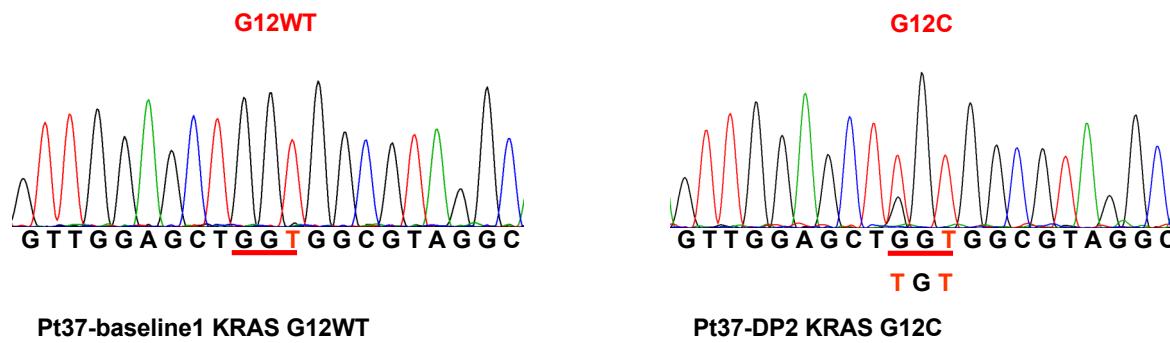
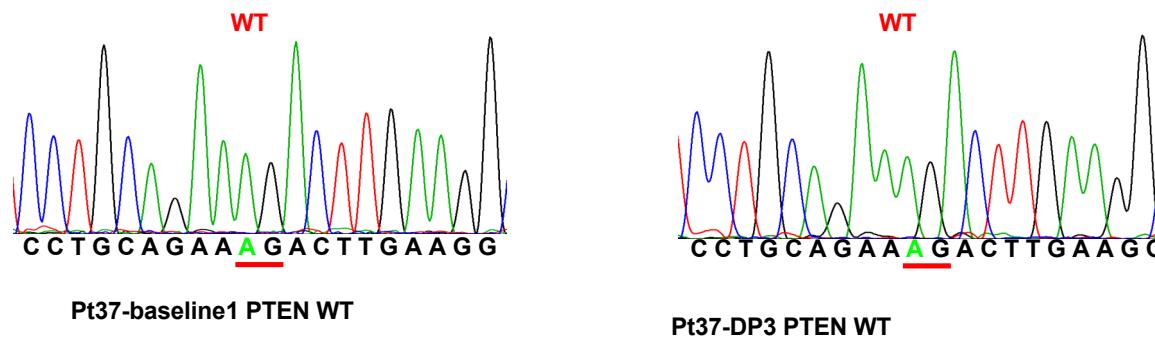


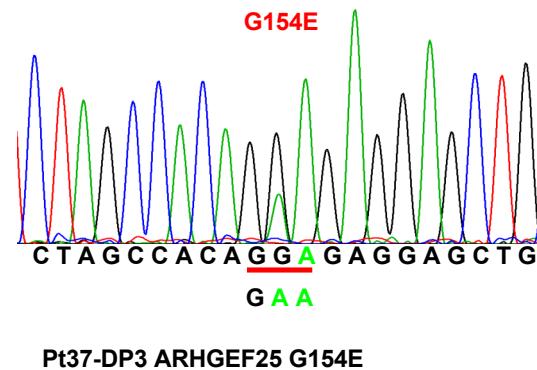
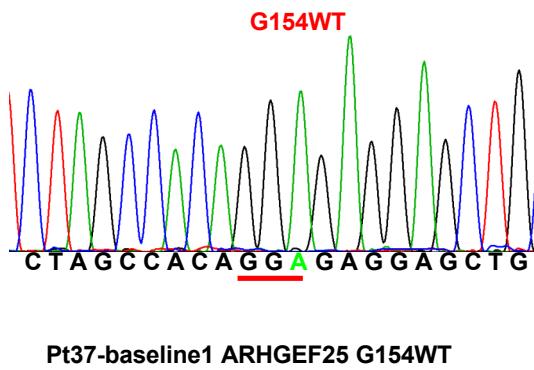
Supplementary Figure S2  
Slide 1



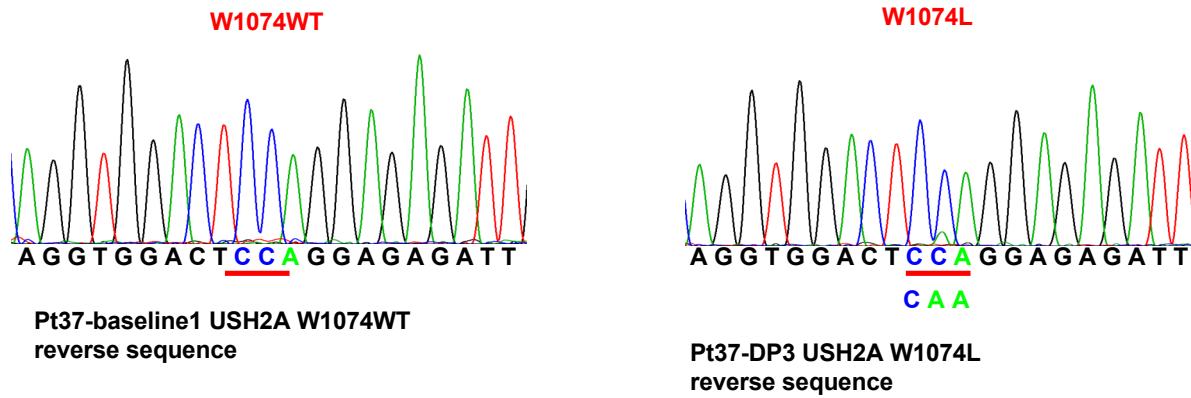
Slide 2



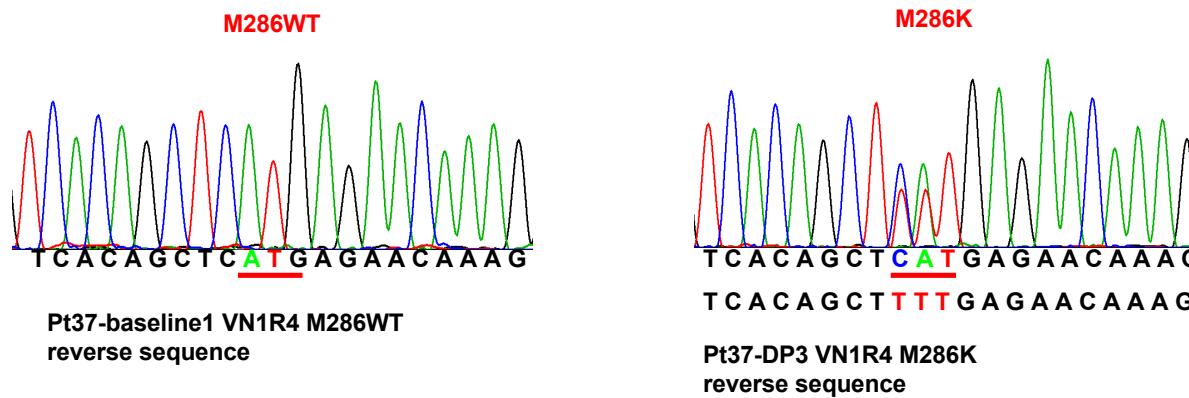
Slide 3



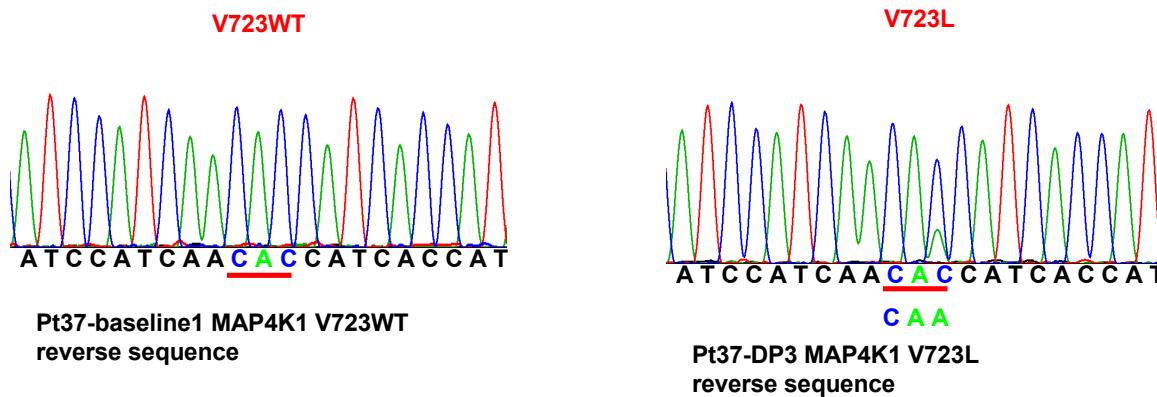
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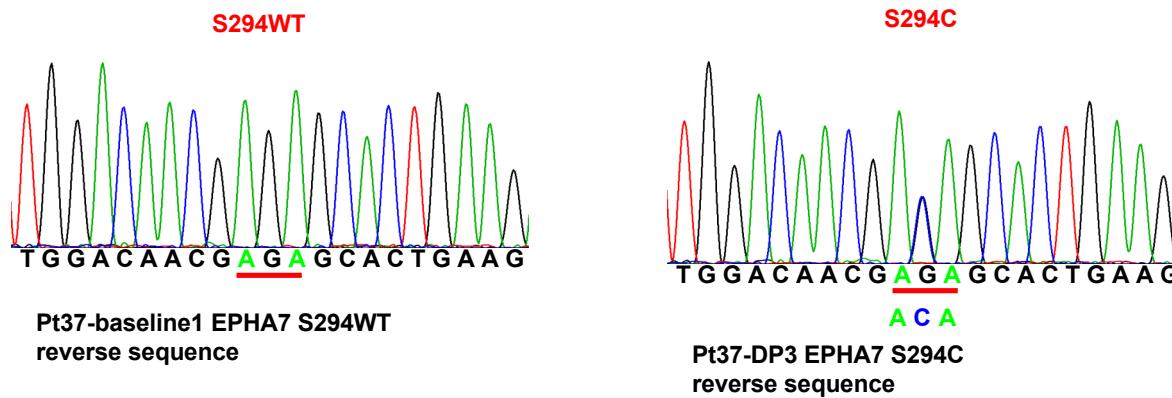
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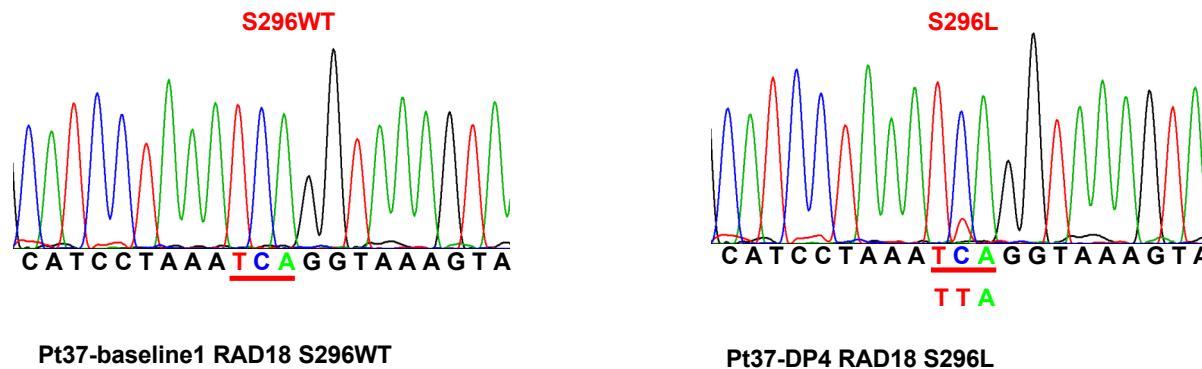
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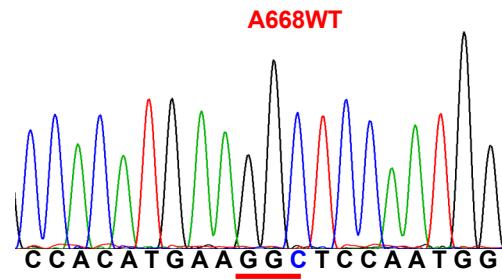
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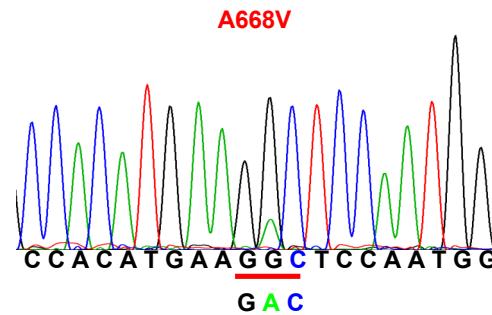
Slide 8



Slide 9

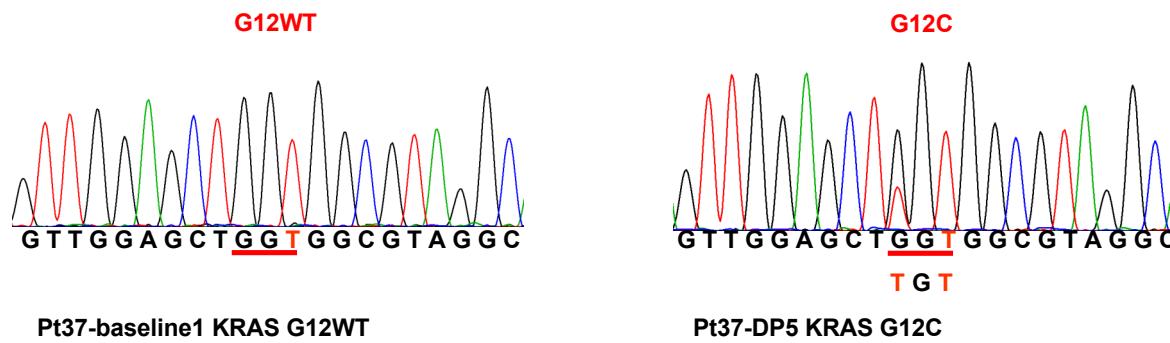


Pt37-baseline1 GRIN3A A668WT  
reverse sequence

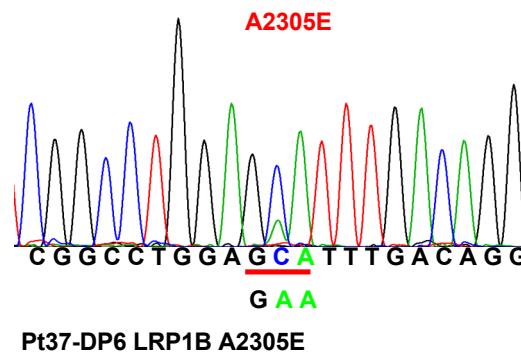
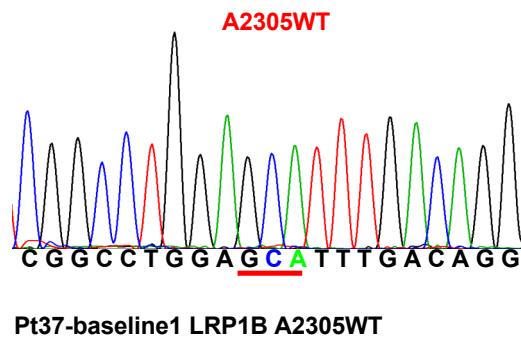


Pt37-DP4 GRIN3A A668V  
reverse sequence

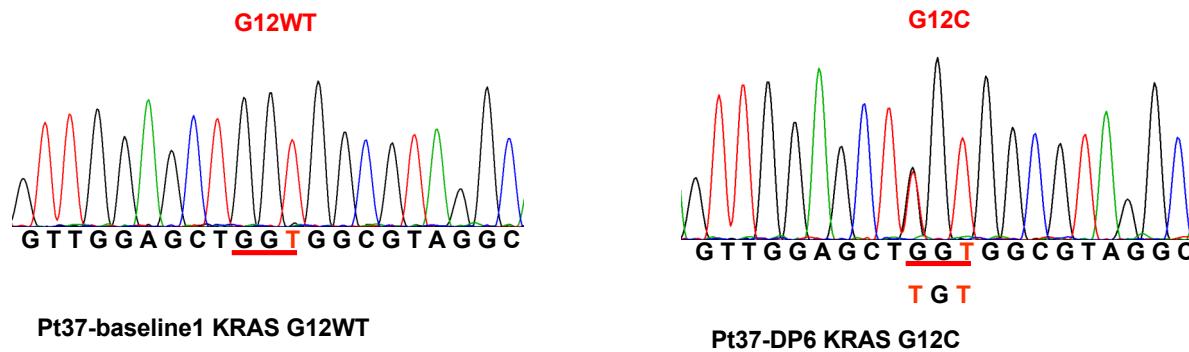
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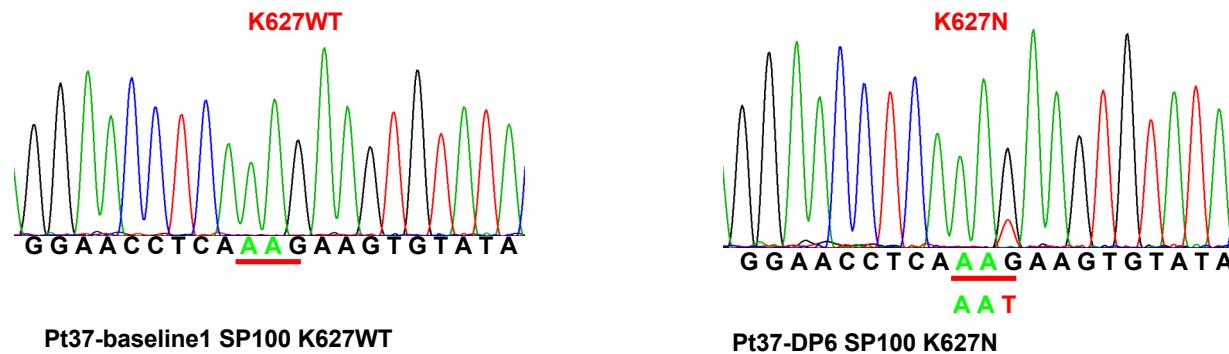
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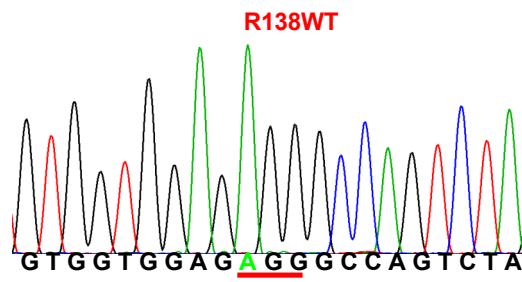
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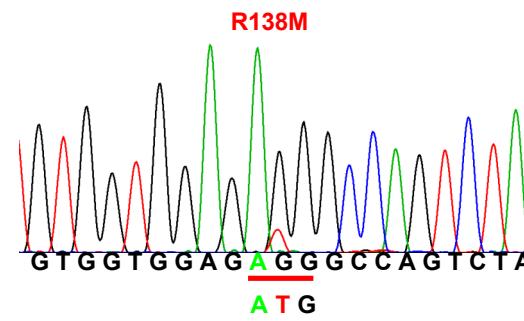
Slide 13



