356	7.89E-06	1.00E+00	6.69E-03
phe.Fasting_	rs141022544	S8	DIAPH1	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05

phe.Fasting_rs141022544 S8	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs141022544 S8	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs141022544 S8	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs141022544 S8	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs141022544 S8	DIAPH1	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs141022544 S8	DIAPH1	rs116406581 S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_rs141022544 S8	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_rs141022544 S8	DIAPH1	rs116696844 S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs141022544 S8	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs141022544 S8	DIAPH1	rs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1.00E+00	6.31E-03
phe.Fasting_rs141022544 S8	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs141022544 S8	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs141022544 S8	DIAPH1	rs150916187 S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs141022544 S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs141022544 S8	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1.00E+00	7.14E-03
phe.Fasting_rs141022544 S8	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_rs141022544 S8	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1.00E+00	7.57E-03
phe.Fasting_rs141022544 S8	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	4.19E-01	1.90E-05
phe.Fasting_rs141022544 S8	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1.00E+00	7.10E-03
phe.Fasting_rs141022544 S8	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1.00E+00	7.32E-03
phe.Fasting_rs141022544 S8	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1.00E+00	7.93E-03
phe.Fasting_rs141022544 S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs141022544 S8	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1.00E+00	8.01E-03
phe.Fasting_rs141022544 S8	DIAPH1	rs60011869 S16	NA	1.04E-05	1	0.00472365	8.16E-10	3.32E-02	1.98E-06
phe.Fasting_rs141022544 S8	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1.00E+00	7.43E-03
phe.Fasting_rs141022544 S8	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1.00E+00	3.04E-04
phe.Fasting_rs141022544 S8	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	1.96E-04	1.91E-08
phe.Fasting_rs141022544 S8	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1	0.0010688	2.03E-07	1.00E+00	2.68E-04
phe.Fasting_rs141022544 S8	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	2.11E-03	1.67E-07
phe.Fasting_rs141022544 S8	DIAPH1	rs734069 S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	2.73E-02	1.68E-06
phe.Fasting_rs141022544 S8	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	8.34E-03	5.78E-07
phe.Fasting_rs141022544 S8	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	8.28E-01	3.48E-05
phe.Fasting_rs141022544 S8	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	3.71E-03	2.80E-07
phe.Fasting_rs141022544 S8	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs141022544 S8	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_rs141022544 S8	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	4.50E-01	2.03E-05
phe.Fasting_rs141022544 S8	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	6.38E-03	4.59E-07
phe.Fasting_rs141022544 S8	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_rs141022544 S8	DIAPH1	rs75949566 S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	3.45E-03	2.62E-07
phe.Fasting_rs141022544 S8	DIAPH1	rs76844308 S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1.00E+00	1.35E-04

phe.Fasting_rs141022544S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	3.76E-04	3.44E-08
phe.Fasting_rs141022544S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs141022544S8	DIAPH1	rs77845645	S21	NA	1.53E-06	1	0.000888475	4.20E-11	1.71E-03	1.38E-07
phe.Fasting_rs141022544S8	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs141022544S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	9.93E-03	6.74E-07
phe.Fasting_rs141022544S8	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	2.78E-02	1.70E-06
phe.Fasting_rs141022544S8	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1.00E+00	1.48E-04
phe.Fasting_rs141022544S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs141022544S8	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1	0.00129547	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs141022544S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs141022544S8	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1.00E+00	5.59E-04
phe.Fasting_rs141022544S8	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.48E-01	7.55E-06
phe.Fasting_rs141022544S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs141022544S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs141525984S5	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs141525984S5	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.45E-02	2.58E-06
phe.Fasting_rs141525984S5	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1.00E+00	6.13E-05
phe.Fasting_rs141525984S5	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs141525984S5	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs141525984S5	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs141525984S5	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs141525984S5	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1	0.000486356	7.89E-06	1.00E+00	6.69E-03
phe.Fasting_rs141525984S5	DIAPH1	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs141525984S5	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs141525984S5	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs141525984S5	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs141525984S5	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs141525984S5	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs141525984S5	DIAPH1	rs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_rs141525984S5	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_rs141525984S5	DIAPH1	rs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs141525984S5	DIAPH1	rs11989304	S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs141525984S5	DIAPH1	rs140524622	S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1.00E+00	6.31E-03
phe.Fasting_rs141525984S5	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs141525984S5	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs141525984S5	DIAPH1	rs150916187	S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs141525984S5	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs141525984S5	DIAPH1	rs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1.00E+00	7.14E-03
phe.Fasting_rs141525984S5	DIAPH1	rs2153597	S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_rs141525984S5	DIAPH1	rs2835656	S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1.00E+00	7.57E-03

phe.Fasting_rs141525984S5	DIAPH1	rs34801978	S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	4.19E-01	1.90E-05
phe.Fasting_rs141525984S5	DIAPH1	rs352346	S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1.00E+00	7.10E-03
phe.Fasting_rs141525984S5	DIAPH1	rs3750898	S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1.00E+00	7.32E-03
phe.Fasting_rs141525984S5	DIAPH1	rs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1.00E+00	7.93E-03
phe.Fasting_rs141525984S5	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs141525984S5	DIAPH1	rs58905476	S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1.00E+00	8.01E-03
phe.Fasting_rs141525984S5	DIAPH1	rs60011869	S16	NA	1.04E-05	1	0.00472365	8.16E-10	3.32E-02	1.98E-06
phe.Fasting_rs141525984S5	DIAPH1	rs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1.00E+00	7.43E-03
phe.Fasting_rs141525984S5	DIAPH1	rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1.00E+00	3.04E-04
phe.Fasting_rs141525984S5	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	1.96E-04	1.91E-08
phe.Fasting_rs141525984S5	DIAPH1	rs73283603	S7	ZWINT	1.90E-06	1	0.0010688	2.03E-07	1.00E+00	2.68E-04
phe.Fasting_rs141525984S5	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	2.11E-03	1.67E-07
phe.Fasting_rs141525984S5	DIAPH1	rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	2.73E-02	1.68E-06
phe.Fasting_rs141525984S5	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	8.34E-03	5.78E-07
phe.Fasting_rs141525984S5	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	8.28E-01	3.48E-05
phe.Fasting_rs141525984S5	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	3.71E-03	2.80E-07
phe.Fasting_rs141525984S5	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs141525984S5	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_rs141525984S5	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	4.50E-01	2.03E-05
phe.Fasting_rs141525984S5	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	6.38E-03	4.59E-07
phe.Fasting_rs141525984S5	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_rs141525984S5	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	3.45E-03	2.62E-07
phe.Fasting_rs141525984S5	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1.00E+00	1.35E-04
phe.Fasting_rs141525984S5	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	3.76E-04	3.44E-08
phe.Fasting_rs141525984S5	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs141525984S5	DIAPH1	rs77845645	S21	NA	1.53E-06	1	0.000888475	4.20E-11	1.71E-03	1.38E-07
phe.Fasting_rs141525984S5	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs141525984S5	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	9.93E-03	6.74E-07
phe.Fasting_rs141525984S5	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	2.78E-02	1.70E-06
phe.Fasting_rs141525984S5	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1.00E+00	1.48E-04
phe.Fasting_rs141525984S5	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs141525984S5	DIAPH1	rs78990344	S2	LOC1005063	2.37E-06	1	0.00129547	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs141525984S5	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs141525984S5	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1.00E+00	5.59E-04
phe.Fasting_rs141525984S5	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.48E-01	7.55E-06
phe.Fasting_rs141525984S5	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs141525984S5	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs141692339S3	"PCDHGA6,Prs112089881S8			ZFAND4	2.54E-18	1.04E-10	4.60E-14	4.35E-10	1.77E-02	1.14E-06
phe.Fasting_rs141692339S3	"PCDHGA6,Prs112091318S5			TMEM64	1.78E-05	1	0.00753355	3.54E-07	1.00E+00	4.39E-04
phe.Fasting_rs141692339S3	"PCDHGA6,Prs114334325S7			AP3M2	9.79E-16	4.00E-08	2.91E-12	7.51E-06	1.00E+00	6.42E-03

phe.Fasting_irs141692339S3	"PCDHGA6,Prs114394395 S7	AP3M2	1.05E-15	4.27E-08	3.09E-12	7.51E-06	1.00E+00	6.42E-03
phe.Fasting_irs141692339S3	"PCDHGA6,Prs114565620 S8	RCL1	1.72E-17	7.04E-10	1.28E-13	1.93E-08	7.87E-01	3.33E-05
phe.Fasting_irs141692339S3	"PCDHGA6,Prs115305957 S23	NA	2.18E-05	1	0.00899214	2.10E-12	8.56E-05	9.14E-09
phe.Fasting_irs141692339S3	"PCDHGA6,Prs115787552 S5	KPNA3	4.75E-16	1.94E-08	1.51E-12	6.03E-14	2.46E-06	4.09E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs115888477 S8	NA	3.41E-15	1.39E-07	9.24E-12	1.07E-14	4.37E-07	9.31E-11
phe.Fasting_irs141692339S3	"PCDHGA6,Prs116011837 S9	BRD2	1.24E-06	1	0.000737148	9.68E-14	3.94E-06	6.34E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs116079984 S8	KPNA3	4.75E-16	1.94E-08	1.51E-12	6.40E-14	2.60E-06	4.33E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs116120727 S9	BRD2	1.24E-06	1	0.000737148	9.68E-14	3.94E-06	6.34E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs116406581 S2	NA	4.12E-15	1.68E-07	1.09E-11	4.50E-06	1.00E+00	4.18E-03
phe.Fasting_irs141692339S3	"PCDHGA6,Prs116548615 S8	TMEM45B	2.56E-17	1.05E-09	1.58E-13	1.16E-11	4.72E-04	4.26E-08
phe.Fasting_irs141692339S3	"PCDHGA6,Prs116696844 S3	AP3M2	1.56E-15	6.38E-08	4.48E-12	7.51E-06	1.00E+00	6.42E-03
phe.Fasting_irs141692339S3	"PCDHGA6,Prs146815317 S5	KPNA3	4.75E-16	1.94E-08	1.51E-12	6.03E-14	2.46E-06	4.09E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs1470889 S5	ZC3H3	1.67E-05	1	0.00713881	1.05E-13	4.28E-06	6.67E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs1470890 S5	ZC3H3	1.67E-05	1	0.00713881	1.05E-13	4.28E-06	6.67E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs150117838 S8	KPNA3	4.75E-16	1.94E-08	1.51E-12	5.58E-14	2.27E-06	3.84E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs150916187 S4	HIST1H2BK	3.12E-06	1	0.00163774	7.33E-15	2.98E-07	6.52E-11
phe.Fasting_irs141692339S3	"PCDHGA6,Prs16894241 S4	HIST1H2BK	2.52E-12	0.000102951	4.68E-09	1.70E-14	6.91E-07	1.40E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs2032062 S8	NA	2.18E-14	8.88E-07	5.38E-11	1.17E-05	1.00E+00	9.26E-03
phe.Fasting_irs141692339S3	"PCDHGA6,Prs2153597 S8	ZNF438	6.93E-12	0.000282913	1.19E-08	8.79E-07	1.00E+00	1.00E-03
phe.Fasting_irs141692339S3	"PCDHGA6,Prs2835656 S7	TTC3	7.71E-11	0.00314643	1.02E-07	1.26E-05	1.00E+00	9.77E-03
phe.Fasting_irs141692339S3	"PCDHGA6,Prs2924507 S5	ZC3H3	1.67E-05	1	0.00713881	1.05E-13	4.28E-06	6.67E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs2924508 S8	ZC3H3	1.67E-05	1	0.00713881	1.47E-13	5.99E-06	8.37E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs2924511 S7	ZC3H3	1.67E-05	1	0.00713881	1.35E-13	5.50E-06	7.86E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs2924512 S7	ZC3H3	1.84E-05	1	0.00775069	3.28E-13	1.34E-05	1.79E-09
phe.Fasting_irs141692339S3	"PCDHGA6,Prs2956376 S8	ZC3H3	1.67E-05	1	0.00713881	8.86E-14	3.61E-06	5.91E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs2980270 S7	ZC3H3	1.67E-05	1	0.00713881	8.86E-14	3.61E-06	5.91E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs2980272 S7	ZC3H3	1.84E-05	1	0.00775069	3.61E-13	1.47E-05	1.95E-09
phe.Fasting_irs141692339S3	"PCDHGA6,Prs2980275 S5	ZC3H3	1.67E-05	1	0.00713881	1.05E-13	4.28E-06	6.67E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs352346 S3	GRPEL2	2.75E-07	1	0.000191302	4.98E-06	1.00E+00	4.56E-03
phe.Fasting_irs141692339S3	"PCDHGA6,Prs57503635 S3	NA	9.72E-08	1	7.43E-05	1.66E-14	6.76E-07	1.39E-10
phe.Fasting_irs141692339S3	"PCDHGA6,Prs60011869 S16	NA	1.76E-06	1	0.00100002	4.59E-10	1.87E-02	1.20E-06
phe.Fasting_irs141692339S3	"PCDHGA6,Prs7004597 S8	NA	9.79E-16	4.00E-08	2.91E-12	4.47E-06	1.00E+00	4.16E-03
phe.Fasting_irs141692339S3	"PCDHGA6,Prs7256517 S7	CYTH2	1.70E-16	6.96E-09	6.09E-13	4.13E-10	1.68E-02	1.08E-06
phe.Fasting_irs141692339S3	"PCDHGA6,Prs73392640 S8	POLR3B	3.60E-11	0.00147084	5.01E-08	5.89E-10	2.40E-02	1.49E-06
phe.Fasting_irs141692339S3	"PCDHGA6,Prs74627895 S8	TMEM64	1.78E-05	1	0.00753355	1.78E-07	1.00E+00	2.39E-04
phe.Fasting_irs141692339S3	"PCDHGA6,Prs74701059 S24	C17orf102	2.21E-05	1	0.00907468	3.08E-12	1.25E-04	1.31E-08
phe.Fasting_irs141692339S3	"PCDHGA6,Prs74914207 S24	NA	1.52E-11	0.000622698	2.34E-08	2.21E-07	1.00E+00	2.89E-04
phe.Fasting_irs141692339S3	"PCDHGA6,Prs75350765 S5	RCL1	1.72E-17	7.04E-10	1.28E-13	1.93E-08	7.87E-01	3.33E-05
phe.Fasting_irs141692339S3	"PCDHGA6,Prs75374128 S5	CNTLN	1.74E-17	7.09E-10	1.29E-13	2.83E-06	1.00E+00	2.78E-03
phe.Fasting_irs141692339S3	"PCDHGA6,Prs75506779 S5	TMCO3	8.05E-08	1	6.26E-05	5.98E-09	2.44E-01	1.16E-05

phe.Fasting_rs141692339S3	"PCDHGA6,Prs75758702	S24	NA	9.69E-18	3.96E-10	9.48E-14	9.65E-10	3.93E-02	2.29E-06
phe.Fasting_rs141692339S3	"PCDHGA6,Prs75864203	S8	CNTLN	1.74E-17	7.09E-10	1.29E-13	2.83E-06	1.00E+00	2.78E-03
phe.Fasting_rs141692339S3	"PCDHGA6,Prs76844308	S8	CNTLN	9.27E-18	3.78E-10	9.26E-14	2.49E-06	1.00E+00	2.49E-03
phe.Fasting_rs141692339S3	"PCDHGA6,Prs7763107	S8	FARS2	3.11E-08	1	2.66E-05	4.51E-10	1.83E-02	1.18E-06
phe.Fasting_rs141692339S3	"PCDHGA6,Prs77798597	S7	KPNA3	4.75E-16	1.94E-08	1.51E-12	5.58E-14	2.27E-06	3.84E-10
phe.Fasting_rs141692339S3	"PCDHGA6,Prs77845645	S21	NA	2.63E-07	1	0.000183695	3.92E-11	1.59E-03	1.29E-07
phe.Fasting_rs141692339S3	"PCDHGA6,Prs78353402	S8	AP3M2	9.79E-16	4.00E-08	2.91E-12	7.51E-06	1.00E+00	6.42E-03
phe.Fasting_rs141692339S3	"PCDHGA6,Prs78516788	S8	SLC38A1	4.20E-12	0.000171668	7.55E-09	1.06E-08	4.31E-01	1.95E-05
phe.Fasting_rs141692339S3	"PCDHGA6,Prs78697063	S5	MSI2	5.78E-20	2.36E-12	2.23E-14	3.66E-10	1.49E-02	9.68E-07
phe.Fasting_rs141692339S3	"PCDHGA6,Prs78722272	S5	CNTLN	1.74E-17	7.09E-10	1.29E-13	2.93E-06	1.00E+00	2.87E-03
phe.Fasting_rs141692339S3	"PCDHGA6,Prs78736524	S5	KPNA3	4.75E-16	1.94E-08	1.51E-12	6.03E-14	2.46E-06	4.09E-10
phe.Fasting_rs141692339S3	"PCDHGA6,Prs79703349	S24	C17orf102	2.21E-05	1	0.00907468	3.84E-12	1.56E-04	1.59E-08
phe.Fasting_rs141692339S3	"PCDHGA6,Prs79781495	S8	KPNA3	4.75E-16	1.94E-08	1.51E-12	5.58E-14	2.27E-06	3.84E-10
phe.Fasting_rs141692339S3	"PCDHGA6,Prs79886603	S15	NA	1.32E-08	0.540851	1.21E-05	1.22E-05	1.00E+00	9.54E-03
phe.Fasting_rs141692339S3	"PCDHGA6,Prs80200953	S8	PPP2R5D	1.67E-08	0.681117	1.49E-05	4.49E-06	1.00E+00	4.17E-03
phe.Fasting_rs141692339S3	"PCDHGA6,Prs80332465	S5	KPNA3	5.06E-16	2.07E-08	1.59E-12	6.03E-14	2.45E-06	4.09E-10
phe.Fasting_rs141692339S3	"PCDHGA6,Prs80334773	S5	KPNA3	5.06E-16	2.07E-08	1.59E-12	6.03E-14	2.45E-06	4.09E-10
phe.Fasting_rs1417804	IFI16	rs140524622S7	MRPL10	5.85E-06	1	0.002861	1.30E-06	1.00E+00	1.43E-03
phe.Fasting_rs141926074S8	ATE1	rs112924584S7	PPME1	7.10E-06	1	0.0033964	5.93E-06	1.00E+00	5.27E-03
phe.Fasting_rs141926074S8	ATE1	rs115305957S23	NA	5.19E-18	2.12E-10	6.91E-14	1.53E-06	1.00E+00	1.65E-03
phe.Fasting_rs141926074S8	ATE1	rs115787552S5	KPNA3	1.30E-16	5.31E-09	5.25E-13	2.22E-15	9.04E-08	2.24E-11
phe.Fasting_rs141926074S8	ATE1	rs115888477S8	NA	9.78E-16	3.99E-08	2.91E-12	3.77E-15	1.53E-07	3.57E-11
phe.Fasting_rs141926074S8	ATE1	rs116079984S8	KPNA3	1.30E-16	5.31E-09	5.25E-13	3.91E-15	1.59E-07	3.68E-11
phe.Fasting_rs141926074S8	ATE1	rs116548615S8	TMEM45B	2.25E-05	1	0.00923407	1.44E-06	1.00E+00	1.56E-03
phe.Fasting_rs141926074S8	ATE1	rs140524622S7	MRPL10	1.44E-17	5.90E-10	1.16E-13	2.55E-09	1.04E-01	5.48E-06
phe.Fasting_rs141926074S8	ATE1	rs146815317S5	KPNA3	1.30E-16	5.31E-09	5.25E-13	2.22E-15	9.04E-08	2.24E-11
phe.Fasting_rs141926074S8	ATE1	rs150117838S8	KPNA3	1.30E-16	5.31E-09	5.25E-13	3.55E-15	1.45E-07	3.39E-11
phe.Fasting_rs141926074S8	ATE1	rs17132837	S8	PPME1	7.35E-06	1	0.00349772	5.99E-06	1.00E+00
phe.Fasting_rs141926074S8	ATE1	rs17132870	S7	PPME1	7.35E-06	1	0.00349772	5.99E-06	1.00E+00
phe.Fasting_rs141926074S8	ATE1	rs56142225	S8	PPME1	7.88E-06	1	0.00371633	9.63E-07	1.00E+00
phe.Fasting_rs141926074S8	ATE1	rs56398234	S8	LRCH1	1.51E-10	0.00616305	1.89E-07	2.34E-07	1.00E+00
phe.Fasting_rs141926074S8	ATE1	rs57503635	S3	NA	3.36E-17	1.37E-09	1.87E-13	4.46E-15	1.81E-07
phe.Fasting_rs141926074S8	ATE1	rs7256517	S7	CYTH2	4.52E-17	1.85E-09	2.30E-13	4.92E-09	2.00E-01
phe.Fasting_rs141926074S8	ATE1	rs73619637	S8	NA	2.46E-06	1	0.00133571	3.93E-08	1.00E+00
phe.Fasting_rs141926074S8	ATE1	rs74701059	S24	C17orf102	5.09E-18	2.08E-10	6.90E-14	2.41E-06	1.00E+00
phe.Fasting_rs141926074S8	ATE1	rs74914207	S24	NA	1.21E-17	4.92E-10	1.05E-13	2.93E-15	1.19E-07
phe.Fasting_rs141926074S8	ATE1	rs77798597	S7	KPNA3	1.30E-16	5.31E-09	5.25E-13	3.55E-15	1.45E-07
phe.Fasting_rs141926074S8	ATE1	rs78516788	S8	SLC38A1	4.52E-18	1.85E-10	6.42E-14	1.50E-12	6.10E-05
phe.Fasting_rs141926074S8	ATE1	rs78736524	S5	KPNA3	1.30E-16	5.31E-09	5.25E-13	2.22E-15	9.04E-08
phe.Fasting_rs141926074S8	ATE1	rs7925695	S7	PPME1	7.35E-06	1	0.00349772	5.99E-06	1.00E+00



phe.Fasting_rs141926074 S8	ATE1	rs79703349 S24	C17orf102	5.09E-18	2.08E-10	6.90E-14	2.85E-06	1.00E+00	2.80E-03
phe.Fasting_rs141926074 S8	ATE1	rs79781495 S8	KPNA3	1.30E-16	5.31E-09	5.25E-13	3.55E-15	1.45E-07	3.39E-11
phe.Fasting_rs141926074 S8	ATE1	rs79886603 S15	NA	3.97E-18	1.62E-10	5.99E-14	3.44E-06	1.00E+00	3.30E-03
phe.Fasting_rs141926074 S8	ATE1	rs80332465 S5	KPNA3	1.39E-16	5.69E-09	5.53E-13	3.20E-15	1.30E-07	3.07E-11
phe.Fasting_rs141926074 S8	ATE1	rs80334773 S5	KPNA3	1.39E-16	5.69E-09	5.53E-13	3.20E-15	1.30E-07	3.07E-11
phe.Fasting_rs141926074 S8	ATE1	rs8075478 S8	MYH10	1.79E-18	7.31E-11	3.84E-14	1.03E-09	4.20E-02	2.45E-06
phe.Fasting_rs142480565 S8	DIAPH1	rs111576333 S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs142480565 S8	DIAPH1	rs112089881 S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.45E-02	2.58E-06
phe.Fasting_rs142480565 S8	DIAPH1	rs112091318 S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1.00E+00	6.13E-05
phe.Fasting_rs142480565 S8	DIAPH1	rs114334325 S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs142480565 S8	DIAPH1	rs114394395 S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs142480565 S8	DIAPH1	rs114565620 S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_rs142480565 S8	DIAPH1	rs115083290 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs142480565 S8	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1	0.000486356	7.89E-06	1.00E+00	6.69E-03
phe.Fasting_rs142480565 S8	DIAPH1	rs115752779 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_rs142480565 S8	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs142480565 S8	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs142480565 S8	DIAPH1	rs116011837 S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs142480565 S8	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs142480565 S8	DIAPH1	rs116120727 S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs142480565 S8	DIAPH1	rs116406581 S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_rs142480565 S8	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_rs142480565 S8	DIAPH1	rs116696844 S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_rs142480565 S8	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_rs142480565 S8	DIAPH1	rs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1.00E+00	6.31E-03
phe.Fasting_rs142480565 S8	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs142480565 S8	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs142480565 S8	DIAPH1	rs150916187 S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs142480565 S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs142480565 S8	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1.00E+00	7.14E-03
phe.Fasting_rs142480565 S8	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_rs142480565 S8	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1.00E+00	7.57E-03
phe.Fasting_rs142480565 S8	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	5.46E-03	1.03E-08	4.19E-01	1.90E-05
phe.Fasting_rs142480565 S8	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1.00E+00	7.10E-03
phe.Fasting_rs142480565 S8	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1.00E+00	7.32E-03
phe.Fasting_rs142480565 S8	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1.00E+00	7.93E-03
phe.Fasting_rs142480565 S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs142480565 S8	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1.00E+00	8.01E-03
phe.Fasting_rs142480565 S8	DIAPH1	rs60011869 S16	NA	1.04E-05	1	4.72E-03	8.16E-10	3.32E-02	1.98E-06
phe.Fasting_rs142480565 S8	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1.00E+00	7.43E-03

phe.Fasting_	rs142480565	S8	DIAPH1	rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1.00E+00	3.04E-04
phe.Fasting_	rs142480565	S8	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	1.96E-04	1.91E-08
phe.Fasting_	rs142480565	S8	DIAPH1	rs73283603	S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1.00E+00	2.68E-04
phe.Fasting_	rs142480565	S8	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	2.11E-03	1.67E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs734069	S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	2.73E-02	1.68E-06
phe.Fasting_	rs142480565	S8	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	8.34E-03	5.78E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	8.28E-01	3.48E-05
phe.Fasting_	rs142480565	S8	DIAPH1	rs74914207	S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	3.71E-03	2.80E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_	rs142480565	S8	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_	rs142480565	S8	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	4.50E-01	2.03E-05
phe.Fasting_	rs142480565	S8	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	6.38E-03	4.59E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_	rs142480565	S8	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	3.45E-03	2.62E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1.00E+00	1.35E-04
phe.Fasting_	rs142480565	S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	3.76E-04	3.44E-08
phe.Fasting_	rs142480565	S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs77845645	S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	1.71E-03	1.38E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs142480565	S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	9.93E-03	6.74E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	2.78E-02	1.70E-06
phe.Fasting_	rs142480565	S8	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1.00E+00	1.48E-04
phe.Fasting_	rs142480565	S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs78990344	S2	LOC1005063	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_	rs142480565	S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1.00E+00	5.59E-04
phe.Fasting_	rs142480565	S8	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.48E-01	7.55E-06
phe.Fasting_	rs142480565	S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs142480565	S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs111576333	S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	4.45E-02	2.58E-06
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs112091318	S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1.00E+00	6.13E-05
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs11524145	S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1.00E+00	6.69E-03
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	5.77E-01	2.53E-05
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOC	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10

phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs116011837	S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs116120727	S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1.00E+00	3.05E-04
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	3.54E-04	3.26E-08
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1.00E+00	4.75E-04
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs11989304	S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs140524622	S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1.00E+00	6.31E-03
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs150916187	S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs16894241	S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1.00E+00	7.14E-03
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs2153597	S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	1.84E-01	9.08E-06
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs2835656	S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1.00E+00	7.57E-03
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs34801978	S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	4.19E-01	1.90E-05
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs352346	S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1.00E+00	7.10E-03
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs3750898	S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1.00E+00	7.32E-03
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1.00E+00	7.93E-03
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs58905476	S7	TTC3	3.29E-10	1.34E-02	3.90E-07	7.97E-06	1.00E+00	8.01E-03
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs60011869	S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	3.32E-02	1.98E-06
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1.00E+00	7.43E-03
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1.00E+00	3.04E-04
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	1.96E-04	1.91E-08
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs73283603	S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1.00E+00	2.68E-04
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs73392640	S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	2.11E-03	1.67E-07
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	2.73E-02	1.68E-06
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	8.34E-03	5.78E-07
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs74627895	S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	8.28E-01	3.48E-05
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs74914207	S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	3.71E-03	2.80E-07
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1.00E+00	5.84E-05
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs75506779	S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	4.50E-01	2.03E-05
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	6.38E-03	4.59E-07
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1.00E+00	1.42E-04
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs75949566	S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	3.45E-03	2.62E-07
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1.00E+00	1.35E-04
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	3.76E-04	3.44E-08
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10

phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs77845645	S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	1.71E-03	1.38E-07	
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1.00E+00	4.75E-04	
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	9.93E-03	6.74E-07	
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	2.78E-02	1.70E-06	
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1.00E+00	1.48E-04	
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs78990344	S2	LOC1005063	2.37E-06	1.00E+00	1.30E-03	6.78E-11	2.76E-03	2.13E-07	
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1.00E+00	5.59E-04	
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	1.48E-01	7.55E-06	
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs142718558	S7	"DIAPH1,LOCrs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs142789100	S8	DIAPH1	rs111576333	S5	TMEM64	5.56E-07	1	0.000361481	7.80E-15	3.17E-07	6.90E-11
phe.Fasting_	rs142789100	S8	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	7.96E-03	5.56E-07
phe.Fasting_	rs142789100	S8	DIAPH1	rs112091318	S5	TMEM64	1.64E-07	1.00E+00	1.18E-04	9.13E-09	3.72E-01	1.72E-05
phe.Fasting_	rs142789100	S8	DIAPH1	rs114334325	S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_	rs142789100	S8	DIAPH1	rs114394395	S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_	rs142789100	S8	DIAPH1	rs114565620	S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	3.35E-01	1.57E-05
phe.Fasting_	rs142789100	S8	DIAPH1	rs115083290	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	1.13E-01	5.90E-06
phe.Fasting_	rs142789100	S8	DIAPH1	rs115752779	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	1.13E-01	5.90E-06
phe.Fasting_	rs142789100	S8	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs142789100	S8	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_	rs142789100	S8	DIAPH1	rs116011837	S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_	rs142789100	S8	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_	rs142789100	S8	DIAPH1	rs116120727	S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_	rs142789100	S8	DIAPH1	rs116406581	S2	NA	5.24E-15	2.14E-07	1.36E-11	5.32E-08	1.00E+00	8.11E-05
phe.Fasting_	rs142789100	S8	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_	rs142789100	S8	DIAPH1	rs116696844	S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_	rs142789100	S8	DIAPH1	rs11989304	S4	TMEM64	5.56E-07	1.00E+00	3.61E-04	1.11E-11	4.53E-04	4.10E-08
phe.Fasting_	rs142789100	S8	DIAPH1	rs140524622	S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.83E-06	1.00E+00	2.79E-03
phe.Fasting_	rs142789100	S8	DIAPH1	rs146815317	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs142789100	S8	DIAPH1	rs150117838	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs142789100	S8	DIAPH1	rs150916187	S4	HIST1H2BK	4.14E-06	1.00E+00	2.11E-03	2.61E-15	1.06E-07	2.55E-11
phe.Fasting_	rs142789100	S8	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	1.52E-04	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_	rs142789100	S8	DIAPH1	rs34801978	S3	HOXB2	2.19E-06	1.00E+00	1.21E-03	1.65E-09	6.71E-02	3.72E-06
phe.Fasting_	rs142789100	S8	DIAPH1	rs4732511	S13	POR	9.61E-15	3.93E-07	2.45E-11	2.36E-06	1.00E+00	2.39E-03
phe.Fasting_	rs142789100	S8	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_	rs142789100	S8	DIAPH1	rs60011869	S16	NA	2.13E-06	1	1.18E-03	1.78E-07	1.00E+00	2.39E-04
phe.Fasting_	rs142789100	S8	DIAPH1	rs6964407	S7	POR	3.32E-14	1.36E-06	8.04E-11	2.16E-06	1.00E+00	2.22E-03
phe.Fasting_	rs142789100	S8	DIAPH1	rs7004597	S8	NA	1.25E-15	5.12E-08	3.65E-12	5.12E-08	1.00E+00	7.84E-05

phe.Fasting_rs142789100S8	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs142789100S8	DIAPH1	rs73283603	S7	ZWINT	4.49E-07	1	2.97E-04	4.53E-08	1.00E+00	7.02E-05
phe.Fasting_rs142789100S8	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	2.78E-04	2.62E-08
phe.Fasting_rs142789100S8	DIAPH1	rs73619637	S8	NA	2.00E-16	8.15E-09	6.95E-13	6.35E-08	1.00E+00	9.54E-05
phe.Fasting_rs142789100S8	DIAPH1	rs74627895	S8	TMEM64	1.64E-07	1	1.18E-04	4.42E-09	1.80E-01	8.98E-06
phe.Fasting_rs142789100S8	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	6.34E-04	5.60E-08
phe.Fasting_rs142789100S8	DIAPH1	rs75350765	S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	3.35E-01	1.57E-05
phe.Fasting_rs142789100S8	DIAPH1	rs75374128	S5	CNTLN	5.25E-06	1	0.00259743	1.83E-08	7.47E-01	3.18E-05
phe.Fasting_rs142789100S8	DIAPH1	rs75506779	S5	TMCO3	1.04E-07	1	7.88E-05	2.32E-09	9.43E-02	5.04E-06
phe.Fasting_rs142789100S8	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	1.16E-03	9.77E-08
phe.Fasting_rs142789100S8	DIAPH1	rs75864203	S8	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.83E-08	7.47E-01	3.18E-05
phe.Fasting_rs142789100S8	DIAPH1	rs75949566	S5	TMEM64	6.52E-07	1.00E+00	4.16E-04	1.49E-11	6.08E-04	5.38E-08
phe.Fasting_rs142789100S8	DIAPH1	rs76844308	S8	CNTLN	2.67E-06	1.00E+00	1.44E-03	1.80E-08	7.34E-01	3.14E-05
phe.Fasting_rs142789100S8	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs142789100S8	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs142789100S8	DIAPH1	rs77845645	S21	NA	3.35E-07	1.00E+00	2.29E-04	1.04E-11	4.24E-04	3.85E-08
phe.Fasting_rs142789100S8	DIAPH1	rs78353402	S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs142789100S8	DIAPH1	rs78516788	S8	SLC38A1	1.24E-06	1	7.38E-04	2.76E-09	1.12E-01	5.89E-06
phe.Fasting_rs142789100S8	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	5.92E-03	4.35E-07
phe.Fasting_rs142789100S8	DIAPH1	rs78703708	S7	FAF2	7.40E-12	0.000302252	1.27E-08	7.08E-06	1.00E+00	6.12E-03
phe.Fasting_rs142789100S8	DIAPH1	rs78722272	S5	CNTLN	5.25E-06	1	2.60E-03	1.89E-08	7.67E-01	3.26E-05
phe.Fasting_rs142789100S8	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs142789100S8	DIAPH1	rs78990344	S2	LOC10050631	5.56E-07	1	0.000361481	1.11E-11	4.53E-04	4.10E-08
phe.Fasting_rs142789100S8	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs142789100S8	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.37E-10	3.41E-02	2.03E-06
phe.Fasting_rs142789100S8	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs142789100S8	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs142789100S8	DIAPH1	rs891061	S7	POP4	6.59E-07	1.00E+00	4.20E-04	1.19E-05	1.00E+00	9.35E-03
phe.Fasting_rs142812798S7	DIAPH1	rs111576333	S5	TMEM64	5.56E-07	1	0.000361481	7.80E-15	3.17E-07	6.90E-11
phe.Fasting_rs142812798S7	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	7.96E-03	5.56E-07
phe.Fasting_rs142812798S7	DIAPH1	rs112091318	S5	TMEM64	1.64E-07	1	0.000118218	9.13E-09	3.72E-01	1.72E-05
phe.Fasting_rs142812798S7	DIAPH1	rs114334325	S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs142812798S7	DIAPH1	rs114394395	S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_rs142812798S7	DIAPH1	rs114565620	S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	3.35E-01	1.57E-05
phe.Fasting_rs142812798S7	DIAPH1	rs115083290	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	1.13E-01	5.90E-06
phe.Fasting_rs142812798S7	DIAPH1	rs115752779	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	1.13E-01	5.90E-06
phe.Fasting_rs142812798S7	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs142812798S7	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs142812798S7	DIAPH1	rs116011837	S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs142812798S7	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10

phe.Fasting_	rs142812798S7	DIAPH1	rs116120727S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_	rs142812798S7	DIAPH1	rs116406581S2	NA	5.24E-15	2.14E-07	1.36E-11	5.32E-08	1.00E+00	8.11E-05
phe.Fasting_	rs142812798S7	DIAPH1	rs116548615S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_	rs142812798S7	DIAPH1	rs116696844S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_	rs142812798S7	DIAPH1	rs11989304S4	TMEM64	5.56E-07	1.00E+00	3.61E-04	1.11E-11	4.53E-04	4.10E-08
phe.Fasting_	rs142812798S7	DIAPH1	rs140524622S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.83E-06	1.00E+00	2.79E-03
phe.Fasting_	rs142812798S7	DIAPH1	rs146815317S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs142812798S7	DIAPH1	rs150117838S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs142812798S7	DIAPH1	rs150916187S4	HIST1H2BK	4.14E-06	1	2.11E-03	2.61E-15	1.06E-07	2.55E-11
phe.Fasting_	rs142812798S7	DIAPH1	rs16894241S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_	rs142812798S7	DIAPH1	rs34801978S3	HOXB2	2.19E-06	1.00E+00	1.21E-03	1.65E-09	6.71E-02	3.72E-06
phe.Fasting_	rs142812798S7	DIAPH1	rs4732511S13	POR	9.61E-15	3.93E-07	2.45E-11	2.36E-06	1.00E+00	2.39E-03
phe.Fasting_	rs142812798S7	DIAPH1	rs57503635S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_	rs142812798S7	DIAPH1	rs60011869S16	NA	2.13E-06	1.00E+00	1.18E-03	1.78E-07	1.00E+00	2.39E-04
phe.Fasting_	rs142812798S7	DIAPH1	rs6964407S7	POR	3.32E-14	1.36E-06	8.04E-11	2.16E-06	1.00E+00	2.22E-03
phe.Fasting_	rs142812798S7	DIAPH1	rs7004597S8	NA	1.25E-15	5.12E-08	3.65E-12	5.12E-08	1.00E+00	7.84E-05
phe.Fasting_	rs142812798S7	DIAPH1	rs7256517S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_	rs142812798S7	DIAPH1	rs73283603S7	ZWINT	4.49E-07	1	0.000297012	4.53E-08	1.00E+00	7.02E-05
phe.Fasting_	rs142812798S7	DIAPH1	rs73392640S8	POLR3B	4.58E-11	1.87E-03	6.24E-08	6.82E-12	2.78E-04	2.62E-08
phe.Fasting_	rs142812798S7	DIAPH1	rs73619637S8	NA	2.00E-16	8.15E-09	6.95E-13	6.35E-08	1.00E+00	9.54E-05
phe.Fasting_	rs142812798S7	DIAPH1	rs74627895S8	TMEM64	1.64E-07	1.00E+00	1.18E-04	4.42E-09	1.80E-01	8.98E-06
phe.Fasting_	rs142812798S7	DIAPH1	rs74914207S24	NA	2.89E-11	1.18E-03	4.13E-08	1.56E-11	6.34E-04	5.60E-08
phe.Fasting_	rs142812798S7	DIAPH1	rs75350765S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	3.35E-01	1.57E-05
phe.Fasting_	rs142812798S7	DIAPH1	rs75374128S5	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.83E-08	7.47E-01	3.18E-05
phe.Fasting_	rs142812798S7	DIAPH1	rs75506779S5	TMCO3	1.04E-07	1.00E+00	7.88E-05	2.32E-09	9.43E-02	5.04E-06
phe.Fasting_	rs142812798S7	DIAPH1	rs75758702S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	1.16E-03	9.77E-08
phe.Fasting_	rs142812798S7	DIAPH1	rs75864203S8	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.83E-08	7.47E-01	3.18E-05
phe.Fasting_	rs142812798S7	DIAPH1	rs75949566S5	TMEM64	6.52E-07	1.00E+00	4.16E-04	1.49E-11	6.08E-04	5.38E-08
phe.Fasting_	rs142812798S7	DIAPH1	rs76844308S8	CNTLN	2.67E-06	1.00E+00	1.44E-03	1.80E-08	7.34E-01	3.14E-05
phe.Fasting_	rs142812798S7	DIAPH1	rs7763107S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_	rs142812798S7	DIAPH1	rs77798597S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs142812798S7	DIAPH1	rs77845645S21	NA	3.35E-07	1	2.29E-04	1.04E-11	4.24E-04	3.85E-08
phe.Fasting_	rs142812798S7	DIAPH1	rs78353402S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1.00E+00	1.26E-04
phe.Fasting_	rs142812798S7	DIAPH1	rs78516788S8	SLC38A1	1.24E-06	1	0.000737575	2.76E-09	1.12E-01	5.89E-06
phe.Fasting_	rs142812798S7	DIAPH1	rs78697063S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	5.92E-03	4.35E-07
phe.Fasting_	rs142812798S7	DIAPH1	rs78703708S7	FAF2	7.40E-12	3.02E-04	1.27E-08	7.08E-06	1.00E+00	6.12E-03
phe.Fasting_	rs142812798S7	DIAPH1	rs78722272S5	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.89E-08	7.67E-01	3.26E-05
phe.Fasting_	rs142812798S7	DIAPH1	rs78736524S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs142812798S7	DIAPH1	rs78990344S2	LOC10050631	5.56E-07	1.00E+00	3.61E-04	1.11E-11	4.53E-04	4.10E-08
phe.Fasting_	rs142812798S7	DIAPH1	rs79781495S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10

phe.Fasting_rs142812798S7	DIAPH1	rs80200953 S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.37E-10	3.41E-02	2.03E-06
phe.Fasting_rs142812798S7	DIAPH1	rs80332465 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs142812798S7	DIAPH1	rs80334773 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs142812798S7	DIAPH1	rs891061 S7	POP4	6.59E-07	1.00E+00	4.20E-04	1.19E-05	1.00E+00	9.35E-03
phe.Fasting_rs142888461S7	NEK1	rs112027720S7	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs112089881S8	ZFAND4	4.26E-18	1.74E-10	6.30E-14	4.15E-09	1.69E-01	8.48E-06
phe.Fasting_rs142888461S7	NEK1	rs113219478S7	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs113357907S24	ISL1	9.27E-18	3.79E-10	9.26E-14	6.30E-16	2.56E-08	1.16E-11
phe.Fasting_rs142888461S7	NEK1	rs115888477S8	NA	3.85E-15	1.57E-07	1.03E-11	4.89E-06	1.00E+00	4.49E-03
phe.Fasting_rs142888461S7	NEK1	rs116011837S9	BRD2	3.44E-17	1.40E-09	1.90E-13	1.14E-10	4.66E-03	3.47E-07
phe.Fasting_rs142888461S7	NEK1	rs116120727S9	BRD2	3.44E-17	1.40E-09	1.90E-13	1.14E-10	4.66E-03	3.47E-07
phe.Fasting_rs142888461S7	NEK1	rs138090701S5	HDAC3	1.82E-12	7.42E-05	3.46E-09	7.93E-09	3.23E-01	1.52E-05
phe.Fasting_rs142888461S7	NEK1	rs138136869S7	DIAPH1	2.88E-12	0.000117726	5.29E-09	1.96E-09	7.96E-02	4.33E-06
phe.Fasting_rs142888461S7	NEK1	rs138457103S10	DIAPH1	9.52E-12	3.89E-04	1.52E-08	1.28E-08	5.20E-01	2.32E-05
phe.Fasting_rs142888461S7	NEK1	rs138487229S11	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs138738950S8	"PCDHGB2,Pi	1.60E-11	0.000653967	2.44E-08	1.64E-08	6.68E-01	2.88E-05
phe.Fasting_rs142888461S7	NEK1	rs139297927S8	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs139337303S8	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs139403963S8	DIAPH1	2.88E-12	0.000117726	5.29E-09	1.96E-09	7.96E-02	4.33E-06
phe.Fasting_rs142888461S7	NEK1	rs139621309S18	"LOC10050506	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs139828110S8	DIAPH1	2.88E-12	1.18E-04	5.29E-09	1.96E-09	7.96E-02	4.33E-06
phe.Fasting_rs142888461S7	NEK1	rs140070363S8	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs140644750S13	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs141022544S8	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs141525984S5	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs141926074S8	ATE1	1.96E-06	1.00E+00	1.10E-03	1.10E-14	4.48E-07	9.51E-11
phe.Fasting_rs142888461S7	NEK1	rs142480565S8	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs142718558S7	"DIAPH1,LOC	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs142789100S8	DIAPH1	2.88E-12	1.18E-04	5.29E-09	1.96E-09	7.96E-02	4.33E-06
phe.Fasting_rs142888461S7	NEK1	rs142812798S7	DIAPH1	2.88E-12	1.18E-04	5.29E-09	1.96E-09	7.96E-02	4.33E-06
phe.Fasting_rs142888461S7	NEK1	rs143377827S13	"DIAPH1,LOC	2.55E-12	0.000104269	4.74E-09	1.60E-09	6.51E-02	3.61E-06
phe.Fasting_rs142888461S7	NEK1	rs143691978S11	DIAPH1	2.88E-12	0.000117726	5.29E-09	3.42E-09	1.39E-01	7.14E-06
phe.Fasting_rs142888461S7	NEK1	rs144081334S11	DIAPH1	2.88E-12	0.000117726	5.29E-09	3.42E-09	1.39E-01	7.14E-06
phe.Fasting_rs142888461S7	NEK1	rs144613910S8	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs145027704S11	DIAPH1	2.88E-12	0.000117726	5.29E-09	3.42E-09	1.39E-01	7.14E-06
phe.Fasting_rs142888461S7	NEK1	rs146220673S7	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs146622060S13	DIAPH1	2.88E-12	0.000117726	5.29E-09	3.42E-09	1.39E-01	7.14E-06
phe.Fasting_rs142888461S7	NEK1	rs146878162S7	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs1470889 S5	ZC3H3	1.71E-06	1	9.78E-04	1.99E-07	1.00E+00	2.63E-04
phe.Fasting_rs142888461S7	NEK1	rs1470890 S5	ZC3H3	1.71E-06	1	9.78E-04	1.99E-07	1.00E+00	2.63E-04

phe.Fasting_rs142888461S7	NEK1	rs147314451S8	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs147417996S7	DIAPH1	2.88E-12	1.18E-04	5.29E-09	3.42E-09	1.39E-01	7.14E-06
phe.Fasting_rs142888461S7	NEK1	rs147646948S7	"LOC1005056	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs147677041S8	DIAPH1	2.88E-12	1.18E-04	5.29E-09	1.96E-09	7.96E-02	4.33E-06
phe.Fasting_rs142888461S7	NEK1	rs148116628S7	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	6.72E-01	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs148423011S7	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs149019627S8	DIAPH1	2.88E-12	0.000117726	5.29E-09	1.96E-09	0.079617	4.33E-06
phe.Fasting_rs142888461S7	NEK1	rs149075406S8	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs149334783S8	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs149716949S5	DIAPH1	1.36E-12	5.57E-05	2.68E-09	1.76E-09	0.0715219	3.93E-06
phe.Fasting_rs142888461S7	NEK1	rs149791570S5	DIAPH1	2.88E-12	0.000117726	5.29E-09	1.96E-09	0.079617	4.33E-06
phe.Fasting_rs142888461S7	NEK1	rs150452206S13	"DIAPH1,LOC	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs150675915S7	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs150765570S7	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs150992994S11	"PCDHGA5,PI	1.67E-11	0.0006812	"2.54E-08	1.57E-08	0.638392	2.77E-05
phe.Fasting_rs142888461S7	NEK1	rs151204700S8	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs151330468S8	DIAPH1	2.88E-12	0.000117726	5.29E-09	3.42E-09	0.139072	7.14E-06
phe.Fasting_rs142888461S7	NEK1	rs16894241 S4	HIST1H2BK	8.77E-08	1	6.77E-05	3.72E-07	1	4.60E-04
phe.Fasting_rs142888461S7	NEK1	rs180772028S8	"DIAPH1,LOC	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs181224861S7	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs182714699S8	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs182965141S8	DIAPH1	3.52E-12	1.44E-04	6.36E-09	1.04E-09	0.0423791	2.47E-06
phe.Fasting_rs142888461S7	NEK1	rs183597049S7	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs183980988S2	NA	1.60E-11	6.54E-04	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs184233232S7	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs184509477S13	"PCDHGB4,PI	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs185069296S15	"LOC1005056	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs185502834S8	DIAPH1	2.88E-12	0.000117726	5.29E-09	1.96E-09	0.079617	4.33E-06
phe.Fasting_rs142888461S7	NEK1	rs185759881S7	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs187000011S11	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs188981295S5	"RPS27AP10,	1.60E-11	6.54E-04	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs190559574S7	DIAPH1	2.88E-12	1.18E-04	5.29E-09	1.96E-09	0.079617	4.33E-06
phe.Fasting_rs142888461S7	NEK1	rs191544043S8	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs191766712S7	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs192690040S7	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs192765219S7	DIAPH1	1.60E-11	0.000653967	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs192770525S7	DIAPH1	1.60E-11	6.54E-04	2.44E-08	1.65E-08	0.672373	2.89E-05
phe.Fasting_rs142888461S7	NEK1	rs2924507 S5	ZC3H3	1.71E-06	1.00E+00	9.78E-04	1.99E-07	1	2.63E-04
phe.Fasting_rs142888461S7	NEK1	rs2924508 S8	ZC3H3	1.71E-06	1	0.000978033	2.90E-07	1	3.69E-04
phe.Fasting_rs142888461S7	NEK1	rs2924511 S7	ZC3H3	1.71E-06	1	0.000978033	1.69E-07	1	2.27E-04



phe.Fasting_	rs142888461	S7	NEK1	rs2924512	S7	ZC3H3	1.86E-06	1	0.0010547	2.01E-07	1	2.66E-04
phe.Fasting_	rs142888461	S7	NEK1	rs2956376	S8	ZC3H3	1.71E-06	1	0.000978033	1.08E-07	1	1.51E-04
phe.Fasting_	rs142888461	S7	NEK1	rs2980270	S7	ZC3H3	1.71E-06	1	0.000978033	1.08E-07	1	1.51E-04
phe.Fasting_	rs142888461	S7	NEK1	rs2980272	S7	ZC3H3	1.86E-06	1	0.0010547	2.12E-07	1	2.79E-04
phe.Fasting_	rs142888461	S7	NEK1	rs2980275	S5	ZC3H3	1.71E-06	1.00E+00	9.78E-04	1.99E-07	1	2.63E-04
phe.Fasting_	rs142888461	S7	NEK1	rs35990401	S7	DIAPH1	1.46E-11	5.95E-04	2.24E-08	5.87E-09	0.238952	1.15E-05
phe.Fasting_	rs142888461	S7	NEK1	rs366767	S5	ZC3H3	3.05E-06	1.00E+00	1.61E-03	1.14E-07	1	1.59E-04
phe.Fasting_	rs142888461	S7	NEK1	rs55900860	S7	DIAPH1	2.88E-12	0.000117726	5.29E-09	1.96E-09	0.079617	4.33E-06
phe.Fasting_	rs142888461	S7	NEK1	rs6881310	S23	ISL1	6.43E-17	2.62E-09	2.96E-13	1.73E-12	7.04E-05	7.61E-09
phe.Fasting_	rs142888461	S7	NEK1	rs73619637	S8	NA	1.52E-16	6.22E-09	5.86E-13	1.04E-08	0.422183	1.91E-05
phe.Fasting_	rs142888461	S7	NEK1	rs77444916	S23	LOC642366	2.32E-17	9.46E-10	1.47E-13	5.90E-16	2.40E-08	1.16E-11
phe.Fasting_	rs142888461	S7	NEK1	rs78703708	S7	FAF2	5.75E-09	0.234924	5.59E-06	1.16E-07	1	1.62E-04
phe.Fasting_	rs142888461	S7	NEK1	rs79517926	S15	"DIAPH1,LOC	4.61E-12	1.88E-04	8.25E-09	1.10E-09	0.044934	2.60E-06
phe.Fasting_	rs142888461	S7	NEK1	rs80258830	S24	LOC642366	2.32E-17	9.46E-10	1.47E-13	5.90E-16	2.40E-08	1.16E-11
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs1000115	S5	LPAR1	2.25E-05	1.00E+00	9.22E-03	1.22E-08	0.4953	2.22E-05
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs111576333	S5	TMEM64	5.70E-07	1.00E+00	3.70E-04	6.68E-15	2.72E-07	5.98E-11
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs112089881	S8	ZFAND4	3.54E-18	1.44E-10	5.67E-14	1.61E-10	0.00653416	4.68E-07
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs112091318	S5	TMEM64	1.69E-07	1.00E+00	1.22E-04	7.58E-09	0.308404	1.45E-05
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs114334325	S7	AP3M2	1.02E-15	4.17E-08	3.03E-12	7.18E-08	1	1.05E-04
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs114394395	S7	AP3M2	1.09E-15	4.46E-08	3.20E-12	7.18E-08	1	1.05E-04
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs114565620	S8	RCL1	2.36E-17	9.63E-10	1.48E-13	6.88E-09	0.279975	1.33E-05
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs115083290	S19	NA	8.45E-17	3.45E-09	3.69E-13	2.21E-09	0.089791	4.82E-06
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs115752779	S19	NA	8.45E-17	3.45E-09	3.69E-13	2.21E-09	0.089791	4.82E-06
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs115787552	S5	KPNA3	5.29E-16	2.16E-08	1.66E-12	1.98E-14	8.05E-07	1.59E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs115888477	S8	NA	3.83E-15	1.56E-07	1.02E-11	3.47E-15	1.41E-07	3.32E-11
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs116011837	S9	BRD2	8.87E-12	0.000362046	1.47E-08	7.51E-15	3.06E-07	6.66E-11
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs116079984	S8	KPNA3	5.29E-16	2.16E-08	1.66E-12	2.14E-14	8.71E-07	1.70E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs116120727	S9	BRD2	8.87E-12	0.000362046	1.47E-08	7.51E-15	3.06E-07	6.66E-11
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs116406581	S2	NA	4.35E-15	1.78E-07	1.15E-11	4.32E-08	1	6.72E-05
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs116548615	S8	TMEM45B	3.14E-17	1.28E-09	1.77E-13	1.39E-12	5.67E-05	6.30E-09
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs116696844	S3	AP3M2	1.58E-15	6.47E-08	4.54E-12	7.18E-08	1	1.05E-04
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs11989304	S4	TMEM64	5.70E-07	1	3.70E-04	9.36E-12	0.000380878	3.49E-08
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs140524622	S7	MRPL10	1.92E-17	7.86E-10	1.39E-13	2.19E-06	1	2.24E-03
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs146815317	S5	KPNA3	5.29E-16	2.16E-08	1.66E-12	1.98E-14	8.05E-07	1.59E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs1470889	S5	ZC3H3	2.02E-05	1	8.41E-03	1.51E-14	6.15E-07	1.27E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs1470890	S5	ZC3H3	2.02E-05	1	8.41E-03	1.51E-14	6.15E-07	1.27E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs150117838	S8	KPNA3	5.29E-16	2.16E-08	1.66E-12	1.82E-14	7.42E-07	1.50E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs150916187	S4	HIST1H2BK	3.83E-06	1	0.00196721	2.08E-15	8.48E-08	2.12E-11
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs16894241	S4	HIST1H2BK	3.21E-12	0.000131135	5.86E-09	5.53E-15	2.25E-07	5.05E-11
phe.Fasting_	rs143377827	S13	"DIAPH1,LOC	rs2924507	S5	ZC3H3	2.02E-05	1.00E+00	8.41E-03	1.51E-14	6.15E-07	1.27E-10

phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs2924508	S8	ZC3H3	2.02E-05	1.00E+00	8.41E-03	2.13E-14	8.68E-07	1.70E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs2924511	S7	ZC3H3	2.02E-05	1	0.00840749	2.05E-14	8.35E-07	1.63E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs2924512	S7	ZC3H3	2.17E-05	1	0.0089589	2.64E-14	1.07E-06	1.99E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs2956376	S8	ZC3H3	2.02E-05	1	0.00840749	1.34E-14	5.47E-07	1.14E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs2980270	S7	ZC3H3	2.02E-05	1	0.00840749	1.34E-14	5.47E-07	1.14E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs2980272	S7	ZC3H3	2.17E-05	1.00E+00	8.96E-03	2.97E-14	1.21E-06	2.22E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs2980275	S5	ZC3H3	2.02E-05	1	8.41E-03	1.51E-14	6.15E-07	1.27E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs34801978	S3	HOXB2	2.12E-06	1	1.18E-03	1.23E-09	0.0499249	2.86E-06
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs4732511	S13	POR	2.57E-16	1.05E-08	8.70E-13	1.22E-06	1	1.35E-03
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs57503635	S3	NA	1.33E-16	5.44E-09	5.32E-13	5.51E-15	2.24E-07	5.04E-11
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs60011869	S16	NA	2.03E-06	1	0.00113474	1.47E-07	1	2.01E-04
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs6964407	S7	POR	9.08E-16	3.71E-08	2.71E-12	1.12E-06	1	1.25E-03
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs7004597	S8	NA	1.02E-15	4.17E-08	3.03E-12	4.16E-08	1	6.50E-05
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs7256517	S7	CYTH2	1.72E-16	7.03E-09	6.15E-13	7.89E-13	3.21E-05	3.77E-09
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs73283603	S7	ZWINT	3.85E-07	1	0.000260869	3.46E-08	1	5.52E-05
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs73392640	S8	POLR3B	3.87E-11	0.00157908	5.34E-08	5.63E-12	0.000229351	2.20E-08
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs73619637	S8	NA	2.10E-16	8.56E-09	7.18E-13	5.25E-08	1	8.03E-05
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs74627895	S8	TMEM64	1.69E-07	1	1.22E-04	3.67E-09	0.149515	7.60E-06
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs74914207	S24	NA	2.84E-11	0.00116023	4.07E-08	1.25E-11	0.000510414	4.59E-08
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs75350765	S5	RCL1	2.36E-17	9.63E-10	1.48E-13	6.88E-09	0.279975	1.33E-05
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs75374128	S5	CNTLN	5.16E-06	1	2.56E-03	1.59E-08	0.647215	2.80E-05
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs75506779	S5	TMCO3	8.72E-08	1	6.74E-05	1.92E-09	0.0779913	4.25E-06
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs75758702	S24	NA	1.14E-17	4.64E-10	1.02E-13	2.21E-11	0.000898496	7.70E-08
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs75864203	S8	CNTLN	5.16E-06	1.00E+00	2.56E-03	1.59E-08	0.647215	2.80E-05
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs75949566	S5	TMEM64	6.64E-07	1	0.000422575	1.24E-11	0.000506733	4.56E-08
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs76844308	S8	CNTLN	2.63E-06	1	0.00141838	1.55E-08	0.631983	2.75E-05
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs7763107	S8	FARS2	1.05E-16	4.27E-09	4.43E-13	1.31E-12	5.33E-05	5.92E-09
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs77798597	S7	KPNA3	5.29E-16	2.16E-08	1.66E-12	1.82E-14	7.42E-07	1.50E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs77845645	S21	NA	3.44E-07	1.00E+00	2.35E-04	7.90E-12	0.000321712	2.99E-08
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs78353402	S8	AP3M2	1.02E-15	4.17E-08	3.03E-12	7.18E-08	1	1.05E-04
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs78516788	S8	SLC38A1	1.07E-06	1.00E+00	6.45E-04	2.18E-09	0.0887153	4.77E-06
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs78697063	S5	MSI2	8.73E-20	3.57E-12	2.23E-14	1.11E-10	0.00451638	3.38E-07
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs78703708	S7	FAF2	6.81E-12	2.78E-04	1.18E-08	6.44E-06	1	5.65E-03
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs78722272	S5	CNTLN	5.16E-06	1.00E+00	2.56E-03	1.64E-08	0.666879	2.87E-05
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs78736524	S5	KPNA3	5.29E-16	2.16E-08	1.66E-12	1.98E-14	8.05E-07	1.59E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs78990344	S2	LOC1005063!	5.70E-07	1.00E+00	3.70E-04	9.36E-12	0.000380878	3.49E-08
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs79781495	S8	KPNA3	5.29E-16	2.16E-08	1.66E-12	1.82E-14	7.42E-07	1.50E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs80200953	S8	PPP2R5D	1.48E-17	6.03E-10	1.17E-13	6.06E-10	0.0246685	1.53E-06
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs80332465	S5	KPNA3	5.62E-16	2.29E-08	1.75E-12	1.96E-14	7.98E-07	1.58E-10
phe.Fasting_	rs143377827	S13	"DIAPH1,LOCrs80334773	S5	KPNA3	5.62E-16	2.29E-08	1.75E-12	1.96E-14	7.98E-07	1.58E-10

phe.Fasting_rs143377827 S13	"DIAPH1,LOCrs891061 S7	POP4	1.25E-08	5.10E-01	1.14E-05	1.20E-05	1	9.41E-03
phe.Fasting_rs143691978 S11	DIAPH1 rs111576333 S5	TMEM64	5.56E-07	1.00E+00	3.61E-04	8.30E-15	3.38E-07	7.30E-11
phe.Fasting_rs143691978 S11	DIAPH1 rs112089881 S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	2.00E-10	0.0081353	5.68E-07
phe.Fasting_rs143691978 S11	DIAPH1 rs112091318 S5	TMEM64	1.64E-07	1.00E+00	1.18E-04	9.23E-09	0.375672	1.74E-05
phe.Fasting_rs143691978 S11	DIAPH1 rs114334325 S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs143691978 S11	DIAPH1 rs114394395 S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs143691978 S11	DIAPH1 rs114565620 S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.22E-09	0.334664	1.57E-05
phe.Fasting_rs143691978 S11	DIAPH1 rs115083290 S19	NA	8.17E-17	3.34E-09	3.58E-13	2.95E-09	0.120139	6.26E-06
phe.Fasting_rs143691978 S11	DIAPH1 rs115752779 S19	NA	8.17E-17	3.34E-09	3.58E-13	2.95E-09	0.120139	6.26E-06
phe.Fasting_rs143691978 S11	DIAPH1 rs115787552 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs143691978 S11	DIAPH1 rs115888477 S8	NA	3.68E-15	1.50E-07	9.90E-12	4.39E-15	1.79E-07	4.08E-11
phe.Fasting_rs143691978 S11	DIAPH1 rs116011837 S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs143691978 S11	DIAPH1 rs116079984 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs143691978 S11	DIAPH1 rs116120727 S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs143691978 S11	DIAPH1 rs116406581 S2	NA	5.24E-15	2.14E-07	1.36E-11	5.55E-08	1	8.42E-05
phe.Fasting_rs143691978 S11	DIAPH1 rs116548615 S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.84E-12	7.48E-05	8.04E-09
phe.Fasting_rs143691978 S11	DIAPH1 rs116696844 S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs143691978 S11	DIAPH1 rs11989304 S4	TMEM64	5.56E-07	1.00E+00	3.61E-04	1.15E-11	0.000469077	4.23E-08
phe.Fasting_rs143691978 S11	DIAPH1 rs140524622 S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.85E-06	1	2.80E-03
phe.Fasting_rs143691978 S11	DIAPH1 rs146815317 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs143691978 S11	DIAPH1 rs150117838 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs143691978 S11	DIAPH1 rs150916187 S4	HIST1H2BK	4.14E-06	1.00E+00	2.11E-03	2.81E-15	1.14E-07	2.72E-11
phe.Fasting_rs143691978 S11	DIAPH1 rs16894241 S4	HIST1H2BK	3.73E-12	1.52E-04	6.73E-09	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs143691978 S11	DIAPH1 rs34801978 S3	HOXB2	2.19E-06	1.00E+00	1.21E-03	2.24E-09	0.0911397	4.89E-06
phe.Fasting_rs143691978 S11	DIAPH1 rs4732511 S13	POR	9.61E-15	3.93E-07	2.45E-11	2.90E-06	1	2.84E-03
phe.Fasting_rs143691978 S11	DIAPH1 rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs143691978 S11	DIAPH1 rs60011869 S16	NA	2.13E-06	1.00E+00	1.18E-03	1.84E-07	1	2.46E-04
phe.Fasting_rs143691978 S11	DIAPH1 rs6964407 S7	POR	3.32E-14	1.36E-06	8.04E-11	2.65E-06	1	2.63E-03
phe.Fasting_rs143691978 S11	DIAPH1 rs7004597 S8	NA	1.25E-15	5.12E-08	3.65E-12	5.36E-08	1	8.16E-05
phe.Fasting_rs143691978 S11	DIAPH1 rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	1.01E-12	4.13E-05	4.74E-09
phe.Fasting_rs143691978 S11	DIAPH1 rs73283603 S7	ZWINT	4.49E-07	1	0.000297012	4.87E-08	1	7.49E-05
phe.Fasting_rs143691978 S11	DIAPH1 rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	1.10E-11	0.000446024	4.04E-08
phe.Fasting_rs143691978 S11	DIAPH1 rs73619637 S8	NA	2.00E-16	8.15E-09	6.95E-13	6.56E-08	1	9.80E-05
phe.Fasting_rs143691978 S11	DIAPH1 rs74627895 S8	TMEM64	1.64E-07	1.00E+00	1.18E-04	4.43E-09	0.180369	9.00E-06
phe.Fasting_rs143691978 S11	DIAPH1 rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.71E-11	0.000696754	6.13E-08
phe.Fasting_rs143691978 S11	DIAPH1 rs75350765 S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.22E-09	0.334664	1.57E-05
phe.Fasting_rs143691978 S11	DIAPH1 rs75374128 S5	CNTLN	5.25E-06	1	2.60E-03	1.90E-08	0.773981	3.28E-05
phe.Fasting_rs143691978 S11	DIAPH1 rs75506779 S5	TMCO3	1.04E-07	1	7.88E-05	2.35E-09	0.0955642	5.10E-06
phe.Fasting_rs143691978 S11	DIAPH1 rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.90E-11	0.00117848	9.92E-08
phe.Fasting_rs143691978 S11	DIAPH1 rs75864203 S8	CNTLN	5.25E-06	1	2.60E-03	1.90E-08	0.773981	3.28E-05

phe.Fasting_rs143691978S11	DIAPH1	rs75949566	S5	TMEM64	6.52E-07	1	4.16E-04	1.56E-11	0.000636403	5.61E-08
phe.Fasting_rs143691978S11	DIAPH1	rs76844308	S8	CNTLN	2.67E-06	1	1.44E-03	1.85E-08	0.754334	3.21E-05
phe.Fasting_rs143691978S11	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.67E-12	6.82E-05	7.43E-09
phe.Fasting_rs143691978S11	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs143691978S11	DIAPH1	rs77845645	S21	NA	3.35E-07	1	2.29E-04	1.07E-11	0.000437137	3.97E-08
phe.Fasting_rs143691978S11	DIAPH1	rs78353402	S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs143691978S11	DIAPH1	rs78516788	S8	SLC38A1	1.24E-06	1	0.000737575	2.73E-09	0.111147	5.83E-06
phe.Fasting_rs143691978S11	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.49E-10	0.00608249	4.45E-07
phe.Fasting_rs143691978S11	DIAPH1	rs78703708	S7	FAF2	7.40E-12	0.000302252	1.27E-08	7.23E-06	1	6.23E-03
phe.Fasting_rs143691978S11	DIAPH1	rs78722272	S5	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.95E-08	0.795481	3.36E-05
phe.Fasting_rs143691978S11	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs143691978S11	DIAPH1	rs78990344	S2	LOC1005063	5.56E-07	1	3.61E-04	1.15E-11	0.000469077	4.23E-08
phe.Fasting_rs143691978S11	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs143691978S11	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.95E-10	0.0364115	2.15E-06
phe.Fasting_rs143691978S11	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs143691978S11	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs143691978S11	DIAPH1	rs891061	S7	POP4	6.59E-07	1	4.20E-04	1.12E-05	1	8.91E-03
phe.Fasting_rs144081334S11	DIAPH1	rs111576333	S5	TMEM64	5.56E-07	1.00E+00	3.61E-04	8.30E-15	3.38E-07	7.30E-11
phe.Fasting_rs144081334S11	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	2.00E-10	0.0081353	5.68E-07
phe.Fasting_rs144081334S11	DIAPH1	rs112091318	S5	TMEM64	1.64E-07	1	1.18E-04	9.23E-09	0.375672	1.74E-05
phe.Fasting_rs144081334S11	DIAPH1	rs114334325	S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs144081334S11	DIAPH1	rs114394395	S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs144081334S11	DIAPH1	rs114565620	S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.22E-09	0.334664	1.57E-05
phe.Fasting_rs144081334S11	DIAPH1	rs115083290	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.95E-09	0.120139	6.26E-06
phe.Fasting_rs144081334S11	DIAPH1	rs115752779	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.95E-09	0.120139	6.26E-06
phe.Fasting_rs144081334S11	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs144081334S11	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.39E-15	1.79E-07	4.08E-11
phe.Fasting_rs144081334S11	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs144081334S11	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs144081334S11	DIAPH1	rs116120727	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs144081334S11	DIAPH1	rs116406581	S2	NA	5.24E-15	2.14E-07	1.36E-11	5.55E-08	1	8.42E-05
phe.Fasting_rs144081334S11	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.84E-12	7.48E-05	8.04E-09
phe.Fasting_rs144081334S11	DIAPH1	rs116696844	S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs144081334S11	DIAPH1	rs11989304	S4	TMEM64	5.56E-07	1	3.61E-04	1.15E-11	0.000469077	4.23E-08
phe.Fasting_rs144081334S11	DIAPH1	rs140524622	S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.85E-06	1	2.80E-03
phe.Fasting_rs144081334S11	DIAPH1	rs146815317	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs144081334S11	DIAPH1	rs150117838	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs144081334S11	DIAPH1	rs150916187	S4	HIST1H2BK	4.14E-06	1.00E+00	2.11E-03	2.81E-15	1.14E-07	2.72E-11
phe.Fasting_rs144081334S11	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs144081334S11	DIAPH1	rs34801978	S3	HOXB2	2.19E-06	1	1.21E-03	2.24E-09	0.0911397	4.89E-06

phe.Fasting_rs144081334S11	DIAPH1	rs4732511	S13	POR	9.61E-15	3.93E-07	2.45E-11	2.90E-06	1	2.84E-03
phe.Fasting_rs144081334S11	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs144081334S11	DIAPH1	rs60011869	S16	NA	2.13E-06	1	1.18E-03	1.84E-07	1	2.46E-04
phe.Fasting_rs144081334S11	DIAPH1	rs6964407	S7	POR	3.32E-14	1.36E-06	8.04E-11	2.65E-06	1	2.63E-03
phe.Fasting_rs144081334S11	DIAPH1	rs7004597	S8	NA	1.25E-15	5.12E-08	3.65E-12	5.36E-08	1	8.16E-05
phe.Fasting_rs144081334S11	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	1.01E-12	4.13E-05	4.74E-09
phe.Fasting_rs144081334S11	DIAPH1	rs73283603	S7	ZWINT	4.49E-07	1	2.97E-04	4.87E-08	1	7.49E-05
phe.Fasting_rs144081334S11	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	1.10E-11	0.000446024	4.04E-08
phe.Fasting_rs144081334S11	DIAPH1	rs73619637	S8	NA	2.00E-16	8.15E-09	6.95E-13	6.56E-08	1	9.80E-05
phe.Fasting_rs144081334S11	DIAPH1	rs74627895	S8	TMEM64	1.64E-07	1	0.000118218	4.43E-09	0.180369	9.00E-06
phe.Fasting_rs144081334S11	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.71E-11	0.000696754	6.13E-08
phe.Fasting_rs144081334S11	DIAPH1	rs75350765	S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.22E-09	0.334664	1.57E-05
phe.Fasting_rs144081334S11	DIAPH1	rs75374128	S5	CNTLN	5.25E-06	1	0.00259743	1.90E-08	0.773981	3.28E-05
phe.Fasting_rs144081334S11	DIAPH1	rs75506779	S5	TMCO3	1.04E-07	1	7.88E-05	2.35E-09	0.0955642	5.10E-06
phe.Fasting_rs144081334S11	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.90E-11	0.00117848	9.92E-08
phe.Fasting_rs144081334S11	DIAPH1	rs75864203	S8	CNTLN	5.25E-06	1	0.00259743	1.90E-08	0.773981	3.28E-05
phe.Fasting_rs144081334S11	DIAPH1	rs75949566	S5	TMEM64	6.52E-07	1	0.000415514	1.56E-11	0.000636403	5.61E-08
phe.Fasting_rs144081334S11	DIAPH1	rs76844308	S8	CNTLN	2.67E-06	1	0.00143908	1.85E-08	0.754334	3.21E-05
phe.Fasting_rs144081334S11	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.67E-12	6.82E-05	7.43E-09
phe.Fasting_rs144081334S11	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs144081334S11	DIAPH1	rs77845645	S21	NA	3.35E-07	1.00E+00	2.29E-04	1.07E-11	0.000437137	3.97E-08
phe.Fasting_rs144081334S11	DIAPH1	rs78353402	S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs144081334S11	DIAPH1	rs78516788	S8	SLC38A1	1.24E-06	1	7.38E-04	2.73E-09	0.111147	5.83E-06
phe.Fasting_rs144081334S11	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.49E-10	0.00608249	4.45E-07
phe.Fasting_rs144081334S11	DIAPH1	rs78703708	S7	FAF2	7.40E-12	0.000302252	1.27E-08	7.23E-06	1	6.23E-03
phe.Fasting_rs144081334S11	DIAPH1	rs78722272	S5	CNTLN	5.25E-06	1	2.60E-03	1.95E-08	0.795481	3.36E-05
phe.Fasting_rs144081334S11	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs144081334S11	DIAPH1	rs78990344	S2	LOC10050631	5.56E-07	1	3.61E-04	1.15E-11	0.000469077	4.23E-08
phe.Fasting_rs144081334S11	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs144081334S11	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.95E-10	0.0364115	2.15E-06
phe.Fasting_rs144081334S11	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs144081334S11	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs144081334S11	DIAPH1	rs891061	S7	POP4	6.59E-07	1.00E+00	4.20E-04	1.12E-05	1	8.91E-03
phe.Fasting_rs144613910S8	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs144613910S8	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs144613910S8	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs144613910S8	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs144613910S8	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs144613910S8	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs144613910S8	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05

phe.Fasting_rs144613910S8	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs144613910S8	DIAPH1	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs144613910S8	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs144613910S8	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs144613910S8	DIAPH1	rs116011837S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs144613910S8	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs144613910S8	DIAPH1	rs116120727S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs144613910S8	DIAPH1	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs144613910S8	DIAPH1	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs144613910S8	DIAPH1	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs144613910S8	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs144613910S8	DIAPH1	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs144613910S8	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs144613910S8	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs144613910S8	DIAPH1	rs150916187S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs144613910S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs144613910S8	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs144613910S8	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs144613910S8	DIAPH1	rs2835656 S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs144613910S8	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs144613910S8	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs144613910S8	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_rs144613910S8	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs144613910S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs144613910S8	DIAPH1	rs58905476 S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs144613910S8	DIAPH1	rs60011869 S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs144613910S8	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs144613910S8	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs144613910S8	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs144613910S8	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs144613910S8	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs144613910S8	DIAPH1	rs734069 S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs144613910S8	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs144613910S8	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs144613910S8	DIAPH1	rs74914207 S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs144613910S8	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs144613910S8	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs144613910S8	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs144613910S8	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs144613910S8	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04

phe.Fasting_rs144613910S8	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs144613910S8	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs144613910S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs144613910S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs144613910S8	DIAPH1	rs77845645	S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs144613910S8	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs144613910S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs144613910S8	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs144613910S8	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs144613910S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs144613910S8	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs144613910S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs144613910S8	DIAPH1	rs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs144613910S8	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs144613910S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs144613910S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs145027704S11	DIAPH1	rs111576333	S5	TMEM64	5.56E-07	1.00E+00	3.61E-04	8.30E-15	3.38E-07	7.30E-11
phe.Fasting_rs145027704S11	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	2.00E-10	0.0081353	5.68E-07
phe.Fasting_rs145027704S11	DIAPH1	rs112091318	S5	TMEM64	1.64E-07	1.00E+00	1.18E-04	9.23E-09	0.375672	1.74E-05
phe.Fasting_rs145027704S11	DIAPH1	rs114334325	S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs145027704S11	DIAPH1	rs114394395	S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs145027704S11	DIAPH1	rs114565620	S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.22E-09	0.334664	1.57E-05
phe.Fasting_rs145027704S11	DIAPH1	rs115083290	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.95E-09	0.120139	6.26E-06
phe.Fasting_rs145027704S11	DIAPH1	rs115752779	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.95E-09	0.120139	6.26E-06
phe.Fasting_rs145027704S11	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs145027704S11	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.39E-15	1.79E-07	4.08E-11
phe.Fasting_rs145027704S11	DIAPH1	rs116011837	S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs145027704S11	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs145027704S11	DIAPH1	rs116120727	S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs145027704S11	DIAPH1	rs116406581	S2	NA	5.24E-15	2.14E-07	1.36E-11	5.55E-08	1	8.42E-05
phe.Fasting_rs145027704S11	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.84E-12	7.48E-05	8.04E-09
phe.Fasting_rs145027704S11	DIAPH1	rs116696844	S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs145027704S11	DIAPH1	rs11989304	S4	TMEM64	5.56E-07	1.00E+00	3.61E-04	1.15E-11	0.000469077	4.23E-08
phe.Fasting_rs145027704S11	DIAPH1	rs140524622	S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.85E-06	1	2.80E-03
phe.Fasting_rs145027704S11	DIAPH1	rs146815317	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs145027704S11	DIAPH1	rs150117838	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs145027704S11	DIAPH1	rs150916187	S4	HIST1H2BK	4.14E-06	1.00E+00	2.11E-03	2.81E-15	1.14E-07	2.72E-11
phe.Fasting_rs145027704S11	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	1.52E-04	6.73E-09	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs145027704S11	DIAPH1	rs34801978	S3	HOXB2	2.19E-06	1.00E+00	1.21E-03	2.24E-09	0.0911397	4.89E-06
phe.Fasting_rs145027704S11	DIAPH1	rs4732511	S13	POR	9.61E-15	3.93E-07	2.45E-11	2.90E-06	1	2.84E-03

phe.Fasting_rs145027704S11	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs145027704S11	DIAPH1	rs60011869	S16	NA	2.13E-06	1.00E+00	1.18E-03	1.84E-07	1	2.46E-04
phe.Fasting_rs145027704S11	DIAPH1	rs6964407	S7	POR	3.32E-14	1.36E-06	8.04E-11	2.65E-06	1	2.63E-03
phe.Fasting_rs145027704S11	DIAPH1	rs7004597	S8	NA	1.25E-15	5.12E-08	3.65E-12	5.36E-08	1	8.16E-05
phe.Fasting_rs145027704S11	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	1.01E-12	4.13E-05	4.74E-09
phe.Fasting_rs145027704S11	DIAPH1	rs73283603	S7	ZWINT	4.49E-07	1.00E+00	2.97E-04	4.87E-08	1	7.49E-05
phe.Fasting_rs145027704S11	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	1.87E-03	6.24E-08	1.10E-11	0.000446024	4.04E-08
phe.Fasting_rs145027704S11	DIAPH1	rs73619637	S8	NA	2.00E-16	8.15E-09	6.95E-13	6.56E-08	1	9.80E-05
phe.Fasting_rs145027704S11	DIAPH1	rs74627895	S8	TMEM64	1.64E-07	1.00E+00	1.18E-04	4.43E-09	0.180369	9.00E-06
phe.Fasting_rs145027704S11	DIAPH1	rs74914207	S24	NA	2.89E-11	1.18E-03	4.13E-08	1.71E-11	0.000696754	6.13E-08
phe.Fasting_rs145027704S11	DIAPH1	rs75350765	S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.22E-09	0.334664	1.57E-05
phe.Fasting_rs145027704S11	DIAPH1	rs75374128	S5	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.90E-08	0.773981	3.28E-05
phe.Fasting_rs145027704S11	DIAPH1	rs75506779	S5	TMCO3	1.04E-07	1.00E+00	7.88E-05	2.35E-09	0.0955642	5.10E-06
phe.Fasting_rs145027704S11	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.90E-11	0.00117848	9.92E-08
phe.Fasting_rs145027704S11	DIAPH1	rs75864203	S8	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.90E-08	0.773981	3.28E-05
phe.Fasting_rs145027704S11	DIAPH1	rs75949566	S5	TMEM64	6.52E-07	1.00E+00	4.16E-04	1.56E-11	0.000636403	5.61E-08
phe.Fasting_rs145027704S11	DIAPH1	rs76844308	S8	CNTLN	2.67E-06	1.00E+00	1.44E-03	1.85E-08	0.754334	3.21E-05
phe.Fasting_rs145027704S11	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.67E-12	6.82E-05	7.43E-09
phe.Fasting_rs145027704S11	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs145027704S11	DIAPH1	rs77845645	S21	NA	3.35E-07	1.00E+00	2.29E-04	1.07E-11	0.000437137	3.97E-08
phe.Fasting_rs145027704S11	DIAPH1	rs78353402	S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs145027704S11	DIAPH1	rs78516788	S8	SLC38A1	1.24E-06	1	0.000737575	2.73E-09	0.111147	5.83E-06
phe.Fasting_rs145027704S11	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.49E-10	0.00608249	4.45E-07
phe.Fasting_rs145027704S11	DIAPH1	rs78703708	S7	FAF2	7.40E-12	0.000302252	1.27E-08	7.23E-06	1	6.23E-03
phe.Fasting_rs145027704S11	DIAPH1	rs78722272	S5	CNTLN	5.25E-06	1	0.00259743	1.95E-08	0.795481	3.36E-05
phe.Fasting_rs145027704S11	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs145027704S11	DIAPH1	rs78990344	S2	LOC1005063	5.56E-07	1.00E+00	3.61E-04	1.15E-11	0.000469077	4.23E-08
phe.Fasting_rs145027704S11	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs145027704S11	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.95E-10	0.0364115	2.15E-06
phe.Fasting_rs145027704S11	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs145027704S11	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs145027704S11	DIAPH1	rs891061	S7	POP4	6.59E-07	1	0.000419527	1.12E-05	1	8.91E-03
phe.Fasting_rs145412529S8	"RBL1,RPS3A	rs2285645	S7	MTMR3	3.16E-09	0.129174	3.21E-06	4.50E-07	1	5.42E-04
phe.Fasting_rs145412529S8	"RBL1,RPS3A	rs9620939	S7	MTMR3	3.36E-09	0.13715	3.40E-06	4.32E-08	1	6.72E-05
phe.Fasting_rs145412529S8	"RBL1,RPS3A	rs9625903	S7	MTMR3	3.96E-09	0.161621	3.94E-06	2.02E-08	0.821577	3.46E-05
phe.Fasting_rs146220673S7	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs146220673S7	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs146220673S7	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1	6.13E-05
phe.Fasting_rs146220673S7	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs146220673S7	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04



phe.Fasting_rs146220673 S7	DIAPH1	rs114565620 S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs146220673 S7	DIAPH1	rs115083290 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs146220673 S7	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1	0.000486356	7.89E-06	1	6.69E-03
phe.Fasting_rs146220673 S7	DIAPH1	rs115752779 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs146220673 S7	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs116406581 S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs146220673 S7	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs146220673 S7	DIAPH1	rs116696844 S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs146220673 S7	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs146220673 S7	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs150916187 S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs146220673 S7	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs146220673 S7	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs146220673 S7	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs146220673 S7	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs146220673 S7	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs146220673 S7	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs146220673 S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs146220673 S7	DIAPH1	rs60011869 S16	NA	1.04E-05	1	0.00472365	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs146220673 S7	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs146220673 S7	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs146220673 S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs146220673 S7	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs146220673 S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs734069 S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs146220673 S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs146220673 S7	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs146220673 S7	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs146220673 S7	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	0.449707	2.03E-05

phe.Fasting_rs146220673 S7	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs146220673 S7	DIAPH1	rs75949566 S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs76844308 S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs146220673 S7	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs146220673 S7	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs77845645 S21	NA	1.53E-06	1	0.000888475	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs78353402 S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs146220673 S7	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs78697063 S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs146220673 S7	DIAPH1	rs78722272 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs146220673 S7	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs78990344 S2	LOC1005063	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs146220673 S7	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs79886603 S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs146220673 S7	DIAPH1	rs80200953 S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs146220673 S7	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs146220673 S7	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs111576333 S5	TMEM64	5.56E-07	1	0.000361481	8.30E-15	3.38E-07	7.30E-11
phe.Fasting_rs146622060 S13	DIAPH1	rs112089881 S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	2.00E-10	0.0081353	5.68E-07
phe.Fasting_rs146622060 S13	DIAPH1	rs112091318 S5	TMEM64	1.64E-07	1	0.000118218	9.23E-09	0.375672	1.74E-05
phe.Fasting_rs146622060 S13	DIAPH1	rs114334325 S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs146622060 S13	DIAPH1	rs114394395 S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs146622060 S13	DIAPH1	rs114565620 S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.22E-09	0.334664	1.57E-05
phe.Fasting_rs146622060 S13	DIAPH1	rs115083290 S19	NA	8.17E-17	3.34E-09	3.58E-13	2.95E-09	0.120139	6.26E-06
phe.Fasting_rs146622060 S13	DIAPH1	rs115752779 S19	NA	8.17E-17	3.34E-09	3.58E-13	2.95E-09	0.120139	6.26E-06
phe.Fasting_rs146622060 S13	DIAPH1	rs115787552 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs115888477 S8	NA	3.68E-15	1.50E-07	9.90E-12	4.39E-15	1.79E-07	4.08E-11
phe.Fasting_rs146622060 S13	DIAPH1	rs116011837 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs146622060 S13	DIAPH1	rs116079984 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs116120727 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs146622060 S13	DIAPH1	rs116406581 S2	NA	5.24E-15	2.14E-07	1.36E-11	5.55E-08	1	8.42E-05
phe.Fasting_rs146622060 S13	DIAPH1	rs116548615 S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.84E-12	7.48E-05	8.04E-09
phe.Fasting_rs146622060 S13	DIAPH1	rs116696844 S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs146622060 S13	DIAPH1	rs11989304 S4	TMEM64	5.56E-07	1	3.61E-04	1.15E-11	0.000469077	4.23E-08
phe.Fasting_rs146622060 S13	DIAPH1	rs140524622 S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.85E-06	1	2.80E-03
phe.Fasting_rs146622060 S13	DIAPH1	rs146815317 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs150117838 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs146622060 S13	DIAPH1	rs150916187 S4	HIST1H2BK	4.14E-06	1	0.00210616	2.81E-15	1.14E-07	2.72E-11
phe.Fasting_rs146622060 S13	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	7.18E-15	2.92E-07	6.39E-11

phe.Fasting_	rs146622060S13	DIAPH1	rs34801978	S3	HOXB2	2.19E-06	1	0.00120758	2.24E-09	0.0911397	4.89E-06
phe.Fasting_	rs146622060S13	DIAPH1	rs4732511	S13	POR	9.61E-15	3.93E-07	2.45E-11	2.90E-06	1	2.84E-03
phe.Fasting_	rs146622060S13	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_	rs146622060S13	DIAPH1	rs60011869	S16	NA	2.13E-06	1	0.00118391	1.84E-07	1	2.46E-04
phe.Fasting_	rs146622060S13	DIAPH1	rs6964407	S7	POR	3.32E-14	1.36E-06	8.04E-11	2.65E-06	1	2.63E-03
phe.Fasting_	rs146622060S13	DIAPH1	rs7004597	S8	NA	1.25E-15	5.12E-08	3.65E-12	5.36E-08	1	8.16E-05
phe.Fasting_	rs146622060S13	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	1.01E-12	4.13E-05	4.74E-09
phe.Fasting_	rs146622060S13	DIAPH1	rs73283603	S7	ZWINT	4.49E-07	1	0.000297012	4.87E-08	1	7.49E-05
phe.Fasting_	rs146622060S13	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	1.10E-11	0.000446024	4.04E-08
phe.Fasting_	rs146622060S13	DIAPH1	rs73619637	S8	NA	2.00E-16	8.15E-09	6.95E-13	6.56E-08	1	9.80E-05
phe.Fasting_	rs146622060S13	DIAPH1	rs74627895	S8	TMEM64	1.64E-07	1	0.000118218	4.43E-09	0.180369	9.00E-06
phe.Fasting_	rs146622060S13	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.71E-11	0.000696754	6.13E-08
phe.Fasting_	rs146622060S13	DIAPH1	rs75350765	S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.22E-09	0.334664	1.57E-05
phe.Fasting_	rs146622060S13	DIAPH1	rs75374128	S5	CNTLN	5.25E-06	1	0.00259743	1.90E-08	0.773981	3.28E-05
phe.Fasting_	rs146622060S13	DIAPH1	rs75506779	S5	TMCO3	1.04E-07	1	7.88E-05	2.35E-09	0.0955642	5.10E-06
phe.Fasting_	rs146622060S13	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.90E-11	0.00117848	9.92E-08
phe.Fasting_	rs146622060S13	DIAPH1	rs75864203	S8	CNTLN	5.25E-06	1	0.00259743	1.90E-08	0.773981	3.28E-05
phe.Fasting_	rs146622060S13	DIAPH1	rs75949566	S5	TMEM64	6.52E-07	1	0.000415514	1.56E-11	0.000636403	5.61E-08
phe.Fasting_	rs146622060S13	DIAPH1	rs76844308	S8	CNTLN	2.67E-06	1	0.00143908	1.85E-08	0.754334	3.21E-05
phe.Fasting_	rs146622060S13	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.67E-12	6.82E-05	7.43E-09
phe.Fasting_	rs146622060S13	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_	rs146622060S13	DIAPH1	rs77845645	S21	NA	3.35E-07	1	0.000229183	1.07E-11	0.000437137	3.97E-08
phe.Fasting_	rs146622060S13	DIAPH1	rs78353402	S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	9.18E-08	1	1.31E-04
phe.Fasting_	rs146622060S13	DIAPH1	rs78516788	S8	SLC38A1	1.24E-06	1	0.000737575	2.73E-09	0.111147	5.83E-06
phe.Fasting_	rs146622060S13	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.49E-10	0.00608249	4.45E-07
phe.Fasting_	rs146622060S13	DIAPH1	rs78703708	S7	FAF2	7.40E-12	0.000302252	1.27E-08	7.23E-06	1	6.23E-03
phe.Fasting_	rs146622060S13	DIAPH1	rs78722272	S5	CNTLN	5.25E-06	1	0.00259743	1.95E-08	0.795481	3.36E-05
phe.Fasting_	rs146622060S13	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_	rs146622060S13	DIAPH1	rs78990344	S2	LOC10050631	5.56E-07	1	0.000361481	1.15E-11	0.000469077	4.23E-08
phe.Fasting_	rs146622060S13	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_	rs146622060S13	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.95E-10	0.0364115	2.15E-06
phe.Fasting_	rs146622060S13	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_	rs146622060S13	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_	rs146622060S13	DIAPH1	rs891061	S7	POP4	6.59E-07	1.00E+00	4.20E-04	1.12E-05	1	8.91E-03
phe.Fasting_	rs146815317S5	KPNA3	rs140524622S7		MRPL10	3.78E-08	1	3.18E-05	1.56E-16	6.34E-09	6.88E-12
phe.Fasting_	rs146815317S5	KPNA3	rs57503635	S3	NA	1.29E-15	5.25E-08	3.74E-12	4.33E-15	1.76E-07	4.03E-11
phe.Fasting_	rs146815317S5	KPNA3	rs7256517	S7	CYTH2	1.78E-05	1.00E+00	7.54E-03	1.17E-06	1	1.30E-03
phe.Fasting_	rs146815317S5	KPNA3	rs75506779	S5	TMCO3	2.52E-06	1.00E+00	1.37E-03	2.54E-15	1.03E-07	2.48E-11
phe.Fasting_	rs146878162S7	DIAPH1	rs111576333S5		TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_	rs146878162S7	DIAPH1	rs112089881S8		ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06

phe.Fasting_rs146878162S7	DIAPH1	rs112091318S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1	6.13E-05
phe.Fasting_rs146878162S7	DIAPH1	rs114334325S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs146878162S7	DIAPH1	rs114394395S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs146878162S7	DIAPH1	rs114565620S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs146878162S7	DIAPH1	rs115083290S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs146878162S7	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs146878162S7	DIAPH1	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs146878162S7	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs146878162S7	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs146878162S7	DIAPH1	rs116011837S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs146878162S7	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs146878162S7	DIAPH1	rs116120727S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs146878162S7	DIAPH1	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs146878162S7	DIAPH1	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs146878162S7	DIAPH1	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs146878162S7	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs146878162S7	DIAPH1	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs146878162S7	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs146878162S7	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs146878162S7	DIAPH1	rs150916187S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs146878162S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs146878162S7	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs146878162S7	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs146878162S7	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs146878162S7	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs146878162S7	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs146878162S7	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs146878162S7	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs146878162S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs146878162S7	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs146878162S7	DIAPH1	rs60011869 S16	NA	1.04E-05	1	0.00472365	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs146878162S7	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs146878162S7	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs146878162S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs146878162S7	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1	0.0010688	2.03E-07	1	2.68E-04
phe.Fasting_rs146878162S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs146878162S7	DIAPH1	rs734069 S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs146878162S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs146878162S7	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs146878162S7	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07

phe.Fasting_rs146878162S7	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05	
phe.Fasting_rs146878162S7	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04	
phe.Fasting_rs146878162S7	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	0.449707	2.03E-05	
phe.Fasting_rs146878162S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07	
phe.Fasting_rs146878162S7	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04	
phe.Fasting_rs146878162S7	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	0.00345267	2.62E-07	
phe.Fasting_rs146878162S7	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04	
phe.Fasting_rs146878162S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08	
phe.Fasting_rs146878162S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_rs146878162S7	DIAPH1	rs77845645	S21	NA	1.53E-06	1	0.000888475	4.20E-11	0.00170882	1.38E-07	
phe.Fasting_rs146878162S7	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04	
phe.Fasting_rs146878162S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07	
phe.Fasting_rs146878162S7	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06	
phe.Fasting_rs146878162S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04	
phe.Fasting_rs146878162S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_rs146878162S7	DIAPH1	rs78990344	S2	LOC1005063	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07	
phe.Fasting_rs146878162S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_rs146878162S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04	
phe.Fasting_rs146878162S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06	
phe.Fasting_rs146878162S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_rs146878162S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_rs1470889	S5	ZC3H3	rs114565620	S8	RCL1	2.92E-07	1.00E+00	2.02E-04	7.02E-12	0.00028576	2.70E-08
phe.Fasting_rs1470889	S5	ZC3H3	rs139070959	S8	RPN2	1.38E-18	5.64E-11	3.38E-14	5.20E-15	2.12E-07	4.77E-11
phe.Fasting_rs1470889	S5	ZC3H3	rs145412529	S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	6.02E-15	2.45E-07	5.46E-11
phe.Fasting_rs1470889	S5	ZC3H3	rs75350765	S5	RCL1	2.92E-07	1	2.02E-04	7.02E-12	0.00028576	2.70E-08
phe.Fasting_rs1470889	S5	ZC3H3	rs75374128	S5	CNTLN	3.57E-11	0.00145818	4.97E-08	1.16E-05	1	9.15E-03
phe.Fasting_rs1470889	S5	ZC3H3	rs75864203	S8	CNTLN	3.57E-11	0.00145818	4.97E-08	1.16E-05	1	9.15E-03
phe.Fasting_rs1470889	S5	ZC3H3	rs76844308	S8	CNTLN	4.44E-13	1.81E-05	9.40E-10	6.92E-06	1	6.01E-03
phe.Fasting_rs1470889	S5	ZC3H3	rs78516788	S8	SLC38A1	1.03E-07	1	7.84E-05	2.03E-07	1	2.69E-04
phe.Fasting_rs1470889	S5	ZC3H3	rs78722272	S5	CNTLN	3.57E-11	0.00145818	4.97E-08	1.23E-05	1	9.59E-03
phe.Fasting_rs1470889	S5	ZC3H3	rs79886603	S15	NA	2.40E-06	1	0.00130558	5.07E-07	1	6.05E-04
phe.Fasting_rs1470890	S5	ZC3H3	rs114565620	S8	RCL1	2.92E-07	1	0.000201845	7.02E-12	0.00028576	2.70E-08
phe.Fasting_rs1470890	S5	ZC3H3	rs139070959	S8	RPN2	1.38E-18	5.64E-11	3.38E-14	5.20E-15	2.12E-07	4.77E-11
phe.Fasting_rs1470890	S5	ZC3H3	rs145412529	S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	6.02E-15	2.45E-07	5.46E-11
phe.Fasting_rs1470890	S5	ZC3H3	rs75350765	S5	RCL1	2.92E-07	1	0.000201845	7.02E-12	0.00028576	2.70E-08
phe.Fasting_rs1470890	S5	ZC3H3	rs75374128	S5	CNTLN	3.57E-11	0.00145818	4.97E-08	1.16E-05	1	9.15E-03
phe.Fasting_rs1470890	S5	ZC3H3	rs75864203	S8	CNTLN	3.57E-11	0.00145818	4.97E-08	1.16E-05	1	9.15E-03
phe.Fasting_rs1470890	S5	ZC3H3	rs76844308	S8	CNTLN	4.44E-13	1.81E-05	9.40E-10	6.92E-06	1	6.01E-03
phe.Fasting_rs1470890	S5	ZC3H3	rs78516788	S8	SLC38A1	1.03E-07	1	7.84E-05	2.03E-07	1	2.69E-04
phe.Fasting_rs1470890	S5	ZC3H3	rs78722272	S5	CNTLN	3.57E-11	0.00145818	4.97E-08	1.23E-05	1	9.59E-03

phe.Fasting_rs1470890	S5	ZC3H3	rs79886603	S15	NA	2.40E-06	1	0.00130558	5.07E-07	1	6.05E-04
phe.Fasting_rs147314451	S8	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs147314451	S8	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs147314451	S8	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1	6.13E-05
phe.Fasting_rs147314451	S8	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs147314451	S8	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs147314451	S8	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs147314451	S8	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs147314451	S8	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1	0.000486356	7.89E-06	1	6.69E-03
phe.Fasting_rs147314451	S8	DIAPH1	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs147314451	S8	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs147314451	S8	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs147314451	S8	DIAPH1	rs116011837	S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs147314451	S8	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs147314451	S8	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs147314451	S8	DIAPH1	rs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs147314451	S8	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs147314451	S8	DIAPH1	rs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs147314451	S8	DIAPH1	rs11989304	S4	TMEM64	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs147314451	S8	DIAPH1	rs140524622	S7	MRPL13	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs147314451	S8	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs147314451	S8	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs147314451	S8	DIAPH1	rs150916187	S4	HIST1H2BK	1.38E-05	1	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs147314451	S8	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs147314451	S8	DIAPH1	rs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs147314451	S8	DIAPH1	rs2153597	S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs147314451	S8	DIAPH1	rs2835656	S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs147314451	S8	DIAPH1	rs34801978	S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs147314451	S8	DIAPH1	rs352346	S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs147314451	S8	DIAPH1	rs3750898	S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs147314451	S8	DIAPH1	rs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs147314451	S8	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs147314451	S8	DIAPH1	rs58905476	S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs147314451	S8	DIAPH1	rs60011869	S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs147314451	S8	DIAPH1	rs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs147314451	S8	DIAPH1	rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs147314451	S8	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs147314451	S8	DIAPH1	rs73283603	S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs147314451	S8	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs147314451	S8	DIAPH1	rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06

phe.Fasting_rs147314451S8	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs147314451S8	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs147314451S8	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs147314451S8	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs147314451S8	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs147314451S8	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs147314451S8	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs147314451S8	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs147314451S8	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs147314451S8	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs147314451S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs147314451S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs147314451S8	DIAPH1	rs77845645	S21	NA	1.53E-06	1	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs147314451S8	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs147314451S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs147314451S8	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs147314451S8	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs147314451S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs147314451S8	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs147314451S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs147314451S8	DIAPH1	rs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs147314451S8	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs147314451S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs147314451S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs147417996S7	DIAPH1	rs111576333	S5	TMEM64	5.56E-07	1	0.000361481	8.30E-15	3.38E-07	7.30E-11
phe.Fasting_rs147417996S7	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	2.00E-10	0.0081353	5.68E-07
phe.Fasting_rs147417996S7	DIAPH1	rs112091318	S5	TMEM64	1.64E-07	1	1.18E-04	9.23E-09	0.375672	1.74E-05
phe.Fasting_rs147417996S7	DIAPH1	rs114334325	S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs147417996S7	DIAPH1	rs114394395	S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs147417996S7	DIAPH1	rs114565620	S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.22E-09	0.334664	1.57E-05
phe.Fasting_rs147417996S7	DIAPH1	rs115083290	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.95E-09	0.120139	6.26E-06
phe.Fasting_rs147417996S7	DIAPH1	rs115752779	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.95E-09	0.120139	6.26E-06
phe.Fasting_rs147417996S7	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs147417996S7	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.39E-15	1.79E-07	4.08E-11
phe.Fasting_rs147417996S7	DIAPH1	rs116011837	S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs147417996S7	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs147417996S7	DIAPH1	rs116120727	S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs147417996S7	DIAPH1	rs116406581	S2	NA	5.24E-15	2.14E-07	1.36E-11	5.55E-08	1	8.42E-05
phe.Fasting_rs147417996S7	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.84E-12	7.48E-05	8.04E-09
phe.Fasting_rs147417996S7	DIAPH1	rs116696844	S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	9.18E-08	1	1.31E-04

phe.Fasting_rs147417996S7	DIAPH1	rs11989304	S4	TMEM64	5.56E-07	1.00E+00	3.61E-04	1.15E-11	0.000469077	4.23E-08
phe.Fasting_rs147417996S7	DIAPH1	rs140524622S7		MRPL10	1.81E-17	7.37E-10	1.32E-13	2.85E-06	1	2.80E-03
phe.Fasting_rs147417996S7	DIAPH1	rs146815317S5		KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs147417996S7	DIAPH1	rs150117838S8		KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs147417996S7	DIAPH1	rs150916187S4		HIST1H2BK	4.14E-06	1.00E+00	2.11E-03	2.81E-15	1.14E-07	2.72E-11
phe.Fasting_rs147417996S7	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	1.52E-04	6.73E-09	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs147417996S7	DIAPH1	rs34801978	S3	HOXB2	2.19E-06	1.00E+00	1.21E-03	2.24E-09	0.0911397	4.89E-06
phe.Fasting_rs147417996S7	DIAPH1	rs4732511	S13	POR	9.61E-15	3.93E-07	2.45E-11	2.90E-06	1	2.84E-03
phe.Fasting_rs147417996S7	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs147417996S7	DIAPH1	rs60011869	S16	NA	2.13E-06	1.00E+00	1.18E-03	1.84E-07	1	2.46E-04
phe.Fasting_rs147417996S7	DIAPH1	rs6964407	S7	POR	3.32E-14	1.36E-06	8.04E-11	2.65E-06	1	2.63E-03
phe.Fasting_rs147417996S7	DIAPH1	rs7004597	S8	NA	1.25E-15	5.12E-08	3.65E-12	5.36E-08	1	8.16E-05
phe.Fasting_rs147417996S7	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	1.01E-12	4.13E-05	4.74E-09
phe.Fasting_rs147417996S7	DIAPH1	rs73283603	S7	ZWINT	4.49E-07	1.00E+00	2.97E-04	4.87E-08	1	7.49E-05
phe.Fasting_rs147417996S7	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	1.87E-03	6.24E-08	1.10E-11	0.000446024	4.04E-08
phe.Fasting_rs147417996S7	DIAPH1	rs73619637	S8	NA	2.00E-16	8.15E-09	6.95E-13	6.56E-08	1	9.80E-05
phe.Fasting_rs147417996S7	DIAPH1	rs74627895	S8	TMEM64	1.64E-07	1.00E+00	1.18E-04	4.43E-09	0.180369	9.00E-06
phe.Fasting_rs147417996S7	DIAPH1	rs74914207	S24	NA	2.89E-11	1.18E-03	4.13E-08	1.71E-11	0.000696754	6.13E-08
phe.Fasting_rs147417996S7	DIAPH1	rs75350765	S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.22E-09	0.334664	1.57E-05
phe.Fasting_rs147417996S7	DIAPH1	rs75374128	S5	CNTLN	5.25E-06	1	0.00259743	1.90E-08	0.773981	3.28E-05
phe.Fasting_rs147417996S7	DIAPH1	rs75506779	S5	TMCO3	1.04E-07	1	7.88E-05	2.35E-09	0.0955642	5.10E-06
phe.Fasting_rs147417996S7	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.90E-11	0.00117848	9.92E-08
phe.Fasting_rs147417996S7	DIAPH1	rs75864203	S8	CNTLN	5.25E-06	1	0.00259743	1.90E-08	0.773981	3.28E-05
phe.Fasting_rs147417996S7	DIAPH1	rs75949566	S5	TMEM64	6.52E-07	1	0.000415514	1.56E-11	0.000636403	5.61E-08
phe.Fasting_rs147417996S7	DIAPH1	rs76844308	S8	CNTLN	2.67E-06	1	0.00143908	1.85E-08	0.754334	3.21E-05
phe.Fasting_rs147417996S7	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.67E-12	6.82E-05	7.43E-09
phe.Fasting_rs147417996S7	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs147417996S7	DIAPH1	rs77845645	S21	NA	3.35E-07	1	0.000229183	1.07E-11	0.000437137	3.97E-08
phe.Fasting_rs147417996S7	DIAPH1	rs78353402	S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs147417996S7	DIAPH1	rs78516788	S8	SLC38A1	1.24E-06	1	0.000737575	2.73E-09	0.111147	5.83E-06
phe.Fasting_rs147417996S7	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.49E-10	0.00608249	4.45E-07
phe.Fasting_rs147417996S7	DIAPH1	rs78703708	S7	FAF2	7.40E-12	0.000302252	1.27E-08	7.23E-06	1	6.23E-03
phe.Fasting_rs147417996S7	DIAPH1	rs78722272	S5	CNTLN	5.25E-06	1	0.00259743	1.95E-08	0.795481	3.36E-05
phe.Fasting_rs147417996S7	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs147417996S7	DIAPH1	rs78990344	S2	LOC1005063	5.56E-07	1	0.000361481	1.15E-11	0.000469077	4.23E-08
phe.Fasting_rs147417996S7	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs147417996S7	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.95E-10	0.0364115	2.15E-06
phe.Fasting_rs147417996S7	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs147417996S7	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10
phe.Fasting_rs147417996S7	DIAPH1	rs891061	S7	POP4	6.59E-07	1	0.000419527	1.12E-05	1	8.91E-03



phe.Fasting_rs147506725 S21	"PCDHGA1,Prs112089881 S8	ZFAND4	1.96E-18	7.99E-11	4.03E-14	3.02E-10	0.0122912	8.15E-07
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs112091318 S5	TMEM64	1.52E-05	1	0.0065785	2.56E-07	1	3.30E-04
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs114334325 S7	AP3M2	8.70E-16	3.55E-08	2.60E-12	5.52E-06	1	4.97E-03
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs114394395 S7	AP3M2	9.30E-16	3.80E-08	2.77E-12	5.52E-06	1	4.97E-03
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs114565620 S8	RCL1	1.29E-17	5.26E-10	1.08E-13	1.39E-08	0.566303	2.49E-05
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs115305957 S23	NA	1.81E-05	1	0.0076596	1.43E-12	5.82E-05	6.44E-09
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs115787552 S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs115888477 S8	NA	2.72E-15	1.11E-07	7.62E-12	7.36E-15	3.00E-07	6.53E-11
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs116011837 S9	BRD2	1.05E-06	1	0.00063174	6.95E-14	2.83E-06	4.69E-10
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs116079984 S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.48E-14	1.82E-06	3.11E-10
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs116120727 S9	BRD2	1.05E-06	1	0.00063174	6.95E-14	2.83E-06	4.69E-10
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs116406581 S2	NA	3.68E-15	1.50E-07	9.90E-12	3.30E-06	1	3.18E-03
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs116548615 S8	TMEM45B	2.04E-17	8.34E-10	1.43E-13	7.86E-12	0.000320069	2.98E-08
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs116696844 S3	AP3M2	1.40E-15	5.70E-08	4.02E-12	5.52E-06	1	4.97E-03
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs146815317 S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs150117838 S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs16894241 S4	HIST1H2BK	1.90E-07	1	0.000135936	1.18E-14	4.80E-07	1.01E-10
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs2153597 S8	ZNF438	5.42E-12	0.000221525	9.59E-09	5.42E-06	1	4.90E-03
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs352346 S3	GRPEL2	2.27E-07	1	0.000160179	1.07E-05	1	8.65E-03
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs57503635 S3	NA	7.95E-08	1	6.20E-05	1.16E-14	4.73E-07	1.00E-10
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs60011869 S16	NA	1.45E-06	1.00E+00	8.45E-04	3.19E-10	0.0129858	8.56E-07
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs7004597 S8	NA	8.70E-16	3.55E-08	2.60E-12	3.26E-06	1	3.15E-03
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs7256517 S7	CYTH2	1.38E-16	5.63E-09	5.47E-13	2.91E-10	0.0118364	7.91E-07
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs73392640 S8	POLR3B	3.00E-11	1.22E-03	4.24E-08	4.09E-10	0.0166326	1.07E-06
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs74627895 S8	TMEM64	1.52E-05	1.00E+00	6.58E-03	1.28E-07	1	1.77E-04
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs74701059 S24	C17orf102	1.84E-05	1.00E+00	7.76E-03	2.11E-12	8.58E-05	9.15E-09
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs74914207 S24	NA	1.23E-11	5.03E-04	1.92E-08	1.49E-07	1	2.03E-04
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs75350765 S5	RCL1	1.29E-17	5.26E-10	1.08E-13	1.39E-08	0.566303	2.49E-05
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs75374128 S5	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.01E-06	1	2.08E-03
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs75758702 S24	NA	7.70E-18	3.14E-10	8.50E-14	6.42E-10	0.0261274	1.61E-06
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs75864203 S8	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.01E-06	1	2.08E-03
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs76844308 S8	CNTLN	7.07E-18	2.89E-10	8.18E-14	1.78E-06	1	1.87E-03
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs7763107 S8	FARS2	2.63E-08	1	2.28E-05	3.07E-10	0.012484	8.27E-07
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs77798597 S7	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs77845645 S21	NA	2.15E-07	1	0.000152266	2.70E-11	0.00109923	9.29E-08
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs78353402 S8	AP3M2	8.70E-16	3.55E-08	2.60E-12	5.52E-06	1	4.97E-03
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs78516788 S8	SLC38A1	3.43E-12	1.40E-04	6.23E-09	7.67E-09	0.312323	1.47E-05
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs78697063 S5	MSI2	4.23E-20	1.73E-12	2.23E-14	2.49E-10	0.0101226	6.85E-07
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs78722272 S5	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.07E-06	1	2.14E-03
phe.Fasting_rs147506725 S21	"PCDHGA1,Prs78736524 S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10

phe.Fasting_	rs147506725 S21	"PCDHGA1,Prs79703349 S24	C17orf102	1.84E-05	1.00E+00	7.76E-03	2.63E-12	0.000107117	1.13E-08
phe.Fasting_	rs147506725 S21	"PCDHGA1,Prs79781495 S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs147506725 S21	"PCDHGA1,Prs79886603 S15	NA	1.10E-08	4.48E-01	1.01E-05	9.00E-06	1	7.49E-03
phe.Fasting_	rs147506725 S21	"PCDHGA1,Prs80200953 S8	PPP2R5D	1.32E-08	5.39E-01	1.20E-05	3.10E-06	1	3.01E-03
phe.Fasting_	rs147506725 S21	"PCDHGA1,Prs80332465 S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs147506725 S21	"PCDHGA1,Prs80334773 S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs147646948 S7	"LOC100505(rs111576333) S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_	rs147646948 S7	"LOC100505(rs112089881) S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_	rs147646948 S7	"LOC100505(rs112091318) S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1	6.13E-05
phe.Fasting_	rs147646948 S7	"LOC100505(rs114334325) S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs147646948 S7	"LOC100505(rs114394395) S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs147646948 S7	"LOC100505(rs114565620) S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_	rs147646948 S7	"LOC100505(rs115083290) S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_	rs147646948 S7	"LOC100505(rs11524145) S5	CDK6	7.80E-07	1	0.000486356	7.89E-06	1	6.69E-03
phe.Fasting_	rs147646948 S7	"LOC100505(rs115752779) S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_	rs147646948 S7	"LOC100505(rs115787552) S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs147646948 S7	"LOC100505(rs115888477) S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs147646948 S7	"LOC100505(rs116011837) S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs147646948 S7	"LOC100505(rs116079984) S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs147646948 S7	"LOC100505(rs116120727) S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs147646948 S7	"LOC100505(rs116406581) S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_	rs147646948 S7	"LOC100505(rs116548615) S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs147646948 S7	"LOC100505(rs116696844) S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs147646948 S7	"LOC100505(rs11989304) S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_	rs147646948 S7	"LOC100505(rs140524622) S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_	rs147646948 S7	"LOC100505(rs146815317) S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs147646948 S7	"LOC100505(rs150117838) S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs147646948 S7	"LOC100505(rs150916187) S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_	rs147646948 S7	"LOC100505(rs16894241) S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs147646948 S7	"LOC100505(rs2032062) S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_	rs147646948 S7	"LOC100505(rs2153597) S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_	rs147646948 S7	"LOC100505(rs2835656) S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_	rs147646948 S7	"LOC100505(rs34801978) S3	HOXB2	1.23E-05	1	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_	rs147646948 S7	"LOC100505(rs352346) S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_	rs147646948 S7	"LOC100505(rs3750898) S8	DCLRE1A	2.29E-05	1	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_	rs147646948 S7	"LOC100505(rs4732511) S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_	rs147646948 S7	"LOC100505(rs57503635) S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs147646948 S7	"LOC100505(rs58905476) S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_	rs147646948 S7	"LOC100505(rs60011869) S16	NA	1.04E-05	1	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_	rs147646948 S7	"LOC100505(rs6964407) S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03

phe.Fasting_	rs147646948	S7	"LOC100505(rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04	
phe.Fasting_	rs147646948	S7	"LOC100505(rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08	
phe.Fasting_	rs147646948	S7	"LOC100505(rs73283603	S7	ZWINT	1.90E-06	1	1.07E-03	2.03E-07	1	2.68E-04	
phe.Fasting_	rs147646948	S7	"LOC100505(rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07	
phe.Fasting_	rs147646948	S7	"LOC100505(rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06	
phe.Fasting_	rs147646948	S7	"LOC100505(rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07	
phe.Fasting_	rs147646948	S7	"LOC100505(rs74627895	S8	TMEM64	7.32E-07	1	4.60E-04	2.03E-08	0.828094	3.48E-05	
phe.Fasting_	rs147646948	S7	"LOC100505(rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07	
phe.Fasting_	rs147646948	S7	"LOC100505(rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05	
phe.Fasting_	rs147646948	S7	"LOC100505(rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04	
phe.Fasting_	rs147646948	S7	"LOC100505(rs75506779	S5	TMCO3	5.55E-07	1	3.61E-04	1.10E-08	0.449707	2.03E-05	
phe.Fasting_	rs147646948	S7	"LOC100505(rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07	
phe.Fasting_	rs147646948	S7	"LOC100505(rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04	
phe.Fasting_	rs147646948	S7	"LOC100505(rs75949566	S5	TMEM64	2.76E-06	1	1.47E-03	8.48E-11	0.00345267	2.62E-07	
phe.Fasting_	rs147646948	S7	"LOC100505(rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04	
phe.Fasting_	rs147646948	S7	"LOC100505(rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08	
phe.Fasting_	rs147646948	S7	"LOC100505(rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs147646948	S7	"LOC100505(rs77845645	S21	NA	1.53E-06	1	8.88E-04	4.20E-11	0.00170882	1.38E-07	
phe.Fasting_	rs147646948	S7	"LOC100505(rs78353402	S8	ALP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04	
phe.Fasting_	rs147646948	S7	"LOC100505(rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07	
phe.Fasting_	rs147646948	S7	"LOC100505(rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06	
phe.Fasting_	rs147646948	S7	"LOC100505(rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04	
phe.Fasting_	rs147646948	S7	"LOC100505(rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs147646948	S7	"LOC100505(rs78990344	S2	LOC1005063	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07	
phe.Fasting_	rs147646948	S7	"LOC100505(rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs147646948	S7	"LOC100505(rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04	
phe.Fasting_	rs147646948	S7	"LOC100505(rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06	
phe.Fasting_	rs147646948	S7	"LOC100505(rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs147646948	S7	"LOC100505(rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs147677041	S8	DIAPH1	rs111576333	S5	TMEM64	5.56E-07	1	3.61E-04	7.80E-15	3.17E-07	6.90E-11
phe.Fasting_	rs147677041	S8	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_	rs147677041	S8	DIAPH1	rs112091318	S5	TMEM64	1.64E-07	1	1.18E-04	9.13E-09	0.371559	1.72E-05
phe.Fasting_	rs147677041	S8	DIAPH1	rs114334325	S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1	1.26E-04
phe.Fasting_	rs147677041	S8	DIAPH1	rs114394395	S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	8.81E-08	1	1.26E-04
phe.Fasting_	rs147677041	S8	DIAPH1	rs114565620	S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	0.335069	1.57E-05
phe.Fasting_	rs147677041	S8	DIAPH1	rs115083290	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	0.11274	5.90E-06
phe.Fasting_	rs147677041	S8	DIAPH1	rs115752779	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	0.11274	5.90E-06
phe.Fasting_	rs147677041	S8	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs147677041	S8	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_	rs147677041	S8	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11

phe.Fasting_rs147677041 S8	DIAPH1	rs116079984 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs147677041 S8	DIAPH1	rs116120727 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs147677041 S8	DIAPH1	rs116406581 S2	NA	5.24E-15	2.14E-07	1.36E-11	5.32E-08	1	8.11E-05
phe.Fasting_rs147677041 S8	DIAPH1	rs116548615 S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs147677041 S8	DIAPH1	rs116696844 S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs147677041 S8	DIAPH1	rs11989304 S4	TMEM64	5.56E-07	1.00E+00	3.61E-04	1.11E-11	0.000453381	4.10E-08
phe.Fasting_rs147677041 S8	DIAPH1	rs140524622 S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.83E-06	1	2.79E-03
phe.Fasting_rs147677041 S8	DIAPH1	rs146815317 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs147677041 S8	DIAPH1	rs150117838 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs147677041 S8	DIAPH1	rs150916187 S4	HIST1H2BK	4.14E-06	1.00E+00	2.11E-03	2.61E-15	1.06E-07	2.55E-11
phe.Fasting_rs147677041 S8	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs147677041 S8	DIAPH1	rs34801978 S3	HOXB2	2.19E-06	1	0.00120758	1.65E-09	0.0670533	3.72E-06
phe.Fasting_rs147677041 S8	DIAPH1	rs4732511 S13	POR	9.61E-15	3.93E-07	2.45E-11	2.36E-06	1	2.39E-03
phe.Fasting_rs147677041 S8	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs147677041 S8	DIAPH1	rs60011869 S16	NA	2.13E-06	1	0.00118391	1.78E-07	1	2.39E-04
phe.Fasting_rs147677041 S8	DIAPH1	rs6964407 S7	POR	3.32E-14	1.36E-06	8.04E-11	2.16E-06	1	2.22E-03
phe.Fasting_rs147677041 S8	DIAPH1	rs7004597 S8	NA	1.25E-15	5.12E-08	3.65E-12	5.12E-08	1	7.84E-05
phe.Fasting_rs147677041 S8	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs147677041 S8	DIAPH1	rs73283603 S7	ZWINT	4.49E-07	1	0.000297012	4.53E-08	1	7.02E-05
phe.Fasting_rs147677041 S8	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs147677041 S8	DIAPH1	rs73619637 S8	NA	2.00E-16	8.15E-09	6.95E-13	6.35E-08	1	9.54E-05
phe.Fasting_rs147677041 S8	DIAPH1	rs74627895 S8	TMEM64	1.64E-07	1	0.000118218	4.42E-09	0.179944	8.98E-06
phe.Fasting_rs147677041 S8	DIAPH1	rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_rs147677041 S8	DIAPH1	rs75350765 S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	0.335069	1.57E-05
phe.Fasting_rs147677041 S8	DIAPH1	rs75374128 S5	CNTLN	5.25E-06	1	0.00259743	1.83E-08	0.746586	3.18E-05
phe.Fasting_rs147677041 S8	DIAPH1	rs75506779 S5	TMCO3	1.04E-07	1	7.88E-05	2.32E-09	0.0942949	5.04E-06
phe.Fasting_rs147677041 S8	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_rs147677041 S8	DIAPH1	rs75864203 S8	CNTLN	5.25E-06	1	0.00259743	1.83E-08	0.746586	3.18E-05
phe.Fasting_rs147677041 S8	DIAPH1	rs75949566 S5	TMEM64	6.52E-07	1	0.000415514	1.49E-11	0.000607747	5.38E-08
phe.Fasting_rs147677041 S8	DIAPH1	rs76844308 S8	CNTLN	2.67E-06	1	0.00143908	1.80E-08	0.73432	3.14E-05
phe.Fasting_rs147677041 S8	DIAPH1	rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs147677041 S8	DIAPH1	rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs147677041 S8	DIAPH1	rs77845645 S21	NA	3.35E-07	1	0.000229183	1.04E-11	0.000424266	3.85E-08
phe.Fasting_rs147677041 S8	DIAPH1	rs78353402 S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs147677041 S8	DIAPH1	rs78516788 S8	SLC38A1	1.24E-06	1	0.000737575	2.76E-09	0.112313	5.89E-06
phe.Fasting_rs147677041 S8	DIAPH1	rs78697063 S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_rs147677041 S8	DIAPH1	rs78703708 S7	FAF2	7.40E-12	0.000302252	1.27E-08	7.08E-06	1	6.12E-03
phe.Fasting_rs147677041 S8	DIAPH1	rs78722272 S5	CNTLN	5.25E-06	1	0.00259743	1.89E-08	0.767323	3.26E-05
phe.Fasting_rs147677041 S8	DIAPH1	rs78736524 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs147677041 S8	DIAPH1	rs78990344 S2	LOC1005063	5.56E-07	1	0.000361481	1.11E-11	0.000453381	4.10E-08

