Supplemental Material

Genetic, Biochemical and Environmental Factors Associated with Pregnancy Outcomes in Newborns from the Czech Republic

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Supplemental Material, Table 1. The final list of genes and SNPs tested for their associations with 8-oxodG levels and pregnancy outcomes.

Gene name	rs number
ADH1B-02	rs1229984
ADH1B-05	rs17033
ADH1B-06	rs1353621
ADH1C-01	rs698
ADH1C-05	rs1662058
ADH1C-06	rs1789920
ADH1C-07	rs1693482
ADH1C-08	rs6413444
ADH1C-10	rs6413446
ADH1C-16	rs2009181
ADH1C-18	rs17526590
AHR-01	rs2066853
AHR-17	rs2074113
AHR-19	rs7796976
AHR-21	rs34938514
AHR-28	rs17779352
AHR-45	rs10269143
AHR-47	rs17137566
AHR-49	rs2106728
AHR-50	rs2237299
AHR-51	rs2282883
AHR-52	rs2282885
AHR-53	rs2282886
AHR-54	rs2301677
AHR-55	rs6960165
AHR-56	rs713150
AHR-57	rs765623
ALDH2-07	rs886205
ALDH2-08	rs2238151
APEX1-02	rs1048945
APEX1-03	rs1130409
APEX1-16	rs1760944
BCL6-01	rs1056932
BCL6-05	rs3172469
BCL6-06	rs1464645
BCL6-11	rs3774306
C3-01	rs11569450
C3-02	rs11569521
C3-03	rs11672613
C3-04	rs1389623
C3-05	rs2230205

Gene name	rs number
C3-07	rs2250656
C3-08	rs2277984
C3-12	rs366510
C3-13	rs3745568
C3-15	rs11569523
C3-16	rs163913
C3-17	rs344550
C3-18	rs379527
C5-01	rs10116271
C5-02	rs10739585
C5-03	rs12685344
C5-04	rs1468673
C5-05	rs16910280
C5-07	rs2159776
C5-08	rs2269066
C5-09	rs2416810
C5-10	rs7026551
C5-11	rs7027797
C5-12	rs7031036
C5-13	rs7037673
C5-14	rs7040033
C5-15	rs7867729
CAT-02	rs769214
CAT-03	rs769217
CAT-05	rs769218
CCL1-01	rs2282691
CCL1-02	rs12603965
CCL1-05	rs7502772
CCL11-01	rs12948058
CCL11-02	rs16969415
CCL11-03	rs17735961
CCL11-04	rs3091328
CCL11-05	rs4795895
CCL11-06	rs4795896
CCL11-07	rs4795904
CCL11-08	rs714910
CCL13-01	rs1431991
CCL13-02	rs442319
CCL18-01	rs2015070
CCL18-02	rs11080372
CCL18-03	rs8073066
CCL18-05	rs854477
CCL20-03	rs13389224
CCL20-04	rs1827924
CCL20-06	rs6749704

Gene name	rs number
CCL20-07	rs940339
CCL2-01	rs17652343
CCL2-02	rs1860190
CCL2-03	rs2857653
CCL2-04	rs991804
CCL24-01	rs11465307
CCL24-02	rs2302004
CCL24-04	rs13340508
CCL24-05	rs17361077
CCL24-06	rs7797547
CCL26-01	rs2240478
CCL26-02	rs11465352
CCL26-03	rs11465353
CCL5-03	rs2107538
CCL5-04	rs2280789
CCL5-05	rs4795095
CCL7-01	rs3091237
CCL7-02	rs2190970
CCL7-03	rs3091322
CCL7-04	rs3091324
CCL7-05	rs3091327
CCL7-06	rs8081047
CCL8-02	rs1233653
CCL8-03	rs3138034
CCL8-04	rs3138035
CCL8-06	rs8082480
CCL8-07	rs885691
CCNH-04	rs3093816
CD14-03	rs3194168
CD14-06	rs4914
CD14-07	rs2569192
COMT-01	rs4680
COMT-03	rs6269
COMT-05	rs4633
COMT-117	rs1544325
COMT-123	rs4646315
COMT-137	rs4646317
COMT-138	rs34068292
COMT-146	rs5993882
COMT-16	rs4646312
COMT-186	rs5993887
COMT-19	rs740603
COMT-191	rs737866
COMT-206	rs165722
COMT-215	rs174675