Slide 14

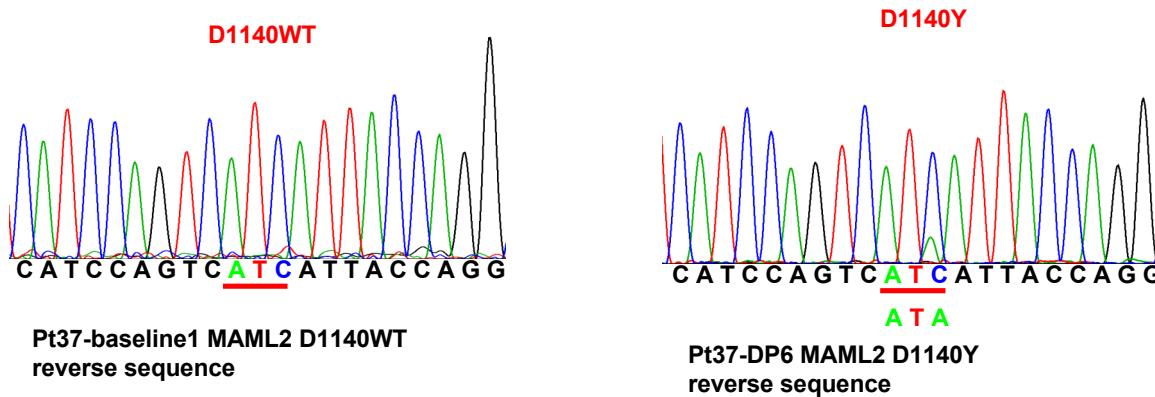


Pt37-baseline1 ISL1 R138WT

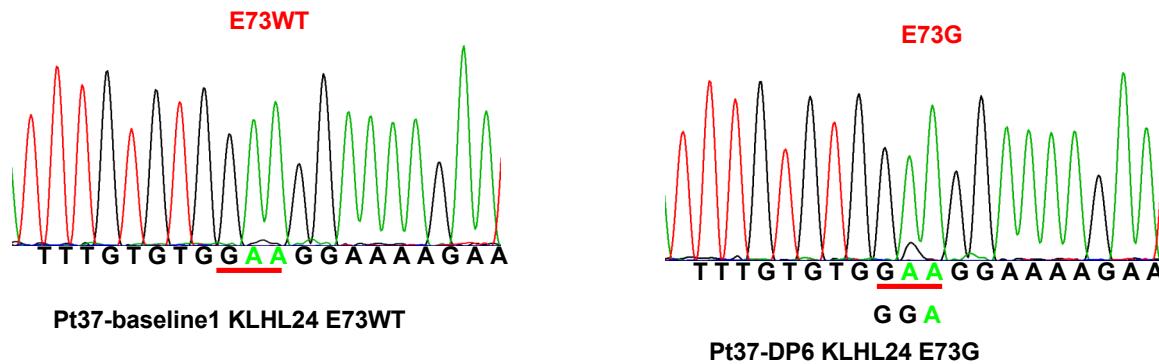


Pt37-DP6 ISL1 R138M

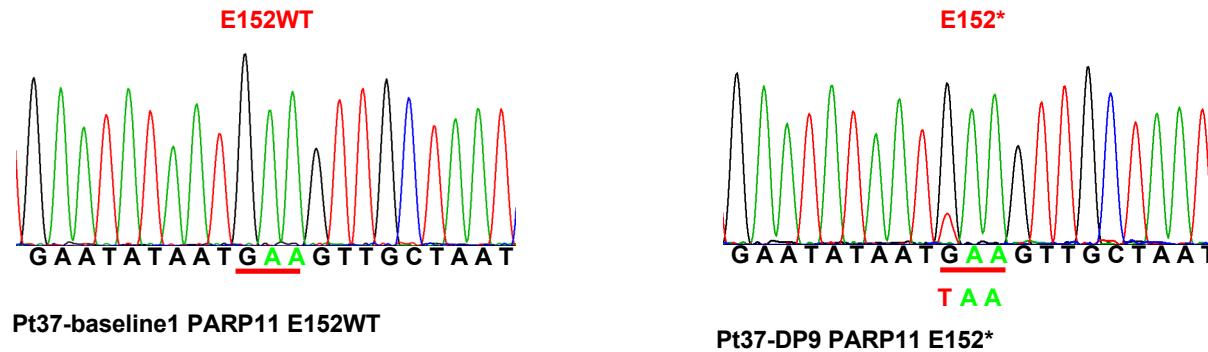
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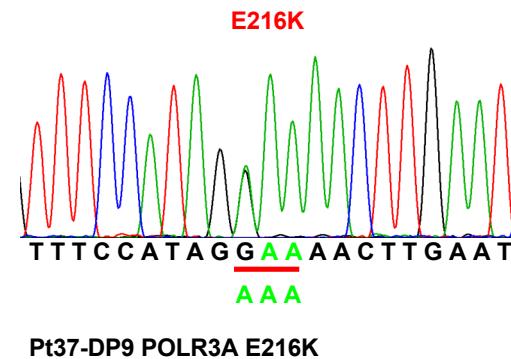
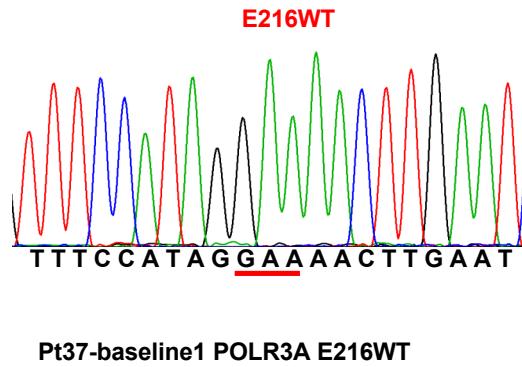
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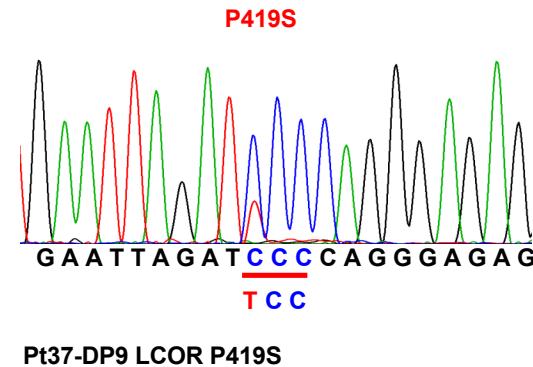
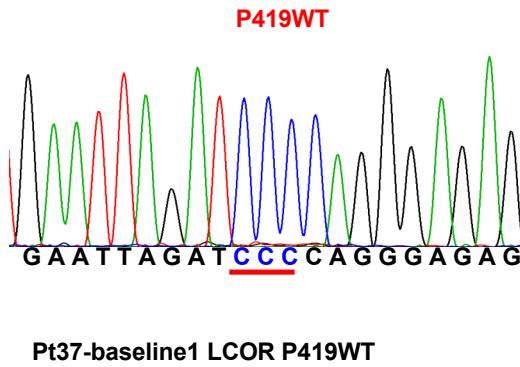
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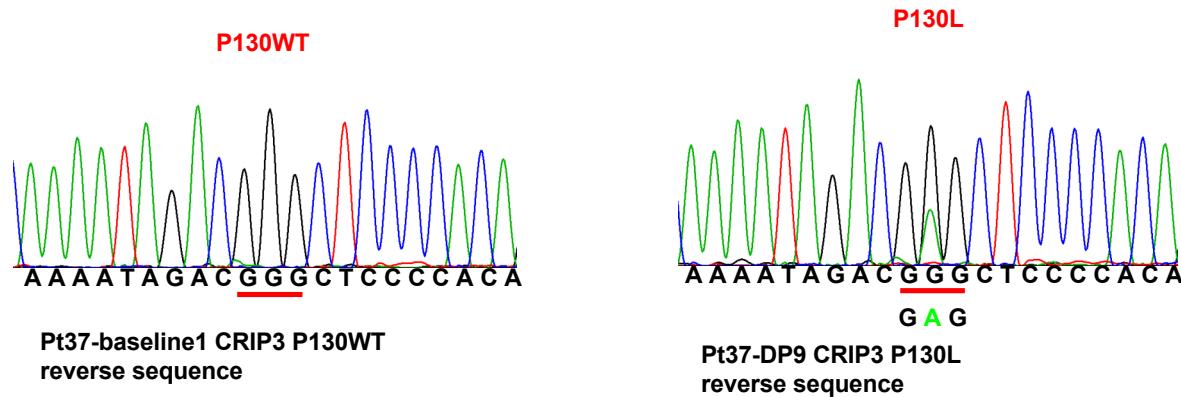
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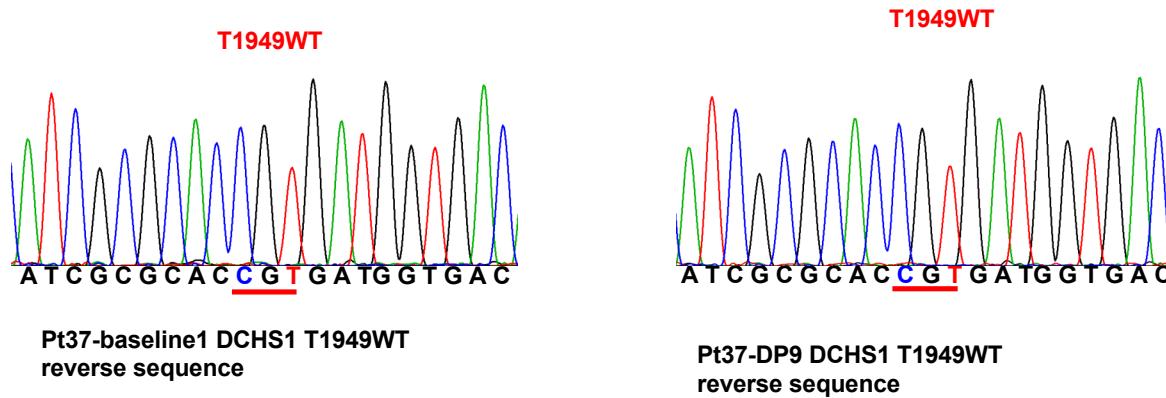
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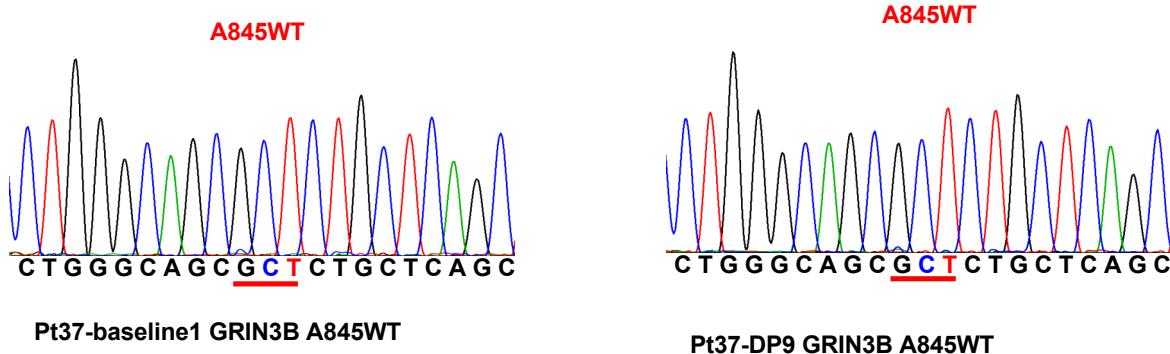
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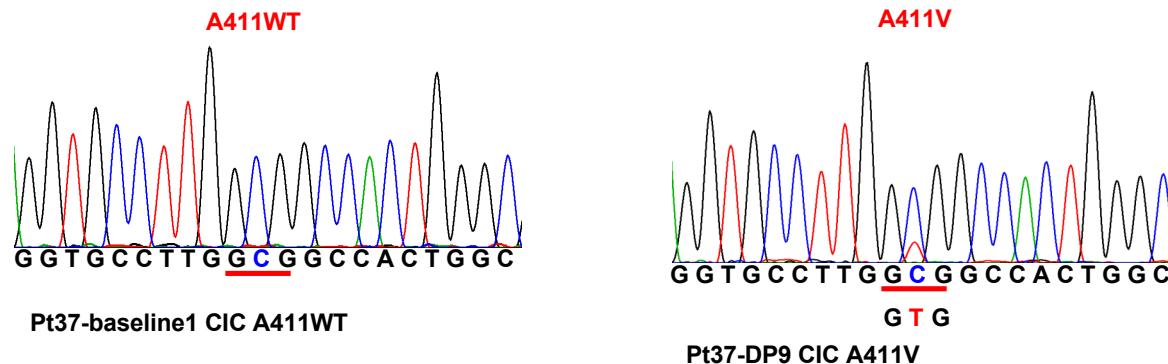
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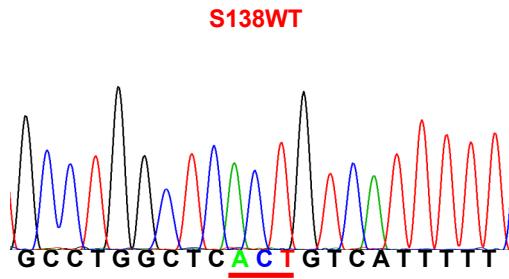
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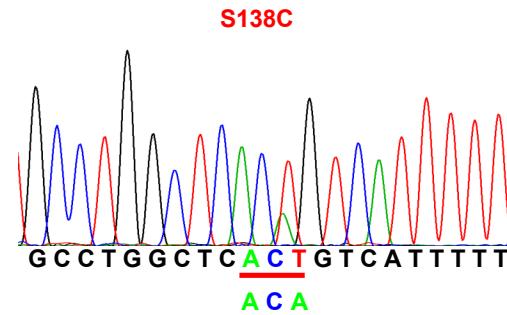
Slide 23



