On-line Supplementary Table 2 - Mycobacterial Diseases

Papers Reporting Significant Linkage or Association						
Candidate Gene	**Population**	**Phenotype**	**Sample Size**	**Reported Results**	**Year**	**Reference**
MHC Class I Region:						
Aw24	Japanese?	Leprosy per se	Ca = 59; Co = 125	25.4% (Ca) vs 63.2% (Co)	1977	[Nakajima, 1977 #188]
Bw15	African American	PTB with Cavitation	Ca = 60; Co = 100	Increased Frequency	1979	[Al-Arif, 1979 #178]
B7; Bw54	Japanese	LL Type	Ca = 295; Co = 110	N/A	1982	[Izumi; 1982 #96]
HLA -A; -B	Chinese (Jiangsu)	LL vs TT Leprosy	26 Families	Increased Transmission ($p < 0.05$)	1985	[Xu, 1985 #186]
A2; B5	Egyptian	PTB	Ca = 42; Co = 156	N/A	1985	[Hafez; 1985 #12]
A11; Aw33	Korean	Leprosy per se	Ca = 157; Co = 162	Increased Frequency	1987	[Kim, 1987 #183]
Bw46	Thai	PTB	Ca = 35; Co = 35?	Increased Frequency	1988	[Chandanayingyong, 1988 #171]
B12	Thai	PTB	Ca = 35; Co = 35?	Decreased Frequency	1988	[Chandanayingyong, 1988 #171]
A10; B8	Indian (South)	Smear -ve PTB	Ca = 152; Co = 404	$p < 0.01$	1991	[Brahmajothi; 1991 #14]
Cw3	Japanese	Episcleritis in Leprosy	Ca = 79 (33/46); Co = 114	OR = 2.6; $p < 0.05$	1998	[Joko, 1998 #181]
B46/MICA-5A5	Chinese	LL Type	Ca = 69; Co = 112	RR = 0.22; $p < 0.01$	1999	[Wang; 1999 #53]
A3; 9; 10; 32	Turkish	Leprosy per se	Ca = 80; Co = 120	$p < 0.02$	2002	[Kocak; 2002 #54]
B5; 21; 44; 49	Turkish	Leprosy per se	Ca = 80; Co = 120	$p < 0.03$	2002	[Kocak; 2002 #54]
Bw4; 6; Cw1; 2	Turkish	Leprosy per se	Ca = 80; Co = 120	$p < 0.005$	2002	[Kocak; 2002 #54]
A; B & Cw	Indian	Leprosy per se	Ca = 32; Co = 67	N/A	2003	[Shankarkumar; 2003 #55]
A26; B17; B27; DR14	Iranian	PTB	Ca = 44; Co = 108	$p < 0.05$ ($pc > 0.05$)	2003	[Mahmoudzadeh-Niknam; 2003 #91]
A2, A11, B40, Cw7	Mumbai	Leprosy per se	Ca = 103; Co = 101	OR = 13.33 - 2.21; $p < 0.009$	2004	[Shankarkumar, 2004 #179]
A28, B12, B15, Cw3	Mumbai	Leprosy per se	Ca = 103; Co = 101	OR = 0.25 - 0.07; $p < 0.05$	2004	[Shankarkumar, 2004 #179]
A1 Supertype	Indian	PTB & Miliary TB	Ca = 235; Co = 289	OR = 0.43; pc = 0.001	2004	[Balamurugan; 2004 #103]
Cw Allotype 1	Indian	PTB & Miliary TB	Ca = 235; Co = 289	OR = 1.69; p = 0.005	2004	[Balamurugan; 2004 #103]
Cw Allotype 2	Indian	PTB & Miliary TB	Ca = 235; Co = 289	OR = 2.31; p = 0.000004	2004	[Balamurugan; 2004 #103]
B14	Italian	Cavitary TB	Ca = 54; Co = 1089	RR = 3.9; p = 0.001	2004	[Ruggiero; 2004 #110]
MHC Class II Region:						
DR2	Indian?	TT vs LL Leprosy	? Families	p = 0.002	1980	[van Eden, 1980 #185]
DR2	Japanese	LL Type	Ca = 84; Co = 55	RR = 8.7	1982	[Izumi; 1982 #96]
DR2	Japanese	TT Type	Ca = 28; Co = 55	RR = 5.9	1982	[Izumi; 1982 #96]
DR3	Suriname	TT Type	Ca = 73; Co = 92	p = 0.0003	1982	[van Eden; 1982 #56]
DR2	Indian	PTB	25 Families	p = 0.001	1983	[Singh, 1983 #176]
DR2	Thai	TT Type	Ca = 32; Co = 32	RR = 7.4; p = 0.02	1985	[Schauf; 1985 #57]
DQw1	Thai	TT Type	Ca = 32; Co = 32	N/A	1985	[Schauf; 1985 #57]
DR3	?	TT vs LL Leprosy	28 Families	p = 0.02	1985	[van Eden, 1985 #184]
DR1; DR2; DRw9; DQw1	Korean	Leprosy per se	Ca = 157; Co = 162	Increased Frequency	1987	[Kim, 1987 #183]
DR4; DRw53; DQw3	Korean	Leprosy per se	Ca = 157; Co = 162	Decreased Frequency	1987	[Kim, 1987 #183]
DQw1c	Melanesian	Leprosy per se	N/A	N/A	1988	[Jazwinska, 1988 #160]
