Supplementary Table S1. Characteristics of Studies Included in This Meta-Analysis

| First author | Year of publication | Country (region) | Ethnicity | Ascertainment of osteoporosis | Matching criteria | Cases | | | | Controls | | | | B allele in controls |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Numbers | Age (years, mean±SD) | Menopause | BMD site | Numbers | Age (years, mean±SD) | Menopause | BMD site | |
| Mansour | 2010 | Egypt (Cairo) | African | WHO | Age | 50 | 54.4±5.1 | Post | LS, FN | 20 | 53.5±5.4 | Post | LS, FN | 0.10 |
| Musumeci | 2009 | Italy (Rome) | African/Caucasian | WHO | — | 100 | 49.9±3.1 | Post | PF | 100 | African women: 66.5±8.9; Sicilian women: 52.4±4.4 | Post | PF | 0.33 |
| Tamai | 1997 | Japan (Fukuoka) | Asian | Roentgenograms | Age | 90 | 71.0±10.0 | — | LS | 92 | 43.0±17.0 | — | LS | 0.12 |
| Lim | 1995 | Korea (Seoul) | Asian | WHO | — | 72 | 55-72 | — | LS | 70 | 35.0±2.3 | — | - | 0.08 |
| Kanan | 2008 | India (Jordan) | Asian | WHO | — | 150 | 62.1 | Post | LS, FN | 80 | 60.8 | Post | LS, FN | 0.55 |
| Mitra | 2006 | India (Jordan) | Asian | WHO | — | 119 | — | Post | LS, FN | 97 | — | Post | LS, FN | 0.39 |
| Yanagi | 1996 | Japan (Tsukuba) | Asian | WHO | Age | 46 | 65.0±8.8 | Post | LS | 66 | 64.9±6.3 | Post | LS | 0.08 |
| Langdahl | 2000 | Denmark (Aarhus Amtssygehus) | Caucasian | WHO | Age | 110 | Women: 58.2±6.4; Men: 55.7±11.0 | — | LS | 153 | Women: 56.2±7.7; Men: 51.1±15.7 | — | LS | 0.46 |
| Poggi | 1999 | Italy (Firenze) | Caucasian | BMD <0.75 g/cm² | — | 10 | — | — | LS | 40 | — | — | LS | 0.45 |
| Mencej-Bedrac | 2009 | Slovenia (Ljubljana) | Caucasian | WHO | — | 239 | 64.5±8.2 | Post | LS, FN | 412 | — | — | LS, FN | 0.42 |
| Riggs | 1995 | United States (Rochester) | Caucasian | LS BMD <0.85 g/cm² and vertebral fracture | — | 43 | 65.8±5.9 | Post | LS | 139 | 53.2±14.5 | — | - | 0.39 |
| Perez | 2008 | Argentina (Cordoba) | Caucasian | WHO | — | 64 | 62.70±0.86 | Post | LS, FN | 68 | 59.40±0.85 | Post | LS, FN | 0.53 |
| Vandevyver | 1997 | Belgium (Diepenbeek) | Caucasian | Femoral neck density Z score normally distributed | — | 84 | 66.6±8.4 | Post | LS, FN, PR | 804 | 75.5±5.0 | Post | LS, FN, PR | 0.45 |
| Zajickova | 2002 | Czech Republic (Prague) | Caucasian | WHO | — | 65 | 63.6±7.8 | Post | LS | 33 | 60.1±10.3 | Post | LS | 0.50 |
| Gennari | 1998 | Italy (Siena) | Caucasian | WHO | — | 160 | 58.2±0.6 | Post | LS | 144 | 57.1±0.7 | Post | LS | 0.34 |
| Seremak-Mrozikiewicz | 2009 | Poland (Poznan) | Caucasian | WHO | Age | 163 | 64.3±8.7 | Post | LS | 63 | 63.1±7.2 | Post | LS | 0.37 |
| Melhus | 1994 | Sweden (Uppsala) | Caucasian | LS BMD <0.91 g/cm² | — | 70 | 70.8 | — | LS, FN | 76 | 69.8 | — | LS, FN | 0.32 |
| Houston | 1996 | UK (Aberdeen) | Caucasian | WHO | Age | 44 | 66.0±0.85 | Post | LS, FN | 44 | 65.3±0.95 | Post | LS, FN | 0.42 |
| Fountas | 1999 | Greece (Athens) | Caucasian | WHO | Age | 59 | 52.1±9.0 | Pre; post | LS | 53 | 45.2±9.8 | Pre; post | LS | 0.42 |
| Pollak | 2001 | Israel (Jerusalem) | Jews | WHO | Sex and ethnicity | 75 | — | Post | LS, FN | 143 | — | — | LS, FN | 0.35 |
| Lisker | 2003 | Mexico (Tlalpan) | Mexican | WHO | Age | 65 | 65.2±6.8 | Post | LS | 57 | 56.5±6.0 | Post | LS | 0.56 |
| Duman | 2004 | Turkey (Istanbul) | Turkish | WHO | — | 75 | 53.2±1.3 | Post | LS, FN | 66 | 52.6±1.7 | Post | LS, FN | 0.58 |
| Durusu Tanriover | 2010 | Turkey (Afyonkarahisar) | Turkish | WHO | — | 50 | 58.3±6.5 | Post | LS, FN | 50 | 57.3±6.6 | Post | LS, FN | 0.45 |
| Efesoy | 2011 | Turkey (Ankara) | Turkish | WHO | Age | 40 | 65.8±9.8 | Post | LS, FN | 30 | 62.4±8.7 | Post | LS, FN | 0.42 |
| Uysal | 2008 | Turkey (Ankara) | Turkish | WHO | — | 100 | — | Post | LS, FN | 146 | — | Post | LS, FN | 0.43 |
| Yoldemir | 2011 | Turkey (Istanbul) | Turkish | WHO | — | 130 | 59.1±6.3 | Post | LS, FN | 130 | 23.3±1.5 | Pre | LS, FN | 0.42 |

BMD, bone mineral density; WHO, World Health Organization; LS, lumbar spine; FN, femoral neck; PR, proximal radius; PF, proximal femur; SD, standard deviation.