phe.Fasting_	rs147677041	S8	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs147677041	S8	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.37E-10	0.034062	2.03E-06
phe.Fasting_	rs147677041	S8	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs147677041	S8	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs147677041	S8	DIAPH1	rs891061	S7	POP4	6.59E-07	1	0.000419527	1.19E-05	1	9.35E-03
phe.Fasting_	rs147924635	S8	UBE4B	rs112348319	S8	SPTLC1	5.66E-06	1	0.00277821	1.26E-06	1	1.39E-03
phe.Fasting_	rs147924635	S8	UBE4B	rs112608164	S8	SPTLC1	5.66E-06	1	0.00277821	1.26E-06	1	1.39E-03
phe.Fasting_	rs147924635	S8	UBE4B	rs138090701	S5	HDAC3	1.99E-05	1	0.00831239	9.46E-07	1	1.07E-03
phe.Fasting_	rs147924635	S8	UBE4B	rs149716949	S5	DIAPH1	1.63E-05	1	0.00695694	9.47E-07	1	1.08E-03
phe.Fasting_	rs147924635	S8	UBE4B	rs6881310	S23	ISL1	1.53E-06	1	0.000889797	1.10E-05	1	8.83E-03
phe.Fasting_	rs147924635	S8	UBE4B	rs76542405	S5	SPTLC1	5.66E-06	1	0.00277821	1.26E-06	1	1.39E-03
phe.Fasting_	rs147924635	S8	UBE4B	rs77444916	S23	LOC642366	1.41E-06	1	0.000827894	3.89E-12	0.000158404	1.61E-08
phe.Fasting_	rs147924635	S8	UBE4B	rs77523818	S7	SPTLC1	5.66E-06	1	0.00277821	1.26E-06	1	1.39E-03
phe.Fasting_	rs147924635	S8	UBE4B	rs77845645	S21	NA	7.52E-07	1	0.000470891	5.29E-09	0.21548	1.04E-05
phe.Fasting_	rs147924635	S8	UBE4B	rs80258830	S24	LOC642366	1.41E-06	1	0.000827894	3.89E-12	0.000158404	1.61E-08
phe.Fasting_	rs148116628	S7	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_	rs148116628	S7	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_	rs148116628	S7	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1	6.13E-05
phe.Fasting_	rs148116628	S7	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs148116628	S7	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs148116628	S7	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_	rs148116628	S7	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_	rs148116628	S7	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_	rs148116628	S7	DIAPH1	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_	rs148116628	S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs148116628	S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs148116628	S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs148116628	S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs148116628	S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs148116628	S7	DIAPH1	rs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_	rs148116628	S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs148116628	S7	DIAPH1	rs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs148116628	S7	DIAPH1	rs11989304	S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_	rs148116628	S7	DIAPH1	rs140524622	S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_	rs148116628	S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs148116628	S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs148116628	S7	DIAPH1	rs150916187	S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_	rs148116628	S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs148116628	S7	DIAPH1	rs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_	rs148116628	S7	DIAPH1	rs2153597	S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06

phe.Fasting_	rs148116628S7	DIAPH1	rs2835656	S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_	rs148116628S7	DIAPH1	rs34801978	S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_	rs148116628S7	DIAPH1	rs352346	S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_	rs148116628S7	DIAPH1	rs3750898	S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_	rs148116628S7	DIAPH1	rs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_	rs148116628S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs148116628S7	DIAPH1	rs58905476	S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_	rs148116628S7	DIAPH1	rs60011869	S16	NA	1.04E-05	1	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_	rs148116628S7	DIAPH1	rs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_	rs148116628S7	DIAPH1	rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_	rs148116628S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs148116628S7	DIAPH1	rs73283603	S7	ZWINT	1.90E-06	1	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_	rs148116628S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs148116628S7	DIAPH1	rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_	rs148116628S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs148116628S7	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_	rs148116628S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs148116628S7	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_	rs148116628S7	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_	rs148116628S7	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_	rs148116628S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs148116628S7	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_	rs148116628S7	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_	rs148116628S7	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_	rs148116628S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs148116628S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs148116628S7	DIAPH1	rs77845645	S21	NA	1.53E-06	1	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_	rs148116628S7	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs148116628S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs148116628S7	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_	rs148116628S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_	rs148116628S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs148116628S7	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_	rs148116628S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs148116628S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_	rs148116628S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_	rs148116628S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs148116628S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs148210213S24	NA	rs114764631S23		NA	2.82E-07	1	1.96E-04	4.13E-09	0.168229	8.45E-06
phe.Fasting_	rs148210213S24	NA	rs139070959S8		RPN2	1.85E-09	0.0755239	1.94E-06	2.41E-06	1	2.43E-03

phe.Fasting_rs148210213 S24	NA	rs145412529 S8	"RBL1,RPS3A	1.03E-09	0.0420988	1.13E-06	2.51E-06	1	2.51E-03
phe.Fasting_rs148423011 S7	DIAPH1	rs111576333 S5	TMEM64	2.37E-06	1	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs148423011 S7	DIAPH1	rs112089881 S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs148423011 S7	DIAPH1	rs112091318 S5	TMEM64	7.32E-07	1	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs148423011 S7	DIAPH1	rs114334325 S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs148423011 S7	DIAPH1	rs114394395 S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs148423011 S7	DIAPH1	rs114565620 S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs148423011 S7	DIAPH1	rs115083290 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs148423011 S7	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs148423011 S7	DIAPH1	rs115752779 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs148423011 S7	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs148423011 S7	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs148423011 S7	DIAPH1	rs116011837 S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs148423011 S7	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs148423011 S7	DIAPH1	rs116120727 S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs148423011 S7	DIAPH1	rs116406581 S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs148423011 S7	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs148423011 S7	DIAPH1	rs116696844 S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs148423011 S7	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs148423011 S7	DIAPH1	rs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs148423011 S7	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs148423011 S7	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs148423011 S7	DIAPH1	rs150916187 S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs148423011 S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs148423011 S7	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs148423011 S7	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs148423011 S7	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs148423011 S7	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs148423011 S7	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs148423011 S7	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs148423011 S7	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs148423011 S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs148423011 S7	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs148423011 S7	DIAPH1	rs60011869 S16	NA	1.04E-05	1	0.00472365	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs148423011 S7	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs148423011 S7	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs148423011 S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs148423011 S7	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1	0.0010688	2.03E-07	1	2.68E-04
phe.Fasting_rs148423011 S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs148423011 S7	DIAPH1	rs734069 S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06

phe.Fasting_rs148423011S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs148423011S7	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs148423011S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs148423011S7	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs148423011S7	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs148423011S7	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs148423011S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs148423011S7	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs148423011S7	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs148423011S7	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs148423011S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs148423011S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs148423011S7	DIAPH1	rs77845645	S21	NA	1.53E-06	1	0.000888475	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs148423011S7	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs148423011S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs148423011S7	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs148423011S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs148423011S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs148423011S7	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs148423011S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs148423011S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs148423011S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs148423011S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs148423011S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs149019627S8	DIAPH1	rs111576333	S5	TMEM64	5.56E-07	1	0.000361481	7.80E-15	3.17E-07	6.90E-11
phe.Fasting_rs149019627S8	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_rs149019627S8	DIAPH1	rs112091318	S5	TMEM64	1.64E-07	1	0.000118218	9.13E-09	0.371559	1.72E-05
phe.Fasting_rs149019627S8	DIAPH1	rs114334325	S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs149019627S8	DIAPH1	rs114394395	S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs149019627S8	DIAPH1	rs114565620	S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	0.335069	1.57E-05
phe.Fasting_rs149019627S8	DIAPH1	rs115083290	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	0.11274	5.90E-06
phe.Fasting_rs149019627S8	DIAPH1	rs115752779	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	0.11274	5.90E-06
phe.Fasting_rs149019627S8	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs149019627S8	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs149019627S8	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs149019627S8	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs149019627S8	DIAPH1	rs116120727	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs149019627S8	DIAPH1	rs116406581	S2	NA	5.24E-15	2.14E-07	1.36E-11	5.32E-08	1	8.11E-05
phe.Fasting_rs149019627S8	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs149019627S8	DIAPH1	rs116696844	S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	8.81E-08	1	1.26E-04



phe.Fasting_rs149019627 S8	DIAPH1	rs11989304 S4	TMEM64	5.56E-07	1	0.000361481	1.11E-11	0.000453381	4.10E-08
phe.Fasting_rs149019627 S8	DIAPH1	rs140524622 S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.83E-06	1	2.79E-03
phe.Fasting_rs149019627 S8	DIAPH1	rs146815317 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs149019627 S8	DIAPH1	rs150117838 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs149019627 S8	DIAPH1	rs150916187 S4	HIST1H2BK	4.14E-06	1	0.00210616	2.61E-15	1.06E-07	2.55E-11
phe.Fasting_rs149019627 S8	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs149019627 S8	DIAPH1	rs34801978 S3	HOXB2	2.19E-06	1	0.00120758	1.65E-09	0.0670533	3.72E-06
phe.Fasting_rs149019627 S8	DIAPH1	rs4732511 S13	POR	9.61E-15	3.93E-07	2.45E-11	2.36E-06	1	2.39E-03
phe.Fasting_rs149019627 S8	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs149019627 S8	DIAPH1	rs60011869 S16	NA	2.13E-06	1	0.00118391	1.78E-07	1	2.39E-04
phe.Fasting_rs149019627 S8	DIAPH1	rs6964407 S7	POR	3.32E-14	1.36E-06	8.04E-11	2.16E-06	1	2.22E-03
phe.Fasting_rs149019627 S8	DIAPH1	rs7004597 S8	NA	1.25E-15	5.12E-08	3.65E-12	5.12E-08	1	7.84E-05
phe.Fasting_rs149019627 S8	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs149019627 S8	DIAPH1	rs73283603 S7	ZWINT	4.49E-07	1	0.000297012	4.53E-08	1	7.02E-05
phe.Fasting_rs149019627 S8	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs149019627 S8	DIAPH1	rs73619637 S8	NA	2.00E-16	8.15E-09	6.95E-13	6.35E-08	1	9.54E-05
phe.Fasting_rs149019627 S8	DIAPH1	rs74627895 S8	TMEM64	1.64E-07	1	0.000118218	4.42E-09	0.179944	8.98E-06
phe.Fasting_rs149019627 S8	DIAPH1	rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_rs149019627 S8	DIAPH1	rs75350765 S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	0.335069	1.57E-05
phe.Fasting_rs149019627 S8	DIAPH1	rs75374128 S5	CNTLN	5.25E-06	1	0.00259743	1.83E-08	0.746586	3.18E-05
phe.Fasting_rs149019627 S8	DIAPH1	rs75506779 S5	TMCO3	1.04E-07	1	7.88E-05	2.32E-09	0.0942949	5.04E-06
phe.Fasting_rs149019627 S8	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_rs149019627 S8	DIAPH1	rs75864203 S8	CNTLN	5.25E-06	1	0.00259743	1.83E-08	0.746586	3.18E-05
phe.Fasting_rs149019627 S8	DIAPH1	rs75949566 S5	TMEM64	6.52E-07	1	0.000415514	1.49E-11	0.000607747	5.38E-08
phe.Fasting_rs149019627 S8	DIAPH1	rs76844308 S8	CNTLN	2.67E-06	1	0.00143908	1.80E-08	0.73432	3.14E-05
phe.Fasting_rs149019627 S8	DIAPH1	rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs149019627 S8	DIAPH1	rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs149019627 S8	DIAPH1	rs77845645 S21	NA	3.35E-07	1	0.000229183	1.04E-11	0.000424266	3.85E-08
phe.Fasting_rs149019627 S8	DIAPH1	rs78353402 S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs149019627 S8	DIAPH1	rs78516788 S8	SLC38A1	1.24E-06	1	0.000737575	2.76E-09	0.112313	5.89E-06
phe.Fasting_rs149019627 S8	DIAPH1	rs78697063 S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_rs149019627 S8	DIAPH1	rs78703708 S7	FAF2	7.40E-12	0.000302252	1.27E-08	7.08E-06	1	6.12E-03
phe.Fasting_rs149019627 S8	DIAPH1	rs78722272 S5	CNTLN	5.25E-06	1	0.00259743	1.89E-08	0.767323	3.26E-05
phe.Fasting_rs149019627 S8	DIAPH1	rs78736524 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs149019627 S8	DIAPH1	rs78990344 S2	LOC1005063	5.56E-07	1	0.000361481	1.11E-11	0.000453381	4.10E-08
phe.Fasting_rs149019627 S8	DIAPH1	rs79781495 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs149019627 S8	DIAPH1	rs80200953 S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.37E-10	0.034062	2.03E-06
phe.Fasting_rs149019627 S8	DIAPH1	rs80332465 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs149019627 S8	DIAPH1	rs80334773 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs149019627 S8	DIAPH1	rs891061 S7	POP4	6.59E-07	1	0.000419527	1.19E-05	1	9.35E-03

phe.Fasting_rs149075406S8	DIAPH1	rs111576333S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs149075406S8	DIAPH1	rs112089881S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs149075406S8	DIAPH1	rs112091318S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1	6.13E-05
phe.Fasting_rs149075406S8	DIAPH1	rs114334325S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs149075406S8	DIAPH1	rs114394395S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs149075406S8	DIAPH1	rs114565620S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs149075406S8	DIAPH1	rs115083290S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs149075406S8	DIAPH1	rs11524145S5	CDK6	7.80E-07	1	0.000486356	7.89E-06	1	6.69E-03
phe.Fasting_rs149075406S8	DIAPH1	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs149075406S8	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs149075406S8	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs149075406S8	DIAPH1	rs116011837S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs149075406S8	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs149075406S8	DIAPH1	rs116120727S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs149075406S8	DIAPH1	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs149075406S8	DIAPH1	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs149075406S8	DIAPH1	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs149075406S8	DIAPH1	rs11989304S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs149075406S8	DIAPH1	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs149075406S8	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs149075406S8	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs149075406S8	DIAPH1	rs150916187S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs149075406S8	DIAPH1	rs16894241S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs149075406S8	DIAPH1	rs2032062S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs149075406S8	DIAPH1	rs2153597S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs149075406S8	DIAPH1	rs2835656S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs149075406S8	DIAPH1	rs34801978S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs149075406S8	DIAPH1	rs352346S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs149075406S8	DIAPH1	rs3750898S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs149075406S8	DIAPH1	rs4732511S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs149075406S8	DIAPH1	rs57503635S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs149075406S8	DIAPH1	rs58905476S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs149075406S8	DIAPH1	rs60011869S16	NA	1.04E-05	1	0.00472365	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs149075406S8	DIAPH1	rs6964407S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs149075406S8	DIAPH1	rs7004597S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs149075406S8	DIAPH1	rs7256517S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs149075406S8	DIAPH1	rs73283603S7	ZWINT	1.90E-06	1	0.0010688	2.03E-07	1	2.68E-04
phe.Fasting_rs149075406S8	DIAPH1	rs73392640S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs149075406S8	DIAPH1	rs734069S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs149075406S8	DIAPH1	rs73619637S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07

phe.Fasting_rs149075406S8	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs149075406S8	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs149075406S8	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs149075406S8	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs149075406S8	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs149075406S8	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs149075406S8	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs149075406S8	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs149075406S8	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs149075406S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs149075406S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs149075406S8	DIAPH1	rs77845645	S21	NA	1.53E-06	1	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs149075406S8	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs149075406S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs149075406S8	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs149075406S8	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs149075406S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs149075406S8	DIAPH1	rs78990344	S2	LOC1005063	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs149075406S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs149075406S8	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs149075406S8	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs149075406S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs149075406S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs149334783S8	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs149334783S8	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs149334783S8	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1	6.13E-05
phe.Fasting_rs149334783S8	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs149334783S8	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs149334783S8	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs149334783S8	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs149334783S8	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1	0.000486356	7.89E-06	1	6.69E-03
phe.Fasting_rs149334783S8	DIAPH1	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs149334783S8	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs149334783S8	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs149334783S8	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs149334783S8	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs149334783S8	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs149334783S8	DIAPH1	rs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs149334783S8	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs149334783S8	DIAPH1	rs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04

phe.Fasting_	rs149334783	S8	DIAPH1	rs11989304	S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_	rs149334783	S8	DIAPH1	rs140524622	S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_	rs149334783	S8	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs149334783	S8	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs149334783	S8	DIAPH1	rs150916187	S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_	rs149334783	S8	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs149334783	S8	DIAPH1	rs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_	rs149334783	S8	DIAPH1	rs2153597	S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_	rs149334783	S8	DIAPH1	rs2835656	S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_	rs149334783	S8	DIAPH1	rs34801978	S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_	rs149334783	S8	DIAPH1	rs352346	S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_	rs149334783	S8	DIAPH1	rs3750898	S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_	rs149334783	S8	DIAPH1	rs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_	rs149334783	S8	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_	rs149334783	S8	DIAPH1	rs58905476	S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_	rs149334783	S8	DIAPH1	rs60011869	S16	NA	1.04E-05	1	0.00472365	8.16E-10	0.0332257	1.98E-06
phe.Fasting_	rs149334783	S8	DIAPH1	rs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_	rs149334783	S8	DIAPH1	rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_	rs149334783	S8	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_	rs149334783	S8	DIAPH1	rs73283603	S7	ZWINT	1.90E-06	1	0.0010688	2.03E-07	1	2.68E-04
phe.Fasting_	rs149334783	S8	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_	rs149334783	S8	DIAPH1	rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_	rs149334783	S8	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_	rs149334783	S8	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	0.828094	3.48E-05
phe.Fasting_	rs149334783	S8	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_	rs149334783	S8	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_	rs149334783	S8	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_	rs149334783	S8	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	0.449707	2.03E-05
phe.Fasting_	rs149334783	S8	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_	rs149334783	S8	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_	rs149334783	S8	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	0.00345267	2.62E-07
phe.Fasting_	rs149334783	S8	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_	rs149334783	S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_	rs149334783	S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs149334783	S8	DIAPH1	rs77845645	S21	NA	1.53E-06	1	0.000888475	4.20E-11	0.00170882	1.38E-07
phe.Fasting_	rs149334783	S8	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs149334783	S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_	rs149334783	S8	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_	rs149334783	S8	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_	rs149334783	S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10

phe.Fasting_	rs149334783	S8	DIAPH1	rs78990344	S2	LOC1005063	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_	rs149334783	S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs149334783	S8	DIAPH1	rs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_	rs149334783	S8	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_	rs149334783	S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs149334783	S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs112089881	S8	ZFAND4	1.96E-18	7.99E-11	4.03E-14	3.02E-10	0.0122912	8.15E-07
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs112091318	S5	TMEM64	1.52E-05	1.00E+00	6.58E-03	2.56E-07	1	3.30E-04
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs114334325	S7	AP3M2	8.70E-16	3.55E-08	2.60E-12	5.52E-06	1	4.97E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs114394395	S7	AP3M2	9.30E-16	3.80E-08	2.77E-12	5.52E-06	1	4.97E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs114565620	S8	RCL1	1.29E-17	5.26E-10	1.08E-13	1.39E-08	0.566303	2.49E-05
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs115305957	S23	NA	1.81E-05	1.00E+00	7.66E-03	1.43E-12	5.82E-05	6.44E-09
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs115787552	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs115888477	S8	NA	2.72E-15	1.11E-07	7.62E-12	7.36E-15	3.00E-07	6.53E-11
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs116011837	S9	BRD2	1.05E-06	1	0.00063174	6.95E-14	2.83E-06	4.69E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs116079984	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.48E-14	1.82E-06	3.11E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs116120727	S9	BRD2	1.05E-06	1.00E+00	6.32E-04	6.95E-14	2.83E-06	4.69E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs116406581	S2	NA	3.68E-15	1.50E-07	9.90E-12	3.30E-06	1	3.18E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs116548615	S8	TMEM45B	2.04E-17	8.34E-10	1.43E-13	7.86E-12	0.000320069	2.98E-08
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs116696844	S3	AP3M2	1.40E-15	5.70E-08	4.02E-12	5.52E-06	1	4.97E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs146815317	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs150117838	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs16894241	S4	HIST1H2BK	1.90E-07	1.00E+00	1.36E-04	1.18E-14	4.80E-07	1.01E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs2153597	S8	ZNF438	5.42E-12	0.000221525	9.59E-09	5.42E-06	1	4.90E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs352346	S3	GRPEL2	2.27E-07	1	1.60E-04	1.07E-05	1	8.65E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs57503635	S3	NA	7.95E-08	1	6.20E-05	1.16E-14	4.73E-07	1.00E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs60011869	S16	NA	1.45E-06	1	8.45E-04	3.19E-10	0.0129858	8.56E-07
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs7004597	S8	NA	8.70E-16	3.55E-08	2.60E-12	3.26E-06	1	3.15E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs7256517	S7	CYTH2	1.38E-16	5.63E-09	5.47E-13	2.91E-10	0.0118364	7.91E-07
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs73392640	S8	POLR3B	3.00E-11	0.00122354	4.24E-08	4.09E-10	0.0166326	1.07E-06
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs74627895	S8	TMEM64	1.52E-05	1	6.58E-03	1.28E-07	1	1.77E-04
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs74701059	S24	C17orf102	1.84E-05	1	7.76E-03	2.11E-12	8.58E-05	9.15E-09
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs74914207	S24	NA	1.23E-11	0.000502589	1.92E-08	1.49E-07	1	2.03E-04
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs75350765	S5	RCL1	1.29E-17	5.26E-10	1.08E-13	1.39E-08	0.566303	2.49E-05
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs75374128	S5	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.01E-06	1	2.08E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs75758702	S24	NA	7.70E-18	3.14E-10	8.50E-14	6.42E-10	0.0261274	1.61E-06
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs75864203	S8	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.01E-06	1	2.08E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs76844308	S8	CNTLN	7.07E-18	2.89E-10	8.18E-14	1.78E-06	1	1.87E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs7763107	S8	FARS2	2.63E-08	1	2.28E-05	3.07E-10	0.012484	8.27E-07
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs77798597	S7	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10

phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs77845645	S21	NA	2.15E-07	1	1.52E-04	2.70E-11	0.00109923	9.29E-08
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs78353402	S8	AP3M2	8.70E-16	3.55E-08	2.60E-12	5.52E-06	1	4.97E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs78516788	S8	SLC38A1	3.43E-12	0.000140209	6.23E-09	7.67E-09	0.312323	1.47E-05
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs78697063	S5	MSI2	4.23E-20	1.73E-12	2.23E-14	2.49E-10	0.0101226	6.85E-07
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs78722272	S5	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.07E-06	1	2.14E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs78736524	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs79703349	S24	C17orf102	1.84E-05	1	7.76E-03	2.63E-12	0.000107117	1.13E-08
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs79781495	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs79886603	S15	NA	1.10E-08	0.447989	1.01E-05	9.00E-06	1	7.49E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs80200953	S8	PPP2R5D	1.32E-08	0.538553	1.20E-05	3.10E-06	1	3.01E-03
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs80332465	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs149553852	S21	"PCDHGA10,	rs80334773	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs149716949	S5	DIAPH1	rs111576333	S5	TMEM64	3.47E-07	1	2.37E-04	4.16E-15	1.69E-07	3.88E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs112089881	S8	ZFAND4	1.96E-18	7.99E-11	4.03E-14	6.56E-10	0.026686	1.65E-06
phe.Fasting_	rs149716949	S5	DIAPH1	rs112091318	S5	TMEM64	1.04E-07	1	7.88E-05	5.11E-09	0.208096	1.01E-05
phe.Fasting_	rs149716949	S5	DIAPH1	rs114334325	S7	AP3M2	4.66E-16	1.90E-08	1.49E-12	4.08E-08	1	6.39E-05
phe.Fasting_	rs149716949	S5	DIAPH1	rs114394395	S7	AP3M2	5.01E-16	2.05E-08	1.59E-12	4.08E-08	1	6.39E-05
phe.Fasting_	rs149716949	S5	DIAPH1	rs114565620	S8	RCL1	1.35E-17	5.51E-10	1.11E-13	5.21E-09	0.212083	1.03E-05
phe.Fasting_	rs149716949	S5	DIAPH1	rs115083290	S19	NA	5.02E-17	2.05E-09	2.47E-13	5.78E-08	1	8.75E-05
phe.Fasting_	rs149716949	S5	DIAPH1	rs11524145	S5	CDK6	8.44E-08	1	6.55E-05	1.09E-06	1	1.22E-03
phe.Fasting_	rs149716949	S5	DIAPH1	rs115305957	S23	NA	1.77E-05	1	7.48E-03	2.97E-08	1	4.83E-05
phe.Fasting_	rs149716949	S5	DIAPH1	rs115752779	S19	NA	5.02E-17	2.05E-09	2.47E-13	5.78E-08	1	8.75E-05
phe.Fasting_	rs149716949	S5	DIAPH1	rs115787552	S5	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.11E-14	4.52E-07	9.57E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs115888477	S8	NA	2.52E-15	1.03E-07	7.08E-12	1.96E-15	7.97E-08	2.11E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs116011837	S9	BRD2	4.69E-12	0.00019166	8.39E-09	2.53E-15	1.03E-07	2.47E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs116079984	S8	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.23E-14	5.02E-07	1.06E-10
phe.Fasting_	rs149716949	S5	DIAPH1	rs116120727	S9	BRD2	4.69E-12	0.00019166	8.39E-09	2.53E-15	1.03E-07	2.47E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs116406581	S2	NA	2.02E-15	8.24E-08	5.72E-12	2.29E-08	0.930326	3.82E-05
phe.Fasting_	rs149716949	S5	DIAPH1	rs116696844	S3	AP3M2	7.30E-16	2.98E-08	2.23E-12	4.08E-08	1	6.39E-05
phe.Fasting_	rs149716949	S5	DIAPH1	rs11989304	S4	TMEM64	3.47E-07	1	2.37E-04	6.37E-12	0.000259445	2.46E-08
phe.Fasting_	rs149716949	S5	DIAPH1	rs140524622	S7	MRPL10	1.22E-17	4.98E-10	1.05E-13	1.66E-06	1	1.76E-03
phe.Fasting_	rs149716949	S5	DIAPH1	rs146815317	S5	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.11E-14	4.52E-07	9.57E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs150117838	S8	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.08E-14	4.39E-07	9.34E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs150916187	S4	HIST1H2BK	2.33E-06	1	0.00127864	1.06E-15	4.30E-08	1.21E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs16894241	S4	HIST1H2BK	1.60E-12	6.55E-05	3.12E-09	2.98E-15	1.21E-07	2.87E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs2153597	S8	ZNF438	4.53E-12	0.000185128	8.11E-09	4.15E-10	0.0168962	1.09E-06
phe.Fasting_	rs149716949	S5	DIAPH1	rs34801978	S3	HOXB2	2.46E-06	1.00E+00	1.34E-03	8.27E-10	0.033679	2.01E-06
phe.Fasting_	rs149716949	S5	DIAPH1	rs352346	S3	GRPEL2	8.19E-13	3.34E-05	1.70E-09	1.20E-06	1	1.33E-03
phe.Fasting_	rs149716949	S5	DIAPH1	rs57503635	S3	NA	7.80E-17	3.19E-09	3.46E-13	3.01E-15	1.22E-07	2.90E-11
phe.Fasting_	rs149716949	S5	DIAPH1	rs7004597	S8	NA	4.66E-16	1.90E-08	1.49E-12	2.31E-08	0.939181	3.85E-05

phe.Fasting_rs149716949S5	DIAPH1	rs7256517	S7	CYTH2	1.17E-16	4.79E-09	4.85E-13	4.07E-13	1.66E-05	2.19E-09
phe.Fasting_rs149716949S5	DIAPH1	rs73283603	S7	ZWINT	2.07E-07	1.00E+00	1.47E-04	1.01E-06	1	1.14E-03
phe.Fasting_rs149716949S5	DIAPH1	rs73392640	S8	POLR3B	1.99E-11	8.14E-04	2.96E-08	5.38E-12	0.000219004	2.11E-08
phe.Fasting_rs149716949S5	DIAPH1	rs73619637	S8	NA	4.97E-06	1.00E+00	2.48E-03	4.26E-09	0.173551	8.70E-06
phe.Fasting_rs149716949S5	DIAPH1	rs74627895	S8	TMEM64	1.04E-07	1	7.88E-05	2.52E-09	0.102776	5.44E-06
phe.Fasting_rs149716949S5	DIAPH1	rs74701059	S24	C17orf102	1.77E-05	1.00E+00	7.50E-03	5.10E-08	1	7.82E-05
phe.Fasting_rs149716949S5	DIAPH1	rs75350765	S5	RCL1	1.35E-17	5.51E-10	1.11E-13	5.21E-09	0.212083	1.03E-05
phe.Fasting_rs149716949S5	DIAPH1	rs75374128	S5	CNTLN	1.54E-17	6.28E-10	1.19E-13	1.25E-08	0.509255	2.28E-05
phe.Fasting_rs149716949S5	DIAPH1	rs75506779	S5	TMCO3	4.63E-08	1.00E+00	3.82E-05	1.33E-09	0.0539442	3.04E-06
phe.Fasting_rs149716949S5	DIAPH1	rs75758702	S24	NA	7.30E-18	2.98E-10	8.31E-14	1.20E-11	0.00048753	4.39E-08
phe.Fasting_rs149716949S5	DIAPH1	rs75864203	S8	CNTLN	1.54E-17	6.28E-10	1.19E-13	1.25E-08	0.509255	2.28E-05
phe.Fasting_rs149716949S5	DIAPH1	rs75949566	S5	TMEM64	4.10E-07	1	0.000274756	7.92E-12	0.000322189	3.00E-08
phe.Fasting_rs149716949S5	DIAPH1	rs76844308	S8	CNTLN	7.96E-18	3.25E-10	8.55E-14	1.19E-08	0.48292	2.17E-05
phe.Fasting_rs149716949S5	DIAPH1	rs7763107	S8	FARS2	6.57E-17	2.68E-09	3.02E-13	1.15E-07	1	1.60E-04
phe.Fasting_rs149716949S5	DIAPH1	rs77798597	S7	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.08E-14	4.39E-07	9.34E-11
phe.Fasting_rs149716949S5	DIAPH1	rs78353402	S8	AP3M2	4.66E-16	1.90E-08	1.49E-12	4.08E-08	1	6.39E-05
phe.Fasting_rs149716949S5	DIAPH1	rs78516788	S8	SLC38A1	2.10E-12	8.56E-05	3.94E-09	3.41E-11	0.00138926	1.14E-07
phe.Fasting_rs149716949S5	DIAPH1	rs78697063	S5	MSI2	4.40E-20	1.80E-12	2.23E-14	6.40E-11	0.00260631	2.03E-07
phe.Fasting_rs149716949S5	DIAPH1	rs78703708	S7	FAF2	3.55E-12	0.000144813	6.41E-09	7.19E-06	1	6.20E-03
phe.Fasting_rs149716949S5	DIAPH1	rs78722272	S5	CNTLN	1.54E-17	6.28E-10	1.19E-13	1.31E-08	0.532459	2.36E-05
phe.Fasting_rs149716949S5	DIAPH1	rs78736524	S5	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.11E-14	4.52E-07	9.57E-11
phe.Fasting_rs149716949S5	DIAPH1	rs78990344	S2	LOC10050631	3.47E-07	1.00E+00	2.37E-04	6.37E-12	0.000259445	2.46E-08
phe.Fasting_rs149716949S5	DIAPH1	rs79703349	S24	C17orf102	1.77E-05	1.00E+00	7.50E-03	6.35E-08	1	9.53E-05
phe.Fasting_rs149716949S5	DIAPH1	rs79781495	S8	KPNA3	3.43E-16	1.40E-08	1.13E-12	1.08E-14	4.39E-07	9.34E-11
phe.Fasting_rs149716949S5	DIAPH1	rs79886603	S15	NA	6.66E-09	2.72E-01	6.42E-06	5.36E-08	1	8.15E-05
phe.Fasting_rs149716949S5	DIAPH1	rs80200953	S8	PPP2R5D	8.53E-18	3.48E-10	8.87E-14	2.83E-08	1	4.63E-05
phe.Fasting_rs149716949S5	DIAPH1	rs80332465	S5	KPNA3	3.62E-16	1.48E-08	1.19E-12	1.16E-14	4.74E-07	1.00E-10
phe.Fasting_rs149716949S5	DIAPH1	rs80334773	S5	KPNA3	3.62E-16	1.48E-08	1.19E-12	1.16E-14	4.74E-07	1.00E-10
phe.Fasting_rs149716949S5	DIAPH1	rs891061	S7	POP4	5.63E-09	2.30E-01	5.48E-06	2.55E-06	1	2.54E-03
phe.Fasting_rs149791570S5	DIAPH1	rs111576333	S5	TMEM64	5.56E-07	1.00E+00	3.61E-04	7.80E-15	3.17E-07	6.90E-11
phe.Fasting_rs149791570S5	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_rs149791570S5	DIAPH1	rs112091318	S5	TMEM64	1.64E-07	1.00E+00	1.18E-04	9.13E-09	0.371559	1.72E-05
phe.Fasting_rs149791570S5	DIAPH1	rs114334325	S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs149791570S5	DIAPH1	rs114394395	S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs149791570S5	DIAPH1	rs114565620	S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	0.335069	1.57E-05
phe.Fasting_rs149791570S5	DIAPH1	rs115083290	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	0.11274	5.90E-06
phe.Fasting_rs149791570S5	DIAPH1	rs115752779	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	0.11274	5.90E-06
phe.Fasting_rs149791570S5	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs149791570S5	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs149791570S5	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11

phe.Fasting_rs149791570S5	DIAPH1	rs116079984 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs149791570S5	DIAPH1	rs116120727 S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs149791570S5	DIAPH1	rs116406581 S2	NA	5.24E-15	2.14E-07	1.36E-11	5.32E-08	1	8.11E-05
phe.Fasting_rs149791570S5	DIAPH1	rs116548615 S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs149791570S5	DIAPH1	rs116696844 S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs149791570S5	DIAPH1	rs11989304 S4	TMEM64	5.56E-07	1.00E+00	3.61E-04	1.11E-11	0.000453381	4.10E-08
phe.Fasting_rs149791570S5	DIAPH1	rs140524622 S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.83E-06	1	2.79E-03
phe.Fasting_rs149791570S5	DIAPH1	rs146815317 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs149791570S5	DIAPH1	rs150117838 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs149791570S5	DIAPH1	rs150916187 S4	HIST1H2BK	4.14E-06	1.00E+00	2.11E-03	2.61E-15	1.06E-07	2.55E-11
phe.Fasting_rs149791570S5	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	1.52E-04	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs149791570S5	DIAPH1	rs34801978 S3	HOXB2	2.19E-06	1.00E+00	1.21E-03	1.65E-09	0.0670533	3.72E-06
phe.Fasting_rs149791570S5	DIAPH1	rs4732511 S13	POR	9.61E-15	3.93E-07	2.45E-11	2.36E-06	1	2.39E-03
phe.Fasting_rs149791570S5	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs149791570S5	DIAPH1	rs60011869 S16	NA	2.13E-06	1.00E+00	1.18E-03	1.78E-07	1	2.39E-04
phe.Fasting_rs149791570S5	DIAPH1	rs6964407 S7	POR	3.32E-14	1.36E-06	8.04E-11	2.16E-06	1	2.22E-03
phe.Fasting_rs149791570S5	DIAPH1	rs7004597 S8	NA	1.25E-15	5.12E-08	3.65E-12	5.12E-08	1	7.84E-05
phe.Fasting_rs149791570S5	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs149791570S5	DIAPH1	rs73283603 S7	ZWINT	4.49E-07	1.00E+00	2.97E-04	4.53E-08	1	7.02E-05
phe.Fasting_rs149791570S5	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	1.87E-03	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs149791570S5	DIAPH1	rs73619637 S8	NA	2.00E-16	8.15E-09	6.95E-13	6.35E-08	1	9.54E-05
phe.Fasting_rs149791570S5	DIAPH1	rs74627895 S8	TMEM64	1.64E-07	1.00E+00	1.18E-04	4.42E-09	0.179944	8.98E-06
phe.Fasting_rs149791570S5	DIAPH1	rs74914207 S24	NA	2.89E-11	1.18E-03	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_rs149791570S5	DIAPH1	rs75350765 S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	0.335069	1.57E-05
phe.Fasting_rs149791570S5	DIAPH1	rs75374128 S5	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.83E-08	0.746586	3.18E-05
phe.Fasting_rs149791570S5	DIAPH1	rs75506779 S5	TMCO3	1.04E-07	1.00E+00	7.88E-05	2.32E-09	0.0942949	5.04E-06
phe.Fasting_rs149791570S5	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_rs149791570S5	DIAPH1	rs75864203 S8	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.83E-08	0.746586	3.18E-05
phe.Fasting_rs149791570S5	DIAPH1	rs75949566 S5	TMEM64	6.52E-07	1.00E+00	4.16E-04	1.49E-11	0.000607747	5.38E-08
phe.Fasting_rs149791570S5	DIAPH1	rs76844308 S8	CNTLN	2.67E-06	1.00E+00	1.44E-03	1.80E-08	0.73432	3.14E-05
phe.Fasting_rs149791570S5	DIAPH1	rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs149791570S5	DIAPH1	rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs149791570S5	DIAPH1	rs77845645 S21	NA	3.35E-07	1.00E+00	2.29E-04	1.04E-11	0.000424266	3.85E-08
phe.Fasting_rs149791570S5	DIAPH1	rs78353402 S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs149791570S5	DIAPH1	rs78516788 S8	SLC38A1	1.24E-06	1.00E+00	7.38E-04	2.76E-09	0.112313	5.89E-06
phe.Fasting_rs149791570S5	DIAPH1	rs78697063 S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_rs149791570S5	DIAPH1	rs78703708 S7	FAF2	7.40E-12	3.02E-04	1.27E-08	7.08E-06	1	6.12E-03
phe.Fasting_rs149791570S5	DIAPH1	rs78722272 S5	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.89E-08	0.767323	3.26E-05
phe.Fasting_rs149791570S5	DIAPH1	rs78736524 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs149791570S5	DIAPH1	rs78990344 S2	LOC1005063	5.56E-07	1.00E+00	3.61E-04	1.11E-11	0.000453381	4.10E-08



phe.Fasting_	rs149791570S5	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_	rs149791570S5	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.37E-10	0.034062	2.03E-06
phe.Fasting_	rs149791570S5	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs149791570S5	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_	rs149791570S5	DIAPH1	rs891061	S7	POP4	6.59E-07	1.00E+00	4.20E-04	1.19E-05	1	9.35E-03
phe.Fasting_	rs150117838S8	KPNA3	rs140524622	S7	MRPL10	3.78E-08	1.00E+00	3.18E-05	1.50E-16	6.10E-09	6.88E-12
phe.Fasting_	rs150117838S8	KPNA3	rs57503635	S3	NA	1.29E-15	5.25E-08	3.74E-12	4.13E-15	1.68E-07	3.85E-11
phe.Fasting_	rs150117838S8	KPNA3	rs7256517	S7	CYTH2	1.78E-05	1.00E+00	7.54E-03	1.34E-06	1	1.47E-03
phe.Fasting_	rs150117838S8	KPNA3	rs75506779	S5	TMCO3	2.52E-06	1	0.00136748	2.40E-15	9.76E-08	2.35E-11
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs111576333	S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs112091318	S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs11524145	S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs11989304	S4	TMEM64	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs140524622	S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs150916187	S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs16894241	S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs2153597	S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs2835656	S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs34801978	S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs352346	S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs3750898	S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_	rs150452206S13	"DIAPH1,LOC	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10

phe.Fasting_rs150452206S13	"DIAPH1,LOCrs58905476	S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs60011869	S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs73283603	S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs73392640	S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs734069	S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs74627895	S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs74914207	S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs75506779	S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs75949566	S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs77845645	S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs78990344	S2	LOC1005063!	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs150452206S13	"DIAPH1,LOCrs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs150675915S7	DIAPH1 rs111576333	S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs150675915S7	DIAPH1 rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs150675915S7	DIAPH1 rs112091318	S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs150675915S7	DIAPH1 rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs150675915S7	DIAPH1 rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs150675915S7	DIAPH1 rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs150675915S7	DIAPH1 rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs150675915S7	DIAPH1 rs11524145	S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03

phe.Fasting_rs150675915S7	DIAPH1	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs150675915S7	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs150675915S7	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs150675915S7	DIAPH1	rs116011837S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs150675915S7	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs150675915S7	DIAPH1	rs116120727S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs150675915S7	DIAPH1	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs150675915S7	DIAPH1	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs150675915S7	DIAPH1	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs150675915S7	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs150675915S7	DIAPH1	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs150675915S7	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs150675915S7	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150675915S7	DIAPH1	rs150916187S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs150675915S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs150675915S7	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs150675915S7	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs150675915S7	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs150675915S7	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs150675915S7	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs150675915S7	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs150675915S7	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs150675915S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs150675915S7	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs150675915S7	DIAPH1	rs60011869 S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs150675915S7	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs150675915S7	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs150675915S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs150675915S7	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs150675915S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs150675915S7	DIAPH1	rs734069 S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs150675915S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs150675915S7	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs150675915S7	DIAPH1	rs74914207 S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs150675915S7	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs150675915S7	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs150675915S7	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs150675915S7	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs150675915S7	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs150675915S7	DIAPH1	rs75949566 S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	0.00345267	2.62E-07

phe.Fasting_rs150675915S7	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs150675915S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs150675915S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150675915S7	DIAPH1	rs77845645	S21	NA	1.53E-06	1	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs150675915S7	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs150675915S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs150675915S7	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs150675915S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs150675915S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs150675915S7	DIAPH1	rs78990344	S2	LOC1005063	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs150675915S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150675915S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs150675915S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs150675915S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs150675915S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs150738496S23	HLA-G	rs114764631	S23	NA	2.82E-07	1	1.96E-04	4.13E-09	0.168229	8.45E-06
phe.Fasting_rs150738496S23	HLA-G	rs139070959	S8	RPN2	1.85E-09	0.0755239	1.94E-06	2.41E-06	1	2.43E-03
phe.Fasting_rs150738496S23	HLA-G	rs145412529	S8	"RBL1,RPS3A	1.03E-09	0.0420988	1.13E-06	2.51E-06	1	2.51E-03
phe.Fasting_rs150765570S7	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs150765570S7	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs150765570S7	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs150765570S7	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs150765570S7	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs150765570S7	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs150765570S7	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs150765570S7	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs150765570S7	DIAPH1	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs150765570S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs150765570S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs150765570S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs150765570S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs150765570S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs150765570S7	DIAPH1	rs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs150765570S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs150765570S7	DIAPH1	rs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs150765570S7	DIAPH1	rs11989304	S4	TMEM64	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs150765570S7	DIAPH1	rs140524622	S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs150765570S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs150765570S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150765570S7	DIAPH1	rs150916187	S4	HIST1H2BK	1.38E-05	1	6.05E-03	1.37E-14	5.59E-07	1.16E-10

phe.Fasting_rs150765570S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs150765570S7	DIAPH1	rs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs150765570S7	DIAPH1	rs2153597	S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs150765570S7	DIAPH1	rs2835656	S7	TTC3	3.01E-10	0.01222766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs150765570S7	DIAPH1	rs34801978	S3	HOXB2	1.23E-05	1	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs150765570S7	DIAPH1	rs352346	S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs150765570S7	DIAPH1	rs3750898	S8	DCLRE1A	2.29E-05	1	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_rs150765570S7	DIAPH1	rs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs150765570S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs150765570S7	DIAPH1	rs58905476	S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs150765570S7	DIAPH1	rs60011869	S16	NA	1.04E-05	1	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs150765570S7	DIAPH1	rs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs150765570S7	DIAPH1	rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs150765570S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs150765570S7	DIAPH1	rs73283603	S7	ZWINT	1.90E-06	1	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs150765570S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs150765570S7	DIAPH1	rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs150765570S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs150765570S7	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs150765570S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs150765570S7	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs150765570S7	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs150765570S7	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs150765570S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs150765570S7	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs150765570S7	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs150765570S7	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs150765570S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs150765570S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150765570S7	DIAPH1	rs77845645	S21	NA	1.53E-06	1	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs150765570S7	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs150765570S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs150765570S7	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs150765570S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs150765570S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs150765570S7	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs150765570S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs150765570S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs150765570S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs150765570S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10

phe.Fasting_rs150765570S7	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs150916187S4	HIST1H2BK	rs114334325S7	AP3M2	1.19E-16	4.86E-09	4.89E-13	4.44E-07	1	5.36E-04
phe.Fasting_rs150916187S4	HIST1H2BK	rs114394395S7	AP3M2	1.19E-16	4.86E-09	4.89E-13	4.44E-07	1	5.36E-04
phe.Fasting_rs150916187S4	HIST1H2BK	rs114565620S8	RCL1	9.38E-17	3.83E-09	4.04E-13	4.82E-16	1.96E-08	1.16E-11
phe.Fasting_rs150916187S4	HIST1H2BK	rs115305957S23	NA	6.22E-18	2.54E-10	7.57E-14	7.05E-07	1	8.21E-04
phe.Fasting_rs150916187S4	HIST1H2BK	rs115787552S5	KPNA3	2.90E-16	1.19E-08	9.67E-13	1.02E-11	0.000415894	3.78E-08
phe.Fasting_rs150916187S4	HIST1H2BK	rs115888477S8	NA	1.04E-15	4.26E-08	3.08E-12	2.83E-09	0.115258	6.02E-06
phe.Fasting_rs150916187S4	HIST1H2BK	rs116011837S9	BRD2	2.41E-18	9.85E-11	4.50E-14	1.77E-08	0.72033	3.08E-05
phe.Fasting_rs150916187S4	HIST1H2BK	rs116079984S8	KPNA3	2.90E-16	1.19E-08	9.67E-13	1.28E-11	0.000521901	4.69E-08
phe.Fasting_rs150916187S4	HIST1H2BK	rs116120727S9	BRD2	2.41E-18	9.85E-11	4.50E-14	1.77E-08	0.72033	3.08E-05
phe.Fasting_rs150916187S4	HIST1H2BK	rs116406581S2	NA	5.15E-16	2.10E-08	1.62E-12	3.08E-07	1	3.88E-04
phe.Fasting_rs150916187S4	HIST1H2BK	rs116696844S3	AP3M2	2.23E-16	9.11E-09	7.61E-13	4.44E-07	1	5.36E-04
phe.Fasting_rs150916187S4	HIST1H2BK	rs140524622S7	MRPL10	5.11E-18	2.09E-10	6.90E-14	1.24E-07	1	1.73E-04
phe.Fasting_rs150916187S4	HIST1H2BK	rs141926074S8	ATE1	3.84E-18	1.57E-10	5.85E-14	1.14E-05	1	9.06E-03
phe.Fasting_rs150916187S4	HIST1H2BK	rs146815317S5	KPNA3	2.90E-16	1.19E-08	9.67E-13	1.02E-11	0.000415894	3.78E-08
phe.Fasting_rs150916187S4	HIST1H2BK	rs150117838S8	KPNA3	2.90E-16	1.19E-08	9.67E-13	9.76E-12	0.000397184	3.62E-08
phe.Fasting_rs150916187S4	HIST1H2BK	rs7004597 S8	NA	1.19E-16	4.86E-09	4.89E-13	2.85E-07	1	3.62E-04
phe.Fasting_rs150916187S4	HIST1H2BK	rs73619637 S8	NA	4.29E-06	1	2.18E-03	1.05E-08	0.426866	1.93E-05
phe.Fasting_rs150916187S4	HIST1H2BK	rs74701059 S24	C17orf102	6.27E-18	2.56E-10	7.62E-14	7.93E-07	1	9.14E-04
phe.Fasting_rs150916187S4	HIST1H2BK	rs75350765 S5	RCL1	9.38E-17	3.83E-09	4.04E-13	4.82E-16	1.96E-08	1.16E-11
phe.Fasting_rs150916187S4	HIST1H2BK	rs77798597 S7	KPNA3	2.90E-16	1.19E-08	9.67E-13	9.76E-12	0.000397184	3.62E-08
phe.Fasting_rs150916187S4	HIST1H2BK	rs78353402 S8	AP3M2	1.19E-16	4.86E-09	4.89E-13	4.44E-07	1	5.36E-04
phe.Fasting_rs150916187S4	HIST1H2BK	rs78736524 S5	KPNA3	2.90E-16	1.19E-08	9.67E-13	1.02E-11	0.000415894	3.78E-08
phe.Fasting_rs150916187S4	HIST1H2BK	rs79703349 S24	C17orf102	6.27E-18	2.56E-10	7.62E-14	9.92E-07	1	1.12E-03
phe.Fasting_rs150916187S4	HIST1H2BK	rs79781495 S8	KPNA3	2.90E-16	1.19E-08	9.67E-13	9.76E-12	0.000397184	3.62E-08
phe.Fasting_rs150916187S4	HIST1H2BK	rs80332465 S5	KPNA3	3.13E-16	1.28E-08	1.04E-12	1.03E-11	0.000421273	3.83E-08
phe.Fasting_rs150916187S4	HIST1H2BK	rs80334773 S5	KPNA3	3.13E-16	1.28E-08	1.04E-12	1.03E-11	0.000421273	3.83E-08
phe.Fasting_rs150992994S11	"PCDHGA5,Prs111576333S5		TMEM64	2.49E-06	1.00E+00	1.35E-03	5.77E-14	2.35E-06	3.96E-10
phe.Fasting_rs150992994S11	"PCDHGA5,Prs112089881S8		ZFAND4	2.12E-17	8.66E-10	1.43E-13	9.69E-10	0.0394568	2.30E-06
phe.Fasting_rs150992994S11	"PCDHGA5,Prs112091318S5		TMEM64	7.71E-07	1.00E+00	4.81E-04	3.78E-08	1	5.95E-05
phe.Fasting_rs150992994S11	"PCDHGA5,Prs114334325S7		AP3M2	4.86E-15	1.98E-07	1.27E-11	1.27E-05	1	9.82E-03
phe.Fasting_rs150992994S11	"PCDHGA5,Prs114394395S7		AP3M2	5.19E-15	2.12E-07	1.35E-11	1.27E-05	1	9.82E-03
phe.Fasting_rs150992994S11	"PCDHGA5,Prs114565620S8		RCL1	1.86E-16	7.60E-09	6.51E-13	3.54E-08	1	5.62E-05
phe.Fasting_rs150992994S11	"PCDHGA5,Prs115083290S19		NA	4.46E-16	1.82E-08	1.43E-12	1.26E-08	0.514031	2.29E-05
phe.Fasting_rs150992994S11	"PCDHGA5,Prs115752779S19		NA	4.46E-16	1.82E-08	1.43E-12	1.26E-08	0.514031	2.29E-05
phe.Fasting_rs150992994S11	"PCDHGA5,Prs115787552S5		KPNA3	3.03E-15	1.24E-07	8.30E-12	1.11E-13	4.53E-06	6.88E-10
phe.Fasting_rs150992994S11	"PCDHGA5,Prs115888477S8		NA	2.06E-14	8.42E-07	5.10E-11	2.09E-14	8.49E-07	1.66E-10
phe.Fasting_rs150992994S11	"PCDHGA5,Prs116011837S9		BRD2	5.03E-11	0.00205601	6.81E-08	3.85E-14	1.57E-06	2.76E-10
phe.Fasting_rs150992994S11	"PCDHGA5,Prs116079984S8		KPNA3	3.03E-15	1.24E-07	8.30E-12	1.16E-13	4.73E-06	7.06E-10
phe.Fasting_rs150992994S11	"PCDHGA5,Prs116120727S9		BRD2	5.03E-11	0.00205601	6.81E-08	3.85E-14	1.57E-06	2.76E-10

phe.Fasting_rs150992994 S11	"PCDHGA5,Prs116406581 S2	NA	1.96E-14	7.99E-07	4.87E-11	7.76E-06	1	6.60E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs116548615 S8	TMEM45B	1.86E-16	7.59E-09	6.50E-13	2.35E-11	0.000956989	8.18E-08
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs116696844 S3	AP3M2	7.46E-15	3.05E-07	1.92E-11	1.27E-05	1	9.82E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs11989304 S4	TMEM64	2.49E-06	1	1.35E-03	6.52E-11	0.00265263	2.06E-07
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs140524622 S7	MRPL10	1.12E-16	4.56E-09	4.69E-13	6.56E-06	1	5.74E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs146815317 S5	KPNA3	3.03E-15	1.24E-07	8.30E-12	1.11E-13	4.53E-06	6.88E-10
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs150117838 S8	KPNA3	3.03E-15	1.24E-07	8.30E-12	1.03E-13	4.19E-06	6.54E-10
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs150916187 S4	HIST1H2BK	1.41E-05	1	6.16E-03	1.32E-14	5.38E-07	1.13E-10
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs16894241 S4	HIST1H2BK	2.02E-11	0.000826881	3.01E-08	3.27E-14	1.33E-06	2.40E-10
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs2000418 S7	TTC3	3.25E-10	0.0132901	3.87E-07	1.25E-05	1	9.69E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs2032062 S8	NA	1.16E-14	4.72E-07	2.94E-11	1.46E-06	1	1.58E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs2153597 S8	ZNF438	5.56E-11	2.27E-03	7.48E-08	4.15E-11	0.00168769	1.37E-07
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs2257163 S7	TTC3	2.88E-10	1.18E-02	3.47E-07	1.26E-05	1	9.75E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs2298326 S7	TTC3	3.82E-10	1.56E-02	4.45E-07	1.26E-05	1	9.75E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs2835632 S7	TTC3	2.88E-10	1.18E-02	3.47E-07	1.26E-05	1	9.75E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs2835656 S7	TTC3	2.85E-10	1.16E-02	3.43E-07	1.59E-06	1	1.69E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs34801978 S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	3.93E-07	1	4.81E-04
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs352346 S3	GRPEL2	1.90E-11	7.76E-04	2.84E-08	1.60E-06	1	1.71E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs3750898 S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	9.05E-07	1	1.03E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs4732511 S13	POR	2.53E-15	1.03E-07	7.12E-12	1.08E-05	1	8.75E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs57503635 S3	NA	6.55E-16	2.68E-08	2.01E-12	3.12E-14	1.27E-06	2.32E-10
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs58905476 S7	TTC3	3.15E-10	0.0128695	3.75E-07	1.70E-06	1	1.80E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs60011869 S16	NA	1.06E-05	1	0.00483349	7.67E-10	0.0312392	1.89E-06
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs6964407 S7	POR	8.28E-15	3.38E-07	2.12E-11	1.00E-05	1	8.17E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs7004597 S8	NA	4.86E-15	1.98E-07	1.27E-11	7.88E-06	1	6.69E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs7256517 S7	CYTH2	1.08E-15	4.40E-08	3.17E-12	4.57E-12	0.000185844	1.82E-08
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs7275757 S7	TTC3	3.15E-10	0.0128695	3.75E-07	1.23E-05	1	9.59E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs7284020 S7	TTC3	4.15E-10	0.0169598	4.82E-07	1.21E-05	1	9.49E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs73283603 S7	ZWINT	2.00E-06	1	1.12E-03	1.85E-07	1	2.47E-04
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs73391005 S8	TTC3	3.25E-10	0.0132901	3.87E-07	1.26E-05	1	9.75E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs73391173 S8	TTC3	3.25E-10	0.0132901	3.87E-07	1.25E-05	1	9.69E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs73392640 S8	POLR3B	2.01E-10	0.00822221	2.48E-07	4.86E-11	0.00197665	1.57E-07
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs734069 S19	NA	1.96E-08	0.80176	1.74E-05	5.86E-10	0.0238667	1.48E-06
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs73407968 S8	TTC3	3.86E-10	0.0157602	4.50E-07	1.27E-05	1	9.80E-03
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs73619637 S8	NA	1.47E-15	6.01E-08	4.22E-12	1.84E-10	0.00749129	5.27E-07
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs74627895 S8	TMEM64	7.71E-07	1	4.81E-04	1.96E-08	0.799278	3.37E-05
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs74914207 S24	NA	1.47E-10	0.00599338	1.85E-07	1.91E-10	0.00776557	5.44E-07
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs75350765 S5	RCL1	1.86E-16	7.60E-09	6.51E-13	3.54E-08	1	5.62E-05
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs75374128 S5	CNTLN	1.51E-16	6.17E-09	5.83E-13	9.75E-08	1	1.38E-04
phe.Fasting_rs150992994 S11	"PCDHGA5,Prs75506779 S5	TMCO3	5.54E-07	1	3.60E-04	1.06E-08	0.432784	1.96E-05

phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs75758702	S24	NA	7.20E-17	2.94E-09	3.23E-13	1.53E-10	0.00623178	4.53E-07	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs75864203	S8	CNTLN	1.51E-16	6.17E-09	5.83E-13	9.75E-08	1	1.38E-04	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs75949566	S5	TMEM64	2.90E-06	1	1.53E-03	8.13E-11	0.00330767	2.53E-07	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs76844308	S8	CNTLN	7.92E-17	3.24E-09	3.50E-13	9.09E-08	1	1.30E-04	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs7763107	S8	FARS2	5.93E-16	2.42E-08	1.84E-12	8.70E-12	0.000354061	3.26E-08	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs77798597	S7	KPNA3	3.03E-15	1.24E-07	8.30E-12	1.03E-13	4.19E-06	6.54E-10	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs77845645	S21	NA	1.60E-06	1	9.20E-04	4.00E-11	0.00163008	1.32E-07	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs78353402	S8	AP3M2	4.86E-15	1.98E-07	1.27E-11	1.27E-05	1	9.82E-03	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs78516788	S8	SLC38A1	2.69E-11	0.00109941	3.87E-08	2.31E-10	0.00941253	6.43E-07	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.28E-10	0.0255471	1.58E-06	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs78722272	S5	CNTLN	1.51E-16	6.17E-09	5.83E-13	1.02E-07	1	1.43E-04	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs78736524	S5	KPNA3	3.03E-15	1.24E-07	8.30E-12	1.11E-13	4.53E-06	6.88E-10	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs78990344	S2	LOC1005063	2.49E-06	1	1.35E-03	6.52E-11	0.00265263	2.06E-07	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs79781495	S8	KPNA3	3.03E-15	1.24E-07	8.30E-12	1.03E-13	4.19E-06	6.54E-10	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs80200953	S8	PPP2R5D	8.66E-17	3.54E-09	3.76E-13	3.42E-09	0.139361	7.15E-06	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs80332465	S5	KPNA3	3.20E-15	1.31E-07	8.70E-12	1.11E-13	4.51E-06	6.85E-10	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs80334773	S5	KPNA3	3.20E-15	1.31E-07	8.70E-12	1.11E-13	4.51E-06	6.85E-10	
phe.Fasting_	rs150992994	S11	"PCDHGA5,Prs891061	S7	POP4	1.05E-07	1	7.94E-05	3.01E-06	1	2.94E-03	
phe.Fasting_	rs151204700	S8	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_	rs151204700	S8	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_	rs151204700	S8	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_	rs151204700	S8	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs151204700	S8	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs151204700	S8	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_	rs151204700	S8	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_	rs151204700	S8	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_	rs151204700	S8	DIAPH1	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_	rs151204700	S8	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs151204700	S8	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_	rs151204700	S8	DIAPH1	rs116011837	S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs151204700	S8	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs151204700	S8	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_	rs151204700	S8	DIAPH1	rs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_	rs151204700	S8	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_	rs151204700	S8	DIAPH1	rs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_	rs151204700	S8	DIAPH1	rs11989304	S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_	rs151204700	S8	DIAPH1	rs140524622	S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_	rs151204700	S8	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_	rs151204700	S8	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_	rs151204700	S8	DIAPH1	rs150916187	S4	HIST1H2BK	1.38E-05	1	6.05E-03	1.37E-14	5.59E-07	1.16E-10



phe.Fasting_rs151204700S8	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs151204700S8	DIAPH1	rs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs151204700S8	DIAPH1	rs2153597	S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs151204700S8	DIAPH1	rs2835656	S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs151204700S8	DIAPH1	rs34801978	S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs151204700S8	DIAPH1	rs352346	S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs151204700S8	DIAPH1	rs3750898	S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs151204700S8	DIAPH1	rs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs151204700S8	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs151204700S8	DIAPH1	rs58905476	S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs151204700S8	DIAPH1	rs60011869	S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs151204700S8	DIAPH1	rs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs151204700S8	DIAPH1	rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs151204700S8	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs151204700S8	DIAPH1	rs73283603	S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs151204700S8	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs151204700S8	DIAPH1	rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs151204700S8	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs151204700S8	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs151204700S8	DIAPH1	rs74914207	S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs151204700S8	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs151204700S8	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs151204700S8	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs151204700S8	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs151204700S8	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs151204700S8	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs151204700S8	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs151204700S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs151204700S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs151204700S8	DIAPH1	rs77845645	S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs151204700S8	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs151204700S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs151204700S8	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs151204700S8	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs151204700S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs151204700S8	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs151204700S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs151204700S8	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs151204700S8	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs151204700S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10

phe.Fasting_rs151204700S8	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs151330468S8	DIAPH1	rs111576333S5	TMEM64	5.56E-07	1	3.61E-04	8.30E-15	3.38E-07	7.30E-11
phe.Fasting_rs151330468S8	DIAPH1	rs112089881S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	2.00E-10	0.0081353	5.68E-07
phe.Fasting_rs151330468S8	DIAPH1	rs112091318S5	TMEM64	1.64E-07	1	1.18E-04	9.23E-09	0.375672	1.74E-05
phe.Fasting_rs151330468S8	DIAPH1	rs114334325S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs151330468S8	DIAPH1	rs114394395S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs151330468S8	DIAPH1	rs114565620S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.22E-09	0.334664	1.57E-05
phe.Fasting_rs151330468S8	DIAPH1	rs115083290S19	NA	8.17E-17	3.34E-09	3.58E-13	2.95E-09	0.120139	6.26E-06
phe.Fasting_rs151330468S8	DIAPH1	rs115752779S19	NA	8.17E-17	3.34E-09	3.58E-13	2.95E-09	0.120139	6.26E-06
phe.Fasting_rs151330468S8	DIAPH1	rs115787552S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs151330468S8	DIAPH1	rs115888477S8	NA	3.68E-15	1.50E-07	9.90E-12	4.39E-15	1.79E-07	4.08E-11
phe.Fasting_rs151330468S8	DIAPH1	rs116011837S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs151330468S8	DIAPH1	rs116079984S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs151330468S8	DIAPH1	rs116120727S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.42E-15	3.84E-07	8.18E-11
phe.Fasting_rs151330468S8	DIAPH1	rs116406581S2	NA	5.24E-15	2.14E-07	1.36E-11	5.55E-08	1	8.42E-05
phe.Fasting_rs151330468S8	DIAPH1	rs116548615S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.84E-12	7.48E-05	8.04E-09
phe.Fasting_rs151330468S8	DIAPH1	rs116696844S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	9.18E-08	1	1.31E-04
phe.Fasting_rs151330468S8	DIAPH1	rs11989304 S4	TMEM64	5.56E-07	1.00E+00	3.61E-04	1.15E-11	0.000469077	4.23E-08
phe.Fasting_rs151330468S8	DIAPH1	rs140524622S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.85E-06	1	2.80E-03
phe.Fasting_rs151330468S8	DIAPH1	rs146815317S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10
phe.Fasting_rs151330468S8	DIAPH1	rs150117838S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10
phe.Fasting_rs151330468S8	DIAPH1	rs150916187S4	HIST1H2BK	4.14E-06	1.00E+00	2.11E-03	2.81E-15	1.14E-07	2.72E-11
phe.Fasting_rs151330468S8	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	1.52E-04	6.73E-09	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs151330468S8	DIAPH1	rs34801978 S3	HOXB2	2.19E-06	1.00E+00	1.21E-03	2.24E-09	0.0911397	4.89E-06
phe.Fasting_rs151330468S8	DIAPH1	rs4732511 S13	POR	9.61E-15	3.93E-07	2.45E-11	2.90E-06	1	2.84E-03
phe.Fasting_rs151330468S8	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	7.18E-15	2.92E-07	6.39E-11
phe.Fasting_rs151330468S8	DIAPH1	rs60011869 S16	NA	2.13E-06	1.00E+00	1.18E-03	1.84E-07	1	2.46E-04
phe.Fasting_rs151330468S8	DIAPH1	rs6964407 S7	POR	3.32E-14	1.36E-06	8.04E-11	2.65E-06	1	2.63E-03
phe.Fasting_rs151330468S8	DIAPH1	rs7004597 S8	NA	1.25E-15	5.12E-08	3.65E-12	5.36E-08	1	8.16E-05
phe.Fasting_rs151330468S8	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	1.01E-12	4.13E-05	4.74E-09
phe.Fasting_rs151330468S8	DIAPH1	rs73283603 S7	ZWINT	4.49E-07	1.00E+00	2.97E-04	4.87E-08	1	7.49E-05
phe.Fasting_rs151330468S8	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	1.87E-03	6.24E-08	1.10E-11	0.000446024	4.04E-08
phe.Fasting_rs151330468S8	DIAPH1	rs73619637 S8	NA	2.00E-16	8.15E-09	6.95E-13	6.56E-08	1	9.80E-05
phe.Fasting_rs151330468S8	DIAPH1	rs74627895 S8	TMEM64	1.64E-07	1	0.000118218	4.43E-09	0.180369	9.00E-06
phe.Fasting_rs151330468S8	DIAPH1	rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.71E-11	0.000696754	6.13E-08
phe.Fasting_rs151330468S8	DIAPH1	rs75350765 S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.22E-09	0.334664	1.57E-05
phe.Fasting_rs151330468S8	DIAPH1	rs75374128 S5	CNTLN	5.25E-06	1	0.00259743	1.90E-08	0.773981	3.28E-05
phe.Fasting_rs151330468S8	DIAPH1	rs75506779 S5	TMCO3	1.04E-07	1.00E+00	7.88E-05	2.35E-09	0.0955642	5.10E-06
phe.Fasting_rs151330468S8	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.90E-11	0.00117848	9.92E-08
phe.Fasting_rs151330468S8	DIAPH1	rs75864203 S8	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.90E-08	0.773981	3.28E-05

phe.Fasting_rs151330468S8	DIAPH1	rs75949566	S5	TMEM64	6.52E-07	1.00E+00	4.16E-04	1.56E-11	0.000636403	5.61E-08	
phe.Fasting_rs151330468S8	DIAPH1	rs76844308	S8	CNTLN	2.67E-06	1.00E+00	1.44E-03	1.85E-08	0.754334	3.21E-05	
phe.Fasting_rs151330468S8	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.67E-12	6.82E-05	7.43E-09	
phe.Fasting_rs151330468S8	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10	
phe.Fasting_rs151330468S8	DIAPH1	rs77845645	S21	NA	3.35E-07	1	0.000229183	1.07E-11	0.000437137	3.97E-08	
phe.Fasting_rs151330468S8	DIAPH1	rs78353402	S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	9.18E-08	1	1.31E-04	
phe.Fasting_rs151330468S8	DIAPH1	rs78516788	S8	SLC38A1	1.24E-06	1	0.000737575	2.73E-09	0.111147	5.83E-06	
phe.Fasting_rs151330468S8	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.49E-10	0.00608249	4.45E-07	
phe.Fasting_rs151330468S8	DIAPH1	rs78703708	S7	FAF2	7.40E-12	0.000302252	1.27E-08	7.23E-06	1	6.23E-03	
phe.Fasting_rs151330468S8	DIAPH1	rs78722272	S5	CNTLN	5.25E-06	1	0.00259743	1.95E-08	0.795481	3.36E-05	
phe.Fasting_rs151330468S8	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.49E-14	1.01E-06	1.89E-10	
phe.Fasting_rs151330468S8	DIAPH1	rs78990344	S2	LOC1005063	5.56E-07	1	0.000361481	1.15E-11	0.000469077	4.23E-08	
phe.Fasting_rs151330468S8	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.30E-14	9.36E-07	1.79E-10	
phe.Fasting_rs151330468S8	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.95E-10	0.0364115	2.15E-06	
phe.Fasting_rs151330468S8	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10	
phe.Fasting_rs151330468S8	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.47E-14	1.00E-06	1.88E-10	
phe.Fasting_rs151330468S8	DIAPH1	rs891061	S7	POP4	6.59E-07	1	4.20E-04	1.12E-05	1	8.91E-03	
phe.Fasting_rs1614182	S7	IFI16	rs140524622	MRPL10	5.45E-06	1	2.68E-03	1.31E-06	1	1.44E-03	
phe.Fasting_rs1616024	S7	IFI16	rs140524622	MRPL10	6.75E-06	1	3.25E-03	2.48E-07	1	3.20E-04	
phe.Fasting_rs1633262	S7	IFI16	rs140524622	MRPL10	6.41E-06	1	3.10E-03	1.30E-06	1	1.43E-03	
phe.Fasting_rs16827981	S6	LUZP1	rs112348319	SPTLC1	5.10E-06	1	2.53E-03	4.03E-07	1	4.91E-04	
phe.Fasting_rs16827981	S6	LUZP1	rs112608164	SPTLC1	5.10E-06	1	2.53E-03	4.03E-07	1	4.91E-04	
phe.Fasting_rs16827981	S6	LUZP1	rs113568654	S12	SPTLC1	4.76E-06	1	2.38E-03	3.02E-06	1	2.94E-03
phe.Fasting_rs16827981	S6	LUZP1	rs76542405	S5	SPTLC1	5.10E-06	1	2.53E-03	4.03E-07	1	4.91E-04
phe.Fasting_rs16827981	S6	LUZP1	rs77523818	S7	SPTLC1	5.10E-06	1	2.53E-03	4.03E-07	1	4.91E-04
phe.Fasting_rs16833550	S5	MYO1B	rs112027720	S7	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs113219478	S7	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs113357907	S24	ISL1	1.90E-17	7.77E-10	1.37E-13	1.45E-14	5.92E-07	1.23E-10
phe.Fasting_rs16833550	S5	MYO1B	rs114565620	S8	RCL1	1.73E-05	1	7.33E-03	1.17E-05	1	9.26E-03
phe.Fasting_rs16833550	S5	MYO1B	rs115787552	S5	KPNA3	7.96E-16	3.25E-08	2.41E-12	5.07E-06	1	4.63E-03
phe.Fasting_rs16833550	S5	MYO1B	rs115888477	S8	NA	5.60E-15	2.29E-07	1.45E-11	1.26E-06	1	1.38E-03
phe.Fasting_rs16833550	S5	MYO1B	rs116011837	S9	BRD2	1.04E-11	0.000425035	1.65E-08	3.69E-09	0.150118	7.62E-06
phe.Fasting_rs16833550	S5	MYO1B	rs116079984	S8	KPNA3	7.96E-16	3.25E-08	2.41E-12	6.36E-06	1	5.60E-03
phe.Fasting_rs16833550	S5	MYO1B	rs116120727	S9	BRD2	1.04E-11	0.000425035	1.65E-08	3.69E-09	0.150118	7.62E-06
phe.Fasting_rs16833550	S5	MYO1B	rs116279995	S20	"PCDHGA4,P	9.06E-07	1	5.55E-04	1.49E-11	0.000607459	5.38E-08
phe.Fasting_rs16833550	S5	MYO1B	rs12488988	S6	PHC3	1.15E-07	1	8.67E-05	5.95E-09	0.242257	1.16E-05
phe.Fasting_rs16833550	S5	MYO1B	rs12492606	S8	PHC3	1.15E-07	1	8.67E-05	5.83E-09	0.237501	1.14E-05
phe.Fasting_rs16833550	S5	MYO1B	rs13400525	S8	MFF	1.77E-16	7.22E-09	6.26E-13	3.64E-10	0.0148356	9.64E-07
phe.Fasting_rs16833550	S5	MYO1B	rs138090701	S5	HDAC3	1.46E-08	0.597843	1.33E-05	3.39E-11	0.001379	1.13E-07
phe.Fasting_rs16833550	S5	MYO1B	rs138136869	S7	DIAPH1	2.62E-08	1	2.27E-05	7.76E-12	0.000315945	2.94E-08

phe.Fasting_rs16833550	S5	MYO1B	rs138457103	S10	DIAPH1	6.37E-08	1	5.10E-05	3.34E-11	0.00135913	1.12E-07
phe.Fasting_rs16833550	S5	MYO1B	rs138487229	S11	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs138738950	S8	"PCDHGB2,PI	9.79E-08	1	7.48E-05	3.10E-11	0.00126244	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs139297927	S8	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs139337303	S8	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs139403963	S8	DIAPH1	2.62E-08	1	2.27E-05	7.76E-12	0.000315945	2.94E-08
phe.Fasting_rs16833550	S5	MYO1B	rs139621309	S18	"LOC1005056	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs139828110	S8	DIAPH1	2.62E-08	1	2.27E-05	7.76E-12	0.000315945	2.94E-08
phe.Fasting_rs16833550	S5	MYO1B	rs140070363	S8	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs140524622	S7	MRPL10	3.17E-17	1.30E-09	1.78E-13	4.05E-08	1	6.34E-05
phe.Fasting_rs16833550	S5	MYO1B	rs140644750	S13	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs141022544	S8	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs141525984	S5	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs141692339	S3	"PCDHGA6,PI	1.02E-06	1	6.18E-04	2.14E-11	0.000870877	7.53E-08
phe.Fasting_rs16833550	S5	MYO1B	rs141926074	S8	ATE1	3.10E-18	1.27E-10	5.31E-14	1.61E-11	0.000654267	5.76E-08
phe.Fasting_rs16833550	S5	MYO1B	rs142480565	S8	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs142718558	S7	"DIAPH1,LOC	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs142789100	S8	DIAPH1	2.62E-08	1	2.27E-05	7.76E-12	0.000315945	2.94E-08
phe.Fasting_rs16833550	S5	MYO1B	rs142812798	S7	DIAPH1	2.62E-08	1	2.27E-05	7.76E-12	0.000315945	2.94E-08
phe.Fasting_rs16833550	S5	MYO1B	rs143377827	S13	"DIAPH1,LOC	2.28E-08	9.32E-01	2.00E-05	5.87E-12	0.000238849	2.28E-08
phe.Fasting_rs16833550	S5	MYO1B	rs143691978	S11	DIAPH1	2.62E-08	1.00E+00	2.27E-05	8.27E-12	0.000336532	3.11E-08
phe.Fasting_rs16833550	S5	MYO1B	rs144081334	S11	DIAPH1	2.62E-08	1.00E+00	2.27E-05	8.27E-12	0.000336532	3.11E-08
phe.Fasting_rs16833550	S5	MYO1B	rs144613910	S8	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs145027704	S11	DIAPH1	2.62E-08	1.00E+00	2.27E-05	8.27E-12	0.000336532	3.11E-08
phe.Fasting_rs16833550	S5	MYO1B	rs146220673	S7	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs146622060	S13	DIAPH1	2.62E-08	1.00E+00	2.27E-05	8.27E-12	0.000336532	3.11E-08
phe.Fasting_rs16833550	S5	MYO1B	rs146815317	S5	KPNA3	7.96E-16	3.25E-08	2.41E-12	5.07E-06	1	4.63E-03
phe.Fasting_rs16833550	S5	MYO1B	rs146878162	S7	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs147314451	S8	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs147417996	S7	DIAPH1	2.62E-08	1.00E+00	2.27E-05	8.27E-12	0.000336532	3.11E-08
phe.Fasting_rs16833550	S5	MYO1B	rs147506725	S21	"PCDHGA1,PI	9.06E-07	1.00E+00	5.55E-04	1.49E-11	0.000607459	5.38E-08
phe.Fasting_rs16833550	S5	MYO1B	rs147646948	S7	"LOC1005056	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs147677041	S8	DIAPH1	2.62E-08	1.00E+00	2.27E-05	7.76E-12	0.000315945	2.94E-08
phe.Fasting_rs16833550	S5	MYO1B	rs148116628	S7	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs148423011	S7	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs149019627	S8	DIAPH1	2.62E-08	1.00E+00	2.27E-05	7.76E-12	0.000315945	2.94E-08
phe.Fasting_rs16833550	S5	MYO1B	rs149075406	S8	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs149334783	S8	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs149553852	S21	"PCDHGA10,PI	9.06E-07	1.00E+00	5.55E-04	1.49E-11	0.000607459	5.38E-08
phe.Fasting_rs16833550	S5	MYO1B	rs149716949	S5	DIAPH1	1.08E-08	4.40E-01	9.98E-06	3.36E-12	0.000136691	1.42E-08

phe.Fasting_rs16833550	S5	MYO1B	rs149791570	S5	DIAPH1	2.62E-08	1.00E+00	2.27E-05	7.76E-12	0.000315945	2.94E-08
phe.Fasting_rs16833550	S5	MYO1B	rs150117838	S8	KPNA3	7.96E-16	3.25E-08	2.41E-12	5.07E-06	1	4.62E-03
phe.Fasting_rs16833550	S5	MYO1B	rs150452206	S13	"DIAPH1,LOC	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs150675915	S7	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs150765570	S7	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs150992994	S11	"PCDHGA5,PI	1.03E-07	1.00E+00	7.84E-05	2.99E-11	0.00121833	1.02E-07
phe.Fasting_rs16833550	S5	MYO1B	rs151204700	S8	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs151330468	S8	DIAPH1	2.62E-08	1.00E+00	2.27E-05	8.27E-12	0.000336532	3.11E-08
phe.Fasting_rs16833550	S5	MYO1B	rs16854875	S2	NA	8.80E-08	1.00E+00	6.80E-05	1.69E-06	1	1.79E-03
phe.Fasting_rs16833550	S5	MYO1B	rs17236830	S6	PHC3	2.07E-07	1.00E+00	1.47E-04	7.39E-09	0.300856	1.42E-05
phe.Fasting_rs16833550	S5	MYO1B	rs180772028	S8	"DIAPH1,LOC	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs181224861	S7	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs181247960	S21	"PCDHGA9,PI	9.06E-07	1.00E+00	5.55E-04	1.49E-11	0.000607459	5.38E-08
phe.Fasting_rs16833550	S5	MYO1B	rs181824655	S21	"PCDHGB6,PI	9.06E-07	1.00E+00	5.55E-04	1.49E-11	0.000607459	5.38E-08
phe.Fasting_rs16833550	S5	MYO1B	rs182714699	S8	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs182958142	S8	DIAPH1	1.43E-07	1.00E+00	1.05E-04	3.11E-12	0.00012643	1.32E-08
phe.Fasting_rs16833550	S5	MYO1B	rs182965141	S8	DIAPH1	2.83E-08	1.00E+00	2.44E-05	2.36E-09	0.0961546	5.11E-06
phe.Fasting_rs16833550	S5	MYO1B	rs183597049	S7	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs183980988	S2	NA	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs184233232	S7	DIAPH1	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs184509477	S13	"PCDHGB4,PI	9.79E-08	1.00E+00	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs185069296	S15	"LOC1005056	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs185502834	S8	DIAPH1	2.62E-08	1	2.27E-05	7.76E-12	0.000315945	2.94E-08
phe.Fasting_rs16833550	S5	MYO1B	rs185759881	S7	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs186288044	S21	"PCDHGB4,PI	9.06E-07	0.000554629	1.49E-11	0.000607459	5.38E-08	
phe.Fasting_rs16833550	S5	MYO1B	rs187000011	S11	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs188981295	S5	"RPS27AP10,	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs190559574	S7	DIAPH1	2.62E-08	1	2.27E-05	7.76E-12	0.000315945	2.94E-08
phe.Fasting_rs16833550	S5	MYO1B	rs191544043	S8	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs191766712	S7	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs192690040	S7	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs192765219	S7	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs192770525	S7	DIAPH1	9.79E-08	1	7.48E-05	3.09E-11	0.0012588	1.05E-07
phe.Fasting_rs16833550	S5	MYO1B	rs2241292	S8	GPR160	1.19E-07	1	8.92E-05	9.16E-09	0.372765	1.73E-05
phe.Fasting_rs16833550	S5	MYO1B	rs35990401	S7	DIAPH1	1.02E-07	1	7.74E-05	1.07E-11	0.000434617	3.95E-08
phe.Fasting_rs16833550	S5	MYO1B	rs3772186	S6	PHC3	1.15E-07	1	8.67E-05	5.83E-09	0.237501	1.14E-05
phe.Fasting_rs16833550	S5	MYO1B	rs55900860	S7	DIAPH1	2.62E-08	1	2.27E-05	7.76E-12	0.000315945	2.94E-08
phe.Fasting_rs16833550	S5	MYO1B	rs57287019	S5	CLCN3	7.14E-12	0.000291407	1.23E-08	9.10E-06	1	7.56E-03
phe.Fasting_rs16833550	S5	MYO1B	rs57503635	S3	NA	1.57E-07	1.00E+00	1.14E-04	2.65E-06	1	2.63E-03
phe.Fasting_rs16833550	S5	MYO1B	rs58417766	S7	PHC3	1.15E-07	1	8.67E-05	5.83E-09	0.237501	1.14E-05

phe.Fasting_rs16833550	S5	MYO1B	rs6763396	S5	PHC3	1.26E-07	1	9.39E-05	5.97E-09	0.242942	1.16E-05
phe.Fasting_rs16833550	S5	MYO1B	rs6781454	S8	PHC3	1.18E-07	1	8.83E-05	5.93E-09	0.241483	1.15E-05
phe.Fasting_rs16833550	S5	MYO1B	rs6786022	S8	PHC3	1.97E-07	1.00E+00	1.41E-04	7.21E-09	0.293397	1.39E-05
phe.Fasting_rs16833550	S5	MYO1B	rs6808506	S7	PHC3	1.15E-07	1.00E+00	8.67E-05	5.83E-09	0.237501	1.14E-05
phe.Fasting_rs16833550	S5	MYO1B	rs6881310	S23	ISL1	1.28E-16	5.24E-09	5.19E-13	6.78E-12	0.000276007	2.61E-08
phe.Fasting_rs16833550	S5	MYO1B	rs7256517	S7	CYTH2	5.50E-06	1	0.00270228	4.49E-06	1	4.17E-03
phe.Fasting_rs16833550	S5	MYO1B	rs73619637	S8	NA	2.17E-07	1	0.000153959	3.42E-15	1.39E-07	3.27E-11
phe.Fasting_rs16833550	S5	MYO1B	rs73879173	S8	PHC3	1.15E-07	1	8.67E-05	5.83E-09	0.237501	1.14E-05
phe.Fasting_rs16833550	S5	MYO1B	rs73879178	S10	PHC3	1.97E-07	1	0.000140847	7.21E-09	0.293397	1.39E-05
phe.Fasting_rs16833550	S5	MYO1B	rs73879182	S6	PHC3	1.15E-07	1	8.67E-05	5.83E-09	0.237501	1.14E-05
phe.Fasting_rs16833550	S5	MYO1B	rs75350765	S5	RCL1	1.73E-05	1	0.00732632	1.17E-05	1	9.26E-03
phe.Fasting_rs16833550	S5	MYO1B	rs75758702	S24	NA	1.75E-17	7.14E-10	1.30E-13	1.81E-11	0.00073509	6.44E-08
phe.Fasting_rs16833550	S5	MYO1B	rs76146702	S5	PHC3	1.29E-07	1	9.54E-05	3.54E-09	0.143964	7.36E-06
phe.Fasting_rs16833550	S5	MYO1B	rs7615039	S8	PHC3	1.04E-07	1	7.87E-05	8.80E-09	0.358195	1.66E-05
phe.Fasting_rs16833550	S5	MYO1B	rs7638400	S7	PHC3	1.15E-07	1	8.67E-05	5.83E-09	0.237501	1.14E-05
phe.Fasting_rs16833550	S5	MYO1B	rs76737663	S1	LOC654841	2.11E-16	8.60E-09	7.21E-13	4.11E-09	0.167446	8.42E-06
phe.Fasting_rs16833550	S5	MYO1B	rs77444916	S23	LOC642366	4.42E-17	1.80E-09	2.29E-13	1.38E-14	5.64E-07	1.17E-10
phe.Fasting_rs16833550	S5	MYO1B	rs77798597	S7	KPNA3	7.96E-16	3.25E-08	2.41E-12	5.07E-06	1	4.62E-03
phe.Fasting_rs16833550	S5	MYO1B	rs78516788	S8	SLC38A1	1.55E-06	1	0.000897933	1.95E-10	0.00793647	5.55E-07
phe.Fasting_rs16833550	S5	MYO1B	rs78736524	S5	KPNA3	7.96E-16	3.25E-08	2.41E-12	5.07E-06	1	4.63E-03
phe.Fasting_rs16833550	S5	MYO1B	rs79389383	S8	PHC3	1.18E-07	1	8.83E-05	5.93E-09	0.241483	1.15E-05
phe.Fasting_rs16833550	S5	MYO1B	rs79517926	S15	"DIAPH1,LOC	3.50E-08	1	2.97E-05	4.03E-12	0.000164122	1.65E-08
phe.Fasting_rs16833550	S5	MYO1B	rs79518241	S6	PHC3	1.15E-07	1	8.67E-05	5.83E-09	0.237501	1.14E-05
phe.Fasting_rs16833550	S5	MYO1B	rs79781495	S8	KPNA3	7.96E-16	3.25E-08	2.41E-12	5.07E-06	1	4.62E-03
phe.Fasting_rs16833550	S5	MYO1B	rs80258830	S24	LOC642366	4.42E-17	1.80E-09	2.29E-13	1.38E-14	5.64E-07	1.17E-10
phe.Fasting_rs16833550	S5	MYO1B	rs80332465	S5	KPNA3	8.49E-16	3.47E-08	2.54E-12	5.25E-06	1	4.77E-03
phe.Fasting_rs16833550	S5	MYO1B	rs80334773	S5	KPNA3	8.49E-16	3.47E-08	2.54E-12	5.25E-06	1	4.77E-03
phe.Fasting_rs16833551	S5	MYO1B	rs111576333	S5	TMEM64	3.09E-07	1	0.000212884	1.92E-06	1	2.00E-03
phe.Fasting_rs16833551	S5	MYO1B	rs112027720	S7	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs112089881	S8	ZFAND4	2.84E-17	1.16E-09	1.64E-13	6.33E-17	2.58E-09	4.34E-12
phe.Fasting_rs16833551	S5	MYO1B	rs112091318	S5	TMEM64	7.05E-08	1	5.58E-05	2.35E-06	1	2.37E-03
phe.Fasting_rs16833551	S5	MYO1B	rs113219478	S7	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs113357907	S24	ISL1	9.39E-17	3.83E-09	4.04E-13	2.87E-14	1.17E-06	2.15E-10
phe.Fasting_rs16833551	S5	MYO1B	rs115787552	S5	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.67E-14	6.81E-07	1.39E-10
phe.Fasting_rs16833551	S5	MYO1B	rs115888477	S8	NA	2.34E-14	9.54E-07	5.76E-11	2.76E-15	1.12E-07	2.68E-11
phe.Fasting_rs16833551	S5	MYO1B	rs116011837	S9	BRD2	5.08E-11	0.00207636	6.87E-08	7.52E-09	0.305956	1.44E-05
phe.Fasting_rs16833551	S5	MYO1B	rs116079984	S8	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.99E-14	8.11E-07	1.60E-10
phe.Fasting_rs16833551	S5	MYO1B	rs116120727	S9	BRD2	5.08E-11	0.00207636	6.87E-08	7.52E-09	0.305956	1.44E-05
phe.Fasting_rs16833551	S5	MYO1B	rs116279995	S20	"PCDHGA4,PI	4.89E-06	1	2.44E-03	3.26E-11	0.00132645	1.09E-07
phe.Fasting_rs16833551	S5	MYO1B	rs11989304	S4	TMEM64	3.09E-07	1	2.13E-04	1.88E-06	1	1.96E-03

phe.Fasting_rs16833551	S5	MYO1B	rs12488988	S6	PHC3	8.15E-07	1	5.07E-04	2.15E-10	0.00874358	6.03E-07
phe.Fasting_rs16833551	S5	MYO1B	rs12492606	S8	PHC3	8.15E-07	1	0.000506657	2.10E-10	0.0085648	5.91E-07
phe.Fasting_rs16833551	S5	MYO1B	rs13400525	S8	MFF	2.55E-15	1.04E-07	7.15E-12	1.56E-09	0.0636724	3.54E-06
phe.Fasting_rs16833551	S5	MYO1B	rs138090701	S5	HDAC3	6.94E-08	1	5.50E-05	7.40E-11	0.00301316	2.31E-07
phe.Fasting_rs16833551	S5	MYO1B	rs138136869	S7	DIAPH1	1.27E-07	1	9.46E-05	1.73E-11	0.000702612	6.17E-08
phe.Fasting_rs16833551	S5	MYO1B	rs138457103	S10	DIAPH1	2.64E-07	1	0.000184133	6.93E-11	0.00282278	2.18E-07
phe.Fasting_rs16833551	S5	MYO1B	rs138487229	S11	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs138738950	S8	"PCDHGB2,PI	3.86E-07	1	0.000261363	6.30E-11	0.00256404	2.00E-07
phe.Fasting_rs16833551	S5	MYO1B	rs139297927	S8	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs139337303	S8	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs139403963	S8	DIAPH1	1.27E-07	1	9.46E-05	1.73E-11	0.000702612	6.17E-08
phe.Fasting_rs16833551	S5	MYO1B	rs139621309	S18	"LOC100505056	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs139828110	S8	DIAPH1	1.27E-07	1	9.46E-05	1.73E-11	0.000702612	6.17E-08
phe.Fasting_rs16833551	S5	MYO1B	rs140070363	S8	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs140524622	S7	MRPL10	1.33E-16	5.44E-09	5.32E-13	8.46E-08	1	1.22E-04
phe.Fasting_rs16833551	S5	MYO1B	rs140644750	S13	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs141022544	S8	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs141525984	S5	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs141692339	S3	"PCDHGA6,PI	5.36E-06	1	0.00264569	4.60E-11	0.00187259	1.50E-07
phe.Fasting_rs16833551	S5	MYO1B	rs141926074	S8	ATE1	1.61E-17	6.58E-10	1.23E-13	3.34E-11	0.00135974	1.12E-07
phe.Fasting_rs16833551	S5	MYO1B	rs142480565	S8	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs142718558	S7	"DIAPH1,LOC	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs142789100	S8	DIAPH1	1.27E-07	1	9.46E-05	1.73E-11	0.000702612	6.17E-08
phe.Fasting_rs16833551	S5	MYO1B	rs142812798	S7	DIAPH1	1.27E-07	1	9.46E-05	1.73E-11	0.000702612	6.17E-08
phe.Fasting_rs16833551	S5	MYO1B	rs143377827	S13	"DIAPH1,LOC	1.08E-07	1	8.17E-05	1.30E-11	0.000529506	4.76E-08
phe.Fasting_rs16833551	S5	MYO1B	rs143691978	S11	DIAPH1	1.27E-07	1	9.46E-05	1.83E-11	0.000745458	6.52E-08
phe.Fasting_rs16833551	S5	MYO1B	rs144081334	S11	DIAPH1	1.27E-07	1	9.46E-05	1.83E-11	0.000745458	6.52E-08
phe.Fasting_rs16833551	S5	MYO1B	rs144613910	S8	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs145027704	S11	DIAPH1	1.27E-07	1	9.46E-05	1.83E-11	0.000745458	6.52E-08
phe.Fasting_rs16833551	S5	MYO1B	rs146220673	S7	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs146622060	S13	DIAPH1	1.27E-07	1	9.46E-05	1.83E-11	0.000745458	6.52E-08
phe.Fasting_rs16833551	S5	MYO1B	rs146815317	S5	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.67E-14	6.81E-07	1.39E-10
phe.Fasting_rs16833551	S5	MYO1B	rs146878162	S7	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs147314451	S8	DIAPH1	3.86E-07	1	2.61E-04	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs147417996	S7	DIAPH1	1.27E-07	1.00E+00	9.46E-05	1.83E-11	0.000745458	6.52E-08
phe.Fasting_rs16833551	S5	MYO1B	rs147506725	S21	"PCDHGA1,PI	4.89E-06	1.00E+00	2.44E-03	3.26E-11	0.00132645	1.09E-07
phe.Fasting_rs16833551	S5	MYO1B	rs147646948	S7	"LOC100505056	3.86E-07	1.00E+00	2.61E-04	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs147677041	S8	DIAPH1	1.27E-07	1.00E+00	9.46E-05	1.73E-11	0.000702612	6.17E-08
phe.Fasting_rs16833551	S5	MYO1B	rs148116628	S7	DIAPH1	3.86E-07	1.00E+00	2.61E-04	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs148423011	S7	DIAPH1	3.86E-07	1.00E+00	2.61E-04	6.27E-11	0.00255205	1.99E-07

phe.Fasting_rs16833551	S5	MYO1B	rs149019627	S8	DIAPH1	1.27E-07	1.00E+00	9.46E-05	1.73E-11	0.000702612	6.17E-08
phe.Fasting_rs16833551	S5	MYO1B	rs149075406	S8	DIAPH1	3.86E-07	1.00E+00	2.61E-04	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs149334783	S8	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs149553852	S21	"PCDHGA10,	4.89E-06	1	0.00244201	3.26E-11	0.00132645	1.09E-07
phe.Fasting_rs16833551	S5	MYO1B	rs149716949	S5	DIAPH1	5.19E-08	1	4.23E-05	8.07E-12	0.000328506	3.04E-08
phe.Fasting_rs16833551	S5	MYO1B	rs149791570	S5	DIAPH1	1.27E-07	1	9.46E-05	1.73E-11	0.000702612	6.17E-08
phe.Fasting_rs16833551	S5	MYO1B	rs150117838	S8	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.60E-14	6.50E-07	1.34E-10
phe.Fasting_rs16833551	S5	MYO1B	rs150452206	S13	"DIAPH1,LOC	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs150675915	S7	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs150765570	S7	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs150992994	S11	"PCDHGA5,Pl	4.04E-07	1	0.000271209	6.11E-11	0.00248821	1.95E-07
phe.Fasting_rs16833551	S5	MYO1B	rs151204700	S8	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs151330468	S8	DIAPH1	1.27E-07	1	9.46E-05	1.83E-11	0.000745458	6.52E-08
phe.Fasting_rs16833551	S5	MYO1B	rs16854875	S2	NA	6.35E-07	1	0.000406119	3.32E-07	1	4.15E-04
phe.Fasting_rs16833551	S5	MYO1B	rs17236830	S6	PHC3	1.37E-06	1	0.000805831	2.63E-10	0.0107117	7.22E-07
phe.Fasting_rs16833551	S5	MYO1B	rs180772028	S8	"DIAPH1,LOC	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs181224861	S7	DIAPH1	3.86E-07	1	2.61E-04	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs181247960	S21	"PCDHGA9,Pl	4.89E-06	1	2.44E-03	3.26E-11	0.00132645	1.09E-07
phe.Fasting_rs16833551	S5	MYO1B	rs181824655	S21	"PCDHGB6,Pl	4.89E-06	1	2.44E-03	3.26E-11	0.00132645	1.09E-07
phe.Fasting_rs16833551	S5	MYO1B	rs182714699	S8	DIAPH1	3.86E-07	1	2.61E-04	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs182958142	S8	DIAPH1	6.17E-07	1	3.96E-04	7.12E-12	0.000289764	2.73E-08
phe.Fasting_rs16833551	S5	MYO1B	rs182965141	S8	DIAPH1	1.39E-07	1	1.02E-04	5.34E-09	0.217272	1.05E-05
phe.Fasting_rs16833551	S5	MYO1B	rs183597049	S7	DIAPH1	3.86E-07	1	2.61E-04	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs183980988	S2	NA	3.86E-07	1	2.61E-04	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs184233232	S7	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs184509477	S13	"PCDHGB4,Pl	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs185069296	S15	"LOC100505	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs185502834	S8	DIAPH1	1.27E-07	1	9.46E-05	1.73E-11	0.000702612	6.17E-08
phe.Fasting_rs16833551	S5	MYO1B	rs185759881	S7	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs186288044	S21	"PCDHGB4,Pl	4.89E-06	1.00E+00	2.44E-03	3.26E-11	0.00132645	1.09E-07
phe.Fasting_rs16833551	S5	MYO1B	rs187000011	S11	DIAPH1	3.86E-07	1.00E+00	2.61E-04	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs188981295	S5	"RPS27AP10,	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs190559574	S7	DIAPH1	1.27E-07	1	9.46E-05	1.73E-11	0.000702612	6.17E-08
phe.Fasting_rs16833551	S5	MYO1B	rs191544043	S8	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs191766712	S7	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs192690040	S7	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs192765219	S7	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs192770525	S7	DIAPH1	3.86E-07	1	0.000261363	6.27E-11	0.00255205	1.99E-07
phe.Fasting_rs16833551	S5	MYO1B	rs2241292	S8	GPR160	8.36E-07	1	0.000515653	3.70E-10	0.0150659	9.78E-07
phe.Fasting_rs16833551	S5	MYO1B	rs35990401	S7	DIAPH1	4.21E-07	1	0.000281178	2.26E-11	0.000919612	7.88E-08



phe.Fasting_rs16833551	S5	MYO1B	rs3772186	S6	PHC3	8.15E-07	1	0.000506657	2.10E-10	0.0085648	5.91E-07
phe.Fasting_rs16833551	S5	MYO1B	rs55900860	S7	DIAPH1	1.27E-07	1	9.46E-05	1.73E-11	0.000702612	6.17E-08
phe.Fasting_rs16833551	S5	MYO1B	rs57503635	S3	NA	6.66E-07	1	0.00042329	5.09E-06	1	4.64E-03
phe.Fasting_rs16833551	S5	MYO1B	rs58417766	S7	PHC3	8.15E-07	1	0.000506657	2.10E-10	0.0085648	5.91E-07
phe.Fasting_rs16833551	S5	MYO1B	rs6763396	S5	PHC3	8.76E-07	1	0.000537443	2.13E-10	0.00867828	5.98E-07
phe.Fasting_rs16833551	S5	MYO1B	rs6781454	S8	PHC3	8.31E-07	1	0.000514116	2.11E-10	0.00860569	5.94E-07
phe.Fasting_rs16833551	S5	MYO1B	rs6786022	S8	PHC3	1.32E-06	1	0.000777341	2.58E-10	0.0105158	7.10E-07
phe.Fasting_rs16833551	S5	MYO1B	rs6808506	S7	PHC3	8.15E-07	1	0.000506657	2.10E-10	0.0085648	5.91E-07
phe.Fasting_rs16833551	S5	MYO1B	rs6881310	S23	ISL1	6.19E-16	2.53E-08	1.91E-12	1.51E-11	0.000616514	5.45E-08
phe.Fasting_rs16833551	S5	MYO1B	rs7203984	S15	CETP	1.13E-10	0.00463374	1.45E-07	1.24E-05	1	9.63E-03
phe.Fasting_rs16833551	S5	MYO1B	rs7256517	S7	CYTH2	1.91E-05	1	0.0080183	1.06E-05	1	8.62E-03
phe.Fasting_rs16833551	S5	MYO1B	rs73392640	S8	POLR3B	2.03E-15	8.30E-08	5.76E-12	4.34E-06	1	4.05E-03
phe.Fasting_rs16833551	S5	MYO1B	rs73619637	S8	NA	8.86E-07	1	0.000542795	8.99E-15	3.66E-07	7.89E-11
phe.Fasting_rs16833551	S5	MYO1B	rs73879173	S8	PHC3	8.15E-07	1	0.000506657	2.10E-10	0.0085648	5.91E-07
phe.Fasting_rs16833551	S5	MYO1B	rs73879178	S10	PHC3	1.32E-06	1	0.000777341	2.58E-10	0.0105158	7.10E-07
phe.Fasting_rs16833551	S5	MYO1B	rs73879182	S6	PHC3	8.15E-07	1	0.000506657	2.10E-10	0.0085648	5.91E-07
phe.Fasting_rs16833551	S5	MYO1B	rs74627895	S8	TMEM64	7.05E-08	1	5.58E-05	1.27E-06	1	1.40E-03
phe.Fasting_rs16833551	S5	MYO1B	rs75506779	S5	TMCO3	3.31E-11	0.00135031	4.65E-08	1.17E-05	1	9.24E-03
phe.Fasting_rs16833551	S5	MYO1B	rs75758702	S24	NA	8.46E-17	3.45E-09	3.69E-13	2.34E-11	0.000953298	8.15E-08
phe.Fasting_rs16833551	S5	MYO1B	rs75949566	S5	TMEM64	3.05E-07	1	0.000210234	2.50E-06	1	2.50E-03
phe.Fasting_rs16833551	S5	MYO1B	rs76146702	S5	PHC3	8.43E-07	1	0.000520038	1.33E-10	0.0054196	4.00E-07
phe.Fasting_rs16833551	S5	MYO1B	rs7615039	S8	PHC3	7.40E-07	1	0.000464258	3.16E-10	0.0128551	8.49E-07
phe.Fasting_rs16833551	S5	MYO1B	rs7638400	S7	PHC3	8.15E-07	1	0.000506657	2.10E-10	0.0085648	5.91E-07
phe.Fasting_rs16833551	S5	MYO1B	rs76737663	S1	LOC654841	1.60E-15	6.55E-08	4.60E-12	1.57E-09	0.0637131	3.54E-06
phe.Fasting_rs16833551	S5	MYO1B	rs77444916	S23	LOC642366	2.08E-16	8.50E-09	7.15E-13	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs16833551	S5	MYO1B	rs77798597	S7	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.60E-14	6.50E-07	1.34E-10
phe.Fasting_rs16833551	S5	MYO1B	rs78516788	S8	SLC38A1	6.21E-06	1	0.00301739	4.51E-10	0.0183758	1.18E-06
phe.Fasting_rs16833551	S5	MYO1B	rs78736524	S5	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.67E-14	6.81E-07	1.39E-10
phe.Fasting_rs16833551	S5	MYO1B	rs78990344	S2	LOC1005063	3.09E-07	1	0.000212884	1.88E-06	1	1.96E-03
phe.Fasting_rs16833551	S5	MYO1B	rs79389383	S8	PHC3	8.31E-07	1	0.000514116	2.11E-10	0.00860569	5.94E-07
phe.Fasting_rs16833551	S5	MYO1B	rs79517926	S15	"DIAPH1,LOC	1.65E-07	1	0.000119391	6.67E-12	0.000271622	2.57E-08
phe.Fasting_rs16833551	S5	MYO1B	rs79518241	S6	PHC3	8.15E-07	1	0.000506657	2.10E-10	0.0085648	5.91E-07
phe.Fasting_rs16833551	S5	MYO1B	rs79781495	S8	KPNA3	3.52E-15	1.44E-07	9.50E-12	1.60E-14	6.50E-07	1.34E-10
phe.Fasting_rs16833551	S5	MYO1B	rs80258830	S24	LOC642366	2.08E-16	8.50E-09	7.15E-13	2.73E-14	1.11E-06	2.06E-10
phe.Fasting_rs16833551	S5	MYO1B	rs80332465	S5	KPNA3	3.73E-15	1.52E-07	1.00E-11	1.71E-14	6.98E-07	1.41E-10
phe.Fasting_rs16833551	S5	MYO1B	rs80334773	S5	KPNA3	3.73E-15	1.52E-07	1.00E-11	1.71E-14	6.98E-07	1.41E-10
phe.Fasting_rs16833579	S8	MYO1B	rs111576333	S5	TMEM64	1.17E-16	4.79E-09	4.85E-13	1.13E-05	1	9.01E-03
phe.Fasting_rs16833579	S8	MYO1B	rs112027720	S7	DIAPH1	2.26E-07	1.00E+00	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs113219478	S7	DIAPH1	2.26E-07	1	0.000159719	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs113357907	S24	ISL1	2.24E-17	9.16E-10	1.45E-13	6.99E-15	2.84E-07	6.24E-11

phe.Fasting_rs16833579	S8	MYO1B	rs115787552S5	KPNA3	1.07E-15	4.36E-08	3.15E-12	2.39E-06	1	2.41E-03
phe.Fasting_rs16833579	S8	MYO1B	rs115888477S8	NA	7.46E-15	3.05E-07	1.92E-11	5.69E-07	1	6.74E-04
phe.Fasting_rs16833579	S8	MYO1B	rs116011837S9	BRD2	1.84E-11	0.00075159	2.77E-08	2.46E-09	0.100114	5.30E-06
phe.Fasting_rs16833579	S8	MYO1B	rs116079984S8	KPNA3	1.07E-15	4.36E-08	3.15E-12	3.02E-06	1	2.95E-03
phe.Fasting_rs16833579	S8	MYO1B	rs116120727S9	BRD2	1.84E-11	7.52E-04	2.77E-08	2.46E-09	0.100114	5.30E-06
phe.Fasting_rs16833579	S8	MYO1B	rs116279995S20	"PCDHGA4,PI	3.89E-08	1.00E+00	3.27E-05	4.41E-12	0.000179328	1.76E-08
phe.Fasting_rs16833579	S8	MYO1B	rs116406581S2	NA	3.18E-09	1.30E-01	3.23E-06	9.51E-06	1	7.84E-03
phe.Fasting_rs16833579	S8	MYO1B	rs11989304 S4	TMEM64	1.17E-16	4.79E-09	4.85E-13	1.11E-05	1	8.90E-03
phe.Fasting_rs16833579	S8	MYO1B	rs13400525 S8	MFF	2.10E-16	8.59E-09	7.21E-13	8.33E-11	0.0033917	2.59E-07
phe.Fasting_rs16833579	S8	MYO1B	rs138090701S5	HDAC3	5.81E-06	1.00E+00	2.85E-03	9.85E-12	0.000400893	3.65E-08
phe.Fasting_rs16833579	S8	MYO1B	rs138136869S7	DIAPH1	5.93E-08	1.00E+00	4.77E-05	2.38E-12	9.69E-05	1.02E-08
phe.Fasting_rs16833579	S8	MYO1B	rs138457103S10	DIAPH1	1.48E-07	1.00E+00	1.08E-04	1.02E-11	0.000416954	3.79E-08
phe.Fasting_rs16833579	S8	MYO1B	rs138487229S11	DIAPH1	2.26E-07	1.00E+00	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs138738950S8	"PCDHGB2,PI	2.26E-07	1.00E+00	1.60E-04	9.75E-12	0.000396821	3.62E-08
phe.Fasting_rs16833579	S8	MYO1B	rs139297927S8	DIAPH1	2.26E-07	1.00E+00	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs139337303S8	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs139403963S8	DIAPH1	5.93E-08	1	4.77E-05	2.38E-12	9.69E-05	1.02E-08
phe.Fasting_rs16833579	S8	MYO1B	rs139621309S18	"LOC100505056	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs139828110S8	DIAPH1	5.93E-08	1	4.77E-05	2.38E-12	9.69E-05	1.02E-08
phe.Fasting_rs16833579	S8	MYO1B	rs140070363S8	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs140524622S7	MRPL10	3.87E-17	1.58E-09	2.08E-13	4.08E-06	1	3.83E-03
phe.Fasting_rs16833579	S8	MYO1B	rs140644750S13	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs141022544S8	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs141525984S5	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs141692339S3	"PCDHGA6,PI	4.54E-08	1	3.75E-05	6.37E-12	0.000259196	2.46E-08
phe.Fasting_rs16833579	S8	MYO1B	rs141926074S8	ATE1	6.12E-18	2.50E-10	7.50E-14	5.85E-12	0.000238277	2.28E-08
phe.Fasting_rs16833579	S8	MYO1B	rs142480565S8	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs142718558S7	"DIAPH1,LOC	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs142789100S8	DIAPH1	5.93E-08	1	4.77E-05	2.38E-12	9.69E-05	1.02E-08
phe.Fasting_rs16833579	S8	MYO1B	rs142812798S7	DIAPH1	5.93E-08	1	4.77E-05	2.38E-12	9.69E-05	1.02E-08
phe.Fasting_rs16833579	S8	MYO1B	rs143377827S13	"DIAPH1,LOC	5.15E-08	1	4.21E-05	1.79E-12	7.29E-05	7.85E-09
phe.Fasting_rs16833579	S8	MYO1B	rs143691978S11	DIAPH1	5.93E-08	1	4.77E-05	2.55E-12	0.00010399	1.10E-08
phe.Fasting_rs16833579	S8	MYO1B	rs144081334S11	DIAPH1	5.93E-08	1	4.77E-05	2.55E-12	0.00010399	1.10E-08
phe.Fasting_rs16833579	S8	MYO1B	rs144613910S8	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs145027704S11	DIAPH1	5.93E-08	1	4.77E-05	2.55E-12	0.00010399	1.10E-08
phe.Fasting_rs16833579	S8	MYO1B	rs146220673S7	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs146622060S13	DIAPH1	5.93E-08	1	4.77E-05	2.55E-12	0.00010399	1.10E-08
phe.Fasting_rs16833579	S8	MYO1B	rs146815317S5	KPNA3	1.07E-15	4.36E-08	3.15E-12	2.39E-06	1	2.41E-03
phe.Fasting_rs16833579	S8	MYO1B	rs146878162S7	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs147314451S8	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08

phe.Fasting_rs16833579	S8	MYO1B	rs147417996S7	DIAPH1	5.93E-08	1	4.77E-05	2.55E-12	0.00010399	1.10E-08
phe.Fasting_rs16833579	S8	MYO1B	rs147506725S21	"PCDHGA1,Pi	3.89E-08	1	3.27E-05	4.41E-12	0.000179328	1.76E-08
phe.Fasting_rs16833579	S8	MYO1B	rs147646948S7	"LOC1005056	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs147677041S8	DIAPH1	5.93E-08	1	4.77E-05	2.38E-12	9.69E-05	1.02E-08
phe.Fasting_rs16833579	S8	MYO1B	rs148116628S7	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs148423011S7	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs149019627S8	DIAPH1	5.93E-08	1	4.77E-05	2.38E-12	9.69E-05	1.02E-08
phe.Fasting_rs16833579	S8	MYO1B	rs149075406S8	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs149334783S8	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs149553852S21	"PCDHGA10,I	3.89E-08	1	3.27E-05	4.41E-12	0.000179328	1.76E-08
phe.Fasting_rs16833579	S8	MYO1B	rs149716949S5	DIAPH1	2.41E-08	0.984313	2.10E-05	1.75E-12	7.12E-05	7.69E-09
phe.Fasting_rs16833579	S8	MYO1B	rs149791570S5	DIAPH1	5.93E-08	1	4.77E-05	2.38E-12	9.69E-05	1.02E-08
phe.Fasting_rs16833579	S8	MYO1B	rs150117838S8	KPNA3	1.07E-15	4.36E-08	3.15E-12	2.39E-06	1	2.40E-03
phe.Fasting_rs16833579	S8	MYO1B	rs150452206S13	"DIAPH1,LOC	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs150675915S7	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs150765570S7	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs150992994S11	"PCDHGAS,Pi	2.39E-07	1	1.67E-04	9.25E-12	0.000376692	3.45E-08
phe.Fasting_rs16833579	S8	MYO1B	rs151204700S8	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs151330468S8	DIAPH1	5.93E-08	1	4.77E-05	2.55E-12	0.00010399	1.10E-08
phe.Fasting_rs16833579	S8	MYO1B	rs180772028S8	"DIAPH1,LOC	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs181224861S7	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs181247960S21	"PCDHGA9,Pi	3.89E-08	1	3.27E-05	4.41E-12	0.000179328	1.76E-08
phe.Fasting_rs16833579	S8	MYO1B	rs181824655S21	"PCDHGB6,Pi	3.89E-08	1	3.27E-05	4.41E-12	0.000179328	1.76E-08
phe.Fasting_rs16833579	S8	MYO1B	rs182714699S8	DIAPH1	2.26E-07	1	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs182958142S8	DIAPH1	3.18E-07	1	2.19E-04	9.48E-13	3.86E-05	4.50E-09
phe.Fasting_rs16833579	S8	MYO1B	rs182965141S8	DIAPH1	7.39E-08	1	5.81E-05	7.05E-10	0.028681	1.75E-06
phe.Fasting_rs16833579	S8	MYO1B	rs183597049S7	DIAPH1	2.26E-07	1.00E+00	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs183980988S2	NA	2.26E-07	1.00E+00	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs184233232S7	DIAPH1	2.26E-07	1	0.000159719	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs184509477S13	"PCDHGB4,Pi	2.26E-07	1.00E+00	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs185069296S15	"LOC1005056	2.26E-07	1	0.000159719	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs185502834S8	DIAPH1	5.93E-08	1	4.77E-05	2.38E-12	9.69E-05	1.02E-08
phe.Fasting_rs16833579	S8	MYO1B	rs185759881S7	DIAPH1	2.26E-07	1	0.000159719	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs186288044S21	"PCDHGB4,Pi	3.89E-08	1	3.27E-05	4.41E-12	0.000179328	1.76E-08
phe.Fasting_rs16833579	S8	MYO1B	rs187000011S11	DIAPH1	2.26E-07	1	0.000159719	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs188981295S5	"RPS27AP10,	2.26E-07	1	0.000159719	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs190559574S7	DIAPH1	5.93E-08	1.00E+00	4.77E-05	2.38E-12	9.69E-05	1.02E-08
phe.Fasting_rs16833579	S8	MYO1B	rs191544043S8	DIAPH1	2.26E-07	1.00E+00	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs191766712S7	DIAPH1	2.26E-07	1.00E+00	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs192690040S7	DIAPH1	2.26E-07	1.00E+00	1.60E-04	9.73E-12	0.000395959	3.61E-08

phe.Fasting_rs16833579	S8	MYO1B	rs192765219S7	DIAPH1	2.26E-07	1.00E+00	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs192770525S7	DIAPH1	2.26E-07	1.00E+00	1.60E-04	9.73E-12	0.000395959	3.61E-08
phe.Fasting_rs16833579	S8	MYO1B	rs35990401 S7	DIAPH1	2.36E-07	1.00E+00	1.66E-04	3.22E-12	0.000131266	1.36E-08
phe.Fasting_rs16833579	S8	MYO1B	rs55900860 S7	DIAPH1	5.93E-08	1	4.77E-05	2.38E-12	9.69E-05	1.02E-08
phe.Fasting_rs16833579	S8	MYO1B	rs57503635 S3	NA	2.34E-16	9.55E-09	7.95E-13	1.24E-06	1	1.37E-03
phe.Fasting_rs16833579	S8	MYO1B	rs6881310 S23	ISL1	1.58E-16	6.46E-09	6.03E-13	2.60E-12	0.000105734	1.11E-08
phe.Fasting_rs16833579	S8	MYO1B	rs7004597 S8	NA	7.92E-10	0.0323275	8.78E-07	9.42E-06	1	7.77E-03
phe.Fasting_rs16833579	S8	MYO1B	rs73619637 S8	NA	3.32E-16	1.36E-08	1.10E-12	1.90E-11	0.000773524	6.76E-08
phe.Fasting_rs16833579	S8	MYO1B	rs75506779 S5	TMCO3	1.12E-11	0.000458606	1.77E-08	8.51E-06	1	7.15E-03
phe.Fasting_rs16833579	S8	MYO1B	rs75758702 S24	NA	2.78E-07	1	1.93E-04	5.21E-12	0.000211923	2.05E-08
phe.Fasting_rs16833579	S8	MYO1B	rs76737663 S1	LOC654841	2.30E-16	9.38E-09	7.81E-13	8.90E-10	0.0362463	2.14E-06
phe.Fasting_rs16833579	S8	MYO1B	rs77444916 S23	LOC642366	5.20E-17	2.12E-09	2.55E-13	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs16833579	S8	MYO1B	rs77798597 S7	KPNA3	1.07E-15	4.36E-08	3.15E-12	2.39E-06	1	2.40E-03
phe.Fasting_rs16833579	S8	MYO1B	rs78736524 S5	KPNA3	1.07E-15	4.36E-08	3.15E-12	2.39E-06	1	2.41E-03
phe.Fasting_rs16833579	S8	MYO1B	rs78990344 S2	LOC1005063	1.17E-16	4.79E-09	4.85E-13	1.11E-05	1	8.90E-03
phe.Fasting_rs16833579	S8	MYO1B	rs79517926 S15	"DIAPH1,LOC	7.74E-08	1	6.04E-05	9.71E-13	3.95E-05	4.60E-09
phe.Fasting_rs16833579	S8	MYO1B	rs79781495 S8	KPNA3	1.07E-15	4.36E-08	3.15E-12	2.39E-06	1	2.40E-03
phe.Fasting_rs16833579	S8	MYO1B	rs80258830 S24	LOC642366	5.20E-17	2.12E-09	2.55E-13	6.64E-15	2.70E-07	5.95E-11
phe.Fasting_rs16833579	S8	MYO1B	rs80332465 S5	KPNA3	1.13E-15	4.63E-08	3.32E-12	2.47E-06	1	2.48E-03
phe.Fasting_rs16833579	S8	MYO1B	rs80334773 S5	KPNA3	1.13E-15	4.63E-08	3.32E-12	2.47E-06	1	2.48E-03
phe.Fasting_rs16854875	S2	NA	rs111576333S5	TMEM64	1.62E-08	0.663422	1.46E-05	2.59E-09	0.10555	5.57E-06
phe.Fasting_rs16854875	S2	NA	rs112091318S5	TMEM64	4.96E-09	0.202517	4.85E-06	3.77E-08	1	5.94E-05
phe.Fasting_rs16854875	S2	NA	rs112348319S8	SPTLC1	1.43E-05	1	6.22E-03	3.41E-10	0.0138954	9.07E-07
phe.Fasting_rs16854875	S2	NA	rs112608164S8	SPTLC1	1.43E-05	1	6.22E-03	3.41E-10	0.0138954	9.07E-07
phe.Fasting_rs16854875	S2	NA	rs113568654S12	SPTLC1	1.37E-05	1	5.99E-03	5.56E-09	0.226434	1.10E-05
phe.Fasting_rs16854875	S2	NA	rs115083290S19	NA	7.02E-08	1	5.56E-05	7.43E-07	1	8.61E-04
phe.Fasting_rs16854875	S2	NA	rs115305957S23	NA	8.07E-07	1	5.02E-04	8.50E-06	1	7.15E-03
phe.Fasting_rs16854875	S2	NA	rs115752779S19	NA	7.02E-08	1	5.56E-05	7.43E-07	1	8.61E-04
phe.Fasting_rs16854875	S2	NA	rs115888477S8	NA	1.06E-06	1	6.39E-04	8.24E-11	0.00335529	2.56E-07
phe.Fasting_rs16854875	S2	NA	rs116011837S9	BRD2	1.98E-13	8.09E-06	4.34E-10	5.72E-11	0.00233027	1.83E-07
phe.Fasting_rs16854875	S2	NA	rs116120727S9	BRD2	1.98E-13	8.09E-06	4.34E-10	5.72E-11	0.00233027	1.83E-07
phe.Fasting_rs16854875	S2	NA	rs116548615S8	TMEM45B	4.06E-19	1.66E-11	2.40E-14	1.01E-09	0.0409125	2.39E-06
phe.Fasting_rs16854875	S2	NA	rs11989304 S4	TMEM64	1.62E-08	0.663422	1.46E-05	2.60E-09	0.105653	5.57E-06
phe.Fasting_rs16854875	S2	NA	rs140524622S7	MRPL10	8.82E-06	1	4.10E-03	8.86E-06	1	7.39E-03
phe.Fasting_rs16854875	S2	NA	rs141926074S8	ATE1	9.49E-20	3.87E-12	2.23E-14	1.78E-09	0.0726252	3.98E-06
phe.Fasting_rs16854875	S2	NA	rs74627895 S8	TMEM64	4.96E-09	0.202517	4.85E-06	1.01E-05	1	8.23E-03
phe.Fasting_rs16854875	S2	NA	rs74701059 S24	C17orf102	8.67E-07	1	5.32E-04	9.87E-06	1	8.06E-03
phe.Fasting_rs16854875	S2	NA	rs75949566 S5	TMEM64	1.78E-08	0.727967	1.58E-05	3.28E-08	1	5.25E-05
phe.Fasting_rs16854875	S2	NA	rs76542405 S5	SPTLC1	1.43E-05	1	6.22E-03	3.41E-10	0.0138954	9.07E-07
phe.Fasting_rs16854875	S2	NA	rs77523818 S7	SPTLC1	1.43E-05	1	6.22E-03	3.41E-10	0.0138954	9.07E-07