Slide 24

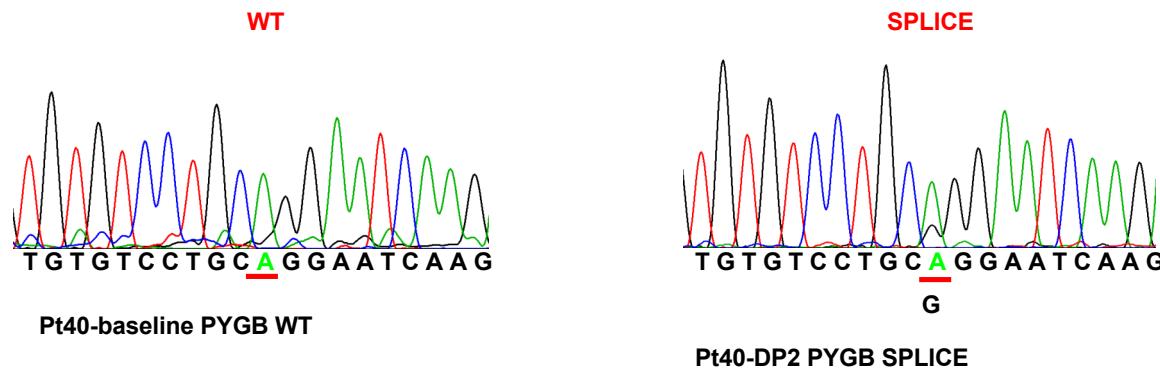


Pt40-baseline CACNA2D1 S138WT  
reverse sequence

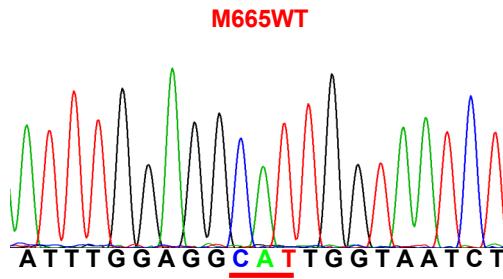


Pt40-DP2 CACNA2D1 S138C  
reverse sequence

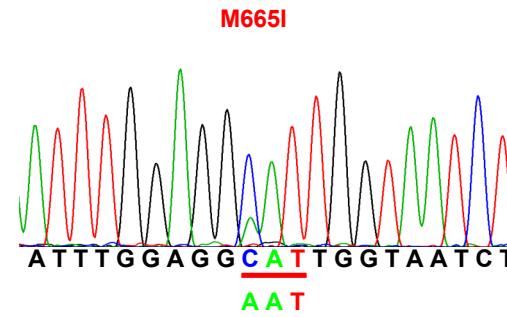
Slide 25



Slide 26

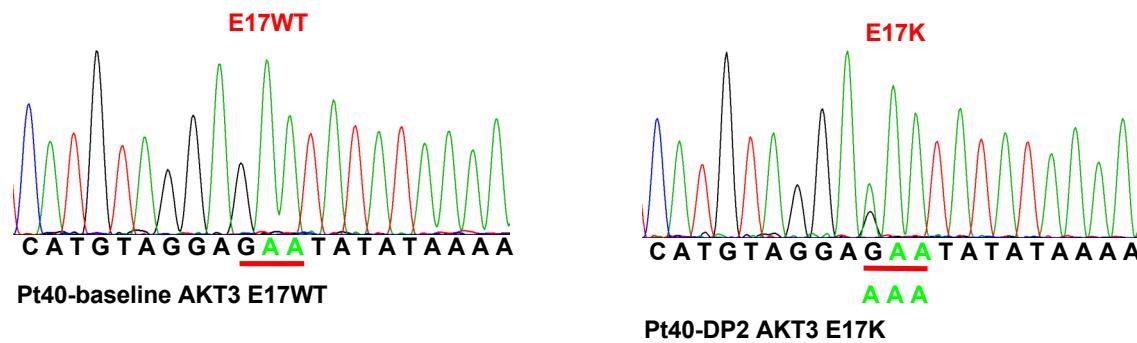


Pt40-baseline PTK2 M665WT  
reverse sequence

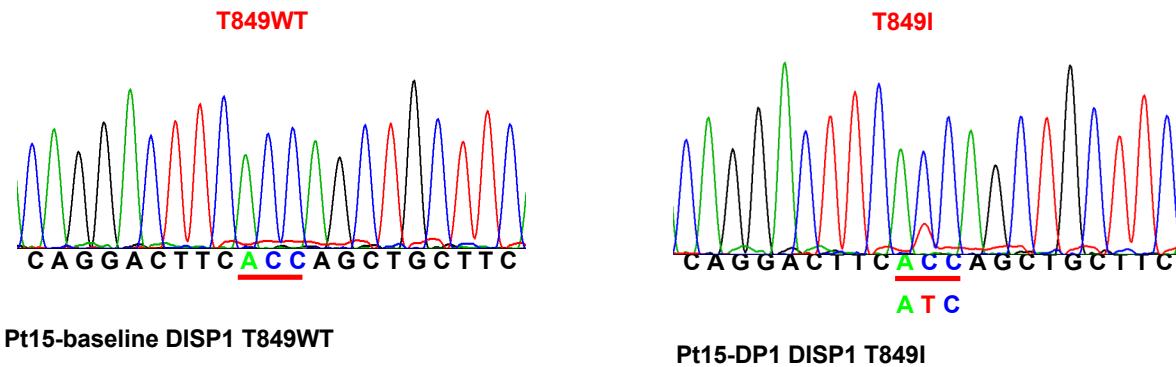


Pt40-DP2 PTK2 M665I  
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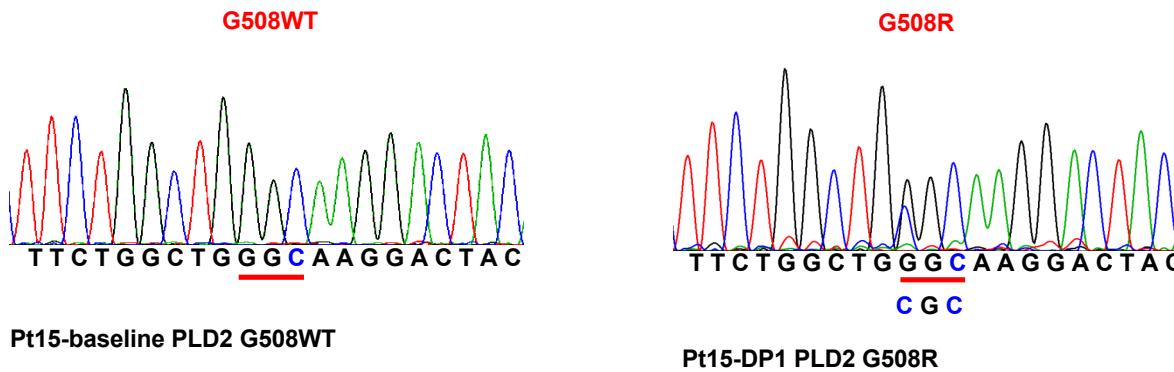
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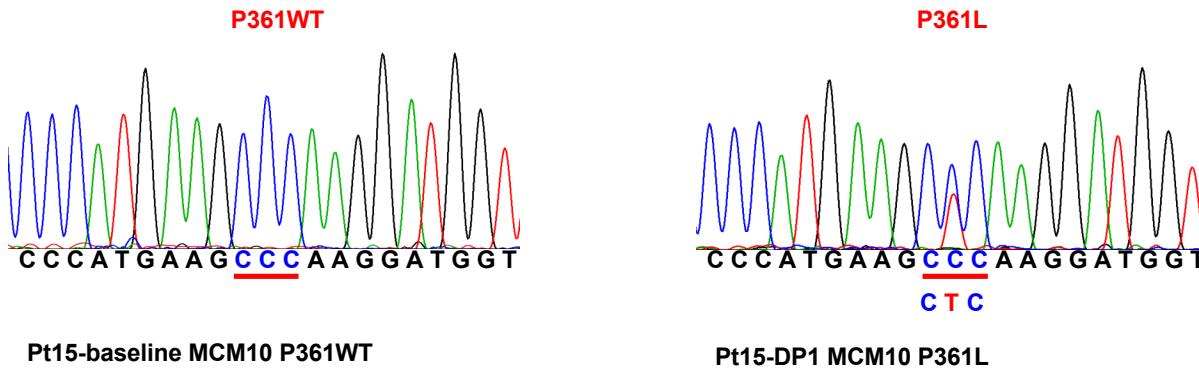
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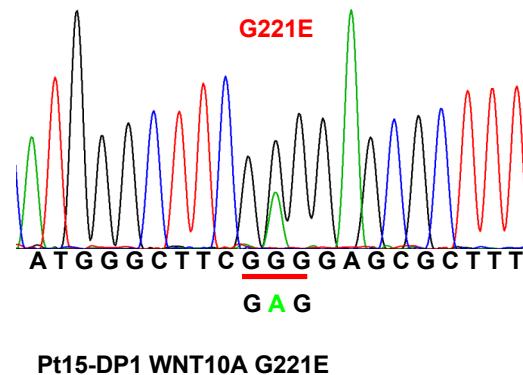
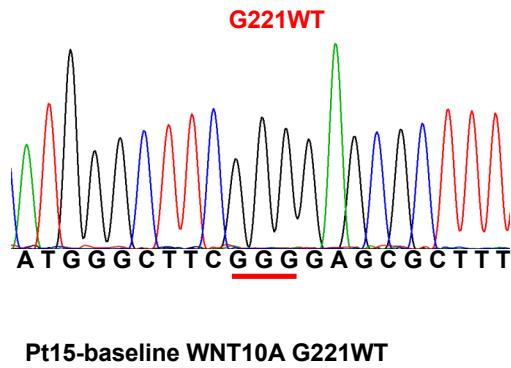
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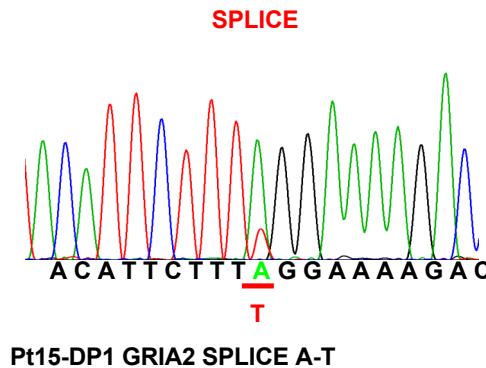
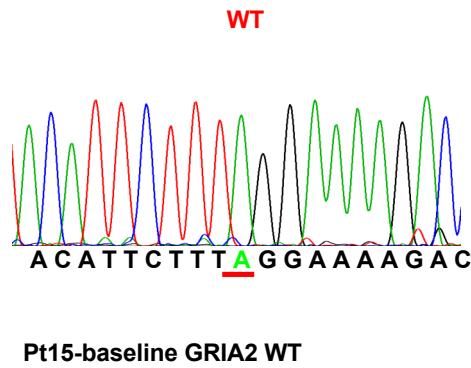
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Slide 31

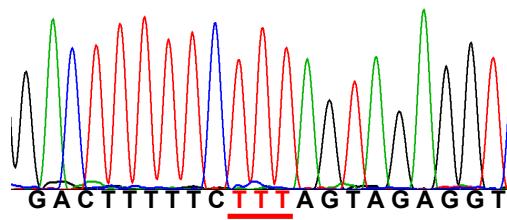


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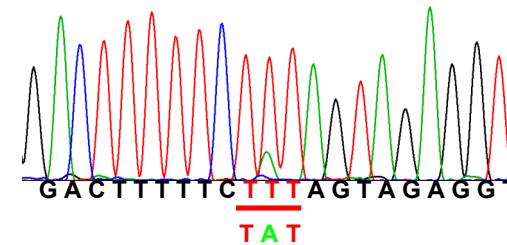
Slide 33

F155WT



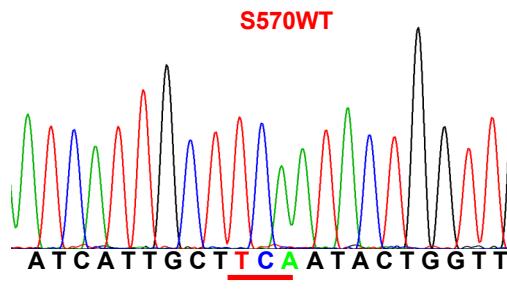
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F155Y

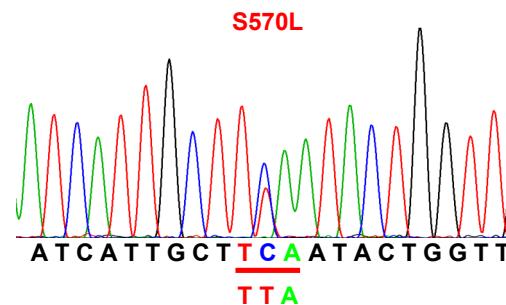


Pt15-DP1 DDIT4L F155Y

Slide 34

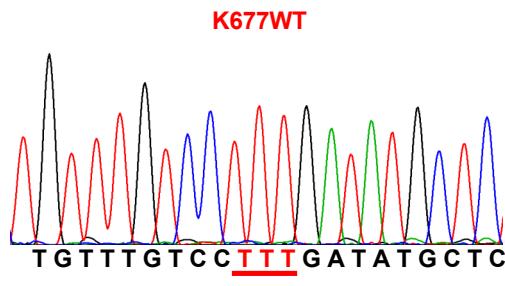


Pt15-baseline POLR3A S570WT

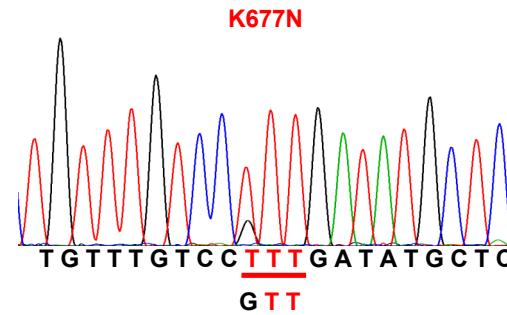


Pt15-DP1 POLR3A S570L

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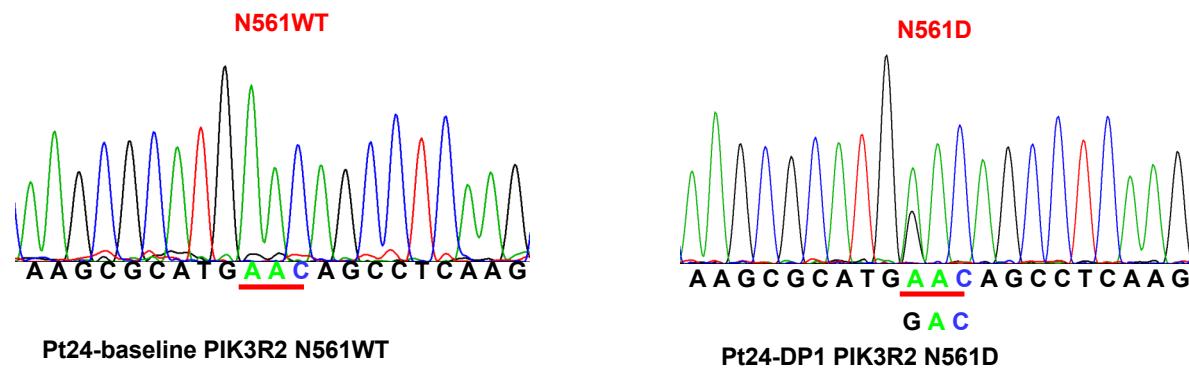


