

Supplementary material

DNA methylation: a potential mediator between air pollution and metabolic syndrome

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Supplementary Table 1. Overview of the literature cited.

	Study	Ethnicity or Country	Study design/Study population	Methods/Tissue	Main Findings
AP and MetS	Wallwork et al [15]	Mixed	Longitudinal study/587 elderly male participants	–	Men living in areas of worse air quality (PM _{2.5} levels) showed increased risk of metabolic dysfunctions.
	Kelishadi et al [17]	East Asian	Cross-sectional study/374 children	–	Exposure to air pollutants increases the risk of underlying MetS components.
	Jiang et al [18]	Chinese	Longitudinal/371 participants	–	Long-term exposure to traffic-related air pollution may contribute to the development or exacerbation of cardio-metabolic disorders.
	Wei et al [19]	–	Murine study	–	Breathing highly polluted air resulted in weight gain and cardiorespiratory and metabolic dysfunction.
	Clementi et al [26]	USA	Review/Firefighters	–	Exposure to particulate matter provokes pulmonary and systemic inflammation.
	Eze et al [27]	Swiss	Cohort/3,769 Adults	–	Exposure to ambient air pollutants is independently associated with risk of MetS and related chronic diseases.
	Brook et al [28]	China	Cross-sectional/65 Adults	–	Exposure to ambient air pollutants (PM _{2.5}) is associated with higher blood pressure and insuline resistance.
	Poursafa et al [29]	Iran (IR)	Nationwide study/1,413 children	–	Living in areas with higher air pollution leads to higher levels of MetS components including increased systolic blood pressure, fasting blood glucose, and triglycerides, as well as lower levels of HDL-C.
	Poursafa et al [30]	Iran (IR)	Cross-sectional/186 children	–	Exposure of children to PAHs is significantly associated with triglycerides and fasting blood glucose.
Scinicariello et al [89]	USA	Cross-sectional/3,189 children	–	Urinary PAHs were associated with higher BMI, waist circumference, and obesity in children.	
	Cantone et al [51]	Italy	Candidate gene/186 obese subjects	Bisulfite pyrosequencing/Blood	Daily PM ₁₀ exposure has an inverse association with DNA methylation of inflammatory genes in healthy overweight/obese subjects.

Study	Ethnicity or Country	Study design/Study population	Methods/Tissue	Main Findings
Bind et al [56]	US Veterans	Cohort/704 elderly men	Bisulfite pyrosequencing/Blood	Traffic-related pollutants showed associations with fibrinogen, C-reactive protein, ICAM-1, and VCAM-1. DNA methylation status modified the effect, indicating a mediatory role for epigenetic states in conveying susceptibility to air pollution.
Bind et al [57]	US Veterans	Longitudinal/777 elderly men	Bisulfite pyrosequencing/Blood	Air pollution (including PM _{2.5}) exposure was associated with a left shift in the lower tails of the <i>IFN-γ</i> and <i>ICAM-1</i> methylation distributions.
Chi et al [60]	Mixed	Cross-sectional/1,207 participants	Illumina Infinium HumanMethylation450 BeadChip/Blood monocytes	Long-term PM _{2.5} exposure was significantly associated with five candidate CpGs, three of which mRNA expression of nearby genes (<i>ANKHD1</i> , <i>LGALS2</i> , and <i>ANKRD11</i>) were also significantly associated with PM _{2.5} exposure.
Plusquin et al [61]	UK	EWAS/1,235 individuals	Illumina InfiniumVR HumanMethylation 450K BeadChip/Cord blood	PM ₁₀ exposure is associated with locus-specific DNA methylation.
Sayols-Baixeras et al [62]	Spain	EWAS/630 individuals	infinium HumanMethylation450 BeadChip/Blood	Air pollution was significantly associated with 81 unique CpGs, the top two which were located in an intergenic region on chromosome 1 and in the <i>LRRC45</i> and <i>PXK</i> genes.
Gondaliaa et al [63]	Mixed	EWAS/8,397 individuals	Illumina 450K Infinium Methylation BeadChip/Blood	PM was significantly associated with DNA methylation at three CpG sites: <i>MATN4</i> , <i>ARPP21</i> , and <i>CFTR</i> .
Rossnerova et al [65]	Czech Republic	Cross-sectional/200 children	Human Methylation 27K BeadChip/Blood	~36% of CpG sites had significantly different methylation levels. A total of 58 CpGs had >10% lower methylation levels in children from polluted area.
Bellavia et al [67]	Canada	Cross-over trial/15 participants	Bisulfite PCR-Pyrosequencing/Blood	PM ₁₀ was significantly associated with lower methylation at <i>Alu</i> and <i>TLR4</i> , which were in turn associated with higher blood pressure.
Chen et al [68]	China	Randomized, double-blind crossover trial/35 students	Bisulfite PCR and pyrosequencing/Blood	Short-term exposure to PM _{2.5} was associated with rapid global DNA hypomethylation.

	Study	Ethnicity or Country	Study design/Study population	Methods/Tissue	Main Findings
AP and DNA methylation	Peng et al [69]	US Veterans	Longitudinal cohort/551 participants	Bisulfite PCR and pyrosequencing/Blood	Short- and medium-term PM _{2.5} were associated with higher fasting blood glucose. Mediation analysis indicated that part of this association was mediated by <i>ICAM-1</i> promoter methylation.
	Saenen et al [71]	Belgium	Birth cohort/361 individuals	Bisulfite-PCR-pyrosequencing/Placenta	PM _{2.5} exposure was significantly associated with lower placental <i>LEP</i> methylation.
	Salam et al [73]	Hispanic and non-Hispanic whites	Cohort/940 participants	Bisulfite PCR and pyrosequencing/Buccal cells	Short term PM _{2.5} exposure affects inducible nitric oxide synthase (iNOS) methylation.
	Tarantini et al [74]	Italy	Cross-sectional/63 steel workers	Bisulfite-pyrosequencing/Blood	Particulate air pollutants were negatively correlated with DNA methylation at <i>NOS3</i> and <i>EDN1</i> . Mediation analysis then confirmed their hypomethylation as intermediate mechanism for PM-related coagulation effects.
	Bind et al [75]	US Veterans	Longitudinal/777 elderly men	Bisulfite pyrosequencing/Blood	Increase in air pollutants concentrations was significantly associated with <i>F3</i> , <i>ICAM-1</i> , and <i>TLR-2</i> hypomethylation, and <i>IFN-γ</i> and <i>IL-6</i> hypermethylation. Ozone exposures (2-4 weeks) were negatively related to <i>ICAM-1</i> methylation and in turn to its protein level.
	Chen et al [76]	China	Longitudinal/30 retired COPD patients	Bisulfite-PCR and pyrosequencing assay/Buccal Samples	PM _{2.5} exposure and was associated with hypomethylation of <i>NOS2A</i> .
	Shi et al [77]	-	Murine study and in situ investigation	Illumina HumanMethylation450K BeadChip/Human bronchial epithelial cells	PM _{2.5} induced genome wide methylome and transcriptome alterations that could be involved in pulmonary toxicity and pathological process of respiratory disease.
	Tantoh et al [78]	Taiwanese	Cohort/948 participants	Illumina Infinium MethylationEPIC BeadChip/Blood	PM _{2.5} and smoking were independently associated with hypomethylation of <i>AHRR</i> and <i>F2LR3</i> .

Study	Ethnicity or Country	Study design/Study population	Methods/Tissue	Main Findings
Panni et al [79]	European	EWAS/2,956 participants from 3 cohorts	Illumina 450k BeadChip/Blood	Effect of PM _{2.5} pollution on DNA methylation at 12 CpG sites (<i>ACVR2B-AS1</i> , <i>ACYP2</i> , <i>C1orf212</i> , <i>F2</i> , <i>MN1</i> , <i>MSGN1</i> , <i>NEURL4</i> , <i>NSMAF</i> , <i>NXN</i> , <i>SERBP1</i> , <i>TSPYL6</i> , and <i>ZMIZ1</i>).
Dai et al [80]	Caucasians	EWAS/646 participants	Illumina 450k BeadChip/Blood	Long-term exposures to some PM _{2.5} species (Fe, Ni, V), mostly combustion emitted particles, were associated with alterations in DNA methylation in immune response genes.
Lee et al [81]	Korean	EWAS/100 individuals	Illumina 450k BeadChip/Blood	Long-term NO ₂ exposure showed significant associations (FDR<0.05) with 45 CpGs, which were enriched in cardiovascular and respiratory diseases as well as inflammatory and immune responses.
De Prins [82]	Belgium	Cross-sectional/48 adults	HPLC	Ambient air pollution is associated with lower global DNA methylation.
Xia et al [83]	China	Longitudinal/43 students	Bisulfite-PCR and pyrosequencing assay/Blood	Acute exposure to ambient ozone was associated with higher blood pressure and with increased serum levels of angiotensin-converting enzyme (ACE) and endothelin-1 (ET-1) as biomarkers of blood pressure.
Jiang et al [85]	China	Longitudinal/40 students	Bisulfite-PCR and pyrosequencing assay/Buccal Samples	Short term exposure to NO ₂ is associated with DNA methylation of two respiratory function related genes, i.e. arginase (<i>ARG2</i>) hypermethylation and inducible nitric oxide synthase (<i>NOS2A</i>) hypomethylation.
Gruzieva et al [86]	European and North American	EWAS/1,508 newborns from four birth cohort studies	Illumina 450k BeadChip/Blood	NO ₂ exposure during pregnancy showed significant associations (FDR<0.05) with DNA methylation in three CpG sites (<i>LONP1</i> , <i>HIBADH</i> , and <i>SLC25A28</i>) of the newborns. NO ₂ exposure also showed effects on <i>CAT</i> and <i>TPO</i> methylation as well as on their expression levels.
Lichtenfels et al [87]	European	EWAS/1,017 subjects from the Lifelines cohort study	Illumina 450k BeadChip/Blood	Long-term NO ₂ exposure showed significant associations with DNA methylation at seven CpG sites, two of which significantly mediated the association between NO ₂ and lung function.
Abraham et al [88]	Caucasian	EWAS/668 individuals	Illumina 450k BeadChip/Placenta	NO ₂ exposure during the pregnancy showed significant associations (FDR<0.05) with placental DNA methylation of 2 CpGs located in the <i>ADORA2B</i> gene, whose expression is associated with hypoxia and pre-eclampsia.

	Study	Ethnicity or Country	Study design/Study population	Methods/Tissue	Main Findings
AP and DNA methylation	Alegría-Torres et al [90]	México	Cross-sectional/39 individuals	Bisulfite-PCR and pyrosequencing assay/Blood	PAHs were negatively associated with DNA methylation of the interleukin 12, p53, and TNF- α gene promoters, as well as Alu sequences.
	Alvarado-Cruz et al [91]	México	Cross-sectional/108 individuals	Bisulfite-PCR and pyrosequencing assay/Blood	PM ₁₀ exposure is associated with hypermethylation of DNA-repair genes, and <i>LINE1</i> .
	Herbstman et al [92]	USA	Longitudinal/164 participants	Methylamp Global DNA Methylation Quantification Kit/Cord blood	Prenatal PAH exposure was associated with lower global methylation in umbilical cord white blood cells.
	Kim et al [93]	Korean	Cross-sectional/53 women	Bisulfite treatment and methylation-specific PCR/Visceral adipose tissue	Lipophilic PAHs might contribute to the pathogenesis of insulin resistance through methylation-mediated suppression of the <i>IRS2</i> gene.
	Lin et al [94]	China	Cross-sectional/120 individuals	Illumina 450k BeadChip/Neural tissues	Mean methylation intensity of <i>PAX3</i> gene in fetal neural tissues was positively correlated with concentrations of PAH in maternal serum.
	Li et al [95]	Chinese	Cross-sectional/989 individuals	Illumina 450k BeadChip/Blood	PAHs showed a significant association with an epigenetic predictor of accelerated aging.
DNA methylation & MetS	Baccarelli et al [66]	US Veterans	Longitudinal/712 individuals	Bisulfite-PCR and pyrosequencing assay/Blood	Individuals with lower <i>LINE-1</i> methylation were at higher risk for incident ischemic heart disease and stroke, and for total mortality.
	Wang et al [70]	African-American	EWAS/112 individuals	HumanMethylation27 BeadChip from Illumina	Differential methylation at <i>SULF1</i> gene was observed and validated in hypertensive versus normotensive individuals.
	Godfrey et al [101]	Caucasian	Cross-sectional/239 children	Sequenom MassARRAY/Umbilical cord	Retinoid X receptor- α (<i>RXRα</i>) and endothelial nitric oxide synthase (<i>eNOS</i>) methylation had independent associations with childhood fat mass.

Study	Ethnicity or Country	Study design/Study population	Methods/Tissue	Main Findings
Küpers et al [102]	Mixed	EWAS/8,825 neonates from 24 birth cohorts	Meta-analysis	DNA methylation in neonatal blood showed genome-wide significant association with birthweight at 914 sites, with a range of -183 to 178g difference in birthweight per 10% increase in methylation.
Luttmer et al [104]	Netherlands	Cross-sectional/738 individuals	Stable isotope dilution measurement of DNA 5-mc content by positive electrospray LC-MS/MS/Blood	Individuals with the metabolic syndrome had relative DNA hypomethylation compared to participants without the syndrome
Akinyemiju et al [106]	African-American	EWAS/614 individuals	Illumina HumanMethylation450K Bead Chip/Blood	MetS showed consistent association with increased methylation in the <i>ABCG1</i> gene.
Das et al [107]	European	EWAS/846 participants	Illumina HumanMethylation450K Bead Chip/Blood	Methylation at <i>CPT1A</i> was significantly associated with MetS. This finding was also replicated in African ancestry participants.
Hidalgo et al [108]	USA	EWAS/837 participants	Illumina HumanMethylation450K Bead Chip/Blood	DNA methylation of <i>ABCG1</i> gene is associated with fasting insulin.
Kulkarni et al [109]	Mexican-American	EWAS/850 individuals	Illumina HumanMethylation450K Bead Chip/Blood	DNA methylation at CpG sites mapping to three well-characterized genes (<i>TXNIP</i> , <i>ABCG1</i> and <i>SAMD12</i>) independently explained 7.8% of the heritability of type 2 diabetes.
Richard et al [110]	European, African American, and Hispanic	EWAS/17,010 individuals	Illumina HumanMethylation450K Bead Chip/Blood	31 CpGs showed significant association with blood pressure, 13 of which were independently replicated. Six of the identified CpG sites also showed significant association with gene expression (<i>TSPAN2</i> , <i>SLC7A11</i> , <i>UNC93B1</i> , <i>CPT1A</i> , <i>PTMS</i> , and <i>LPCAT3</i>).

	Study	Ethnicity or Country	Study design/Study population	Methods/Tissue	Main Findings
DNA methylation and MetS	Huang et al [111]	European and African	EWAS/4,820 individuals	Meta-analysis	34 CpGs showed significant association with blood pressure. Six of the identified CpG sites also showed significant association (FDR < 0.05) with gene expression (<i>PHGDH</i> , <i>ABCG1</i> , <i>LMNA</i> , <i>RBPMS2</i> , and <i>SLC1A5</i>). Further investigation of these CpG sites in a meta-analysis of twin cohorts suggested that the majority of correlation between DNA methylation and blood pressure can be explained by shared environmental factors.
	Walaszczyk et al [112]	Netherlands	EWAS/200 individuals	Illumina 450k BeadChip/Blood	Of the 25 previously reported CpGs for type 2 diabetes, five CpGs (in <i>ABCG1</i> , <i>LOXL2</i> , <i>TXNIP</i> , <i>SLC1A5</i> and <i>SREBF1</i>) were replicated after adjustment for multiple comparisons.
	Demerath et al [113]	African-American	EWAS/4,474 individuals	Illumina 450k BeadChip/Blood	Adiposity traits are associated with DNA methylation at numerous CpG sites that replicate across studies despite variation in tissue type, ethnicity and analytic approaches.
	Ali et al [114]	European	EWAS/1,244 individuals	Illumina 450k BeadChip/Blood	DNA methylation at 3 loci (<i>SOCS3</i> , <i>ZNF771</i> , and <i>LIMD2</i>), was associated with body mass index, central obesity, fat depots, insulin responsiveness, and plasma lipids. Among these methylation at <i>SOCS3</i> was replicated and also showed gene expression association with MetS.
	Wahl et al [115]	European and Indian Asian	EWAS/5,387 individuals	Illumina 450k BeadChip/Blood	Body mass index, a key measure of adiposity, is associated with widespread changes in DNA methylation at 187 genetic loci.
	Wang et al [116]	African-American	EWAS/700 individuals	Illumina 450k BeadChip/Blood	76 obesity-related CpG sites were identified, 54 of which were validated. Sixteen CpG sites were associated with expression of 17 genes in cis, of which 5 genes displayed differential expression between obese cases and lean controls.

AP: air pollution, MetS: metabolic syndrome, EWAS: epigenome-wide association study, PM: particulate matter, PAHs: polycyclic aromatic hydrocarbons, PCR: polymerase chain reaction.

To generate this list, we searched PubMed database with appropriate keywords:

AP: "air pollution", PM, "particulate matter", "Ozone", "NO2", "PAHs", "Polycyclic aromatic hydrocarbons"

DNA methylation: "DNA methylation", EWAS

MetS: "metabolic syndrome", Obesity, "blood pressure", glucose, triglyceride, HDL

The search was done in late 2020.

Supplementary Table 2. Measurement methods of five major air pollutants used for the calculation of the air quality index (AQI) [2].

Air pollutant	Measurement Method	Description
Ozone (O ₃)	- UV Photometric	Represents a variation of the ultraviolet (UV) photometric method, known as the “scrubberless” UV (SL-UV) method that specifies removal of O ₃ from the sampled air.
	- Chemiluminescence	Utilizes Nitric Oxide to measure ozone in the atmosphere where the reaction between ambient ozone and NO produce light proportional to the ozone concentration.
Particulate Matter (PM)	Beta attenuation monitoring (BAM)	Absorption of beta radiation by solid particles extracted from air flow.
Carbon Monoxide (CO)	Nondispersive infrared (NDIR) technique	The NDIR technique is an automated and continuous method that is based on the specific absorption of infrared radiation by the CO molecule.
Sulfur Dioxide (SO ₂)	Ultraviolet fluorescence	SO ₂ molecules absorb UV light and become excited at one wavelength, then decay to a lower energy state emitting UV light at a different wavelength.
Nitrogen Dioxide (NO ₂)	Chemiluminescence	Measurement of light produced by the gas-phase titration of nitric oxide and ozone. NO + O ₃ → NO ₂ + O ₂ + light emission.

Supplementary Table 3. The intersect of DNA methylation sites associated with air pollution (including PM, Ozone, NO₂, and PAHs) with those associated with MetS components (Obesity, blood pressure, glucose levels, triglycerides, or HDL-cholesterol). Data was retrieved from the MRC-IEU EWAS Catalog (<http://www.ewascatalog.org>), accessed 01/10/2022, and filtered based on a conservative p-value < 5x10⁻⁸.

