

Bayesian False Discovery Probability (BFD) values. (BFD level of noteworthiness 0.2, with false discovery being three times more costly than false non discovery)

Gene	SNP	Model	OR (95% CI)	Observed p-value	Prior probabilities					
					0.05	0.01	10 ⁻³	10 ⁻⁴	10 ⁻⁵	10 ⁻⁶
					Bayesian False Discovery Probability					
CDH1	rs16260	Additive (HtZ)	0.91 (0.85, 0.97)	0.005	0.67	0.91	0.99	1.00	1.00	1.00
CDH1	rs16260	Additive (HmZ)	0.84 (0.74, 0.96)	0.01	0.76	0.94	0.99	1.00	1.00	1.00
CDH1	rs16260	Recessive	0.88 (0.78, 1.00)	0.05	0.92	0.98	1.00	1.00	1.00	1.00
CDH1	rs16260	Dominant	0.90 (0.84, 0.96)	0.001	0.45	0.81	0.98	1.00	1.00	1.00
MMP1	rs1799750	Additive (HmZ)	1.32 (1.03, 1.71)	0.03	0.88	0.98	1.00	1.00	1.00	1.00
MMP1	rs1799750	Recessive	1.22 (1.00, 1.48)	0.05	0.89	0.98	1.00	1.00	1.00	1.00
MMP3	rs3025058	Recessive	1.41 (1.14, 1.75)	0.001	0.48	0.83	0.98	1.00	1.00	1.00
ALDH2	rs671	Additive (HtZ)	0.88 (0.79, 0.99)	0.04	0.89	0.98	1.00	1.00	1.00	1.00
MGMT	rs12917	Additive (HtZ)	0.84 (0.70, 1.00)	0.05	0.91	0.98	1.00	1.00	1.00	1.00
MGMT	rs12917	Recessive	0.85 (0.72, 1.00)	0.05	0.91	0.98	1.00	1.00	1.00	1.00
MUTYH*	rs36053993	Additive (HmZ)	6.15 (2.34, 16.15)	<0.0005	0.17	0.51	0.91	0.99	1.00	1.00
MUTYH*	rs36053993	Recessive	6.14 (2.34, 16.13)	<0.0005	0.17	0.52	0.92	0.99	1.00	1.00
MUTYH	rs36053993	Dominant	1.18 (1.01, 1.39)	0.04	0.90	0.98	1.00	1.00	1.00	1.00
MUTYH	rs34612342	Additive (HtZ)	1.34 (1.02, 1.77)	0.04	0.89	0.98	1.00	1.00	1.00	1.00
MUTYH	rs34612342	Additive (HmZ)	3.35 (1.14, 9.89)	0.03	0.94	0.99	1.00	1.00	1.00	1.00
MUTYH	rs34612342	Recessive	3.35 (1.13, 9.87)	0.03	0.94	0.99	1.00	1.00	1.00	1.00
MUTYH	rs34612342	Dominant	1.45 (1.11, 1.90)	0.007	0.74	0.94	0.99	1.00	1.00	1.00
XRCC1	rs25487	Additive (HmZ)	0.88 (0.79, 0.97)	0.02	0.78	0.95	1.00	1.00	1.00	1.00
XRCC1	rs25487	Recessive	0.89 (0.80, 0.98)	0.02	0.85	0.97	1.00	1.00	1.00	1.00
IL6	rs1800795	Recessive	0.91 (0.83, 0.99)	0.04	0.90	0.98	1.00	1.00	1.00	1.00
NOD2	rs5743293	Additive (HtZ)	1.39 (1.15, 1.69)	0.001	0.34	0.73	0.97	1.00	1.00	1.00
NOD2	rs5743293	Dominant	1.43 (1.18, 1.73)	<0.0005	0.15	0.48	0.90	0.99	1.00	1.00
NOD2	rs2066845	Additive (HtZ)	1.41 (1.04, 1.91)	0.03	0.87	0.97	1.00	1.00	1.00	1.00
NOD2	rs2066845	Dominant	1.41 (1.04, 1.91)	0.03	0.87	0.97	1.00	1.00	1.00	1.00
NOD2	rs2066844	Dominant	1.22 (1.00, 1.50)	0.05	0.91	0.98	1.00	1.00	1.00	1.00
CCND1	rs17852153	Additive (HtZ)	1.13 (1.03, 1.25)	0.02	0.85	0.97	1.00	1.00	1.00	1.00

CCND1	rs17852153	Dominant	1.14 (1.03, 1.25)	0.008	0.68	0.92	0.99	1.00	1.00	1.00
TGFB1	rs1800469	Additive (HmZ)	1.62 (1.30, 2.02)	<0.0005	0.03	0.15	0.64	0.95	1.00	1.00
TGFB1	rs1800469	Recessive	1.48 (1.26, 1.75)	<0.0005	0.006	0.03	0.25	0.77	1.00	1.00
TGFB1	rs1800469	Dominant	1.30 (1.08, 1.58)	0.008	0.72	0.93	0.99	1.00	1.00	1.00