Gene name	rs number
COMT-27	rs3810595
COMT-29	rs7290221
COMT-31	rs933271
COMT-52	rs1109436
COMT-78	rs9332347
COMT-83	rs2239393
COMT-85	rs5993883
CTLA4-10	rs11571317
CTLA4-11	rs11571319
CTLA4-16	rs11571315
CTLA4-17	rs11571316
CTLA4-19	rs4553808
CTLA4-25	rs5742909
CXCL10-01	rs3921
CXCL10-02	rs4257674
CXCL10-03	rs4241578
CXCL10-04	rs4859584
CXCL10-13	rs4256246
CXCL12-01	rs1801157
CXCL9-01	rs2276885
CYP1A1-109	rs1456432
CYP1A1-113	rs12441817
CYP1A1-114	rs2470893
CYP1A1-115	rs2472297
CYP1A1-14	rs2606345
CYP1A1-154	rs4886605
CYP1A1-78	rs2198843
CYP1A1-91	rs17861115
CYP1A1-91	rs17883323
CYP1A2-03	rs762551
CYP1A2-11	rs2470890
CYP1A2-12	rs2472304
CYP1A2-43	rs28399423
CYP1A2-51	rs11854147
CYP1A2-52	rs4886406
CYP1A2-79	rs11072508
CYP1B1-01	rs1056827
CYP1B1-03	rs2617266
CYP1B1-05	rs1056836
CYP1B1-08	rs10916
CYP1B1-116	rs162333
CYP1B1-121	rs2447752
CYP1B1-134	rs162330
CYP1B1-18	rs10175368
CYP1B1-19	rs10175338

Gene name	rs number
CYP1B1-194	rs162331
CYP1B1-21	rs4646429
CYP1B1-25	rs4646430
CYP1B1-27	rs162556
CYP1B1-28	rs162555
CYP1B1-42	rs162557
CYP1B1-44	rs34441600
CYP1B1-49	rs2567206
CYP1B1-56	rs2855658
CYP1B1-71	rs2551188
CYP1B1-83	rs151313
CYP1B1-84	rs162332
CYP27B1-16	rs8176345
CYP2A6-09	rs28399433
CYP2C19-08	rs4986894
CYP2C19-21	rs1789912
CYP2C19-25	rs3758580
CYP2C9-01	rs1057910
CYP2C9-16	rs4917636
CYP2C9-17	rs35464336
CYP2C9-19	rs9332100
CYP2C9-20	rs1057911
CYP2D6-109	rs16947
CYP2E1-07	rs2070673
CYP2E1-11	rs6413421
CYP2E1-12	rs2070677
CYP2E1-13	rs2515641
CYP3A4-107	rs12333983
CYP3A4-113	rs2461610
CYP3A4-16	rs2242480
CYP3A4-231	rs6956344
CYP3A4-81	rs6945984
EPHX1-12	rs1051741
EPHX1-14	rs2671272
EPHX1-15	rs2854461
EPHX1-19	rs3766934
EPHX1-20	rs2854455
EPHX1-24	rs34143170
ERCC2-06	rs238406
ERCC2-09	rs1799787
ERCC2-10	rs1799794
ERCC2-16	rs3810366
ERCC2-18	rs11878644
ERCC2-21	rs238416
ERCC2-22	rs238417

