

Analysis of Mutations in Codon 12 and 13 of KRAS.

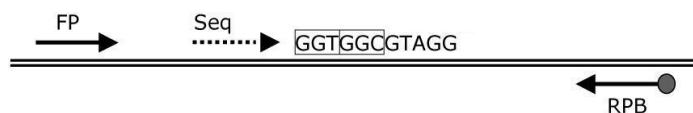
KRAS Example run

NOTE: This KRAS Codon 12 and 13 report is intended to be used only in combination with the dedicated KRAS Pyro Kits indicated for use with the KRAS Codon 12 and 13 for applications described in the respective KRAS Pyro Kit handbooks.

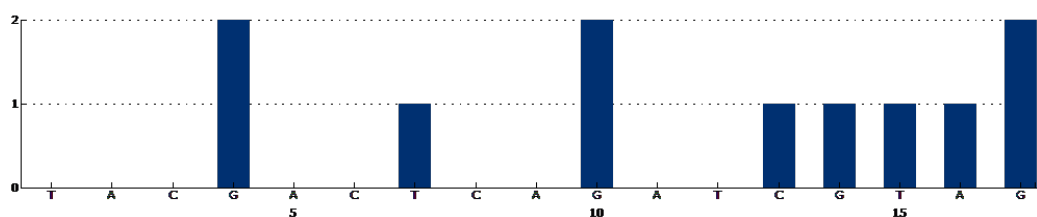
Run Info

Run Name	KRAS Example run
Operator	QIAGEN
Run Date/Time	2010-04-08 14:57:59
Instrument Method	PyroMark Q24 Method 003
Plate ID	KRAS Example run

Assay Setup



Theoretical Histogram of Wild Type



Summary

NOTE: Only the mutation with the highest frequency is reported.

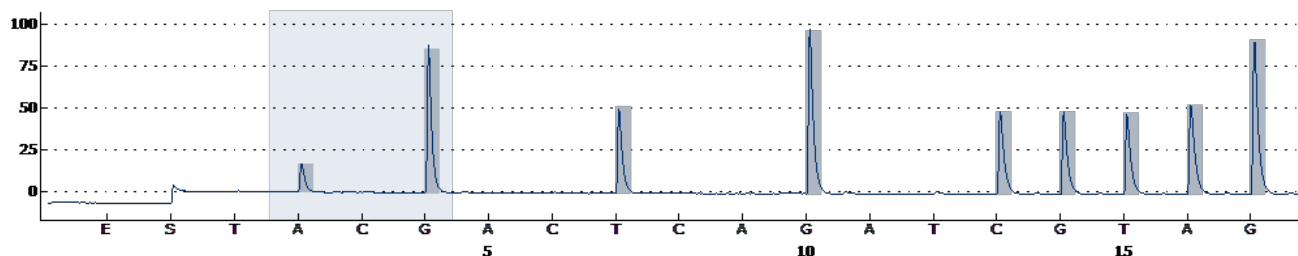
Well	Sample ID	Result	Frequency [% units]	Nucleotide Substitution	Amino Acid Substitution	Info
A1	106506B1	Mutation	28.8	GGT>AGT	G12S	
A2	1090814B	Wildtype				
A3	110456B2	Potential low level mutation	2.3	GGT>AGT	G12S	⚠
A4	110457B2	Wildtype				
A5	110462A2	Wildtype				
A6	110486A2	Mutation	24.9	GGT>GCT	G12A	
A7	111207A2	Mutation	31.6	GGT>GTT	G12V	
A8	111555A2	Mutation	39.7	GGT>GAT	G12D	
B1	111565A2	Mutation	37.5	GGT>GAT	G12D	
B2	111667A2	Mutation	26.7	GGT>GTT	G12V	
B3	111670A2	Wildtype				
B4	111672A2	Mutation	21.1	GGT>GTT	G12V	
B5	112307A2	Wildtype				
B6	113070A2	Wildtype				
B7	113188A1	Mutation	55.1	GGT>TGT	G12C	
B8	113200A1	Wildtype				
C1	114466A2	Wildtype				
C2	115155B2	Wildtype				
C3	117281A2	Wildtype				
C4	117314A2	Wildtype				
C5	117375A2	Mutation	22.1	GGT>GCT	G12A	
C6	117378C2	Wildtype				
C7	117465A2	Wildtype				
C8	117506A2	Wildtype				

⚠ See detailed results for further explanation.

