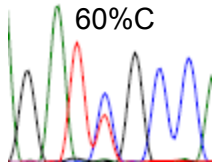


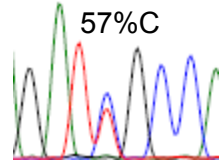
### RT-PCR dataset:

Allele-specific RT-PCR results for *Aldoc*, *Chi3l1* (*Chil1*), *Cpxm1*, *Itga7*, *Osmr*, and *Tm4sf1*. RNA was purified by use of Trizol (Invitrogen) from cell lines 2A1, 2A5, 3A1 and 4A5 at day 0 and days 3 or 4 following *in vitro* differentiation to astrocytes. For each gene, two pages of SNP tracings following automated sequencing are shown. Controls include 1) RT-PCR of brain tissue of B6 X JF1 hybrid mice, both reciprocal crosses, (top of first page), and 2) PCR of DNA from each sample (second page). DNA was purified by use of the Wizard Genomic DNA Purification Kit (Promega). The primers used for RT-PCR and PCR were selected to include at least one B6/JF1 SNP, and are numbered as shown; see accompanying Supplemental Table S6 for each primer sequence. For each RT-PCR sample, the % expression of the predominant allele is shown; where available, the results of cDNA-seq are shown for comparison.

# Aldoc 453/454



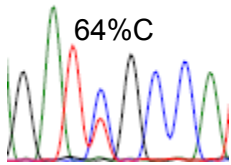
B6MxB6P



JF1MxB6P

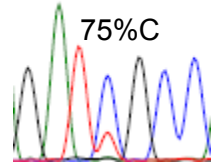