DR3	Mexican	PTB	Ca = 51; Co = 54	Decreased Frequency	1988	[Cox, 1988 #170]
DR4	Thai	PTB	Ca = 35; Co = 35?	Increased Frequency	1988	[Chandanayingyong, 1988 #171]

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DR2; DQw1	Indonesian	PTB	Ca = 101; Co = 65	Attributable risk = 36% & 39%	1989	[Bothamley; 1989 #13]
DR2 & DQw1	Caucasian	Leprosy per se	Ca = 351+; Co = 274+	RR = 2.65 & 2.73	1990	[Todd; 1990 #58]
DR2	Russian	PTB	N/A	Increased Frequency	1990	[Khomenko, 1990 #168]
DR3	Russian	PTB	N/A	Decreased Frequency	1990	[Khomenko, 1990 #168]
DR2	Indian (South)	Smear +ve PTB	Ca = 204; Co = 404	Attributable risk = 0.29; p = 0.01	1991	[Brahmajothi; 1991 #14]
DRB1*1501	North Indian	LL Type	Ca = 93; Co = 47	RR = 16.3	1993	[Rani; 1993 #59]
DRB1*1502	Asian Indian	TT Type	N/A	p < 0.05	1995	[Mehra; 1995 #60]
DRB1*1501 & *1502	Indian	TT Type	Ca = 54; Co = 44	p = 5x10-6	1996	[Zerva; 1996 #61]
DR2; DRw53	Tuvinian Russian	PTB	N/A	N/A	1996	[Pospelov, 1996 #165]
DR2	Indian (North)	PTB	Ca = 153; Co = 289	RR = 1.8; pc = 0.029	1996	[Rajalingam; 1996 #15]
TAP2B	North Indian	TT Type	Ca = 50; Co = 40	RR = 3.4; p < 0.03	1997	[Rajalingam; 1997 #68]
DRB1*02	Indonesian	LL Type	Ca = 79; Co = 50	OR = 2.54; p = 0.037	1997	[Soebono; 1997 #62]
TAP-A/F	Indian (North)	PTB	Ca = 57; Co – 40	RR = 4.3; pc = 0.01	1997	[Rajalingam; 1997 #68]
DR4; DRB1*0405; DQB1*0401	Japanese	Episcleritis in Leprosy	Ca = 79 (33/46); Co = 114	OR = 0.21 - 0.04; p < 0.001	1998	[Joko, 1998 #181]
DQB1*0503	Cambodian	PTB	Ca = 126; Co = 88	p = 0.005	1998	[Goldfeld; 1998 #16]
DR2; DQ1	Indian	PTB	Ca = 209; Co = 122	RR = 2.3; RR = 2.8	1998	[Selvaraj, 1998 #164]
DR4; DQB1*0302	Japanese	Uveitis in Leprosy	Ca = 93 (46/47); Co = 114	OR = 0.28 - 0.21; p < 0.05	1999	[Joko, 1999 #180]
DR2; DRB*1501; DRB1*0405; DQB1*0302	Japanese	Uveitis in Leprosy	Ca = 93 (46/47); Co = 114	OR = 9.5 - 7.2; p < 0.00005	1999	[Joko, 1999 #180]
DRB1 alleles	Nigerian	Leprosy per se	Ca = 287; Co = 170	OR > 2.4; p < 0.05	1999	[Uko; 1999 #63]
DRB1*1501; DQB1*0601	Southern Indian	Sputum +ve PTB	Ca = 126; Co = 87	OR = 2.68; OR = 2.32	1999	[Ravikumar; 1999 #18]
DQA1*0101; DQB1*0501; DRB1*1501	Mexican	PTB	Ca = 65; Co = 95	OR = 6.16 – 7.92	1999	[Teran-Escandon; 1999 #17]
DQB1*0402; DR4; DR8	Mexican	PTB	Ca = 65; Co = 95	Decreased Frequency	1999	[Teran-Escandon; 1999 #17]
DRB1*1501; DRB5*0101; DQA1*0102; DQB1*0401	Japanese	Leprosy per se	Ca = 93; Co = 114	Increased Frequency	2000	[Joko; 2000 #64]
DRB1*0405; DQA1*03; DQB1*0401	Japanese	Leprosy per se	Ca = 93; Co = 114	Decreased Frequency	2000	[Joko; 2000 #64]
DRB1*16	Polish	PTB	Ca = 31; Co = 58	RR = 9.7;p < 0.01	2000	[Dubaniewicz; 2000 #19]
DRB1*13	Polish	PTB	Ca = 31; Co = 58	RR = 0.04; p < 0.001	2000	[Dubaniewicz; 2000 #19]
DQB1; DQA1; DRB1	Brazilian	Leprosy per se	76 Pedigrees (1166 Ind)	LOD = 4.87 – 5.78	2001	[Shaw; 2001 #65]
DRB1*1501	Indian	PTB	Ca = 22; Co = 36	p < 0.05	2001	[Sriram; 2001 #92]
DRB1*15	Chinese	PTB	Ca = 74; Co = 90	RR = 2.91; p < 0.05	2001	[Wang; 2001 #21]
DRB1*11	Chinese	PTB	Ca = 74; Co = 90	RR = 0.12; p < 0.05	2001	[Wang; 2001 #21]
DR2 & DQ1	Egyptian	Leprosy per se	Ca = 24; Co = 154	OR > 3.33; p < 0.05	2002	[Hegazy; 2002 #67]
DQ1; DQ3	Turkish	Leprosy per se	Ca = 80; Co = 120	OR > 2.72; p < 0.002	2002	[Kocak; 2002 #54]