Detailed Results

Well: A1

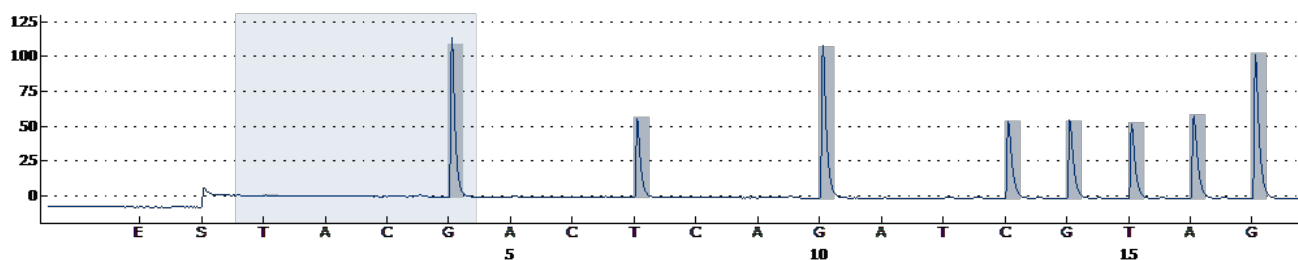
Assay: KRAS 12+13
Sample ID: 106506B1
Note: 1



Result	Mutation
Frequency	28.8 % units (LOD: 1.9 % units)
Nucleotide Substitution	GGT>AGT
Amino Acid Substitution	G12S
Quality	Passed

Well: A2

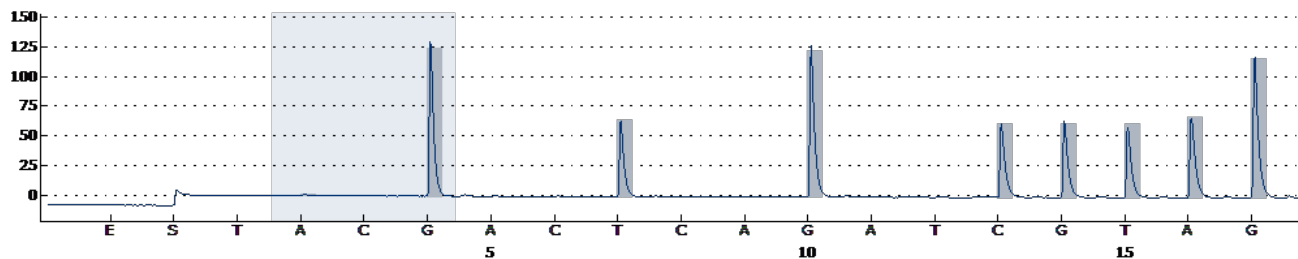
Assay: KRAS 12+13
Sample ID: 1090814B
Note: 6



Result	WildType
Quality	Passed

Well: A3

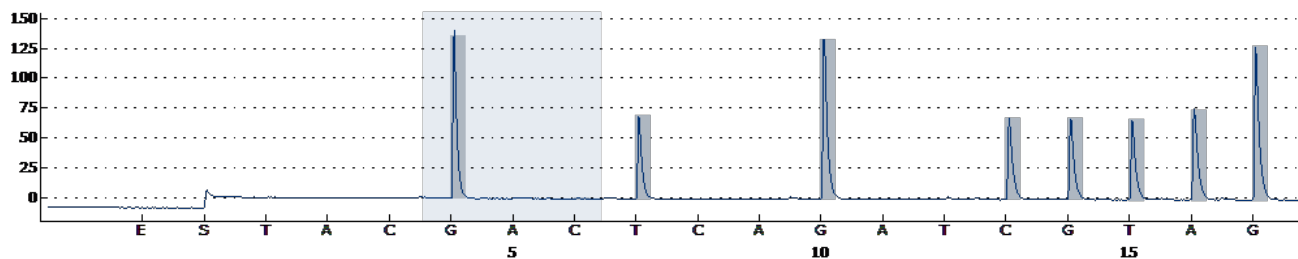
Assay: KRAS 12+13
Sample ID: 110456B2
Note: 7



Result	Potential low level mutation
Frequency	2.3 % units (LOD: 1.9 % units)
Nucleotide Substitution	GGT>AGT
Amino Acid Substitution	G12S
Quality	Check
Warnings	Only judge as mutation if verified in duplicate and if different from WT control. Otherwise judge as wildtype.