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>LOC283050</i>	Nitrogen dioxide exposure	4.70E-10	–	29410382	Maternal overweight/obesity	1.70E-10	–	29016858
<i>RASA3</i>	Air pollution exposure, Nitrogen dioxide exposure	4.80E-10	–	26731791, 29410382	Maternal overweight/obesity, fasting glucose, Triglycerides, Triglycerides to total lipids ratio in large LDL, Triglycerides to total lipids ratio in small HDL, Triglycerides to total lipids ratio in very large HDL	1.00E-10	–	29016858, 31197173
<i>INPP5A</i>	Air pollution exposure, Nitrogen dioxide exposure	4.80E-10	–	26731791, 29410382	Maternal overweight/obesity, fasting glucose, Ratio of diacylglycerol to triglycerides	4.00E-10	–	29016858, 31197173
<i>CHD5</i>	Nitrogen dioxide exposure	4.80E-10	–	29410382	Maternal overweight/obesity, 1-hour glucose, Ratio of diacylglycerol to triglycerides	1.60E-09	–	29016858, 33151971
<i>SLC6A1</i>	Nitrogen dioxide exposure	4.80E-10	–	29410382	Maternal overweight/obesity	4.10E-08	–	29016858
<i>BCAR1</i>	Nitrogen dioxide exposure	5.00E-10	–	29410382	Maternal overweight/obesity	6.10E-10	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>KLHL29</i>	Air pollution exposure, Nitrogen dioxide exposure	5.00E-10	-	26731791, 29410382	Maternal overweight/obesity	1.90E-09	-	29016858
<i>GPR84</i>	Nitrogen dioxide exposure	5.00E-10	-	29410382	Maternal overweight/obesity	2.20E-09	-	29016858
<i>AIRE</i>	Nitrogen dioxide exposure	5.00E-10	-	29410382	Maternal overweight/obesity	3.30E-09	-	29016858
<i>ANKRD2</i>	Nitrogen dioxide exposure	5.00E-10	-	29410382	Maternal overweight/obesity	4.00E-08	-	29016858
<i>ITGB2</i>	Nitrogen dioxide exposure	5.10E-10	+	29410382	Maternal overweight/obesity	2.00E-11	+	29016858
<i>GABBR1</i>	Air pollution exposure, Nitrogen dioxide exposure	5.10E-10	-	26731791, 29410382	Maternal overweight/obesity, Triglycerides in large HDL	3.90E-11	-	29016858
<i>ZFYVE28</i>	Air pollution exposure, Nitrogen dioxide exposure	5.10E-10	-	26731791, 29410382	Maternal overweight/obesity, fasting glucose	4.20E-10	-	29016858, 31197173
<i>RTKN</i>	Nitrogen dioxide exposure	5.10E-10	-	29410382	Maternal overweight/obesity	1.20E-08	-	29016858
<i>LCE6A</i>	Nitrogen dioxide exposure	5.10E-10	-	29410382	Maternal overweight/obesity	1.20E-08	-	29016858
<i>SH3BP2</i>	Nitrogen dioxide exposure	5.10E-10	-	29410382	Maternal overweight/obesity	1.40E-08	-	29016858
<i>GPR133</i>	Nitrogen dioxide exposure	5.10E-10	-	29410382	Maternal overweight/obesity, Triglycerides in VLDL	2.30E-08	-	29016858
<i>C4orf44</i>	Nitrogen dioxide exposure	5.20E-10	-	29410382	Maternal overweight/obesity	1.60E-09	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>HIVEP3</i>	Nitrogen dioxide exposure	5.20E-10	–	29410382	Maternal overweight/obesity, Diastolic Blood Pressure, Systolic Blood Pressure, fasting glucose, 1-hour glucose	3.00E-09	–	29016858, 29198723, 31197173, 33151971
<i>VPS37C</i>	Nitrogen dioxide exposure	5.20E-10	–	29410382	Maternal overweight/obesity	1.10E-08	–	29016858
<i>ERAL1</i>	Nitrogen dioxide exposure	5.30E-10	–	29410382	Maternal overweight/obesity	9.60E-12	–	29016858
<i>RNF213</i>	Nitrogen dioxide exposure	5.30E-10	–	29410382	Maternal overweight/obesity	5.60E-10	–	29016858
<i>DLL4</i>	Nitrogen dioxide exposure	5.30E-10	–	29410382	Maternal overweight/obesity	2.10E-08	–	29016858
<i>NOS3</i>	Nitrogen dioxide exposure	5.40E-10	–	29410382	Maternal overweight/obesity	3.70E-10	–	29016858
<i>SMYD3</i>	Air pollution exposure, Nitrogen dioxide exposure	5.40E-10	–	26731791, 29410382	Maternal overweight/obesity	6.30E-10	–	29016858
<i>NOTCH4</i>	Nitrogen dioxide exposure, Particulate matter <2.5um (PM2.5)	5.40E-10	–	29410382, 31148503	Maternal overweight/obesity, Triglycerides to total lipids ratio in very large HDL	7.70E-10	–	29016858
<i>ZBTB7C</i>	Nitrogen dioxide exposure	5.40E-10	–	29410382	Maternal overweight/obesity	8.00E-10	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>TSNARE1</i>	Air pollution exposure, Nitrogen dioxide exposure	5.50E-10	–	26731791, 29410382	Maternal overweight/obesity, 1-hour glucose, Triglycerides to total lipids ratio in chylomicrons and XXL-VLDL, Triglycerides to total lipids ratio in very large HDL	8.80E-10	–	29016858, 33151971
<i>SH3BP4</i>	Nitrogen dioxide exposure	5.50E-10	–	29410382	Maternal overweight/obesity	3.50E-09	–	29016858
<i>GALNTL2</i>	Nitrogen dioxide exposure	5.50E-10	–	29410382	Maternal overweight/obesity	3.90E-09	–	29016858
<i>GPC1</i>	Nitrogen dioxide exposure	5.50E-10	–	29410382	Maternal overweight/obesity	8.90E-09	–	29016858
<i>TSPAN9</i>	Nitrogen dioxide exposure	5.50E-10	–	29410382	Maternal overweight/obesity	3.70E-08	–	29016858
<i>CCDC21;SH3BGRL3</i>	Nitrogen dioxide exposure	5.60E-10	–	29410382	Maternal overweight/obesity	2.00E-10	–	29016858
<i>DNAJA4</i>	Nitrogen dioxide exposure	5.60E-10	–	29410382	Maternal overweight/obesity	9.90E-10	–	29016858
<i>SPERT</i>	Nitrogen dioxide exposure	5.60E-10	–	29410382	Maternal overweight/obesity	3.10E-09	–	29016858
<i>P2RX3</i>	Nitrogen dioxide exposure	5.60E-10	–	29410382	Maternal overweight/obesity	3.40E-08	–	29016858
<i>ABR</i>	Air pollution exposure, Nitrogen dioxide exposure	5.70E-10	–	26731791, 29410382	Maternal overweight/obesity	8.70E-12	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>PRDM16</i>	Air pollution exposure, Nitrogen dioxide exposure	5.70E-10	–	26731791, 29410382	Maternal overweight/obesity, Diastolic Blood Pressure, Systolic Blood Pressure, fasting glucose, Triglycerides to total lipids ratio in small VLDL	2.40E-11	–	29016858, 29198723, 31197173
<i>KIAA1026</i>	Air pollution exposure, Nitrogen dioxide exposure	5.70E-10	–	26731791, 29410382	Maternal overweight/obesity, fasting glucose	1.00E-10	–	29016858, 31197173
<i>SH3PXD2A</i>	Air pollution exposure, Nitrogen dioxide exposure	5.70E-10	–	26731791, 29410382	Maternal overweight/obesity	5.70E-10	–	29016858
<i>TRIM26</i>	Air pollution exposure, Nitrogen dioxide exposure	5.70E-10	–	26731791, 29410382	Maternal overweight/obesity, Triglycerides, Ratio of triglycerides to phosphoglycerides	9.30E-10	–	29016858, 31910897
<i>NOTCH1</i>	Nitrogen dioxide exposure	5.70E-10	–	29410382	Maternal overweight/obesity	8.40E-09	–	29016858
<i>RILP</i>	Nitrogen dioxide exposure	5.80E-10	–	29410382	Maternal overweight/obesity, Serum total triglycerides, Triglycerides in HDL, Triglycerides in medium HDL, Triglycerides in VLDL	9.80E-10	–	29016858
<i>SLC8A1</i>	Nitrogen dioxide exposure	5.80E-10	–	29410382	Maternal overweight/obesity	2.30E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>ABHD6</i>	Nitrogen dioxide exposure	5.80E-10	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>PTPRN2</i>	Air pollution exposure, Nitrogen dioxide exposure	5.90E-10	–	26731791, 29410382	Maternal overweight/obesity	2.00E-12	–	29016858
<i>WNT2B</i>	Air pollution exposure, Nitrogen dioxide exposure	5.90E-10	–	26731791, 29410382	Maternal overweight/obesity	4.60E-10	–	29016858
<i>TSSC1</i>	Air pollution exposure, Nitrogen dioxide exposure	5.90E-10	–	26731791, 29410382	Maternal overweight/obesity, fasting glucose	5.90E-10	–	29016858, 31197173
<i>ROR1</i>	Nitrogen dioxide exposure	5.90E-10	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>HEPACAM</i>	Nitrogen dioxide exposure	5.90E-10	–	29410382	Maternal overweight/obesity	2.10E-08	–	29016858
<i>RASGRF2</i>	Air pollution exposure, Nitrogen dioxide exposure	5.90E-10	–	26731791, 29410382	Maternal overweight/obesity	2.90E-08	–	29016858
<i>CABP1</i>	Nitrogen dioxide exposure	6.00E-10	–	29410382	Maternal overweight/obesity	2.20E-10	–	29016858
<i>DAPK1</i>	Nitrogen dioxide exposure	6.00E-10	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in very large HDL	2.80E-09	–	29016858
<i>COL11A2</i>	Air pollution exposure, Nitrogen dioxide exposure	6.00E-10	–	26731791, 29410382	Maternal overweight/obesity	3.40E-09	–	29016858
<i>FABP6</i>	Nitrogen dioxide exposure	6.00E-10	–	29410382	Maternal overweight/obesity	2.60E-08	–	29016858
<i>TMEM38A</i>	Nitrogen dioxide exposure	6.10E-10	–	29410382	Maternal overweight/obesity	2.10E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>KIRREL3</i>	Nitrogen dioxide exposure	6.30E-10	–	29410382	Maternal overweight/obesity	1.30E-10	–	29016858
<i>SEMA6A</i>	Air pollution exposure, Nitrogen dioxide exposure	6.30E-10	–	26731791, 29410382	Maternal overweight/obesity, 1-hour glucose	5.90E-10	–	29016858, 33151971
<i>SPTBN1</i>	Air pollution exposure, Nitrogen dioxide exposure	6.30E-10	–	26731791, 29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in medium VLDL	1.80E-09	–	29016858
<i>EPHA2</i>	Nitrogen dioxide exposure	6.40E-10	–	29410382	Maternal overweight/obesity, Triglycerides in chylomicrons and extremely large VLDL	1.60E-13	–	29016858
<i>CACNA2D3</i>	Nitrogen dioxide exposure	6.50E-10	–	29410382	Maternal overweight/obesity	3.40E-09	–	29016858
<i>ART1</i>	Nitrogen dioxide exposure	6.50E-10	–	29410382	Maternal overweight/obesity	4.20E-08	–	29016858
<i>LDB2</i>	Nitrogen dioxide exposure	6.60E-10	–	29410382	Maternal overweight/obesity	6.30E-12	–	29016858
<i>MCF2L</i>	Air pollution exposure, Nitrogen dioxide exposure	6.60E-10	–	26731791, 29410382	Maternal overweight/obesity	3.10E-10	–	29016858
<i>RD3</i>	Nitrogen dioxide exposure	6.60E-10	–	29410382	Maternal overweight/obesity	2.90E-09	–	29016858
<i>CHRNA7</i>	Nitrogen dioxide exposure	6.60E-10	–	29410382	Maternal overweight/obesity, 1-hour glucose	3.20E-09	–	29016858, 33151971

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>CDC42BPB</i>	Nitrogen dioxide exposure	6.60E-10	-	29410382	Maternal overweight/obesity, Systolic Blood Pressure, 1-hour glucose, Triglycerides in chylomicrons and extremely large VLDL	4.60E-09	-	29016858, 32520614, 33151971
<i>CLCN1</i>	Nitrogen dioxide exposure	6.70E-10	-	29410382	Maternal overweight/obesity	2.80E-10	-	29016858
<i>ABCA4</i>	Nitrogen dioxide exposure	6.80E-10	-	29410382	Maternal overweight/obesity, fasting glucose	2.30E-11	-	29016858, 31197173
<i>C6orf25</i>	Nitrogen dioxide exposure	6.80E-10	-	29410382	Maternal overweight/obesity	4.80E-10	-	29016858
<i>LPCAT1</i>	Nitrogen dioxide exposure	6.80E-10	-	29410382	Maternal overweight/obesity	9.40E-10	-	29016858
<i>CASP9</i>	Nitrogen dioxide exposure	6.80E-10	-	29410382	Maternal overweight/obesity	8.20E-09	-	29016858
<i>ZAP70</i>	Nitrogen dioxide exposure	6.80E-10	-	29410382	Maternal overweight/obesity, fasting glucose	3.50E-08	-	29016858, 31197173
<i>FRMD1</i>	Nitrogen dioxide exposure	6.90E-10	-	29410382	Maternal overweight/obesity	5.30E-10	-	29016858
<i>COL6A3</i>	Nitrogen dioxide exposure	7.00E-10	-	29410382	Maternal overweight/obesity	1.40E-10	-	29016858
<i>KCNAB2</i>	Air pollution exposure, Nitrogen dioxide exposure	7.00E-10	-	26731791, 29410382	Maternal overweight/obesity	1.90E-09	-	29016858
<i>DEGS1</i>	Nitrogen dioxide exposure	7.00E-10	+	29410382	Maternal overweight/obesity	5.80E-09	+	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>PLEKHG3</i>	Nitrogen dioxide exposure	7.00E-10	–	29410382	Maternal overweight/obesity, fasting glucose	8.90E-09	–	29016858, 31197173
<i>MEGF8</i>	Nitrogen dioxide exposure	7.00E-10	–	29410382	Maternal overweight/obesity	1.20E-08	–	29016858
<i>CTRB2</i>	Nitrogen dioxide exposure	7.10E-10	–	29410382	Maternal overweight/obesity	2.10E-09	–	29016858
<i>PDZRN3</i>	Air pollution exposure, Nitrogen dioxide exposure	7.10E-10	–	26731791, 29410382	Maternal overweight/obesity	8.40E-09	–	29016858
<i>CAPN5</i>	Nitrogen dioxide exposure	7.10E-10	–	29410382	Maternal overweight/obesity	3.40E-08	–	29016858
<i>PSORS1C1</i>	Nitrogen dioxide exposure	7.20E-10	–	29410382	Maternal overweight/obesity	2.00E-09	–	29016858
<i>PDGFRB</i>	Nitrogen dioxide exposure	7.20E-10	–	29410382	Maternal overweight/obesity	5.60E-09	–	29016858
<i>NTN1</i>	Nitrogen dioxide exposure	7.20E-10	–	29410382	Maternal overweight/obesity	9.00E-09	–	29016858
<i>B4GALNT3</i>	Nitrogen dioxide exposure	7.20E-10	–	29410382	Maternal overweight/obesity	1.60E-08	–	29016858
<i>TRIM29</i>	Nitrogen dioxide exposure	7.20E-10	–	29410382	Maternal overweight/obesity	3.70E-08	–	29016858
<i>ADAM11</i>	Nitrogen dioxide exposure	7.20E-10	–	29410382	Maternal overweight/obesity	4.50E-08	–	29016858
<i>MICAL2</i>	Nitrogen dioxide exposure	7.30E-10	–	29410382	Maternal overweight/obesity	7.50E-11	–	29016858
<i>SHANK2</i>	Nitrogen dioxide exposure	7.30E-10	–	29410382	Maternal overweight/obesity	7.20E-10	–	29016858
<i>RPH3A</i>	Air pollution exposure, Nitrogen dioxide exposure	7.30E-10	–	26731791, 29410382	Maternal overweight/obesity	2.70E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>DIP2C</i>	Nitrogen dioxide exposure	7.40E-10	-	29410382	Maternal overweight/obesity, Triglycerides, Glucose, Triglycerides in medium HDL, Triglycerides to total lipids ratio in medium VLDL	3.20E-12	-	29016858, 31910897
<i>RAPGEF4</i>	Nitrogen dioxide exposure	7.40E-10	-	29410382	Maternal overweight/obesity	1.10E-09	-	29016858
<i>BAHCC1</i>	Nitrogen dioxide exposure	7.40E-10	+	29410382	Maternal overweight/obesity, fasting glucose	1.40E-09	-	29016858, 31197173
<i>PPT2;PRRT1</i>	Nitrogen dioxide exposure	7.50E-10	-	29410382	Maternal overweight/obesity	4.30E-11	-	29016858
<i>ZFPM1</i>	Air pollution exposure, Nitrogen dioxide exposure	7.50E-10	-	26731791, 29410382	Maternal overweight/obesity	9.40E-10	-	29016858
<i>RPS6KA2</i>	Nitrogen dioxide exposure	7.50E-10	-	29410382	Serum triglycerides, Maternal overweight/obesity, Triglycerides to total lipids ratio in large HDL	2.10E-09	-	28213390, 29016858
<i>ALDOC</i>	Nitrogen dioxide exposure	7.60E-10	-	29410382	Maternal overweight/obesity	3.20E-10	-	29016858
<i>TEX101</i>	Nitrogen dioxide exposure	7.60E-10	-	29410382	Maternal overweight/obesity	6.20E-10	-	29016858
<i>TRPM8</i>	Nitrogen dioxide exposure	7.60E-10	-	29410382	Maternal overweight/obesity	1.50E-08	-	29016858
<i>MFSD10</i>	Nitrogen dioxide exposure	7.60E-10	+	29410382	Maternal overweight/obesity	3.10E-08	+	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>KLHL30</i>	Nitrogen dioxide exposure	7.70E-10	-	29410382	Maternal overweight/obesity	7.50E-10	-	29016858
<i>CORO1A</i>	Nitrogen dioxide exposure	7.70E-10	+	29410382	Maternal overweight/obesity, Triglycerides in small LDL, Triglycerides to total lipids ratio in small LDL	7.80E-10	+	29016858
<i>NPTX2</i>	Air pollution exposure, Nitrogen dioxide exposure	7.70E-10	-	26731791, 29410382	Maternal overweight/obesity	1.90E-09	-	29016858
<i>MAD1L1</i>	Air pollution exposure, Nitrogen dioxide exposure, Particulate matter air pollution	7.80E-10	-	26731791, 29410382, 32484729	Maternal overweight/obesity, fasting glucose, 1-hour glucose, 2-hour glucose, Ratio of diacylglycerol to triglycerides, Triglycerides in large HDL, Triglycerides in small LDL	1.40E-11	-	29016858, 31197173, 33151971
<i>AGRN</i>	Air pollution exposure, Nitrogen dioxide exposure	7.80E-10	-	26731791, 29410382	Maternal overweight/obesity	1.70E-11	-	29016858
<i>KIAA0802</i>	Nitrogen dioxide exposure	7.80E-10	-	29410382	Maternal overweight/obesity	1.60E-09	-	29016858
<i>PDE2A</i>	Air pollution exposure, Nitrogen dioxide exposure	7.80E-10	-	26731791, 29410382	Maternal overweight/obesity, 1-hour glucose	2.80E-09	-	29016858, 33151971

