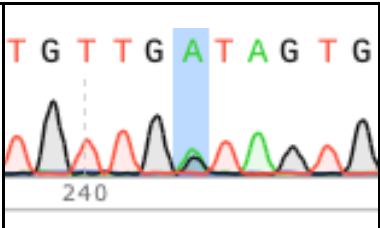
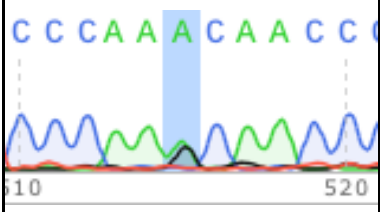
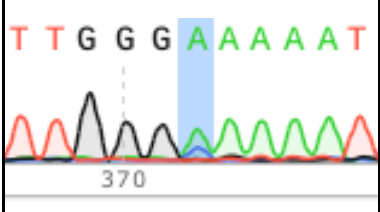
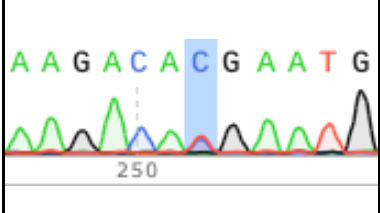
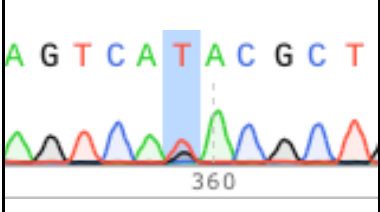
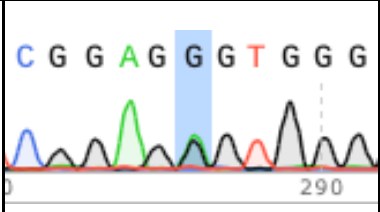
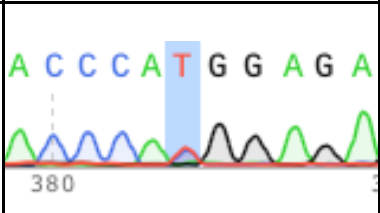
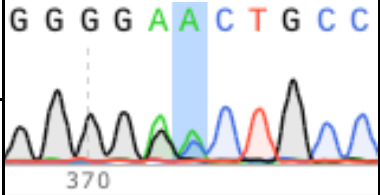
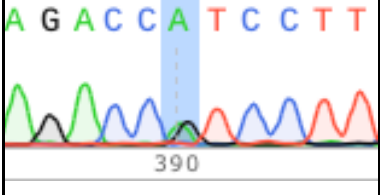
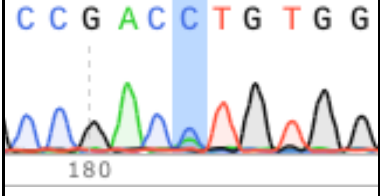
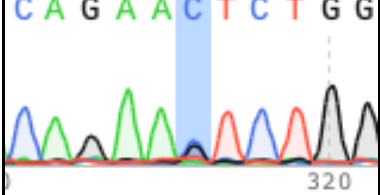
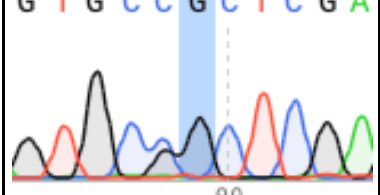
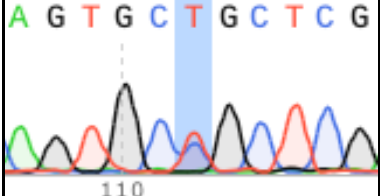