Well: A4

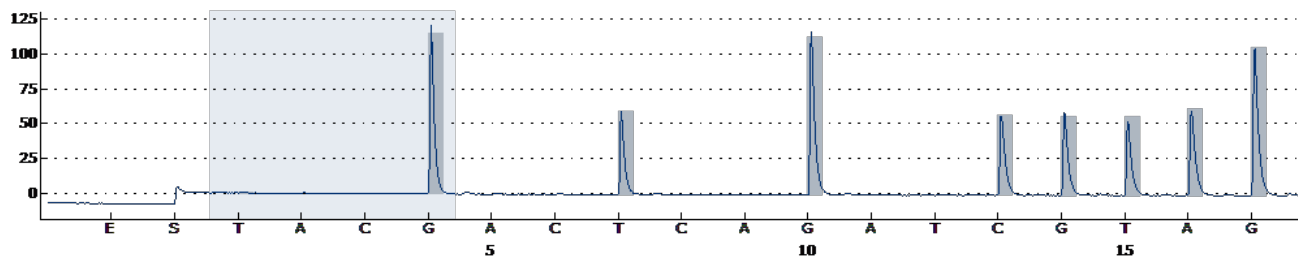
Assay: KRAS 12+13
Sample ID: 110457B2
Note: 8



Result	WildType
Quality	Passed

Well: A5

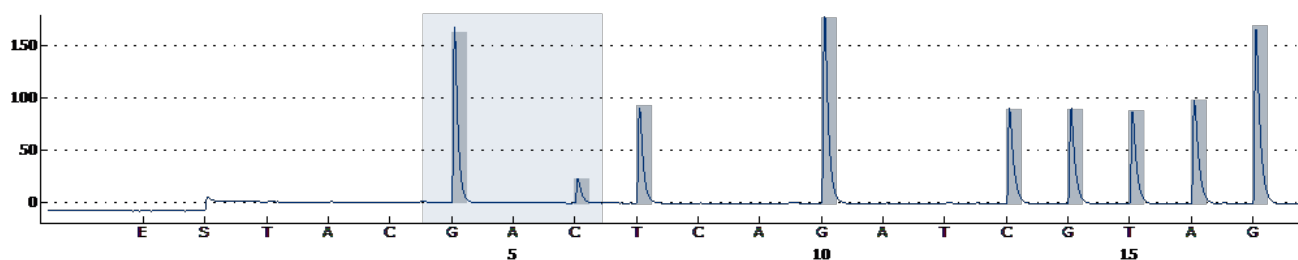
Assay: KRAS 12+13
Sample ID: 110462A2
Note: 9



Result	WildType
Quality	Passed

Well: A6

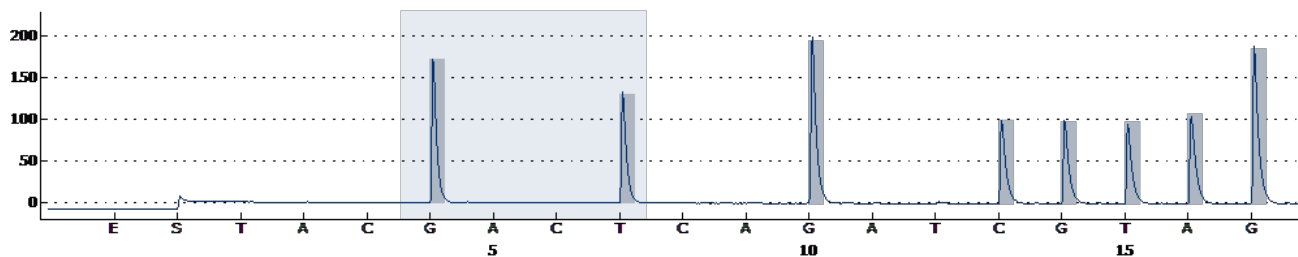
Assay: KRAS 12+13
Sample ID: 110486A2
Note: 10



Result	Mutation
Frequency	24.9 % units (LOD: 2.3 % units)
Nucleotide Substitution	GGT>GCT
Amino Acid Substitution	G12A
Quality	Passed

Well: A7

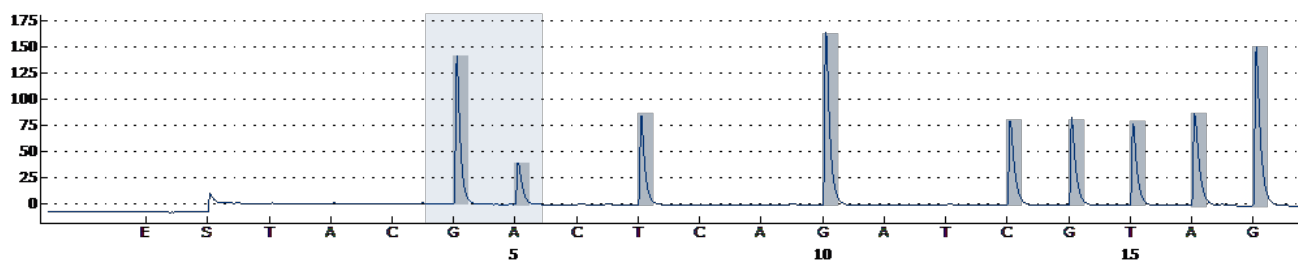
Assay: KRAS 12+13
Sample ID: 111207A2
Note: 11