Pt15-baseline PPP1R3A K677WT  
reverse sequence

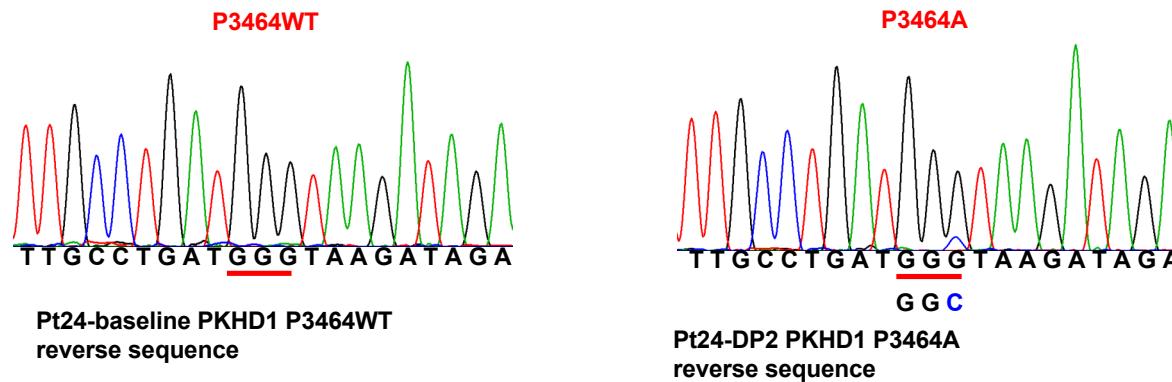


Pt15-DP1 PPP1R3A K677N  
reverse sequence

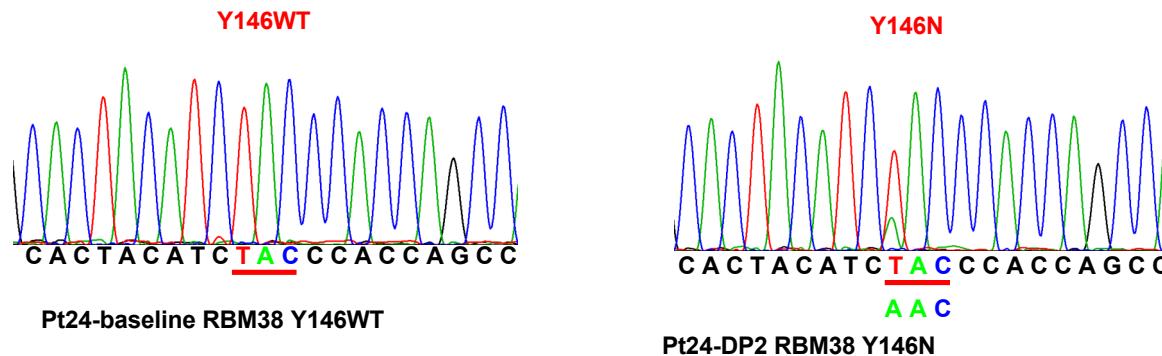
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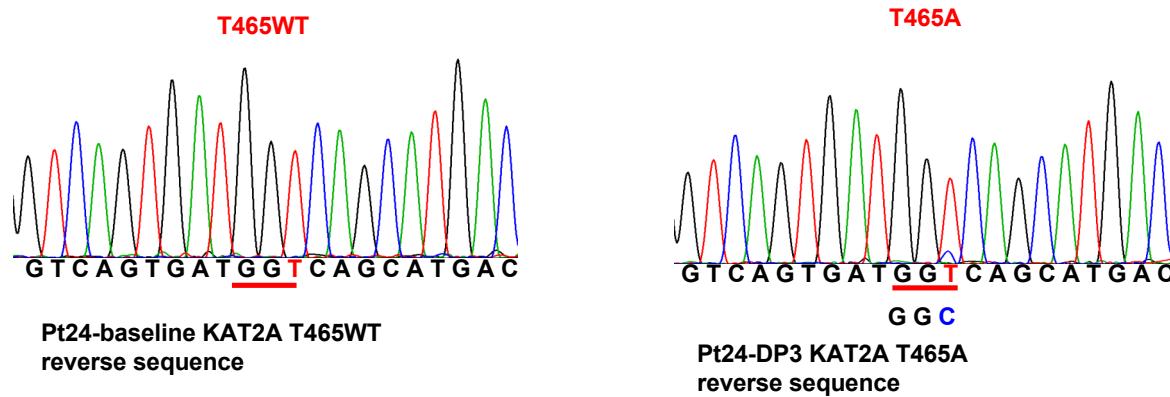
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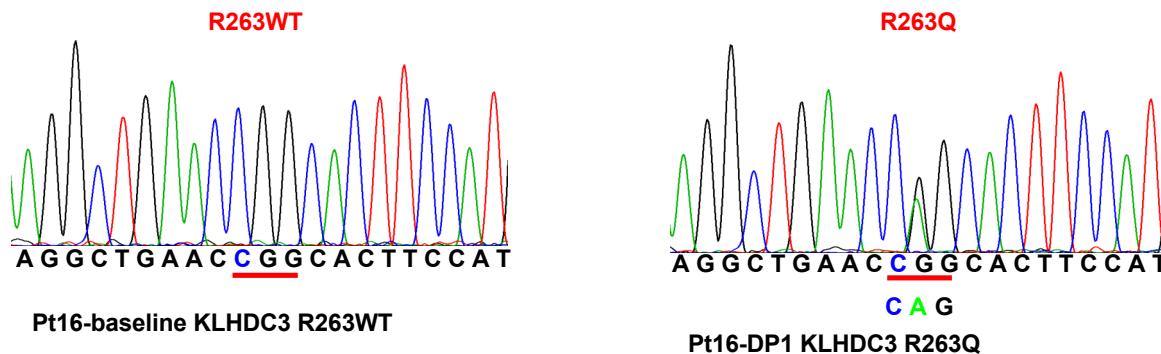
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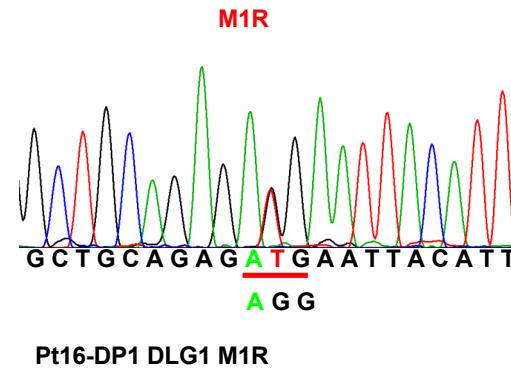
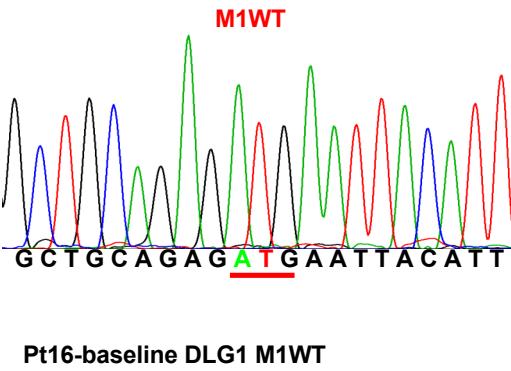
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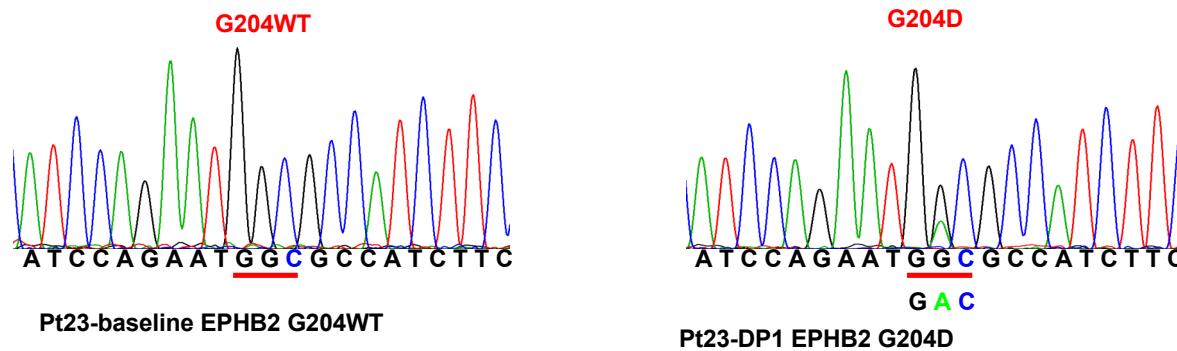
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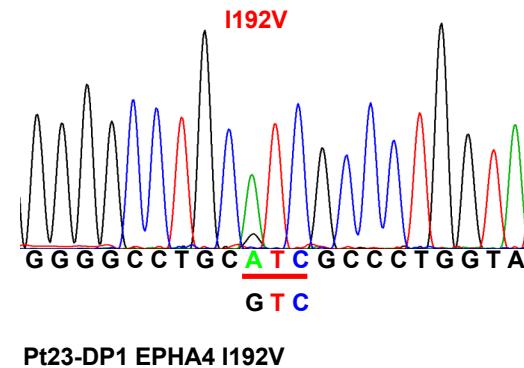
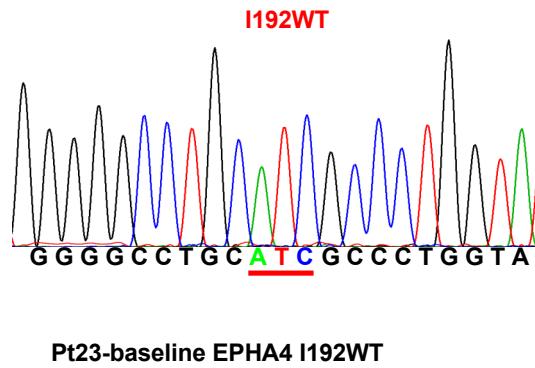
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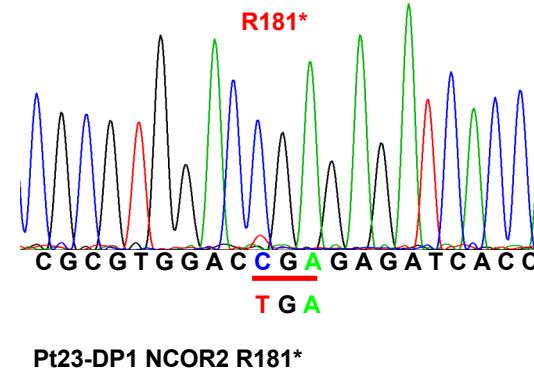
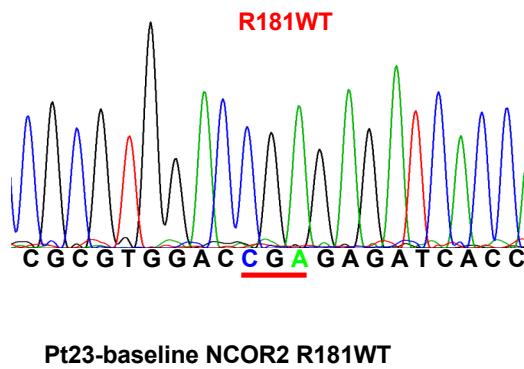
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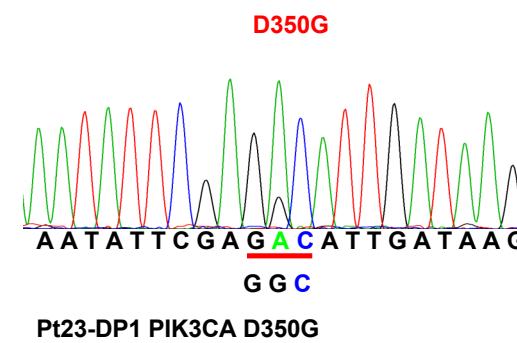
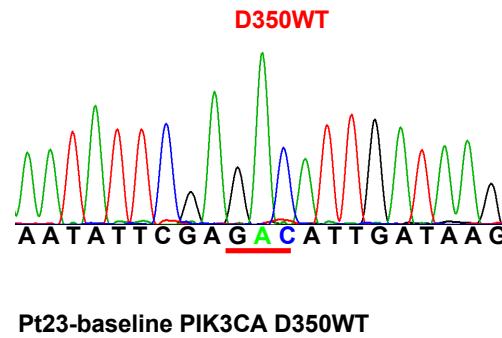
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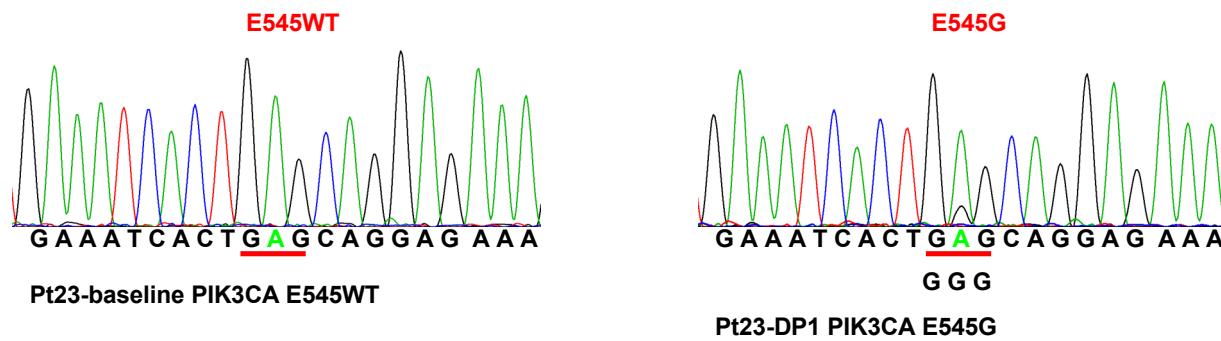
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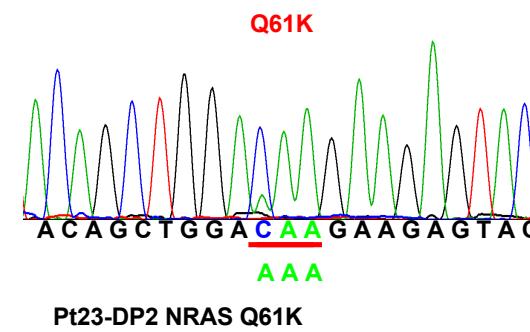
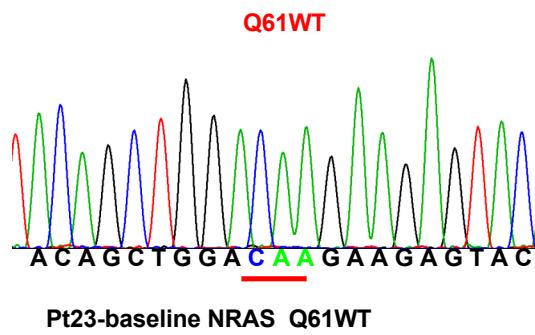
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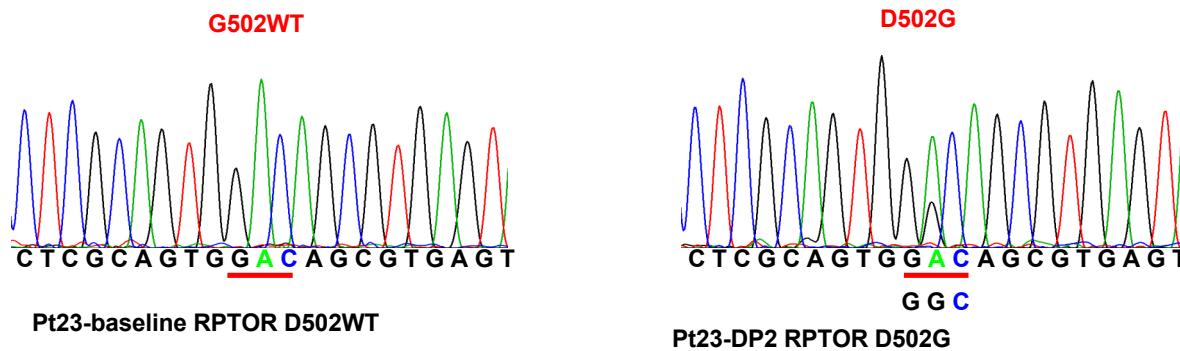
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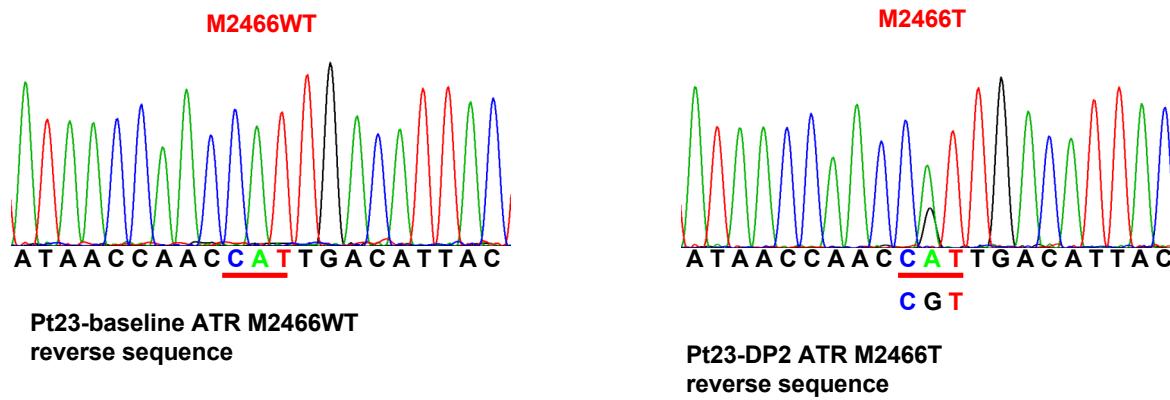
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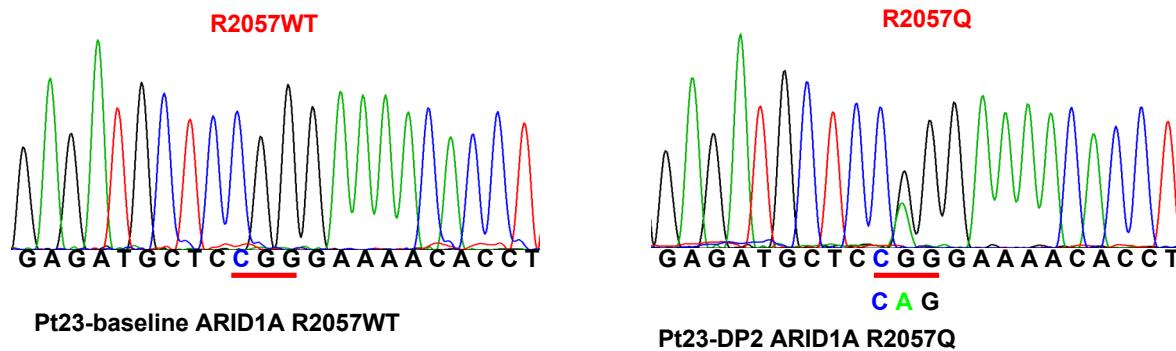
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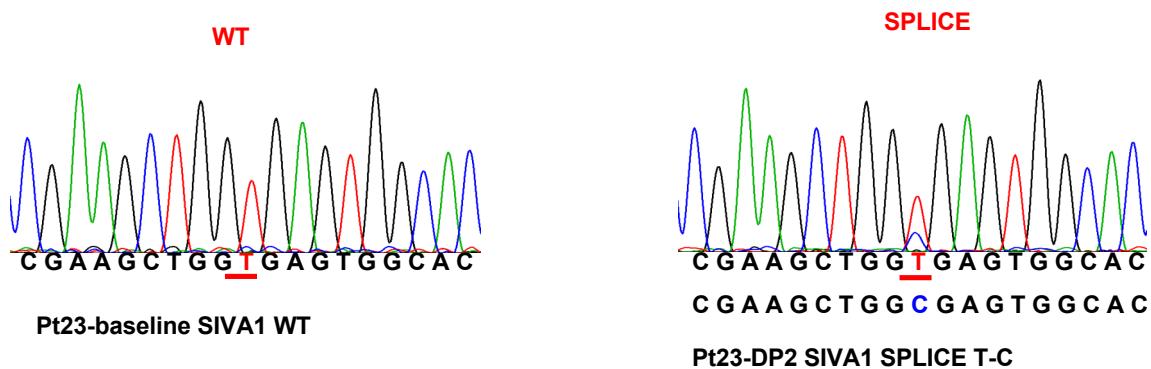
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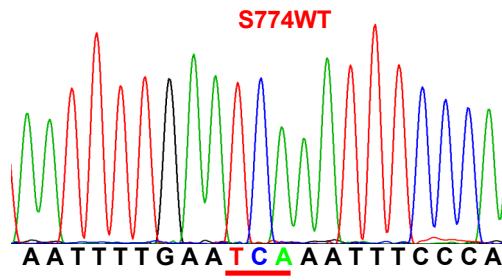
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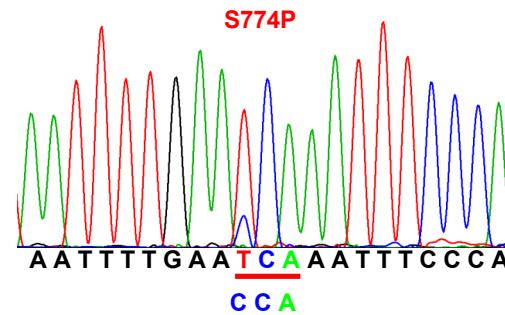
Slide 51



