FIG. 1

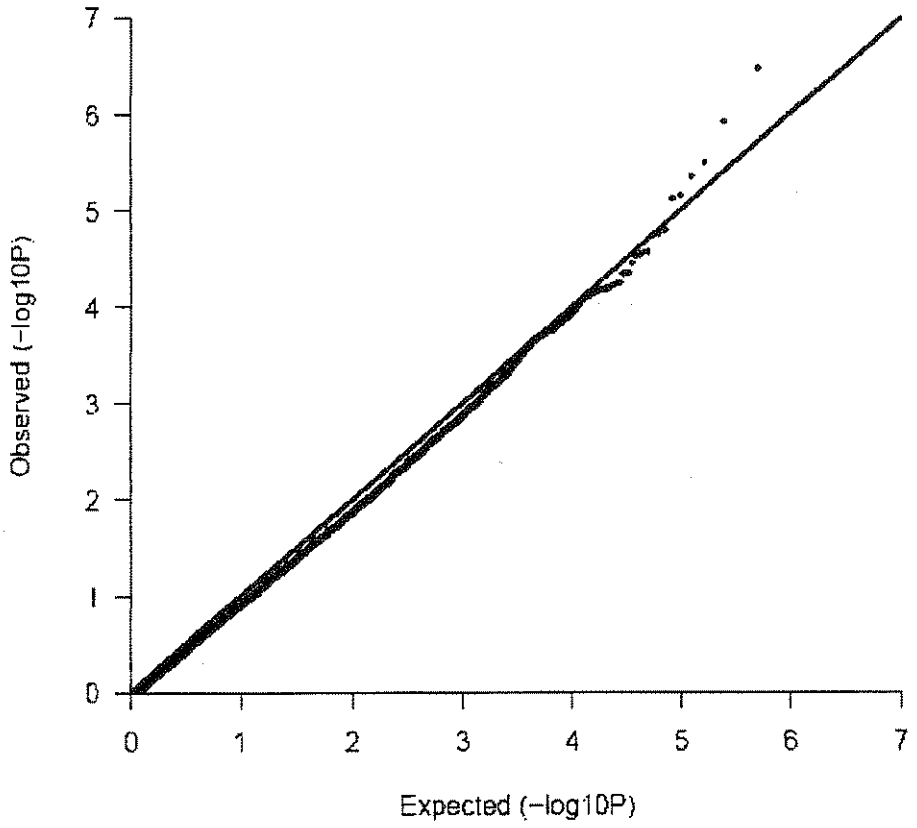


FIG. 2

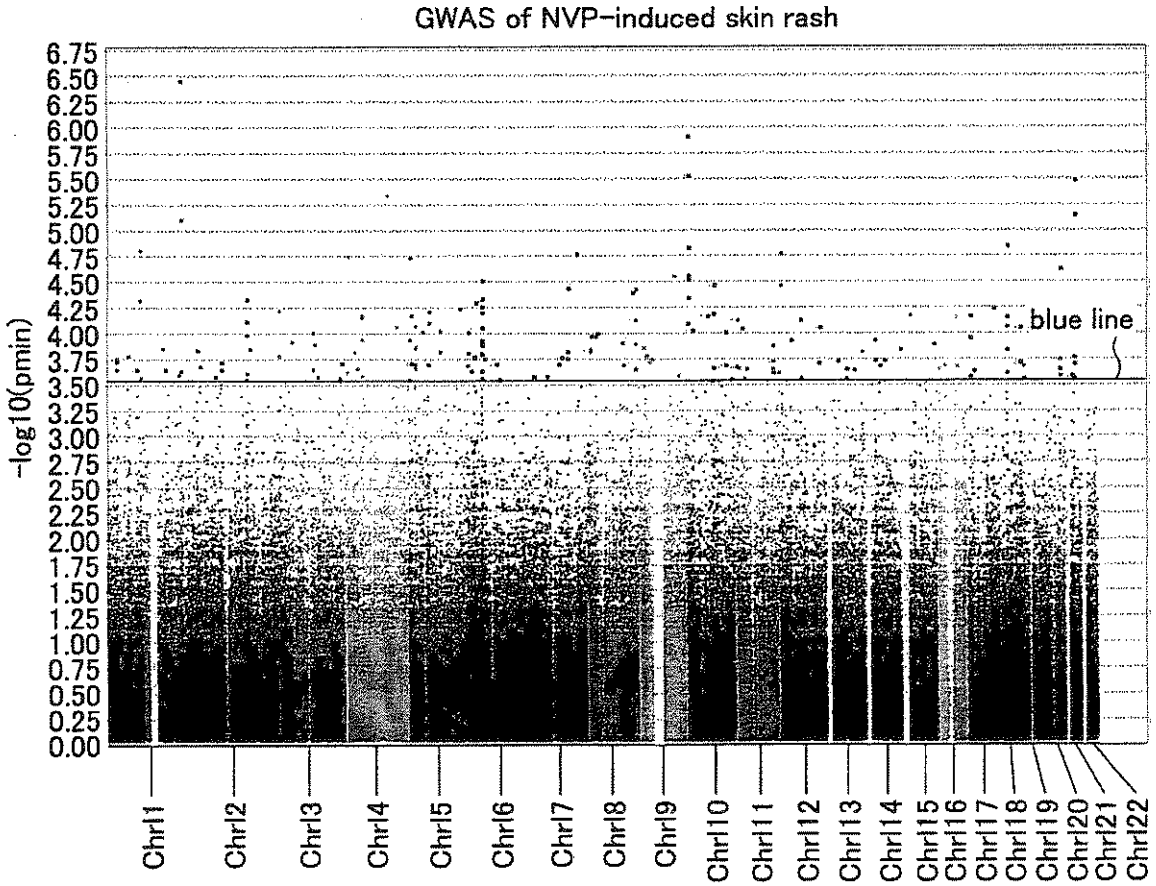

GWAS of NVP-induced skin rash
-log10(pmin)
6.75
6.50
6.25
6.00
5.75
5.50
5.25
5.00
4.75
4.50
4.25
4.00
3.75
3.50
3.25
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
blue line
Chr1
Chr2
Chr3
Chr4
Chr5
Chr6
Chr7
Chr8
Chr9
Chr10
Chr11
Chr12
Chr13
Chr14
Chr15
Chr16
Chr17
Chr18
Chr19
Chr20
Chr21
Chr22