C=B6 T=JF1

FPKM:84.5  
pB6 :0.67



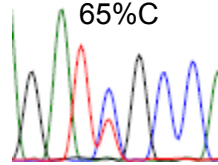
2A1-0

FPKM:74.9  
pB6:0.82



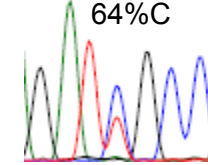
2A5-0

FPKM:176.5  
pB6:0.71



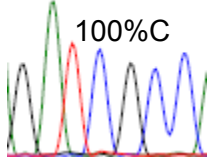
3A1-0

FPKM:67.3  
pB6:0.71



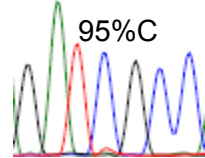
4A5-0

FPKM:183.5  
pB6:0.96



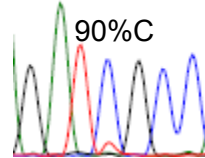
2A1-4

FPKM:329.3  
pB6:0.94



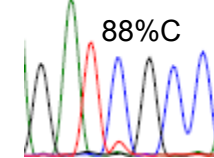
2A5-4

FPKM:363.4  
pB6:0.90



3A1-4

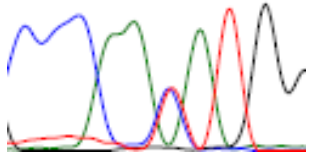
FPKM:215.5  
pB6:0.90



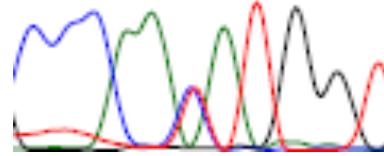
4A5-3

Aldoc **465**/466

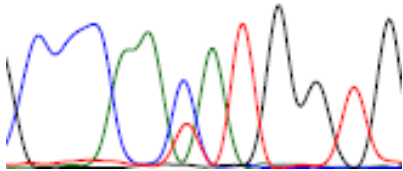
DNA



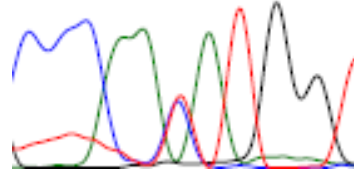
B6MxJF1P



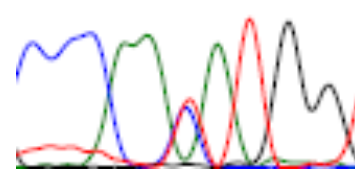
JF1MxB6P



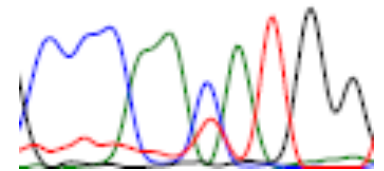
2A1-0



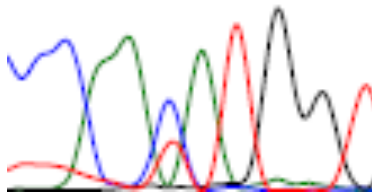
2A5-0



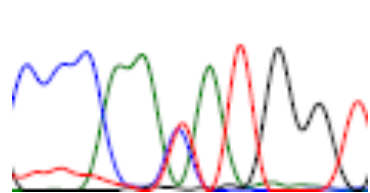
3A1-0



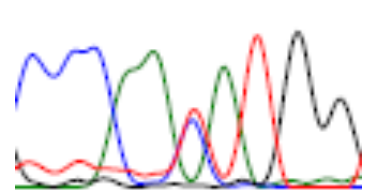
4A5-0



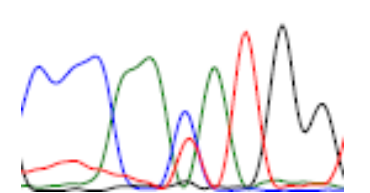
2A1-4



2A5-4



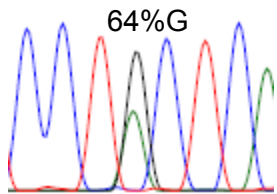
3A1-4



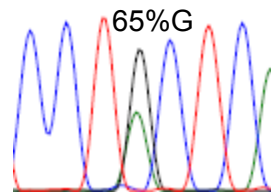