Slide 52

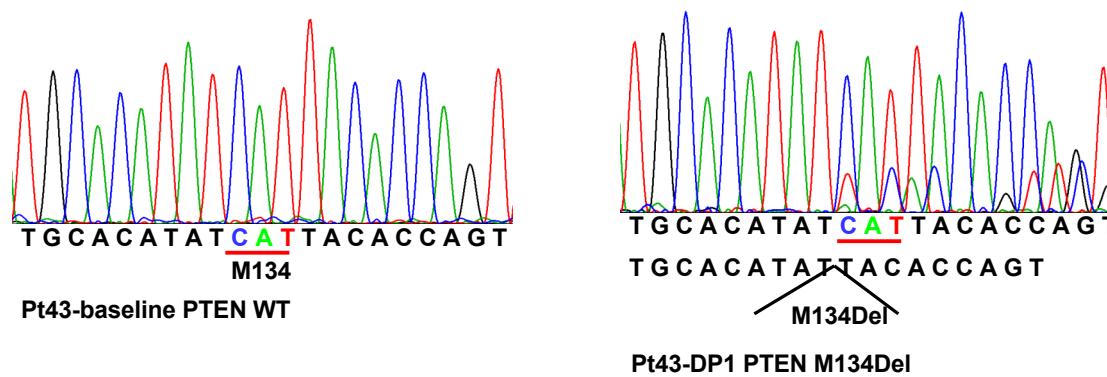


Pt23-baseline CHAMP1 S774WT

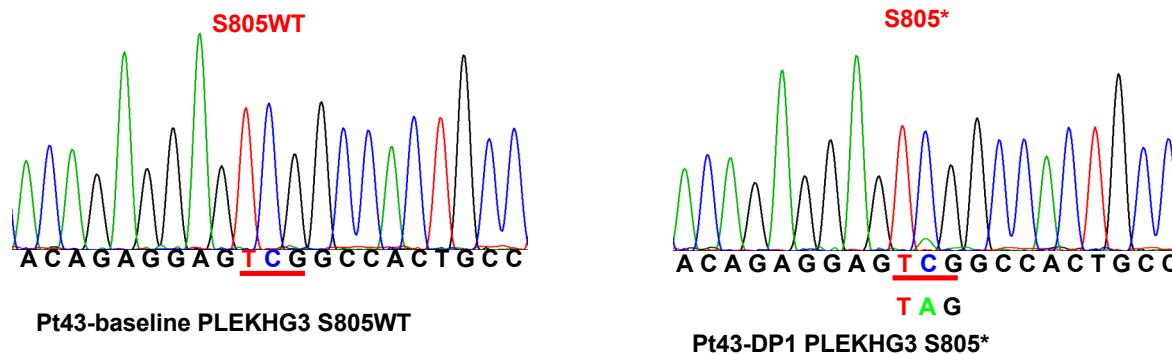


Pt23-DP2 CHAMP1 S774P

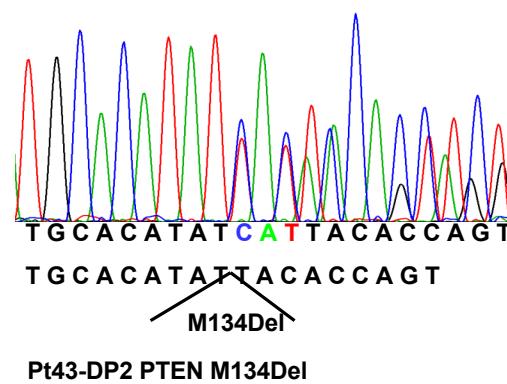
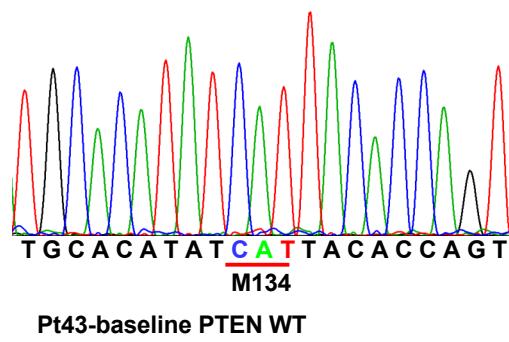
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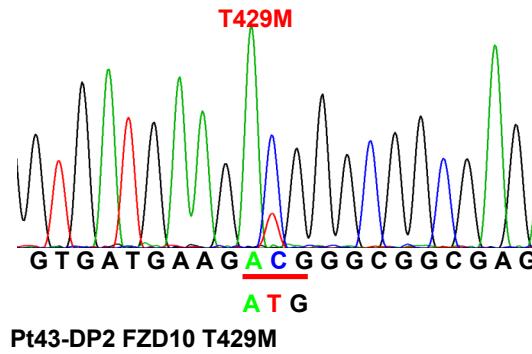
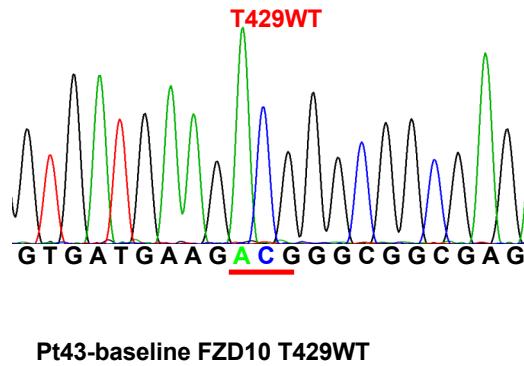
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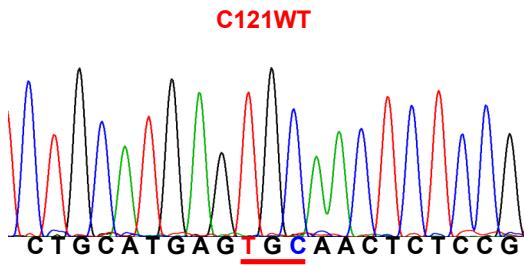
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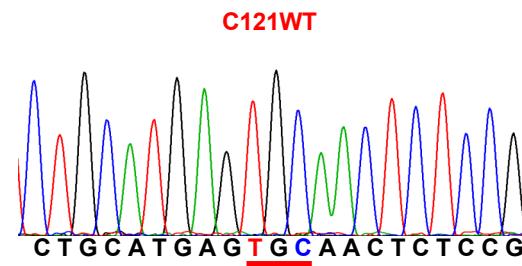
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Slide 57

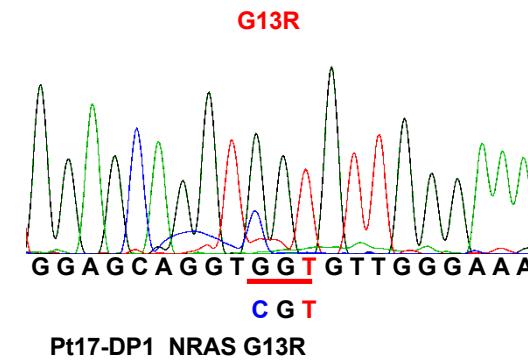
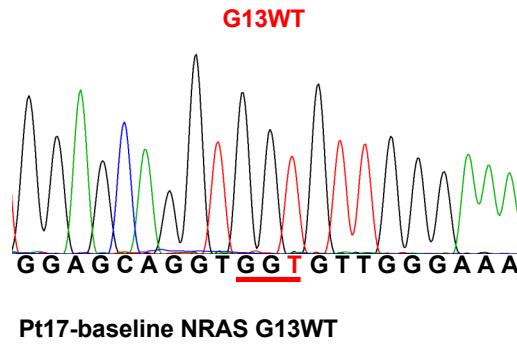


Pt43-baseline MEK1 C121WT

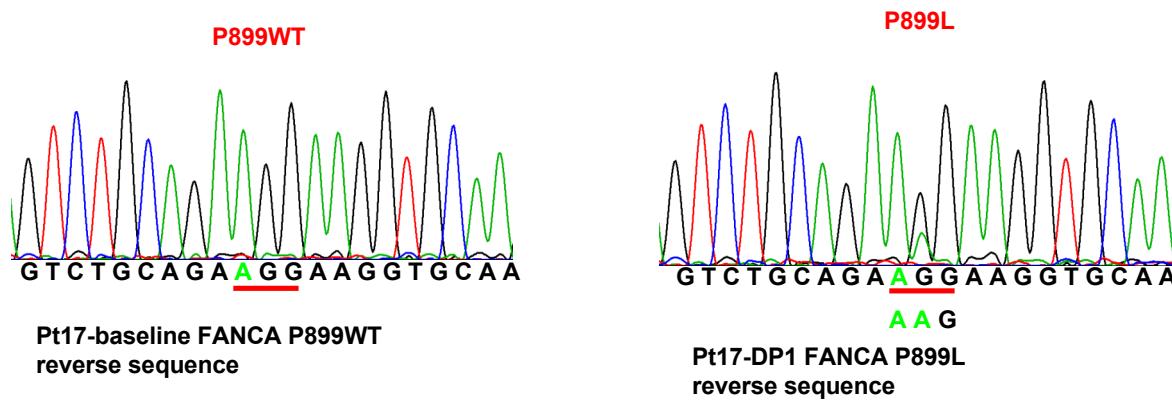


Pt43-DP2 MEK1 C121WT

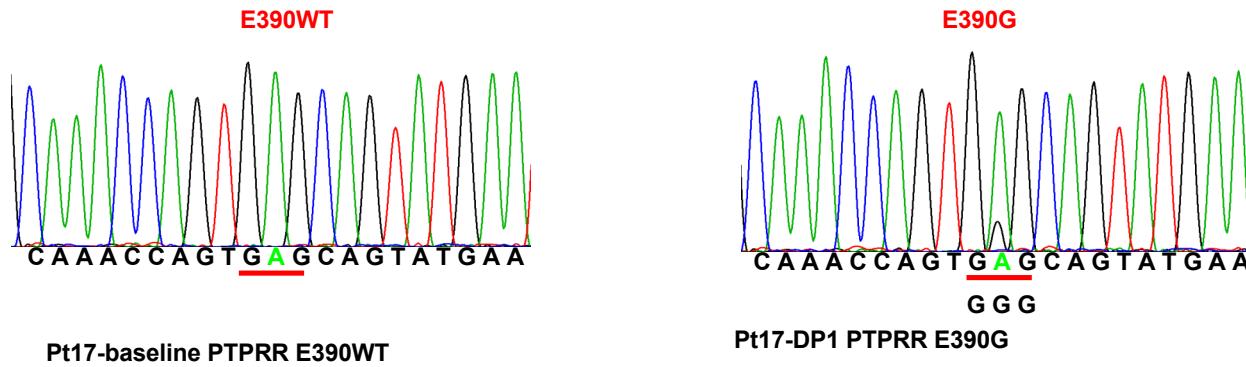
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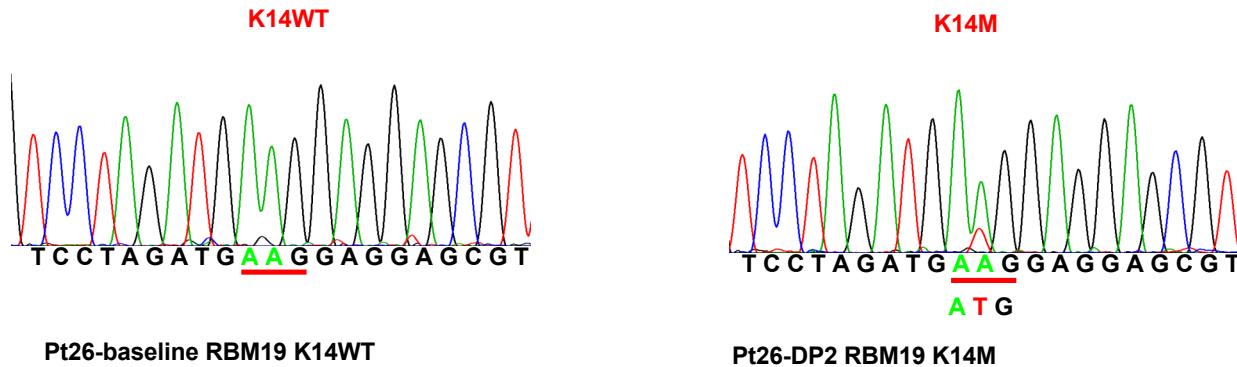
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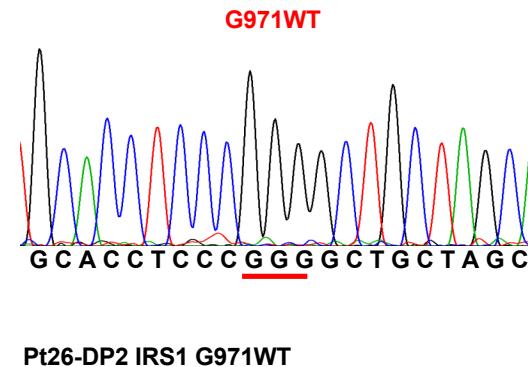
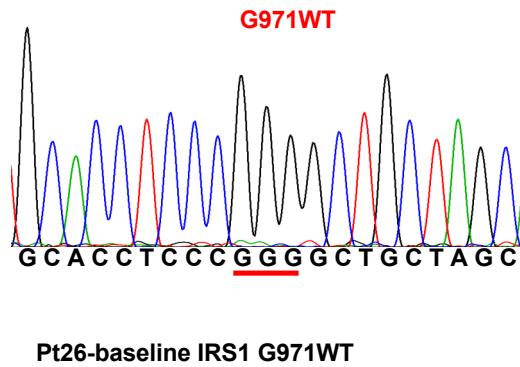
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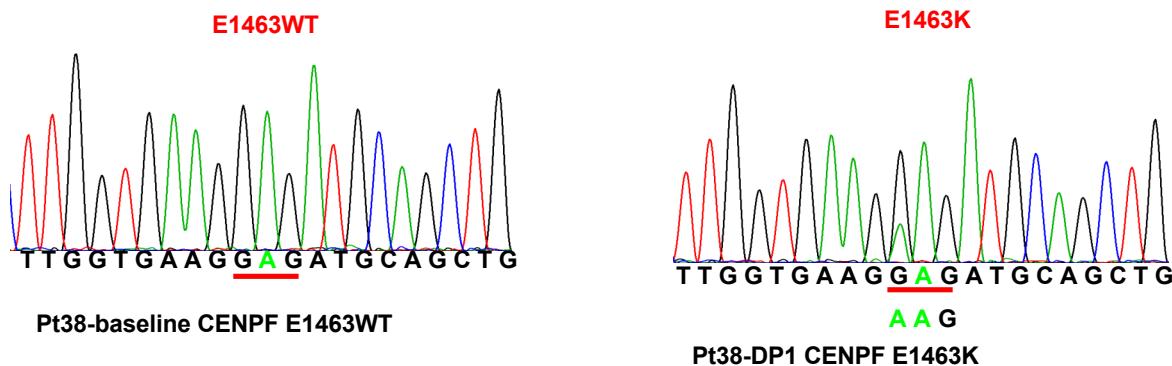
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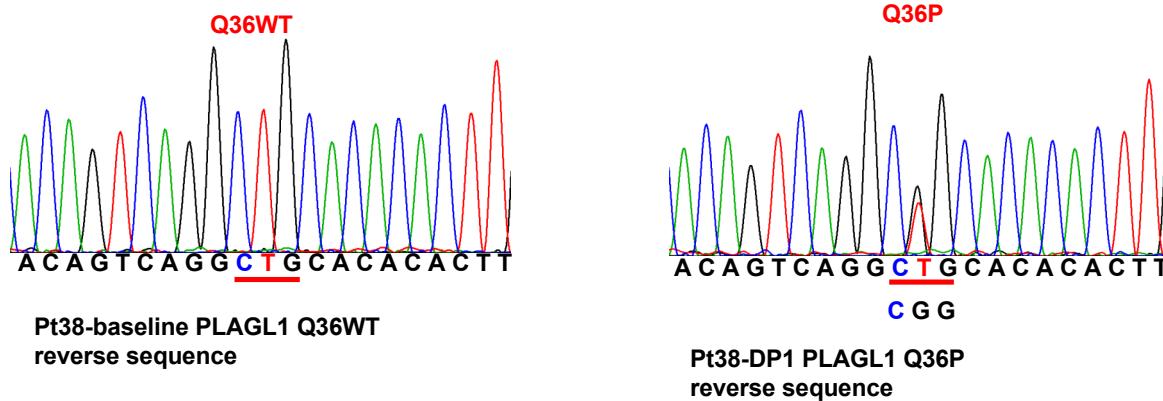
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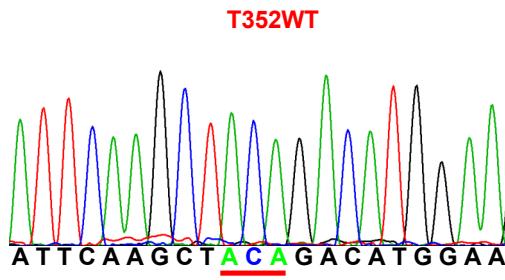
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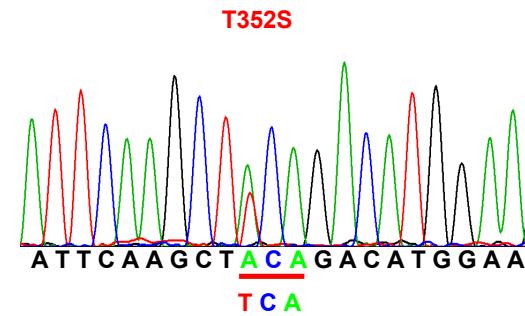
Slide 64



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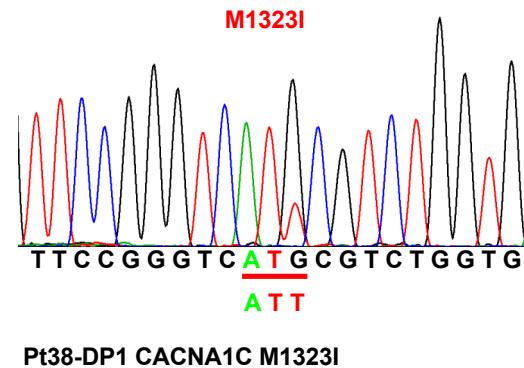
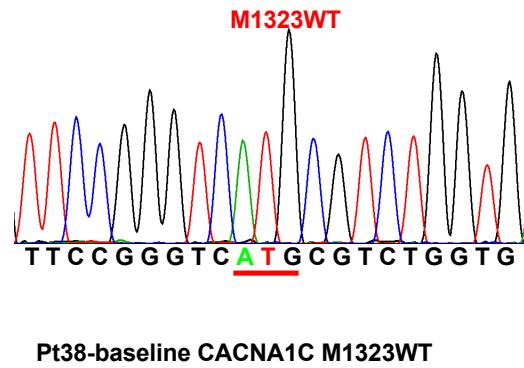