FIG. 3

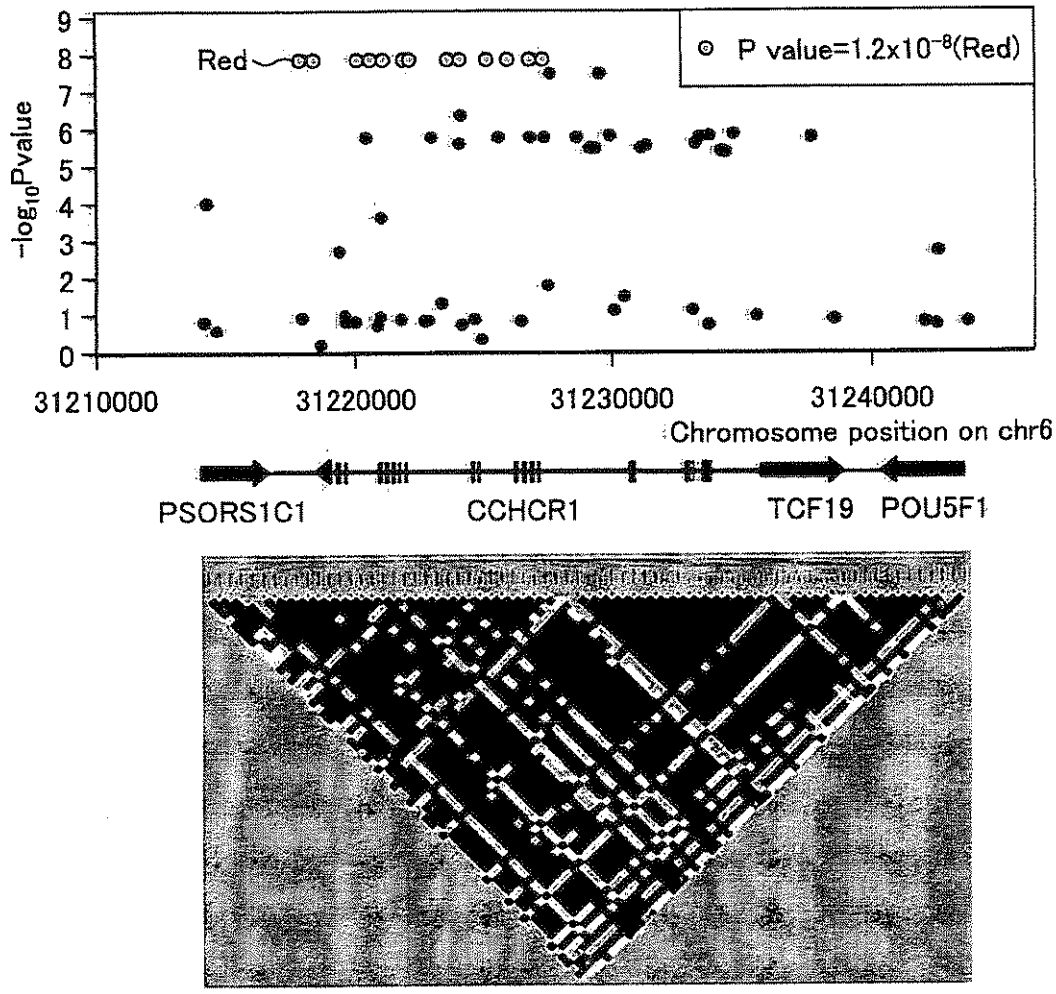
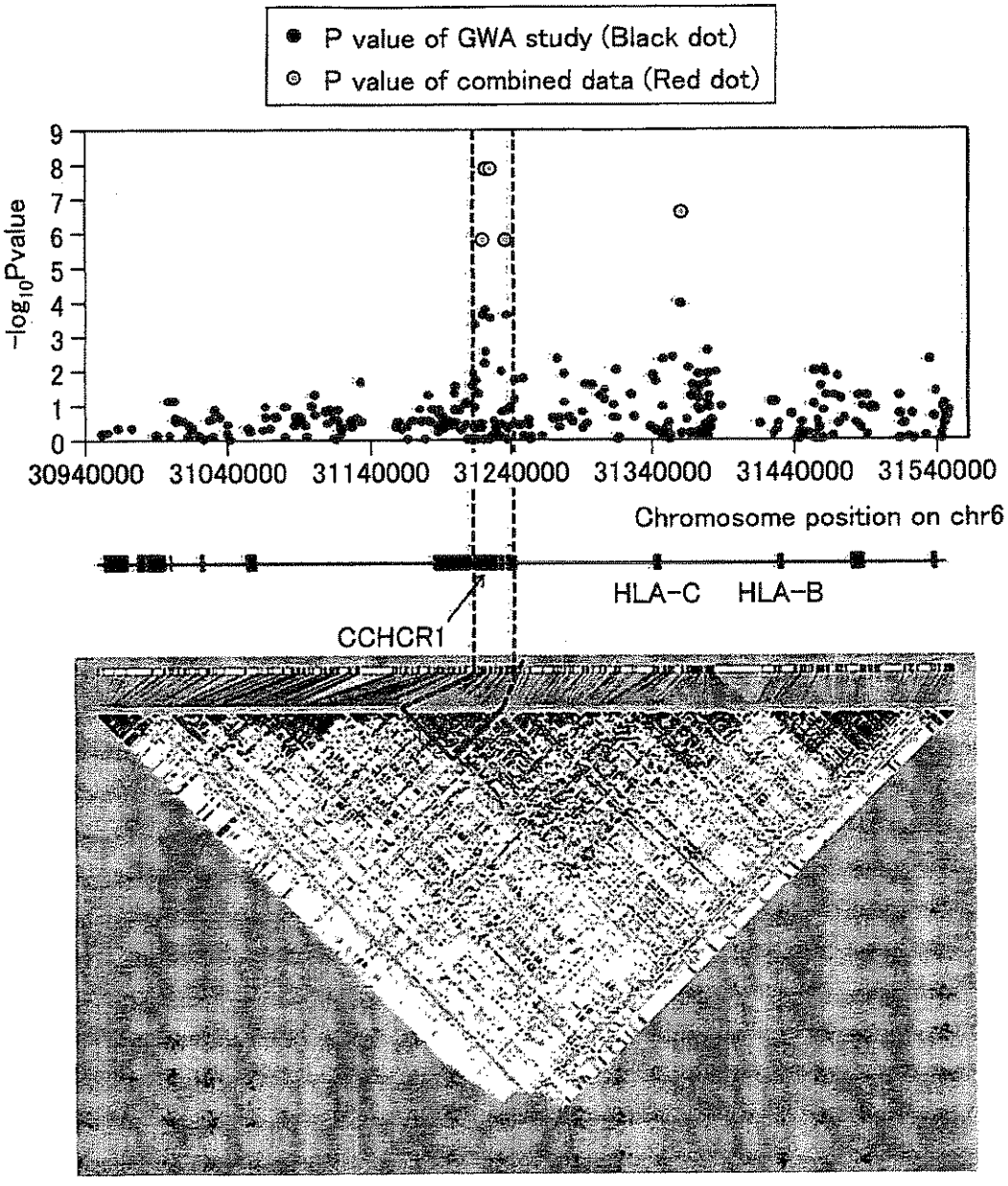

Red
P value=1.2x10^{-8}(Red)
$-\log_{10}$Pvalue
0
1
2
3
4
5
6
7
8
9
31210000
31220000
31230000
31240000
Chromosome position on chr6
PSORS1C1
CCHCR1
TCF19
POU5F1

FIG. 4


P value of GWA study (Black dot)
P value of combined data (Red dot)
$-\log_{10}$Pvalue
9
8
7
6
5
4
3
2
1
0
30940000
31040000
31140000
31240000
31340000
31440000
31540000
Chromosome position on chr6
HLA-C
HLA-B
CCHCR1