4A5-3

# Chi311 455/456

G=B6 A=JF1

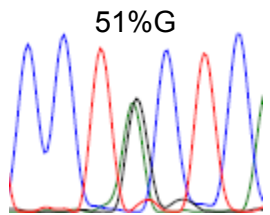


B6MxJF1P



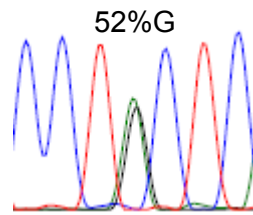
JF1MxB6P

NA



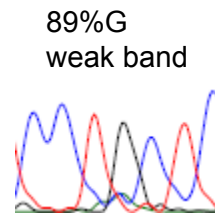
2A1-0

NA



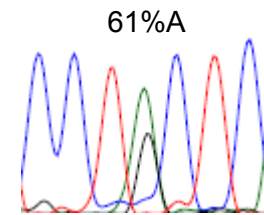
2A5-0

NA



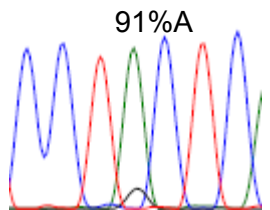
3A1-0

NA



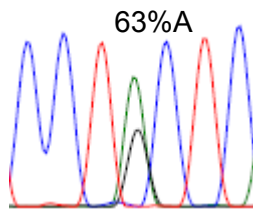
4A5-0

FPKM:111.5  
pB6:0.08



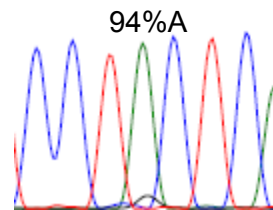
2A1-4

FPKM 3.3  
pB6:0.43



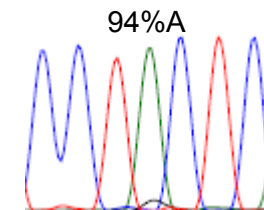
2A5-4

FPKM:54.5  
pB6:0.07



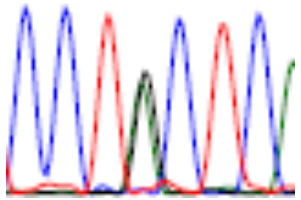
3A1-4

FPKM:97.9  
pB6:0.05

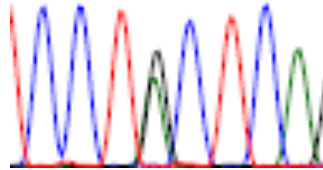


4A5-3

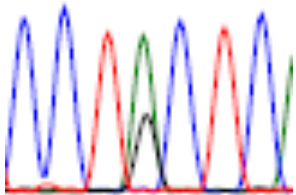
Chi3I1 **467/468**  
DNA



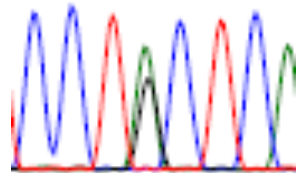
B6MxJF1P



JF1MxB6P



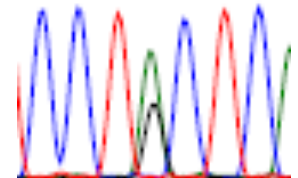
2A1-0



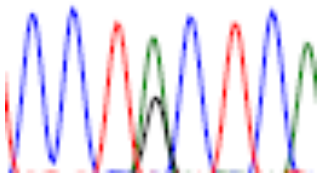
2A5-0

No band

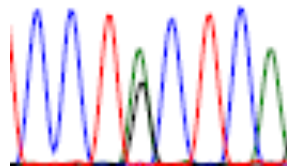
3A1-0



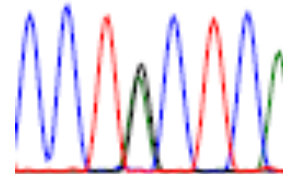
4A5-0



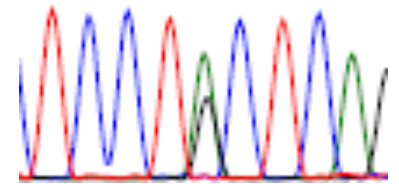
2a1-4



2A5-4



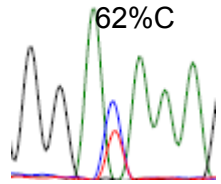
3A1-4