Gene name	rs number
ERCC2-23	rs3916874
ERCC2-24	rs50872
ERCC2-26	rs1052555
ERCC2-32	rs3916868
ERCC3-02	rs4150416
ERCC3-03	rs4150514
ERCC3-04	rs4150474
ERCC3-11	rs1803541
ERCC4-01	rs1800067
ERCC4-03	rs1799801
ERCC4-42	rs744154
ERCC5-02	rs17655
ERCC5-04	rs1047769
ERCC5-05	rs2227869
ERCC6-03	rs4253211
ERCC6-04	rs2228529
ERCC6-12	rs2228527
GATA3-11	rs2277228
GATA3-21	rs570730
GATA3-22	rs570613
GATA3-23	rs569421
GATA3-24	rs3802600
GATA3-27	rs422628
GATA3-28	rs406103
GATA3-29	rs528778
GATA3-46	rs925847
GATA3-61	rs10905278
GATA3-68	rs10752126
GATA3-76	rs3781093
GATA3-78	rs568727
GSTM3-01	rs7483
GSTM3-03	rs1332018
GSTM3-06	rs1537234
GSTP1-01	rs12944039
HMOX1-06	rs2071748
HMOX1-07	rs2071749
HMOX1-08	rs5755720
HMOX1-10	rs5755717
IFNG-07	rs1861494
IFNG-10	rs2069705
IL10-01	rs2254073
IL10-02	rs1800872
IL10-03	rs1800896
IL10-05	rs3024509
IL10-06	rs3024496

Gene name	rs number
IL10-07	rs3024491
IL10-13	rs3021094
IL10-17	rs1800890
IL10-24	rs13376708
IL10-25	rs1554286
IL10-35	rs4072227
IL10-36	rs4390174
IL10-39	rs6686931
IL10-46	rs1878672
IL13-01	rs20541
IL13-06	rs1295686
IL13-22	rs1295683
IL13-23	rs2243204
IL13-25	rs848
IL17C-01	rs1800871
IL1A-01	rs17561
IL1A-05	rs2856841
IL1B-24	rs3917356
IL1RN-02	rs454078
IL1RN-04	rs380092
IL2-01	rs2069762
IL2-03	rs2069763
IL3-01	rs40401
IL4-02	rs2243248
IL4-03	rs2070874
IL4-10	rs2243290
IL4-11	rs2243268
IL4-12	rs2243289
IL4-16	rs2243267
IL5-02	rs2069812
IL6-01	rs1800795
IL6-06	rs2069832
IL8-01	rs4073
IL8-05	rs2227306
IL8-11	rs2227549
IL8-33	rs4694178
IL8RB-01	rs1126579
IL8RB-02	rs2230054
IL8RB-05	rs4674257
IL8RB-06	rs4674261
L1B-09	rs1143623
L6-04	rs1800797
LIG1-01	rs20580
LIG1-02	rs13436
LIG1-03	rs20579

Gene name	rs number
LIG1-04	rs20581
LIG1-20	rs156647
LIG1-29	rs156641
LIG1-30	rs3730931
LTA-01	rs909253
LTA-04	rs2239704
LTA-05	rs3093546
LTA-06	rs2229094
MBL2-06	rs1838066
MBL2-07	rs1838065
MBL2-08	rs930507
MBL2-09	rs930508
MBL2-10	rs930509
MBL2-11	rs11003125
MBL2-12	rs7096206
MBL2-14	rs7084554
MBL2-19	rs35805975
MBL2-25	rs7095891
MBL2-26	rs11595876
MBL2-27	rs10082466
MBL2-28	rs10824792
MBL2-29	rs2083771
MBL2-32	rs2120131
MBL2-33	rs2165813
MBL2-35	rs2165810
MBL2-37	rs3925313
MBL2-38	rs1031101
MBL2-39	rs7916582
MBL2-40	rs920724
MBL2-45	rs4935046
MBL2-46	rs10824793
MBL2-60	rs10824794
MBL2-64	rs11003127
MBL2-65	rs12264958
MBL2-67	rs7071882
MBL2-68	rs7094151
MBL2-83	rs2506
MBL2-84	rs10824800
MBL2-85	rs10824801
MBL2-86	rs11003132
MBL2-87	rs11003134
MBL2-88	rs11003137
MBL2-89	rs12771266
MGMT-03	rs2308327
MGMT-06	rs12917