DQB1*0502	Thai	PTB	Ca = 82; Co = 160	OR = 2.06, p = 0.01 (pc = 0.13)	2002	[Vejbaesya, 2002 #157]
DQA1*0601, DQB1*0301	Thai	PTB	Ca = 82; Co = 160	OR = 0.4, p < 0.02	2002	[Vejbaesya, 2002 #157]
DQB1*05	Polish	PTB	Ca = 38; Co = 58	OR = 2.84; pc = 0.002	2003	[Dubaniewicz; 2003 #20]
DQB1*02	Polish	PTB	Ca = 38; Co = 58	OR = 0.39; p = 0.01	2003	[Dubaniewicz; 2003 #20]
DRB1; DQA1; DQB1	Mexican	LL Type	Ca = 114; Co = 204	OR > 2.73; p < 0.001	2004	[Gorodezky; 2004 #102]
QAP; QBP	Mexican	LL Type	Ca = 114; Co = 204	OR > 4.54; p < 0.007	2004	[Gorodezky; 2004 #102]
DRB1*07; DQA1*0101	Iranian	PTB	Ca = 40; Co = 100	OR = 2.7; OR = 2.66	2004	[Amirzargar; 2004 #112]
DQA1*0301; DQA1*0501	Iranian	PTB	Ca = 40; Co = 100	OR = 0.25; OR = 0.53	2004	[Amirzargar; 2004 #112]
DR4	Italian	Cavitary TB	Ca = 54; Co = 1089	RR = 2.7; p = 0.001	2004	[Ruggiero; 2004 #110]
DRB1 *13 & DRB1*14	Tuvinian Russian	PTB	14 Pedigrees	Transmitted more frequently	2005	[Pospelova, 2005 #308]

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MHC Class III Region:						
C4B*QO	Brazilian	LL Type vs. ENL	Ca = 109; Co = 172	RR = 5.3	1993	[de Messias; 1993 #74]
TNF –238	Gambian	PTB	Ca = 206; Co = 229	OR = 2.54; p = 0.00001	1996	[Hill; 1996 #22]
TNF –308A	Indian	LL Type	Ca = 121; Co = 160	OR = 3.0; p = 0.02	1997	[Roy; 1997 #69]
HSP70-1A	Asian Indian	TT Type	N/A	RR = 4.58; p < 0.03	2000	[Rajalingam; 2000 #75]
HSP70-1A	Indian (North)	DR15 -ve PTB	N/A	RR = 12.6; p = 0.02	2000	[Rajalingam; 2000 #75]
TNF –308G	Brazilian	Leprosy per se	Ca = 300; Co = 92	χ^2 = 7.55; p = 0.005	2000	[Sarno; 2000 #70]
LTA	Brazilian	Leprosy per se	76 Pedigrees (1166 Ind)	LOD = 1.94	2001	[Shaw; 2001 #65]
TNF –308G	Brazilian	Leprosy per se	76 Pedigrees (1166 Ind)	LOD = 4.00	2001	[Shaw; 2001 #65]
TNF –308A	Brazilian	TT vs. LL Type	Ca = 90; Co = 92	OR = 1.65; p < 0.05	2002	[Santos; 2002 #72]
TNF	Vietnamese	Leprosy Subtypes	20 Pedigrees (118 sibs)	ZMLB = 3.52; p = 0.0002	2003	[Mira; 2003 #73]
TNF	Sicilian	PTB	Ca = 45; Co = 100	p = 0.05	2003	[Scola, 2003 #154]
LTA (5' UTR m/sat)	Malawian	Leprosy per se	Ca = 270; Co = 452	OR = 1.6; p = 0.03	2004	[Fitness; 2004 #126]
TNF (-308G; -238A)	Colombian	PTB	Ca = 135; Co = 430	OR = 1.8; OR = 2.2	2005	[Correa; 2005 #120]
SLC11A1 (formerly NRAMP1):						
SLC11A1 (region)	Brazilian	PTB	37 Pedigrees (287 Ind)	LOD = 0.51; p = 0.025	1997	[Shaw; 1997 #1]
SLC11A1 (region)	South Asian	Leprosy per se	20 pedigrees (168 Ind)	p < 0.02	1998	[Abel; 1998 #76]
SLC11A1 (GT(n); INT4; D543N & TGTG+/d)	Gambian	Smear +ve PTB	Ca = 410; Co = 417	OR = 4.07; p < 0.001	1998	[Bellamy; 1998 #2]
SLC11A1 (region)	Vietnamese	Mitsuda Reaction	20 pedigrees (118 Ind)	ZMLB = 3.06; p = 0.001	2000	[Alcais; 2000 #77]
SLC11A1 (INT4)	Guinea-Conakry	PTB	44 Families (160 Ind)	χ^2 = 4.14; p = 0.036	2000	[Cervino; 2000 #6]
GT(n) & D543N	Japanese	PTB	Ca = 202; Co = 267	OR = 2.07; p = 0.0003	2000	[Gao; 2000 #4]
SLC11A1 (D2S424 (distal to SLC11A1))	Canadian Indian	PTB	1 Family (81 Ind)	LOD = 3.81; p = 0.00001	2000	[Greenwood; 2000 #3]
SLC11A1 (3' UTR)	Korean	PTB	Ca = 192; Co = 192	OR = 1.85; p = 0.02	2000	[Ryu; 2000 #5]
SLC11A1 (3' UTR)	Mali	LL vs. TT Type	Ca = 273; Co = 201	OR = 5.79; p = 0.003	2001	[Meisner; 2001 #78]
SLC11A1 ($GT_{(n)}$)	Gambian	PTB	Ca = 329; Co = 324	OR = 1.40; p = 0.024	2002	[Awomoyi; 2002 #8]