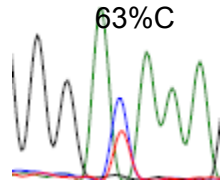
4A5-3

# Cpxm1 457/458

T=B6 C=JF1

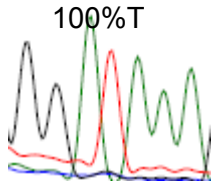


B6MxB6P



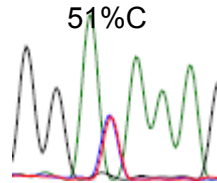
JF1MxB6P

FPKM:7.3  
pB6:0.96



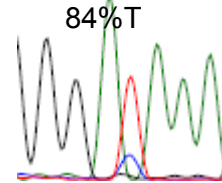
2A1-0

FPKM:11.7  
pB6:0.53



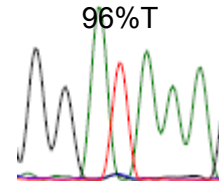
2A5-0

FPKM:8.2  
pB6:0.90



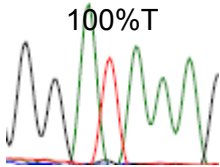
3A1-0

FPKM:5.9  
pB6:0.94



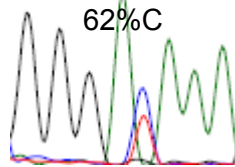
4A5-0

FPKM:35.6  
pB6:1.0



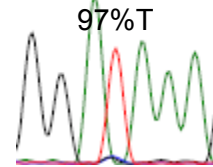
2A1-4

FPKM:12.7  
pB6:0.50



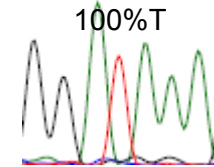
2A5-4

FPKM:25.6  
pB6:0.96



3A1-4

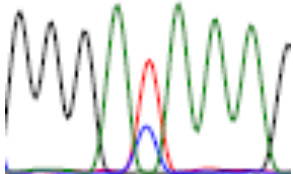
FPKM:51.8  
pB6:0.99



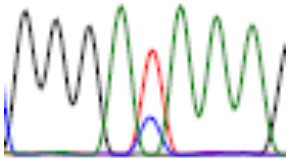
4A5-3

Cpxm1 469/470

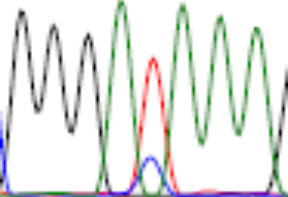
DNA



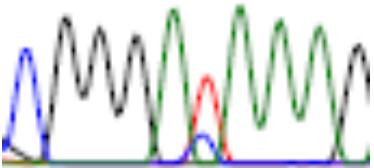
B6MxJF1P



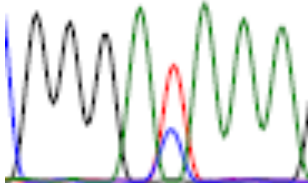
JF1MxB6P



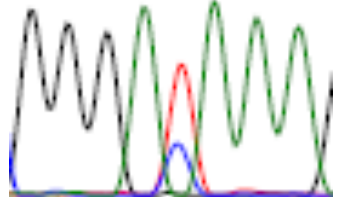
2A1-0



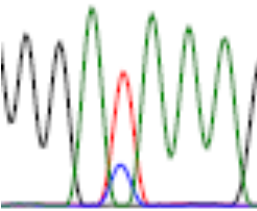
2A5-0



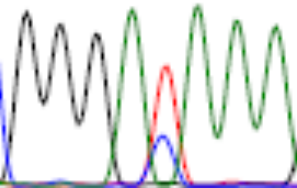
3A1-0



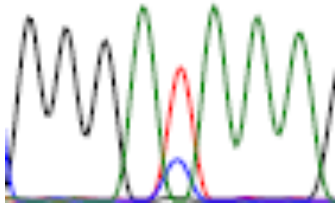
4A5-0