Pt38-baseline CDH2 T352WT

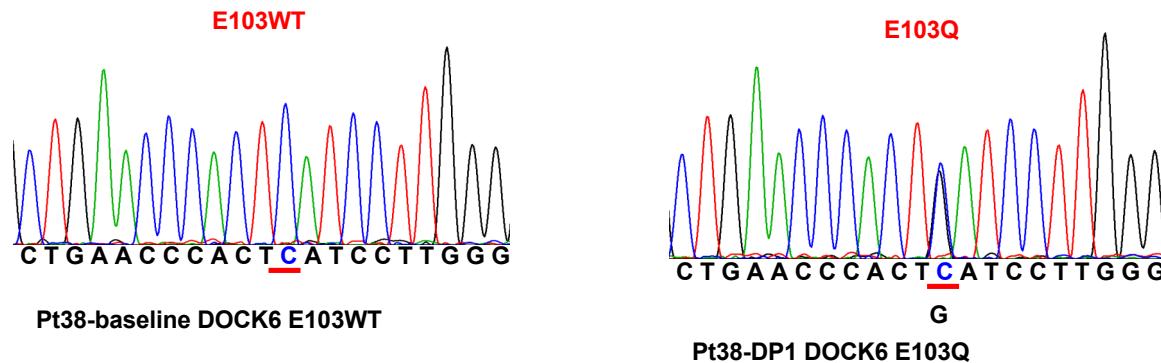


Pt38-DP1 CDH2 T352S

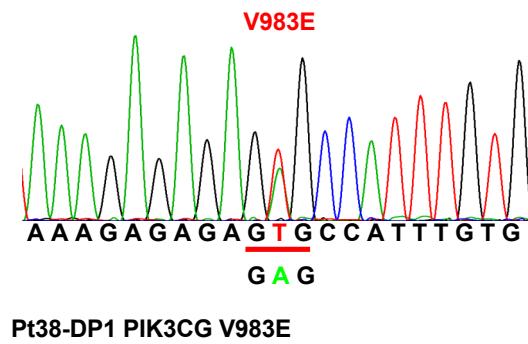
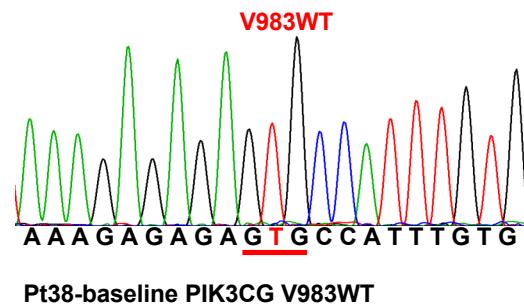
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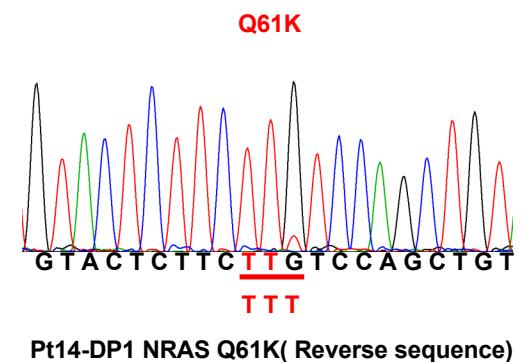
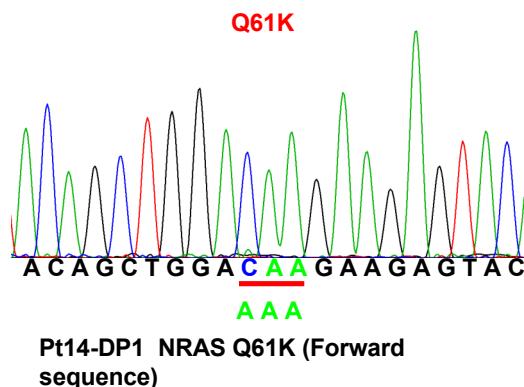
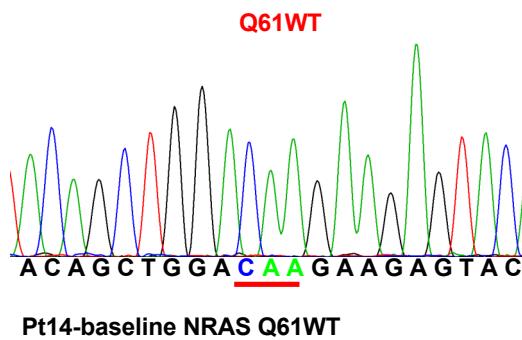
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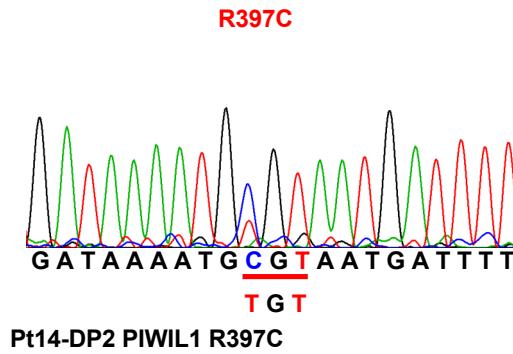
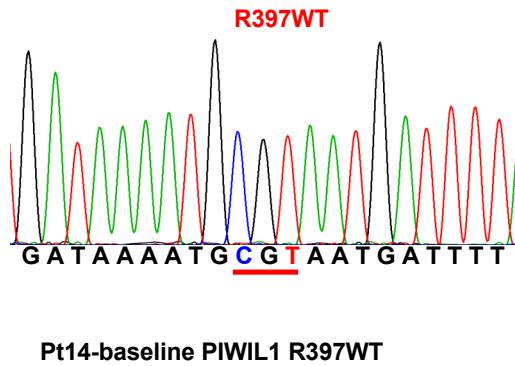
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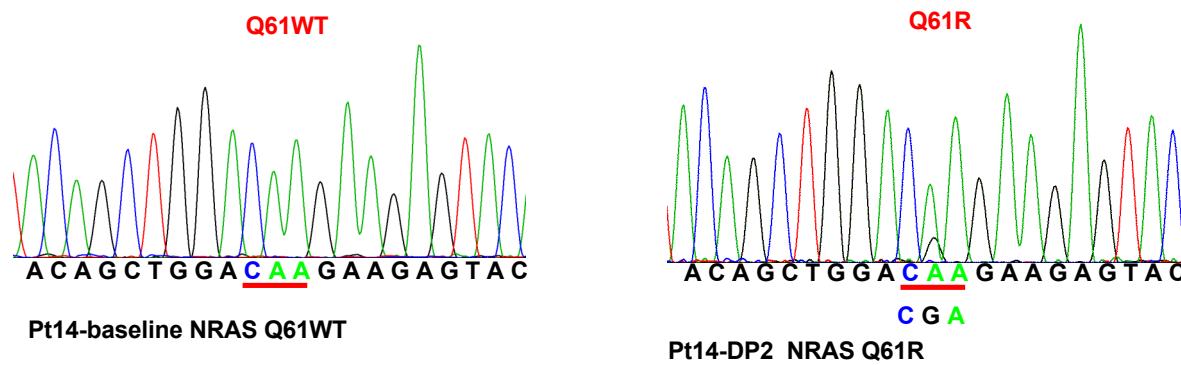
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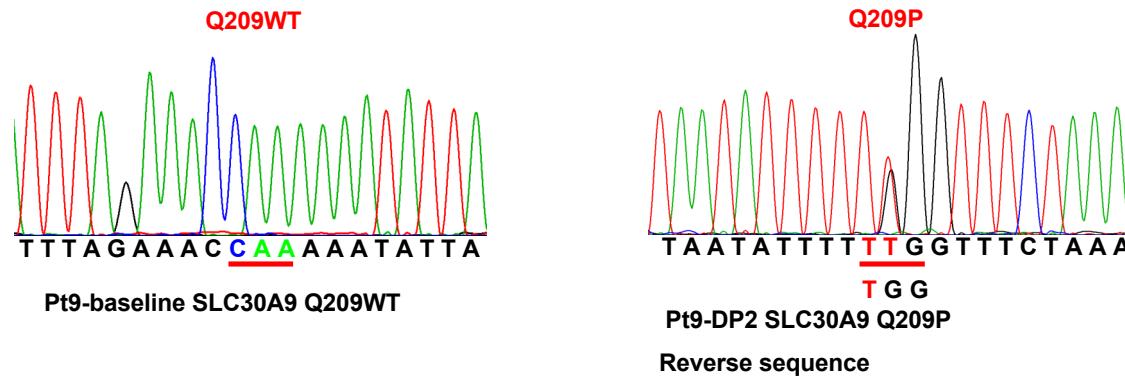
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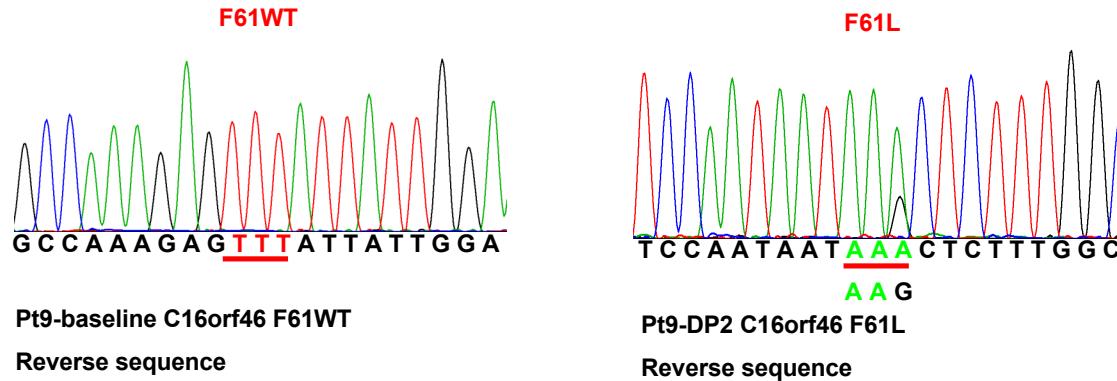
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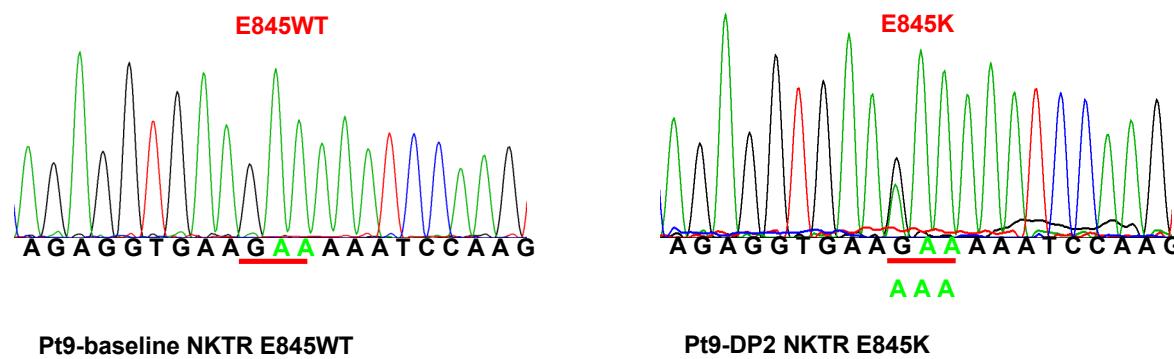
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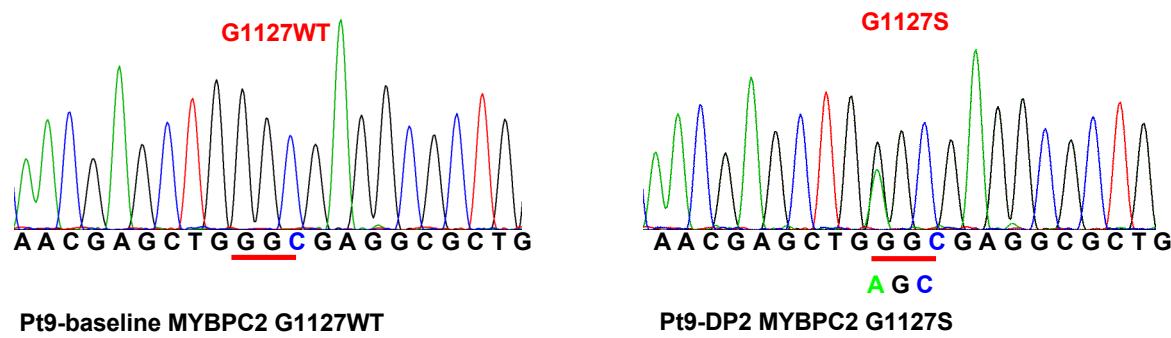
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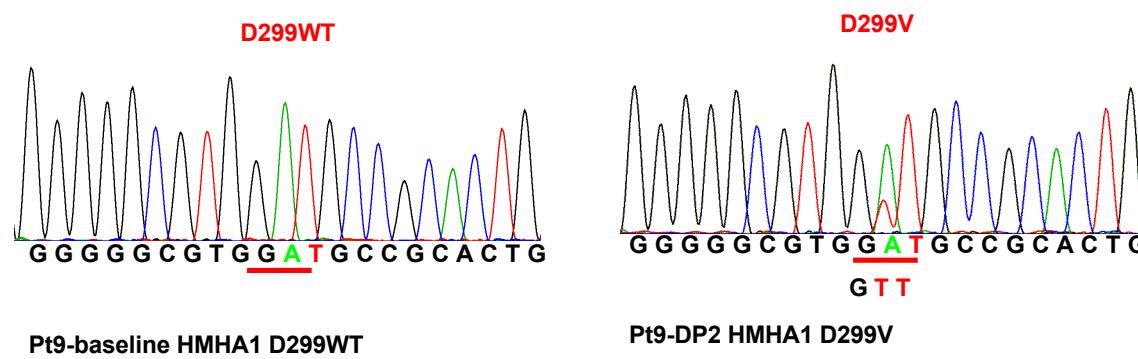
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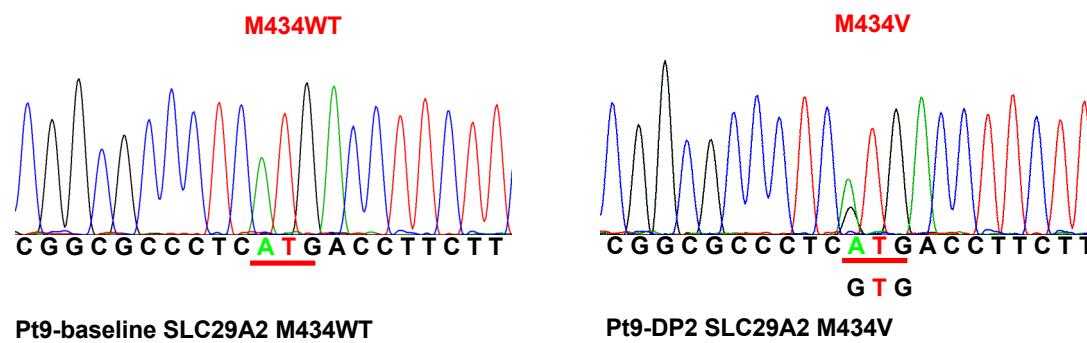
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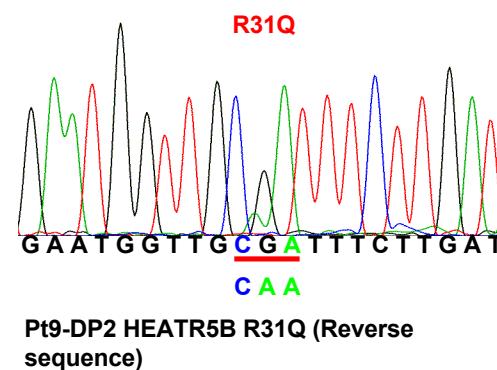
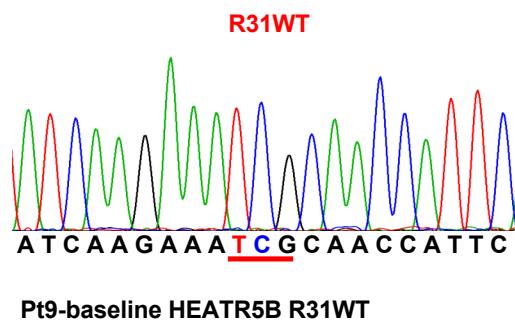
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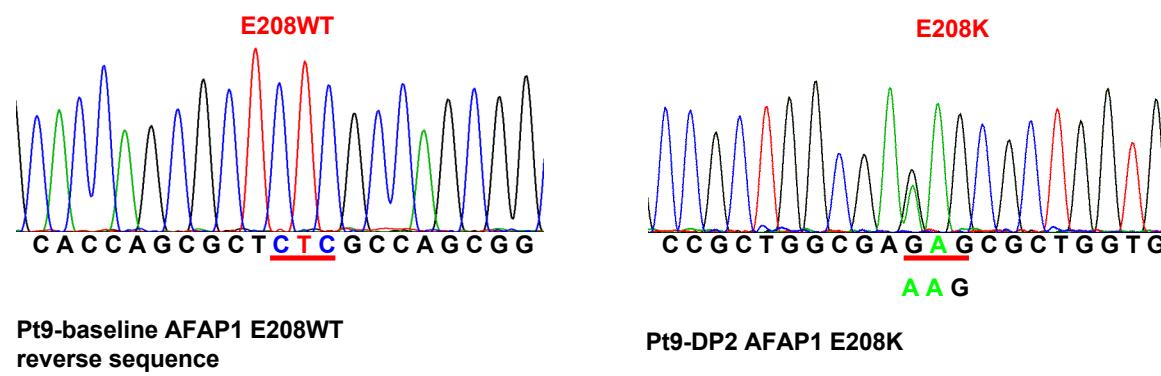
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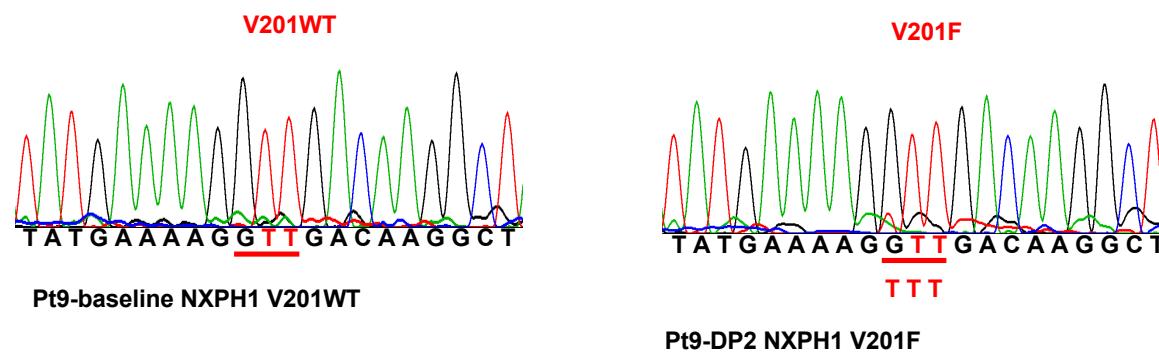
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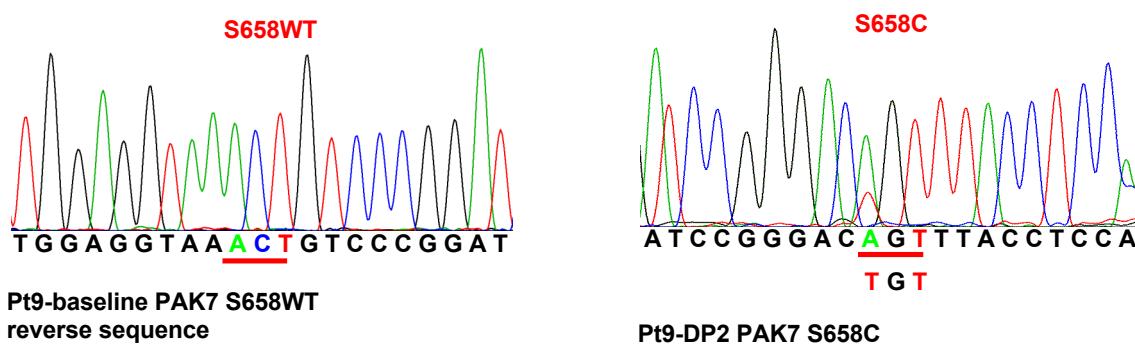
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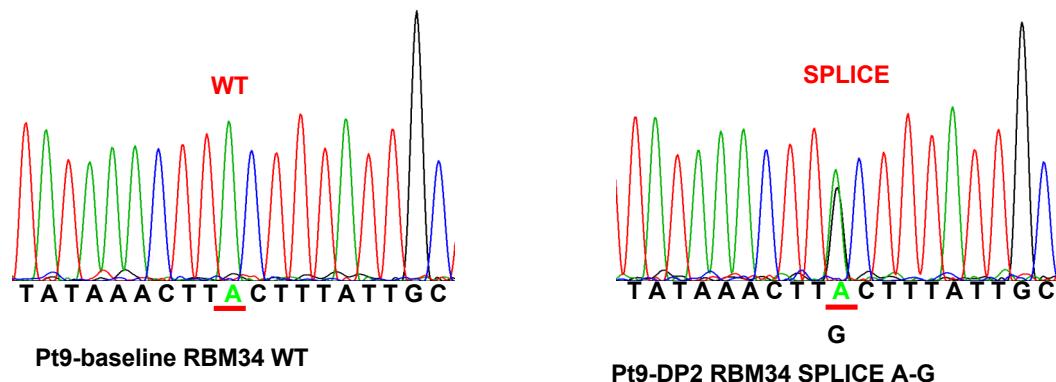
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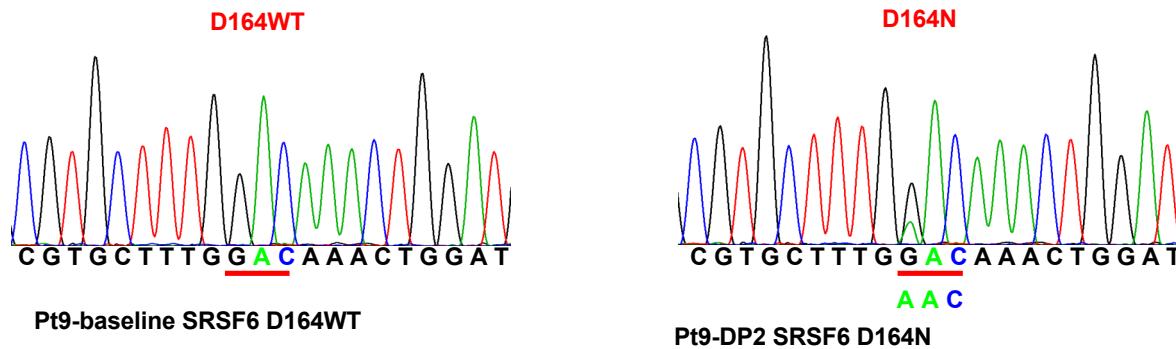
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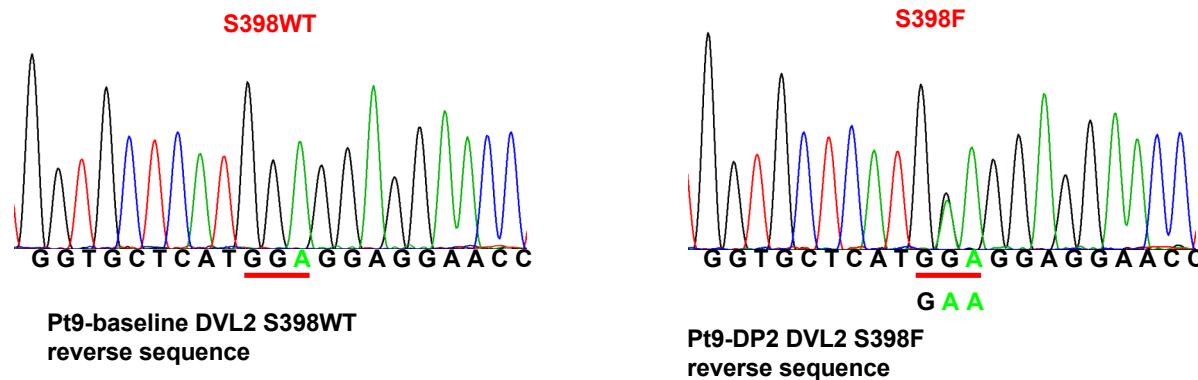
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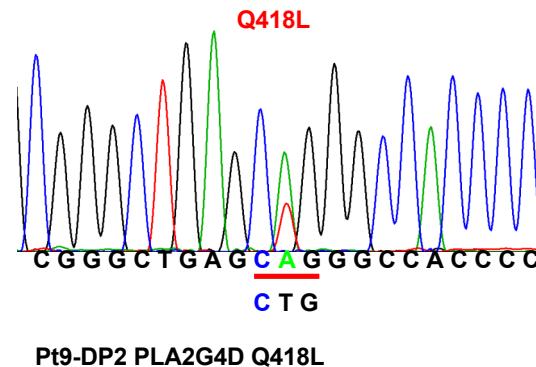
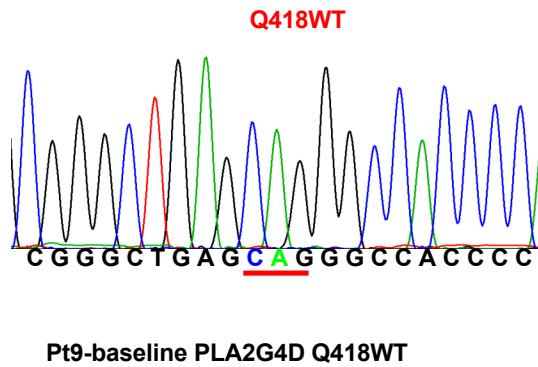
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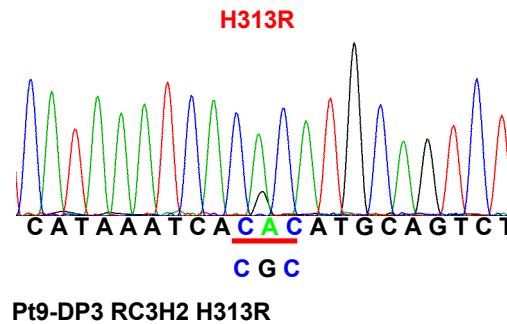
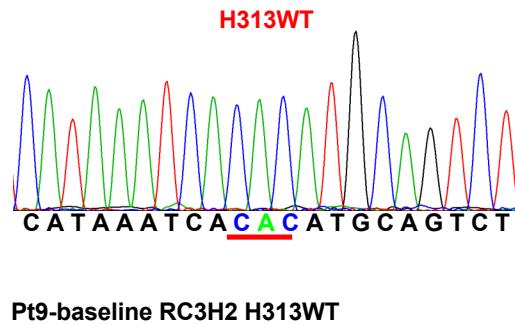
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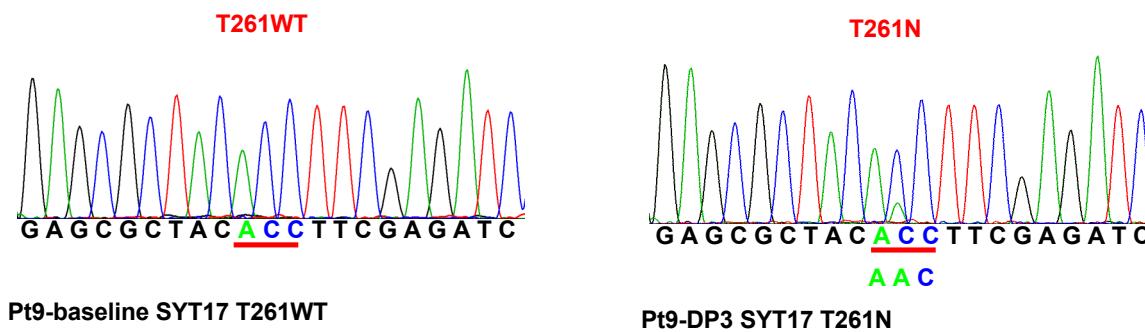
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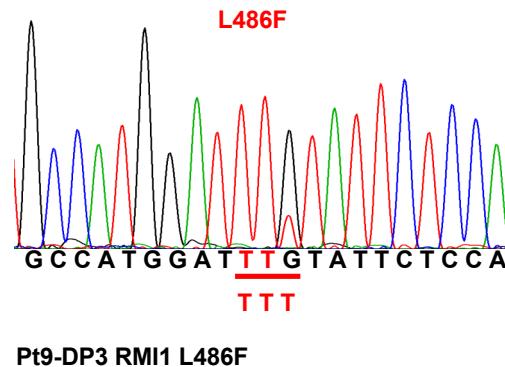
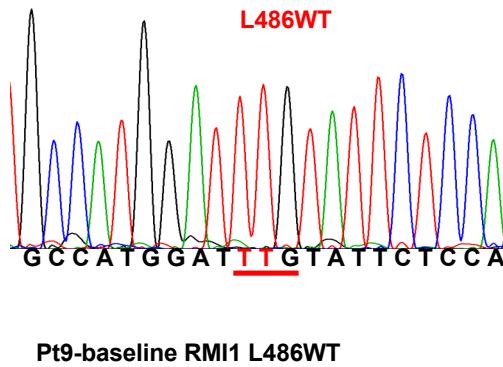
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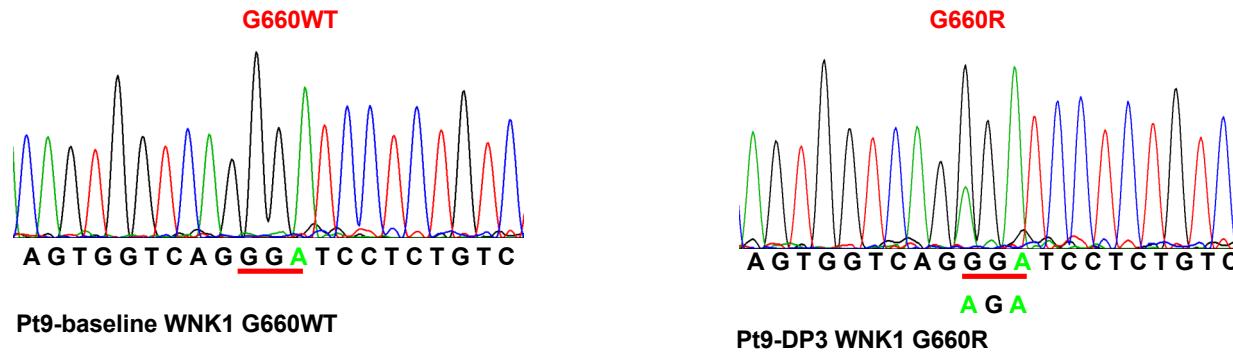
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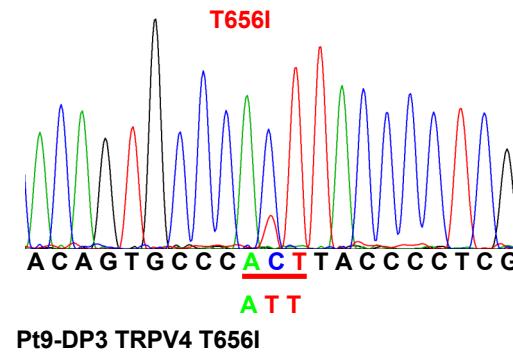
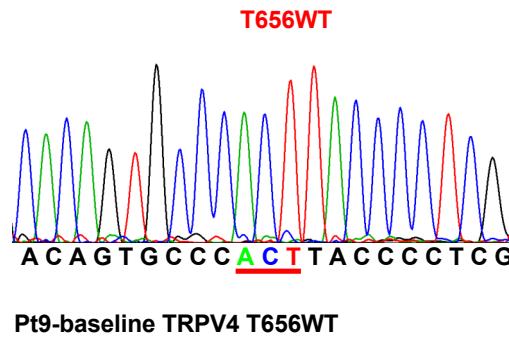
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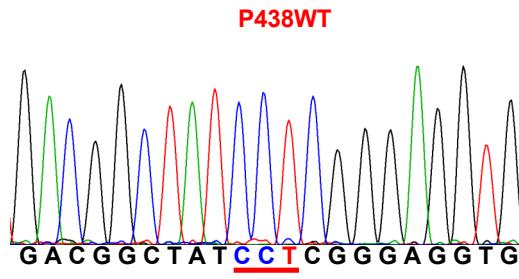
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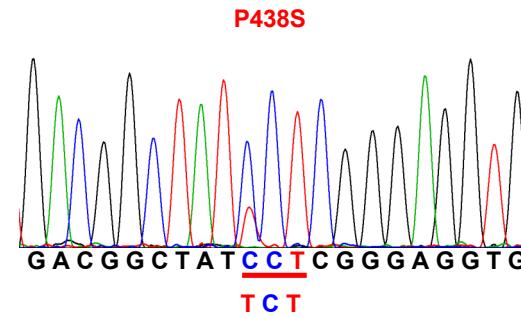
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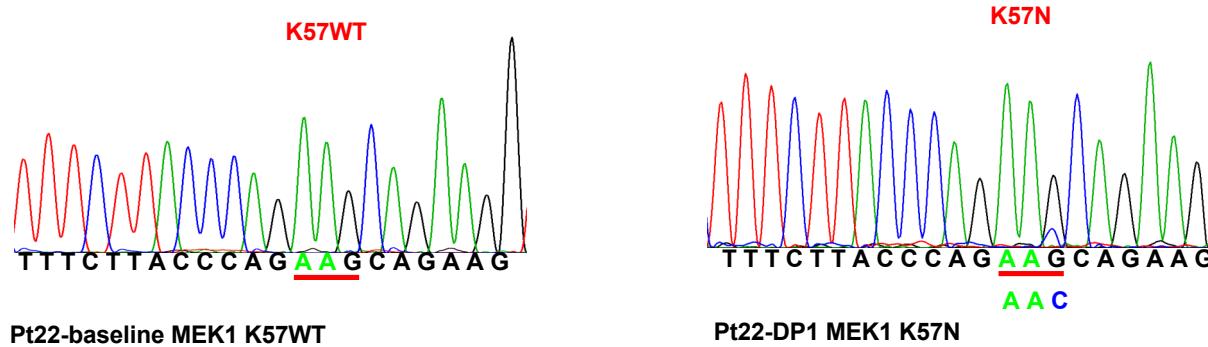