SLC11A1 (D543N & TGTG+/del)	Cambodian	PTB	Ca = 358; Co = 106	OR = 0.59; p = 0.02	2002	[Delgado; 2002 #98]
SLC11A1 ($GT_{(n)}$)	Caucasian US	PTB	Ca = 135; Co = 108	OR = 2.02	2002	[Ma; 2002 #7]
SLC11A1 (INT4)	Danish	Microscopy +ve TB	Ca = 104; Co = 176	RR = 1.9; p = 0.013	2002	[Soborg, 2002 #162]
SLC11A1 (D543N)	Japanese	Cavitary Lesion in TB	Ca = 95; Co = 90	OR = 5.16	2003	[Abe; 2003 #11]
SLC11A1 (TGTG+/del)	Chinese Han	PTB	Ca = 147; Co = 145	χ^2 = 7.79; p < 0.01	2003	[Duan; 2003 #10]
SLC11A1 (D543N & TGTG+/del)	Chinese Han	PTB	Ca = 110; Co = 180	OR = 1.93; OR = 2.22	2003	[Liu; 2003 #9]
SLC11A1 ($GT_{(23)}$)	Brazilian	Mitsuda Reaction in Leprosy	Ca = 90; Co = 61	OR = 8.09	2004	[Ferreira; 2004 #125]
SLC11A1 (CAAA+/del)	Malawian	HIV -ve/+ve PTB	Ca = 239/259; Co = 762	OR = 0.65; OR = 0.70	2004	[Fitness; 2004 #127]
SLC11A1 (GT(9) & TGTG+/del)	South African	PTB	Ca = 265; Co = 224	p = 0.002 & p = 0.013	2004	[Hoal, 2004 #591]
SLC11A1 (D543N; TGTG+/del)	Chinese Han	PTB	Ca = 120; Co = 240	OR = 2.59; OR = 1.89	2004	[Liu; 2004 #104]
SLC11A1 (INT4 + D543N)	Korean	NTM Lung Disease	Ca = 41; Co = 50	OR = 10.88; p = 0.04	2005	[Koh; 2005 #132]
SLC11A1 (INT4 & D543N)	Chinese	Severe TB	Ca = 127; Co = 91	OR = 2.29; OR = 2.27	2005	[Zhang; 2005 #153]
SLC11A1 ($GT_{(n)}$ & 274C/T)	Houston (USA)	Pediatric TB	184 Nuclear Families	p = 0.04 & OR = 1.75; p = 0.01	2005	[Malik, 2005 #310]

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Other Candidates:						
BCHE (cholinesterase)	Russian	PTB	N/A	RR = 6.92	1987	[Gadzhiev, 1987 #172]
CCL18 (rs2015086; rs14304)	Brazilian	PTB	92 Pedigrees (627 Ind)	RR = 0.4; RR = 0.38	2004	[Jamieson; 2004 #38]
CCL2 (-2518G)	Mexican	PTB	Ca = 445; Co = 334	OR = 2.43; p = 0.0003	2005	[Flores-Villanueva, 2005 #312]
CCL2 (-2518G)	Korean	PTB	Ca = 129; Co = 162	OR = 2.63; p = 0.0001	2005	[Flores-Villanueva, 2005 #312]
CCL4 (rs1719144)	Brazilian	PTB	92 Pedigrees (627 Ind)	RR = 0.35; p = 0.002	2004	[Jamieson; 2004 #38]
COL3A	Indian	LL Type	Ca = 25; Co = 13	RR = 5.5; p < 0.05	1997	[Kaur; 1997 #83]
CR1 (K1590E)	Malawian	Leprosy *per se*	Ca = 270; Co = 452	OR = 0.3; p = 0.02	2004	[Fitness; 2004 #126]
CR1 (Q1022H)	Malawian	HIV-ve PTB	Ca = 196; Co = 670	OR = 3.12; p = 0.03	2004	[Fitness; 2004 #127]
CTLA4	Indian	Leprosy per se	Ca = 25; Co = 13	RR = 25.83; p < 0.0065	1997	[Kaur; 1997 #83]
ESD (Esterase)	Tuvinian Russian	PTB	Ca = 73; Co = 251	N/A	1993	[Matrakshin, 1993 #166]
Haptoglobin (2:2)	Russian	PTB	Ca = 223; Co = 567	Significantly Increased	1990	[Kharakter Zh, 1990 #169]
IFNG (874 TT)	Sicilian	PTB	Ca = 45; Co = 97	p = 0.02	2002	[Lio; 2002 #32]
IFNG	Brazilian	TT Type	Ca = 192; Co = 196	p = 0.013	2003	[Reynard; 2003 #82]
IFNG	Caucasian	Smear +ve PTB	Ca = 113; Co = 207	OR = 3.75; 0.0017	2003	[Lopez-Maderuelo; 2003 #33]
IFNG	South African	PTB	Ca = 313; Co = 235	OR = 1.64; p = 0.0055	2003	[Rossouw; 2003 #89]
IFNG (874T/A)	Hong Kong Chinese	PTB	Ca = 385; Co = 451	OR = 2.24; p < 0.001	2005	[Tso; 2005 #150]
IFNG (874T/A)	Colombian	TB	Ca = 190; Co = 135	p = 0.01	2005	[Henao; 2005 #130]
IFNGR1	Croatian	PTB	Ca = 120; Co = 87	p = 0.02	2003	[Fraser; 2003 #34]
IL10 (-1082)	Cambodian	PTB	Ca = 358; Co = 106	OR = 1.84; p = 0.01	2002	[Delgado; 2002 #98]
IL10 (-8199TT)	Brazilian	TT vs. LL Type	Ca = 222; Co = 62	OR = 2.28; p < 0.01	2002	[Santos; 2002 #72]