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>FAM53A</i>	Nitrogen dioxide exposure	7.80E-10	-	29410382	Maternal overweight/obesity, Ratio of triglycerides to phosphoglycerides, Triglycerides to total lipids ratio in large HDL, Triglycerides to total lipids ratio in medium HDL, Triglycerides to total lipids ratio in small HDL, Triglycerides to total lipids ratio in very large HDL	4.70E-09	-	29016858
<i>APOA4</i>	Air pollution exposure, Nitrogen dioxide exposure	7.80E-10	-	26731791, 29410382	Maternal overweight/obesity	8.00E-09	-	29016858
<i>HLA-DQB2</i>	Nitrogen dioxide exposure	7.80E-10	-	29410382	Maternal overweight/obesity	3.00E-08	-	29016858
<i>FYB</i>	Nitrogen dioxide exposure	7.90E-10	+	29410382	Maternal overweight/obesity	9.60E-13	+	29016858
<i>FZD3</i>	Nitrogen dioxide exposure	7.90E-10	-	29410382	Maternal overweight/obesity	5.80E-09	-	29016858
<i>CD80</i>	Nitrogen dioxide exposure	7.90E-10	-	29410382	Maternal overweight/obesity	1.60E-08	-	29016858
<i>PSORS1C1;P SORS1C2</i>	Nitrogen dioxide exposure	7.90E-10	-	29410382	Maternal overweight/obesity	1.80E-08	-	29016858
<i>ANKRD9</i>	Nitrogen dioxide exposure	7.90E-10	-	29410382	Maternal overweight/obesity	4.00E-08	-	29016858
<i>NXNL1</i>	Nitrogen dioxide exposure	8.00E-10	-	29410382	Maternal overweight/obesity	1.60E-08	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>INF2</i>	Nitrogen dioxide exposure	8.10E-10	–	29410382	Maternal overweight/obesity	5.00E-12	–	29016858
<i>CALML6</i>	Nitrogen dioxide exposure	8.10E-10	–	29410382	Maternal overweight/obesity	5.90E-11	–	29016858
<i>PRSS36</i>	Air pollution exposure, Nitrogen dioxide exposure	8.10E-10	–	26731791, 29410382	Maternal overweight/obesity	4.20E-09	–	29016858
<i>MGST2</i>	Nitrogen dioxide exposure	8.10E-10	–	29410382	Maternal overweight/obesity	7.30E-09	–	29016858
<i>ENPP7</i>	Nitrogen dioxide exposure	8.10E-10	–	29410382	Maternal overweight/obesity	7.90E-09	–	29016858
<i>MIR548I2</i>	Nitrogen dioxide exposure	8.10E-10	–	29410382	Maternal overweight/obesity	2.20E-08	–	29016858
<i>KRBA2</i>	Nitrogen dioxide exposure	8.20E-10	–	29410382	Maternal overweight/obesity	2.20E-11	–	29016858
<i>NUAK1</i>	Nitrogen dioxide exposure	8.20E-10	–	29410382	Maternal overweight/obesity	3.40E-09	–	29016858
<i>APBA2</i>	Nitrogen dioxide exposure	8.20E-10	–	29410382	Maternal overweight/obesity	3.80E-09	–	29016858
<i>CDK5</i>	Nitrogen dioxide exposure	8.20E-10	–	29410382	Maternal overweight/obesity	3.50E-08	–	29016858
<i>SMYD1</i>	Nitrogen dioxide exposure	8.30E-10	–	29410382	Maternal overweight/obesity	4.40E-10	–	29016858
<i>SLC6A19</i>	Nitrogen dioxide exposure	8.30E-10	–	29410382	Maternal overweight/obesity	9.80E-10	–	29016858
<i>GNAO1</i>	Nitrogen dioxide exposure	8.30E-10	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>GPT</i>	Nitrogen dioxide exposure	8.30E-10	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>IL17REL</i>	Nitrogen dioxide exposure	8.30E-10	–	29410382	Maternal overweight/obesity	1.40E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>C11orf16</i>	Nitrogen dioxide exposure	8.30E-10	–	29410382	Maternal overweight/obesity	1.80E-08	–	29016858
<i>GLI2</i>	Nitrogen dioxide exposure	8.30E-10	–	29410382	Maternal overweight/obesity	2.80E-08	–	29016858
<i>SLC4A7</i>	Nitrogen dioxide exposure	8.60E-10	–	29410382	Maternal overweight/obesity	1.90E-13	–	29016858
<i>PFKP</i>	Nitrogen dioxide exposure	8.60E-10	–	29410382	Maternal overweight/obesity, Triglycerides in small HDL	6.60E-09	–	29016858
<i>SNX29</i>	Nitrogen dioxide exposure	8.60E-10	–	29410382	Maternal overweight/obesity, Triglycerides	9.30E-09	–	29016858, 31910897
<i>SORBS2</i>	Nitrogen dioxide exposure	8.60E-10	–	29410382	Maternal overweight/obesity	4.20E-08	–	29016858
<i>ALDH3A1</i>	Nitrogen dioxide exposure	8.70E-10	–	29410382	Maternal overweight/obesity	7.40E-09	–	29016858
<i>C1orf177</i>	Nitrogen dioxide exposure	8.70E-10	–	29410382	Maternal overweight/obesity, fasting glucose	1.80E-08	–	29016858, 31197173
<i>CCHCR1</i>	Nitrogen dioxide exposure	8.70E-10	–	29410382	Maternal overweight/obesity	2.50E-08	–	29016858
<i>OBSCN</i>	Nitrogen dioxide exposure	8.80E-10	–	29410382	Maternal overweight/obesity, Triglycerides in very large HDL	1.70E-09	–	29016858
<i>SDK2</i>	Nitrogen dioxide exposure	8.90E-10	–	29410382	Maternal overweight/obesity	3.50E-11	–	29016858
<i>ABCA3</i>	Air pollution exposure, Nitrogen dioxide exposure	8.90E-10	–	26731791, 29410382	Maternal overweight/obesity	3.60E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>CACNA2D4</i>	Nitrogen dioxide exposure	8.90E-10	–	29410382	Maternal overweight/obesity	9.40E-09	–	29016858
<i>BCL11A</i>	Air pollution exposure, Prenatal NO2 exposure, Nitrogen dioxide exposure	9.00E-10	–	26731791, 27448387, 29410382	Maternal overweight/obesity	2.60E-09	–	29016858
<i>FFAR1</i>	Nitrogen dioxide exposure	9.10E-10	–	29410382	Maternal overweight/obesity	2.70E-10	–	29016858
<i>ADAMTS2</i>	Air pollution exposure, Nitrogen dioxide exposure	9.10E-10	–	26731791, 29410382	Maternal overweight/obesity	7.90E-09	–	29016858
<i>MSLNL</i>	Nitrogen dioxide exposure	9.10E-10	–	29410382	Maternal overweight/obesity	2.20E-08	–	29016858
<i>NECAB3;C2 Orf134</i>	Nitrogen dioxide exposure	9.20E-10	–	29410382	Maternal overweight/obesity	6.40E-10	–	29016858
<i>GPR152</i>	Nitrogen dioxide exposure	9.20E-10	–	29410382	Maternal overweight/obesity	1.50E-08	–	29016858
<i>KIF3C</i>	Nitrogen dioxide exposure	9.30E-10	–	29410382	Maternal overweight/obesity	4.50E-10	–	29016858
<i>EFCAB4B</i>	Nitrogen dioxide exposure	9.30E-10	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>RAB11FIP3</i>	Air pollution exposure, Nitrogen dioxide exposure	9.30E-10	–	26731791, 29410382	Maternal overweight/obesity, fasting glucose, Diastolic blood pressure	2.40E-08	–	29016858, 31197173
<i>SCN4B</i>	Nitrogen dioxide exposure	9.40E-10	–	29410382	Maternal overweight/obesity, Ratio of triglycerides to phosphoglycerides,	4.20E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
					Triglycerides in small VLDL			
<i>MAG</i>	Nitrogen dioxide exposure	9.50E-10	–	29410382	Maternal overweight/obesity	1.40E-09	–	29016858
<i>PIK3C2B</i>	Nitrogen dioxide exposure	9.50E-10	–	29410382	Maternal overweight/obesity	2.70E-08	–	29016858
<i>PKLR</i>	Nitrogen dioxide exposure	9.50E-10	–	29410382	Maternal overweight/obesity	4.40E-08	–	29016858
<i>TNN</i>	Nitrogen dioxide exposure	9.60E-10	–	29410382	Maternal overweight/obesity	2.80E-08	–	29016858
<i>ZSCAN10</i>	Air pollution exposure, Nitrogen dioxide exposure	9.70E-10	–	26731791, 29410382	Maternal overweight/obesity	4.90E-08	–	29016858
<i>KRT13</i>	Nitrogen dioxide exposure	9.80E-10	–	29410382	Maternal overweight/obesity, 1-hour glucose	1.50E-11	–	29016858, 33151971
<i>IL17RC</i>	Nitrogen dioxide exposure	9.80E-10	–	29410382	Maternal overweight/obesity	2.60E-09	–	29016858
<i>OBSL1</i>	Air pollution exposure, Nitrogen dioxide exposure	9.90E-10	–	26731791, 29410382	Maternal overweight/obesity	4.60E-09	–	29016858
<i>RAPSN</i>	Nitrogen dioxide exposure	1.00E-09	–	29410382	Maternal overweight/obesity	1.00E-10	–	29016858
<i>WBSCR17</i>	Nitrogen dioxide exposure	1.00E-09	–	29410382	Maternal overweight/obesity	1.20E-09	–	29016858
<i>LOC389333</i>	Nitrogen dioxide exposure	1.00E-09	–	29410382	Maternal overweight/obesity	1.60E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>CHD3;SCAR NA21</i>	Nitrogen dioxide exposure	1.00E-09	–	29410382	Maternal overweight/obesity	2.50E-09	–	29016858
<i>RTEL1</i>	Nitrogen dioxide exposure	1.00E-09	–	29410382	Maternal overweight/obesity	2.90E-09	–	29016858
<i>DLG2</i>	Nitrogen dioxide exposure	1.00E-09	–	29410382	Maternal overweight/obesity	4.30E-09	–	29016858
<i>TRAM2</i>	Nitrogen dioxide exposure	1.00E-09	–	29410382	Maternal overweight/obesity, Ratio of diacylglycerol to triglycerides	6.60E-09	–	29016858
<i>FGFR1</i>	Nitrogen dioxide exposure	1.00E-09	–	29410382	Maternal overweight/obesity, Diastolic blood pressure	9.90E-09	–	29016858
<i>KDM2B</i>	Nitrogen dioxide exposure	1.00E-09	–	29410382	Maternal overweight/obesity, Serum total triglycerides, Triglycerides, Triglycerides in medium VLDL, Triglycerides in small VLDL, Triglycerides in VLDL	1.20E-08	–	29016858
<i>EHMT2</i>	Air pollution exposure, Nitrogen dioxide exposure	1.00E-09	–	26731791, 29410382	Maternal overweight/obesity	1.60E-08	–	29016858
<i>MOCS1</i>	Nitrogen dioxide exposure	1.00E-09	–	29410382	Maternal overweight/obesity	1.70E-08	–	29016858
<i>ACRBP</i>	Nitrogen dioxide exposure	1.00E-09	–	29410382	Maternal overweight/obesity	1.90E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>SLCO3A1</i>	Nitrogen dioxide exposure	1.10E-09	–	29410382	Maternal overweight/obesity, fasting glucose, Triglycerides in small VLDL	6.20E-13	–	29016858, 31197173
<i>EPB49</i>	Nitrogen dioxide exposure	1.10E-09	–	29410382	Maternal overweight/obesity	5.20E-12	–	29016858
<i>MRVII</i>	Nitrogen dioxide exposure	1.10E-09	–	29410382	Maternal overweight/obesity	9.70E-11	–	29016858
<i>GPR37L1</i>	Nitrogen dioxide exposure	1.10E-09	–	29410382	Maternal overweight/obesity	1.40E-10	–	29016858
<i>MYT1L</i>	Air pollution exposure, Nitrogen dioxide exposure, Particulate matter air pollution	1.10E-09	–	26731791, 29410382, 32484729	Maternal overweight/obesity	8.50E-10	–	29016858
<i>KCNJ6</i>	Nitrogen dioxide exposure	1.10E-09	–	29410382	Maternal overweight/obesity	2.30E-09	–	29016858
<i>HIP1R</i>	Nitrogen dioxide exposure	1.10E-09	–	29410382	Maternal overweight/obesity	2.40E-09	–	29016858
<i>HRNBP3</i>	Nitrogen dioxide exposure, Particulate matter air pollution	1.10E-09	–	29410382, 32484729	Maternal overweight/obesity	2.60E-09	–	29016858
<i>CACNA1C</i>	Air pollution exposure, Nitrogen dioxide exposure	1.10E-09	–	26731791, 29410382	Maternal overweight/obesity, Triglycerides	3.10E-09	–	29016858, 31910897
<i>C10orf116</i>	Nitrogen dioxide exposure	1.10E-09	–	29410382	Maternal overweight/obesity	6.20E-09	–	29016858
<i>CAPN13</i>	Nitrogen dioxide exposure	1.10E-09	–	29410382	Maternal overweight/obesity	7.20E-09	–	29016858
<i>CDGAP</i>	Nitrogen dioxide exposure	1.10E-09	–	29410382	Maternal overweight/obesity	8.70E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>PTPRS</i>	Nitrogen dioxide exposure	1.10E-09	-	29410382	Maternal overweight/obesity	9.50E-09	-	29016858
<i>PLXNA2</i>	Nitrogen dioxide exposure	1.10E-09	-	29410382	Maternal overweight/obesity, Glucose	1.50E-08	-	29016858
<i>CAMSAP1</i>	Nitrogen dioxide exposure	1.10E-09	-	29410382	Maternal overweight/obesity	2.30E-08	-	29016858
<i>STOX2</i>	Nitrogen dioxide exposure	1.10E-09	-	29410382	Maternal overweight/obesity	2.30E-08	-	29016858
<i>POU6F1</i>	Nitrogen dioxide exposure	1.10E-09	-	29410382	Maternal overweight/obesity	2.90E-08	-	29016858
<i>SERINC2</i>	Air pollution exposure, Nitrogen dioxide exposure	1.10E-09	+	26731791, 29410382	Maternal overweight/obesity	4.30E-08	+	29016858
<i>SEPT9</i>	Nitrogen dioxide exposure	1.20E-09	-	29410382	Maternal overweight/obesity	5.80E-11	-	29016858
<i>IGFN1</i>	Nitrogen dioxide exposure	1.20E-09	-	29410382	Maternal overweight/obesity	6.50E-11	-	29016858
<i>C6orf10</i>	Nitrogen dioxide exposure	1.20E-09	-	29410382	Maternal overweight/obesity	1.60E-10	-	29016858
<i>TNXB</i>	Air pollution exposure, Nitrogen dioxide exposure	1.20E-09	-	26731791, 29410382	Maternal overweight/obesity, Glucose, Triglycerides to total lipids ratio in chylomicrons and XXL-VLDL	2.40E-10	-	29016858
<i>TAP1</i>	Nitrogen dioxide exposure	1.20E-09	-	29410382	Maternal overweight/obesity	4.40E-10	-	29016858
<i>PPYR1</i>	Nitrogen dioxide exposure	1.20E-09	-	29410382	Maternal overweight/obesity	8.20E-10	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>FAM83A</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in large LDL, Triglycerides to total lipids ratio in medium LDL, Triglycerides to total lipids ratio in small LDL	1.00E-09	–	29016858
<i>FLJ45079</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity	2.20E-09	–	29016858
<i>SRC</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity	2.30E-09	–	29016858
<i>HOMER2</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity, Triglycerides in HDL, Triglycerides in IDL, Triglycerides in medium HDL, Triglycerides in small HDL, Triglycerides in small LDL	2.80E-09	–	29016858
<i>ASB2</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity	5.10E-09	–	29016858
<i>C10orf90</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity	7.50E-09	–	29016858
<i>C1orf175</i>	Air pollution exposure, Nitrogen dioxide exposure	1.20E-09	–	26731791, 29410382	Maternal overweight/obesity	1.20E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>RICH2</i>	Air pollution exposure, Nitrogen dioxide exposure	1.20E-09	–	26731791, 29410382	Maternal overweight/obesity	1.50E-08	–	29016858
<i>SIPAIL2</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity, Triglycerides in very small VLDL	1.80E-08	–	29016858
<i>THSD4</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity	2.50E-08	–	29016858
<i>GALNT9;LO C100130238</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity, Glucose	2.70E-08	–	29016858
<i>FAM176A</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity	3.30E-08	–	29016858
<i>MDFI</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity	3.50E-08	–	29016858
<i>D2HGDH</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity, Ratio of diacylglycerol to triglycerides	3.90E-08	–	29016858
<i>C1orf210</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity	4.10E-08	–	29016858
<i>NLRP10</i>	Nitrogen dioxide exposure	1.20E-09	–	29410382	Maternal overweight/obesity	4.90E-08	–	29016858
<i>AQP1</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	4.30E-11	–	29016858
<i>MAML3</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose, Triglycerides to total lipids ratio in	4.80E-11	–	29016858, 33151971

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
					chylomicrons and XXL-VLDL			
<i>EIF4G1</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	5.10E-11	–	29016858
<i>ATP10A</i>	Air pollution exposure, Nitrogen dioxide exposure	1.30E-09	–	26731791, 29410382	Maternal overweight/obesity	1.80E-10	–	29016858
<i>MRAS</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	3.00E-10	–	29016858
<i>GRM6</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	6.70E-10	–	29016858
<i>CDK18</i>	Air pollution exposure, Nitrogen dioxide exposure	1.30E-09	–	26731791, 29410382	Maternal overweight/obesity	7.50E-10	–	29016858
<i>GNG7</i>	Air pollution exposure, Nitrogen dioxide exposure	1.30E-09	–	26731791, 29410382	Maternal overweight/obesity, Triglycerides in large HDL, Triglycerides to total lipids ratio in very large VLDL	9.00E-10	–	29016858
<i>NCRNA00171</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	1.40E-09	–	29016858
<i>ZNF593</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	1.80E-09	–	29016858
<i>TACC2</i>	Air pollution exposure, Nitrogen dioxide exposure	1.30E-09	–	26731791, 29410382	Maternal overweight/obesity	2.10E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>UST</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	3.40E-09	–	29016858
<i>LY6G6C</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	4.80E-09	–	29016858
<i>ARHGEF3</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	5.70E-09	–	29016858
<i>RNASE7</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	6.10E-09	–	29016858
<i>MX1</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	9.80E-09	–	29016858
<i>DOK7</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in very large HDL	1.30E-08	–	29016858
<i>C14orf181</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	1.90E-08	–	29016858
<i>NEURL</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	2.30E-08	–	29016858
<i>ST3GAL6</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	2.50E-08	–	29016858, 33151971
<i>SMAD7</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity, fasting glucose	3.00E-08	–	29016858, 31197173
<i>PRKAR2A</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	3.10E-08	+	29016858
<i>RBP3</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	4.10E-08	–	29016858
<i>RHPN1</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity, Ratio of	4.30E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
					diacylglycerol to triglycerides			
<i>PDE6B</i>	Nitrogen dioxide exposure	1.30E-09	–	29410382	Maternal overweight/obesity	4.30E-08	–	29016858
<i>SLIT3</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity, Triglycerides in chylomicrons and extremely large VLDL	2.20E-11	–	29016858
<i>MFSD2B</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity	6.30E-11	–	29016858
<i>TRIM2</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity	4.20E-10	–	29016858
<i>FBXW12</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity	4.50E-10	–	29016858
<i>PLCH2</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity, Glucose	1.00E-09	–	29016858
<i>ST14</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in IDL, Triglycerides to total lipids ratio in small VLDL	1.90E-09	–	29016858
<i>FLJ10357</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity	1.90E-09	–	29016858
<i>NTM</i>	Air pollution exposure, Nitrogen dioxide exposure	1.40E-09	–	26731791, 29410382	Maternal overweight/obesity, fasting glucose	2.00E-09	–	29016858, 31197173

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>MGMT</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity, fasting glucose	2.30E-09	–	29016858, 31197173
<i>TUB</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity	3.10E-09	–	29016858
<i>ADSSL1</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity	3.90E-09	–	29016858
<i>THY1</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity	4.90E-09	–	29016858
<i>LYNX1</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity	6.30E-09	–	29016858
<i>TRANK1</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	7.20E-09	–	29016858, 33151971
<i>LOC400931; MIRLET7B</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity	7.30E-09	–	29016858
<i>LOC282997; PDCD4</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity	8.30E-09	–	29016858
<i>CALHM3</i>	Nitrogen dioxide exposure	1.40E-09	–	29410382	Maternal overweight/obesity	1.60E-08	–	29016858
<i>FAM167A</i>	Air pollution exposure, Nitrogen dioxide exposure	1.40E-09	–	26731791, 29410382	Maternal overweight/obesity	3.70E-08	–	29016858
<i>NGF</i>	Nitrogen dioxide exposure	1.50E-09	–	29410382	Maternal overweight/obesity	7.00E-10	–	29016858
<i>FLJ23834</i>	Nitrogen dioxide exposure	1.50E-09	–	29410382	Maternal overweight/obesity	2.50E-09	–	29016858
<i>MEGF6</i>	Nitrogen dioxide exposure	1.50E-09	–	29410382	Maternal overweight/obesity	2.80E-09	–	29016858
<i>ACTR5</i>	Nitrogen dioxide exposure	1.50E-09	–	29410382	Maternal overweight/obesity	3.70E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>PRKAG2</i>	Air pollution exposure, Nitrogen dioxide exposure	1.50E-09	-	26731791, 29410382	Maternal overweight/obesity, Diastolic blood pressure	9.60E-09	-	29016858
<i>SYT8</i>	Nitrogen dioxide exposure	1.50E-09	-	29410382	Maternal overweight/obesity	1.60E-08	-	29016858
<i>KCNMA1</i>	Air pollution exposure, Nitrogen dioxide exposure	1.50E-09	-	26731791, 29410382	Maternal overweight/obesity, fasting glucose	1.90E-08	-	29016858, 31197173
<i>TSPO2</i>	Nitrogen dioxide exposure	1.50E-09	-	29410382	Maternal overweight/obesity	2.00E-08	-	29016858
<i>ZNF783</i>	Nitrogen dioxide exposure	1.50E-09	-	29410382	Maternal overweight/obesity	3.60E-08	-	29016858
<i>STC2</i>	Nitrogen dioxide exposure	1.50E-09	-	29410382	Maternal overweight/obesity	4.90E-08	+	29016858
<i>ITIH4</i>	Nitrogen dioxide exposure	1.60E-09	-	29410382	Maternal overweight/obesity	1.70E-13	-	29016858
<i>XYLT1</i>	Air pollution exposure, Nitrogen dioxide exposure	1.60E-09	-	26731791, 29410382	Maternal overweight/obesity, 1-hour glucose, Glucose, HDL cholesterol, Triglycerides in very large HDL, Triglycerides to total lipids ratio in very large VLDL	3.90E-12	-	29016858, 33151971
<i>C5orf20</i>	Nitrogen dioxide exposure	1.60E-09	-	29410382	Maternal overweight/obesity	2.40E-11	-	29016858
<i>TIRAP</i>	Nitrogen dioxide exposure	1.60E-09	-	29410382	Maternal overweight/obesity	1.70E-10	-	29016858
<i>TRAPPC9</i>	Air pollution exposure, Nitrogen dioxide exposure	1.60E-09	-	26731791, 29410382	Maternal overweight/obesity, 1-hour glucose	5.60E-10	-	29016858, 33151971