TGFBR1	rs11466445	Additive (HtZ)	1.15 (1.01, 1.31)	0.03	0.89	0.98	1.00	1.00	1.00	1.00
TGFBR1	rs11466445	Dominant	1.17 (1.03, 1.32)	0.02	0.77	0.95	0.99	1.00	1.00	1.00
MTHFR	rs1801133	Additive (HmZ)	0.87 (0.81, 0.94)	<0.0005	0.20	0.57	0.93	0.99	1.00	1.00
MTHFR	rs1801133	Recessive	0.89 (0.82, 0.95)	0.0005	0.23	0.61	0.94	0.99	1.00	1.00
MTHFR	rs1801131	Recessive	0.93 (0.87, 1.00)	0.05	0.94	0.99	1.00	1.00	1.00	1.00
TS	rs34743033	Additive (HtZ)	0.86 (0.78, 0.95)	0.003	0.55	0.87	0.99	1.00	1.00	1.00
TS	rs34743033	Additive (HmZ)	0.83 (0.73, 0.94)	0.004	0.56	0.87	0.99	1.00	1.00	1.00
TS	rs34743033	Dominant	0.85 (0.78, 0.94)	0.001	0.41	0.79	0.97	1.00	1.00	1.00
APC	rs459552	Additive (HmZ)	0.84 (0.71, 0.98)	0.03	0.86	0.97	1.00	1.00	1.00	1.00
APC	rs459552	Recessive	0.84 (0.71, 0.99)	0.03	0.89	0.98	1.00	1.00	1.00	1.00
CYP1A1	rs1048943	Additive (HtZ)	1.28 (1.01, 1.63)	0.05	0.89	0.98	1.00	1.00	1.00	1.00
CYP1A1	rs1048943	Additive (HmZ)	1.47 (1.17, 1.85)	0.001	0.39	0.77	0.97	1.00	1.00	1.00
CYP1A1	rs1048943	Recessive	1.50 (1.19, 1.87)	<0.0005	0.21	0.58	0.93	0.99	1.00	1.00
CYP1A1	rs1048943	Dominant	1.32 (1.05, 1.65)	0.02	0.80	0.95	1.00	1.00	1.00	1.00
CYP2C9	rs1799853	Recessive	1.31 (1.00, 1.72)	0.05	0.90	0.098	1.00	1.00	1.00	1.00
GSTM1	Null variant	Dominant	1.07 (1.01, 1.13)	0.02	0.89	0.98	1.00	1.00	1.00	1.00
GSTT1	Null variant	Dominant	1.18 (1.07, 1.31)	0.002	0.45	0.81	0.98	1.00	1.00	1.00
NAT1	slow/rapid	Additive (HtZ)	0.80 (0.68, 0.93)	0.003	0.57	0.88	0.99	1.00	1.00	1.00
VDR	rs1544410	Additive (HmZ)	0.51 (0.28, 0.90)	0.02	0.90	0.98	1.00	1.00	1.00	1.00
VDR	rs1544410	Recessive	0.61 (0.39, 0.98)	0.04	0.91	0.98	1.00	1.00	1.00	1.00
VDR	rs1544410	Dominant	0.65 (0.45, 0.96)	0.03	0.89	0.98	1.00	1.00	1.00	1.00
Common low penetrance (GWAS hits)										
SMAD7	rs4939827	Additive (HtZ)	0.89 (0.86, 0.92)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	0.001	0.007
SMAD7	rs4939827	Additive (HmZ)	0.75 (0.71, 0.79)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³
SMAD7	rs4939827	Recessive	0.87 (0.81, 0.93)	<0.0005	0.03	0.15	0.64	0.95	1.00	1.00
SMAD7	rs4939827	Dominant	0.84 (0.81, 0.87)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³
SMAD7	rs12953717	Additive (HtZ)	1.11 (1.04, 1.18)	<0.0005	0.35	0.74	0.97	1.00	1.00	1.00
SMAD7	rs12953717	Additive (HmZ)	1.23 (1.16, 1.29)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³
SMAD7	rs12953717	Recessive	1.17 (1.11, 1.23)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	0.001	0.06	0.39

SMAD7	rs12953717	Dominant	1.14 (1.08, 1.21)	<0.0005	0.02	0.07	0.44	0.89	1.00	1.00
SMAD7	rs4464148	Additive (HtZ)	1.14 (1.08, 1.19)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	0.002	0.16	0.66
SMAD7	rs4464148	Additive (HmZ)	1.30 (1.21, 1.40)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	0.004