IL10 (-1082A)	Sicilian	PTB	Ca = 45; Co = 100	p = 0.05	2003	[Scola, 2003 #154]
IL10 (-1082)	Malawian	HIV+ve PTB	Ca = 155; Co = 541	OR = 0.37; p = 0.007	2004	[Fitness; 2004 #127]
IL10 (-3575T -2849A -2763C)	Brazilian	Leprosy per se	Ca = 297; Co = 283	OR = 2.37; p = 0.027	2004	[Moraes; 2004 #136]
IL10 (-3575T -2849G -2763C -1082A -819C -592C)	Indian	Leprosy per se	Ca = 282; Co = 266	OR = 0.58; p = 0.01	2005	[Malhotra, 2005 #304]
IL12RB2 (-1035; -1023; -650; -464)	Japanese	LL vs TT Leprosy	Ca = 176; Co = 68	OR = 2.95 – 3.97	2005	[Ohyama; 2005 #139]
IL1B (-511C)	Gambian	PTB	Ca = 335; Co = 298	OR = 0.58; p = 0.015	2005	[Awomoyi, 2005 #307]
IL1RA	Gambian	PTB	Ca = 404; Co = 417	OR = 0.46; p = 0.032	1998	[Bellamy; 1998 #26]
IL8 (-251A)	Caucasian	PTB	Ca = 106; Co = 107	OR = 3.41; p < 0.006	2003	[Ma; 2003 #27]
IL8 (-251A)	African American	PTB	Ca = 180; Co = 167	OR = 3.46; p < 0.01	2003	[Ma; 2003 #27]
LAMA2	Indonesian	TT vs. LL type	Ca = 53; Co = 58	OR = 6.73; p < 0.005	2002	[Wibawa; 2002 #80]
MBP (C)	Gambian	PTB	Ca = 397; Co = 422	OR = 0.79; p = 0.037	1998	[Bellamy; 1998 #29]
MBP (B)	South African	TB Meningitis	Ca = 91; Co = 79	p = 0.017	1999	[Hoal-Van Helden; 1999 #31]
MBP (B; C; D)	Indian	PTB	Ca = 202; Co = 109	OR = 6.5; p = 0.008	1999	[Selvaraj; 1999 #30]
MBP (B; C)	West African	TB Incidence	626 Individuals	r = 0.565; t = 2.273	2003	[Mombo, 2003 #158]
MBP (B; C; D & X)	Danish	PTB	Ca = 59; Co = 250	p = 0.03	2003	[Soborg, 2003 #161]
MBP (B)	African Ameican	PTB	Ca = 176; Co = 71	OR = 0.34; p < 0.01	2004	[El Sahly; 2004 #124]
MBP (C)	Malawian	HIV+ve PTB	Ca = 154; Co = 546	OR = 1.69; p = 0.034	2004	[Fitness; 2004 #127]
NOS2A (-1026)	Brazilian	PTB	92 Pedigrees (627 Ind)	RR = 3.25; p = 0.021	2004	[Jamieson; 2004 #38]
P2RX7	Gambian	PTB	Ca = 646; Co = 694	OR = 0.70; p = 0.003	2002	[Li; 2002 #35]
PARK2/ PACRG	Vietnamese	Leprosy per se	197 pedigrees	OR = 5.28; p = 0.0005	2004	[Mira; 2004 #84]
PARK2/ PACRG	Brazilian	Leprosy per se	Ca = 587; Co = 388	OR = 2.21; p < 0.00002	2004	[Mira; 2004 #84]
PGM1 (Phosphoglucomutase)	Indian	PTB	N/A	Significant Difference	1983	[Papiha, 1983 #173]
PGM1 (*2+ allele)	South Indian	PTB	Ca = 204; Co = ?	N/A	1987	[Papiha, 1987 #174]

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SP-A1	Mexican	PTB	Ca = 107; Co = 101	OR = 4.51, p = 0.008	2000	[Floros, 2000 #156]
SP-A2	Mexican	PTB	Ca = 107; Co = 102	OR = 9.57, p = 0.38	2000	[Floros, 2000 #156]
SP-A2 (A1660G; G1649C)	Indian	PTB	Ca = 17; Co = 19	OR = 16.3; p< 0.001	2002	[Madan; 2002 #36]
SP-A1 (307A, 776T)	Ethiopian	PTB	181 Pedigrees (226 cases)	p < 0.019	2005	[Malik, 2005 #309]
SP-A2 (355C, 751C)	Ethiopian	PTB	181 Pedigrees (226 cases)	p < 0.042	2005	[Malik, 2005 #309]
SP-B (B1012_A, AAGG_1)	Mexican	PTB	Ca = 107; Co = 103	OR = 2.36; OR = 0.12	2000	[Floros, 2000 #156]
STAT5B (rs2230097)	Brazilian	PTB	92 Pedigrees (627 Ind)	RR = 0.36; p = 0.038	2004	[Jamieson; 2004 #38]
TLR2 (Arg753Gln)	Turkish	PTB	Ca = 151; Co = 116	1.60 - 6.04 Fold Increase	2004	[Ogus; 2004 #39]
TLR2 (C2029T)	Tunisian	PTB	Ca = 33; Co = 33	p < 0.0001	2004	[Ben-Ali; 2004 #108]
TLR2 (psuedogene?)	Korean	LL Type	Ca = 131; Co = 45	22% of LL cases	2001	[Kang; 2001 #81]
UBE3A	African	PTB	180 Pedigrees	χ^2 = 4.17; p = 0.03	2002	[Cervino; 2002 #37]