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>THEM5</i>	Nitrogen dioxide exposure	1.60E-09	-	29410382	Maternal overweight/obesity	1.10E-09	-	29016858
<i>TNS1</i>	Nitrogen dioxide exposure	1.60E-09	-	29410382	Maternal overweight/obesity	2.80E-09	-	29016858
<i>TMEM169</i>	Nitrogen dioxide exposure	1.60E-09	-	29410382	Maternal overweight/obesity	8.00E-09	-	29016858
<i>TSTA3</i>	Nitrogen dioxide exposure	1.60E-09	-	29410382	Maternal overweight/obesity	1.10E-08	-	29016858
<i>KIF17</i>	Nitrogen dioxide exposure	1.60E-09	-	29410382	Maternal overweight/obesity	1.10E-08	-	29016858
<i>CCDC114</i>	Nitrogen dioxide exposure	1.60E-09	-	29410382	Maternal overweight/obesity	3.20E-08	-	29016858
<i>ZBTB46</i>	Nitrogen dioxide exposure	1.60E-09	-	29410382	Maternal overweight/obesity, fasting glucose	3.50E-08	-	29016858, 31197173
<i>ELFN1</i>	Nitrogen dioxide exposure	1.60E-09	-	29410382	Maternal overweight/obesity	4.20E-08	-	29016858
<i>GBAP1</i>	Nitrogen dioxide exposure	1.70E-09	+	29410382	Maternal overweight/obesity	1.20E-10	+	29016858
<i>NKDI</i>	Nitrogen dioxide exposure	1.70E-09	-	29410382	Maternal overweight/obesity	7.60E-10	-	29016858
<i>TPO</i>	Nitrogen dioxide exposure	1.70E-09	-	29410382	Maternal overweight/obesity	4.00E-09	-	29016858
<i>MYO1A</i>	Nitrogen dioxide exposure	1.70E-09	-	29410382	Maternal overweight/obesity	6.90E-09	+	29016858
<i>PDCD1</i>	Nitrogen dioxide exposure	1.70E-09	-	29410382	Maternal overweight/obesity	7.90E-09	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>RYR2</i>	Nitrogen dioxide exposure	1.70E-09	-	29410382	Maternal overweight/obesity, Triglycerides in medium HDL, Triglycerides in very small VLDL, Triglycerides to total lipids ratio in medium HDL	1.10E-08	-	29016858
<i>HIPK2</i>	Nitrogen dioxide exposure	1.70E-09	-	29410382	Maternal overweight/obesity	1.70E-08	+	29016858
<i>DSCAML1</i>	Air pollution exposure, Nitrogen dioxide exposure	1.70E-09	-	26731791, 29410382	Maternal overweight/obesity	2.40E-08	-	29016858
<i>PLXNA4</i>	Air pollution exposure, Nitrogen dioxide exposure, Particulate matter ≤10 um (PM10)	1.70E-09	-	26731791, 29410382, 31148503	Maternal overweight/obesity	3.20E-08	-	29016858
<i>PANX3</i>	Nitrogen dioxide exposure	1.80E-09	-	29410382	Maternal overweight/obesity	6.70E-10	-	29016858
<i>AFF3</i>	Nitrogen dioxide exposure	1.80E-09	-	29410382	Maternal overweight/obesity	7.70E-10	-	29016858
<i>SCNN1A</i>	Nitrogen dioxide exposure	1.80E-09	-	29410382	Maternal overweight/obesity, Diastolic Blood Pressure, Systolic Blood Pressure	9.40E-10	-	29016858, 29198723
<i>CD276</i>	Nitrogen dioxide exposure	1.80E-09	-	29410382	Maternal overweight/obesity	9.80E-10	-	29016858
<i>CARS2</i>	Air pollution exposure, Nitrogen dioxide exposure	1.80E-09	-	26731791, 29410382	Maternal overweight/obesity	1.40E-09	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>MAP2K5</i>	Nitrogen dioxide exposure	1.80E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	2.30E-09	–	29016858, 33151971
<i>SDK1</i>	Air pollution exposure, Nitrogen dioxide exposure	1.80E-09	–	26731791, 29410382	Maternal overweight/obesity, Glucose, Triglycerides to total lipids ratio in IDL, Triglycerides to total lipids ratio in large LDL, Triglycerides to total lipids ratio in medium LDL, Triglycerides to total lipids ratio in medium VLDL, Triglycerides to total lipids ratio in small HDL	3.80E-09	–	29016858
<i>PCNXL2</i>	Nitrogen dioxide exposure	1.80E-09	–	29410382	Maternal overweight/obesity, Triglycerides	5.30E-09	–	29016858, 31910897
<i>TDRD10</i>	Nitrogen dioxide exposure	1.80E-09	–	29410382	Maternal overweight/obesity	7.60E-09	–	29016858
<i>RERE</i>	Nitrogen dioxide exposure	1.80E-09	–	29410382	Serum triglycerides, Maternal overweight/obesity, fasting glucose, Triglycerides	1.20E-08	–	28173150, 29016858, 31197173, 31910897
<i>DHX16</i>	Nitrogen dioxide exposure	1.80E-09	–	29410382	Maternal overweight/obesity	1.60E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>ASB10</i>	Nitrogen dioxide exposure	1.80E-09	-	29410382	Maternal overweight/obesity	2.40E-08	-	29016858
<i>GGT1</i>	Nitrogen dioxide exposure	1.80E-09	-	29410382	Maternal overweight/obesity	2.80E-08	-	29016858
<i>MAP3K7IP1</i>	Nitrogen dioxide exposure	1.80E-09	+	29410382	Maternal overweight/obesity, fasting glucose	2.90E-08	+	29016858, 31197173
<i>AK3L1</i>	Nitrogen dioxide exposure	1.80E-09	-	29410382	Maternal overweight/obesity	3.70E-08	-	29016858
<i>JAKMIP3</i>	Nitrogen dioxide exposure	1.80E-09	-	29410382	Maternal overweight/obesity	4.20E-08	-	29016858
<i>ASB18</i>	Nitrogen dioxide exposure	1.90E-09	-	29410382	Maternal overweight/obesity	1.40E-12	-	29016858
<i>KIAA1688</i>	Air pollution exposure, Nitrogen dioxide exposure	1.90E-09	-	26731791, 29410382	Maternal overweight/obesity	1.20E-11	-	29016858
<i>ARHGAP18</i>	Nitrogen dioxide exposure	1.90E-09	-	29410382	Maternal overweight/obesity, 1-hour glucose	2.80E-11	-	29016858, 33151971
<i>PACRG;LOC285796</i>	Nitrogen dioxide exposure	1.90E-09	-	29410382	Maternal overweight/obesity	2.70E-10	-	29016858
<i>ALDH1L1</i>	Nitrogen dioxide exposure	1.90E-09	-	29410382	Maternal overweight/obesity, Triglycerides in chylomicrons and extremely large VLDL, Triglycerides in small VLDL, Triglycerides in very large VLDL	1.00E-09	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>FAM19A5</i>	Air pollution exposure, Nitrogen dioxide exposure	1.90E-09	–	26731791, 29410382	Maternal overweight/obesity	5.20E-09	–	29016858
<i>SLC2A14</i>	Nitrogen dioxide exposure	1.90E-09	–	29410382	Maternal overweight/obesity	1.00E-08	–	29016858
<i>DNAH10</i>	Nitrogen dioxide exposure	1.90E-09	–	29410382	Maternal overweight/obesity, fasting glucose	4.70E-08	–	29016858, 31197173
<i>SGSH</i>	Nitrogen dioxide exposure	2.00E-09	–	29410382	Maternal overweight/obesity	2.30E-11	–	29016858
<i>MIR451;MIR144</i>	Nitrogen dioxide exposure	2.00E-09	–	29410382	Maternal overweight/obesity	6.10E-10	–	29016858
<i>KCNH4</i>	Nitrogen dioxide exposure	2.00E-09	–	29410382	Maternal overweight/obesity	6.80E-10	–	29016858
<i>PHYHIP</i>	Nitrogen dioxide exposure	2.00E-09	–	29410382	Maternal overweight/obesity	8.50E-10	–	29016858
<i>MUC5B</i>	Nitrogen dioxide exposure	2.00E-09	–	29410382	Maternal overweight/obesity	1.00E-09	–	29016858
<i>ADRA1B</i>	Nitrogen dioxide exposure	2.00E-09	–	29410382	Maternal overweight/obesity	1.60E-09	–	29016858
<i>PLXNB1</i>	Nitrogen dioxide exposure	2.00E-09	–	29410382	Maternal overweight/obesity	3.90E-09	–	29016858
<i>KCNQ1</i>	Nitrogen dioxide exposure	2.00E-09	–	29410382	Maternal overweight/obesity	5.10E-09	–	29016858
<i>FGF1</i>	Nitrogen dioxide exposure	2.00E-09	–	29410382	Maternal overweight/obesity	1.90E-08	–	29016858
<i>ITPR3</i>	Air pollution exposure, Nitrogen dioxide exposure	2.00E-09	–	26731791, 29410382	Maternal overweight/obesity	3.20E-08	–	29016858
<i>PIK3R5</i>	Air pollution exposure, Nitrogen dioxide exposure	2.10E-09	–	26731791, 29410382	Maternal overweight/obesity	1.70E-12	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>ATP6V1B1</i>	Nitrogen dioxide exposure	2.10E-09	–	29410382	Maternal overweight/obesity	7.40E-11	–	29016858
<i>CCR2</i>	Nitrogen dioxide exposure	2.10E-09	–	29410382	Maternal overweight/obesity	9.80E-11	–	29016858
<i>ADARB2</i>	Air pollution exposure, Nitrogen dioxide exposure	2.10E-09	–	26731791, 29410382	Maternal overweight/obesity	4.30E-10	–	29016858
<i>PDE4DIP</i>	Nitrogen dioxide exposure	2.10E-09	–	29410382	Maternal overweight/obesity, fasting glucose	5.20E-10	–	29016858, 31197173
<i>BSN</i>	Nitrogen dioxide exposure	2.10E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	1.40E-09	–	29016858, 33151971
<i>CELSR1</i>	Nitrogen dioxide exposure	2.10E-09	–	29410382	Maternal overweight/obesity	2.50E-09	–	29016858
<i>JAKMIP1</i>	Nitrogen dioxide exposure	2.10E-09	–	29410382	Maternal overweight/obesity	6.60E-09	–	29016858
<i>LOC619207</i>	Air pollution exposure, Nitrogen dioxide exposure	2.10E-09	–	26731791, 29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>NLRC3</i>	Nitrogen dioxide exposure	2.10E-09	–	29410382	Maternal overweight/obesity	1.40E-08	–	29016858
<i>C6orf186</i>	Nitrogen dioxide exposure	2.20E-09	–	29410382	Maternal overweight/obesity	3.00E-11	–	29016858
<i>ACTA2</i>	Nitrogen dioxide exposure	2.20E-09	–	29410382	Maternal overweight/obesity	9.50E-10	–	29016858
<i>DUSP27</i>	Nitrogen dioxide exposure	2.20E-09	–	29410382	Maternal overweight/obesity	1.20E-08	–	29016858
<i>BCCIP;UROS</i>	Nitrogen dioxide exposure	2.20E-09	–	29410382	Maternal overweight/obesity	1.20E-08	–	29016858
<i>TAS2R60</i>	Nitrogen dioxide exposure	2.20E-09	–	29410382	Maternal overweight/obesity	3.30E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>PPT2</i>	Nitrogen dioxide exposure	2.30E-09	–	29410382	Maternal overweight/obesity	2.60E-12	–	29016858
<i>MYH14</i>	Nitrogen dioxide exposure	2.30E-09	–	29410382	Maternal overweight/obesity	3.00E-10	–	29016858
<i>WWC1</i>	Nitrogen dioxide exposure, Particulate matter <2.5um (PM2.5)	2.30E-09	–	29410382, 31208937	Maternal overweight/obesity	1.50E-09	–	29016858
<i>PADI1</i>	Nitrogen dioxide exposure	2.30E-09	–	29410382	Maternal overweight/obesity	1.70E-09	–	29016858
<i>PITPNM2</i>	Nitrogen dioxide exposure	2.30E-09	–	29410382	Maternal overweight/obesity, fasting glucose, 1-hour glucose	2.00E-09	–	29016858, 31197173, 33151971
<i>ARHGEF10</i>	Nitrogen dioxide exposure	2.30E-09	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in medium LDL, Triglycerides to total lipids ratio in small LDL	7.70E-09	–	29016858
<i>AATK</i>	Air pollution exposure, Nitrogen dioxide exposure	2.30E-09	–	26731791, 29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in chylomicrons and XXL-VLDL	1.10E-08	–	29016858
<i>RASGRF1</i>	Nitrogen dioxide exposure, Particulate matter <2.5um (PM2.5)	2.30E-09	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>ARNTL</i>	Nitrogen dioxide exposure	2.30E-09	–	29410382	Maternal overweight/obesity	1.70E-08	–	29016858
<i>ATP2B4</i>	Nitrogen dioxide exposure	2.30E-09	–	29410382	Maternal overweight/obesity	1.80E-08	–	29016858
<i>ZCCHC24</i>	Nitrogen dioxide exposure	2.30E-09	–	29410382	Maternal overweight/obesity	3.70E-08	–	29016858
<i>GPR45</i>	Nitrogen dioxide exposure	2.30E-09	–	29410382	Maternal overweight/obesity	3.90E-08	–	29016858
<i>SYNJ2</i>	Nitrogen dioxide exposure	2.30E-09	–	29410382	Maternal overweight/obesity, fasting glucose	4.50E-08	–	29016858, 31197173
<i>LOC154822</i>	Nitrogen dioxide exposure	2.30E-09	–	29410382	Maternal overweight/obesity	4.80E-08	–	29016858
<i>ARNT2</i>	Nitrogen dioxide exposure	2.40E-09	–	29410382	Maternal overweight/obesity, Triglycerides in chylomicrons and extremely large VLDL	3.80E-10	–	29016858
<i>MORNI</i>	Nitrogen dioxide exposure	2.40E-09	–	29410382	Maternal overweight/obesity, Diastolic blood pressure, Triglycerides to total lipids ratio in medium HDL	2.70E-09	–	29016858, 32916427
<i>C15orf50</i>	Nitrogen dioxide exposure	2.40E-09	–	29410382	Maternal overweight/obesity	5.40E-09	–	29016858
<i>NFATC1</i>	Air pollution exposure, Nitrogen dioxide exposure, Particulate matter air pollution	2.40E-09	–	26731791, 29410382, 32484729	Maternal overweight/obesity	7.20E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>AGAP1</i>	Air pollution exposure, Nitrogen dioxide exposure	2.40E-09	–	26731791, 29410382	Maternal overweight/obesity	8.90E-09	–	29016858
<i>NAGPA</i>	Nitrogen dioxide exposure	2.40E-09	–	29410382	Maternal overweight/obesity	2.10E-08	–	29016858
<i>NAV2</i>	Nitrogen dioxide exposure	2.40E-09	–	29410382	Maternal overweight/obesity	3.80E-08	–	29016858
<i>APOA5</i>	Nitrogen dioxide exposure	2.50E-09	–	29410382	Triglycerides, Maternal overweight/obesity	9.40E-13	–	25583993, 29016858
<i>PDE9A</i>	Nitrogen dioxide exposure	2.50E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	7.10E-12	–	29016858, 33151971
<i>CELSR3</i>	Air pollution exposure, Nitrogen dioxide exposure	2.50E-09	–	26731791, 29410382	Maternal overweight/obesity	1.30E-10	–	29016858
<i>SH3PXD2B</i>	Nitrogen dioxide exposure	2.50E-09	–	29410382	Maternal overweight/obesity	1.30E-09	–	29016858
<i>LMCD1</i>	Nitrogen dioxide exposure	2.50E-09	–	29410382	Maternal overweight/obesity	4.60E-09	–	29016858
<i>CADPS2</i>	Nitrogen dioxide exposure	2.50E-09	–	29410382	Maternal overweight/obesity	1.00E-08	–	29016858
<i>F7</i>	Nitrogen dioxide exposure	2.50E-09	–	29410382	Maternal overweight/obesity	1.20E-08	–	29016858
<i>PRR5;PRR5-ARHGAP8</i>	Nitrogen dioxide exposure	2.50E-09	–	29410382	Maternal overweight/obesity	2.80E-08	–	29016858
<i>GMIP</i>	Nitrogen dioxide exposure	2.50E-09	–	29410382	Maternal overweight/obesity	2.90E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>PHGDH</i>	Nitrogen dioxide exposure	2.60E-09	–	29410382	Serum triglycerides, Maternal overweight/obesity, Diastolic Blood Pressure, Systolic Blood Pressure, fasting glucose, Serum total triglycerides, Triglycerides, Triglycerides in HDL, Triglycerides in large VLDL, Triglycerides in medium HDL, Triglycerides in medium VLDL, Triglycerides in small HDL, Triglycerides in small VLDL, Triglycerides in VLDL, Triglycerides to total lipids ratio in medium HDL, Triglycerides to total lipids ratio in small VLDL	2.70E-34	–	28213390, 29016858, 29198723, 31197173, 32520614
<i>HBBP1</i>	Nitrogen dioxide exposure	2.60E-09	–	29410382	Maternal overweight/obesity	7.40E-12	–	29016858
<i>NPR1</i>	Nitrogen dioxide exposure	2.60E-09	–	29410382	Maternal overweight/obesity	3.00E-11	–	29016858
<i>ALKBH1;C14orf156</i>	Nitrogen dioxide exposure	2.60E-09	–	29410382	Maternal overweight/obesity	2.20E-10	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>SNED1</i>	Air pollution exposure, Nitrogen dioxide exposure	2.60E-09	–	26731791, 29410382	Maternal overweight/obesity	1.20E-09	–	29016858
<i>DNAH17</i>	Air pollution exposure, Nitrogen dioxide exposure	2.60E-09	–	26731791, 29410382	Maternal overweight/obesity	2.40E-09	–	29016858
<i>FAM107A</i>	Air pollution exposure, Nitrogen dioxide exposure	2.60E-09	–	26731791, 29410382	Maternal overweight/obesity	4.90E-09	–	29016858
<i>PRPH2</i>	Nitrogen dioxide exposure	2.60E-09	–	29410382	Maternal overweight/obesity	8.60E-09	–	29016858
<i>ADAMTSL1</i>	Nitrogen dioxide exposure	2.60E-09	–	29410382	Maternal overweight/obesity	2.20E-08	–	29016858
<i>SLC39A11</i>	Nitrogen dioxide exposure	2.60E-09	–	29410382	Maternal overweight/obesity	3.40E-08	–	29016858
<i>DNAH2</i>	Nitrogen dioxide exposure	2.60E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose, Triglycerides to total lipids ratio in small VLDL	4.00E-08	–	29016858, 33151971
<i>GUCA2A</i>	Nitrogen dioxide exposure	2.60E-09	–	29410382	Maternal overweight/obesity	4.50E-08	–	29016858
<i>LRRC8D</i>	Nitrogen dioxide exposure	2.70E-09	–	29410382	Maternal overweight/obesity, Diastolic Blood Pressure, Systolic Blood Pressure	3.30E-10	–	29016858, 29198723
<i>SH3RF3</i>	Nitrogen dioxide exposure	2.70E-09	–	29410382	Maternal overweight/obesity	3.50E-10	–	29016858
<i>GPR89A</i>	Nitrogen dioxide exposure	2.70E-09	–	29410382	Maternal overweight/obesity	1.10E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>TFIP11</i>	Nitrogen dioxide exposure	2.70E-09	–	29410382	Maternal overweight/obesity	1.20E-08	–	29016858
<i>CDH23</i>	Nitrogen dioxide exposure	2.70E-09	–	29410382	Maternal overweight/obesity, Systolic blood pressure	1.70E-08	–	29016858
<i>ALK</i>	Nitrogen dioxide exposure	2.70E-09	–	29410382	Maternal overweight/obesity	1.90E-08	–	29016858
<i>TTBK1</i>	Air pollution exposure, Nitrogen dioxide exposure	2.70E-09	–	26731791, 29410382	Maternal overweight/obesity	2.80E-08	–	29016858
<i>RAI14</i>	Nitrogen dioxide exposure	2.70E-09	–	29410382	Maternal overweight/obesity	3.70E-08	–	29016858
<i>ST7</i>	Nitrogen dioxide exposure	2.70E-09	–	29410382	Maternal overweight/obesity	4.90E-08	–	29016858
<i>BDH1</i>	Nitrogen dioxide exposure	2.80E-09	–	29410382	Maternal overweight/obesity	1.60E-12	–	29016858
<i>CACNA1H</i>	Nitrogen dioxide exposure	2.80E-09	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in small HDL, Triglycerides to total lipids ratio in small LDL, Triglycerides to total lipids ratio in very small VLDL	7.60E-11	–	29016858, 32916427
<i>CA12</i>	Nitrogen dioxide exposure	2.80E-09	–	29410382	Maternal overweight/obesity	1.30E-10	–	29016858
<i>SOCS7</i>	Nitrogen dioxide exposure	2.80E-09	–	29410382	Maternal overweight/obesity, Triglycerides to	2.50E-10	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
					total lipids ratio in very large VLDL			
<i>MTUS2</i>	Nitrogen dioxide exposure	2.80E-09	–	29410382	Maternal overweight/obesity	1.10E-09	–	29016858, 32916427
<i>CSMD1</i>	Nitrogen dioxide exposure	2.80E-09	–	29410382	Maternal overweight/obesity	3.20E-09	–	29016858
<i>MSH5</i>	Nitrogen dioxide exposure	2.80E-09	–	29410382	Maternal overweight/obesity	7.40E-09	–	29016858
<i>CAMTA1</i>	Nitrogen dioxide exposure	2.80E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	9.70E-09	–	29016858, 32916427, 33151971
<i>ETV3L</i>	Nitrogen dioxide exposure	2.80E-09	–	29410382	Maternal overweight/obesity	2.90E-08	–	29016858
<i>LOC100133669</i>	Air pollution exposure, Nitrogen dioxide exposure	2.80E-09	–	26731791, 29410382	Maternal overweight/obesity	3.10E-08	–	29016858
<i>PRCD</i>	Nitrogen dioxide exposure	2.90E-09	–	29410382	Maternal overweight/obesity	6.00E-11	–	29016858
<i>NXN</i>	Air pollution exposure, Nitrogen dioxide exposure, Particulate matter air pollution	2.90E-09	–	26731791, 29410382, 32484729	Maternal overweight/obesity, 1-hour glucose, Systolic blood pressure	1.10E-08	–	29016858, 33151971
<i>EXT2</i>	Nitrogen dioxide exposure	2.90E-09	–	29410382	Maternal overweight/obesity	1.90E-08	–	29016858
<i>RASGEF1C</i>	Nitrogen dioxide exposure	2.90E-09	–	29410382	Maternal overweight/obesity	2.60E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>HDDC3;UN C45A</i>	Nitrogen dioxide exposure	2.90E-09	-	29410382	Maternal overweight/obesity	3.10E-08	-	29016858
<i>TAP2</i>	Nitrogen dioxide exposure	3.00E-09	-	29410382	Maternal overweight/obesity	2.30E-11	-	29016858
<i>ANKDD1A</i>	Nitrogen dioxide exposure	3.00E-09	-	29410382	Maternal overweight/obesity	1.80E-10	-	29016858
<i>TNK2</i>	Nitrogen dioxide exposure	3.00E-09	-	29410382	Maternal overweight/obesity	4.30E-10	-	29016858
<i>EML1</i>	Nitrogen dioxide exposure	3.00E-09	-	29410382	Maternal overweight/obesity	1.50E-09	-	29016858
<i>ODZ4</i>	Nitrogen dioxide exposure	3.00E-09	-	29410382	Maternal overweight/obesity	5.40E-09	-	29016858
<i>CD48</i>	Nitrogen dioxide exposure	3.00E-09	+	29410382	Maternal overweight/obesity	1.20E-08	+	29016858
<i>CLEC4A</i>	Nitrogen dioxide exposure	3.00E-09	-	29410382	Maternal overweight/obesity	1.30E-08	-	29016858
<i>SCOC</i>	Nitrogen dioxide exposure	3.00E-09	-	29410382	Maternal overweight/obesity	1.90E-08	-	29016858
<i>CABIN1</i>	Nitrogen dioxide exposure	3.00E-09	-	29410382	Maternal overweight/obesity	2.50E-08	-	29016858
<i>BCL2</i>	Nitrogen dioxide exposure	3.00E-09	+	29410382	Maternal overweight/obesity	2.80E-08	+	29016858
<i>PZP</i>	Nitrogen dioxide exposure	3.10E-09	-	29410382	Maternal overweight/obesity	6.60E-11	-	29016858
<i>RGS6</i>	Nitrogen dioxide exposure	3.10E-09	-	29410382	Maternal overweight/obesity, 1-hour glucose	6.70E-10	-	29016858, 33151971
<i>C4orf29</i>	Nitrogen dioxide exposure	3.10E-09	-	29410382	Maternal overweight/obesity	7.10E-10	-	29016858
<i>CHTF18</i>	Nitrogen dioxide exposure	3.10E-09	-	29410382	Maternal overweight/obesity	8.80E-10	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>CLSTN1</i>	Nitrogen dioxide exposure	3.10E-09	–	29410382	Maternal overweight/obesity	1.00E-09	–	29016858
<i>SSTR3</i>	Nitrogen dioxide exposure	3.10E-09	–	29410382	Maternal overweight/obesity	4.10E-09	–	29016858
<i>CISH</i>	Nitrogen dioxide exposure	3.10E-09	–	29410382	Maternal overweight/obesity, Triglycerides in large VLDL, Triglycerides in medium HDL, Triglycerides to total lipids ratio in small VLDL	6.60E-09	–	29016858
<i>CLIP2</i>	Nitrogen dioxide exposure	3.10E-09	–	29410382	Maternal overweight/obesity	9.20E-09	–	29016858
<i>NUPR1</i>	Nitrogen dioxide exposure	3.10E-09	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>SYNGAP1</i>	Nitrogen dioxide exposure	3.10E-09	–	29410382	Maternal overweight/obesity	1.90E-08	–	29016858
<i>FLNB</i>	Nitrogen dioxide exposure	3.10E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	2.20E-08	–	29016858, 33151971
<i>ZNF837</i>	Nitrogen dioxide exposure	3.20E-09	–	29410382	Maternal overweight/obesity	1.90E-10	–	29016858
<i>C7orf54;SND1</i>	Nitrogen dioxide exposure	3.20E-09	–	29410382	Maternal overweight/obesity	3.10E-09	–	29016858
<i>ARHGAP10</i>	Nitrogen dioxide exposure	3.20E-09	–	29410382	Maternal overweight/obesity	4.40E-09	–	29016858
<i>PRKCA</i>	Nitrogen dioxide exposure	3.20E-09	–	29410382	Maternal overweight/obesity	4.50E-09	–	29016858
<i>CPNE9</i>	Nitrogen dioxide exposure	3.20E-09	–	29410382	Maternal overweight/obesity	2.20E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>RLN3</i>	Nitrogen dioxide exposure	3.20E-09	–	29410382	Maternal overweight/obesity	4.00E-08	–	29016858
<i>WSCD1</i>	Nitrogen dioxide exposure	3.30E-09	–	29410382	Maternal overweight/obesity	1.50E-11	–	29016858
<i>PACS2</i>	Nitrogen dioxide exposure	3.30E-09	–	29410382	Maternal overweight/obesity, Ratio of triglycerides to phosphoglycerides, Systolic blood pressure	2.20E-10	–	29016858
<i>TRIM10</i>	Nitrogen dioxide exposure	3.30E-09	–	29410382	Maternal overweight/obesity	8.20E-10	–	29016858
<i>TBC1D16</i>	Air pollution exposure, Nitrogen dioxide exposure	3.30E-09	–	26731791, 29410382	Maternal overweight/obesity, Diastolic blood pressure	3.70E-09	–	29016858
<i>CDRT4</i>	Nitrogen dioxide exposure	3.30E-09	–	29410382	Maternal overweight/obesity	9.30E-09	–	29016858
<i>LPPR2</i>	Nitrogen dioxide exposure	3.30E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	1.00E-08	–	29016858, 33151971
<i>TCF23</i>	Nitrogen dioxide exposure	3.30E-09	–	29410382	Maternal overweight/obesity	1.80E-08	–	29016858
<i>C14orf68</i>	Nitrogen dioxide exposure	3.30E-09	–	29410382	Maternal overweight/obesity	2.90E-08	–	29016858
<i>A2LD1</i>	Nitrogen dioxide exposure	3.30E-09	–	29410382	Maternal overweight/obesity	4.50E-08	–	29016858
<i>QSOX1</i>	Nitrogen dioxide exposure	3.40E-09	–	29410382	Maternal overweight/obesity	1.40E-10	–	29016858
<i>UBXN6</i>	Nitrogen dioxide exposure	3.40E-09	–	29410382	Maternal overweight/obesity	6.30E-10	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>ROR2</i>	Nitrogen dioxide exposure	3.40E-09	–	29410382	Maternal overweight/obesity	1.40E-09	–	29016858
<i>JUB</i>	Nitrogen dioxide exposure	3.40E-09	–	29410382	Maternal overweight/obesity	4.30E-09	–	29016858, 32916427
<i>CHIT1</i>	Nitrogen dioxide exposure	3.40E-09	–	29410382	Maternal overweight/obesity	3.00E-08	–	29016858
<i>TP53I11</i>	Nitrogen dioxide exposure	3.40E-09	–	29410382	Maternal overweight/obesity, Triglycerides	4.50E-08	–	29016858, 31910897
<i>DGCR9</i>	Nitrogen dioxide exposure	3.50E-09	–	29410382	Maternal overweight/obesity	1.10E-11	–	29016858
<i>LMF1</i>	Air pollution exposure, Nitrogen dioxide exposure	3.50E-09	–	26731791, 29410382	Maternal overweight/obesity, Triglycerides in small LDL	5.40E-10	–	29016858
<i>HDAC11</i>	Nitrogen dioxide exposure	3.50E-09	–	29410382	Maternal overweight/obesity	1.50E-09	–	29016858
<i>CIITA</i>	Nitrogen dioxide exposure	3.50E-09	–	29410382	Maternal overweight/obesity	4.10E-09	–	29016858
<i>GPR39</i>	Nitrogen dioxide exposure	3.50E-09	–	29410382	Maternal overweight/obesity	8.60E-09	–	29016858
<i>RHOBTB2</i>	Nitrogen dioxide exposure	3.50E-09	–	29410382	Maternal overweight/obesity	1.00E-08	–	29016858
<i>AKNAD1</i>	Nitrogen dioxide exposure	3.50E-09	–	29410382	Maternal overweight/obesity	4.40E-08	–	29016858
<i>C6orf168</i>	Air pollution exposure, Nitrogen dioxide exposure	3.60E-09	–	26731791, 29410382	Maternal overweight/obesity	5.80E-11	–	29016858
<i>IGFALS</i>	Nitrogen dioxide exposure	3.60E-09	–	29410382	Maternal overweight/obesity	3.90E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>ZNF20</i>	Nitrogen dioxide exposure	3.60E-09	–	29410382	Maternal overweight/obesity	4.60E-09	–	29016858
<i>VPS18</i>	Nitrogen dioxide exposure	3.60E-09	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in chylomicrons and XXL-VLDL	1.60E-08	–	29016858
<i>MAPT;STH</i>	Nitrogen dioxide exposure	3.60E-09	–	29410382	Maternal overweight/obesity	3.50E-08	–	29016858
<i>CYP3A7</i>	Nitrogen dioxide exposure	3.70E-09	–	29410382	Maternal overweight/obesity	4.20E-13	–	29016858
<i>JPH3</i>	Nitrogen dioxide exposure	3.70E-09	–	29410382	Maternal overweight/obesity	2.00E-10	–	29016858
<i>FAM179A</i>	Nitrogen dioxide exposure	3.70E-09	–	29410382	Maternal overweight/obesity	4.50E-10	–	29016858
<i>C7orf50</i>	Air pollution exposure, Nitrogen dioxide exposure, Particulate matter ≤10 um (PM10)	3.70E-09	–	26731791, 29410382, 31148503	Maternal overweight/obesity, HDL cholesterol	6.70E-09	–	29016858
<i>ZNF792</i>	Nitrogen dioxide exposure	3.70E-09	–	29410382	Maternal overweight/obesity	1.00E-08	–	29016858
<i>OR2S2</i>	Nitrogen dioxide exposure	3.70E-09	–	29410382	Maternal overweight/obesity	1.40E-08	–	29016858
<i>BEND6</i>	Nitrogen dioxide exposure	3.70E-09	–	29410382	Maternal overweight/obesity	2.40E-08	–	29016858
<i>ZFH3</i>	Nitrogen dioxide exposure	3.80E-09	–	29410382	Maternal overweight/obesity	2.00E-11	–	29016858
<i>SH3TC2</i>	Nitrogen dioxide exposure	3.80E-09	–	29410382	Maternal overweight/obesity	5.80E-11	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>SLC22A18;S LC22A18AS</i>	Nitrogen dioxide exposure	3.80E-09	–	29410382	Maternal overweight/obesity, fasting glucose	3.10E-10	–	29016858, 31197173
<i>OR6P1</i>	Nitrogen dioxide exposure	3.80E-09	–	29410382	Maternal overweight/obesity	1.40E-09	–	29016858
<i>C1orf127</i>	Nitrogen dioxide exposure	3.80E-09	–	29410382	Maternal overweight/obesity, Glucose	3.40E-08	–	29016858
<i>CDH4</i>	Air pollution exposure, Nitrogen dioxide exposure	3.80E-09	–	26731791, 29410382	Maternal overweight/obesity	4.70E-08	–	29016858
<i>WNT9A</i>	Nitrogen dioxide exposure	3.80E-09	–	29410382	Maternal overweight/obesity	4.70E-08	–	29016858
<i>BAI2</i>	Air pollution exposure, Nitrogen dioxide exposure	3.90E-09	–	26731791, 29410382	Maternal overweight/obesity	7.50E-11	–	29016858
<i>RFTN1</i>	Nitrogen dioxide exposure	3.90E-09	–	29410382	Maternal overweight/obesity	2.40E-10	–	29016858
<i>DIRC3</i>	Nitrogen dioxide exposure	3.90E-09	–	29410382	Maternal overweight/obesity	5.40E-10	–	29016858
<i>CRHR1</i>	Nitrogen dioxide exposure	3.90E-09	–	29410382	Maternal overweight/obesity	1.10E-09	–	29016858
<i>COL4A1</i>	Nitrogen dioxide exposure	3.90E-09	–	29410382	Maternal overweight/obesity	2.90E-09	–	29016858
<i>CUX2</i>	Nitrogen dioxide exposure	3.90E-09	–	29410382	Maternal overweight/obesity	3.30E-09	–	29016858
<i>KLK13</i>	Nitrogen dioxide exposure	3.90E-09	–	29410382	Maternal overweight/obesity	8.80E-09	–	29016858
<i>DLG5</i>	Nitrogen dioxide exposure	3.90E-09	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>DLGAP2</i>	Air pollution exposure, Nitrogen dioxide exposure	3.90E-09	–	26731791, 29410382	Maternal overweight/obesity	1.50E-08	–	29016858
<i>HS3ST4</i>	Nitrogen dioxide exposure	3.90E-09	–	29410382	Maternal overweight/obesity	4.40E-08	–	29016858
<i>PSMB9</i>	Nitrogen dioxide exposure	4.00E-09	–	29410382	Maternal overweight/obesity	5.50E-09	–	29016858
<i>KIRREL</i>	Nitrogen dioxide exposure	4.00E-09	–	29410382	Maternal overweight/obesity	6.10E-09	–	29016858
<i>ZNF831</i>	Nitrogen dioxide exposure	4.00E-09	–	29410382	Maternal overweight/obesity	6.50E-09	–	29016858
<i>RASL10B</i>	Nitrogen dioxide exposure	4.00E-09	–	29410382	Maternal overweight/obesity	2.70E-08	–	29016858
<i>FAM107B</i>	Nitrogen dioxide exposure	4.00E-09	–	29410382	Maternal overweight/obesity	3.20E-08	–	29016858
<i>TTC7A</i>	Nitrogen dioxide exposure	4.10E-09	–	29410382	Maternal overweight/obesity	2.20E-10	–	29016858
<i>RHBDF1</i>	Nitrogen dioxide exposure	4.10E-09	–	29410382	Maternal overweight/obesity	4.70E-10	–	29016858
<i>FOXJ1</i>	Nitrogen dioxide exposure	4.10E-09	–	29410382	Maternal overweight/obesity	7.40E-09	–	29016858
<i>TCF7L1</i>	Nitrogen dioxide exposure	4.10E-09	–	29410382	Maternal overweight/obesity, Triglycerides in medium VLDL, Triglycerides in small VLDL, Triglycerides in very small VLDL	4.00E-08	–	29016858
<i>VAV2</i>	Nitrogen dioxide exposure	4.20E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	8.10E-13	–	29016858, 33151971

