

| SNP ID | SNPs | Chr | Position | Locations | χ^2 value | mHag-associated allele | Concordance | | HapMap individuals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|--------------|-----------|------------------|-----------------------------|----------------|------------------------|------------------------|------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | mHag ⁺ pool | mHag ⁻ pool | 18524 | 18526 | 18529 | 18532 | 18537 | 18540 | 18542 | 18545 | 18547 | 18550 | 18552 | 18555 | 18558 | 18561 | 18562 | 18563 | 18564 | 18566 | 18570 | 18571 | 18572 | 18573 | 18577 | 18579 | 18582 | 18592 | 18593 | 18594 | 18603 | 18940 | 18942 | 18943 | 18944 | 18945 | 18947 | 18948 | 18949 | 18951 | 18952 | 18953 | 18956 | 18959 | 18960 | 18961 | 18964 | 18965 | 18966 | 18967 | 18968 | 18969 | 18970 | 18971 | 18972 | 18973 | 18974 | 18975 | 18978 | 18980 | | | | | | | | | | | | | | | | | | | | |
| rs3829687 | C / T | 19 | 1,004,299 | <i>ABCA7</i> , intron 22 | 30.1210 | T | 16 / 19 | 31 / 34 | CT | CT | TT | CT | CC | CC | CC | TT | NN | CT | CC | CT | CT | TT | NN | CT | CT | CT | CT | CT | CT | CC | CC | CT | CC | CT | CC | TT | CT | CC | GT | CC | TT | CC | CT | CT | CC | TT | TT | CC | NN | CC | CT | CC | CT | NN | CC | CT | CT | CT | CC | CC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| rs3752242 | A / G | 19 | 1,004,677 | <i>ABCA7</i> , intron 23 | 31.1473 | A | 18 / 21 | 32 / 36 | AG | AG | AA | AG | GG | GG | GG | AA | AG | AG | GG | AG | AG | AA | NN | AG | GG | AG | AG | AG | GG | GG | AG | GG | AG | GG | AG | GG | AA | GG | AG | GG | AA | GG | AG | AG | GG | AA | AA | GG | GG | GG | AG | GG | AG | AG | GG | AG | AG | GG | GG | GG | GG | | | | | | | | | | | | | | | | | | | | | | | | | |
| rs3752243 | A / G | 19 | 1,005,060 | <i>ABCA7</i> , exon 25 | 34.1305 | G | 18 / 21 | 33 / 36 | AG | AG | GG | AG | AA | AA | AA | GG | AG | AG | AA | AG | AG | GG | NN | AG | AG | AG | AG | AA | GG | GG | AA | AA | AG | AG | AG | AG | AG | AA | AA | AG | AA | GG | AG | AA | AG | AA | GG | AA | AG | AG | AA | GG | GG | AA | AA | AA | AG | AA | AG | AG | AA | AG | AG | AA | AA | | | | | | | | | | | | | | | | | | | | | |
| rs881768 | A / G | 19 | 1,007,065 | <i>ABCA7</i> , exon 31 | 31.9248 | G | 18 / 21 | 33 / 37 | AG | AG | GG | AG | AA | AA | AA | GG | AG | AG | AA | AG | AG | GG | GG | AG | AA | AG | AG | AA | GG | GG | AA | AA | AG | AG | AG | AG | AG | AA | AA | AG | AA | AG | AA | AG | AA | GG | AA | AG | AG | AA | GG | GG | AA | AA | AA | AG | AA | AG | AG | AA | AG | AG | AA | AA | AA | | | | | | | | | | | | | | | | | | | | | |
| rs2279796 | A / G | 19 | 1,010,004 | <i>ABCA7</i> , intron 38 | 34.9318 | G | 18 / 21 | 34 / 37 | AG | AG | GG | AG | AA | AA | AA | GG | AG | AG | AA | AG | AG | GG | GG | AG | AG | AG | AG | AA | GG | GG | AA | AA | AG | AG | AG | AG | AG | AA | AA | AG | AA | GG | AG | AA | AG | AA | GG | AA | AG | AG | AA | GG | GG | AA | AA | AA | AG | AA | AG | AG | AA | AG | AG | AA | AA | AA | | | | | | | | | | | | | | | | | | | | |
| rs2242436 | C / T | 19 | 1,016,945 | Near <i>ABCA7</i> 3' end | 35.5298 | T | 19 / 21 | 33 / 37 | CT | CT | TT | CT | CC | CC | CC | GT | CT | CT | CC | CT | CT | TT | TT | CT | CC | CT | CT | CC | TT | TT | CC | CC | CT | CT | CT | CT | CT | CC | CC | CT | CC | CT | CT | CC | CC | TT | CC | CT | CT | CC | TT | CT | CC | CC | CC | CT | CC | CT | CT | CC | CT | CT | CC | CC | | | | | | | | | | | | | | | | | | | | | | |
| rs1801284 | A / G | 19 | 1,019,738 | <i>HMHA1</i>, exon 2 | NA | A | NA | NA | AG | AA | AA | AG | AG | GG | GG | GG | AG | AG | AG | AG | AG | AA | AA | AG | AG | AG | AG | GG | AA | AA | GG | GG | AG | AG | AG | AA | AG | GG | GG | AG | GG | GG | AG | GG | GG | AG | GG | GG | GG | AA | GG | AG | AG | AG | AA | AG | GG | GG | GG | AG | GG | AG | AG | GG | AA | AG | AG | GG | GG | | | | | | | | | | | | | | | | | |
| rs10421359 | G / T | 19 | 1,021,991 | <i>HMHA1</i> , intron 2 | 52.8185 | G | 20 / 21 | 36 / 36 | GT | GG | GG | GT | GT | TT | TT | TT | GT | GT | GT | GT | GT | GG | GG | GT | GG | GT | GT | TT | GG | GG | TT | TT | NN | GT | GT | GG | GT | TT | TT | GT | TT | TT | GT | TT | TT | GG | TT | GT | GT | GT | GG | GT | GT | TT | TT | GT | TT | GT | GT | TT | GG | GT | GT | TT | TT | | | | | | | | | | | | | | | | | | | | | |
| rs2269848 | C / T | 19 | 1,027,063 | <i>HMHA1</i> , intron 10 | 33.8236 | C | 20 / 21 | 31 / 37 | CT | CC | CT | CT | CT | TT | TT | TT | TT | CT | CT | CT | CT | TT | CC | CT | CT | CT | CT | CT | TT | CC | CT | TT | TT | CT | TT | CT | CC | CT | TT | TT | CT | TT | TT | CT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | TT | | | | | | | | | | | | | | | |
| Lysis by CTL-4B1 | | | | | | | | | + | + | + | + | + | - | - | - | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | - | - | + | + | + | + | + | - | - | + | - | - | - | + | - | + | + | + | + | + | - | - | - | + | - | + | + | - | + | + | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

† Individual B-LCLs not lysed by CTL-4B1 were highlighted in sky blue; Genotypes which were discordant with the lysis by CTL due to recombination or mutation were hatched.

¶ SNP controlling expression of 4B1-CTL