VDR (tt)	Bengali Indian	TT Type	Ca = 231; Co = 166	OR = 3.22; p < 0.001	1999	[Roy; 1999 #79]
VDR (TT)	Bengali Indian	LL Type	Ca = 231; Co = 166	OR = 1.67; p = 0.03	1999	[Roy; 1999 #79]
VDR (tt)	Gambian	PTB	Ca = 408; Co = 414	OR = 0.53; p = 0.01	1999	[Bellamy; 1999 #23]
VDR (ff)	Gujarati Asian	Extra-pulmonary TB	Ca = 52; Co = 116	OR = 2.8	2000	[Wilkinson; 2000 #24]
VDR (ff)	Chinese Han	PTB	Ca = 76; Co = 171	OR = 3.67	2003	[Liu; 2003 #25]
VDR (BsmI; FokI)	Indian	Spinal TB	Ca = 64; Co = 103	OR = 2.2; OR = 2.4	2004	[Selvaraj; 2004 #146]
VDR (–ff)	Chinese Han	PTB	Ca = 120; Co = 240	OR = 2.35; p = 0.03	2004	[Liu; 2004 #104]
VDR (FokI; BsmI; ApaI; TaqI)	West African	PTB	382 Trios	χ^2 = 22.11; p = 0.009	2004	[Bornman; 2004 #116]
VDR (TaqI)	Malawian	Leprosy per se	Ca = 270; Co = 452	OR = 4.3; p = 0.004	2004	[Fitness; 2004 #126]
VDR (TaqI; FokI)	Peruvian	TB Treatment	Ca = 103; Co = 206	RR = 5.6; RR = 9.6	2004	[Roth; 2004 #144]

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Papers Reporting No Significant Linkage or Association						
Candidate Gene	**Population**	**Phenotype**	**Sample Size**	**Reported Results**	**Year**	**Reference**
MHC Class I Region:						
HLA -A; -B	Thai	Leprosy per se	Ca = 170; Co = 100	ns	1979	[Chiewsilp, 1979 #187]
HLA -A; -B; -C	Japanese	Leprosy per se	Ca = 54; Co = 167	ns	1981	[Miyanaga, 1981 #189]
Aw30; Aw33; B7; B15; B17	Mexican American	PTB	Ca = 100; Co = 100	ns	1982	[Cox; 1982 #43]
HLA-A, -B, -C	Northern Indian	PTB	Ca = 124; Co = 109	ns	1983	[Singh, 1983 #176]
HLA	Indian	PTB	21 Families	No Linkage	1984	[Singh, 1984 #175]
HLA-A & -B	Hong Kong Chinese	PTB	Ca = 256; Co = 100	ns	1988	[Hawkins; 1988 #44]
HLA	Brazilian	PTB	98 Pedigrees (704 Ind)	ns	2001	[Blackwell; 2001 #45]
HLA –A; -B; -C	Italian	Current TB	Ca = 68; Co = 1089	ns	2004	[Ruggiero; 2004 #110]
MHC Class II Region:						
DR2	Northern Indian	PTB	Ca = 124; Co = 109	ns (after correction)	1983	[Singh, 1983 #176]
DRB; DQA, DQB	South Indian	PTB	Ca = 38; Co = 36; 12 families	No association; No linkage	1992	[Sanjeevi, 1992 #167]
DQB1*0501	Iranian	PTB	Ca = 40; Co = 100	ns	2004	[Amirzargar; 2004 #112]
MHC Class III Region:						
TNF	Polynesian	Leprosy per se	6 Pedigrees	ns	1997	[Levee; 1997 #97]
TNF	Brazilian	PTB	37 pedigrees (287 Ind)	LOD = 0.01	1997	[Shaw; 1997 #1]
TNF	Cambodian	PTB	Ca = 126; Co = 88	ns	1998	[Goldfeld; 1998 #16]
TNF -238; -308	Indian	PTB	Ca = 210; Co = 120	ns	2001	[Selvaraj; 2001 #51]
LT	Indian	PTB	Ca = 210; Co = 120	ns	2001	[Selvaraj; 2001 #51]
TNF -1030; -862; -856; -307	Cambodian	PTB	Ca = 358; Co = 106	p > 0.05	2002	[Delgado; 2002 #98]
TNF (-308; -238)	Brazilian	LL vs TT Leprosy	LL = 401; TT = 230	ns	2004	[Vanderborght; 2004 #152]
TNF (-238; -308; -376; -893)	Malawian	Leprosy per se	Ca = 270; Co = 452	ns	2004	[Fitness; 2004 #126]
TNF (-238; -308; -376; -893)	Malawian	HIV -ve/+ve PTB	Ca ~ 181/144; Co = 417	ns	2004	[Fitness; 2004 #127]
LTA (5' UTR m/sat)	Malawian	HIV -ve/+ve PTB	Ca = 198/237; Co = 707	ns	2004	[Fitness; 2004 #127]
TNF (-308)	Colombian	TB	Ca = 190; Co = 135	ns	2005	[Henao; 2005 #130]
SLC11A1 (formerly NRAMP1):						
SLC11A1	Polynesian	Leprosy per se	7 pedigrees (84 Ind)	ns	1997	[Roger; 1997 #86]
SLC11A1	Indian	Leprosy per se	Ca = 220; Co = 162	p = 0.80	1999	[Roy; 1999 #79]
SLC11A1	Brazilian	Mitsuda Reaction	33 ASPs (8 Ca)	ns	2001	[Hatagima; 2001 #87]