phe.Fasting_rs16854875	S2	NA	rs77845645	S21	NA	5.59E-06	1	2.75E-03	3.88E-12	0.000157909	1.61E-08
phe.Fasting_rs16854875	S2	NA	rs78990344	S2	LOC10050631	1.62E-08	0.663422	1.46E-05	2.60E-09	0.105653	5.57E-06
phe.Fasting_rs16894241	S4	HIST1H2BK	rs114334325	S7	AP3M2	9.74E-16	3.98E-08	2.90E-12	6.64E-07	1	7.78E-04
phe.Fasting_rs16894241	S4	HIST1H2BK	rs114394395	S7	AP3M2	1.04E-15	4.26E-08	3.08E-12	6.64E-07	1	7.78E-04
phe.Fasting_rs16894241	S4	HIST1H2BK	rs114565620	S8	RCL1	1.14E-17	4.64E-10	1.02E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs16894241	S4	HIST1H2BK	rs115305957	S23	NA	1.12E-17	4.58E-10	1.02E-13	1.11E-09	0.0452685	2.62E-06
phe.Fasting_rs16894241	S4	HIST1H2BK	rs115787552	S5	KPNA3	2.62E-16	1.07E-08	8.83E-13	1.86E-11	0.000758335	6.63E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs115888477	S8	NA	2.09E-15	8.54E-08	5.93E-12	4.02E-09	0.163698	8.25E-06
phe.Fasting_rs16894241	S4	HIST1H2BK	rs116011837	S9	BRD2	1.99E-17	8.12E-10	1.42E-13	3.43E-08	1	5.46E-05
phe.Fasting_rs16894241	S4	HIST1H2BK	rs116079984	S8	KPNA3	2.62E-16	1.07E-08	8.83E-13	2.30E-11	0.000937424	8.01E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs116120727	S9	BRD2	1.99E-17	8.12E-10	1.42E-13	3.43E-08	1	5.46E-05
phe.Fasting_rs16894241	S4	HIST1H2BK	rs116406581	S2	NA	3.77E-15	1.54E-07	1.01E-11	4.70E-07	1	5.64E-04
phe.Fasting_rs16894241	S4	HIST1H2BK	rs116696844	S3	AP3M2	2.02E-15	8.23E-08	5.72E-12	6.64E-07	1	7.78E-04
phe.Fasting_rs16894241	S4	HIST1H2BK	rs140524622	S7	MRPL10	9.53E-18	3.89E-10	9.45E-14	2.09E-07	1	2.75E-04
phe.Fasting_rs16894241	S4	HIST1H2BK	rs141926074	S8	ATE1	4.96E-18	2.03E-10	6.81E-14	4.37E-06	1	4.08E-03
phe.Fasting_rs16894241	S4	HIST1H2BK	rs146815317	S5	KPNA3	2.62E-16	1.07E-08	8.83E-13	1.86E-11	0.000758335	6.63E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs150117838	S8	KPNA3	2.62E-16	1.07E-08	8.83E-13	1.77E-11	0.000720971	6.32E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs57503635	S3	NA	7.08E-08	1	5.60E-05	1.50E-06	1	1.62E-03
phe.Fasting_rs16894241	S4	HIST1H2BK	rs7004597	S8	NA	9.74E-16	3.98E-08	2.90E-12	4.39E-07	1	5.31E-04
phe.Fasting_rs16894241	S4	HIST1H2BK	rs73392640	S8	POLR3B	8.03E-07	1	4.99E-04	2.72E-07	1	3.47E-04
phe.Fasting_rs16894241	S4	HIST1H2BK	rs73619637	S8	NA	6.48E-06	1	3.14E-03	2.31E-08	0.939672	3.85E-05
phe.Fasting_rs16894241	S4	HIST1H2BK	rs74701059	S24	C17orf102	1.11E-17	4.53E-10	1.02E-13	1.26E-09	0.0513787	2.92E-06
phe.Fasting_rs16894241	S4	HIST1H2BK	rs75350765	S5	RCL1	1.14E-17	4.64E-10	1.02E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs16894241	S4	HIST1H2BK	rs77798597	S7	KPNA3	2.62E-16	1.07E-08	8.83E-13	1.77E-11	0.000720971	6.32E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs78353402	S8	AP3M2	9.74E-16	3.98E-08	2.90E-12	6.64E-07	1	7.78E-04
phe.Fasting_rs16894241	S4	HIST1H2BK	rs78516788	S8	SLC38A1	1.05E-07	1	8.00E-05	1.13E-05	1	8.98E-03
phe.Fasting_rs16894241	S4	HIST1H2BK	rs78736524	S5	KPNA3	2.62E-16	1.07E-08	8.83E-13	1.86E-11	0.000758335	6.63E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs79703349	S24	C17orf102	1.11E-17	4.53E-10	1.02E-13	1.61E-09	0.0654365	3.63E-06
phe.Fasting_rs16894241	S4	HIST1H2BK	rs79781495	S8	KPNA3	2.62E-16	1.07E-08	8.83E-13	1.77E-11	0.000720971	6.32E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs80332465	S5	KPNA3	2.79E-16	1.14E-08	9.36E-13	1.87E-11	0.000761502	6.66E-08
phe.Fasting_rs16894241	S4	HIST1H2BK	rs80334773	S5	KPNA3	2.79E-16	1.14E-08	9.36E-13	1.87E-11	0.000761502	6.66E-08
phe.Fasting_rs16908547	S8	PAG1	rs113568654	S12	SPTLC1	1.87E-09	0.0763478	1.96E-06	7.82E-07	1	9.01E-04
phe.Fasting_rs16908547	S8	PAG1	rs139070959	S8	RPN2	5.61E-18	2.29E-10	7.13E-14	5.33E-06	1	4.83E-03
phe.Fasting_rs16908547	S8	PAG1	rs2153597	S8	ZNF438	2.30E-08	0.940443	2.01E-05	5.18E-07	1	6.17E-04
phe.Fasting_rs17220629	S5	TRAK1	rs77845645	S21	NA	3.94E-07	1	2.65E-04	2.35E-07	1	3.05E-04
phe.Fasting_rs17236830	S6	PHC3	rs111576333	S5	TMEM64	3.68E-08	1	3.10E-05	2.40E-10	0.00976995	6.65E-07
phe.Fasting_rs17236830	S6	PHC3	rs112091318	S5	TMEM64	1.10E-08	0.447367	1.01E-05	3.52E-10	0.0143213	9.31E-07
phe.Fasting_rs17236830	S6	PHC3	rs114565620	S8	RCL1	4.23E-19	1.73E-11	2.42E-14	1.20E-06	1	1.33E-03
phe.Fasting_rs17236830	S6	PHC3	rs115083290	S19	NA	2.94E-06	1	1.55E-03	4.12E-09	0.167892	8.44E-06
phe.Fasting_rs17236830	S6	PHC3	rs115752779	S19	NA	2.94E-06	1	1.55E-03	4.12E-09	0.167892	8.44E-06

phe.Fasting_rs17236830 S6	PHC3	rs116011837 S9	BRD2	5.40E-13	2.21E-05	1.14E-09	2.69E-11	0.00109333	9.25E-08
phe.Fasting_rs17236830 S6	PHC3	rs116120727 S9	BRD2	5.40E-13	2.21E-05	1.14E-09	2.69E-11	0.00109333	9.25E-08
phe.Fasting_rs17236830 S6	PHC3	rs116548615 S8	TMEM45B	9.83E-09	0.401532	9.19E-06	7.91E-10	0.0321953	1.94E-06
phe.Fasting_rs17236830 S6	PHC3	rs11989304 S4	TMEM64	3.68E-08	1	3.10E-05	2.40E-10	0.00978442	6.66E-07
phe.Fasting_rs17236830 S6	PHC3	rs140524622 S7	MRPL10	3.72E-08	1	3.13E-05	2.63E-06	1	2.62E-03
phe.Fasting_rs17236830 S6	PHC3	rs141926074 S8	ATE1	7.68E-07	1	4.79E-04	1.69E-11	0.000688316	6.06E-08
phe.Fasting_rs17236830 S6	PHC3	rs57287019 S5	CLCN3	1.17E-05	1	5.23E-03	5.14E-06	1	4.68E-03
phe.Fasting_rs17236830 S6	PHC3	rs73392640 S8	POLR3B	3.08E-06	1	0.00161942	1.06E-05	1	8.59E-03
phe.Fasting_rs17236830 S6	PHC3	rs74627895 S8	TMEM64	1.10E-08	0.447367	1.01E-05	1.19E-06	1	1.32E-03
phe.Fasting_rs17236830 S6	PHC3	rs75350765 S5	RCL1	4.23E-19	1.73E-11	2.42E-14	1.20E-06	1	1.33E-03
phe.Fasting_rs17236830 S6	PHC3	rs75949566 S5	TMEM64	4.03E-08	1.00E+00	3.37E-05	4.24E-10	0.0172657	1.11E-06
phe.Fasting_rs17236830 S6	PHC3	rs7657672 S8	CLCN3	1.41E-05	1.00E+00	6.13E-03	2.01E-06	1	2.08E-03
phe.Fasting_rs17236830 S6	PHC3	rs77845645 S21	NA	7.52E-08	1	5.89E-05	1.22E-12	4.98E-05	5.63E-09
phe.Fasting_rs17236830 S6	PHC3	rs78990344 S2	LOC10050631	3.68E-08	1	3.10E-05	2.40E-10	0.00978442	6.66E-07
phe.Fasting_rs1772407 S7	IFI16	rs140524622 S7	MRPL10	4.82E-06	1	0.00240792	1.22E-07	1	1.69E-04
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs111576333 S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs112089881 S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs112091318 S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1	6.13E-05
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs114334325 S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs114394395 S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs114565620 S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs115083290 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs11524145 S5	CDK6	7.80E-07	1	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs115752779 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs116120727 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs116406581 S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs116696844 S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs11989304 S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs150916187 S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs180772028 S8	"DIAPH1,LOC	rs2153597 S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	0.183916	9.08E-06

phe.Fasting_rs180772028S8	"DIAPH1,LOCrs2835656	S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs34801978	S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs352346	S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs3750898	S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs58905476	S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs60011869	S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs73283603	S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs73392640	S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs734069	S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs74627895	S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs74914207	S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs75506779	S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs75949566	S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs77845645	S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs78990344	S2	LOC1005063!	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs180772028S8	"DIAPH1,LOCrs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs181224861S7	DIAPH1 rs111576333	S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs181224861S7	DIAPH1 rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06

phe.Fasting_rs181224861S7	DIAPH1	rs112091318S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs181224861S7	DIAPH1	rs114334325S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs181224861S7	DIAPH1	rs114394395S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs181224861S7	DIAPH1	rs114565620S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs181224861S7	DIAPH1	rs115083290S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs181224861S7	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs181224861S7	DIAPH1	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs181224861S7	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs181224861S7	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs181224861S7	DIAPH1	rs116011837S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs181224861S7	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs181224861S7	DIAPH1	rs116120727S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs181224861S7	DIAPH1	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs181224861S7	DIAPH1	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs181224861S7	DIAPH1	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs181224861S7	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs181224861S7	DIAPH1	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs181224861S7	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs181224861S7	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs181224861S7	DIAPH1	rs150916187S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs181224861S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs181224861S7	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs181224861S7	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs181224861S7	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs181224861S7	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs181224861S7	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs181224861S7	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_rs181224861S7	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs181224861S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs181224861S7	DIAPH1	rs58905476 S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs181224861S7	DIAPH1	rs60011869 S16	NA	1.04E-05	1	0.00472365	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs181224861S7	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs181224861S7	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs181224861S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs181224861S7	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs181224861S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs181224861S7	DIAPH1	rs734069 S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs181224861S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs181224861S7	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs181224861S7	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07



phe.Fasting_rs181224861S7	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs181224861S7	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs181224861S7	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs181224861S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs181224861S7	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs181224861S7	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs181224861S7	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs181224861S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs181224861S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs181224861S7	DIAPH1	rs77845645	S21	NA	1.53E-06	1	0.000888475	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs181224861S7	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs181224861S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs181224861S7	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs181224861S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs181224861S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs181224861S7	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs181224861S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs181224861S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs181224861S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs181224861S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs181224861S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs181247960S21	"PCDHGA9,Prs112089881	S8	ZFAND4	1.96E-18	7.99E-11	4.03E-14	3.02E-10	0.0122912	1	8.15E-07
phe.Fasting_rs181247960S21	"PCDHGA9,Prs112091318	S5	TMEM64	1.52E-05	1	0.0065785	2.56E-07	1	1	3.30E-04
phe.Fasting_rs181247960S21	"PCDHGA9,Prs114334325	S7	AP3M2	8.70E-16	3.55E-08	2.60E-12	5.52E-06	1	1	4.97E-03
phe.Fasting_rs181247960S21	"PCDHGA9,Prs114394395	S7	AP3M2	9.30E-16	3.80E-08	2.77E-12	5.52E-06	1	1	4.97E-03
phe.Fasting_rs181247960S21	"PCDHGA9,Prs114565620	S8	RCL1	1.29E-17	5.26E-10	1.08E-13	1.39E-08	0.566303	1	2.49E-05
phe.Fasting_rs181247960S21	"PCDHGA9,Prs115305957	S23	NA	1.81E-05	1.00E+00	7.66E-03	1.43E-12	5.82E-05	1	6.44E-09
phe.Fasting_rs181247960S21	"PCDHGA9,Prs115787552	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	1	2.93E-10
phe.Fasting_rs181247960S21	"PCDHGA9,Prs115888477	S8	NA	2.72E-15	1.11E-07	7.62E-12	7.36E-15	3.00E-07	1	6.53E-11
phe.Fasting_rs181247960S21	"PCDHGA9,Prs116011837	S9	BRD2	1.05E-06	1.00E+00	6.32E-04	6.95E-14	2.83E-06	1	4.69E-10
phe.Fasting_rs181247960S21	"PCDHGA9,Prs116079984	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.48E-14	1.82E-06	1	3.11E-10
phe.Fasting_rs181247960S21	"PCDHGA9,Prs116120727	S9	BRD2	1.05E-06	1.00E+00	6.32E-04	6.95E-14	2.83E-06	1	4.69E-10
phe.Fasting_rs181247960S21	"PCDHGA9,Prs116406581	S2	NA	3.68E-15	1.50E-07	9.90E-12	3.30E-06	1	1	3.18E-03
phe.Fasting_rs181247960S21	"PCDHGA9,Prs116548615	S8	TMEM45B	2.04E-17	8.34E-10	1.43E-13	7.86E-12	0.000320069	1	2.98E-08
phe.Fasting_rs181247960S21	"PCDHGA9,Prs116696844	S3	AP3M2	1.40E-15	5.70E-08	4.02E-12	5.52E-06	1	1	4.97E-03
phe.Fasting_rs181247960S21	"PCDHGA9,Prs146815317	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	1	2.93E-10
phe.Fasting_rs181247960S21	"PCDHGA9,Prs150117838	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	1	2.77E-10
phe.Fasting_rs181247960S21	"PCDHGA9,Prs16894241	S4	HIST1H2BK	1.90E-07	1.00E+00	1.36E-04	1.18E-14	4.80E-07	1	1.01E-10
phe.Fasting_rs181247960S21	"PCDHGA9,Prs2153597	S8	ZNF438	5.42E-12	2.22E-04	9.59E-09	5.42E-06	1	1	4.90E-03
phe.Fasting_rs181247960S21	"PCDHGA9,Prs352346	S3	GRPEL2	2.27E-07	1.00E+00	1.60E-04	1.07E-05	1	1	8.65E-03

phe.Fasting_rs181247960S21	"PCDHGA9,Prs57503635	S3	NA	7.95E-08	1.00E+00	6.20E-05	1.16E-14	4.73E-07	1.00E-10		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs60011869	S16	NA	1.45E-06	1.00E+00	8.45E-04	3.19E-10	0.0129858	8.56E-07		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs7004597	S8	NA	8.70E-16	3.55E-08	2.60E-12	3.26E-06	1	3.15E-03		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs7256517	S7	CYTH2	1.38E-16	5.63E-09	5.47E-13	2.91E-10	0.0118364	7.91E-07		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs73392640	S8	POLR3B	3.00E-11	1.22E-03	4.24E-08	4.09E-10	0.0166326	1.07E-06		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs74627895	S8	TMEM64	1.52E-05	1.00E+00	6.58E-03	1.28E-07	1	1.77E-04		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs74701059	S24	C17orf102	1.84E-05	1.00E+00	7.76E-03	2.11E-12	8.58E-05	9.15E-09		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs74914207	S24	NA	1.23E-11	5.03E-04	1.92E-08	1.49E-07	1	2.03E-04		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs75350765	S5	RCL1	1.29E-17	5.26E-10	1.08E-13	1.39E-08	0.566303	2.49E-05		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs75374128	S5	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.01E-06	1	2.08E-03		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs75758702	S24	NA	7.70E-18	3.14E-10	8.50E-14	6.42E-10	0.0261274	1.61E-06		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs75864203	S8	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.01E-06	1	2.08E-03		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs76844308	S8	CNTLN	7.07E-18	2.89E-10	8.18E-14	1.78E-06	1	1.87E-03		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs7763107	S8	FARS2	2.63E-08	1.00E+00	2.28E-05	3.07E-10	0.012484	8.27E-07		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs77798597	S7	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs77845645	S21	NA	2.15E-07	1.00E+00	1.52E-04	2.70E-11	0.00109923	9.29E-08		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs78353402	S8	AP3M2	8.70E-16	3.55E-08	2.60E-12	5.52E-06	1	4.97E-03		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs78516788	S8	SLC38A1	3.43E-12	1.40E-04	6.23E-09	7.67E-09	0.312323	1.47E-05		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs78697063	S5	MSI2	4.23E-20	1.73E-12	2.23E-14	2.49E-10	0.0101226	6.85E-07		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs78722272	S5	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.07E-06	1	2.14E-03		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs78736524	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs79703349	S24	C17orf102	1.84E-05	1.00E+00	7.76E-03	2.63E-12	0.000107117	1.13E-08		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs79781495	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs79886603	S15	NA	1.10E-08	4.48E-01	1.01E-05	9.00E-06	1	7.49E-03		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs80200953	S8	PPP2R5D	1.32E-08	5.39E-01	1.20E-05	3.10E-06	1	3.01E-03		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs80332465	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10		
phe.Fasting_rs181247960S21	"PCDHGA9,Prs80334773	S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10		
phe.Fasting_rs1814	S8	COPG2	rs116079984	S8	KPNA3	6.92E-06	1.00E+00	3.32E-03	7.68E-10	0.0312729	1.90E-06
phe.Fasting_rs1814	S8	COPG2	rs74627895	S8	TMEM64	2.70E-10	1.10E-02	3.26E-07	9.17E-06	1	7.61E-03
phe.Fasting_rs181824655S21	"PCDHGB6,Prs112089881	S8	ZFAND4	1.96E-18	7.99E-11	4.03E-14	3.02E-10	0.0122912	8.15E-07		
phe.Fasting_rs181824655S21	"PCDHGB6,Prs112091318	S5	TMEM64	1.52E-05	1	6.58E-03	2.56E-07	1	3.30E-04		
phe.Fasting_rs181824655S21	"PCDHGB6,Prs114334325	S7	AP3M2	8.70E-16	3.55E-08	2.60E-12	5.52E-06	1	4.97E-03		
phe.Fasting_rs181824655S21	"PCDHGB6,Prs114394395	S7	AP3M2	9.30E-16	3.80E-08	2.77E-12	5.52E-06	1	4.97E-03		
phe.Fasting_rs181824655S21	"PCDHGB6,Prs114565620	S8	RCL1	1.29E-17	5.26E-10	1.08E-13	1.39E-08	0.566303	2.49E-05		
phe.Fasting_rs181824655S21	"PCDHGB6,Prs115305957	S23	NA	1.81E-05	1	0.0076596	1.43E-12	5.82E-05	6.44E-09		
phe.Fasting_rs181824655S21	"PCDHGB6,Prs115787552	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10		
phe.Fasting_rs181824655S21	"PCDHGB6,Prs115888477	S8	NA	2.72E-15	1.11E-07	7.62E-12	7.36E-15	3.00E-07	6.53E-11		
phe.Fasting_rs181824655S21	"PCDHGB6,Prs116011837	S9	BRD2	1.05E-06	1	0.00063174	6.95E-14	2.83E-06	4.69E-10		
phe.Fasting_rs181824655S21	"PCDHGB6,Prs116079984	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.48E-14	1.82E-06	3.11E-10		
phe.Fasting_rs181824655S21	"PCDHGB6,Prs116120727	S9	BRD2	1.05E-06	1.00E+00	6.32E-04	6.95E-14	2.83E-06	4.69E-10		

phe.Fasting_rs181824655 S21	"PCDHGB6,Prs116406581 S2	NA	3.68E-15	1.50E-07	9.90E-12	3.30E-06	1	3.18E-03
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs116548615 S8	TMEM45B	2.04E-17	8.34E-10	1.43E-13	7.86E-12	0.000320069	2.98E-08
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs116696844 S3	AP3M2	1.40E-15	5.70E-08	4.02E-12	5.52E-06	1	4.97E-03
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs146815317 S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs150117838 S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs16894241 S4	HIST1H2BK	1.90E-07	1	1.36E-04	1.18E-14	4.80E-07	1.01E-10
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs2153597 S8	ZNF438	5.42E-12	0.000221525	9.59E-09	5.42E-06	1	4.90E-03
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs352346 S3	GRPEL2	2.27E-07	1	0.000160179	1.07E-05	1	8.65E-03
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs57503635 S3	NA	7.95E-08	1	6.20E-05	1.16E-14	4.73E-07	1.00E-10
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs60011869 S16	NA	1.45E-06	1	0.000845365	3.19E-10	0.0129858	8.56E-07
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs7004597 S8	NA	8.70E-16	3.55E-08	2.60E-12	3.26E-06	1	3.15E-03
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs7256517 S7	CYTH2	1.38E-16	5.63E-09	5.47E-13	2.91E-10	0.0118364	7.91E-07
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs73392640 S8	POLR3B	3.00E-11	0.00122354	4.24E-08	4.09E-10	0.0166326	1.07E-06
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs74627895 S8	TMEM64	1.52E-05	1	6.58E-03	1.28E-07	1	1.77E-04
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs74701059 S24	C17orf102	1.84E-05	1	1.76E-03	2.11E-12	8.58E-05	9.15E-09
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs74914207 S24	NA	1.23E-11	0.000502589	1.92E-08	1.49E-07	1	2.03E-04
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs75350765 S5	RCL1	1.29E-17	5.26E-10	1.08E-13	1.39E-08	0.566303	2.49E-05
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs75374128 S5	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.01E-06	1	2.08E-03
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs75758702 S24	NA	7.70E-18	3.14E-10	8.50E-14	6.42E-10	0.0261274	1.61E-06
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs75864203 S8	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.01E-06	1	2.08E-03
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs76844308 S8	CNTLN	7.07E-18	2.89E-10	8.18E-14	1.78E-06	1	1.87E-03
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs7763107 S8	FARS2	2.63E-08	1	2.28E-05	3.07E-10	0.012484	8.27E-07
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs77798597 S7	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs77845645 S21	NA	2.15E-07	1	1.52E-04	2.70E-11	0.00109923	9.29E-08
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs78353402 S8	AP3M2	8.70E-16	3.55E-08	2.60E-12	5.52E-06	1	4.97E-03
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs78516788 S8	SLC38A1	3.43E-12	0.000140209	6.23E-09	7.67E-09	0.312323	1.47E-05
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs78697063 S5	MSI2	4.23E-20	1.73E-12	2.23E-14	2.49E-10	0.0101226	6.85E-07
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs78722272 S5	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.07E-06	1	2.14E-03
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs78736524 S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs79703349 S24	C17orf102	1.84E-05	1	7.76E-03	2.63E-12	0.000107117	1.13E-08
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs79781495 S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs79886603 S15	NA	1.10E-08	0.447989	1.01E-05	9.00E-06	1	7.49E-03
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs80200953 S8	PPP2R5D	1.32E-08	0.538553	1.20E-05	3.10E-06	1	3.01E-03
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs80332465 S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs181824655 S21	"PCDHGB6,Prs80334773 S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs182714699 S8	DIAPH1 rs111576333 S5	TMEM64	2.37E-06	1	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs182714699 S8	DIAPH1 rs112089881 S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs182714699 S8	DIAPH1 rs112091318 S5	TMEM64	7.32E-07	1	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs182714699 S8	DIAPH1 rs114334325 S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs182714699 S8	DIAPH1 rs114394395 S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04

phe.Fasting_rs182714699S8	DIAPH1	rs114565620S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs182714699S8	DIAPH1	rs115083290S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs182714699S8	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs182714699S8	DIAPH1	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs182714699S8	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs182714699S8	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs182714699S8	DIAPH1	rs116011837S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs182714699S8	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs182714699S8	DIAPH1	rs116120727S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs182714699S8	DIAPH1	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs182714699S8	DIAPH1	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs182714699S8	DIAPH1	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs182714699S8	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs182714699S8	DIAPH1	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs182714699S8	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs182714699S8	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs182714699S8	DIAPH1	rs150916187S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs182714699S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs182714699S8	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs182714699S8	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs182714699S8	DIAPH1	rs2835656 S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs182714699S8	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs182714699S8	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs182714699S8	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_rs182714699S8	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs182714699S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs182714699S8	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs182714699S8	DIAPH1	rs60011869 S16	NA	1.04E-05	1	0.00472365	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs182714699S8	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs182714699S8	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs182714699S8	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs182714699S8	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1	0.0010688	2.03E-07	1	2.68E-04
phe.Fasting_rs182714699S8	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs182714699S8	DIAPH1	rs734069 S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs182714699S8	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs182714699S8	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs182714699S8	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs182714699S8	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs182714699S8	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs182714699S8	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1	3.61E-04	1.10E-08	0.449707	2.03E-05

phe.Fasting_rs182714699S8	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs182714699S8	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs182714699S8	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs182714699S8	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs182714699S8	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs182714699S8	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs182714699S8	DIAPH1	rs77845645	S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs182714699S8	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs182714699S8	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs182714699S8	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs182714699S8	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs182714699S8	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs182714699S8	DIAPH1	rs78990344	S2	LOC1005063	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs182714699S8	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs182714699S8	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs182714699S8	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs182714699S8	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs182714699S8	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs182958142S8	DIAPH1	rs111576333	S5	TMEM64	1.52E-06	1	8.84E-04	1.03E-11	0.000417355	3.79E-08
phe.Fasting_rs182958142S8	DIAPH1	rs112089881	S8	ZFAND4	9.56E-18	3.90E-10	9.45E-14	5.16E-10	0.0209834	1.33E-06
phe.Fasting_rs182958142S8	DIAPH1	rs112091318	S5	TMEM64	4.42E-07	1	2.93E-04	3.61E-09	0.14702	7.50E-06
phe.Fasting_rs182958142S8	DIAPH1	rs114565620	S8	RCL1	5.44E-17	2.22E-09	2.64E-13	3.20E-09	0.130414	6.74E-06
phe.Fasting_rs182958142S8	DIAPH1	rs115787552	S5	KPNA3	1.65E-15	6.72E-08	4.71E-12	3.62E-08	1	5.74E-05
phe.Fasting_rs182958142S8	DIAPH1	rs115888477	S8	NA	1.19E-14	4.86E-07	3.03E-11	5.15E-09	0.209815	1.02E-05
phe.Fasting_rs182958142S8	DIAPH1	rs116011837	S9	BRD2	4.39E-11	0.00179086	5.99E-08	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs182958142S8	DIAPH1	rs116079984	S8	KPNA3	1.65E-15	6.72E-08	4.71E-12	1.63E-10	0.00662252	4.74E-07
phe.Fasting_rs182958142S8	DIAPH1	rs116120727	S9	BRD2	4.39E-11	0.00179086	5.99E-08	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs182958142S8	DIAPH1	rs116548615	S8	TMEM45B	8.54E-17	3.49E-09	3.71E-13	5.83E-13	2.37E-05	2.88E-09
phe.Fasting_rs182958142S8	DIAPH1	rs11989304	S4	TMEM64	1.52E-06	1	8.84E-04	8.87E-10	0.0361204	2.13E-06
phe.Fasting_rs182958142S8	DIAPH1	rs140524622	S7	MRPL10	6.16E-17	2.52E-09	2.86E-13	9.75E-06	1	8.00E-03
phe.Fasting_rs182958142S8	DIAPH1	rs146815317	S5	KPNA3	1.65E-15	6.72E-08	4.71E-12	3.62E-08	1	5.74E-05
phe.Fasting_rs182958142S8	DIAPH1	rs150117838	S8	KPNA3	1.65E-15	6.72E-08	4.71E-12	3.19E-08	1	5.11E-05
phe.Fasting_rs182958142S8	DIAPH1	rs150916187	S4	HIST1H2BK	1.13E-05	1	5.10E-03	1.54E-15	6.29E-08	1.72E-11
phe.Fasting_rs182958142S8	DIAPH1	rs16894241	S4	HIST1H2BK	1.70E-11	0.000696087	2.59E-08	3.83E-15	1.56E-07	3.60E-11
phe.Fasting_rs182958142S8	DIAPH1	rs4732511	S13	POR	1.26E-14	5.14E-07	3.19E-11	4.20E-08	1	6.56E-05
phe.Fasting_rs182958142S8	DIAPH1	rs57503635	S3	NA	3.25E-16	1.33E-08	1.08E-12	2.33E-15	9.50E-08	2.30E-11
phe.Fasting_rs182958142S8	DIAPH1	rs6964407	S7	POR	4.41E-14	1.80E-06	1.05E-10	3.76E-08	1	5.93E-05
phe.Fasting_rs182958142S8	DIAPH1	rs7256517	S7	CYTH2	7.73E-16	3.15E-08	2.35E-12	1.59E-10	0.00645569	4.63E-07
phe.Fasting_rs182958142S8	DIAPH1	rs73619637	S8	NA	6.36E-16	2.60E-08	1.95E-12	1.99E-09	0.0810822	4.40E-06
phe.Fasting_rs182958142S8	DIAPH1	rs74627895	S8	TMEM64	4.42E-07	1.00E+00	2.93E-04	1.69E-09	0.0688053	3.80E-06

phe.Fasting_rs182958142 S8	DIAPH1	rs75350765 S5	RCL1	5.44E-17	2.22E-09	2.64E-13	3.20E-09	0.130414	6.74E-06
phe.Fasting_rs182958142 S8	DIAPH1	rs75374128 S5	CNTLN	1.59E-09	0.0648157	1.68E-06	6.33E-07	1	7.44E-04
phe.Fasting_rs182958142 S8	DIAPH1	rs75758702 S24	NA	1.79E-09	0.0732905	1.89E-06	4.90E-11	0.00199267	1.58E-07
phe.Fasting_rs182958142 S8	DIAPH1	rs75864203 S8	CNTLN	1.59E-09	0.0648157	1.68E-06	6.33E-07	1	7.44E-04
phe.Fasting_rs182958142 S8	DIAPH1	rs75949566 S5	TMEM64	1.72E-06	1	9.81E-04	1.80E-09	0.0732767	4.01E-06
phe.Fasting_rs182958142 S8	DIAPH1	rs76844308 S8	CNTLN	7.15E-10	0.0291815	7.96E-07	6.64E-07	1	7.77E-04
phe.Fasting_rs182958142 S8	DIAPH1	rs7763107 S8	FARS2	4.25E-06	1	2.16E-03	4.71E-08	1	7.27E-05
phe.Fasting_rs182958142 S8	DIAPH1	rs77798597 S7	KPNA3	1.65E-15	6.72E-08	4.71E-12	3.19E-08	1	5.11E-05
phe.Fasting_rs182958142 S8	DIAPH1	rs77845645 S21	NA	8.48E-07	1	5.23E-04	1.02E-09	0.041399	2.41E-06
phe.Fasting_rs182958142 S8	DIAPH1	rs78516788 S8	SLC38A1	2.40E-11	0.000981335	3.50E-08	7.50E-09	0.305182	1.44E-05
phe.Fasting_rs182958142 S8	DIAPH1	rs78697063 S5	MSI2	2.58E-19	1.05E-11	2.40E-14	4.33E-08	1	6.74E-05
phe.Fasting_rs182958142 S8	DIAPH1	rs78722272 S5	CNTLN	1.59E-09	0.0648157	1.68E-06	6.60E-07	1	7.73E-04
phe.Fasting_rs182958142 S8	DIAPH1	rs78736524 S5	KPNA3	1.65E-15	6.72E-08	4.71E-12	3.62E-08	1	5.74E-05
phe.Fasting_rs182958142 S8	DIAPH1	rs78990344 S2	LOC10050631	1.52E-06	1	8.84E-04	8.87E-10	0.0361204	2.13E-06
phe.Fasting_rs182958142 S8	DIAPH1	rs79781495 S8	KPNA3	1.65E-15	6.72E-08	4.71E-12	3.19E-08	1	5.11E-05
phe.Fasting_rs182958142 S8	DIAPH1	rs80200953 S8	PPP2R5D	3.97E-17	1.62E-09	2.13E-13	9.45E-07	1	1.07E-03
phe.Fasting_rs182958142 S8	DIAPH1	rs80332465 S5	KPNA3	1.75E-15	7.15E-08	5.00E-12	3.74E-08	1	5.90E-05
phe.Fasting_rs182958142 S8	DIAPH1	rs80334773 S5	KPNA3	1.75E-15	7.15E-08	5.00E-12	3.74E-08	1	5.90E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs111576333 S5	TMEM64	6.58E-07	1.00E+00	4.19E-04	2.49E-12	0.00010149	1.07E-08
phe.Fasting_rs182965141 S8	DIAPH1	rs112089881 S8	ZFAND4	4.45E-18	1.82E-10	6.40E-14	4.37E-11	0.00177999	1.43E-07
phe.Fasting_rs182965141 S8	DIAPH1	rs112091318 S5	TMEM64	1.96E-07	1.00E+00	1.40E-04	5.53E-08	1	8.40E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs114334325 S7	AP3M2	1.79E-15	7.30E-08	5.11E-12	4.07E-08	1	6.36E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs114394395 S7	AP3M2	1.91E-15	7.78E-08	5.43E-12	4.07E-08	1	6.36E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs114565620 S8	RCL1	2.74E-17	1.12E-09	1.64E-13	5.40E-07	1	6.42E-04
phe.Fasting_rs182965141 S8	DIAPH1	rs115083290 S19	NA	1.09E-16	4.45E-09	4.59E-13	7.39E-10	0.0300678	1.83E-06
phe.Fasting_rs182965141 S8	DIAPH1	rs115752779 S19	NA	1.09E-16	4.45E-09	4.59E-13	7.39E-10	0.0300678	1.83E-06
phe.Fasting_rs182965141 S8	DIAPH1	rs115787552 S5	KPNA3	6.69E-16	2.73E-08	2.05E-12	5.19E-15	2.11E-07	4.77E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs115888477 S8	NA	4.74E-15	1.94E-07	1.24E-11	8.30E-16	3.38E-08	1.16E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs116011837 S9	BRD2	1.24E-11	0.000507427	1.94E-08	1.84E-15	7.47E-08	2.00E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs116079984 S8	KPNA3	6.69E-16	2.73E-08	2.05E-12	5.75E-15	2.34E-07	5.25E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs116120727 S9	BRD2	1.24E-11	0.000507427	1.94E-08	1.84E-15	7.47E-08	2.00E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs116406581 S2	NA	8.22E-15	3.36E-07	2.10E-11	2.33E-08	0.947819	3.87E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs116548615 S8	TMEM45B	4.49E-17	1.83E-09	2.29E-13	3.95E-13	1.61E-05	2.13E-09
phe.Fasting_rs182965141 S8	DIAPH1	rs116696844 S3	AP3M2	2.68E-15	1.09E-07	7.51E-12	4.07E-08	1	6.36E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs11989304 S4	TMEM64	6.58E-07	1	0.000419199	3.02E-10	0.0123046	8.16E-07
phe.Fasting_rs182965141 S8	DIAPH1	rs140524622 S7	MRPL10	2.43E-17	9.92E-10	1.52E-13	1.07E-06	1	1.20E-03
phe.Fasting_rs182965141 S8	DIAPH1	rs146815317 S5	KPNA3	6.69E-16	2.73E-08	2.05E-12	5.19E-15	2.11E-07	4.77E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs150117838 S8	KPNA3	6.69E-16	2.73E-08	2.05E-12	4.80E-15	1.95E-07	4.44E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs150916187 S4	HIST1H2BK	4.92E-06	1	0.00245471	5.78E-16	2.35E-08	1.16E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs16894241 S4	HIST1H2BK	5.06E-12	0.000206577	9.00E-09	1.66E-15	6.76E-08	1.84E-11

phe.Fasting_rs182965141 S8	DIAPH1	rs34801978 S3	HOXB2	2.43E-06	1	0.00132002	4.55E-09	0.185282	9.15E-06
phe.Fasting_rs182965141 S8	DIAPH1	rs4732511 S13	POR	8.79E-15	3.59E-07	2.25E-11	3.54E-07	1	4.40E-04
phe.Fasting_rs182965141 S8	DIAPH1	rs57503635 S3	NA	1.66E-16	6.79E-09	6.03E-13	2.32E-15	9.45E-08	2.29E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs60011869 S16	NA	2.27E-06	1	0.00124823	5.94E-08	1	8.97E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs6964407 S7	POR	3.24E-14	1.32E-06	7.87E-11	3.23E-07	1	4.05E-04
phe.Fasting_rs182965141 S8	DIAPH1	rs7004597 S8	NA	1.79E-15	7.30E-08	5.11E-12	2.21E-08	0.899461	3.74E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs7256517 S7	CYTH2	2.17E-16	8.84E-09	7.40E-13	2.24E-13	9.10E-06	1.24E-09
phe.Fasting_rs182965141 S8	DIAPH1	rs73283603 S7	ZWINT	4.89E-07	1	0.000321768	1.65E-08	0.673631	2.90E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs73392640 S8	POLR3B	5.86E-11	0.00239099	7.87E-08	1.80E-12	7.33E-05	7.89E-09
phe.Fasting_rs182965141 S8	DIAPH1	rs73619637 S8	NA	2.73E-16	1.11E-08	9.16E-13	1.81E-08	0.738748	3.15E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs74627895 S8	TMEM64	1.96E-07	1	0.000140264	2.52E-08	1	4.14E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs74914207 S24	NA	3.56E-11	0.00145284	4.96E-08	4.17E-12	0.000169874	1.68E-08
phe.Fasting_rs182965141 S8	DIAPH1	rs75350765 S5	RCL1	2.74E-17	1.12E-09	1.64E-13	5.40E-07	1	6.42E-04
phe.Fasting_rs182965141 S8	DIAPH1	rs75374128 S5	CNTLN	5.48E-06	1	0.00269684	4.49E-09	0.182692	9.06E-06
phe.Fasting_rs182965141 S8	DIAPH1	rs75506779 S5	TMCO3	1.25E-07	1	9.30E-05	8.17E-10	0.0332637	1.99E-06
phe.Fasting_rs182965141 S8	DIAPH1	rs75758702 S24	NA	3.26E-17	1.33E-09	1.82E-13	2.96E-12	0.0001205	1.26E-08
phe.Fasting_rs182965141 S8	DIAPH1	rs75864203 S8	CNTLN	5.48E-06	1	0.00269684	4.49E-09	0.182692	9.06E-06
phe.Fasting_rs182965141 S8	DIAPH1	rs75949566 S5	TMEM64	7.74E-07	1	0.000482917	4.00E-10	0.0162952	1.05E-06
phe.Fasting_rs182965141 S8	DIAPH1	rs76844308 S8	CNTLN	2.78E-06	1	0.00148019	7.77E-09	0.31611	1.49E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs7763107 S8	FARS2	1.61E-16	6.58E-09	6.03E-13	3.34E-13	1.36E-05	1.81E-09
phe.Fasting_rs182965141 S8	DIAPH1	rs77798597 S7	KPNA3	6.69E-16	2.73E-08	2.05E-12	4.80E-15	1.95E-07	4.44E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs77845645 S21	NA	3.86E-07	1	0.000261363	2.90E-12	0.000118021	1.23E-08
phe.Fasting_rs182965141 S8	DIAPH1	rs78353402 S8	AP3M2	1.79E-15	7.30E-08	5.11E-12	4.07E-08	1	6.36E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs78516788 S8	SLC38A1	1.44E-06	1	8.44E-04	3.82E-10	0.0155585	1.01E-06
phe.Fasting_rs182965141 S8	DIAPH1	rs78697063 S5	MSI2	1.17E-19	4.76E-12	2.23E-14	4.64E-08	1	7.17E-05
phe.Fasting_rs182965141 S8	DIAPH1	rs78703708 S7	FAF2	9.02E-12	0.000368188	1.48E-08	1.07E-05	1	8.63E-03
phe.Fasting_rs182965141 S8	DIAPH1	rs78722272 S5	CNTLN	5.48E-06	1	2.70E-03	4.62E-09	0.187916	9.25E-06
phe.Fasting_rs182965141 S8	DIAPH1	rs78736524 S5	KPNA3	6.69E-16	2.73E-08	2.05E-12	5.19E-15	2.11E-07	4.77E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs78990344 S2	LOC10050631	6.58E-07	1	0.000419199	3.02E-10	0.0123046	8.16E-07
phe.Fasting_rs182965141 S8	DIAPH1	rs79781495 S8	KPNA3	6.69E-16	2.73E-08	2.05E-12	4.80E-15	1.95E-07	4.44E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs80200953 S8	PPP2R5D	1.93E-17	7.87E-10	1.39E-13	2.89E-10	0.0117656	7.87E-07
phe.Fasting_rs182965141 S8	DIAPH1	rs80332465 S5	KPNA3	7.09E-16	2.89E-08	2.17E-12	5.17E-15	2.10E-07	4.75E-11
phe.Fasting_rs182965141 S8	DIAPH1	rs80334773 S5	KPNA3	7.09E-16	2.89E-08	2.17E-12	5.17E-15	2.10E-07	4.75E-11
phe.Fasting_rs183597049 S7	DIAPH1	rs111576333 S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs183597049 S7	DIAPH1	rs112089881 S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs183597049 S7	DIAPH1	rs112091318 S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1	6.13E-05
phe.Fasting_rs183597049 S7	DIAPH1	rs114334325 S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs183597049 S7	DIAPH1	rs114394395 S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs183597049 S7	DIAPH1	rs114565620 S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs183597049 S7	DIAPH1	rs115083290 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05

phe.Fasting_rs183597049S7	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs183597049S7	DIAPH1	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs183597049S7	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs183597049S7	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs183597049S7	DIAPH1	rs116011837S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs183597049S7	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs183597049S7	DIAPH1	rs116120727S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs183597049S7	DIAPH1	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs183597049S7	DIAPH1	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs183597049S7	DIAPH1	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs183597049S7	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs183597049S7	DIAPH1	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs183597049S7	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs183597049S7	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs183597049S7	DIAPH1	rs150916187S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs183597049S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs183597049S7	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs183597049S7	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs183597049S7	DIAPH1	rs2835656 S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs183597049S7	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs183597049S7	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs183597049S7	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_rs183597049S7	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs183597049S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs183597049S7	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs183597049S7	DIAPH1	rs60011869 S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs183597049S7	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs183597049S7	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs183597049S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs183597049S7	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs183597049S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs183597049S7	DIAPH1	rs734069 S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs183597049S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs183597049S7	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs183597049S7	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs183597049S7	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs183597049S7	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs183597049S7	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs183597049S7	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs183597049S7	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04



phe.Fasting_rs183597049S7	DIAPH1	rs75949566 S5	TMEM64	2.76E-06	1	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs183597049S7	DIAPH1	rs76844308 S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs183597049S7	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs183597049S7	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs183597049S7	DIAPH1	rs77845645 S21	NA	1.53E-06	1	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs183597049S7	DIAPH1	rs78353402 S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs183597049S7	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs183597049S7	DIAPH1	rs78697063 S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs183597049S7	DIAPH1	rs78722272 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs183597049S7	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs183597049S7	DIAPH1	rs78990344 S2	LOC10050631	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs183597049S7	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs183597049S7	DIAPH1	rs79886603 S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs183597049S7	DIAPH1	rs80200953 S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs183597049S7	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs183597049S7	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs183980988S2	NA	rs111576333S5	TMEM64	2.37E-06	1	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs183980988S2	NA	rs112089881S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs183980988S2	NA	rs112091318S5	TMEM64	7.32E-07	1	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs183980988S2	NA	rs114334325S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs183980988S2	NA	rs114394395S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs183980988S2	NA	rs114565620S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs183980988S2	NA	rs115083290S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs183980988S2	NA	rs11524145 S5	CDK6	7.80E-07	1	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs183980988S2	NA	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs183980988S2	NA	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs183980988S2	NA	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs183980988S2	NA	rs116011837S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs183980988S2	NA	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs183980988S2	NA	rs116120727S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs183980988S2	NA	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs183980988S2	NA	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs183980988S2	NA	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs183980988S2	NA	rs11989304 S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs183980988S2	NA	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs183980988S2	NA	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs183980988S2	NA	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs183980988S2	NA	rs150916187S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs183980988S2	NA	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs183980988S2	NA	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03

phe.Fasting_rs183980988 S2	NA	rs2153597	S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs183980988 S2	NA	rs2835656	S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs183980988 S2	NA	rs34801978	S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs183980988 S2	NA	rs352346	S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs183980988 S2	NA	rs3750898	S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs183980988 S2	NA	rs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs183980988 S2	NA	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs183980988 S2	NA	rs58905476	S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs183980988 S2	NA	rs60011869	S16	NA	1.04E-05	1	0.00472365	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs183980988 S2	NA	rs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs183980988 S2	NA	rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs183980988 S2	NA	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs183980988 S2	NA	rs73283603	S7	ZWINT	1.90E-06	1	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs183980988 S2	NA	rs73392640	S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs183980988 S2	NA	rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs183980988 S2	NA	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs183980988 S2	NA	rs74627895	S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs183980988 S2	NA	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs183980988 S2	NA	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs183980988 S2	NA	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs183980988 S2	NA	rs75506779	S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs183980988 S2	NA	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs183980988 S2	NA	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs183980988 S2	NA	rs75949566	S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs183980988 S2	NA	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs183980988 S2	NA	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs183980988 S2	NA	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs183980988 S2	NA	rs77845645	S21	NA	1.53E-06	1	0.000888475	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs183980988 S2	NA	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs183980988 S2	NA	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs183980988 S2	NA	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs183980988 S2	NA	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs183980988 S2	NA	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs183980988 S2	NA	rs78990344	S2	LOC10050631	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs183980988 S2	NA	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs183980988 S2	NA	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs183980988 S2	NA	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs183980988 S2	NA	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs183980988 S2	NA	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs184233232 S7	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10

phe.Fasting_rs184233232S7	DIAPH1	rs112089881S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs184233232S7	DIAPH1	rs112091318S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1	6.13E-05
phe.Fasting_rs184233232S7	DIAPH1	rs114334325S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs184233232S7	DIAPH1	rs114394395S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs184233232S7	DIAPH1	rs114565620S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs184233232S7	DIAPH1	rs115083290S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs184233232S7	DIAPH1	rs11524145S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs184233232S7	DIAPH1	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs184233232S7	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs184233232S7	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs184233232S7	DIAPH1	rs116011837S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs184233232S7	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs184233232S7	DIAPH1	rs116120727S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs184233232S7	DIAPH1	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs184233232S7	DIAPH1	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs184233232S7	DIAPH1	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs184233232S7	DIAPH1	rs11989304S4	TMEM64	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs184233232S7	DIAPH1	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs184233232S7	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs184233232S7	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs184233232S7	DIAPH1	rs150916187S4	HIST1H2BK	1.38E-05	1	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs184233232S7	DIAPH1	rs16894241S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs184233232S7	DIAPH1	rs2032062S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs184233232S7	DIAPH1	rs2153597S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs184233232S7	DIAPH1	rs2835656S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs184233232S7	DIAPH1	rs34801978S3	HOXB2	1.23E-05	1	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs184233232S7	DIAPH1	rs352346S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs184233232S7	DIAPH1	rs3750898S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs184233232S7	DIAPH1	rs4732511S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs184233232S7	DIAPH1	rs57503635S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs184233232S7	DIAPH1	rs58905476S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs184233232S7	DIAPH1	rs60011869S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs184233232S7	DIAPH1	rs6964407S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs184233232S7	DIAPH1	rs7004597S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs184233232S7	DIAPH1	rs7256517S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs184233232S7	DIAPH1	rs73283603S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs184233232S7	DIAPH1	rs73392640S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs184233232S7	DIAPH1	rs734069S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs184233232S7	DIAPH1	rs73619637S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs184233232S7	DIAPH1	rs74627895S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	0.828094	3.48E-05

phe.Fasting_rs184233232S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs184233232S7	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs184233232S7	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs184233232S7	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs184233232S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs184233232S7	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs184233232S7	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs184233232S7	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs184233232S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs184233232S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs184233232S7	DIAPH1	rs77845645	S21	NA	1.53E-06	1	0.000888475	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs184233232S7	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs184233232S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs184233232S7	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs184233232S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs184233232S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs184233232S7	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs184233232S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs184233232S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs184233232S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs184233232S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs184233232S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs184509477S13	"PCDHGB4,Prs111576333S5			TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs184509477S13	"PCDHGB4,Prs112089881S8			ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs184509477S13	"PCDHGB4,Prs112091318S5			TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs184509477S13	"PCDHGB4,Prs114334325S7			AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs184509477S13	"PCDHGB4,Prs114394395S7			AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs184509477S13	"PCDHGB4,Prs114565620S8			RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs184509477S13	"PCDHGB4,Prs115083290S19			NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs184509477S13	"PCDHGB4,Prs11524145 S5			CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs184509477S13	"PCDHGB4,Prs115752779S19			NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs184509477S13	"PCDHGB4,Prs115787552S5			KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs184509477S13	"PCDHGB4,Prs115888477S8			NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs184509477S13	"PCDHGB4,Prs116011837S9			BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs184509477S13	"PCDHGB4,Prs116079984S8			KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs184509477S13	"PCDHGB4,Prs116120727S9			BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs184509477S13	"PCDHGB4,Prs116406581S2			NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs184509477S13	"PCDHGB4,Prs116548615S8			TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs184509477S13	"PCDHGB4,Prs116696844S3			AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs184509477S13	"PCDHGB4,Prs11989304 S4			TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07

phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs150916187 S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs2835656 S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs34801978 S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs352346 S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs3750898 S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs58905476 S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs60011869 S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs73283603 S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs73392640 S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs734069 S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs74627895 S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs75506779 S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs75949566 S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs76844308 S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs77845645 S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs78353402 S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs78516788 S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs78697063 S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs78722272 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs184509477 S13	"PCDHGB4,Pirs78990344 S2	LOC1005063	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07

phe.Fasting_rs184509477 S13	"PCDHGB4,Prs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs184509477 S13	"PCDHGB4,Prs79886603 S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs184509477 S13	"PCDHGB4,Prs80200953 S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs184509477 S13	"PCDHGB4,Prs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs184509477 S13	"PCDHGB4,Prs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs111576333) S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs112089881) S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs185069296 S15	"LOC100505(rs112091318) S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs185069296 S15	"LOC100505(rs114334325) S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs185069296 S15	"LOC100505(rs114394395) S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs185069296 S15	"LOC100505(rs114565620) S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs185069296 S15	"LOC100505(rs115083290) S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs185069296 S15	"LOC100505(rs11524145) S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs185069296 S15	"LOC100505(rs115752779) S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs185069296 S15	"LOC100505(rs115787552) S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs115888477) S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs116011837) S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs116079984) S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs116120727) S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs116406581) S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs185069296 S15	"LOC100505(rs116548615) S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs185069296 S15	"LOC100505(rs116696844) S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs185069296 S15	"LOC100505(rs11989304) S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs185069296 S15	"LOC100505(rs140524622) S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs185069296 S15	"LOC100505(rs146815317) S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs150117838) S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs150916187) S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs16894241) S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs2032062) S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs185069296 S15	"LOC100505(rs2153597) S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs185069296 S15	"LOC100505(rs2835656) S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs185069296 S15	"LOC100505(rs34801978) S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs185069296 S15	"LOC100505(rs352346) S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs185069296 S15	"LOC100505(rs3750898) S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_rs185069296 S15	"LOC100505(rs4732511) S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs185069296 S15	"LOC100505(rs57503635) S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs185069296 S15	"LOC100505(rs58905476) S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs185069296 S15	"LOC100505(rs60011869) S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs185069296 S15	"LOC100505(rs6964407) S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs185069296 S15	"LOC100505(rs7004597) S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04

phe.Fasting_	rs185069296	S15	"LOC100505(rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08	
phe.Fasting_	rs185069296	S15	"LOC100505(rs73283603	S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04	
phe.Fasting_	rs185069296	S15	"LOC100505(rs73392640	S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07	
phe.Fasting_	rs185069296	S15	"LOC100505(rs734069	S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	0.0272994	1.68E-06	
phe.Fasting_	rs185069296	S15	"LOC100505(rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07	
phe.Fasting_	rs185069296	S15	"LOC100505(rs74627895	S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	0.828094	3.48E-05	
phe.Fasting_	rs185069296	S15	"LOC100505(rs74914207	S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	0.0037135	2.80E-07	
phe.Fasting_	rs185069296	S15	"LOC100505(rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05	
phe.Fasting_	rs185069296	S15	"LOC100505(rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04	
phe.Fasting_	rs185069296	S15	"LOC100505(rs75506779	S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	0.449707	2.03E-05	
phe.Fasting_	rs185069296	S15	"LOC100505(rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07	
phe.Fasting_	rs185069296	S15	"LOC100505(rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04	
phe.Fasting_	rs185069296	S15	"LOC100505(rs75949566	S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	0.00345267	2.62E-07	
phe.Fasting_	rs185069296	S15	"LOC100505(rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04	
phe.Fasting_	rs185069296	S15	"LOC100505(rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08	
phe.Fasting_	rs185069296	S15	"LOC100505(rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs185069296	S15	"LOC100505(rs77845645	S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	0.00170882	1.38E-07	
phe.Fasting_	rs185069296	S15	"LOC100505(rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04	
phe.Fasting_	rs185069296	S15	"LOC100505(rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07	
phe.Fasting_	rs185069296	S15	"LOC100505(rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06	
phe.Fasting_	rs185069296	S15	"LOC100505(rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04	
phe.Fasting_	rs185069296	S15	"LOC100505(rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10	
phe.Fasting_	rs185069296	S15	"LOC100505(rs78990344	S2	LOC1005063	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07	
phe.Fasting_	rs185069296	S15	"LOC100505(rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10	
phe.Fasting_	rs185069296	S15	"LOC100505(rs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04	
phe.Fasting_	rs185069296	S15	"LOC100505(rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06	
phe.Fasting_	rs185069296	S15	"LOC100505(rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs185069296	S15	"LOC100505(rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10	
phe.Fasting_	rs185502834	S8	DIAPH1	rs111576333	S5	TMEM64	5.56E-07	1.00E+00	3.61E-04	7.80E-15	3.17E-07	6.90E-11
phe.Fasting_	rs185502834	S8	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_	rs185502834	S8	DIAPH1	rs112091318	S5	TMEM64	1.64E-07	1.00E+00	1.18E-04	9.13E-09	0.371559	1.72E-05
phe.Fasting_	rs185502834	S8	DIAPH1	rs114334325	S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1	1.26E-04
phe.Fasting_	rs185502834	S8	DIAPH1	rs114394395	S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	8.81E-08	1	1.26E-04
phe.Fasting_	rs185502834	S8	DIAPH1	rs114565620	S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	0.335069	1.57E-05
phe.Fasting_	rs185502834	S8	DIAPH1	rs115083290	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	0.11274	5.90E-06
phe.Fasting_	rs185502834	S8	DIAPH1	rs115752779	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	0.11274	5.90E-06
phe.Fasting_	rs185502834	S8	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_	rs185502834	S8	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_	rs185502834	S8	DIAPH1	rs116011837	S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_	rs185502834	S8	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10

phe.Fasting_rs185502834 S8	DIAPH1	rs116120727 S9	BRD2	9.60E-12	3.92E-04	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs185502834 S8	DIAPH1	rs116406581 S2	NA	5.24E-15	2.14E-07	1.36E-11	5.32E-08	1	8.11E-05
phe.Fasting_rs185502834 S8	DIAPH1	rs116548615 S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs185502834 S8	DIAPH1	rs116696844 S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs185502834 S8	DIAPH1	rs11989304 S4	TMEM64	5.56E-07	1.00E+00	3.61E-04	1.11E-11	0.000453381	4.10E-08
phe.Fasting_rs185502834 S8	DIAPH1	rs140524622 S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.83E-06	1	2.79E-03
phe.Fasting_rs185502834 S8	DIAPH1	rs146815317 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs185502834 S8	DIAPH1	rs150117838 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs185502834 S8	DIAPH1	rs150916187 S4	HIST1H2BK	4.14E-06	1	0.00210616	2.61E-15	1.06E-07	2.55E-11
phe.Fasting_rs185502834 S8	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs185502834 S8	DIAPH1	rs34801978 S3	HOXB2	2.19E-06	1	0.00120758	1.65E-09	0.0670533	3.72E-06
phe.Fasting_rs185502834 S8	DIAPH1	rs4732511 S13	POR	9.61E-15	3.93E-07	2.45E-11	2.36E-06	1	2.39E-03
phe.Fasting_rs185502834 S8	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs185502834 S8	DIAPH1	rs60011869 S16	NA	2.13E-06	1	0.00118391	1.78E-07	1	2.39E-04
phe.Fasting_rs185502834 S8	DIAPH1	rs6964407 S7	POR	3.32E-14	1.36E-06	8.04E-11	2.16E-06	1	2.22E-03
phe.Fasting_rs185502834 S8	DIAPH1	rs7004597 S8	NA	1.25E-15	5.12E-08	3.65E-12	5.12E-08	1	7.84E-05
phe.Fasting_rs185502834 S8	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs185502834 S8	DIAPH1	rs73283603 S7	ZWINT	4.49E-07	1	2.97E-04	4.53E-08	1	7.02E-05
phe.Fasting_rs185502834 S8	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs185502834 S8	DIAPH1	rs73619637 S8	NA	2.00E-16	8.15E-09	6.95E-13	6.35E-08	1	9.54E-05
phe.Fasting_rs185502834 S8	DIAPH1	rs74627895 S8	TMEM64	1.64E-07	1.00E+00	1.18E-04	4.42E-09	0.179944	8.98E-06
phe.Fasting_rs185502834 S8	DIAPH1	rs74914207 S24	NA	2.89E-11	1.18E-03	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_rs185502834 S8	DIAPH1	rs75350765 S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	0.335069	1.57E-05
phe.Fasting_rs185502834 S8	DIAPH1	rs75374128 S5	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.83E-08	0.746586	3.18E-05
phe.Fasting_rs185502834 S8	DIAPH1	rs75506779 S5	TMCO3	1.04E-07	1.00E+00	7.88E-05	2.32E-09	0.0942949	5.04E-06
phe.Fasting_rs185502834 S8	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_rs185502834 S8	DIAPH1	rs75864203 S8	CNTLN	5.25E-06	1	2.60E-03	1.83E-08	0.746586	3.18E-05
phe.Fasting_rs185502834 S8	DIAPH1	rs75949566 S5	TMEM64	6.52E-07	1.00E+00	4.16E-04	1.49E-11	0.000607747	5.38E-08
phe.Fasting_rs185502834 S8	DIAPH1	rs76844308 S8	CNTLN	2.67E-06	1	1.44E-03	1.80E-08	0.73432	3.14E-05
phe.Fasting_rs185502834 S8	DIAPH1	rs7763107 S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs185502834 S8	DIAPH1	rs77798597 S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs185502834 S8	DIAPH1	rs77845645 S21	NA	3.35E-07	1	2.29E-04	1.04E-11	0.000424266	3.85E-08
phe.Fasting_rs185502834 S8	DIAPH1	rs78353402 S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs185502834 S8	DIAPH1	rs78516788 S8	SLC38A1	1.24E-06	1.00E+00	7.38E-04	2.76E-09	0.112313	5.89E-06
phe.Fasting_rs185502834 S8	DIAPH1	rs78697063 S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_rs185502834 S8	DIAPH1	rs78703708 S7	FAF2	7.40E-12	3.02E-04	1.27E-08	7.08E-06	1	6.12E-03
phe.Fasting_rs185502834 S8	DIAPH1	rs78722272 S5	CNTLN	5.25E-06	1.00E+00	2.60E-03	1.89E-08	0.767323	3.26E-05
phe.Fasting_rs185502834 S8	DIAPH1	rs78736524 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs185502834 S8	DIAPH1	rs78990344 S2	LOC10050631	5.56E-07	1.00E+00	3.61E-04	1.11E-11	0.000453381	4.10E-08
phe.Fasting_rs185502834 S8	DIAPH1	rs79781495 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10



phe.Fasting_rs185502834S8	DIAPH1	rs80200953 S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.37E-10	0.034062	2.03E-06
phe.Fasting_rs185502834S8	DIAPH1	rs80332465 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs185502834S8	DIAPH1	rs80334773 S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs185502834S8	DIAPH1	rs891061 S7	POP4	6.59E-07	1.00E+00	4.20E-04	1.19E-05	1	9.35E-03
phe.Fasting_rs185759881S7	DIAPH1	rs111576333S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs185759881S7	DIAPH1	rs112089881S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs185759881S7	DIAPH1	rs112091318S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs185759881S7	DIAPH1	rs114334325S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs185759881S7	DIAPH1	rs114394395S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs185759881S7	DIAPH1	rs114565620S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs185759881S7	DIAPH1	rs115083290S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs185759881S7	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs185759881S7	DIAPH1	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs185759881S7	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs185759881S7	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs185759881S7	DIAPH1	rs116011837S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs185759881S7	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs185759881S7	DIAPH1	rs116120727 S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs185759881S7	DIAPH1	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs185759881S7	DIAPH1	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs185759881S7	DIAPH1	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs185759881S7	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs185759881S7	DIAPH1	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs185759881S7	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs185759881S7	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs185759881S7	DIAPH1	rs150916187S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs185759881S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs185759881S7	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs185759881S7	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs185759881S7	DIAPH1	rs2835656 S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs185759881S7	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs185759881S7	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs185759881S7	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_rs185759881S7	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs185759881S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs185759881S7	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs185759881S7	DIAPH1	rs60011869 S16	NA	1.04E-05	1	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs185759881S7	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs185759881S7	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs185759881S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08

phe.Fasting_rs185759881S7	DIAPH1	rs73283603	S7	ZWINT	1.90E-06	1	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs185759881S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs185759881S7	DIAPH1	rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs185759881S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs185759881S7	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs185759881S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs185759881S7	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs185759881S7	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs185759881S7	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs185759881S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs185759881S7	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs185759881S7	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs185759881S7	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs185759881S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs185759881S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs185759881S7	DIAPH1	rs77845645	S21	NA	1.53E-06	1	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs185759881S7	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs185759881S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs185759881S7	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs185759881S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs185759881S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs185759881S7	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs185759881S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs185759881S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs185759881S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs185759881S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs185759881S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs186288044S21	"PCDHGB4,Prs112089881	S8	ZFAND4	1.96E-18	7.99E-11	4.03E-14	3.02E-10	0.0122912	1	8.15E-07
phe.Fasting_rs186288044S21	"PCDHGB4,Prs112091318	S5	TMEM64	1.52E-05	1	6.58E-03	2.56E-07	1	1	3.30E-04
phe.Fasting_rs186288044S21	"PCDHGB4,Prs114334325	S7	AP3M2	8.70E-16	3.55E-08	2.60E-12	5.52E-06	1	1	4.97E-03
phe.Fasting_rs186288044S21	"PCDHGB4,Prs114394395	S7	AP3M2	9.30E-16	3.80E-08	2.77E-12	5.52E-06	1	1	4.97E-03
phe.Fasting_rs186288044S21	"PCDHGB4,Prs114565620	S8	RCL1	1.29E-17	5.26E-10	1.08E-13	1.39E-08	0.566303	1	2.49E-05
phe.Fasting_rs186288044S21	"PCDHGB4,Prs115305957	S23	NA	1.81E-05	1	7.66E-03	1.43E-12	5.82E-05	1	6.44E-09
phe.Fasting_rs186288044S21	"PCDHGB4,Prs115787552	S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	1	2.93E-10
phe.Fasting_rs186288044S21	"PCDHGB4,Prs115888477	S8	NA	2.72E-15	1.11E-07	7.62E-12	7.36E-15	3.00E-07	1	6.53E-11
phe.Fasting_rs186288044S21	"PCDHGB4,Prs116011837	S9	BRD2	1.05E-06	1	6.32E-04	6.95E-14	2.83E-06	1	4.69E-10
phe.Fasting_rs186288044S21	"PCDHGB4,Prs116079984	S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.48E-14	1.82E-06	1	3.11E-10
phe.Fasting_rs186288044S21	"PCDHGB4,Prs116120727	S9	BRD2	1.05E-06	1	6.32E-04	6.95E-14	2.83E-06	1	4.69E-10
phe.Fasting_rs186288044S21	"PCDHGB4,Prs116406581	S2	NA	3.68E-15	1.50E-07	9.90E-12	3.30E-06	1	1	3.18E-03
phe.Fasting_rs186288044S21	"PCDHGB4,Prs116548615	S8	TMEM45B	2.04E-17	8.34E-10	1.43E-13	7.86E-12	0.000320069	1	2.98E-08

phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs116696844 S3	AP3M2	1.40E-15	5.70E-08	4.02E-12	5.52E-06	1	4.97E-03
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs146815317 S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs150117838 S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs16894241 S4	HIST1H2BK	1.90E-07	1.00E+00	1.36E-04	1.18E-14	4.80E-07	1.01E-10
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs2153597 S8	ZNF438	5.42E-12	2.22E-04	9.59E-09	5.42E-06	1	4.90E-03
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs352346 S3	GRPEL2	2.27E-07	1.00E+00	1.60E-04	1.07E-05	1	8.65E-03
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs57503635 S3	NA	7.95E-08	1.00E+00	6.20E-05	1.16E-14	4.73E-07	1.00E-10
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs60011869 S16	NA	1.45E-06	1.00E+00	8.45E-04	3.19E-10	0.0129858	8.56E-07
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs7004597 S8	NA	8.70E-16	3.55E-08	2.60E-12	3.26E-06	1	3.15E-03
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs7256517 S7	CYTH2	1.38E-16	5.63E-09	5.47E-13	2.91E-10	0.0118364	7.91E-07
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs73392640 S8	POLR3B	3.00E-11	1.22E-03	4.24E-08	4.09E-10	0.0166326	1.07E-06
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs74627895 S8	TMEM64	1.52E-05	1.00E+00	6.58E-03	1.28E-07	1	1.77E-04
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs74701059 S24	C17orf102	1.84E-05	1.00E+00	7.76E-03	2.11E-12	8.58E-05	9.15E-09
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs74914207 S24	NA	1.23E-11	5.03E-04	1.92E-08	1.49E-07	1	2.03E-04
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs75350765 S5	RCL1	1.29E-17	5.26E-10	1.08E-13	1.39E-08	0.566303	2.49E-05
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs75374128 S5	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.01E-06	1	2.08E-03
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs75758702 S24	NA	7.70E-18	3.14E-10	8.50E-14	6.42E-10	0.0261274	1.61E-06
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs75864203 S8	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.01E-06	1	2.08E-03
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs76844308 S8	CNTLN	7.07E-18	2.89E-10	8.18E-14	1.78E-06	1	1.87E-03
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs7763107 S8	FARS2	2.63E-08	1.00E+00	2.28E-05	3.07E-10	0.012484	8.27E-07
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs77798597 S7	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs77845645 S21	NA	2.15E-07	1.00E+00	1.52E-04	2.70E-11	0.00109923	9.29E-08
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs78353402 S8	AP3M2	8.70E-16	3.55E-08	2.60E-12	5.52E-06	1	4.97E-03
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs78516788 S8	SLC38A1	3.43E-12	1.40E-04	6.23E-09	7.67E-09	0.312323	1.47E-05
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs78697063 S5	MSI2	4.23E-20	1.73E-12	2.23E-14	2.49E-10	0.0101226	6.85E-07
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs78722272 S5	CNTLN	1.32E-17	5.41E-10	1.09E-13	2.07E-06	1	2.14E-03
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs78736524 S5	KPNA3	3.78E-16	1.54E-08	1.23E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs79703349 S24	C17orf102	1.84E-05	1.00E+00	7.76E-03	2.63E-12	0.000107117	1.13E-08
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs79781495 S8	KPNA3	3.78E-16	1.54E-08	1.23E-12	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs79886603 S15	NA	1.10E-08	4.48E-01	1.01E-05	9.00E-06	1	7.49E-03
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs80200953 S8	PPP2R5D	1.32E-08	5.39E-01	1.20E-05	3.10E-06	1	3.01E-03
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs80332465 S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs186288044 S21	"PCDHGB4,Pirs80334773 S5	KPNA3	4.04E-16	1.65E-08	1.31E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs187000011 S11	DIAPH1 rs111576333 S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs187000011 S11	DIAPH1 rs112089881 S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs187000011 S11	DIAPH1 rs112091318 S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs187000011 S11	DIAPH1 rs114334325 S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs187000011 S11	DIAPH1 rs114394395 S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs187000011 S11	DIAPH1 rs114565620 S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs187000011 S11	DIAPH1 rs115083290 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05

phe.Fasting_rs187000011S11	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs187000011S11	DIAPH1	rs115752779S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs187000011S11	DIAPH1	rs115787552S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs187000011S11	DIAPH1	rs115888477S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs187000011S11	DIAPH1	rs116011837S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs187000011S11	DIAPH1	rs116079984S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs187000011S11	DIAPH1	rs116120727S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs187000011S11	DIAPH1	rs116406581S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs187000011S11	DIAPH1	rs116548615S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs187000011S11	DIAPH1	rs116696844S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs187000011S11	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs187000011S11	DIAPH1	rs140524622S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs187000011S11	DIAPH1	rs146815317S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs187000011S11	DIAPH1	rs150117838S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs187000011S11	DIAPH1	rs150916187S4	HIST1H2BK	1.38E-05	1	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs187000011S11	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs187000011S11	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs187000011S11	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs187000011S11	DIAPH1	rs2835656 S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs187000011S11	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs187000011S11	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs187000011S11	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_rs187000011S11	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs187000011S11	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs187000011S11	DIAPH1	rs58905476 S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs187000011S11	DIAPH1	rs60011869 S16	NA	1.04E-05	1	0.00472365	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs187000011S11	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs187000011S11	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs187000011S11	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs187000011S11	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs187000011S11	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs187000011S11	DIAPH1	rs734069 S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs187000011S11	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs187000011S11	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs187000011S11	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs187000011S11	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs187000011S11	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs187000011S11	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs187000011S11	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs187000011S11	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04

phe.Fasting_rs187000011S11	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs187000011S11	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs187000011S11	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs187000011S11	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs187000011S11	DIAPH1	rs77845645	S21	NA	1.53E-06	1	0.000888475	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs187000011S11	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs187000011S11	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs187000011S11	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs187000011S11	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs187000011S11	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs187000011S11	DIAPH1	rs78990344	S2	LOC1005063	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs187000011S11	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs187000011S11	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs187000011S11	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs187000011S11	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs187000011S11	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs188981295S5	"RPS27AP10,	rs111576333	S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs188981295S5	"RPS27AP10,	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs188981295S5	"RPS27AP10,	rs112091318	S5	TMEM64	7.32E-07	1	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs188981295S5	"RPS27AP10,	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs188981295S5	"RPS27AP10,	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs188981295S5	"RPS27AP10,	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs188981295S5	"RPS27AP10,	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs188981295S5	"RPS27AP10,	rs11524145	S5	CDK6	7.80E-07	1	0.000486356	7.89E-06	1	6.69E-03
phe.Fasting_rs188981295S5	"RPS27AP10,	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs188981295S5	"RPS27AP10,	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs188981295S5	"RPS27AP10,	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs188981295S5	"RPS27AP10,	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs188981295S5	"RPS27AP10,	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs188981295S5	"RPS27AP10,	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs188981295S5	"RPS27AP10,	rs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs188981295S5	"RPS27AP10,	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs188981295S5	"RPS27AP10,	rs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs188981295S5	"RPS27AP10,	rs11989304	S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs188981295S5	"RPS27AP10,	rs140524622	S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs188981295S5	"RPS27AP10,	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs188981295S5	"RPS27AP10,	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs188981295S5	"RPS27AP10,	rs150916187	S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs188981295S5	"RPS27AP10,	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs188981295S5	"RPS27AP10,	rs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03

phe.Fasting_rs188981295 S5	"RPS27AP10,rs2153597 S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs188981295 S5	"RPS27AP10,rs2835656 S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs188981295 S5	"RPS27AP10,rs34801978 S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs188981295 S5	"RPS27AP10,rs352346 S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs188981295 S5	"RPS27AP10,rs3750898 S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_rs188981295 S5	"RPS27AP10,rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs188981295 S5	"RPS27AP10,rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs188981295 S5	"RPS27AP10,rs58905476 S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs188981295 S5	"RPS27AP10,rs60011869 S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs188981295 S5	"RPS27AP10,rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs188981295 S5	"RPS27AP10,rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs188981295 S5	"RPS27AP10,rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs188981295 S5	"RPS27AP10,rs73283603 S7	ZWINT	1.90E-06	1	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs188981295 S5	"RPS27AP10,rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs188981295 S5	"RPS27AP10,rs734069 S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs188981295 S5	"RPS27AP10,rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs188981295 S5	"RPS27AP10,rs74627895 S8	TMEM64	7.32E-07	1	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs188981295 S5	"RPS27AP10,rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs188981295 S5	"RPS27AP10,rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs188981295 S5	"RPS27AP10,rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs188981295 S5	"RPS27AP10,rs75506779 S5	TMCO3	5.55E-07	1	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs188981295 S5	"RPS27AP10,rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs188981295 S5	"RPS27AP10,rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs188981295 S5	"RPS27AP10,rs75949566 S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs188981295 S5	"RPS27AP10,rs76844308 S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs188981295 S5	"RPS27AP10,rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs188981295 S5	"RPS27AP10,rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs188981295 S5	"RPS27AP10,rs77845645 S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs188981295 S5	"RPS27AP10,rs78353402 S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs188981295 S5	"RPS27AP10,rs78516788 S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs188981295 S5	"RPS27AP10,rs78697063 S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs188981295 S5	"RPS27AP10,rs78722272 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs188981295 S5	"RPS27AP10,rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs188981295 S5	"RPS27AP10,rs78990344 S2	LOC10050631	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs188981295 S5	"RPS27AP10,rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs188981295 S5	"RPS27AP10,rs79886603 S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs188981295 S5	"RPS27AP10,rs80200953 S5	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs188981295 S5	"RPS27AP10,rs80332465 S8	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs188981295 S5	"RPS27AP10,rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs190559574 S7	DIAPH1 rs111576333 S5	TMEM64	5.56E-07	1.00E+00	3.61E-04	7.80E-15	3.17E-07	6.90E-11

phe.Fasting_rs190559574 S7	DIAPH1	rs112089881 S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_rs190559574 S7	DIAPH1	rs112091318 S5	TMEM64	1.64E-07	1.00E+00	1.18E-04	9.13E-09	0.371559	1.72E-05
phe.Fasting_rs190559574 S7	DIAPH1	rs114334325 S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs190559574 S7	DIAPH1	rs114394395 S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs190559574 S7	DIAPH1	rs114565620 S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	0.335069	1.57E-05
phe.Fasting_rs190559574 S7	DIAPH1	rs115083290 S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	0.11274	5.90E-06
phe.Fasting_rs190559574 S7	DIAPH1	rs115752779 S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	0.11274	5.90E-06
phe.Fasting_rs190559574 S7	DIAPH1	rs115787552 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs190559574 S7	DIAPH1	rs115888477 S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs190559574 S7	DIAPH1	rs116011837 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs190559574 S7	DIAPH1	rs116079984 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs190559574 S7	DIAPH1	rs116120727 S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs190559574 S7	DIAPH1	rs116406581 S2	NA	5.24E-15	2.14E-07	1.36E-11	5.32E-08	1	8.11E-05
phe.Fasting_rs190559574 S7	DIAPH1	rs116548615 S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs190559574 S7	DIAPH1	rs116696844 S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs190559574 S7	DIAPH1	rs11989304 S4	TMEM64	5.56E-07	1	3.61E-04	1.11E-11	0.000453381	4.10E-08
phe.Fasting_rs190559574 S7	DIAPH1	rs140524622 S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.83E-06	1	2.79E-03
phe.Fasting_rs190559574 S7	DIAPH1	rs146815317 S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs190559574 S7	DIAPH1	rs150117838 S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs190559574 S7	DIAPH1	rs150916187 S4	HIST1H2BK	4.14E-06	1	2.11E-03	2.61E-15	1.06E-07	2.55E-11
phe.Fasting_rs190559574 S7	DIAPH1	rs16894241 S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs190559574 S7	DIAPH1	rs34801978 S3	HOXB2	2.19E-06	1	1.21E-03	1.65E-09	0.0670533	3.72E-06
phe.Fasting_rs190559574 S7	DIAPH1	rs4732511 S13	POR	9.61E-15	3.93E-07	2.45E-11	2.36E-06	1	2.39E-03
phe.Fasting_rs190559574 S7	DIAPH1	rs57503635 S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs190559574 S7	DIAPH1	rs60011869 S16	NA	2.13E-06	1	1.18E-03	1.78E-07	1	2.39E-04
phe.Fasting_rs190559574 S7	DIAPH1	rs6964407 S7	POR	3.32E-14	1.36E-06	8.04E-11	2.16E-06	1	2.22E-03
phe.Fasting_rs190559574 S7	DIAPH1	rs7004597 S8	NA	1.25E-15	5.12E-08	3.65E-12	5.12E-08	1	7.84E-05
phe.Fasting_rs190559574 S7	DIAPH1	rs7256517 S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs190559574 S7	DIAPH1	rs73283603 S7	ZWINT	4.49E-07	1	0.000297012	4.53E-08	1	7.02E-05
phe.Fasting_rs190559574 S7	DIAPH1	rs73392640 S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs190559574 S7	DIAPH1	rs73619637 S8	NA	2.00E-16	8.15E-09	6.95E-13	6.35E-08	1	9.54E-05
phe.Fasting_rs190559574 S7	DIAPH1	rs74627895 S8	TMEM64	1.64E-07	1.00E+00	1.18E-04	4.42E-09	0.179944	8.98E-06
phe.Fasting_rs190559574 S7	DIAPH1	rs74914207 S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08
phe.Fasting_rs190559574 S7	DIAPH1	rs75350765 S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	0.335069	1.57E-05
phe.Fasting_rs190559574 S7	DIAPH1	rs75374128 S5	CNTLN	5.25E-06	1	2.60E-03	1.83E-08	0.746586	3.18E-05
phe.Fasting_rs190559574 S7	DIAPH1	rs75506779 S5	TMCO3	1.04E-07	1	7.88E-05	2.32E-09	0.0942949	5.04E-06
phe.Fasting_rs190559574 S7	DIAPH1	rs75758702 S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_rs190559574 S7	DIAPH1	rs75864203 S8	CNTLN	5.25E-06	1	2.60E-03	1.83E-08	0.746586	3.18E-05
phe.Fasting_rs190559574 S7	DIAPH1	rs75949566 S5	TMEM64	6.52E-07	1	4.16E-04	1.49E-11	0.000607747	5.38E-08
phe.Fasting_rs190559574 S7	DIAPH1	rs76844308 S8	CNTLN	2.67E-06	1	1.44E-03	1.80E-08	0.73432	3.14E-05

phe.Fasting_rs190559574S7	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs190559574S7	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs190559574S7	DIAPH1	rs77845645	S21	NA	3.35E-07	1	2.29E-04	1.04E-11	0.000424266	3.85E-08
phe.Fasting_rs190559574S7	DIAPH1	rs78353402	S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs190559574S7	DIAPH1	rs78516788	S8	SLC38A1	1.24E-06	1	7.38E-04	2.76E-09	0.112313	5.89E-06
phe.Fasting_rs190559574S7	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_rs190559574S7	DIAPH1	rs78703708	S7	FAF2	7.40E-12	0.000302252	1.27E-08	7.08E-06	1	6.12E-03
phe.Fasting_rs190559574S7	DIAPH1	rs78722272	S5	CNTLN	5.25E-06	1	2.60E-03	1.89E-08	0.767323	3.26E-05
phe.Fasting_rs190559574S7	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs190559574S7	DIAPH1	rs78990344	S2	LOC1005063	5.56E-07	1	3.61E-04	1.11E-11	0.000453381	4.10E-08
phe.Fasting_rs190559574S7	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs190559574S7	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.37E-10	0.034062	2.03E-06
phe.Fasting_rs190559574S7	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs190559574S7	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs190559574S7	DIAPH1	rs891061	S7	POP4	6.59E-07	1	4.20E-04	1.19E-05	1	9.35E-03
phe.Fasting_rs190827395S5	E2F7	rs115305957S23		NA	9.90E-14	4.04E-06	2.25E-10	4.30E-07	1	5.21E-04
phe.Fasting_rs190827395S5	E2F7	rs73392640	S8	POLR3B	4.08E-06	1	2.08E-03	2.72E-06	1	2.68E-03
phe.Fasting_rs190827395S5	E2F7	rs74701059	S24	C17orf102	8.11E-14	3.31E-06	1.86E-10	6.15E-07	1	7.24E-04
phe.Fasting_rs190827395S5	E2F7	rs79703349	S24	C17orf102	8.11E-14	3.31E-06	1.86E-10	7.42E-07	1	8.60E-04
phe.Fasting_rs191544043S8	DIAPH1	rs111576333S5		TMEM64	2.37E-06	1	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs191544043S8	DIAPH1	rs112089881S8		ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs191544043S8	DIAPH1	rs112091318S5		TMEM64	7.32E-07	1	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs191544043S8	DIAPH1	rs114334325S7		AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs191544043S8	DIAPH1	rs114394395S7		AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs191544043S8	DIAPH1	rs114565620S8		RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs191544043S8	DIAPH1	rs115083290S19		NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs191544043S8	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs191544043S8	DIAPH1	rs115752779S19		NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs191544043S8	DIAPH1	rs115787552S5		KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs191544043S8	DIAPH1	rs115888477S8		NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs191544043S8	DIAPH1	rs116011837S9		BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs191544043S8	DIAPH1	rs116079984S8		KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs191544043S8	DIAPH1	rs116120727S9		BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs191544043S8	DIAPH1	rs116406581S2		NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs191544043S8	DIAPH1	rs116548615S8		TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs191544043S8	DIAPH1	rs116696844S3		AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs191544043S8	DIAPH1	rs11989304	S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs191544043S8	DIAPH1	rs140524622S7		MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs191544043S8	DIAPH1	rs146815317S5		KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs191544043S8	DIAPH1	rs150117838S8		KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10



phe.Fasting_rs191544043 S8	DIAPH1	rs150916187 S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs191544043 S8	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs191544043 S8	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs191544043 S8	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs191544043 S8	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs191544043 S8	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs191544043 S8	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs191544043 S8	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_rs191544043 S8	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs191544043 S8	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs191544043 S8	DIAPH1	rs58905476 S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs191544043 S8	DIAPH1	rs60011869 S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs191544043 S8	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs191544043 S8	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs191544043 S8	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs191544043 S8	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs191544043 S8	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs191544043 S8	DIAPH1	rs734069 S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs191544043 S8	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs191544043 S8	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs191544043 S8	DIAPH1	rs74914207 S24	NA	1.37E-10	5.59E-03	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs191544043 S8	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs191544043 S8	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs191544043 S8	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs191544043 S8	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs191544043 S8	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs191544043 S8	DIAPH1	rs75949566 S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs191544043 S8	DIAPH1	rs76844308 S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs191544043 S8	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs191544043 S8	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs191544043 S8	DIAPH1	rs77845645 S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs191544043 S8	DIAPH1	rs78353402 S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs191544043 S8	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs191544043 S8	DIAPH1	rs78697063 S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs191544043 S8	DIAPH1	rs78722272 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs191544043 S8	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs191544043 S8	DIAPH1	rs78990344 S2	LOC10050631	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs191544043 S8	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs191544043 S8	DIAPH1	rs79886603 S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs191544043 S8	DIAPH1	rs80200953 S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06

phe.Fasting_rs191544043 S8	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs191544043 S8	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs111576333 S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs112089881 S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs191766712 S7	DIAPH1	rs112091318 S5	TMEM64	7.32E-07	1.00E+00	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs191766712 S7	DIAPH1	rs114334325 S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs191766712 S7	DIAPH1	rs114394395 S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs191766712 S7	DIAPH1	rs114565620 S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs191766712 S7	DIAPH1	rs115083290 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs191766712 S7	DIAPH1	rs11524145 S5	CDK6	7.80E-07	1.00E+00	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs191766712 S7	DIAPH1	rs115752779 S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs191766712 S7	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs116120727 S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs116406581 S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs191766712 S7	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs191766712 S7	DIAPH1	rs116696844 S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs191766712 S7	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs191766712 S7	DIAPH1	rs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs191766712 S7	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs150916187 S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs191766712 S7	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs191766712 S7	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs191766712 S7	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs191766712 S7	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs191766712 S7	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_rs191766712 S7	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs191766712 S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs191766712 S7	DIAPH1	rs58905476 S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs191766712 S7	DIAPH1	rs60011869 S16	NA	1.04E-05	1	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs191766712 S7	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs191766712 S7	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs191766712 S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs191766712 S7	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs191766712 S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07

phe.Fasting_rs191766712S7	DIAPH1	rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs191766712S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs191766712S7	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1	0.000459899	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs191766712S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs191766712S7	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs191766712S7	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs191766712S7	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs191766712S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs191766712S7	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs191766712S7	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs191766712S7	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs191766712S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs191766712S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs191766712S7	DIAPH1	rs77845645	S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs191766712S7	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs191766712S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs191766712S7	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs191766712S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs191766712S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs191766712S7	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs191766712S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs191766712S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs191766712S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs191766712S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs191766712S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs192690040S7	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1.00E+00	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs192690040S7	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs192690040S7	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1	6.13E-05
phe.Fasting_rs192690040S7	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs192690040S7	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs192690040S7	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs192690040S7	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs192690040S7	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs192690040S7	DIAPH1	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs192690040S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192690040S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs192690040S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs192690040S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs192690040S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs192690040S7	DIAPH1	rs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04

phe.Fasting_rs192690040S7	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs192690040S7	DIAPH1	rs116696844 S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs192690040S7	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs192690040S7	DIAPH1	rs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs192690040S7	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192690040S7	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192690040S7	DIAPH1	rs150916187 S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs192690040S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs192690040S7	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs192690040S7	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	2.25E-03	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs192690040S7	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs192690040S7	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs192690040S7	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs192690040S7	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs192690040S7	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs192690040S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs192690040S7	DIAPH1	rs58905476 S7	TTC3	3.29E-10	1.34E-02	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs192690040S7	DIAPH1	rs60011869 S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs192690040S7	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs192690040S7	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs192690040S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs192690040S7	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs192690040S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	0.00826001	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs192690040S7	DIAPH1	rs734069 S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs192690040S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs192690040S7	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs192690040S7	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs192690040S7	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs192690040S7	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs192690040S7	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1	0.000360863	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs192690040S7	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs192690040S7	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs192690040S7	DIAPH1	rs75949566 S5	TMEM64	2.76E-06	1	0.001473	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs192690040S7	DIAPH1	rs76844308 S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs192690040S7	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs192690040S7	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192690040S7	DIAPH1	rs77845645 S21	NA	1.53E-06	1	0.000888475	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs192690040S7	DIAPH1	rs78353402 S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs192690040S7	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	0.00112269	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs192690040S7	DIAPH1	rs78697063 S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06

phe.Fasting_rs192690040S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs192690040S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192690040S7	DIAPH1	rs78990344	S2	LOC10050631	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs192690040S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192690040S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs192690040S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs192690040S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs192690040S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs192765219S7	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1	0.00129547	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs192765219S7	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs192765219S7	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1	0.000459899	3.91E-08	1	6.13E-05
phe.Fasting_rs192765219S7	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs192765219S7	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs192765219S7	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs192765219S7	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs192765219S7	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1	0.000486356	7.89E-06	1	6.69E-03
phe.Fasting_rs192765219S7	DIAPH1	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs192765219S7	DIAPH1	rs115787552	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192765219S7	DIAPH1	rs115888477	S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs192765219S7	DIAPH1	rs116011837	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs192765219S7	DIAPH1	rs116079984	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs192765219S7	DIAPH1	rs116120727	S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs192765219S7	DIAPH1	rs116406581	S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs192765219S7	DIAPH1	rs116548615	S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs192765219S7	DIAPH1	rs116696844	S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs192765219S7	DIAPH1	rs11989304	S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs192765219S7	DIAPH1	rs140524622	S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs192765219S7	DIAPH1	rs146815317	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192765219S7	DIAPH1	rs150117838	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192765219S7	DIAPH1	rs150916187	S4	HIST1H2BK	1.38E-05	1	0.00605332	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs192765219S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.99E-11	0.000812315	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs192765219S7	DIAPH1	rs2032062	S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs192765219S7	DIAPH1	rs2153597	S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs192765219S7	DIAPH1	rs2835656	S7	TTC3	3.01E-10	1.23E-02	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs192765219S7	DIAPH1	rs34801978	S3	HOXB2	1.23E-05	1.00E+00	5.46E-03	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs192765219S7	DIAPH1	rs352346	S3	GRPEL2	1.85E-11	7.55E-04	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs192765219S7	DIAPH1	rs3750898	S8	DCLRE1A	2.29E-05	1.00E+00	9.35E-03	8.76E-06	1	7.32E-03
phe.Fasting_rs192765219S7	DIAPH1	rs4732511	S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs192765219S7	DIAPH1	rs57503635	S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs192765219S7	DIAPH1	rs58905476	S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03

phe.Fasting_rs192765219S7	DIAPH1	rs60011869	S16	NA	1.04E-05	1.00E+00	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs192765219S7	DIAPH1	rs6964407	S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs192765219S7	DIAPH1	rs7004597	S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs192765219S7	DIAPH1	rs7256517	S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs192765219S7	DIAPH1	rs73283603	S7	ZWINT	1.90E-06	1.00E+00	1.07E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs192765219S7	DIAPH1	rs73392640	S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs192765219S7	DIAPH1	rs734069	S19	NA	2.06E-08	0.839421	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs192765219S7	DIAPH1	rs73619637	S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs192765219S7	DIAPH1	rs74627895	S8	TMEM64	7.32E-07	1	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs192765219S7	DIAPH1	rs74914207	S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs192765219S7	DIAPH1	rs75350765	S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs192765219S7	DIAPH1	rs75374128	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs192765219S7	DIAPH1	rs75506779	S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs192765219S7	DIAPH1	rs75758702	S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs192765219S7	DIAPH1	rs75864203	S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs192765219S7	DIAPH1	rs75949566	S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs192765219S7	DIAPH1	rs76844308	S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04
phe.Fasting_rs192765219S7	DIAPH1	rs7763107	S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs192765219S7	DIAPH1	rs77798597	S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192765219S7	DIAPH1	rs77845645	S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs192765219S7	DIAPH1	rs78353402	S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs192765219S7	DIAPH1	rs78516788	S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs192765219S7	DIAPH1	rs78697063	S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs192765219S7	DIAPH1	rs78722272	S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs192765219S7	DIAPH1	rs78736524	S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192765219S7	DIAPH1	rs78990344	S2	LOC1005063	2.37E-06	1	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs192765219S7	DIAPH1	rs79781495	S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192765219S7	DIAPH1	rs79886603	S15	NA	8.71E-08	1	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs192765219S7	DIAPH1	rs80200953	S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs192765219S7	DIAPH1	rs80332465	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs192765219S7	DIAPH1	rs80334773	S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs192770525S7	DIAPH1	rs111576333	S5	TMEM64	2.37E-06	1	1.30E-03	5.87E-14	2.39E-06	3.99E-10
phe.Fasting_rs192770525S7	DIAPH1	rs112089881	S8	ZFAND4	2.04E-17	8.32E-10	1.43E-13	1.09E-09	0.0445256	2.58E-06
phe.Fasting_rs192770525S7	DIAPH1	rs112091318	S5	TMEM64	7.32E-07	1	4.60E-04	3.91E-08	1	6.13E-05
phe.Fasting_rs192770525S7	DIAPH1	rs114334325	S7	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs192770525S7	DIAPH1	rs114394395	S7	AP3M2	4.81E-15	1.97E-07	1.25E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs192770525S7	DIAPH1	rs114565620	S8	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs192770525S7	DIAPH1	rs115083290	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05
phe.Fasting_rs192770525S7	DIAPH1	rs11524145	S5	CDK6	7.80E-07	1	4.86E-04	7.89E-06	1	6.69E-03
phe.Fasting_rs192770525S7	DIAPH1	rs115752779	S19	NA	4.38E-16	1.79E-08	1.40E-12	1.42E-08	0.576679	2.53E-05

phe.Fasting_rs192770525 S7	DIAPH1	rs115787552 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs115888477 S8	NA	2.03E-14	8.28E-07	5.02E-11	2.21E-14	8.99E-07	1.73E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs116011837 S9	BRD2	4.89E-11	0.00199774	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs116079984 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs116120727 S9	BRD2	4.89E-11	2.00E-03	6.62E-08	4.07E-14	1.66E-06	2.85E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs116406581 S2	NA	1.81E-14	7.39E-07	4.52E-11	2.35E-07	1	3.05E-04
phe.Fasting_rs192770525 S7	DIAPH1	rs116548615 S8	TMEM45B	1.73E-16	7.06E-09	6.15E-13	8.70E-12	0.000354153	3.26E-08
phe.Fasting_rs192770525 S7	DIAPH1	rs116696844 S3	AP3M2	6.92E-15	2.83E-07	1.78E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs192770525 S7	DIAPH1	rs11989304 S4	TMEM64	2.37E-06	1	0.00129547	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs140524622 S7	MRPL10	1.08E-16	4.41E-09	4.54E-13	7.35E-06	1	6.31E-03
phe.Fasting_rs192770525 S7	DIAPH1	rs146815317 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs150117838 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs150916187 S4	HIST1H2BK	1.38E-05	1.00E+00	6.05E-03	1.37E-14	5.59E-07	1.16E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs16894241 S4	HIST1H2BK	1.99E-11	8.12E-04	2.96E-08	3.44E-14	1.40E-06	2.50E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs2032062 S8	NA	1.22E-14	4.98E-07	3.09E-11	8.48E-06	1	7.14E-03
phe.Fasting_rs192770525 S7	DIAPH1	rs2153597 S8	ZNF438	5.51E-11	0.00224928	7.42E-08	4.52E-09	0.183916	9.08E-06
phe.Fasting_rs192770525 S7	DIAPH1	rs2835656 S7	TTC3	3.01E-10	0.0122766	3.60E-07	9.12E-06	1	7.57E-03
phe.Fasting_rs192770525 S7	DIAPH1	rs34801978 S3	HOXB2	1.23E-05	1	0.00545724	1.03E-08	0.419057	1.90E-05
phe.Fasting_rs192770525 S7	DIAPH1	rs352346 S3	GRPEL2	1.85E-11	0.000754995	2.78E-08	8.42E-06	1	7.10E-03
phe.Fasting_rs192770525 S7	DIAPH1	rs3750898 S8	DCLRE1A	2.29E-05	1	0.0093502	8.76E-06	1	7.32E-03
phe.Fasting_rs192770525 S7	DIAPH1	rs4732511 S13	POR	2.30E-15	9.39E-08	6.48E-12	9.65E-06	1	7.93E-03
phe.Fasting_rs192770525 S7	DIAPH1	rs57503635 S3	NA	6.34E-16	2.59E-08	1.95E-12	3.17E-14	1.29E-06	2.34E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs58905476 S7	TTC3	3.29E-10	0.0134302	3.90E-07	9.79E-06	1	8.01E-03
phe.Fasting_rs192770525 S7	DIAPH1	rs60011869 S16	NA	1.04E-05	1	4.72E-03	8.16E-10	0.0332257	1.98E-06
phe.Fasting_rs192770525 S7	DIAPH1	rs6964407 S7	POR	7.55E-15	3.08E-07	1.94E-11	8.91E-06	1	7.43E-03
phe.Fasting_rs192770525 S7	DIAPH1	rs7004597 S8	NA	4.51E-15	1.84E-07	1.18E-11	2.34E-07	1	3.04E-04
phe.Fasting_rs192770525 S7	DIAPH1	rs7256517 S7	CYTH2	1.04E-15	4.24E-08	3.06E-12	4.82E-12	0.000196022	1.91E-08
phe.Fasting_rs192770525 S7	DIAPH1	rs73283603 S7	ZWINT	1.90E-06	1	0.0010688	2.03E-07	1	2.68E-04
phe.Fasting_rs192770525 S7	DIAPH1	rs73392640 S8	POLR3B	2.02E-10	8.26E-03	2.49E-07	5.19E-11	0.00211214	1.67E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs734069 S19	NA	2.06E-08	8.39E-01	1.81E-05	6.71E-10	0.0272994	1.68E-06
phe.Fasting_rs192770525 S7	DIAPH1	rs73619637 S8	NA	1.44E-15	5.89E-08	4.14E-12	2.05E-10	0.00833668	5.78E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs74627895 S8	TMEM64	7.32E-07	1.00E+00	4.60E-04	2.03E-08	0.828094	3.48E-05
phe.Fasting_rs192770525 S7	DIAPH1	rs74914207 S24	NA	1.37E-10	0.00558626	1.73E-07	9.12E-11	0.0037135	2.80E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs75350765 S5	RCL1	1.82E-16	7.42E-09	6.37E-13	3.70E-08	1	5.84E-05
phe.Fasting_rs192770525 S7	DIAPH1	rs75374128 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs192770525 S7	DIAPH1	rs75506779 S5	TMCO3	5.55E-07	1.00E+00	3.61E-04	1.10E-08	0.449707	2.03E-05
phe.Fasting_rs192770525 S7	DIAPH1	rs75758702 S24	NA	7.02E-17	2.87E-09	3.16E-13	1.57E-10	0.00638323	4.59E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs75864203 S8	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.01E-07	1	1.42E-04
phe.Fasting_rs192770525 S7	DIAPH1	rs75949566 S5	TMEM64	2.76E-06	1.00E+00	1.47E-03	8.48E-11	0.00345267	2.62E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs76844308 S8	CNTLN	7.68E-17	3.14E-09	3.41E-13	9.52E-08	1	1.35E-04

phe.Fasting_rs192770525 S7	DIAPH1	rs7763107 S8	FARS2	5.78E-16	2.36E-08	1.79E-12	9.23E-12	0.000375564	3.44E-08
phe.Fasting_rs192770525 S7	DIAPH1	rs77798597 S7	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs77845645 S21	NA	1.53E-06	1.00E+00	8.88E-04	4.20E-11	0.00170882	1.38E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs78353402 S8	AP3M2	4.51E-15	1.84E-07	1.18E-11	3.87E-07	1	4.75E-04
phe.Fasting_rs192770525 S7	DIAPH1	rs78516788 S8	SLC38A1	2.75E-11	1.12E-03	3.94E-08	2.44E-10	0.00992686	6.74E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs78697063 S5	MSI2	8.23E-19	3.36E-11	2.70E-14	6.84E-10	0.0278369	1.70E-06
phe.Fasting_rs192770525 S7	DIAPH1	rs78722272 S5	CNTLN	1.47E-16	6.01E-09	5.72E-13	1.05E-07	1	1.48E-04
phe.Fasting_rs192770525 S7	DIAPH1	rs78736524 S5	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.18E-13	4.80E-06	7.06E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs78990344 S2	LOC1005063	2.37E-06	1.00E+00	1.30E-03	6.78E-11	0.00276161	2.13E-07
phe.Fasting_rs192770525 S7	DIAPH1	rs79781495 S8	KPNA3	2.97E-15	1.21E-07	8.14E-12	1.09E-13	4.44E-06	6.79E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs79886603 S15	NA	8.71E-08	1.00E+00	6.74E-05	4.66E-07	1	5.59E-04
phe.Fasting_rs192770525 S7	DIAPH1	rs80200953 S8	PPP2R5D	8.49E-17	3.47E-09	3.69E-13	3.65E-09	0.148399	7.55E-06
phe.Fasting_rs192770525 S7	DIAPH1	rs80332465 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs192770525 S7	DIAPH1	rs80334773 S5	KPNA3	3.13E-15	1.28E-07	8.51E-12	1.17E-13	4.77E-06	7.06E-10
phe.Fasting_rs1979789 S5	TRAK1	rs77845645 S21	NA	3.46E-07	1.00E+00	2.36E-04	2.24E-07	1	2.93E-04
phe.Fasting_rs2003969 S7	SGSM2	rs139070959 S8	RPN2	2.61E-06	1.00E+00	1.41E-03	8.51E-06	1	7.15E-03
phe.Fasting_rs2059970 S8	PTK2B	rs76844308 S8	CNTLN	4.19E-06	1.00E+00	2.13E-03	6.93E-06	1	6.02E-03
phe.Fasting_rs2133072 S8	TRAK1	rs77845645 S21	NA	3.81E-07	1.00E+00	2.58E-04	2.01E-07	1	2.66E-04
phe.Fasting_rs2153597 S8	ZNF438	rs114968018 S21	NA	1.74E-07	1.00E+00	1.26E-04	3.40E-08	1	5.43E-05
phe.Fasting_rs2153597 S8	ZNF438	rs115083290 S19	NA	5.98E-09	2.44E-01	5.80E-06	4.41E-09	0.17949	8.97E-06
phe.Fasting_rs2153597 S8	ZNF438	rs115752779 S19	NA	5.98E-09	2.44E-01	5.80E-06	4.41E-09	0.17949	8.97E-06
phe.Fasting_rs2153597 S8	ZNF438	rs12581352 S2	NA	1.89E-05	1.00E+00	7.95E-03	1.94E-07	1	2.58E-04
phe.Fasting_rs2241292 S8	GPR160	rs111576333 S5	TMEM64	2.19E-08	8.92E-01	1.92E-05	7.29E-10	0.0296892	1.81E-06
phe.Fasting_rs2241292 S8	GPR160	rs112091318 S5	TMEM64	6.63E-09	2.71E-01	6.39E-06	1.13E-09	0.0459103	2.66E-06
phe.Fasting_rs2241292 S8	GPR160	rs112348319 S8	SPTLC1	1.95E-05	1.00E+00	8.18E-03	8.83E-10	0.0359593	2.13E-06
phe.Fasting_rs2241292 S8	GPR160	rs112608164 S8	SPTLC1	1.95E-05	1.00E+00	8.18E-03	8.83E-10	0.0359593	2.13E-06
phe.Fasting_rs2241292 S8	GPR160	rs113568654 S12	SPTLC1	1.87E-05	1.00E+00	7.87E-03	1.15E-08	0.467649	2.10E-05
phe.Fasting_rs2241292 S8	GPR160	rs114565620 S8	RCL1	2.99E-19	1.22E-11	2.40E-14	4.37E-07	1	5.29E-04
phe.Fasting_rs2241292 S8	GPR160	rs115083290 S19	NA	8.99E-08	1	6.93E-05	3.79E-09	0.154225	7.80E-06
phe.Fasting_rs2241292 S8	GPR160	rs115752779 S19	NA	8.99E-08	1	6.93E-05	3.79E-09	0.154225	7.80E-06
phe.Fasting_rs2241292 S8	GPR160	rs115888477 S8	NA	1.38E-06	1	8.10E-04	8.90E-11	0.00362223	2.74E-07
phe.Fasting_rs2241292 S8	GPR160	rs116011837 S9	BRD2	2.78E-13	1.13E-05	5.98E-10	2.39E-11	0.000974774	8.32E-08
phe.Fasting_rs2241292 S8	GPR160	rs116120727 S9	BRD2	2.78E-13	1.13E-05	5.98E-10	2.39E-11	0.000974774	8.32E-08
phe.Fasting_rs2241292 S8	GPR160	rs116548615 S8	TMEM45B	5.52E-19	2.26E-11	2.49E-14	2.50E-09	0.101963	5.40E-06
phe.Fasting_rs2241292 S8	GPR160	rs11989304 S4	TMEM64	2.19E-08	0.892331	1.92E-05	7.32E-10	0.0297886	1.81E-06
phe.Fasting_rs2241292 S8	GPR160	rs140524622 S7	MRPL10	2.33E-08	0.952839	2.04E-05	2.29E-06	1	2.34E-03
phe.Fasting_rs2241292 S8	GPR160	rs141926074 S8	ATE1	1.29E-19	5.27E-12	2.23E-14	1.52E-11	0.000620605	5.49E-08
phe.Fasting_rs2241292 S8	GPR160	rs73392640 S8	POLR3B	6.81E-08	1	5.42E-05	1.09E-05	1	8.78E-03
phe.Fasting_rs2241292 S8	GPR160	rs74627895 S8	TMEM64	6.63E-09	0.270691	6.39E-06	1.42E-06	1	1.54E-03
phe.Fasting_rs2241292 S8	GPR160	rs75350765 S5	RCL1	2.99E-19	1.22E-11	2.40E-14	4.37E-07	1	5.29E-04



phe.Fasting_rs2241292	S8	GPR160	rs75506779	S5	TMCO3	8.13E-14	3.32E-06	1.86E-10	3.89E-06	1	3.67E-03
phe.Fasting_rs2241292	S8	GPR160	rs75949566	S5	TMEM64	2.39E-08	9.77E-01	2.09E-05	3.41E-10	0.0138701	9.06E-07
phe.Fasting_rs2241292	S8	GPR160	rs76542405	S5	SPTLC1	1.95E-05	1.00E+00	8.18E-03	8.83E-10	0.0359593	2.13E-06
phe.Fasting_rs2241292	S8	GPR160	rs77523818	S7	SPTLC1	1.95E-05	1.00E+00	8.18E-03	8.83E-10	0.0359593	2.13E-06
phe.Fasting_rs2241292	S8	GPR160	rs7763107	S8	FARS2	1.35E-09	5.49E-02	1.45E-06	3.12E-06	1	3.03E-03
phe.Fasting_rs2241292	S8	GPR160	rs77845645	S21	NA	1.04E-08	0.425406	9.68E-06	1.15E-12	4.68E-05	5.31E-09
phe.Fasting_rs2241292	S8	GPR160	rs78990344	S2	LOC10050631	2.19E-08	0.892331	1.92E-05	7.32E-10	0.0297886	1.81E-06
phe.Fasting_rs2378138	S5	LIMS1	rs112027720	S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs112940854	S5	MYO1B	1.51E-05	1	6.54E-03	7.68E-07	1	8.87E-04
phe.Fasting_rs2378138	S5	LIMS1	rs113219478	S7	DIAPH1	2.28E-06	1	0.00125419	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs115888477	S8	NA	6.27E-07	1	0.000401339	5.31E-06	1	4.82E-03
phe.Fasting_rs2378138	S5	LIMS1	rs138090701	S5	HDAC3	1.01E-06	1	0.000610101	5.61E-06	1	5.03E-03
phe.Fasting_rs2378138	S5	LIMS1	rs138136869	S7	DIAPH1	6.02E-07	1	0.000387786	1.86E-06	1	1.94E-03
phe.Fasting_rs2378138	S5	LIMS1	rs138487229	S11	DIAPH1	2.28E-06	1	0.00125419	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs138738950	S8	"PCDHGB2,PI	2.28E-06	1	0.00125419	4.43E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs139297927	S8	DIAPH1	2.28E-06	1	0.00125419	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs139337303	S8	DIAPH1	2.28E-06	1	0.00125419	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs139403963	S8	DIAPH1	6.02E-07	1	0.000387786	1.86E-06	1	1.94E-03
phe.Fasting_rs2378138	S5	LIMS1	rs139621309	S18	"LOC100505063	2.28E-06	1	0.00125419	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs139828110	S8	DIAPH1	6.02E-07	1	0.000387786	1.86E-06	1	1.94E-03
phe.Fasting_rs2378138	S5	LIMS1	rs140070363	S8	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs140644750	S13	DIAPH1	2.28E-06	1	0.00125419	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs141022544	S8	DIAPH1	2.28E-06	1	0.00125419	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs141525984	S5	DIAPH1	2.28E-06	1	0.00125419	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs142480565	S8	DIAPH1	2.28E-06	1	0.00125419	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs142718558	S7	"DIAPH1,LOC	2.28E-06	1.00E+00	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs142789100	S8	DIAPH1	6.02E-07	1	0.000387786	1.86E-06	1	1.94E-03
phe.Fasting_rs2378138	S5	LIMS1	rs142812798	S7	DIAPH1	6.02E-07	1	0.000387786	1.86E-06	1	1.94E-03
phe.Fasting_rs2378138	S5	LIMS1	rs143377827	S13	"DIAPH1,LOC	3.26E-07	1	0.000223509	1.40E-06	1	1.53E-03
phe.Fasting_rs2378138	S5	LIMS1	rs143691978	S11	DIAPH1	6.02E-07	1	0.000387786	1.91E-06	1	1.99E-03
phe.Fasting_rs2378138	S5	LIMS1	rs144081334	S11	DIAPH1	6.02E-07	1	0.000387786	1.91E-06	1	1.99E-03
phe.Fasting_rs2378138	S5	LIMS1	rs144613910	S8	DIAPH1	2.28E-06	1	0.00125419	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs145027704	S11	DIAPH1	6.02E-07	1	3.88E-04	1.91E-06	1	1.99E-03
phe.Fasting_rs2378138	S5	LIMS1	rs146220673	S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs146622060	S13	DIAPH1	6.02E-07	1	3.88E-04	1.91E-06	1	1.99E-03
phe.Fasting_rs2378138	S5	LIMS1	rs146878162	S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs147314451	S8	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs147417996	S7	DIAPH1	6.02E-07	1.00E+00	3.88E-04	1.91E-06	1	1.99E-03
phe.Fasting_rs2378138	S5	LIMS1	rs147646948	S7	"LOC100505063	2.28E-06	1.00E+00	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs147677041	S8	DIAPH1	6.02E-07	1	3.88E-04	1.86E-06	1	1.94E-03

phe.Fasting_rs2378138	S5	LIMS1	rs148116628S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs148423011S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs149019627S8	DIAPH1	6.02E-07	1	3.88E-04	1.86E-06	1	1.94E-03
phe.Fasting_rs2378138	S5	LIMS1	rs149075406S8	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs149334783S8	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs149791570S5	DIAPH1	6.02E-07	1	3.88E-04	1.86E-06	1	1.94E-03
phe.Fasting_rs2378138	S5	LIMS1	rs150452206S13	"DIAPH1,LOC	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs150675915S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs150765570S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs150992994S11	"PCDHGA5,Pi	2.30E-06	1	1.26E-03	1.73E-06	1	1.83E-03
phe.Fasting_rs2378138	S5	LIMS1	rs151204700S8	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs151330468S8	DIAPH1	6.02E-07	1	3.88E-04	1.91E-06	1	1.99E-03
phe.Fasting_rs2378138	S5	LIMS1	rs16833551 S5	MYO1B	1.60E-05	1	6.86E-03	1.28E-07	1	1.77E-04
phe.Fasting_rs2378138	S5	LIMS1	rs180772028S8	"DIAPH1,LOC	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs181224861S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs182714699S8	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs182965141S8	DIAPH1	6.91E-07	1	4.38E-04	1.22E-06	1	1.35E-03
phe.Fasting_rs2378138	S5	LIMS1	rs183597049S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs183980988S2	NA	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs184233232S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs184509477S13	"PCDHGB4,Pi	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs185069296S15	"LOC1005056	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs185502834S8	DIAPH1	6.02E-07	1	3.88E-04	1.86E-06	1	1.94E-03
phe.Fasting_rs2378138	S5	LIMS1	rs185759881S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs187000011S11	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs188981295S5	"RPS27AP10,	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs190559574S7	DIAPH1	6.02E-07	1	3.88E-04	1.86E-06	1	1.94E-03
phe.Fasting_rs2378138	S5	LIMS1	rs191544043S8	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs191766712S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs192690040S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs192765219S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs192770525S7	DIAPH1	2.28E-06	1	1.25E-03	4.44E-06	1	4.13E-03
phe.Fasting_rs2378138	S5	LIMS1	rs35990401 S7	DIAPH1	4.34E-06	1	2.20E-03	9.91E-07	1	1.12E-03
phe.Fasting_rs2378138	S5	LIMS1	rs55900860 S7	DIAPH1	6.02E-07	1	3.88E-04	1.86E-06	1	1.94E-03
phe.Fasting_rs2378138	S5	LIMS1	rs61613048 S8	MYO1B	1.82E-05	1	7.66E-03	3.97E-07	1	4.85E-04
phe.Fasting_rs2378138	S5	LIMS1	rs73058677 S5	MYO1B	1.51E-05	1	6.54E-03	2.03E-07	1	2.68E-04
phe.Fasting_rs2447099	S7	SGSM2	rs139070959S8	RPN2	2.67E-06	1	1.44E-03	8.88E-06	1	7.41E-03
phe.Fasting_rs2616561	S10	VGLL4	rs112027720S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs2616561	S10	VGLL4	rs113219478S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs2616561	S10	VGLL4	rs115083290S19	NA	1.04E-05	1	4.72E-03	1.40E-10	0.00569301	4.20E-07

phe.Fasting_	rs2616561	S10	VGLL4	rs115752779	S19	NA	1.04E-05	1	4.72E-03	1.40E-10	0.00569301	4.20E-07
phe.Fasting_	rs2616561	S10	VGLL4	rs115888477	S8	NA	8.13E-08	1	6.32E-05	6.41E-06	1	5.63E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs116279995	S20	"PCDHGA4,PI	1.07E-08	0.438137	9.94E-06	5.13E-10	0.0208944	1.33E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs138136869	S7	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs138457103	S10	DIAPH1	6.14E-08	1	4.94E-05	2.30E-09	0.0935667	5.00E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs138487229	S11	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs138738950	S8	"PCDHGB2,PI	3.64E-09	0.148469	3.64E-06	9.05E-10	0.0368315	2.16E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs139297927	S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs139337303	S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs139403963	S8	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs139621309	S18	"LOC1005056	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs139828110	S8	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs140070363	S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs140524622	S7	MRPL10	2.33E-09	0.0951658	2.42E-06	6.56E-06	1	5.74E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs140644750	S13	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs141022544	S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs141525984	S5	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs141692339	S3	"PCDHGA6,PI	3.69E-10	0.0150824	4.32E-07	7.78E-10	0.0316579	1.92E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs141926074	S8	ATE1	1.12E-09	0.0458797	1.22E-06	1.85E-12	7.52E-05	8.08E-09
phe.Fasting_	rs2616561	S10	VGLL4	rs142480565	S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs142718558	S7	"DIAPH1,LOC	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs142789100	S8	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs142812798	S7	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs143377827	S13	"DIAPH1,LOC	5.85E-08	1	4.72E-05	2.56E-06	1	2.55E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs143691978	S11	DIAPH1	7.69E-08	1	6.01E-05	6.84E-06	1	5.95E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs144081334	S11	DIAPH1	7.69E-08	1	6.01E-05	6.84E-06	1	5.95E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs144613910	S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs145027704	S11	DIAPH1	7.69E-08	1	6.01E-05	6.84E-06	1	5.95E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs146220673	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs146622060	S13	DIAPH1	7.69E-08	1	6.01E-05	6.84E-06	1	5.95E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs146878162	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs147314451	S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs147417996	S7	DIAPH1	7.69E-08	1	6.01E-05	6.84E-06	1	5.95E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs147506725	S21	"PCDHGA1,PI	1.07E-08	0.438137	9.94E-06	5.13E-10	0.0208944	1.33E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs147646948	S7	"LOC1005056	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs147677041	S8	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs148116628	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs148423011	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs149019627	S8	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs149075406	S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06

phe.Fasting_	rs2616561	S10	VGLL4	rs149334783	S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs149553852	S21	"PCDHGA10,	1.07E-08	0.438137	9.94E-06	5.13E-10	0.0208944	1.33E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs149716949	S5	DIAPH1	1.65E-10	0.00674346	2.06E-07	1.62E-09	0.0657984	3.65E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs149791570	S5	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs150452206	S13	"DIAPH1,LOC	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs150675915	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs150765570	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs150992994	S11	"PCDHGA5,PI	3.70E-09	0.151133	3.70E-06	8.47E-10	0.0344957	2.05E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs151204700	S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs151330468	S8	DIAPH1	7.69E-08	1	6.01E-05	6.84E-06	1	5.95E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs180772028	S8	"DIAPH1,LOC	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs181224861	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs181247960	S21	"PCDHGA9,PI	1.07E-08	0.438137	9.94E-06	5.13E-10	0.0208944	1.33E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs181824655	S21	"PCDHGB6,PI	1.07E-08	0.438137	9.94E-06	5.13E-10	0.0208944	1.33E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs182714699	S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs182965141	S8	DIAPH1	8.49E-08	1	6.58E-05	1.21E-05	1	9.47E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs183597049	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs183980988	S2	NA	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs184233232	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs184509477	S13	"PCDHGB4,PI	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs185069296	S15	"LOC1005056	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs185502834	S8	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs185759881	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs186288044	S21	"PCDHGB4,PI	1.07E-08	0.438137	9.94E-06	5.13E-10	0.0208944	1.33E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs187000011	S11	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs188981295	S5	"RPS27AP10,	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs190559574	S7	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs191544043	S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs191766712	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs192690040	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs192765219	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs192770525	S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs35990401	S7	DIAPH1	3.63E-09	0.148334	3.64E-06	3.30E-09	0.134488	6.94E-06
phe.Fasting_	rs2616561	S10	VGLL4	rs55900860	S7	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs57503635	S3	NA	5.26E-09	0.214867	5.13E-06	1.65E-12	6.71E-05	7.33E-09
phe.Fasting_	rs2616561	S10	VGLL4	rs60011869	S16	NA	9.80E-06	1	4.49E-03	5.04E-08	1	7.74E-05
phe.Fasting_	rs2616561	S10	VGLL4	rs7256517	S7	CYTH2	3.01E-09	0.123043	3.07E-06	4.53E-07	1	5.46E-04
phe.Fasting_	rs2616561	S10	VGLL4	rs73283603	S7	ZWINT	7.55E-06	1	3.58E-03	1.42E-07	1	1.94E-04
phe.Fasting_	rs2616561	S10	VGLL4	rs75949566	S5	TMEM64	1.54E-11	0.000628632	2.36E-08	1.71E-06	1	1.80E-03
phe.Fasting_	rs2616561	S10	VGLL4	rs79517926	S15	"DIAPH1,LOC	8.11E-09	0.331132	7.71E-06	8.62E-07	1	9.87E-04

phe.Fasting_rs2691611	S8	SNX13	rs139070959	S8	RPN2	1.08E-06	1	6.47E-04	1.26E-05	1	9.78E-03
phe.Fasting_rs2867314	S5	LUZP1	rs112348319	S8	SPTLC1	2.51E-06	1	1.36E-03	3.64E-07	1	4.51E-04
phe.Fasting_rs2867314	S5	LUZP1	rs112608164	S8	SPTLC1	2.51E-06	1	1.36E-03	3.64E-07	1	4.51E-04
phe.Fasting_rs2867314	S5	LUZP1	rs113568654	S12	SPTLC1	2.32E-06	1	1.27E-03	2.76E-06	1	2.72E-03
phe.Fasting_rs2867314	S5	LUZP1	rs76542405	S5	SPTLC1	2.51E-06	1	1.36E-03	3.64E-07	1	4.51E-04
phe.Fasting_rs2867314	S5	LUZP1	rs77523818	S7	SPTLC1	2.51E-06	1	1.36E-03	3.64E-07	1	4.51E-04
phe.Fasting_rs2924507	S5	ZC3H3	rs114565620	S8	RCL1	2.92E-07	1	2.02E-04	7.02E-12	0.00028576	2.70E-08
phe.Fasting_rs2924507	S5	ZC3H3	rs139070959	S8	RPN2	1.38E-18	5.64E-11	3.38E-14	5.20E-15	2.12E-07	4.77E-11
phe.Fasting_rs2924507	S5	ZC3H3	rs145412529	S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	6.02E-15	2.45E-07	5.46E-11
phe.Fasting_rs2924507	S5	ZC3H3	rs75350765	S5	RCL1	2.92E-07	1	2.02E-04	7.02E-12	0.00028576	2.70E-08
phe.Fasting_rs2924507	S5	ZC3H3	rs75374128	S5	CNTLN	3.57E-11	0.00145818	4.97E-08	1.16E-05	1	9.15E-03
phe.Fasting_rs2924507	S5	ZC3H3	rs75864203	S8	CNTLN	3.57E-11	0.00145818	4.97E-08	1.16E-05	1	9.15E-03
phe.Fasting_rs2924507	S5	ZC3H3	rs76844308	S8	CNTLN	4.44E-13	1.81E-05	9.40E-10	6.92E-06	1	6.01E-03
phe.Fasting_rs2924507	S5	ZC3H3	rs78516788	S8	SLC38A1	1.03E-07	1	7.84E-05	2.03E-07	1	2.69E-04
phe.Fasting_rs2924507	S5	ZC3H3	rs78722272	S5	CNTLN	3.57E-11	0.00145818	4.97E-08	1.23E-05	1	9.59E-03
phe.Fasting_rs2924507	S5	ZC3H3	rs79886603	S15	NA	2.40E-06	1	1.31E-03	5.07E-07	1	6.05E-04
phe.Fasting_rs2924508	S8	ZC3H3	rs114565620	S8	RCL1	2.92E-07	1	2.02E-04	1.09E-11	0.000441829	4.01E-08
phe.Fasting_rs2924508	S8	ZC3H3	rs139070959	S8	RPN2	1.38E-18	5.64E-11	3.38E-14	6.31E-15	2.57E-07	5.71E-11
phe.Fasting_rs2924508	S8	ZC3H3	rs145412529	S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	7.32E-15	2.98E-07	6.50E-11
phe.Fasting_rs2924508	S8	ZC3H3	rs75350765	S5	RCL1	2.92E-07	1	2.02E-04	1.09E-11	0.000441829	4.01E-08
phe.Fasting_rs2924508	S8	ZC3H3	rs76844308	S8	CNTLN	4.44E-13	1.81E-05	9.40E-10	1.03E-05	1	8.39E-03
phe.Fasting_rs2924508	S8	ZC3H3	rs78516788	S8	SLC38A1	1.03E-07	1	7.84E-05	2.85E-07	1	3.62E-04
phe.Fasting_rs2924508	S8	ZC3H3	rs79886603	S15	NA	2.40E-06	1	1.31E-03	7.07E-07	1	8.23E-04
phe.Fasting_rs2924511	S7	ZC3H3	rs114565620	S8	RCL1	2.92E-07	1	2.02E-04	4.40E-12	0.000179273	1.76E-08
phe.Fasting_rs2924511	S7	ZC3H3	rs139070959	S8	RPN2	1.38E-18	5.64E-11	3.38E-14	5.09E-15	2.07E-07	4.69E-11
phe.Fasting_rs2924511	S7	ZC3H3	rs145412529	S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	5.88E-15	2.40E-07	5.36E-11
phe.Fasting_rs2924511	S7	ZC3H3	rs75350765	S5	RCL1	2.92E-07	1	2.02E-04	4.40E-12	0.000179273	1.76E-08
phe.Fasting_rs2924511	S7	ZC3H3	rs75374128	S5	CNTLN	3.57E-11	0.00145818	4.97E-08	8.69E-06	1	7.27E-03
phe.Fasting_rs2924511	S7	ZC3H3	rs75864203	S8	CNTLN	3.57E-11	0.00145818	4.97E-08	8.69E-06	1	7.27E-03
phe.Fasting_rs2924511	S7	ZC3H3	rs76844308	S8	CNTLN	4.44E-13	1.81E-05	9.40E-10	4.99E-06	1	4.56E-03
phe.Fasting_rs2924511	S7	ZC3H3	rs78516788	S8	SLC38A1	1.03E-07	1	7.84E-05	1.88E-07	1	2.50E-04
phe.Fasting_rs2924511	S7	ZC3H3	rs78722272	S5	CNTLN	3.57E-11	0.00145818	4.97E-08	9.27E-06	1	7.67E-03
phe.Fasting_rs2924511	S7	ZC3H3	rs79886603	S15	NA	2.40E-06	1	1.31E-03	3.77E-07	1	4.66E-04
phe.Fasting_rs2924512	S7	ZC3H3	rs114565620	S8	RCL1	3.20E-07	1	2.20E-04	6.12E-12	0.000248918	2.36E-08
phe.Fasting_rs2924512	S7	ZC3H3	rs139070959	S8	RPN2	1.57E-18	6.41E-11	3.60E-14	5.52E-15	2.25E-07	5.04E-11
phe.Fasting_rs2924512	S7	ZC3H3	rs145412529	S8	"RBL1,RPS3A	8.77E-19	3.58E-11	2.75E-14	6.40E-15	2.61E-07	5.79E-11
phe.Fasting_rs2924512	S7	ZC3H3	rs75350765	S5	RCL1	3.20E-07	1	2.20E-04	6.12E-12	0.000248918	2.36E-08
phe.Fasting_rs2924512	S7	ZC3H3	rs78516788	S8	SLC38A1	1.27E-07	1	9.45E-05	1.86E-07	1	2.47E-04
phe.Fasting_rs2924512	S7	ZC3H3	rs79886603	S15	NA	2.70E-06	1	1.45E-03	4.58E-07	1	5.51E-04
phe.Fasting_rs2956376	S8	ZC3H3	rs114565620	S8	RCL1	2.92E-07	1	2.02E-04	2.75E-12	0.000112138	1.18E-08