Gene name	rs number
MGMT-105	rs748190
MGMT-106	rs7897057
MGMT-107	rs7897876
MGMT-108	rs7905095
MGMT-114	rs892659
MGMT-22	rs10764890
MGMT-29	rs4751099
MGMT-33	rs7084865
MGMT-40	rs12768004
MGMT-48	rs532248
MGMT-52	rs574831
MGMT-57	rs7924302
MGMT-59	rs10741199
MGMT-73	rs2039374
MGMT-77	rs3793903
MGMT-81	rs473073
MGMT-86	rs4751118
MIF-01	rs755622
MIF-14	rs1007888
MIF-15	rs12628766
MIF-16	rs17004044
MIF-17	rs17004047
MIF-18	rs2000466
MIF-19	rs5760093
MIF-20	rs738806
MIF-21	rs738807
MIF-23	rs2000467
MPO-04	rs2071409
MPO-13	rs2856857
MPO-17	rs12452417
MPO-18	rs4401102
MTHFR-02	rs1801133
MTHFR-07	rs12121543
MTHFR-19	rs1537516
MTHFR-25	rs13306556
MTHFR-36	rs17037390
MTHFR-37	rs9332092
MTHFR-46	rs1537515
MTR-01	rs1805087
MTR-05	rs2275565
MTR-06	rs2275566
NAT1-03	rs4986988
NAT1-04	rs4986989
NAT1-08	rs4986783
NAT2-01	rs1208

Gene name	rs number
NAT2-05	rs1041983
NAT2-06	rs1801280
NAT2-07	rs1799929
NAT2-08	rs1799930
NAT2-21	rs13276600
NOS1-01	rs10850803
NOS1-02	rs11068446
NOS1-04	rs11611788
NOS1-05	rs12578547
NOS1-06	rs1353939
NOS1-07	rs1552227
NOS1-08	rs2291908
NOS1-09	rs2293054
NOS1-10	rs2293055
NOS1-12	rs3782218
NOS1-13	rs3782221
NOS1-14	rs483589
NOS1-15	rs532967
NOS1-16	rs545654
NOS1-17	rs6490121
NOS1-18	rs7295972
NOS1-20	rs816293
NOS1-21	rs816351
NOS1-22	rs816353
NOS1-23	rs816361
NOS1-24	rs875643
NOS1-25	rs9658354
NOS1-26	rs9658490
NOS1-27	rs11068458
NOS1-28	rs12424669
NOS1-29	rs1879417
NOS1-32	rs9658282
NOS2A-02	rs2297518
NOS2A-07	rs9282801
NOS2A-12	rs2297516
NOS2A-13	rs3729508
NOS2A-14	rs3794763
NOS2A-15	rs3794766
NOS2A-16	rs4795067
NOS2A-17	rs8072199
NOS2A-18	rs944725
NOS2A-19	rs9797244
NOS2A-20	rs11080358
NOS2A-21	rs12150211
NOS2A-22	rs2248814

Gene name	rs number
NOS2A-25	rs2779248
NOS2A-28	rs8081248
NOS2A-29	rs9901734
NQO1-01	rs1800566
NQO1-01	rs1800587
NQO1-07	rs689452
NQO1-08	rs689453
NQO1-15	rs10517
RAD23B-02	rs1805335
RAD23B-04	rs1805329
SOD2-01	rs4880
SOD2-06	rs5746081
SOD2-20	rs5746136
SOD2-30	rs5746151
STAT4-09	rs10189819
STAT4-10	rs1031509
STAT4-11	rs11685878
STAT4-12	rs11693480
STAT4-13	rs12327969
STAT4-14	rs12990918
STAT4-15	rs13407419
STAT4-16	rs1551443
STAT4-18	rs16833224
STAT4-19	rs16833260
STAT4-21	rs2459611
STAT4-22	rs3024851
STAT4-23	rs3024861
STAT4-24	rs3024896
STAT4-25	rs3024904
STAT4-29	rs4853540
STAT4-30	rs4853546
STAT4-31	rs6752770
STAT4-33	rs7574865
STAT4-35	rs7599504
STAT4-38	rs1031507
STAT4-39	rs13020076
STAT4-40	rs13022931
STAT4-41	rs16833177
STAT4-41	rs16833215
STAT4-42	rs16833437
STAT4-43	rs3024912
STAT4-44	rs6434435
STAT4-45	rs6740131
STAT4-46	rs7558921
STAT6-01	rs167769