SLC11A1	Russian (Slavic)	PTB	Ca = 58; Co = 127	ns	2002	[Puzyrev; 2002 #40]
SLC11A1	Taiwanese	PTB	Ca = 49; Co = 48	ns	2002	[Liaw; 2002 #41]
SLC11A1	Moroccan	PTB	116 Pedigrees	ns	2003	[El Baghdadi; 2003 #42]
SLC11A1	Malawian	Leprosy per se	Ca = 270; Co = 452	ns	2004	[Fitness; 2004 #126]
SLC11A1 (1703G/A)	Japanese	PTB	Ca = 114, Co = 110	p = 0.144	2004	[Akahoshi; 2004 #101]
SLC11A1	Polish	PTB	Ca = 85; Co = 93	ns	2005	[Dubaniewicz; 2005 #123]

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Other Candidates:						
CCL3 (-906 promoter m/sat)	Malawian	Leprosy per se	Ca = 270; Co = 452	ns	2004	[Fitness; 2004 #126]
CCL3 (-906 promoter m/sat)	Malawian	HIV -ve/+ve PTB	Ca = 147/206; Co = 580	ns	2004	[Fitness; 2004 #127]
CCL3 (-459)	Mexican	PTB	Ca = 445; Co = 518	ns	2005	[Flores-Villanueva, 2005 #312]
CCL5 (-471)	Mexican	PTB	Ca = 445; Co = 518	ns	2005	[Flores-Villanueva, 2005 #312]
CD14 -159CT	Columbian	PTB	Ca = 267; Co = 112	ns	2004	[Pacheco; 2004 #105]
CXCR1	Caucasian US	PTB	Ca = 106; Co = 107	ns	2003	[Ma; 2003 #27]
CXCR1	African American	PTB	Ca = 180; Co = 167	ns	2003	[Ma; 2003 #27]
CXCR2	Caucasian US	PTB	Ca = 106; Co = 107	ns	2003	[Ma; 2003 #27]
CXCR2	African American	PTB	Ca = 180; Co = 167	ns	2003	[Ma; 2003 #27]
Haptoglobin (HP)	Zimbabwean	PTB	Ca = 98; Co = 98	p = 0.5	2000	[Kasvosve, 2000 #155]
ICAM1 (179A/T)	Malawian	Leprosy per se	Ca = 270; Co = 452	ns	2004	[Fitness; 2004 #126]
ICAM1 (179A/T)	Malawian	HIV -ve/+ve PTB	Ca = 209/217; Co = 596	ns	2004	[Fitness; 2004 #127]
IFNA17 (551T/G)	Japanese	PTB	Ca = 114, Co = 110	p = 0.155	2004	[Akahoshi; 2004 #101]
IFNB (153C/T)	Japanese	PTB	Ca = 114, Co = 110	p = 0.137	2004	[Akahoshi; 2004 #101]
IFNG (1348T/A)	Japanese	PTB	Ca = 114, Co = 110	p = 0.55	2004	[Akahoshi; 2004 #101]
IFNG (874T/A)	Malawian	Leprosy per se	Ca = 270; Co = 452	ns	2004	[Fitness; 2004 #126]
IFNG (874T/A)	Malawian	HIV -ve/+ve PTB	Ca = 213/238; Co = 703	ns	2004	[Fitness; 2004 #127]
IFNGR1	Korean	LL Type	Ca = 93; Co = 94	ns	2003	[Lee; 2003 #88]
IFNGR1	Gambian	PTB	Ca = 297; Co = 285	ns	2004	[Awomoyi, 2004 #592]
IFNGR1 (167T/C)	Japanese	PTB	Ca = 114, Co = 110	p = 0.213	2004	[Akahoshi; 2004 #101]
IFNGR1 (-611; -56)	African American	PTB	Ca = 76; Co = 114	ns	2004	[Rosenzweig; 2004 #143]
IFNGR1 (-611; -56)	Caucasian	PTB	Ca = 70; Co = 128	ns	2004	[Rosenzweig; 2004 #143]
IFNGR1 (395)	Iranian	PTB	Ca = 50; Co = 54	ns	2005	[Mirsaeidi, 2005 #311]
IFNGR2 (839G/A)	Japanese	PTB	Ca = 114, Co = 110	p = 0.498	2004	[Akahoshi; 2004 #101]
IL10	Gambian	PTB	Ca = 792; Co = 816	ns	1998	[Bellamy; 1998 #26]
IL10	Caucasian	PTB	Ca = 113; Co = 207	ns	2003	[Lopez-Maderuelo; 2003 #33]
IL10 (-592; -819; -1082)	Malawian	Leprosy per se	Ca = 270; Co = 452	ns	2004	[Fitness; 2004 #126]
IL12 - 3' UTR	Russian	PTB	Ca = 58; Co = 127	ns	2002	[Puzyrev; 2002 #40]
IL12p40	Caucasian US	PTB	Ca = 106; Co = 107	ns	2003	[Ma; 2003 #49]
IL12p40	African American	PTB	Ca = 180; Co = 167	ns	2003	[Ma; 2003 #49]
IL12RB1	Korean	LL Type	Ca = 93; Co = 94	ns	2003	[Lee; 2003 #88]
IL12RB1 (641A/G)	Japanese	PTB	Ca = 114, Co = 110	p = 0.610	2004	[Akahoshi; 2004 #101]
IL12RB1 (+705, +1158, +1196, +1637, +1664)	Koreans	PTB	Ca = 115; Co = 151	ns	2005	[Lee, 2005 #305]
IL12RB2 (365C/T)	Japanese	PTB	Ca = 114, Co = 110	p = 0.59	2004	[Akahoshi; 2004 #101]