phe.Fasting_rs2956376	S8	ZC3H3	rs139070959S8	RPN2	1.38E-18	5.64E-11	3.38E-14	4.19E-15	1.70E-07	3.90E-11
phe.Fasting_rs2956376	S8	ZC3H3	rs145412529S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	4.82E-15	1.96E-07	4.46E-11
phe.Fasting_rs2956376	S8	ZC3H3	rs75350765 S5	RCL1	2.92E-07	1	2.02E-04	2.75E-12	0.000112138	1.18E-08
phe.Fasting_rs2956376	S8	ZC3H3	rs75374128 S5	CNTLN	3.57E-11	0.00145818	4.97E-08	5.35E-06	1	4.85E-03
phe.Fasting_rs2956376	S8	ZC3H3	rs75864203 S8	CNTLN	3.57E-11	0.00145818	4.97E-08	5.35E-06	1	4.85E-03
phe.Fasting_rs2956376	S8	ZC3H3	rs76844308 S8	CNTLN	4.44E-13	1.81E-05	9.40E-10	3.18E-06	1	3.08E-03
phe.Fasting_rs2956376	S8	ZC3H3	rs78516788 S8	SLC38A1	1.03E-07	1	7.84E-05	1.29E-07	1	1.79E-04
phe.Fasting_rs2956376	S8	ZC3H3	rs78722272 S5	CNTLN	3.57E-11	1.46E-03	4.97E-08	5.72E-06	1	5.11E-03
phe.Fasting_rs2956376	S8	ZC3H3	rs79886603 S15	NA	2.40E-06	1.00E+00	1.31E-03	2.54E-07	1	3.27E-04
phe.Fasting_rs2980270	S7	ZC3H3	rs114565620S8	RCL1	2.92E-07	1	0.000201845	2.75E-12	0.000112138	1.18E-08
phe.Fasting_rs2980270	S7	ZC3H3	rs139070959S8	RPN2	1.38E-18	5.64E-11	3.38E-14	4.19E-15	1.70E-07	3.90E-11
phe.Fasting_rs2980270	S7	ZC3H3	rs145412529S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	4.82E-15	1.96E-07	4.46E-11
phe.Fasting_rs2980270	S7	ZC3H3	rs75350765 S5	RCL1	2.92E-07	1	0.000201845	2.75E-12	0.000112138	1.18E-08
phe.Fasting_rs2980270	S7	ZC3H3	rs75374128 S5	CNTLN	3.57E-11	0.00145818	4.97E-08	5.35E-06	1	4.85E-03
phe.Fasting_rs2980270	S7	ZC3H3	rs75864203 S8	CNTLN	3.57E-11	0.00145818	4.97E-08	5.35E-06	1	4.85E-03
phe.Fasting_rs2980270	S7	ZC3H3	rs76844308 S8	CNTLN	4.44E-13	1.81E-05	9.40E-10	3.18E-06	1	3.08E-03
phe.Fasting_rs2980270	S7	ZC3H3	rs78516788 S8	SLC38A1	1.03E-07	1	7.84E-05	1.29E-07	1	1.79E-04
phe.Fasting_rs2980270	S7	ZC3H3	rs78722272 S5	CNTLN	3.57E-11	0.00145818	4.97E-08	5.72E-06	1	5.11E-03
phe.Fasting_rs2980270	S7	ZC3H3	rs79886603 S15	NA	2.40E-06	1	0.00130558	2.54E-07	1	3.27E-04
phe.Fasting_rs2980272	S7	ZC3H3	rs114565620S8	RCL1	3.20E-07	1	0.000219893	6.69E-12	0.000272492	2.58E-08
phe.Fasting_rs2980272	S7	ZC3H3	rs139070959S8	RPN2	1.57E-18	6.41E-11	3.60E-14	5.95E-15	2.42E-07	5.41E-11
phe.Fasting_rs2980272	S7	ZC3H3	rs145412529S8	"RBL1,RPS3A	8.77E-19	3.58E-11	2.75E-14	6.86E-15	2.79E-07	6.13E-11
phe.Fasting_rs2980272	S7	ZC3H3	rs75350765 S5	RCL1	3.20E-07	1	0.000219893	6.69E-12	0.000272492	2.58E-08
phe.Fasting_rs2980272	S7	ZC3H3	rs78516788 S8	SLC38A1	1.27E-07	1	9.45E-05	1.98E-07	1	2.63E-04
phe.Fasting_rs2980272	S7	ZC3H3	rs79886603 S15	NA	2.70E-06	1	0.00145028	4.81E-07	1	5.76E-04
phe.Fasting_rs2980275	S5	ZC3H3	rs114565620S8	RCL1	2.92E-07	1	0.000201845	7.02E-12	0.00028576	2.70E-08
phe.Fasting_rs2980275	S5	ZC3H3	rs139070959S8	RPN2	1.38E-18	5.64E-11	3.38E-14	5.20E-15	2.12E-07	4.77E-11
phe.Fasting_rs2980275	S5	ZC3H3	rs145412529S8	"RBL1,RPS3A	7.67E-19	3.13E-11	2.70E-14	6.02E-15	2.45E-07	5.46E-11
phe.Fasting_rs2980275	S5	ZC3H3	rs75350765 S5	RCL1	2.92E-07	1	0.000201845	7.02E-12	0.00028576	2.70E-08
phe.Fasting_rs2980275	S5	ZC3H3	rs75374128 S5	CNTLN	3.57E-11	0.00145818	4.97E-08	1.16E-05	1	9.15E-03
phe.Fasting_rs2980275	S5	ZC3H3	rs75864203 S8	CNTLN	3.57E-11	0.00145818	4.97E-08	1.16E-05	1	9.15E-03
phe.Fasting_rs2980275	S5	ZC3H3	rs76844308 S8	CNTLN	4.44E-13	1.81E-05	9.40E-10	6.92E-06	1	6.01E-03
phe.Fasting_rs2980275	S5	ZC3H3	rs78516788 S8	SLC38A1	1.03E-07	1	7.84E-05	2.03E-07	1	2.69E-04
phe.Fasting_rs2980275	S5	ZC3H3	rs78722272 S5	CNTLN	3.57E-11	0.00145818	4.97E-08	1.23E-05	1	9.59E-03
phe.Fasting_rs2980275	S5	ZC3H3	rs79886603 S15	NA	2.40E-06	1	0.00130558	5.07E-07	1	6.05E-04
phe.Fasting_rs3124237	S8	DAPK1	rs141926074S8	ATE1	3.67E-06	1	0.0018945	4.22E-10	0.0171684	1.11E-06
phe.Fasting_rs34157687	S8	FANCD2	rs112027720S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs113219478S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs116279995S20	"PCDHGA4,PI	6.20E-07	1	0.000397692	3.53E-06	1	3.38E-03
phe.Fasting_rs34157687	S8	FANCD2	rs138090701S5	HDAC3	9.73E-07	1	0.000591548	5.73E-06	1	5.12E-03

phe.Fasting_rs34157687	S8	FANCD2	rs138136869S7	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	3.62E-04
phe.Fasting_rs34157687	S8	FANCD2	rs138457103S10	DIAPH1	2.44E-07	1	0.00017071	1.37E-06	1	1.49E-03
phe.Fasting_rs34157687	S8	FANCD2	rs138487229S11	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs138738950S8	"PCDHGB2,Pi	4.36E-07	1	0.000289116	1.61E-06	1	1.71E-03
phe.Fasting_rs34157687	S8	FANCD2	rs139297927S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs139337303S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs139403963S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	3.62E-04
phe.Fasting_rs34157687	S8	FANCD2	rs139621309S18	"LOC1005056	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs139828110S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	3.62E-04
phe.Fasting_rs34157687	S8	FANCD2	rs140070363S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs140644750S13	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs141022544S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs141525984S5	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs141692339S3	"PCDHGA6,Pi	8.21E-07	1	0.000508152	5.19E-06	1	4.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs141926074S8	ATE1	2.88E-07	1	0.000199324	2.16E-06	1	2.21E-03
phe.Fasting_rs34157687	S8	FANCD2	rs142480565S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs142718558S7	"DIAPH1,LOC	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs142789100S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	3.62E-04
phe.Fasting_rs34157687	S8	FANCD2	rs142812798S7	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	3.62E-04
phe.Fasting_rs34157687	S8	FANCD2	rs143377827S13	"DIAPH1,LOC	8.22E-08	1	6.39E-05	2.35E-07	1	3.05E-04
phe.Fasting_rs34157687	S8	FANCD2	rs143691978S11	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	3.76E-04
phe.Fasting_rs34157687	S8	FANCD2	rs144081334S11	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	3.76E-04
phe.Fasting_rs34157687	S8	FANCD2	rs144613910S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs145027704S11	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	3.76E-04
phe.Fasting_rs34157687	S8	FANCD2	rs146220673S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs146622060S13	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	3.76E-04
phe.Fasting_rs34157687	S8	FANCD2	rs146878162S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs147314451S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs147417996S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.97E-07	1	3.76E-04
phe.Fasting_rs34157687	S8	FANCD2	rs147506725S21	"PCDHGA1,Pi	6.20E-07	1	3.98E-04	3.53E-06	1	3.38E-03
phe.Fasting_rs34157687	S8	FANCD2	rs147646948S7	"LOC1005056	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs147677041S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1	3.62E-04
phe.Fasting_rs34157687	S8	FANCD2	rs148116628S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs148423011S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs149019627S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1	3.62E-04
phe.Fasting_rs34157687	S8	FANCD2	rs149075406S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs149334783S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs149553852S21	"PCDHGA10,Pi	6.20E-07	1	0.000397692	3.53E-06	1	3.38E-03
phe.Fasting_rs34157687	S8	FANCD2	rs149716949S5	DIAPH1	4.70E-08	1	3.87E-05	3.17E-07	1	3.99E-04
phe.Fasting_rs34157687	S8	FANCD2	rs149791570S5	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	3.62E-04

phe.Fasting_rs34157687	S8	FANCD2	rs150452206	S13	"DIAPH1,LOC	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs150675915	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs150765570	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs150992994	S11	"PCDHGA5,PI	4.50E-07	1	0.000297756	1.56E-06	1	1.66E-03
phe.Fasting_rs34157687	S8	FANCD2	rs151204700	S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs151330468	S8	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	3.76E-04
phe.Fasting_rs34157687	S8	FANCD2	rs180772028	S8	"DIAPH1,LOC	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs181224861	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs181247960	S21	"PCDHGA9,PI	6.20E-07	1	0.000397692	3.53E-06	1	3.38E-03
phe.Fasting_rs34157687	S8	FANCD2	rs181824655	S21	"PCDHGB6,PI	6.20E-07	1	0.000397692	3.53E-06	1	3.38E-03
phe.Fasting_rs34157687	S8	FANCD2	rs182714699	S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs182958142	S8	DIAPH1	2.15E-07	1	0.0001523	5.72E-06	1	5.11E-03
phe.Fasting_rs34157687	S8	FANCD2	rs182965141	S8	DIAPH1	8.44E-08	1	6.55E-05	3.00E-06	1	2.92E-03
phe.Fasting_rs34157687	S8	FANCD2	rs183597049	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs183980988	S2	NA	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs184233232	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs184509477	S13	"PCDHGB4,PI	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs185069296	S15	"LOC1005056	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs185502834	S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	3.62E-04
phe.Fasting_rs34157687	S8	FANCD2	rs185759881	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs186288044	S21	"PCDHGB4,PI	6.20E-07	1	0.000397692	3.53E-06	1	3.38E-03
phe.Fasting_rs34157687	S8	FANCD2	rs187000011	S11	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs188981295	S5	"RPS27AP10,	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs190559574	S7	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	3.62E-04
phe.Fasting_rs34157687	S8	FANCD2	rs191544043	S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs191766712	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs192690040	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs192765219	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs192770525	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs34157687	S8	FANCD2	rs35990401	S7	DIAPH1	3.35E-07	1	0.000229529	5.65E-07	1	6.69E-04
phe.Fasting_rs34157687	S8	FANCD2	rs3856797	S12	VGLL4	1.22E-05	1	0.00541401	6.19E-07	1	7.28E-04
phe.Fasting_rs34157687	S8	FANCD2	rs55900860	S7	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	3.62E-04
phe.Fasting_rs34157687	S8	FANCD2	rs57503635	S3	NA	3.60E-09	0.147212	3.63E-06	4.64E-17	1.89E-09	3.64E-12
phe.Fasting_rs34157687	S8	FANCD2	rs79517926	S15	"DIAPH1,LOC	1.06E-07	1	8.00E-05	2.93E-06	1	2.87E-03
phe.Fasting_rs34426187	S8	UBE2W	rs139070959	S8	RPN2	1.16E-06	1	0.000694491	1.96E-07	1	2.60E-04
phe.Fasting_rs34426187	S8	UBE2W	rs145412529	S8	"RBL1,RPS3A	5.98E-07	1	0.000385566	1.37E-06	1	1.50E-03
phe.Fasting_rs34665390	S7	COPG2	rs116079984	S8	KPNA3	5.27E-06	1	0.00260564	6.85E-10	0.0278995	1.71E-06
phe.Fasting_rs34665390	S7	COPG2	rs74627895	S8	TMEM64	1.77E-10	7.23E-03	2.21E-07	8.82E-06	1	7.36E-03
phe.Fasting_rs34801978	S3	HOXB2	rs73619637	S8	NA	1.77E-05	1.00E+00	7.48E-03	1.01E-07	1	1.42E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,	rs112027720	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03



phe.Fasting_rs35585404	S7	"FANCD2OS,Irs113219478 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs116279995 S20	"PCDHGA4,Pi	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1	3.20E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs138090701 S5	HDAC3	9.73E-07	1.00E+00	5.92E-04	5.43E-06	1	4.91E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs138136869 S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs138457103 S10	DIAPH1	2.44E-07	1.00E+00	1.71E-04	1.29E-06	1	1.42E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs138487229 S11	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs138738950 S8	"PCDHGB2,Pi	4.36E-07	1.00E+00	2.89E-04	1.52E-06	1	1.64E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs139297927 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs139337303 S8	DIAPH1	4.36E-07	1	0.000289116	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs139403963 S8	DIAPH1	7.49E-08	1	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs139621309 S18	"LOC1005056	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs139828110 S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs140070363 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs140644750 S13	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs141022544 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs141525984 S5	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs141692339 S3	"PCDHGA6,Pi	8.21E-07	1	5.08E-04	4.90E-06	1	4.49E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs141926074 S8	ATE1	2.88E-07	1	1.99E-04	2.02E-06	1	2.09E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs142480565 S8	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs142718558 S7	"DIAPH1,LOC	4.36E-07	1	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs142789100 S8	DIAPH1	7.49E-08	1	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs142812798 S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs143377827 S13	"DIAPH1,LOC	8.22E-08	1.00E+00	6.39E-05	2.21E-07	1	2.90E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs143691978 S11	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs144081334 S11	DIAPH1	7.49E-08	1	5.87E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs144613910 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs145027704 S11	DIAPH1	7.49E-08	1	5.87E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs146220673 S7	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs146622060 S13	DIAPH1	7.49E-08	1	5.87E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs146878162 S7	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs147314451 S8	DIAPH1	4.36E-07	1	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs147417996 S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs147506725 S21	"PCDHGA1,Pi	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1	3.20E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs147646948 S7	"LOC1005056	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs147677041 S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs148116628 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs148423011 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs149019627 S8	DIAPH1	7.49E-08	1	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs149075406 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs149334783 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03

phe.Fasting_rs35585404	S7	"FANCD2OS,Irs149553852	S21	"PCDHGA10,I	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1	3.20E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs149716949	S5	DIAPH1	4.70E-08	1.00E+00	3.87E-05	2.98E-07	1	3.77E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs149791570	S5	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs150452206	S13	"DIAPH1,LOC	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs150675915	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs150765570	S7	DIAPH1	4.36E-07	1	0.000289116	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs150992994	S11	"PCDHGA5,Pi	4.50E-07	1.00E+00	2.98E-04	1.47E-06	1	1.59E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs151204700	S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs151330468	S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs180772028	S8	"DIAPH1,LOC	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs181224861	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs181247960	S21	"PCDHGA9,Pi	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1	3.20E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs181824655	S21	"PCDHGB6,Pi	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1	3.20E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs182714699	S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs182958142	S8	DIAPH1	2.15E-07	1	0.0001523	5.42E-06	1	4.91E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs182965141	S8	DIAPH1	8.44E-08	1.00E+00	6.55E-05	2.83E-06	1	2.78E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs183597049	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs183980988	S2	NA	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs184233232	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs184509477	S13	"PCDHGB4,Pi	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs185069296	S15	"LOC1005056	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs185502834	S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs185759881	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs186288044	S21	"PCDHGB4,Pi	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1	3.20E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs187000011	S11	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs188981295	S5	"RPS27AP10,	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs190559574	S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs191544043	S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs191766712	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs192690040	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs192765219	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs192770525	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs35990401	S7	DIAPH1	3.35E-07	1.00E+00	2.30E-04	5.33E-07	1	6.34E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs3856797	S12	VGLL4	1.22E-05	1	5.41E-03	9.28E-07	1	1.05E-03
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs55900860	S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs57503635	S3	NA	3.60E-09	1.47E-01	3.63E-06	4.32E-17	1.76E-09	3.52E-12
phe.Fasting_rs35585404	S7	"FANCD2OS,Irs79517926	S15	"DIAPH1,LOC	1.06E-07	1.00E+00	8.00E-05	2.75E-06	1	2.71E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs112027720	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs113219478	S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs116279995	S20	"PCDHGA4,Pi	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1	3.20E-03

phe.Fasting_rs35793548	S7	"FANCD2OS,Irs138090701 S5	HDAC3	9.73E-07	1.00E+00	5.92E-04	5.43E-06	1	4.91E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs138136869 S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs138457103 S10	DIAPH1	2.44E-07	1.00E+00	1.71E-04	1.29E-06	1	1.42E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs138487229 S11	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs138738950 S8	"PCDHGB2,PI	4.36E-07	1.00E+00	2.89E-04	1.52E-06	1	1.64E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs139297927 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs139337303 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs139403963 S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs139621309 S18	"LOC1005056	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs139828110 S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs140070363 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs140644750 S13	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs141022544 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs141525984 S5	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs141692339 S3	"PCDHGA6,PI	8.21E-07	1.00E+00	5.08E-04	4.90E-06	1	4.49E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs141926074 S8	ATE1	2.88E-07	1.00E+00	1.99E-04	2.02E-06	1	2.09E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs142480565 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs142718558 S7	"DIAPH1,LOC	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs142789100 S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs142812798 S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs143377827 S13	"DIAPH1,LOC	8.22E-08	1.00E+00	6.39E-05	2.21E-07	1	2.90E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs143691978 S11	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs144081334 S11	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs144613910 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs145027704 S11	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs146220673 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs146622060 S13	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs146878162 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs147314451 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs147417996 S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs147506725 S21	"PCDHGA1,PI	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1	3.20E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs147646948 S7	"LOC1005056	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs147677041 S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs148116628 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs148423011 S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs149019627 S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs149075406 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs149334783 S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs149553852 S21	"PCDHGA10,PI	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1	3.20E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs149716949 S5	DIAPH1	4.70E-08	1.00E+00	3.87E-05	2.98E-07	1	3.77E-04

phe.Fasting_rs35793548	S7	"FANCD2OS,Irs149791570S5	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs150452206S13	"DIAPH1,LOC	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs150675915S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs150765570S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs150992994S11	"PCDHGA5,Pi	4.50E-07	1.00E+00	2.98E-04	1.47E-06	1	1.59E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs151204700S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs151330468S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs180772028S8	"DIAPH1,LOC	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs181224861S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs181247960S21	"PCDHGA9,Pi	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1	3.20E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs181824655S21	"PCDHGB6,Pi	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1	3.20E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs182714699S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs182958142S8	DIAPH1	2.15E-07	1.00E+00	1.52E-04	5.42E-06	1	4.91E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs182965141S8	DIAPH1	8.44E-08	1.00E+00	6.55E-05	2.83E-06	1	2.78E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs183597049S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs183980988S2	NA	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs184233232S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs184509477S13	"PCDHGB4,Pi	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs185069296S15	"LOC1005056	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs185502834S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs185759881S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs186288044S21	"PCDHGB4,Pi	6.20E-07	1.00E+00	3.98E-04	3.33E-06	1	3.20E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs187000011S11	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs188981295S5	"RPS27AP10,	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs190559574S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs191544043S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs191766712S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs192690040S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs192765219S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs192770525S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.54E-06	1	1.65E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs35990401 S7	DIAPH1	3.35E-07	1.00E+00	2.30E-04	5.33E-07	1	6.34E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs3856797 S12	VGLL4	1.22E-05	1.00E+00	5.41E-03	9.28E-07	1	1.05E-03
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs55900860 S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.68E-07	1	3.43E-04
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs57503635 S3	NA	3.60E-09	1.47E-01	3.63E-06	4.32E-17	1.76E-09	3.52E-12
phe.Fasting_rs35793548	S7	"FANCD2OS,Irs79517926 S15	"DIAPH1,LOC	1.06E-07	1.00E+00	8.00E-05	2.75E-06	1	2.71E-03
phe.Fasting_rs35990401	S7	DIAPH1 rs111576333S5	TMEM64	2.04E-06	1.00E+00	1.14E-03	1.89E-14	7.69E-07	1.55E-10
phe.Fasting_rs35990401	S7	DIAPH1 rs112089881S8	ZFAND4	1.58E-17	6.45E-10	1.21E-13	3.48E-10	0.0141516	9.21E-07
phe.Fasting_rs35990401	S7	DIAPH1 rs112091318S5	TMEM64	6.07E-07	1.00E+00	3.91E-04	1.51E-08	0.614243	2.67E-05
phe.Fasting_rs35990401	S7	DIAPH1 rs114334325S7	AP3M2	5.28E-15	2.16E-07	1.37E-11	1.38E-07	1	1.89E-04
phe.Fasting_rs35990401	S7	DIAPH1 rs114394395S7	AP3M2	5.61E-15	2.29E-07	1.46E-11	1.38E-07	1	1.89E-04

phe.Fasting_rs35990401	S7	DIAPH1	rs114565620	S8	RCL1	1.20E-16	4.90E-09	4.92E-13	1.41E-08	0.575181	2.53E-05
phe.Fasting_rs35990401	S7	DIAPH1	rs115083290	S19	NA	3.58E-16	1.46E-08	1.17E-12	4.52E-09	0.183881	9.08E-06
phe.Fasting_rs35990401	S7	DIAPH1	rs115752779	S19	NA	3.58E-16	1.46E-08	1.17E-12	4.52E-09	0.183881	9.08E-06
phe.Fasting_rs35990401	S7	DIAPH1	rs115787552	S5	KPNA3	2.33E-15	9.53E-08	6.57E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs115888477	S8	NA	1.61E-14	6.59E-07	4.05E-11	7.57E-15	3.08E-07	6.71E-11
phe.Fasting_rs35990401	S7	DIAPH1	rs116011837	S9	BRD2	4.39E-11	1.79E-03	6.00E-08	1.51E-14	6.13E-07	1.27E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs116079984	S8	KPNA3	2.33E-15	9.53E-08	6.57E-12	4.41E-14	1.80E-06	3.07E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs116120727	S9	BRD2	4.39E-11	1.79E-03	6.00E-08	1.51E-14	6.13E-07	1.27E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs116406581	S2	NA	2.07E-14	8.45E-07	5.12E-11	8.24E-08	1	1.19E-04
phe.Fasting_rs35990401	S7	DIAPH1	rs116548615	S8	TMEM45B	1.34E-16	5.49E-09	5.35E-13	4.86E-12	0.000197863	1.92E-08
phe.Fasting_rs35990401	S7	DIAPH1	rs116696844	S3	AP3M2	7.91E-15	3.23E-07	2.03E-11	1.38E-07	1	1.89E-04
phe.Fasting_rs35990401	S7	DIAPH1	rs11989304	S4	TMEM64	2.04E-06	1	1.14E-03	2.30E-11	0.000934597	7.99E-08
phe.Fasting_rs35990401	S7	DIAPH1	rs140524622	S7	MRPL10	8.14E-17	3.32E-09	3.58E-13	2.74E-06	1	2.71E-03
phe.Fasting_rs35990401	S7	DIAPH1	rs146815317	S5	KPNA3	2.33E-15	9.53E-08	6.57E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs150117838	S8	KPNA3	2.33E-15	9.53E-08	6.57E-12	3.88E-14	1.58E-06	2.77E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs150916187	S4	HIST1H2BK	1.31E-05	1	5.79E-03	4.45E-15	1.81E-07	4.13E-11
phe.Fasting_rs35990401	S7	DIAPH1	rs16894241	S4	HIST1H2BK	1.95E-11	0.000797308	2.91E-08	1.21E-14	4.92E-07	1.04E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs2153597	S8	ZNF438	4.44E-11	0.00181386	6.06E-08	1.36E-09	0.0554562	3.12E-06
phe.Fasting_rs35990401	S7	DIAPH1	rs34801978	S3	HOXB2	1.08E-05	1	4.89E-03	3.18E-09	0.129398	6.69E-06
phe.Fasting_rs35990401	S7	DIAPH1	rs4732511	S13	POR	5.46E-14	2.23E-06	1.28E-10	4.24E-06	1	3.97E-03
phe.Fasting_rs35990401	S7	DIAPH1	rs57503635	S3	NA	5.14E-16	2.10E-08	1.62E-12	1.17E-14	4.77E-07	1.01E-10
phe.Fasting_rs35990401	S7	DIAPH1	rs60011869	S16	NA	9.41E-06	1	4.34E-03	2.99E-07	1	3.78E-04
phe.Fasting_rs35990401	S7	DIAPH1	rs6964407	S7	POR	1.79E-13	7.33E-06	3.97E-10	3.90E-06	1	3.68E-03
phe.Fasting_rs35990401	S7	DIAPH1	rs7004597	S8	NA	5.28E-15	2.16E-07	1.37E-11	8.19E-08	1	1.18E-04
phe.Fasting_rs35990401	S7	DIAPH1	rs7256517	S7	CYTH2	7.66E-16	3.13E-08	2.33E-12	1.66E-12	6.75E-05	7.38E-09
phe.Fasting_rs35990401	S7	DIAPH1	rs73283603	S7	ZWINT	1.96E-06	1	1.10E-03	6.64E-08	1	9.92E-05
phe.Fasting_rs35990401	S7	DIAPH1	rs73392640	S8	POLR3B	2.09E-10	0.00851672	2.57E-07	1.81E-11	0.000735868	6.45E-08
phe.Fasting_rs35990401	S7	DIAPH1	rs734069	S19	NA	3.93E-07	1	2.65E-04	1.59E-10	0.00648853	4.65E-07
phe.Fasting_rs35990401	S7	DIAPH1	rs73619637	S8	NA	1.06E-15	4.32E-08	3.12E-12	1.00E-07	1	1.41E-04
phe.Fasting_rs35990401	S7	DIAPH1	rs74627895	S8	TMEM64	6.07E-07	1	3.91E-04	7.66E-09	0.311718	1.47E-05
phe.Fasting_rs35990401	S7	DIAPH1	rs74914207	S24	NA	1.27E-10	0.00520584	1.62E-07	3.83E-11	0.00156001	1.27E-07
phe.Fasting_rs35990401	S7	DIAPH1	rs75350765	S5	RCL1	1.20E-16	4.90E-09	4.92E-13	1.41E-08	0.575181	2.53E-05
phe.Fasting_rs35990401	S7	DIAPH1	rs75374128	S5	CNTLN	1.21E-16	4.95E-09	4.95E-13	3.81E-08	1	5.99E-05
phe.Fasting_rs35990401	S7	DIAPH1	rs75506779	S5	TMCO3	5.25E-07	1	3.43E-04	4.09E-09	0.166311	8.38E-06
phe.Fasting_rs35990401	S7	DIAPH1	rs75758702	S24	NA	5.25E-17	2.14E-09	2.57E-13	4.83E-11	0.00196695	1.56E-07
phe.Fasting_rs35990401	S7	DIAPH1	rs75864203	S8	CNTLN	1.21E-16	4.95E-09	4.95E-13	3.81E-08	1	5.99E-05
phe.Fasting_rs35990401	S7	DIAPH1	rs75949566	S5	TMEM64	2.38E-06	1	1.30E-03	2.91E-11	0.00118347	9.96E-08
phe.Fasting_rs35990401	S7	DIAPH1	rs76844308	S8	CNTLN	6.49E-17	2.65E-09	2.98E-13	3.56E-08	1	5.67E-05
phe.Fasting_rs35990401	S7	DIAPH1	rs7763107	S8	FARS2	4.27E-16	1.75E-08	1.38E-12	2.93E-12	0.000119347	1.25E-08
phe.Fasting_rs35990401	S7	DIAPH1	rs77798597	S7	KPNA3	2.33E-15	9.53E-08	6.57E-12	3.88E-14	1.58E-06	2.77E-10

phe.Fasting_	rs35990401	S7	DIAPH1	rs77845645	S21	NA	1.30E-06	1	7.66E-04	1.46E-11	0.000593244	5.27E-08
phe.Fasting_	rs35990401	S7	DIAPH1	rs78353402	S8	AP3M2	5.28E-15	2.16E-07	1.37E-11	1.38E-07	1	1.89E-04
phe.Fasting_	rs35990401	S7	DIAPH1	rs78516788	S8	SLC38A1	2.51E-11	0.0010242	3.64E-08	9.15E-11	0.0037246	2.81E-07
phe.Fasting_	rs35990401	S7	DIAPH1	rs78697063	S5	MSI2	5.33E-19	2.17E-11	2.49E-14	2.11E-10	0.00860784	5.94E-07
phe.Fasting_	rs35990401	S7	DIAPH1	rs78703708	S7	FAF2	3.95E-11	0.00161483	5.44E-08	1.26E-05	1	9.77E-03
phe.Fasting_	rs35990401	S7	DIAPH1	rs78722272	S5	CNTLN	1.21E-16	4.95E-09	4.95E-13	3.97E-08	1	6.22E-05
phe.Fasting_	rs35990401	S7	DIAPH1	rs78736524	S5	KPNA3	2.33E-15	9.53E-08	6.57E-12	4.20E-14	1.71E-06	2.93E-10
phe.Fasting_	rs35990401	S7	DIAPH1	rs78990344	S2	LOC1005063	2.04E-06	1	1.14E-03	2.30E-11	0.000934597	7.99E-08
phe.Fasting_	rs35990401	S7	DIAPH1	rs79781495	S8	KPNA3	2.33E-15	9.53E-08	6.57E-12	3.88E-14	1.58E-06	2.77E-10
phe.Fasting_	rs35990401	S7	DIAPH1	rs80200953	S8	PPP2R5D	6.81E-17	2.78E-09	3.09E-13	1.12E-09	0.0455817	2.64E-06
phe.Fasting_	rs35990401	S7	DIAPH1	rs80332465	S5	KPNA3	2.46E-15	1.01E-07	6.92E-12	4.18E-14	1.70E-06	2.93E-10
phe.Fasting_	rs35990401	S7	DIAPH1	rs80334773	S5	KPNA3	2.46E-15	1.01E-07	6.92E-12	4.18E-14	1.70E-06	2.93E-10
phe.Fasting_	rs36016794	S21	ARHGAP39	rs139070959	S8	RPN2	7.11E-17	2.90E-09	3.19E-13	1.79E-07	1	2.40E-04
phe.Fasting_	rs36016794	S21	ARHGAP39	rs145412529	S8	"RBL1,RPS3A	4.02E-17	1.64E-09	2.14E-13	1.90E-07	1	2.53E-04
phe.Fasting_	rs366767	S5	ZC3H3	rs114565620	S8	RCL1	4.48E-07	1	0.000296364	3.24E-12	0.000131823	1.37E-08
phe.Fasting_	rs366767	S5	ZC3H3	rs139070959	S8	RPN2	1.79E-18	7.31E-11	3.84E-14	4.54E-15	1.85E-07	4.22E-11
phe.Fasting_	rs366767	S5	ZC3H3	rs145412529	S8	"RBL1,RPS3A	9.93E-19	4.06E-11	2.92E-14	5.18E-15	2.11E-07	4.77E-11
phe.Fasting_	rs366767	S5	ZC3H3	rs75350765	S5	RCL1	4.48E-07	1.00E+00	2.96E-04	3.24E-12	0.000131823	1.37E-08
phe.Fasting_	rs366767	S5	ZC3H3	rs75374128	S5	CNTLN	8.87E-11	3.62E-03	1.16E-07	5.59E-06	1	5.02E-03
phe.Fasting_	rs366767	S5	ZC3H3	rs75864203	S8	CNTLN	8.87E-11	3.62E-03	1.16E-07	5.59E-06	1	5.02E-03
phe.Fasting_	rs366767	S5	ZC3H3	rs76844308	S8	CNTLN	9.70E-13	3.96E-05	2.00E-09	3.38E-06	1	3.25E-03
phe.Fasting_	rs366767	S5	ZC3H3	rs78516788	S8	SLC38A1	1.59E-07	1.00E+00	1.15E-04	1.41E-07	1	1.94E-04
phe.Fasting_	rs366767	S5	ZC3H3	rs78722272	S5	CNTLN	8.87E-11	3.62E-03	1.16E-07	5.97E-06	1	5.30E-03
phe.Fasting_	rs366767	S5	ZC3H3	rs79886603	S15	NA	5.21E-06	1	2.58E-03	2.71E-07	1	3.47E-04
phe.Fasting_	rs3741054	S1	ACAT1	rs116681717	S8	DTD2	1.21E-08	0.492215	1.10E-05	8.96E-07	1	1.02E-03
phe.Fasting_	rs3741054	S1	ACAT1	rs141072133	S8	DTD2	1.24E-08	0.507745	1.14E-05	2.89E-06	1	2.84E-03
phe.Fasting_	rs3769992	S8	MTX2	rs116011837	S9	BRD2	1.52E-05	1	0.00656863	1.16E-05	1	9.14E-03
phe.Fasting_	rs3769992	S8	MTX2	rs116120727	S9	BRD2	1.52E-05	1	6.57E-03	1.16E-05	1	9.14E-03
phe.Fasting_	rs3769992	S8	MTX2	rs149716949	S5	DIAPH1	5.47E-08	1.00E+00	4.45E-05	1.76E-06	1	1.85E-03
phe.Fasting_	rs3769992	S8	MTX2	rs150992994	S11	"PCDHGA5,Pi	1.36E-07	1.00E+00	1.00E-04	1.09E-06	1	1.22E-03
phe.Fasting_	rs3769992	S8	MTX2	rs79517926	S15	"DIAPH1,LOC	1.32E-06	1.00E+00	7.77E-04	6.78E-09	0.276178	1.31E-05
phe.Fasting_	rs3772186	S6	PHC3	rs111576333	S5	TMEM64	2.07E-08	8.44E-01	1.82E-05	2.31E-10	0.00941342	6.43E-07
phe.Fasting_	rs3772186	S6	PHC3	rs112091318	S5	TMEM64	6.28E-09	2.57E-01	6.07E-06	3.37E-10	0.013698	8.96E-07
phe.Fasting_	rs3772186	S6	PHC3	rs112348319	S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_	rs3772186	S6	PHC3	rs112608164	S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_	rs3772186	S6	PHC3	rs113568654	S12	SPTLC1	1.84E-05	1.00E+00	7.76E-03	1.04E-08	0.421423	1.91E-05
phe.Fasting_	rs3772186	S6	PHC3	rs114565620	S8	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	4.90E-04
phe.Fasting_	rs3772186	S6	PHC3	rs115083290	S19	NA	8.85E-08	1	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_	rs3772186	S6	PHC3	rs115752779	S19	NA	8.85E-08	1	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_	rs3772186	S6	PHC3	rs115888477	S8	NA	1.34E-06	1	7.91E-04	7.82E-11	0.00318365	2.44E-07

phe.Fasting_rs3772186	S6	PHC3	rs116011837 S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs3772186	S6	PHC3	rs116120727 S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs3772186	S6	PHC3	rs116548615 S8	TMEM45B	5.29E-19	2.16E-11	2.49E-14	7.92E-10	0.0322544	1.95E-06
phe.Fasting_rs3772186	S6	PHC3	rs11989304 S4	TMEM64	2.07E-08	0.844108	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs3772186	S6	PHC3	rs140524622 S7	MRPL10	2.30E-08	0.93902	2.01E-05	2.14E-06	1	2.19E-03
phe.Fasting_rs3772186	S6	PHC3	rs141926074 S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs3772186	S6	PHC3	rs73392640 S8	POLR3B	6.58E-08	1	5.26E-05	8.97E-06	1	7.47E-03
phe.Fasting_rs3772186	S6	PHC3	rs74627895 S8	TMEM64	6.28E-09	0.256524	6.07E-06	1.27E-06	1	1.40E-03
phe.Fasting_rs3772186	S6	PHC3	rs75350765 S5	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	4.90E-04
phe.Fasting_rs3772186	S6	PHC3	rs75506779 S5	TMCO3	7.38E-14	3.01E-06	1.70E-10	3.50E-06	1	3.35E-03
phe.Fasting_rs3772186	S6	PHC3	rs75949566 S5	TMEM64	2.26E-08	0.923876	1.98E-05	3.24E-10	0.0132	8.70E-07
phe.Fasting_rs3772186	S6	PHC3	rs76542405 S5	SPTLC1	1.92E-05	1	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs3772186	S6	PHC3	rs77523818 S7	SPTLC1	1.92E-05	1	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs3772186	S6	PHC3	rs7763107 S8	FARS2	1.30E-09	0.0532742	1.41E-06	2.87E-06	1	2.82E-03
phe.Fasting_rs3772186	S6	PHC3	rs77845645 S21	NA	9.87E-09	0.403004	9.22E-06	9.90E-13	4.03E-05	4.68E-09
phe.Fasting_rs3772186	S6	PHC3	rs78990344 S2	LOC10050631	2.07E-08	0.844108	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs3804619	S8	COPG2	rs116079984 S8	KPNA3	6.53E-06	1	3.16E-03	3.57E-08	1	5.68E-05
phe.Fasting_rs3804619	S8	COPG2	rs74627895 S8	TMEM64	2.27E-10	0.00926441	2.78E-07	7.43E-06	1	6.37E-03
phe.Fasting_rs3804620	S8	COPG2	rs116079984 S8	KPNA3	6.53E-06	1	3.16E-03	5.99E-10	0.024378	1.51E-06
phe.Fasting_rs3804620	S8	COPG2	rs74627895 S8	TMEM64	2.27E-10	0.00926441	2.78E-07	7.80E-06	1	6.63E-03
phe.Fasting_rs3856797	S12	VGLL4	rs112027720 S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs113219478 S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs115787552 S5	KPNA3	1.04E-06	1	6.28E-04	6.56E-08	1	9.81E-05
phe.Fasting_rs3856797	S12	VGLL4	rs115888477 S8	NA	1.08E-05	1	4.91E-03	6.13E-06	1	5.42E-03
phe.Fasting_rs3856797	S12	VGLL4	rs116079984 S8	KPNA3	1.04E-06	1	6.28E-04	4.60E-08	1	7.11E-05
phe.Fasting_rs3856797	S12	VGLL4	rs116279995 S20	"PCDHGA4,Pi	2.49E-09	0.10151	2.56E-06	2.57E-09	0.104728	5.53E-06
phe.Fasting_rs3856797	S12	VGLL4	rs138136869 S7	DIAPH1	9.74E-09	0.397611	9.11E-06	3.00E-06	1	2.92E-03
phe.Fasting_rs3856797	S12	VGLL4	rs138457103 S10	DIAPH1	3.74E-09	0.152777	3.74E-06	2.66E-09	0.108448	5.71E-06
phe.Fasting_rs3856797	S12	VGLL4	rs138487229 S11	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs138738950 S8	"PCDHGB2,Pi	5.93E-10	0.0242124	6.72E-07	8.51E-10	0.0346469	2.06E-06
phe.Fasting_rs3856797	S12	VGLL4	rs139297927 S8	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs139337303 S8	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs139403963 S8	DIAPH1	9.74E-09	0.397611	9.11E-06	3.00E-06	1	2.92E-03
phe.Fasting_rs3856797	S12	VGLL4	rs139621309 S18	"LOC100505063	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs139828110 S8	DIAPH1	9.74E-09	0.397611	9.11E-06	3.00E-06	1	2.92E-03
phe.Fasting_rs3856797	S12	VGLL4	rs140070363 S8	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs140524622 S7	MRPL10	9.64E-08	1	7.38E-05	4.22E-08	1	6.59E-05
phe.Fasting_rs3856797	S12	VGLL4	rs140644750 S13	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs141022544 S8	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs141525984 S5	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06

phe.Fasting_	rs3856797	S12	VGLL4	rs141692339S3	"PCDHGA6,Pi	3.62E-10	0.0147832	4.24E-07	3.80E-09	0.154843	7.83E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs141926074S8	ATE1	1.95E-06	1.00E+00	1.09E-03	5.37E-12	0.00021877	2.11E-08
phe.Fasting_	rs3856797	S12	VGLL4	rs142480565S8	DIAPH1	5.93E-10	2.42E-02	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs142718558S7	"DIAPH1,LOC	5.93E-10	2.42E-02	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs142789100S8	DIAPH1	9.74E-09	3.98E-01	9.11E-06	3.00E-06	1	2.92E-03
phe.Fasting_	rs3856797	S12	VGLL4	rs142812798S7	DIAPH1	9.74E-09	0.397611	9.11E-06	3.00E-06	1	2.92E-03
phe.Fasting_	rs3856797	S12	VGLL4	rs143377827S13	"DIAPH1,LOC	4.18E-09	1.71E-01	4.13E-06	9.78E-07	1	1.11E-03
phe.Fasting_	rs3856797	S12	VGLL4	rs143691978S11	DIAPH1	9.74E-09	3.98E-01	9.11E-06	2.93E-06	1	2.88E-03
phe.Fasting_	rs3856797	S12	VGLL4	rs144081334S11	DIAPH1	9.74E-09	0.397611	9.11E-06	2.93E-06	1	2.88E-03
phe.Fasting_	rs3856797	S12	VGLL4	rs144613910S8	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs145027704S11	DIAPH1	9.74E-09	0.397611	9.11E-06	2.93E-06	1	2.88E-03
phe.Fasting_	rs3856797	S12	VGLL4	rs146220673S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs146622060S13	DIAPH1	9.74E-09	3.98E-01	9.11E-06	2.93E-06	1	2.88E-03
phe.Fasting_	rs3856797	S12	VGLL4	rs146815317S5	KPNA3	1.04E-06	1.00E+00	6.28E-04	6.56E-08	1	9.81E-05
phe.Fasting_	rs3856797	S12	VGLL4	rs146878162S7	DIAPH1	5.93E-10	2.42E-02	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs147314451S8	DIAPH1	5.93E-10	2.42E-02	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs147417996S7	DIAPH1	9.74E-09	3.98E-01	9.11E-06	2.93E-06	1	2.88E-03
phe.Fasting_	rs3856797	S12	VGLL4	rs147506725S21	"PCDHGA1,Pi	2.49E-09	1.02E-01	2.56E-06	2.57E-09	0.104728	5.53E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs147646948S7	"LOC10050505	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs147677041S8	DIAPH1	9.74E-09	0.397611	9.11E-06	3.00E-06	1	2.92E-03
phe.Fasting_	rs3856797	S12	VGLL4	rs148116628S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs148423011S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs149019627S8	DIAPH1	9.74E-09	0.397611	9.11E-06	3.00E-06	1	2.92E-03
phe.Fasting_	rs3856797	S12	VGLL4	rs149075406S8	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs149334783S8	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs149553852S21	"PCDHGA10,	2.49E-09	0.10151	2.56E-06	2.57E-09	0.104728	5.53E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs149716949S5	DIAPH1	2.52E-11	0.00103004	3.65E-08	7.83E-10	0.0318834	1.93E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs149791570S5	DIAPH1	9.74E-09	0.397611	9.11E-06	3.00E-06	1	2.92E-03
phe.Fasting_	rs3856797	S12	VGLL4	rs150117838S8	KPNA3	1.04E-06	1	0.000627812	6.46E-08	1	9.67E-05
phe.Fasting_	rs3856797	S12	VGLL4	rs150452206S13	"DIAPH1,LOC	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs150675915S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs150765570S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs150992994S11	"PCDHGA5,Pi	6.08E-10	0.0248395	6.87E-07	2.40E-09	0.0977664	5.20E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs151204700S8	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs151330468S8	DIAPH1	9.74E-09	0.397611	9.11E-06	2.93E-06	1	2.88E-03
phe.Fasting_	rs3856797	S12	VGLL4	rs180772028S8	"DIAPH1,LOC	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs181224861S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs181247960S21	"PCDHGA9,Pi	2.49E-09	0.10151	2.56E-06	2.57E-09	0.104728	5.53E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs181824655S21	"PCDHGB6,Pi	2.49E-09	0.10151	2.56E-06	2.57E-09	0.104728	5.53E-06
phe.Fasting_	rs3856797	S12	VGLL4	rs182714699S8	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06



phe.Fasting_rs3856797	S12	VGLL4	rs182965141 S8	DIAPH1	1.10E-08	4.47E-01	1.01E-05	4.28E-06	1	4.01E-03
phe.Fasting_rs3856797	S12	VGLL4	rs183597049 S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs183980988 S2	NA	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs184233232 S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs184509477 S13	"PCDHGB4,PI	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs185069296 S15	"LOC1005056	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs185502834 S8	DIAPH1	9.74E-09	0.397611	9.11E-06	3.00E-06	1	2.92E-03
phe.Fasting_rs3856797	S12	VGLL4	rs185759881 S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs186288044 S21	"PCDHGB4,PI	2.49E-09	0.10151	2.56E-06	2.57E-09	0.104728	5.53E-06
phe.Fasting_rs3856797	S12	VGLL4	rs187000011 S11	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs188981295 S5	"RPS27AP10,	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs190559574 S7	DIAPH1	9.74E-09	0.397611	9.11E-06	3.00E-06	1	2.92E-03
phe.Fasting_rs3856797	S12	VGLL4	rs191544043 S8	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs191766712 S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs192690040 S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs192765219 S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs192770525 S7	DIAPH1	5.93E-10	0.0242124	6.72E-07	8.45E-10	0.0344097	2.04E-06
phe.Fasting_rs3856797	S12	VGLL4	rs35990401 S7	DIAPH1	1.19E-09	0.0485693	1.29E-06	1.99E-09	0.0810465	4.40E-06
phe.Fasting_rs3856797	S12	VGLL4	rs55900860 S7	DIAPH1	9.74E-09	0.397611	9.11E-06	3.00E-06	1	2.92E-03
phe.Fasting_rs3856797	S12	VGLL4	rs57503635 S3	NA	1.62E-09	0.0660086	1.71E-06	1.51E-08	0.613074	2.67E-05
phe.Fasting_rs3856797	S12	VGLL4	rs60011869 S16	NA	4.55E-06	1	0.00229127	1.05E-07	1	1.47E-04
phe.Fasting_rs3856797	S12	VGLL4	rs7256517 S7	CYTH2	1.10E-07	1	8.33E-05	7.04E-06	1	6.10E-03
phe.Fasting_rs3856797	S12	VGLL4	rs73392640 S8	POLR3B	9.37E-07	1	0.000571965	8.57E-07	1	9.81E-04
phe.Fasting_rs3856797	S12	VGLL4	rs73794928 S13	"PCDHGA9,PI	1.03E-05	1	0.00470297	1.53E-07	1	2.08E-04
phe.Fasting_rs3856797	S12	VGLL4	rs75949566 S5	TMEM64	1.51E-09	0.06186	1.61E-06	1.00E-05	1	8.19E-03
phe.Fasting_rs3856797	S12	VGLL4	rs77798597 S7	KPNA3	1.04E-06	1	0.000627812	6.46E-08	1	9.67E-05
phe.Fasting_rs3856797	S12	VGLL4	rs77845645 S21	NA	3.28E-12	0.00013382	5.97E-09	5.58E-06	1	5.01E-03
phe.Fasting_rs3856797	S12	VGLL4	rs78736524 S5	KPNA3	1.04E-06	1	0.000627812	6.56E-08	1	9.81E-05
phe.Fasting_rs3856797	S12	VGLL4	rs79517926 S15	"DIAPH1,LOC	9.48E-11	0.00387325	1.23E-07	2.54E-10	0.0103297	6.98E-07
phe.Fasting_rs3856797	S12	VGLL4	rs79781495 S8	KPNA3	1.04E-06	1	0.000627812	6.46E-08	1	9.67E-05
phe.Fasting_rs3856797	S12	VGLL4	rs80332465 S5	KPNA3	1.06E-06	1	0.000636918	6.52E-08	1	9.75E-05
phe.Fasting_rs3856797	S12	VGLL4	rs80334773 S5	KPNA3	1.06E-06	1	6.37E-04	6.52E-08	1	9.75E-05
phe.Fasting_rs4732511	S13	POR	rs141926074 S8	ATE1	1.01E-13	4.12E-06	2.29E-10	4.16E-07	1	5.06E-04
phe.Fasting_rs4838224	S14	NA	rs140524622 S7	MRPL10	9.42E-07	1.00E+00	5.74E-04	7.22E-08	1	1.06E-04
phe.Fasting_rs55741453	S8	NEK1	rs112027720 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs112089881 S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	5.67E-09	0.230592	1.11E-05
phe.Fasting_rs55741453	S8	NEK1	rs113219478 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs113357907 S24	ISL1	6.12E-18	2.50E-10	7.50E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs55741453	S8	NEK1	rs115787552 S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	2.81E-04
phe.Fasting_rs55741453	S8	NEK1	rs115888477 S8	NA	2.70E-15	1.10E-07	7.57E-12	1.63E-08	0.66442	2.86E-05

phe.Fasting_rs55741453	S8	NEK1	rs116011837 S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs55741453	S8	NEK1	rs116079984 S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.52E-07	1	3.25E-04
phe.Fasting_rs55741453	S8	NEK1	rs116120727 S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs55741453	S8	NEK1	rs116279995 S20	"PCDHGA4,Pi	2.15E-05	1	0.00887266	2.34E-07	1	3.04E-04
phe.Fasting_rs55741453	S8	NEK1	rs138090701 S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	1.29E-08	0.523399	2.33E-05
phe.Fasting_rs55741453	S8	NEK1	rs138136869 S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55741453	S8	NEK1	rs138457103 S10	DIAPH1	5.43E-12	0.000221795	9.60E-09	2.09E-08	0.850097	3.57E-05
phe.Fasting_rs55741453	S8	NEK1	rs138487229 S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs138738950 S8	"PCDHGB2,Pi	9.17E-12	0.000374383	1.48E-08	2.22E-08	0.904374	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs139297927 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs139337303 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs139403963 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55741453	S8	NEK1	rs139621309 S18	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs139828110 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55741453	S8	NEK1	rs140070363 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs140644750 S13	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs141022544 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs141525984 S5	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs141926074 S8	ATE1	1.33E-06	1	7.83E-04	1.98E-14	8.07E-07	1.59E-10
phe.Fasting_rs55741453	S8	NEK1	rs142480565 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs142718558 S7	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs142789100 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55741453	S8	NEK1	rs142812798 S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55741453	S8	NEK1	rs143377827 S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	2.57E-09	0.104505	5.52E-06
phe.Fasting_rs55741453	S8	NEK1	rs143691978 S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs55741453	S8	NEK1	rs144081334 S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs55741453	S8	NEK1	rs144613910 S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs145027704 S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs55741453	S8	NEK1	rs146220673 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs146622060 S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs55741453	S8	NEK1	rs146815317 S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	2.81E-04
phe.Fasting_rs55741453	S8	NEK1	rs146878162 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs1470889 S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs55741453	S8	NEK1	rs1470890 S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs55741453	S8	NEK1	rs147314451 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs147417996 S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs55741453	S8	NEK1	rs147506725 S21	"PCDHGA1,Pi	2.15E-05	1	0.00887266	2.34E-07	1	3.04E-04
phe.Fasting_rs55741453	S8	NEK1	rs147646948 S7	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs147677041 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55741453	S8	NEK1	rs148116628 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05

phe.Fasting_rs55741453	S8	NEK1	rs148423011	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs149019627	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55741453	S8	NEK1	rs149075406	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs149334783	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs149553852	S21	"PCDHGA10,	2.15E-05	1	0.00887266	2.34E-07	1	3.04E-04
phe.Fasting_rs55741453	S8	NEK1	rs149716949	S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	2.72E-09	0.110842	5.82E-06
phe.Fasting_rs55741453	S8	NEK1	rs149791570	S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55741453	S8	NEK1	rs150117838	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	2.70E-04
phe.Fasting_rs55741453	S8	NEK1	rs150452206	S13	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs150675915	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs150765570	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs150992994	S11	"PCDHGA5,PI	9.47E-12	0.000386737	1.52E-08	2.14E-08	0.869105	3.65E-05
phe.Fasting_rs55741453	S8	NEK1	rs151204700	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs151330468	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs55741453	S8	NEK1	rs16894241	S4	HIST1H2BK	5.24E-08	1	4.28E-05	5.37E-07	1	6.38E-04
phe.Fasting_rs55741453	S8	NEK1	rs180772028	S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs181224861	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs181247960	S21	"PCDHGA9,PI	2.15E-05	1	0.00887266	2.34E-07	1	3.04E-04
phe.Fasting_rs55741453	S8	NEK1	rs181824655	S21	"PCDHGB6,PI	2.15E-05	1	0.00887266	2.34E-07	1	3.04E-04
phe.Fasting_rs55741453	S8	NEK1	rs182714699	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs182965141	S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	1.71E-09	0.0696833	3.83E-06
phe.Fasting_rs55741453	S8	NEK1	rs183597049	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs183980988	S2	NA	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs184233232	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs184509477	S13	"PCDHGB4,PI	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs185069296	S15	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs185502834	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55741453	S8	NEK1	rs185759881	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs186288044	S21	"PCDHGB4,PI	2.15E-05	1	0.00887266	2.34E-07	1	3.04E-04
phe.Fasting_rs55741453	S8	NEK1	rs187000011	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs188981295	S5	"RPS27AP10,	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs190559574	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55741453	S8	NEK1	rs191544043	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs191766712	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs192690040	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs192765219	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs192770525	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55741453	S8	NEK1	rs2924507	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs55741453	S8	NEK1	rs2924508	S8	ZC3H3	3.60E-08	1	3.04E-05	9.52E-07	1	1.08E-03
phe.Fasting_rs55741453	S8	NEK1	rs2924511	S7	ZC3H3	3.60E-08	1	3.04E-05	5.76E-07	1	6.81E-04

phe.Fasting_rs55741453	S8	NEK1	rs2924512	S7	ZC3H3	4.02E-08	1	3.37E-05	7.17E-07	1	8.34E-04
phe.Fasting_rs55741453	S8	NEK1	rs2956376	S8	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	4.76E-04
phe.Fasting_rs55741453	S8	NEK1	rs2980270	S7	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	4.76E-04
phe.Fasting_rs55741453	S8	NEK1	rs2980272	S7	ZC3H3	4.02E-08	1	3.37E-05	7.52E-07	1	8.70E-04
phe.Fasting_rs55741453	S8	NEK1	rs2980275	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs55741453	S8	NEK1	rs35990401	S7	DIAPH1	8.40E-12	0.000343123	1.39E-08	8.38E-09	0.340996	1.59E-05
phe.Fasting_rs55741453	S8	NEK1	rs366767	S5	ZC3H3	6.34E-08	1	5.08E-05	4.19E-07	1	5.09E-04
phe.Fasting_rs55741453	S8	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55741453	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs55741453	S8	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	1.35E-08	0.549186	2.43E-05
phe.Fasting_rs55741453	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs55741453	S8	NEK1	rs77798597	S7	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	2.70E-04
phe.Fasting_rs55741453	S8	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	2.08E-07	1	2.74E-04
phe.Fasting_rs55741453	S8	NEK1	rs78736524	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	2.81E-04
phe.Fasting_rs55741453	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	2.29E-09	0.0931701	4.98E-06
phe.Fasting_rs55741453	S8	NEK1	rs79781495	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	2.70E-04
phe.Fasting_rs55741453	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs55741453	S8	NEK1	rs80332465	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.14E-07	1	2.81E-04
phe.Fasting_rs55741453	S8	NEK1	rs80334773	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.14E-07	1	2.81E-04
phe.Fasting_rs55765964	S8	NEK1	rs112027720	S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs112089881	S8	ZFAND4	1.88E-18	7.69E-11	3.95E-14	5.67E-09	0.230592	1.11E-05
phe.Fasting_rs55765964	S8	NEK1	rs113219478	S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs113357907	S24	ISL1	6.21E-18	2.54E-10	7.56E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs55765964	S8	NEK1	rs115787552	S5	KPNA3	3.65E-16	1.49E-08	1.19E-12	2.15E-07	1	2.81E-04
phe.Fasting_rs55765964	S8	NEK1	rs115888477	S8	NA	2.82E-15	1.15E-07	7.89E-12	1.63E-08	0.66442	2.86E-05
phe.Fasting_rs55765964	S8	NEK1	rs116011837	S9	BRD2	3.25E-08	1	2.77E-05	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs55765964	S8	NEK1	rs116079984	S8	KPNA3	3.65E-16	1.49E-08	1.19E-12	2.52E-07	1	3.25E-04
phe.Fasting_rs55765964	S8	NEK1	rs116120727	S9	BRD2	3.25E-08	1	2.77E-05	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs55765964	S8	NEK1	rs116279995	S20	"PCDHGA4,PI	2.46E-05	1	0.00997154	2.34E-07	1	3.04E-04
phe.Fasting_rs55765964	S8	NEK1	rs138090701	S5	HDAC3	1.28E-12	5.21E-05	2.52E-09	1.29E-08	0.523399	2.33E-05
phe.Fasting_rs55765964	S8	NEK1	rs138136869	S7	DIAPH1	2.06E-12	8.41E-05	3.89E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55765964	S8	NEK1	rs138457103	S10	DIAPH1	6.92E-12	0.000282767	1.19E-08	2.09E-08	0.850097	3.57E-05
phe.Fasting_rs55765964	S8	NEK1	rs138487229	S11	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs138738950	S8	"PCDHGB2,PI	1.16E-11	0.000473748	1.82E-08	2.22E-08	0.904374	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs139297927	S8	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs139337303	S8	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs139403963	S8	DIAPH1	2.06E-12	8.41E-05	3.89E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55765964	S8	NEK1	rs139621309	S18	"LOC1005050	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs139828110	S8	DIAPH1	2.06E-12	8.41E-05	3.89E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55765964	S8	NEK1	rs140070363	S8	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05

phe.Fasting_rs55765964	S8	NEK1	rs140644750S13	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs141022544S8	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs141525984S5	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs141926074S8	ATE1	1.49E-06	1	0.000866641	1.98E-14	8.07E-07	1.59E-10
phe.Fasting_rs55765964	S8	NEK1	rs142480565S8	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs142718558S7	"DIAPH1,LOC	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs142789100S8	DIAPH1	2.06E-12	8.41E-05	3.89E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55765964	S8	NEK1	rs142812798S7	DIAPH1	2.06E-12	8.41E-05	3.89E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55765964	S8	NEK1	rs143377827S13	"DIAPH1,LOC	1.81E-12	7.40E-05	3.45E-09	2.57E-09	0.104505	5.52E-06
phe.Fasting_rs55765964	S8	NEK1	rs143691978S11	DIAPH1	2.06E-12	8.41E-05	3.89E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs55765964	S8	NEK1	rs144081334S11	DIAPH1	2.06E-12	8.41E-05	3.89E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs55765964	S8	NEK1	rs144613910S8	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs145027704S11	DIAPH1	2.06E-12	8.41E-05	3.89E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs55765964	S8	NEK1	rs146220673S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs146622060S13	DIAPH1	2.06E-12	8.41E-05	3.89E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs55765964	S8	NEK1	rs146815317S5	KPNA3	3.65E-16	1.49E-08	1.19E-12	2.15E-07	1	2.81E-04
phe.Fasting_rs55765964	S8	NEK1	rs146878162S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs1470889 S5	ZC3H3	4.38E-08	1	3.64E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs55765964	S8	NEK1	rs1470890 S5	ZC3H3	4.38E-08	1	3.64E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs55765964	S8	NEK1	rs147314451S8	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs147417996S7	DIAPH1	2.06E-12	8.41E-05	3.89E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs55765964	S8	NEK1	rs147506725S21	"PCDHGA1,Pl	2.46E-05	1	0.00997154	2.34E-07	1	3.04E-04
phe.Fasting_rs55765964	S8	NEK1	rs147646948S7	"LOC1005056	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs147677041S8	DIAPH1	2.06E-12	8.41E-05	3.89E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55765964	S8	NEK1	rs148116628S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs148423011S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs149019627S8	DIAPH1	2.06E-12	8.41E-05	3.89E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55765964	S8	NEK1	rs149075406S8	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs149334783S8	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs149553852S21	"PCDHGA10,l	2.46E-05	1	9.97E-03	2.34E-07	1	3.04E-04
phe.Fasting_rs55765964	S8	NEK1	rs149716949S5	DIAPH1	9.70E-13	3.96E-05	2.00E-09	2.72E-09	0.110842	5.82E-06
phe.Fasting_rs55765964	S8	NEK1	rs149791570S5	DIAPH1	2.06E-12	8.41E-05	3.89E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55765964	S8	NEK1	rs150117838S8	KPNA3	3.65E-16	1.49E-08	1.19E-12	2.05E-07	1	2.70E-04
phe.Fasting_rs55765964	S8	NEK1	rs150452206S13	"DIAPH1,LOC	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs150675915S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs150765570S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs150992994S11	"PCDHGA5,Pl	1.20E-11	0.000489159	1.87E-08	2.14E-08	0.869105	3.65E-05
phe.Fasting_rs55765964	S8	NEK1	rs151204700S8	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs151330468S8	DIAPH1	2.06E-12	8.41E-05	3.89E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs55765964	S8	NEK1	rs16894241 S4	HIST1H2BK	6.81E-08	1	5.42E-05	5.37E-07	1	6.38E-04

phe.Fasting_rs55765964	S8	NEK1	rs180772028	S8	"DIAPH1,LOC	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs181224861	S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs181247960	S21	"PCDHGA9,PI	2.46E-05	1	9.97E-03	2.34E-07	1	3.04E-04
phe.Fasting_rs55765964	S8	NEK1	rs181824655	S21	"PCDHGB6,PI	2.46E-05	1	9.97E-03	2.34E-07	1	3.04E-04
phe.Fasting_rs55765964	S8	NEK1	rs182714699	S8	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs182965141	S8	DIAPH1	2.54E-12	0.00010376	4.71E-09	1.71E-09	0.0696833	3.83E-06
phe.Fasting_rs55765964	S8	NEK1	rs183597049	S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs183980988	S2	NA	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs184233232	S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs184509477	S13	"PCDHGB4,PI	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs185069296	S15	"LOC1005056	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs185502834	S8	DIAPH1	2.06E-12	8.41E-05	3.89E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55765964	S8	NEK1	rs185759881	S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs186288044	S21	"PCDHGB4,PI	2.46E-05	1	9.97E-03	2.34E-07	1	3.04E-04
phe.Fasting_rs55765964	S8	NEK1	rs187000011	S11	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs188981295	S5	"RPS27AP10,	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs190559574	S7	DIAPH1	2.06E-12	8.41E-05	3.89E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55765964	S8	NEK1	rs191544043	S8	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs191766712	S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs192690040	S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs192765219	S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs192770525	S7	DIAPH1	1.16E-11	0.000473748	1.82E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs55765964	S8	NEK1	rs2924507	S5	ZC3H3	4.38E-08	1	3.64E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs55765964	S8	NEK1	rs2924508	S8	ZC3H3	4.38E-08	1	3.64E-05	9.52E-07	1	1.08E-03
phe.Fasting_rs55765964	S8	NEK1	rs2924511	S7	ZC3H3	4.38E-08	1	3.64E-05	5.76E-07	1	6.81E-04
phe.Fasting_rs55765964	S8	NEK1	rs2924512	S7	ZC3H3	4.02E-08	1	3.37E-05	7.17E-07	1	8.34E-04
phe.Fasting_rs55765964	S8	NEK1	rs2956376	S8	ZC3H3	4.38E-08	1	3.64E-05	3.89E-07	1	4.76E-04
phe.Fasting_rs55765964	S8	NEK1	rs2980270	S7	ZC3H3	4.38E-08	1	3.64E-05	3.89E-07	1	4.76E-04
phe.Fasting_rs55765964	S8	NEK1	rs2980272	S7	ZC3H3	4.02E-08	1	3.37E-05	7.52E-07	1	8.70E-04
phe.Fasting_rs55765964	S8	NEK1	rs2980275	S5	ZC3H3	4.38E-08	1	3.64E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs55765964	S8	NEK1	rs35990401	S7	DIAPH1	1.06E-11	0.000433164	1.68E-08	8.38E-09	0.340996	1.59E-05
phe.Fasting_rs55765964	S8	NEK1	rs366767	S5	ZC3H3	7.71E-08	1	6.02E-05	4.19E-07	1	5.09E-04
phe.Fasting_rs55765964	S8	NEK1	rs55900860	S7	DIAPH1	2.06E-12	8.41E-05	3.89E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs55765964	S8	NEK1	rs6881310	S23	ISL1	4.39E-17	1.79E-09	2.29E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs55765964	S8	NEK1	rs73619637	S8	NA	1.10E-16	4.48E-09	4.61E-13	1.35E-08	0.549186	2.43E-05
phe.Fasting_rs55765964	S8	NEK1	rs77444916	S23	LOC642366	1.55E-17	6.32E-10	1.20E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs55765964	S8	NEK1	rs77798597	S7	KPNA3	3.65E-16	1.49E-08	1.19E-12	2.05E-07	1	2.70E-04
phe.Fasting_rs55765964	S8	NEK1	rs78703708	S7	FAF2	9.59E-18	3.92E-10	9.45E-14	2.08E-07	1	2.74E-04
phe.Fasting_rs55765964	S8	NEK1	rs78736524	S5	KPNA3	3.65E-16	1.49E-08	1.19E-12	2.15E-07	1	2.81E-04
phe.Fasting_rs55765964	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	3.35E-12	0.000136844	6.09E-09	2.29E-09	0.0931701	4.98E-06

phe.Fasting_rs55765964	S8	NEK1	rs79781495	S8	KPNA3	3.65E-16	1.49E-08	1.19E-12	2.05E-07	1	2.70E-04
phe.Fasting_rs55765964	S8	NEK1	rs80258830	S24	LOC642366	1.55E-17	6.32E-10	1.20E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs55765964	S8	NEK1	rs80332465	S5	KPNA3	3.93E-16	1.60E-08	1.27E-12	2.14E-07	1	2.81E-04
phe.Fasting_rs55765964	S8	NEK1	rs80334773	S5	KPNA3	3.93E-16	1.60E-08	1.27E-12	2.14E-07	1	2.81E-04
phe.Fasting_rs55827967	S8	COPG2	rs116079984	S8	KPNA3	5.40E-06	1	2.66E-03	9.76E-10	0.0397117	2.32E-06
phe.Fasting_rs55827967	S8	COPG2	rs74627895	S8	TMEM64	1.57E-10	0.00641302	1.97E-07	7.91E-06	1	6.71E-03
phe.Fasting_rs55900860	S7	DIAPH1	rs111576333	S5	TMEM64	5.56E-07	1	3.61E-04	7.80E-15	3.17E-07	6.90E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs112089881	S8	ZFAND4	3.24E-18	1.32E-10	5.45E-14	1.95E-10	0.00795558	5.56E-07
phe.Fasting_rs55900860	S7	DIAPH1	rs112091318	S5	TMEM64	1.64E-07	1	1.18E-04	9.13E-09	0.371559	1.72E-05
phe.Fasting_rs55900860	S7	DIAPH1	rs114334325	S7	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs55900860	S7	DIAPH1	rs114394395	S7	AP3M2	1.33E-15	5.44E-08	3.85E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs55900860	S7	DIAPH1	rs114565620	S8	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	0.335069	1.57E-05
phe.Fasting_rs55900860	S7	DIAPH1	rs115083290	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	0.11274	5.90E-06
phe.Fasting_rs55900860	S7	DIAPH1	rs115752779	S19	NA	8.17E-17	3.34E-09	3.58E-13	2.77E-09	0.11274	5.90E-06
phe.Fasting_rs55900860	S7	DIAPH1	rs115787552	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs115888477	S8	NA	3.68E-15	1.50E-07	9.90E-12	4.11E-15	1.67E-07	3.84E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs116011837	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs116079984	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.56E-14	1.04E-06	1.94E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs116120727	S9	BRD2	9.60E-12	0.000392176	1.53E-08	9.05E-15	3.68E-07	7.90E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs116406581	S2	NA	5.24E-15	2.14E-07	1.36E-11	5.32E-08	1	8.11E-05
phe.Fasting_rs55900860	S7	DIAPH1	rs116548615	S8	TMEM45B	2.95E-17	1.21E-09	1.69E-13	1.76E-12	7.17E-05	7.72E-09
phe.Fasting_rs55900860	S7	DIAPH1	rs116696844	S3	AP3M2	1.90E-15	7.75E-08	5.41E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs55900860	S7	DIAPH1	rs11989304	S4	TMEM64	5.56E-07	1	3.61E-04	1.11E-11	0.000453381	4.10E-08
phe.Fasting_rs55900860	S7	DIAPH1	rs140524622	S7	MRPL10	1.81E-17	7.37E-10	1.32E-13	2.83E-06	1	2.79E-03
phe.Fasting_rs55900860	S7	DIAPH1	rs146815317	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs150117838	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs150916187	S4	HIST1H2BK	4.14E-06	1	2.11E-03	2.61E-15	1.06E-07	2.55E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs16894241	S4	HIST1H2BK	3.73E-12	0.000152384	6.73E-09	6.62E-15	2.69E-07	5.94E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs34801978	S3	HOXB2	2.19E-06	1	1.21E-03	1.65E-09	0.0670533	3.72E-06
phe.Fasting_rs55900860	S7	DIAPH1	rs4732511	S13	POR	9.61E-15	3.93E-07	2.45E-11	2.36E-06	1	2.39E-03
phe.Fasting_rs55900860	S7	DIAPH1	rs57503635	S3	NA	1.28E-16	5.23E-09	5.19E-13	6.61E-15	2.69E-07	5.94E-11
phe.Fasting_rs55900860	S7	DIAPH1	rs60011869	S16	NA	2.13E-06	1	1.18E-03	1.78E-07	1	2.39E-04
phe.Fasting_rs55900860	S7	DIAPH1	rs6964407	S7	POR	3.32E-14	1.36E-06	8.04E-11	2.16E-06	1	2.22E-03
phe.Fasting_rs55900860	S7	DIAPH1	rs7004597	S8	NA	1.25E-15	5.12E-08	3.65E-12	5.12E-08	1	7.84E-05
phe.Fasting_rs55900860	S7	DIAPH1	rs7256517	S7	CYTH2	1.59E-16	6.48E-09	6.03E-13	9.69E-13	3.95E-05	4.59E-09
phe.Fasting_rs55900860	S7	DIAPH1	rs73283603	S7	ZWINT	4.49E-07	1	2.97E-04	4.53E-08	1	7.02E-05
phe.Fasting_rs55900860	S7	DIAPH1	rs73392640	S8	POLR3B	4.58E-11	0.00187102	6.24E-08	6.82E-12	0.000277641	2.62E-08
phe.Fasting_rs55900860	S7	DIAPH1	rs73619637	S8	NA	2.00E-16	8.15E-09	6.95E-13	6.35E-08	1	9.54E-05
phe.Fasting_rs55900860	S7	DIAPH1	rs74627895	S8	TMEM64	1.64E-07	1	1.18E-04	4.42E-09	0.179944	8.98E-06
phe.Fasting_rs55900860	S7	DIAPH1	rs74914207	S24	NA	2.89E-11	0.00117833	4.13E-08	1.56E-11	0.000634366	5.60E-08

phe.Fasting_rs55900860	S7	DIAPH1	rs75350765	S5	RCL1	2.03E-17	8.30E-10	1.43E-13	8.23E-09	0.335069	1.57E-05
phe.Fasting_rs55900860	S7	DIAPH1	rs75374128	S5	CNTLN	5.25E-06	1	2.60E-03	1.83E-08	0.746586	3.18E-05
phe.Fasting_rs55900860	S7	DIAPH1	rs75506779	S5	TMCO3	1.04E-07	1	7.88E-05	2.32E-09	0.0942949	5.04E-06
phe.Fasting_rs55900860	S7	DIAPH1	rs75758702	S24	NA	1.04E-17	4.25E-10	9.89E-14	2.85E-11	0.00115844	9.77E-08
phe.Fasting_rs55900860	S7	DIAPH1	rs75864203	S8	CNTLN	5.25E-06	1	2.60E-03	1.83E-08	0.746586	3.18E-05
phe.Fasting_rs55900860	S7	DIAPH1	rs75949566	S5	TMEM64	6.52E-07	1	4.16E-04	1.49E-11	0.000607747	5.38E-08
phe.Fasting_rs55900860	S7	DIAPH1	rs76844308	S8	CNTLN	2.67E-06	1	1.44E-03	1.80E-08	0.73432	3.14E-05
phe.Fasting_rs55900860	S7	DIAPH1	rs7763107	S8	FARS2	9.44E-17	3.86E-09	4.06E-13	1.60E-12	6.52E-05	7.13E-09
phe.Fasting_rs55900860	S7	DIAPH1	rs77798597	S7	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs77845645	S21	NA	3.35E-07	1	2.29E-04	1.04E-11	0.000424266	3.85E-08
phe.Fasting_rs55900860	S7	DIAPH1	rs78353402	S8	AP3M2	1.25E-15	5.12E-08	3.65E-12	8.81E-08	1	1.26E-04
phe.Fasting_rs55900860	S7	DIAPH1	rs78516788	S8	SLC38A1	1.24E-06	1	7.38E-04	2.76E-09	0.112313	5.89E-06
phe.Fasting_rs55900860	S7	DIAPH1	rs78697063	S5	MSI2	7.77E-20	3.17E-12	2.23E-14	1.45E-10	0.00591847	4.35E-07
phe.Fasting_rs55900860	S7	DIAPH1	rs78703708	S7	FAF2	7.40E-12	0.000302252	1.27E-08	7.08E-06	1	6.12E-03
phe.Fasting_rs55900860	S7	DIAPH1	rs78722272	S5	CNTLN	5.25E-06	1	2.60E-03	1.89E-08	0.767323	3.26E-05
phe.Fasting_rs55900860	S7	DIAPH1	rs78736524	S5	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.34E-14	9.53E-07	1.79E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs78990344	S2	LOC10050631	5.56E-07	1	3.61E-04	1.11E-11	0.000453381	4.10E-08
phe.Fasting_rs55900860	S7	DIAPH1	rs79781495	S8	KPNA3	5.05E-16	2.06E-08	1.59E-12	2.16E-14	8.80E-07	1.71E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs80200953	S8	PPP2R5D	1.41E-17	5.76E-10	1.14E-13	8.37E-10	0.034062	2.03E-06
phe.Fasting_rs55900860	S7	DIAPH1	rs80332465	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs80334773	S5	KPNA3	5.36E-16	2.19E-08	1.67E-12	2.32E-14	9.45E-07	1.79E-10
phe.Fasting_rs55900860	S7	DIAPH1	rs891061	S7	POP4	6.59E-07	1	4.20E-04	1.19E-05	1	9.35E-03
phe.Fasting_rs56043752	S5	LUZP1	rs112348319	S8	SPTLC1	4.72E-06	1	2.37E-03	4.02E-07	1	4.90E-04
phe.Fasting_rs56043752	S5	LUZP1	rs112608164	S8	SPTLC1	4.72E-06	1	2.37E-03	4.02E-07	1	4.90E-04
phe.Fasting_rs56043752	S5	LUZP1	rs113568654	S12	SPTLC1	4.40E-06	1	2.23E-03	3.04E-06	1	2.96E-03
phe.Fasting_rs56043752	S5	LUZP1	rs76542405	S5	SPTLC1	4.72E-06	1	2.37E-03	4.02E-07	1	4.90E-04
phe.Fasting_rs56043752	S5	LUZP1	rs77523818	S7	SPTLC1	4.72E-06	1	2.37E-03	4.02E-07	1	4.90E-04
phe.Fasting_rs56205406	S8	UBE2W	rs139070959	S8	RPN2	1.18E-06	1	7.01E-04	2.36E-07	1	3.06E-04
phe.Fasting_rs56205406	S8	UBE2W	rs145412529	S8	"RBL1,RPS3A	6.02E-07	1	3.88E-04	1.66E-06	1	1.76E-03
phe.Fasting_rs56222534	S24	ALPL	rs73392640	S8	POLR3B	4.22E-06	1	2.15E-03	2.79E-08	1	4.56E-05
phe.Fasting_rs56228645	S8	COPG2	rs116079984	S8	KPNA3	5.27E-06	1	2.61E-03	6.70E-10	0.0272805	1.68E-06
phe.Fasting_rs56228645	S8	COPG2	rs74627895	S8	TMEM64	1.77E-10	0.00722963	2.21E-07	8.70E-06	1	7.28E-03
phe.Fasting_rs56398234	S8	LRCH1	rs139070959	S8	RPN2	1.19E-05	1	5.30E-03	4.54E-07	1	5.47E-04
phe.Fasting_rs56398234	S8	LRCH1	rs145412529	S8	"RBL1,RPS3A	6.77E-06	1	3.26E-03	4.54E-07	1	5.46E-04
phe.Fasting_rs57165556	S8	NEK1	rs112027720	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs112089881	S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	5.67E-09	0.230592	1.11E-05
phe.Fasting_rs57165556	S8	NEK1	rs113219478	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs57165556	S8	NEK1	rs115787552	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	2.81E-04
phe.Fasting_rs57165556	S8	NEK1	rs115888477	S8	NA	2.70E-15	1.10E-07	7.57E-12	1.63E-08	0.66442	2.86E-05



phe.Fasting_rs57165556	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs57165556	S8	NEK1	rs116079984	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.52E-07	1	3.25E-04
phe.Fasting_rs57165556	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs57165556	S8	NEK1	rs116279995	S20	"PCDHGA4,Pi	2.15E-05	1	8.87E-03	2.34E-07	1	3.04E-04
phe.Fasting_rs57165556	S8	NEK1	rs138090701	S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	1.29E-08	0.523399	2.33E-05
phe.Fasting_rs57165556	S8	NEK1	rs138136869	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs57165556	S8	NEK1	rs138457103	S10	DIAPH1	5.43E-12	0.000221795	9.60E-09	2.09E-08	0.850097	3.57E-05
phe.Fasting_rs57165556	S8	NEK1	rs138487229	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs138738950	S8	"PCDHGB2,Pi	9.17E-12	0.000374383	1.48E-08	2.22E-08	0.904374	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs139297927	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs139337303	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs139403963	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs57165556	S8	NEK1	rs139621309	S18	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs139828110	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs57165556	S8	NEK1	rs140070363	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs140644750	S13	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs141022544	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs141525984	S5	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs141926074	S8	ATE1	1.33E-06	1	7.83E-04	1.98E-14	8.07E-07	1.59E-10
phe.Fasting_rs57165556	S8	NEK1	rs142480565	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs142718558	S7	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs142789100	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs57165556	S8	NEK1	rs142812798	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs57165556	S8	NEK1	rs143377827	S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	2.57E-09	0.104505	5.52E-06
phe.Fasting_rs57165556	S8	NEK1	rs143691978	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs57165556	S8	NEK1	rs144081334	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs57165556	S8	NEK1	rs144613910	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs145027704	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs57165556	S8	NEK1	rs146220673	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs146622060	S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs57165556	S8	NEK1	rs146815317	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	2.81E-04
phe.Fasting_rs57165556	S8	NEK1	rs146878162	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs1470889	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs57165556	S8	NEK1	rs1470890	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs57165556	S8	NEK1	rs147314451	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs147417996	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs57165556	S8	NEK1	rs147506725	S21	"PCDHGA1,Pi	2.15E-05	1	8.87E-03	2.34E-07	1	3.04E-04
phe.Fasting_rs57165556	S8	NEK1	rs147646948	S7	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs147677041	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs57165556	S8	NEK1	rs148116628	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05

phe.Fasting_rs57165556	S8	NEK1	rs148423011	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs149019627	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs57165556	S8	NEK1	rs149075406	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs149334783	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs149553852	S21	"PCDHGA10,	2.15E-05	1	8.87E-03	2.34E-07	1	3.04E-04
phe.Fasting_rs57165556	S8	NEK1	rs149716949	S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	2.72E-09	0.110842	5.82E-06
phe.Fasting_rs57165556	S8	NEK1	rs149791570	S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs57165556	S8	NEK1	rs150117838	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	2.70E-04
phe.Fasting_rs57165556	S8	NEK1	rs150452206	S13	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs150675915	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs150765570	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs150992994	S11	"PCDHGA5,PI	9.47E-12	0.000386737	1.52E-08	2.14E-08	0.869105	3.65E-05
phe.Fasting_rs57165556	S8	NEK1	rs151204700	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs151330468	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs57165556	S8	NEK1	rs16894241	S4	HIST1H2BK	5.24E-08	1	4.28E-05	5.37E-07	1	6.38E-04
phe.Fasting_rs57165556	S8	NEK1	rs180772028	S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs181224861	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs181247960	S21	"PCDHGA9,PI	2.15E-05	1	8.87E-03	2.34E-07	1	3.04E-04
phe.Fasting_rs57165556	S8	NEK1	rs181824655	S21	"PCDHGB6,PI	2.15E-05	1	8.87E-03	2.34E-07	1	3.04E-04
phe.Fasting_rs57165556	S8	NEK1	rs182714699	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs182965141	S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	1.71E-09	0.0696833	3.83E-06
phe.Fasting_rs57165556	S8	NEK1	rs183597049	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs183980988	S2	NA	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs184233232	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs184509477	S13	"PCDHGB4,PI	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs185069296	S15	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs185502834	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs57165556	S8	NEK1	rs185759881	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs186288044	S21	"PCDHGB4,PI	2.15E-05	1	8.87E-03	2.34E-07	1	3.04E-04
phe.Fasting_rs57165556	S8	NEK1	rs187000011	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs188981295	S5	"RPS27AP10,	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs190559574	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs57165556	S8	NEK1	rs191544043	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs191766712	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs192690040	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs192765219	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs192770525	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs57165556	S8	NEK1	rs2924507	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs57165556	S8	NEK1	rs2924508	S8	ZC3H3	3.60E-08	1	3.04E-05	9.52E-07	1	1.08E-03
phe.Fasting_rs57165556	S8	NEK1	rs2924511	S7	ZC3H3	3.60E-08	1	3.04E-05	5.76E-07	1	6.81E-04

phe.Fasting_rs57165556	S8	NEK1	rs2924512	S7	ZC3H3	4.02E-08	1	3.37E-05	7.17E-07	1	8.34E-04
phe.Fasting_rs57165556	S8	NEK1	rs2956376	S8	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	4.76E-04
phe.Fasting_rs57165556	S8	NEK1	rs2980270	S7	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	4.76E-04
phe.Fasting_rs57165556	S8	NEK1	rs2980272	S7	ZC3H3	4.02E-08	1	3.37E-05	7.52E-07	1	8.70E-04
phe.Fasting_rs57165556	S8	NEK1	rs2980275	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs57165556	S8	NEK1	rs35990401	S7	DIAPH1	8.40E-12	0.000343123	1.39E-08	8.38E-09	0.340996	1.59E-05
phe.Fasting_rs57165556	S8	NEK1	rs366767	S5	ZC3H3	6.34E-08	1	5.08E-05	4.19E-07	1	5.09E-04
phe.Fasting_rs57165556	S8	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs57165556	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs57165556	S8	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	1.35E-08	0.549186	2.43E-05
phe.Fasting_rs57165556	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs57165556	S8	NEK1	rs77798597	S7	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	2.70E-04
phe.Fasting_rs57165556	S8	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	2.08E-07	1	2.74E-04
phe.Fasting_rs57165556	S8	NEK1	rs78736524	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	2.81E-04
phe.Fasting_rs57165556	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	2.29E-09	0.0931701	4.98E-06
phe.Fasting_rs57165556	S8	NEK1	rs79781495	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	2.70E-04
phe.Fasting_rs57165556	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs57165556	S8	NEK1	rs80332465	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.14E-07	1	2.81E-04
phe.Fasting_rs57165556	S8	NEK1	rs80334773	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.14E-07	1	2.81E-04
phe.Fasting_rs57287019	S5	CLCN3	rs112027720	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs113219478	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs113357907	S24	ISL1	5.36E-17	2.19E-09	2.62E-13	4.72E-13	1.92E-05	2.49E-09
phe.Fasting_rs57287019	S5	CLCN3	rs116011837	S9	BRD2	1.83E-10	0.00745731	2.27E-07	2.88E-07	1	3.65E-04
phe.Fasting_rs57287019	S5	CLCN3	rs116120727	S9	BRD2	1.83E-10	0.00745731	2.27E-07	2.88E-07	1	3.65E-04
phe.Fasting_rs57287019	S5	CLCN3	rs116279995	S20	"PCDHGA4,PI	1.37E-09	0.0559114	1.47E-06	1.61E-06	1	1.71E-03
phe.Fasting_rs57287019	S5	CLCN3	rs138136869	S7	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.13E-08	0.46094	2.07E-05
phe.Fasting_rs57287019	S5	CLCN3	rs138457103	S10	DIAPH1	3.76E-14	1.54E-06	9.07E-11	7.29E-08	1	1.07E-04
phe.Fasting_rs57287019	S5	CLCN3	rs138487229	S11	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs138738950	S8	"PCDHGB2,PI	5.04E-14	2.06E-06	1.18E-10	8.40E-08	1	1.21E-04
phe.Fasting_rs57287019	S5	CLCN3	rs139297927	S8	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs139337303	S8	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs139403963	S8	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.13E-08	0.46094	2.07E-05
phe.Fasting_rs57287019	S5	CLCN3	rs139621309	S18	"LOC1005050	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs139828110	S8	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.13E-08	0.46094	2.07E-05
phe.Fasting_rs57287019	S5	CLCN3	rs140070363	S8	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs140644750	S13	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs141022544	S8	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs141525984	S5	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs141692339	S3	"PCDHGA6,PI	1.30E-09	0.0532825	1.41E-06	2.30E-06	1	2.34E-03
phe.Fasting_rs57287019	S5	CLCN3	rs141926074	S8	ATE1	4.15E-11	0.00169555	5.70E-08	2.68E-10	0.0109291	7.36E-07

phe.Fasting_rs57287019	S5	CLCN3	rs142480565	S8	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs142718558	S7	"DIAPH1,LOC	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs142789100	S8	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.13E-08	0.46094	2.07E-05
phe.Fasting_rs57287019	S5	CLCN3	rs142812798	S7	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.13E-08	0.46094	2.07E-05
phe.Fasting_rs57287019	S5	CLCN3	rs143377827	S13	"DIAPH1,LOC	8.70E-15	3.55E-07	2.23E-11	9.21E-09	0.374703	1.73E-05
phe.Fasting_rs57287019	S5	CLCN3	rs143691978	S11	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.56E-08	0.634455	2.76E-05
phe.Fasting_rs57287019	S5	CLCN3	rs144081334	S11	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.56E-08	0.634455	2.76E-05
phe.Fasting_rs57287019	S5	CLCN3	rs144613910	S8	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs145027704	S11	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.56E-08	0.634455	2.76E-05
phe.Fasting_rs57287019	S5	CLCN3	rs146220673	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs146622060	S13	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.56E-08	0.634455	2.76E-05
phe.Fasting_rs57287019	S5	CLCN3	rs146878162	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs147314451	S8	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs147417996	S7	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.56E-08	0.634455	2.76E-05
phe.Fasting_rs57287019	S5	CLCN3	rs147506725	S21	"PCDHGA1,PI	1.37E-09	0.0559114	"1.47E-06	1.61E-06	1	1.71E-03
phe.Fasting_rs57287019	S5	CLCN3	rs147646948	S7	"LOC1005050	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs147677041	S8	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.13E-08	0.46094	2.07E-05
phe.Fasting_rs57287019	S5	CLCN3	rs148116628	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs148423011	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs149019627	S8	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.13E-08	0.46094	2.07E-05
phe.Fasting_rs57287019	S5	CLCN3	rs149075406	S8	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs149334783	S8	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs149553852	S21	"PCDHGA10,PI	1.37E-09	0.0559114	"1.47E-06	1.61E-06	1	1.71E-03
phe.Fasting_rs57287019	S5	CLCN3	rs149716949	S5	DIAPH1	3.53E-15	1.44E-07	9.50E-12	8.92E-09	0.363251	1.68E-05
phe.Fasting_rs57287019	S5	CLCN3	rs149791570	S5	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.13E-08	0.46094	2.07E-05
phe.Fasting_rs57287019	S5	CLCN3	rs150452206	S13	"DIAPH1,LOC	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs150675915	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs150765570	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs150916187	S4	HIST1H2BK	5.60E-09	0.228828	5.45E-06	8.30E-08	1	1.20E-04
phe.Fasting_rs57287019	S5	CLCN3	rs150992994	S11	"PCDHGA5,PI	5.04E-14	2.06E-06	1.18E-10	7.52E-08	1	1.10E-04
phe.Fasting_rs57287019	S5	CLCN3	rs151204700	S8	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs151330468	S8	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.56E-08	0.634455	2.76E-05
phe.Fasting_rs57287019	S5	CLCN3	rs16894241	S4	HIST1H2BK	2.10E-11	0.000856644	3.10E-08	1.58E-07	1	2.14E-04
phe.Fasting_rs57287019	S5	CLCN3	rs180772028	S8	"DIAPH1,LOC	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs181224861	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs181247960	S21	"PCDHGA9,PI	1.37E-09	0.0559114	"1.47E-06	1.61E-06	1	1.71E-03
phe.Fasting_rs57287019	S5	CLCN3	rs181824655	S21	"PCDHGB6,PI	1.37E-09	0.0559114	"1.47E-06	1.61E-06	1	1.71E-03
phe.Fasting_rs57287019	S5	CLCN3	rs182714699	S8	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs182965141	S8	DIAPH1	1.58E-14	6.47E-07	3.98E-11	4.01E-09	0.16305	8.22E-06
phe.Fasting_rs57287019	S5	CLCN3	rs183597049	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04

phe.Fasting_rs57287019	S5	CLCN3	rs183980988	S2	NA	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs184233232	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs184509477	S13	"PCDHGB4,PI	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs185069296	S15	"LOC100505t	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs185502834	S8	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.13E-08	0.46094	2.07E-05
phe.Fasting_rs57287019	S5	CLCN3	rs185759881	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs186288044	S21	"PCDHGB4,PI	1.37E-09	5.59E-02	1.47E-06	1.61E-06	1	1.71E-03
phe.Fasting_rs57287019	S5	CLCN3	rs187000011	S11	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs188981295	S5	"RPS27AP10,	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs190559574	S7	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.13E-08	0.46094	2.07E-05
phe.Fasting_rs57287019	S5	CLCN3	rs191544043	S8	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs191766712	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs192690040	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs192765219	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs192770525	S7	DIAPH1	5.04E-14	2.06E-06	1.18E-10	7.69E-08	1	1.12E-04
phe.Fasting_rs57287019	S5	CLCN3	rs35990401	S7	DIAPH1	7.02E-14	2.87E-06	1.63E-10	2.70E-08	1	4.42E-05
phe.Fasting_rs57287019	S5	CLCN3	rs55900860	S7	DIAPH1	1.29E-14	5.25E-07	3.26E-11	1.13E-08	0.46094	2.07E-05
phe.Fasting_rs57287019	S5	CLCN3	rs57503635	S3	NA	5.38E-13	2.20E-05	1.13E-09	4.74E-06	1	4.38E-03
phe.Fasting_rs57287019	S5	CLCN3	rs6881310	S23	ISL1	3.54E-16	1.45E-08	1.16E-12	5.77E-11	0.00234866	1.84E-07
phe.Fasting_rs57287019	S5	CLCN3	rs77444916	S23	LOC642366	1.19E-16	4.86E-09	4.89E-13	4.41E-13	1.80E-05	2.36E-09
phe.Fasting_rs57287019	S5	CLCN3	rs79517926	S15	"DIAPH1,LOC	1.75E-12	7.14E-05	3.34E-09	5.90E-08	1	8.92E-05
phe.Fasting_rs57287019	S5	CLCN3	rs80258830	S24	LOC642366	1.19E-16	4.86E-09	4.89E-13	4.41E-13	1.80E-05	2.36E-09
phe.Fasting_rs57503635	S3	NA	rs139070959	S8	RPN2	5.04E-17	2.06E-09	2.48E-13	1.75E-10	0.00714015	5.04E-07
phe.Fasting_rs57503635	S3	NA	rs145412529	S8	"RBL1,RPS3A	2.98E-17	1.22E-09	1.70E-13	1.96E-10	0.00797955	5.58E-07
phe.Fasting_rs57503635	S3	NA	rs2285645	S7	MTMR3	4.35E-08	1	3.62E-05	1.78E-09	0.0725706	3.98E-06
phe.Fasting_rs57503635	S3	NA	rs73619637	S8	NA	4.00E-07	1	2.69E-04	1.60E-18	6.53E-11	7.51E-13
phe.Fasting_rs57503635	S3	NA	rs9620939	S7	MTMR3	4.81E-08	1	3.95E-05	6.03E-09	0.245416	1.17E-05
phe.Fasting_rs57503635	S3	NA	rs9625903	S7	MTMR3	5.71E-08	1	4.62E-05	2.48E-09	0.100887	5.35E-06
phe.Fasting_rs58286737	S8	NEK1	rs112027720	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs112089881	S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	2.77E-09	0.112698	5.90E-06
phe.Fasting_rs58286737	S8	NEK1	rs113219478	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	4.03E-16	1.64E-08	1.16E-11
phe.Fasting_rs58286737	S8	NEK1	rs115888477	S8	NA	2.70E-15	1.10E-07	7.57E-12	2.67E-06	1	2.64E-03
phe.Fasting_rs58286737	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs58286737	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs58286737	S8	NEK1	rs116279995	S20	"PCDHGA4,PI	2.15E-05	1	8.87E-03	9.47E-08	1	1.35E-04
phe.Fasting_rs58286737	S8	NEK1	rs138090701	S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	4.63E-09	0.188358	9.27E-06
phe.Fasting_rs58286737	S8	NEK1	rs138136869	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs58286737	S8	NEK1	rs138457103	S10	DIAPH1	5.43E-12	0.000221795	9.60E-09	9.11E-09	0.370794	1.72E-05
phe.Fasting_rs58286737	S8	NEK1	rs138487229	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05

phe.Fasting_rs58286737	S8	NEK1	rs138738950	S8	"PCDHGB2,Pi	9.17E-12	0.000374383	1.48E-08	9.66E-09	0.393262	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs139297927	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs139337303	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs139403963	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs58286737	S8	NEK1	rs139621309	S18	"LOC1005056	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs139828110	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs58286737	S8	NEK1	rs140070363	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs140644750	S13	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs141022544	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs141525984	S5	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs141926074	S8	ATE1	1.33E-06	1	7.83E-04	7.93E-15	3.23E-07	7.00E-11
phe.Fasting_rs58286737	S8	NEK1	rs142480565	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs142718558	S7	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs142789100	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs58286737	S8	NEK1	rs142812798	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs58286737	S8	NEK1	rs143377827	S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	1.02E-09	0.0416914	2.43E-06
phe.Fasting_rs58286737	S8	NEK1	rs143691978	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs58286737	S8	NEK1	rs144081334	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs58286737	S8	NEK1	rs144613910	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs145027704	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs58286737	S8	NEK1	rs146220673	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs146622060	S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs58286737	S8	NEK1	rs146878162	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs1470889	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs58286737	S8	NEK1	rs1470890	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs58286737	S8	NEK1	rs147314451	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs147417996	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs58286737	S8	NEK1	rs147506725	S21	"PCDHGA1,Pi	2.15E-05	1	8.87E-03	9.47E-08	1	1.35E-04
phe.Fasting_rs58286737	S8	NEK1	rs147646948	S7	"LOC1005056	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs147677041	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs58286737	S8	NEK1	rs148116628	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs148423011	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs149019627	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs58286737	S8	NEK1	rs149075406	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs149334783	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs149553852	S21	"PCDHGA10,	2.15E-05	1	8.87E-03	9.47E-08	1	1.35E-04
phe.Fasting_rs58286737	S8	NEK1	rs149716949	S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	1.12E-09	0.0455921	2.64E-06
phe.Fasting_rs58286737	S8	NEK1	rs149791570	S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs58286737	S8	NEK1	rs150452206	S13	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs150675915	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05

phe.Fasting_rs58286737	S8	NEK1	rs150765570	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs150992994	S11	"PCDHGA5,PI	9.47E-12	0.000386737	1.52E-08	9.38E-09	0.381964	1.77E-05
phe.Fasting_rs58286737	S8	NEK1	rs151204700	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs151330468	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs58286737	S8	NEK1	rs16894241	S4	HIST1H2BK	5.24E-08	1	4.28E-05	2.86E-07	1	3.63E-04
phe.Fasting_rs58286737	S8	NEK1	rs180772028	S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs181224861	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs181247960	S21	"PCDHGA9,PI	2.15E-05	1	8.87E-03	9.47E-08	1	1.35E-04
phe.Fasting_rs58286737	S8	NEK1	rs181824655	S21	"PCDHGB6,PI	2.15E-05	1	8.87E-03	9.47E-08	1	1.35E-04
phe.Fasting_rs58286737	S8	NEK1	rs182714699	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs182965141	S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	6.50E-10	0.0264673	1.63E-06
phe.Fasting_rs58286737	S8	NEK1	rs183597049	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs183980988	S2	NA	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs184233232	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs184509477	S13	"PCDHGB4,PI	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs185069296	S15	"LOC100505056	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs185502834	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs58286737	S8	NEK1	rs185759881	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs186288044	S21	"PCDHGB4,PI	2.15E-05	1.00E+00	8.87E-03	9.47E-08	1	1.35E-04
phe.Fasting_rs58286737	S8	NEK1	rs187000011	S11	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs188981295	S5	"RPS27AP10,	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs190559574	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs58286737	S8	NEK1	rs191544043	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs191766712	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs192690040	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs192765219	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs192770525	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs58286737	S8	NEK1	rs2924507	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs58286737	S8	NEK1	rs2924508	S8	ZC3H3	3.60E-08	1	3.04E-05	9.52E-07	1	0.00108069
phe.Fasting_rs58286737	S8	NEK1	rs2924511	S7	ZC3H3	3.60E-08	1	3.04E-05	5.76E-07	1	0.000680958
phe.Fasting_rs58286737	S8	NEK1	rs2924512	S7	ZC3H3	4.02E-08	1	3.37E-05	7.17E-07	1	0.00083355
phe.Fasting_rs58286737	S8	NEK1	rs2956376	S8	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs58286737	S8	NEK1	rs2980270	S7	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs58286737	S8	NEK1	rs2980272	S7	ZC3H3	4.02E-08	1	3.37E-05	7.52E-07	1	0.000869902
phe.Fasting_rs58286737	S8	NEK1	rs2980275	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs58286737	S8	NEK1	rs35990401	S7	DIAPH1	8.40E-12	0.000343123	1.39E-08	3.62E-09	0.147164	7.50E-06
phe.Fasting_rs58286737	S8	NEK1	rs366767	S5	ZC3H3	6.34E-08	1	5.08E-05	4.19E-07	1	0.000508745
phe.Fasting_rs58286737	S8	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs58286737	S8	NEK1	rs57503635	S3	NA	7.93E-17	3.24E-09	3.50E-13	1.02E-05	1	0.00831784
phe.Fasting_rs58286737	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	8.72E-13	3.55E-05	4.15E-09

phe.Fasting_rs58286737	S8	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	6.10E-09	0.248478	1.19E-05
phe.Fasting_rs58286737	S8	NEK1	rs73794928	S13	"PCDHGA9,Pi	1.55E-05	1	6.66E-03	1.19E-05	1	0.0093559
phe.Fasting_rs58286737	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_rs58286737	S8	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	7.48E-08	1	0.000109374
phe.Fasting_rs58286737	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	8.36E-10	0.0340091	2.03E-06
phe.Fasting_rs58286737	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_rs58417766	S7	PHC3	rs111576333	S5	TMEM64	2.07E-08	0.844108	1.82E-05	2.31E-10	0.00941342	6.43E-07
phe.Fasting_rs58417766	S7	PHC3	rs112091318	S5	TMEM64	6.28E-09	0.256524	6.07E-06	3.37E-10	0.013698	8.96E-07
phe.Fasting_rs58417766	S7	PHC3	rs112348319	S8	SPTLC1	1.92E-05	1	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs58417766	S7	PHC3	rs112608164	S8	SPTLC1	1.92E-05	1	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs58417766	S7	PHC3	rs113568654	S12	SPTLC1	1.84E-05	1	7.76E-03	1.04E-08	0.421423	1.91E-05
phe.Fasting_rs58417766	S7	PHC3	rs114565620	S8	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	0.000489631
phe.Fasting_rs58417766	S7	PHC3	rs115083290	S19	NA	8.85E-08	1	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_rs58417766	S7	PHC3	rs115752779	S19	NA	8.85E-08	1	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_rs58417766	S7	PHC3	rs115888477	S8	NA	1.34E-06	1	7.91E-04	7.82E-11	0.00318365	2.44E-07
phe.Fasting_rs58417766	S7	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs58417766	S7	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs58417766	S7	PHC3	rs116548615	S8	TMEM45B	5.29E-19	2.16E-11	2.49E-14	7.92E-10	0.0322544	1.95E-06
phe.Fasting_rs58417766	S7	PHC3	rs11989304	S4	TMEM64	2.07E-08	0.844108	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs58417766	S7	PHC3	rs140524622	S7	MRPL10	2.30E-08	0.93902	2.01E-05	2.14E-06	1	0.00219216
phe.Fasting_rs58417766	S7	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs58417766	S7	PHC3	rs73392640	S8	POLR3B	6.58E-08	1	5.26E-05	8.97E-06	1	0.00747055
phe.Fasting_rs58417766	S7	PHC3	rs74627895	S8	TMEM64	6.28E-09	0.256524	6.07E-06	1.27E-06	1	0.00139909
phe.Fasting_rs58417766	S7	PHC3	rs75350765	S5	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	0.000489631
phe.Fasting_rs58417766	S7	PHC3	rs75506779	S5	TMCO3	7.38E-14	3.01E-06	1.70E-10	3.50E-06	1	0.00334821
phe.Fasting_rs58417766	S7	PHC3	rs75949566	S5	TMEM64	2.26E-08	0.923876	1.98E-05	3.24E-10	0.0132	8.70E-07
phe.Fasting_rs58417766	S7	PHC3	rs76542405	S5	SPTLC1	1.92E-05	1	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs58417766	S7	PHC3	rs77523818	S7	SPTLC1	1.92E-05	1	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs58417766	S7	PHC3	rs7763107	S8	FARS2	1.30E-09	0.0532742	1.41E-06	2.87E-06	1	0.00281845
phe.Fasting_rs58417766	S7	PHC3	rs77845645	S21	NA	9.87E-09	0.403004	9.22E-06	9.90E-13	4.03E-05	4.68E-09
phe.Fasting_rs58417766	S7	PHC3	rs78990344	S2	LOC10050631	2.07E-08	0.844108	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs59570696	S5	UBE2W	rs139070959	S8	RPN2	1.22E-06	1	7.25E-04	2.19E-07	1	0.000286927
phe.Fasting_rs59570696	S5	UBE2W	rs145412529	S8	"RBL1,RPS3A	6.24E-07	1	4.00E-04	1.56E-06	1	0.00166337
phe.Fasting_rs60011869	S16	NA	rs115083290	S19	NA	6.97E-07	1	4.41E-04	4.96E-08	1	7.63E-05
phe.Fasting_rs60011869	S16	NA	rs115752779	S19	NA	6.97E-07	1	4.41E-04	4.96E-08	1	7.63E-05
phe.Fasting_rs60011869	S16	NA	rs139070959	S8	RPN2	6.07E-18	2.48E-10	7.49E-14	5.74E-11	0.00233779	1.84E-07
phe.Fasting_rs60011869	S16	NA	rs141926074	S8	ATE1	3.63E-18	1.48E-10	5.68E-14	1.59E-08	0.648152	2.80E-05
phe.Fasting_rs60011869	S16	NA	rs145412529	S8	"RBL1,RPS3A	3.45E-18	1.41E-10	5.60E-14	6.57E-11	0.00267324	2.08E-07
phe.Fasting_rs60011869	S16	NA	rs57503635	S3	NA	7.45E-17	3.04E-09	3.33E-13	5.95E-13	2.42E-05	2.94E-09
phe.Fasting_rs61267727	S8	NEK1	rs112027720	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05



phe.Fasting_rs61267727	S8	NEK1	rs112089881	S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	2.77E-09	0.112698	5.90E-06
phe.Fasting_rs61267727	S8	NEK1	rs113219478	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	4.03E-16	1.64E-08	1.16E-11
phe.Fasting_rs61267727	S8	NEK1	rs115888477	S8	NA	2.70E-15	1.10E-07	7.57E-12	2.67E-06	1	0.00264447
phe.Fasting_rs61267727	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs61267727	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs61267727	S8	NEK1	rs116279995	S20	"PCDHGA4,Pi	2.15E-05	1	8.87E-03	9.47E-08	1	0.000134747
phe.Fasting_rs61267727	S8	NEK1	rs138090701	S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	4.63E-09	0.188358	9.27E-06
phe.Fasting_rs61267727	S8	NEK1	rs138136869	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs61267727	S8	NEK1	rs138457103	S10	DIAPH1	5.43E-12	0.000221795	9.60E-09	9.11E-09	0.370794	1.72E-05
phe.Fasting_rs61267727	S8	NEK1	rs138487229	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs138738950	S8	"PCDHGB2,Pi	9.17E-12	0.000374383	1.48E-08	9.66E-09	0.393262	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs139297927	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs139337303	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs139403963	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs61267727	S8	NEK1	rs139621309	S18	"LOC100505056	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs139828110	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs61267727	S8	NEK1	rs140070363	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs140644750	S13	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs141022544	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs141525984	S5	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs141926074	S8	ATE1	1.33E-06	1	7.83E-04	7.93E-15	3.23E-07	7.00E-11
phe.Fasting_rs61267727	S8	NEK1	rs142480565	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs142718558	S7	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs142789100	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs61267727	S8	NEK1	rs142812798	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs61267727	S8	NEK1	rs143377827	S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	1.02E-09	0.0416914	2.43E-06
phe.Fasting_rs61267727	S8	NEK1	rs143691978	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs61267727	S8	NEK1	rs144081334	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs61267727	S8	NEK1	rs144613910	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs145027704	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs61267727	S8	NEK1	rs146220673	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs146622060	S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs61267727	S8	NEK1	rs146878162	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs1470889	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs61267727	S8	NEK1	rs1470890	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs61267727	S8	NEK1	rs147314451	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs147417996	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs61267727	S8	NEK1	rs147506725	S21	"PCDHGA1,Pi	2.15E-05	1	8.87E-03	9.47E-08	1	0.000134747
phe.Fasting_rs61267727	S8	NEK1	rs147646948	S7	"LOC100505056	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05

phe.Fasting_rs61267727	S8	NEK1	rs147677041	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs61267727	S8	NEK1	rs148116628	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs148423011	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs149019627	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs61267727	S8	NEK1	rs149075406	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs149334783	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs149553852	S21	"PCDHGA10,	2.15E-05	1	8.87E-03	9.47E-08	1	0.000134747
phe.Fasting_rs61267727	S8	NEK1	rs149716949	S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	1.12E-09	0.0455921	2.64E-06
phe.Fasting_rs61267727	S8	NEK1	rs149791570	S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs61267727	S8	NEK1	rs150452206	S13	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs150675915	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs150765570	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs150992994	S11	"PCDHGA5,Pi	9.47E-12	0.000386737	1.52E-08	9.38E-09	0.381964	1.77E-05
phe.Fasting_rs61267727	S8	NEK1	rs151204700	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs151330468	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs61267727	S8	NEK1	rs16894241	S4	HIST1H2BK	5.24E-08	1	4.28E-05	2.86E-07	1	0.000363243
phe.Fasting_rs61267727	S8	NEK1	rs180772028	S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs181224861	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs181247960	S21	"PCDHGA9,Pi	2.15E-05	1	8.87E-03	9.47E-08	1	0.000134747
phe.Fasting_rs61267727	S8	NEK1	rs181824655	S21	"PCDHGB6,Pi	2.15E-05	1	8.87E-03	9.47E-08	1	0.000134747
phe.Fasting_rs61267727	S8	NEK1	rs182714699	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs182965141	S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	6.50E-10	0.0264673	1.63E-06
phe.Fasting_rs61267727	S8	NEK1	rs183597049	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs183980988	S2	NA	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs184233232	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs184509477	S13	"PCDHGB4,Pi	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs185069296	S15	"LOC1005056	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs185502834	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs61267727	S8	NEK1	rs185759881	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs186288044	S21	"PCDHGB4,Pi	2.15E-05	1	8.87E-03	9.47E-08	1	0.000134747
phe.Fasting_rs61267727	S8	NEK1	rs187000011	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs188981295	S5	"RPS27AP10,	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs190559574	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs61267727	S8	NEK1	rs191544043	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs191766712	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs192690040	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs192765219	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs192770525	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs61267727	S8	NEK1	rs2924507	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs61267727	S8	NEK1	rs2924508	S8	ZC3H3	3.60E-08	1	3.04E-05	9.52E-07	1	0.00108069

phe.Fasting_	rs61267727	S8	NEK1	rs2924511	S7	ZC3H3	3.60E-08	1	3.04E-05	5.76E-07	1	0.000680958
phe.Fasting_	rs61267727	S8	NEK1	rs2924512	S7	ZC3H3	4.02E-08	1	3.37E-05	7.17E-07	1	0.00083355
phe.Fasting_	rs61267727	S8	NEK1	rs2956376	S8	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_	rs61267727	S8	NEK1	rs2980270	S7	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_	rs61267727	S8	NEK1	rs2980272	S7	ZC3H3	4.02E-08	1	3.37E-05	7.52E-07	1	0.000869902
phe.Fasting_	rs61267727	S8	NEK1	rs2980275	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_	rs61267727	S8	NEK1	rs35990401	S7	DIAPH1	8.40E-12	0.000343123	1.39E-08	3.62E-09	0.147164	7.50E-06
phe.Fasting_	rs61267727	S8	NEK1	rs366767	S5	ZC3H3	6.34E-08	1	5.08E-05	4.19E-07	1	0.000508745
phe.Fasting_	rs61267727	S8	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_	rs61267727	S8	NEK1	rs57503635	S3	NA	7.93E-17	3.24E-09	3.50E-13	1.02E-05	1	0.00831784
phe.Fasting_	rs61267727	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	8.72E-13	3.55E-05	4.15E-09
phe.Fasting_	rs61267727	S8	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	6.10E-09	0.248478	1.19E-05
phe.Fasting_	rs61267727	S8	NEK1	rs73794928	S13	"PCDHGA9,Pi	1.55E-05	1	6.66E-03	1.19E-05	1	0.0093559
phe.Fasting_	rs61267727	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_	rs61267727	S8	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	7.48E-08	1	0.000109374
phe.Fasting_	rs61267727	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	8.36E-10	0.0340091	2.03E-06
phe.Fasting_	rs61267727	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_	rs61411401	S8	COPG2	rs116079984	S8	KPNA3	5.27E-06	1	2.61E-03	6.70E-10	0.0272805	1.68E-06
phe.Fasting_	rs61411401	S8	COPG2	rs74627895	S8	TMEM64	1.77E-10	0.00722963	2.21E-07	8.70E-06	1	0.00728165
phe.Fasting_	rs61613048	S8	MYO1B	rs112027720	S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs113219478	S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs113357907	S24	ISL1	1.17E-16	4.79E-09	4.85E-13	9.36E-15	3.81E-07	8.15E-11
phe.Fasting_	rs61613048	S8	MYO1B	rs114565620	S8	RCL1	1.24E-16	5.06E-09	5.04E-13	7.57E-06	1	0.0064679
phe.Fasting_	rs61613048	S8	MYO1B	rs115787552	S5	KPNA3	4.21E-15	1.72E-07	1.11E-11	3.17E-06	1	0.0030676
phe.Fasting_	rs61613048	S8	MYO1B	rs115888477	S8	NA	2.75E-14	1.12E-06	6.69E-11	7.64E-07	1	0.000882713
phe.Fasting_	rs61613048	S8	MYO1B	rs116011837	S9	BRD2	5.55E-11	0.0022652	7.47E-08	3.51E-09	0.14269	7.30E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs116079984	S8	KPNA3	4.21E-15	1.72E-07	1.11E-11	3.98E-06	1	0.00375092
phe.Fasting_	rs61613048	S8	MYO1B	rs116120727	S9	BRD2	5.55E-11	0.0022652	7.47E-08	3.51E-09	0.14269	7.30E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs116279995	S20	"PCDHGA4,Pi	8.36E-08	1	6.50E-05	6.34E-12	0.000258233	2.45E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs12488988	S6	PHC3	9.58E-07	1	5.83E-04	2.09E-09	0.0849616	4.60E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs12492606	S8	PHC3	9.58E-07	1	5.83E-04	2.04E-09	0.0831784	4.50E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs13400525	S8	MFF	1.94E-15	7.94E-08	5.54E-12	1.22E-10	0.00498048	3.70E-07
phe.Fasting_	rs61613048	S8	MYO1B	rs138090701	S5	HDAC3	7.15E-08	1	5.64E-05	1.41E-11	0.000574561	5.10E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs138136869	S7	DIAPH1	1.22E-07	1	9.14E-05	3.42E-12	0.000139092	1.44E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs138457103	S10	DIAPH1	2.50E-07	1	1.75E-04	1.44E-11	0.000585076	5.19E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs138487229	S11	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs138738950	S8	"PCDHGB2,Pi	3.58E-07	1	2.44E-04	1.36E-11	0.000551621	4.92E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs139297927	S8	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs139337303	S8	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs139403963	S8	DIAPH1	1.22E-07	1	9.14E-05	3.42E-12	0.000139092	1.44E-08

phe.Fasting_	rs61613048	S8	MYO1B	rs139621309S18	"LOC1005056	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs139828110S8	DIAPH1	1.22E-07	1	9.14E-05	3.42E-12	0.000139092	1.44E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs140070363S8	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs140524622S7	MRPL10	1.66E-16	6.79E-09	6.03E-13	2.28E-08	0.929199	3.82E-05
phe.Fasting_	rs61613048	S8	MYO1B	rs140644750S13	DIAPH1	3.58E-07	1	0.000243963	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs141022544S8	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs141525984S5	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs141692339S3	"PCDHGA6,Pi	9.52E-08	1	7.30E-05	9.11E-12	0.000371009	3.41E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs141926074S8	ATE1	1.72E-17	7.03E-10	1.28E-13	8.15E-12	0.000331646	3.07E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs142480565S8	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs142718558S7	"DIAPH1,LOC	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs142789100S8	DIAPH1	1.22E-07	1	9.14E-05	3.42E-12	0.000139092	1.44E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs142812798S7	DIAPH1	1.22E-07	1	9.14E-05	3.42E-12	0.000139092	1.44E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs143377827S13	"DIAPH1,LOC	1.05E-07	1	7.94E-05	2.57E-12	0.00010455	1.10E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs143691978S11	DIAPH1	1.22E-07	1	9.14E-05	3.64E-12	0.000148156	1.52E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs144081334S11	DIAPH1	1.22E-07	1	9.14E-05	3.64E-12	0.000148156	1.52E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs144613910S8	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs145027704S11	DIAPH1	1.22E-07	1	9.14E-05	3.64E-12	0.000148156	1.52E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs146220673S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs146622060S13	DIAPH1	1.22E-07	1	9.14E-05	3.64E-12	0.000148156	1.52E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs146815317S5	KPNA3	4.21E-15	1.72E-07	1.11E-11	3.17E-06	1	0.0030676
phe.Fasting_	rs61613048	S8	MYO1B	rs146878162S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs147314451S8	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs147417996S7	DIAPH1	1.22E-07	1	9.14E-05	3.64E-12	0.000148156	1.52E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs147506725S21	"PCDHGA1,Pi	8.36E-08	1	6.50E-05	6.34E-12	0.000258233	2.45E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs147646948S7	"LOC1005056	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs147677041S8	DIAPH1	1.22E-07	1	9.14E-05	3.42E-12	0.000139092	1.44E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs148116628S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs148423011S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs149019627S8	DIAPH1	1.22E-07	1	9.14E-05	3.42E-12	0.000139092	1.44E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs149075406S8	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs149334783S8	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs149553852S21	"PCDHGA10,	8.36E-08	1	6.50E-05	6.34E-12	0.000258233	2.45E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs149716949S5	DIAPH1	5.26E-08	1	4.28E-05	1.35E-12	5.50E-05	6.11E-09
phe.Fasting_	rs61613048	S8	MYO1B	rs149791570S5	DIAPH1	1.22E-07	1	9.14E-05	3.42E-12	0.000139092	1.44E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs150117838S8	KPNA3	4.21E-15	1.72E-07	1.11E-11	3.16E-06	1	0.00306287
phe.Fasting_	rs61613048	S8	MYO1B	rs150452206S13	"DIAPH1,LOC	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs150675915S7	DIAPH1	3.58E-07	1	0.000243963	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs150765570S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs150992994S11	"PCDHGA5,Pi	3.74E-07	1	2.54E-04	1.29E-11	0.00052564	4.72E-08

phe.Fasting_	rs61613048	S8	MYO1B	rs151204700	S8	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs151330468	S8	DIAPH1	1.22E-07	1	9.14E-05	3.64E-12	0.000148156	1.52E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs16854875	S2	NA	7.58E-07	1	4.74E-04	6.43E-07	1	0.000754821
phe.Fasting_	rs61613048	S8	MYO1B	rs17236830	S6	PHC3	1.57E-06	1	9.09E-04	2.59E-09	0.105377	5.56E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs180772028	S8	"DIAPH1,LOC	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs181224861	S7	DIAPH1	3.58E-07	1	0.000243963	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs181247960	S21	"PCDHGA9,PI	8.36E-08	1	6.50E-05	6.34E-12	0.000258233	2.45E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs181824655	S21	"PCDHGB6,PI	8.36E-08	1	6.50E-05	6.34E-12	0.000258233	2.45E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs182714699	S8	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs182958142	S8	DIAPH1	5.79E-07	1	3.75E-04	1.39E-12	5.67E-05	6.29E-09
phe.Fasting_	rs61613048	S8	MYO1B	rs182965141	S8	DIAPH1	1.33E-07	1	9.84E-05	1.01E-09	0.0412817	2.41E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs183597049	S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs183980988	S2	NA	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs184233232	S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs184509477	S13	"PCDHGB4,PI	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs185069296	S15	"LOC1005056	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs185502834	S8	DIAPH1	1.22E-07	1	9.14E-05	3.42E-12	0.000139092	1.44E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs185759881	S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs186288044	S21	"PCDHGB4,PI	8.36E-08	1	6.50E-05	6.34E-12	0.000258233	2.45E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs187000011	S11	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs188981295	S5	"RP527AP10,	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs190559574	S7	DIAPH1	1.22E-07	1	9.14E-05	3.42E-12	0.000139092	1.44E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs191544043	S8	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs191766712	S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs192690040	S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs192765219	S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs192770525	S7	DIAPH1	3.58E-07	1	2.44E-04	1.35E-11	0.000550149	4.91E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs2241292	S8	GPR160	9.83E-07	1	0.000596834	3.14E-09	0.12767	6.60E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs35990401	S7	DIAPH1	3.86E-07	1	0.000261363	4.56E-12	0.000185691	1.82E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs3772186	S6	PHC3	9.58E-07	1	0.000583256	2.04E-09	0.0831784	4.50E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs55900860	S7	DIAPH1	1.22E-07	1	9.14E-05	3.42E-12	0.000139092	1.44E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs57287019	S5	CLCN3	7.47E-13	3.05E-05	1.55E-09	9.83E-06	1	0.00803313
phe.Fasting_	rs61613048	S8	MYO1B	rs57503635	S3	NA	1.02E-15	4.17E-08	3.03E-12	1.67E-06	1	0.00176352
phe.Fasting_	rs61613048	S8	MYO1B	rs58417766	S7	PHC3	9.58E-07	1	5.83E-04	2.04E-09	0.0831784	4.50E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs6763396	S5	PHC3	1.01E-06	1	0.000609926	2.10E-09	0.0852872	4.61E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs6781454	S8	PHC3	9.76E-07	1	0.000593612	2.08E-09	0.0846771	4.58E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs6786022	S8	PHC3	1.51E-06	1	0.000877462	2.52E-09	0.102397	5.42E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs6808506	S7	PHC3	9.58E-07	1	0.000583256	2.04E-09	0.0831784	4.50E-06
phe.Fasting_	rs61613048	S8	MYO1B	rs6881310	S23	ISL1	7.38E-16	3.01E-08	2.25E-12	3.70E-12	0.000150673	1.54E-08
phe.Fasting_	rs61613048	S8	MYO1B	rs7256517	S7	CYTH2	2.20E-05	1	9.06E-03	2.79E-06	1	0.00274875

