Table 4. Sequence variations identified in the 31 exons of the *Abcc6* gene in strains C3H and DBA compared to B6 (GenBank accession nos. EF109740 and EF 109741)

SNP position (bp)	Exon	Nucleotide change (B/D/H)	Amino acid (position: B/D/H)
47	1	C/T/T	14:C/C/C
88	**2**	**C/T/T**	**28:A/V/V**
116	2	T/C/C	37:F/F/F
288	**3**	**G/A/A**	**95:V/M/M**
385	4	T/T/A	127:L/Q/L
417	**4**	**T/G/G**	**138:S/A/A**
456	**4**	**A/G/G**	**151:I/V/V**
696	7	A/A/G	231:R/G/R
1034	9	G/A/A	343:S/S/S
1184	10	C/T/T	393:V/V/V
1250	10	C/T/T	415:I/I/I
1289	10	G/A/A	428:G/G/G
1298	10	C/T/C	431:L/L/L
1588	12	T/T/C	528:L/L/P
1719	13	G/G/T	572:V/V/L
1866	**14**	**C/T/T**	**621:R/C/C**
2081	17	T/C/C	692:A/A/A
2122	**17**	**T/C/C**	**706:V/A/A**
2180	17	T/C/C	725:D/D/D
2297	18	T/C/C	764:A/A/A
2305	**18**	**A/G/G**	**767:K/R/R**
2521	19	T/T/C	839:L/L/P
2785	**22**	**C/T/T**	**927:T/I/I**
3077	23	T/A/A	1024:A/A/A
3178	23	T/A/T	1058:L/Q/L
3197	23	T/C/C	1064:Y/Y/Y
3218	23	C/T/T	1071:V/V/V
4107	**29**	**G/A/A**	**1368:A/T/T**
4114	29	T/T/C	1370:L/L/P
4355	30	T/C/C	1450:L/L/L
4357	30	T/C/T	1451:I/T/I
4388	30	T/C/C	1461:C/C/C
4433	31	C/T/C	1476:G/G/G
4505	**3'-UTR**	**A/G/G**	—
4515	**3'-UTR**	**A/T/T**	—
4925-4934	**3'-UTR**	**10-bp deletion in D and H**	—

Sequencing data from DBA and C3H strains were compared with public sequence from Ensembl (http://www.ensembl.org), and National Center for Biotechnology Information (NCBI) (http://www.ncbi.nlm.nih.gov). SNPs resulting in amino acid changes or variations in 3'-UTR in both the DBA and C3H strains are in bold letters. B, B6; D, DBA; H, C3H.