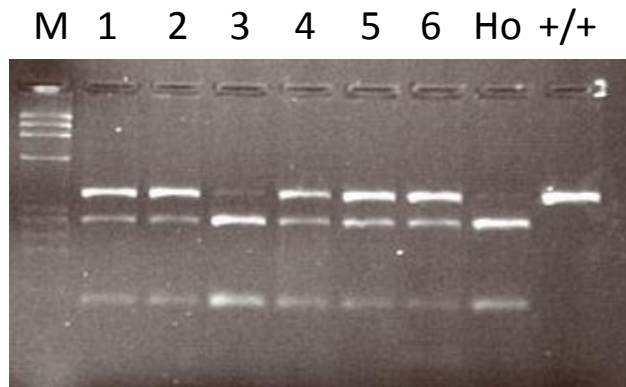


| | |
|-------------|-------------------------------|
| Gene symbol | <i>Scn1a</i> ^{m1Kyo} |
|-------------|-------------------------------|

| primer | Sequence(5'-3') | Size | target gene | accession |
|------------------------------|---|-------|-------------|-------------|
| SCN1A-ex22-F SCN1A-ex22-R | TGACTTTTCTTTCTCTCCGTTTG TGGCTGCAATAATCACTTTGTT | 380bp | Scn1a | NM_030875.1 |
| comment | Scn1a遺伝子にミスセンス変異(N1417H)を持つ系統 | | | |

| PCR condition | | | | | | | |
|----------------|-----|--|----------|--------|-----------|-------|-----------------|
| Taq polymerase | | Nova Taq Hot start DNA polymerase | | | | | |
| Thermal cycler | | PC-808(ASTEC) | | | | | |
| PCR buffer | | Ampdirect Plus | | | | | |
| | | first denature | denature | anneal | extension | cycle | final extension |
| PCR | °C | 94 | 94 | 60 | 72 | 35 | 72 |
| | min | 3 | 0.5 | 0.5 | 1 | | 3 |
| comment | | FTAカードに採取した血液を未精製のままテンプレートとして用いる。 PCR productを制限酵素 <i>Bcl</i> Iで処理(37°C、2時間)。 | | | | | |

Electrocataphoresis ;4% agarose gel 300V, 30min



| | |
|---------------------------|-------------------------------------|
| Strain harboring mutation | F344- <i>Scn1a</i> ^{m1Kyo} |
|---------------------------|-------------------------------------|