

Supplementary Table 1 Hardy-Weinberg test of 2 SNPs in healthy and spontaneously recovered subjects

| SNP | Genotype | ObsNum. | MAF | χ^2 | <i>P</i> |
|----------|----------|---------|-------|----------|----------|
| rs33635 | TT | 323 | 0.385 | 0.020 | 0.889 |
| | CT | 401 | | | |
| | CC | 127 | | | |
| rs974285 | TT | 711 | 0.079 | 184.355 | <0.001 |
| | CT | 61 | | | |
| | CC | 33 | | | |

Supplementary Table 2 Baseline clinical characteristics of viral response subjects

| characteristics | Chronic hepatitis B | | <i>P</i> | OR(95%CI) |
|-----------------------------------|---------------------|--------------------|--------------|---------------------------|
| | viral Response | viral Non-response | | |
| Age ($\bar{x} \pm s$) | 50.86 ± 11.03 | 52.25 ± 10.75 | 0.273 | |
| Gender(Male/Female) | 160/92 | 83/19 | 0.001 | 0.398(0.227,0.697) |
| Smokers(Yes/No) | 81/171 | 48/54 | 0.008 | 0.533(0.333,0.853) |
| Drinkers(Yes/No) | 105/147 | 55/47 | 0.036 | 0.610(0.384,0.970) |
| HbeAg(+/-) | 129/123 | 55/47 | 0.641 | 0.896(0.565,1.421) |
| HBV DNA (log pg/ml) , <i>M(Q)</i> | 7.67 (0.47) | 7.69 (0.44) | 0.345 | |
| ALT (IU/L) , <i>M(Q)</i> | 279.50 (188.00) | 317.50 (220.00) | 0.096 | |
| AST (IU/L) , <i>M(Q)</i> | 357.50 (272.00) | 326.00 (230.00) | 0.614 | |

Supplementary Table 3 Baseline clinical characteristics of biochemical response subjects

| characteristics | Chronic hepatitis B | | <i>P</i> | OR(95%CI) |
|-----------------------------------|----------------------|--------------------------|--------------|---------------------------|
| | Biochemical Response | Biochemical Non-response | | |
| Age ($\bar{x} \pm s$) | 52.36 ± 10.83 | 50.09 ± 10.98 | 0.051 | |
| Gender(Male/Female) | 111/72 | 132/39 | 0.001 | 0.455(0.286,0.725) |
| Smokers(Yes/No) | 54/129 | 75/96 | 0.005 | 0.536(0.346,0.831) |
| Drinkers(Yes/No) | 70/113 | 90/81 | 0.007 | 0.558(0.365,0.851) |
| HbeAg(+/-) | 78/105 | 80/91 | 0.431 | 0.845(0.556,1.286) |
| HBV DNA (log pg/ml) , <i>M(Q)</i> | 7.66 (0.55) | 7.69 (0.48) | 0.438 | |

| | | | |
|--------------------------|-----------------|-----------------|-------|
| ALT (IU/L) , <i>M(Q)</i> | 279.00 (174.00) | 306.00 (223.00) | 0.186 |
| AST (IU/L) , <i>M(Q)</i> | 331.00 (278.00) | 361.50 (239.00) | 0.796 |
