

C57BL/6J

Stock No: 000664

Protocol 18706: End Point Analysis Assay - H2rs253049200-Alt 1-EP

Version 2.0

Notes

The genotyping protocol(s) presented here have been optimized for reagents and conditions used by The Jackson Laboratory (JAX). To genotype animals, JAX recommends researchers validate the assay independently upon receipt of animals into their facility. Reaction cycling temperature and times may require additional optimization based on the specific genotyping reagents used.

Expected Results

Sequence

```

AAGCAGACACAGGAGAGAGGATGTTCTGTaaaacaagcatgtg
a
Aaggatgcg(A/-)tg(CGTG/-----)atgaaggattctttgctaaaGACACA
ATTATGGATCTGCAA
  
```

JAX Protocol

Protocol Primers

PRIMER	5' LABEL	SEQUENCE 5' → 3'	3' LABEL	PRIMER TYPE	REACTION	NOTE
21943	Fluorophore-1	ATG CGA TGC GTG ATG AAG	Quencher-1	MUT Probe		
21944	Fluorophore-2	AAG GAT GCG TGA TGA AGG AT	Quencher-2	WT Probe		
22205		CAC AGG AGA GAG GAT GTT CTG		Forward	A	
22206		AGG GTT GCA GAT CCA TAA TTG		Reverse	A	

Reaction A

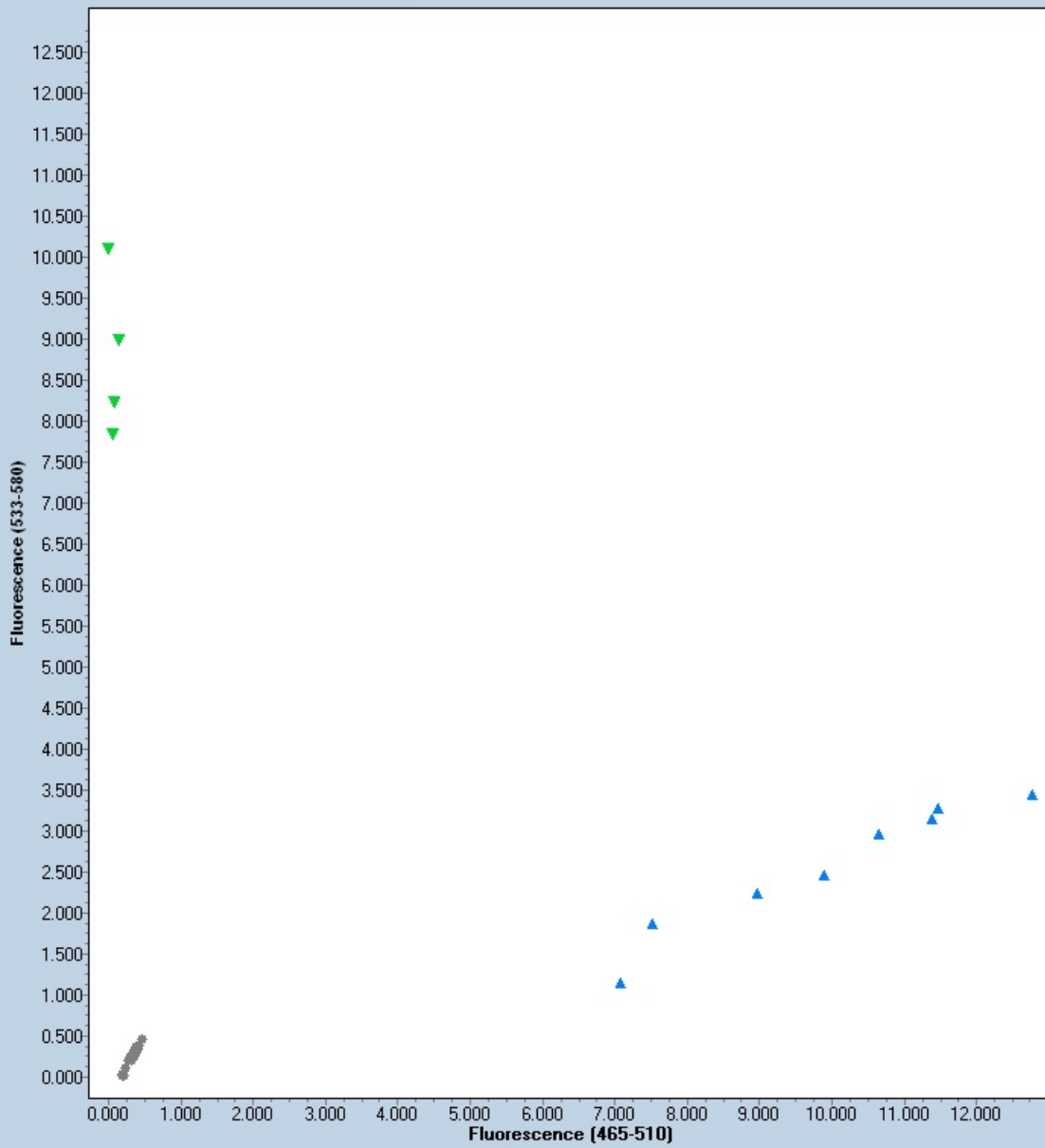
COMPONENT	FINAL CONCENTRATION
Kapa Probe Fast QPCR	1.00 X
ddH2O	
22205	0.40 uM
22206	0.40 uM
Wt Probe	0.15 uM
Mutant Probe	0.15 uM
DNA	

Cycling

STEP	TEMP °C	TIME	NOTE
1	95.0	--	
2	95.0	--	
3	60.0	--	repeat steps 2-3 for 40 cycles

JAX uses a very high speed Taq (~1000 bp/sec), use cycling times recommended for your reagents.

Endpoint Fluorescence Scatter Plot



Endpoint Fluorescence Scatter Plot

Select Zoom