phe.Fasting_rs61613048	S8	MYO1B	rs73619637	S8	NA	1.26E-15	5.15E-08	3.67E-12	1.42E-15	5.78E-08	1.60E-11
phe.Fasting_rs61613048	S8	MYO1B	rs73879173	S8	PHC3	9.58E-07	1	5.83E-04	2.04E-09	0.0831784	4.50E-06
phe.Fasting_rs61613048	S8	MYO1B	rs73879178	S10	PHC3	1.51E-06	1	0.000877462	2.52E-09	0.102397	5.42E-06
phe.Fasting_rs61613048	S8	MYO1B	rs73879182	S6	PHC3	9.58E-07	1	0.000583256	2.04E-09	0.0831784	4.50E-06
phe.Fasting_rs61613048	S8	MYO1B	rs75350765	S5	RCL1	1.24E-16	5.06E-09	5.04E-13	7.57E-06	1	0.0064679
phe.Fasting_rs61613048	S8	MYO1B	rs75506779	S5	TMCO3	3.76E-11	0.00153489	5.21E-08	1.21E-05	1	0.00951745
phe.Fasting_rs61613048	S8	MYO1B	rs75758702	S24	NA	1.04E-16	4.26E-09	4.42E-13	7.87E-12	0.000320329	2.98E-08
phe.Fasting_rs61613048	S8	MYO1B	rs76146702	S5	PHC3	1.02E-06	1	0.000619275	1.13E-09	0.0461028	2.66E-06
phe.Fasting_rs61613048	S8	MYO1B	rs7615039	S8	PHC3	8.72E-07	1	0.000535522	3.11E-09	0.12663	6.59E-06
phe.Fasting_rs61613048	S8	MYO1B	rs7638400	S7	PHC3	9.58E-07	1	0.000583256	2.04E-09	0.0831784	4.50E-06
phe.Fasting_rs61613048	S8	MYO1B	rs76737663	S1	LOC654841	2.11E-15	8.60E-08	5.97E-12	1.34E-09	0.054704	3.08E-06
phe.Fasting_rs61613048	S8	MYO1B	rs77444916	S23	LOC642366	2.55E-16	1.04E-08	8.62E-13	8.90E-15	3.62E-07	7.81E-11
phe.Fasting_rs61613048	S8	MYO1B	rs77798597	S7	KPNA3	4.21E-15	1.72E-07	1.11E-11	3.16E-06	1	0.00306287
phe.Fasting_rs61613048	S8	MYO1B	rs78516788	S8	SLC38A1	7.65E-06	1	3.62E-03	1.09E-15	4.44E-08	1.25E-11
phe.Fasting_rs61613048	S8	MYO1B	rs78736524	S5	KPNA3	4.21E-15	1.72E-07	1.11E-11	3.17E-06	1	0.0030676
phe.Fasting_rs61613048	S8	MYO1B	rs79389383	S8	PHC3	9.76E-07	1	0.000593612	2.08E-09	0.0846771	4.58E-06
phe.Fasting_rs61613048	S8	MYO1B	rs79517926	S15	"DIAPH1,LOC	1.65E-07	1	1.19E-04	1.56E-12	6.36E-05	6.98E-09
phe.Fasting_rs61613048	S8	MYO1B	rs79518241	S6	PHC3	9.58E-07	1	0.000583256	2.04E-09	0.0831784	4.50E-06
phe.Fasting_rs61613048	S8	MYO1B	rs79781495	S8	KPNA3	4.21E-15	1.72E-07	1.11E-11	3.16E-06	1	0.00306287
phe.Fasting_rs61613048	S8	MYO1B	rs80258830	S24	LOC642366	2.55E-16	1.04E-08	8.62E-13	8.90E-15	3.62E-07	7.81E-11
phe.Fasting_rs61613048	S8	MYO1B	rs80332465	S5	KPNA3	4.43E-15	1.81E-07	1.17E-11	3.28E-06	1	0.00316472
phe.Fasting_rs61613048	S8	MYO1B	rs80334773	S5	KPNA3	4.43E-15	1.81E-07	1.17E-11	3.28E-06	1	0.00316472
phe.Fasting_rs61782922	S7	UBE4B	rs112348319	S8	SPTLC1	3.17E-06	1	0.00165984	1.11E-06	1	0.00124302
phe.Fasting_rs61782922	S7	UBE4B	rs112608164	S8	SPTLC1	3.17E-06	1	0.00165984	1.11E-06	1	0.00124302
phe.Fasting_rs61782922	S7	UBE4B	rs113568654	S12	SPTLC1	3.72E-06	1	1.92E-03	1.06E-05	1	0.00856035
phe.Fasting_rs61782922	S7	UBE4B	rs138090701	S5	HDAC3	1.34E-05	1	0.00589544	1.43E-06	1	0.00155197
phe.Fasting_rs61782922	S7	UBE4B	rs138136869	S7	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782922	S7	UBE4B	rs139403963	S8	DIAPH1	1.84E-05	1	7.76E-03	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782922	S7	UBE4B	rs139828110	S8	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782922	S7	UBE4B	rs140524622	S7	MRPL10	1.26E-09	0.0513677	1.36E-06	2.58E-06	1	0.00256627
phe.Fasting_rs61782922	S7	UBE4B	rs142789100	S8	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782922	S7	UBE4B	rs142812798	S7	DIAPH1	1.84E-05	1	7.76E-03	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782922	S7	UBE4B	rs143377827	S13	"DIAPH1,LOC	1.89E-05	1	7.94E-03	5.55E-10	0.0225938	1.43E-06
phe.Fasting_rs61782922	S7	UBE4B	rs143691978	S11	DIAPH1	1.84E-05	1	0.0077584	1.18E-09	0.0481149	2.77E-06
phe.Fasting_rs61782922	S7	UBE4B	rs144081334	S11	DIAPH1	1.84E-05	1	0.0077584	1.18E-09	0.0481149	2.77E-06
phe.Fasting_rs61782922	S7	UBE4B	rs145027704	S11	DIAPH1	1.84E-05	1	0.0077584	1.18E-09	0.0481149	2.77E-06
phe.Fasting_rs61782922	S7	UBE4B	rs146622060	S13	DIAPH1	1.84E-05	1	0.0077584	1.18E-09	0.0481149	2.77E-06
phe.Fasting_rs61782922	S7	UBE4B	rs147417996	S7	DIAPH1	1.84E-05	1	0.0077584	1.18E-09	0.0481149	2.77E-06
phe.Fasting_rs61782922	S7	UBE4B	rs147677041	S8	DIAPH1	1.84E-05	1	7.76E-03	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782922	S7	UBE4B	rs149019627	S8	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06

phe.Fasting_rs61782922	S7	UBE4B	rs149716949	S5	DIAPH1	1.07E-05	1	0.00486013	1.18E-06	1	0.00130848
phe.Fasting_rs61782922	S7	UBE4B	rs149791570	S5	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782922	S7	UBE4B	rs151330468	S8	DIAPH1	1.84E-05	1	0.0077584	1.18E-09	0.0481149	2.77E-06
phe.Fasting_rs61782922	S7	UBE4B	rs182965141	S8	DIAPH1	1.94E-05	1	0.00813416	2.41E-08	0.979184	3.98E-05
phe.Fasting_rs61782922	S7	UBE4B	rs185502834	S8	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782922	S7	UBE4B	rs190559574	S7	DIAPH1	1.84E-05	1	7.76E-03	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782922	S7	UBE4B	rs55900860	S7	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782922	S7	UBE4B	rs6881310	S23	ISL1	3.36E-07	1	0.000230266	1.04E-05	1	0.00847197
phe.Fasting_rs61782922	S7	UBE4B	rs76542405	S5	SPTLC1	3.17E-06	1	0.00165984	1.11E-06	1	0.00124302
phe.Fasting_rs61782922	S7	UBE4B	rs77444916	S23	LOC642366	5.33E-07	1	0.000347945	4.83E-12	0.000196478	1.91E-08
phe.Fasting_rs61782922	S7	UBE4B	rs77523818	S7	SPTLC1	3.17E-06	1	0.00165984	1.11E-06	1	0.00124302
phe.Fasting_rs61782922	S7	UBE4B	rs77845645	S21	NA	6.21E-07	1	3.98E-04	7.52E-09	0.306187	1.44E-05
phe.Fasting_rs61782922	S7	UBE4B	rs80258830	S24	LOC642366	5.33E-07	1	0.000347945	4.83E-12	0.000196478	1.91E-08
phe.Fasting_rs61782923	S7	UBE4B	rs112348319	S8	SPTLC1	3.17E-06	1	0.00165984	1.11E-06	1	0.00124302
phe.Fasting_rs61782923	S7	UBE4B	rs112608164	S8	SPTLC1	3.17E-06	1	0.00165984	1.11E-06	1	0.00124302
phe.Fasting_rs61782923	S7	UBE4B	rs113568654	S12	SPTLC1	3.72E-06	1	0.00191746	1.06E-05	1	0.00856035
phe.Fasting_rs61782923	S7	UBE4B	rs138090701	S5	HDAC3	1.34E-05	1	5.90E-03	1.43E-06	1	0.00155197
phe.Fasting_rs61782923	S7	UBE4B	rs138136869	S7	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782923	S7	UBE4B	rs139403963	S8	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782923	S7	UBE4B	rs139828110	S8	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782923	S7	UBE4B	rs140524622	S7	MRPL10	1.26E-09	0.0513677	1.36E-06	2.58E-06	1	0.00256627
phe.Fasting_rs61782923	S7	UBE4B	rs142789100	S8	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782923	S7	UBE4B	rs142812798	S7	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782923	S7	UBE4B	rs143377827	S13	"DIAPH1,LOC	1.89E-05	1	0.0079447	5.55E-10	0.0225938	1.43E-06
phe.Fasting_rs61782923	S7	UBE4B	rs143691978	S11	DIAPH1	1.84E-05	1	7.76E-03	1.18E-09	0.0481149	2.77E-06
phe.Fasting_rs61782923	S7	UBE4B	rs144081334	S11	DIAPH1	1.84E-05	1	7.76E-03	1.18E-09	0.0481149	2.77E-06
phe.Fasting_rs61782923	S7	UBE4B	rs145027704	S11	DIAPH1	1.84E-05	1	0.0077584	1.18E-09	0.0481149	2.77E-06
phe.Fasting_rs61782923	S7	UBE4B	rs146622060	S13	DIAPH1	1.84E-05	1	0.0077584	1.18E-09	0.0481149	2.77E-06
phe.Fasting_rs61782923	S7	UBE4B	rs147417996	S7	DIAPH1	1.84E-05	1	0.0077584	1.18E-09	0.0481149	2.77E-06
phe.Fasting_rs61782923	S7	UBE4B	rs147677041	S8	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782923	S7	UBE4B	rs149019627	S8	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782923	S7	UBE4B	rs149716949	S5	DIAPH1	1.07E-05	1	0.00486013	1.18E-06	1	0.00130848
phe.Fasting_rs61782923	S7	UBE4B	rs149791570	S5	DIAPH1	1.84E-05	1	0.0077584	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782923	S7	UBE4B	rs151330468	S8	DIAPH1	1.84E-05	1	7.76E-03	1.18E-09	0.0481149	2.77E-06
phe.Fasting_rs61782923	S7	UBE4B	rs182965141	S8	DIAPH1	1.94E-05	1	8.13E-03	2.41E-08	0.979184	3.98E-05
phe.Fasting_rs61782923	S7	UBE4B	rs185502834	S8	DIAPH1	1.84E-05	1	7.76E-03	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782923	S7	UBE4B	rs190559574	S7	DIAPH1	1.84E-05	1	7.76E-03	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782923	S7	UBE4B	rs55900860	S7	DIAPH1	1.84E-05	1.00E+00	7.76E-03	7.49E-10	0.0304703	1.85E-06
phe.Fasting_rs61782923	S7	UBE4B	rs6881310	S23	ISL1	3.36E-07	1	2.30E-04	1.04E-05	1	0.00847197
phe.Fasting_rs61782923	S7	UBE4B	rs76542405	S5	SPTLC1	3.17E-06	1	0.00165984	1.11E-06	1	0.00124302

phe.Fasting_rs61782923	S7	UBE4B	rs77444916	S23	LOC642366	5.33E-07	1	3.48E-04	4.83E-12	0.000196478	1.91E-08
phe.Fasting_rs61782923	S7	UBE4B	rs77523818	S7	SPTLC1	3.17E-06	1	0.00165984	1.11E-06	1	0.00124302
phe.Fasting_rs61782923	S7	UBE4B	rs77845645	S21	NA	6.21E-07	1	0.000397881	7.52E-09	0.306187	1.44E-05
phe.Fasting_rs61782923	S7	UBE4B	rs80258830	S24	LOC642366	5.33E-07	1.00E+00	3.48E-04	4.83E-12	0.000196478	1.91E-08
phe.Fasting_rs61782925	S8	UBE4B	rs112348319	S8	SPTLC1	5.20E-06	1	2.58E-03	9.42E-07	1	0.00106969
phe.Fasting_rs61782925	S8	UBE4B	rs112608164	S8	SPTLC1	5.20E-06	1	0.002579	9.42E-07	1	0.00106969
phe.Fasting_rs61782925	S8	UBE4B	rs113568654	S12	SPTLC1	5.96E-06	1	0.0029059	9.02E-06	1	0.00749955
phe.Fasting_rs61782925	S8	UBE4B	rs138090701	S5	HDAC3	1.92E-05	1	0.00804507	1.13E-06	1	0.0012632
phe.Fasting_rs61782925	S8	UBE4B	rs140524622	S7	MRPL10	1.55E-09	0.0634081	1.65E-06	2.09E-06	1	0.00214646
phe.Fasting_rs61782925	S8	UBE4B	rs149716949	S5	DIAPH1	1.56E-05	1	0.00671284	9.26E-07	1	1.05E-03
phe.Fasting_rs61782925	S8	UBE4B	rs6881310	S23	ISL1	4.50E-07	1.00E+00	2.98E-04	9.06E-06	1	0.00753337
phe.Fasting_rs61782925	S8	UBE4B	rs76542405	S5	SPTLC1	5.20E-06	1.00E+00	2.58E-03	9.42E-07	1	0.00106969
phe.Fasting_rs61782925	S8	UBE4B	rs77444916	S23	LOC642366	6.09E-07	1.00E+00	3.91E-04	4.35E-12	0.000176871	1.74E-08
phe.Fasting_rs61782925	S8	UBE4B	rs77523818	S7	SPTLC1	5.20E-06	1	0.002579	9.42E-07	1	0.00106969
phe.Fasting_rs61782925	S8	UBE4B	rs77845645	S21	NA	9.77E-07	1.00E+00	5.94E-04	6.14E-09	0.249782	1.19E-05
phe.Fasting_rs61782925	S8	UBE4B	rs80258830	S24	LOC642366	6.09E-07	1.00E+00	3.91E-04	4.35E-12	0.000176871	1.74E-08
phe.Fasting_rs61782936	S8	UBE4B	rs112348319	S8	SPTLC1	5.51E-06	1.00E+00	2.71E-03	7.50E-07	1	0.00086844
phe.Fasting_rs61782936	S8	UBE4B	rs112608164	S8	SPTLC1	5.51E-06	1.00E+00	2.71E-03	7.50E-07	1	0.00086844
phe.Fasting_rs61782936	S8	UBE4B	rs113568654	S12	SPTLC1	6.28E-06	1.00E+00	3.04E-03	7.36E-06	1	0.00631083
phe.Fasting_rs61782936	S8	UBE4B	rs138090701	S5	HDAC3	1.97E-05	1.00E+00	8.24E-03	9.40E-07	1	0.00106782
phe.Fasting_rs61782936	S8	UBE4B	rs140524622	S7	MRPL10	1.53E-09	6.24E-02	1.63E-06	1.63E-06	1	0.00172657
phe.Fasting_rs61782936	S8	UBE4B	rs149716949	S5	DIAPH1	1.60E-05	1	6.84E-03	7.58E-07	1	0.000876478
phe.Fasting_rs61782936	S8	UBE4B	rs6881310	S23	ISL1	4.64E-07	1	3.06E-04	7.48E-06	1	0.00640069
phe.Fasting_rs61782936	S8	UBE4B	rs76542405	S5	SPTLC1	5.51E-06	1	2.71E-03	7.50E-07	1	0.00086844
phe.Fasting_rs61782936	S8	UBE4B	rs77444916	S23	LOC642366	6.20E-07	1	3.98E-04	3.66E-12	0.000149057	1.53E-08
phe.Fasting_rs61782936	S8	UBE4B	rs77523818	S7	SPTLC1	5.51E-06	1	2.71E-03	7.50E-07	1	0.00086844
phe.Fasting_rs61782936	S8	UBE4B	rs77845645	S21	NA	1.02E-06	1	0.000617042	4.62E-09	0.188128	9.26E-06
phe.Fasting_rs61782936	S8	UBE4B	rs80258830	S24	LOC642366	6.20E-07	1.00E+00	3.98E-04	3.66E-12	0.000149057	1.53E-08
phe.Fasting_rs62473526	S8	COPG2	rs116079984	S8	KPNA3	5.27E-06	1	2.61E-03	9.76E-10	0.0397117	2.32E-06
phe.Fasting_rs62473526	S8	COPG2	rs74627895	S8	TMEM64	1.77E-10	0.00722963	2.21E-07	7.91E-06	1	0.00671312
phe.Fasting_rs62473529	S7	COPG2	rs116079984	S8	KPNA3	5.40E-06	1	2.66E-03	3.77E-08	1	5.94E-05
phe.Fasting_rs62473529	S7	COPG2	rs74627895	S8	TMEM64	1.57E-10	0.00641302	1.97E-07	8.10E-06	1	0.00685529
phe.Fasting_rs62473530	S7	COPG2	rs116079984	S8	KPNA3	5.40E-06	1.00E+00	2.66E-03	3.77E-08	1	5.94E-05
phe.Fasting_rs62473530	S7	COPG2	rs74627895	S8	TMEM64	1.57E-10	6.41E-03	1.97E-07	8.10E-06	1	0.00685529
phe.Fasting_rs62473531	S7	COPG2	rs116079984	S8	KPNA3	5.40E-06	1	0.0026598	3.77E-08	1	5.94E-05
phe.Fasting_rs62473531	S7	COPG2	rs74627895	S8	TMEM64	1.57E-10	6.41E-03	1.97E-07	8.10E-06	1	6.86E-03
phe.Fasting_rs62473532	S7	COPG2	rs116079984	S8	KPNA3	5.40E-06	1.00E+00	2.66E-03	3.77E-08	1	5.94E-05
phe.Fasting_rs62473532	S7	COPG2	rs74627895	S8	TMEM64	1.57E-10	6.41E-03	1.97E-07	8.10E-06	1	0.00685529
phe.Fasting_rs6542772	S5	LIMS1	rs112027720	S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs112940854	S5	MYO1B	1.92E-05	1.00E+00	8.04E-03	8.38E-07	1	0.00096107



phe.Fasting_rs6542772	S5	LIMS1	rs113219478S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs115888477S8	NA	6.44E-07	1	4.11E-04	5.89E-06	1	0.00523297
phe.Fasting_rs6542772	S5	LIMS1	rs138090701S5	HDAC3	1.14E-06	1	0.000680781	7.54E-06	1	6.44E-03
phe.Fasting_rs6542772	S5	LIMS1	rs138136869S7	DIAPH1	7.24E-07	1	0.000456268	2.51E-06	1	0.00250878
phe.Fasting_rs6542772	S5	LIMS1	rs138487229S11	DIAPH1	2.35E-06	1	0.00128405	5.58E-06	1	5.01E-03
phe.Fasting_rs6542772	S5	LIMS1	rs138738950S8	"PCDHGB2,PI	2.35E-06	1	0.00128405	5.57E-06	1	5.01E-03
phe.Fasting_rs6542772	S5	LIMS1	rs139297927S8	DIAPH1	2.35E-06	1	0.00128405	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs139337303S8	DIAPH1	2.35E-06	1	0.00128405	5.58E-06	1	5.01E-03
phe.Fasting_rs6542772	S5	LIMS1	rs139403963S8	DIAPH1	7.24E-07	1	0.000456268	2.51E-06	1	2.51E-03
phe.Fasting_rs6542772	S5	LIMS1	rs139621309S18	"LOC1005056	2.35E-06	1	0.00128405	5.58E-06	1	5.01E-03
phe.Fasting_rs6542772	S5	LIMS1	rs139828110S8	DIAPH1	7.24E-07	1	0.000456268	2.51E-06	1	2.51E-03
phe.Fasting_rs6542772	S5	LIMS1	rs140070363S8	DIAPH1	2.35E-06	1	0.00128405	5.58E-06	1	5.01E-03
phe.Fasting_rs6542772	S5	LIMS1	rs140644750S13	DIAPH1	2.35E-06	1	0.00128405	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs141022544S8	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs141525984S5	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs142480565S8	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs142718558S7	"DIAPH1,LOC	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs142789100S8	DIAPH1	7.24E-07	1	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs6542772	S5	LIMS1	rs142812798S7	DIAPH1	7.24E-07	1	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs6542772	S5	LIMS1	rs143377827S13	"DIAPH1,LOC	3.87E-07	1	2.62E-04	1.87E-06	1	0.00195041
phe.Fasting_rs6542772	S5	LIMS1	rs143691978S11	DIAPH1	7.24E-07	1	4.56E-04	2.58E-06	1	0.00256916
phe.Fasting_rs6542772	S5	LIMS1	rs144081334S11	DIAPH1	7.24E-07	1	4.56E-04	2.58E-06	1	0.00256916
phe.Fasting_rs6542772	S5	LIMS1	rs144613910S8	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs145027704S11	DIAPH1	7.24E-07	1	4.56E-04	2.58E-06	1	0.00256916
phe.Fasting_rs6542772	S5	LIMS1	rs146220673S7	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs146622060S13	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.58E-06	1	2.57E-03
phe.Fasting_rs6542772	S5	LIMS1	rs146878162S7	DIAPH1	2.35E-06	1	0.00128405	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs147314451S8	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs147417996S7	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.58E-06	1	0.00256916
phe.Fasting_rs6542772	S5	LIMS1	rs147646948S7	"LOC1005056	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs147677041S8	DIAPH1	7.24E-07	1	0.000456268	2.51E-06	1	0.00250878
phe.Fasting_rs6542772	S5	LIMS1	rs148116628S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs148423011S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs149019627S8	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs6542772	S5	LIMS1	rs149075406S8	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs149334783S8	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs149791570S5	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.51E-06	1	2.51E-03
phe.Fasting_rs6542772	S5	LIMS1	rs150452206S13	"DIAPH1,LOC	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs150675915S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs150765570S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881

phe.Fasting_rs6542772	S5	LIMS1	rs150992994S11	"PCDHGA5,PI	2.36E-06	1.00E+00	1.29E-03	2.32E-06	1	0.00235104
phe.Fasting_rs6542772	S5	LIMS1	rs151204700S8	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	5.01E-03
phe.Fasting_rs6542772	S5	LIMS1	rs151330468S8	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.58E-06	1	0.00256916
phe.Fasting_rs6542772	S5	LIMS1	rs16833551 S5	MYO1B	2.05E-05	1.00E+00	8.52E-03	1.40E-07	1	0.000192036
phe.Fasting_rs6542772	S5	LIMS1	rs180772028S8	"DIAPH1,LOC	2.35E-06	1	0.00128405	5.58E-06	1	5.01E-03
phe.Fasting_rs6542772	S5	LIMS1	rs181224861S7	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs182714699S8	DIAPH1	2.35E-06	1	0.00128405	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs182965141S8	DIAPH1	8.32E-07	1	0.000514411	1.64E-06	1	0.00173454
phe.Fasting_rs6542772	S5	LIMS1	rs183597049S7	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs183980988S2	NA	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs184233232S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs184509477S13	"PCDHGB4,PI	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs185069296S15	"LOC1005056	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs185502834S8	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs6542772	S5	LIMS1	rs185759881S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs187000011S11	DIAPH1	2.35E-06	1	0.00128405	5.58E-06	1	5.01E-03
phe.Fasting_rs6542772	S5	LIMS1	rs188981295S5	"RPS27AP10,	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs190559574S7	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs6542772	S5	LIMS1	rs191544043S8	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	5.01E-03
phe.Fasting_rs6542772	S5	LIMS1	rs191766712S7	DIAPH1	2.35E-06	1	0.00128405	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs192690040S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs192765219S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs192770525S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs6542772	S5	LIMS1	rs35990401 S7	DIAPH1	4.67E-06	1.00E+00	2.34E-03	1.30E-06	1	0.00142873
phe.Fasting_rs6542772	S5	LIMS1	rs55900860 S7	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs6542772	S5	LIMS1	rs61613048 S8	MYO1B	2.16E-05	1.00E+00	8.91E-03	4.36E-07	1	0.000527729
phe.Fasting_rs6542772	S5	LIMS1	rs73058677 S5	MYO1B	1.92E-05	1.00E+00	8.04E-03	2.24E-07	1	0.000293135
phe.Fasting_rs6553443	S8	NEK1	rs112027720S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs112089881S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	5.67E-09	0.230592	1.11E-05
phe.Fasting_rs6553443	S8	NEK1	rs113219478S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs113357907S24	ISL1	6.12E-18	2.50E-10	7.50E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs6553443	S8	NEK1	rs115787552S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	0.000281471
phe.Fasting_rs6553443	S8	NEK1	rs115888477S8	NA	2.70E-15	1.10E-07	7.57E-12	1.63E-08	0.66442	2.86E-05
phe.Fasting_rs6553443	S8	NEK1	rs116011837S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs6553443	S8	NEK1	rs116079984S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.52E-07	1	0.000325188
phe.Fasting_rs6553443	S8	NEK1	rs116120727S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs6553443	S8	NEK1	rs116279995S20	"PCDHGA4,PI	2.15E-05	1	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_rs6553443	S8	NEK1	rs138090701S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	1.29E-08	0.523399	2.33E-05
phe.Fasting_rs6553443	S8	NEK1	rs138136869S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6553443	S8	NEK1	rs138457103S10	DIAPH1	5.43E-12	2.22E-04	9.60E-09	2.09E-08	0.850097	3.57E-05

phe.Fasting_rs6553443	S8	NEK1	rs138487229S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs138738950S8	"PCDHGB2,Pi	9.17E-12	3.74E-04	1.48E-08	2.22E-08	0.904374	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs139297927S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs139337303S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs139403963S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6553443	S8	NEK1	rs139621309S18	"LOC1005056	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs139828110S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6553443	S8	NEK1	rs140070363S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs140644750S13	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs141022544S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs141525984S5	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs141926074S8	ATE1	1.33E-06	1.00E+00	7.83E-04	1.98E-14	8.07E-07	1.59E-10
phe.Fasting_rs6553443	S8	NEK1	rs142480565S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs142718558S7	"DIAPH1,LOC	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs142789100S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6553443	S8	NEK1	rs142812798S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6553443	S8	NEK1	rs143377827S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	2.57E-09	0.104505	5.52E-06
phe.Fasting_rs6553443	S8	NEK1	rs143691978S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs6553443	S8	NEK1	rs144081334S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs6553443	S8	NEK1	rs144613910S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs145027704S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs6553443	S8	NEK1	rs146220673S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs146622060S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs6553443	S8	NEK1	rs146815317S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	2.81E-04
phe.Fasting_rs6553443	S8	NEK1	rs146878162S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs1470889S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs6553443	S8	NEK1	rs1470890S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs6553443	S8	NEK1	rs147314451S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs147417996S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs6553443	S8	NEK1	rs147506725S21	"PCDHGA1,Pi	2.15E-05	1	0.00887266	2.34E-07	1	0.000303649
phe.Fasting_rs6553443	S8	NEK1	rs147646948S7	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs147677041S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6553443	S8	NEK1	rs148116628S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs148423011S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs149019627S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6553443	S8	NEK1	rs149075406S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs149334783S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs149553852S21	"PCDHGA10,	2.15E-05	1	0.00887266	2.34E-07	1	0.000303649
phe.Fasting_rs6553443	S8	NEK1	rs149716949S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	2.72E-09	0.110842	5.82E-06
phe.Fasting_rs6553443	S8	NEK1	rs149791570S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06

phe.Fasting_rs6553443	S8	NEK1	rs150117838	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	0.000270369
phe.Fasting_rs6553443	S8	NEK1	rs150452206	S13	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs150675915	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs150765570	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs150992994	S11	"PCDHGA5,Pi	9.47E-12	0.000386737	1.52E-08	2.14E-08	0.869105	3.65E-05
phe.Fasting_rs6553443	S8	NEK1	rs151204700	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs151330468	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs6553443	S8	NEK1	rs16894241	S4	HIST1H2BK	5.24E-08	1	4.28E-05	5.37E-07	1	0.000638437
phe.Fasting_rs6553443	S8	NEK1	rs180772028	S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs181224861	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs181247960	S21	"PCDHGA9,Pi	2.15E-05	1	0.00887266	2.34E-07	1	0.000303649
phe.Fasting_rs6553443	S8	NEK1	rs181824655	S21	"PCDHGB6,Pi	2.15E-05	1	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_rs6553443	S8	NEK1	rs182714699	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs182965141	S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	1.71E-09	0.0696833	3.83E-06
phe.Fasting_rs6553443	S8	NEK1	rs183597049	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs183980988	S2	NA	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs184233232	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs184509477	S13	"PCDHGB4,Pi	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs185069296	S15	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs185502834	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6553443	S8	NEK1	rs185759881	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs186288044	S21	"PCDHGB4,Pi	2.15E-05	1	0.00887266	2.34E-07	1	0.000303649
phe.Fasting_rs6553443	S8	NEK1	rs187000011	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs188981295	S5	"RPS27AP10,	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs190559574	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6553443	S8	NEK1	rs191544043	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs191766712	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs192690040	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs192765219	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs192770525	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6553443	S8	NEK1	rs2924507	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs6553443	S8	NEK1	rs2924508	S8	ZC3H3	3.60E-08	1	3.04E-05	9.52E-07	1	0.00108069
phe.Fasting_rs6553443	S8	NEK1	rs2924511	S7	ZC3H3	3.60E-08	1	3.04E-05	5.76E-07	1	0.000680958
phe.Fasting_rs6553443	S8	NEK1	rs2924512	S7	ZC3H3	4.02E-08	1	3.37E-05	7.17E-07	1	0.00083355
phe.Fasting_rs6553443	S8	NEK1	rs2956376	S8	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs6553443	S8	NEK1	rs2980270	S7	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs6553443	S8	NEK1	rs2980272	S7	ZC3H3	4.02E-08	1	3.37E-05	7.52E-07	1	0.000869902
phe.Fasting_rs6553443	S8	NEK1	rs2980275	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs6553443	S8	NEK1	rs35990401	S7	DIAPH1	8.40E-12	0.000343123	1.39E-08	8.38E-09	0.340996	1.59E-05
phe.Fasting_rs6553443	S8	NEK1	rs366767	S5	ZC3H3	6.34E-08	1	5.08E-05	4.19E-07	1	0.000508745

phe.Fasting_	rs6553443	S8	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_	rs6553443	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_	rs6553443	S8	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	1.35E-08	0.549186	2.43E-05
phe.Fasting_	rs6553443	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_	rs6553443	S8	NEK1	rs77798597	S7	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	0.000270369
phe.Fasting_	rs6553443	S8	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	2.08E-07	1	0.000273911
phe.Fasting_	rs6553443	S8	NEK1	rs78736524	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	0.000281471
phe.Fasting_	rs6553443	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	2.29E-09	0.0931701	4.98E-06
phe.Fasting_	rs6553443	S8	NEK1	rs79781495	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	0.000270369
phe.Fasting_	rs6553443	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_	rs6553443	S8	NEK1	rs80332465	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.14E-07	1	0.000280922
phe.Fasting_	rs6553443	S8	NEK1	rs80334773	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.14E-07	1	0.000280922
phe.Fasting_	rs6604877	S8	FAM73A	rs116011837	S9	BRD2	1.84E-07	1	0.000131665	1.34E-07	1	0.000184741
phe.Fasting_	rs6604877	S8	FAM73A	rs116120727	S9	BRD2	1.84E-07	1	0.000131665	1.34E-07	1	0.000184741
phe.Fasting_	rs6695760	S7	ATF6	rs114968018	S21	NA	1.57E-05	1	0.00675704	3.21E-06	1	0.0031047
phe.Fasting_	rs6700518	S8	UBE4B	rs112348319	S8	SPTLC1	5.20E-06	1	0.002579	9.70E-07	1	0.00109881
phe.Fasting_	rs6700518	S8	UBE4B	rs112608164	S8	SPTLC1	5.20E-06	1	0.002579	9.70E-07	1	0.00109881
phe.Fasting_	rs6700518	S8	UBE4B	rs113568654	S12	SPTLC1	5.96E-06	1	0.0029059	9.19E-06	1	0.00761741
phe.Fasting_	rs6700518	S8	UBE4B	rs138090701	S5	HDAC3	1.92E-05	1	0.00804507	1.07E-06	1	0.00120484
phe.Fasting_	rs6700518	S8	UBE4B	rs140524622	S7	MRPL10	1.55E-09	0.0634081	1.65E-06	2.04E-06	1	0.0021058
phe.Fasting_	rs6700518	S8	UBE4B	rs149716949	S5	DIAPH1	1.56E-05	1	6.71E-03	8.65E-07	1	0.000988966
phe.Fasting_	rs6700518	S8	UBE4B	rs6881310	S23	ISL1	4.50E-07	1	0.000297773	9.35E-06	1	0.00771941
phe.Fasting_	rs6700518	S8	UBE4B	rs76542405	S5	SPTLC1	5.20E-06	1	2.58E-03	9.70E-07	1	0.00109881
phe.Fasting_	rs6700518	S8	UBE4B	rs77444916	S23	LOC642366	6.09E-07	1	3.91E-04	4.57E-12	0.000185882	1.82E-08
phe.Fasting_	rs6700518	S8	UBE4B	rs77523818	S7	SPTLC1	5.20E-06	1	2.58E-03	9.70E-07	1	0.00109881
phe.Fasting_	rs6700518	S8	UBE4B	rs77845645	S21	NA	9.77E-07	1	5.94E-04	6.51E-09	0.265044	1.26E-05
phe.Fasting_	rs6700518	S8	UBE4B	rs80258830	S24	LOC642366	6.09E-07	1	3.91E-04	4.57E-12	0.000185882	1.82E-08
phe.Fasting_	rs6737333	S5	LIMS1	rs112027720	S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_	rs6737333	S5	LIMS1	rs112940854	S5	MYO1B	1.56E-05	1	6.72E-03	7.12E-07	1	0.000828337
phe.Fasting_	rs6737333	S5	LIMS1	rs113219478	S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_	rs6737333	S5	LIMS1	rs115888477	S8	NA	5.33E-07	1.00E+00	3.48E-04	1.53E-07	1	0.000208323
phe.Fasting_	rs6737333	S5	LIMS1	rs138090701	S5	HDAC3	9.72E-08	1.00E+00	7.43E-05	6.47E-06	1	5.68E-03
phe.Fasting_	rs6737333	S5	LIMS1	rs138136869	S7	DIAPH1	1.65E-08	6.76E-01	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_	rs6737333	S5	LIMS1	rs138457103	S10	DIAPH1	1.52E-06	1.00E+00	8.85E-04	7.68E-06	1	6.55E-03
phe.Fasting_	rs6737333	S5	LIMS1	rs138487229	S11	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_	rs6737333	S5	LIMS1	rs138738950	S8	"PCDHGB2,Pi	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_	rs6737333	S5	LIMS1	rs139297927	S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_	rs6737333	S5	LIMS1	rs139337303	S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_	rs6737333	S5	LIMS1	rs139403963	S8	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_	rs6737333	S5	LIMS1	rs139621309	S18	"LOC1005056	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182

phe.Fasting_rs6737333	S5	LIMS1	rs139828110S8	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6737333	S5	LIMS1	rs140070363S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs140644750S13	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs141022544S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs141525984S5	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs142480565S8	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	4.42E-03
phe.Fasting_rs6737333	S5	LIMS1	rs142718558S7	"DIAPH1,LOC	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs142789100S8	DIAPH1	1.65E-08	6.76E-01	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6737333	S5	LIMS1	rs142812798S7	DIAPH1	1.65E-08	6.76E-01	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6737333	S5	LIMS1	rs143377827S13	"DIAPH1,LOC	9.58E-09	0.39112	8.98E-06	1.55E-06	1	0.00166139
phe.Fasting_rs6737333	S5	LIMS1	rs143691978S11	DIAPH1	1.65E-08	6.76E-01	1.48E-05	2.15E-06	1	0.00220037
phe.Fasting_rs6737333	S5	LIMS1	rs144081334S11	DIAPH1	1.65E-08	6.76E-01	1.48E-05	2.15E-06	1	2.20E-03
phe.Fasting_rs6737333	S5	LIMS1	rs144613910S8	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs145027704S11	DIAPH1	1.65E-08	6.76E-01	1.48E-05	2.15E-06	1	2.20E-03
phe.Fasting_rs6737333	S5	LIMS1	rs146220673S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs146622060S13	DIAPH1	1.65E-08	0.675571	1.48E-05	2.15E-06	1	0.00220037
phe.Fasting_rs6737333	S5	LIMS1	rs146878162S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs147314451S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs147417996S7	DIAPH1	1.65E-08	0.675571	1.48E-05	2.15E-06	1	0.00220037
phe.Fasting_rs6737333	S5	LIMS1	rs147646948S7	"LOC1005056	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs147677041S8	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6737333	S5	LIMS1	rs148116628S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs148423011S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs149019627S8	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6737333	S5	LIMS1	rs149075406S8	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs149334783S8	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	4.42E-03
phe.Fasting_rs6737333	S5	LIMS1	rs149716949S5	DIAPH1	1.58E-07	1.00E+00	1.15E-04	3.26E-06	1	0.00314807
phe.Fasting_rs6737333	S5	LIMS1	rs149791570S5	DIAPH1	1.65E-08	6.76E-01	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6737333	S5	LIMS1	rs150452206S13	"DIAPH1,LOC	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs150675915S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs150765570S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	4.42E-03
phe.Fasting_rs6737333	S5	LIMS1	rs150992994S11	"PCDHGA5,Pi	6.95E-08	1	5.51E-05	1.98E-06	1	0.0020499
phe.Fasting_rs6737333	S5	LIMS1	rs151204700S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs151330468S8	DIAPH1	1.65E-08	0.675571	1.48E-05	2.15E-06	1	0.00220037
phe.Fasting_rs6737333	S5	LIMS1	rs16833551 S5	MYO1B	1.67E-05	1	7.12E-03	1.19E-07	1	0.000165372
phe.Fasting_rs6737333	S5	LIMS1	rs180772028S8	"DIAPH1,LOC	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs181224861S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs182714699S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs182965141S8	DIAPH1	1.92E-08	7.83E-01	1.70E-05	1.34E-06	1	0.00146365
phe.Fasting_rs6737333	S5	LIMS1	rs183597049S7	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182

phe.Fasting_rs6737333	S5	LIMS1	rs183980988 S2	NA	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs184233232 S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs184509477 S13	"PCDHGB4,PI	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs185069296 S15	"LOC1005056	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs185502834 S8	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6737333	S5	LIMS1	rs185759881 S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	4.42E-03
phe.Fasting_rs6737333	S5	LIMS1	rs187000011 S11	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	4.42E-03
phe.Fasting_rs6737333	S5	LIMS1	rs188981295 S5	"RPS27AP10,	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs190559574 S7	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6737333	S5	LIMS1	rs191544043 S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs191766712 S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs192690040 S7	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs192765219 S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs192770525 S7	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6737333	S5	LIMS1	rs35990401 S7	DIAPH1	1.13E-07	1	8.51E-05	1.11E-06	1	0.0012452
phe.Fasting_rs6737333	S5	LIMS1	rs55900860 S7	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6737333	S5	LIMS1	rs61613048 S8	MYO1B	1.79E-05	1	7.57E-03	3.68E-07	1	0.000455386
phe.Fasting_rs6737333	S5	LIMS1	rs73058677 S5	MYO1B	1.56E-05	1.00E+00	6.72E-03	1.88E-07	1	0.000250599
phe.Fasting_rs6747243	S5	LIMS1	rs112027720 S7	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs112940854 S5	MYO1B	1.56E-05	1.00E+00	6.72E-03	7.12E-07	1	0.000828337
phe.Fasting_rs6747243	S5	LIMS1	rs113219478 S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs115888477 S8	NA	5.33E-07	1	3.48E-04	1.53E-07	1	0.000208323
phe.Fasting_rs6747243	S5	LIMS1	rs138090701 S5	HDAC3	9.72E-08	1	7.43E-05	6.47E-06	1	0.00567942
phe.Fasting_rs6747243	S5	LIMS1	rs138136869 S7	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6747243	S5	LIMS1	rs138457103 S10	DIAPH1	1.52E-06	1.00E+00	8.85E-04	7.68E-06	1	6.55E-03
phe.Fasting_rs6747243	S5	LIMS1	rs138487229 S11	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs138738950 S8	"PCDHGB2,PI	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs139297927 S8	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs139337303 S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs139403963 S8	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6747243	S5	LIMS1	rs139621309 S18	"LOC1005056	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs139828110 S8	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6747243	S5	LIMS1	rs140070363 S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs140644750 S13	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs141022544 S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs141525984 S5	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs142480565 S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	4.42E-03
phe.Fasting_rs6747243	S5	LIMS1	rs142718558 S7	"DIAPH1,LOC	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs142789100 S8	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6747243	S5	LIMS1	rs142812798 S7	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474

phe.Fasting_rs6747243	S5	LIMS1	rs143377827 S13	"DIAPH1,LOC	9.58E-09	0.39112	8.98E-06	1.55E-06	1	0.00166139
phe.Fasting_rs6747243	S5	LIMS1	rs143691978 S11	DIAPH1	1.65E-08	0.675571	1.48E-05	2.15E-06	1	0.00220037
phe.Fasting_rs6747243	S5	LIMS1	rs144081334 S11	DIAPH1	1.65E-08	0.675571	1.48E-05	2.15E-06	1	0.00220037
phe.Fasting_rs6747243	S5	LIMS1	rs144613910 S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs145027704 S11	DIAPH1	1.65E-08	0.675571	1.48E-05	2.15E-06	1	0.00220037
phe.Fasting_rs6747243	S5	LIMS1	rs146220673 S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs146622060 S13	DIAPH1	1.65E-08	0.675571	1.48E-05	2.15E-06	1	0.00220037
phe.Fasting_rs6747243	S5	LIMS1	rs146878162 S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs147314451 S8	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs147417996 S7	DIAPH1	1.65E-08	0.675571	1.48E-05	2.15E-06	1	0.00220037
phe.Fasting_rs6747243	S5	LIMS1	rs147646948 S7	"LOC1005056	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs147677041 S8	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6747243	S5	LIMS1	rs148116628 S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs148423011 S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs149019627 S8	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	2.14E-03
phe.Fasting_rs6747243	S5	LIMS1	rs149075406 S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs149334783 S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs149716949 S5	DIAPH1	1.58E-07	1	0.00011482	3.26E-06	1	0.00314807
phe.Fasting_rs6747243	S5	LIMS1	rs149791570 S5	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	0.00214474
phe.Fasting_rs6747243	S5	LIMS1	rs150452206 S13	"DIAPH1,LOC	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs150675915 S7	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs150765570 S7	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs150992994 S11	"PCDHGA5,Pi	6.95E-08	1	5.51E-05	1.98E-06	1	0.0020499
phe.Fasting_rs6747243	S5	LIMS1	rs151204700 S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs151330468 S8	DIAPH1	1.65E-08	0.675571	1.48E-05	2.15E-06	1	0.00220037
phe.Fasting_rs6747243	S5	LIMS1	rs16833551 S5	MYO1B	1.67E-05	1	7.12E-03	1.19E-07	1	0.000165372
phe.Fasting_rs6747243	S5	LIMS1	rs180772028 S8	"DIAPH1,LOC	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs181224861 S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs182714699 S8	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs182965141 S8	DIAPH1	1.92E-08	0.782733	1.70E-05	1.34E-06	1	0.00146365
phe.Fasting_rs6747243	S5	LIMS1	rs183597049 S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs183980988 S2	NA	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	4.42E-03
phe.Fasting_rs6747243	S5	LIMS1	rs184233232 S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs184509477 S13	"PCDHGB4,Pi	7.07E-08	1	5.59E-05	4.80E-06	1	4.42E-03
phe.Fasting_rs6747243	S5	LIMS1	rs185069296 S15	"LOC1005056	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs185502834 S7	DIAPH1	1.65E-08	0.675571	1.48E-05	2.08E-06	1	2.14E-03
phe.Fasting_rs6747243	S5	LIMS1	rs185759881 S7	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs187000011 S11	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs188981295 S5	"RPS27AP10,	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs190559574 S7	DIAPH1	1.65E-08	6.76E-01	1.48E-05	2.08E-06	1	0.00214474



phe.Fasting_rs6747243	S5	LIMS1	rs191544043	S8	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs191766712	S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs192690040	S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs192765219	S7	DIAPH1	7.07E-08	1.00E+00	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs192770525	S7	DIAPH1	7.07E-08	1	5.59E-05	4.80E-06	1	0.0044182
phe.Fasting_rs6747243	S5	LIMS1	rs35990401	S7	DIAPH1	1.13E-07	1	8.51E-05	1.11E-06	1	0.0012452
phe.Fasting_rs6747243	S5	LIMS1	rs55900860	S7	DIAPH1	1.65E-08	6.76E-01	1.48E-05	2.08E-06	1	2.14E-03
phe.Fasting_rs6747243	S5	LIMS1	rs61613048	S8	MYO1B	1.79E-05	1	0.00756697	3.68E-07	1	0.000455386
phe.Fasting_rs6747243	S5	LIMS1	rs73058677	S5	MYO1B	1.56E-05	1	6.72E-03	1.88E-07	1	2.51E-04
phe.Fasting_rs6753834	S8	AAK1	rs114334325	S7	AP3M2	3.17E-08	1.00E+00	2.71E-05	1.01E-09	0.0413052	2.41E-06
phe.Fasting_rs6753834	S8	AAK1	rs114394395	S7	AP3M2	3.31E-08	1	2.82E-05	1.01E-09	0.0413052	2.41E-06
phe.Fasting_rs6753834	S8	AAK1	rs116406581	S2	NA	1.81E-07	1.00E+00	1.30E-04	4.89E-11	0.00199003	1.58E-07
phe.Fasting_rs6753834	S8	AAK1	rs116696844	S3	AP3M2	3.79E-08	1.00E+00	3.18E-05	1.01E-09	0.0413052	2.41E-06
phe.Fasting_rs6753834	S8	AAK1	rs138136869	S7	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs6753834	S8	AAK1	rs138457103	S10	DIAPH1	1.92E-05	1.00E+00	8.06E-03	1.00E-08	0.4075	1.86E-05
phe.Fasting_rs6753834	S8	AAK1	rs139403963	S8	DIAPH1	2.11E-05	1	0.00874719	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs6753834	S8	AAK1	rs139828110	S8	DIAPH1	2.11E-05	1	0.00874719	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs6753834	S8	AAK1	rs142789100	S8	DIAPH1	2.11E-05	1	0.00874719	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs6753834	S8	AAK1	rs142812798	S7	DIAPH1	2.11E-05	1	0.00874719	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs6753834	S8	AAK1	rs143377827	S13	"DIAPH1,LOC	3.59E-06	1	0.00185741	1.44E-09	0.0586058	3.28E-06
phe.Fasting_rs6753834	S8	AAK1	rs143691978	S11	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.45E-09	0.099758	5.29E-06
phe.Fasting_rs6753834	S8	AAK1	rs144081334	S11	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.45E-09	0.099758	5.29E-06
phe.Fasting_rs6753834	S8	AAK1	rs145027704	S11	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.45E-09	0.099758	5.29E-06
phe.Fasting_rs6753834	S8	AAK1	rs146622060	S13	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.45E-09	0.099758	5.29E-06
phe.Fasting_rs6753834	S8	AAK1	rs147417996	S7	DIAPH1	2.11E-05	1	8.75E-03	2.45E-09	0.099758	5.29E-06
phe.Fasting_rs6753834	S8	AAK1	rs147677041	S8	DIAPH1	2.11E-05	1	0.00874719	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs6753834	S8	AAK1	rs149019627	S8	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs6753834	S8	AAK1	rs149791570	S5	DIAPH1	2.11E-05	1	0.00874719	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs6753834	S8	AAK1	rs151330468	S8	DIAPH1	2.11E-05	1	8.75E-03	2.45E-09	0.099758	5.29E-06
phe.Fasting_rs6753834	S8	AAK1	rs182965141	S8	DIAPH1	2.31E-05	1.00E+00	9.45E-03	8.02E-10	0.0326295	1.96E-06
phe.Fasting_rs6753834	S8	AAK1	rs185502834	S8	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs6753834	S8	AAK1	rs190559574	S7	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs6753834	S8	AAK1	rs55900860	S7	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs6753834	S8	AAK1	rs7004597	S8	NA	3.17E-08	1.00E+00	2.71E-05	3.12E-10	0.0127112	8.41E-07
phe.Fasting_rs6753834	S8	AAK1	rs78353402	S8	AP3M2	3.17E-08	1	2.71E-05	1.01E-09	0.0413052	2.41E-06
phe.Fasting_rs6753834	S8	AAK1	rs79517926	S15	"DIAPH1,LOC	1.52E-05	1	6.57E-03	1.13E-11	0.000458886	4.14E-08
phe.Fasting_rs6763396	S5	PHC3	rs111576333	S5	TMEM64	2.24E-08	0.914277	1.96E-05	1.88E-10	0.00766889	5.37E-07
phe.Fasting_rs6763396	S5	PHC3	rs112091318	S5	TMEM64	6.76E-09	0.275951	6.51E-06	2.80E-10	0.0114072	7.67E-07
phe.Fasting_rs6763396	S5	PHC3	rs112348319	S8	SPTLC1	2.17E-05	1.00E+00	8.94E-03	8.05E-10	0.0327714	1.96E-06
phe.Fasting_rs6763396	S5	PHC3	rs112608164	S8	SPTLC1	2.17E-05	1	8.94E-03	8.05E-10	0.0327714	1.96E-06

phe.Fasting_rs6763396	S5	PHC3	rs113568654 S12	SPTLC1	2.08E-05	1.00E+00	8.63E-03	1.06E-08	0.430778	1.95E-05
phe.Fasting_rs6763396	S5	PHC3	rs114565620 S8	RCL1	2.86E-19	1.17E-11	2.40E-14	4.05E-07	1	0.000494219
phe.Fasting_rs6763396	S5	PHC3	rs115083290 S19	NA	9.19E-08	1.00E+00	7.07E-05	3.44E-09	0.140185	7.19E-06
phe.Fasting_rs6763396	S5	PHC3	rs115752779 S19	NA	9.19E-08	1.00E+00	7.07E-05	3.44E-09	0.140185	7.19E-06
phe.Fasting_rs6763396	S5	PHC3	rs115888477 S8	NA	1.41E-06	1.00E+00	8.26E-04	8.10E-11	0.00329718	2.52E-07
phe.Fasting_rs6763396	S5	PHC3	rs116011837 S9	BRD2	2.95E-13	1.21E-05	6.34E-10	2.12E-11	0.000864406	7.47E-08
phe.Fasting_rs6763396	S5	PHC3	rs116120727 S9	BRD2	2.95E-13	1.21E-05	6.34E-10	2.12E-11	0.000864406	7.47E-08
phe.Fasting_rs6763396	S5	PHC3	rs116548615 S8	TMEM45B	5.35E-19	2.19E-11	2.49E-14	6.44E-10	0.0262015	1.62E-06
phe.Fasting_rs6763396	S5	PHC3	rs11989304 S4	TMEM64	2.24E-08	9.14E-01	1.96E-05	1.88E-10	0.00766324	5.37E-07
phe.Fasting_rs6763396	S5	PHC3	rs140524622 S7	MRPL10	2.30E-08	9.38E-01	2.01E-05	2.21E-06	1	2.25E-03
phe.Fasting_rs6763396	S5	PHC3	rs141926074 S8	ATE1	1.28E-19	5.21E-12	2.23E-14	1.38E-11	0.000562151	5.01E-08
phe.Fasting_rs6763396	S5	PHC3	rs73392640 S8	POLR3B	7.04E-08	1	5.58E-05	9.07E-06	1	0.00754232
phe.Fasting_rs6763396	S5	PHC3	rs74627895 S8	TMEM64	6.76E-09	2.76E-01	6.51E-06	1.03E-06	1	0.00115604
phe.Fasting_rs6763396	S5	PHC3	rs75350765 S5	RCL1	2.86E-19	1.17E-11	2.40E-14	4.05E-07	1	4.94E-04
phe.Fasting_rs6763396	S5	PHC3	rs75506779 S5	TMCO3	2.26E-09	9.22E-02	2.35E-06	2.99E-06	1	0.00292119
phe.Fasting_rs6763396	S5	PHC3	rs75949566 S5	TMEM64	2.45E-08	1.00E+00	2.14E-05	3.27E-10	0.0133144	8.75E-07
phe.Fasting_rs6763396	S5	PHC3	rs76542405 S5	SPTLC1	2.17E-05	1	8.94E-03	8.05E-10	0.0327714	1.96E-06
phe.Fasting_rs6763396	S5	PHC3	rs77523818 S7	SPTLC1	2.17E-05	1	8.94E-03	8.05E-10	0.0327714	1.96E-06
phe.Fasting_rs6763396	S5	PHC3	rs7763107 S8	FARS2	1.34E-09	0.054619	1.44E-06	2.47E-06	1	0.00247175
phe.Fasting_rs6763396	S5	PHC3	rs77845645 S21	NA	1.05E-08	0.429322	9.75E-06	1.00E-12	4.08E-05	4.74E-09
phe.Fasting_rs6763396	S5	PHC3	rs78990344 S2	LOC1005063	2.24E-08	0.914277	1.96E-05	1.88E-10	0.00766324	5.37E-07
phe.Fasting_rs6767687	S10	VGLL4	rs112027720 S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs113219478 S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs115083290 S19	NA	1.04E-05	1	4.72E-03	1.40E-10	0.00569301	4.20E-07
phe.Fasting_rs6767687	S10	VGLL4	rs115752779 S19	NA	1.04E-05	1	4.72E-03	1.40E-10	0.00569301	4.20E-07
phe.Fasting_rs6767687	S10	VGLL4	rs115888477 S8	NA	8.13E-08	1	6.32E-05	6.41E-06	1	0.00563254
phe.Fasting_rs6767687	S10	VGLL4	rs116279995 S20	"PCDHGA4, P	1.07E-08	0.438137	9.94E-06	5.13E-10	0.0208944	1.33E-06
phe.Fasting_rs6767687	S10	VGLL4	rs138136869 S7	DIAPH1	7.69E-08	1.00E+00	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_rs6767687	S10	VGLL4	rs138457103 S10	DIAPH1	6.14E-08	1.00E+00	4.94E-05	2.30E-09	0.0935667	5.00E-06
phe.Fasting_rs6767687	S10	VGLL4	rs138487229 S11	DIAPH1	3.64E-09	1.48E-01	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs138738950 S8	"PCDHGB2, P	3.64E-09	1.48E-01	3.64E-06	9.05E-10	0.0368315	2.16E-06
phe.Fasting_rs6767687	S10	VGLL4	rs139297927 S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs139337303 S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs139403963 S8	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	0.0064177
phe.Fasting_rs6767687	S10	VGLL4	rs139621309 S18	"LOC100505	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs139828110 S8	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	0.0064177
phe.Fasting_rs6767687	S10	VGLL4	rs140070363 S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs140524622 S7	MRPL10	2.33E-09	0.0951658	2.42E-06	6.56E-06	1	0.00574338
phe.Fasting_rs6767687	S10	VGLL4	rs140644750 S13	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs141022544 S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06

phe.Fasting_rs6767687	S10	VGLL4	rs141525984S5	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs141692339S3	"PCDHGA6,Pi	3.69E-10	0.0150824	4.32E-07	7.78E-10	0.0316579	1.92E-06
phe.Fasting_rs6767687	S10	VGLL4	rs141926074S8	ATE1	1.12E-09	0.0458797	1.22E-06	1.85E-12	7.52E-05	8.08E-09
phe.Fasting_rs6767687	S10	VGLL4	rs142480565S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs142718558S7	"DIAPH1,LOC	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs142789100S8	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	0.0064177
phe.Fasting_rs6767687	S10	VGLL4	rs142812798S7	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	6.42E-03
phe.Fasting_rs6767687	S10	VGLL4	rs143377827S13	"DIAPH1,LOC	5.85E-08	1	4.72E-05	2.56E-06	1	0.0025482
phe.Fasting_rs6767687	S10	VGLL4	rs143691978S11	DIAPH1	7.69E-08	1	6.01E-05	6.84E-06	1	5.95E-03
phe.Fasting_rs6767687	S10	VGLL4	rs144081334S11	DIAPH1	7.69E-08	1	6.01E-05	6.84E-06	1	0.00595226
phe.Fasting_rs6767687	S10	VGLL4	rs144613910S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs145027704S11	DIAPH1	7.69E-08	1	6.01E-05	6.84E-06	1	0.00595226
phe.Fasting_rs6767687	S10	VGLL4	rs146220673S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs146622060S13	DIAPH1	7.69E-08	1	6.01E-05	6.84E-06	1	0.00595226
phe.Fasting_rs6767687	S10	VGLL4	rs146878162S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs147314451S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs147417996S7	DIAPH1	7.69E-08	1	6.01E-05	6.84E-06	1	0.00595226
phe.Fasting_rs6767687	S10	VGLL4	rs147506725S21	"PCDHGA1,Pi	1.07E-08	0.438137	9.94E-06	5.13E-10	0.0208944	1.33E-06
phe.Fasting_rs6767687	S10	VGLL4	rs147646948S7	"LOC1005050	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs147677041S8	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	0.0064177
phe.Fasting_rs6767687	S10	VGLL4	rs148116628S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs148423011S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs149019627S8	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	0.0064177
phe.Fasting_rs6767687	S10	VGLL4	rs149075406S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs149334783S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs149553852S21	"PCDHGA10,I	1.07E-08	0.438137	9.94E-06	5.13E-10	0.0208944	1.33E-06
phe.Fasting_rs6767687	S10	VGLL4	rs149716949S5	DIAPH1	1.65E-10	0.00674346	2.06E-07	1.62E-09	0.0657984	3.65E-06
phe.Fasting_rs6767687	S10	VGLL4	rs149791570S5	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	0.0064177
phe.Fasting_rs6767687	S10	VGLL4	rs150452206S13	"DIAPH1,LOC	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs150675915S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs150765570S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs150992994S11	"PCDHGA5,Pi	3.70E-09	0.151133	3.70E-06	8.47E-10	0.0344957	2.05E-06
phe.Fasting_rs6767687	S10	VGLL4	rs151204700S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs151330468S8	DIAPH1	7.69E-08	1	6.01E-05	6.84E-06	1	0.00595226
phe.Fasting_rs6767687	S10	VGLL4	rs180772028S8	"DIAPH1,LOC	3.64E-09	1.48E-01	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs181224861S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs181247960S21	"PCDHGA9,Pi	1.07E-08	0.438137	9.94E-06	5.13E-10	0.0208944	1.33E-06
phe.Fasting_rs6767687	S10	VGLL4	rs181824655S21	"PCDHGB6,Pi	1.07E-08	0.438137	9.94E-06	5.13E-10	0.0208944	1.33E-06
phe.Fasting_rs6767687	S10	VGLL4	rs182714699S8	DIAPH1	3.64E-09	1.48E-01	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs182965141S8	DIAPH1	8.49E-08	1.00E+00	6.58E-05	1.21E-05	1	0.00946912

phe.Fasting_rs6767687	S10	VGLL4	rs183597049S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs183980988S2	NA	3.64E-09	1.48E-01	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs184233232S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs184509477S13	"PCDHGB4,PI	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs185069296S15	"LOC1005056	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs185502834S8	DIAPH1	7.69E-08	1.00E+00	6.01E-05	7.50E-06	1	0.0064177
phe.Fasting_rs6767687	S10	VGLL4	rs185759881S7	DIAPH1	3.64E-09	1.48E-01	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs186288044S21	"PCDHGB4,PI	1.07E-08	0.438137	9.94E-06	5.13E-10	0.0208944	1.33E-06
phe.Fasting_rs6767687	S10	VGLL4	rs187000011S11	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs188981295S5	"RPS27AP10,	3.64E-09	1.48E-01	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs190559574S7	DIAPH1	7.69E-08	1	6.01E-05	7.50E-06	1	0.0064177
phe.Fasting_rs6767687	S10	VGLL4	rs191544043S8	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs191766712S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs192690040S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs192765219S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs192770525S7	DIAPH1	3.64E-09	0.148469	3.64E-06	8.99E-10	0.036585	2.15E-06
phe.Fasting_rs6767687	S10	VGLL4	rs35990401 S7	DIAPH1	3.63E-09	0.14834	3.64E-06	3.30E-09	0.134488	6.94E-06
phe.Fasting_rs6767687	S10	VGLL4	rs55900860 S7	DIAPH1	7.69E-08	1.00E+00	6.01E-05	7.50E-06	1	0.0064177
phe.Fasting_rs6767687	S10	VGLL4	rs57503635 S3	NA	5.26E-09	0.214867	5.13E-06	1.65E-12	6.71E-05	7.33E-09
phe.Fasting_rs6767687	S10	VGLL4	rs60011869 S16	NA	9.80E-06	1.00E+00	4.49E-03	5.04E-08	1	7.74E-05
phe.Fasting_rs6767687	S10	VGLL4	rs7256517 S7	CYTH2	3.01E-09	0.123043	3.07E-06	4.53E-07	1	0.000545768
phe.Fasting_rs6767687	S10	VGLL4	rs73283603 S7	ZWINT	7.55E-06	1.00E+00	3.58E-03	1.42E-07	1	0.000194056
phe.Fasting_rs6767687	S10	VGLL4	rs75949566 S5	TMEM64	1.54E-11	0.000628632	2.36E-08	1.71E-06	1	0.00180159
phe.Fasting_rs6767687	S10	VGLL4	rs79517926 S15	"DIAPH1,LOC	8.11E-09	0.331132	7.71E-06	8.62E-07	1	0.000986589
phe.Fasting_rs6780327	S8	FANCD2	rs112027720S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs113219478S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs116279995S20	"PCDHGA4,PI	6.20E-07	1	0.000397692	3.53E-06	1	0.00337922
phe.Fasting_rs6780327	S8	FANCD2	rs138090701S5	HDAC3	9.73E-07	1	0.000591548	5.73E-06	1	0.00512168
phe.Fasting_rs6780327	S8	FANCD2	rs138136869S7	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs6780327	S8	FANCD2	rs138457103S10	DIAPH1	2.44E-07	1	0.00017071	1.37E-06	1	0.00149224
phe.Fasting_rs6780327	S8	FANCD2	rs138487229S11	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs138738950S8	"PCDHGB2,PI	4.36E-07	1	0.000289116	1.61E-06	1	0.0017121
phe.Fasting_rs6780327	S8	FANCD2	rs139297927S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs139337303S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs139403963S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs6780327	S8	FANCD2	rs139621309S18	"LOC1005056	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs139828110S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs6780327	S8	FANCD2	rs140070363S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs140644750S13	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs141022544S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838

phe.Fasting_rs6780327	S8	FANCD2	rs141525984S5	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs141692339S3	"PCDHGA6,Pi	8.21E-07	1	0.000508152	5.19E-06	1	0.00472329
phe.Fasting_rs6780327	S8	FANCD2	rs141926074S8	ATE1	2.88E-07	1	0.000199324	2.16E-06	1	0.00221082
phe.Fasting_rs6780327	S8	FANCD2	rs142480565S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs142718558S7	"DIAPH1,LOC	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs142789100S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs6780327	S8	FANCD2	rs142812798S7	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs6780327	S8	FANCD2	rs143377827S13	"DIAPH1,LOC	8.22E-08	1	6.39E-05	2.35E-07	1	0.000304848
phe.Fasting_rs6780327	S8	FANCD2	rs143691978S11	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	0.000375916
phe.Fasting_rs6780327	S8	FANCD2	rs144081334S11	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	0.000375916
phe.Fasting_rs6780327	S8	FANCD2	rs144613910S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs145027704S11	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	0.000375916
phe.Fasting_rs6780327	S8	FANCD2	rs146220673S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs146622060S13	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	0.000375916
phe.Fasting_rs6780327	S8	FANCD2	rs146878162S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs147314451S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs147417996S7	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	0.000375916
phe.Fasting_rs6780327	S8	FANCD2	rs147506725S21	"PCDHGA1,Pi	6.20E-07	1	0.000397692	3.53E-06	1	0.00337922
phe.Fasting_rs6780327	S8	FANCD2	rs147646948S7	"LOC1005056	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs147677041S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs6780327	S8	FANCD2	rs148116628S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs148423011S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs149019627S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs6780327	S8	FANCD2	rs149075406S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs149334783S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs149553852S21	"PCDHGA10,I	6.20E-07	1	0.000397692	3.53E-06	1	0.00337922
phe.Fasting_rs6780327	S8	FANCD2	rs149716949S5	DIAPH1	4.70E-08	1	3.87E-05	3.17E-07	1	0.000398509
phe.Fasting_rs6780327	S8	FANCD2	rs149791570S5	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs6780327	S8	FANCD2	rs150452206S13	"DIAPH1,LOC	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs150675915S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs150765570S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs150992994S11	"PCDHGA5,Pi	4.50E-07	1	0.000297756	1.56E-06	1	0.00166348
phe.Fasting_rs6780327	S8	FANCD2	rs151204700S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs151330468S8	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	0.000375916
phe.Fasting_rs6780327	S8	FANCD2	rs180772028S8	"DIAPH1,LOC	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs181224861S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs181247960S21	"PCDHGA9,Pi	6.20E-07	1	0.000397692	3.53E-06	1	0.00337922
phe.Fasting_rs6780327	S8	FANCD2	rs181824655S21	"PCDHGB6,Pi	6.20E-07	1	0.000397692	3.53E-06	1	0.00337922
phe.Fasting_rs6780327	S8	FANCD2	rs182714699S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs182958142S8	DIAPH1	2.15E-07	1	0.0001523	5.72E-06	1	0.00511188

phe.Fasting_rs6780327	S8	FANCD2	rs182965141	S8	DIAPH1	8.44E-08	1	6.55E-05	3.00E-06	1	0.00292277
phe.Fasting_rs6780327	S8	FANCD2	rs183597049	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs183980988	S2	NA	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs184233232	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs184509477	S13	"PCDHGB4,PI	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs185069296	S15	"LOC1005056	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs185502834	S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs6780327	S8	FANCD2	rs185759881	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs186288044	S21	"PCDHGB4,PI	6.20E-07	1	0.000397692	3.53E-06	1	0.00337922
phe.Fasting_rs6780327	S8	FANCD2	rs187000011	S11	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs188981295	S5	"RPS27AP10,	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs190559574	S7	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs6780327	S8	FANCD2	rs191544043	S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs191766712	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs192690040	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs192765219	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs192770525	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs6780327	S8	FANCD2	rs35990401	S7	DIAPH1	3.35E-07	1	2.30E-04	5.65E-07	1	6.69E-04
phe.Fasting_rs6780327	S8	FANCD2	rs3856797	S12	VGLL4	1.22E-05	1.00E+00	5.41E-03	6.19E-07	1	0.000728414
phe.Fasting_rs6780327	S8	FANCD2	rs55900860	S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs6780327	S8	FANCD2	rs57503635	S3	NA	3.60E-09	0.147212	3.63E-06	4.64E-17	1.89E-09	3.64E-12
phe.Fasting_rs6780327	S8	FANCD2	rs79517926	S15	"DIAPH1,LOC	1.06E-07	1	8.00E-05	2.93E-06	1	0.00287018
phe.Fasting_rs6781454	S8	PHC3	rs111576333	S5	TMEM64	2.10E-08	8.59E-01	1.85E-05	1.86E-10	0.00759018	5.33E-07
phe.Fasting_rs6781454	S8	PHC3	rs112091318	S5	TMEM64	6.37E-09	2.60E-01	6.15E-06	2.78E-10	0.0113034	7.60E-07
phe.Fasting_rs6781454	S8	PHC3	rs112348319	S8	SPTLC1	1.98E-05	1	0.00828284	7.96E-10	0.0323902	1.95E-06
phe.Fasting_rs6781454	S8	PHC3	rs112608164	S8	SPTLC1	1.98E-05	1.00E+00	8.28E-03	7.96E-10	0.0323902	1.95E-06
phe.Fasting_rs6781454	S8	PHC3	rs113568654	S12	SPTLC1	1.90E-05	1	7.97E-03	1.05E-08	0.426793	1.93E-05
phe.Fasting_rs6781454	S8	PHC3	rs114565620	S8	RCL1	2.86E-19	1.17E-11	2.40E-14	4.04E-07	1	0.000492337
phe.Fasting_rs6781454	S8	PHC3	rs115083290	S19	NA	8.98E-08	1	6.92E-05	3.42E-09	0.139166	7.15E-06
phe.Fasting_rs6781454	S8	PHC3	rs115752779	S19	NA	8.98E-08	1.00E+00	6.92E-05	3.42E-09	0.139166	7.15E-06
phe.Fasting_rs6781454	S8	PHC3	rs115888477	S8	NA	1.37E-06	1	0.000804037	8.02E-11	0.00326649	2.50E-07
phe.Fasting_rs6781454	S8	PHC3	rs116011837	S9	BRD2	2.77E-13	1.13E-05	5.95E-10	2.10E-11	0.000853749	7.39E-08
phe.Fasting_rs6781454	S8	PHC3	rs116120727	S9	BRD2	2.77E-13	1.13E-05	5.95E-10	2.10E-11	0.000853749	7.39E-08
phe.Fasting_rs6781454	S8	PHC3	rs116548615	S8	TMEM45B	5.34E-19	2.18E-11	2.49E-14	6.36E-10	0.0259048	1.60E-06
phe.Fasting_rs6781454	S8	PHC3	rs11989304	S4	TMEM64	2.10E-08	8.59E-01	1.85E-05	1.86E-10	0.00758489	5.33E-07
phe.Fasting_rs6781454	S8	PHC3	rs140524622	S7	MRPL10	2.32E-08	0.949049	2.03E-05	2.15E-06	1	0.00220681
phe.Fasting_rs6781454	S8	PHC3	rs141926074	S8	ATE1	1.26E-19	5.15E-12	2.23E-14	1.36E-11	0.00055511	4.95E-08
phe.Fasting_rs6781454	S8	PHC3	rs73392640	S8	POLR3B	6.73E-08	1	5.36E-05	9.08E-06	1	0.00754737
phe.Fasting_rs6781454	S8	PHC3	rs74627895	S8	TMEM64	6.37E-09	0.260193	6.15E-06	1.02E-06	1	0.00115421
phe.Fasting_rs6781454	S8	PHC3	rs75350765	S5	RCL1	2.86E-19	1.17E-11	2.40E-14	4.04E-07	1	0.000492337

phe.Fasting_rs6781454	S8	PHC3	rs75506779	S5	TMCO3	2.11E-09	8.63E-02	2.20E-06	2.98E-06	1	0.00291794
phe.Fasting_rs6781454	S8	PHC3	rs75949566	S5	TMEM64	2.31E-08	9.42E-01	2.01E-05	3.24E-10	0.0132	8.70E-07
phe.Fasting_rs6781454	S8	PHC3	rs76542405	S5	SPTLC1	1.98E-05	1.00E+00	8.28E-03	7.96E-10	0.0323902	1.95E-06
phe.Fasting_rs6781454	S8	PHC3	rs77523818	S7	SPTLC1	1.98E-05	1.00E+00	8.28E-03	7.96E-10	0.0323902	1.95E-06
phe.Fasting_rs6781454	S8	PHC3	rs7763107	S8	FARS2	1.31E-09	5.37E-02	1.42E-06	2.46E-06	1	0.0024697
phe.Fasting_rs6781454	S8	PHC3	rs77845645	S21	NA	1.00E-08	0.410117	9.35E-06	9.87E-13	4.02E-05	4.68E-09
phe.Fasting_rs6781454	S8	PHC3	rs78990344	S2	LOC1005063	2.10E-08	8.59E-01	1.85E-05	1.86E-10	0.00758489	5.33E-07
phe.Fasting_rs6786022	S8	PHC3	rs111576333	S5	TMEM64	3.41E-08	1.00E+00	2.89E-05	8.51E-10	0.034621	2.05E-06
phe.Fasting_rs6786022	S8	PHC3	rs112091318	S5	TMEM64	1.01E-08	0.412089	9.40E-06	1.27E-09	0.0517029	2.93E-06
phe.Fasting_rs6786022	S8	PHC3	rs114565620	S8	RCL1	3.53E-19	1.44E-11	2.40E-14	1.19E-06	1	1.32E-03
phe.Fasting_rs6786022	S8	PHC3	rs115083290	S19	NA	2.80E-06	1.00E+00	1.49E-03	4.08E-09	0.165931	8.36E-06
phe.Fasting_rs6786022	S8	PHC3	rs115752779	S19	NA	2.80E-06	1	1.49E-03	4.08E-09	0.165931	8.36E-06
phe.Fasting_rs6786022	S8	PHC3	rs116011837	S9	BRD2	4.93E-13	2.01E-05	1.04E-09	2.60E-11	0.0010602	8.99E-08
phe.Fasting_rs6786022	S8	PHC3	rs116120727	S9	BRD2	4.93E-13	2.01E-05	1.04E-09	2.60E-11	0.0010602	8.99E-08
phe.Fasting_rs6786022	S8	PHC3	rs116548615	S8	TMEM45B	9.13E-09	3.73E-01	8.60E-06	2.32E-09	0.0942588	5.04E-06
phe.Fasting_rs6786022	S8	PHC3	rs11989304	S4	TMEM64	3.41E-08	1.00E+00	2.89E-05	8.55E-10	0.0347858	2.06E-06
phe.Fasting_rs6786022	S8	PHC3	rs140524622	S7	MRPL10	3.46E-08	1.00E+00	2.93E-05	2.64E-06	1	2.62E-03
phe.Fasting_rs6786022	S8	PHC3	rs141926074	S8	ATE1	7.17E-07	1.00E+00	4.52E-04	1.68E-11	0.000683787	6.02E-08
phe.Fasting_rs6786022	S8	PHC3	rs57287019	S5	CLCN3	1.13E-05	1.00E+00	5.11E-03	5.28E-06	1	0.00479294
phe.Fasting_rs6786022	S8	PHC3	rs73392640	S8	POLR3B	2.93E-06	1.00E+00	1.55E-03	1.05E-05	1	0.00854924
phe.Fasting_rs6786022	S8	PHC3	rs74627895	S8	TMEM64	1.01E-08	0.412089	9.40E-06	1.60E-06	1	1.71E-03
phe.Fasting_rs6786022	S8	PHC3	rs75350765	S5	RCL1	3.53E-19	1.44E-11	2.40E-14	1.19E-06	1	0.00132234
phe.Fasting_rs6786022	S8	PHC3	rs75949566	S5	TMEM64	3.74E-08	1.00E+00	3.15E-05	3.93E-10	0.015993	1.04E-06
phe.Fasting_rs6786022	S8	PHC3	rs7657672	S8	CLCN3	1.36E-05	1	0.00597592	2.04E-06	1	0.00210582
phe.Fasting_rs6786022	S8	PHC3	rs77845645	S21	NA	7.00E-08	1.00E+00	5.55E-05	1.20E-12	4.88E-05	5.52E-09
phe.Fasting_rs6786022	S8	PHC3	rs78990344	S2	LOC1005063	3.41E-08	1.00E+00	2.89E-05	8.55E-10	0.0347858	2.06E-06
phe.Fasting_rs6808506	S7	PHC3	rs111576333	S5	TMEM64	2.07E-08	8.44E-01	1.82E-05	2.31E-10	0.00941342	6.43E-07
phe.Fasting_rs6808506	S7	PHC3	rs112091318	S5	TMEM64	6.28E-09	2.57E-01	6.07E-06	3.37E-10	0.013698	8.96E-07
phe.Fasting_rs6808506	S7	PHC3	rs112348319	S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs6808506	S7	PHC3	rs112608164	S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs6808506	S7	PHC3	rs113568654	S12	SPTLC1	1.84E-05	1	7.76E-03	1.04E-08	0.421423	1.91E-05
phe.Fasting_rs6808506	S7	PHC3	rs114565620	S8	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	4.90E-04
phe.Fasting_rs6808506	S7	PHC3	rs115083290	S19	NA	8.85E-08	1.00E+00	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_rs6808506	S7	PHC3	rs115752779	S19	NA	8.85E-08	1.00E+00	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_rs6808506	S7	PHC3	rs115888477	S8	NA	1.34E-06	1.00E+00	7.91E-04	7.82E-11	0.00318365	2.44E-07
phe.Fasting_rs6808506	S7	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs6808506	S7	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs6808506	S7	PHC3	rs116548615	S8	TMEM45B	5.29E-19	2.16E-11	2.49E-14	7.92E-10	0.0322544	1.95E-06
phe.Fasting_rs6808506	S7	PHC3	rs11989304	S4	TMEM64	2.07E-08	8.44E-01	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs6808506	S7	PHC3	rs140524622	S7	MRPL10	2.30E-08	9.39E-01	2.01E-05	2.14E-06	1	0.00219216

phe.Fasting_rs6808506	S7	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs6808506	S7	PHC3	rs73392640	S8	POLR3B	6.58E-08	1.00E+00	5.26E-05	8.97E-06	1	0.00747055
phe.Fasting_rs6808506	S7	PHC3	rs74627895	S8	TMEM64	6.28E-09	2.57E-01	6.07E-06	1.27E-06	1	0.00139909
phe.Fasting_rs6808506	S7	PHC3	rs75350765	S5	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	0.000489631
phe.Fasting_rs6808506	S7	PHC3	rs75506779	S5	TMCO3	7.38E-14	3.01E-06	1.70E-10	3.50E-06	1	0.00334821
phe.Fasting_rs6808506	S7	PHC3	rs75949566	S5	TMEM64	2.26E-08	0.923876	1.98E-05	3.24E-10	0.0132	8.70E-07
phe.Fasting_rs6808506	S7	PHC3	rs76542405	S5	SPTLC1	1.92E-05	1	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs6808506	S7	PHC3	rs77523818	S7	SPTLC1	1.92E-05	1	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs6808506	S7	PHC3	rs7763107	S8	FARS2	1.30E-09	0.0532742	1.41E-06	2.87E-06	1	0.00281845
phe.Fasting_rs6808506	S7	PHC3	rs77845645	S21	NA	9.87E-09	4.03E-01	9.22E-06	9.90E-13	4.03E-05	4.68E-09
phe.Fasting_rs6808506	S7	PHC3	rs78990344	S2	LOC1005063	2.07E-08	0.844108	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs6822970	S8	NEK1	rs112027720	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs112089881	S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	5.67E-09	0.230592	1.11E-05
phe.Fasting_rs6822970	S8	NEK1	rs113219478	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs6822970	S8	NEK1	rs115787552	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	0.000281471
phe.Fasting_rs6822970	S8	NEK1	rs115888477	S8	NA	2.70E-15	1.10E-07	7.57E-12	1.63E-08	0.66442	2.86E-05
phe.Fasting_rs6822970	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs6822970	S8	NEK1	rs116079984	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.52E-07	1	0.000325188
phe.Fasting_rs6822970	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs6822970	S8	NEK1	rs116279995	S20	"PCDHGA4,PI	2.15E-05	1.00E+00	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_rs6822970	S8	NEK1	rs138090701	S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	1.29E-08	0.523399	2.33E-05
phe.Fasting_rs6822970	S8	NEK1	rs138136869	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6822970	S8	NEK1	rs138457103	S10	DIAPH1	5.43E-12	0.000221795	9.60E-09	2.09E-08	0.850097	3.57E-05
phe.Fasting_rs6822970	S8	NEK1	rs138487229	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs138738950	S8	"PCDHGB2,PI	9.17E-12	3.74E-04	1.48E-08	2.22E-08	0.904374	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs139297927	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs139337303	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs139403963	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6822970	S8	NEK1	rs139621309	S18	"LOC100505	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs139828110	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6822970	S8	NEK1	rs140070363	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs140644750	S13	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs141022544	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs141525984	S5	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs141926074	S8	ATE1	1.33E-06	1.00E+00	7.83E-04	1.98E-14	8.07E-07	1.59E-10
phe.Fasting_rs6822970	S8	NEK1	rs142480565	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs142718558	S7	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs142789100	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6822970	S8	NEK1	rs142812798	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06



phe.Fasting_	rs6822970	S8	NEK1	rs143377827 S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	2.57E-09	0.104505	5.52E-06
phe.Fasting_	rs6822970	S8	NEK1	rs143691978 S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_	rs6822970	S8	NEK1	rs144081334 S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_	rs6822970	S8	NEK1	rs144613910 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs145027704 S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_	rs6822970	S8	NEK1	rs146220673 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs146622060 S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_	rs6822970	S8	NEK1	rs146815317 S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	0.000281471
phe.Fasting_	rs6822970	S8	NEK1	rs146878162 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs1470889 S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_	rs6822970	S8	NEK1	rs1470890 S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	6.78E-07	1	7.92E-04
phe.Fasting_	rs6822970	S8	NEK1	rs147314451 S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs147417996 S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_	rs6822970	S8	NEK1	rs147506725 S21	"PCDHGA1,Pi	2.15E-05	1.00E+00	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_	rs6822970	S8	NEK1	rs147646948 S7	"LOC100505056	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs147677041 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_	rs6822970	S8	NEK1	rs148116628 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs148423011 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs149019627 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_	rs6822970	S8	NEK1	rs149075406 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs149334783 S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs149553852 S21	"PCDHGA10,	2.15E-05	1.00E+00	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_	rs6822970	S8	NEK1	rs149716949 S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	2.72E-09	0.110842	5.82E-06
phe.Fasting_	rs6822970	S8	NEK1	rs149791570 S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_	rs6822970	S8	NEK1	rs150117838 S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	0.000270369
phe.Fasting_	rs6822970	S8	NEK1	rs150452206 S13	"DIAPH1,LOC	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs150675915 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs150765570 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs150992994 S11	"PCDHGA5,Pi	9.47E-12	3.87E-04	1.52E-08	2.14E-08	0.869105	3.65E-05
phe.Fasting_	rs6822970	S8	NEK1	rs151204700 S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs151330468 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_	rs6822970	S8	NEK1	rs16894241 S4	HIST1H2BK	5.24E-08	1	4.28E-05	5.37E-07	1	0.000638437
phe.Fasting_	rs6822970	S8	NEK1	rs180772028 S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs181224861 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs181247960 S21	"PCDHGA9,Pi	2.15E-05	1	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_	rs6822970	S8	NEK1	rs181824655 S21	"PCDHGB6,Pi	2.15E-05	1	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_	rs6822970	S8	NEK1	rs182714699 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs182965141 S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	1.71E-09	0.0696833	3.83E-06
phe.Fasting_	rs6822970	S8	NEK1	rs183597049 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_	rs6822970	S8	NEK1	rs183980988 S2	NA	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05

phe.Fasting_rs6822970	S8	NEK1	rs184233232 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs184509477 S13	"PCDHGB4,PI	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs185069296 S15	"LOC1005056	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs185502834 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6822970	S8	NEK1	rs185759881 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs186288044 S21	"PCDHGB4,PI	2.15E-05	1.00E+00	8.87E-03	2.34E-07	1	3.04E-04
phe.Fasting_rs6822970	S8	NEK1	rs187000011 S11	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs188981295 S5	"RPS27AP10,	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs190559574 S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6822970	S8	NEK1	rs191544043 S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs191766712 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs192690040 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs192765219 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs192770525 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs6822970	S8	NEK1	rs2924507 S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs6822970	S8	NEK1	rs2924508 S8	ZC3H3	3.60E-08	1.00E+00	3.04E-05	9.52E-07	1	1.08E-03
phe.Fasting_rs6822970	S8	NEK1	rs2924511 S7	ZC3H3	3.60E-08	1	3.04E-05	5.76E-07	1	0.000680958
phe.Fasting_rs6822970	S8	NEK1	rs2924512 S7	ZC3H3	4.02E-08	1.00E+00	3.37E-05	7.17E-07	1	0.00083355
phe.Fasting_rs6822970	S8	NEK1	rs2956376 S8	ZC3H3	3.60E-08	1.00E+00	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs6822970	S8	NEK1	rs2980270 S7	ZC3H3	3.60E-08	1.00E+00	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs6822970	S8	NEK1	rs2980272 S7	ZC3H3	4.02E-08	1.00E+00	3.37E-05	7.52E-07	1	0.000869902
phe.Fasting_rs6822970	S8	NEK1	rs2980275 S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs6822970	S8	NEK1	rs35990401 S7	DIAPH1	8.40E-12	3.43E-04	1.39E-08	8.38E-09	0.340996	1.59E-05
phe.Fasting_rs6822970	S8	NEK1	rs366767 S5	ZC3H3	6.34E-08	1.00E+00	5.08E-05	4.19E-07	1	0.000508745
phe.Fasting_rs6822970	S8	NEK1	rs55900860 S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs6822970	S8	NEK1	rs6881310 S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs6822970	S8	NEK1	rs73619637 S8	NA	1.02E-16	1.45E-09	4.31E-13	1.35E-08	0.549186	2.43E-05
phe.Fasting_rs6822970	S8	NEK1	rs77444916 S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs6822970	S8	NEK1	rs77798597 S7	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	0.000270369
phe.Fasting_rs6822970	S8	NEK1	rs78703708 S7	FAF2	9.25E-18	3.78E-10	9.24E-14	2.08E-07	1	0.000273911
phe.Fasting_rs6822970	S8	NEK1	rs78736524 S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	0.000281471
phe.Fasting_rs6822970	S8	NEK1	rs79517926 S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	2.29E-09	0.0931701	4.98E-06
phe.Fasting_rs6822970	S8	NEK1	rs79781495 S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	0.000270369
phe.Fasting_rs6822970	S8	NEK1	rs80258830 S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs6822970	S8	NEK1	rs80332465 S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.14E-07	1	0.000280922
phe.Fasting_rs6822970	S8	NEK1	rs80334773 S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.14E-07	1	0.000280922
phe.Fasting_rs6829220	S20	NEK1	rs112027720 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs112089881 S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	2.77E-09	0.112698	5.90E-06
phe.Fasting_rs6829220	S20	NEK1	rs113219478 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs113357907 S24	ISL1	6.12E-18	2.50E-10	7.50E-14	4.03E-16	1.64E-08	1.16E-11

phe.Fasting_rs6829220	S20	NEK1	rs115888477 S8	NA	2.70E-15	1.10E-07	7.57E-12	2.67E-06	1	0.00264447
phe.Fasting_rs6829220	S20	NEK1	rs116011837 S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs6829220	S20	NEK1	rs116120727 S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs6829220	S20	NEK1	rs116279995 S20	"PCDHGA4,PI	2.15E-05	1.00E+00	8.87E-03	9.47E-08	1	0.000134747
phe.Fasting_rs6829220	S20	NEK1	rs138090701 S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	4.63E-09	0.188358	9.27E-06
phe.Fasting_rs6829220	S20	NEK1	rs138136869 S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs6829220	S20	NEK1	rs138457103 S10	DIAPH1	5.43E-12	2.22E-04	9.60E-09	9.11E-09	0.370794	1.72E-05
phe.Fasting_rs6829220	S20	NEK1	rs138487229 S11	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs138738950 S8	"PCDHGB2,PI	9.17E-12	3.74E-04	1.48E-08	9.66E-09	0.393262	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs139297927 S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs139337303 S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs139403963 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs6829220	S20	NEK1	rs139621309 S18	"LOC1005056	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs139828110 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs6829220	S20	NEK1	rs140070363 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs140644750 S13	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs141022544 S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs141525984 S5	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs141926074 S8	ATE1	1.33E-06	1	0.000783423	7.93E-15	3.23E-07	7.00E-11
phe.Fasting_rs6829220	S20	NEK1	rs142480565 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs142718558 S7	"DIAPH1,LOC	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs142789100 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs6829220	S20	NEK1	rs142812798 S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs6829220	S20	NEK1	rs143377827 S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	1.02E-09	0.0416914	2.43E-06
phe.Fasting_rs6829220	S20	NEK1	rs143691978 S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs6829220	S20	NEK1	rs144081334 S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs6829220	S20	NEK1	rs144613910 S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs145027704 S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs6829220	S20	NEK1	rs146220673 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs146622060 S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs6829220	S20	NEK1	rs146878162 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs1470889 S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs6829220	S20	NEK1	rs1470890 S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs6829220	S20	NEK1	rs147314451 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs147417996 S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs6829220	S20	NEK1	rs147506725 S21	"PCDHGA1,PI	2.15E-05	1	8.87E-03	9.47E-08	1	0.000134747
phe.Fasting_rs6829220	S20	NEK1	rs147646948 S7	"LOC1005056	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs147677041 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs6829220	S20	NEK1	rs148116628 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs148423011 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05

phe.Fasting_rs6829220	S20	NEK1	rs149019627 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs6829220	S20	NEK1	rs149075406 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs149334783 S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs149553852 S21	"PCDHGA10,I	2.15E-05	1.00E+00	8.87E-03	9.47E-08	1	0.000134747
phe.Fasting_rs6829220	S20	NEK1	rs149716949 S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	1.12E-09	0.0455921	2.64E-06
phe.Fasting_rs6829220	S20	NEK1	rs149791570 S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs6829220	S20	NEK1	rs150452206 S13	"DIAPH1,LOC	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs150675915 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs150765570 S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs150992994 S11	"PCDHGA5,PI	9.47E-12	3.87E-04	1.52E-08	9.38E-09	0.381964	1.77E-05
phe.Fasting_rs6829220	S20	NEK1	rs151204700 S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs151330468 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs6829220	S20	NEK1	rs16894241 S4	HIST1H2BK	5.24E-08	1	4.28E-05	2.86E-07	1	0.000363243
phe.Fasting_rs6829220	S20	NEK1	rs180772028 S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs181224861 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs181247960 S21	"PCDHGA9,PI	2.15E-05	1	0.00887266	9.47E-08	1	0.000134747
phe.Fasting_rs6829220	S20	NEK1	rs181824655 S21	"PCDHGB6,PI	2.15E-05	1	8.87E-03	9.47E-08	1	0.000134747
phe.Fasting_rs6829220	S20	NEK1	rs182714699 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs182965141 S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	6.50E-10	0.0264673	1.63E-06
phe.Fasting_rs6829220	S20	NEK1	rs183597049 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs183980988 S2	NA	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs184233232 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs184509477 S13	"PCDHGB4,PI	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs185069296 S15	"LOC1005050	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs185502834 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs6829220	S20	NEK1	rs185759881 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs186288044 S21	"PCDHGB4,PI	2.15E-05	1	0.00887266	9.47E-08	1	0.000134747
phe.Fasting_rs6829220	S20	NEK1	rs187000011 S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs188981295 S5	"RPS27AP10,	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs190559574 S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs6829220	S20	NEK1	rs191544043 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs191766712 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs192690040 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs192765219 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs192770525 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs6829220	S20	NEK1	rs2924507 S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs6829220	S20	NEK1	rs2924508 S8	ZC3H3	3.60E-08	1	3.04E-05	9.52E-07	1	0.00108069
phe.Fasting_rs6829220	S20	NEK1	rs2924511 S7	ZC3H3	3.60E-08	1	3.04E-05	5.76E-07	1	0.000680958
phe.Fasting_rs6829220	S20	NEK1	rs2924512 S7	ZC3H3	4.02E-08	1	3.37E-05	7.17E-07	1	0.00083355
phe.Fasting_rs6829220	S20	NEK1	rs2956376 S8	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	0.000476148

phe.Fasting_rs6829220	S20	NEK1	rs2980270	S7	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs6829220	S20	NEK1	rs2980272	S7	ZC3H3	4.02E-08	1	3.37E-05	7.52E-07	1	0.000869902
phe.Fasting_rs6829220	S20	NEK1	rs2980275	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs6829220	S20	NEK1	rs35990401	S7	DIAPH1	8.40E-12	0.000343123	1.39E-08	3.62E-09	0.147164	7.50E-06
phe.Fasting_rs6829220	S20	NEK1	rs366767	S5	ZC3H3	6.34E-08	1	5.08E-05	4.19E-07	1	0.000508745
phe.Fasting_rs6829220	S20	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs6829220	S20	NEK1	rs57503635	S3	NA	7.93E-17	3.24E-09	3.50E-13	1.02E-05	1	8.32E-03
phe.Fasting_rs6829220	S20	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	8.72E-13	3.55E-05	4.15E-09
phe.Fasting_rs6829220	S20	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	6.10E-09	0.248478	1.19E-05
phe.Fasting_rs6829220	S20	NEK1	rs73794928	S13	"PCDHGA9,PI	1.55E-05	1	6.66E-03	1.19E-05	1	0.0093559
phe.Fasting_rs6829220	S20	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_rs6829220	S20	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	7.48E-08	1	0.000109374
phe.Fasting_rs6829220	S20	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	8.36E-10	0.0340091	2.03E-06
phe.Fasting_rs6829220	S20	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_rs6881310	S23	ISL1	rs111576333	S5	TMEM64	1.08E-16	4.40E-09	4.54E-13	2.77E-12	0.000112791	1.18E-08
phe.Fasting_rs6881310	S23	ISL1	rs112027720	S7	DIAPH1	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs112091318	S5	TMEM64	3.20E-17	1.31E-09	1.80E-13	3.90E-12	0.000158821	1.61E-08
phe.Fasting_rs6881310	S23	ISL1	rs113219478	S7	DIAPH1	1.55E-05	1	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs113568654	S12	SPTLC1	5.06E-07	1	3.32E-04	1.74E-07	1	2.34E-04
phe.Fasting_rs6881310	S23	ISL1	rs114334325	S7	AP3M2	2.20E-15	9.00E-08	6.24E-12	2.75E-07	1	0.000350345
phe.Fasting_rs6881310	S23	ISL1	rs114394395	S7	AP3M2	2.36E-15	9.64E-08	6.64E-12	2.75E-07	1	0.000350345
phe.Fasting_rs6881310	S23	ISL1	rs114565620	S8	RCL1	7.36E-17	3.01E-09	3.30E-13	5.29E-16	2.16E-08	1.16E-11
phe.Fasting_rs6881310	S23	ISL1	rs115083290	S19	NA	4.28E-06	1	0.00216927	9.56E-11	0.0038905	2.93E-07
phe.Fasting_rs6881310	S23	ISL1	rs115305957	S23	NA	2.01E-07	1	1.43E-04	2.61E-09	0.106209	5.60E-06
phe.Fasting_rs6881310	S23	ISL1	rs115752779	S19	NA	4.28E-06	1	0.00216927	9.56E-11	0.0038905	2.93E-07
phe.Fasting_rs6881310	S23	ISL1	rs115787552	S5	KPNA3	7.90E-16	3.23E-08	2.39E-12	5.45E-11	0.00221813	1.75E-07
phe.Fasting_rs6881310	S23	ISL1	rs115888477	S8	NA	5.37E-15	2.19E-07	1.40E-11	7.87E-12	0.000320516	2.98E-08
phe.Fasting_rs6881310	S23	ISL1	rs116011837	S9	BRD2	6.72E-17	2.74E-09	3.07E-13	2.73E-12	0.000111142	1.17E-08
phe.Fasting_rs6881310	S23	ISL1	rs116079984	S8	KPNA3	7.90E-16	3.23E-08	2.39E-12	6.53E-11	0.00265964	2.06E-07
phe.Fasting_rs6881310	S23	ISL1	rs116120727	S9	BRD2	6.72E-17	2.74E-09	3.07E-13	2.73E-12	0.000111142	1.17E-08
phe.Fasting_rs6881310	S23	ISL1	rs116279995	S20	"PCDHGA4,PI	2.58E-06	1	1.39E-03	1.32E-13	5.39E-06	7.72E-10
phe.Fasting_rs6881310	S23	ISL1	rs116406581	S2	NA	8.99E-15	3.67E-07	2.30E-11	1.75E-07	1	0.000235894
phe.Fasting_rs6881310	S23	ISL1	rs116696844	S3	AP3M2	3.39E-15	1.39E-07	9.20E-12	2.75E-07	1	0.000350345
phe.Fasting_rs6881310	S23	ISL1	rs11989304	S4	TMEM64	1.08E-16	4.40E-09	4.54E-13	2.68E-12	0.000109081	1.15E-08
phe.Fasting_rs6881310	S23	ISL1	rs138090701	S5	HDAC3	2.59E-06	1	1.40E-03	1.46E-14	5.94E-07	1.23E-10
phe.Fasting_rs6881310	S23	ISL1	rs138136869	S7	DIAPH1	4.12E-06	1	0.00210112	3.76E-15	1.53E-07	3.56E-11
phe.Fasting_rs6881310	S23	ISL1	rs138457103	S10	DIAPH1	9.64E-06	1	0.0044265	1.57E-14	6.40E-07	1.32E-10
phe.Fasting_rs6881310	S23	ISL1	rs138487229	S11	DIAPH1	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs138738950	S8	"PCDHGB2,PI	1.55E-05	1	0.00665749	1.71E-14	6.97E-07	1.41E-10
phe.Fasting_rs6881310	S23	ISL1	rs139297927	S8	DIAPH1	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10

phe.Fasting_	rs6881310	S23	ISL1	rs139337303	S8	DIAPH1	1.55E-05	1	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs139403963	S8	DIAPH1	4.12E-06	1	0.00210112	3.76E-15	1.53E-07	3.56E-11
phe.Fasting_	rs6881310	S23	ISL1	rs139621309	S18	"LOC1005056	1.55E-05	1	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs139828110	S8	DIAPH1	4.12E-06	1	0.00210112	3.76E-15	1.53E-07	3.56E-11
phe.Fasting_	rs6881310	S23	ISL1	rs140070363	S8	DIAPH1	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs140524622	S7	MRPL10	9.43E-07	1	5.75E-04	6.92E-12	0.000281768	2.66E-08
phe.Fasting_	rs6881310	S23	ISL1	rs140644750	S13	DIAPH1	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs141022544	S8	DIAPH1	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs141525984	S5	DIAPH1	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs141692339	S3	"PCDHGA6,Pi	3.14E-06	1	0.00164966	1.87E-13	7.63E-06	1.05E-09
phe.Fasting_	rs6881310	S23	ISL1	rs141926074	S8	ATE1	1.62E-17	6.61E-10	1.24E-13	9.17E-15	3.73E-07	8.00E-11
phe.Fasting_	rs6881310	S23	ISL1	rs142480565	S8	DIAPH1	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs142718558	S7	"DIAPH1,LOC	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs142789100	S8	DIAPH1	4.12E-06	1	0.00210112	3.76E-15	1.53E-07	3.56E-11
phe.Fasting_	rs6881310	S23	ISL1	rs142812798	S7	DIAPH1	4.12E-06	1	0.00210112	3.76E-15	1.53E-07	3.56E-11
phe.Fasting_	rs6881310	S23	ISL1	rs143377827	S13	"DIAPH1,LOC	4.23E-06	1	0.00215017	3.10E-15	1.26E-07	2.98E-11
phe.Fasting_	rs6881310	S23	ISL1	rs143691978	S11	DIAPH1	4.12E-06	1	0.00210112	4.03E-15	1.64E-07	3.77E-11
phe.Fasting_	rs6881310	S23	ISL1	rs144081334	S11	DIAPH1	4.12E-06	1	0.00210112	4.03E-15	1.64E-07	3.77E-11
phe.Fasting_	rs6881310	S23	ISL1	rs144613910	S8	DIAPH1	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs145027704	S11	DIAPH1	4.12E-06	1	0.00210112	4.03E-15	1.64E-07	3.77E-11
phe.Fasting_	rs6881310	S23	ISL1	rs146220673	S7	DIAPH1	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs146622060	S13	DIAPH1	4.12E-06	1.00E+00	2.10E-03	4.03E-15	1.64E-07	3.77E-11
phe.Fasting_	rs6881310	S23	ISL1	rs146815317	S5	KPNA3	7.90E-16	3.23E-08	2.39E-12	5.45E-11	0.00221813	1.75E-07
phe.Fasting_	rs6881310	S23	ISL1	rs146878162	S7	DIAPH1	1.55E-05	1	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs1470889	S5	ZC3H3	7.81E-08	1.00E+00	6.10E-05	3.45E-09	0.140598	7.21E-06
phe.Fasting_	rs6881310	S23	ISL1	rs1470890	S5	ZC3H3	7.81E-08	1.00E+00	6.10E-05	3.45E-09	0.140598	7.21E-06
phe.Fasting_	rs6881310	S23	ISL1	rs147314451	S8	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs147417996	S7	DIAPH1	4.12E-06	1.00E+00	2.10E-03	4.03E-15	1.64E-07	3.77E-11
phe.Fasting_	rs6881310	S23	ISL1	rs147506725	S21	"PCDHGA1,Pi	2.58E-06	1.00E+00	1.39E-03	1.32E-13	5.39E-06	7.72E-10
phe.Fasting_	rs6881310	S23	ISL1	rs147646948	S7	"LOC1005056	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs147677041	S8	DIAPH1	4.12E-06	1.00E+00	2.10E-03	3.76E-15	1.53E-07	3.56E-11
phe.Fasting_	rs6881310	S23	ISL1	rs148116628	S7	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs148423011	S7	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs149019627	S8	DIAPH1	4.12E-06	1.00E+00	2.10E-03	3.76E-15	1.53E-07	3.56E-11
phe.Fasting_	rs6881310	S23	ISL1	rs149075406	S8	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs149334783	S8	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_	rs6881310	S23	ISL1	rs149553852	S21	"PCDHGA10,I	2.58E-06	1.00E+00	1.39E-03	1.32E-13	5.39E-06	7.72E-10
phe.Fasting_	rs6881310	S23	ISL1	rs149716949	S5	DIAPH1	2.39E-06	1	1.30E-03	1.64E-15	6.69E-08	1.83E-11
phe.Fasting_	rs6881310	S23	ISL1	rs149791570	S5	DIAPH1	4.12E-06	1	0.00210112	3.76E-15	1.53E-07	3.56E-11
phe.Fasting_	rs6881310	S23	ISL1	rs150117838	S8	KPNA3	7.90E-16	3.23E-08	2.39E-12	5.14E-11	0.00209292	1.66E-07

phe.Fasting_rs6881310	S23	ISL1	rs150452206S13	"DIAPH1,LOC	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs150675915S7	DIAPH1	1.55E-05	1	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs150765570S7	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs150916187S4	HIST1H2BK	3.36E-07	1.00E+00	2.30E-04	1.34E-09	0.0545788	3.07E-06
phe.Fasting_rs6881310	S23	ISL1	rs150992994S11	"PCDHGA5,PI	1.54E-05	1.00E+00	6.65E-03	3.21E-13	1.31E-05	1.75E-09
phe.Fasting_rs6881310	S23	ISL1	rs151204700S8	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs151330468S8	DIAPH1	4.12E-06	1.00E+00	2.10E-03	4.03E-15	1.64E-07	3.77E-11
phe.Fasting_rs6881310	S23	ISL1	rs16894241 S4	HIST1H2BK	5.28E-07	1.00E+00	3.45E-04	1.87E-09	0.0761417	4.15E-06
phe.Fasting_rs6881310	S23	ISL1	rs16908547 S8	PAG1	7.25E-09	0.296014	6.95E-06	2.89E-06	1	0.00283884
phe.Fasting_rs6881310	S23	ISL1	rs180772028S8	"DIAPH1,LOC	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs181224861S7	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs181247960S21	"PCDHGA9,PI	2.58E-06	1	0.00139467	1.32E-13	5.39E-06	7.72E-10
phe.Fasting_rs6881310	S23	ISL1	rs181824655S21	"PCDHGB6,PI	2.58E-06	1.00E+00	1.39E-03	1.32E-13	5.39E-06	7.72E-10
phe.Fasting_rs6881310	S23	ISL1	rs182714699S8	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs182958142S8	DIAPH1	9.56E-06	1	4.39E-03	2.93E-13	1.19E-05	1.60E-09
phe.Fasting_rs6881310	S23	ISL1	rs182965141S8	DIAPH1	4.49E-06	1	0.00226769	9.21E-16	3.75E-08	1.16E-11
phe.Fasting_rs6881310	S23	ISL1	rs183597049S7	DIAPH1	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs183980988S2	NA	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs184233232S7	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs184509477S13	"PCDHGB4,PI	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs185069296S15	"LOC1005056	1.55E-05	1	0.00665749	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs185502834S8	DIAPH1	4.12E-06	1.00E+00	2.10E-03	3.76E-15	1.53E-07	3.56E-11
phe.Fasting_rs6881310	S23	ISL1	rs185759881S7	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs186288044S21	"PCDHGB4,PI	2.58E-06	1.00E+00	1.39E-03	1.32E-13	5.39E-06	7.72E-10
phe.Fasting_rs6881310	S23	ISL1	rs187000011S11	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs188981295S5	"RPS27AP10,	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs190559574S7	DIAPH1	4.12E-06	1.00E+00	2.10E-03	3.76E-15	1.53E-07	3.56E-11
phe.Fasting_rs6881310	S23	ISL1	rs191544043S8	DIAPH1	1.55E-05	1.00E+00	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs191766712S7	DIAPH1	1.55E-05	1	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs192690040S7	DIAPH1	1.55E-05	1	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs192765219S7	DIAPH1	1.55E-05	1	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs192770525S7	DIAPH1	1.55E-05	1	6.66E-03	1.69E-14	6.89E-07	1.40E-10
phe.Fasting_rs6881310	S23	ISL1	rs2285645 S7	MTMR3	5.57E-07	1	3.62E-04	2.92E-12	0.000118705	1.24E-08
phe.Fasting_rs6881310	S23	ISL1	rs2924507 S5	ZC3H3	7.81E-08	1	6.10E-05	3.45E-09	0.140598	7.21E-06
phe.Fasting_rs6881310	S23	ISL1	rs2924508 S8	ZC3H3	7.81E-08	1.00E+00	6.10E-05	5.14E-09	0.209184	1.02E-05
phe.Fasting_rs6881310	S23	ISL1	rs2924511 S7	ZC3H3	7.81E-08	1	6.10E-05	3.04E-09	0.123648	6.44E-06
phe.Fasting_rs6881310	S23	ISL1	rs2924512 S7	ZC3H3	8.33E-08	1	6.47E-05	3.71E-09	0.151154	7.67E-06
phe.Fasting_rs6881310	S23	ISL1	rs2956376 S8	ZC3H3	7.81E-08	1	6.10E-05	1.96E-09	0.0798564	4.34E-06
phe.Fasting_rs6881310	S23	ISL1	rs2980270 S7	ZC3H3	7.81E-08	1	6.10E-05	1.96E-09	0.0798564	4.34E-06
phe.Fasting_rs6881310	S23	ISL1	rs2980272 S7	ZC3H3	8.33E-08	1.00E+00	6.47E-05	3.94E-09	0.160402	8.10E-06

phe.Fasting_rs6881310	S23	ISL1	rs2980275	S5	ZC3H3	7.81E-08	1.00E+00	6.10E-05	3.45E-09	0.140598	7.21E-06
phe.Fasting_rs6881310	S23	ISL1	rs34801978	S3	HOXB2	3.28E-06	1	0.00171478	2.16E-06	1	0.00221464
phe.Fasting_rs6881310	S23	ISL1	rs35990401	S7	DIAPH1	1.35E-05	1.00E+00	5.93E-03	6.19E-15	2.52E-07	5.60E-11
phe.Fasting_rs6881310	S23	ISL1	rs366767	S5	ZC3H3	1.16E-07	1.00E+00	8.72E-05	2.08E-09	0.084631	4.58E-06
phe.Fasting_rs6881310	S23	ISL1	rs55900860	S7	DIAPH1	4.12E-06	1.00E+00	2.10E-03	3.76E-15	1.53E-07	3.56E-11
phe.Fasting_rs6881310	S23	ISL1	rs57503635	S3	NA	1.73E-12	7.08E-05	3.32E-09	7.11E-11	0.00289423	2.23E-07
phe.Fasting_rs6881310	S23	ISL1	rs60011869	S16	NA	2.76E-06	1.00E+00	1.47E-03	3.06E-12	0.000124556	1.30E-08
phe.Fasting_rs6881310	S23	ISL1	rs7004597	S8	NA	2.20E-15	9.00E-08	6.24E-12	1.64E-07	1	0.000221462
phe.Fasting_rs6881310	S23	ISL1	rs7256517	S7	CYTH2	9.67E-07	1	5.88E-04	8.17E-16	3.33E-08	1.16E-11
phe.Fasting_rs6881310	S23	ISL1	rs73283603	S7	ZWINT	2.97E-16	1.21E-08	9.90E-13	5.59E-16	2.27E-08	1.16E-11
phe.Fasting_rs6881310	S23	ISL1	rs73392640	S8	POLR3B	4.53E-16	1.85E-08	1.45E-12	2.41E-07	1	0.00031174
phe.Fasting_rs6881310	S23	ISL1	rs73794928	S13	"PCDHGA9,Pi	4.13E-06	1	0.00210495	2.99E-14	1.22E-06	2.23E-10
phe.Fasting_rs6881310	S23	ISL1	rs74627895	S8	TMEM64	3.20E-17	1.31E-09	1.80E-13	2.24E-08	0.913467	3.76E-05
phe.Fasting_rs6881310	S23	ISL1	rs74701059	S24	C17orf102	1.98E-07	1	0.000140938	2.82E-09	0.114682	5.99E-06
phe.Fasting_rs6881310	S23	ISL1	rs74914207	S24	NA	1.41E-11	0.000575814	2.18E-08	3.92E-08	1	6.15E-05
phe.Fasting_rs6881310	S23	ISL1	rs75350765	S5	RCL1	7.36E-17	3.01E-09	3.30E-13	5.29E-16	2.16E-08	1.16E-11
phe.Fasting_rs6881310	S23	ISL1	rs75374128	S5	CNTLN	3.35E-17	1.37E-09	1.87E-13	1.33E-07	1	0.000182869
phe.Fasting_rs6881310	S23	ISL1	rs75758702	S24	NA	1.62E-17	6.61E-10	1.24E-13	1.39E-17	5.67E-10	2.12E-12
phe.Fasting_rs6881310	S23	ISL1	rs75864203	S8	CNTLN	3.35E-17	1.37E-09	1.87E-13	1.33E-07	1	0.000182869
phe.Fasting_rs6881310	S23	ISL1	rs75949566	S5	TMEM64	1.11E-16	4.52E-09	4.65E-13	4.23E-12	0.000172242	1.70E-08
phe.Fasting_rs6881310	S23	ISL1	rs76844308	S8	CNTLN	2.08E-06	1.00E+00	1.16E-03	8.33E-10	0.0339059	2.02E-06
phe.Fasting_rs6881310	S23	ISL1	rs7763107	S8	FARS2	5.29E-07	1.00E+00	3.45E-04	3.62E-13	1.48E-05	1.96E-09
phe.Fasting_rs6881310	S23	ISL1	rs77798597	S7	KPNA3	7.90E-16	3.23E-08	2.39E-12	5.14E-11	0.00209292	1.66E-07
phe.Fasting_rs6881310	S23	ISL1	rs77845645	S21	NA	5.07E-13	2.07E-05	1.07E-09	1.13E-15	4.59E-08	1.30E-11
phe.Fasting_rs6881310	S23	ISL1	rs78353402	S8	AP3M2	2.20E-15	9.00E-08	6.24E-12	2.75E-07	1	0.000350345
phe.Fasting_rs6881310	S23	ISL1	rs78516788	S8	SLC38A1	3.89E-17	1.59E-09	2.09E-13	1.21E-08	0.492153	2.20E-05
phe.Fasting_rs6881310	S23	ISL1	rs78697063	S5	MSI2	1.75E-19	7.13E-12	2.40E-14	5.76E-12	0.000234647	2.25E-08
phe.Fasting_rs6881310	S23	ISL1	rs78722272	S5	CNTLN	3.35E-17	1.37E-09	1.87E-13	1.33E-07	1	0.000183176
phe.Fasting_rs6881310	S23	ISL1	rs78736524	S5	KPNA3	7.90E-16	3.23E-08	2.39E-12	5.45E-11	0.00221813	1.75E-07
phe.Fasting_rs6881310	S23	ISL1	rs78990344	S2	LOC1005063!	1.08E-16	4.40E-09	4.54E-13	2.68E-12	0.000109081	1.15E-08
phe.Fasting_rs6881310	S23	ISL1	rs79517926	S15	"DIAPH1,LOC	3.91E-06	1	2.00E-03	6.36E-15	2.59E-07	5.75E-11
phe.Fasting_rs6881310	S23	ISL1	rs79703349	S24	C17orf102	1.98E-07	1	0.000140938	3.37E-09	0.13698	7.06E-06
phe.Fasting_rs6881310	S23	ISL1	rs79781495	S8	KPNA3	7.90E-16	3.23E-08	2.39E-12	5.14E-11	0.00209292	1.66E-07
phe.Fasting_rs6881310	S23	ISL1	rs79886603	S15	NA	1.07E-06	1	6.42E-04	2.02E-07	1	0.000266966
phe.Fasting_rs6881310	S23	ISL1	rs80332465	S5	KPNA3	8.53E-16	3.48E-08	2.55E-12	5.35E-11	0.00217737	1.72E-07
phe.Fasting_rs6881310	S23	ISL1	rs80334773	S5	KPNA3	8.53E-16	3.48E-08	2.55E-12	5.35E-11	0.00217737	1.72E-07
phe.Fasting_rs6881310	S23	ISL1	rs8075478	S8	MYH10	1.46E-06	1	8.49E-04	1.01E-16	4.10E-09	5.63E-12
phe.Fasting_rs6881310	S23	ISL1	rs9620939	S7	MTMR3	5.93E-07	1.00E+00	3.83E-04	7.51E-14	3.06E-06	5.03E-10
phe.Fasting_rs6881310	S23	ISL1	rs9625903	S7	MTMR3	6.69E-07	1.00E+00	4.25E-04	1.16E-11	0.000473376	4.27E-08
phe.Fasting_rs6964407	S7	POR	rs141926074	S8	ATE1	3.19E-13	1.30E-05	6.82E-10	3.81E-07	1	0.000470125



phe.Fasting_rs6970543	S8	COPG2	rs116079984	S8	KPNA3	5.27E-06	1.00E+00	2.61E-03	6.85E-10	0.0278995	1.71E-06
phe.Fasting_rs6970543	S8	COPG2	rs74627895	S8	TMEM64	1.77E-10	7.23E-03	2.21E-07	8.82E-06	1	0.00736401
phe.Fasting_rs6970856	S8	COPG2	rs116079984	S8	KPNA3	5.27E-06	1.00E+00	2.61E-03	6.85E-10	0.0278995	1.71E-06
phe.Fasting_rs6970856	S8	COPG2	rs74627895	S8	TMEM64	1.77E-10	7.23E-03	2.21E-07	8.82E-06	1	0.00736401
phe.Fasting_rs6992853	S8	UBE2W	rs139070959	S8	RPN2	1.05E-06	1.00E+00	6.31E-04	1.95E-07	1	0.000258319
phe.Fasting_rs6992853	S8	UBE2W	rs145412529	S8	"RBL1,RPS3A	5.32E-07	1.00E+00	3.47E-04	1.37E-06	1	0.00149555
phe.Fasting_rs6997898	S5	UBE2W	rs139070959	S8	RPN2	1.18E-06	1	7.01E-04	2.28E-07	1	0.0002973
phe.Fasting_rs6997898	S5	UBE2W	rs145412529	S8	"RBL1,RPS3A	6.02E-07	1	0.000387852	1.61E-06	1	1.72E-03
phe.Fasting_rs7004597	S8	NA	rs111576333	S5	TMEM64	1.38E-15	5.65E-08	3.99E-12	4.12E-08	1	6.44E-05
phe.Fasting_rs7004597	S8	NA	rs112091318	S5	TMEM64	3.67E-16	1.50E-08	1.20E-12	1.56E-08	0.635167	2.76E-05
phe.Fasting_rs7004597	S8	NA	rs11989304	S4	TMEM64	1.38E-15	5.65E-08	3.99E-12	8.30E-07	1	9.52E-04
phe.Fasting_rs7004597	S8	NA	rs141926074	S8	ATE1	5.12E-17	2.09E-09	2.51E-13	2.02E-08	0.823675	3.47E-05
phe.Fasting_rs7004597	S8	NA	rs1470889	S5	ZC3H3	4.41E-09	1.80E-01	4.35E-06	2.32E-07	1	0.000302135
phe.Fasting_rs7004597	S8	NA	rs1470890	S5	ZC3H3	4.41E-09	1.80E-01	4.35E-06	2.32E-07	1	0.000302135
phe.Fasting_rs7004597	S8	NA	rs2924507	S5	ZC3H3	4.41E-09	1.80E-01	4.35E-06	2.32E-07	1	0.000302135
phe.Fasting_rs7004597	S8	NA	rs2924508	S8	ZC3H3	4.41E-09	1.80E-01	4.35E-06	6.24E-09	0.253966	1.21E-05
phe.Fasting_rs7004597	S8	NA	rs2924511	S7	ZC3H3	4.41E-09	1.80E-01	4.35E-06	2.06E-07	1	0.000270958
phe.Fasting_rs7004597	S8	NA	rs2924512	S7	ZC3H3	4.92E-09	2.01E-01	4.82E-06	2.64E-07	1	0.000338872
phe.Fasting_rs7004597	S8	NA	rs2956376	S8	ZC3H3	4.41E-09	1.80E-01	4.35E-06	1.41E-07	1	0.000192999
phe.Fasting_rs7004597	S8	NA	rs2980270	S7	ZC3H3	4.41E-09	0.180281	4.35E-06	1.41E-07	1	0.000192999
phe.Fasting_rs7004597	S8	NA	rs2980272	S7	ZC3H3	4.92E-09	0.201	4.82E-06	2.82E-07	1	0.000358683
phe.Fasting_rs7004597	S8	NA	rs2980275	S5	ZC3H3	4.41E-09	0.180281	4.35E-06	2.32E-07	1	0.000302135
phe.Fasting_rs7004597	S8	NA	rs366767	S5	ZC3H3	8.73E-09	0.356487	8.25E-06	1.59E-07	1	0.000215224
phe.Fasting_rs7004597	S8	NA	rs73283603	S7	ZWINT	9.00E-13	3.68E-05	1.86E-09	1.37E-06	1	0.00149723
phe.Fasting_rs7004597	S8	NA	rs73392640	S8	POLR3B	9.66E-15	3.94E-07	2.46E-11	2.51E-08	1	4.13E-05
phe.Fasting_rs7004597	S8	NA	rs73619637	S8	NA	3.31E-14	1.35E-06	8.02E-11	3.71E-11	0.00151073	1.23E-07
phe.Fasting_rs7004597	S8	NA	rs74627895	S8	TMEM64	3.67E-16	1.50E-08	1.20E-12	1.37E-07	1	0.000188745
phe.Fasting_rs7004597	S8	NA	rs75949566	S5	TMEM64	1.70E-15	6.95E-08	4.87E-12	1.03E-06	1	0.00116391
phe.Fasting_rs7004597	S8	NA	rs78990344	S2	LOC10050631	1.38E-15	5.65E-08	3.99E-12	8.30E-07	1	0.000952346
phe.Fasting_rs7004597	S8	NA	rs8075478	S8	MYH10	3.01E-10	0.0122872	3.60E-07	7.47E-07	1	0.000865527
phe.Fasting_rs717886	S8	NA	rs115083290	S19	NA	2.37E-10	9.66E-03	2.89E-07	3.49E-10	0.0142173	9.25E-07
phe.Fasting_rs717886	S8	NA	rs115752779	S19	NA	2.37E-10	9.66E-03	2.89E-07	3.49E-10	0.0142173	9.25E-07
phe.Fasting_rs717886	S8	NA	rs116279995	S20	"PCDHGA4,Pi	2.85E-15	1.16E-07	7.96E-12	4.98E-06	1	0.00455644
phe.Fasting_rs717886	S8	NA	rs141692339	S3	"PCDHGA6,Pi	3.74E-15	1.53E-07	1.00E-11	7.70E-12	0.000313295	2.92E-08
phe.Fasting_rs717886	S8	NA	rs141926074	S8	ATE1	4.10E-10	1.67E-02	4.76E-07	6.94E-06	1	0.0060223
phe.Fasting_rs717886	S8	NA	rs147506725	S21	"PCDHGA1,Pi	2.85E-15	1.16E-07	7.96E-12	4.98E-06	1	0.00455644
phe.Fasting_rs717886	S8	NA	rs149553852	S21	"PCDHGA10,I	2.85E-15	1.16E-07	7.96E-12	4.98E-06	1	0.00455644
phe.Fasting_rs717886	S8	NA	rs149716949	S5	DIAPH1	2.43E-15	9.92E-08	6.83E-12	3.51E-06	1	0.00335853
phe.Fasting_rs717886	S8	NA	rs150992994	S11	"PCDHGA5,Pi	3.75E-14	1.53E-06	9.03E-11	1.81E-11	0.000737294	6.46E-08
phe.Fasting_rs717886	S8	NA	rs181247960	S21	"PCDHGA9,Pi	2.85E-15	1.16E-07	7.96E-12	4.98E-06	1	0.00455644