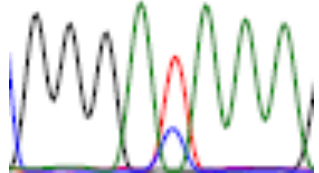
2A1-4



2A5-4



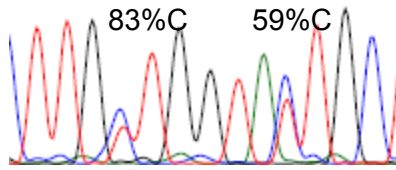
3A1-4



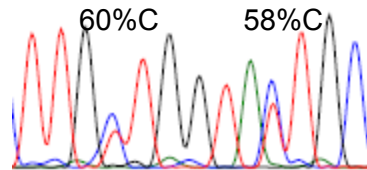
4A5-3

# Itga7 459/460

C=B6 T=JF1



B6MxJF1P



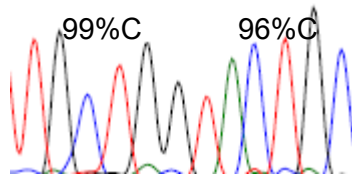
JF1MxB6P

NA

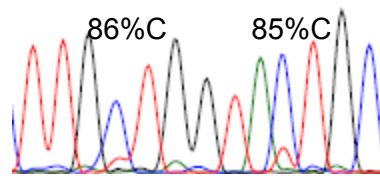
FPKM:3.0 pB6:0.73

NA

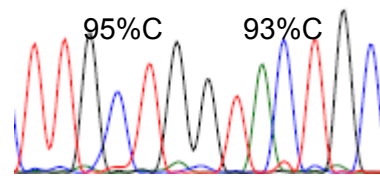
NA



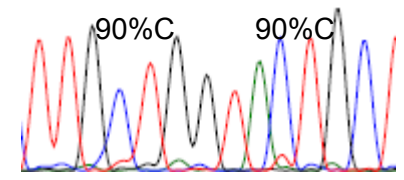
2A1-0



2A5-0



3A1-0



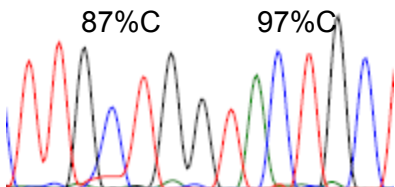
4A5-0

FPKM:34.3 pB6:0.94

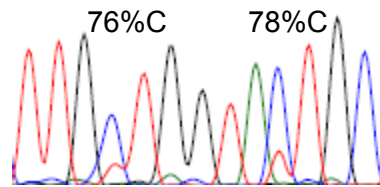
FPKM:17.0 pB6:0.76

FPKM:59.8 pB6:0.94

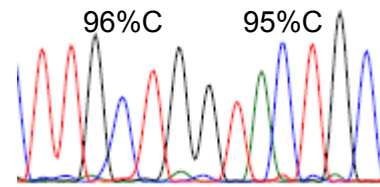
FPKM:31.2 p pB6:0.96



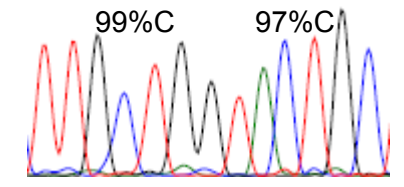
2A1-4



2A5-4



3A1-4

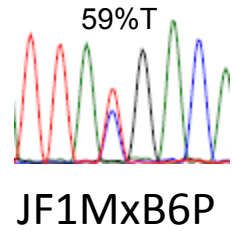
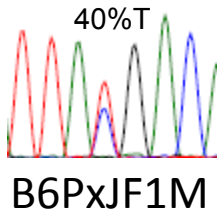


4A5-3

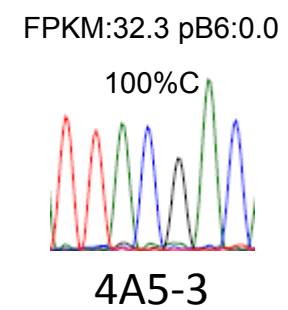
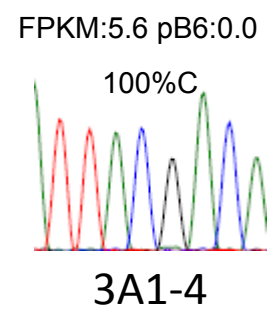
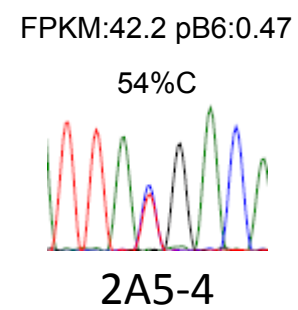
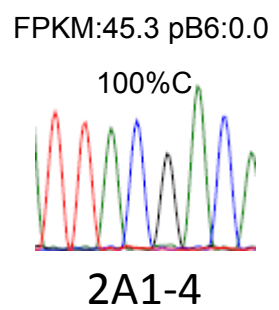
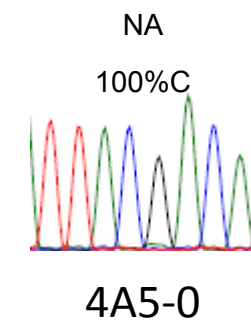
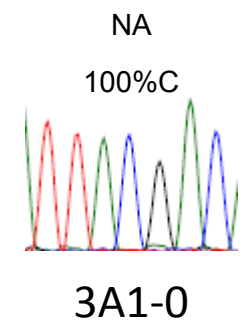
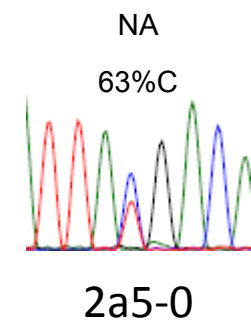
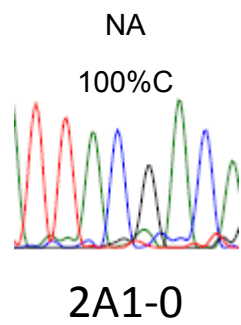