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>TP73</i>	Nitrogen dioxide exposure	4.20E-09	–	29410382	Maternal overweight/obesity	4.70E-09	–	29016858
<i>EMP1</i>	Nitrogen dioxide exposure	4.20E-09	–	29410382	Maternal overweight/obesity	7.50E-09	–	29016858
<i>TRPM3</i>	Nitrogen dioxide exposure	4.30E-09	–	29410382	Maternal overweight/obesity	1.40E-09	–	29016858
<i>MMP15</i>	Nitrogen dioxide exposure	4.30E-09	–	29410382	Maternal overweight/obesity	2.70E-09	–	29016858
<i>TMEM119</i>	Nitrogen dioxide exposure	4.30E-09	–	29410382	Maternal overweight/obesity	1.10E-08	–	29016858
<i>CELA1</i>	Nitrogen dioxide exposure	4.30E-09	–	29410382	Maternal overweight/obesity	1.60E-08	–	29016858
<i>RADIL</i>	Nitrogen dioxide exposure	4.30E-09	–	29410382	Maternal overweight/obesity	2.50E-08	–	29016858
<i>UCN</i>	Nitrogen dioxide exposure	4.30E-09	–	29410382	Maternal overweight/obesity	3.20E-08	–	29016858
<i>MAP3K9</i>	Nitrogen dioxide exposure	4.40E-09	–	29410382	Maternal overweight/obesity	3.50E-10	–	29016858
<i>LOXL2</i>	Nitrogen dioxide exposure	4.40E-09	–	29410382	Maternal overweight/obesity	4.40E-10	–	29016858
<i>RPUSD1</i>	Nitrogen dioxide exposure	4.40E-09	–	29410382	Maternal overweight/obesity	2.20E-09	–	29016858
<i>IL1F7</i>	Nitrogen dioxide exposure	4.40E-09	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in large VLDL	2.50E-09	–	29016858
<i>CCDC136</i>	Nitrogen dioxide exposure	4.40E-09	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>PLCB3</i>	Nitrogen dioxide exposure	4.50E-09	–	29410382	Maternal overweight/obesity	4.10E-10	–	29016858
<i>LACRT</i>	Nitrogen dioxide exposure	4.50E-09	–	29410382	Maternal overweight/obesity	8.30E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>ITLN1</i>	Nitrogen dioxide exposure	4.50E-09	-	29410382	Maternal overweight/obesity	1.20E-08	-	29016858
<i>KIF1A</i>	Nitrogen dioxide exposure	4.50E-09	-	29410382	Maternal overweight/obesity	1.30E-08	-	29016858
<i>RNF220</i>	Air pollution exposure, Nitrogen dioxide exposure	4.50E-09	-	26731791, 29410382	Maternal overweight/obesity	1.50E-08	-	29016858
<i>CCDC85C</i>	Air pollution exposure, Nitrogen dioxide exposure	4.60E-09	-	26731791, 29410382	Maternal overweight/obesity, fasting glucose	1.40E-09	-	29016858, 31197173
<i>ARHGAP26</i>	Nitrogen dioxide exposure	4.60E-09	-	29410382	Maternal overweight/obesity, Triglycerides in small HDL, Triglycerides in small VLDL, Triglycerides in very small VLDL, Triglycerides to total lipids ratio in large LDL, Triglycerides to total lipids ratio in medium HDL, Triglycerides to total lipids ratio in small HDL	1.10E-08	-	29016858
<i>SYT16</i>	Nitrogen dioxide exposure	4.60E-09	-	29410382	Maternal overweight/obesity	1.80E-08	-	29016858
<i>ZP1</i>	Nitrogen dioxide exposure	4.60E-09	+	29410382	Maternal overweight/obesity	2.40E-08	+	29016858
<i>PHACTR2</i>	Nitrogen dioxide exposure	4.60E-09	-	29410382	Maternal overweight/obesity	4.50E-08	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>ATP1B1</i>	Nitrogen dioxide exposure	4.70E-09	–	29410382	Maternal overweight/obesity	2.90E-12	–	29016858
<i>PTPN21</i>	Nitrogen dioxide exposure	4.70E-09	–	29410382	Maternal overweight/obesity	2.80E-10	–	29016858
<i>RHBG</i>	Nitrogen dioxide exposure	4.70E-09	–	29410382	Maternal overweight/obesity	9.00E-10	–	29016858
<i>PHLDB1</i>	Air pollution exposure, Nitrogen dioxide exposure	4.70E-09	–	26731791, 29410382	Maternal overweight/obesity	6.60E-09	–	29016858
<i>CYB561D1</i>	Nitrogen dioxide exposure	4.70E-09	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>TG;SLA</i>	Nitrogen dioxide exposure	4.70E-09	–	29410382	Maternal overweight/obesity	1.50E-08	–	29016858
<i>STRA8</i>	Nitrogen dioxide exposure	4.70E-09	–	29410382	Maternal overweight/obesity	1.90E-08	–	29016858
<i>HCRTR1</i>	Nitrogen dioxide exposure	4.70E-09	–	29410382	Maternal overweight/obesity, Triglycerides in very small VLDL	4.60E-08	–	29016858
<i>FCHSD2</i>	Nitrogen dioxide exposure	4.80E-09	–	29410382	Obesity	2.50E-09	–	32788176
<i>SEMA4G</i>	Nitrogen dioxide exposure	4.80E-09	–	29410382	Maternal overweight/obesity	3.70E-09	–	29016858
<i>LOC100129066</i>	Air pollution exposure, Nitrogen dioxide exposure	4.80E-09	–	26731791, 29410382	Maternal overweight/obesity	9.40E-09	–	29016858
<i>DAGLA</i>	Air pollution exposure, Nitrogen dioxide exposure	4.80E-09	–	26731791, 29410382	Maternal overweight/obesity, 1-hour glucose, Triglycerides to total lipids ratio in very large VLDL	1.40E-08	–	29016858, 33151971

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>AHRR</i>	Nitrogen dioxide exposure	4.90E-09	–	29410382	Maternal overweight/obesity	3.90E-10	–	29016858
<i>DPEP1</i>	Nitrogen dioxide exposure	4.90E-09	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in IDL, Triglycerides to total lipids ratio in small LDL, Triglycerides to total lipids ratio in small VLDL, Triglycerides to total lipids ratio in very small VLDL	7.60E-10	–	29016858
<i>KANK3</i>	Nitrogen dioxide exposure	4.90E-09	–	29410382	Maternal overweight/obesity	6.00E-09	–	29016858
<i>HLA-DPB1</i>	Nitrogen dioxide exposure	4.90E-09	–	29410382	Maternal overweight/obesity	2.10E-08	–	29016858
<i>LOC285419</i>	Nitrogen dioxide exposure	4.90E-09	–	29410382	Maternal overweight/obesity, Triglycerides in medium HDL	3.20E-08	–	29016858
<i>COL27A1</i>	Nitrogen dioxide exposure	4.90E-09	–	29410382	Maternal overweight/obesity	4.20E-08	–	29016858
<i>EGFR</i>	Nitrogen dioxide exposure	5.00E-09	–	29410382	Maternal overweight/obesity	5.20E-11	–	29016858
<i>TERT</i>	Air pollution exposure, Nitrogen dioxide exposure	5.00E-09	–	26731791, 29410382	Serum triglycerides, Maternal overweight/obesity	1.30E-10	–	28173150, 29016858
<i>LRRC61</i>	Nitrogen dioxide exposure	5.00E-09	–	29410382	Maternal overweight/obesity	1.80E-10	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>SORCS2</i>	Nitrogen dioxide exposure	5.00E-09	–	29410382	Maternal overweight/obesity, fasting glucose	2.20E-10	–	29016858, 31197173
<i>HECW1</i>	Nitrogen dioxide exposure	5.00E-09	–	29410382	Maternal overweight/obesity	3.40E-09	–	29016858
<i>RGS3</i>	Nitrogen dioxide exposure	5.00E-09	–	29410382	Maternal overweight/obesity, fasting glucose	3.70E-09	–	29016858, 31197173
<i>FAM46B</i>	Air pollution exposure, Nitrogen dioxide exposure	5.00E-09	–	26731791, 29410382	Maternal overweight/obesity	2.00E-08	–	29016858
<i>KCNN3</i>	Nitrogen dioxide exposure	5.10E-09	–	29410382	Maternal overweight/obesity	7.40E-12	–	29016858
<i>IL1F6</i>	Nitrogen dioxide exposure	5.10E-09	–	29410382	Maternal overweight/obesity	3.70E-10	–	29016858
<i>CACNA1D</i>	Nitrogen dioxide exposure	5.10E-09	–	29410382	Maternal overweight/obesity	6.80E-10	–	29016858
<i>SERGEF</i>	Nitrogen dioxide exposure	5.10E-09	–	29410382	Maternal overweight/obesity, Triglycerides	1.40E-09	–	29016858, 31910897
<i>GLIS1</i>	Air pollution exposure, Nitrogen dioxide exposure	5.10E-09	–	26731791, 29410382	Maternal overweight/obesity	1.60E-09	–	29016858
<i>FA2H</i>	Nitrogen dioxide exposure	5.10E-09	–	29410382	Maternal overweight/obesity	3.50E-09	–	29016858
<i>BICC1</i>	Nitrogen dioxide exposure	5.10E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	1.00E-08	–	29016858, 33151971
<i>CNR1</i>	Nitrogen dioxide exposure	5.10E-09	–	29410382	Maternal overweight/obesity	1.60E-08	–	29016858
<i>C5orf47</i>	Nitrogen dioxide exposure	5.10E-09	–	29410382	Maternal overweight/obesity	1.70E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>ALDH7A1</i>	Nitrogen dioxide exposure	5.10E-09	-	29410382	Maternal overweight/obesity	2.20E-08	-	29016858
<i>SIPA1L3</i>	Nitrogen dioxide exposure	5.20E-09	-	29410382	Maternal overweight/obesity	1.50E-09	-	29016858
<i>KRT3</i>	Nitrogen dioxide exposure	5.20E-09	-	29410382	Maternal overweight/obesity	3.70E-08	-	29016858
<i>DISC1;TSNA X-DISC1</i>	Nitrogen dioxide exposure	5.30E-09	-	29410382	Maternal overweight/obesity	4.30E-09	-	29016858
<i>SGPL1</i>	Air pollution exposure, Nitrogen dioxide exposure	5.30E-09	-	26731791, 29410382	Maternal overweight/obesity	1.10E-08	-	29016858
<i>KRTAP17-1</i>	Nitrogen dioxide exposure	5.30E-09	-	29410382	Maternal overweight/obesity	2.30E-08	-	29016858
<i>LDLRAP1</i>	Nitrogen dioxide exposure	5.30E-09	+	29410382	fasting glucose, 1-hour glucose	4.30E-08	+	31197173, 33151971
<i>MYH10</i>	Nitrogen dioxide exposure	5.40E-09	-	29410382	Maternal overweight/obesity	9.80E-10	-	29016858
<i>WNT4</i>	Nitrogen dioxide exposure	5.40E-09	-	29410382	Maternal overweight/obesity	1.30E-09	-	29016858
<i>KIAA1530</i>	Air pollution exposure, Nitrogen dioxide exposure	5.40E-09	-	26731791, 29410382	Maternal overweight/obesity, Obesity, Glucose	6.30E-09	-	29016858, 32788176
<i>EGFL8</i>	Nitrogen dioxide exposure	5.50E-09	-	29410382	Maternal overweight/obesity	8.80E-10	-	29016858
<i>TBXAS1</i>	Nitrogen dioxide exposure	5.50E-09	-	29410382	Maternal overweight/obesity, Systolic blood pressure	2.00E-09	-	29016858
<i>COL13A1</i>	Air pollution exposure, Nitrogen dioxide exposure	5.50E-09	-	26731791, 29410382	Maternal overweight/obesity	4.10E-08	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>SUFU</i>	Nitrogen dioxide exposure	5.60E-09	–	29410382	Maternal overweight/obesity	6.90E-09	–	29016858
<i>ADAM2</i>	Nitrogen dioxide exposure	5.60E-09	–	29410382	Maternal overweight/obesity	1.10E-08	–	29016858
<i>PNLIPRP1</i>	Nitrogen dioxide exposure	5.60E-09	–	29410382	Maternal overweight/obesity	1.20E-08	–	29016858
<i>GEFT</i>	Air pollution exposure, Nitrogen dioxide exposure	5.60E-09	–	26731791, 29410382	Maternal overweight/obesity	1.40E-08	–	29016858
<i>ASAP2</i>	Air pollution exposure, Nitrogen dioxide exposure	5.60E-09	–	26731791, 29410382	Maternal overweight/obesity, Triglycerides in very large HDL	4.00E-08	–	29016858, 32916427
<i>ME3</i>	Nitrogen dioxide exposure	5.60E-09	–	29410382	Maternal overweight/obesity, fasting glucose	4.00E-08	–	29016858, 31197173
<i>PBX1</i>	Nitrogen dioxide exposure	5.60E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose, Diastolic blood pressure	4.80E-08	–	29016858, 33151971
<i>MYO5C</i>	Nitrogen dioxide exposure	5.70E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	3.00E-10	–	29016858, 33151971
<i>FBXW11</i>	Nitrogen dioxide exposure	5.70E-09	–	29410382	Maternal overweight/obesity, fasting glucose, 1-hour glucose	1.90E-09	–	29016858, 31197173, 33151971

