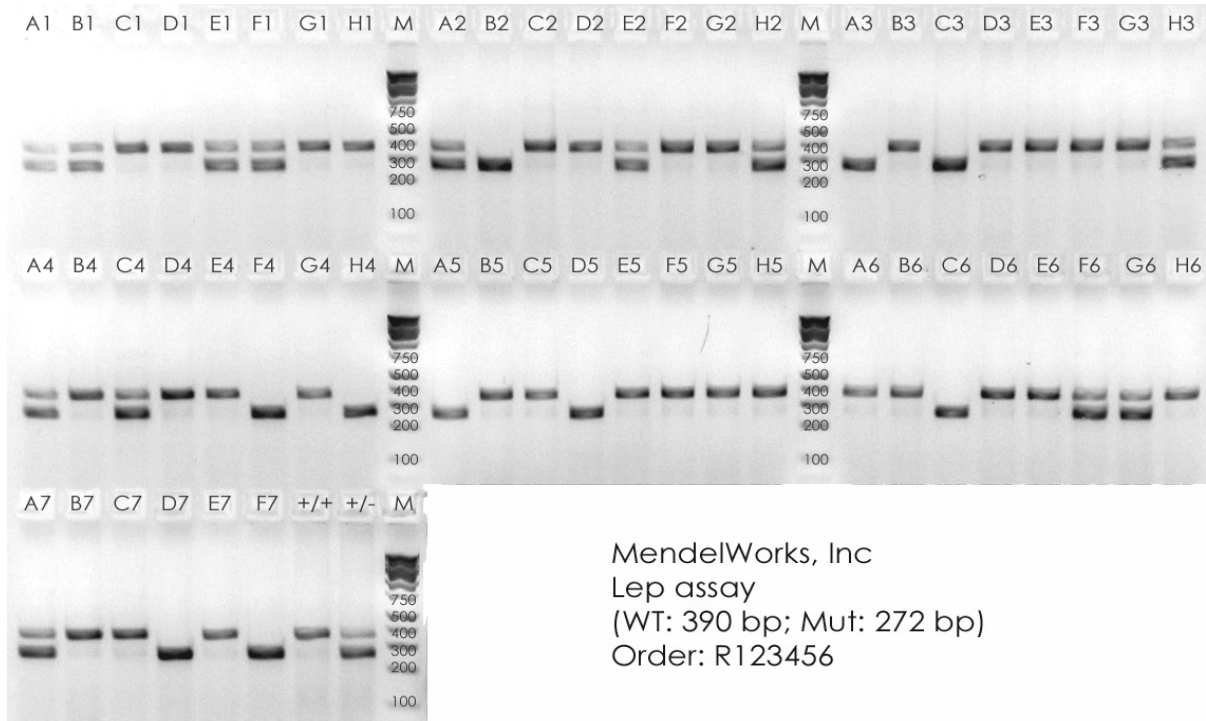


Genotyping Report



Project/Batch: Dr. Smith's Lab - Plate 1				R123456	Assays			Results	DNA	
IDG	Well	Name/ID	Sex	Strain ID	Lep (WT)	Lep (Mut)	Cre	Genotype	ng/μL	A ₂₆₀ /A ₂₈₀
1	A01	LK2301	N/A		+	+	N/A	Lep/+	170.8	1.84
2	B01	LK2302	N/A		+	+	N/A	Lep/+	172.7	1.82
3	C01	LK2303	N/A		+	-	N/A	+/+	126.9	1.86
4	D01	LK2304	N/A		+	-	N/A	+/+	162.9	1.81
5	E01	LK2305	N/A		+	+	N/A	Lep/+	160.5	1.85
6	F01	LK2306	N/A		+	+	N/A	Lep/+	169.2	1.81
7	G01	LK2307	N/A		+	-	N/A	+/+	138.6	1.82
8	H01	LK2308	N/A		+	-	N/A	+/+	128.3	1.76
9	A02	LK2309	N/A		+	+	N/A	Lep/+	126.3	1.82
10	B02	LKCond1331	N/A		-	+	+	Lep/Lep; Tg	162.2	1.84
11	C02	LKCond1332	N/A		+	-	-	+/+; Non-Tg	104.0	1.85
12	D02	LKCond1333	N/A		+	-	+	+/+; Tg	138.5	1.76
13	E02	LKCond1334	N/A		+	+	-	Lep/+; Non-Tg	127.0	1.85
14	F02	LKCond1335	N/A		+	-	+	+/+; Tg	140.9	1.81
15	G02	LKCond1336	N/A		+	-	-	+/+; Non-Tg	155.5	1.84
16	H02	LKCond1337	N/A		+	+	+	Lep/+; Tg	156.2	1.53
17	A03	LKCond1380	N/A		-	+	-	Lep/Lep; Non-Tg	133.0	1.94
18	B03	LKCond1381	N/A		+	-	-	+/+; Non-Tg	113.9	1.85
19	C03	LKCond1382	N/A		-	+	-	Lep/Lep; Non-Tg	129.3	1.81
20	D03	LKCond1383	N/A		+	-	-	+/+; Non-Tg	134.4	1.82
21	E03	LKCond1384	N/A		+	-	-	+/+; Non-Tg	140.7	1.85
22	F03	LKCond1385	N/A		+	-	+	+/+; Tg	113.3	1.83
23	G03	LKCond1401	N/A		+	-	-	+/+; Non-Tg	127.4	1.78
24	H03	LKCond1402	N/A		+	+	+	Lep/+; Tg	133.5	1.79
25	A04	LKCond1403	N/A		+	+	-	Lep/+; Non-Tg	170.8	1.84
26	B04	LKCond1404	N/A		+	-	+	+/+; Tg	172.7	1.82
27	C04	LKCond1405	N/A		+	+	-	Lep/+; Non-Tg	126.9	1.86
28	D04	LKCond1406	N/A		+	-	-	+/+; Non-Tg	162.9	1.81
29	E04	LKCond1551	N/A		+	-	+	+/+; Tg	160.5	1.85
30	F04	LKCond1552	N/A		-	+	+	Lep/Lep; Tg	169.2	1.81
31	G04	LKCond1553	N/A		+	-	-	+/+; Non-Tg	138.6	1.82
32	H04	LKCond1554	N/A		-	+	-	Lep/Lep; Non-Tg	128.3	1.76
33	A05	LKCond1555	N/A		-	+	-	Lep/Lep; Non-Tg	126.3	1.82
34	B05	LKCond1556	N/A		+	-	+	+/+; Tg	162.2	1.84
35	C05	LKCond1557	N/A		+	-	-	+/+; Non-Tg	104.0	1.85
36	D05	LKCond1623	N/A		-	+	-	Lep/Lep; Non-Tg	138.5	1.76
37	E05	LKCond1624	N/A		+	-	-	+/+; Non-Tg	127.0	1.85