Result	Mutation
Frequency	31.6 % units (LOD: 8.0 % units)
Nucleotide Substitution	GGT>GTT
Amino Acid Substitution	G12V
Quality	Passed

Well: A8

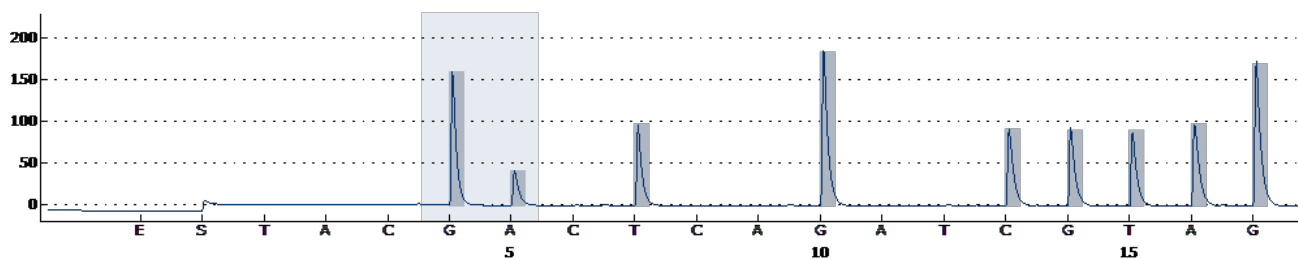
Assay: KRAS 12+13
Sample ID: 111555A2
Note: 12



Result	Mutation
Frequency	39.7 % units (LOD: 2.2 % units)
Nucleotide Substitution	GGT>GAT
Amino Acid Substitution	G12D
Quality	Passed

Well: B1

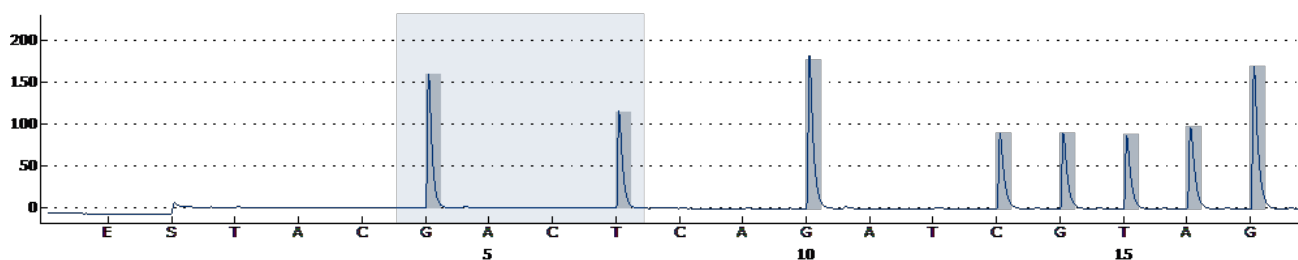
Assay: KRAS 12+13
Sample ID: 111565A2
Note: 13



Result	Mutation
Frequency	37.5 % units (LOD: 2.2 % units)
Nucleotide Substitution	GGT>GAT
Amino Acid Substitution	G12D
Quality	Passed

Well: B2

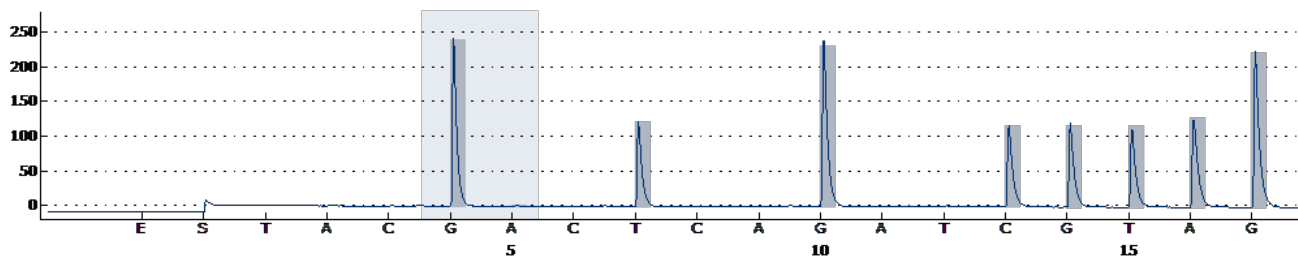
Assay: KRAS 12+13
Sample ID: 111667A2
Note: 14