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>GNAS</i>	Nitrogen dioxide exposure	5.70E-09	+	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in large VLDL	2.20E-09	–	29016858
<i>DNMT3L</i>	Nitrogen dioxide exposure	5.70E-09	–	29410382	Maternal overweight/obesity	2.60E-09	–	29016858
<i>BAT5</i>	Nitrogen dioxide exposure	5.70E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	1.40E-08	–	29016858, 33151971
<i>HSPB7</i>	Nitrogen dioxide exposure	5.80E-09	–	29410382	Maternal overweight/obesity	5.80E-09	–	29016858
<i>PLEKHA7</i>	Nitrogen dioxide exposure	5.80E-09	–	29410382	Maternal overweight/obesity	4.50E-08	–	29016858
<i>MCC</i>	Nitrogen dioxide exposure	5.90E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	1.20E-10	–	29016858, 33151971
<i>ZBTB20</i>	Nitrogen dioxide exposure	5.90E-09	–	29410382	Maternal overweight/obesity	1.70E-10	–	29016858
<i>C6orf222</i>	Nitrogen dioxide exposure	5.90E-09	–	29410382	Maternal overweight/obesity	3.10E-10	–	29016858
<i>C20orf197</i>	Nitrogen dioxide exposure	5.90E-09	+	29410382	Maternal overweight/obesity	3.80E-10	–	29016858
<i>SPIRE2</i>	Nitrogen dioxide exposure	5.90E-09	–	29410382	Maternal overweight/obesity	4.00E-09	–	29016858
<i>EFNA2</i>	Air pollution exposure, Nitrogen dioxide exposure	5.90E-09	–	26731791, 29410382	Maternal overweight/obesity	2.40E-08	–	29016858
<i>KCNT1</i>	Nitrogen dioxide exposure	6.00E-09	–	29410382	Maternal overweight/obesity	8.40E-11	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>ATXN7L1</i>	Nitrogen dioxide exposure	6.00E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	1.30E-09	–	29016858, 33151971
<i>SLC22A12</i>	Nitrogen dioxide exposure	6.00E-09	–	29410382	Maternal overweight/obesity	3.10E-08	–	29016858
<i>TFF3</i>	Nitrogen dioxide exposure	6.10E-09	–	29410382	Maternal overweight/obesity	2.20E-10	–	29016858
<i>XDH</i>	Nitrogen dioxide exposure	6.10E-09	–	29410382	Maternal overweight/obesity	7.60E-09	–	29016858
<i>CSF1R</i>	Nitrogen dioxide exposure	6.10E-09	–	29410382	Maternal overweight/obesity	2.00E-08	–	29016858
<i>SLC38A3</i>	Nitrogen dioxide exposure	6.10E-09	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in large HDL	2.70E-08	–	29016858
<i>DGKI</i>	Nitrogen dioxide exposure	6.20E-09	–	29410382	Maternal overweight/obesity	1.10E-09	–	29016858
<i>AGRP</i>	Nitrogen dioxide exposure, Particulate matter air pollution	6.20E-09	–	29410382, 32484729	Maternal overweight/obesity	1.90E-08	–	29016858
<i>TSPAN18</i>	Nitrogen dioxide exposure	6.30E-09	–	29410382	Maternal overweight/obesity	2.00E-09	–	29016858, 32916427
<i>CCDC73</i>	Nitrogen dioxide exposure	6.30E-09	–	29410382	Maternal overweight/obesity	1.50E-08	–	29016858
<i>TINAGL1</i>	Nitrogen dioxide exposure	6.30E-09	–	29410382	Maternal overweight/obesity	3.30E-08	–	29016858
<i>PVT1</i>	Air pollution exposure, Nitrogen dioxide exposure	6.30E-09	–	26731791, 29410382	Maternal overweight/obesity	4.70E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>IGSF21</i>	Nitrogen dioxide exposure	6.40E-09	-	29410382	Maternal overweight/obesity	1.30E-09	-	29016858
<i>RUNX1T1</i>	Nitrogen dioxide exposure	6.40E-09	-	29410382	Maternal overweight/obesity	5.80E-09	-	29016858
<i>GRIK5</i>	Nitrogen dioxide exposure	6.40E-09	-	29410382	Maternal overweight/obesity	5.90E-09	-	29016858
<i>SCN11A</i>	Nitrogen dioxide exposure	6.40E-09	-	29410382	Maternal overweight/obesity	7.50E-09	-	29016858
<i>TRIB3</i>	Nitrogen dioxide exposure	6.40E-09	-	29410382	Maternal overweight/obesity	1.60E-08	-	29016858
<i>KEL</i>	Nitrogen dioxide exposure	6.40E-09	-	29410382	Maternal overweight/obesity	1.60E-08	-	29016858
<i>ACTRT2</i>	Air pollution exposure, Nitrogen dioxide exposure	6.40E-09	-	26731791, 29410382	Maternal overweight/obesity	1.70E-08	-	29016858
<i>CYP26B1</i>	Air pollution exposure, Nitrogen dioxide exposure	6.50E-09	-	26731791, 29410382	Maternal overweight/obesity	4.80E-10	-	29016858
<i>SH2D4B</i>	Air pollution exposure, Nitrogen dioxide exposure	6.50E-09	-	26731791, 29410382	Maternal overweight/obesity	5.90E-09	-	29016858
<i>C1orf200;PIK3CD</i>	Nitrogen dioxide exposure	6.50E-09	+	29410382	Maternal overweight/obesity	1.40E-08	+	29016858
<i>TNNT3</i>	Nitrogen dioxide exposure	6.50E-09	-	29410382	Maternal overweight/obesity	3.80E-08	-	29016858
<i>OR6V1</i>	Nitrogen dioxide exposure	6.60E-09	-	29410382	Maternal overweight/obesity	6.60E-10	-	29016858
<i>METTL11B</i>	Nitrogen dioxide exposure	6.60E-09	-	29410382	Maternal overweight/obesity	1.20E-09	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>ATP11A</i>	Air pollution exposure, Nitrogen dioxide exposure	6.60E-09	–	26731791, 29410382	Maternal overweight/obesity, 1-hour glucose, Triglycerides in medium LDL, Triglycerides to total lipids ratio in very large VLDL	2.20E-08	–	29016858, 33151971
<i>SLCO2A1</i>	Nitrogen dioxide exposure	6.60E-09	–	29410382	Maternal overweight/obesity	3.10E-08	–	29016858
<i>DENND3</i>	Air pollution exposure, Nitrogen dioxide exposure	6.70E-09	–	26731791, 29410382	Maternal overweight/obesity, Diastolic blood pressure, Triglycerides in large HDL, Triglycerides to total lipids ratio in very large VLDL	5.00E-10	–	29016858
<i>RGL1</i>	Nitrogen dioxide exposure	6.70E-09	–	29410382	Maternal overweight/obesity	1.70E-09	–	29016858
<i>PRKCZ</i>	Air pollution exposure, Nitrogen dioxide exposure, Particulate matter air pollution	6.70E-09	–	26731791, 29410382, 32484729	Maternal overweight/obesity, fasting glucose	4.10E-09	–	29016858, 31197173
<i>MLC1</i>	Nitrogen dioxide exposure	6.70E-09	–	29410382	Maternal overweight/obesity	2.30E-08	–	29016858
<i>LRRK1</i>	Nitrogen dioxide exposure	6.80E-09	–	29410382	Maternal overweight/obesity	4.60E-10	–	29016858
<i>RUNDC2A</i>	Nitrogen dioxide exposure	6.80E-09	–	29410382	Maternal overweight/obesity	1.40E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>KIAA1199</i>	Air pollution exposure, Nitrogen dioxide exposure	6.90E-09	-	26731791, 29410382	Maternal overweight/obesity, Triglycerides in very large VLDL	7.00E-11	-	29016858
<i>NAA16</i>	Nitrogen dioxide exposure	7.00E-09	+	29410382	Maternal overweight/obesity	4.50E-10	+	29016858
<i>GOLGA3</i>	Nitrogen dioxide exposure	7.00E-09	+	29410382	Maternal overweight/obesity	1.20E-09	+	29016858
<i>AFAP1L2</i>	Nitrogen dioxide exposure	7.00E-09	-	29410382	Maternal overweight/obesity	1.70E-09	-	29016858
<i>PLEKHG5</i>	Nitrogen dioxide exposure	7.00E-09	-	29410382	Maternal overweight/obesity	2.00E-09	-	29016858, 32916427
<i>DNAI2</i>	Nitrogen dioxide exposure	7.00E-09	-	29410382	Maternal overweight/obesity	1.80E-08	-	29016858
<i>B3GAT1</i>	Nitrogen dioxide exposure	7.00E-09	-	29410382	Maternal overweight/obesity, fasting glucose	2.00E-08	-	29016858, 31197173
<i>EHD1</i>	Air pollution exposure, Nitrogen dioxide exposure	7.10E-09	+	26731791, 29410382	Maternal overweight/obesity, Triglycerides in small HDL, Triglycerides in small VLDL, Triglycerides in very small VLDL, Triglycerides to total lipids ratio in medium HDL	1.90E-10	+	29016858
<i>HABP2</i>	Nitrogen dioxide exposure	7.10E-09	-	29410382	Maternal overweight/obesity	2.60E-09	-	29016858
<i>UMODL1</i>	Nitrogen dioxide exposure	7.20E-09	-	29410382	Maternal overweight/obesity	2.30E-10	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>MEGF6;MIR551A</i>	Nitrogen dioxide exposure	7.20E-09	–	29410382	Maternal overweight/obesity	2.90E-09	–	29016858
<i>CD59</i>	Nitrogen dioxide exposure	7.20E-09	–	29410382	Maternal overweight/obesity	8.60E-09	–	29016858
<i>BDKRB1</i>	Nitrogen dioxide exposure	7.30E-09	–	29410382	Maternal overweight/obesity	9.20E-10	–	29016858
<i>COL11A1</i>	Nitrogen dioxide exposure	7.30E-09	–	29410382	Maternal overweight/obesity	1.40E-09	–	29016858
<i>MYO16</i>	Nitrogen dioxide exposure	7.30E-09	–	29410382	Maternal overweight/obesity	1.40E-09	–	29016858
<i>CACNA1E</i>	Nitrogen dioxide exposure	7.30E-09	–	29410382	Maternal overweight/obesity	1.50E-08	–	29016858
<i>CNTN2</i>	Nitrogen dioxide exposure	7.30E-09	–	29410382	Maternal overweight/obesity	2.30E-08	–	29016858
<i>FAM69A</i>	Nitrogen dioxide exposure	7.40E-09	–	29410382	Maternal overweight/obesity	4.50E-10	–	29016858
<i>NPHP4</i>	Air pollution exposure, Nitrogen dioxide exposure	7.40E-09	–	26731791, 29410382	Maternal overweight/obesity	1.10E-08	–	29016858
<i>PACRG</i>	Nitrogen dioxide exposure	7.40E-09	–	29410382	Maternal overweight/obesity	3.00E-08	–	29016858
<i>MARCH10</i>	Nitrogen dioxide exposure	7.40E-09	–	29410382	Maternal overweight/obesity	3.50E-08	–	29016858
<i>FGD6</i>	Nitrogen dioxide exposure	7.50E-09	–	29410382	Maternal overweight/obesity	2.50E-08	–	29016858
<i>TPD52L1</i>	Nitrogen dioxide exposure	7.60E-09	–	29410382	Maternal overweight/obesity	2.10E-09	–	29016858
<i>SLC23A3</i>	Nitrogen dioxide exposure	7.60E-09	–	29410382	Maternal overweight/obesity	3.40E-09	–	29016858
<i>CCDC142</i>	Nitrogen dioxide exposure	7.60E-09	–	29410382	Maternal overweight/obesity	7.30E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>UCHL1</i>	Nitrogen dioxide exposure	7.60E-09	–	29410382	Maternal overweight/obesity	1.00E-08	–	29016858
<i>AADAC</i>	Nitrogen dioxide exposure	7.60E-09	–	29410382	Maternal overweight/obesity	3.60E-08	–	29016858
<i>EDN2</i>	Nitrogen dioxide exposure	7.70E-09	–	29410382	Maternal overweight/obesity	2.10E-10	–	29016858
<i>B3GNTL1</i>	Nitrogen dioxide exposure	7.70E-09	–	29410382	Maternal overweight/obesity, Triglycerides in chylomicrons and extremely large VLDL, Triglycerides in large VLDL	9.40E-09	–	29016858
<i>CRIM1</i>	Nitrogen dioxide exposure	7.80E-09	–	29410382	Maternal overweight/obesity	8.90E-11	–	29016858
<i>PTPRG</i>	Air pollution exposure, Nitrogen dioxide exposure	7.80E-09	–	26731791, 29410382	Maternal overweight/obesity	6.70E-09	–	29016858
<i>SCD5</i>	Nitrogen dioxide exposure	7.90E-09	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in very small VLDL	8.00E-12	–	29016858
<i>TLL2</i>	Nitrogen dioxide exposure	7.90E-09	–	29410382	Maternal overweight/obesity	7.50E-09	–	29016858
<i>LPP</i>	Nitrogen dioxide exposure	8.00E-09	–	29410382	Maternal overweight/obesity	4.90E-10	–	29016858
<i>PRUNE2</i>	Nitrogen dioxide exposure	8.00E-09	–	29410382	Maternal overweight/obesity	2.30E-08	–	29016858
<i>ENAH</i>	Nitrogen dioxide exposure	8.00E-09	–	29410382	Maternal overweight/obesity, Triglycerides	2.60E-08	–	29016858, 31910897

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>TNNT2</i>	Nitrogen dioxide exposure	8.00E-09	–	29410382	Maternal overweight/obesity	3.20E-08	–	29016858
<i>CYP11A1</i>	Nitrogen dioxide exposure	8.00E-09	–	29410382	Maternal overweight/obesity	4.30E-08	–	29016858
<i>FAM20C</i>	Nitrogen dioxide exposure	8.10E-09	–	29410382	Maternal overweight/obesity	5.20E-12	–	29016858
<i>PQLC2</i>	Nitrogen dioxide exposure	8.20E-09	–	29410382	Maternal overweight/obesity	1.30E-11	–	29016858
<i>MAP3K10</i>	Nitrogen dioxide exposure	8.20E-09	–	29410382	Maternal overweight/obesity	1.20E-08	–	29016858
<i>PROKR2</i>	Nitrogen dioxide exposure	8.20E-09	–	29410382	Maternal overweight/obesity, Triglycerides, Triglycerides in large VLDL	2.60E-08	–	29016858
<i>RGMA</i>	Nitrogen dioxide exposure	8.30E-09	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in large LDL, Triglycerides to total lipids ratio in medium LDL, Triglycerides to total lipids ratio in small LDL	9.60E-10	–	29016858
<i>EPOR</i>	Nitrogen dioxide exposure	8.30E-09	–	29410382	Maternal overweight/obesity	2.10E-09	–	29016858
<i>VAC14</i>	Air pollution exposure, Nitrogen dioxide exposure	8.30E-09	–	26731791, 29410382	Maternal overweight/obesity	4.40E-09	–	29016858
<i>C11orf66</i>	Nitrogen dioxide exposure	8.30E-09	–	29410382	Maternal overweight/obesity	6.00E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>BCL9</i>	Nitrogen dioxide exposure	8.30E-09	-	29410382	1-hour glucose	1.00E-08	+	33151971
<i>HCG26</i>	Nitrogen dioxide exposure	8.40E-09	-	29410382	Maternal overweight/obesity	4.20E-08	-	29016858
<i>ZSWIM4</i>	Nitrogen dioxide exposure	8.50E-09	-	29410382	Maternal overweight/obesity	1.00E-08	-	29016858
<i>KCNG4</i>	Nitrogen dioxide exposure	8.50E-09	-	29410382	Maternal overweight/obesity	1.60E-08	-	29016858
<i>CHST11</i>	Nitrogen dioxide exposure	8.60E-09	+	29410382	Serum triglycerides, Maternal overweight/obesity	3.60E-10	+	28213390, 29016858
<i>CMTM5</i>	Nitrogen dioxide exposure	8.60E-09	-	29410382	Maternal overweight/obesity	2.00E-08	-	29016858
<i>MFN2</i>	Nitrogen dioxide exposure	8.60E-09	-	29410382	Maternal overweight/obesity	3.60E-08	-	29016858
<i>TRNP1</i>	Nitrogen dioxide exposure	8.60E-09	-	29410382	Maternal overweight/obesity	3.70E-08	-	29016858
<i>C10orf54;CDH23</i>	Nitrogen dioxide exposure	8.70E-09	+	29410382	Maternal overweight/obesity	1.90E-09	+	29016858
<i>SLC5A9</i>	Nitrogen dioxide exposure	8.70E-09	-	29410382	Maternal overweight/obesity	7.10E-09	-	29016858, 32916427
<i>EXOC4</i>	Nitrogen dioxide exposure	8.70E-09	-	29410382	Maternal overweight/obesity	1.70E-08	-	29016858
<i>KIAA1274</i>	Nitrogen dioxide exposure	8.70E-09	-	29410382	Maternal overweight/obesity, fasting glucose	2.90E-08	-	29016858, 31197173
<i>ARRDC5</i>	Nitrogen dioxide exposure	8.80E-09	-	29410382	Maternal overweight/obesity	1.10E-08	-	29016858
<i>S100A16</i>	Nitrogen dioxide exposure	8.80E-09	-	29410382	Maternal overweight/obesity	3.60E-08	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>PITPNM1</i>	Nitrogen dioxide exposure	8.80E-09	–	29410382	Maternal overweight/obesity	4.30E-08	+	29016858
<i>MUC2</i>	Nitrogen dioxide exposure	8.80E-09	–	29410382	Maternal overweight/obesity	4.50E-08	–	29016858
<i>MBNL2</i>	Nitrogen dioxide exposure	8.90E-09	–	29410382	Maternal overweight/obesity	2.10E-09	–	29016858
<i>LOC400752</i>	Nitrogen dioxide exposure	8.90E-09	–	29410382	Maternal overweight/obesity	2.60E-08	–	29016858
<i>INPP4B</i>	Nitrogen dioxide exposure	9.00E-09	–	29410382	Maternal overweight/obesity	4.90E-09	–	29016858
<i>CAMK2A</i>	Nitrogen dioxide exposure	9.10E-09	–	29410382	Maternal overweight/obesity	2.00E-08	–	29016858
<i>C20orf26</i>	Nitrogen dioxide exposure	9.20E-09	–	29410382	Maternal overweight/obesity	1.30E-10	–	29016858
<i>GALNT9</i>	Nitrogen dioxide exposure	9.20E-09	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in medium VLDL	2.20E-10	–	29016858
<i>PPP2R2C</i>	Nitrogen dioxide exposure	9.20E-09	–	29410382	Maternal overweight/obesity, 2-hour glucose	6.70E-09	–	29016858, 33151971
<i>GRB7</i>	Nitrogen dioxide exposure	9.20E-09	–	29410382	Maternal overweight/obesity	3.10E-08	–	29016858
<i>IL4I1</i>	Nitrogen dioxide exposure	9.20E-09	–	29410382	Maternal overweight/obesity	3.60E-08	–	29016858
<i>DUOXA1</i>	Nitrogen dioxide exposure	9.30E-09	–	29410382	Maternal overweight/obesity	1.40E-08	–	29016858
<i>LOC286135</i>	Nitrogen dioxide exposure	9.40E-09	–	29410382	Maternal overweight/obesity	4.50E-10	–	29016858
<i>CETN1</i>	Nitrogen dioxide exposure	9.40E-09	–	29410382	Maternal overweight/obesity	1.00E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>PGLYRP2</i>	Nitrogen dioxide exposure	9.40E-09	–	29410382	Maternal overweight/obesity	5.30E-09	–	29016858
<i>ACCN4</i>	Air pollution exposure, Nitrogen dioxide exposure	9.50E-09	–	26731791, 29410382	Maternal overweight/obesity	1.20E-10	–	29016858
<i>CCNL2</i>	Nitrogen dioxide exposure	9.50E-09	–	29410382	Maternal overweight/obesity	2.40E-09	–	29016858
<i>KCNH2</i>	Nitrogen dioxide exposure	9.60E-09	–	29410382	Maternal overweight/obesity	1.80E-12	–	29016858
<i>PHC2</i>	Nitrogen dioxide exposure	9.60E-09	–	29410382	Maternal overweight/obesity	1.10E-08	–	29016858
<i>MAML2</i>	Nitrogen dioxide exposure	9.60E-09	–	29410382	Maternal overweight/obesity, 1-hour glucose	2.30E-08	–	29016858, 33151971
<i>KRT18</i>	Nitrogen dioxide exposure	9.60E-09	–	29410382	Maternal overweight/obesity	2.60E-08	–	29016858
<i>ST5</i>	Air pollution exposure, Nitrogen dioxide exposure	9.80E-09	–	26731791, 29410382	Maternal overweight/obesity, Triglycerides in small HDL, Triglycerides to total lipids ratio in small HDL	4.30E-08	–	29016858
<i>PTCRA</i>	Nitrogen dioxide exposure	9.90E-09	–	29410382	Maternal overweight/obesity	2.90E-12	–	29016858
<i>ATP2A3</i>	Nitrogen dioxide exposure	9.90E-09	–	29410382	Maternal overweight/obesity	8.00E-11	–	29016858
<i>PXDN</i>	Nitrogen dioxide exposure	9.90E-09	–	29410382	Maternal overweight/obesity	1.40E-09	–	29016858
<i>ALDH8A1</i>	Air pollution exposure, Nitrogen dioxide exposure	1.00E-08	–	26731791, 29410382	Maternal overweight/obesity	7.10E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>AQP6</i>	Nitrogen dioxide exposure	1.00E-08	–	29410382	Maternal overweight/obesity	9.40E-09	–	29016858
<i>RBM47</i>	Air pollution exposure, Nitrogen dioxide exposure	1.00E-08	–	26731791, 29410382	Maternal overweight/obesity	2.60E-08	–	29016858
<i>HLA-DOA</i>	Nitrogen dioxide exposure	1.00E-08	–	29410382	Maternal overweight/obesity	3.40E-08	–	29016858
<i>RAB11FIP4</i>	Nitrogen dioxide exposure	1.00E-08	–	29410382	Maternal overweight/obesity	3.40E-08	–	29016858
<i>MTNR1B</i>	Nitrogen dioxide exposure	1.00E-08	–	29410382	Maternal overweight/obesity	4.00E-08	–	29016858
<i>EPHB3</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	2.20E-14	–	29016858
<i>DAO</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	4.20E-11	–	29016858
<i>BRSK2</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	7.50E-11	–	29016858
<i>FLII</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity, Diastolic Blood Pressure, Systolic Blood Pressure	6.20E-10	–	29016858, 29198723
<i>FLT4</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	1.70E-09	+	29016858
<i>ABTB2</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	1.90E-09	–	29016858
<i>FLRT1;MACROD1</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	2.40E-09	–	29016858
<i>RYR1</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in large HDL	2.50E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>DARC</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	4.00E-09	–	29016858
<i>C11orf41</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	6.10E-09	–	29016858
<i>PCDHGA4;</i> <i>PCDHGA11;</i> <i>PCDHGA9;</i> <i>PCDHGA1;</i> <i>PCDHGB1;</i> <i>PCDHGB8P;</i> <i>PCDHGB6;</i> <i>PCDHGB3;</i> <i>PCDHGB7;</i> <i>PCDHGA6;</i> <i>PCDHGA8;</i> <i>PCDHGA10;</i> <i>PCDHGA5;</i> <i>PCDHGB4;</i> <i>PCDHGA3;</i> <i>PCDHGA2;</i> <i>PCDHGB2;</i> <i>PCDHGA7;</i> <i>PCDHGB5</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	9.80E-09	–	29016858
<i>HEXDC</i>	Air pollution exposure, Nitrogen dioxide exposure	1.10E-08	–	26731791, 29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>ZNF862</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>PSCA</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	1.40E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>FAM108C1</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	1.40E-08	–	29016858
<i>OR4D10</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	1.80E-08	–	29016858
<i>SRGAP2</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	2.10E-08	–	29016858
<i>FAM135A</i>	Nitrogen dioxide exposure	1.10E-08	–	29410382	Maternal overweight/obesity	4.50E-08	–	29016858
<i>ATP8B1</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	5.80E-11	–	29016858
<i>ADCY3</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	7.10E-11	–	29016858
<i>LRRN2</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	1.60E-10	–	29016858
<i>CSF2</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity, fasting glucose	2.70E-10	–	29016858, 31197173
<i>C1orf203</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	3.30E-10	–	29016858
<i>CASZ1</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity, Triglycerides in very small VLDL	3.50E-10	–	29016858
<i>LOC642587; MIR205</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	5.40E-10	–	29016858
<i>KIAA1609</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	7.60E-10	–	29016858
<i>MET</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	1.40E-09	–	29016858
<i>ZNF365</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	2.30E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>SLC39A4</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	2.70E-09	–	29016858
<i>OR4D11</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	3.60E-09	–	29016858
<i>A2BP1</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in large LDL	4.80E-09	–	29016858
<i>AKT1S1</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	5.70E-09	–	29016858
<i>MGC26597</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	6.20E-09	–	29016858
<i>BEGAIN</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	9.80E-09	–	29016858
<i>OMP;CAPN5</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>COL5A1</i>	Air pollution exposure, Nitrogen dioxide exposure	1.20E-08	–	26731791, 29410382	Maternal overweight/obesity	1.70E-08	–	29016858
<i>TMEM211</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	3.10E-08	–	29016858
<i>GDNF</i>	Nitrogen dioxide exposure	1.20E-08	–	29410382	Maternal overweight/obesity	3.40E-08	–	29016858
<i>RAD51L1</i>	Nitrogen dioxide exposure	1.30E-08	–	29410382	Maternal overweight/obesity	1.60E-10	–	29016858
<i>TH</i>	Nitrogen dioxide exposure	1.30E-08	–	29410382	Maternal overweight/obesity	1.80E-09	–	29016858
<i>SEMA5B</i>	Nitrogen dioxide exposure	1.30E-08	–	29410382	Maternal overweight/obesity	2.30E-09	–	29016858
<i>C19orf21</i>	Nitrogen dioxide exposure	1.30E-08	–	29410382	Maternal overweight/obesity	8.60E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>SLC29A4</i>	Nitrogen dioxide exposure	1.30E-08	–	29410382	Maternal overweight/obesity	8.90E-09	–	29016858
<i>LIMCH1</i>	Nitrogen dioxide exposure	1.30E-08	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>ADAM8</i>	Nitrogen dioxide exposure	1.30E-08	–	29410382	Maternal overweight/obesity, Diastolic Blood Pressure, Systolic Blood Pressure, fasting glucose	1.50E-08	–	29016858, 29198723, 31197173
<i>ZNF385A</i>	Nitrogen dioxide exposure	1.30E-08	–	29410382	Maternal overweight/obesity	1.50E-08	–	29016858
<i>SHF</i>	Nitrogen dioxide exposure	1.30E-08	–	29410382	Maternal overweight/obesity	2.20E-08	–	29016858
<i>LOC407835</i>	Nitrogen dioxide exposure	1.30E-08	–	29410382	Maternal overweight/obesity	2.30E-08	–	29016858
<i>FXYD5</i>	Nitrogen dioxide exposure	1.40E-08	–	29410382	Maternal overweight/obesity	9.40E-12	–	29016858
<i>CIQC</i>	Nitrogen dioxide exposure	1.40E-08	–	29410382	Maternal overweight/obesity	3.20E-10	–	29016858
<i>SEMA3B</i>	Air pollution exposure, Nitrogen dioxide exposure	1.40E-08	–	26731791, 29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in very large VLDL	3.90E-10	–	29016858
<i>ASAM</i>	Nitrogen dioxide exposure	1.40E-08	–	29410382	Maternal overweight/obesity	6.30E-10	–	29016858
<i>PTMS</i>	Nitrogen dioxide exposure	1.40E-08	–	29410382	Maternal overweight/obesity	2.80E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>LRP5</i>	Nitrogen dioxide exposure	1.40E-08	-	29410382	Maternal overweight/obesity, Triglycerides in HDL, Triglycerides to total lipids ratio in IDL, Triglycerides to total lipids ratio in large HDL, Triglycerides to total lipids ratio in very large HDL	1.50E-08	-	29016858
<i>CAPZB</i>	Nitrogen dioxide exposure, Particulate matter <2.5um (PM2.5)	1.40E-08	-	29410382	Maternal overweight/obesity, 1-hour glucose	1.80E-08	-	29016858, 33151971
<i>CNIH3</i>	Air pollution exposure, Nitrogen dioxide exposure	1.40E-08	-	26731791, 29410382	Maternal overweight/obesity	1.90E-08	-	29016858
<i>UBASH3B</i>	Nitrogen dioxide exposure	1.40E-08	-	29410382	Maternal overweight/obesity	2.20E-08	-	29016858
<i>NCALD</i>	Nitrogen dioxide exposure	1.40E-08	-	29410382	Maternal overweight/obesity	2.40E-08	-	29016858
<i>YAP1</i>	Nitrogen dioxide exposure	1.40E-08	-	29410382	Maternal overweight/obesity	3.10E-08	-	29016858
<i>SEMA4F</i>	Nitrogen dioxide exposure	1.40E-08	-	29410382	Maternal overweight/obesity	3.20E-08	-	29016858
<i>NOSIP</i>	Nitrogen dioxide exposure	1.40E-08	+	29410382	Maternal overweight/obesity, Triglycerides in large HDL	3.40E-08	+	29016858
<i>TCF3</i>	Air pollution exposure, Nitrogen dioxide exposure	1.40E-08	-	26731791, 29410382	Maternal overweight/obesity	4.10E-08	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>RBPMS</i>	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal obesity, Maternal overweight/obesity	9.10E-12	–	25855720, 29016858
<i>ANKRD11</i>	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal overweight/obesity, Diastolic Blood Pressure, Systolic Blood Pressure, fasting glucose, 1-hour glucose, Ratio of triglycerides to phosphoglycerides, Triglycerides, Triglycerides in large VLDL	2.50E-10	–	29016858, 29198723, 31197173, 33151971
<i>GP1BA</i>	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal overweight/obesity	3.90E-10	–	29016858
<i>B3GNT3</i>	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal overweight/obesity, 1-hour glucose	2.40E-09	–	29016858, 33151971
<i>TMEM86A</i>	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal overweight/obesity	3.60E-09	–	29016858
<i>ZNF692</i>	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal overweight/obesity, Triglycerides in large HDL	5.90E-09	+	29016858
<i>FAM189A1</i>	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal overweight/obesity	8.40E-09	–	29016858
<i>WFDC10B;</i> <i>WFDC13</i>	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal overweight/obesity	1.00E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>RPTOR</i>	Air pollution exposure, Prenatal NO2 exposure, Nitrogen dioxide exposure	1.50E-08	–	26731791, 27448387, 29410382	Maternal overweight/obesity, 1-hour glucose, Triglycerides in IDL, Triglycerides in large LDL, Triglycerides to total lipids ratio in large HDL, Triglycerides to total lipids ratio in very large HDL	2.30E-08	–	29016858, 33151971
<i>CPE;MIR197</i> 9	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal overweight/obesity	2.40E-08	–	29016858
<i>ARID3A</i>	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal overweight/obesity, 1-hour glucose	2.70E-08	–	29016858, 33151971
<i>EPHX1</i>	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal overweight/obesity	2.90E-08	–	29016858
<i>KCNJ16</i>	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal overweight/obesity	4.30E-08	–	29016858
<i>LRRC31</i>	Nitrogen dioxide exposure	1.50E-08	–	29410382	Maternal overweight/obesity	4.60E-08	–	29016858
<i>DDR1</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity	1.50E-12	–	29016858
<i>ZMIZ1</i>	Air pollution exposure, Nitrogen dioxide exposure	1.60E-08	–	26731791, 29410382	Diastolic Blood Pressure, Systolic Blood Pressure, Triglycerides, Triglycerides in small HDL	2.00E-11	–	29198723