SMAD7	rs4464148	Recessive	1.21 (1.14, 1.29)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	0.004	0.28	0.80
SMAD7	rs4464148	Dominant	1.17 (1.12, 1.23)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	0.001	0.06	0.39
8q24	rs6983267	Additive (HtZ)	1.22 (1.16, 1.28)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³
8q24	rs6983267	Additive (HmZ)	1.45 (1.39, 1.51)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³
8q24	rs6983267	Recessive	1.22 (1.18, 1.27)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³
8q24	rs6983267	Dominant	1.28 (1.24, 1.33)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³
8q24	rs10505477	Additive (HtZ)	1.21 (1.15, 1.28)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	0.003	0.03
8q24	rs10505477	Additive (HmZ)	1.32 (1.22, 1.42)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³
8q24	rs10505477	Recessive	1.17 (1.11, 1.22)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³
8q24	rs10505477	Dominant	1.25 (1.19, 1.31)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³	<10 ⁻³
9p24	rs719725	Additive (HtZ)	1.08 (1.00, 1.16)	0.04	0.93	0.99	1.00	1.00	1.00	1.00
9p24	rs719725	Additive (HmZ)	1.15 (1.07, 1.24)	<0.0005	0.15	0.48	0.90	0.99	1.00	1.00
9p24	rs719725	Recessive	1.09 (1.04, 1.14)	<0.0005	0.14	0.45	0.89	0.99	1.00	1.00
9p24	rs719725	Dominant	1.11 (1.04, 1.19)	0.003	0.63	0.90	0.99	1.00	1.00	1.00
19q13.1	rs10411210	Additive (HtZ)	0.87 (0.81, 0.93)	<0.0005	0.03	0.15	0.64	0.95	1.00	1.00
19q13.1	rs10411210	Additive (HmZ)	0.81 (0.70, 0.93)	0.003	0.52	0.85	0.98	1.00	1.00	1.00
19q13.1	rs10411210	Recessive	0.84 (0.73, 0.96)	0.009	0.76	0.94	0.99	1.00	1.00	1.00
19q13.1	rs10411210	Dominant	0.86 (0.81, 0.92)	<0.0005	0.01	0.05	0.35	0.84	1.00	1.00
16q22.1	rs9929218	Additive (HtZ)	0.93 (0.90, 0.97)	<0.0005	0.39	0.77	0.97	1.00	1.00	1.00
16q22.1	rs9929218	Additive (HmZ)	0.84 (0.78, 0.90)	<0.0005	0.001	0.004	0.04	0.28	0.98	1.00
16q22.1	rs9929218	Recessive	0.86 (0.81, 0.92)	<0.0005	0.01	0.05	0.35	0.84	1.00	1.00
16q22.1	rs9929218	Dominant	0.92 (0.89, 0.95)	<0.0005	0.001	0.003	0.03	0.24	0.97	1.00
15q14	rs4779584	Additive (HtZ)	1.13 (1.02, 1.24)	0.02	0.83	0.96	1.00	1.00	1.00	1.00
15q14	rs4779584	Additive (HmZ)	1.38 (1.09, 1.73)	0.006	0.67	0.91	0.99	1.00	1.00	1.00
15q14	rs4779584	Recessive	1.30 (1.11, 1.53)	0.001	0.41	0.78	0.97	1.00	1.0	1.00
15q14	rs4779584	Dominant	1.17 (1.06, 1.29)	0.002	0.43	0.80	0.98	1.00	1.00	1.00
1q41	rs6691170	Additive (HtZ)	1.12 (1.07, 1.17)	<0.0005	<10 ⁻³	0.003	0.03	0.21	0.96	1.00
1q41	rs6691170	Additive (HmZ)	1.19 (1.12, 1.27)	<0.0005	<10 ⁻³	0.001	0.01	0.09	0.91	0.99
1q41	rs6691170	Recessive	1.12 (1.05, 1.19)	<0.0005	0.15	0.49	0.91	0.99	1.00	1.00
1q41	rs6691170	Dominant	1.14 (1.09, 1.19)	<0.0005	<10 ⁻³	<10 ⁻³	<10 ⁻³	0.002	0.16	0.66
3q26.2	rs10936599	Additive (HtZ)	0.90 (0.86, 0.94)	<0.0005	0.003	0.01	0.12	0.58	0.99	1.00