Result	Mutation
Frequency	26.7 % units (LOD: 8.0 % units)
Nucleotide Substitution	GGT>GTT
Amino Acid Substitution	G12V
Quality	Passed

Well: B3

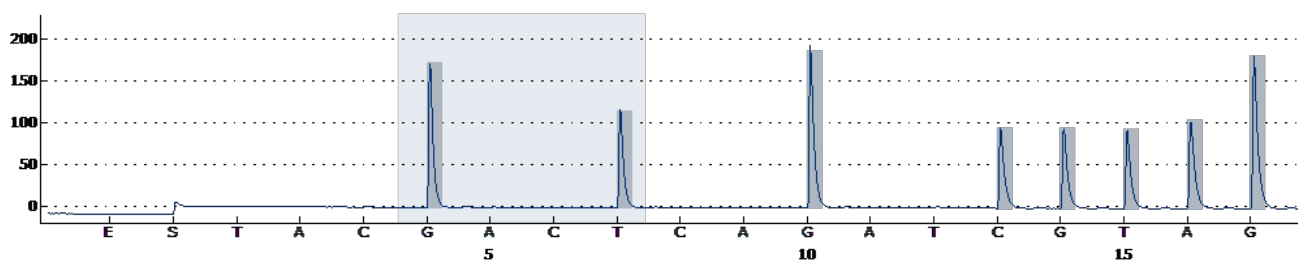
Assay: KRAS 12+13
Sample ID: 111670A2
Note: 15



Result	WildType
Quality	Passed

Well: B4

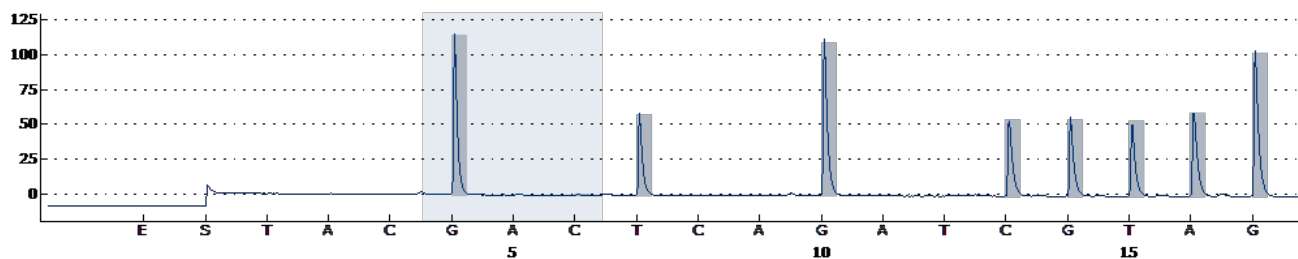
Assay: KRAS 12+13
Sample ID: 111672A2
Note: 16



Result	Mutation
Frequency	21.1 % units (LOD: 8.0 % units)
Nucleotide Substitution	GGT>GTT
Amino Acid Substitution	G12V
Quality	Passed

Well: B5

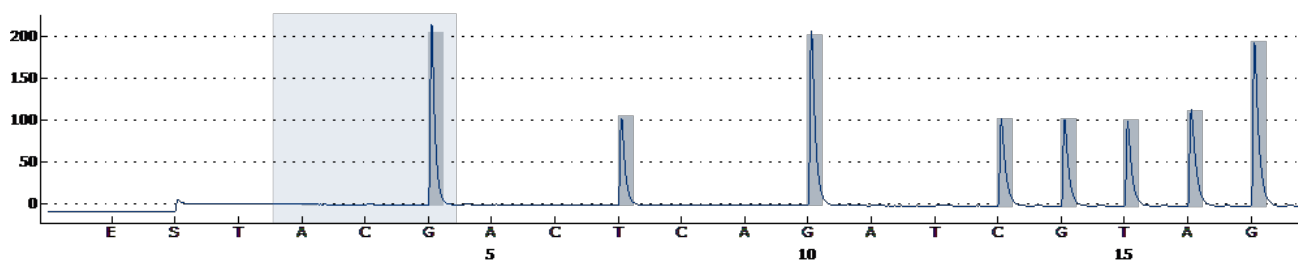
Assay: KRAS 12+13
Sample ID: 112307A2
Note: 17