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>KIAA0146</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity, Ratio of triglycerides to phosphoglycerides, Triglycerides in large VLDL, Triglycerides in very large VLDL	4.40E-11	–	29016858
<i>FSCN1</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity	5.10E-11	–	29016858
<i>C3orf52;MIR567</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity	1.70E-09	–	29016858
<i>SEPNI</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity	1.70E-09	–	29016858
<i>SMOC2</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity, Triglycerides in chylomicrons and extremely large VLDL	4.00E-09	–	29016858
<i>MTMR11</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity	5.10E-09	–	29016858
<i>PIK3CD</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity, Triglycerides in small HDL	1.10E-08	–	29016858
<i>DOCK2</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity	1.40E-08	–	29016858
<i>WDR27</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity	1.60E-08	–	29016858
<i>LFNG</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity	3.20E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>RNLS</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity, Triglycerides, Ratio of triglycerides to phosphoglycerides, Triglycerides in chylomicrons and extremely large VLDL	3.30E-08	–	29016858, 31910897
<i>KIF26B</i>	Nitrogen dioxide exposure	1.60E-08	–	29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in medium HDL, Triglycerides to total lipids ratio in small HDL	3.80E-08	–	29016858
<i>CDH29</i>	Nitrogen dioxide exposure	1.70E-08	–	29410382	Maternal overweight/obesity	3.50E-10	–	29016858
<i>HGFAC</i>	Nitrogen dioxide exposure	1.70E-08	–	29410382	Maternal overweight/obesity	2.10E-09	–	29016858
<i>TNC</i>	Nitrogen dioxide exposure	1.70E-08	–	29410382	Maternal overweight/obesity	5.40E-09	–	29016858
<i>TLN2</i>	Nitrogen dioxide exposure	1.70E-08	–	29410382	Maternal overweight/obesity	5.40E-09	–	29016858
<i>TRIM50</i>	Nitrogen dioxide exposure	1.70E-08	–	29410382	Maternal overweight/obesity	1.00E-08	–	29016858
<i>ADAD1</i>	Nitrogen dioxide exposure	1.70E-08	–	29410382	Maternal overweight/obesity	1.90E-08	–	29016858
<i>ITGA7</i>	Nitrogen dioxide exposure	1.70E-08	–	29410382	Maternal overweight/obesity	3.00E-08	–	29016858
<i>TRPM2</i>	Nitrogen dioxide exposure	1.70E-08	–	29410382	Maternal overweight/obesity, Glucose	4.00E-08	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>COBL</i>	Nitrogen dioxide exposure	1.70E-08	-	29410382	Maternal overweight/obesity, 1-hour glucose	4.00E-08	-	29016858, 33151971
<i>HTA</i>	Nitrogen dioxide exposure	1.70E-08	-	29410382	Maternal overweight/obesity	4.10E-08	-	29016858
<i>MYOF</i>	Nitrogen dioxide exposure	1.70E-08	-	29410382	Maternal overweight/obesity, 1-hour glucose	4.20E-08	-	29016858, 33151971
<i>AIM1L</i>	Nitrogen dioxide exposure	1.70E-08	-	29410382	Maternal overweight/obesity	4.30E-08	-	29016858
<i>BLVRA</i>	Nitrogen dioxide exposure	1.70E-08	-	29410382	Maternal overweight/obesity	4.60E-08	-	29016858
<i>NSD1</i>	Nitrogen dioxide exposure	1.70E-08	-	29410382	Maternal overweight/obesity	4.60E-08	-	29016858
<i>GPR78</i>	Nitrogen dioxide exposure	1.70E-08	-	29410382	Maternal overweight/obesity, fasting glucose	4.90E-08	-	29016858, 31197173
<i>LOC100188949</i>	Nitrogen dioxide exposure	1.80E-08	+	29410382	Maternal overweight/obesity	1.40E-11	+	29016858
<i>FBXO10</i>	Nitrogen dioxide exposure	1.80E-08	-	29410382	Maternal overweight/obesity	1.10E-10	-	29016858
<i>AGPAT1</i>	Air pollution exposure, Nitrogen dioxide exposure	1.80E-08	-	26731791, 29410382	Maternal overweight/obesity	3.00E-10	-	29016858
<i>SCGB1A1</i>	Nitrogen dioxide exposure	1.80E-08	-	29410382	Maternal overweight/obesity	9.00E-10	-	29016858
<i>ROBO4</i>	Nitrogen dioxide exposure	1.80E-08	-	29410382	Maternal overweight/obesity	1.20E-09	-	29016858
<i>UBE2U</i>	Nitrogen dioxide exposure	1.80E-08	-	29410382	Maternal overweight/obesity	2.10E-09	-	29016858
<i>H1FOO</i>	Nitrogen dioxide exposure	1.80E-08	-	29410382	Maternal overweight/obesity	3.00E-09	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>SPTB</i>	Nitrogen dioxide exposure	1.80E-08	-	29410382	fasting glucose	3.20E-09	-	31197173
<i>C10orf18</i>	Nitrogen dioxide exposure	1.80E-08	+	29410382	Maternal overweight/obesity	7.20E-09	+	29016858
<i>ITGB7</i>	Air pollution exposure, Nitrogen dioxide exposure	1.80E-08	+	26731791, 29410382	Maternal overweight/obesity	1.20E-08	-	29016858
<i>DPYSL2</i>	Nitrogen dioxide exposure	1.80E-08	-	29410382	Maternal overweight/obesity	1.30E-08	-	29016858
<i>GJB4</i>	Prenatal NO2 exposure, Nitrogen dioxide exposure	1.80E-08	-	27448387, 29410382	Maternal overweight/obesity	1.50E-08	-	29016858
<i>PPP1R1A</i>	Nitrogen dioxide exposure	1.80E-08	-	29410382	Maternal overweight/obesity	2.20E-08	-	29016858
<i>LHPP</i>	Air pollution exposure, Nitrogen dioxide exposure	1.80E-08	-	26731791, 29410382	Maternal overweight/obesity	3.00E-08	-	29016858
<i>TSPYL6;ACY P2</i>	Air pollution exposure, Nitrogen dioxide exposure	1.86E-08	+	26731791, 29410382	Maternal overweight/obesity	1.90E-11	-	29016858
<i>WIPF1</i>	Nitrogen dioxide exposure	1.90E-08	+	29410382	Maternal overweight/obesity	6.60E-10	+	29016858
<i>CAMP</i>	Nitrogen dioxide exposure	1.90E-08	-	29410382	Maternal overweight/obesity	3.90E-09	+	29016858
<i>GABRD</i>	Nitrogen dioxide exposure	1.90E-08	-	29410382	Maternal overweight/obesity	6.30E-09	-	29016858
<i>SLC45A4</i>	Air pollution exposure, Nitrogen dioxide exposure	1.90E-08	-	26731791, 29410382	Maternal overweight/obesity, 1-hour glucose	1.20E-08	-	29016858, 33151971
<i>VPS52</i>	Nitrogen dioxide exposure	1.90E-08	-	29410382	Maternal overweight/obesity	1.20E-08	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>C7orf41</i>	Nitrogen dioxide exposure	1.90E-08	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>RABGGTA</i>	Nitrogen dioxide exposure	1.90E-08	–	29410382	Maternal overweight/obesity	1.70E-08	–	29016858
<i>CCDC40</i>	Nitrogen dioxide exposure	2.00E-08	–	29410382	Maternal overweight/obesity	2.10E-10	–	29016858
<i>MVP</i>	Air pollution exposure, Nitrogen dioxide exposure	2.00E-08	–	26731791, 29410382	Maternal overweight/obesity	9.40E-10	–	29016858
<i>MEG3</i>	Nitrogen dioxide exposure	2.00E-08	–	29410382	Maternal overweight/obesity	1.10E-09	–	29016858
<i>HPX</i>	Nitrogen dioxide exposure	2.00E-08	–	29410382	Maternal overweight/obesity	1.70E-09	–	29016858
<i>CDH13</i>	Nitrogen dioxide exposure	2.00E-08	–	29410382	Maternal overweight/obesity, fasting glucose	4.30E-09	–	29016858, 31197173
<i>SERPINA6</i>	Nitrogen dioxide exposure	2.00E-08	–	29410382	Maternal overweight/obesity	4.60E-09	–	29016858
<i>KSRI</i>	Nitrogen dioxide exposure	2.00E-08	–	29410382	Maternal overweight/obesity	3.90E-08	–	29016858
<i>CUX1</i>	Air pollution exposure, Nitrogen dioxide exposure	2.00E-08	–	26731791, 29410382	Maternal overweight/obesity	4.80E-08	–	29016858
<i>EFNA1</i>	Nitrogen dioxide exposure	2.10E-08	–	29410382	Maternal overweight/obesity	8.70E-10	–	29016858
<i>SAMD5</i>	Nitrogen dioxide exposure	2.10E-08	–	29410382	Maternal overweight/obesity	1.10E-09	–	29016858
<i>C14orf180</i>	Nitrogen dioxide exposure	2.10E-08	–	29410382	Maternal overweight/obesity	4.00E-09	–	29016858
<i>PACSIN1</i>	Air pollution exposure, Nitrogen dioxide exposure	2.10E-08	–	26731791, 29410382	Maternal overweight/obesity, 1-hour glucose	1.30E-08	–	29016858, 33151971

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>GPR35</i>	Nitrogen dioxide exposure	2.10E-08	–	29410382	Maternal overweight/obesity	2.50E-08	–	29016858
<i>SEMA6B</i>	Nitrogen dioxide exposure	2.10E-08	–	29410382	Maternal overweight/obesity	3.00E-08	–	29016858
<i>GPR113</i>	Nitrogen dioxide exposure	2.10E-08	–	29410382	Maternal overweight/obesity	4.20E-08	–	29016858
<i>FBXO2</i>	Nitrogen dioxide exposure	2.10E-08	–	29410382	Maternal overweight/obesity	4.80E-08	–	29016858
<i>TBL3</i>	Air pollution exposure, Nitrogen dioxide exposure	2.20E-08	–	26731791, 29410382	Change in maternal diastolic blood pressure across pregnancy, Change in maternal diastolic blood pressure between second and third trimester, Change in maternal systolic blood pressure across pregnancy, Change in maternal systolic blood pressure between second and third trimester, Maternal diastolic blood pressure, Maternal systolic blood pressure	1.70E-15	NA	32078381
<i>CSTT</i>	Nitrogen dioxide exposure	2.20E-08	–	29410382	Maternal overweight/obesity	3.60E-11	–	29016858
<i>TTC13</i>	Nitrogen dioxide exposure	2.20E-08	–	29410382	Maternal overweight/obesity, 1-hour glucose	1.20E-10	–	29016858, 33151971