Supplemental Table 7 | Verified genomic variants on genes harboring ASM sites

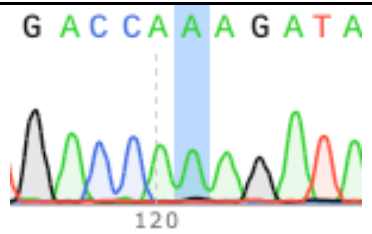
Gene	Transcript id	Transcript SNP site	Chr	B6 allele	CAST allele	Direction	genomic snp site	Sanger seq picks
<i>2810004N23Rik</i>	ENSMUST00000034465.8	1425	chr8	G	A	-	124839403	
<i>2810004N23Rik</i>	ENSMUST00000034465.8	1464	chr8	A	G	-	124839364	
<i>2810004N23Rik</i>	ENSMUST00000034465.8	877	chr8	G	A	-	124839951	
<i>Atp5o</i>	ENSMUST00000023677.9	162	chr16	T	C	-	91931526	
<i>Atp5o</i>	ENSMUST00000023677.9	552	chr16	A	G	-	91926480	
<i>Atp5o</i>	ENSMUST00000023677.9	776	chr16	A	G	-	91925276	
<i>Ccnb1</i>	ENSMUST00000072119.14	1840	chr13	T	G	-	100779299	

<i>Ccnb1</i>	ENSMUST00000072119.14	1968	chr13	T	C	-	100779171	
<i>Dgcr2</i>	ENSMUST00000012152.12	2647	chr16	T	C	-	17841753	
<i>Dgcr2</i>	ENSMUST00000012152.12	2790	chr16	T	G	-	17841610	
<i>Dgcr2</i>	ENSMUST00000012152.12	2910	chr16	G	A	-	17841490	
<i>Dnpep</i>	ENSMUST00000066668.13	1285	chr1	C	A	-	75312484	
<i>GlmP</i>	ENSMUST00000177005.7	1319	chr3	G	A	+	88328414	
<i>GlmP</i>	ENSMUST00000177005.7	1417	chr3	C	T	+	88328512	

<i>Gnpat</i>	ENSMUST00000034466.9	2339	chr8	T	C	+	124889413	
<i>Gnpat</i>	ENSMUST00000034466.9	2462	chr8	G	C	+	124889536	
<i>Kif11</i>	ENSMUST00000012587.3	3502	chr19	G	A	+	37420543	
<i>Kif11</i>	ENSMUST00000012587.3	3519	chr19	A	G	+	37420560	
<i>Kif11</i>	ENSMUST00000012587.3	3739	chr19	A	G	+	37420780	
<i>Kif11</i>	ENSMUST00000012587.3	3743	chr19	C	G	+	37420784	
<i>Kif11</i>	ENSMUST00000012587.3	3853	chr19	C	T	+	37420894	

<i>L3mbtl2</i>	ENSMUST00000023029.14	2742	chr15	A	G	+	81687571	
<i>L3mbtl2</i>	ENSMUST00000023029.14	2743	chr15	A	C	+	81687572	
<i>L3mbtl2</i>	ENSMUST00000023029.14	2760	chr15	A	G	+	81687589	
<i>Nudt1</i>	ENSMUST00000050205.11	457	chr5	C	A	+	140337641	
<i>Nudt1</i>	ENSMUST00000050205.11	590	chr5	G	C	+	140337774	
<i>Psrc1</i>	ENSMUST00000102629.7	977	chr3	G	C	+	108387319	
<i>Psrc1</i>	ENSMUST00000102629.7	1001	chr3	C	T	+	108387343	

<i>Rsl1d1</i>	ENSMUST00000119953.1	1004	chr16	A	G	-	11194633	270
<i>Rsl1d1</i>	ENSMUST00000119953.1	1045	chr16	A	C	-	11194592	230
<i>Rsl1d1</i>	ENSMUST00000119953.1	1087	chr16	G	A	-	11194550	190
<i>Rsl1d1</i>	ENSMUST00000119953.1	1114	chr16	A	G	-	11194523	160
<i>Tmbim6</i>	ENSMUST00000023749.14	1979	chr15	A	G	+	99409577	160
<i>Tmbim6</i>	ENSMUST00000023749.14	2024	chr15	T	C	+	99409622	210
<i>Trim25</i>	ENSMUST00000107896.9	5007	chr11	T	G	+	89019711	90

<i>Trim25</i>	ENSMUST00000107896.9	5041	chr11	G	A	+	89019745	
<i>Uhrf1</i>	ENSMUST00000001258.14	2233	chr17	T	C	+	56320426	