IL1RA	Gujarati Asian	PTB	Ca = 89; Co = 114	ns	1999	[Wilkinson; 1999 #47]
IL1RA	Indian	PTB	Ca = 202; Co = 109	ns	2000	[Selvaraj; 2000 #48]
IL1RA	Cambodian	PTB	Ca = 358; Co = 106	$\chi^2 = 3.27$; p = 0.19	2002	[Delgado; 2002 #98]
IL1RN	Gambian	PTB	Ca = 35; Co = 298	ns	2005	[Awomoyi, 2005 #307]
IL1β	Polynesian	Leprosy per se	6 Pedigrees	ns	1997	[Levee; 1997 #97]
IL1β	Gujarati Asian	PTB	Ca = 89; Co = 114	ns	1999	[Wilkinson; 1999 #47]
IL1β -511; +3953	Cambodian	PTB	Ca = 358; Co = 106	p = 0.32 & 0.78	2002	[Delgado; 2002 #98]
IL6 (-174G/C)	Colombian	TB	Ca = 190; Co = 135	ns	2005	[Henao; 2005 #130]

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IL8 -251 & +781	Gambian	PTB	Ca = 284; Co = 245	p = .50; p = .42	2004	[Cooke; 2004 #106]
MBP (B; C; D)	Hispanic	PTB	Ca = 198; Co = 46	ns	2004	[El Sahly; 2004 #124]
MBP (B; C; D)	Caucasian	PTB	Ca = 113; Co = 69	ns	2004	[El Sahly; 2004 #124]
MBP (C)	Malawian	Leprosy per se	Ca = 270; Co = 452	ns	2004	[Fitness; 2004 #126]
MBP (C; D)	African American	PTB	Ca = 176; Co = 71	ns	2004	[El Sahly; 2004 #124]
MMP-1 1G/2G	Japanese	PTB	Ca = 105; Co = 106	ns	2004	[Ninomiya; 2004 #107]
NLI-IF	Caucasian US	PTB	Ca = 94; Co = 145	p > 0.05	2002	[Ma; 2002 #90]
NOD2	Gambian	PTB	Ca = 320; Co = 320	ns	2004	[Stockton; 2004 #109]
NOS2A (-954)	Mexican	PTB	Ca = 445; Co = 518	ns	2005	[Flores-Villanueva, 2005 #312]
SLC11A2	South African	PTB	Ca = 265; Co = 224	ns	2004	[Hoal, 2004 #591]
SPP1 (2514C/T)	Japanese	PTB	Ca = 114, Co = 110	p = 0.643	2004	[Akahoshi; 2004 #101]
TGFβ1 (T869C)	Japanese	PTB	Ca = 101; Co = 110	ns	2002	[Niimi; 2002 #137]
TGFβ1	Colombian	TB	Ca = 190; Co = 135	ns	2005	[Henao; 2005 #130]
TLR2 (Int 2 m/sat)	Malawian	Leprosy per se	Ca = 270; Co = 452	ns	2004	[Fitness; 2004 #126]
TLR2 (Int 2 m/sat)	Malawian	HIV -ve/+ve PTB	Ca = 215/249; Co = 742	ns	2004	[Fitness; 2004 #127]
TLR4	Gambian	PTB	Ca = 307; Co = 298	$\chi 2$ = 0.19; p = 1.00	2004	[Newport, 2004 #593]
TLR4 (896A/G)	Malawian	Leprosy per se	Ca = 270; Co = 452	ns	2004	[Fitness; 2004 #126]
TLR4 (896A/G)	Malawian	HIV -ve/+ve PTB	Ca = 162/120; Co = 427	ns	2004	[Fitness; 2004 #127]
TLR2	Indian	Leprosy per se	Ca = 286; Co = 183	ns	2005	[Malhotra; 2005 #135]
TNFSF5 (CD40)	West African	PTB	121 Trios	ns	2003	[Campbell; 2003 #52]
VDR	Cambodian	PTB	Ca = 358; Co = 106	$\chi 2$ = 0.99; p = 0.60	2002	[Delgado; 2002 #98]
VDR (TaqI; ApaI; BsmI)	Malawian	HIV -ve/+ve PTB	Ca ~212/225; Co = 672	ns	2004	[Fitness; 2004 #127]
PUBMED Search Terms = Mycobacteri* AND susceptibility NOT drug; Field: Text Word, Limits: Humans						
PUBMED Search Term = tuberculosis AND susceptibility NOT drug; Field: Text Word, Limits: Humans						
PUBMED Search Terms = leprosy AND susceptibility NOT drug; Field: Text Word, Limits: Humans						
Ca = Cases						
Co = Controls						
Ind = Individuals						
ns = Not Significant						
OR = Odds Ratio						
RR = Relative Risk						
χ^2 = Chi-Squared						
ZMLB = Z Score of the Maximum-Likelihood-Binomial						
LOD = Logarithm of the Odds						
pc = Corrected p-Value						
N/A = Not Available (Possibly Abstract Only Available)						
LL = Lepromatous Leprosy						
TT = Tuberculoid Leprosy						
TB = Tuberculosis						
PTB = Pulmonary Tuberculosis						
NTM - Non-Tuberculous Mycobacterial						

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