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>CDYL2</i>	Nitrogen dioxide exposure	2.20E-08	-	29410382	Maternal overweight/obesity	2.40E-10	-	29016858
<i>MMP14</i>	Nitrogen dioxide exposure	2.20E-08	-	29410382	Maternal overweight/obesity	2.50E-10	-	29016858
<i>HIF0</i>	Nitrogen dioxide exposure	2.20E-08	-	29410382	Maternal overweight/obesity, Diastolic Blood Pressure, Systolic Blood Pressure	6.00E-10	-	29016858, 29198723
<i>A2ML1</i>	Nitrogen dioxide exposure	2.20E-08	-	29410382	Maternal overweight/obesity	7.60E-10	-	29016858
<i>LYN</i>	Nitrogen dioxide exposure	2.20E-08	+	29410382	Maternal overweight/obesity	1.50E-09	+	29016858
<i>C1orf159</i>	Air pollution exposure, Nitrogen dioxide exposure	2.20E-08	-	26731791, 29410382	Maternal overweight/obesity	3.80E-09	-	29016858
<i>HOXB1</i>	Nitrogen dioxide exposure	2.20E-08	-	29410382	Maternal overweight/obesity	2.10E-08	-	29016858
<i>CACNA1B</i>	Nitrogen dioxide exposure	2.20E-08	-	29410382	Maternal overweight/obesity	2.90E-08	-	29016858
<i>ADCY5</i>	Nitrogen dioxide exposure	2.20E-08	-	29410382	Maternal overweight/obesity, 1-hour glucose	3.70E-08	-	29016858, 33151971
<i>KIF2B</i>	Nitrogen dioxide exposure	2.20E-08	-	29410382	Maternal overweight/obesity	4.30E-08	-	29016858
<i>NTN5;SEC1</i>	Nitrogen dioxide exposure	2.30E-08	-	29410382	Maternal overweight/obesity	2.10E-11	-	29016858
<i>CHRN2</i>	Nitrogen dioxide exposure	2.30E-08	-	29410382	Maternal overweight/obesity	1.80E-09	-	29016858
<i>SYN2</i>	Nitrogen dioxide exposure	2.30E-08	-	29410382	Maternal overweight/obesity	4.10E-09	-	29016858
<i>DLC1</i>	Nitrogen dioxide exposure	2.30E-08	-	29410382	Maternal overweight/obesity	6.10E-09	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>DHCR7</i>	Nitrogen dioxide exposure	2.30E-08	–	29410382	Maternal overweight/obesity	7.90E-09	–	29016858
<i>GJA5</i>	Nitrogen dioxide exposure	2.30E-08	–	29410382	Maternal overweight/obesity	8.00E-09	–	29016858
<i>AJAPI</i>	Nitrogen dioxide exposure	2.30E-08	–	29410382	Maternal overweight/obesity, Triglycerides	9.70E-09	–	29016858, 31910897, 32916427
<i>DHDPSL</i>	Nitrogen dioxide exposure	2.30E-08	–	29410382	Maternal overweight/obesity	2.40E-08	–	29016858
<i>C14orf73</i>	Air pollution exposure, Nitrogen dioxide exposure	2.30E-08	–	26731791, 29410382	Maternal overweight/obesity	2.90E-08	–	29016858
<i>EXPH5</i>	Nitrogen dioxide exposure	2.40E-08	–	29410382	Maternal overweight/obesity	4.30E-15	–	29016858
<i>MFAP2</i>	Nitrogen dioxide exposure	2.40E-08	–	29410382	Maternal overweight/obesity	2.80E-10	–	29016858
<i>HLA-L</i>	Nitrogen dioxide exposure	2.40E-08	–	29410382	Maternal overweight/obesity	7.40E-10	–	29016858
<i>WISP3</i>	Nitrogen dioxide exposure	2.40E-08	–	29410382	Maternal overweight/obesity	3.00E-09	–	29016858
<i>LRP1</i>	Air pollution exposure, Nitrogen dioxide exposure	2.40E-08	–	26731791, 29410382	Maternal overweight/obesity	3.40E-09	–	29016858
<i>TTC38</i>	Nitrogen dioxide exposure	2.40E-08	–	29410382	Maternal overweight/obesity, fasting glucose	4.30E-09	–	29016858, 31197173
<i>AMZ1</i>	Air pollution exposure, Nitrogen dioxide exposure	2.40E-08	–	26731791, 29410382	Maternal overweight/obesity	7.70E-09	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>FAM129B</i>	Nitrogen dioxide exposure	2.40E-08	-	29410382	Maternal obesity	1.39E-08	-	25855720
<i>TGM6</i>	Nitrogen dioxide exposure	2.40E-08	-	29410382	Maternal overweight/obesity	1.40E-08	-	29016858
<i>KRT35</i>	Nitrogen dioxide exposure	2.40E-08	-	29410382	Maternal overweight/obesity	2.70E-08	-	29016858
<i>BPHL</i>	Air pollution exposure, Nitrogen dioxide exposure	2.40E-08	-	26731791, 29410382	Maternal overweight/obesity	3.00E-08	-	29016858
<i>BMP6</i>	Nitrogen dioxide exposure	2.50E-08	-	29410382	Maternal overweight/obesity	3.30E-12	-	29016858
<i>SPATA13</i>	Nitrogen dioxide exposure	2.50E-08	-	29410382	Maternal overweight/obesity	2.80E-10	-	29016858
<i>LIN7A;MIR617</i>	Nitrogen dioxide exposure	2.50E-08	-	29410382	Maternal overweight/obesity	7.90E-10	-	29016858
<i>THBS2</i>	Nitrogen dioxide exposure	2.50E-08	-	29410382	Maternal overweight/obesity	1.70E-09	-	29016858
<i>NRP2</i>	Nitrogen dioxide exposure	2.50E-08	-	29410382	Maternal overweight/obesity	2.60E-09	-	29016858
<i>BMP1</i>	Air pollution exposure, Nitrogen dioxide exposure	2.50E-08	-	26731791, 29410382	Maternal overweight/obesity	1.50E-08	-	29016858
<i>ANK1</i>	Nitrogen dioxide exposure	2.50E-08	-	29410382	Maternal overweight/obesity	2.80E-08	+	29016858
<i>GPT2</i>	Nitrogen dioxide exposure	2.60E-08	-	29410382	Maternal overweight/obesity	1.90E-09	-	29016858
<i>MIR377</i>	Nitrogen dioxide exposure	2.60E-08	-	29410382	Maternal overweight/obesity	4.10E-09	-	29016858
<i>MYLK4</i>	Nitrogen dioxide exposure	2.60E-08	-	29410382	Maternal overweight/obesity	2.40E-08	-	29016858
<i>APOL6</i>	Nitrogen dioxide exposure	2.60E-08	+	29410382	Maternal overweight/obesity	4.10E-08	+	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>LOC100132354</i>	Air pollution exposure, Nitrogen dioxide exposure	2.70E-08	-	26731791, 29410382	Maternal overweight/obesity, Diastolic Blood Pressure, Systolic Blood Pressure	2.20E-21	-	29016858, 29198723
<i>ACSL6</i>	Nitrogen dioxide exposure	2.70E-08	-	29410382	Maternal overweight/obesity	9.20E-11	-	29016858
<i>WNT8A</i>	Air pollution exposure, Nitrogen dioxide exposure	2.70E-08	-	26731791, 29410382	Maternal overweight/obesity	1.20E-08	-	29016858
<i>CORO2A</i>	Nitrogen dioxide exposure	2.70E-08	-	29410382	Maternal overweight/obesity, fasting glucose	1.40E-08	-	29016858, 31197173
<i>COL23A1</i>	Nitrogen dioxide exposure	2.70E-08	-	29410382	Maternal overweight/obesity	1.50E-08	-	29016858
<i>FAM170B</i>	Nitrogen dioxide exposure	2.70E-08	-	29410382	Maternal overweight/obesity	2.50E-08	-	29016858
<i>ERI3</i>	Nitrogen dioxide exposure	2.70E-08	-	29410382	Maternal overweight/obesity	4.30E-08	-	29016858
<i>PRAGMIN</i>	Air pollution exposure, Nitrogen dioxide exposure	2.80E-08	+	26731791, 29410382	Maternal overweight/obesity	1.70E-09	-	29016858
<i>BRUNOLA</i>	Nitrogen dioxide exposure	2.80E-08	-	29410382	Maternal overweight/obesity	5.10E-09	-	29016858
<i>IL12A</i>	Nitrogen dioxide exposure	2.80E-08	-	29410382	Maternal overweight/obesity	6.80E-09	-	29016858
<i>BRSK1</i>	Nitrogen dioxide exposure	2.80E-08	-	29410382	Maternal overweight/obesity, Triglycerides, Triglycerides in small HDL	1.20E-08	-	29016858
<i>MRAP</i>	Nitrogen dioxide exposure	2.80E-08	-	29410382	Maternal overweight/obesity	1.80E-08	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>CNTNAP1</i>	Nitrogen dioxide exposure	2.80E-08	–	29410382	Maternal overweight/obesity	2.30E-08	–	29016858
<i>ACSF2</i>	Nitrogen dioxide exposure	2.80E-08	–	29410382	Maternal overweight/obesity	4.40E-08	–	29016858
<i>UNC5B</i>	Nitrogen dioxide exposure	2.90E-08	–	29410382	Maternal overweight/obesity	8.70E-11	–	29016858
<i>TRPM5</i>	Nitrogen dioxide exposure	2.90E-08	–	29410382	Maternal overweight/obesity, Triglycerides in HDL, Triglycerides to total lipids ratio in large HDL	1.50E-10	–	29016858
<i>LRRN1</i>	Air pollution exposure, Nitrogen dioxide exposure	2.90E-08	–	26731791, 29410382	Maternal overweight/obesity	4.10E-10	–	29016858
<i>SLC6A3</i>	Nitrogen dioxide exposure	2.90E-08	–	29410382	Maternal overweight/obesity	5.30E-10	–	29016858
<i>TMEM176B</i>	Nitrogen dioxide exposure	2.90E-08	–	29410382	Maternal overweight/obesity	7.50E-10	–	29016858
<i>MIR200A;MIR429</i>	Nitrogen dioxide exposure	2.90E-08	–	29410382	Maternal overweight/obesity	1.60E-09	–	29016858
<i>CYFIP1</i>	Nitrogen dioxide exposure	2.90E-08	–	29410382	Maternal overweight/obesity	7.80E-09	–	29016858
<i>MIR642;GIPR</i>	Nitrogen dioxide exposure	2.90E-08	–	29410382	Maternal overweight/obesity	2.60E-08	–	29016858
<i>CST9L</i>	Nitrogen dioxide exposure	2.90E-08	–	29410382	Maternal overweight/obesity	3.40E-08	–	29016858
<i>IARS2;MIR194-1;MIR215</i>	Nitrogen dioxide exposure	2.90E-08	–	29410382	Maternal overweight/obesity	4.40E-08	–	29016858
<i>GPR61</i>	Nitrogen dioxide exposure	3.00E-08	–	29410382	Maternal overweight/obesity	6.50E-13	–	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>VWF</i>	Nitrogen dioxide exposure	3.00E-08	–	29410382	Maternal overweight/obesity, 1-hour glucose	6.20E-11	–	29016858, 33151971
<i>VPS13D</i>	Nitrogen dioxide exposure	3.00E-08	–	29410382	Maternal overweight/obesity, fasting glucose	1.60E-10	–	29016858, 31197173
<i>CHCHD6</i>	Nitrogen dioxide exposure	3.00E-08	–	29410382	Maternal overweight/obesity	1.10E-09	–	29016858
<i>FGGY</i>	Nitrogen dioxide exposure	3.00E-08	–	29410382	Maternal overweight/obesity	1.60E-09	–	29016858
<i>PEX14</i>	Nitrogen dioxide exposure	3.00E-08	–	29410382	Maternal overweight/obesity	6.50E-09	–	29016858
<i>ESYT3</i>	Nitrogen dioxide exposure	3.00E-08	–	29410382	Maternal overweight/obesity	1.30E-08	–	29016858
<i>GYLTL1B</i>	Nitrogen dioxide exposure	3.00E-08	–	29410382	Maternal overweight/obesity	3.00E-08	–	29016858
<i>BAIAP2</i>	Air pollution exposure, Nitrogen dioxide exposure	3.10E-08	–	26731791, 29410382	Maternal overweight/obesity, Triglycerides to total lipids ratio in small HDL	1.30E-10	–	29016858
<i>ERGIC1</i>	Nitrogen dioxide exposure	3.10E-08	–	29410382	Maternal overweight/obesity	9.80E-10	–	29016858
<i>ZDHHC14</i>	Air pollution exposure, Nitrogen dioxide exposure	3.10E-08	–	26731791, 29410382	Diastolic Blood Pressure, Systolic Blood Pressure, Triglycerides	2.60E-08	–	29198723, 31910897
<i>PRR5L</i>	Air pollution exposure, Nitrogen dioxide exposure	3.20E-08	–	26731791, 29410382	Maternal overweight/obesity, fasting glucose, 1-hour glucose	2.60E-12	–	29016858, 31197173, 33151971

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>BCAM</i>	Nitrogen dioxide exposure	3.20E-08	-	29410382	Maternal overweight/obesity, 1-hour glucose	2.20E-11	-	29016858, 33151971
<i>ASB14</i>	Nitrogen dioxide exposure	3.20E-08	-	29410382	Maternal overweight/obesity	8.20E-11	-	29016858
<i>CYFIP2</i>	Nitrogen dioxide exposure	3.20E-08	+	29410382	Maternal overweight/obesity	7.60E-09	+	29016858
<i>LOXL1</i>	Nitrogen dioxide exposure	3.20E-08	-	29410382	Maternal overweight/obesity	2.30E-08	-	29016858
<i>KLHL26</i>	Nitrogen dioxide exposure	3.30E-08	-	29410382	Maternal overweight/obesity	3.80E-10	-	29016858
<i>CAMK2B</i>	Nitrogen dioxide exposure	3.30E-08	-	29410382	Maternal diastolic blood pressure, Maternal systolic blood pressure	2.20E-08	NA	32078381
<i>CDC42EP3</i>	Nitrogen dioxide exposure	3.30E-08	-	29410382	Maternal overweight/obesity	3.10E-08	-	29016858
<i>GRAMD1B</i>	Nitrogen dioxide exposure	3.40E-08	-	29410382	Maternal overweight/obesity	7.80E-12	-	29016858
<i>MPZ</i>	Nitrogen dioxide exposure	3.40E-08	-	29410382	Maternal overweight/obesity	3.20E-11	-	29016858
<i>AVPR1B</i>	Nitrogen dioxide exposure	3.40E-08	-	29410382	Maternal overweight/obesity	1.50E-09	-	29016858
<i>SLC28A1</i>	Nitrogen dioxide exposure	3.40E-08	-	29410382	Maternal overweight/obesity	8.90E-09	-	29016858
<i>SLC2A2</i>	Nitrogen dioxide exposure	3.40E-08	-	29410382	Maternal overweight/obesity	1.80E-08	-	29016858
<i>PAX5</i>	Nitrogen dioxide exposure	3.40E-08	-	29410382	Maternal overweight/obesity	2.00E-08	-	29016858
<i>SOX6</i>	Nitrogen dioxide exposure	3.40E-08	+	29410382	Maternal overweight/obesity	3.90E-08	+	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>NR4A1</i>	Nitrogen dioxide exposure	3.50E-08	-	29410382	Maternal overweight/obesity	5.20E-09	-	29016858
<i>GNG2</i>	Nitrogen dioxide exposure	3.50E-08	+	29410382	Maternal overweight/obesity	1.20E-08	-	29016858
<i>MAP3K6</i>	Nitrogen dioxide exposure	3.60E-08	-	29410382	Maternal overweight/obesity	2.10E-10	-	29016858
<i>FMO3</i>	Nitrogen dioxide exposure	3.60E-08	-	29410382	Maternal overweight/obesity	6.60E-10	-	29016858
<i>SFRP1</i>	Nitrogen dioxide exposure	3.60E-08	-	29410382	Maternal overweight/obesity	2.50E-09	-	29016858
<i>ZBTB7B</i>	Nitrogen dioxide exposure	3.60E-08	+	29410382	Maternal overweight/obesity, Diastolic Blood Pressure, Systolic Blood Pressure, fasting glucose	8.40E-09	+	29016858, 29198723, 31197173
<i>RSAD1</i>	Nitrogen dioxide exposure	3.70E-08	-	29410382	Maternal overweight/obesity	3.10E-09	-	29016858
<i>VSIG2</i>	Nitrogen dioxide exposure	3.70E-08	-	29410382	Maternal overweight/obesity	1.40E-08	-	29016858
<i>TRPV4</i>	Nitrogen dioxide exposure	3.70E-08	-	29410382	Maternal overweight/obesity	3.50E-08	-	29016858
<i>PCSK6</i>	Nitrogen dioxide exposure	3.80E-08	-	29410382	Serum triglycerides, Maternal overweight/obesity	4.90E-13	-	28173150, 29016858
<i>AP3B2</i>	Nitrogen dioxide exposure	3.80E-08	-	29410382	Maternal overweight/obesity	1.50E-12	-	29016858
<i>LRRFIP1</i>	Nitrogen dioxide exposure	3.80E-08	-	29410382	Maternal overweight/obesity, 1-hour glucose, Triglycerides to total lipids ratio in medium VLDL	1.30E-10	-	29016858, 33151971

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>CTCF</i>	Nitrogen dioxide exposure	3.80E-08	-	29410382	Maternal overweight/obesity	4.00E-09	-	29016858
<i>RNU5E;RNU5D;CKMT2</i>	Nitrogen dioxide exposure	3.80E-08	-	29410382	Maternal overweight/obesity	2.70E-08	-	29016858
<i>C17orf101</i>	Nitrogen dioxide exposure	3.80E-08	-	29410382	Maternal overweight/obesity	4.70E-08	-	29016858
<i>JDP2</i>	Nitrogen dioxide exposure	3.90E-08	-	29410382	Diastolic Blood Pressure, Systolic Blood Pressure	4.80E-10	-	29198723
<i>MS4A15</i>	Nitrogen dioxide exposure	3.90E-08	-	29410382	Maternal overweight/obesity	1.20E-09	-	29016858
<i>KCNK3</i>	Nitrogen dioxide exposure	3.90E-08	-	29410382	Maternal overweight/obesity	1.30E-08	-	29016858
<i>ORIG1</i>	Nitrogen dioxide exposure	3.90E-08	-	29410382	Maternal overweight/obesity	2.30E-08	-	29016858
<i>UPK2</i>	Nitrogen dioxide exposure	4.00E-08	-	29410382	Maternal overweight/obesity	7.90E-11	-	29016858
<i>DLGAP1</i>	Nitrogen dioxide exposure	4.00E-08	-	29410382	Maternal overweight/obesity	1.80E-09	-	29016858
<i>CTNND2</i>	Nitrogen dioxide exposure	4.00E-08	-	29410382	Maternal overweight/obesity	3.60E-09	-	29016858
<i>ARHGEF16</i>	Nitrogen dioxide exposure	4.00E-08	-	29410382	Maternal overweight/obesity	1.10E-08	-	29016858
<i>GIF</i>	Nitrogen dioxide exposure	4.00E-08	-	29410382	Maternal overweight/obesity	1.40E-08	-	29016858
<i>FYN</i>	Nitrogen dioxide exposure	4.00E-08	+	29410382	Maternal overweight/obesity	4.50E-08	+	29016858
<i>CMTM2</i>	Nitrogen dioxide exposure	4.10E-08	-	29410382	Maternal overweight/obesity	6.90E-12	-	29016858
<i>TRAF1</i>	Nitrogen dioxide exposure	4.10E-08	+	29410382	Maternal overweight/obesity	7.80E-10	+	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>PRSS21</i>	Nitrogen dioxide exposure	4.10E-08	-	29410382	Maternal overweight/obesity	6.00E-09	-	29016858
<i>MICA</i>	Prenatal NO2 exposure, Nitrogen dioxide exposure	4.10E-08	-	27448387, 29410382	Maternal overweight/obesity, triglycerides	9.00E-09	-	29016858, 32677467
<i>SEC14L1</i>	Nitrogen dioxide exposure	4.20E-08	-	29410382	Maternal overweight/obesity	3.30E-10	-	29016858
<i>BOC</i>	Nitrogen dioxide exposure	4.20E-08	-	29410382	Maternal overweight/obesity	5.70E-09	-	29016858
<i>LOC646498</i>	Nitrogen dioxide exposure	4.20E-08	-	29410382	Maternal overweight/obesity	2.10E-08	-	29016858
<i>BIN2</i>	Nitrogen dioxide exposure	4.20E-08	+	29410382	Maternal overweight/obesity	3.20E-08	+	29016858
<i>CMYA5</i>	Nitrogen dioxide exposure	4.20E-08	-	29410382	Maternal overweight/obesity	3.50E-08	-	29016858
<i>FMNL2</i>	Nitrogen dioxide exposure	4.30E-08	-	29410382	Maternal overweight/obesity	5.10E-11	-	29016858
<i>NCKAP5</i>	Nitrogen dioxide exposure	4.30E-08	-	29410382	Maternal overweight/obesity, Triglycerides in very large HDL	9.80E-10	-	29016858
<i>ZNF488</i>	Nitrogen dioxide exposure	4.30E-08	-	29410382	Maternal overweight/obesity, 1-hour glucose	3.60E-08	-	29016858, 33151971
<i>TRIO</i>	Nitrogen dioxide exposure	4.30E-08	-	29410382	Maternal overweight/obesity	4.90E-08	-	29016858
<i>ADAM30</i>	Nitrogen dioxide exposure	4.40E-08	-	29410382	Maternal overweight/obesity, Triglycerides	1.80E-10	-	29016858
<i>ITIH5</i>	Nitrogen dioxide exposure	4.40E-08	-	29410382	Maternal overweight/obesity	8.00E-09	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>PAPSS1</i>	Nitrogen dioxide exposure	4.40E-08	-	29410382	Maternal overweight/obesity	1.20E-08	-	29016858
<i>LOC727677</i>	Nitrogen dioxide exposure	4.50E-08	+	29410382	Maternal overweight/obesity	1.40E-10	+	29016858
<i>BMPER</i>	Nitrogen dioxide exposure	4.50E-08	-	29410382	Maternal overweight/obesity	1.50E-10	-	29016858
<i>TNKS1BP1</i>	Nitrogen dioxide exposure	4.50E-08	-	29410382	Maternal overweight/obesity	9.30E-10	-	29016858, 32916427
<i>RHO</i>	Nitrogen dioxide exposure	4.50E-08	-	29410382	Maternal overweight/obesity	1.10E-09	-	29016858
<i>XIRP1</i>	Nitrogen dioxide exposure	4.50E-08	-	29410382	Maternal overweight/obesity, fasting glucose	1.90E-09	-	29016858, 31197173
<i>HLA-DRA</i>	Nitrogen dioxide exposure	4.50E-08	-	29410382	Maternal overweight/obesity	1.10E-08	-	29016858
<i>BFSP2</i>	Nitrogen dioxide exposure	4.50E-08	-	29410382	Maternal overweight/obesity	1.40E-08	-	29016858
<i>DENND2D</i>	Nitrogen dioxide exposure	4.50E-08	+	29410382	Maternal overweight/obesity	2.30E-08	+	29016858
<i>RETNLB</i>	Nitrogen dioxide exposure	4.60E-08	-	29410382	Maternal overweight/obesity	5.20E-10	-	29016858
<i>SSPO</i>	Nitrogen dioxide exposure	4.60E-08	-	29410382	Maternal overweight/obesity	2.10E-08	-	29016858
<i>NTRK1</i>	Nitrogen dioxide exposure	4.70E-08	-	29410382	Maternal overweight/obesity	1.70E-10	-	29016858
<i>AK5</i>	Nitrogen dioxide exposure	4.70E-08	-	29410382	Maternal overweight/obesity, Triglycerides in large HDL	3.90E-09	-	29016858

Gene	Trait1	minP	Direction	PMID	Trait2	minP	Direction	PMID
<i>TRPV1</i>	Nitrogen dioxide exposure	4.70E-08	–	29410382	Maternal overweight/obesity, fasting glucose, Triglycerides	9.10E-09	–	29016858, 31197173, 31910897
<i>CDH22</i>	Nitrogen dioxide exposure, Particulate matter air pollution	4.70E-08	–	29410382, 32484729	Maternal overweight/obesity, fasting glucose	1.20E-08	–	29016858, 31197173
<i>LOC149134</i>	Nitrogen dioxide exposure	4.70E-08	–	29410382	Maternal overweight/obesity	2.70E-08	–	29016858
<i>SH3TC1</i>	Nitrogen dioxide exposure, Particulate matter ≤10 um (PM10)	4.80E-08	–	29410382, 31208937	Maternal overweight/obesity	1.70E-08	–	29016858
<i>KCNIP3</i>	Nitrogen dioxide exposure	4.80E-08	–	29410382	Maternal overweight/obesity	3.60E-08	–	29016858
<i>RNF213;LO C100294362</i>	Air pollution exposure, Nitrogen dioxide exposure, Nitrogen dioxide air pollution	4.80E-08	–	26731791, 29410382, 32484729	Maternal overweight/obesity	3.70E-08	–	29016858
<i>GALM</i>	Nitrogen dioxide exposure	4.90E-08	–	29410382	Maternal overweight/obesity	4.60E-09	–	29016858
<i>SH2D6</i>	Nitrogen dioxide exposure	4.90E-08	–	29410382	Maternal overweight/obesity	3.20E-08	–	29016858

Minimum P value of methylation sites on each gene is given (minP), alongside with its corresponding effect direction. All results are from whole/cord blood samples. AP: Air Pollution; PM: Particulate Matter.