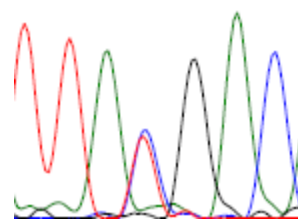
# Osmr 461/462



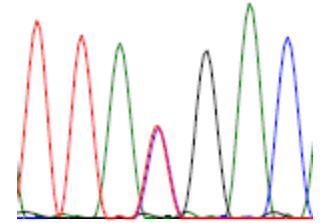
T=B6 C=JF1



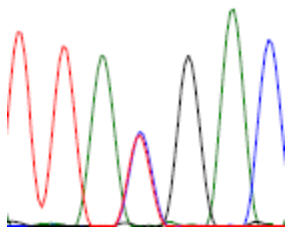
# Osmr (524/525) DNA



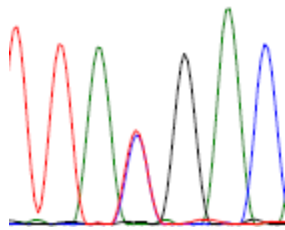
B6M/JF1P



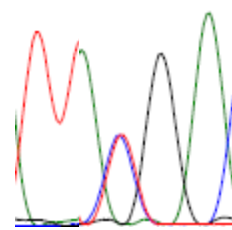
JF1M/B6P



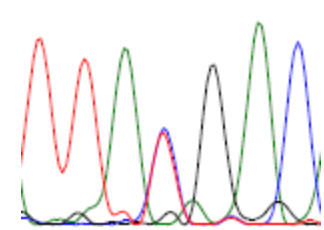
2A1-0



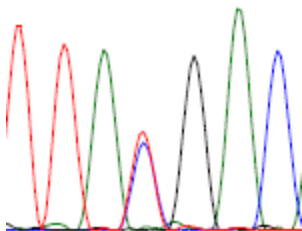
2A5-0



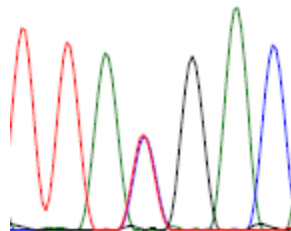
3A1-0



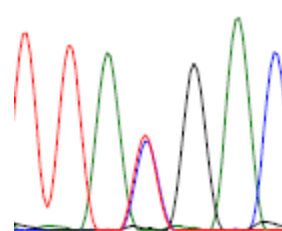
4A5-0



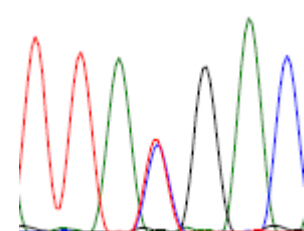
2A1-4



2A5-4



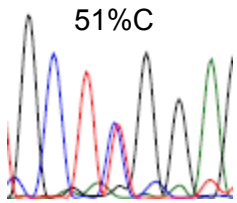
3A1-4



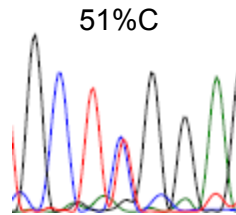
4A5-3

# Tm4sf1 463/464

T = B6 C = JF1

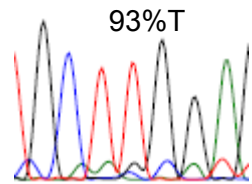


B6MxJF1P



JF1MxB6P

FPKM:3.4 pB6:0.98

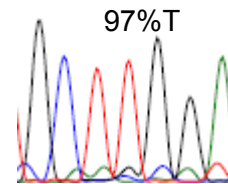


2A1-0

Bad seq

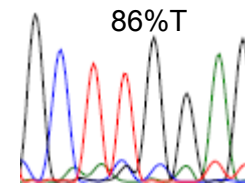
