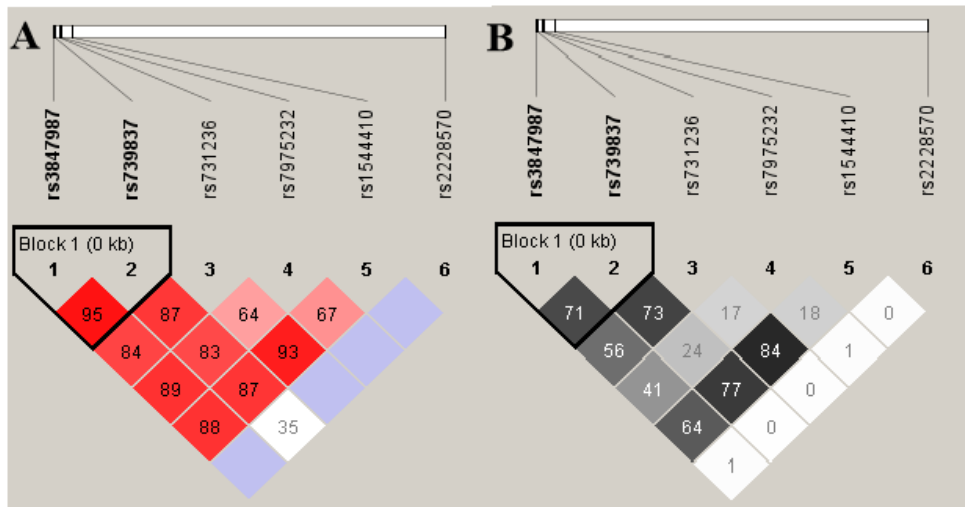
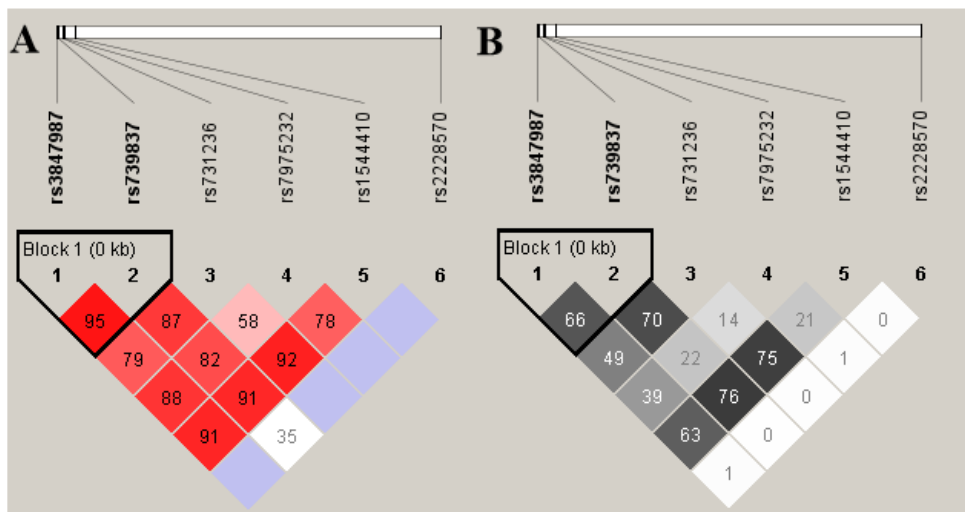


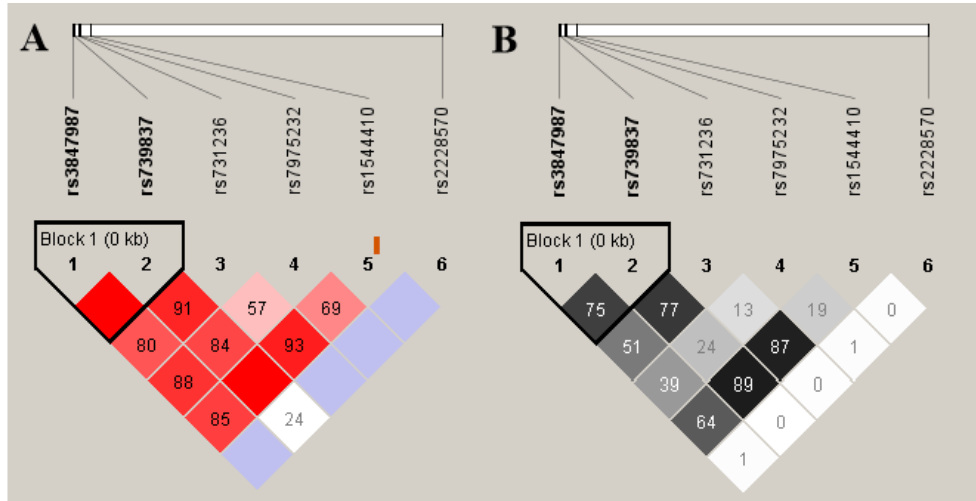
# Supplemental Figures



**Figure S1** Linkage disequilibrium test for SNPs of *VDR* gene between the controls and cases infected Beijing lineage of *M. tuberculosis* after PS. Figure S1A showed the  $D'$  values between each two loci, and Figure S1B showed the  $r^2$  values between each two loci.



**Figure S2** Linkage disequilibrium test for SNPs of *VDR* gene between the controls and cases infected non-Beijing lineage of *M. tuberculosis* after PS. Figure S2A showed the  $D'$  values between each two loci, and Figure S2B showed the  $r^2$  values between each two loci.



**Figure S3** Linkage disequilibrium test for SNPs of *VDR* gene among the cases infected different lineages of *M. tuberculosis*. Figure S3A showed the  $D'$  values between each two loci, and Figure S3B showed the  $r^2$  values between each two loci.

## Supplemental tables

**Table S1** The associations between haplotype distributions of *VDR* gene and Beijing lineage of *M. tuberculosis* in the population after PS

Haplotype	Beijing	Controls (n/%)	$\chi^2$	$P$	OR (95%CI)
	lineage (n/%)				
CC	41.6(68.9)	56.4(58.3)	1.759	0.185	1.579(0.802-3.107)
TG	14.6(24.2)	25.3(26.1)	0.028	0.868	0.939(0.448-1.967)
TC	4.2(6.9)	15.1(15.6)	2.697	0.101	0.390(0.123-1.238)

**Table S2** The associations between haplotype distributions of VDR gene and Non-Beijing lineage of *M. tuberculosis* in the population after PS

Haplotype	Non-Beijing lineage(n/%)	Controls (n/%)	$\chi^2$	<i>P</i>	<i>OR</i> (95% <i>CI</i> )
CC	36.1(61.2)	60.4(62.6)	0.034	0.854	0.939(0.482-1.829)
TG	14.7(24.9)	26.3(27.3)	0.052	0.820	0.918(0.438-1.922)
TC	8.2(13.9)	9.7(10.1)	0.380	0.538	1.365(0.506-3.680)

**Table S3** The associations between haplotype distributions of VDR gene and lineages of *M. tuberculosis*

Haplotype	Beijing lineage (n/%)	Non-Beijing lineage (n/%)	$\chi^2$	<i>P</i>	<i>OR</i> (95% <i>CI</i> )
CC	34.6(58.6)	36.5(62.4)	0.143	0.706	0.867(0.414-1.818)
TG	18.4(31.2)	14.6(25.0)	0.379	0.538	1.288(0.575-2.885)
TC	6.0(10.2)	7.4(12.6)	0.107	0.744	0.825(0.260-2.621)