Gene name	rs number
STAT6-02	rs324011
STAT6-14	rs3024971
STAT6-15	rs3024974
STAT6-16	rs324013
STAT6-17	rs841718
STAT6-19	rs11172106
SULT1A1-07	rs9282862
SULT1A1-12	rs2925623
SULT1A1-13	rs2925624
SULT1A1-27	rs1968752
SULT1A1-35	rs4149381
SULT1A2-06	rs11401
SULT1A2-09	rs2569190
SULT1C1-04	rs17036104
SULT1C1-05	rs3731680
SULT1C2-01	rs1402467
TLR2-04	rs3804099
TLR2-05	rs3804100
TLR2-06	rs4696480
TLR2-17	rs13150331
TLR2-18	rs1898830
TLR2-20	rs7656411
TLR4-01	rs4986790
TLR4-07	rs10759930
TLR4-11	rs11536889
TLR4-23	rs1927906
TLR4-28	rs5030728
TLR4-29	rs10759932
TLR4-30	rs10983754
TLR4-31	rs11536897
TNF-04	rs361525
TNF-07	rs1799724
TNF-09	rs1800630
TNF-11	rs1800610
TNF-12	rs1799964
TNF-41	rs769177
TOLLIP-01	rs11042484
TOLLIP-02	rs3793964
TOLLIP-03	rs3829223
TOLLIP-04	rs5743867
TOLLIP-05	rs5743899
TOLLIP-08	rs3750919
TP53-01	rs1042522
TP53-09	rs8079544
TP53-14	rs1614984

Gene name	rs number
TP53-15	rs9894946
TP53-16	rs1625895
TP53-66	rs2909430
TP53-69	rs2078486
XPA-06	rs2805835
XPA-09	rs3176748
XPA-11	rs3176757
XPA-12	rs3176658
XPA-13	rs3176683
XPC-01	rs2228001
XPC-03	rs2228000
XPC-04	rs2229090
XPC-08	rs3731151
XPC-14	rs2279017
XPC-15	rs1126547
XPC-21	rs2733532
XPC-23	rs3731068
XPC-32	rs2607775
XPC-35	rs1124303
XPC-36	rs2733537
XPC-37	rs3731093
XPC-38	rs3731143
XPC-40	rs3729587
XRCC1-02	rs25489
XRCC1-03	rs1799782
XRCC1-07	rs25486
XRCC1-23	rs1001581
XRCC1-24	rs2854510
XRCC1-46	rs25478
XRCC1-48	rs25476
XRCC1-54	rs25484
XRCC1-64	rs3213255
XRCC1-70	rs2682588
XRCC1-72	rs3213403
XRCC1-73	rs939460
XRCC1-75	rs2854509
XRCC3-01	rs861539
XRCC3-04	rs1799796
XRCC3-15	rs3212079
GSTM1 deletion	yes/no
GSTT1 deletion	yes/no

Supplemental Material, Table 2. Concentrations of B[a]P during pregnancy for all subjects and separately for women from the Prachatice and Teplice districts

Pregnancy	Concentration of B[a]P (ng/m^3)						
(month)	All subjects		Prachatice		Teplice		p*
	Mean±SD	Median (min, max)	Mean±SD	Median (min, max)	Mean±SD	Median (min, max)	
1st	2.16±2.05	1.43 (0.05, 8.20)	2.05±2.13	1.30 (0.05, 8.20)	2.22±2.01	1.45 (0.06, 8.11)	<0.01
2nd	2.31±1.98	1.92 (0.05, 8.20)	2.10±2.04	1.48 (0.05, 7.89)	2.42±1.94	2.23 (0.07, 8.20)	=0.001
3rd	2.35±2.07	1.79 (0.05, 8.27)	2.23±2.08	1.77 (0.05, 8.00)	2.42±2.07	1.80 (0.06, 8.27)	=0.08
4th	2.33±2.03	1.77 (0.05, 8.27)	2.17±2.01	1.65 (0.05, 7.89)	2.41±2.04	1.80 (0.06, 8.27)	<0.05
5th	2.38±2.05	1.78 (0.05, 8.20)	2.14±2.14	1.47 (0.05, 7.89)	2.50±1.99	1.93 (0.06, 8.20)	<0.001
6th	2.34±2.11	1.70 (0.05, 8.51)	2.00±2.06	1.15 (0.05, 8.34)	2.51±2.12	1.93 (0.06, 8.51)	<0.001
7th	2.26±2.11	1.43 (0.05, 8.49)	1.87±2.10	0.76 (0.05, 8.26)	2.46±2.09	2.00 (0.06, 8.49)	<0.001
8th	2.26±2.25	1.25 (0.05, 8.71)	1.70±2.01	0.64 (0.05, 8.20)	2.53±2.31	1.74 (0.06, 8.71)	<0.001
9th	2.02±2.03	1.01 (0.05, 8.27)	1.56±1.90	0.57 (0.05, 8.00)	2.25±2.06	1.49 (0.06, 8.27)	<0.001