Result	WildType
Quality	Passed

Well: B6

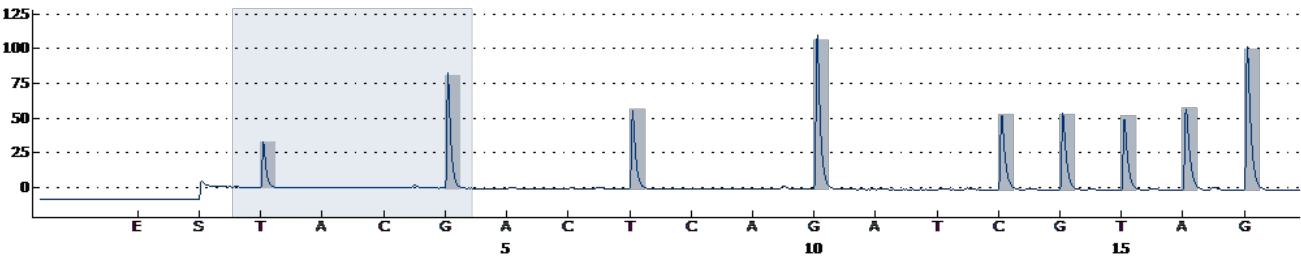
Assay: KRAS 12+13
Sample ID: 113070A2
Note: 18



Result	WildType
Quality	Passed

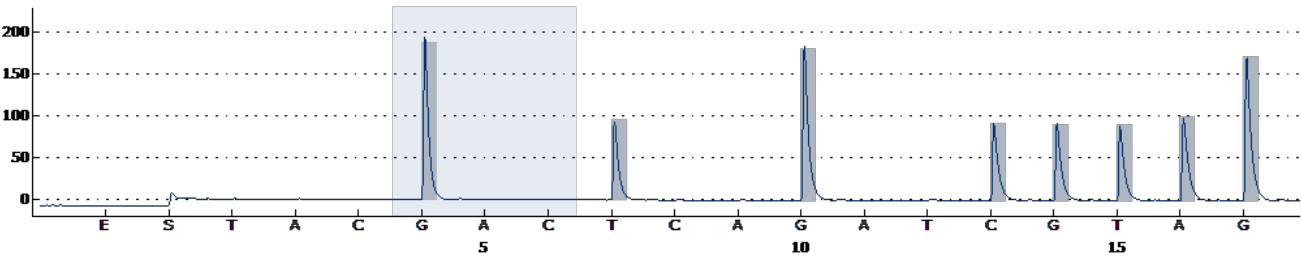


Well: B7
Assay: KRAS 12+13
Sample ID: 113188A1
Note: 19



Result	Mutation
Frequency	55.1 % units (LOD: 2.1 % units)
Nucleotide Substitution	GGT>TGT
Amino Acid Substitution	G12C
Quality	Passed

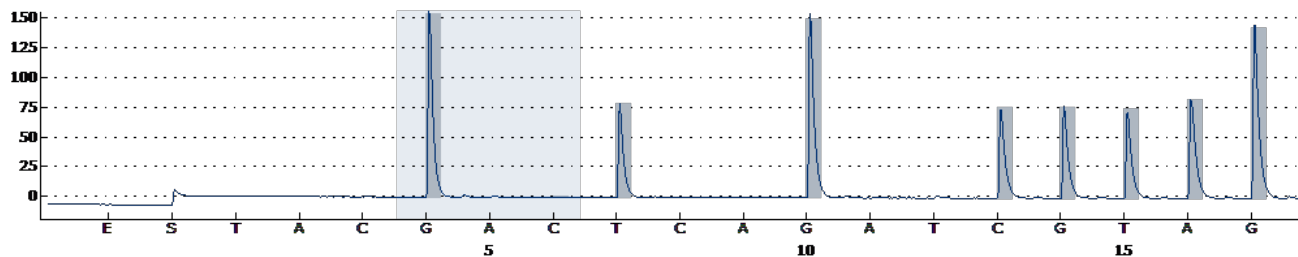
Well: B8
Assay: KRAS 12+13
Sample ID: 113200A1
Note: 20