phe.Fasting_rs717886	S8	NA	rs181824655 S21	"PCDHGB6,PI	2.85E-15	1.16E-07	7.96E-12	4.98E-06	1	4.56E-03
phe.Fasting_rs717886	S8	NA	rs182958142 S8	DIAPH1	2.36E-14	9.64E-07	5.82E-11	8.05E-06	1	0.00681413
phe.Fasting_rs717886	S8	NA	rs186288044 S21	"PCDHGB4,PI	2.85E-15	1.16E-07	7.96E-12	4.98E-06	1	0.00455644
phe.Fasting_rs717886	S8	NA	rs35990401 S7	DIAPH1	3.14E-14	1.28E-06	7.63E-11	7.84E-06	1	6.66E-03
phe.Fasting_rs717886	S8	NA	rs60011869 S16	NA	8.75E-12	0.00035731	1.45E-08	1.55E-09	0.0630543	3.51E-06
phe.Fasting_rs717886	S8	NA	rs73392640 S8	POLR3B	1.23E-10	5.02E-03	1.57E-07	6.92E-09	0.281781	1.34E-05
phe.Fasting_rs717886	S8	NA	rs73794928 S13	"PCDHGA9,PI	8.04E-15	3.28E-07	2.06E-11	1.76E-06	1	0.00185052
phe.Fasting_rs718215	S8	NA	rs115083290 S19	NA	7.46E-14	3.04E-06	1.72E-10	3.54E-10	0.0144294	9.38E-07
phe.Fasting_rs718215	S8	NA	rs115752779 S19	NA	7.46E-14	3.04E-06	1.72E-10	3.54E-10	0.0144294	9.38E-07
phe.Fasting_rs718215	S8	NA	rs116279995 S20	"PCDHGA4,PI	3.06E-15	1.25E-07	8.36E-12	5.03E-06	1	0.0045964
phe.Fasting_rs718215	S8	NA	rs13400525 S8	MFF	7.21E-14	2.94E-06	1.67E-10	3.61E-06	1	0.00344454
phe.Fasting_rs718215	S8	NA	rs141692339 S3	"PCDHGA6,PI	4.01E-15	1.64E-07	1.06E-11	7.80E-12	0.000317304	2.96E-08
phe.Fasting_rs718215	S8	NA	rs141926074 S8	ATE1	4.42E-10	0.0180591	5.09E-07	1.86E-08	0.757888	3.23E-05
phe.Fasting_rs718215	S8	NA	rs1470889 S5	ZC3H3	4.83E-11	0.00197183	6.56E-08	7.30E-07	1	0.000847673
phe.Fasting_rs718215	S8	NA	rs1470890 S5	ZC3H3	4.83E-11	0.00197183	6.56E-08	7.30E-07	1	0.000847673
phe.Fasting_rs718215	S8	NA	rs147506725 S21	"PCDHGA1,PI	3.06E-15	1.25E-07	8.36E-12	5.03E-06	1	0.0045964
phe.Fasting_rs718215	S8	NA	rs149553852 S21	"PCDHGA10,PI	3.06E-15	1.25E-07	8.36E-12	5.03E-06	1	0.0045964
phe.Fasting_rs718215	S8	NA	rs149716949 S5	DIAPH1	2.62E-15	1.07E-07	7.35E-12	3.56E-06	1	0.00340405
phe.Fasting_rs718215	S8	NA	rs150992994 S11	"PCDHGA5,PI	4.01E-14	1.64E-06	9.63E-11	1.84E-11	0.000747904	6.55E-08
phe.Fasting_rs718215	S8	NA	rs181247960 S21	"PCDHGA9,PI	3.06E-15	1.25E-07	8.36E-12	5.03E-06	1	0.0045964
phe.Fasting_rs718215	S8	NA	rs181824655 S21	"PCDHGB6,PI	3.06E-15	1.25E-07	8.36E-12	5.03E-06	1	0.0045964
phe.Fasting_rs718215	S8	NA	rs182958142 S8	DIAPH1	2.53E-14	1.03E-06	6.21E-11	8.14E-06	1	0.00688524
phe.Fasting_rs718215	S8	NA	rs186288044 S21	"PCDHGB4,PI	3.06E-15	1.25E-07	8.36E-12	5.03E-06	1	0.0045964
phe.Fasting_rs718215	S8	NA	rs2924507 S5	ZC3H3	4.83E-11	1.97E-03	6.56E-08	7.30E-07	1	0.000847673
phe.Fasting_rs718215	S8	NA	rs2924508 S8	ZC3H3	4.83E-11	1.97E-03	6.56E-08	1.33E-06	1	0.00145629
phe.Fasting_rs718215	S8	NA	rs2924511 S7	ZC3H3	4.83E-11	0.00197183	6.56E-08	6.58E-07	1	0.000770693
phe.Fasting_rs718215	S8	NA	rs2924512 S7	ZC3H3	4.95E-11	2.02E-03	6.69E-08	8.23E-07	1	9.45E-04
phe.Fasting_rs718215	S8	NA	rs2956376 S8	ZC3H3	4.83E-11	1.97E-03	6.56E-08	3.57E-07	1	0.000443108
phe.Fasting_rs718215	S8	NA	rs2980270 S7	ZC3H3	4.83E-11	1.97E-03	6.56E-08	3.57E-07	1	0.000443108
phe.Fasting_rs718215	S8	NA	rs2980272 S7	ZC3H3	4.95E-11	2.02E-03	6.69E-08	8.53E-07	1	0.000977116
phe.Fasting_rs718215	S8	NA	rs2980275 S5	ZC3H3	4.83E-11	1.97E-03	6.56E-08	7.30E-07	1	0.000847673
phe.Fasting_rs718215	S8	NA	rs35990401 S7	DIAPH1	3.37E-14	1.37E-06	8.15E-11	7.93E-06	1	0.00672732
phe.Fasting_rs718215	S8	NA	rs366767 S5	ZC3H3	8.46E-11	0.00345494	1.11E-07	4.06E-07	1	0.000494584
phe.Fasting_rs718215	S8	NA	rs60011869 S16	NA	9.46E-12	0.000386498	1.52E-08	1.16E-13	4.71E-06	7.06E-10
phe.Fasting_rs718215	S8	NA	rs73392640 S8	POLR3B	1.31E-10	5.35E-03	1.66E-07	6.99E-09	0.28434	1.35E-05
phe.Fasting_rs718215	S8	NA	rs73794928 S13	"PCDHGA9,PI	8.61E-15	3.52E-07	2.20E-11	1.77E-06	1	0.00186217
phe.Fasting_rs718215	S8	NA	rs76737663 S1	LOC654841	9.17E-09	3.74E-01	8.63E-06	1.26E-05	1	0.00972681
phe.Fasting_rs72895328	S7	AAK1	rs114334325 S7	AP3M2	3.17E-08	1.00E+00	2.71E-05	1.01E-09	0.0413052	2.41E-06
phe.Fasting_rs72895328	S7	AAK1	rs114394395 S7	AP3M2	3.31E-08	1.00E+00	2.82E-05	1.01E-09	0.0413052	2.41E-06
phe.Fasting_rs72895328	S7	AAK1	rs116406581 S2	NA	1.81E-07	1.00E+00	1.30E-04	4.89E-11	0.00199003	1.58E-07

phe.Fasting_rs72895328 S7	AAK1	rs116696844 S3	AP3M2	3.79E-08	1.00E+00	3.18E-05	1.01E-09	0.0413052	2.41E-06
phe.Fasting_rs72895328 S7	AAK1	rs138136869 S7	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs72895328 S7	AAK1	rs138457103 S10	DIAPH1	1.92E-05	1	8.06E-03	1.00E-08	0.4075	1.86E-05
phe.Fasting_rs72895328 S7	AAK1	rs139403963 S8	DIAPH1	2.11E-05	1	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs72895328 S7	AAK1	rs139828110 S8	DIAPH1	2.11E-05	1	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs72895328 S7	AAK1	rs142789100 S8	DIAPH1	2.11E-05	1	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs72895328 S7	AAK1	rs142812798 S7	DIAPH1	2.11E-05	1	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs72895328 S7	AAK1	rs143377827 S13	"DIAPH1,LOC	3.59E-06	1	0.00185741	1.44E-09	0.0586058	3.28E-06
phe.Fasting_rs72895328 S7	AAK1	rs143691978 S11	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.45E-09	0.099758	5.29E-06
phe.Fasting_rs72895328 S7	AAK1	rs144081334 S11	DIAPH1	2.11E-05	1	0.00874719	2.45E-09	0.099758	5.29E-06
phe.Fasting_rs72895328 S7	AAK1	rs145027704 S11	DIAPH1	2.11E-05	1	8.75E-03	2.45E-09	0.099758	5.29E-06
phe.Fasting_rs72895328 S7	AAK1	rs146622060 S13	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.45E-09	0.099758	5.29E-06
phe.Fasting_rs72895328 S7	AAK1	rs147417996 S7	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.45E-09	0.099758	5.29E-06
phe.Fasting_rs72895328 S7	AAK1	rs147677041 S8	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs72895328 S7	AAK1	rs149019627 S8	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs72895328 S7	AAK1	rs149791570 S5	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs72895328 S7	AAK1	rs151330468 S8	DIAPH1	2.11E-05	1	8.75E-03	2.45E-09	0.099758	5.29E-06
phe.Fasting_rs72895328 S7	AAK1	rs182965141 S8	DIAPH1	2.31E-05	1	9.45E-03	8.02E-10	0.0326295	1.96E-06
phe.Fasting_rs72895328 S7	AAK1	rs185502834 S8	DIAPH1	2.11E-05	1	0.00874719	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs72895328 S7	AAK1	rs190559574 S7	DIAPH1	2.11E-05	1	0.00874719	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs72895328 S7	AAK1	rs55900860 S7	DIAPH1	2.11E-05	1.00E+00	8.75E-03	2.44E-09	0.099364	5.28E-06
phe.Fasting_rs72895328 S7	AAK1	rs7004597 S8	NA	3.17E-08	1	2.71E-05	3.12E-10	0.0127112	8.41E-07
phe.Fasting_rs72895328 S7	AAK1	rs78353402 S8	AP3M2	3.17E-08	1	2.71E-05	1.01E-09	0.0413052	2.41E-06
phe.Fasting_rs72895328 S7	AAK1	rs79517926 S15	"DIAPH1,LOC	1.52E-05	1	0.00657313	1.13E-11	0.000458886	4.14E-08
phe.Fasting_rs72895346 S8	AAK1	rs114334325 S7	AP3M2	3.34E-08	1	2.85E-05	8.04E-10	0.0327298	1.96E-06
phe.Fasting_rs72895346 S8	AAK1	rs114394395 S7	AP3M2	3.49E-08	1	2.96E-05	8.04E-10	0.0327298	1.96E-06
phe.Fasting_rs72895346 S8	AAK1	rs116406581 S2	NA	1.90E-07	1	0.000136036	3.84E-11	0.00156462	1.27E-07
phe.Fasting_rs72895346 S8	AAK1	rs116696844 S3	AP3M2	4.00E-08	1.00E+00	3.35E-05	8.04E-10	0.0327298	1.96E-06
phe.Fasting_rs72895346 S8	AAK1	rs138136869 S7	DIAPH1	2.34E-05	1	0.0095427	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs72895346 S8	AAK1	rs138457103 S10	DIAPH1	2.16E-05	1.00E+00	8.91E-03	8.51E-09	0.346282	1.61E-05
phe.Fasting_rs72895346 S8	AAK1	rs139403963 S8	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs72895346 S8	AAK1	rs139828110 S8	DIAPH1	2.34E-05	1	0.0095427	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs72895346 S8	AAK1	rs142789100 S8	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs72895346 S8	AAK1	rs142812798 S7	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs72895346 S8	AAK1	rs143377827 S13	"DIAPH1,LOC	4.02E-06	1.00E+00	2.05E-03	1.25E-09	0.0508948	2.90E-06
phe.Fasting_rs72895346 S8	AAK1	rs143691978 S11	DIAPH1	2.34E-05	1	0.0095427	2.14E-09	0.0869355	4.68E-06
phe.Fasting_rs72895346 S8	AAK1	rs144081334 S11	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.14E-09	0.0869355	4.68E-06
phe.Fasting_rs72895346 S8	AAK1	rs145027704 S11	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.14E-09	0.0869355	4.68E-06
phe.Fasting_rs72895346 S8	AAK1	rs146622060 S13	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.14E-09	0.0869355	4.68E-06
phe.Fasting_rs72895346 S8	AAK1	rs147417996 S7	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.14E-09	0.0869355	4.68E-06

phe.Fasting_rs72895346	S8	AAK1	rs147677041	S8	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs72895346	S8	AAK1	rs149019627	S8	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs72895346	S8	AAK1	rs149791570	S5	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs72895346	S8	AAK1	rs151330468	S8	DIAPH1	2.34E-05	1	9.54E-03	2.14E-09	0.0869355	4.68E-06
phe.Fasting_rs72895346	S8	AAK1	rs185502834	S8	DIAPH1	2.34E-05	1	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs72895346	S8	AAK1	rs190559574	S7	DIAPH1	2.34E-05	1	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs72895346	S8	AAK1	rs55900860	S7	DIAPH1	2.34E-05	1	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs72895346	S8	AAK1	rs7004597	S8	NA	3.34E-08	1	2.85E-05	2.47E-10	0.0100489	6.81E-07
phe.Fasting_rs72895346	S8	AAK1	rs78353402	S8	AP3M2	3.34E-08	1	2.85E-05	8.04E-10	0.0327298	1.96E-06
phe.Fasting_rs72895346	S8	AAK1	rs79517926	S15	"DIAPH1,LOC	1.68E-05	1.00E+00	7.14E-03	8.69E-12	0.000353841	3.26E-08
phe.Fasting_rs73058677	S5	MYO1B	rs111576333	S5	TMEM64	2.74E-07	1	1.91E-04	1.15E-05	1	0.00912663
phe.Fasting_rs73058677	S5	MYO1B	rs112027720	S7	DIAPH1	3.87E-07	1	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs113219478	S7	DIAPH1	3.87E-07	1	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs113357907	S24	ISL1	9.16E-17	3.74E-09	3.95E-13	7.23E-15	2.94E-07	6.43E-11
phe.Fasting_rs73058677	S5	MYO1B	rs115787552	S5	KPNA3	3.32E-15	1.36E-07	9.02E-12	2.49E-06	1	0.00249063
phe.Fasting_rs73058677	S5	MYO1B	rs115888477	S8	NA	2.14E-14	8.74E-07	5.29E-11	5.95E-07	1	0.000702217
phe.Fasting_rs73058677	S5	MYO1B	rs116011837	S9	BRD2	4.92E-11	0.00200936	6.66E-08	2.51E-09	0.101972	5.40E-06
phe.Fasting_rs73058677	S5	MYO1B	rs116079984	S8	KPNA3	3.32E-15	1.36E-07	9.02E-12	3.13E-06	1	3.04E-03
phe.Fasting_rs73058677	S5	MYO1B	rs116120727	S9	BRD2	4.92E-11	2.01E-03	6.66E-08	2.51E-09	0.101972	5.40E-06
phe.Fasting_rs73058677	S5	MYO1B	rs116279995	S20	"PCDHGA4,PI	4.63E-06	1.00E+00	2.33E-03	3.18E-09	0.129279	6.68E-06
phe.Fasting_rs73058677	S5	MYO1B	rs116406581	S2	NA	2.71E-11	1.11E-03	3.89E-08	9.38E-06	1	0.00774202
phe.Fasting_rs73058677	S5	MYO1B	rs11989304	S4	TMEM64	2.74E-07	1.00E+00	1.91E-04	1.13E-05	1	0.00900462
phe.Fasting_rs73058677	S5	MYO1B	rs12488988	S6	PHC3	7.51E-07	1.00E+00	4.70E-04	1.18E-09	0.0479937	2.76E-06
phe.Fasting_rs73058677	S5	MYO1B	rs12492606	S8	PHC3	7.51E-07	1	4.70E-04	1.16E-09	0.0470191	2.71E-06
phe.Fasting_rs73058677	S5	MYO1B	rs13400525	S8	MFF	1.15E-15	4.69E-08	3.37E-12	7.83E-11	0.00318582	2.44E-07
phe.Fasting_rs73058677	S5	MYO1B	rs138090701	S5	HDAC3	7.07E-08	1.00E+00	5.59E-05	6.83E-09	0.277916	1.32E-05
phe.Fasting_rs73058677	S5	MYO1B	rs138136869	S7	DIAPH1	1.25E-07	1.00E+00	9.30E-05	1.79E-09	0.0726617	3.98E-06
phe.Fasting_rs73058677	S5	MYO1B	rs138457103	S10	DIAPH1	2.67E-07	1.00E+00	1.86E-04	6.98E-09	0.284199	1.35E-05
phe.Fasting_rs73058677	S5	MYO1B	rs138487229	S11	DIAPH1	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs138738950	S8	"PCDHGB2,PI	3.87E-07	1.00E+00	2.62E-04	6.80E-09	0.276765	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs139297927	S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs139337303	S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs139403963	S8	DIAPH1	1.25E-07	1.00E+00	9.30E-05	1.79E-09	0.0726617	3.98E-06
phe.Fasting_rs73058677	S5	MYO1B	rs139621309	S18	"LOC10050506	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs139828110	S8	DIAPH1	1.25E-07	1.00E+00	9.30E-05	1.79E-09	0.0726617	3.98E-06
phe.Fasting_rs73058677	S5	MYO1B	rs140070363	S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs140524622	S7	MRPL10	1.27E-16	5.21E-09	5.18E-13	1.69E-08	0.687784	2.95E-05
phe.Fasting_rs73058677	S5	MYO1B	rs140644750	S13	DIAPH1	3.87E-07	1	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs141022544	S8	DIAPH1	3.87E-07	1	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs141525984	S5	DIAPH1	3.87E-07	1	2.62E-04	6.79E-09	0.276288	1.31E-05

phe.Fasting_rs73058677	S5	MYO1B	rs141692339	S3	"PCDHGA6,Pi	5.05E-06	1	2.51E-03	4.47E-09	0.181764	9.03E-06
phe.Fasting_rs73058677	S5	MYO1B	rs141926074	S8	ATE1	1.60E-17	6.51E-10	1.22E-13	6.10E-12	0.000248306	2.36E-08
phe.Fasting_rs73058677	S5	MYO1B	rs142480565	S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs142718558	S7	"DIAPH1,LOC	3.87E-07	1	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs142789100	S8	DIAPH1	1.25E-07	1	9.30E-05	1.79E-09	0.0726617	3.98E-06
phe.Fasting_rs73058677	S5	MYO1B	rs142812798	S7	DIAPH1	1.25E-07	1	9.30E-05	1.79E-09	0.0726617	3.98E-06
phe.Fasting_rs73058677	S5	MYO1B	rs143377827	S13	"DIAPH1,LOC	1.07E-07	1	8.10E-05	1.37E-09	0.055732	3.13E-06
phe.Fasting_rs73058677	S5	MYO1B	rs143691978	S11	DIAPH1	1.25E-07	1.00E+00	9.30E-05	1.83E-09	0.0746175	4.07E-06
phe.Fasting_rs73058677	S5	MYO1B	rs144081334	S11	DIAPH1	1.25E-07	1.00E+00	9.30E-05	1.83E-09	0.0746175	4.07E-06
phe.Fasting_rs73058677	S5	MYO1B	rs144613910	S8	DIAPH1	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs145027704	S11	DIAPH1	1.25E-07	1.00E+00	9.30E-05	1.83E-09	0.0746175	4.07E-06
phe.Fasting_rs73058677	S5	MYO1B	rs146220673	S7	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs146622060	S13	DIAPH1	1.25E-07	1.00E+00	9.30E-05	1.83E-09	0.0746175	4.07E-06
phe.Fasting_rs73058677	S5	MYO1B	rs146815317	S5	KPNA3	3.32E-15	1.36E-07	9.02E-12	2.49E-06	1	0.00249063
phe.Fasting_rs73058677	S5	MYO1B	rs146878162	S7	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs147314451	S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs147417996	S7	DIAPH1	1.25E-07	1	9.30E-05	1.83E-09	0.0746175	4.07E-06
phe.Fasting_rs73058677	S5	MYO1B	rs147506725	S21	"PCDHGA1,Pi	4.63E-06	1.00E+00	2.33E-03	3.18E-09	0.129279	6.68E-06
phe.Fasting_rs73058677	S5	MYO1B	rs147646948	S7	"LOC100505	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs147677041	S8	DIAPH1	1.25E-07	1.00E+00	9.30E-05	1.79E-09	0.0726617	3.98E-06
phe.Fasting_rs73058677	S5	MYO1B	rs148116628	S7	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs148423011	S7	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs149019627	S8	DIAPH1	1.25E-07	1.00E+00	9.30E-05	1.79E-09	0.0726617	3.98E-06
phe.Fasting_rs73058677	S5	MYO1B	rs149075406	S8	DIAPH1	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs149334783	S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs149553852	S21	"PCDHGA10,l	4.63E-06	1.00E+00	2.33E-03	3.18E-09	0.129279	6.68E-06
phe.Fasting_rs73058677	S5	MYO1B	rs149716949	S5	DIAPH1	5.22E-08	1	4.26E-05	8.23E-10	0.033489	2.00E-06
phe.Fasting_rs73058677	S5	MYO1B	rs149791570	S5	DIAPH1	1.25E-07	1.00E+00	9.30E-05	1.79E-09	0.0726617	3.98E-06
phe.Fasting_rs73058677	S5	MYO1B	rs150117838	S8	KPNA3	3.32E-15	1.36E-07	9.02E-12	2.48E-06	1	0.00248279
phe.Fasting_rs73058677	S5	MYO1B	rs150452206	S13	"DIAPH1,LOC	3.87E-07	1	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs150675915	S7	DIAPH1	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs150765570	S7	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs150992994	S11	"PCDHGA5,Pi	4.05E-07	1.00E+00	2.72E-04	6.57E-09	0.267624	1.27E-05
phe.Fasting_rs73058677	S5	MYO1B	rs151204700	S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs151330468	S8	DIAPH1	1.25E-07	1.00E+00	9.30E-05	1.83E-09	0.0746175	4.07E-06
phe.Fasting_rs73058677	S5	MYO1B	rs16854875	S2	NA	5.88E-07	1.00E+00	3.80E-04	3.72E-07	1	0.000460301
phe.Fasting_rs73058677	S5	MYO1B	rs17236830	S6	PHC3	1.28E-06	1.00E+00	7.57E-04	1.47E-09	0.0598239	3.35E-06
phe.Fasting_rs73058677	S5	MYO1B	rs180772028	S8	"DIAPH1,LOC	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs181224861	S7	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs181247960	S21	"PCDHGA9,Pi	4.63E-06	1.00E+00	2.33E-03	3.18E-09	0.129279	6.68E-06

phe.Fasting_rs73058677	S5	MYO1B	rs181824655	S21	"PCDHGB6,PI	4.63E-06	1	0.00232586	3.18E-09	0.129279	6.68E-06
phe.Fasting_rs73058677	S5	MYO1B	rs182714699	S8	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs182958142	S8	DIAPH1	6.31E-07	1.00E+00	4.04E-04	6.77E-10	0.0275426	1.69E-06
phe.Fasting_rs73058677	S5	MYO1B	rs182965141	S8	DIAPH1	1.36E-07	1	1.00E-04	8.85E-08	1	0.000126817
phe.Fasting_rs73058677	S5	MYO1B	rs183597049	S7	DIAPH1	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs183980988	S2	NA	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs184233232	S7	DIAPH1	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs184509477	S13	"PCDHGB4,PI	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs185069296	S15	"LOC1005056	3.87E-07	1	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs185502834	S8	DIAPH1	1.25E-07	1	9.30E-05	1.79E-09	0.0726617	3.98E-06
phe.Fasting_rs73058677	S5	MYO1B	rs185759881	S7	DIAPH1	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs186288044	S21	"PCDHGB4,PI	4.63E-06	1	0.00232586	3.18E-09	0.129279	6.68E-06
phe.Fasting_rs73058677	S5	MYO1B	rs187000011	S11	DIAPH1	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs188981295	S5	"RPS27AP10,	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs190559574	S7	DIAPH1	1.25E-07	1	9.30E-05	1.79E-09	0.0726617	3.98E-06
phe.Fasting_rs73058677	S5	MYO1B	rs191544043	S8	DIAPH1	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs191766712	S7	DIAPH1	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs192690040	S7	DIAPH1	3.87E-07	1	0.000261569	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs192765219	S7	DIAPH1	3.87E-07	1	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs192770525	S7	DIAPH1	3.87E-07	1.00E+00	2.62E-04	6.79E-09	0.276288	1.31E-05
phe.Fasting_rs73058677	S5	MYO1B	rs2241292	S8	GPR160	7.71E-07	1.00E+00	4.81E-04	1.72E-09	0.0699058	3.85E-06
phe.Fasting_rs73058677	S5	MYO1B	rs35990401	S7	DIAPH1	4.16E-07	1.00E+00	2.78E-04	2.44E-09	0.0992874	5.28E-06
phe.Fasting_rs73058677	S5	MYO1B	rs3772186	S6	PHC3	7.51E-07	1.00E+00	4.70E-04	1.16E-09	0.0470191	2.71E-06
phe.Fasting_rs73058677	S5	MYO1B	rs55900860	S7	DIAPH1	1.25E-07	1.00E+00	9.30E-05	1.79E-09	0.0726617	3.98E-06
phe.Fasting_rs73058677	S5	MYO1B	rs57287019	S5	CLCN3	3.46E-11	1.41E-03	4.84E-08	5.81E-06	1	0.00518237
phe.Fasting_rs73058677	S5	MYO1B	rs57503635	S3	NA	5.73E-07	1	0.000371124	1.28E-06	1	0.00140853
phe.Fasting_rs73058677	S5	MYO1B	rs58417766	S7	PHC3	7.51E-07	1.00E+00	4.70E-04	1.16E-09	0.0470191	2.71E-06
phe.Fasting_rs73058677	S5	MYO1B	rs6763396	S5	PHC3	8.07E-07	1.00E+00	5.02E-04	1.18E-09	0.0481566	2.77E-06
phe.Fasting_rs73058677	S5	MYO1B	rs6781454	S8	PHC3	7.65E-07	1	0.000478609	1.17E-09	0.0478091	2.75E-06
phe.Fasting_rs73058677	S5	MYO1B	rs6786022	S8	PHC3	1.23E-06	1.00E+00	7.29E-04	1.43E-09	0.0581815	3.26E-06
phe.Fasting_rs73058677	S5	MYO1B	rs6808506	S7	PHC3	7.51E-07	1.00E+00	4.70E-04	1.16E-09	0.0470191	2.71E-06
phe.Fasting_rs73058677	S5	MYO1B	rs6881310	S23	ISL1	5.93E-16	2.42E-08	1.84E-12	2.67E-12	0.000108628	1.14E-08
phe.Fasting_rs73058677	S5	MYO1B	rs7004597	S8	NA	7.34E-12	0.000299915	1.26E-08	9.27E-06	1	0.00766363
phe.Fasting_rs73058677	S5	MYO1B	rs7256517	S7	CYTH2	1.84E-05	1.00E+00	7.75E-03	2.03E-06	1	0.00209942
phe.Fasting_rs73058677	S5	MYO1B	rs73619637	S8	NA	8.20E-07	1.00E+00	5.08E-04	9.59E-16	3.90E-08	1.16E-11
phe.Fasting_rs73058677	S5	MYO1B	rs73879173	S8	PHC3	7.51E-07	1.00E+00	4.70E-04	1.16E-09	0.0470191	2.71E-06
phe.Fasting_rs73058677	S5	MYO1B	rs73879178	S10	PHC3	1.23E-06	1.00E+00	7.29E-04	1.43E-09	0.0581815	3.26E-06
phe.Fasting_rs73058677	S5	MYO1B	rs73879182	S6	PHC3	7.51E-07	1.00E+00	4.70E-04	1.16E-09	0.0470191	2.71E-06
phe.Fasting_rs73058677	S5	MYO1B	rs75758702	S24	NA	7.83E-17	3.20E-09	3.47E-13	5.38E-12	0.000218866	2.11E-08
phe.Fasting_rs73058677	S5	MYO1B	rs76146702	S5	PHC3	8.11E-07	1	0.0005043	2.52E-08	1	4.14E-05

phe.Fasting_rs73058677	S5	MYO1B	rs7615039	S8	PHC3	6.80E-07	1.00E+00	4.32E-04	1.77E-09	0.0721242	3.96E-06
phe.Fasting_rs73058677	S5	MYO1B	rs7638400	S7	PHC3	7.51E-07	1.00E+00	4.70E-04	1.16E-09	0.0470191	2.71E-06
phe.Fasting_rs73058677	S5	MYO1B	rs7657672	S8	CLCN3	3.98E-11	0.00162518	5.48E-08	1.28E-05	1	9.90E-03
phe.Fasting_rs73058677	S5	MYO1B	rs76737663	S1	LOC654841	1.29E-15	5.25E-08	3.74E-12	8.36E-10	0.0340198	2.03E-06
phe.Fasting_rs73058677	S5	MYO1B	rs77444916	S23	LOC642366	2.06E-16	8.39E-09	7.10E-13	6.87E-15	2.80E-07	6.14E-11
phe.Fasting_rs73058677	S5	MYO1B	rs77798597	S7	KPNA3	3.32E-15	1.36E-07	9.02E-12	2.48E-06	1	0.00248279
phe.Fasting_rs73058677	S5	MYO1B	rs78516788	S8	SLC38A1	6.09E-06	1	0.00296271	8.12E-16	3.31E-08	1.16E-11
phe.Fasting_rs73058677	S5	MYO1B	rs78736524	S5	KPNA3	3.32E-15	1.36E-07	9.02E-12	2.49E-06	1	0.00249063
phe.Fasting_rs73058677	S5	MYO1B	rs78990344	S2	LOC10050631	2.74E-07	1.00E+00	1.91E-04	1.13E-05	1	0.00900462
phe.Fasting_rs73058677	S5	MYO1B	rs79389383	S8	PHC3	7.65E-07	1.00E+00	4.79E-04	1.17E-09	0.0478091	2.75E-06
phe.Fasting_rs73058677	S5	MYO1B	rs79517926	S15	"DIAPH1,LOC	1.64E-07	1.00E+00	1.18E-04	8.61E-10	0.0350523	2.08E-06
phe.Fasting_rs73058677	S5	MYO1B	rs79518241	S6	PHC3	7.51E-07	1.00E+00	4.70E-04	1.16E-09	0.0470191	2.71E-06
phe.Fasting_rs73058677	S5	MYO1B	rs79781495	S8	KPNA3	3.32E-15	1.36E-07	9.02E-12	2.48E-06	1	0.00248279
phe.Fasting_rs73058677	S5	MYO1B	rs80258830	S24	LOC642366	2.06E-16	8.39E-09	7.10E-13	6.87E-15	2.80E-07	6.14E-11
phe.Fasting_rs73058677	S5	MYO1B	rs80332465	S5	KPNA3	3.53E-15	1.44E-07	9.50E-12	2.57E-06	1	0.00255969
phe.Fasting_rs73058677	S5	MYO1B	rs80334773	S5	KPNA3	3.53E-15	1.44E-07	9.50E-12	2.57E-06	1	2.56E-03
phe.Fasting_rs73158088	S8	COPG2	rs116079984	S8	KPNA3	5.27E-06	1	0.00260564	1.06E-09	0.0429595	2.50E-06
phe.Fasting_rs73158088	S8	COPG2	rs74627895	S8	TMEM64	1.77E-10	7.23E-03	2.21E-07	9.17E-06	1	7.60E-03
phe.Fasting_rs73158095	S7	COPG2	rs116079984	S8	KPNA3	5.40E-06	1.00E+00	2.66E-03	3.77E-08	1	5.94E-05
phe.Fasting_rs73158095	S7	COPG2	rs74627895	S8	TMEM64	1.57E-10	0.00641302	1.97E-07	8.10E-06	1	0.00685529
phe.Fasting_rs73283603	S7	ZWINT	rs57503635	S3	NA	4.78E-16	1.95E-08	1.52E-12	1.50E-06	1	0.00161629
phe.Fasting_rs73392640	S8	POLR3B	rs115305957	S23	NA	2.53E-16	1.03E-08	8.58E-13	3.40E-24	1.39E-16	4.62E-17
phe.Fasting_rs73392640	S8	POLR3B	rs115787552	S5	KPNA3	3.76E-15	1.53E-07	1.00E-11	4.88E-06	1	0.00448129
phe.Fasting_rs73392640	S8	POLR3B	rs116079984	S8	KPNA3	3.76E-15	1.53E-07	1.00E-11	7.81E-06	1	0.00663496
phe.Fasting_rs73392640	S8	POLR3B	rs146815317	S5	KPNA3	3.76E-15	1.53E-07	1.00E-11	4.88E-06	1	4.48E-03
phe.Fasting_rs73392640	S8	POLR3B	rs150117838	S8	KPNA3	3.76E-15	1.53E-07	1.00E-11	5.99E-06	1	0.0053177
phe.Fasting_rs73392640	S8	POLR3B	rs74701059	S24	C17orf102	2.57E-16	1.05E-08	8.69E-13	6.55E-24	2.67E-16	6.66E-17
phe.Fasting_rs73392640	S8	POLR3B	rs74914207	S24	NA	2.53E-13	1.03E-05	5.47E-10	8.12E-10	0.0330561	1.98E-06
phe.Fasting_rs73392640	S8	POLR3B	rs77798597	S7	KPNA3	3.76E-15	1.53E-07	1.00E-11	5.99E-06	1	0.0053177
phe.Fasting_rs73392640	S8	POLR3B	rs78736524	S5	KPNA3	3.76E-15	1.53E-07	1.00E-11	4.88E-06	1	0.00448129
phe.Fasting_rs73392640	S8	POLR3B	rs79703349	S24	C17orf102	2.57E-16	1.05E-08	8.69E-13	9.28E-24	3.78E-16	7.56E-17
phe.Fasting_rs73392640	S8	POLR3B	rs79781495	S8	KPNA3	3.76E-15	1.53E-07	1.00E-11	5.99E-06	1	0.0053177
phe.Fasting_rs73392640	S8	POLR3B	rs80332465	S5	KPNA3	3.99E-15	1.63E-07	1.06E-11	6.18E-06	1	0.00545807
phe.Fasting_rs73392640	S8	POLR3B	rs80334773	S5	KPNA3	3.99E-15	1.63E-07	1.06E-11	6.18E-06	1	0.00545807
phe.Fasting_rs7355385	S8	MTX2	rs112027720	S7	DIAPH1	1.51E-07	1	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs113219478	S7	DIAPH1	1.51E-07	1	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs116011837	S9	BRD2	1.66E-05	1	7.07E-03	7.00E-06	1	0.00606539
phe.Fasting_rs7355385	S8	MTX2	rs116120727	S9	BRD2	1.66E-05	1	7.07E-03	7.00E-06	1	0.00606539
phe.Fasting_rs7355385	S8	MTX2	rs138090701	S5	HDAC3	3.36E-08	1	2.86E-05	1.25E-05	1	0.00970645
phe.Fasting_rs7355385	S8	MTX2	rs138457103	S10	DIAPH1	3.63E-07	1.00E+00	2.47E-04	4.09E-06	1	0.00383765

phe.Fasting_rs7355385	S8	MTX2	rs138487229S11	DIAPH1	1.51E-07	1	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs138738950S8	"PCDHGB2,Pi	1.51E-07	1	1.10E-04	6.05E-07	1	0.000713858
phe.Fasting_rs7355385	S8	MTX2	rs139297927S8	DIAPH1	1.51E-07	1	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs139337303S8	DIAPH1	1.51E-07	1	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs139621309S18	"LOC1005056	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs140070363S8	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs140644750S13	DIAPH1	1.51E-07	1	0.000110063	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs141022544S8	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	7.28E-04
phe.Fasting_rs7355385	S8	MTX2	rs141525984S5	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs142480565S8	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs142718558S7	"DIAPH1,LOC	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs144613910S8	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs146220673S7	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs146878162S7	DIAPH1	1.51E-07	1	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs147314451S8	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs147646948S7	"LOC1005056	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs148116628S7	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	7.28E-04
phe.Fasting_rs7355385	S8	MTX2	rs148423011S7	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs149075406S8	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs149334783S8	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs149716949S5	DIAPH1	6.24E-08	1	5.01E-05	1.28E-07	1	0.000176999
phe.Fasting_rs7355385	S8	MTX2	rs150452206S13	"DIAPH1,LOC	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs150675915S7	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	7.28E-04
phe.Fasting_rs7355385	S8	MTX2	rs150765570S7	DIAPH1	1.51E-07	1	0.000110063	6.19E-07	1	7.28E-04
phe.Fasting_rs7355385	S8	MTX2	rs150992994S11	"PCDHGA5,Pi	1.54E-07	1.00E+00	1.12E-04	5.37E-08	1	8.17E-05
phe.Fasting_rs7355385	S8	MTX2	rs151204700S8	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs180772028S8	"DIAPH1,LOC	1.51E-07	1	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs181224861S7	DIAPH1	1.51E-07	1	0.000110063	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs182714699S8	DIAPH1	1.51E-07	1	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs183597049S7	DIAPH1	1.51E-07	1	1.10E-04	6.19E-07	1	7.28E-04
phe.Fasting_rs7355385	S8	MTX2	rs183980988S2	NA	1.51E-07	1	0.000110063	6.19E-07	1	7.28E-04
phe.Fasting_rs7355385	S8	MTX2	rs184233232S7	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs184509477S13	"PCDHGB4,Pi	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs185069296S15	"LOC1005056	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	7.28E-04
phe.Fasting_rs7355385	S8	MTX2	rs185759881S7	DIAPH1	1.51E-07	1	0.000110063	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs187000011S11	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs188981295S5	"RPS27AP10,	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs191544043S8	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs191766712S7	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs192690040S7	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414



phe.Fasting_rs7355385	S8	MTX2	rs192765219S7	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs192770525S7	DIAPH1	1.51E-07	1.00E+00	1.10E-04	6.19E-07	1	0.000728414
phe.Fasting_rs7355385	S8	MTX2	rs35990401 S7	DIAPH1	1.19E-07	1	8.89E-05	8.28E-06	1	0.00699236
phe.Fasting_rs7355385	S8	MTX2	rs79517926 S15	"DIAPH1,LOC	1.47E-06	1	8.55E-04	7.50E-10	0.0305128	1.85E-06
phe.Fasting_rs73713153	S3	DNAJB9	rs116406581S2	NA	1.08E-05	1	4.88E-03	5.74E-08	1	8.69E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs112089881S8	ZFAND4	6.32E-18	2.58E-10	7.65E-14	5.67E-09	0.230936	1.11E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs114565620S8	RCL1	9.21E-18	3.76E-10	9.24E-14	7.78E-09	0.316691	1.49E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs115787552S5	KPNA3	3.11E-06	1	0.00163518	5.27E-09	0.214554	1.04E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs115888477S8	NA	1.78E-05	1.00E+00	7.52E-03	9.21E-10	0.0374773	2.19E-06
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs116079984S8	KPNA3	3.11E-06	1	1.64E-03	6.18E-09	0.251623	1.20E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs116548615S8	TMEM45B	3.85E-17	1.57E-09	2.08E-13	1.42E-09	0.0577371	3.24E-06
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs146815317S5	KPNA3	3.11E-06	1	1.64E-03	5.27E-09	0.214554	1.04E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs150117838S8	KPNA3	3.11E-06	1	1.64E-03	5.08E-09	0.206949	1.01E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs150916187S4	HIST1H2BK	6.25E-06	1.00E+00	3.04E-03	1.34E-09	0.0544353	3.06E-06
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs16894241 S4	HIST1H2BK	7.67E-12	3.13E-04	1.30E-08	3.24E-09	0.132049	6.82E-06
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs57503635 S3	NA	1.62E-07	1	0.000117452	8.98E-11	0.003656	2.77E-07
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs7256517 S7	CYTH2	1.27E-06	1.00E+00	7.50E-04	6.78E-07	1	7.92E-04
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs73392640 S8	POLR3B	1.30E-10	5.31E-03	1.65E-07	1.53E-08	0.624642	2.72E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs74914207 S24	NA	3.93E-11	1.61E-03	5.41E-08	8.54E-06	1	0.00716395
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs75350765 S5	RCL1	9.21E-18	3.76E-10	9.24E-14	7.78E-09	0.316691	1.49E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs75758702 S24	NA	1.38E-07	1.00E+00	1.02E-04	5.30E-09	0.215917	1.05E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs7763107 S8	FARS2	6.37E-08	1.00E+00	5.10E-05	9.53E-07	1	0.00108166
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs77798597 S7	KPNA3	3.11E-06	1	1.64E-03	5.08E-09	0.206949	1.01E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs78516788 S8	SLC38A1	1.11E-11	4.55E-04	1.76E-08	4.79E-08	1	7.38E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs78697063 S5	MSI2	1.35E-19	5.51E-12	2.29E-14	8.58E-11	0.00349174	2.65E-07
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs78736524 S5	KPNA3	3.11E-06	1.00E+00	1.64E-03	5.27E-09	0.214554	1.04E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs79781495 S8	KPNA3	3.11E-06	1.00E+00	1.64E-03	5.08E-09	0.206949	1.01E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs80332465 S5	KPNA3	3.14E-06	1.00E+00	1.65E-03	5.41E-09	0.220384	1.07E-05
phe.Fasting_rs73794928	S13	"PCDHGA9,P	rs80334773 S5	KPNA3	3.14E-06	1.00E+00	1.65E-03	5.41E-09	0.220384	1.07E-05
phe.Fasting_rs73864708	S8	NEK1	rs112027720S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs112089881S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	5.67E-09	0.230592	1.11E-05
phe.Fasting_rs73864708	S8	NEK1	rs113219478S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs113357907S24	ISL1	6.12E-18	2.50E-10	7.50E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs73864708	S8	NEK1	rs115787552S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	2.81E-04
phe.Fasting_rs73864708	S8	NEK1	rs115888477S8	NA	2.70E-15	1.10E-07	7.57E-12	1.63E-08	0.66442	2.86E-05
phe.Fasting_rs73864708	S8	NEK1	rs116011837S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs73864708	S8	NEK1	rs116079984S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.52E-07	1	0.000325188
phe.Fasting_rs73864708	S8	NEK1	rs116120727S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs73864708	S8	NEK1	rs116279995S20	"PCDHGA4,P	2.15E-05	1	0.00887266	2.34E-07	1	3.04E-04
phe.Fasting_rs73864708	S8	NEK1	rs138090701S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	1.29E-08	0.523399	2.33E-05

phe.Fasting_rs73864708	S8	NEK1	rs138136869S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864708	S8	NEK1	rs138457103S10	DIAPH1	5.43E-12	2.22E-04	9.60E-09	2.09E-08	0.850097	3.57E-05
phe.Fasting_rs73864708	S8	NEK1	rs138487229S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs138738950S8	"PCDHGB2,Pi	9.17E-12	3.74E-04	1.48E-08	2.22E-08	0.904374	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs139297927S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs139337303S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs139403963S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864708	S8	NEK1	rs139621309S18	"LOC1005056	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs139828110S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864708	S8	NEK1	rs140070363S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs140644750S13	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs141022544S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs141525984S5	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs141926074S8	ATE1	1.33E-06	1	7.83E-04	1.98E-14	8.07E-07	1.59E-10
phe.Fasting_rs73864708	S8	NEK1	rs142480565S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs142718558S7	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs142789100S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864708	S8	NEK1	rs142812798S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864708	S8	NEK1	rs143377827S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	2.57E-09	0.104505	5.52E-06
phe.Fasting_rs73864708	S8	NEK1	rs143691978S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs73864708	S8	NEK1	rs144081334S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs73864708	S8	NEK1	rs144613910S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs145027704S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs73864708	S8	NEK1	rs146220673S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs146622060S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs73864708	S8	NEK1	rs146815317S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	0.000281471
phe.Fasting_rs73864708	S8	NEK1	rs146878162S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs1470889S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs73864708	S8	NEK1	rs1470890S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs73864708	S8	NEK1	rs147314451S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs147417996S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs73864708	S8	NEK1	rs147506725S21	"PCDHGA1,Pi	2.15E-05	1	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_rs73864708	S8	NEK1	rs147646948S7	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs147677041S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864708	S8	NEK1	rs148116628S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs148423011S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs149019627S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864708	S8	NEK1	rs149075406S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs149334783S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs149553852S21	"PCDHGA10,	2.15E-05	1.00E+00	8.87E-03	2.34E-07	1	0.000303649

phe.Fasting_rs73864708	S8	NEK1	rs149716949S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	2.72E-09	0.110842	5.82E-06
phe.Fasting_rs73864708	S8	NEK1	rs149791570S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864708	S8	NEK1	rs150117838S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	0.000270369
phe.Fasting_rs73864708	S8	NEK1	rs150452206S13	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs150675915S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs150765570S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs150992994S11	"PCDHGA5,PI	9.47E-12	3.87E-04	1.52E-08	2.14E-08	0.869105	3.65E-05
phe.Fasting_rs73864708	S8	NEK1	rs151204700S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs151330468S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs73864708	S8	NEK1	rs16894241 S4	HIST1H2BK	5.24E-08	1.00E+00	4.28E-05	5.37E-07	1	0.000638437
phe.Fasting_rs73864708	S8	NEK1	rs180772028S8	"DIAPH1,LOC	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs181224861S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs181247960S21	"PCDHGA9,PI	2.15E-05	1.00E+00	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_rs73864708	S8	NEK1	rs181824655S21	"PCDHGB6,PI	2.15E-05	1.00E+00	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_rs73864708	S8	NEK1	rs182714699S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs182965141S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	1.71E-09	0.0696833	3.83E-06
phe.Fasting_rs73864708	S8	NEK1	rs183597049S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs183980988S2	NA	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs184233232S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs184509477S13	"PCDHGB4,PI	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs185069296S15	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs185502834S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864708	S8	NEK1	rs185759881S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs186288044S21	"PCDHGB4,PI	2.15E-05	1	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_rs73864708	S8	NEK1	rs187000011S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs188981295S5	"RPS27AP10,	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs190559574S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864708	S8	NEK1	rs191544043S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs191766712S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs192690040S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs192765219S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs192770525S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864708	S8	NEK1	rs2924507 S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs73864708	S8	NEK1	rs2924508 S8	ZC3H3	3.60E-08	1.00E+00	3.04E-05	9.52E-07	1	0.00108069
phe.Fasting_rs73864708	S8	NEK1	rs2924511 S7	ZC3H3	3.60E-08	1.00E+00	3.04E-05	5.76E-07	1	0.000680958
phe.Fasting_rs73864708	S8	NEK1	rs2924512 S7	ZC3H3	4.02E-08	1	3.37E-05	7.17E-07	1	0.00083355
phe.Fasting_rs73864708	S8	NEK1	rs2956376 S8	ZC3H3	3.60E-08	1.00E+00	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs73864708	S8	NEK1	rs2980270 S7	ZC3H3	3.60E-08	1.00E+00	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs73864708	S8	NEK1	rs2980272 S7	ZC3H3	4.02E-08	1.00E+00	3.37E-05	7.52E-07	1	8.70E-04
phe.Fasting_rs73864708	S8	NEK1	rs2980275 S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	6.78E-07	1	0.000791674

phe.Fasting_rs73864708	S8	NEK1	rs35990401	S7	DIAPH1	8.40E-12	3.43E-04	1.39E-08	8.38E-09	0.340996	1.59E-05
phe.Fasting_rs73864708	S8	NEK1	rs366767	S5	ZC3H3	6.34E-08	1.00E+00	5.08E-05	4.19E-07	1	0.000508745
phe.Fasting_rs73864708	S8	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864708	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs73864708	S8	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	1.35E-08	0.549186	2.43E-05
phe.Fasting_rs73864708	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs73864708	S8	NEK1	rs77798597	S7	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	2.70E-04
phe.Fasting_rs73864708	S8	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	2.08E-07	1	0.000273911
phe.Fasting_rs73864708	S8	NEK1	rs78736524	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	0.000281471
phe.Fasting_rs73864708	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	2.29E-09	0.0931701	4.98E-06
phe.Fasting_rs73864708	S8	NEK1	rs79781495	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	0.000270369
phe.Fasting_rs73864708	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs73864708	S8	NEK1	rs80332465	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.14E-07	1	0.000280922
phe.Fasting_rs73864708	S8	NEK1	rs80334773	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.14E-07	1	0.000280922
phe.Fasting_rs73864714	S8	NEK1	rs112027720	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs112089881	S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	5.67E-09	0.230592	1.11E-05
phe.Fasting_rs73864714	S8	NEK1	rs113219478	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs73864714	S8	NEK1	rs115787552	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	0.000281471
phe.Fasting_rs73864714	S8	NEK1	rs115888477	S8	NA	2.70E-15	1.10E-07	7.57E-12	1.63E-08	0.66442	2.86E-05
phe.Fasting_rs73864714	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs73864714	S8	NEK1	rs116079984	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.52E-07	1	0.000325188
phe.Fasting_rs73864714	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.21E-10	0.00900315	6.20E-07
phe.Fasting_rs73864714	S8	NEK1	rs116279995	S20	"PCDHGA4,Pi	2.15E-05	1.00E+00	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_rs73864714	S8	NEK1	rs138090701	S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	1.29E-08	0.523399	2.33E-05
phe.Fasting_rs73864714	S8	NEK1	rs138136869	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864714	S8	NEK1	rs138457103	S10	DIAPH1	5.43E-12	0.000221795	9.60E-09	2.09E-08	0.850097	3.57E-05
phe.Fasting_rs73864714	S8	NEK1	rs138487229	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs138738950	S8	"PCDHGB2,Pi	9.17E-12	3.74E-04	1.48E-08	2.22E-08	0.904374	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs139297927	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs139337303	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs139403963	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864714	S8	NEK1	rs139621309	S18	"LOC1005050	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs139828110	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864714	S8	NEK1	rs140070363	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs140644750	S13	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs141022544	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs141525984	S5	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs141926074	S8	ATE1	1.33E-06	1.00E+00	7.83E-04	1.98E-14	8.07E-07	1.59E-10
phe.Fasting_rs73864714	S8	NEK1	rs142480565	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05

phe.Fasting_rs73864714	S8	NEK1	rs142718558S7	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs142789100S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864714	S8	NEK1	rs142812798S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864714	S8	NEK1	rs143377827S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	2.57E-09	0.104505	5.52E-06
phe.Fasting_rs73864714	S8	NEK1	rs143691978S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs73864714	S8	NEK1	rs144081334S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs73864714	S8	NEK1	rs144613910S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs145027704S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs73864714	S8	NEK1	rs146220673S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs146622060S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs73864714	S8	NEK1	rs146815317S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	0.000281471
phe.Fasting_rs73864714	S8	NEK1	rs146878162S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs1470889 S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs73864714	S8	NEK1	rs1470890 S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	6.78E-07	1	7.92E-04
phe.Fasting_rs73864714	S8	NEK1	rs147314451S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs147417996S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs73864714	S8	NEK1	rs147506725S21	"PCDHGA1,PI	2.15E-05	1.00E+00	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_rs73864714	S8	NEK1	rs147646948S7	"LOC1005056	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs147677041S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864714	S8	NEK1	rs148116628S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs148423011S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs149019627S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864714	S8	NEK1	rs149075406S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs149334783S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs149553852S21	"PCDHGA10,PI	2.15E-05	1.00E+00	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_rs73864714	S8	NEK1	rs149716949S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	2.72E-09	0.110842	5.82E-06
phe.Fasting_rs73864714	S8	NEK1	rs149791570S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864714	S8	NEK1	rs150117838S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	0.000270369
phe.Fasting_rs73864714	S8	NEK1	rs150452206S13	"DIAPH1,LOC	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs150675915S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs150765570S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs150992994S11	"PCDHGA5,PI	9.47E-12	3.87E-04	1.52E-08	2.14E-08	0.869105	3.65E-05
phe.Fasting_rs73864714	S8	NEK1	rs151204700S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs151330468S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.06E-09	0.206028	1.01E-05
phe.Fasting_rs73864714	S8	NEK1	rs16894241 S4	HIST1H2BK	5.24E-08	1	4.28E-05	5.37E-07	1	0.000638437
phe.Fasting_rs73864714	S8	NEK1	rs180772028S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs181224861S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs181247960S21	"PCDHGA9,PI	2.15E-05	1	0.00887266	2.34E-07	1	0.000303649
phe.Fasting_rs73864714	S8	NEK1	rs181824655S21	"PCDHGB6,PI	2.15E-05	1	0.00887266	2.34E-07	1	0.000303649
phe.Fasting_rs73864714	S8	NEK1	rs182714699S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05

phe.Fasting_rs73864714	S8	NEK1	rs182965141	S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	1.71E-09	0.0696833	3.83E-06
phe.Fasting_rs73864714	S8	NEK1	rs183597049	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs183980988	S2	NA	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs184233232	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs184509477	S13	"PCDHGB4,PI	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs185069296	S15	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs185502834	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864714	S8	NEK1	rs185759881	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs186288044	S21	"PCDHGB4,PI	2.15E-05	1.00E+00	8.87E-03	2.34E-07	1	0.000303649
phe.Fasting_rs73864714	S8	NEK1	rs187000011	S11	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs188981295	S5	"RPS27AP10,	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs190559574	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864714	S8	NEK1	rs191544043	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs191766712	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs192690040	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs192765219	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs192770525	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.23E-08	0.908274	3.74E-05
phe.Fasting_rs73864714	S8	NEK1	rs2924507	S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs73864714	S8	NEK1	rs2924508	S8	ZC3H3	3.60E-08	1	3.04E-05	9.52E-07	1	0.00108069
phe.Fasting_rs73864714	S8	NEK1	rs2924511	S7	ZC3H3	3.60E-08	1.00E+00	3.04E-05	5.76E-07	1	0.000680958
phe.Fasting_rs73864714	S8	NEK1	rs2924512	S7	ZC3H3	4.02E-08	1	3.37E-05	7.17E-07	1	0.00083355
phe.Fasting_rs73864714	S8	NEK1	rs2956376	S8	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs73864714	S8	NEK1	rs2980270	S7	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs73864714	S8	NEK1	rs2980272	S7	ZC3H3	4.02E-08	1	3.37E-05	7.52E-07	1	0.000869902
phe.Fasting_rs73864714	S8	NEK1	rs2980275	S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs73864714	S8	NEK1	rs35990401	S7	DIAPH1	8.40E-12	3.43E-04	1.39E-08	8.38E-09	0.340996	1.59E-05
phe.Fasting_rs73864714	S8	NEK1	rs366767	S5	ZC3H3	6.34E-08	1	5.08E-05	4.19E-07	1	0.000508745
phe.Fasting_rs73864714	S8	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.12E-09	0.127195	6.59E-06
phe.Fasting_rs73864714	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.34E-12	9.53E-05	1.01E-08
phe.Fasting_rs73864714	S8	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	1.35E-08	0.549186	2.43E-05
phe.Fasting_rs73864714	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs73864714	S8	NEK1	rs77798597	S7	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	0.000270369
phe.Fasting_rs73864714	S8	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	2.08E-07	1	0.000273911
phe.Fasting_rs73864714	S8	NEK1	rs78736524	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.15E-07	1	0.000281471
phe.Fasting_rs73864714	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	2.29E-09	0.0931701	4.98E-06
phe.Fasting_rs73864714	S8	NEK1	rs79781495	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.05E-07	1	0.000270369
phe.Fasting_rs73864714	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.75E-16	3.56E-08	1.16E-11
phe.Fasting_rs73864714	S8	NEK1	rs80332465	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.14E-07	1	0.000280922
phe.Fasting_rs73864714	S8	NEK1	rs80334773	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.14E-07	1	0.000280922
phe.Fasting_rs73864724	S8	NEK1	rs112027720	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05

phe.Fasting_rs73864724	S8	NEK1	rs112089881	S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	5.69E-09	0.231497	1.11E-05
phe.Fasting_rs73864724	S8	NEK1	rs113219478	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	8.90E-16	3.62E-08	1.16E-11
phe.Fasting_rs73864724	S8	NEK1	rs115787552	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.22E-07	1	0.000289987
phe.Fasting_rs73864724	S8	NEK1	rs115888477	S8	NA	2.70E-15	1.10E-07	7.57E-12	1.69E-08	0.68669	2.95E-05
phe.Fasting_rs73864724	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.23E-10	0.00906089	6.23E-07
phe.Fasting_rs73864724	S8	NEK1	rs116079984	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.60E-07	1	0.000333919
phe.Fasting_rs73864724	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.23E-10	0.00906089	6.23E-07
phe.Fasting_rs73864724	S8	NEK1	rs116279995	S20	"PCDHGA4,PI	2.15E-05	1	8.87E-03	2.44E-07	1	0.00031541
phe.Fasting_rs73864724	S8	NEK1	rs138090701	S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	1.39E-08	0.565314	2.49E-05
phe.Fasting_rs73864724	S8	NEK1	rs138136869	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs73864724	S8	NEK1	rs138457103	S10	DIAPH1	5.43E-12	0.000221795	9.60E-09	2.17E-08	0.884483	3.70E-05
phe.Fasting_rs73864724	S8	NEK1	rs138487229	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs138738950	S8	"PCDHGB2,PI	9.17E-12	0.000374383	1.48E-08	2.31E-08	0.939094	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs139297927	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs139337303	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs139403963	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs73864724	S8	NEK1	rs139621309	S18	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs139828110	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs73864724	S8	NEK1	rs140070363	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs140644750	S13	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs141022544	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs141525984	S5	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs141926074	S8	ATE1	1.33E-06	1.00E+00	7.83E-04	2.03E-14	8.25E-07	1.62E-10
phe.Fasting_rs73864724	S8	NEK1	rs142480565	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs142718558	S7	"DIAPH1,LOC	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs142789100	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs73864724	S8	NEK1	rs142812798	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs73864724	S8	NEK1	rs143377827	S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	2.58E-09	0.105219	5.55E-06
phe.Fasting_rs73864724	S8	NEK1	rs143691978	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.09E-09	0.206989	1.01E-05
phe.Fasting_rs73864724	S8	NEK1	rs144081334	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.09E-09	0.206989	1.01E-05
phe.Fasting_rs73864724	S8	NEK1	rs144613910	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs145027704	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.09E-09	0.206989	1.01E-05
phe.Fasting_rs73864724	S8	NEK1	rs146220673	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs146622060	S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.09E-09	0.206989	1.01E-05
phe.Fasting_rs73864724	S8	NEK1	rs146815317	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.22E-07	1	0.000289987
phe.Fasting_rs73864724	S8	NEK1	rs146878162	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs1470889	S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	7.22E-07	1	8.38E-04
phe.Fasting_rs73864724	S8	NEK1	rs1470890	S5	ZC3H3	3.60E-08	1	3.04E-05	7.22E-07	1	8.38E-04
phe.Fasting_rs73864724	S8	NEK1	rs147314451	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05

phe.Fasting_rs73864724	S8	NEK1	rs147417996S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.09E-09	0.206989	1.01E-05
phe.Fasting_rs73864724	S8	NEK1	rs147506725S21	"PCDHGA1,Pi	2.15E-05	1	8.87E-03	2.44E-07	1	0.00031541
phe.Fasting_rs73864724	S8	NEK1	rs147646948S7	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs147677041S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs73864724	S8	NEK1	rs148116628S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs148423011S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs149019627S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs73864724	S8	NEK1	rs149075406S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs149334783S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs149553852S21	"PCDHGA10,I	2.15E-05	1.00E+00	8.87E-03	2.44E-07	1	0.00031541
phe.Fasting_rs73864724	S8	NEK1	rs149716949S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	2.82E-09	0.11499	6.01E-06
phe.Fasting_rs73864724	S8	NEK1	rs149791570S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs73864724	S8	NEK1	rs150117838S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.12E-07	1	0.000278281
phe.Fasting_rs73864724	S8	NEK1	rs150452206S13	"DIAPH1,LOC	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs150675915S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs150765570S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs150992994S11	"PCDHGA5,Pi	9.47E-12	0.000386737	1.52E-08	2.23E-08	0.906871	3.74E-05
phe.Fasting_rs73864724	S8	NEK1	rs151204700S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs151330468S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.09E-09	0.206989	1.01E-05
phe.Fasting_rs73864724	S8	NEK1	rs16894241 S4	HIST1H2BK	5.24E-08	1	4.28E-05	5.37E-07	1	0.000638224
phe.Fasting_rs73864724	S8	NEK1	rs180772028S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs181224861S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs181247960S21	"PCDHGA9,Pi	2.15E-05	1	8.87E-03	2.44E-07	1	0.00031541
phe.Fasting_rs73864724	S8	NEK1	rs181824655S21	"PCDHGB6,Pi	2.15E-05	1	8.87E-03	2.44E-07	1	0.00031541
phe.Fasting_rs73864724	S8	NEK1	rs182714699S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs182965141S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	1.71E-09	0.0696643	3.83E-06
phe.Fasting_rs73864724	S8	NEK1	rs183597049S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs183980988S2	NA	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs184233232S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs184509477S13	"PCDHGB4,Pi	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs185069296S15	"LOC1005056	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs185502834S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs73864724	S8	NEK1	rs185759881S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs186288044S21	"PCDHGB4,Pi	2.15E-05	1.00E+00	8.87E-03	2.44E-07	1	0.00031541
phe.Fasting_rs73864724	S8	NEK1	rs187000011S11	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs188981295S5	"RPS27AP10,	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs190559574S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs73864724	S8	NEK1	rs191544043S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs191766712S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs192690040S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05



phe.Fasting_rs73864724	S8	NEK1	rs192765219S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs192770525S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs73864724	S8	NEK1	rs2924507 S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	7.22E-07	1	0.000838245
phe.Fasting_rs73864724	S8	NEK1	rs2924508 S8	ZC3H3	3.60E-08	1.00E+00	3.04E-05	1.01E-06	1	0.00114263
phe.Fasting_rs73864724	S8	NEK1	rs2924511 S7	ZC3H3	3.60E-08	1.00E+00	3.04E-05	6.12E-07	1	0.000721385
phe.Fasting_rs73864724	S8	NEK1	rs2924512 S7	ZC3H3	4.02E-08	1.00E+00	3.37E-05	7.64E-07	1	0.000882892
phe.Fasting_rs73864724	S8	NEK1	rs2956376 S8	ZC3H3	3.60E-08	1.00E+00	3.04E-05	4.13E-07	1	0.000502027
phe.Fasting_rs73864724	S8	NEK1	rs2980270 S7	ZC3H3	3.60E-08	1.00E+00	3.04E-05	4.13E-07	1	0.000502027
phe.Fasting_rs73864724	S8	NEK1	rs2980272 S7	ZC3H3	4.02E-08	1	3.37E-05	8.01E-07	1	0.000921735
phe.Fasting_rs73864724	S8	NEK1	rs2980275 S5	ZC3H3	3.60E-08	1	3.04E-05	7.22E-07	1	0.000838245
phe.Fasting_rs73864724	S8	NEK1	rs35990401 S7	DIAPH1	8.40E-12	0.000343123	1.39E-08	8.71E-09	0.354487	1.65E-05
phe.Fasting_rs73864724	S8	NEK1	rs366767 S5	ZC3H3	6.34E-08	1	5.08E-05	4.43E-07	1	0.000534886
phe.Fasting_rs73864724	S8	NEK1	rs55900860 S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs73864724	S8	NEK1	rs6881310 S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.33E-12	9.47E-05	1.00E-08
phe.Fasting_rs73864724	S8	NEK1	rs73619637 S8	NA	1.02E-16	4.15E-09	4.31E-13	1.39E-08	0.566894	2.49E-05
phe.Fasting_rs73864724	S8	NEK1	rs77444916 S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.34E-16	3.40E-08	1.16E-11
phe.Fasting_rs73864724	S8	NEK1	rs77798597 S7	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.12E-07	1	0.000278281
phe.Fasting_rs73864724	S8	NEK1	rs78703708 S7	FAF2	9.25E-18	3.78E-10	9.24E-14	1.57E-07	1	0.000212577
phe.Fasting_rs73864724	S8	NEK1	rs78736524 S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.22E-07	1	0.000289987
phe.Fasting_rs73864724	S8	NEK1	rs79517926 S15	"DIAPH1,LOC	2.69E-12	1.10E-04	4.97E-09	2.39E-09	0.0971596	5.17E-06
phe.Fasting_rs73864724	S8	NEK1	rs79781495 S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.12E-07	1	0.000278281
phe.Fasting_rs73864724	S8	NEK1	rs80258830 S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.34E-16	3.40E-08	1.16E-11
phe.Fasting_rs73864724	S8	NEK1	rs80332465 S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.21E-07	1	2.89E-04
phe.Fasting_rs73864724	S8	NEK1	rs80334773 S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.21E-07	1	0.000289439
phe.Fasting_rs73864726	S8	NEK1	rs112027720S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs112089881S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	7.39E-09	0.300904	1.42E-05
phe.Fasting_rs73864726	S8	NEK1	rs113219478S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs113357907S24	ISL1	6.12E-18	2.50E-10	7.50E-14	1.27E-15	5.16E-08	1.44E-11
phe.Fasting_rs73864726	S8	NEK1	rs115787552S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.13E-07	1	0.000393894
phe.Fasting_rs73864726	S8	NEK1	rs115888477S8	NA	2.70E-15	1.10E-07	7.57E-12	2.44E-08	0.994402	4.03E-05
phe.Fasting_rs73864726	S8	NEK1	rs116011837S9	BRD2	2.29E-17	9.34E-10	1.45E-13	3.18E-10	0.0129556	8.55E-07
phe.Fasting_rs73864726	S8	NEK1	rs116079984S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.67E-07	1	0.000454306
phe.Fasting_rs73864726	S8	NEK1	rs116120727S9	BRD2	2.29E-17	9.34E-10	1.45E-13	3.18E-10	0.0129556	8.55E-07
phe.Fasting_rs73864726	S8	NEK1	rs116279995S20	"PCDHGA4,Pi	2.15E-05	1.00E+00	8.87E-03	3.33E-07	1	0.000415605
phe.Fasting_rs73864726	S8	NEK1	rs138090701S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	1.93E-08	0.787129	3.33E-05
phe.Fasting_rs73864726	S8	NEK1	rs138136869S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864726	S8	NEK1	rs138457103S10	DIAPH1	5.43E-12	2.22E-04	9.60E-09	2.89E-08	1	4.72E-05
phe.Fasting_rs73864726	S8	NEK1	rs138487229S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs138738950S8	"PCDHGB2,Pi	9.17E-12	0.000374383	1.48E-08	3.08E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs139297927S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05

phe.Fasting_rs73864726	S8	NEK1	rs139337303	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs139403963	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864726	S8	NEK1	rs139621309	S18	"LOC1005056	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs139828110	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864726	S8	NEK1	rs140070363	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs140644750	S13	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs141022544	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs141525984	S5	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs141926074	S8	ATE1	1.33E-06	1.00E+00	7.83E-04	2.84E-14	1.16E-06	2.14E-10
phe.Fasting_rs73864726	S8	NEK1	rs142480565	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs142718558	S7	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs142789100	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864726	S8	NEK1	rs142812798	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864726	S8	NEK1	rs143377827	S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	3.66E-09	0.14914	7.58E-06
phe.Fasting_rs73864726	S8	NEK1	rs143691978	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs73864726	S8	NEK1	rs144081334	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs73864726	S8	NEK1	rs144613910	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs145027704	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs73864726	S8	NEK1	rs146220673	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs146622060	S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs73864726	S8	NEK1	rs146815317	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.13E-07	1	3.94E-04
phe.Fasting_rs73864726	S8	NEK1	rs146878162	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs1470889	S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	1.27E-06	1	1.40E-03
phe.Fasting_rs73864726	S8	NEK1	rs1470890	S5	ZC3H3	3.60E-08	1	3.04E-05	1.27E-06	1	0.00139597
phe.Fasting_rs73864726	S8	NEK1	rs147314451	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs147417996	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs73864726	S8	NEK1	rs147506725	S21	"PCDHGA1,Pi	2.15E-05	1.00E+00	8.87E-03	3.33E-07	1	4.16E-04
phe.Fasting_rs73864726	S8	NEK1	rs147646948	S7	"LOC1005056	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs147677041	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864726	S8	NEK1	rs148116628	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs148423011	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs149019627	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864726	S8	NEK1	rs149075406	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs149334783	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs149553852	S21	"PCDHGA10,I	2.15E-05	1.00E+00	8.87E-03	3.33E-07	1	4.16E-04
phe.Fasting_rs73864726	S8	NEK1	rs149716949	S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	3.86E-09	0.15716	7.94E-06
phe.Fasting_rs73864726	S8	NEK1	rs149791570	S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864726	S8	NEK1	rs150117838	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.00E-07	1	0.000378616
phe.Fasting_rs73864726	S8	NEK1	rs150452206	S13	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs150675915	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05

phe.Fasting_rs73864726	S8	NEK1	rs150765570	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs150992994	S11	"PCDHGA5,PI	9.47E-12	3.87E-04	1.52E-08	2.95E-08	1	4.80E-05
phe.Fasting_rs73864726	S8	NEK1	rs151204700	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs151330468	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs73864726	S8	NEK1	rs16894241	S4	HIST1H2BK	5.24E-08	1.00E+00	4.28E-05	6.75E-07	1	0.000789743
phe.Fasting_rs73864726	S8	NEK1	rs180772028	S8	"DIAPH1,LOC	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs181224861	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs181247960	S21	"PCDHGA9,PI	2.15E-05	1.00E+00	8.87E-03	3.33E-07	1	0.000415605
phe.Fasting_rs73864726	S8	NEK1	rs181824655	S21	"PCDHGB6,PI	2.15E-05	1.00E+00	8.87E-03	3.33E-07	1	0.000415605
phe.Fasting_rs73864726	S8	NEK1	rs182714699	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs182965141	S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	2.45E-09	0.0995578	5.28E-06
phe.Fasting_rs73864726	S8	NEK1	rs183597049	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs183980988	S2	NA	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs184233232	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs184509477	S13	"PCDHGB4,PI	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs185069296	S15	"LOC1005056	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs185502834	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864726	S8	NEK1	rs185759881	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs186288044	S21	"PCDHGB4,PI	2.15E-05	1	8.87E-03	3.33E-07	1	0.000415605
phe.Fasting_rs73864726	S8	NEK1	rs187000011	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs188981295	S5	"RPS27AP10,	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs190559574	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864726	S8	NEK1	rs191544043	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs191766712	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs192690040	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs192765219	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs192770525	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864726	S8	NEK1	rs2924507	S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	1.27E-06	1	0.00139597
phe.Fasting_rs73864726	S8	NEK1	rs2924508	S8	ZC3H3	3.60E-08	1.00E+00	3.04E-05	1.77E-06	1	0.00186217
phe.Fasting_rs73864726	S8	NEK1	rs2924511	S7	ZC3H3	3.60E-08	1.00E+00	3.04E-05	1.08E-06	1	0.00121176
phe.Fasting_rs73864726	S8	NEK1	rs2924512	S7	ZC3H3	4.02E-08	1.00E+00	3.37E-05	1.35E-06	1	0.00147188
phe.Fasting_rs73864726	S8	NEK1	rs2956376	S8	ZC3H3	3.60E-08	1	3.04E-05	7.36E-07	1	0.000853057
phe.Fasting_rs73864726	S8	NEK1	rs2980270	S7	ZC3H3	3.60E-08	1	3.04E-05	7.36E-07	1	8.53E-04
phe.Fasting_rs73864726	S8	NEK1	rs2980272	S7	ZC3H3	4.02E-08	1.00E+00	3.37E-05	1.41E-06	1	0.00153088
phe.Fasting_rs73864726	S8	NEK1	rs2980275	S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	1.27E-06	1	0.00139597
phe.Fasting_rs73864726	S8	NEK1	rs35990401	S7	DIAPH1	8.40E-12	3.43E-04	1.39E-08	1.16E-08	0.474122	2.13E-05
phe.Fasting_rs73864726	S8	NEK1	rs366767	S5	ZC3H3	6.34E-08	1	5.08E-05	7.89E-07	1	0.000909793
phe.Fasting_rs73864726	S8	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864726	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	3.40E-12	0.000138444	1.43E-08
phe.Fasting_rs73864726	S8	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	1.80E-08	0.733806	3.14E-05

phe.Fasting_rs73864726	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs73864726	S8	NEK1	rs77798597	S7	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.00E-07	1	0.000378616
phe.Fasting_rs73864726	S8	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	4.64E-07	1	0.000558314
phe.Fasting_rs73864726	S8	NEK1	rs78736524	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.13E-07	1	0.000393894
phe.Fasting_rs73864726	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	3.36E-09	0.136596	7.04E-06
phe.Fasting_rs73864726	S8	NEK1	rs79781495	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.00E-07	1	0.000378616
phe.Fasting_rs73864726	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs73864726	S8	NEK1	rs80332465	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	3.13E-07	1	0.000393227
phe.Fasting_rs73864726	S8	NEK1	rs80334773	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	3.13E-07	1	0.000393227
phe.Fasting_rs73864731	S5	NEK1	rs112027720	S7	DIAPH1	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs112089881	S8	ZFAND4	3.81E-18	1.56E-10	5.82E-14	7.39E-09	0.300904	1.42E-05
phe.Fasting_rs73864731	S5	NEK1	rs113219478	S7	DIAPH1	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs113357907	S24	ISL1	1.21E-17	4.92E-10	1.05E-13	1.27E-15	5.16E-08	1.44E-11
phe.Fasting_rs73864731	S5	NEK1	rs115787552	S5	KPNA3	6.84E-16	2.79E-08	2.09E-12	3.13E-07	1	0.000393894
phe.Fasting_rs73864731	S5	NEK1	rs115888477	S8	NA	5.15E-15	2.10E-07	1.34E-11	2.44E-08	0.994402	4.03E-05
phe.Fasting_rs73864731	S5	NEK1	rs116011837	S9	BRD2	4.72E-17	1.93E-09	2.38E-13	3.18E-10	0.0129556	8.55E-07
phe.Fasting_rs73864731	S5	NEK1	rs116079984	S8	KPNA3	6.84E-16	2.79E-08	2.09E-12	3.67E-07	1	0.000454306
phe.Fasting_rs73864731	S5	NEK1	rs116120727	S9	BRD2	4.72E-17	1.93E-09	2.38E-13	3.18E-10	0.0129556	8.55E-07
phe.Fasting_rs73864731	S5	NEK1	rs138090701	S5	HDAC3	2.10E-12	8.59E-05	3.96E-09	1.93E-08	0.787129	3.33E-05
phe.Fasting_rs73864731	S5	NEK1	rs138136869	S7	DIAPH1	3.40E-12	1.39E-04	6.17E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864731	S5	NEK1	rs138457103	S10	DIAPH1	1.08E-11	4.40E-04	1.70E-08	2.89E-08	1	4.72E-05
phe.Fasting_rs73864731	S5	NEK1	rs138487229	S11	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs138738950	S8	"PCDHGB2,PI	1.77E-11	7.21E-04	2.67E-08	3.08E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs139297927	S8	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs139337303	S8	DIAPH1	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs139403963	S8	DIAPH1	3.40E-12	0.000138726	6.17E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864731	S5	NEK1	rs139621309	S18	"LOC100505(	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs139828110	S8	DIAPH1	3.40E-12	0.000138726	6.17E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864731	S5	NEK1	rs140070363	S8	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs140644750	S13	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs141022544	S8	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs141525984	S5	DIAPH1	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs141926074	S8	ATE1	2.53E-06	1.00E+00	1.37E-03	2.84E-14	1.16E-06	2.14E-10
phe.Fasting_rs73864731	S5	NEK1	rs142480565	S8	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs142718558	S7	"DIAPH1,LOC	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs142789100	S8	DIAPH1	3.40E-12	1.39E-04	6.17E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864731	S5	NEK1	rs142812798	S7	DIAPH1	3.40E-12	1.39E-04	6.17E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864731	S5	NEK1	rs143377827	S13	"DIAPH1,LOC	2.95E-12	1.21E-04	5.42E-09	3.66E-09	0.14914	7.58E-06
phe.Fasting_rs73864731	S5	NEK1	rs143691978	S11	DIAPH1	3.40E-12	1.39E-04	6.17E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs73864731	S5	NEK1	rs144081334	S11	DIAPH1	3.40E-12	0.000138726	6.17E-09	6.99E-09	0.284722	1.35E-05

phe.Fasting_rs73864731	S5	NEK1	rs144613910	S8	DIAPH1	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs145027704	S11	DIAPH1	3.40E-12	0.000138726	6.17E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs73864731	S5	NEK1	rs146220673	S7	DIAPH1	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs146622060	S13	DIAPH1	3.40E-12	0.000138726	6.17E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs73864731	S5	NEK1	rs146815317	S5	KPNA3	6.84E-16	2.79E-08	2.09E-12	3.13E-07	1	0.000393894
phe.Fasting_rs73864731	S5	NEK1	rs146878162	S7	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs1470889	S5	ZC3H3	4.57E-14	1.87E-06	1.09E-10	1.27E-06	1	0.00139597
phe.Fasting_rs73864731	S5	NEK1	rs1470890	S5	ZC3H3	4.57E-14	1.87E-06	1.09E-10	1.27E-06	1	0.00139597
phe.Fasting_rs73864731	S5	NEK1	rs147314451	S8	DIAPH1	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs147417996	S7	DIAPH1	3.40E-12	0.000138726	6.17E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs73864731	S5	NEK1	rs147646948	S7	"LOC1005056	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs147677041	S8	DIAPH1	3.40E-12	1.39E-04	6.17E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864731	S5	NEK1	rs148116628	S7	DIAPH1	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs148423011	S7	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs149019627	S8	DIAPH1	3.40E-12	1.39E-04	6.17E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864731	S5	NEK1	rs149075406	S8	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs149334783	S8	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs149716949	S5	DIAPH1	1.61E-12	6.59E-05	3.13E-09	3.86E-09	0.15716	7.94E-06
phe.Fasting_rs73864731	S5	NEK1	rs149791570	S5	DIAPH1	3.40E-12	1.39E-04	6.17E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864731	S5	NEK1	rs150117838	S8	KPNA3	6.84E-16	2.79E-08	2.09E-12	3.00E-07	1	0.000378616
phe.Fasting_rs73864731	S5	NEK1	rs150452206	S13	"DIAPH1,LOC	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs150675915	S7	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs150765570	S7	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs150992994	S11	"PCDHGAS,PI	1.84E-11	7.50E-04	2.76E-08	2.95E-08	1	4.80E-05
phe.Fasting_rs73864731	S5	NEK1	rs151204700	S8	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs151330468	S8	DIAPH1	3.40E-12	1.39E-04	6.17E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs73864731	S5	NEK1	rs16894241	S4	HIST1H2BK	1.09E-07	1.00E+00	8.26E-05	6.75E-07	1	0.000789743
phe.Fasting_rs73864731	S5	NEK1	rs180772028	S8	"DIAPH1,LOC	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs181224861	S7	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs182714699	S8	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs182965141	S8	DIAPH1	4.12E-12	1.68E-04	7.40E-09	2.45E-09	0.0995578	5.28E-06
phe.Fasting_rs73864731	S5	NEK1	rs183597049	S7	DIAPH1	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs183980988	S2	NA	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs184233232	S7	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs184509477	S13	"PCDHGB4,PI	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs185069296	S15	"LOC1005056	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs185502834	S8	DIAPH1	3.40E-12	1.39E-04	6.17E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864731	S5	NEK1	rs185759881	S7	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs187000011	S11	DIAPH1	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs188981295	S5	"RP527AP10,	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05

phe.Fasting_rs73864731	S5	NEK1	rs190559574	S7	DIAPH1	3.40E-12	0.000138726	6.17E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864731	S5	NEK1	rs191544043	S8	DIAPH1	1.77E-11	0.000720986	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs191766712	S7	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs192690040	S7	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs192765219	S7	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs192770525	S7	DIAPH1	1.77E-11	7.21E-04	2.67E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs73864731	S5	NEK1	rs2924507	S5	ZC3H3	4.57E-14	1.87E-06	1.09E-10	1.27E-06	1	0.00139597
phe.Fasting_rs73864731	S5	NEK1	rs2924508	S8	ZC3H3	4.57E-14	1.87E-06	1.09E-10	1.77E-06	1	0.00186217
phe.Fasting_rs73864731	S5	NEK1	rs2924511	S7	ZC3H3	4.57E-14	1.87E-06	1.09E-10	1.08E-06	1	0.00121176
phe.Fasting_rs73864731	S5	NEK1	rs2924512	S7	ZC3H3	5.29E-14	2.16E-06	1.24E-10	1.35E-06	1	0.00147188
phe.Fasting_rs73864731	S5	NEK1	rs2956376	S8	ZC3H3	4.57E-14	1.87E-06	1.09E-10	7.36E-07	1	0.000853057
phe.Fasting_rs73864731	S5	NEK1	rs2980270	S7	ZC3H3	4.57E-14	1.87E-06	1.09E-10	7.36E-07	1	0.000853057
phe.Fasting_rs73864731	S5	NEK1	rs2980272	S7	ZC3H3	5.29E-14	2.16E-06	1.24E-10	1.41E-06	1	0.00153088
phe.Fasting_rs73864731	S5	NEK1	rs2980275	S5	ZC3H3	4.57E-14	1.87E-06	1.09E-10	1.27E-06	1	0.00139597
phe.Fasting_rs73864731	S5	NEK1	rs35990401	S7	DIAPH1	1.65E-11	0.000673132	2.51E-08	1.16E-08	0.474122	2.13E-05
phe.Fasting_rs73864731	S5	NEK1	rs366767	S5	ZC3H3	8.06E-14	3.29E-06	1.85E-10	7.89E-07	1	0.000909793
phe.Fasting_rs73864731	S5	NEK1	rs55900860	S7	DIAPH1	3.40E-12	0.000138726	6.17E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs73864731	S5	NEK1	rs6881310	S23	ISL1	8.19E-17	3.35E-09	3.59E-13	3.40E-12	0.000138444	1.43E-08
phe.Fasting_rs73864731	S5	NEK1	rs73619637	S8	NA	1.99E-16	8.13E-09	6.94E-13	1.80E-08	0.733806	3.14E-05
phe.Fasting_rs73864731	S5	NEK1	rs77444916	S23	LOC642366	2.90E-17	1.18E-09	1.66E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs73864731	S5	NEK1	rs77798597	S7	KPNA3	6.84E-16	2.79E-08	2.09E-12	3.00E-07	1	0.000378616
phe.Fasting_rs73864731	S5	NEK1	rs78703708	S7	FAF2	1.94E-17	7.93E-10	1.40E-13	4.64E-07	1	0.000558314
phe.Fasting_rs73864731	S5	NEK1	rs78736524	S5	KPNA3	6.84E-16	2.79E-08	2.09E-12	3.13E-07	1	0.000393894
phe.Fasting_rs73864731	S5	NEK1	rs79517926	S15	"DIAPH1,LOC	5.55E-12	0.000226692	9.79E-09	3.36E-09	0.136596	7.04E-06
phe.Fasting_rs73864731	S5	NEK1	rs79781495	S8	KPNA3	6.84E-16	2.79E-08	2.09E-12	3.00E-07	1	0.000378616
phe.Fasting_rs73864731	S5	NEK1	rs80258830	S24	LOC642366	2.90E-17	1.18E-09	1.66E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs73864731	S5	NEK1	rs80332465	S5	KPNA3	7.33E-16	2.99E-08	2.24E-12	3.13E-07	1	0.000393227
phe.Fasting_rs73864731	S5	NEK1	rs80334773	S5	KPNA3	7.33E-16	2.99E-08	2.24E-12	3.13E-07	1	0.000393227
phe.Fasting_rs73864732	S8	NEK1	rs112027720	S7	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs112089881	S8	ZFAND4	4.28E-18	1.75E-10	6.33E-14	7.07E-09	0.287901	1.36E-05
phe.Fasting_rs73864732	S8	NEK1	rs113219478	S7	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs113357907	S24	ISL1	1.35E-17	5.51E-10	1.11E-13	1.21E-15	4.92E-08	1.38E-11
phe.Fasting_rs73864732	S8	NEK1	rs115787552	S5	KPNA3	7.55E-16	3.08E-08	2.30E-12	2.99E-07	1	0.000377369
phe.Fasting_rs73864732	S8	NEK1	rs115888477	S8	NA	5.66E-15	2.31E-07	1.47E-11	2.31E-08	0.940424	3.85E-05
phe.Fasting_rs73864732	S8	NEK1	rs116011837	S9	BRD2	5.27E-17	2.15E-09	2.57E-13	1.69E-10	0.00686251	4.88E-07
phe.Fasting_rs73864732	S8	NEK1	rs116079984	S8	KPNA3	7.55E-16	3.08E-08	2.30E-12	3.51E-07	1	0.000436125
phe.Fasting_rs73864732	S8	NEK1	rs116120727	S9	BRD2	5.27E-17	2.15E-09	2.57E-13	1.69E-10	0.00686251	4.88E-07
phe.Fasting_rs73864732	S8	NEK1	rs138090701	S5	HDAC3	2.27E-12	9.27E-05	4.24E-09	1.87E-08	0.760637	3.23E-05
phe.Fasting_rs73864732	S8	NEK1	rs138136869	S7	DIAPH1	3.66E-12	0.000149366	6.60E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864732	S8	NEK1	rs138457103	S10	DIAPH1	1.16E-11	0.000472182	1.82E-08	2.89E-08	1	4.71E-05

phe.Fasting_rs73864732	S8	NEK1	rs138487229	S11	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs138738950	S8	"PCDHGB2,PI	1.89E-11	0.000772619	2.83E-08	3.11E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs139297927	S8	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs139337303	S8	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs139403963	S8	DIAPH1	3.66E-12	0.000149366	6.60E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864732	S8	NEK1	rs139621309	S18	"LOC1005056	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs139828110	S8	DIAPH1	3.66E-12	0.000149366	6.60E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864732	S8	NEK1	rs140070363	S8	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs140644750	S13	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs141022544	S8	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs141525984	S5	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs141926074	S8	ATE1	2.61E-06	1	1.41E-03	2.76E-14	1.13E-06	2.08E-10
phe.Fasting_rs73864732	S8	NEK1	rs142480565	S8	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs142718558	S7	"DIAPH1,LOC	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs142789100	S8	DIAPH1	3.66E-12	1.49E-04	6.60E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864732	S8	NEK1	rs142812798	S7	DIAPH1	3.66E-12	1.49E-04	6.60E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864732	S8	NEK1	rs143377827	S13	"DIAPH1,LOC	3.18E-12	1.30E-04	5.81E-09	3.71E-09	0.151122	7.67E-06
phe.Fasting_rs73864732	S8	NEK1	rs143691978	S11	DIAPH1	3.66E-12	1.49E-04	6.60E-09	7.03E-09	0.286317	1.35E-05
phe.Fasting_rs73864732	S8	NEK1	rs144081334	S11	DIAPH1	3.66E-12	1.49E-04	6.60E-09	7.03E-09	0.286317	1.35E-05
phe.Fasting_rs73864732	S8	NEK1	rs144613910	S8	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs145027704	S11	DIAPH1	3.66E-12	0.000149366	6.60E-09	7.03E-09	0.286317	1.35E-05
phe.Fasting_rs73864732	S8	NEK1	rs146220673	S7	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs146622060	S13	DIAPH1	3.66E-12	1.49E-04	6.60E-09	7.03E-09	0.286317	1.35E-05
phe.Fasting_rs73864732	S8	NEK1	rs146815317	S5	KPNA3	7.55E-16	3.08E-08	2.30E-12	2.99E-07	1	3.77E-04
phe.Fasting_rs73864732	S8	NEK1	rs146878162	S7	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs1470889	S5	ZC3H3	4.99E-14	2.04E-06	1.18E-10	1.31E-06	1	0.00143883
phe.Fasting_rs73864732	S8	NEK1	rs1470890	S5	ZC3H3	4.99E-14	2.04E-06	1.18E-10	1.31E-06	1	0.00143883
phe.Fasting_rs73864732	S8	NEK1	rs147314451	S8	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs147417996	S7	DIAPH1	3.66E-12	1.49E-04	6.60E-09	7.03E-09	0.286317	1.35E-05
phe.Fasting_rs73864732	S8	NEK1	rs147646948	S7	"LOC1005056	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs147677041	S8	DIAPH1	3.66E-12	1.49E-04	6.60E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864732	S8	NEK1	rs148116628	S7	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs148423011	S7	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs149019627	S8	DIAPH1	3.66E-12	0.000149366	6.60E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864732	S8	NEK1	rs149075406	S8	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs149334783	S8	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs149716949	S5	DIAPH1	1.74E-12	7.11E-05	3.33E-09	3.84E-09	0.15623	7.90E-06
phe.Fasting_rs73864732	S8	NEK1	rs149791570	S5	DIAPH1	3.66E-12	0.000149366	6.60E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864732	S8	NEK1	rs150117838	S8	KPNA3	7.55E-16	3.08E-08	2.30E-12	2.86E-07	1	0.000362927
phe.Fasting_rs73864732	S8	NEK1	rs150452206	S13	"DIAPH1,LOC	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05

phe.Fasting_rs73864732	S8	NEK1	rs150675915	S7	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs150765570	S7	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs150992994	S11	"PCDHGAS,PI	1.97E-11	0.000803211	2.93E-08	2.98E-08	1	4.84E-05
phe.Fasting_rs73864732	S8	NEK1	rs151204700	S8	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs151330468	S8	DIAPH1	3.66E-12	1.49E-04	6.60E-09	7.03E-09	0.286317	1.35E-05
phe.Fasting_rs73864732	S8	NEK1	rs16894241	S4	HIST1H2BK	1.14E-07	1	8.59E-05	6.83E-07	1	0.000796439
phe.Fasting_rs73864732	S8	NEK1	rs180772028	S8	"DIAPH1,LOC	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs181224861	S7	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs182714699	S8	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs182965141	S8	DIAPH1	4.44E-12	1.81E-04	7.95E-09	2.45E-09	0.0998086	5.29E-06
phe.Fasting_rs73864732	S8	NEK1	rs183597049	S7	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs183980988	S2	NA	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs184233232	S7	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs184509477	S13	"PCDHGB4,PI	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs185069296	S15	"LOC1005056	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs185502834	S8	DIAPH1	3.66E-12	1.49E-04	6.60E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864732	S8	NEK1	rs185759881	S7	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs187000011	S11	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs188981295	S5	"RPS27AP10,	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs190559574	S7	DIAPH1	3.66E-12	0.000149366	6.60E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864732	S8	NEK1	rs191544043	S8	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs191766712	S7	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs192690040	S7	DIAPH1	1.89E-11	0.000772619	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs192765219	S7	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs192770525	S7	DIAPH1	1.89E-11	7.73E-04	2.83E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864732	S8	NEK1	rs2924507	S5	ZC3H3	4.99E-14	2.04E-06	1.18E-10	1.31E-06	1	0.00143883
phe.Fasting_rs73864732	S8	NEK1	rs2924508	S8	ZC3H3	4.99E-14	2.04E-06	1.18E-10	1.83E-06	1	0.00191245
phe.Fasting_rs73864732	S8	NEK1	rs2924511	S7	ZC3H3	4.99E-14	2.04E-06	1.18E-10	1.12E-06	1	0.00124617
phe.Fasting_rs73864732	S8	NEK1	rs2924512	S7	ZC3H3	5.77E-14	2.36E-06	1.35E-10	1.38E-06	1	0.0015028
phe.Fasting_rs73864732	S8	NEK1	rs2956376	S8	ZC3H3	4.99E-14	2.04E-06	1.18E-10	7.59E-07	1	0.000876595
phe.Fasting_rs73864732	S8	NEK1	rs2980270	S7	ZC3H3	4.99E-14	2.04E-06	1.18E-10	7.59E-07	1	0.000876595
phe.Fasting_rs73864732	S8	NEK1	rs2980272	S7	ZC3H3	5.77E-14	2.36E-06	1.35E-10	1.44E-06	1	0.0015601
phe.Fasting_rs73864732	S8	NEK1	rs2980275	S5	ZC3H3	4.99E-14	2.04E-06	1.18E-10	1.31E-06	1	0.00143883
phe.Fasting_rs73864732	S8	NEK1	rs35990401	S7	DIAPH1	1.77E-11	0.000721305	2.67E-08	1.17E-08	0.475359	2.13E-05
phe.Fasting_rs73864732	S8	NEK1	rs366767	S5	ZC3H3	8.80E-14	3.59E-06	2.01E-10	8.18E-07	1	0.000940029
phe.Fasting_rs73864732	S8	NEK1	rs55900860	S7	DIAPH1	3.66E-12	0.000149366	6.60E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864732	S8	NEK1	rs6881310	S23	ISL1	9.11E-17	3.72E-09	3.94E-13	3.29E-12	0.000134008	1.39E-08
phe.Fasting_rs73864732	S8	NEK1	rs73619637	S8	NA	2.21E-16	9.03E-09	7.55E-13	1.75E-08	0.713427	3.05E-05
phe.Fasting_rs73864732	S8	NEK1	rs77444916	S23	LOC642366	3.24E-17	1.32E-09	1.81E-13	1.13E-15	4.62E-08	1.30E-11
phe.Fasting_rs73864732	S8	NEK1	rs77798597	S7	KPNA3	7.55E-16	3.08E-08	2.30E-12	2.86E-07	1	3.63E-04



phe.Fasting_rs73864732	S8	NEK1	rs78703708	S7	FAF2	2.64E-17	1.08E-09	1.62E-13	4.44E-07	1	0.000536698
phe.Fasting_rs73864732	S8	NEK1	rs78736524	S5	KPNA3	7.55E-16	3.08E-08	2.30E-12	2.99E-07	1	0.000377369
phe.Fasting_rs73864732	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	5.97E-12	0.000243889	1.05E-08	1.84E-09	0.0750025	4.09E-06
phe.Fasting_rs73864732	S8	NEK1	rs79781495	S8	KPNA3	7.55E-16	3.08E-08	2.30E-12	2.86E-07	1	0.000362927
phe.Fasting_rs73864732	S8	NEK1	rs80258830	S24	LOC642366	3.24E-17	1.32E-09	1.81E-13	1.13E-15	4.62E-08	1.30E-11
phe.Fasting_rs73864732	S8	NEK1	rs80332465	S5	KPNA3	8.09E-16	3.30E-08	2.45E-12	2.98E-07	1	0.000377054
phe.Fasting_rs73864732	S8	NEK1	rs80334773	S5	KPNA3	8.09E-16	3.30E-08	2.45E-12	2.98E-07	1	0.000377054
phe.Fasting_rs73864740	S2	NA	rs112027720	S7	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs112089881	S8	ZFAND4	4.14E-18	1.69E-10	6.16E-14	7.07E-09	0.287901	1.36E-05
phe.Fasting_rs73864740	S2	NA	rs113219478	S7	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs113357907	S24	ISL1	1.30E-17	5.33E-10	1.09E-13	1.21E-15	4.92E-08	1.38E-11
phe.Fasting_rs73864740	S2	NA	rs115787552	S5	KPNA3	7.38E-16	3.01E-08	2.25E-12	2.99E-07	1	0.000377369
phe.Fasting_rs73864740	S2	NA	rs115888477	S8	NA	5.60E-15	2.29E-07	1.45E-11	2.31E-08	0.940424	3.85E-05
phe.Fasting_rs73864740	S2	NA	rs116011837	S9	BRD2	5.05E-17	2.06E-09	2.49E-13	1.69E-10	0.00686251	4.88E-07
phe.Fasting_rs73864740	S2	NA	rs116079984	S8	KPNA3	7.38E-16	3.01E-08	2.25E-12	3.51E-07	1	0.000436125
phe.Fasting_rs73864740	S2	NA	rs116120727	S9	BRD2	5.05E-17	2.06E-09	2.49E-13	1.69E-10	0.00686251	4.88E-07
phe.Fasting_rs73864740	S2	NA	rs138090701	S5	HDAC3	2.27E-12	9.26E-05	4.24E-09	1.87E-08	0.760637	3.23E-05
phe.Fasting_rs73864740	S2	NA	rs138136869	S7	DIAPH1	3.54E-12	0.000144562	6.40E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864740	S2	NA	rs138457103	S10	DIAPH1	1.12E-11	0.00045829	1.77E-08	2.89E-08	1	4.71E-05
phe.Fasting_rs73864740	S2	NA	rs138487229	S11	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs138738950	S8	"PCDHGB2,PI	1.87E-11	7.63E-04	2.80E-08	3.11E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs139297927	S8	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs139337303	S8	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs139403963	S8	DIAPH1	3.54E-12	0.000144562	6.40E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864740	S2	NA	rs139621309	S18	"LOC1005056	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs139828110	S8	DIAPH1	3.54E-12	1.45E-04	6.40E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864740	S2	NA	rs140070363	S8	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs140644750	S13	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs141022544	S8	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs141525984	S5	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs141926074	S8	ATE1	2.55E-06	1.00E+00	1.38E-03	2.76E-14	1.13E-06	2.08E-10
phe.Fasting_rs73864740	S2	NA	rs142480565	S8	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs142718558	S7	"DIAPH1,LOC	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs142789100	S8	DIAPH1	3.54E-12	1.45E-04	6.40E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864740	S2	NA	rs142812798	S7	DIAPH1	3.54E-12	1.45E-04	6.40E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864740	S2	NA	rs143377827	S13	"DIAPH1,LOC	3.11E-12	0.00012707	5.69E-09	3.71E-09	0.151122	7.67E-06
phe.Fasting_rs73864740	S2	NA	rs143691978	S11	DIAPH1	3.54E-12	0.000144562	6.40E-09	7.03E-09	0.286317	1.35E-05
phe.Fasting_rs73864740	S2	NA	rs144081334	S11	DIAPH1	3.54E-12	1.45E-04	6.40E-09	7.03E-09	0.286317	1.35E-05
phe.Fasting_rs73864740	S2	NA	rs144613910	S8	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs145027704	S11	DIAPH1	3.54E-12	1.45E-04	6.40E-09	7.03E-09	0.286317	1.35E-05

phe.Fasting_rs73864740	S2	NA	rs146220673	S7	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs146622060	S13	DIAPH1	3.54E-12	1.45E-04	6.40E-09	7.03E-09	0.286317	1.35E-05
phe.Fasting_rs73864740	S2	NA	rs146815317	S5	KPNA3	7.38E-16	3.01E-08	2.25E-12	2.99E-07	1	0.000377369
phe.Fasting_rs73864740	S2	NA	rs146878162	S7	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs1470889	S5	ZC3H3	4.25E-14	1.73E-06	1.01E-10	1.31E-06	1	0.00143883
phe.Fasting_rs73864740	S2	NA	rs1470890	S5	ZC3H3	4.25E-14	1.73E-06	1.01E-10	1.31E-06	1	0.00143883
phe.Fasting_rs73864740	S2	NA	rs147314451	S8	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs147417996	S7	DIAPH1	3.54E-12	0.000144562	6.40E-09	7.03E-09	0.286317	1.35E-05
phe.Fasting_rs73864740	S2	NA	rs147646948	S7	"LOC1005056	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs147677041	S8	DIAPH1	3.54E-12	0.000144562	6.40E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864740	S2	NA	rs148116628	S7	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs148423011	S7	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs149019627	S8	DIAPH1	3.54E-12	1.45E-04	6.40E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864740	S2	NA	rs149075406	S8	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs149334783	S8	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs149716949	S5	DIAPH1	1.68E-12	6.88E-05	3.23E-09	3.84E-09	0.15623	7.90E-06
phe.Fasting_rs73864740	S2	NA	rs149791570	S5	DIAPH1	3.54E-12	1.45E-04	6.40E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864740	S2	NA	rs150117838	S8	KPNA3	7.38E-16	3.01E-08	2.25E-12	2.86E-07	1	0.000362927
phe.Fasting_rs73864740	S2	NA	rs150452206	S13	"DIAPH1,LOC	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs150675915	S7	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs150765570	S7	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs150992994	S11	"PCDHGA5,PI	1.94E-11	0.000793426	2.90E-08	2.98E-08	1	4.84E-05
phe.Fasting_rs73864740	S2	NA	rs151204700	S8	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs151330468	S8	DIAPH1	3.54E-12	0.000144562	6.40E-09	7.03E-09	0.286317	1.35E-05
phe.Fasting_rs73864740	S2	NA	rs16894241	S4	HIST1H2BK	1.14E-07	1	8.56E-05	6.83E-07	1	0.000796439
phe.Fasting_rs73864740	S2	NA	rs180772028	S8	"DIAPH1,LOC	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs181224861	S7	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs182714699	S8	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs182965141	S8	DIAPH1	4.31E-12	1.76E-04	7.73E-09	2.45E-09	0.0998086	5.29E-06
phe.Fasting_rs73864740	S2	NA	rs183597049	S7	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs183980988	S2	NA	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs184233232	S7	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs184509477	S13	"PCDHGB4,PI	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs185069296	S15	"LOC1005056	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs185502834	S8	DIAPH1	3.54E-12	0.000144562	6.40E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864740	S2	NA	rs185759881	S7	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs187000011	S11	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs188981295	S5	"RPS27AP10,	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs190559574	S7	DIAPH1	3.54E-12	1.45E-04	6.40E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864740	S2	NA	rs191544043	S8	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05

phe.Fasting_rs73864740	S2	NA	rs191766712	S7	DIAPH1	1.87E-11	0.000763044	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs192690040	S7	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs192765219	S7	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs192770525	S7	DIAPH1	1.87E-11	7.63E-04	2.80E-08	3.12E-08	1	5.00E-05
phe.Fasting_rs73864740	S2	NA	rs2924507	S5	ZC3H3	4.25E-14	1.73E-06	1.01E-10	1.31E-06	1	0.00143883
phe.Fasting_rs73864740	S2	NA	rs2924508	S8	ZC3H3	4.25E-14	1.73E-06	1.01E-10	1.83E-06	1	0.00191245
phe.Fasting_rs73864740	S2	NA	rs2924511	S7	ZC3H3	4.25E-14	1.73E-06	1.01E-10	1.12E-06	1	0.00124617
phe.Fasting_rs73864740	S2	NA	rs2924512	S7	ZC3H3	4.91E-14	2.01E-06	1.16E-10	1.38E-06	1	0.0015028
phe.Fasting_rs73864740	S2	NA	rs2956376	S8	ZC3H3	4.25E-14	1.73E-06	1.01E-10	7.59E-07	1	0.000876595
phe.Fasting_rs73864740	S2	NA	rs2980270	S7	ZC3H3	4.25E-14	1.73E-06	1.01E-10	7.59E-07	1	0.000876595
phe.Fasting_rs73864740	S2	NA	rs2980272	S7	ZC3H3	4.91E-14	2.01E-06	1.16E-10	1.44E-06	1	0.0015601
phe.Fasting_rs73864740	S2	NA	rs2980275	S5	ZC3H3	4.25E-14	1.73E-06	1.01E-10	1.31E-06	1	0.00143883
phe.Fasting_rs73864740	S2	NA	rs35990401	S7	DIAPH1	1.73E-11	0.000704707	2.62E-08	1.17E-08	0.475359	2.13E-05
phe.Fasting_rs73864740	S2	NA	rs366767	S5	ZC3H3	7.46E-14	3.05E-06	1.72E-10	8.18E-07	1	0.000940029
phe.Fasting_rs73864740	S2	NA	rs55900860	S7	DIAPH1	3.54E-12	1.45E-04	6.40E-09	4.48E-09	0.182538	9.06E-06
phe.Fasting_rs73864740	S2	NA	rs6881310	S23	ISL1	8.85E-17	3.61E-09	3.83E-13	3.29E-12	0.000134008	1.39E-08
phe.Fasting_rs73864740	S2	NA	rs73619637	S8	NA	2.14E-16	8.75E-09	7.33E-13	1.75E-08	0.713427	3.05E-05
phe.Fasting_rs73864740	S2	NA	rs77444916	S23	LOC642366	3.15E-17	1.29E-09	1.77E-13	1.13E-15	4.62E-08	1.30E-11
phe.Fasting_rs73864740	S2	NA	rs77798597	S7	KPNA3	7.38E-16	3.01E-08	2.25E-12	2.86E-07	1	0.000362927
phe.Fasting_rs73864740	S2	NA	rs78703708	S7	FAF2	2.55E-17	1.04E-09	1.58E-13	4.44E-07	1	0.000536698
phe.Fasting_rs73864740	S2	NA	rs78736524	S5	KPNA3	7.38E-16	3.01E-08	2.25E-12	2.99E-07	1	0.000377369
phe.Fasting_rs73864740	S2	NA	rs79517926	S15	"DIAPH1,LOC	5.87E-12	0.000239796	1.03E-08	1.84E-09	0.0750025	4.09E-06
phe.Fasting_rs73864740	S2	NA	rs79781495	S8	KPNA3	7.38E-16	3.01E-08	2.25E-12	2.86E-07	1	3.63E-04
phe.Fasting_rs73864740	S2	NA	rs80258830	S24	LOC642366	3.15E-17	1.29E-09	1.77E-13	1.13E-15	4.62E-08	1.30E-11
phe.Fasting_rs73864740	S2	NA	rs80332465	S5	KPNA3	7.91E-16	3.23E-08	2.40E-12	2.98E-07	1	0.000377054
phe.Fasting_rs73864740	S2	NA	rs80334773	S5	KPNA3	7.91E-16	3.23E-08	2.40E-12	2.98E-07	1	0.000377054
phe.Fasting_rs73864759	S8	CLCN3	rs112027720	S7	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs112089881	S8	ZFAND4	5.95E-10	2.43E-02	6.75E-07	4.55E-06	1	0.00422197
phe.Fasting_rs73864759	S8	CLCN3	rs113219478	S7	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs113357907	S24	ISL1	3.21E-18	1.31E-10	5.44E-14	6.03E-16	2.45E-08	1.16E-11
phe.Fasting_rs73864759	S8	CLCN3	rs115787552	S5	KPNA3	1.98E-16	8.11E-09	6.92E-13	1.29E-07	1	0.000178548
phe.Fasting_rs73864759	S8	CLCN3	rs115888477	S8	NA	1.55E-15	6.35E-08	4.46E-12	9.65E-09	0.39269	1.81E-05
phe.Fasting_rs73864759	S8	CLCN3	rs116011837	S9	BRD2	1.28E-17	5.24E-10	1.08E-13	1.59E-10	0.00649019	4.65E-07
phe.Fasting_rs73864759	S8	CLCN3	rs116079984	S8	KPNA3	1.98E-16	8.11E-09	6.92E-13	1.56E-07	1	0.000211109
phe.Fasting_rs73864759	S8	CLCN3	rs116120727	S9	BRD2	1.28E-17	5.24E-10	1.08E-13	1.59E-10	0.00649019	4.65E-07
phe.Fasting_rs73864759	S8	CLCN3	rs116279995	S20	"PCDHGA4,Pi	1.42E-05	1.00E+00	6.17E-03	1.50E-07	1	0.000204496
phe.Fasting_rs73864759	S8	CLCN3	rs138090701	S5	HDAC3	6.54E-13	2.67E-05	1.37E-09	8.01E-09	0.326171	1.53E-05
phe.Fasting_rs73864759	S8	CLCN3	rs138136869	S7	DIAPH1	1.12E-12	4.56E-05	2.25E-09	1.98E-09	0.080627	4.38E-06
phe.Fasting_rs73864759	S8	CLCN3	rs138457103	S10	DIAPH1	3.79E-12	1.55E-04	6.83E-09	1.41E-08	0.57194	2.52E-05
phe.Fasting_rs73864759	S8	CLCN3	rs138487229	S11	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05

phe.Fasting_rs73864759	S8	CLCN3	rs138738950	S8	"PCDHGB2,Pi	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.605195	2.64E-05
phe.Fasting_rs73864759	S8	CLCN3	rs139297927	S8	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs139337303	S8	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs139403963	S8	DIAPH1	1.12E-12	4.56E-05	2.25E-09	1.98E-09	0.080627	4.38E-06
phe.Fasting_rs73864759	S8	CLCN3	rs139621309	S18	"LOC10050505	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs139828110	S8	DIAPH1	1.12E-12	4.56E-05	2.25E-09	1.98E-09	0.080627	4.38E-06
phe.Fasting_rs73864759	S8	CLCN3	rs140070363	S8	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs140644750	S13	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs141022544	S8	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs141525984	S5	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs141692339	S3	"PCDHGA6,Pi	1.71E-05	1	7.27E-03	2.08E-07	1	0.000273582
phe.Fasting_rs73864759	S8	CLCN3	rs141926074	S8	ATE1	8.39E-07	1	5.18E-04	1.31E-14	5.34E-07	1.12E-10
phe.Fasting_rs73864759	S8	CLCN3	rs142480565	S8	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs142718558	S7	"DIAPH1,LOC	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs142789100	S8	DIAPH1	1.12E-12	4.56E-05	2.25E-09	1.98E-09	0.080627	4.38E-06
phe.Fasting_rs73864759	S8	CLCN3	rs142812798	S7	DIAPH1	1.12E-12	4.56E-05	2.25E-09	1.98E-09	0.080627	4.38E-06
phe.Fasting_rs73864759	S8	CLCN3	rs143377827	S13	"DIAPH1,LOC	9.85E-13	4.02E-05	2.03E-09	1.63E-09	0.0664337	3.68E-06
phe.Fasting_rs73864759	S8	CLCN3	rs143691978	S11	DIAPH1	1.12E-12	4.56E-05	2.25E-09	3.27E-09	0.133218	6.88E-06
phe.Fasting_rs73864759	S8	CLCN3	rs144081334	S11	DIAPH1	1.12E-12	4.56E-05	2.25E-09	3.27E-09	0.133218	6.88E-06
phe.Fasting_rs73864759	S8	CLCN3	rs144613910	S8	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs145027704	S11	DIAPH1	1.12E-12	4.56E-05	2.25E-09	3.27E-09	0.133218	6.88E-06
phe.Fasting_rs73864759	S8	CLCN3	rs146220673	S7	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs146622060	S13	DIAPH1	1.12E-12	4.56E-05	2.25E-09	3.27E-09	0.133218	6.88E-06
phe.Fasting_rs73864759	S8	CLCN3	rs146815317	S5	KPNA3	1.98E-16	8.11E-09	6.92E-13	1.29E-07	1	0.000178548
phe.Fasting_rs73864759	S8	CLCN3	rs146878162	S7	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs147314451	S8	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs147417996	S7	DIAPH1	1.12E-12	4.56E-05	2.25E-09	3.27E-09	0.133218	6.88E-06
phe.Fasting_rs73864759	S8	CLCN3	rs147506725	S21	"PCDHGA1,Pi	1.42E-05	1	6.17E-03	1.50E-07	1	0.000204496
phe.Fasting_rs73864759	S8	CLCN3	rs147646948	S7	"LOC10050505	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs147677041	S8	DIAPH1	1.12E-12	4.56E-05	2.25E-09	1.98E-09	0.080627	4.38E-06
phe.Fasting_rs73864759	S8	CLCN3	rs148116628	S7	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs148423011	S7	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs149019627	S8	DIAPH1	1.12E-12	4.56E-05	2.25E-09	1.98E-09	0.080627	4.38E-06
phe.Fasting_rs73864759	S8	CLCN3	rs149075406	S8	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs149334783	S8	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs149553852	S21	"PCDHGA10,	1.42E-05	1.00E+00	6.17E-03	1.50E-07	1	0.000204496
phe.Fasting_rs73864759	S8	CLCN3	rs149716949	S5	DIAPH1	5.07E-13	2.07E-05	1.07E-09	1.74E-09	0.0706524	3.88E-06
phe.Fasting_rs73864759	S8	CLCN3	rs149791570	S5	DIAPH1	1.12E-12	4.56E-05	2.25E-09	1.98E-09	0.080627	4.38E-06
phe.Fasting_rs73864759	S8	CLCN3	rs150117838	S8	KPNA3	1.98E-16	8.11E-09	6.92E-13	1.25E-07	1	0.000173671
phe.Fasting_rs73864759	S8	CLCN3	rs150452206	S13	"DIAPH1,LOC	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05

phe.Fasting_rs73864759	S8	CLCN3	rs150675915	S7	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs150765570	S7	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs150992994	S11	"PCDHGA5,PI	6.70E-12	0.000273722	1.16E-08	1.45E-08	0.589488	2.58E-05
phe.Fasting_rs73864759	S8	CLCN3	rs151204700	S8	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs151330468	S8	DIAPH1	1.12E-12	4.56E-05	2.25E-09	3.27E-09	0.133218	6.88E-06
phe.Fasting_rs73864759	S8	CLCN3	rs16894241	S4	HIST1H2BK	3.77E-08	1.00E+00	3.17E-05	3.80E-07	1	0.000469583
phe.Fasting_rs73864759	S8	CLCN3	rs180772028	S8	"DIAPH1,LOC	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs181224861	S7	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs181247960	S21	"PCDHGA9,PI	1.42E-05	1	6.17E-03	1.50E-07	1	0.000204496
phe.Fasting_rs73864759	S8	CLCN3	rs181824655	S21	"PCDHGB6,PI	1.42E-05	1	0.00616571	1.50E-07	1	0.000204496
phe.Fasting_rs73864759	S8	CLCN3	rs182714699	S8	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs182965141	S8	DIAPH1	1.40E-12	5.71E-05	2.75E-09	1.02E-09	0.0414814	2.42E-06
phe.Fasting_rs73864759	S8	CLCN3	rs183597049	S7	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs183980988	S2	NA	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs184233232	S7	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs184509477	S13	"PCDHGB4,PI	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs185069296	S15	"LOC1005056	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs185502834	S8	DIAPH1	1.12E-12	4.56E-05	2.25E-09	1.98E-09	0.080627	4.38E-06
phe.Fasting_rs73864759	S8	CLCN3	rs185759881	S7	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs186288004	S21	"PCDHGB4,PI	1.42E-05	1	6.17E-03	1.50E-07	1	0.000204496
phe.Fasting_rs73864759	S8	CLCN3	rs187000011	S11	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs188981295	S5	"RPS27AP10,	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs190559574	S7	DIAPH1	1.12E-12	4.56E-05	2.25E-09	1.98E-09	0.080627	4.38E-06
phe.Fasting_rs73864759	S8	CLCN3	rs191544043	S8	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs191766712	S7	DIAPH1	6.48E-12	0.000264637	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs192690040	S7	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs192765219	S7	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs192770525	S7	DIAPH1	6.48E-12	2.65E-04	1.13E-08	1.49E-08	0.608284	2.65E-05
phe.Fasting_rs73864759	S8	CLCN3	rs35990401	S7	DIAPH1	5.98E-12	2.44E-04	1.05E-08	5.60E-09	0.227887	1.10E-05
phe.Fasting_rs73864759	S8	CLCN3	rs55900860	S7	DIAPH1	1.12E-12	4.56E-05	2.25E-09	1.98E-09	0.080627	4.38E-06
phe.Fasting_rs73864759	S8	CLCN3	rs6881310	S23	ISL1	2.32E-17	9.49E-10	1.47E-13	1.40E-12	5.72E-05	6.34E-09
phe.Fasting_rs73864759	S8	CLCN3	rs73619637	S8	NA	5.90E-17	2.41E-09	2.79E-13	1.06E-08	0.430916	1.95E-05
phe.Fasting_rs73864759	S8	CLCN3	rs77444916	S23	LOC642366	8.01E-18	3.27E-10	8.58E-14	5.65E-16	2.30E-08	1.16E-11
phe.Fasting_rs73864759	S8	CLCN3	rs77798597	S7	KPNA3	1.98E-16	8.11E-09	6.92E-13	1.25E-07	1	0.000173671
phe.Fasting_rs73864759	S8	CLCN3	rs78703708	S7	FAF2	2.41E-05	1	9.81E-03	8.99E-08	1	0.000128715
phe.Fasting_rs73864759	S8	CLCN3	rs78736524	S5	KPNA3	1.98E-16	8.11E-09	6.92E-13	1.29E-07	1	0.000178548
phe.Fasting_rs73864759	S8	CLCN3	rs79517926	S15	"DIAPH1,LOC	1.72E-12	7.03E-05	3.30E-09	8.60E-08	1	0.000123728
phe.Fasting_rs73864759	S8	CLCN3	rs79781495	S8	KPNA3	1.98E-16	8.11E-09	6.92E-13	1.25E-07	1	0.000173671
phe.Fasting_rs73864759	S8	CLCN3	rs80258830	S24	LOC642366	8.01E-18	3.27E-10	8.58E-14	5.65E-16	2.30E-08	1.16E-11
phe.Fasting_rs73864759	S8	CLCN3	rs80332465	S5	KPNA3	2.13E-16	8.69E-09	7.28E-13	1.29E-07	1	0.000178473

phe.Fasting_rs73864759	S8	CLCN3	rs80334773	S5	KPNA3	2.13E-16	8.69E-09	7.28E-13	1.29E-07	1	0.000178473
phe.Fasting_rs73879173	S8	PHC3	rs111576333	S5	TMEM64	2.07E-08	0.844108	1.82E-05	2.31E-10	0.00941342	6.43E-07
phe.Fasting_rs73879173	S8	PHC3	rs112091318	S5	TMEM64	6.28E-09	0.256524	6.07E-06	3.37E-10	0.013698	8.96E-07
phe.Fasting_rs73879173	S8	PHC3	rs112348319	S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs73879173	S8	PHC3	rs112608164	S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs73879173	S8	PHC3	rs113568654	S12	SPTLC1	1.84E-05	1	0.00776102	1.04E-08	0.421423	1.91E-05
phe.Fasting_rs73879173	S8	PHC3	rs114565620	S8	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	4.90E-04
phe.Fasting_rs73879173	S8	PHC3	rs115083290	S19	NA	8.85E-08	1.00E+00	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_rs73879173	S8	PHC3	rs115752779	S19	NA	8.85E-08	1.00E+00	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_rs73879173	S8	PHC3	rs115888477	S8	NA	1.34E-06	1.00E+00	7.91E-04	7.82E-11	0.00318365	2.44E-07
phe.Fasting_rs73879173	S8	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs73879173	S8	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs73879173	S8	PHC3	rs116548615	S8	TMEM45B	5.29E-19	2.16E-11	2.49E-14	7.92E-10	0.0322544	1.95E-06
phe.Fasting_rs73879173	S8	PHC3	rs11989304	S4	TMEM64	2.07E-08	8.44E-01	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs73879173	S8	PHC3	rs140524622	S7	MRPL10	2.30E-08	9.39E-01	2.01E-05	2.14E-06	1	0.00219216
phe.Fasting_rs73879173	S8	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs73879173	S8	PHC3	rs73392640	S8	POLR3B	6.58E-08	1.00E+00	5.26E-05	8.97E-06	1	7.47E-03
phe.Fasting_rs73879173	S8	PHC3	rs74627895	S8	TMEM64	6.28E-09	2.57E-01	6.07E-06	1.27E-06	1	1.40E-03
phe.Fasting_rs73879173	S8	PHC3	rs75350765	S5	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	4.90E-04
phe.Fasting_rs73879173	S8	PHC3	rs75506779	S5	TMCO3	7.38E-14	3.01E-06	1.70E-10	3.50E-06	1	0.00334821
phe.Fasting_rs73879173	S8	PHC3	rs75949566	S5	TMEM64	2.26E-08	0.923876	1.98E-05	3.24E-10	0.0132	8.70E-07
phe.Fasting_rs73879173	S8	PHC3	rs76542405	S5	SPTLC1	1.92E-05	1	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs73879173	S8	PHC3	rs77523818	S7	SPTLC1	1.92E-05	1	0.00806329	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs73879173	S8	PHC3	rs7763107	S8	FARS2	1.30E-09	5.33E-02	1.41E-06	2.87E-06	1	2.82E-03
phe.Fasting_rs73879173	S8	PHC3	rs77845645	S21	NA	9.87E-09	4.03E-01	9.22E-06	9.90E-13	4.03E-05	4.68E-09
phe.Fasting_rs73879173	S8	PHC3	rs78990344	S2	LOC10050631	2.07E-08	0.844108	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs73879178	S10	PHC3	rs111576333	S5	TMEM64	3.41E-08	1.00E+00	2.89E-05	8.51E-10	0.034621	2.05E-06
phe.Fasting_rs73879178	S10	PHC3	rs112091318	S5	TMEM64	1.01E-08	4.12E-01	9.40E-06	1.27E-09	0.0517029	2.93E-06
phe.Fasting_rs73879178	S10	PHC3	rs114565620	S8	RCL1	3.53E-19	1.44E-11	2.40E-14	1.19E-06	1	0.00132234
phe.Fasting_rs73879178	S10	PHC3	rs115083290	S19	NA	2.80E-06	1.00E+00	1.49E-03	4.08E-09	0.165931	8.36E-06
phe.Fasting_rs73879178	S10	PHC3	rs115752779	S19	NA	2.80E-06	1.00E+00	1.49E-03	4.08E-09	0.165931	8.36E-06
phe.Fasting_rs73879178	S10	PHC3	rs116011837	S9	BRD2	4.93E-13	2.01E-05	1.04E-09	2.60E-11	0.0010602	8.99E-08
phe.Fasting_rs73879178	S10	PHC3	rs116120727	S9	BRD2	4.93E-13	2.01E-05	1.04E-09	2.60E-11	0.0010602	8.99E-08
phe.Fasting_rs73879178	S10	PHC3	rs116548615	S8	TMEM45B	9.13E-09	3.73E-01	8.60E-06	2.32E-09	0.0942588	5.04E-06
phe.Fasting_rs73879178	S10	PHC3	rs11989304	S4	TMEM64	3.41E-08	1.00E+00	2.89E-05	8.55E-10	0.0347858	2.06E-06
phe.Fasting_rs73879178	S10	PHC3	rs140524622	S7	MRPL10	3.46E-08	1.00E+00	2.93E-05	2.64E-06	1	2.62E-03
phe.Fasting_rs73879178	S10	PHC3	rs141926074	S8	ATE1	7.17E-07	1.00E+00	4.52E-04	1.68E-11	0.000683787	6.02E-08
phe.Fasting_rs73879178	S10	PHC3	rs57287019	S5	CLCN3	1.13E-05	1.00E+00	5.11E-03	5.28E-06	1	0.00479294
phe.Fasting_rs73879178	S10	PHC3	rs73392640	S8	POLR3B	2.93E-06	1	0.00154951	1.05E-05	1	8.55E-03
phe.Fasting_rs73879178	S10	PHC3	rs74627895	S8	TMEM64	1.01E-08	4.12E-01	9.40E-06	1.60E-06	1	0.00170963