* Comparison of B[a]P concentrations between the Prachatice and Teplice districts

Supplemental Material, Table 3. Concentrations of PM2.5 during pregnancy for all subjects and separately for women from the Prachatice and Teplice districts

Pregnancy (month)	Concentration of PM2.5 (μg/m^3)						
	All subjects		Prachatice		Teplice		p*
	Mean±SD	Median (min, max)	Mean±SD	Median (min, max)	Mean±SD	Median (min, max)	
1st	29.4±12.9	27.2 (1.13, 84.6)	21.9±10.5	20.0 (1.13, 59.8)	33.2±12.4	30.2 (11.9, 84.6)	<0.001
2nd	29.8±12.7	27.0 (1.09, 82.4)	22.6±10.6	20.6 (1.09, 59.3)	33.4±12.1	30.4 (11.9, 82.4)	<0.001
3rd	30.6±13.6	27.4 (1.09, 84.6)	23.2±10.9	20.7 (1.09, 60.2)	34.3±13.3	31.3 (12.2, 84.6)	<0.001
4th	29.6±13.4	26.5 (1.13, 86.1)	22.9±11.2	20.1 (1.13, 60.2)	33.0±13.2	30.3 (12.2, 86.1)	<0.001
5th	29.8±13.1	27.2 (1.13, 84.5)	22.4±10.6	19.8 (1.13, 56.3)	33.6±12.6	32.3 (12.2, 84.5)	<0.001
6th	29.6±13.6	26.5 (3.25, 86.1)	21.9±9.28	19.7 (3.25, 55.7)	33.5±13.8	30.1 (12.4, 86.1)	<0.001
7th	29.2±13.6	26.1 (3.25, 84.8)	21.6±10.6	19.1 (3.25, 58.1)	33.1±13.3	29.4 (12.2, 84.8)	<0.001
8th	30.4±15.7	26.0 (3.83, 86.1)	20.9±9.83	19.0 (3.83, 56.5)	35.1±16.0	30.1 (12.2, 86.1)	<0.001
9th	28.7±14.0	25.2 (1.09, 84.8)	20.5±9.87	18.7 (1.09, 56.3)	32.6±13.9	29.4 (12.2, 84.8)	<0.001

* Comparison of PM2.5 concentrations between the Prachatice and Teplice districts