Result	WildType
Quality	Passed

Well: C1

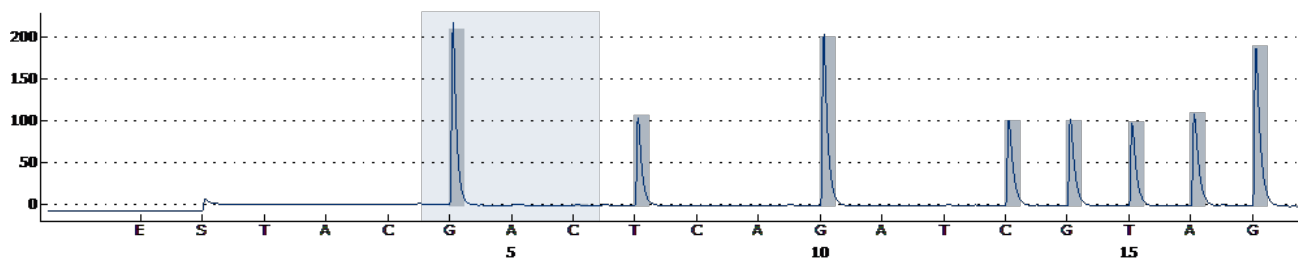
Assay: KRAS 12+13
Sample ID: 114466A2
Note: 21



Result	WildType
Quality	Passed

Well: C2

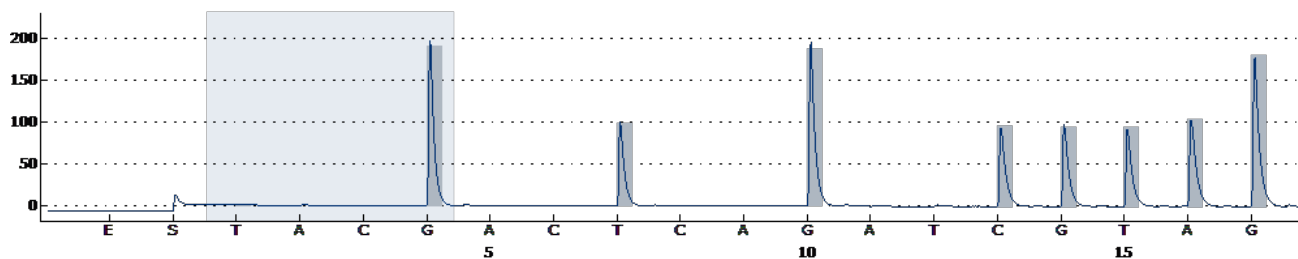
Assay: KRAS 12+13
Sample ID: 115155B2
Note: 22



Result	WildType
Quality	Passed

Well: C3

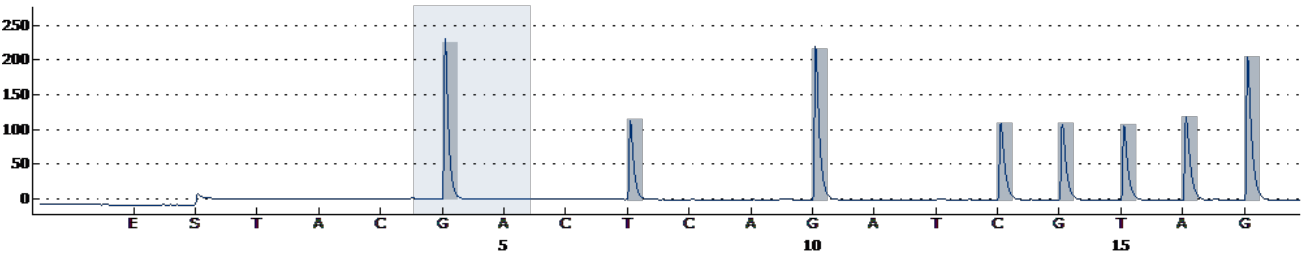
Assay: KRAS 12+13
Sample ID: 117281A2
Note: 23