Pt9-baseline AK5 P438WT

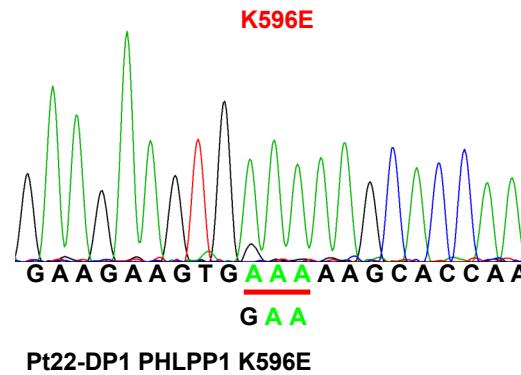
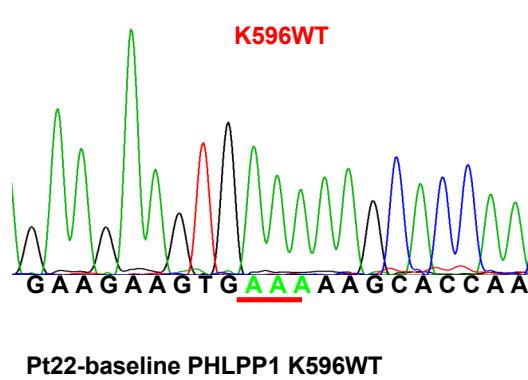