2A5-0

NA



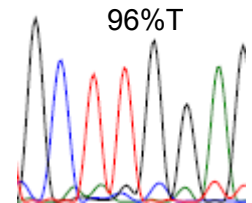
3A1-0

NA



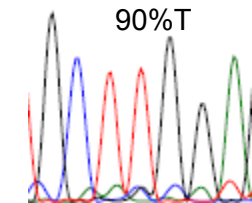
4A5-0

FPKM:53.6 pB6:0.96



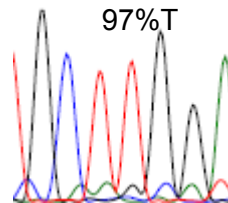
2A1-4

FPKM:74.9 pB6:0.88



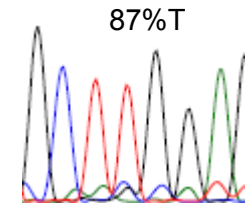
2A5-4

FPKM:8.7 pB6:0.97



3A1-4

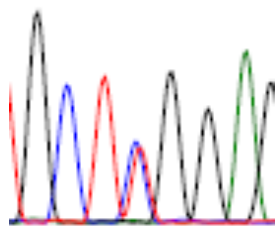
FPKM:32.6 pB6:0.89



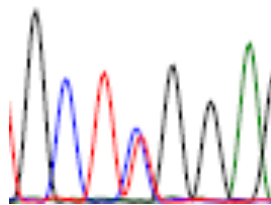
4A5-3

Tm4sf1 475/476

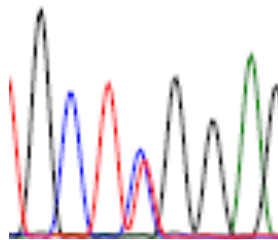
DNA



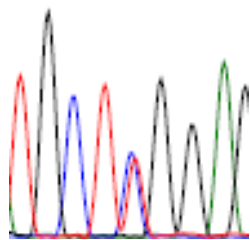
B6MxB6P



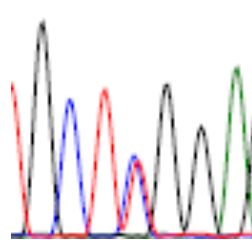
JF1MxB6P



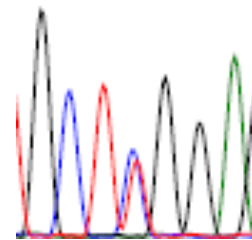
2A1-0



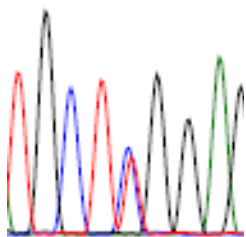
2A5-0



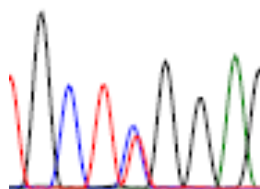
3A1-0



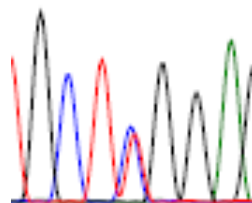
4A5-0



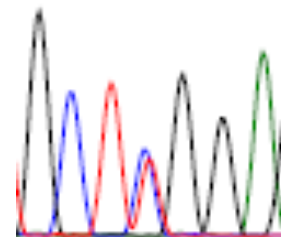
2A1-4



2A5-4



3A1-4



4A5-3