phe.Fasting_rs73879178	S10	PHC3	rs75350765	S5	RCL1	3.53E-19	1.44E-11	2.40E-14	1.19E-06	1	1.32E-03
phe.Fasting_rs73879178	S10	PHC3	rs75949566	S5	TMEM64	3.74E-08	1.00E+00	3.15E-05	3.93E-10	0.015993	1.04E-06
phe.Fasting_rs73879178	S10	PHC3	rs7657672	S8	CLCN3	1.36E-05	1.00E+00	5.98E-03	2.04E-06	1	2.11E-03
phe.Fasting_rs73879178	S10	PHC3	rs77845645	S21	NA	7.00E-08	1.00E+00	5.55E-05	1.20E-12	4.88E-05	5.52E-09
phe.Fasting_rs73879178	S10	PHC3	rs78990344	S2	LOC10050631	3.41E-08	1	2.89E-05	8.55E-10	0.0347858	2.06E-06
phe.Fasting_rs73879182	S6	PHC3	rs111576333	S5	TMEM64	2.07E-08	0.844108	1.82E-05	2.31E-10	0.00941342	6.43E-07
phe.Fasting_rs73879182	S6	PHC3	rs112091318	S5	TMEM64	6.28E-09	2.57E-01	6.07E-06	3.37E-10	0.013698	8.96E-07
phe.Fasting_rs73879182	S6	PHC3	rs112348319	S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs73879182	S6	PHC3	rs112608164	S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs73879182	S6	PHC3	rs113568654	S12	SPTLC1	1.84E-05	1	0.00776102	1.04E-08	0.421423	1.91E-05
phe.Fasting_rs73879182	S6	PHC3	rs114565620	S8	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	0.000489631
phe.Fasting_rs73879182	S6	PHC3	rs115083290	S19	NA	8.85E-08	1.00E+00	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_rs73879182	S6	PHC3	rs115752779	S19	NA	8.85E-08	1.00E+00	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_rs73879182	S6	PHC3	rs115888477	S8	NA	1.34E-06	1.00E+00	7.91E-04	7.82E-11	0.00318365	2.44E-07
phe.Fasting_rs73879182	S6	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs73879182	S6	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs73879182	S6	PHC3	rs116548615	S8	TMEM45B	5.29E-19	2.16E-11	2.49E-14	7.92E-10	0.0322544	1.95E-06
phe.Fasting_rs73879182	S6	PHC3	rs11989304	S4	TMEM64	2.07E-08	0.844108	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs73879182	S6	PHC3	rs140524622	S7	MRPL10	2.30E-08	0.93902	2.01E-05	2.14E-06	1	0.00219216
phe.Fasting_rs73879182	S6	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs73879182	S6	PHC3	rs73392640	S8	POLR3B	6.58E-08	1	5.26E-05	8.97E-06	1	0.00747055
phe.Fasting_rs73879182	S6	PHC3	rs74627895	S8	TMEM64	6.28E-09	0.256524	6.07E-06	1.27E-06	1	0.00139909
phe.Fasting_rs73879182	S6	PHC3	rs75350765	S5	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	0.000489631
phe.Fasting_rs73879182	S6	PHC3	rs75506779	S5	TMCO3	7.38E-14	3.01E-06	1.70E-10	3.50E-06	1	0.00334821
phe.Fasting_rs73879182	S6	PHC3	rs75949566	S5	TMEM64	2.26E-08	0.923876	1.98E-05	3.24E-10	0.0132	8.70E-07
phe.Fasting_rs73879182	S6	PHC3	rs76542405	S5	SPTLC1	1.92E-05	1	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs73879182	S6	PHC3	rs77523818	S7	SPTLC1	1.92E-05	1	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs73879182	S6	PHC3	rs7763107	S8	FARS2	1.30E-09	0.0532742	1.41E-06	2.87E-06	1	0.00281845
phe.Fasting_rs73879182	S6	PHC3	rs77845645	S21	NA	9.87E-09	4.03E-01	9.22E-06	9.90E-13	4.03E-05	4.68E-09
phe.Fasting_rs73879182	S6	PHC3	rs78990344	S2	LOC10050631	2.07E-08	8.44E-01	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs73934476	S8	AAK1	rs114334325	S7	AP3M2	3.34E-08	1	2.85E-05	8.04E-10	0.0327298	1.96E-06
phe.Fasting_rs73934476	S8	AAK1	rs114394395	S7	AP3M2	3.49E-08	1.00E+00	2.96E-05	8.04E-10	0.0327298	1.96E-06
phe.Fasting_rs73934476	S8	AAK1	rs116406581	S2	NA	1.90E-07	1.00E+00	1.36E-04	3.84E-11	0.00156462	1.27E-07
phe.Fasting_rs73934476	S8	AAK1	rs116696844	S3	AP3M2	4.00E-08	1.00E+00	3.35E-05	8.04E-10	0.0327298	1.96E-06
phe.Fasting_rs73934476	S8	AAK1	rs138136869	S7	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs73934476	S8	AAK1	rs138457103	S10	DIAPH1	2.16E-05	1.00E+00	8.91E-03	8.51E-09	0.346282	1.61E-05
phe.Fasting_rs73934476	S8	AAK1	rs139403963	S8	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs73934476	S8	AAK1	rs139828110	S8	DIAPH1	2.34E-05	1	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs73934476	S8	AAK1	rs142789100	S8	DIAPH1	2.34E-05	1	0.0095427	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs73934476	S8	AAK1	rs142812798	S7	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.13E-09	0.0865169	4.67E-06

phe.Fasting_rs73934476	S8	AAK1	rs143377827	S13	"DIAPH1,LOC	4.02E-06	1.00E+00	2.05E-03	1.25E-09	0.0508948	2.90E-06
phe.Fasting_rs73934476	S8	AAK1	rs143691978	S11	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.14E-09	0.0869355	4.68E-06
phe.Fasting_rs73934476	S8	AAK1	rs144081334	S11	DIAPH1	2.34E-05	1	0.0095427	2.14E-09	0.0869355	4.68E-06
phe.Fasting_rs73934476	S8	AAK1	rs145027704	S11	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.14E-09	0.0869355	4.68E-06
phe.Fasting_rs73934476	S8	AAK1	rs146622060	S13	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.14E-09	0.0869355	4.68E-06
phe.Fasting_rs73934476	S8	AAK1	rs147417996	S7	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.14E-09	0.0869355	4.68E-06
phe.Fasting_rs73934476	S8	AAK1	rs147677041	S8	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs73934476	S8	AAK1	rs149019627	S8	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs73934476	S8	AAK1	rs149791570	S5	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs73934476	S8	AAK1	rs151330468	S8	DIAPH1	2.34E-05	1.00E+00	9.54E-03	2.14E-09	0.0869355	4.68E-06
phe.Fasting_rs73934476	S8	AAK1	rs185502834	S8	DIAPH1	2.34E-05	1	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs73934476	S8	AAK1	rs190559574	S7	DIAPH1	2.34E-05	1	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs73934476	S8	AAK1	rs55900860	S7	DIAPH1	2.34E-05	1	9.54E-03	2.13E-09	0.0865169	4.67E-06
phe.Fasting_rs73934476	S8	AAK1	rs7004597	S8	NA	3.34E-08	1	2.85E-05	2.47E-10	0.0100489	6.81E-07
phe.Fasting_rs73934476	S8	AAK1	rs78353402	S8	AP3M2	3.34E-08	1	2.85E-05	8.04E-10	0.0327298	1.96E-06
phe.Fasting_rs73934476	S8	AAK1	rs79517926	S15	"DIAPH1,LOC	1.68E-05	1	0.00713891	8.69E-12	0.000353841	3.26E-08
phe.Fasting_rs7433453	S5	VGLL4	rs112027720	S7	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs113219478	S7	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs115083290	S19	NA	1.20E-05	1	5.33E-03	1.63E-10	0.00662957	4.74E-07
phe.Fasting_rs7433453	S5	VGLL4	rs115752779	S19	NA	1.20E-05	1	5.33E-03	1.63E-10	0.00662957	4.74E-07
phe.Fasting_rs7433453	S5	VGLL4	rs115888477	S8	NA	9.71E-08	1	7.42E-05	6.96E-06	1	0.0060392
phe.Fasting_rs7433453	S5	VGLL4	rs116279995	S20	"PCDHGA4,PI	1.35E-08	5.51E-01	1.23E-05	7.79E-10	0.0316907	1.92E-06
phe.Fasting_rs7433453	S5	VGLL4	rs138136869	S7	DIAPH1	9.53E-08	1.00E+00	7.30E-05	1.06E-05	1	0.00856424
phe.Fasting_rs7433453	S5	VGLL4	rs138457103	S10	DIAPH1	7.50E-08	1	5.88E-05	3.81E-09	0.155026	7.84E-06
phe.Fasting_rs7433453	S5	VGLL4	rs138487229	S11	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs138738950	S8	"PCDHGB2,PI	4.47E-09	1.83E-01	4.40E-06	1.57E-09	0.064086	3.56E-06
phe.Fasting_rs7433453	S5	VGLL4	rs139297927	S8	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs139337303	S8	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs139403963	S8	DIAPH1	9.53E-08	1.00E+00	7.30E-05	1.06E-05	1	0.00856424
phe.Fasting_rs7433453	S5	VGLL4	rs139621309	S18	"LOC1005056	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs139828110	S8	DIAPH1	9.53E-08	1	7.30E-05	1.06E-05	1	0.00856424
phe.Fasting_rs7433453	S5	VGLL4	rs140070363	S8	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs140524622	S7	MRPL10	2.88E-09	1.17E-01	2.94E-06	3.67E-06	1	0.00348933
phe.Fasting_rs7433453	S5	VGLL4	rs140644750	S13	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs141022544	S8	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs141525984	S5	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs141692339	S3	"PCDHGA6,PI	4.67E-10	1.91E-02	5.36E-07	1.20E-09	0.0489505	2.81E-06
phe.Fasting_rs7433453	S5	VGLL4	rs141926074	S8	ATE1	1.41E-09	5.78E-02	1.51E-06	2.20E-12	8.96E-05	9.51E-09
phe.Fasting_rs7433453	S5	VGLL4	rs142480565	S8	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs142718558	S7	"DIAPH1,LOC	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06



phe.Fasting_rs7433453	S5	VGLL4	rs142789100S8	DIAPH1	9.53E-08	1.00E+00	7.30E-05	1.06E-05	1	0.00856424
phe.Fasting_rs7433453	S5	VGLL4	rs142812798S7	DIAPH1	9.53E-08	1.00E+00	7.30E-05	1.06E-05	1	0.00856424
phe.Fasting_rs7433453	S5	VGLL4	rs143377827S13	"DIAPH1,LOC	7.20E-08	1.00E+00	5.67E-05	3.62E-06	1	0.00344973
phe.Fasting_rs7433453	S5	VGLL4	rs143691978S11	DIAPH1	9.53E-08	1	7.30E-05	9.64E-06	1	0.00792659
phe.Fasting_rs7433453	S5	VGLL4	rs144081334S11	DIAPH1	9.53E-08	1	7.30E-05	9.64E-06	1	0.00792659
phe.Fasting_rs7433453	S5	VGLL4	rs144613910S8	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs145027704S11	DIAPH1	9.53E-08	1	7.30E-05	9.64E-06	1	0.00792659
phe.Fasting_rs7433453	S5	VGLL4	rs146220673S7	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs146622060S13	DIAPH1	9.53E-08	1	7.30E-05	9.64E-06	1	0.00792659
phe.Fasting_rs7433453	S5	VGLL4	rs146878162S7	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs147314451S8	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs147417996S7	DIAPH1	9.53E-08	1	7.30E-05	9.64E-06	1	0.00792659
phe.Fasting_rs7433453	S5	VGLL4	rs147506725S21	"PCDHGA1,PI	1.35E-08	0.551333	1.23E-05	7.79E-10	0.0316907	1.92E-06
phe.Fasting_rs7433453	S5	VGLL4	rs147646948S7	"LOC1005056	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs147677041S8	DIAPH1	9.53E-08	1.00E+00	7.30E-05	1.06E-05	1	0.00856424
phe.Fasting_rs7433453	S5	VGLL4	rs148116628S7	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs148423011S7	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs149019627S8	DIAPH1	9.53E-08	1.00E+00	7.30E-05	1.06E-05	1	8.56E-03
phe.Fasting_rs7433453	S5	VGLL4	rs149075406S8	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs149334783S8	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs149553852S21	"PCDHGA10,I	1.35E-08	5.51E-01	1.23E-05	7.79E-10	0.0316907	1.92E-06
phe.Fasting_rs7433453	S5	VGLL4	rs149716949S5	DIAPH1	2.08E-10	8.51E-03	2.56E-07	2.44E-09	0.0994244	5.28E-06
phe.Fasting_rs7433453	S5	VGLL4	rs149791570S5	DIAPH1	9.53E-08	1.00E+00	7.30E-05	1.06E-05	1	0.00856424
phe.Fasting_rs7433453	S5	VGLL4	rs150452206S13	"DIAPH1,LOC	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs150675915S7	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs150765570S7	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs150992994S11	"PCDHGA5,PI	4.55E-09	1.86E-01	4.48E-06	1.47E-09	0.0598921	3.35E-06
phe.Fasting_rs7433453	S5	VGLL4	rs151204700S8	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs151330468S8	DIAPH1	9.53E-08	1	7.30E-05	9.64E-06	1	0.00792659
phe.Fasting_rs7433453	S5	VGLL4	rs180772028S8	"DIAPH1,LOC	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs181224861S7	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs181247960S21	"PCDHGA9,PI	1.35E-08	5.51E-01	1.23E-05	7.79E-10	0.0316907	1.92E-06
phe.Fasting_rs7433453	S5	VGLL4	rs181824655S21	"PCDHGB6,PI	1.35E-08	5.51E-01	1.23E-05	7.79E-10	0.0316907	1.92E-06
phe.Fasting_rs7433453	S5	VGLL4	rs182714699S8	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs183597049S7	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs183980988S2	NA	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs184233232S7	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs184509477S13	"PCDHGB4,PI	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs185069296S15	"LOC1005056	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs185502834S8	DIAPH1	9.53E-08	1	7.30E-05	1.06E-05	1	0.00856424

phe.Fasting_rs7433453	S5	VGLL4	rs185759881	S7	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs186288044	S21	"PCDHGB4,PI	1.35E-08	0.551333	1.23E-05	7.79E-10	0.0316907	1.92E-06
phe.Fasting_rs7433453	S5	VGLL4	rs187000011	S11	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs188981295	S5	"RPS27AP10,	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs190559574	S7	DIAPH1	9.53E-08	1	7.30E-05	1.06E-05	1	0.00856424
phe.Fasting_rs7433453	S5	VGLL4	rs191544043	S8	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs191766712	S7	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs192690040	S7	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs192765219	S7	DIAPH1	4.47E-09	1.83E-01	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs192770525	S7	DIAPH1	4.47E-09	0.182541	4.40E-06	1.56E-09	0.0634914	3.53E-06
phe.Fasting_rs7433453	S5	VGLL4	rs35990401	S7	DIAPH1	4.52E-09	1.84E-01	4.44E-06	5.29E-09	0.215479	1.04E-05
phe.Fasting_rs7433453	S5	VGLL4	rs55900860	S7	DIAPH1	9.53E-08	1.00E+00	7.30E-05	1.06E-05	1	0.00856424
phe.Fasting_rs7433453	S5	VGLL4	rs57503635	S3	NA	6.32E-09	2.58E-01	6.10E-06	1.51E-12	6.13E-05	6.74E-09
phe.Fasting_rs7433453	S5	VGLL4	rs60011869	S16	NA	1.24E-05	1.00E+00	5.51E-03	5.69E-08	1	8.61E-05
phe.Fasting_rs7433453	S5	VGLL4	rs7256517	S7	CYTH2	3.76E-09	1.54E-01	3.76E-06	5.00E-07	1	0.000597198
phe.Fasting_rs7433453	S5	VGLL4	rs73283603	S7	ZWINT	9.08E-06	1.00E+00	4.20E-03	1.59E-07	1	0.000215143
phe.Fasting_rs7433453	S5	VGLL4	rs75949566	S5	TMEM64	1.94E-11	0.000791096	2.89E-08	1.83E-06	1	0.00191542
phe.Fasting_rs7433453	S5	VGLL4	rs79517926	S15	"DIAPH1,LOC	1.02E-08	0.417428	9.51E-06	1.12E-06	1	1.25E-03
phe.Fasting_rs74627895	S8	TMEM64	rs112348319	S8	SPTLC1	1.41E-17	5.75E-10	1.14E-13	2.26E-06	1	0.00230523
phe.Fasting_rs74627895	S8	TMEM64	rs112608164	S8	SPTLC1	1.41E-17	5.75E-10	1.14E-13	2.26E-06	1	0.00230523
phe.Fasting_rs74627895	S8	TMEM64	rs113568654	S12	SPTLC1	1.15E-17	4.70E-10	1.03E-13	1.26E-05	1	9.73E-03
phe.Fasting_rs74627895	S8	TMEM64	rs115787552	S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	1.10E-06	1	0.00122517
phe.Fasting_rs74627895	S8	TMEM64	rs115888477	S8	NA	1.42E-15	5.80E-08	4.09E-12	2.60E-07	1	0.000334412
phe.Fasting_rs74627895	S8	TMEM64	rs116079984	S8	KPNA3	2.06E-16	8.43E-09	7.10E-13	1.32E-06	1	0.00144712
phe.Fasting_rs74627895	S8	TMEM64	rs141926074	S8	ATE1	3.18E-18	1.30E-10	5.41E-14	7.60E-06	1	0.00648791
phe.Fasting_rs74627895	S8	TMEM64	rs146815317	S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	1.10E-06	1	0.00122517
phe.Fasting_rs74627895	S8	TMEM64	rs150117838	S8	KPNA3	2.06E-16	8.43E-09	7.10E-13	1.06E-06	1	0.00118517
phe.Fasting_rs74627895	S8	TMEM64	rs73283603	S7	ZWINT	8.87E-17	3.62E-09	3.84E-13	3.70E-09	0.150646	7.65E-06
phe.Fasting_rs74627895	S8	TMEM64	rs73392640	S8	POLR3B	9.88E-17	4.04E-09	4.23E-13	1.92E-08	0.781827	3.31E-05
phe.Fasting_rs74627895	S8	TMEM64	rs74701059	S24	C17orf102	6.46E-07	1	4.12E-04	1.06E-06	1	0.00119446
phe.Fasting_rs74627895	S8	TMEM64	rs76542405	S5	SPTLC1	1.41E-17	5.75E-10	1.14E-13	2.26E-06	1	0.00230523
phe.Fasting_rs74627895	S8	TMEM64	rs77523818	S7	SPTLC1	1.41E-17	5.75E-10	1.14E-13	2.26E-06	1	0.00230523
phe.Fasting_rs74627895	S8	TMEM64	rs77798597	S7	KPNA3	2.06E-16	8.43E-09	7.10E-13	1.06E-06	1	0.00118517
phe.Fasting_rs74627895	S8	TMEM64	rs78736524	S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	1.10E-06	1	0.00122517
phe.Fasting_rs74627895	S8	TMEM64	rs79703349	S24	C17orf102	6.46E-07	1	0.000412414	1.36E-06	1	0.00148446
phe.Fasting_rs74627895	S8	TMEM64	rs79781495	S8	KPNA3	2.06E-16	8.43E-09	7.10E-13	1.06E-06	1	0.00118517
phe.Fasting_rs74627895	S8	TMEM64	rs80332465	S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	1.09E-06	1	0.00122117
phe.Fasting_rs74627895	S8	TMEM64	rs80334773	S5	KPNA3	2.06E-16	8.43E-09	7.10E-13	1.09E-06	1	0.00122117
phe.Fasting_rs74627895	S8	TMEM64	rs8075478	S8	MYH10	1.17E-17	4.79E-10	1.04E-13	7.21E-07	1	0.00083741
phe.Fasting_rs74902245	S5	LUZP1	rs112348319	S8	SPTLC1	2.51E-06	1	1.36E-03	3.77E-07	1	0.000466052

phe.Fasting_rs74902245	S5	LUZP1	rs112608164	S8	SPTLC1	2.51E-06	1.00E+00	1.36E-03	3.77E-07	1	0.000466052
phe.Fasting_rs74902245	S5	LUZP1	rs113568654	S12	SPTLC1	2.32E-06	1.00E+00	1.27E-03	2.84E-06	1	0.00279512
phe.Fasting_rs74902245	S5	LUZP1	rs76542405	S5	SPTLC1	2.51E-06	1	0.00136058	3.77E-07	1	0.000466052
phe.Fasting_rs74902245	S5	LUZP1	rs77523818	S7	SPTLC1	2.51E-06	1.00E+00	1.36E-03	3.77E-07	1	4.66E-04
phe.Fasting_rs74986829	S8	NEK1	rs112027720	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs112089881	S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	7.39E-09	0.300904	1.42E-05
phe.Fasting_rs74986829	S8	NEK1	rs113219478	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	1.27E-15	5.16E-08	1.44E-11
phe.Fasting_rs74986829	S8	NEK1	rs115787552	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.13E-07	1	0.000393894
phe.Fasting_rs74986829	S8	NEK1	rs115888477	S8	NA	2.70E-15	1.10E-07	7.57E-12	2.44E-08	0.994402	4.03E-05
phe.Fasting_rs74986829	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	3.18E-10	0.0129556	8.55E-07
phe.Fasting_rs74986829	S8	NEK1	rs116079984	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.67E-07	1	0.000454306
phe.Fasting_rs74986829	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	3.18E-10	0.0129556	8.55E-07
phe.Fasting_rs74986829	S8	NEK1	rs116279995	S20	"PCDHGA4,P	2.15E-05	1.00E+00	8.87E-03	3.33E-07	1	0.000415605
phe.Fasting_rs74986829	S8	NEK1	rs138090701	S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	1.93E-08	0.787129	3.33E-05
phe.Fasting_rs74986829	S8	NEK1	rs138136869	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs74986829	S8	NEK1	rs138457103	S10	DIAPH1	5.43E-12	0.000221795	9.60E-09	2.89E-08	1	4.72E-05
phe.Fasting_rs74986829	S8	NEK1	rs138487229	S11	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs138738950	S8	"PCDHGB2,P	9.17E-12	3.74E-04	1.48E-08	3.08E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs139297927	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs139337303	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs139403963	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs74986829	S8	NEK1	rs139621309	S18	"LOC100505	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs139828110	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs74986829	S8	NEK1	rs140070363	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs140644750	S13	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs141022544	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs141525984	S5	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs141926074	S8	ATE1	1.33E-06	1	0.000783423	2.84E-14	1.16E-06	2.14E-10
phe.Fasting_rs74986829	S8	NEK1	rs142480565	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs142718558	S7	"DIAPH1,LOC	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs142789100	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs74986829	S8	NEK1	rs142812798	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs74986829	S8	NEK1	rs143377827	S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	3.66E-09	0.14914	7.58E-06
phe.Fasting_rs74986829	S8	NEK1	rs143691978	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs74986829	S8	NEK1	rs144081334	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs74986829	S8	NEK1	rs144613910	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs145027704	S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs74986829	S8	NEK1	rs146220673	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs146622060	S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05

phe.Fasting_rs74986829	S8	NEK1	rs146815317	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.13E-07	1	0.000393894
phe.Fasting_rs74986829	S8	NEK1	rs146878162	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs1470889	S5	ZC3H3	3.60E-08	1.00E+00	3.04E-05	1.27E-06	1	0.00139597
phe.Fasting_rs74986829	S8	NEK1	rs1470890	S5	ZC3H3	3.60E-08	1	3.04E-05	1.27E-06	1	0.00139597
phe.Fasting_rs74986829	S8	NEK1	rs147314451	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs147417996	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs74986829	S8	NEK1	rs147506725	S21	"PCDHGA1,PI	2.15E-05	1	8.87E-03	3.33E-07	1	0.000415605
phe.Fasting_rs74986829	S8	NEK1	rs147646948	S7	"LOC1005056	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs147677041	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs74986829	S8	NEK1	rs148116628	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs148423011	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs149019627	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs74986829	S8	NEK1	rs149075406	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs149334783	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs149553852	S21	"PCDHGA10,	2.15E-05	1.00E+00	8.87E-03	3.33E-07	1	0.000415605
phe.Fasting_rs74986829	S8	NEK1	rs149716949	S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	3.86E-09	0.15716	7.94E-06
phe.Fasting_rs74986829	S8	NEK1	rs149791570	S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs74986829	S8	NEK1	rs150117838	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.00E-07	1	0.000378616
phe.Fasting_rs74986829	S8	NEK1	rs150452206	S13	"DIAPH1,LOC	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs150675915	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs150765570	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs150992994	S11	"PCDHGA5,PI	9.47E-12	3.87E-04	1.52E-08	2.95E-08	1	4.80E-05
phe.Fasting_rs74986829	S8	NEK1	rs151204700	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs151330468	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs74986829	S8	NEK1	rs16894241	S4	HIST1H2BK	5.24E-08	1.00E+00	4.28E-05	6.75E-07	1	0.000789743
phe.Fasting_rs74986829	S8	NEK1	rs180772028	S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs181224861	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs181247960	S21	"PCDHGA9,PI	2.15E-05	1.00E+00	8.87E-03	3.33E-07	1	0.000415605
phe.Fasting_rs74986829	S8	NEK1	rs181824655	S21	"PCDHGB6,PI	2.15E-05	1.00E+00	8.87E-03	3.33E-07	1	0.000415605
phe.Fasting_rs74986829	S8	NEK1	rs182714699	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs182965141	S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	2.45E-09	0.0995578	5.28E-06
phe.Fasting_rs74986829	S8	NEK1	rs183597049	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs183980988	S2	NA	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs184233232	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs184509477	S13	"PCDHGB4,PI	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs185069296	S15	"LOC1005056	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs185502834	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs74986829	S8	NEK1	rs185759881	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs186288044	S21	"PCDHGB4,PI	2.15E-05	1	0.00887266	3.33E-07	1	0.000415605
phe.Fasting_rs74986829	S8	NEK1	rs187000011	S11	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05

phe.Fasting_rs74986829	S8	NEK1	rs188981295	S5	"RPS27AP10,	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs190559574	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs74986829	S8	NEK1	rs191544043	S8	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs191766712	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs192690040	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs192765219	S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs192770525	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs74986829	S8	NEK1	rs2924507	S5	ZC3H3	3.60E-08	1	3.04E-05	1.27E-06	1	0.00139597
phe.Fasting_rs74986829	S8	NEK1	rs2924508	S8	ZC3H3	3.60E-08	1	3.04E-05	1.77E-06	1	0.00186217
phe.Fasting_rs74986829	S8	NEK1	rs2924511	S7	ZC3H3	3.60E-08	1	3.04E-05	1.08E-06	1	0.00121176
phe.Fasting_rs74986829	S8	NEK1	rs2924512	S7	ZC3H3	4.02E-08	1	3.37E-05	1.35E-06	1	0.00147188
phe.Fasting_rs74986829	S8	NEK1	rs2956376	S8	ZC3H3	3.60E-08	1	3.04E-05	7.36E-07	1	0.000853057
phe.Fasting_rs74986829	S8	NEK1	rs2980270	S7	ZC3H3	3.60E-08	1.00E+00	3.04E-05	7.36E-07	1	0.000853057
phe.Fasting_rs74986829	S8	NEK1	rs2980272	S7	ZC3H3	4.02E-08	1	3.37E-05	1.41E-06	1	0.00153088
phe.Fasting_rs74986829	S8	NEK1	rs2980275	S5	ZC3H3	3.60E-08	1	3.04E-05	1.27E-06	1	0.00139597
phe.Fasting_rs74986829	S8	NEK1	rs35990401	S7	DIAPH1	8.40E-12	0.000343123	1.39E-08	1.16E-08	0.474122	2.13E-05
phe.Fasting_rs74986829	S8	NEK1	rs366767	S5	ZC3H3	6.34E-08	1	5.08E-05	7.89E-07	1	0.000909793
phe.Fasting_rs74986829	S8	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs74986829	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	3.40E-12	0.000138444	1.43E-08
phe.Fasting_rs74986829	S8	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	1.80E-08	0.733806	3.14E-05
phe.Fasting_rs74986829	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs74986829	S8	NEK1	rs77798597	S7	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.00E-07	1	0.000378616
phe.Fasting_rs74986829	S8	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	4.64E-07	1	0.000558314
phe.Fasting_rs74986829	S8	NEK1	rs78736524	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.13E-07	1	0.000393894
phe.Fasting_rs74986829	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	1.10E-04	4.97E-09	3.36E-09	0.136596	7.04E-06
phe.Fasting_rs74986829	S8	NEK1	rs79781495	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.00E-07	1	0.000378616
phe.Fasting_rs74986829	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs74986829	S8	NEK1	rs80332465	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	3.13E-07	1	3.93E-04
phe.Fasting_rs74986829	S8	NEK1	rs80334773	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	3.13E-07	1	0.000393227
phe.Fasting_rs75350765	S5	RCL1	rs112009962	S8	NA	6.93E-06	1.00E+00	3.33E-03	1.37E-15	5.56E-08	1.54E-11
phe.Fasting_rs75350765	S5	RCL1	rs112089881	S8	ZFAND4	9.81E-19	4.01E-11	2.92E-14	8.31E-10	0.0338366	2.02E-06
phe.Fasting_rs75350765	S5	RCL1	rs115083290	S19	NA	2.89E-17	1.18E-09	1.66E-13	3.20E-14	1.30E-06	2.35E-10
phe.Fasting_rs75350765	S5	RCL1	rs115752779	S19	NA	2.89E-17	1.18E-09	1.66E-13	3.20E-14	1.30E-06	2.35E-10
phe.Fasting_rs75350765	S5	RCL1	rs12581352	S2	NA	1.21E-05	1.00E+00	5.40E-03	1.49E-15	6.06E-08	1.66E-11
phe.Fasting_rs75350765	S5	RCL1	rs139070959	S8	RPN2	5.03E-18	2.06E-10	6.86E-14	9.04E-15	3.68E-07	7.90E-11
phe.Fasting_rs75350765	S5	RCL1	rs141926074	S8	ATE1	5.29E-19	2.16E-11	2.49E-14	9.87E-09	0.401804	1.84E-05
phe.Fasting_rs75350765	S5	RCL1	rs145412529	S8	"RBL1,RPS3A	2.94E-18	1.20E-10	5.06E-14	1.03E-14	4.19E-07	8.92E-11
phe.Fasting_rs75350765	S5	RCL1	rs2153597	S8	ZNF438	1.03E-11	4.20E-04	1.63E-08	3.10E-10	0.0126381	8.36E-07
phe.Fasting_rs75350765	S5	RCL1	rs56398234	S8	LRCH1	1.31E-05	1.00E+00	5.77E-03	8.26E-07	1	0.000948327
phe.Fasting_rs75350765	S5	RCL1	rs57503635	S3	NA	4.19E-17	1.71E-09	2.22E-13	1.28E-21	5.23E-14	4.02E-15

phe.Fasting_rs75350765	S5	RCL1	rs7256517	S7	CYTH2	1.74E-16	7.10E-09	6.18E-13	1.53E-07	1	0.000207616
phe.Fasting_rs75350765	S5	RCL1	rs73283603	S7	ZWINT	5.69E-17	2.32E-09	2.72E-13	5.34E-07	1	0.000635189
phe.Fasting_rs75350765	S5	RCL1	rs73392640	S8	POLR3B	1.04E-07	1	7.92E-05	9.18E-08	1	0.000131042
phe.Fasting_rs75350765	S5	RCL1	rs73619637	S8	NA	5.38E-17	2.20E-09	2.63E-13	4.57E-11	0.00185897	1.49E-07
phe.Fasting_rs75350765	S5	RCL1	rs75374128	S5	CNTLN	2.86E-18	1.17E-10	4.97E-14	1.17E-09	0.0477188	2.75E-06
phe.Fasting_rs75350765	S5	RCL1	rs75506779	S5	TMCO3	1.24E-07	1.00E+00	9.24E-05	2.68E-06	1	0.00265052
phe.Fasting_rs75350765	S5	RCL1	rs75864203	S8	CNTLN	2.86E-18	1.17E-10	4.97E-14	1.17E-09	0.0477188	2.75E-06
phe.Fasting_rs75350765	S5	RCL1	rs76844308	S8	CNTLN	5.35E-18	2.19E-10	7.01E-14	8.63E-10	0.0351142	2.08E-06
phe.Fasting_rs75350765	S5	RCL1	rs78722272	S5	CNTLN	2.86E-18	1.17E-10	4.97E-14	1.24E-09	0.050489	2.89E-06
phe.Fasting_rs75374128	S5	CNTLN	rs115083290	S19	NA	3.88E-09	0.158556	3.87E-06	5.72E-17	2.33E-09	4.07E-12
phe.Fasting_rs75374128	S5	CNTLN	rs115752779	S19	NA	3.88E-09	1.59E-01	3.87E-06	5.72E-17	2.33E-09	4.07E-12
phe.Fasting_rs75374128	S5	CNTLN	rs139070959	S8	RPN2	1.05E-17	4.28E-10	9.93E-14	3.36E-12	0.000136888	1.42E-08
phe.Fasting_rs75374128	S5	CNTLN	rs145412529	S8	"RBL1,RPS3A	5.93E-18	2.42E-10	7.36E-14	4.01E-10	0.0163221	1.06E-06
phe.Fasting_rs75374128	S5	CNTLN	rs57503635	S3	NA	1.70E-06	1.00E+00	9.73E-04	8.28E-16	3.37E-08	1.16E-11
phe.Fasting_rs75374128	S5	CNTLN	rs78516788	S8	SLC38A1	7.72E-18	3.15E-10	8.50E-14	3.24E-07	1	0.000405956
phe.Fasting_rs7546605	S8	ZZZ3	rs116011837	S9	BRD2	1.53E-07	1.00E+00	1.12E-04	1.31E-07	1	0.000180742
phe.Fasting_rs7546605	S8	ZZZ3	rs116120727	S9	BRD2	1.53E-07	1.00E+00	1.12E-04	1.31E-07	1	0.000180742
phe.Fasting_rs75506779	S5	TMCO3	rs57503635	S3	NA	8.27E-07	1.00E+00	5.12E-04	4.95E-06	1	0.00453056
phe.Fasting_rs7571183	S8	MTX2	rs112027720	S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs113219478	S7	DIAPH1	1.38E-07	1	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs116011837	S9	BRD2	1.57E-05	1.00E+00	6.75E-03	6.50E-06	1	0.00570412
phe.Fasting_rs7571183	S8	MTX2	rs116120727	S9	BRD2	1.57E-05	1.00E+00	6.75E-03	6.50E-06	1	0.00570412
phe.Fasting_rs7571183	S8	MTX2	rs138487229	S11	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	2.73E-03
phe.Fasting_rs7571183	S8	MTX2	rs138738950	S8	"PCDHGB2,Pi	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267721
phe.Fasting_rs7571183	S8	MTX2	rs139297927	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs139337303	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs139621309	S18	"LOC1005050	1.38E-07	1	0.000101426	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs140070363	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs140644750	S13	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	2.73E-03
phe.Fasting_rs7571183	S8	MTX2	rs141022544	S8	DIAPH1	1.38E-07	1	0.000101426	2.77E-06	1	2.73E-03
phe.Fasting_rs7571183	S8	MTX2	rs141525984	S5	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	2.73E-03
phe.Fasting_rs7571183	S8	MTX2	rs142480565	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs142718558	S7	"DIAPH1,LOC	1.38E-07	1	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs144613910	S8	DIAPH1	1.38E-07	1	0.000101426	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs146220673	S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs146878162	S7	DIAPH1	1.38E-07	1	0.000101426	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs147314451	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs147646948	S7	"LOC1005050	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs148116628	S7	DIAPH1	1.38E-07	1	0.000101426	2.77E-06	1	2.73E-03
phe.Fasting_rs7571183	S8	MTX2	rs148423011	S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035

phe.Fasting_rs7571183	S8	MTX2	rs149075406 S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs149334783 S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	2.73E-03
phe.Fasting_rs7571183	S8	MTX2	rs149716949 S5	DIAPH1	5.67E-08	1	4.59E-05	5.59E-07	1	0.000662283
phe.Fasting_rs7571183	S8	MTX2	rs150452206 S13	"DIAPH1,LOC	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs150675915 S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs150765570 S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs150992994 S11	"PCDHGA5,PI	1.41E-07	1.00E+00	1.03E-04	3.33E-07	1	0.000415339
phe.Fasting_rs7571183	S8	MTX2	rs151204700 S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs180772028 S8	"DIAPH1,LOC	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs181224861 S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs182714699 S8	DIAPH1	1.38E-07	1	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs183597049 S7	DIAPH1	1.38E-07	1	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs183980988 S2	NA	1.38E-07	1	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs184233232 S7	DIAPH1	1.38E-07	1	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs184509477 S13	"PCDHGB4,PI	1.38E-07	1	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs185069296 S15	"LOC1005056	1.38E-07	1	0.000101426	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs185759881 S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs187000011 S11	DIAPH1	1.38E-07	1	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs188981295 S5	"RPS27AP10,	1.38E-07	1	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs191544043 S8	DIAPH1	1.38E-07	1	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs191766712 S7	DIAPH1	1.38E-07	1	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs192690040 S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs192765219 S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs192770525 S7	DIAPH1	1.38E-07	1	0.000101426	2.77E-06	1	0.00273035
phe.Fasting_rs7571183	S8	MTX2	rs79517926 S15	"DIAPH1,LOC	1.37E-06	1.00E+00	8.05E-04	3.03E-09	0.123424	6.43E-06
phe.Fasting_rs75758702	S24	NA	rs113568654 S12	SPTLC1	7.20E-08	1.00E+00	5.67E-05	4.29E-06	1	0.00400856
phe.Fasting_rs75758702	S24	NA	rs115083290 S19	NA	2.21E-17	9.03E-10	1.43E-13	3.84E-10	0.0156123	1.01E-06
phe.Fasting_rs75758702	S24	NA	rs115752779 S19	NA	2.21E-17	9.03E-10	1.43E-13	3.84E-10	0.0156123	1.01E-06
phe.Fasting_rs75758702	S24	NA	rs141926074 S8	ATE1	2.41E-18	9.83E-11	4.50E-14	1.42E-09	0.0577703	3.24E-06
phe.Fasting_rs75758702	S24	NA	rs57503635 S3	NA	3.21E-17	1.31E-09	1.80E-13	1.05E-07	1	0.000146814
phe.Fasting_rs75758702	S24	NA	rs73619637 S8	NA	4.24E-17	1.73E-09	2.22E-13	2.23E-19	9.08E-12	3.49E-13
phe.Fasting_rs75758702	S24	NA	rs78516788 S8	SLC38A1	7.36E-08	1	5.79E-05	1.28E-06	1	1.40E-03
phe.Fasting_rs75864203	S8	CNTLN	rs115083290 S19	NA	3.88E-09	1.59E-01	3.87E-06	5.72E-17	2.33E-09	4.07E-12
phe.Fasting_rs75864203	S8	CNTLN	rs115752779 S19	NA	3.88E-09	1.59E-01	3.87E-06	5.72E-17	2.33E-09	4.07E-12
phe.Fasting_rs75864203	S8	CNTLN	rs139070959 S8	RPN2	1.05E-17	4.28E-10	9.93E-14	3.36E-12	0.000136888	1.42E-08
phe.Fasting_rs75864203	S8	CNTLN	rs145412529 S8	"RBL1,RPS3A	5.93E-18	2.42E-10	7.36E-14	4.01E-10	0.0163221	1.06E-06
phe.Fasting_rs75864203	S8	CNTLN	rs57503635 S3	NA	1.70E-06	1.00E+00	9.73E-04	8.28E-16	3.37E-08	1.16E-11
phe.Fasting_rs75864203	S8	CNTLN	rs78516788 S8	SLC38A1	7.72E-18	3.15E-10	8.50E-14	3.24E-07	1	0.000405956
phe.Fasting_rs75949566	S5	TMEM64	rs112348319 S8	SPTLC1	1.87E-07	1.00E+00	1.34E-04	4.38E-06	1	0.00408878
phe.Fasting_rs75949566	S5	TMEM64	rs112608164 S8	SPTLC1	1.87E-07	1.00E+00	1.34E-04	4.38E-06	1	0.00408878

phe.Fasting_rs75949566	S5	TMEM64	rs115787552	S5	KPNA3	1.98E-06	1.00E+00	1.11E-03	6.62E-15	2.70E-07	5.94E-11
phe.Fasting_rs75949566	S5	TMEM64	rs115888477	S8	NA	9.67E-06	1.00E+00	4.44E-03	1.03E-15	4.17E-08	1.18E-11
phe.Fasting_rs75949566	S5	TMEM64	rs116079984	S8	KPNA3	1.98E-06	1.00E+00	1.11E-03	8.14E-15	3.31E-07	7.18E-11
phe.Fasting_rs75949566	S5	TMEM64	rs146815317	S5	KPNA3	1.98E-06	1	1.11E-03	6.62E-15	2.70E-07	5.94E-11
phe.Fasting_rs75949566	S5	TMEM64	rs150117838	S8	KPNA3	1.98E-06	1	1.11E-03	6.29E-15	2.56E-07	5.69E-11
phe.Fasting_rs75949566	S5	TMEM64	rs57503635	S3	NA	1.30E-07	1	9.62E-05	3.20E-07	1	0.000401629
phe.Fasting_rs75949566	S5	TMEM64	rs7256517	S7	CYTH2	3.09E-16	1.26E-08	1.03E-12	2.24E-08	0.911569	3.76E-05
phe.Fasting_rs75949566	S5	TMEM64	rs73283603	S7	ZWINT	3.41E-16	1.39E-08	1.13E-12	9.14E-11	0.00371982	2.80E-07
phe.Fasting_rs75949566	S5	TMEM64	rs73392640	S8	POLR3B	1.24E-10	0.00507231	1.58E-07	3.66E-08	1	5.80E-05
phe.Fasting_rs75949566	S5	TMEM64	rs75758702	S24	NA	9.77E-08	1.00E+00	7.47E-05	5.87E-18	2.39E-10	1.05E-12
phe.Fasting_rs75949566	S5	TMEM64	rs76542405	S5	SPTLC1	1.87E-07	1	1.34E-04	4.38E-06	1	0.00408878
phe.Fasting_rs75949566	S5	TMEM64	rs77523818	S7	SPTLC1	1.87E-07	1	1.34E-04	4.38E-06	1	0.00408878
phe.Fasting_rs75949566	S5	TMEM64	rs77798597	S7	KPNA3	1.98E-06	1	1.11E-03	6.29E-15	2.56E-07	5.69E-11
phe.Fasting_rs75949566	S5	TMEM64	rs78736524	S5	KPNA3	1.98E-06	1	1.11E-03	6.62E-15	2.70E-07	5.94E-11
phe.Fasting_rs75949566	S5	TMEM64	rs79781495	S8	KPNA3	1.98E-06	1.00E+00	1.11E-03	6.29E-15	2.56E-07	5.69E-11
phe.Fasting_rs75949566	S5	TMEM64	rs80332465	S5	KPNA3	2.01E-06	1.00E+00	1.12E-03	6.78E-15	2.76E-07	6.06E-11
phe.Fasting_rs75949566	S5	TMEM64	rs80334773	S5	KPNA3	2.01E-06	1	0.00112476	6.78E-15	2.76E-07	6.06E-11
phe.Fasting_rs75949566	S5	TMEM64	rs8075478	S8	MYH10	1.67E-07	1.00E+00	1.21E-04	2.11E-16	8.57E-09	8.13E-12
phe.Fasting_rs7597047	S8	MTX2	rs112027720	S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs113219478	S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs116011837	S9	BRD2	1.57E-05	1.00E+00	6.75E-03	6.33E-06	1	0.00557907
phe.Fasting_rs7597047	S8	MTX2	rs116120727	S9	BRD2	1.57E-05	1.00E+00	6.75E-03	6.33E-06	1	0.00557907
phe.Fasting_rs7597047	S8	MTX2	rs138487229	S11	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs138738950	S8	"PCDHGB2,Pi	1.38E-07	1	1.01E-04	2.65E-06	1	0.002628
phe.Fasting_rs7597047	S8	MTX2	rs139297927	S8	DIAPH1	1.38E-07	1	0.000101426	2.71E-06	1	2.68E-03
phe.Fasting_rs7597047	S8	MTX2	rs139337303	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs139621309	S18	"LOC1005056	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs140070363	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	2.68E-03
phe.Fasting_rs7597047	S8	MTX2	rs140644750	S13	DIAPH1	1.38E-07	1	0.000101426	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs141022544	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs141525984	S5	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs142480565	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs142718558	S7	"DIAPH1,LOC	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs144613910	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs146220673	S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs146878162	S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs147314451	S8	DIAPH1	1.38E-07	1	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs147646948	S7	"LOC1005056	1.38E-07	1	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs148116628	S7	DIAPH1	1.38E-07	1	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs148423011	S7	DIAPH1	1.38E-07	1	1.01E-04	2.71E-06	1	0.00267745



phe.Fasting_rs7597047	S8	MTX2	rs149075406	S8	DIAPH1	1.38E-07	1	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs149334783	S8	DIAPH1	1.38E-07	1	0.000101426	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs149716949	S5	DIAPH1	5.67E-08	1.00E+00	4.59E-05	5.45E-07	1	0.000647157
phe.Fasting_rs7597047	S8	MTX2	rs150452206	S13	"DIAPH1,LOC	1.38E-07	1	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs150675915	S7	DIAPH1	1.38E-07	1	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs150765570	S7	DIAPH1	1.38E-07	1	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs150992994	S11	"PCDHGA5,PI	1.41E-07	1	1.03E-04	3.25E-07	1	0.000406305
phe.Fasting_rs7597047	S8	MTX2	rs151204700	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs180772028	S8	"DIAPH1,LOC	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs181224861	S7	DIAPH1	1.38E-07	1	0.000101426	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs182714699	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	2.68E-03
phe.Fasting_rs7597047	S8	MTX2	rs183597049	S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs183980988	S2	NA	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs184233232	S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs184509477	S13	"PCDHGB4,PI	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs185069296	S15	"LOC1005056	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs185759881	S7	DIAPH1	1.38E-07	1	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs187000011	S11	DIAPH1	1.38E-07	1	0.000101426	2.71E-06	1	2.68E-03
phe.Fasting_rs7597047	S8	MTX2	rs188981295	S5	"RPS27AP10,	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs191544043	S8	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs191766712	S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	2.68E-03
phe.Fasting_rs7597047	S8	MTX2	rs192690040	S7	DIAPH1	1.38E-07	1	0.000101426	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs192765219	S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs192770525	S7	DIAPH1	1.38E-07	1.00E+00	1.01E-04	2.71E-06	1	0.00267745
phe.Fasting_rs7597047	S8	MTX2	rs79517926	S15	"DIAPH1,LOC	1.37E-06	1.00E+00	8.05E-04	2.92E-09	0.118956	6.21E-06
phe.Fasting_rs7603436	S5	RRM2	rs115083290	S19	NA	2.35E-10	9.61E-03	2.87E-07	1.91E-07	1	0.000253959
phe.Fasting_rs7603436	S5	RRM2	rs115752779	S19	NA	2.35E-10	9.61E-03	2.87E-07	1.91E-07	1	0.000253959
phe.Fasting_rs7603436	S5	RRM2	rs141692339	S3	"PCDHGA6,PI	1.88E-11	7.70E-04	2.82E-08	1.67E-07	1	0.000225599
phe.Fasting_rs7603436	S5	RRM2	rs141926074	S8	ATE1	8.68E-08	1.00E+00	6.72E-05	1.07E-05	1	0.00863279
phe.Fasting_rs7603436	S5	RRM2	rs150992994	S11	"PCDHGA5,PI	2.83E-12	0.000115363	5.20E-09	4.21E-07	1	0.000511852
phe.Fasting_rs7603436	S5	RRM2	rs60011869	S16	NA	1.07E-11	0.000435955	1.69E-08	1.76E-09	0.0714764	3.92E-06
phe.Fasting_rs76146702	S5	PHC3	rs111576333	S5	TMEM64	1.89E-08	0.770765	1.67E-05	3.63E-08	1	5.76E-05
phe.Fasting_rs76146702	S5	PHC3	rs112091318	S5	TMEM64	4.18E-09	0.170602	4.13E-06	5.40E-08	1	8.21E-05
phe.Fasting_rs76146702	S5	PHC3	rs115083290	S19	NA	1.02E-07	1	7.74E-05	6.54E-09	0.266138	1.27E-05
phe.Fasting_rs76146702	S5	PHC3	rs115752779	S19	NA	1.02E-07	1	7.74E-05	6.54E-09	0.266138	1.27E-05
phe.Fasting_rs76146702	S5	PHC3	rs115888477	S8	NA	7.97E-06	1.00E+00	3.75E-03	6.01E-11	0.00244733	1.92E-07
phe.Fasting_rs76146702	S5	PHC3	rs116011837	S9	BRD2	3.20E-13	1.31E-05	6.85E-10	1.54E-11	0.00062499	5.53E-08
phe.Fasting_rs76146702	S5	PHC3	rs116120727	S9	BRD2	3.20E-13	1.31E-05	6.85E-10	1.54E-11	0.00062499	5.53E-08
phe.Fasting_rs76146702	S5	PHC3	rs116548615	S8	TMEM45B	1.72E-18	7.00E-11	3.71E-14	2.09E-10	0.00851021	5.89E-07
phe.Fasting_rs76146702	S5	PHC3	rs11989304	S4	TMEM64	1.89E-08	0.770765	1.67E-05	3.50E-08	1	5.57E-05

phe.Fasting_rs76146702	S5	PHC3	rs140524622	S7	MRPL10	2.75E-08	1.00E+00	2.37E-05	1.85E-06	1	0.00193234
phe.Fasting_rs76146702	S5	PHC3	rs141926074	S8	ATE1	1.66E-19	6.78E-12	2.40E-14	8.65E-11	0.00352252	2.67E-07
phe.Fasting_rs76146702	S5	PHC3	rs150916187	S4	HIST1H2BK	7.05E-06	1	0.00337474	6.37E-14	2.59E-06	4.32E-10
phe.Fasting_rs76146702	S5	PHC3	rs16894241	S4	HIST1H2BK	1.98E-05	1.00E+00	8.26E-03	1.81E-13	7.35E-06	1.02E-09
phe.Fasting_rs76146702	S5	PHC3	rs73392640	S8	POLR3B	6.77E-08	1.00E+00	5.38E-05	7.59E-06	1	0.00648187
phe.Fasting_rs76146702	S5	PHC3	rs75949566	S5	TMEM64	2.09E-08	8.52E-01	1.84E-05	9.31E-10	0.0378904	2.22E-06
phe.Fasting_rs76146702	S5	PHC3	rs7657672	S8	CLCN3	1.35E-05	1.00E+00	5.92E-03	6.74E-06	1	0.00588374
phe.Fasting_rs76146702	S5	PHC3	rs77845645	S21	NA	1.01E-08	4.11E-01	9.37E-06	7.43E-13	3.03E-05	3.58E-09
phe.Fasting_rs76146702	S5	PHC3	rs78990344	S2	LOC10050631	1.89E-08	7.71E-01	1.67E-05	3.50E-08	1	5.57E-05
phe.Fasting_rs7615039	S8	PHC3	rs111576333	S5	TMEM64	1.88E-08	0.769535	1.67E-05	3.22E-15	1.31E-07	3.09E-11
phe.Fasting_rs7615039	S8	PHC3	rs112091318	S5	TMEM64	5.74E-09	0.234299	5.57E-06	5.37E-15	2.19E-07	4.92E-11
phe.Fasting_rs7615039	S8	PHC3	rs112348319	S8	SPTLC1	1.71E-05	1.00E+00	7.28E-03	1.22E-09	0.0494629	2.84E-06
phe.Fasting_rs7615039	S8	PHC3	rs112608164	S8	SPTLC1	1.71E-05	1.00E+00	7.28E-03	1.22E-09	0.0494629	2.84E-06
phe.Fasting_rs7615039	S8	PHC3	rs113568654	S12	SPTLC1	1.64E-05	1.00E+00	7.00E-03	1.56E-08	0.634275	2.76E-05
phe.Fasting_rs7615039	S8	PHC3	rs114565620	S8	RCL1	2.56E-19	1.05E-11	2.40E-14	5.85E-07	1	0.000691616
phe.Fasting_rs7615039	S8	PHC3	rs115083290	S19	NA	8.10E-08	1.00E+00	6.30E-05	5.15E-09	0.209812	1.02E-05
phe.Fasting_rs7615039	S8	PHC3	rs115305957	S23	NA	9.32E-07	1.00E+00	5.69E-04	1.27E-07	1	0.000176021
phe.Fasting_rs7615039	S8	PHC3	rs115752779	S19	NA	8.10E-08	1.00E+00	6.30E-05	5.15E-09	0.209812	1.02E-05
phe.Fasting_rs7615039	S8	PHC3	rs115888477	S8	NA	1.24E-06	1.00E+00	7.34E-04	1.29E-10	0.00523971	3.88E-07
phe.Fasting_rs7615039	S8	PHC3	rs116011837	S9	BRD2	2.39E-13	9.74E-06	5.15E-10	3.34E-11	0.00135925	1.12E-07
phe.Fasting_rs7615039	S8	PHC3	rs116120727	S9	BRD2	2.39E-13	9.74E-06	5.15E-10	3.34E-11	0.00135925	1.12E-07
phe.Fasting_rs7615039	S8	PHC3	rs116548615	S8	TMEM45B	4.77E-19	1.95E-11	2.47E-14	1.23E-09	0.049904	2.86E-06
phe.Fasting_rs7615039	S8	PHC3	rs11989304	S4	TMEM64	1.88E-08	0.769535	1.67E-05	3.35E-15	1.37E-07	3.21E-11
phe.Fasting_rs7615039	S8	PHC3	rs140524622	S7	MRPL10	2.11E-08	0.860322	1.85E-05	3.23E-06	1	0.00312049
phe.Fasting_rs7615039	S8	PHC3	rs141926074	S8	ATE1	1.10E-19	4.51E-12	2.23E-14	2.10E-11	0.000854079	7.39E-08
phe.Fasting_rs7615039	S8	PHC3	rs73392640	S8	POLR3B	6.03E-08	1	4.85E-05	5.22E-09	0.212586	1.03E-05
phe.Fasting_rs7615039	S8	PHC3	rs74627895	S8	TMEM64	5.74E-09	0.234299	5.57E-06	2.92E-10	0.0118714	7.93E-07
phe.Fasting_rs7615039	S8	PHC3	rs74701059	S24	C17orf102	1.00E-06	1	0.000606332	1.49E-07	1	0.000202911
phe.Fasting_rs7615039	S8	PHC3	rs75350765	S5	RCL1	2.56E-19	1.05E-11	2.40E-14	5.85E-07	1	0.000691616
phe.Fasting_rs7615039	S8	PHC3	rs75506779	S5	TMCO3	6.49E-14	2.65E-06	1.51E-10	5.29E-06	1	0.00480172
phe.Fasting_rs7615039	S8	PHC3	rs75949566	S5	TMEM64	2.07E-08	0.84493	1.82E-05	3.97E-15	1.62E-07	3.73E-11
phe.Fasting_rs7615039	S8	PHC3	rs76542405	S5	SPTLC1	1.71E-05	1	7.28E-03	1.22E-09	0.0494629	2.84E-06
phe.Fasting_rs7615039	S8	PHC3	rs77523818	S7	SPTLC1	1.71E-05	1	7.28E-03	1.22E-09	0.0494629	2.84E-06
phe.Fasting_rs7615039	S8	PHC3	rs7763107	S8	FARS2	1.17E-09	4.79E-02	1.27E-06	2.87E-06	1	0.00281845
phe.Fasting_rs7615039	S8	PHC3	rs77845645	S21	NA	8.97E-09	3.66E-01	8.45E-06	2.97E-18	1.21E-10	7.99E-13
phe.Fasting_rs7615039	S8	PHC3	rs78990344	S2	LOC10050631	1.88E-08	0.769535	1.67E-05	3.35E-15	1.37E-07	3.21E-11
phe.Fasting_rs7615039	S8	PHC3	rs79703349	S24	C17orf102	1.00E-06	1.00E+00	6.06E-04	2.09E-07	1	2.75E-04
phe.Fasting_rs7638400	S7	PHC3	rs111576333	S5	TMEM64	2.07E-08	8.44E-01	1.82E-05	2.31E-10	0.00941342	6.43E-07
phe.Fasting_rs7638400	S7	PHC3	rs112091318	S5	TMEM64	6.28E-09	2.57E-01	6.07E-06	3.37E-10	0.013698	8.96E-07
phe.Fasting_rs7638400	S7	PHC3	rs112348319	S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	0.0319139	1.93E-06

phe.Fasting_rs7638400	S7	PHC3	rs112608164 S8	SPTLC1	1.92E-05	1.00E+00	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs7638400	S7	PHC3	rs113568654 S12	SPTLC1	1.84E-05	1.00E+00	7.76E-03	1.04E-08	0.421423	1.91E-05
phe.Fasting_rs7638400	S7	PHC3	rs114565620 S8	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	0.000489631
phe.Fasting_rs7638400	S7	PHC3	rs115083290 S19	NA	8.85E-08	1	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_rs7638400	S7	PHC3	rs115752779 S19	NA	8.85E-08	1	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_rs7638400	S7	PHC3	rs115888477 S8	NA	1.34E-06	1	0.000791384	7.82E-11	0.00318365	2.44E-07
phe.Fasting_rs7638400	S7	PHC3	rs116011837 S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs7638400	S7	PHC3	rs116120727 S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs7638400	S7	PHC3	rs116548615 S8	TMEM45B	5.29E-19	2.16E-11	2.49E-14	7.92E-10	0.0322544	1.95E-06
phe.Fasting_rs7638400	S7	PHC3	rs11989304 S4	TMEM64	2.07E-08	8.44E-01	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs7638400	S7	PHC3	rs140524622 S7	MRPL10	2.30E-08	0.93902	2.01E-05	2.14E-06	1	0.00219216
phe.Fasting_rs7638400	S7	PHC3	rs141926074 S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs7638400	S7	PHC3	rs73392640 S8	POLR3B	6.58E-08	1	5.26E-05	8.97E-06	1	0.00747055
phe.Fasting_rs7638400	S7	PHC3	rs74627895 S8	TMEM64	6.28E-09	2.57E-01	6.07E-06	1.27E-06	1	0.00139909
phe.Fasting_rs7638400	S7	PHC3	rs75350765 S5	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	0.000489631
phe.Fasting_rs7638400	S7	PHC3	rs75506779 S5	TMCO3	7.38E-14	3.01E-06	1.70E-10	3.50E-06	1	0.00334821
phe.Fasting_rs7638400	S7	PHC3	rs75949566 S5	TMEM64	2.26E-08	0.923876	1.98E-05	3.24E-10	0.0132	8.70E-07
phe.Fasting_rs7638400	S7	PHC3	rs76542405 S5	SPTLC1	1.92E-05	1	0.00806329	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs7638400	S7	PHC3	rs77523818 S7	SPTLC1	1.92E-05	1	0.00806329	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs7638400	S7	PHC3	rs7763107 S8	FARS2	1.30E-09	0.0532742	1.41E-06	2.87E-06	1	0.00281845
phe.Fasting_rs7638400	S7	PHC3	rs77845645 S21	NA	9.87E-09	0.403004	9.22E-06	9.90E-13	4.03E-05	4.68E-09
phe.Fasting_rs7638400	S7	PHC3	rs78990344 S2	LOC10050631	2.07E-08	0.844108	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs76542405	S5	SPTLC1	rs114968018 S21	NA	7.91E-14	3.23E-06	1.82E-10	1.22E-06	1	0.00135245
phe.Fasting_rs76542405	S5	SPTLC1	rs115305957 S23	NA	2.18E-06	1	0.00120716	1.25E-11	0.000508253	4.57E-08
phe.Fasting_rs76542405	S5	SPTLC1	rs115787552 S5	KPNA3	8.45E-06	1	0.00394669	1.44E-15	5.86E-08	1.61E-11
phe.Fasting_rs76542405	S5	SPTLC1	rs116079984 S8	KPNA3	8.45E-06	1	0.00394669	1.78E-15	7.24E-08	1.94E-11
phe.Fasting_rs76542405	S5	SPTLC1	rs12581352 S2	NA	7.63E-18	3.12E-10	8.49E-14	2.07E-13	8.42E-06	1.15E-09
phe.Fasting_rs76542405	S5	SPTLC1	rs140524622 S7	MRPL10	4.51E-07	1	0.000298232	9.18E-09	0.37374	1.73E-05
phe.Fasting_rs76542405	S5	SPTLC1	rs146815317 S5	KPNA3	8.45E-06	1	0.00394669	1.44E-15	5.86E-08	1.61E-11
phe.Fasting_rs76542405	S5	SPTLC1	rs150117838 S8	KPNA3	8.45E-06	1	0.00394669	1.39E-15	5.68E-08	1.57E-11
phe.Fasting_rs76542405	S5	SPTLC1	rs4820499 S10	PACCSIN2	3.11E-09	0.127003	3.16E-06	1.69E-09	0.0688813	3.80E-06
phe.Fasting_rs76542405	S5	SPTLC1	rs57503635 S3	NA	1.02E-06	1	0.00061519	3.81E-15	1.55E-07	3.60E-11
phe.Fasting_rs76542405	S5	SPTLC1	rs7256517 S7	CYTH2	1.97E-13	8.05E-06	4.34E-10	8.09E-08	1	0.000117069
phe.Fasting_rs76542405	S5	SPTLC1	rs73392640 S8	POLR3B	3.49E-07	1	0.000238236	2.52E-09	0.102571	5.42E-06
phe.Fasting_rs76542405	S5	SPTLC1	rs73619637 S8	NA	6.45E-17	2.63E-09	2.97E-13	1.16E-08	0.47072	2.11E-05
phe.Fasting_rs76542405	S5	SPTLC1	rs74701059 S24	C17orf102	2.09E-06	1	0.00116731	1.43E-11	0.000580785	5.16E-08
phe.Fasting_rs76542405	S5	SPTLC1	rs74914207 S24	NA	3.96E-06	1	0.002026	5.67E-09	0.230611	1.11E-05
phe.Fasting_rs76542405	S5	SPTLC1	rs7511534 S12	PACCSIN2	2.43E-09	0.0993832	2.51E-06	2.13E-09	0.0866869	4.68E-06
phe.Fasting_rs76542405	S5	SPTLC1	rs77798597 S7	KPNA3	8.45E-06	1	0.00394669	1.39E-15	5.68E-08	1.57E-11
phe.Fasting_rs76542405	S5	SPTLC1	rs78736524 S5	KPNA3	8.45E-06	1	0.00394669	1.44E-15	5.86E-08	1.61E-11

phe.Fasting_rs76542405	S5	SPTLC1	rs79703349	S24	C17orf102	2.09E-06	1	0.00116731	1.80E-11	0.000733527	6.43E-08
phe.Fasting_rs76542405	S5	SPTLC1	rs79781495	S8	KPNA3	8.45E-06	1	0.00394669	1.39E-15	5.68E-08	1.57E-11
phe.Fasting_rs76542405	S5	SPTLC1	rs80332465	S5	KPNA3	1.20E-05	1	0.00535958	1.50E-15	6.12E-08	1.67E-11
phe.Fasting_rs76542405	S5	SPTLC1	rs80334773	S5	KPNA3	1.20E-05	1	0.00535958	1.50E-15	6.12E-08	1.67E-11
phe.Fasting_rs7657672	S8	CLCN3	rs112027720	S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs113219478	S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs113357907	S24	ISL1	5.58E-17	2.28E-09	2.68E-13	5.69E-13	2.32E-05	2.82E-09
phe.Fasting_rs7657672	S8	CLCN3	rs116011837	S9	BRD2	5.73E-12	0.000234098	1.01E-08	3.40E-07	1	0.00042322
phe.Fasting_rs7657672	S8	CLCN3	rs116120727	S9	BRD2	5.73E-12	0.000234098	1.01E-08	3.40E-07	1	0.00042322
phe.Fasting_rs7657672	S8	CLCN3	rs116279995	S20	"PCDHGA4,PI	1.70E-09	0.0692363	1.79E-06	2.93E-07	1	0.000371172
phe.Fasting_rs7657672	S8	CLCN3	rs138090701	S5	HDAC3	2.60E-09	0.106177	2.67E-06	3.60E-06	1	0.00343359
phe.Fasting_rs7657672	S8	CLCN3	rs138136869	S7	DIAPH1	1.50E-14	6.14E-07	3.79E-11	4.55E-10	0.0185068	1.19E-06
phe.Fasting_rs7657672	S8	CLCN3	rs138457103	S10	DIAPH1	4.39E-14	1.79E-06	1.05E-10	3.13E-09	0.127206	6.59E-06
phe.Fasting_rs7657672	S8	CLCN3	rs138487229	S11	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs138738950	S8	"PCDHGB2,PI	5.92E-14	2.42E-06	1.38E-10	3.73E-09	0.151901	7.70E-06
phe.Fasting_rs7657672	S8	CLCN3	rs139297927	S8	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs139337303	S8	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs139403963	S8	DIAPH1	1.50E-14	6.14E-07	3.79E-11	4.55E-10	0.0185068	1.19E-06
phe.Fasting_rs7657672	S8	CLCN3	rs139621309	S18	"LOC10050505	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs139828110	S8	DIAPH1	1.50E-14	6.14E-07	3.79E-11	4.55E-10	0.0185068	1.19E-06
phe.Fasting_rs7657672	S8	CLCN3	rs140070363	S8	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs140644750	S13	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs141022544	S8	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs141525984	S5	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs141692339	S3	"PCDHGA6,PI	1.62E-09	0.0660746	1.72E-06	4.20E-07	1	0.00051005
phe.Fasting_rs7657672	S8	CLCN3	rs141926074	S8	ATE1	3.77E-10	0.0153886	4.41E-07	4.66E-12	0.000189613	1.86E-08
phe.Fasting_rs7657672	S8	CLCN3	rs142480565	S8	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs142718558	S7	"DIAPH1,LOC	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs142789100	S8	DIAPH1	1.50E-14	6.14E-07	3.79E-11	4.55E-10	0.0185068	1.19E-06
phe.Fasting_rs7657672	S8	CLCN3	rs142812798	S7	DIAPH1	1.50E-14	6.14E-07	3.79E-11	4.55E-10	0.0185068	1.19E-06
phe.Fasting_rs7657672	S8	CLCN3	rs143377827	S13	"DIAPH1,LOC	1.01E-14	4.14E-07	2.58E-11	3.78E-10	0.0153751	9.98E-07
phe.Fasting_rs7657672	S8	CLCN3	rs143691978	S11	DIAPH1	1.50E-14	6.14E-07	3.79E-11	6.23E-10	0.0253393	1.57E-06
phe.Fasting_rs7657672	S8	CLCN3	rs144081334	S11	DIAPH1	1.50E-14	6.14E-07	3.79E-11	6.23E-10	0.0253393	1.57E-06
phe.Fasting_rs7657672	S8	CLCN3	rs144613910	S8	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs145027704	S11	DIAPH1	1.50E-14	6.14E-07	3.79E-11	6.23E-10	0.0253393	1.57E-06
phe.Fasting_rs7657672	S8	CLCN3	rs146220673	S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs146622060	S13	DIAPH1	1.50E-14	6.14E-07	3.79E-11	6.23E-10	0.0253393	1.57E-06
phe.Fasting_rs7657672	S8	CLCN3	rs146878162	S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs147314451	S8	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs147417996	S7	DIAPH1	1.50E-14	6.14E-07	3.79E-11	6.23E-10	0.0253393	1.57E-06

phe.Fasting_rs7657672	S8	CLCN3	rs147506725 S21	"PCDHGA1,PI	1.70E-09	0.0692363	1.79E-06	2.93E-07	1	0.000371172
phe.Fasting_rs7657672	S8	CLCN3	rs147646948 S7	"LOC1005056	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs147677041 S8	DIAPH1	1.50E-14	6.14E-07	3.79E-11	4.55E-10	0.0185068	1.19E-06
phe.Fasting_rs7657672	S8	CLCN3	rs148116628 S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs148423011 S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs149019627 S8	DIAPH1	1.50E-14	6.14E-07	3.79E-11	4.55E-10	0.0185068	1.19E-06
phe.Fasting_rs7657672	S8	CLCN3	rs149075406 S8	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs149334783 S8	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs149553852 S21	"PCDHGA10,	1.70E-09	0.0692363	1.79E-06	2.93E-07	1	0.000371172
phe.Fasting_rs7657672	S8	CLCN3	rs149716949 S5	DIAPH1	4.05E-15	1.65E-07	1.07E-11	3.47E-10	0.0141127	9.20E-07
phe.Fasting_rs7657672	S8	CLCN3	rs149791570 S5	DIAPH1	1.50E-14	6.14E-07	3.79E-11	4.55E-10	0.0185068	1.19E-06
phe.Fasting_rs7657672	S8	CLCN3	rs150452206 S13	"DIAPH1,LOC	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs150675915 S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs150765570 S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs150916187 S4	HIST1H2BK	6.33E-09	0.258364	6.11E-06	9.19E-08	1	0.000131237
phe.Fasting_rs7657672	S8	CLCN3	rs150992994 S11	"PCDHGA5,PI	5.39E-14	2.20E-06	1.26E-10	3.35E-09	0.136462	7.04E-06
phe.Fasting_rs7657672	S8	CLCN3	rs151204700 S8	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs151330468 S8	DIAPH1	1.50E-14	6.14E-07	3.79E-11	6.23E-10	0.0253393	1.57E-06
phe.Fasting_rs7657672	S8	CLCN3	rs16894241 S4	HIST1H2BK	2.55E-11	0.00104094	3.69E-08	1.75E-07	1	0.000235061
phe.Fasting_rs7657672	S8	CLCN3	rs180772028 S8	"DIAPH1,LOC	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs181224861 S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs181247960 S21	"PCDHGA9,PI	1.70E-09	0.0692363	1.79E-06	2.93E-07	1	0.000371172
phe.Fasting_rs7657672	S8	CLCN3	rs181824655 S21	"PCDHGB6,PI	1.70E-09	0.0692363	1.79E-06	2.93E-07	1	0.000371172
phe.Fasting_rs7657672	S8	CLCN3	rs182714699 S8	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs182965141 S8	DIAPH1	1.81E-14	7.38E-07	4.52E-11	1.47E-10	0.00598212	4.39E-07
phe.Fasting_rs7657672	S8	CLCN3	rs183597049 S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs183980988 S2	NA	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs184233232 S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs184509477 S13	"PCDHGB4,PI	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs185069296 S15	"LOC1005056	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs185502834 S8	DIAPH1	1.50E-14	6.14E-07	3.79E-11	4.55E-10	0.0185068	1.19E-06
phe.Fasting_rs7657672	S8	CLCN3	rs185759881 S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs186288044 S21	"PCDHGB4,PI	1.70E-09	0.0692363	1.79E-06	2.93E-07	1	0.000371172
phe.Fasting_rs7657672	S8	CLCN3	rs187000011 S11	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs188981295 S5	"RPS27AP10,	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs190559574 S7	DIAPH1	1.50E-14	6.14E-07	3.79E-11	4.55E-10	0.0185068	1.19E-06
phe.Fasting_rs7657672	S8	CLCN3	rs191544043 S8	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs191766712 S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs192690040 S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs192765219 S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06

phe.Fasting_rs7657672	S8	CLCN3	rs192770525 S7	DIAPH1	5.92E-14	2.42E-06	1.38E-10	3.40E-09	0.138437	7.12E-06
phe.Fasting_rs7657672	S8	CLCN3	rs35990401 S7	DIAPH1	8.29E-14	3.39E-06	1.90E-10	1.21E-09	0.0491666	2.82E-06
phe.Fasting_rs7657672	S8	CLCN3	rs55900860 S7	DIAPH1	1.50E-14	6.14E-07	3.79E-11	4.55E-10	0.0185068	1.19E-06
phe.Fasting_rs7657672	S8	CLCN3	rs57503635 S3	NA	5.88E-13	2.40E-05	1.24E-09	4.68E-06	1	0.00433199
phe.Fasting_rs7657672	S8	CLCN3	rs6881310 S23	ISL1	3.07E-12	1.26E-04	5.63E-09	7.01E-11	0.00285495	2.20E-07
phe.Fasting_rs7657672	S8	CLCN3	rs77444916 S23	LOC642366	1.23E-16	5.01E-09	5.00E-13	5.32E-13	2.17E-05	2.65E-09
phe.Fasting_rs7657672	S8	CLCN3	rs79517926 S15	"DIAPH1,LOC	2.16E-12	8.81E-05	4.05E-09	6.09E-09	0.248026	1.18E-05
phe.Fasting_rs7657672	S8	CLCN3	rs80258830 S24	LOC642366	1.23E-16	5.01E-09	5.00E-13	5.32E-13	2.17E-05	2.65E-09
phe.Fasting_rs76737663	S1	LOC654841	rs113357907 S24	ISL1	8.66E-18	3.54E-10	8.94E-14	1.18E-09	0.0480121	2.76E-06
phe.Fasting_rs76737663	S1	LOC654841	rs116011837 S9	BRD2	2.83E-06	1.00E+00	1.50E-03	2.83E-13	1.15E-05	1.55E-09
phe.Fasting_rs76737663	S1	LOC654841	rs116120727 S9	BRD2	2.83E-06	1	1.50E-03	2.83E-13	1.15E-05	1.55E-09
phe.Fasting_rs76737663	S1	LOC654841	rs139070959 S8	RPN2	1.39E-17	5.66E-10	1.13E-13	3.89E-10	0.0158517	1.03E-06
phe.Fasting_rs76737663	S1	LOC654841	rs141926074 S8	ATE1	2.67E-07	1	0.000185731	2.73E-09	0.111071	5.83E-06
phe.Fasting_rs76737663	S1	LOC654841	rs145412529 S8	"RBL1,RPS3A	8.15E-18	3.33E-10	8.69E-14	4.36E-10	0.0177509	1.14E-06
phe.Fasting_rs76737663	S1	LOC654841	rs150916187 S4	HIST1H2BK	6.55E-07	1	0.000417265	1.27E-12	5.17E-05	5.81E-09
phe.Fasting_rs76737663	S1	LOC654841	rs16894241 S4	HIST1H2BK	9.52E-07	1	5.80E-04	3.33E-12	0.00013541	1.40E-08
phe.Fasting_rs76737663	S1	LOC654841	rs2153597 S8	ZNF438	6.23E-11	0.00254533	8.35E-08	9.31E-06	1	0.00769393
phe.Fasting_rs76737663	S1	LOC654841	rs57503635 S3	NA	1.33E-16	5.42E-09	5.30E-13	2.03E-32	8.25E-25	4.52E-25
phe.Fasting_rs76737663	S1	LOC654841	rs6881310 S23	ISL1	8.47E-17	3.46E-09	3.69E-13	1.35E-06	1	0.00147973
phe.Fasting_rs76737663	S1	LOC654841	rs77444916 S23	LOC642366	2.88E-17	1.18E-09	1.66E-13	1.13E-09	0.0459109	2.66E-06
phe.Fasting_rs76737663	S1	LOC654841	rs77845645 S21	NA	3.06E-17	1.25E-09	1.73E-13	6.01E-07	1	0.000708936
phe.Fasting_rs76737663	S1	LOC654841	rs80258830 S24	LOC642366	2.88E-17	1.18E-09	1.66E-13	1.13E-09	0.0459109	2.66E-06
phe.Fasting_rs7675011	S8	NEK1	rs112027720 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs112089881 S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	7.39E-09	0.300904	1.42E-05
phe.Fasting_rs7675011	S8	NEK1	rs113219478 S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs113357907 S24	ISL1	6.12E-18	2.50E-10	7.50E-14	1.27E-15	5.16E-08	1.44E-11
phe.Fasting_rs7675011	S8	NEK1	rs115787552 S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.13E-07	1	0.000393894
phe.Fasting_rs7675011	S8	NEK1	rs115888477 S8	NA	2.70E-15	1.10E-07	7.57E-12	2.44E-08	0.994402	4.03E-05
phe.Fasting_rs7675011	S8	NEK1	rs116011837 S9	BRD2	2.29E-17	9.34E-10	1.45E-13	3.18E-10	0.0129556	8.55E-07
phe.Fasting_rs7675011	S8	NEK1	rs116079984 S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.67E-07	1	0.000454306
phe.Fasting_rs7675011	S8	NEK1	rs116120727 S9	BRD2	2.29E-17	9.34E-10	1.45E-13	3.18E-10	0.0129556	8.55E-07
phe.Fasting_rs7675011	S8	NEK1	rs116279995 S20	"PCDHGA4,PI	2.15E-05	1.00E+00	8.87E-03	3.33E-07	1	0.000415605
phe.Fasting_rs7675011	S8	NEK1	rs138090701 S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	1.93E-08	0.787129	3.33E-05
phe.Fasting_rs7675011	S8	NEK1	rs138136869 S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs7675011	S8	NEK1	rs138457103 S10	DIAPH1	5.43E-12	0.000221795	9.60E-09	2.89E-08	1	4.72E-05
phe.Fasting_rs7675011	S8	NEK1	rs138487229 S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs138738950 S8	"PCDHGB2,PI	9.17E-12	0.000374383	1.48E-08	3.08E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs139297927 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs139337303 S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs139403963 S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06

phe.Fasting_rs7675011	S8	NEK1	rs139621309S18	"LOC1005056	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs139828110S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs7675011	S8	NEK1	rs140070363S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs140644750S13	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs141022544S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs141525984S5	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs141926074S8	ATE1	1.33E-06	1	0.000783423	2.84E-14	1.16E-06	2.14E-10
phe.Fasting_rs7675011	S8	NEK1	rs142480565S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs142718558S7	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs142789100S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs7675011	S8	NEK1	rs142812798S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs7675011	S8	NEK1	rs143377827S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	3.66E-09	0.14914	7.58E-06
phe.Fasting_rs7675011	S8	NEK1	rs143691978S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs7675011	S8	NEK1	rs144081334S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs7675011	S8	NEK1	rs144613910S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs145027704S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs7675011	S8	NEK1	rs146220673S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs146622060S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs7675011	S8	NEK1	rs146815317S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.13E-07	1	0.000393894
phe.Fasting_rs7675011	S8	NEK1	rs146878162S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs1470889 S5	ZC3H3	3.60E-08	1	3.04E-05	1.27E-06	1	0.00139597
phe.Fasting_rs7675011	S8	NEK1	rs1470890 S5	ZC3H3	3.60E-08	1	3.04E-05	1.27E-06	1	0.00139597
phe.Fasting_rs7675011	S8	NEK1	rs147314451S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs147417996S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs7675011	S8	NEK1	rs147506725S21	"PCDHGA1,Pi	2.15E-05	1	8.87E-03	3.33E-07	1	0.000415605
phe.Fasting_rs7675011	S8	NEK1	rs147646948S7	"LOC1005056	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs147677041S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs7675011	S8	NEK1	rs148116628S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs148423011S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs149019627S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs7675011	S8	NEK1	rs149075406S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs149334783S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs149553852S21	"PCDHGA10,	2.15E-05	1	0.00887266	3.33E-07	1	0.000415605
phe.Fasting_rs7675011	S8	NEK1	rs149716949S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	3.86E-09	0.15716	7.94E-06
phe.Fasting_rs7675011	S8	NEK1	rs149791570S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs7675011	S8	NEK1	rs150117838S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.00E-07	1	0.000378616
phe.Fasting_rs7675011	S8	NEK1	rs150452206S13	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs150675915S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs150765570S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs150992994S11	"PCDHGA5,Pi	9.47E-12	0.000386737	1.52E-08	2.95E-08	1	4.80E-05

phe.Fasting_rs7675011	S8	NEK1	rs151204700	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs151330468	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	6.99E-09	0.284722	1.35E-05
phe.Fasting_rs7675011	S8	NEK1	rs16894241	S4	HIST1H2BK	5.24E-08	1	4.28E-05	6.75E-07	1	0.000789743
phe.Fasting_rs7675011	S8	NEK1	rs180772028	S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs181224861	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs181247960	S21	"PCDHGA9,PI	2.15E-05	1	0.00887266	3.33E-07	1	0.000415605
phe.Fasting_rs7675011	S8	NEK1	rs181824655	S21	"PCDHGB6,PI	2.15E-05	1	0.00887266	3.33E-07	1	0.000415605
phe.Fasting_rs7675011	S8	NEK1	rs182714699	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs182965141	S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	2.45E-09	0.0995578	5.28E-06
phe.Fasting_rs7675011	S8	NEK1	rs183597049	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs183980988	S2	NA	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs184233232	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs184509477	S13	"PCDHGB4,PI	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs185069296	S15	"LOC1005056	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs185502834	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs7675011	S8	NEK1	rs185759881	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs186288044	S21	"PCDHGB4,PI	2.15E-05	1	0.00887266	3.33E-07	1	0.000415605
phe.Fasting_rs7675011	S8	NEK1	rs187000011	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs188981295	S5	"RPS27AP10,	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs190559574	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs7675011	S8	NEK1	rs191544043	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs191766712	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs192690040	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs192765219	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs192770525	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	3.09E-08	1	4.98E-05
phe.Fasting_rs7675011	S8	NEK1	rs2924507	S5	ZC3H3	3.60E-08	1	3.04E-05	1.27E-06	1	0.00139597
phe.Fasting_rs7675011	S8	NEK1	rs2924508	S8	ZC3H3	3.60E-08	1	3.04E-05	1.77E-06	1	0.00186217
phe.Fasting_rs7675011	S8	NEK1	rs2924511	S7	ZC3H3	3.60E-08	1	3.04E-05	1.08E-06	1	0.00121176
phe.Fasting_rs7675011	S8	NEK1	rs2924512	S7	ZC3H3	4.02E-08	1	3.37E-05	1.35E-06	1	0.00147188
phe.Fasting_rs7675011	S8	NEK1	rs2956376	S8	ZC3H3	3.60E-08	1	3.04E-05	7.36E-07	1	0.000853057
phe.Fasting_rs7675011	S8	NEK1	rs2980270	S7	ZC3H3	3.60E-08	1	3.04E-05	7.36E-07	1	0.000853057
phe.Fasting_rs7675011	S8	NEK1	rs2980272	S7	ZC3H3	4.02E-08	1	3.37E-05	1.41E-06	1	0.00153088
phe.Fasting_rs7675011	S8	NEK1	rs2980275	S5	ZC3H3	3.60E-08	1	3.04E-05	1.27E-06	1	0.00139597
phe.Fasting_rs7675011	S8	NEK1	rs35990401	S7	DIAPH1	8.40E-12	0.000343123	1.39E-08	1.16E-08	0.474122	2.13E-05
phe.Fasting_rs7675011	S8	NEK1	rs366767	S5	ZC3H3	6.34E-08	1	5.08E-05	7.89E-07	1	0.000909793
phe.Fasting_rs7675011	S8	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	4.45E-09	0.180939	9.00E-06
phe.Fasting_rs7675011	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	3.40E-12	0.000138444	1.43E-08
phe.Fasting_rs7675011	S8	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	1.80E-08	0.733806	3.14E-05
phe.Fasting_rs7675011	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs7675011	S8	NEK1	rs77798597	S7	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.00E-07	1	0.000378616



phe.Fasting_rs7675011	S8	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	4.64E-07	1	0.000558314
phe.Fasting_rs7675011	S8	NEK1	rs78736524	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.13E-07	1	0.000393894
phe.Fasting_rs7675011	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	3.36E-09	0.136596	7.04E-06
phe.Fasting_rs7675011	S8	NEK1	rs79781495	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	3.00E-07	1	0.000378616
phe.Fasting_rs7675011	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	1.19E-15	4.84E-08	1.36E-11
phe.Fasting_rs7675011	S8	NEK1	rs80332465	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	3.13E-07	1	0.000393227
phe.Fasting_rs7675011	S8	NEK1	rs80334773	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	3.13E-07	1	0.000393227
phe.Fasting_rs76844308	S8	CNTLN	rs112348319	S8	SPTLC1	4.41E-10	0.0180199	5.08E-07	2.34E-07	1	0.000304136
phe.Fasting_rs76844308	S8	CNTLN	rs112608164	S8	SPTLC1	4.41E-10	0.0180199	5.08E-07	2.34E-07	1	0.000304136
phe.Fasting_rs76844308	S8	CNTLN	rs113568654	S12	SPTLC1	3.78E-10	0.0154527	4.42E-07	1.90E-06	1	0.00198179
phe.Fasting_rs76844308	S8	CNTLN	rs115083290	S19	NA	1.78E-09	0.0725394	1.87E-06	4.41E-17	1.80E-09	3.55E-12
phe.Fasting_rs76844308	S8	CNTLN	rs115752779	S19	NA	1.78E-09	0.0725394	1.87E-06	4.41E-17	1.80E-09	3.55E-12
phe.Fasting_rs76844308	S8	CNTLN	rs139070959	S8	RPN2	3.76E-18	1.54E-10	5.76E-14	3.24E-12	0.000131982	1.37E-08
phe.Fasting_rs76844308	S8	CNTLN	rs145412529	S8	"RBL1,RPS3A	2.13E-18	8.71E-11	4.27E-14	3.80E-10	0.0154792	1.00E-06
phe.Fasting_rs76844308	S8	CNTLN	rs57503635	S3	NA	4.62E-17	1.89E-09	2.34E-13	6.15E-16	2.50E-08	1.16E-11
phe.Fasting_rs76844308	S8	CNTLN	rs60011869	S16	NA	8.87E-08	1	6.85E-05	1.39E-07	1	0.00019094
phe.Fasting_rs76844308	S8	CNTLN	rs76542405	S5	SPTLC1	4.41E-10	0.0180199	5.08E-07	2.34E-07	1	0.000304136
phe.Fasting_rs76844308	S8	CNTLN	rs77523818	S7	SPTLC1	4.41E-10	0.0180199	5.08E-07	2.34E-07	1	0.000304136
phe.Fasting_rs76844308	S8	CNTLN	rs78516788	S8	SLC38A1	3.17E-18	1.29E-10	5.39E-14	4.88E-08	1	7.52E-05
phe.Fasting_rs7690583	S8	NEK1	rs112027720	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs112089881	S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	5.69E-09	0.231497	1.11E-05
phe.Fasting_rs7690583	S8	NEK1	rs113219478	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	8.90E-16	3.62E-08	1.16E-11
phe.Fasting_rs7690583	S8	NEK1	rs115787552	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.22E-07	1	0.000289987
phe.Fasting_rs7690583	S8	NEK1	rs115888477	S8	NA	2.70E-15	1.10E-07	7.57E-12	1.69E-08	0.68669	2.95E-05
phe.Fasting_rs7690583	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.23E-10	0.00906089	6.23E-07
phe.Fasting_rs7690583	S8	NEK1	rs116079984	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.60E-07	1	0.000333919
phe.Fasting_rs7690583	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	2.23E-10	0.00906089	6.23E-07
phe.Fasting_rs7690583	S8	NEK1	rs116279995	S20	"PCDHGA4,PI	2.15E-05	1	8.87E-03	2.44E-07	1	0.00031541
phe.Fasting_rs7690583	S8	NEK1	rs138090701	S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	1.39E-08	0.565314	2.49E-05
phe.Fasting_rs7690583	S8	NEK1	rs138136869	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs7690583	S8	NEK1	rs138457103	S10	DIAPH1	5.43E-12	0.000221795	9.60E-09	2.17E-08	0.884483	3.70E-05
phe.Fasting_rs7690583	S8	NEK1	rs138487229	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs138738950	S8	"PCDHGB2,PI	9.17E-12	0.000374383	1.48E-08	2.31E-08	0.939094	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs139297927	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs139337303	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs139403963	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs7690583	S8	NEK1	rs139621309	S18	"LOC1005050	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs139828110	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs7690583	S8	NEK1	rs140070363	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05

phe.Fasting_rs7690583	S8	NEK1	rs140644750S13	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs141022544S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs141525984S5	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs141926074S8	ATE1	1.33E-06	1	0.000783423	2.03E-14	8.25E-07	1.62E-10
phe.Fasting_rs7690583	S8	NEK1	rs142480565S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs142718558S7	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs142789100S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs7690583	S8	NEK1	rs142812798S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs7690583	S8	NEK1	rs143377827S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	2.58E-09	0.105219	5.55E-06
phe.Fasting_rs7690583	S8	NEK1	rs143691978S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.09E-09	0.206989	1.01E-05
phe.Fasting_rs7690583	S8	NEK1	rs144081334S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.09E-09	0.206989	1.01E-05
phe.Fasting_rs7690583	S8	NEK1	rs144613910S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs145027704S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.09E-09	0.206989	1.01E-05
phe.Fasting_rs7690583	S8	NEK1	rs146220673S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs146622060S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.09E-09	0.206989	1.01E-05
phe.Fasting_rs7690583	S8	NEK1	rs146815317S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.22E-07	1	0.000289987
phe.Fasting_rs7690583	S8	NEK1	rs146878162S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs1470889 S5	ZC3H3	3.60E-08	1	3.04E-05	7.22E-07	1	0.000838245
phe.Fasting_rs7690583	S8	NEK1	rs1470890 S5	ZC3H3	3.60E-08	1	3.04E-05	7.22E-07	1	0.000838245
phe.Fasting_rs7690583	S8	NEK1	rs147314451S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs147417996S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.09E-09	0.206989	1.01E-05
phe.Fasting_rs7690583	S8	NEK1	rs147506725S21	"PCDHGA1,Pi	2.15E-05	1	8.87E-03	2.44E-07	1	0.00031541
phe.Fasting_rs7690583	S8	NEK1	rs147646948S7	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs147677041S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs7690583	S8	NEK1	rs148116628S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs148423011S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs149019627S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs7690583	S8	NEK1	rs149075406S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs149334783S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs149553852S21	"PCDHGA10,I	2.15E-05	1	0.00887266	2.44E-07	1	0.00031541
phe.Fasting_rs7690583	S8	NEK1	rs149716949S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	2.82E-09	0.11499	6.01E-06
phe.Fasting_rs7690583	S8	NEK1	rs149791570S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs7690583	S8	NEK1	rs150117838S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.12E-07	1	0.000278281
phe.Fasting_rs7690583	S8	NEK1	rs150452206S13	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs150675915S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs150765570S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs150992994S11	"PCDHGA5,Pi	9.47E-12	0.000386737	1.52E-08	2.23E-08	0.906871	3.74E-05
phe.Fasting_rs7690583	S8	NEK1	rs151204700S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs151330468S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	5.09E-09	0.206989	1.01E-05
phe.Fasting_rs7690583	S8	NEK1	rs16894241 S4	HIST1H2BK	5.24E-08	1	4.28E-05	5.37E-07	1	0.000638224

phe.Fasting_rs7690583	S8	NEK1	rs180772028	S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs181224861	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs181247960	S21	"PCDHGA9,PI	2.15E-05	1	0.00887266	2.44E-07	1	0.00031541
phe.Fasting_rs7690583	S8	NEK1	rs181824655	S21	"PCDHGB6,PI	2.15E-05	1	0.00887266	2.44E-07	1	0.00031541
phe.Fasting_rs7690583	S8	NEK1	rs182714699	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs182965141	S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	1.71E-09	0.0696643	3.83E-06
phe.Fasting_rs7690583	S8	NEK1	rs183597049	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs183980988	S2	NA	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs184233232	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs184509477	S13	"PCDHGB4,PI	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs185069296	S15	"LOC1005056	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs185502834	S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs7690583	S8	NEK1	rs185759881	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs186288044	S21	"PCDHGB4,PI	2.15E-05	1	0.00887266	2.44E-07	1	0.00031541
phe.Fasting_rs7690583	S8	NEK1	rs187000011	S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs188981295	S5	"RPS27AP10,	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs190559574	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs7690583	S8	NEK1	rs191544043	S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs191766712	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs192690040	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs192765219	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs192770525	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	2.32E-08	0.942747	3.85E-05
phe.Fasting_rs7690583	S8	NEK1	rs2924507	S5	ZC3H3	3.60E-08	1	3.04E-05	7.22E-07	1	0.000838245
phe.Fasting_rs7690583	S8	NEK1	rs2924508	S8	ZC3H3	3.60E-08	1	3.04E-05	1.01E-06	1	0.00114263
phe.Fasting_rs7690583	S8	NEK1	rs2924511	S7	ZC3H3	3.60E-08	1	3.04E-05	6.12E-07	1	0.000721385
phe.Fasting_rs7690583	S8	NEK1	rs2924512	S7	ZC3H3	4.02E-08	1	3.37E-05	7.64E-07	1	0.000882892
phe.Fasting_rs7690583	S8	NEK1	rs2956376	S8	ZC3H3	3.60E-08	1	3.04E-05	4.13E-07	1	0.000502027
phe.Fasting_rs7690583	S8	NEK1	rs2980270	S7	ZC3H3	3.60E-08	1	3.04E-05	4.13E-07	1	0.000502027
phe.Fasting_rs7690583	S8	NEK1	rs2980272	S7	ZC3H3	4.02E-08	1	3.37E-05	8.01E-07	1	0.000921735
phe.Fasting_rs7690583	S8	NEK1	rs2980275	S5	ZC3H3	3.60E-08	1	3.04E-05	7.22E-07	1	0.000838245
phe.Fasting_rs7690583	S8	NEK1	rs35990401	S7	DIAPH1	8.40E-12	0.000343123	1.39E-08	8.71E-09	0.354487	1.65E-05
phe.Fasting_rs7690583	S8	NEK1	rs366767	S5	ZC3H3	6.34E-08	1	5.08E-05	4.43E-07	1	0.000534886
phe.Fasting_rs7690583	S8	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	3.13E-09	0.127325	6.59E-06
phe.Fasting_rs7690583	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	2.33E-12	9.47E-05	1.00E-08
phe.Fasting_rs7690583	S8	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	1.39E-08	0.566894	2.49E-05
phe.Fasting_rs7690583	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.34E-16	3.40E-08	1.16E-11
phe.Fasting_rs7690583	S8	NEK1	rs77798597	S7	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.12E-07	1	0.000278281
phe.Fasting_rs7690583	S8	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	1.57E-07	1	0.000212577
phe.Fasting_rs7690583	S8	NEK1	rs78736524	S5	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.22E-07	1	0.000289987
phe.Fasting_rs7690583	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	2.39E-09	0.0971596	5.17E-06

phe.Fasting_rs7690583	S8	NEK1	rs79781495	S8	KPNA3	3.50E-16	1.43E-08	1.15E-12	2.12E-07	1	0.000278281
phe.Fasting_rs7690583	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	8.34E-16	3.40E-08	1.16E-11
phe.Fasting_rs7690583	S8	NEK1	rs80332465	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.21E-07	1	0.000289439
phe.Fasting_rs7690583	S8	NEK1	rs80334773	S5	KPNA3	3.75E-16	1.53E-08	1.22E-12	2.21E-07	1	0.000289439
phe.Fasting_rs77444916	S23	LOC642366	rs111576333	S5	TMEM64	3.76E-17	1.53E-09	2.04E-13	6.78E-15	2.76E-07	6.06E-11
phe.Fasting_rs77444916	S23	LOC642366	rs112027720	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs112089881	S8	ZFAND4	7.24E-08	1	5.70E-05	3.02E-16	1.23E-08	1.01E-11
phe.Fasting_rs77444916	S23	LOC642366	rs112091318	S5	TMEM64	1.13E-17	4.62E-10	1.02E-13	8.04E-15	3.27E-07	7.10E-11
phe.Fasting_rs77444916	S23	LOC642366	rs113219478	S7	DIAPH1	5.84E-06	1	0.0028563	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs113568654	S12	SPTLC1	1.61E-07	1	0.000117036	1.46E-13	5.95E-06	8.32E-10
phe.Fasting_rs77444916	S23	LOC642366	rs114334325	S7	AP3M2	1.30E-11	0.000530003	2.02E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs77444916	S23	LOC642366	rs114394395	S7	AP3M2	1.35E-11	0.00055115	2.09E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs77444916	S23	LOC642366	rs114565620	S8	RCL1	2.52E-17	1.03E-09	1.56E-13	5.48E-15	2.23E-07	5.01E-11
phe.Fasting_rs77444916	S23	LOC642366	rs115083290	S19	NA	1.64E-06	1	0.00094188	8.45E-16	3.44E-08	1.16E-11
phe.Fasting_rs77444916	S23	LOC642366	rs115305957	S23	NA	1.48E-17	6.03E-10	1.17E-13	3.16E-15	1.29E-07	3.03E-11
phe.Fasting_rs77444916	S23	LOC642366	rs115752779	S19	NA	1.64E-06	1	0.00094188	8.45E-16	3.44E-08	1.16E-11
phe.Fasting_rs77444916	S23	LOC642366	rs115787552	S5	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.09E-14	1.26E-06	2.29E-10
phe.Fasting_rs77444916	S23	LOC642366	rs115888477	S8	NA	1.85E-15	7.54E-08	5.27E-12	5.33E-15	2.17E-07	4.88E-11
phe.Fasting_rs77444916	S23	LOC642366	rs116011837	S9	BRD2	2.31E-17	9.43E-10	1.46E-13	2.99E-13	1.22E-05	1.64E-09
phe.Fasting_rs77444916	S23	LOC642366	rs116079984	S8	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.49E-14	1.42E-06	2.53E-10
phe.Fasting_rs77444916	S23	LOC642366	rs116120727	S9	BRD2	2.31E-17	9.43E-10	1.46E-13	2.99E-13	1.22E-05	1.64E-09
phe.Fasting_rs77444916	S23	LOC642366	rs116279995	S20	"PCDHGA4,PI	9.01E-07	1	0.000551882	5.24E-14	2.13E-06	3.61E-10
phe.Fasting_rs77444916	S23	LOC642366	rs116406581	S2	NA	5.35E-11	0.00218631	7.23E-08	3.94E-15	1.60E-07	3.70E-11
phe.Fasting_rs77444916	S23	LOC642366	rs116548615	S8	TMEM45B	1.98E-17	8.10E-10	1.42E-13	6.84E-09	0.278458	1.32E-05
phe.Fasting_rs77444916	S23	LOC642366	rs116696844	S3	AP3M2	1.83E-11	0.000748556	2.76E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs77444916	S23	LOC642366	rs11989304	S4	TMEM64	3.76E-17	1.53E-09	2.04E-13	6.48E-15	2.64E-07	5.85E-11
phe.Fasting_rs77444916	S23	LOC642366	rs13353823	S8	MAST4	3.13E-07	1	0.00021558	6.70E-09	0.272905	1.30E-05
phe.Fasting_rs77444916	S23	LOC642366	rs138090701	S5	HDAC3	9.19E-07	1	0.000561939	1.17E-13	4.75E-06	7.06E-10
phe.Fasting_rs77444916	S23	LOC642366	rs138136869	S7	DIAPH1	1.45E-06	1	0.000846158	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_rs77444916	S23	LOC642366	rs138457103	S10	DIAPH1	3.55E-06	1	0.00183746	1.24E-13	5.06E-06	7.37E-10
phe.Fasting_rs77444916	S23	LOC642366	rs138487229	S11	DIAPH1	5.84E-06	1	0.0028563	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs138738950	S8	"PCDHGB2,PI	5.84E-06	1	2.86E-03	1.32E-13	5.37E-06	7.69E-10
phe.Fasting_rs77444916	S23	LOC642366	rs139297927	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs139337303	S8	DIAPH1	5.84E-06	1.00E+00	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs139403963	S8	DIAPH1	1.45E-06	1.00E+00	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_rs77444916	S23	LOC642366	rs139621309	S18	"LOC1005056	5.84E-06	1.00E+00	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs139828110	S8	DIAPH1	1.45E-06	1.00E+00	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_rs77444916	S23	LOC642366	rs140070363	S8	DIAPH1	5.84E-06	1.00E+00	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs140524622	S7	MRPL10	3.60E-07	1.00E+00	2.45E-04	5.76E-15	2.34E-07	5.25E-11
phe.Fasting_rs77444916	S23	LOC642366	rs140644750	S13	DIAPH1	5.84E-06	1	0.0028563	1.30E-13	5.29E-06	7.59E-10

phe.Fasting_rs77444916	S23	LOC642366	rs141022544	S8	DIAPH1	5.84E-06	1.00E+00	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs141525984	S5	DIAPH1	5.84E-06	1.00E+00	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs141692339	S3	"PCDHGA6,PI	1.11E-06	1	0.000664977	7.18E-14	2.92E-06	4.82E-10
phe.Fasting_rs77444916	S23	LOC642366	rs141926074	S8	ATE1	5.64E-18	2.30E-10	7.14E-14	8.39E-14	3.41E-06	5.61E-10
phe.Fasting_rs77444916	S23	LOC642366	rs142480565	S8	DIAPH1	5.84E-06	1.00E+00	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs142718558	S7	"DIAPH1,LOC	5.84E-06	1.00E+00	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs142789100	S8	DIAPH1	1.45E-06	1.00E+00	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_rs77444916	S23	LOC642366	rs142812798	S7	DIAPH1	1.45E-06	1.00E+00	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_rs77444916	S23	LOC642366	rs143377827	S13	"DIAPH1,LOC	1.51E-06	1	8.78E-04	2.83E-14	1.15E-06	2.13E-10
phe.Fasting_rs77444916	S23	LOC642366	rs143691978	S11	DIAPH1	1.45E-06	1.00E+00	8.46E-04	3.80E-14	1.55E-06	2.72E-10
phe.Fasting_rs77444916	S23	LOC642366	rs144081334	S11	DIAPH1	1.45E-06	1.00E+00	8.46E-04	3.80E-14	1.55E-06	2.72E-10
phe.Fasting_rs77444916	S23	LOC642366	rs144613910	S8	DIAPH1	5.84E-06	1.00E+00	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs145027704	S11	DIAPH1	1.45E-06	1	8.46E-04	3.80E-14	1.55E-06	2.72E-10
phe.Fasting_rs77444916	S23	LOC642366	rs146220673	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs146622060	S13	DIAPH1	1.45E-06	1.00E+00	8.46E-04	3.80E-14	1.55E-06	2.72E-10
phe.Fasting_rs77444916	S23	LOC642366	rs146815317	S5	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.09E-14	1.26E-06	2.29E-10
phe.Fasting_rs77444916	S23	LOC642366	rs146878162	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs1470889	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_rs77444916	S23	LOC642366	rs1470890	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_rs77444916	S23	LOC642366	rs147314451	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs147417996	S7	DIAPH1	1.45E-06	1	0.000846158	3.80E-14	1.55E-06	2.72E-10
phe.Fasting_rs77444916	S23	LOC642366	rs147506725	S21	"PCDHGA1,PI	9.01E-07	1	0.000551882	5.24E-14	2.13E-06	3.61E-10
phe.Fasting_rs77444916	S23	LOC642366	rs147646948	S7	"LOC1005056	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs147677041	S8	DIAPH1	1.45E-06	1	0.000846158	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_rs77444916	S23	LOC642366	rs148116628	S7	DIAPH1	5.84E-06	1.00E+00	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs148423011	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs149019627	S8	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_rs77444916	S23	LOC642366	rs149075406	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs149334783	S8	DIAPH1	5.84E-06	1.00E+00	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs149553852	S21	"PCDHGA10,PI	9.01E-07	1.00E+00	5.52E-04	5.24E-14	2.13E-06	3.61E-10
phe.Fasting_rs77444916	S23	LOC642366	rs149716949	S5	DIAPH1	8.44E-07	1	5.20E-04	1.62E-14	6.60E-07	1.36E-10
phe.Fasting_rs77444916	S23	LOC642366	rs149791570	S5	DIAPH1	1.45E-06	1	0.000846158	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_rs77444916	S23	LOC642366	rs150117838	S8	KPNA3	2.72E-16	1.11E-08	9.14E-13	2.88E-14	1.17E-06	2.16E-10
phe.Fasting_rs77444916	S23	LOC642366	rs150452206	S13	"DIAPH1,LOC	5.84E-06	1	0.0028563	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs150675915	S7	DIAPH1	5.84E-06	1	0.0028563	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs150765570	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs150916187	S4	HIST1H2BK	5.42E-07	1	3.53E-04	6.03E-15	2.45E-07	5.47E-11
phe.Fasting_rs77444916	S23	LOC642366	rs150992994	S11	"PCDHGAS,PI	5.86E-06	1	2.86E-03	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_rs77444916	S23	LOC642366	rs151204700	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs77444916	S23	LOC642366	rs151330468	S8	DIAPH1	1.45E-06	1	8.46E-04	3.80E-14	1.55E-06	2.72E-10

phe.Fasting_	rs77444916	S23	LOC642366	rs16894241	S4	HIST1H2BK	9.23E-07	1	5.64E-04	1.00E-14	4.07E-07	8.68E-11
phe.Fasting_	rs77444916	S23	LOC642366	rs16908547	S8	PAG1	2.76E-08	1	2.39E-05	4.30E-13	1.75E-05	2.31E-09
phe.Fasting_	rs77444916	S23	LOC642366	rs17494290	S5	CDH2	3.23E-19	1.32E-11	2.40E-14	2.27E-12	9.24E-05	9.79E-09
phe.Fasting_	rs77444916	S23	LOC642366	rs180772028	S8	"DIAPH1,LOC	5.84E-06	1	0.0028563	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs181224861	S7	DIAPH1	5.84E-06	1	0.0028563	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs181247960	S21	"PCDHGA9,PI	9.01E-07	1	0.000551882	5.24E-14	2.13E-06	3.61E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs181824655	S21	"PCDHGB6,PI	9.01E-07	1	5.52E-04	5.24E-14	2.13E-06	3.61E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs182714699	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs182958142	S8	DIAPH1	3.46E-06	1	1.80E-03	1.26E-14	5.14E-07	1.08E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs182965141	S8	DIAPH1	1.58E-06	1	9.11E-04	8.86E-15	3.61E-07	7.78E-11
phe.Fasting_	rs77444916	S23	LOC642366	rs183597049	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs183980988	S2	NA	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs184233232	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs184509477	S13	"PCDHGB4,PI	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs185069296	S15	"LOC100505(	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs185502834	S8	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs185759881	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs186288044	S21	"PCDHGB4,PI	9.01E-07	1	0.000551882	5.24E-14	2.13E-06	3.61E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs187000011	S11	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs188981295	S5	"RPS27AP10,	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs190559574	S7	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs191544043	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs191766712	S7	DIAPH1	5.84E-06	1	0.0028563	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs192690040	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs192765219	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs192770525	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs2285645	S7	MTMR3	1.76E-07	1	1.27E-04	4.87E-14	1.98E-06	3.37E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs2924507	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_	rs77444916	S23	LOC642366	rs2924508	S8	ZC3H3	3.47E-18	1.42E-10	5.60E-14	3.11E-13	1.27E-05	1.70E-09
phe.Fasting_	rs77444916	S23	LOC642366	rs2924511	S7	ZC3H3	3.47E-18	1.42E-10	5.60E-14	1.97E-13	8.01E-06	1.10E-09
phe.Fasting_	rs77444916	S23	LOC642366	rs2924512	S7	ZC3H3	3.97E-18	1.62E-10	5.99E-14	2.29E-13	9.30E-06	1.26E-09
phe.Fasting_	rs77444916	S23	LOC642366	rs2956376	S8	ZC3H3	3.47E-18	1.42E-10	5.60E-14	1.33E-13	5.43E-06	7.77E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs2980270	S7	ZC3H3	3.47E-18	1.42E-10	5.60E-14	1.33E-13	5.43E-06	7.77E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs2980272	S7	ZC3H3	3.97E-18	1.62E-10	5.99E-14	2.52E-13	1.03E-05	1.39E-09
phe.Fasting_	rs77444916	S23	LOC642366	rs2980275	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_	rs77444916	S23	LOC642366	rs34801978	S3	HOXB2	1.05E-06	1	0.000634489	4.42E-09	0.179891	8.98E-06
phe.Fasting_	rs77444916	S23	LOC642366	rs35990401	S7	DIAPH1	4.98E-06	1	0.00248101	5.10E-14	2.08E-06	3.52E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs366767	S5	ZC3H3	4.74E-18	1.93E-10	6.62E-14	1.49E-13	6.06E-06	8.45E-10
phe.Fasting_	rs77444916	S23	LOC642366	rs4732511	S13	POR	1.38E-18	5.65E-11	3.39E-14	2.18E-06	1	2.23E-03
phe.Fasting_	rs77444916	S23	LOC642366	rs55900860	S7	DIAPH1	1.45E-06	1.00E+00	8.46E-04	3.46E-14	1.41E-06	2.51E-10

phe.Fasting_rs77444916	S23	LOC642366	rs57503635	S3	NA	8.73E-17	3.57E-09	3.79E-13	1.25E-14	5.07E-07	1.07E-10
phe.Fasting_rs77444916	S23	LOC642366	rs60011869	S16	NA	9.65E-07	1.00E+00	5.87E-04	5.08E-15	2.07E-07	4.68E-11
phe.Fasting_rs77444916	S23	LOC642366	rs6964407	S7	POR	4.32E-18	1.76E-10	6.34E-14	2.04E-06	1	0.00210857
phe.Fasting_rs77444916	S23	LOC642366	rs7004597	S8	NA	1.30E-11	0.000530003	2.02E-08	3.39E-15	1.38E-07	3.24E-11
phe.Fasting_rs77444916	S23	LOC642366	rs7256517	S7	CYTH2	1.01E-16	4.11E-09	4.28E-13	8.71E-15	3.55E-07	7.66E-11
phe.Fasting_rs77444916	S23	LOC642366	rs73283603	S7	ZWINT	9.84E-17	4.02E-09	4.21E-13	5.66E-15	2.30E-07	5.16E-11
phe.Fasting_rs77444916	S23	LOC642366	rs73392640	S8	POLR3B	1.50E-16	6.14E-09	5.83E-13	9.36E-12	0.000380943	3.49E-08
phe.Fasting_rs77444916	S23	LOC642366	rs73619637	S8	NA	9.04E-06	1	0.00418654	5.49E-16	2.24E-08	1.16E-11
phe.Fasting_rs77444916	S23	LOC642366	rs73794928	S13	"PCDHGA9,PI	1.41E-06	1	0.000826258	2.53E-14	1.03E-06	1.92E-10
phe.Fasting_rs77444916	S23	LOC642366	rs74627895	S8	TMEM64	1.13E-17	4.62E-10	1.02E-13	3.94E-15	1.60E-07	3.70E-11
phe.Fasting_rs77444916	S23	LOC642366	rs74701059	S24	C17orf102	1.50E-17	6.14E-10	1.18E-13	3.22E-15	1.31E-07	3.09E-11
phe.Fasting_rs77444916	S23	LOC642366	rs74914207	S24	NA	3.46E-12	0.000141389	6.28E-09	1.58E-11	0.000644651	5.68E-08
phe.Fasting_rs77444916	S23	LOC642366	rs75350765	S5	RCL1	2.52E-17	1.03E-09	1.56E-13	5.48E-15	2.23E-07	5.01E-11
phe.Fasting_rs77444916	S23	LOC642366	rs75374128	S5	CNTLN	1.14E-17	4.66E-10	1.02E-13	8.56E-11	0.00348551	2.64E-07
phe.Fasting_rs77444916	S23	LOC642366	rs75758702	S24	NA	5.36E-18	7.19E-10	7.01E-14	1.92E-16	7.80E-09	7.61E-12
phe.Fasting_rs77444916	S23	LOC642366	rs75864203	S8	CNTLN	1.14E-17	4.66E-10	1.02E-13	8.56E-11	0.00348551	2.64E-07
phe.Fasting_rs77444916	S23	LOC642366	rs75949566	S5	TMEM64	3.79E-17	1.55E-09	2.05E-13	9.41E-15	3.83E-07	8.18E-11
phe.Fasting_rs77444916	S23	LOC642366	rs76844308	S8	CNTLN	7.43E-07	1	4.66E-04	2.85E-15	1.16E-07	2.76E-11
phe.Fasting_rs77444916	S23	LOC642366	rs7763107	S8	FARS2	6.68E-17	2.73E-09	3.05E-13	1.29E-15	5.24E-08	1.46E-11
phe.Fasting_rs77444916	S23	LOC642366	rs77798597	S7	KPNA3	2.72E-16	1.11E-08	9.14E-13	2.88E-14	1.17E-06	2.16E-10
phe.Fasting_rs77444916	S23	LOC642366	rs77845645	S21	NA	1.59E-17	6.50E-10	1.22E-13	1.19E-14	4.85E-07	1.02E-10
phe.Fasting_rs77444916	S23	LOC642366	rs78353402	S8	AP3M2	1.30E-11	0.000530003	2.02E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs77444916	S23	LOC642366	rs78516788	S8	SLC38A1	1.33E-17	5.43E-10	1.10E-13	1.01E-14	4.10E-07	8.74E-11
phe.Fasting_rs77444916	S23	LOC642366	rs78697063	S5	MSI2	5.49E-20	2.24E-12	2.23E-14	3.16E-15	1.28E-07	3.03E-11
phe.Fasting_rs77444916	S23	LOC642366	rs78722272	S5	CNTLN	1.14E-17	4.66E-10	1.02E-13	8.46E-11	0.00344297	2.62E-07
phe.Fasting_rs77444916	S23	LOC642366	rs78736524	S5	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.09E-14	1.26E-06	2.29E-10
phe.Fasting_rs77444916	S23	LOC642366	rs78990344	S2	LOC1005063!	3.76E-17	1.53E-09	2.04E-13	6.48E-15	2.64E-07	5.85E-11
phe.Fasting_rs77444916	S23	LOC642366	rs79517926	S15	"DIAPH1,LOC	1.35E-06	1.00E+00	7.94E-04	5.85E-15	2.38E-07	5.33E-11
phe.Fasting_rs77444916	S23	LOC642366	rs79703349	S24	C17orf102	1.50E-17	6.14E-10	1.18E-13	3.66E-15	1.49E-07	3.48E-11
phe.Fasting_rs77444916	S23	LOC642366	rs79781495	S8	KPNA3	2.72E-16	1.11E-08	9.14E-13	2.88E-14	1.17E-06	2.16E-10
phe.Fasting_rs77444916	S23	LOC642366	rs79886603	S15	NA	3.52E-07	1.00E+00	2.40E-04	3.62E-15	1.47E-07	3.45E-11
phe.Fasting_rs77444916	S23	LOC642366	rs80332465	S5	KPNA3	2.95E-16	1.21E-08	9.83E-13	3.02E-14	1.23E-06	2.25E-10
phe.Fasting_rs77444916	S23	LOC642366	rs80334773	S5	KPNA3	2.95E-16	1.21E-08	9.83E-13	3.02E-14	1.23E-06	2.25E-10
phe.Fasting_rs77444916	S23	LOC642366	rs8075478	S8	MYH10	4.86E-07	1	3.20E-04	1.26E-15	5.14E-08	1.43E-11
phe.Fasting_rs77444916	S23	LOC642366	rs9620939	S7	MTMR3	1.86E-07	1	1.33E-04	9.79E-17	3.98E-09	5.51E-12
phe.Fasting_rs77444916	S23	LOC642366	rs9625903	S7	MTMR3	2.09E-07	1	0.000148281	3.64E-17	1.48E-09	3.17E-12
phe.Fasting_rs77523818	S7	SPTLC1	rs114968018	S21	NA	7.91E-14	3.23E-06	1.82E-10	1.22E-06	1	0.00135245
phe.Fasting_rs77523818	S7	SPTLC1	rs115305957	S23	NA	2.18E-06	1.00E+00	1.21E-03	1.25E-11	0.000508253	4.57E-08
phe.Fasting_rs77523818	S7	SPTLC1	rs115787552	S5	KPNA3	8.45E-06	1	3.95E-03	1.44E-15	5.86E-08	1.61E-11
phe.Fasting_rs77523818	S7	SPTLC1	rs116079984	S8	KPNA3	8.45E-06	1	0.00394669	1.78E-15	7.24E-08	1.94E-11

phe.Fasting_rs77523818	S7	SPTLC1	rs12581352	S2	NA	7.63E-18	3.12E-10	8.49E-14	2.07E-13	8.42E-06	1.15E-09
phe.Fasting_rs77523818	S7	SPTLC1	rs140524622	S7	MRPL10	4.51E-07	1	0.000298232	9.18E-09	0.37374	1.73E-05
phe.Fasting_rs77523818	S7	SPTLC1	rs146815317	S5	KPNA3	8.45E-06	1	3.95E-03	1.44E-15	5.86E-08	1.61E-11
phe.Fasting_rs77523818	S7	SPTLC1	rs150117838	S8	KPNA3	8.45E-06	1	3.95E-03	1.39E-15	5.68E-08	1.57E-11
phe.Fasting_rs77523818	S7	SPTLC1	rs4820499	S10	PACSIN2	3.11E-09	0.127003	3.16E-06	1.69E-09	0.0688813	3.80E-06
phe.Fasting_rs77523818	S7	SPTLC1	rs57503635	S3	NA	1.02E-06	1	6.15E-04	3.81E-15	1.55E-07	3.60E-11
phe.Fasting_rs77523818	S7	SPTLC1	rs7256517	S7	CYTH2	1.97E-13	8.05E-06	4.34E-10	8.09E-08	1	0.000117069
phe.Fasting_rs77523818	S7	SPTLC1	rs73392640	S8	POLR3B	3.49E-07	1	2.38E-04	2.52E-09	0.102571	5.42E-06
phe.Fasting_rs77523818	S7	SPTLC1	rs73619637	S8	NA	6.45E-17	2.63E-09	2.97E-13	1.16E-08	0.47072	2.11E-05
phe.Fasting_rs77523818	S7	SPTLC1	rs74701059	S24	C17orf102	2.09E-06	1	1.17E-03	1.43E-11	0.000580785	5.16E-08
phe.Fasting_rs77523818	S7	SPTLC1	rs74914207	S24	NA	3.96E-06	1	2.03E-03	5.67E-09	0.230611	1.11E-05
phe.Fasting_rs77523818	S7	SPTLC1	rs7511534	S12	PACSIN2	2.43E-09	9.94E-02	2.51E-06	2.13E-09	0.0866869	4.68E-06
phe.Fasting_rs77523818	S7	SPTLC1	rs77798597	S7	KPNA3	8.45E-06	1.00E+00	3.95E-03	1.39E-15	5.68E-08	1.57E-11
phe.Fasting_rs77523818	S7	SPTLC1	rs78736524	S5	KPNA3	8.45E-06	1.00E+00	3.95E-03	1.44E-15	5.86E-08	1.61E-11
phe.Fasting_rs77523818	S7	SPTLC1	rs79703349	S24	C17orf102	2.09E-06	1.00E+00	1.17E-03	1.80E-11	0.000733527	6.43E-08
phe.Fasting_rs77523818	S7	SPTLC1	rs79781495	S8	KPNA3	8.45E-06	1.00E+00	3.95E-03	1.39E-15	5.68E-08	1.57E-11
phe.Fasting_rs77523818	S7	SPTLC1	rs80332465	S5	KPNA3	1.20E-05	1.00E+00	5.36E-03	1.50E-15	6.12E-08	1.67E-11
phe.Fasting_rs77523818	S7	SPTLC1	rs80334773	S5	KPNA3	1.20E-05	1	5.36E-03	1.50E-15	6.12E-08	1.67E-11
phe.Fasting_rs7763107	S8	FARS2	rs112089881	S8	ZFAND4	5.95E-08	1	4.79E-05	3.16E-10	0.0128564	8.49E-07
phe.Fasting_rs7763107	S8	FARS2	rs115787552	S5	KPNA3	3.58E-14	1.46E-06	8.65E-11	1.73E-07	1	0.000233381
phe.Fasting_rs7763107	S8	FARS2	rs115888477	S8	NA	1.57E-12	6.41E-05	3.05E-09	3.04E-08	1	4.93E-05
phe.Fasting_rs7763107	S8	FARS2	rs116011837	S9	BRD2	1.98E-06	1.00E+00	1.11E-03	1.02E-06	1	0.00115583
phe.Fasting_rs7763107	S8	FARS2	rs116079984	S8	KPNA3	3.58E-14	1.46E-06	8.65E-11	2.02E-07	1	0.00026756
phe.Fasting_rs7763107	S8	FARS2	rs116120727	S9	BRD2	1.98E-06	1.00E+00	1.11E-03	1.02E-06	1	1.16E-03
phe.Fasting_rs7763107	S8	FARS2	rs146815317	S5	KPNA3	3.58E-14	1.46E-06	8.65E-11	1.73E-07	1	0.000233381
phe.Fasting_rs7763107	S8	FARS2	rs150117838	S8	KPNA3	3.58E-14	1.46E-06	8.65E-11	1.60E-07	1	0.000216451
phe.Fasting_rs7763107	S8	FARS2	rs57503635	S3	NA	2.46E-16	1.00E-08	8.33E-13	3.53E-07	1	0.000438606
phe.Fasting_rs7763107	S8	FARS2	rs60011869	S16	NA	8.91E-06	1	0.00413754	5.08E-08	1	7.78E-05
phe.Fasting_rs7763107	S8	FARS2	rs77798597	S7	KPNA3	3.58E-14	1.46E-06	8.65E-11	1.60E-07	1	0.000216451
phe.Fasting_rs7763107	S8	FARS2	rs77845645	S21	NA	6.51E-17	2.66E-09	2.99E-13	1.10E-09	0.0446403	2.59E-06
phe.Fasting_rs7763107	S8	FARS2	rs78516788	S8	SLC38A1	6.43E-17	2.63E-09	2.96E-13	7.99E-06	1	6.77E-03
phe.Fasting_rs7763107	S8	FARS2	rs78736524	S5	KPNA3	3.58E-14	1.46E-06	8.65E-11	1.73E-07	1	2.33E-04
phe.Fasting_rs7763107	S8	FARS2	rs79781495	S8	KPNA3	3.58E-14	1.46E-06	8.65E-11	1.60E-07	1	0.000216451
phe.Fasting_rs7763107	S8	FARS2	rs80332465	S5	KPNA3	3.80E-14	1.55E-06	9.16E-11	1.77E-07	1	0.000238265
phe.Fasting_rs7763107	S8	FARS2	rs80334773	S5	KPNA3	3.80E-14	1.55E-06	9.16E-11	1.77E-07	1	0.000238265
phe.Fasting_rs7763107	S8	FARS2	rs8075478	S8	MYH10	7.85E-17	3.20E-09	3.48E-13	1.53E-06	1	0.00164028
phe.Fasting_rs77798597	S7	KPNA3	rs140524622	S7	MRPL10	3.78E-08	1	3.18E-05	1.50E-16	6.10E-09	6.88E-12
phe.Fasting_rs77798597	S7	KPNA3	rs57503635	S3	NA	1.29E-15	5.25E-08	3.74E-12	4.13E-15	1.68E-07	3.85E-11
phe.Fasting_rs77798597	S7	KPNA3	rs7256517	S7	CYTH2	1.78E-05	1	0.00753655	1.34E-06	1	0.00147054
phe.Fasting_rs77798597	S7	KPNA3	rs75506779	S5	TMCO3	2.52E-06	1	0.00136748	2.40E-15	9.76E-08	2.35E-11