38	F05	LKCond1625	N/A		+	-	+	+/+; Tg	140.9	1.81
39	G05	LKCond1626	N/A		+	-	-	+/+; Non-Tg	155.5	1.84
40	H05	LKCond1627	N/A		+	-	-	+/+; Non-Tg	156.2	1.53
41	A06	LKCond1628	N/A		+	-	+	+/+; Tg	133.0	1.94
42	B06	LKCond1629	N/A		+	-	+	+/+; Tg	113.9	1.85
43	C06	LKCond1733	N/A		-	+	+	Lep/Lep; Tg	129.3	1.81
44	D06	LK2422	N/A		+	-	N/A	+/+	134.4	1.82
45	E06	LK2423	N/A		+	-	N/A	+/+	140.7	1.85
46	F06	LK2424	N/A		+	+	N/A	Lep/+	113.3	1.83
47	G06	LK2425	N/A		+	+	N/A	Lep/+	127.4	1.78
48	H06	LK2426	N/A		+	-	N/A	+/+	133.5	1.79
49	A07	LK2427	N/A		+	+	N/A	Lep/+	170.8	1.84
50	B07	LK2445	N/A		+	-	N/A	+/+	172.7	1.82
51	C07	LK2446	N/A		+	+	N/A	+/+	126.9	1.86
52	D07	LK2447	N/A		-	+	N/A	Lep/Lep	162.9	1.81
53	E07	LK2448	N/A		+	-	N/A	+/+	160.5	1.85
54	F07	LK2449	N/A		-	+	N/A	Lep/Lep	169.2	1.81

Gel Image of Lep genotyping reactions



MendelWorks, Inc
Lep assay
(WT: 390 bp; Mut: 272 bp)
Order: R123456

qPCR data of Cre genotyping reactions

Well	Signal	Results
B02	21.7	+
C02	33.2	-
D02	21.6	+
E02	Undetermined	-
F02	21.5	+
G02	Undetermined	-
H02	22.0	+
A03	Undetermined	-
B03	Undetermined	-
C03	Undetermined	-
D03	Undetermined	-
E03	Undetermined	-
F03	22.0	+
G03	Undetermined	-
H03	22.7	+
A04	Undetermined	-
B04	21.8	+
C04	Undetermined	-
D04	Undetermined	-
E04	22.1	+
F04	21.2	+
G04	Undetermined	-
H04	39.1	-
A05	Undetermined	-
B05	21.1	+
C05	Undetermined	-
D05	Undetermined	-
E05	Undetermined	-
F05	26.2	+
G05	Undetermined	-
H05	Undetermined	-
A06	23.9	+
B06	24.1	+
C06	23.7	+
Positive	21.2	+
Negative	Undetermined	-

Signal threshold: 0.117

qPCR data of Internal Control gene genotyping reactions

Well	Signal	Results
B02	28.1	+
C02	27.9	+
D02	27.8	+
E02	27.2	+
F02	27.9	+
G02	28.1	+
H02	28.0	+
A03	28.4	+
B03	28.1	+
C03	27.9	+
D03	28.1	+
E03	28.1	+
F03	28.2	+
G03	28.4	+
H03	28.9	+
A04	29.3	+
B04	28.1	+
C04	28.0	+
D04	27.4	+
E04	28.3	+
F04	27.4	+
G04	27.2	+
H04	26.4	+
A05	27.6	+
B05	27.5	+
C05	27.0	+
D05	26.6	+
E05	28.4	+
F05	28.5	+
G05	26.3	+
H05	28.6	+
A06	26.2	+
B06	26.3	+
C06	27.1	+
Positive	26.4	+
Negative	27.4	+

Signal threshold: 0.117