Pt9-DP3 AK5 P438S

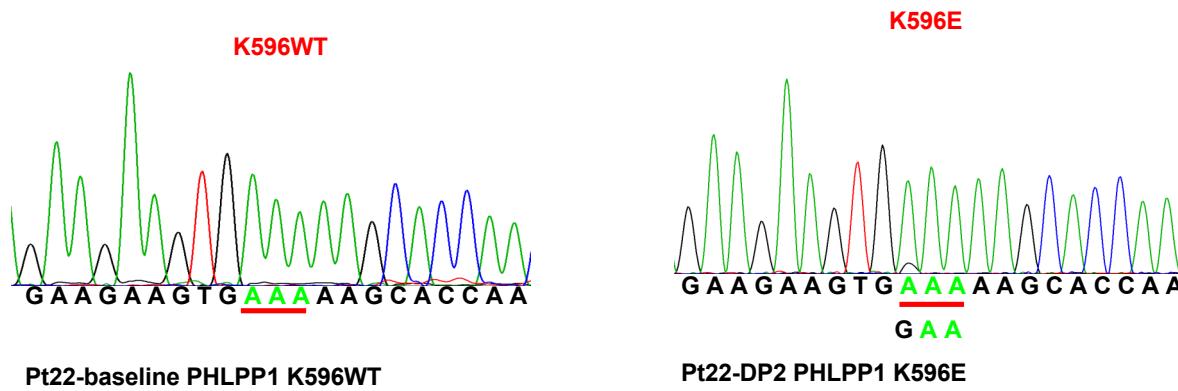
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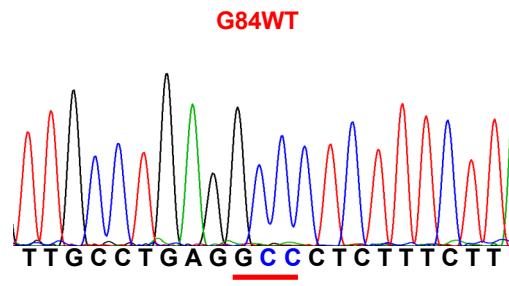
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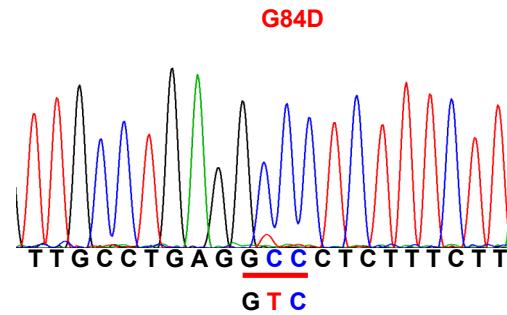
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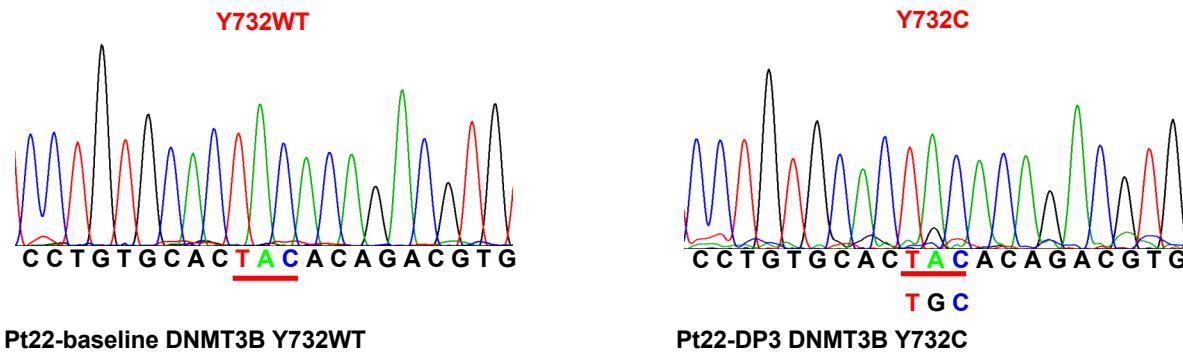


Pt22-baseline SMYD3 G84WT  
reverse sequence

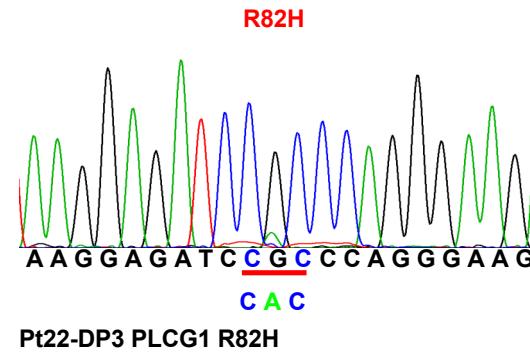
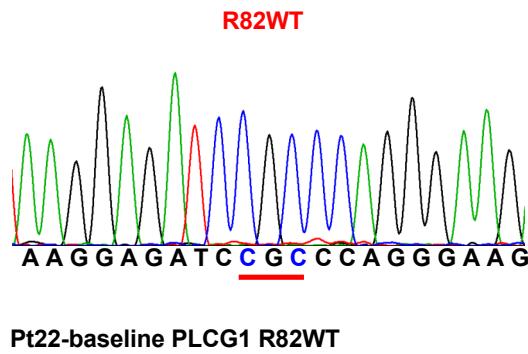


Pt22-DP2 SMYD3 G84D  
reverse sequence

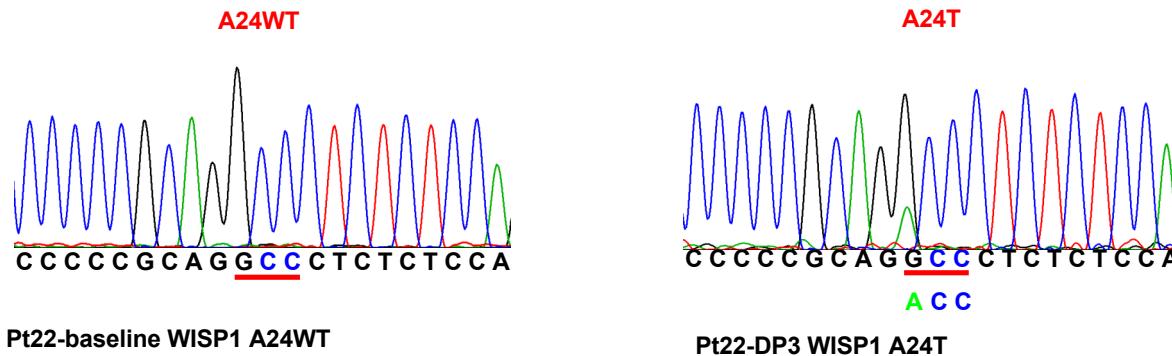
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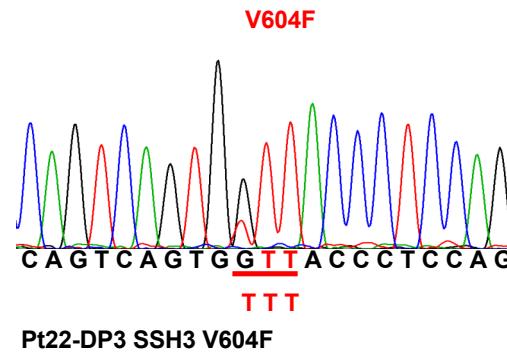
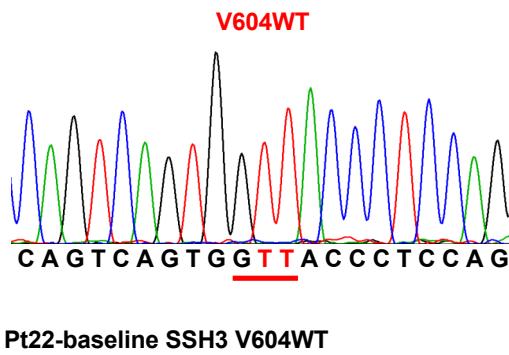
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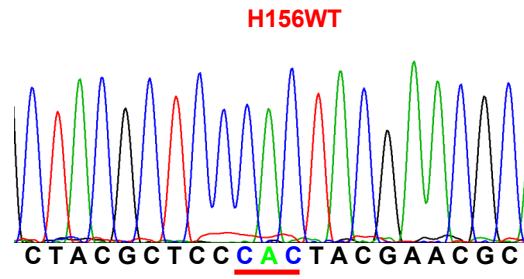
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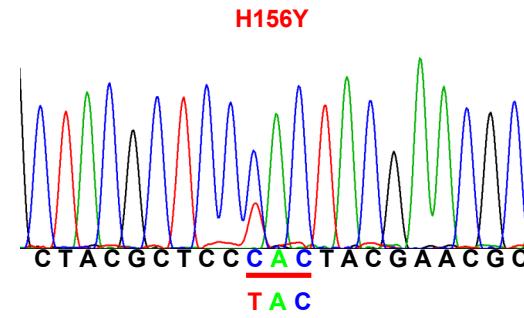
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Slide 100

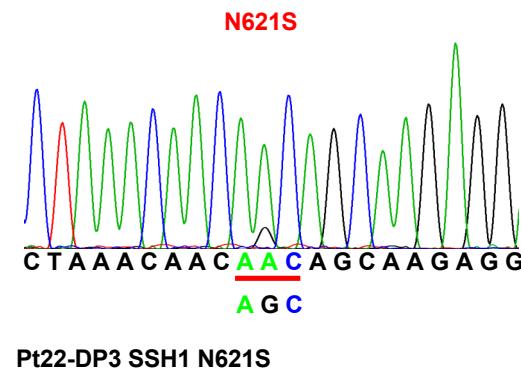
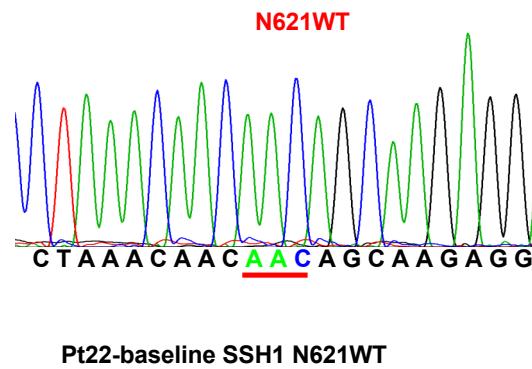


Pt22-baseline KDM5C H156WT

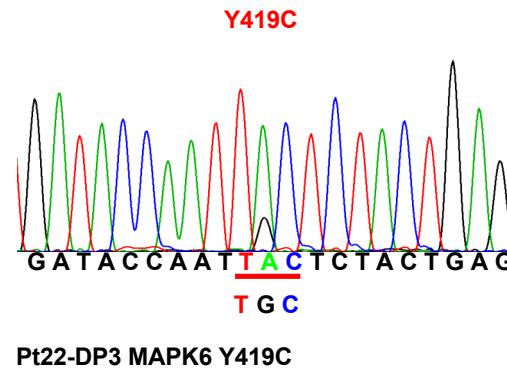
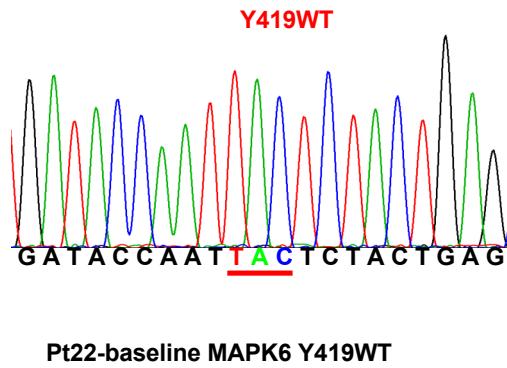


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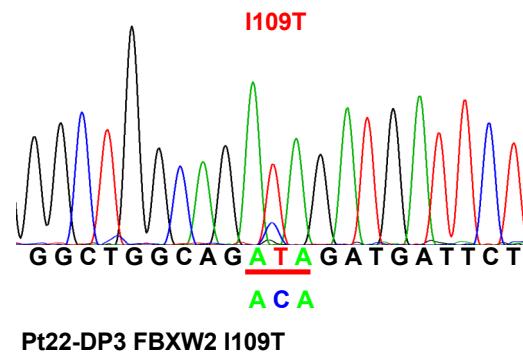
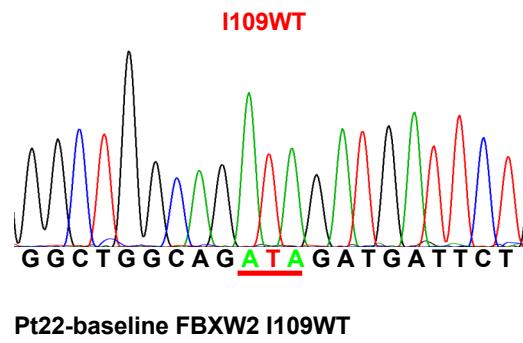
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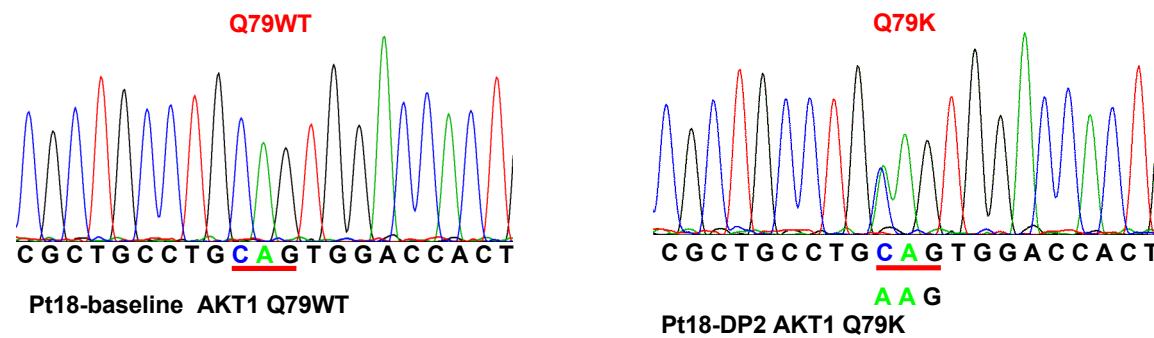
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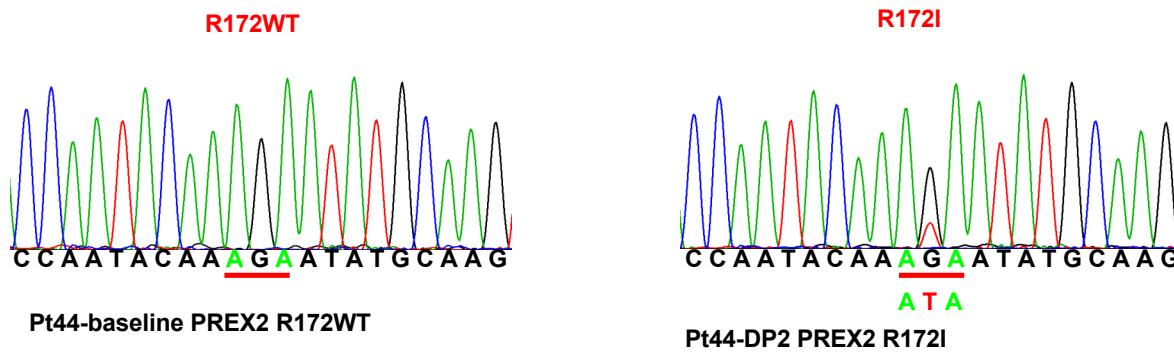
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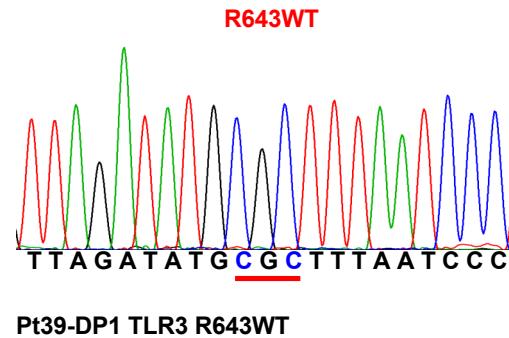
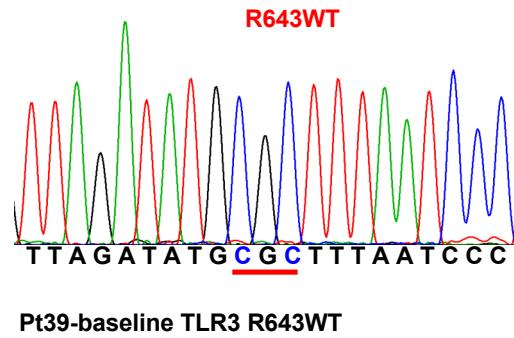
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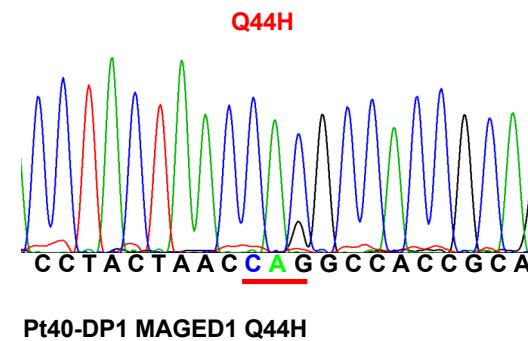
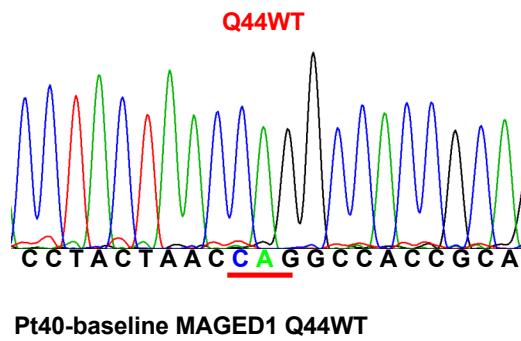
Slide 105



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