phe.Fasting_rs77845645	S21	NA	rs111576333	S5	TMEM64	3.54E-07	1	0.000241699	2.51E-10	0.0102075	6.91E-07
phe.Fasting_rs77845645	S21	NA	rs112091318	S5	TMEM64	1.07E-07	1	8.09E-05	5.63E-20	2.29E-12	9.17E-14
phe.Fasting_rs77845645	S21	NA	rs112348319	S8	SPTLC1	9.64E-18	3.94E-10	9.45E-14	2.28E-07	1	2.97E-04
phe.Fasting_rs77845645	S21	NA	rs112608164	S8	SPTLC1	9.64E-18	3.94E-10	9.45E-14	2.28E-07	1	0.00029712
phe.Fasting_rs77845645	S21	NA	rs113568654	S12	SPTLC1	8.06E-18	3.29E-10	8.62E-14	1.56E-06	1	0.00166374
phe.Fasting_rs77845645	S21	NA	rs114334325	S7	AP3M2	2.01E-12	8.21E-05	3.80E-09	8.48E-14	3.45E-06	5.67E-10
phe.Fasting_rs77845645	S21	NA	rs114394395	S7	AP3M2	2.12E-12	8.66E-05	3.98E-09	8.48E-14	3.45E-06	5.67E-10
phe.Fasting_rs77845645	S21	NA	rs114565620	S8	RCL1	8.97E-18	3.66E-10	9.19E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs77845645	S21	NA	rs115083290	S19	NA	5.37E-17	2.19E-09	2.62E-13	2.45E-07	1	0.000316101
phe.Fasting_rs77845645	S21	NA	rs115305957	S23	NA	1.41E-17	5.77E-10	1.14E-13	2.80E-09	0.113911	5.96E-06
phe.Fasting_rs77845645	S21	NA	rs115554530	S8	ASNS	9.50E-17	3.88E-09	4.08E-13	5.13E-09	0.209016	1.01E-05
phe.Fasting_rs77845645	S21	NA	rs115752779	S19	NA	5.37E-17	2.19E-09	2.62E-13	2.45E-07	1	0.000316101
phe.Fasting_rs77845645	S21	NA	rs115787552	S5	KPNA3	3.10E-16	1.26E-08	1.03E-12	3.94E-06	1	0.00371478
phe.Fasting_rs77845645	S21	NA	rs116079984	S8	KPNA3	3.10E-16	1.26E-08	1.03E-12	4.95E-06	1	0.00453036
phe.Fasting_rs77845645	S21	NA	rs116406581	S2	NA	7.82E-12	0.000319355	1.31E-08	4.52E-14	1.84E-06	3.14E-10
phe.Fasting_rs77845645	S21	NA	rs116696844	S3	AP3M2	2.71E-12	0.00011073	5.01E-09	8.48E-14	3.45E-06	5.67E-10
phe.Fasting_rs77845645	S21	NA	rs11989304	S4	TMEM64	3.54E-07	1	0.000241699	2.47E-10	0.0100727	6.82E-07
phe.Fasting_rs77845645	S21	NA	rs140524622	S7	MRPL10	5.11E-08	1.00E+00	4.17E-05	1.87E-06	1	0.00195086
phe.Fasting_rs77845645	S21	NA	rs141926074	S8	ATE1	5.46E-18	2.23E-10	7.07E-14	2.36E-11	0.000959051	8.19E-08
phe.Fasting_rs77845645	S21	NA	rs146815317	S5	KPNA3	3.10E-16	1.26E-08	1.03E-12	3.94E-06	1	0.00371478
phe.Fasting_rs77845645	S21	NA	rs150117838	S8	KPNA3	3.10E-16	1.26E-08	1.03E-12	3.90E-06	1	0.00368301
phe.Fasting_rs77845645	S21	NA	rs34801978	S3	HOXB2	1.25E-07	1	9.34E-05	5.11E-10	0.0208133	1.33E-06
phe.Fasting_rs77845645	S21	NA	rs59310399	S8	FLI1	2.56E-08	1	2.23E-05	1.38E-09	0.056147	3.15E-06
phe.Fasting_rs77845645	S21	NA	rs7004597	S8	NA	2.01E-12	8.21E-05	3.80E-09	4.28E-14	1.74E-06	2.98E-10
phe.Fasting_rs77845645	S21	NA	rs7141392	S7	COQ6	3.59E-06	1	1.85E-03	9.56E-06	1	0.00787225
phe.Fasting_rs77845645	S21	NA	rs7256517	S7	CYTH2	3.74E-07	1	2.54E-04	6.72E-07	1	0.000786558
phe.Fasting_rs77845645	S21	NA	rs73283603	S7	ZWINT	1.27E-16	5.17E-09	5.14E-13	9.62E-08	1	0.000136294
phe.Fasting_rs77845645	S21	NA	rs73392640	S8	POLR3B	1.43E-16	5.85E-09	5.66E-13	3.33E-12	0.000135717	1.41E-08
phe.Fasting_rs77845645	S21	NA	rs73619637	S8	NA	2.17E-10	0.00886193	2.67E-07	6.28E-17	2.56E-09	4.32E-12
phe.Fasting_rs77845645	S21	NA	rs74627895	S8	TMEM64	1.07E-07	1	8.09E-05	1.97E-20	8.03E-13	3.65E-14
phe.Fasting_rs77845645	S21	NA	rs74701059	S24	C17orf102	1.39E-17	5.69E-10	1.13E-13	3.45E-09	0.140473	7.20E-06
phe.Fasting_rs77845645	S21	NA	rs74847685	S8	FLI1	1.20E-08	4.90E-01	1.10E-05	4.69E-09	0.190872	9.38E-06
phe.Fasting_rs77845645	S21	NA	rs74914207	S24	NA	1.55E-17	6.34E-10	1.20E-13	4.08E-11	0.00165898	1.34E-07
phe.Fasting_rs77845645	S21	NA	rs75350765	S5	RCL1	8.97E-18	3.66E-10	9.19E-14	9.34E-16	3.80E-08	1.16E-11
phe.Fasting_rs77845645	S21	NA	rs75949566	S5	TMEM64	3.94E-07	1.00E+00	2.65E-04	3.29E-10	0.0133898	8.79E-07
phe.Fasting_rs77845645	S21	NA	rs76542405	S5	SPTLC1	9.64E-18	3.94E-10	9.45E-14	2.28E-07	1	0.00029712
phe.Fasting_rs77845645	S21	NA	rs77523818	S7	SPTLC1	9.64E-18	3.94E-10	9.45E-14	2.28E-07	1	0.00029712
phe.Fasting_rs77845645	S21	NA	rs77798597	S7	KPNA3	3.10E-16	1.26E-08	1.03E-12	3.90E-06	1	0.00368301
phe.Fasting_rs77845645	S21	NA	rs78353402	S8	AP3M2	2.01E-12	8.21E-05	3.80E-09	8.48E-14	3.45E-06	5.67E-10
phe.Fasting_rs77845645	S21	NA	rs78736524	S5	KPNA3	3.10E-16	1.26E-08	1.03E-12	3.94E-06	1	0.00371478

phe.Fasting_rs77845645	S21	NA	rs78990344	S2	LOC1005063	3.54E-07	1	2.42E-04	2.47E-10	0.0100727	6.82E-07
phe.Fasting_rs77845645	S21	NA	rs79703349	S24	C17orf102	1.39E-17	5.69E-10	1.13E-13	4.62E-09	0.188135	9.26E-06
phe.Fasting_rs77845645	S21	NA	rs79781495	S8	KPNA3	3.10E-16	1.26E-08	1.03E-12	3.90E-06	1	0.00368301
phe.Fasting_rs77845645	S21	NA	rs80332465	S5	KPNA3	3.34E-16	1.36E-08	1.11E-12	4.03E-06	1	0.00379162
phe.Fasting_rs77845645	S21	NA	rs80334773	S5	KPNA3	3.34E-16	1.36E-08	1.11E-12	4.03E-06	1	0.00379162
phe.Fasting_rs77845645	S21	NA	rs8075478	S8	MYH10	3.61E-08	1.00E+00	3.05E-05	3.15E-07	1	0.000395576
phe.Fasting_rs7825326	S7	UBE2W	rs139070959	S8	RPN2	1.18E-06	1.00E+00	7.01E-04	2.28E-07	1	0.0002973
phe.Fasting_rs7825326	S7	UBE2W	rs145412529	S8	"RBL1,RPS3A	6.02E-07	1.00E+00	3.88E-04	1.61E-06	1	0.00171532
phe.Fasting_rs7831254	S8	UBE2W	rs139070959	S8	RPN2	1.05E-06	1.00E+00	6.31E-04	1.95E-07	1	0.000258319
phe.Fasting_rs7831254	S8	UBE2W	rs145412529	S8	"RBL1,RPS3A	5.32E-07	1.00E+00	3.47E-04	1.37E-06	1	0.00149555
phe.Fasting_rs78353402	S8	AP3M2	rs111576333	S5	TMEM64	1.38E-15	5.65E-08	3.99E-12	6.72E-08	1	0.000100215
phe.Fasting_rs78353402	S8	AP3M2	rs112091318	S5	TMEM64	3.67E-16	1.50E-08	1.20E-12	3.09E-08	1	4.98E-05
phe.Fasting_rs78353402	S8	AP3M2	rs11989304	S4	TMEM64	1.38E-15	5.65E-08	3.99E-12	1.33E-06	1	0.00145692
phe.Fasting_rs78353402	S8	AP3M2	rs141926074	S8	ATE1	5.12E-17	2.09E-09	2.51E-13	3.83E-08	1	6.03E-05
phe.Fasting_rs78353402	S8	AP3M2	rs1470889	S5	ZC3H3	4.41E-09	1.80E-01	4.45E-06	4.45E-07	1	0.000537526
phe.Fasting_rs78353402	S8	AP3M2	rs1470890	S5	ZC3H3	4.41E-09	1.80E-01	4.35E-06	4.45E-07	1	0.000537526
phe.Fasting_rs78353402	S8	AP3M2	rs2924507	S5	ZC3H3	4.41E-09	1.80E-01	4.35E-06	4.45E-07	1	0.000537526
phe.Fasting_rs78353402	S8	AP3M2	rs2924508	S8	ZC3H3	4.41E-09	1.80E-01	4.35E-06	1.22E-08	0.495784	2.22E-05
phe.Fasting_rs78353402	S8	AP3M2	rs2924511	S7	ZC3H3	4.41E-09	1.80E-01	4.35E-06	3.96E-07	1	0.000484099
phe.Fasting_rs78353402	S8	AP3M2	rs2924512	S7	ZC3H3	4.92E-09	0.201	4.82E-06	5.18E-07	1	0.000616896
phe.Fasting_rs78353402	S8	AP3M2	rs2956376	S8	ZC3H3	4.41E-09	1.80E-01	4.35E-06	2.73E-07	1	0.000348801
phe.Fasting_rs78353402	S8	AP3M2	rs2980270	S7	ZC3H3	4.41E-09	1.80E-01	4.35E-06	2.73E-07	1	0.000348801
phe.Fasting_rs78353402	S8	AP3M2	rs2980272	S7	ZC3H3	4.92E-09	2.01E-01	4.82E-06	5.49E-07	1	0.000652099
phe.Fasting_rs78353402	S8	AP3M2	rs2980275	S5	ZC3H3	4.41E-09	1.80E-01	4.35E-06	4.45E-07	1	0.000537526
phe.Fasting_rs78353402	S8	AP3M2	rs366767	S5	ZC3H3	8.73E-09	3.56E-01	8.25E-06	3.06E-07	1	0.000385546
phe.Fasting_rs78353402	S8	AP3M2	rs73283603	S7	ZWINT	9.00E-13	3.68E-05	1.86E-09	2.55E-06	1	0.00253862
phe.Fasting_rs78353402	S8	AP3M2	rs73392640	S8	POLR3B	9.66E-15	3.94E-07	2.46E-11	5.32E-08	1	8.11E-05
phe.Fasting_rs78353402	S8	AP3M2	rs73619637	S8	NA	3.31E-14	1.35E-06	8.02E-11	5.78E-11	0.0023523	1.85E-07
phe.Fasting_rs78353402	S8	AP3M2	rs74627895	S8	TMEM64	3.67E-16	1.50E-08	1.20E-12	2.74E-07	1	0.000350097
phe.Fasting_rs78353402	S8	AP3M2	rs75949566	S5	TMEM64	1.70E-15	6.95E-08	4.87E-12	1.63E-06	1	0.00172348
phe.Fasting_rs78353402	S8	AP3M2	rs78990344	S2	LOC1005063	1.38E-15	5.65E-08	3.99E-12	1.33E-06	1	0.00145692
phe.Fasting_rs78353402	S8	AP3M2	rs8075478	S8	MYH10	3.01E-10	1.23E-02	3.60E-07	1.26E-06	1	0.00138145
phe.Fasting_rs7835483	S5	UBE2W	rs139070959	S8	RPN2	1.22E-06	1	7.25E-04	2.19E-07	1	0.000286822
phe.Fasting_rs7835483	S5	UBE2W	rs145412529	S8	"RBL1,RPS3A	6.24E-07	1.00E+00	4.00E-04	1.54E-06	1	0.00164627
phe.Fasting_rs7845181	S21	NA	rs139070959	S8	RPN2	1.89E-18	7.73E-11	3.97E-14	1.39E-08	0.56709	2.50E-05
phe.Fasting_rs7845181	S21	NA	rs145412529	S8	"RBL1,RPS3A	1.07E-18	4.37E-11	3.03E-14	1.68E-08	0.68546	2.94E-05
phe.Fasting_rs7845546	S5	UBE2W	rs139070959	S8	RPN2	1.18E-06	1	7.01E-04	2.19E-07	1	0.000286822
phe.Fasting_rs7845546	S5	UBE2W	rs145412529	S8	"RBL1,RPS3A	6.02E-07	1.00E+00	3.88E-04	1.54E-06	1	0.00164627
phe.Fasting_rs78516788	S8	SLC38A1	rs115305957	S23	NA	1.10E-06	1.00E+00	6.60E-04	7.17E-07	1	0.00083355
phe.Fasting_rs78516788	S8	SLC38A1	rs140524622	S7	MRPL10	1.58E-06	1.00E+00	9.10E-04	6.32E-16	2.57E-08	1.16E-11

phe.Fasting_rs78516788	S8	SLC38A1	rs73619637	S8	NA	3.64E-17	1.49E-09	1.98E-13	2.65E-06	1	0.00262851
phe.Fasting_rs78516788	S8	SLC38A1	rs74701059	S24	C17orf102	1.11E-06	1.00E+00	6.63E-04	7.51E-07	1	0.000869088
phe.Fasting_rs78516788	S8	SLC38A1	rs79703349	S24	C17orf102	1.11E-06	1.00E+00	6.63E-04	8.68E-07	1	0.000991467
phe.Fasting_rs78516788	S8	SLC38A1	rs8075478	S8	MYH10	1.24E-17	5.05E-10	1.06E-13	6.83E-06	1	0.00594363
phe.Fasting_rs78697063	S5	MSI2	rs57503635	S3	NA	2.25E-19	9.20E-12	2.40E-14	6.98E-07	1	0.00081333
phe.Fasting_rs78697063	S5	MSI2	rs73619637	S8	NA	2.04E-19	8.34E-12	2.40E-14	4.97E-06	1	0.0045487
phe.Fasting_rs78703708	S7	FAF2	rs114334325	S7	AP3M2	8.36E-12	3.42E-04	1.39E-08	1.76E-08	0.717274	3.07E-05
phe.Fasting_rs78703708	S7	FAF2	rs114394395	S7	AP3M2	8.86E-12	3.62E-04	1.47E-08	1.76E-08	0.717274	3.07E-05
phe.Fasting_rs78703708	S7	FAF2	rs115888477	S8	NA	1.90E-08	7.74E-01	1.68E-05	5.90E-11	0.00240238	1.88E-07
phe.Fasting_rs78703708	S7	FAF2	rs116011837	S9	BRD2	9.79E-07	1.00E+00	5.95E-04	3.35E-12	0.000136521	1.41E-08
phe.Fasting_rs78703708	S7	FAF2	rs116120727	S9	BRD2	9.79E-07	1.00E+00	5.95E-04	3.35E-12	0.000136521	1.41E-08
phe.Fasting_rs78703708	S7	FAF2	rs116406581	S2	NA	3.62E-11	1.48E-03	5.04E-08	7.99E-06	1	0.00677487
phe.Fasting_rs78703708	S7	FAF2	rs116696844	S3	AP3M2	1.19E-11	4.85E-04	1.86E-08	1.76E-08	0.717274	3.07E-05
phe.Fasting_rs78703708	S7	FAF2	rs141926074	S8	ATE1	1.91E-08	7.81E-01	1.69E-05	2.28E-06	1	0.00232015
phe.Fasting_rs78703708	S7	FAF2	rs34801978	S3	HOXB2	7.68E-06	1.00E+00	3.64E-03	1.06E-06	1	1.19E-03
phe.Fasting_rs78703708	S7	FAF2	rs7004597	S8	NA	8.36E-12	3.42E-04	1.39E-08	9.35E-09	0.380407	1.76E-05
phe.Fasting_rs78703708	S7	FAF2	rs7256517	S7	CYTH2	1.89E-05	1	0.00791997	2.95E-07	1	0.000373655
phe.Fasting_rs78703708	S7	FAF2	rs73392640	S8	POLR3B	9.03E-11	0.003687	1.18E-07	3.66E-09	0.149081	7.58E-06
phe.Fasting_rs78703708	S7	FAF2	rs75758702	S24	NA	5.82E-07	1	3.76E-04	4.84E-06	1	0.00444835
phe.Fasting_rs78703708	S7	FAF2	rs78353402	S8	AP3M2	8.36E-12	0.000341574	1.39E-08	1.76E-08	0.717274	3.07E-05
phe.Fasting_rs78722272	S5	CNTLN	rs115083290	S19	NA	3.88E-09	0.158556	3.87E-06	6.13E-17	2.49E-09	4.22E-12
phe.Fasting_rs78722272	S5	CNTLN	rs115752779	S19	NA	3.88E-09	0.158556	3.87E-06	6.13E-17	2.49E-09	4.22E-12
phe.Fasting_rs78722272	S5	CNTLN	rs139070959	S8	RPN2	1.05E-17	4.28E-10	9.93E-14	3.49E-12	0.000142251	1.47E-08
phe.Fasting_rs78722272	S5	CNTLN	rs145412529	S8	"RBL1,RPS3A	5.93E-18	2.42E-10	7.36E-14	4.12E-10	0.0167508	1.08E-06
phe.Fasting_rs78722272	S5	CNTLN	rs57503635	S3	NA	1.70E-06	1	0.000972728	8.65E-16	3.52E-08	1.16E-11
phe.Fasting_rs78722272	S5	CNTLN	rs78516788	S8	SLC38A1	7.72E-18	3.15E-10	8.50E-14	3.32E-07	1	0.000414511
phe.Fasting_rs78736524	S5	KPNA3	rs140524622	S7	MRPL10	3.78E-08	1	3.18E-05	1.56E-16	6.34E-09	6.88E-12
phe.Fasting_rs78736524	S5	KPNA3	rs57503635	S3	NA	1.29E-15	5.25E-08	3.74E-12	4.33E-15	1.76E-07	4.03E-11
phe.Fasting_rs78736524	S5	KPNA3	rs7256517	S7	CYTH2	1.78E-05	1	7.54E-03	1.17E-06	1	0.00129677
phe.Fasting_rs78736524	S5	KPNA3	rs75506779	S5	TMCO3	2.52E-06	1	1.37E-03	2.54E-15	1.03E-07	2.48E-11
phe.Fasting_rs78990344	S2	LOC1005063	rs112348319	S8	SPTLC1	1.78E-07	1	1.28E-04	3.54E-06	1	0.00338388
phe.Fasting_rs78990344	S2	LOC1005063	rs112608164	S8	SPTLC1	1.78E-07	1	1.28E-04	3.54E-06	1	0.00338388
phe.Fasting_rs78990344	S2	LOC1005063	rs115787552	S5	KPNA3	1.88E-06	1	1.06E-03	3.73E-15	1.52E-07	3.54E-11
phe.Fasting_rs78990344	S2	LOC1005063	rs115888477	S8	NA	9.13E-06	1	4.22E-03	5.84E-16	2.38E-08	1.16E-11
phe.Fasting_rs78990344	S2	LOC1005063	rs116079984	S8	KPNA3	1.88E-06	1.00E+00	1.06E-03	4.41E-15	1.80E-07	4.10E-11
phe.Fasting_rs78990344	S2	LOC1005063	rs146815317	S5	KPNA3	1.88E-06	1	0.00106213	3.73E-15	1.52E-07	3.54E-11
phe.Fasting_rs78990344	S2	LOC1005063	rs150117838	S8	KPNA3	1.88E-06	1.00E+00	1.06E-03	3.54E-15	1.44E-07	3.37E-11
phe.Fasting_rs78990344	S2	LOC1005063	rs73283603	S7	ZWINT	3.14E-16	1.28E-08	1.04E-12	6.26E-09	0.254707	1.22E-05
phe.Fasting_rs78990344	S2	LOC1005063	rs73392640	S8	POLR3B	1.29E-10	0.00525587	1.64E-07	9.02E-11	0.00367219	2.78E-07
phe.Fasting_rs78990344	S2	LOC1005063	rs75758702	S24	NA	9.04E-08	1	6.96E-05	3.15E-06	1	0.00305065

phe.Fasting_rs78990344	S2	LOC1005063:rs76542405	S5	SPTLC1	1.78E-07	1	1.28E-04	3.54E-06	1	0.00338388	
phe.Fasting_rs78990344	S2	LOC1005063:rs77523818	S7	SPTLC1	1.78E-07	1.00E+00	1.28E-04	3.54E-06	1	0.00338388	
phe.Fasting_rs78990344	S2	LOC1005063:rs77798597	S7	KPNA3	1.88E-06	1.00E+00	1.06E-03	3.54E-15	1.44E-07	3.37E-11	
phe.Fasting_rs78990344	S2	LOC1005063:rs78736524	S5	KPNA3	1.88E-06	1	1.06E-03	3.73E-15	1.52E-07	3.54E-11	
phe.Fasting_rs78990344	S2	LOC1005063:rs79781495	S8	KPNA3	1.88E-06	1	0.00106213	3.54E-15	1.44E-07	3.37E-11	
phe.Fasting_rs78990344	S2	LOC1005063:rs80332465	S5	KPNA3	1.90E-06	1	0.00107061	3.82E-15	1.55E-07	3.60E-11	
phe.Fasting_rs78990344	S2	LOC1005063:rs80334773	S5	KPNA3	1.90E-06	1	0.00107061	3.82E-15	1.55E-07	3.60E-11	
phe.Fasting_rs78990344	S2	LOC1005063:rs8075478	S8	MYH10	1.56E-07	1	0.00011375	1.07E-06	1	1.20E-03	
phe.Fasting_rs79200698	S8	NA	rs111576333	S5	TMEM64	1.91E-17	7.80E-10	1.38E-13	7.14E-06	1	0.00616493
phe.Fasting_rs79200698	S8	NA	rs11989304	S4	TMEM64	1.91E-17	7.80E-10	1.38E-13	6.95E-06	1	0.00602886
phe.Fasting_rs79200698	S8	NA	rs73392640	S8	POLR3B	1.08E-11	0.000440105	1.71E-08	5.27E-06	1	0.00478458
phe.Fasting_rs79200698	S8	NA	rs75949566	S5	TMEM64	1.98E-17	8.10E-10	1.42E-13	8.82E-06	1	0.00736536
phe.Fasting_rs79200698	S8	NA	rs78990344	S2	LOC1005063:	1.91E-17	7.80E-10	1.38E-13	6.95E-06	1	0.00602886
phe.Fasting_rs79200698	S8	NA	rs842453	S11	ESYT2	1.88E-12	7.68E-05	3.57E-09	6.42E-07	1	0.000753508
phe.Fasting_rs79389383	S8	PHC3	rs111576333	S5	TMEM64	2.10E-08	0.858665	1.85E-05	1.86E-10	0.00759018	5.33E-07
phe.Fasting_rs79389383	S8	PHC3	rs112091318	S5	TMEM64	6.37E-09	0.260193	6.15E-06	2.78E-10	0.0113034	7.60E-07
phe.Fasting_rs79389383	S8	PHC3	rs112348319	S8	SPTLC1	1.98E-05	1	0.00828284	7.96E-10	0.0323902	1.95E-06
phe.Fasting_rs79389383	S8	PHC3	rs112608164	S8	SPTLC1	1.98E-05	1	0.00828284	7.96E-10	0.0323902	1.95E-06
phe.Fasting_rs79389383	S8	PHC3	rs113568654	S12	SPTLC1	1.90E-05	1	7.97E-03	1.05E-08	0.426793	1.93E-05
phe.Fasting_rs79389383	S8	PHC3	rs114565620	S8	RCL1	2.86E-19	1.17E-11	2.40E-14	4.04E-07	1	0.000492337
phe.Fasting_rs79389383	S8	PHC3	rs115083290	S19	NA	8.98E-08	1	6.92E-05	3.42E-09	0.139166	7.15E-06
phe.Fasting_rs79389383	S8	PHC3	rs115752779	S19	NA	8.98E-08	1	6.92E-05	3.42E-09	0.139166	7.15E-06
phe.Fasting_rs79389383	S8	PHC3	rs115888477	S8	NA	1.37E-06	1	8.04E-04	8.02E-11	0.00326649	2.50E-07
phe.Fasting_rs79389383	S8	PHC3	rs116011837	S9	BRD2	2.77E-13	1.13E-05	5.95E-10	2.10E-11	0.000853749	7.39E-08
phe.Fasting_rs79389383	S8	PHC3	rs116120727	S9	BRD2	2.77E-13	1.13E-05	5.95E-10	2.10E-11	0.000853749	7.39E-08
phe.Fasting_rs79389383	S8	PHC3	rs116548615	S8	TMEM45B	5.34E-19	2.18E-11	2.49E-14	6.36E-10	0.0259048	1.60E-06
phe.Fasting_rs79389383	S8	PHC3	rs11989304	S4	TMEM64	2.10E-08	0.858665	1.85E-05	1.86E-10	0.00758489	5.33E-07
phe.Fasting_rs79389383	S8	PHC3	rs140524622	S7	MRPL10	2.32E-08	9.49E-01	2.03E-05	2.15E-06	1	0.00220681
phe.Fasting_rs79389383	S8	PHC3	rs141926074	S8	ATE1	1.26E-19	5.15E-12	2.23E-14	1.36E-11	0.00055511	4.95E-08
phe.Fasting_rs79389383	S8	PHC3	rs73392640	S8	POLR3B	6.73E-08	1.00E+00	5.36E-05	9.08E-06	1	0.00754737
phe.Fasting_rs79389383	S8	PHC3	rs74627895	S8	TMEM64	6.37E-09	0.260193	6.15E-06	1.02E-06	1	0.00115421
phe.Fasting_rs79389383	S8	PHC3	rs75350765	S5	RCL1	2.86E-19	1.17E-11	2.40E-14	4.04E-07	1	0.000492337
phe.Fasting_rs79389383	S8	PHC3	rs75506779	S5	TMCO3	2.11E-09	0.0862915	2.20E-06	2.98E-06	1	0.00291794
phe.Fasting_rs79389383	S8	PHC3	rs75949566	S5	TMEM64	2.31E-08	0.941791	2.01E-05	3.24E-10	0.0132	8.70E-07
phe.Fasting_rs79389383	S8	PHC3	rs76542405	S5	SPTLC1	1.98E-05	1.00E+00	8.28E-03	7.96E-10	0.0323902	1.95E-06
phe.Fasting_rs79389383	S8	PHC3	rs77523818	S7	SPTLC1	1.98E-05	1.00E+00	8.28E-03	7.96E-10	0.0323902	1.95E-06
phe.Fasting_rs79389383	S8	PHC3	rs7763107	S8	FARS2	1.31E-09	5.37E-02	1.42E-06	2.46E-06	1	0.0024697
phe.Fasting_rs79389383	S8	PHC3	rs77845645	S21	NA	1.00E-08	4.10E-01	9.35E-06	9.87E-13	4.02E-05	4.68E-09
phe.Fasting_rs79389383	S8	PHC3	rs78990344	S2	LOC1005063:	2.10E-08	8.59E-01	1.85E-05	1.86E-10	0.00758489	5.33E-07
phe.Fasting_rs79517926	S15	"DIAPH1,LOC	rs111576333	S5	TMEM64	6.36E-07	1.00E+00	4.07E-04	2.93E-08	1	4.76E-05

phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs112009962	S8	NA	7.20E-11	0.00293916	9.55E-08	5.41E-06	1	0.00489237
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs112089881	S8	ZFAND4	3.79E-18	1.55E-10	5.79E-14	2.44E-07	1	0.000315813
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs112091318	S5	TMEM64	1.93E-07	1.00E+00	1.38E-04	4.24E-07	1	0.000515489
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs114334325	S7	AP3M2	6.38E-13	2.61E-05	1.34E-09	1.14E-06	1	0.00127164
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs114394395	S7	AP3M2	6.73E-13	2.75E-05	1.40E-09	1.14E-06	1	0.00127164
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs114565620	S8	RCL1	2.29E-17	9.35E-10	1.46E-13	6.41E-08	1	9.60E-05
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs115083290	S19	NA	9.94E-17	4.06E-09	4.24E-13	1.78E-09	0.0726506	3.98E-06
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs115752779	S19	NA	9.94E-17	4.06E-09	4.24E-13	1.78E-09	0.0726506	3.98E-06
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs115787552	S5	KPNA3	7.26E-16	2.96E-08	2.22E-12	3.07E-19	1.25E-11	3.60E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs115888477	S8	NA	5.65E-15	2.31E-07	1.47E-11	1.06E-16	4.32E-09	5.87E-12
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs116011837	S9	BRD2	1.30E-11	5.31E-04	2.02E-08	2.01E-15	8.17E-08	2.11E-11
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs116079984	S8	KPNA3	7.26E-16	2.96E-08	2.22E-12	3.52E-19	1.43E-11	3.88E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs116120727	S9	BRD2	1.30E-11	0.00053113	2.02E-08	2.01E-15	8.17E-08	2.11E-11
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs116129306	S3	MICA	6.00E-06	1	0.00292457	4.27E-06	1	0.00399221
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs116406581	S2	NA	2.69E-12	0.000109753	4.97E-09	9.06E-06	1	0.0075327
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs116548615	S8	TMEM45B	1.02E-07	1	7.76E-05	4.05E-08	1	6.34E-05
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs116696844	S3	AP3M2	8.85E-13	3.61E-05	1.83E-09	1.14E-06	1	0.00127164
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs11989304	S4	TMEM64	6.36E-07	1	0.000406633	2.51E-07	1	0.000323549
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs140524622	S7	MRPL10	2.74E-17	1.12E-09	1.64E-13	2.76E-09	0.112213	5.88E-06
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs146815317	S5	KPNA3	7.26E-16	2.96E-08	2.22E-12	3.07E-19	1.25E-11	3.60E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs150117838	S8	KPNA3	7.26E-16	2.96E-08	2.22E-12	2.85E-19	1.16E-11	3.60E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs150916187	S4	HIST1H2BK	7.78E-06	1	0.00367688	4.86E-20	1.98E-12	8.25E-14
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs16894241	S4	HIST1H2BK	9.78E-12	0.000399226	1.56E-08	2.78E-19	1.13E-11	3.60E-13
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs2000418	S7	TTC3	2.18E-10	0.00890034	2.67E-07	1.68E-06	1	0.00177595
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs2032062	S8	NA	1.12E-14	4.56E-07	2.84E-11	4.99E-07	1	0.000595664
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs2257163	S7	TTC3	1.96E-10	0.00798756	2.42E-07	1.70E-06	1	0.00179947
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs2298326	S7	TTC3	2.63E-10	0.0107252	3.17E-07	1.70E-06	1	0.00179947
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs2835632	S7	TTC3	1.96E-10	0.00798756	2.42E-07	1.70E-06	1	0.00179947
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs2835656	S7	TTC3	1.96E-10	0.00800994	2.42E-07	6.61E-07	1	0.00077454
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs57503635	S3	NA	1.45E-16	5.93E-09	5.72E-13	3.68E-12	0.000149984	1.53E-08
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs58905476	S7	TTC3	2.15E-10	0.00879785	2.65E-07	6.01E-07	1	0.000709728
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs60011869	S16	NA	2.87E-06	1	0.00152008	3.50E-06	1	0.00335354
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs7004597	S8	NA	6.38E-13	2.61E-05	1.34E-09	9.68E-06	1	0.00794822
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs7256517	S7	CYTH2	4.22E-07	1	2.82E-04	8.63E-10	0.0351281	2.08E-06
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs7275757	S7	TTC3	2.15E-10	0.00879785	2.65E-07	1.62E-06	1	0.00171838
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs7284020	S7	TTC3	2.88E-10	0.0117607	3.46E-07	1.62E-06	1	0.00171838
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs73283603	S7	ZWINT	6.80E-07	1	0.000431577	7.83E-07	1	0.00090319
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs73391005	S8	TTC3	2.18E-10	0.00890034	2.67E-07	1.69E-06	1	0.0017824
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs73391173	S8	TTC3	2.18E-10	0.00890034	2.67E-07	1.68E-06	1	0.00177595
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs73392640	S8	POLR3B	6.27E-11	0.00255856	8.39E-08	1.23E-13	5.00E-06	7.33E-10

phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs73407968	S8	TTC3	2.64E-10	0.0107984	3.19E-07	1.71E-06	1	0.00180267	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs73619637	S8	NA	4.78E-10	0.0195229	5.48E-07	2.55E-09	0.103962	5.49E-06	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs74627895	S8	TMEM64	1.93E-07	1	1.38E-04	2.24E-06	1	0.00228612	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs74914207	S24	NA	3.23E-11	0.00131905	4.55E-08	2.22E-15	9.02E-08	2.24E-11	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs75350765	S5	RCL1	2.29E-17	9.35E-10	1.46E-13	6.41E-08	1	9.60E-05	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs75374128	S5	CNTLN	2.81E-17	1.15E-09	1.64E-13	9.10E-09	0.37057	1.72E-05	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs75506779	S5	TMCO3	1.34E-07	1	9.89E-05	2.45E-08	0.99824	4.05E-05	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs75864203	S8	CNTLN	2.81E-17	1.15E-09	1.64E-13	9.10E-09	0.37057	1.72E-05	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs75949566	S5	TMEM64	7.51E-07	1	4.70E-04	2.55E-07	1	0.000328993	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs76844308	S8	CNTLN	1.42E-17	5.81E-10	1.15E-13	4.70E-11	0.00191221	1.52E-07	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs7763107	S8	FARS2	1.85E-07	1	1.33E-04	5.77E-13	2.35E-05	2.85E-09	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs77798597	S7	KPNA3	7.26E-16	2.96E-08	2.22E-12	2.85E-19	1.16E-11	3.60E-13	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs78353402	S8	AP3M2	6.38E-13	2.61E-05	1.34E-09	1.14E-06	1	1.27E-03	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs78516788	S8	SLC38A1	2.26E-12	9.22E-05	4.23E-09	3.62E-09	0.147177	7.50E-06	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs78697063	S5	MSI2	4.09E-10	0.0167096	4.75E-07	3.64E-08	1	5.76E-05	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs78703708	S7	FAF2	9.41E-12	0.000384366	1.51E-08	8.23E-09	0.335042	1.57E-05	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs78722272	S5	CNTLN	2.81E-17	1.15E-09	1.64E-13	9.56E-09	0.38931	1.80E-05	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs78736524	S5	KPNA3	7.26E-16	2.96E-08	2.22E-12	3.07E-19	1.25E-11	3.60E-13	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs78990344	S2	LOC10050631	6.36E-07	1	4.07E-04	2.51E-07	1	0.000323549	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs79781495	S8	KPNA3	7.26E-16	2.96E-08	2.22E-12	2.85E-19	1.16E-11	3.60E-13	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs79886603	S15	NA	3.93E-08	1	3.29E-05	6.47E-12	0.000263517	2.50E-08	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs80200953	S8	PPP2R5D	5.08E-08	1	4.15E-05	4.87E-10	0.0198162	1.27E-06	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs80332465	S5	KPNA3	7.70E-16	3.15E-08	2.35E-12	3.18E-19	1.29E-11	3.60E-13	
phe.Fasting_rs79517926	S15	"DIAPH1,LOCrs80334773	S5	KPNA3	7.70E-16	3.15E-08	2.35E-12	3.18E-19	1.29E-11	3.60E-13	
phe.Fasting_rs79518241	S6	PHC3	rs111576333	S5	TMEM64	2.07E-08	0.844108	1.82E-05	2.31E-10	0.00941342	6.43E-07
phe.Fasting_rs79518241	S6	PHC3	rs112091318	S5	TMEM64	6.28E-09	0.256524	6.07E-06	3.37E-10	0.013698	8.96E-07
phe.Fasting_rs79518241	S6	PHC3	rs112348319	S8	SPTLC1	1.92E-05	1	8.06E-03	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs79518241	S6	PHC3	rs112608164	S8	SPTLC1	1.92E-05	1	0.00806329	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs79518241	S6	PHC3	rs113568654	S12	SPTLC1	1.84E-05	1	0.00776102	1.04E-08	0.421423	1.91E-05
phe.Fasting_rs79518241	S6	PHC3	rs114565620	S8	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	4.90E-04
phe.Fasting_rs79518241	S6	PHC3	rs115083290	S19	NA	8.85E-08	1	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_rs79518241	S6	PHC3	rs115752779	S19	NA	8.85E-08	1	6.83E-05	3.40E-09	0.138522	7.12E-06
phe.Fasting_rs79518241	S6	PHC3	rs115888477	S8	NA	1.34E-06	1	7.91E-04	7.82E-11	0.00318365	2.44E-07
phe.Fasting_rs79518241	S6	PHC3	rs116011837	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs79518241	S6	PHC3	rs116120727	S9	BRD2	2.70E-13	1.10E-05	5.81E-10	2.07E-11	0.000841008	7.31E-08
phe.Fasting_rs79518241	S6	PHC3	rs116548615	S8	TMEM45B	5.29E-19	2.16E-11	2.49E-14	7.92E-10	0.0322544	1.95E-06
phe.Fasting_rs79518241	S6	PHC3	rs11989304	S4	TMEM64	2.07E-08	0.844108	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs79518241	S6	PHC3	rs140524622	S7	MRPL10	2.30E-08	0.93902	2.01E-05	2.14E-06	1	2.19E-03
phe.Fasting_rs79518241	S6	PHC3	rs141926074	S8	ATE1	1.23E-19	5.04E-12	2.23E-14	1.34E-11	0.000545558	4.89E-08
phe.Fasting_rs79518241	S6	PHC3	rs73392640	S8	POLR3B	6.58E-08	1	5.26E-05	8.97E-06	1	0.00747055

phe.Fasting_rs79518241	S6	PHC3	rs74627895	S8	TMEM64	6.28E-09	0.256524	6.07E-06	1.27E-06	1	0.00139909
phe.Fasting_rs79518241	S6	PHC3	rs75350765	S5	RCL1	2.84E-19	1.16E-11	2.40E-14	4.01E-07	1	0.000489631
phe.Fasting_rs79518241	S6	PHC3	rs75506779	S5	TMCO3	7.38E-14	3.01E-06	1.70E-10	3.50E-06	1	0.00334821
phe.Fasting_rs79518241	S6	PHC3	rs75949566	S5	TMEM64	2.26E-08	0.923876	1.98E-05	3.24E-10	0.0132	8.70E-07
phe.Fasting_rs79518241	S6	PHC3	rs76542405	S5	SPTLC1	1.92E-05	1	0.00806329	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs79518241	S6	PHC3	rs77523818	S7	SPTLC1	1.92E-05	1	0.00806329	7.84E-10	0.0319139	1.93E-06
phe.Fasting_rs79518241	S6	PHC3	rs7763107	S8	FARS2	1.30E-09	0.0532742	1.41E-06	2.87E-06	1	0.00281845
phe.Fasting_rs79518241	S6	PHC3	rs77845645	S21	NA	9.87E-09	0.403004	9.22E-06	9.90E-13	4.03E-05	4.68E-09
phe.Fasting_rs79518241	S6	PHC3	rs78990344	S2	LOC10050631	2.07E-08	0.844108	1.82E-05	2.29E-10	0.00932569	6.39E-07
phe.Fasting_rs79661125	S8	FAM73A	rs116011837	S9	BRD2	2.10E-07	1	0.000149195	1.44E-07	1	0.000196589
phe.Fasting_rs79661125	S8	FAM73A	rs116120727	S9	BRD2	2.10E-07	1	0.000149195	1.44E-07	1	0.000196589
phe.Fasting_rs79781495	S8	KPNA3	rs140524622	S7	MRPL10	3.78E-08	1	3.18E-05	1.50E-16	6.10E-09	6.88E-12
phe.Fasting_rs79781495	S8	KPNA3	rs57503635	S3	NA	1.29E-15	5.25E-08	3.74E-12	4.13E-15	1.68E-07	3.85E-11
phe.Fasting_rs79781495	S8	KPNA3	rs7256517	S7	CYTH2	1.78E-05	1	0.00753655	1.34E-06	1	0.00147054
phe.Fasting_rs79781495	S8	KPNA3	rs75506779	S5	TMCO3	2.52E-06	1	0.00136748	2.40E-15	9.76E-08	2.35E-11
phe.Fasting_rs79886603	S15	NA	rs115787552	S5	KPNA3	9.92E-06	1	0.00454412	2.86E-08	1	4.67E-05
phe.Fasting_rs79886603	S15	NA	rs116079984	S8	KPNA3	9.92E-06	1	0.00454412	4.96E-08	1	7.62E-05
phe.Fasting_rs79886603	S15	NA	rs140524622	S7	MRPL10	2.86E-07	1	0.000198206	1.44E-10	0.00587104	4.32E-07
phe.Fasting_rs79886603	S15	NA	rs146815317	S5	KPNA3	9.92E-06	1	0.00454412	2.86E-08	1	4.67E-05
phe.Fasting_rs79886603	S15	NA	rs150117838	S8	KPNA3	9.92E-06	1	0.00454412	3.69E-08	1	5.84E-05
phe.Fasting_rs79886603	S15	NA	rs73619637	S8	NA	8.53E-08	1	6.61E-05	7.24E-07	1	0.000840717
phe.Fasting_rs79886603	S15	NA	rs77798597	S7	KPNA3	9.92E-06	1	0.00454412	3.69E-08	1	5.84E-05
phe.Fasting_rs79886603	S15	NA	rs78736524	S5	KPNA3	9.92E-06	1	0.00454412	2.86E-08	1	4.67E-05
phe.Fasting_rs79886603	S15	NA	rs79781495	S8	KPNA3	9.92E-06	1	0.00454412	3.69E-08	1	5.84E-05
phe.Fasting_rs79886603	S15	NA	rs80332465	S5	KPNA3	1.03E-05	1	0.0046791	3.90E-08	1	6.12E-05
phe.Fasting_rs79886603	S15	NA	rs80334773	S5	KPNA3	1.03E-05	1	0.0046791	3.90E-08	1	6.12E-05
phe.Fasting_rs79891104	S8	LUZP1	rs112348319	S8	SPTLC1	5.05E-06	1	0.00250864	4.97E-08	1	7.63E-05
phe.Fasting_rs79891104	S8	LUZP1	rs112608164	S8	SPTLC1	5.05E-06	1	0.00250864	4.97E-08	1	7.63E-05
phe.Fasting_rs79891104	S8	LUZP1	rs113568654	S12	SPTLC1	4.70E-06	1	0.00236049	3.56E-07	1	0.000442475
phe.Fasting_rs79891104	S8	LUZP1	rs76542405	S5	SPTLC1	5.05E-06	1	0.00250864	4.97E-08	1	7.63E-05
phe.Fasting_rs79891104	S8	LUZP1	rs77523818	S7	SPTLC1	5.05E-06	1	0.00250864	4.97E-08	1	7.63E-05
phe.Fasting_rs80157533	S8	NEK1	rs112027720	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs112089881	S8	ZFAND4	1.84E-18	7.51E-11	3.89E-14	2.77E-09	0.112698	5.90E-06
phe.Fasting_rs80157533	S8	NEK1	rs113219478	S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs113357907	S24	ISL1	6.12E-18	2.50E-10	7.50E-14	4.03E-16	1.64E-08	1.16E-11
phe.Fasting_rs80157533	S8	NEK1	rs115888477	S8	NA	2.70E-15	1.10E-07	7.57E-12	2.67E-06	1	0.00264447
phe.Fasting_rs80157533	S8	NEK1	rs116011837	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs80157533	S8	NEK1	rs116120727	S9	BRD2	2.29E-17	9.34E-10	1.45E-13	8.57E-11	0.00348829	2.64E-07
phe.Fasting_rs80157533	S8	NEK1	rs116279995	S20	"PCDHGA4, P	2.15E-05	1	0.00887266	9.47E-08	1	0.000134747
phe.Fasting_rs80157533	S8	NEK1	rs138090701	S5	HDAC3	1.02E-12	4.17E-05	2.10E-09	4.63E-09	0.188358	9.27E-06

phe.Fasting_rs80157533	S8	NEK1	rs138136869S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs80157533	S8	NEK1	rs138457103S10	DIAPH1	5.43E-12	0.000221795	9.60E-09	9.11E-09	0.370794	1.72E-05
phe.Fasting_rs80157533	S8	NEK1	rs138487229S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs138738950S8	"PCDHGB2,Pi	9.17E-12	0.000374383	1.48E-08	9.66E-09	0.393262	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs139297927S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs139337303S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs139403963S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs80157533	S8	NEK1	rs139621309S18	"LOC1005056	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs139828110S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs80157533	S8	NEK1	rs140070363S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs140644750S13	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs141022544S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs141525984S5	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs141926074S8	ATE1	1.33E-06	1	0.000783423	7.93E-15	3.23E-07	7.00E-11
phe.Fasting_rs80157533	S8	NEK1	rs142480565S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs142718558S7	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs142789100S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs80157533	S8	NEK1	rs142812798S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs80157533	S8	NEK1	rs143377827S13	"DIAPH1,LOC	1.45E-12	5.90E-05	2.83E-09	1.02E-09	0.0416914	2.43E-06
phe.Fasting_rs80157533	S8	NEK1	rs143691978S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs80157533	S8	NEK1	rs144081334S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs80157533	S8	NEK1	rs144613910S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs145027704S11	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs80157533	S8	NEK1	rs146220673S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs146622060S13	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs80157533	S8	NEK1	rs146878162S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs1470889 S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs80157533	S8	NEK1	rs1470890 S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs80157533	S8	NEK1	rs147314451S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs147417996S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs80157533	S8	NEK1	rs147506725S21	"PCDHGA1,Pi	2.15E-05	1	0.00887266	9.47E-08	1	0.000134747
phe.Fasting_rs80157533	S8	NEK1	rs147646948S7	"LOC1005056	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs147677041S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs80157533	S8	NEK1	rs148116628S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs148423011S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs149019627S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs80157533	S8	NEK1	rs149075406S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs149334783S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs149553852S21	"PCDHGA10,	2.15E-05	1	0.00887266	9.47E-08	1	0.000134747
phe.Fasting_rs80157533	S8	NEK1	rs149716949S5	DIAPH1	7.67E-13	3.13E-05	1.59E-09	1.12E-09	0.0455921	2.64E-06



phe.Fasting_rs80157533	S8	NEK1	rs149791570S5	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs80157533	S8	NEK1	rs150452206S13	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs150675915S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs150765570S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs150992994S11	"PCDHGA5,PI	9.47E-12	0.000386737	1.52E-08	9.38E-09	0.381964	1.77E-05
phe.Fasting_rs80157533	S8	NEK1	rs151204700S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs151330468S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	2.15E-09	0.087529	4.71E-06
phe.Fasting_rs80157533	S8	NEK1	rs16894241 S4	HIST1H2BK	5.24E-08	1	4.28E-05	2.86E-07	1	0.000363243
phe.Fasting_rs80157533	S8	NEK1	rs180772028S8	"DIAPH1,LOC	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs181224861S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs181247960S21	"PCDHGA9,PI	2.15E-05	1	8.87E-03	9.47E-08	1	0.000134747
phe.Fasting_rs80157533	S8	NEK1	rs181824655S21	"PCDHGB6,PI	2.15E-05	1	8.87E-03	9.47E-08	1	0.000134747
phe.Fasting_rs80157533	S8	NEK1	rs182714699S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs182965141S8	DIAPH1	2.01E-12	8.19E-05	3.80E-09	6.50E-10	0.0264673	1.63E-06
phe.Fasting_rs80157533	S8	NEK1	rs183597049S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs183980988S2	NA	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs184233232S7	DIAPH1	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs184509477S13	"PCDHGB4,PI	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs185069296S15	"LOC100505056	9.17E-12	3.74E-04	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs185502834S8	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs80157533	S8	NEK1	rs185759881S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs186288044S21	"PCDHGB4,PI	2.15E-05	1	0.00887266	9.47E-08	1	0.000134747
phe.Fasting_rs80157533	S8	NEK1	rs187000011S11	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs188981295S5	"RPS27AP10,	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs190559574S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs80157533	S8	NEK1	rs191544043S8	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs191766712S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs192690040S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs192765219S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs192770525S7	DIAPH1	9.17E-12	0.000374383	1.48E-08	9.70E-09	0.394978	1.81E-05
phe.Fasting_rs80157533	S8	NEK1	rs2924507 S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs80157533	S8	NEK1	rs2924508 S8	ZC3H3	3.60E-08	1	3.04E-05	9.52E-07	1	0.00108069
phe.Fasting_rs80157533	S8	NEK1	rs2924511 S7	ZC3H3	3.60E-08	1	3.04E-05	5.76E-07	1	0.000680958
phe.Fasting_rs80157533	S8	NEK1	rs2924512 S7	ZC3H3	4.02E-08	1	3.37E-05	7.17E-07	1	0.00083355
phe.Fasting_rs80157533	S8	NEK1	rs2956376 S8	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs80157533	S8	NEK1	rs2980270 S7	ZC3H3	3.60E-08	1	3.04E-05	3.89E-07	1	0.000476148
phe.Fasting_rs80157533	S8	NEK1	rs2980272 S7	ZC3H3	4.02E-08	1	3.37E-05	7.52E-07	1	0.000869902
phe.Fasting_rs80157533	S8	NEK1	rs2980275 S5	ZC3H3	3.60E-08	1	3.04E-05	6.78E-07	1	0.000791674
phe.Fasting_rs80157533	S8	NEK1	rs35990401 S7	DIAPH1	8.40E-12	0.000343123	1.39E-08	3.62E-09	0.147164	7.50E-06
phe.Fasting_rs80157533	S8	NEK1	rs366767 S5	ZC3H3	6.34E-08	1	5.08E-05	4.19E-07	1	0.000508745

phe.Fasting_rs80157533	S8	NEK1	rs55900860	S7	DIAPH1	1.65E-12	6.74E-05	3.16E-09	1.25E-09	0.0510001	2.90E-06
phe.Fasting_rs80157533	S8	NEK1	rs57503635	S3	NA	7.93E-17	3.24E-09	3.50E-13	1.02E-05	1	0.00831784
phe.Fasting_rs80157533	S8	NEK1	rs6881310	S23	ISL1	4.23E-17	1.73E-09	2.22E-13	8.72E-13	3.55E-05	4.15E-09
phe.Fasting_rs80157533	S8	NEK1	rs73619637	S8	NA	1.02E-16	4.15E-09	4.31E-13	6.10E-09	0.248478	1.19E-05
phe.Fasting_rs80157533	S8	NEK1	rs73794928	S13	"PCDHGA9,Pi	1.55E-05	1	6.66E-03	1.19E-05	1	0.0093559
phe.Fasting_rs80157533	S8	NEK1	rs77444916	S23	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_rs80157533	S8	NEK1	rs78703708	S7	FAF2	9.25E-18	3.78E-10	9.24E-14	7.48E-08	1	0.000109374
phe.Fasting_rs80157533	S8	NEK1	rs79517926	S15	"DIAPH1,LOC	2.69E-12	0.000109672	4.97E-09	8.36E-10	0.0340091	2.03E-06
phe.Fasting_rs80157533	S8	NEK1	rs80258830	S24	LOC642366	1.50E-17	6.11E-10	1.18E-13	3.78E-16	1.54E-08	1.16E-11
phe.Fasting_rs80200953	S8	PPP2R5D	rs114565620	S8	RCL1	4.47E-18	1.83E-10	6.40E-14	2.13E-16	8.68E-09	8.14E-12
phe.Fasting_rs80200953	S8	PPP2R5D	rs141926074	S8	ATE1	3.73E-18	1.52E-10	5.71E-14	4.95E-06	1	0.0045362
phe.Fasting_rs80200953	S8	PPP2R5D	rs57503635	S3	NA	5.94E-09	0.242589	5.76E-06	3.28E-07	1	0.000410707
phe.Fasting_rs80200953	S8	PPP2R5D	rs75350765	S5	RCL1	4.47E-18	1.83E-10	6.40E-14	2.13E-16	8.68E-09	8.14E-12
phe.Fasting_rs80200953	S8	PPP2R5D	rs79886603	S15	NA	5.01E-18	2.05E-10	6.85E-14	4.10E-09	0.166929	8.40E-06
phe.Fasting_rs80258830	S24	LOC642366	rs111576333	S5	TMEM64	3.76E-17	1.53E-09	2.04E-13	6.78E-15	2.76E-07	6.06E-11
phe.Fasting_rs80258830	S24	LOC642366	rs112027720	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs80258830	S24	LOC642366	rs112089881	S8	ZFAND4	7.24E-08	1	5.70E-05	3.02E-16	1.23E-08	1.01E-11
phe.Fasting_rs80258830	S24	LOC642366	rs112091318	S5	TMEM64	1.13E-17	4.62E-10	1.02E-13	8.04E-15	3.27E-07	7.10E-11
phe.Fasting_rs80258830	S24	LOC642366	rs113219478	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_rs80258830	S24	LOC642366	rs113568654	S12	SPTLC1	1.61E-07	1	1.17E-04	1.46E-13	5.95E-06	8.32E-10
phe.Fasting_rs80258830	S24	LOC642366	rs114334325	S7	AP3M2	1.30E-11	0.000530003	2.02E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs80258830	S24	LOC642366	rs114394395	S7	AP3M2	1.35E-11	0.00055115	2.09E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs80258830	S24	LOC642366	rs114565620	S8	RCL1	2.52E-17	1.03E-09	1.56E-13	5.48E-15	2.23E-07	5.01E-11
phe.Fasting_rs80258830	S24	LOC642366	rs115083290	S19	NA	1.64E-06	1	9.42E-04	8.45E-16	3.44E-08	1.16E-11
phe.Fasting_rs80258830	S24	LOC642366	rs115305957	S23	NA	1.48E-17	6.03E-10	1.17E-13	3.16E-15	1.29E-07	3.03E-11
phe.Fasting_rs80258830	S24	LOC642366	rs115752779	S19	NA	1.64E-06	1	9.42E-04	8.45E-16	3.44E-08	1.16E-11
phe.Fasting_rs80258830	S24	LOC642366	rs115787552	S5	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.09E-14	1.26E-06	2.29E-10
phe.Fasting_rs80258830	S24	LOC642366	rs115888477	S8	NA	1.85E-15	7.54E-08	5.27E-12	5.33E-15	2.17E-07	4.88E-11
phe.Fasting_rs80258830	S24	LOC642366	rs116011837	S9	BRD2	2.31E-17	9.43E-10	1.46E-13	2.99E-13	1.22E-05	1.64E-09
phe.Fasting_rs80258830	S24	LOC642366	rs116079984	S8	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.49E-14	1.42E-06	2.53E-10
phe.Fasting_rs80258830	S24	LOC642366	rs116120727	S9	BRD2	2.31E-17	9.43E-10	1.46E-13	2.99E-13	1.22E-05	1.64E-09
phe.Fasting_rs80258830	S24	LOC642366	rs116279995	S20	"PCDHGA4,Pi	9.01E-07	1	0.000551882	5.24E-14	2.13E-06	3.61E-10
phe.Fasting_rs80258830	S24	LOC642366	rs116406581	S2	NA	5.35E-11	0.00218631	7.23E-08	3.94E-15	1.60E-07	3.70E-11
phe.Fasting_rs80258830	S24	LOC642366	rs116548615	S8	TMEM45B	1.98E-17	8.10E-10	1.42E-13	6.84E-09	0.278458	1.32E-05
phe.Fasting_rs80258830	S24	LOC642366	rs116696844	S3	AP3M2	1.83E-11	0.000748556	2.76E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs80258830	S24	LOC642366	rs11989304	S4	TMEM64	3.76E-17	1.53E-09	2.04E-13	6.48E-15	2.64E-07	5.85E-11
phe.Fasting_rs80258830	S24	LOC642366	rs13353823	S8	MAST4	3.13E-07	1	2.16E-04	6.70E-09	0.272905	1.30E-05
phe.Fasting_rs80258830	S24	LOC642366	rs138090701	S5	HDAC3	9.19E-07	1	5.62E-04	1.17E-13	4.75E-06	7.06E-10
phe.Fasting_rs80258830	S24	LOC642366	rs138136869	S7	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_rs80258830	S24	LOC642366	rs138457103	S10	DIAPH1	3.55E-06	1	0.00183746	1.24E-13	5.06E-06	7.37E-10

phe.Fasting_	rs80258830	S24	LOC642366	rs138487229	S11	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs138738950	S8	"PCDHGB2,Pi	5.84E-06	1	2.86E-03	1.32E-13	5.37E-06	7.69E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs139297927	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs139337303	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs139403963	S8	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs139621309	S18	"LOC1005056	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs139828110	S8	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs140070363	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs140524622	S7	MRPL10	3.60E-07	1	2.45E-04	5.76E-15	2.34E-07	5.25E-11
phe.Fasting_	rs80258830	S24	LOC642366	rs140644750	S13	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs141022544	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs141525984	S5	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs141692339	S3	"PCDHGA6,Pi	1.11E-06	1	6.65E-04	7.18E-14	2.92E-06	4.82E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs141926074	S8	ATE1	5.64E-18	2.30E-10	7.14E-14	8.39E-14	3.41E-06	5.61E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs142480565	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs142718558	S7	"DIAPH1,LOC	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs142789100	S8	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs142812798	S7	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs143377827	S13	"DIAPH1,LOC	1.51E-06	1	8.78E-04	2.83E-14	1.15E-06	2.13E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs143691978	S11	DIAPH1	1.45E-06	1	8.46E-04	3.80E-14	1.55E-06	2.72E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs144081334	S11	DIAPH1	1.45E-06	1	8.46E-04	3.80E-14	1.55E-06	2.72E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs144613910	S8	DIAPH1	5.84E-06	1	0.0028563	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs145027704	S11	DIAPH1	1.45E-06	1	0.000846158	3.80E-14	1.55E-06	2.72E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs146220673	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs146622060	S13	DIAPH1	1.45E-06	1	0.000846158	3.80E-14	1.55E-06	2.72E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs146815317	S5	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.09E-14	1.26E-06	2.29E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs146878162	S7	DIAPH1	5.84E-06	1	0.0028563	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs1470889	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_	rs80258830	S24	LOC642366	rs1470890	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_	rs80258830	S24	LOC642366	rs147314451	S8	DIAPH1	5.84E-06	1	0.0028563	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs147417996	S7	DIAPH1	1.45E-06	1	8.46E-04	3.80E-14	1.55E-06	2.72E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs147506725	S21	"PCDHGA1,Pi	9.01E-07	1	5.52E-04	5.24E-14	2.13E-06	3.61E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs147646948	S7	"LOC1005056	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs147677041	S8	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs148116628	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs148423011	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs149019627	S8	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs149075406	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs149334783	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs149553852	S21	"PCDHGA10,	9.01E-07	1	5.52E-04	5.24E-14	2.13E-06	3.61E-10

phe.Fasting_	rs80258830	S24	LOC642366	rs149716949	S5	DIAPH1	8.44E-07	1	5.20E-04	1.62E-14	6.60E-07	1.36E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs149791570	S5	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs150117838	S8	KPNA3	2.72E-16	1.11E-08	9.14E-13	2.88E-14	1.17E-06	2.16E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs150452206	S13	"DIAPH1,LOC	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs150675915	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs150765570	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs150916187	S4	HIST1H2BK	5.42E-07	1	3.53E-04	6.03E-15	2.45E-07	5.47E-11
phe.Fasting_	rs80258830	S24	LOC642366	rs150992994	S11	"PCDHGA5,PI	5.86E-06	1	2.86E-03	1.24E-13	5.04E-06	7.34E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs151204700	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs151330468	S8	DIAPH1	1.45E-06	1	8.46E-04	3.80E-14	1.55E-06	2.72E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs16894241	S4	HIST1H2BK	9.23E-07	1	5.64E-04	1.00E-14	4.07E-07	8.68E-11
phe.Fasting_	rs80258830	S24	LOC642366	rs16908547	S8	PAG1	2.76E-08	1	2.39E-05	4.30E-13	1.75E-05	2.31E-09
phe.Fasting_	rs80258830	S24	LOC642366	rs17494290	S5	CDH2	3.23E-19	1.32E-11	2.40E-14	2.27E-12	9.24E-05	9.79E-09
phe.Fasting_	rs80258830	S24	LOC642366	rs180772028	S8	"DIAPH1,LOC	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs181224861	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs181247960	S21	"PCDHGA9,PI	9.01E-07	1	5.52E-04	5.24E-14	2.13E-06	3.61E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs181824655	S21	"PCDHGB6,PI	9.01E-07	1	5.52E-04	5.24E-14	2.13E-06	3.61E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs182714699	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs182958142	S8	DIAPH1	3.46E-06	1	1.80E-03	1.26E-14	5.14E-07	1.08E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs182965141	S8	DIAPH1	1.58E-06	1	9.11E-04	8.86E-15	3.61E-07	7.78E-11
phe.Fasting_	rs80258830	S24	LOC642366	rs183597049	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs183980988	S2	NA	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs184233232	S7	DIAPH1	5.84E-06	1	0.0028563	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs184509477	S13	"PCDHGB4,PI	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs185069296	S15	"LOC1005056	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs185502834	S8	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs185759881	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs186288044	S21	"PCDHGB4,PI	9.01E-07	1	5.52E-04	5.24E-14	2.13E-06	3.61E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs187000011	S11	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs188981295	S5	"RPS27AP10,	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs190559574	S7	DIAPH1	1.45E-06	1	0.000846158	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs191544043	S8	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs191766712	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs192690040	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs192765219	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs192770525	S7	DIAPH1	5.84E-06	1	2.86E-03	1.30E-13	5.29E-06	7.59E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs2285645	S7	MTMR3	1.76E-07	1	1.27E-04	4.87E-14	1.98E-06	3.37E-10
phe.Fasting_	rs80258830	S24	LOC642366	rs2924507	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_	rs80258830	S24	LOC642366	rs2924508	S8	ZC3H3	3.47E-18	1.42E-10	5.60E-14	3.11E-13	1.27E-05	1.70E-09
phe.Fasting_	rs80258830	S24	LOC642366	rs2924511	S7	ZC3H3	3.47E-18	1.42E-10	5.60E-14	1.97E-13	8.01E-06	1.10E-09

phe.Fasting_rs80258830	S24	LOC642366	rs2924512	S7	ZC3H3	3.97E-18	1.62E-10	5.99E-14	2.29E-13	9.30E-06	1.26E-09
phe.Fasting_rs80258830	S24	LOC642366	rs2956376	S8	ZC3H3	3.47E-18	1.42E-10	5.60E-14	1.33E-13	5.43E-06	7.77E-10
phe.Fasting_rs80258830	S24	LOC642366	rs2980270	S7	ZC3H3	3.47E-18	1.42E-10	5.60E-14	1.33E-13	5.43E-06	7.77E-10
phe.Fasting_rs80258830	S24	LOC642366	rs2980272	S7	ZC3H3	3.97E-18	1.62E-10	5.99E-14	2.52E-13	1.03E-05	1.39E-09
phe.Fasting_rs80258830	S24	LOC642366	rs2980275	S5	ZC3H3	3.47E-18	1.42E-10	5.60E-14	2.19E-13	8.93E-06	1.21E-09
phe.Fasting_rs80258830	S24	LOC642366	rs34801978	S3	HOXB2	1.05E-06	1	6.34E-04	4.42E-09	0.179891	8.98E-06
phe.Fasting_rs80258830	S24	LOC642366	rs35990401	S7	DIAPH1	4.98E-06	1	2.48E-03	5.10E-14	2.08E-06	3.52E-10
phe.Fasting_rs80258830	S24	LOC642366	rs366767	S5	ZC3H3	4.74E-18	1.93E-10	6.62E-14	1.49E-13	6.06E-06	8.45E-10
phe.Fasting_rs80258830	S24	LOC642366	rs4732511	S13	POR	1.38E-18	5.65E-11	3.39E-14	2.18E-06	1	0.00223348
phe.Fasting_rs80258830	S24	LOC642366	rs55900860	S7	DIAPH1	1.45E-06	1	8.46E-04	3.46E-14	1.41E-06	2.51E-10
phe.Fasting_rs80258830	S24	LOC642366	rs57503635	S3	NA	8.73E-17	3.57E-09	3.79E-13	1.25E-14	5.07E-07	1.07E-10
phe.Fasting_rs80258830	S24	LOC642366	rs60011869	S16	NA	9.65E-07	1	5.87E-04	5.08E-15	2.07E-07	4.68E-11
phe.Fasting_rs80258830	S24	LOC642366	rs6964407	S7	POR	4.32E-18	1.76E-10	6.34E-14	2.04E-06	1	0.00210857
phe.Fasting_rs80258830	S24	LOC642366	rs7004597	S8	NA	1.30E-11	0.000530003	2.02E-08	3.39E-15	1.38E-07	3.24E-11
phe.Fasting_rs80258830	S24	LOC642366	rs7256517	S7	CYTH2	1.01E-16	4.11E-09	4.28E-13	8.71E-15	3.55E-07	7.66E-11
phe.Fasting_rs80258830	S24	LOC642366	rs73283603	S7	ZWINT	9.84E-17	4.02E-09	4.21E-13	5.66E-15	2.30E-07	5.16E-11
phe.Fasting_rs80258830	S24	LOC642366	rs73392640	S8	POLR3B	1.50E-16	6.14E-09	5.83E-13	9.36E-12	0.000380943	3.49E-08
phe.Fasting_rs80258830	S24	LOC642366	rs73619637	S8	NA	9.04E-06	1	4.19E-03	5.49E-16	2.24E-08	1.16E-11
phe.Fasting_rs80258830	S24	LOC642366	rs73794928	S13	"PCDHGA9,Pi	1.41E-06	1.00E+00	8.26E-04	2.53E-14	1.03E-06	1.92E-10
phe.Fasting_rs80258830	S24	LOC642366	rs74627895	S8	TMEM64	1.13E-17	4.62E-10	1.02E-13	3.94E-15	1.60E-07	3.70E-11
phe.Fasting_rs80258830	S24	LOC642366	rs74701059	S24	C17orf102	1.50E-17	6.14E-10	1.18E-13	3.22E-15	1.31E-07	3.09E-11
phe.Fasting_rs80258830	S24	LOC642366	rs74914207	S24	NA	3.46E-12	0.000141389	6.28E-09	1.58E-11	0.000644651	5.68E-08
phe.Fasting_rs80258830	S24	LOC642366	rs75350765	S5	RCL1	2.52E-17	1.03E-09	1.56E-13	5.48E-15	2.23E-07	5.01E-11
phe.Fasting_rs80258830	S24	LOC642366	rs75374128	S5	CNTLN	1.14E-17	4.66E-10	1.02E-13	8.56E-11	0.00348551	2.64E-07
phe.Fasting_rs80258830	S24	LOC642366	rs75758702	S24	NA	5.36E-18	2.19E-10	7.01E-14	1.92E-16	7.80E-09	7.61E-12
phe.Fasting_rs80258830	S24	LOC642366	rs75864203	S8	CNTLN	1.14E-17	4.66E-10	1.02E-13	8.56E-11	0.00348551	2.64E-07
phe.Fasting_rs80258830	S24	LOC642366	rs75949566	S5	TMEM64	3.79E-17	1.55E-09	2.05E-13	9.41E-15	3.83E-07	8.18E-11
phe.Fasting_rs80258830	S24	LOC642366	rs76844308	S8	CNTLN	7.43E-07	1	4.66E-04	2.85E-15	1.16E-07	2.76E-11
phe.Fasting_rs80258830	S24	LOC642366	rs7763107	S8	FARS2	6.68E-17	2.73E-09	3.05E-13	1.29E-15	5.24E-08	1.46E-11
phe.Fasting_rs80258830	S24	LOC642366	rs77798597	S7	KPNA3	2.72E-16	1.11E-08	9.14E-13	2.88E-14	1.17E-06	2.16E-10
phe.Fasting_rs80258830	S24	LOC642366	rs77845645	S21	NA	1.59E-17	6.50E-10	1.22E-13	1.19E-14	4.85E-07	1.02E-10
phe.Fasting_rs80258830	S24	LOC642366	rs78353402	S8	AP3M2	1.30E-11	0.000530003	2.02E-08	4.93E-15	2.01E-07	4.56E-11
phe.Fasting_rs80258830	S24	LOC642366	rs78516788	S8	SLC38A1	1.33E-17	5.43E-10	1.10E-13	1.01E-14	4.10E-07	8.74E-11
phe.Fasting_rs80258830	S24	LOC642366	rs78697063	S5	MSI2	5.49E-20	2.24E-12	2.23E-14	3.16E-15	1.28E-07	3.03E-11
phe.Fasting_rs80258830	S24	LOC642366	rs78722272	S5	CNTLN	1.14E-17	4.66E-10	1.02E-13	8.46E-11	0.00344297	2.62E-07
phe.Fasting_rs80258830	S24	LOC642366	rs78736524	S5	KPNA3	2.72E-16	1.11E-08	9.14E-13	3.09E-14	1.26E-06	2.29E-10
phe.Fasting_rs80258830	S24	LOC642366	rs78990344	S2	LOC10050631	3.76E-17	1.53E-09	2.04E-13	6.48E-15	2.64E-07	5.85E-11
phe.Fasting_rs80258830	S24	LOC642366	rs79517926	S15	"DIAPH1,LOC	1.35E-06	1	7.94E-04	5.85E-15	2.38E-07	5.33E-11
phe.Fasting_rs80258830	S24	LOC642366	rs79703349	S24	C17orf102	1.50E-17	6.14E-10	1.18E-13	3.66E-15	1.49E-07	3.48E-11
phe.Fasting_rs80258830	S24	LOC642366	rs79781495	S8	KPNA3	2.72E-16	1.11E-08	9.14E-13	2.88E-14	1.17E-06	2.16E-10

phe.Fasting_rs80258830	S24	LOC642366	rs79886603	S15	NA	3.52E-07	1	2.40E-04	3.62E-15	1.47E-07	3.45E-11
phe.Fasting_rs80258830	S24	LOC642366	rs80332465	S5	KPNA3	2.95E-16	1.21E-08	9.83E-13	3.02E-14	1.23E-06	2.25E-10
phe.Fasting_rs80258830	S24	LOC642366	rs80334773	S5	KPNA3	2.95E-16	1.21E-08	9.83E-13	3.02E-14	1.23E-06	2.25E-10
phe.Fasting_rs80258830	S24	LOC642366	rs8075478	S8	MYH10	4.86E-07	1	3.20E-04	1.26E-15	5.14E-08	1.43E-11
phe.Fasting_rs80258830	S24	LOC642366	rs9620939	S7	MTMR3	1.86E-07	1	0.000133405	9.79E-17	3.98E-09	5.51E-12
phe.Fasting_rs80258830	S24	LOC642366	rs9625903	S7	MTMR3	2.09E-07	1	1.48E-04	3.64E-17	1.48E-09	3.17E-12
phe.Fasting_rs80332465	S5	KPNA3	rs140524622	S7	MRPL10	3.87E-08	1	3.25E-05	1.63E-16	6.63E-09	6.93E-12
phe.Fasting_rs80332465	S5	KPNA3	rs57503635	S3	NA	1.37E-15	5.60E-08	3.96E-12	4.42E-15	1.80E-07	4.10E-11
phe.Fasting_rs80332465	S5	KPNA3	rs7256517	S7	CYTH2	1.78E-05	1	0.00752173	1.51E-06	1	0.00162234
phe.Fasting_rs80332465	S5	KPNA3	rs75506779	S5	TMCO3	2.51E-06	1	0.00136249	2.58E-15	1.05E-07	2.52E-11
phe.Fasting_rs80334773	S5	KPNA3	rs140524622	S7	MRPL10	3.87E-08	1	3.25E-05	1.63E-16	6.63E-09	6.93E-12
phe.Fasting_rs80334773	S5	KPNA3	rs57503635	S3	NA	1.37E-15	5.60E-08	3.96E-12	4.42E-15	1.80E-07	4.10E-11
phe.Fasting_rs80334773	S5	KPNA3	rs7256517	S7	CYTH2	1.78E-05	1	0.00752173	1.51E-06	1	0.00162234
phe.Fasting_rs80334773	S5	KPNA3	rs75506779	S5	TMCO3	2.51E-06	1	0.00136249	2.58E-15	1.05E-07	2.52E-11
phe.Fasting_rs8179686	S5	LIMS1	rs112027720	S7	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs112940854	S5	MYO1B	2.05E-05	1	0.00854508	2.51E-09	0.102221	5.41E-06
phe.Fasting_rs8179686	S5	LIMS1	rs113219478	S7	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs115888477	S8	NA	8.57E-07	1	5.28E-04	4.79E-06	1	0.0044182
phe.Fasting_rs8179686	S5	LIMS1	rs138090701	S5	HDAC3	2.51E-07	1	0.000175323	3.95E-08	1	6.19E-05
phe.Fasting_rs8179686	S5	LIMS1	rs138136869	S7	DIAPH1	4.51E-08	1	3.73E-05	1.81E-08	0.736014	3.14E-05
phe.Fasting_rs8179686	S5	LIMS1	rs138457103	S10	DIAPH1	4.12E-06	1	0.0020983	3.53E-07	1	0.000438876
phe.Fasting_rs8179686	S5	LIMS1	rs138487229	S11	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs138738950	S8	"PCDHGB2,PI	2.31E-07	1	0.000162396	2.14E-08	0.871187	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs139297927	S8	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs139337303	S8	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs139403963	S8	DIAPH1	4.51E-08	1	3.73E-05	1.81E-08	0.736014	3.14E-05
phe.Fasting_rs8179686	S5	LIMS1	rs139621309	S18	"LOC100505050	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs139797194	S8	MYO1B	5.57E-06	1	0.00273501	7.80E-06	1	0.00662804
phe.Fasting_rs8179686	S5	LIMS1	rs139828110	S8	DIAPH1	4.51E-08	1	3.73E-05	1.81E-08	0.736014	3.14E-05
phe.Fasting_rs8179686	S5	LIMS1	rs140070363	S8	DIAPH1	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs140644750	S13	DIAPH1	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs141022544	S8	DIAPH1	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs141525984	S5	DIAPH1	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs142480565	S8	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs142718558	S7	"DIAPH1,LOC	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs142789100	S8	DIAPH1	4.51E-08	1	3.73E-05	1.81E-08	0.736014	3.14E-05
phe.Fasting_rs8179686	S5	LIMS1	rs142812798	S7	DIAPH1	4.51E-08	1	3.73E-05	1.81E-08	0.736014	3.14E-05
phe.Fasting_rs8179686	S5	LIMS1	rs143377827	S13	"DIAPH1,LOC	3.03E-08	1	2.60E-05	1.19E-08	0.485592	2.18E-05
phe.Fasting_rs8179686	S5	LIMS1	rs143691978	S11	DIAPH1	4.51E-08	1	3.73E-05	1.91E-08	0.775841	3.29E-05
phe.Fasting_rs8179686	S5	LIMS1	rs144081334	S11	DIAPH1	4.51E-08	1	3.73E-05	1.91E-08	0.775841	3.29E-05

phe.Fasting_rs8179686	S5	LIMS1	rs144613910S8	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs145027704S11	DIAPH1	4.51E-08	1	3.73E-05	1.91E-08	0.775841	3.29E-05
phe.Fasting_rs8179686	S5	LIMS1	rs146220673S7	DIAPH1	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs146622060S13	DIAPH1	4.51E-08	1	3.73E-05	1.91E-08	0.775841	3.29E-05
phe.Fasting_rs8179686	S5	LIMS1	rs146878162S7	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs147314451S8	DIAPH1	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs147417996S7	DIAPH1	4.51E-08	1	3.73E-05	1.91E-08	0.775841	3.29E-05
phe.Fasting_rs8179686	S5	LIMS1	rs147646948S7	"LOC1005056	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs147677041S8	DIAPH1	4.51E-08	1	3.73E-05	1.81E-08	0.736014	3.14E-05
phe.Fasting_rs8179686	S5	LIMS1	rs148116628S7	DIAPH1	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs148423011S7	DIAPH1	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs149019627S8	DIAPH1	4.51E-08	1	3.73E-05	1.81E-08	0.736014	3.14E-05
phe.Fasting_rs8179686	S5	LIMS1	rs149075406S8	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs149334783S8	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs149791570S5	DIAPH1	4.51E-08	1	3.73E-05	1.81E-08	0.736014	3.14E-05
phe.Fasting_rs8179686	S5	LIMS1	rs150452206S13	"DIAPH1,LOC	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs150675915S7	DIAPH1	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs150765570S7	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs150992994S11	"PCDHGA5,PI	2.38E-07	1	0.000167142	7.14E-09	0.290537	1.37E-05
phe.Fasting_rs8179686	S5	LIMS1	rs151204700S8	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs151330468S8	DIAPH1	4.51E-08	1	3.73E-05	1.91E-08	0.775841	3.29E-05
phe.Fasting_rs8179686	S5	LIMS1	rs16833550 S5	MYO1B	2.97E-06	1	0.00156458	6.16E-09	0.250812	1.20E-05
phe.Fasting_rs8179686	S5	LIMS1	rs16833551 S5	MYO1B	2.01E-05	1	0.00839318	3.32E-11	0.00135119	1.11E-07
phe.Fasting_rs8179686	S5	LIMS1	rs180772028S8	"DIAPH1,LOC	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs181224861S7	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs182714699S8	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs182965141S8	DIAPH1	5.27E-08	1	4.29E-05	1.58E-08	0.643315	2.79E-05
phe.Fasting_rs8179686	S5	LIMS1	rs183597049S7	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs183980988S2	NA	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs184233232S7	DIAPH1	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs184509477S13	"PCDHGB4,PI	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs185069296S15	"LOC1005056	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs185502834S8	DIAPH1	4.51E-08	1	3.73E-05	1.81E-08	0.736014	3.14E-05
phe.Fasting_rs8179686	S5	LIMS1	rs185759881S7	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs187000011S11	DIAPH1	2.31E-07	1	1.62E-04	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs188981295S5	"RPS27AP10,	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs190559574S7	DIAPH1	4.51E-08	1	3.73E-05	1.81E-08	0.736014	3.14E-05
phe.Fasting_rs8179686	S5	LIMS1	rs191544043S8	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs191766712S7	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs192690040S7	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05

phe.Fasting_rs8179686	S5	LIMS1	rs192765219S7	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs192770525S7	DIAPH1	2.31E-07	1	0.000162396	2.14E-08	0.870696	3.65E-05
phe.Fasting_rs8179686	S5	LIMS1	rs35990401 S7	DIAPH1	3.19E-07	1	2.19E-04	4.62E-09	0.188102	9.26E-06
phe.Fasting_rs8179686	S5	LIMS1	rs55900860 S7	DIAPH1	4.51E-08	1	3.73E-05	1.81E-08	0.736014	3.14E-05
phe.Fasting_rs8179686	S5	LIMS1	rs61613048 S8	MYO1B	2.37E-05	1.00E+00	9.67E-03	1.28E-09	0.0520394	2.94E-06
phe.Fasting_rs8179686	S5	LIMS1	rs73058677 S5	MYO1B	2.05E-05	1	8.55E-03	6.70E-10	0.0272662	1.68E-06
phe.Fasting_rs842453	S11	ESYT2	rs57503635 S3	NA	2.84E-10	0.0115832	3.41E-07	6.84E-07	1	0.000798477
phe.Fasting_rs875142	S4	PAQR8	rs139070959S8	RPN2	1.43E-07	1	1.05E-04	9.23E-07	1	0.00104965
phe.Fasting_rs875142	S4	PAQR8	rs145412529S8	"RBL1,RPS3A	7.46E-08	1.00E+00	5.86E-05	1.60E-06	1	0.00170508
phe.Fasting_rs930038	S8	LIMS1	rs112027720S7	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs112940854S5	MYO1B	1.58E-05	1	6.77E-03	6.69E-07	1	0.000782583
phe.Fasting_rs930038	S8	LIMS1	rs113219478S7	DIAPH1	3.48E-06	1.00E+00	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs115888477S8	NA	1.69E-06	1	9.69E-04	4.76E-06	1	0.00439398
phe.Fasting_rs930038	S8	LIMS1	rs138136869S7	DIAPH1	1.38E-06	1	0.000808611	3.97E-06	1	0.00373516
phe.Fasting_rs930038	S8	LIMS1	rs138487229S11	DIAPH1	3.48E-06	1	0.00180387	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs138738950S8	"PCDHGB2,PI	3.48E-06	1	1.80E-03	1.24E-05	1	0.00965861
phe.Fasting_rs930038	S8	LIMS1	rs139297927S8	DIAPH1	3.48E-06	1.00E+00	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs139337303S8	DIAPH1	3.48E-06	1	0.00180387	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs139403963S8	DIAPH1	1.38E-06	1.00E+00	8.09E-04	3.97E-06	1	0.00373516
phe.Fasting_rs930038	S8	LIMS1	rs139621309S18	"LOC1005056	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs139828110S8	DIAPH1	1.38E-06	1	8.09E-04	3.97E-06	1	0.00373516
phe.Fasting_rs930038	S8	LIMS1	rs140070363S8	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs140644750S13	DIAPH1	3.48E-06	1.00E+00	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs141022544S8	DIAPH1	3.48E-06	1.00E+00	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs141525984S5	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs142480565S8	DIAPH1	3.48E-06	1.00E+00	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs142718558S7	"DIAPH1,LOC	3.48E-06	1.00E+00	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs142789100S8	DIAPH1	1.38E-06	1	0.000808611	3.97E-06	1	0.00373516
phe.Fasting_rs930038	S8	LIMS1	rs142812798S7	DIAPH1	1.38E-06	1.00E+00	8.09E-04	3.97E-06	1	0.00373516
phe.Fasting_rs930038	S8	LIMS1	rs143377827S13	"DIAPH1,LOC	7.20E-07	1	4.54E-04	3.03E-06	1	0.00294684
phe.Fasting_rs930038	S8	LIMS1	rs143691978S11	DIAPH1	1.38E-06	1	8.09E-04	4.05E-06	1	0.00380693
phe.Fasting_rs930038	S8	LIMS1	rs144081334S11	DIAPH1	1.38E-06	1	0.000808611	4.05E-06	1	0.00380693
phe.Fasting_rs930038	S8	LIMS1	rs144613910S8	DIAPH1	3.48E-06	1	0.00180387	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs145027704S11	DIAPH1	1.38E-06	1.00E+00	8.09E-04	4.05E-06	1	0.00380693
phe.Fasting_rs930038	S8	LIMS1	rs146220673S7	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs146622060S13	DIAPH1	1.38E-06	1	0.000808611	4.05E-06	1	0.00380693
phe.Fasting_rs930038	S8	LIMS1	rs146878162S7	DIAPH1	3.48E-06	1	0.00180387	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs147314451S8	DIAPH1	3.48E-06	1	0.00180387	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs147417996S7	DIAPH1	1.38E-06	1	8.09E-04	4.05E-06	1	0.00380693
phe.Fasting_rs930038	S8	LIMS1	rs147646948S7	"LOC1005056	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693



phe.Fasting_rs930038	S8	LIMS1	rs147677041 S8	DIAPH1	1.38E-06	1	8.09E-04	3.97E-06	1	0.00373516
phe.Fasting_rs930038	S8	LIMS1	rs148116628 S7	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs148423011 S7	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs149019627 S8	DIAPH1	1.38E-06	1	8.09E-04	3.97E-06	1	0.00373516
phe.Fasting_rs930038	S8	LIMS1	rs149075406 S8	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs149334783 S8	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs149791570 S5	DIAPH1	1.38E-06	1	8.09E-04	3.97E-06	1	0.00373516
phe.Fasting_rs930038	S8	LIMS1	rs150452206 S13	"DIAPH1,LOC	3.48E-06	1.00E+00	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs150675915 S7	DIAPH1	3.48E-06	1.00E+00	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs150765570 S7	DIAPH1	3.48E-06	1.00E+00	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs150992994 S11	"PCDHGA5,PI	3.52E-06	1.00E+00	1.82E-03	4.95E-06	1	0.00453404
phe.Fasting_rs930038	S8	LIMS1	rs151204700 S8	DIAPH1	3.48E-06	1.00E+00	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs151330468 S8	DIAPH1	1.38E-06	1.00E+00	8.09E-04	4.05E-06	1	0.00380693
phe.Fasting_rs930038	S8	LIMS1	rs16833551 S5	MYO1B	1.69E-05	1.00E+00	7.21E-03	1.11E-07	1	0.000155671
phe.Fasting_rs930038	S8	LIMS1	rs180772028 S8	"DIAPH1,LOC	3.48E-06	1	0.00180387	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs181224861 S7	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs182714699 S8	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs182965141 S8	DIAPH1	1.58E-06	1	0.000909616	2.29E-06	1	0.00233232
phe.Fasting_rs930038	S8	LIMS1	rs183597049 S7	DIAPH1	3.48E-06	1	0.00180387	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs183980988 S2	NA	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs184233232 S7	DIAPH1	3.48E-06	1	0.00180387	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs184509477 S13	"PCDHGB4,PI	3.48E-06	1	0.00180387	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs185069296 S15	"LOC1005056	3.48E-06	1	0.00180387	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs185502834 S8	DIAPH1	1.38E-06	1	8.09E-04	3.97E-06	1	0.00373516
phe.Fasting_rs930038	S8	LIMS1	rs185759881 S7	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs187000011 S11	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs188981295 S5	"RPS27AP10,	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs190559574 S7	DIAPH1	1.38E-06	1	8.09E-04	3.97E-06	1	0.00373516
phe.Fasting_rs930038	S8	LIMS1	rs191544043 S8	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs191766712 S7	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs192690040 S7	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs192765219 S7	DIAPH1	3.48E-06	1	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs192770525 S7	DIAPH1	3.48E-06	1.00E+00	1.80E-03	1.23E-05	1	0.00957693
phe.Fasting_rs930038	S8	LIMS1	rs35990401 S7	DIAPH1	7.17E-06	1	0.00342486	2.57E-06	1	0.00255549
phe.Fasting_rs930038	S8	LIMS1	rs55900860 S7	DIAPH1	1.38E-06	1.00E+00	8.09E-04	3.97E-06	1	0.00373516
phe.Fasting_rs930038	S8	LIMS1	rs61613048 S8	MYO1B	1.65E-05	1	0.0070658	3.46E-07	1	0.000430848
phe.Fasting_rs930038	S8	LIMS1	rs73058677 S5	MYO1B	1.58E-05	1.00E+00	6.77E-03	3.68E-07	1	0.000456103
phe.Fasting_rs9308807	S5	LIMS1	rs112027720 S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs112940854 S5	MYO1B	1.92E-05	1.00E+00	8.04E-03	8.38E-07	1	0.00096107
phe.Fasting_rs9308807	S5	LIMS1	rs113219478 S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881

phe.Fasting_rs9308807	S5	LIMS1	rs115888477 S8	NA	6.44E-07	1	4.11E-04	5.89E-06	1	0.00523297
phe.Fasting_rs9308807	S5	LIMS1	rs138090701 S5	HDAC3	1.14E-06	1	0.000680781	7.54E-06	1	0.00644479
phe.Fasting_rs9308807	S5	LIMS1	rs138136869 S7	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs9308807	S5	LIMS1	rs138487229 S11	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs138738950 S8	"PCDHGB2,PI	2.35E-06	1	1.28E-03	5.57E-06	1	5.01E-03
phe.Fasting_rs9308807	S5	LIMS1	rs139297927 S8	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs139337303 S8	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs139403963 S8	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs9308807	S5	LIMS1	rs139621309 S18	"LOC1005056	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs139828110 S8	DIAPH1	7.24E-07	1	0.000456268	2.51E-06	1	0.00250878
phe.Fasting_rs9308807	S5	LIMS1	rs140070363 S8	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs140644750 S13	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs141022544 S8	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs141525984 S5	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs142480565 S8	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs142718558 S7	"DIAPH1,LOC	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs142789100 S8	DIAPH1	7.24E-07	1	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs9308807	S5	LIMS1	rs142812798 S7	DIAPH1	7.24E-07	1	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs9308807	S5	LIMS1	rs143377827 S13	"DIAPH1,LOC	3.87E-07	1	2.62E-04	1.87E-06	1	0.00195041
phe.Fasting_rs9308807	S5	LIMS1	rs143691978 S11	DIAPH1	7.24E-07	1	0.000456268	2.58E-06	1	0.00256916
phe.Fasting_rs9308807	S5	LIMS1	rs144081334 S11	DIAPH1	7.24E-07	1	0.000456268	2.58E-06	1	0.00256916
phe.Fasting_rs9308807	S5	LIMS1	rs144613910 S8	DIAPH1	2.35E-06	1	0.00128405	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs145027704 S11	DIAPH1	7.24E-07	1	0.000456268	2.58E-06	1	0.00256916
phe.Fasting_rs9308807	S5	LIMS1	rs146220673 S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	5.01E-03
phe.Fasting_rs9308807	S5	LIMS1	rs146622060 S13	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.58E-06	1	0.00256916
phe.Fasting_rs9308807	S5	LIMS1	rs146878162 S7	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs147314451 S8	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs147417996 S7	DIAPH1	7.24E-07	1	4.56E-04	2.58E-06	1	0.00256916
phe.Fasting_rs9308807	S5	LIMS1	rs147646948 S7	"LOC1005056	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs147677041 S8	DIAPH1	7.24E-07	1	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs9308807	S5	LIMS1	rs148116628 S7	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs148423011 S7	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs149019627 S8	DIAPH1	7.24E-07	1	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs9308807	S5	LIMS1	rs149075406 S8	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs149334783 S8	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs149791570 S5	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs9308807	S5	LIMS1	rs150452206 S13	"DIAPH1,LOC	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	5.01E-03
phe.Fasting_rs9308807	S5	LIMS1	rs150675915 S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs150765570 S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs150992994 S11	"PCDHGA5,PI	2.36E-06	1.00E+00	1.29E-03	2.32E-06	1	0.00235104

phe.Fasting_rs9308807	S5	LIMS1	rs151204700S8	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs151330468S8	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.58E-06	1	0.00256916
phe.Fasting_rs9308807	S5	LIMS1	rs16833551 S5	MYO1B	2.05E-05	1	8.52E-03	1.40E-07	1	0.000192036
phe.Fasting_rs9308807	S5	LIMS1	rs180772028S8	"DIAPH1,LOC	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs181224861S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs182714699S8	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs182965141S8	DIAPH1	8.32E-07	1.00E+00	5.14E-04	1.64E-06	1	0.00173454
phe.Fasting_rs9308807	S5	LIMS1	rs183597049S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs183980988S2	NA	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs184233232S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs184509477S13	"PCDHGB4,PI	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs185069296S15	"LOC1005056	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs185502834S8	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs9308807	S5	LIMS1	rs185759881S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs187000011S11	DIAPH1	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs188981295S5	"RPS27AP10,	2.35E-06	1	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs190559574S7	DIAPH1	7.24E-07	1.00E+00	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs9308807	S5	LIMS1	rs191544043S8	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs191766712S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs192690040S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs192765219S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs192770525S7	DIAPH1	2.35E-06	1.00E+00	1.28E-03	5.58E-06	1	0.00500881
phe.Fasting_rs9308807	S5	LIMS1	rs35990401 S7	DIAPH1	4.67E-06	1.00E+00	2.34E-03	1.30E-06	1	0.00142873
phe.Fasting_rs9308807	S5	LIMS1	rs55900860 S7	DIAPH1	7.24E-07	1	4.56E-04	2.51E-06	1	0.00250878
phe.Fasting_rs9308807	S5	LIMS1	rs61613048 S8	MYO1B	2.16E-05	1	8.91E-03	4.36E-07	1	0.000527729
phe.Fasting_rs9308807	S5	LIMS1	rs73058677 S5	MYO1B	1.92E-05	1	8.04E-03	2.24E-07	1	0.000293135
phe.Fasting_rs9526023	S8	NUFIP1	rs139070959S8	RPN2	2.18E-18	8.89E-11	4.32E-14	4.04E-09	0.164256	8.28E-06
phe.Fasting_rs9526023	S8	NUFIP1	rs145412529S8	"RBL1,RPS3A	5.99E-07	1	3.86E-04	4.32E-09	0.175882	8.81E-06
phe.Fasting_rs9691409	S8	COPG2	rs116079984S8	KPNA3	5.37E-06	1	2.65E-03	6.86E-10	0.0279037	1.71E-06
phe.Fasting_rs9838049	S7	FANCD2	rs112027720S7	DIAPH1	4.36E-07	1	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs113219478S7	DIAPH1	4.36E-07	1	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs116279995S20	"PCDHGA4,PI	6.20E-07	1.00E+00	3.98E-04	3.53E-06	1	0.00337922
phe.Fasting_rs9838049	S7	FANCD2	rs138090701S5	HDAC3	9.73E-07	1	5.92E-04	5.73E-06	1	0.00512168
phe.Fasting_rs9838049	S7	FANCD2	rs138136869S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs9838049	S7	FANCD2	rs138457103S10	DIAPH1	2.44E-07	1	1.71E-04	1.37E-06	1	0.00149224
phe.Fasting_rs9838049	S7	FANCD2	rs138487229S11	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs138738950S8	"PCDHGB2,PI	4.36E-07	1.00E+00	2.89E-04	1.61E-06	1	0.0017121
phe.Fasting_rs9838049	S7	FANCD2	rs139297927S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs139337303S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs139403963S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911

phe.Fasting_rs9838049	S7	FANCD2	rs139621309S18	"LOC1005056	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs139828110S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs9838049	S7	FANCD2	rs140070363S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs140644750S13	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs141022544S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs141525984S5	DIAPH1	4.36E-07	1	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs141692339S3	"PCDHGA6,Pi	8.21E-07	1	0.000508152	5.19E-06	1	0.00472329
phe.Fasting_rs9838049	S7	FANCD2	rs141926074S8	ATE1	2.88E-07	1	1.99E-04	2.16E-06	1	0.00221082
phe.Fasting_rs9838049	S7	FANCD2	rs142480565S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs142718558S7	"DIAPH1,LOC	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs9838049	S7	FANCD2	rs142789100S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs9838049	S7	FANCD2	rs142812798S7	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs9838049	S7	FANCD2	rs143377827S13	"DIAPH1,LOC	8.22E-08	1.00E+00	6.39E-05	2.35E-07	1	0.000304848
phe.Fasting_rs9838049	S7	FANCD2	rs143691978S11	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	0.000375916
phe.Fasting_rs9838049	S7	FANCD2	rs144081334S11	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.97E-07	1	0.000375916
phe.Fasting_rs9838049	S7	FANCD2	rs144613910S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs145027704S11	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.97E-07	1	0.000375916
phe.Fasting_rs9838049	S7	FANCD2	rs146220673S7	DIAPH1	4.36E-07	1	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs146622060S13	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	0.000375916
phe.Fasting_rs9838049	S7	FANCD2	rs146878162S7	DIAPH1	4.36E-07	1	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs147314451S8	DIAPH1	4.36E-07	1	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs147417996S7	DIAPH1	7.49E-08	1	5.87E-05	2.97E-07	1	3.76E-04
phe.Fasting_rs9838049	S7	FANCD2	rs147506725S21	"PCDHGA1,Pi	6.20E-07	1	0.000397692	3.53E-06	1	3.38E-03
phe.Fasting_rs9838049	S7	FANCD2	rs147646948S7	"LOC1005056	4.36E-07	1	0.000289116	1.62E-06	1	1.72E-03
phe.Fasting_rs9838049	S7	FANCD2	rs147677041S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	3.62E-04
phe.Fasting_rs9838049	S7	FANCD2	rs148116628S7	DIAPH1	4.36E-07	1	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs148423011S7	DIAPH1	4.36E-07	1	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs149019627S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs9838049	S7	FANCD2	rs149075406S8	DIAPH1	4.36E-07	1	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs149334783S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs149553852S21	"PCDHGA10,I	6.20E-07	1.00E+00	3.98E-04	3.53E-06	1	0.00337922
phe.Fasting_rs9838049	S7	FANCD2	rs149716949S5	DIAPH1	4.70E-08	1.00E+00	3.87E-05	3.17E-07	1	0.000398509
phe.Fasting_rs9838049	S7	FANCD2	rs149791570S5	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_rs9838049	S7	FANCD2	rs150452206S13	"DIAPH1,LOC	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs150675915S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs150765570S7	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs150992994S11	"PCDHGA5,Pi	4.50E-07	1.00E+00	2.89E-04	1.56E-06	1	0.00166348
phe.Fasting_rs9838049	S7	FANCD2	rs151204700S8	DIAPH1	4.36E-07	1.00E+00	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_rs9838049	S7	FANCD2	rs151330468S8	DIAPH1	7.49E-08	1.00E+00	5.87E-05	2.97E-07	1	0.000375916
phe.Fasting_rs9838049	S7	FANCD2	rs180772028S8	"DIAPH1,LOC	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838

phe.Fasting_	rs9838049	S7	FANCD2	rs181224861	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs181247960	S21	"PCDHGA9,PI	6.20E-07	1	0.000397692	3.53E-06	1	0.00337922
phe.Fasting_	rs9838049	S7	FANCD2	rs181824655	S21	"PCDHGB6,PI	6.20E-07	1	0.000397692	3.53E-06	1	0.00337922
phe.Fasting_	rs9838049	S7	FANCD2	rs182714699	S8	DIAPH1	4.36E-07	1	2.89E-04	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs182958142	S8	DIAPH1	2.15E-07	1	0.0001523	5.72E-06	1	0.00511188
phe.Fasting_	rs9838049	S7	FANCD2	rs182965141	S8	DIAPH1	8.44E-08	1	6.55E-05	3.00E-06	1	0.00292277
phe.Fasting_	rs9838049	S7	FANCD2	rs183597049	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs183980988	S2	NA	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs184233232	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs184509477	S13	"PCDHGB4,PI	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs185069296	S15	"LOC1005056	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs185502834	S8	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_	rs9838049	S7	FANCD2	rs185759881	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs186288044	S21	"PCDHGB4,PI	6.20E-07	1	0.000397692	3.53E-06	1	0.00337922
phe.Fasting_	rs9838049	S7	FANCD2	rs187000011	S11	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs188981295	S5	"RPS27AP10,	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs190559574	S7	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_	rs9838049	S7	FANCD2	rs191544043	S8	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs191766712	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs192690040	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs192765219	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs192770525	S7	DIAPH1	4.36E-07	1	0.000289116	1.62E-06	1	0.00171838
phe.Fasting_	rs9838049	S7	FANCD2	rs35990401	S7	DIAPH1	3.35E-07	1	0.000229529	5.65E-07	1	0.000669255
phe.Fasting_	rs9838049	S7	FANCD2	rs3856797	S12	VGLL4	1.22E-05	1	0.00541401	6.19E-07	1	0.000728414
phe.Fasting_	rs9838049	S7	FANCD2	rs55900860	S7	DIAPH1	7.49E-08	1	5.87E-05	2.85E-07	1	0.000361911
phe.Fasting_	rs9838049	S7	FANCD2	rs57503635	S3	NA	3.60E-09	0.147212	3.63E-06	4.64E-17	1.89E-09	3.64E-12
phe.Fasting_	rs9838049	S7	FANCD2	rs79517926	S15	"DIAPH1,LOC	1.06E-07	1	8.00E-05	2.93E-06	1	0.00287018
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs112027720	S7	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs113219478	S7	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs115888477	S8	NA	6.64E-07	1	0.000422395	5.07E-06	1	4.62E-03
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs116279995	S20	"PCDHGA4,PI	4.65E-07	1	0.000307369	3.29E-06	1	0.00317534
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs138090701	S5	HDAC3	7.54E-07	1	0.000471909	5.42E-06	1	0.00490399
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs138136869	S7	DIAPH1	5.59E-08	1	4.54E-05	2.68E-07	1	0.000343099
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs138457103	S10	DIAPH1	1.87E-07	1	0.000134228	1.29E-06	1	0.00141637
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs138487229	S11	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs138738950	S8	"PCDHGB2,PI	3.42E-07	1	0.000233892	1.52E-06	1	0.00163535
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs139297927	S8	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs139337303	S8	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs139403963	S8	DIAPH1	5.59E-08	1	4.54E-05	2.68E-07	1	0.000343099
phe.Fasting_	rs9856270	S8	"FANCD2OS,	rs139621309	S18	"LOC1005056	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527

phe.Fasting_rs9856270	S8	"FANCD2OS,Irs139828110 S8	DIAPH1	5.59E-08	1	4.54E-05	2.68E-07	1	0.000343099
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs140070363 S8	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs140644750 S13	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs141022544 S8	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs141525984 S5	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs141692339 S3	"PCDHGA6,Pi	6.25E-07	1	0.000400299	4.84E-06	1	0.00445101
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs141926074 S8	ATE1	2.24E-07	1	0.000158104	2.02E-06	1	0.00208672
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs142480565 S8	DIAPH1	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs142718558 S7	"DIAPH1,LOC	3.42E-07	1	0.000233892	1.53E-06	1	1.65E-03
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs142789100 S8	DIAPH1	5.59E-08	1	4.54E-05	2.68E-07	1	0.000343099
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs142812798 S7	DIAPH1	5.59E-08	1	4.54E-05	2.68E-07	1	0.000343099
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs143377827 S13	"DIAPH1,LOC	6.18E-08	1	4.97E-05	2.22E-07	1	0.000289987
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs143691978 S11	DIAPH1	5.59E-08	1	4.54E-05	2.79E-07	1	3.56E-04
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs144081334 S11	DIAPH1	5.59E-08	1.00E+00	4.54E-05	2.79E-07	1	0.000355559
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs144613910 S8	DIAPH1	3.42E-07	1.00E+00	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs145027704 S11	DIAPH1	5.59E-08	1	4.54E-05	2.79E-07	1	0.000355559
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs146220673 S7	DIAPH1	3.42E-07	1.00E+00	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs146622060 S13	DIAPH1	5.59E-08	1	4.54E-05	2.79E-07	1	0.000355559
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs146878162 S7	DIAPH1	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs147314451 S8	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs147417996 S7	DIAPH1	5.59E-08	1	4.54E-05	2.79E-07	1	0.000355559
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs147506725 S21	"PCDHGA1,Pi	4.65E-07	1.00E+00	3.07E-04	3.29E-06	1	0.00317534
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs147646948 S7	"LOC1005056	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs147677041 S8	DIAPH1	5.59E-08	1	4.54E-05	2.68E-07	1	0.000343099
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs148116628 S7	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs148423011 S7	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs149019627 S8	DIAPH1	5.59E-08	1	4.54E-05	2.68E-07	1	0.000343099
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs149075406 S8	DIAPH1	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs149334783 S8	DIAPH1	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs149553852 S21	"PCDHGA10,I	4.65E-07	1	3.07E-04	3.29E-06	1	0.00317534
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs149716949 S5	DIAPH1	3.50E-08	1	2.96E-05	3.03E-07	1	0.00038264
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs149791570 S5	DIAPH1	5.59E-08	1	4.54E-05	2.68E-07	1	0.000343099
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs150452206 S13	"DIAPH1,LOC	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs150675915 S7	DIAPH1	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs150765570 S7	DIAPH1	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs150992994 S11	"PCDHGA5,Pi	3.55E-07	1.00E+00	2.42E-04	1.47E-06	1	0.0015908
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs151204700 S8	DIAPH1	3.42E-07	1.00E+00	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs151330468 S8	DIAPH1	5.59E-08	1.00E+00	4.54E-05	2.79E-07	1	0.000355559
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs180772028 S8	"DIAPH1,LOC	3.42E-07	1.00E+00	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs181224861 S7	DIAPH1	3.42E-07	1.00E+00	2.34E-04	1.53E-06	1	0.00164527

phe.Fasting_rs9856270	S8	"FANCD2OS,Irs181247960 S21	"PCDHGA9,PI	4.65E-07	1.00E+00	3.07E-04	3.29E-06	1	0.00317534
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs181824655 S21	"PCDHGB6,PI	4.65E-07	1.00E+00	3.07E-04	3.29E-06	1	0.00317534
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs182714699 S8	DIAPH1	3.42E-07	1.00E+00	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs182958142 S8	DIAPH1	1.91E-07	1	0.000136481	5.38E-06	1	0.00487465
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs182965141 S8	DIAPH1	7.66E-08	1.00E+00	5.99E-05	2.83E-06	1	0.00278387
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs183597049 S7	DIAPH1	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs183980988 S2	NA	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs184233232 S7	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs184509477 S13	"PCDHGB4,PI	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs185069296 S15	"LOC1005056	3.42E-07	1.00E+00	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs185502834 S8	DIAPH1	5.59E-08	1	4.54E-05	2.68E-07	1	0.000343099
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs185759881 S7	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs186288044 S21	"PCDHGB4,PI	4.65E-07	1	0.000307369	3.29E-06	1	0.00317534
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs187000011 S11	DIAPH1	3.42E-07	1	0.000233892	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs188981295 S5	"RPS27AP10,	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs190559574 S7	DIAPH1	5.59E-08	1	4.54E-05	2.68E-07	1	0.000343099
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs191544043 S8	DIAPH1	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs191766712 S7	DIAPH1	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs192690040 S7	DIAPH1	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs192765219 S7	DIAPH1	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs192770525 S7	DIAPH1	3.42E-07	1	2.34E-04	1.53E-06	1	0.00164527
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs35990401 S7	DIAPH1	2.58E-07	1	1.80E-04	5.33E-07	1	0.000634287
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs3856797 S12	VGLL4	1.96E-05	1	8.20E-03	7.95E-07	1	0.000916008
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs55900860 S7	DIAPH1	5.59E-08	1.00E+00	4.54E-05	2.68E-07	1	0.000343099
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs57503635 S3	NA	2.81E-09	1.15E-01	2.88E-06	4.38E-17	1.78E-09	3.55E-12
phe.Fasting_rs9856270	S8	"FANCD2OS,Irs79517926 S15	"DIAPH1,LOC	7.62E-08	1.00E+00	5.96E-05	2.76E-06	1	0.00271962
phe.Fasting_rs987620	S18	NA rs77845645 S21	NA	2.03E-06	1.00E+00	1.14E-03	3.89E-14	1.58E-06	2.77E-10
phe.Fasting_rs999375	S5	MTX2 rs116011837 S9	BRD2	1.54E-05	1.00E+00	6.65E-03	5.68E-06	1	0.00508148
phe.Fasting_rs999375	S5	MTX2 rs116120727 S9	BRD2	1.54E-05	1.00E+00	6.65E-03	5.68E-06	1	0.00508148
phe.High_De rs116011837 S9		BRD2 rs10269829 S21	ZNF735	3.02E-06	1.00E+00	1.59E-03	6.73E-07	1	0.000787656
phe.High_De rs116011837 S9		BRD2 rs116722142 S21	NA	1.01E-05	1.00E+00	4.62E-03	7.93E-07	1	0.000913986
phe.High_De rs116011837 S9		BRD2 rs139785207 S21	NA	1.01E-05	1	0.00459983	8.14E-07	1	0.00093599
phe.High_De rs116011837 S9		BRD2 rs1987396 S21	ZNF679	4.61E-06	1.00E+00	2.32E-03	2.48E-07	1	0.000320956
phe.High_De rs116011837 S9		BRD2 rs282891 S21	NA	1.25E-05	1	5.55E-03	7.14E-07	1	0.000830729
phe.High_De rs116011837 S9		BRD2 rs282894 S21	LOC653435	3.69E-06	1	1.90E-03	7.77E-07	1	0.000896463
phe.High_De rs116011837 S9		BRD2 rs282895 S21	LOC653435	3.69E-06	1	0.00190376	7.77E-07	1	0.000896463
phe.High_De rs116011837 S9		BRD2 rs6460117 S21	NA	1.74E-06	1	0.000989772	7.00E-07	1	0.000815457
phe.High_De rs116011837 S9		BRD2 rs6460122 S21	VN1R38P	1.76E-06	1.00E+00	1.00E-03	3.09E-07	1	0.000388517
phe.High_De rs116011837 S9		BRD2 rs6973676 S21	NA	1.74E-06	1	9.90E-04	7.00E-07	1	0.000815457
phe.High_De rs116120727 S9		BRD2 rs10269829 S21	ZNF735	3.02E-06	1	0.0015923	6.73E-07	1	0.000787656

phe.High_De rs116120727 S9	BRD2	rs116722142 S21	NA	1.01E-05	1	0.00462253	7.93E-07	1	0.000913986
phe.High_De rs116120727 S9	BRD2	rs139785207 S21	NA	1.01E-05	1	0.00459983	8.14E-07	1	0.00093599
phe.High_De rs116120727 S9	BRD2	rs1987396 S21	ZNF679	4.61E-06	1	2.32E-03	2.48E-07	1	0.000320956
phe.High_De rs116120727 S9	BRD2	rs282891 S21	NA	1.25E-05	1	5.55E-03	7.14E-07	1	0.000830729
phe.High_De rs116120727 S9	BRD2	rs282894 S21	LOC653435	3.69E-06	1	1.90E-03	7.77E-07	1	0.000896463
phe.High_De rs116120727 S9	BRD2	rs282895 S21	LOC653435	3.69E-06	1	1.90E-03	7.77E-07	1	0.000896463
phe.High_De rs116120727 S9	BRD2	rs6460117 S21	NA	1.74E-06	1	9.90E-04	7.00E-07	1	0.000815457
phe.High_De rs116120727 S9	BRD2	rs6460122 S21	VN1R38P	1.76E-06	1	1.00E-03	3.09E-07	1	0.000388517
phe.High_De rs116120727 S9	BRD2	rs6973676 S21	NA	1.74E-06	1	9.90E-04	7.00E-07	1	0.000815457
phe.High_De rs116722142 S21	NA	rs10269829 S21	ZNF735	1.20E-09	0.0489921	1.30E-06	1.05E-05	1	0.00850454
phe.High_De rs116722142 S21	NA	rs139107543 S8	CEP250	5.46E-06	1	2.69E-03	4.32E-06	1	0.00403553
phe.High_De rs116722142 S21	NA	rs143871275 S7	CEP250	1.47E-05	1.00E+00	6.38E-03	4.52E-06	1	0.00419681
phe.High_De rs116722142 S21	NA	rs282894 S21	LOC653435	5.94E-11	2.43E-03	7.98E-08	9.50E-06	1	0.00782811
phe.High_De rs116722142 S21	NA	rs282895 S21	LOC653435	5.94E-11	2.43E-03	7.98E-08	9.50E-06	1	0.00782811
phe.High_De rs116722142 S21	NA	rs6460117 S21	NA	5.94E-11	2.43E-03	7.98E-08	9.50E-06	1	0.00782811
phe.High_De rs116722142 S21	NA	rs6460122 S21	VN1R38P	6.08E-11	2.48E-03	8.15E-08	4.19E-06	1	0.00392843
phe.High_De rs116722142 S21	NA	rs6973676 S21	NA	5.94E-11	2.43E-03	7.98E-08	9.50E-06	1	0.00782811
phe.High_De rs116722142 S21	NA	rs8119454 S7	NA	1.02E-05	1	4.67E-03	3.22E-06	1	3.11E-03
phe.High_De rs11966232 S5	ARID1B	rs61748998 S7	PEPD	1.27E-08	0.517085	1.16E-05	1.59E-08	0.648088	2.80E-05
phe.High_De rs139785207 S21	NA	rs10269829 S21	ZNF735	1.22E-09	4.98E-02	1.32E-06	1.08E-05	1	0.00872202
phe.High_De rs139785207 S21	NA	rs116722142 S21	NA	8.96E-12	3.66E-04	1.48E-08	1.10E-05	1	0.00879776
phe.High_De rs139785207 S21	NA	rs139107543 S8	CEP250	5.45E-06	1	0.00268309	4.57E-06	1	0.00423285
phe.High_De rs139785207 S21	NA	rs143871275 S7	CEP250	1.47E-05	1	6.37E-03	4.76E-06	1	4.39E-03
phe.High_De rs139785207 S21	NA	rs282894 S21	LOC653435	6.07E-11	0.00247878	8.14E-08	9.80E-06	1	8.02E-03
phe.High_De rs139785207 S21	NA	rs282895 S21	LOC653435	6.07E-11	0.00247878	8.14E-08	9.80E-06	1	8.02E-03
phe.High_De rs139785207 S21	NA	rs6460117 S21	NA	6.07E-11	0.00247878	8.14E-08	9.80E-06	1	8.02E-03
phe.High_De rs139785207 S21	NA	rs6460122 S21	VN1R38P	6.21E-11	0.00253492	8.32E-08	4.34E-06	1	4.05E-03
phe.High_De rs139785207 S21	NA	rs6973676 S21	NA	6.07E-11	0.00247878	8.14E-08	9.80E-06	1	8.02E-03
phe.High_De rs139785207 S21	NA	rs8119454 S7	NA	1.02E-05	1	4.66E-03	3.40E-06	1	3.27E-03
phe.High_De rs1987396 S21	ZNF679	rs139107543 S8	CEP250	1.15E-05	1	5.18E-03	6.18E-06	1	5.46E-03
phe.High_De rs1987396 S21	ZNF679	rs8119454 S7	NA	2.21E-05	1	9.08E-03	5.61E-06	1	5.03E-03
phe.High_De rs282891 S21	NA	rs116722142 S21	NA	2.68E-11	0.0010939	3.85E-08	1.06E-05	1	8.60E-03
phe.High_De rs282891 S21	NA	rs139107543 S8	CEP250	6.58E-07	1	4.19E-04	3.63E-06	1	3.46E-03
phe.High_De rs282891 S21	NA	rs139785207 S21	NA	2.72E-11	0.00111164	3.91E-08	1.10E-05	1	8.80E-03
phe.High_De rs282891 S21	NA	rs143871275 S7	CEP250	1.83E-06	1	1.04E-03	3.73E-06	1	3.55E-03
phe.High_De rs282891 S21	NA	rs282894 S21	LOC653435	1.62E-09	0.0661374	1.72E-06	9.50E-06	1	7.83E-03
phe.High_De rs282891 S21	NA	rs282895 S21	LOC653435	1.62E-09	6.61E-02	1.72E-06	9.50E-06	1	0.00782811
phe.High_De rs282891 S21	NA	rs6460117 S21	NA	8.81E-10	0.0359776	9.72E-07	8.46E-06	1	7.13E-03
phe.High_De rs282891 S21	NA	rs6460122 S21	VN1R38P	9.01E-10	0.0368108	9.93E-07	3.99E-06	1	0.00375787
phe.High_De rs282891 S21	NA	rs6973676 S21	NA	8.81E-10	0.0359776	9.72E-07	8.46E-06	1	0.00712749



phe.High_De rs282891	S21	NA	rs8119454	S7	NA	1.26E-06	1	7.47E-04	2.71E-06	1	2.68E-03
phe.High_De rs282894	S21	LOC653435	rs10269829	S21	ZNF735	1.22E-11	0.000497433	1.90E-08	9.66E-06	1	0.00793132
phe.High_De rs282894	S21	LOC653435	rs139107543	S8	CEP250	8.49E-06	1	3.97E-03	5.35E-06	1	4.85E-03
phe.High_De rs282894	S21	LOC653435	rs143871275	S7	CEP250	2.26E-05	1	9.27E-03	5.66E-06	1	5.07E-03
phe.High_De rs282894	S21	LOC653435	rs6460117	S21	NA	1.26E-11	0.000516427	1.97E-08	9.57E-06	1	7.88E-03
phe.High_De rs282894	S21	LOC653435	rs6460122	S21	VN1R38P	1.30E-11	0.000530076	2.02E-08	4.18E-06	1	3.91E-03
phe.High_De rs282894	S21	LOC653435	rs6973676	S21	NA	1.26E-11	0.000516427	1.97E-08	9.57E-06	1	7.88E-03
phe.High_De rs282894	S21	LOC653435	rs8119454	S7	NA	1.64E-05	1	0.0069899	3.91E-06	1	0.00369217
phe.High_De rs282895	S21	LOC653435	rs10269829	S21	ZNF735	1.22E-11	4.97E-04	1.90E-08	9.66E-06	1	0.00793132
phe.High_De rs282895	S21	LOC653435	rs139107543	S8	CEP250	8.49E-06	1	3.97E-03	5.35E-06	1	4.85E-03
phe.High_De rs282895	S21	LOC653435	rs143871275	S7	CEP250	2.26E-05	1	9.27E-03	5.66E-06	1	5.07E-03
phe.High_De rs282895	S21	LOC653435	rs282894	S21	LOC653435	1.26E-11	0.000516427	1.97E-08	9.57E-06	1	7.88E-03
phe.High_De rs282895	S21	LOC653435	rs6460117	S21	NA	1.26E-11	0.000516427	1.97E-08	9.57E-06	1	7.88E-03
phe.High_De rs282895	S21	LOC653435	rs6460122	S21	VN1R38P	1.30E-11	0.000530076	2.02E-08	4.18E-06	1	3.91E-03
phe.High_De rs282895	S21	LOC653435	rs6973676	S21	NA	1.26E-11	0.000516427	1.97E-08	9.57E-06	1	0.00788036
phe.High_De rs282895	S21	LOC653435	rs8119454	S7	NA	1.64E-05	1	6.99E-03	3.91E-06	1	3.69E-03
phe.High_De rs57987466	S2	MAPKAPK3	rs6460122	S21	VN1R38P	2.39E-05	1	9.71E-03	6.68E-06	1	5.83E-03
phe.High_De rs61032466	S17	MAPKAPK3	rs6460122	S21	VN1R38P	2.39E-05	1	0.00971356	6.68E-06	1	0.00582886
phe.High_De rs6460117	S21	NA	rs139107543	S8	CEP250	3.33E-06	1	0.00173914	4.51E-06	1	0.00418916
phe.High_De rs6460117	S21	NA	rs143871275	S7	CEP250	9.29E-06	1	4.29E-03	4.68E-06	1	4.33E-03
phe.High_De rs6460117	S21	NA	rs6460122	S21	VN1R38P	5.60E-12	0.000228631	9.87E-09	3.94E-06	1	3.71E-03
phe.High_De rs6460117	S21	NA	rs6973676	S21	NA	5.45E-12	0.000222466	9.62E-09	8.58E-06	1	7.20E-03
phe.High_De rs6460117	S21	NA	rs8119454	S7	NA	6.61E-06	1	3.19E-03	3.29E-06	1	3.18E-03
phe.High_De rs6460122	S21	VN1R38P	rs10269829	S21	ZNF735	5.43E-12	0.000221844	9.60E-09	8.04E-06	1	6.81E-03
phe.High_De rs6973676	S21	NA	rs139107543	S8	CEP250	3.33E-06	1	1.74E-03	4.51E-06	1	4.19E-03
phe.High_De rs6973676	S21	NA	rs143871275	S7	CEP250	9.29E-06	1	4.29E-03	4.68E-06	1	4.33E-03
phe.High_De rs6973676	S21	NA	rs6460122	S21	VN1R38P	5.60E-12	0.000228631	9.87E-09	3.94E-06	1	0.00371383
phe.High_De rs6973676	S21	NA	rs8119454	S7	NA	6.61E-06	1	3.19E-03	3.29E-06	1	3.18E-03
phe.High_De rs73833239	S23	DOCK3	rs6460122	S21	VN1R38P	2.17E-05	1	8.95E-03	8.21E-06	1	6.94E-03
phe.High_De rs78973717	S21	DOCK3	rs6460122	S21	VN1R38P	1.80E-05	1	7.60E-03	8.69E-06	1	7.27E-03