Result	WildType
Quality	Passed

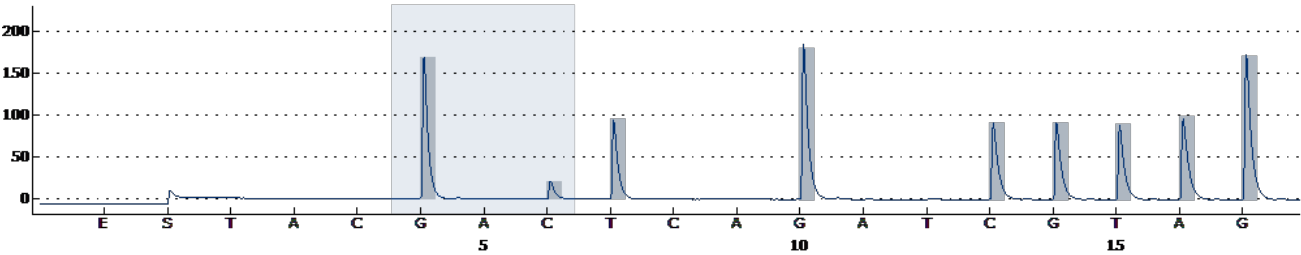


Well: C4
Assay: KRAS 12+13
Sample ID: 117314A2
Note: 24



Result	WildType
Quality	Passed

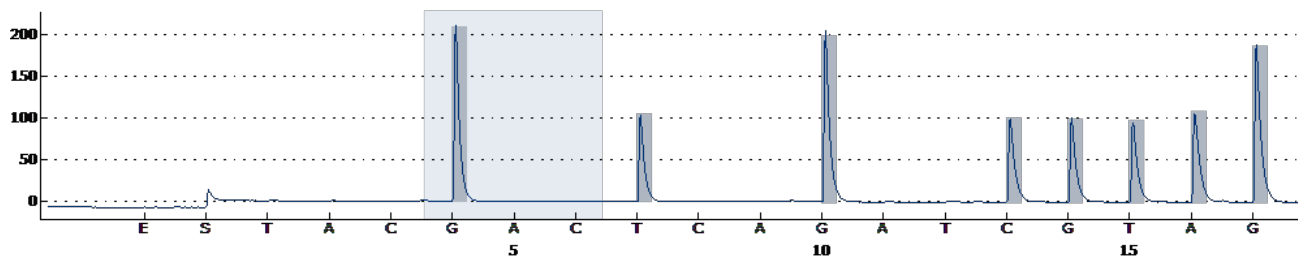
Well: C5
Assay: KRAS 12+13
Sample ID: 117375A2
Note: 25



Result	Mutation
Frequency	22.1 % units (LOD: 2.3 % units)
Nucleotide Substitution	GGT>GCT
Amino Acid Substitution	G12A
Quality	Passed

Well: C6

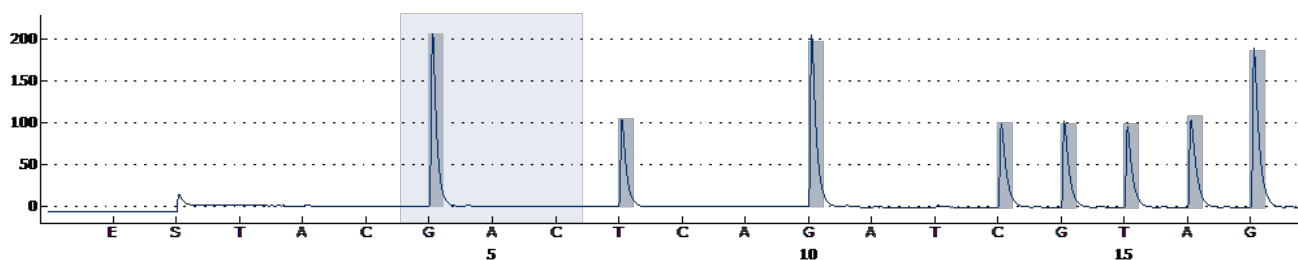
Assay: KRAS 12+13
Sample ID: 117378C2
Note: 26



Result	WildType
Quality	Passed

Well: C7

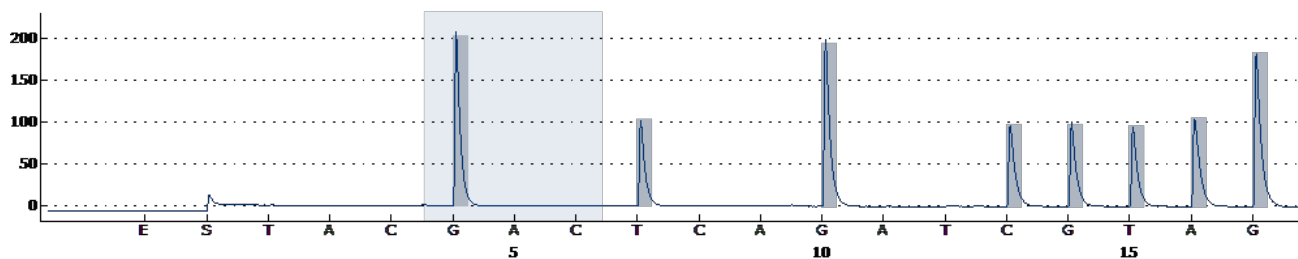
Assay: KRAS 12+13
Sample ID: 117465A2
Note: 27



Result	WildType
Quality	Passed

Well: C8

Assay: KRAS 12+13
Sample ID: 117506A2
Note: 28



Result	WildType
Quality	Passed