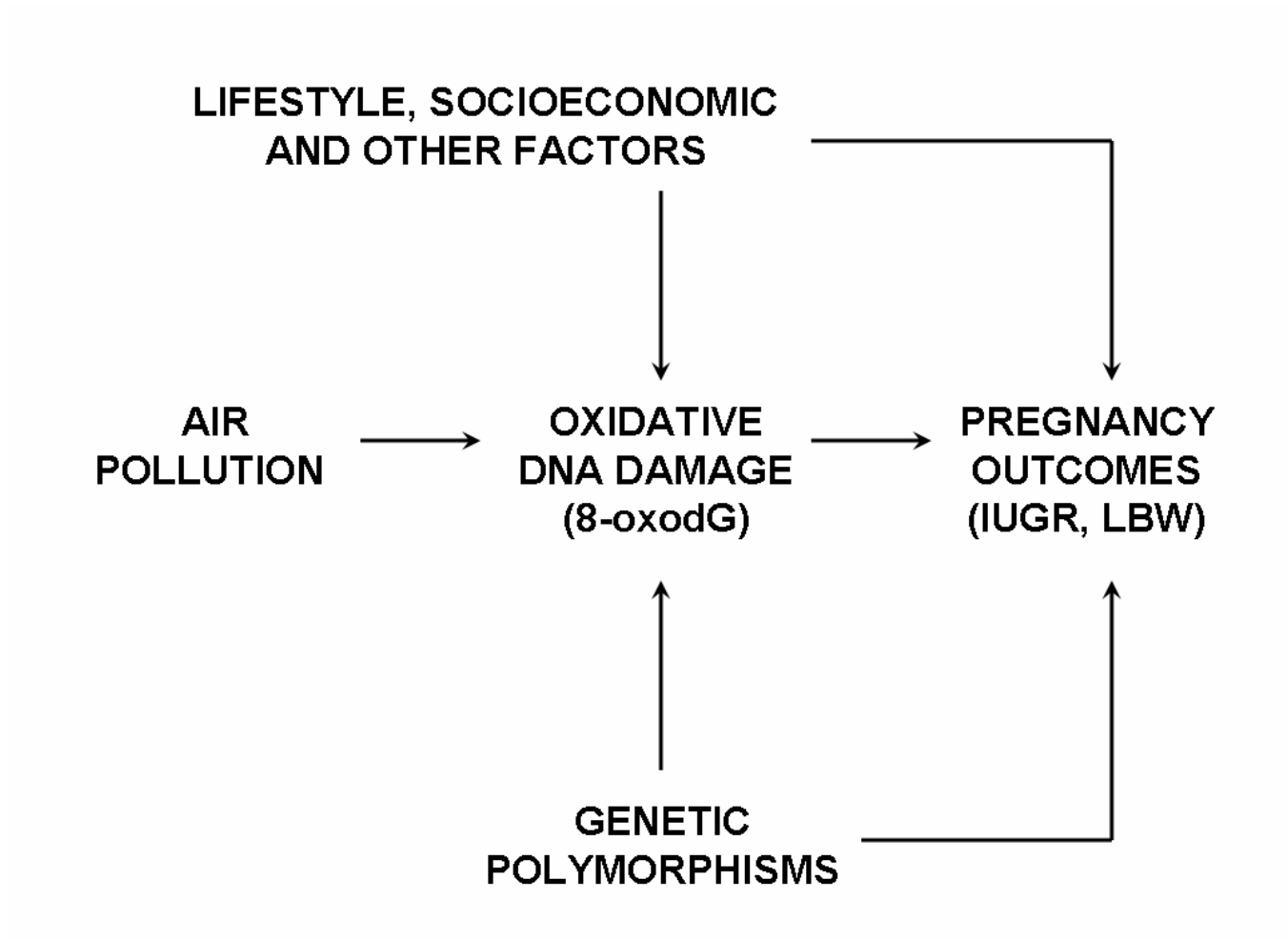
Supplemental Material, Table 4. Results from univariate logistic regression of SNPs modifying the incidence of LBW.

rs number	SNP region	Gene name	Alleles [a]	Crude OR (95%CI), p
rs7095891	-65T>C	MBL2-25	TT	Reference
			CT+**CC**	2.11 (1.45, 3.08), <0.001
rs7084554	-417G>A	MBL2-14	**AA**	Reference
			AG+GG	2.16 (1.48, 3.15), <0.001
rs920724	-1401T>C	MBL2-40	CC	Reference
			C**T**+**TT**	2.11 (1.45, 3.08), <0.001
rs7916582	-1599G>A	MBL2-39	**AA**	Reference
			AG+GG	2.11 (1.45, 3.08), <0.001
rs10824794	-1793T>A	MBL2-60	**TT**	Reference
			A**T**+AA	2.11 (1.45, 3.08), <0.001
rs12264958	-2200T>C	MBL2-65	TT	Reference
			CT+**CC**	2.11 (1.45, 3.08), <0.001
rs7071882	-2256C>A	MBL2-67	**CC**	Reference
			A**C**+AA	2.11 (1.45, 3.08), <0.001
rs7094151	-2391G>A	MBL2-68	**TT**	Reference
			TC+CC	2.11 (1.45, 3.08), <0.001
rs11003127	-2566G>C	MBL2-64	**CC**	Reference
			G**C**+GG	2.11 (1.45, 3.08), <0.001

rs2165810	-2701T>A	MBL2-35	**AA**	Reference
			AT+TT	2.11 (1.45, 3.08), <0.001
rs8081047	4093bp 3' of STP C>T	CCL7-06	CC	Reference
			C**T**+**TT**	2.40 (1.54, 3.74), <0.001
rs16969415	-425C>T	CCL11-02	TT	Reference
			CT+**CC**	2.41 (1.54, 3.79), <0.001
rs854477	4756bp 3' of STP A>G	CCL18-05	**GG**	Reference
			A**G**+AA	0.48 (0.33, 0.71), <0.001

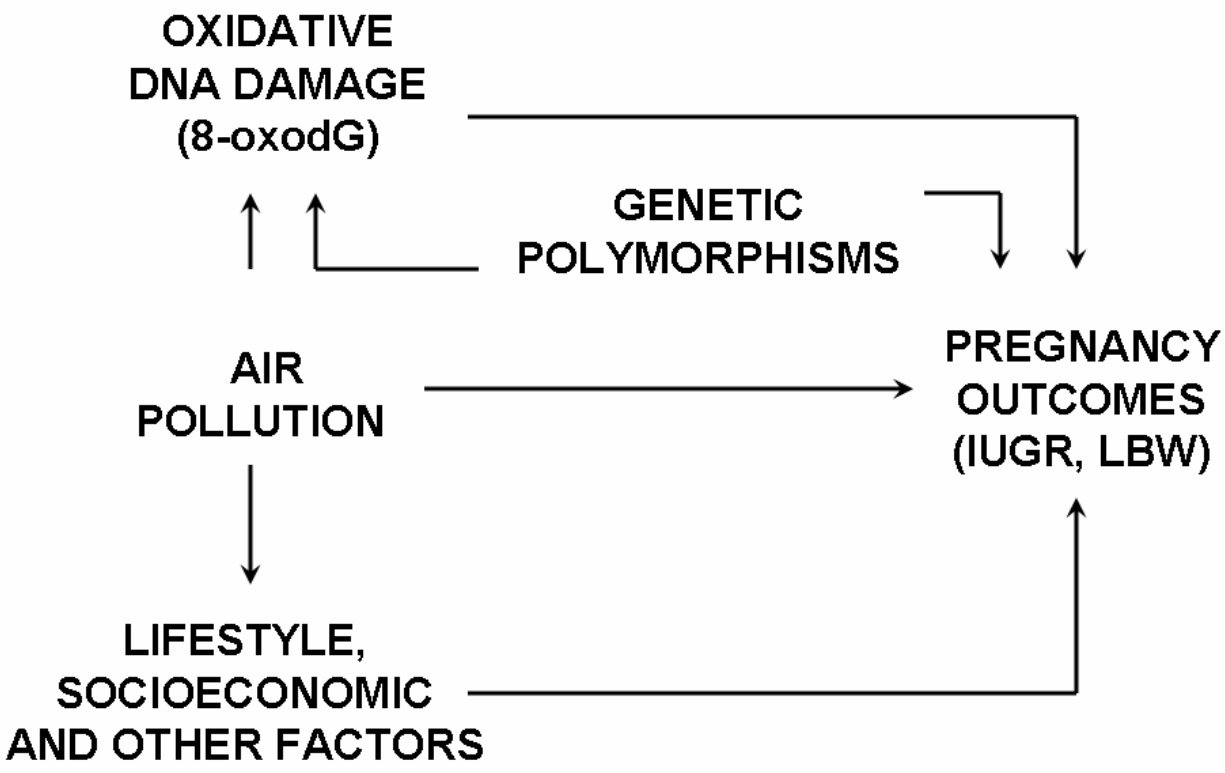
[a] Higher frequency alleles are in bold

Supplemental Material, Figure 1.



Possible relationships between air pollution, oxidative DNA damage, genetic polymorphisms, lifestyle, socioeconomic and other factors and pregnancy outcomes. 8-oxodG is an intermediate in the air pollution-pregnancy outcome pathway.

Supplemental Material, Figure 2.



Possible relationships between air pollution, oxidative DNA damage, genetic polymorphisms, lifestyle, socioeconomic and other factors and pregnancy outcomes. Oxidative damage is an independent factor affecting IUGR and/or LBW.