

Supplementary File 2
Allele-Specific Expression - Pyrosequencing Data

**Germline and Somatic Imprinting in the Non-Human Primate Uncovers
Primate-Specific Acquisition**

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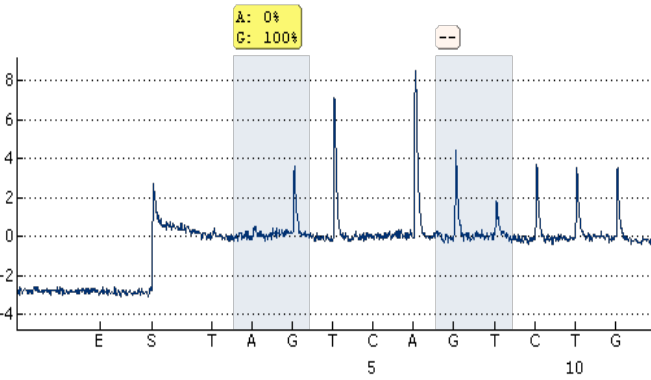
²Department of Genetics, University of Cambridge, Downing Street, Cambridge CB2 3EH, UK

• Present affiliations; KC: Crown Bioscience Inc., 3375 Scott Blvd., Suite 108, Santa Clara, CA 95054 ; SN: Health Sciences Authority, 3 Biopolis Drive, Synapse, Singapore 138623; SBC: Syngenta APAC Pte Ltd, 50 Science Park Road, #06-01, The Kendall, Singapore 117406

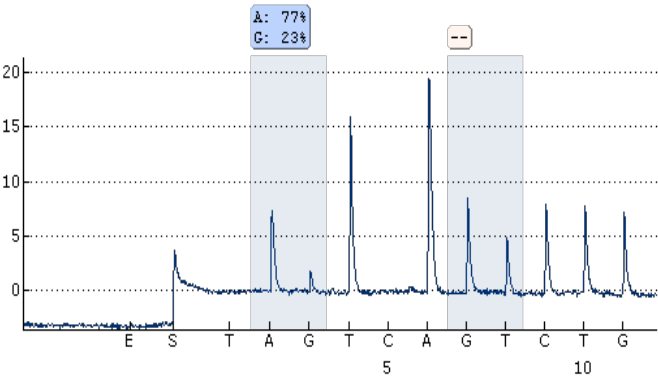
PLAGL1
Allele Specific Expression - cDNA
Qiagen Pyrosequencing

PLAGL1: Liver

Well: B1
Assay: Rhesus_PLAGL1-V2
Sample ID: F6_L
Sequence to analyze: TTAAKCTGTCTGGGGCAGCAGCAGCAAGAA

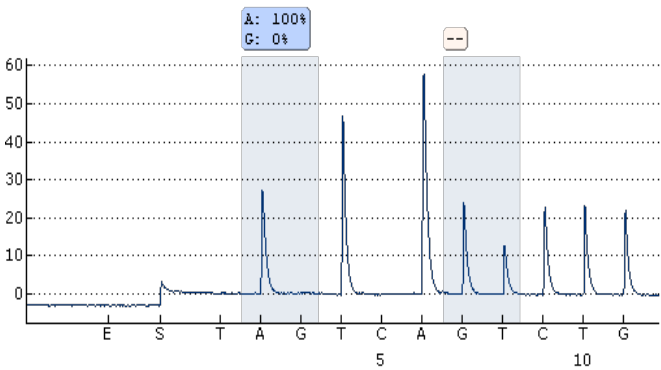


Well: B2
Assay: Rhesus_PLAGL1-V2
Sample ID: M2_L
Sequence to analyze: RTTAAKCTGTCTGGGGCAGCAGCAGCAAGAA

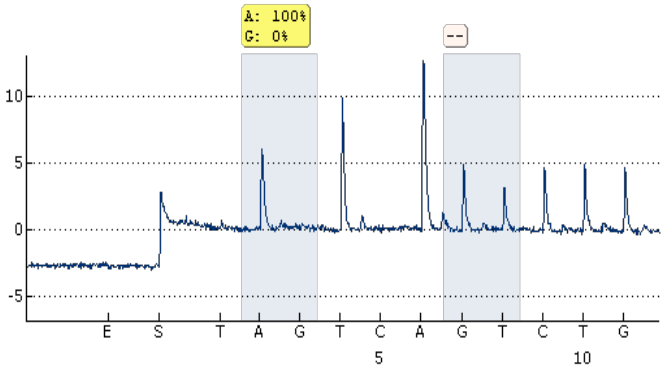


PLAGL1: Kidney

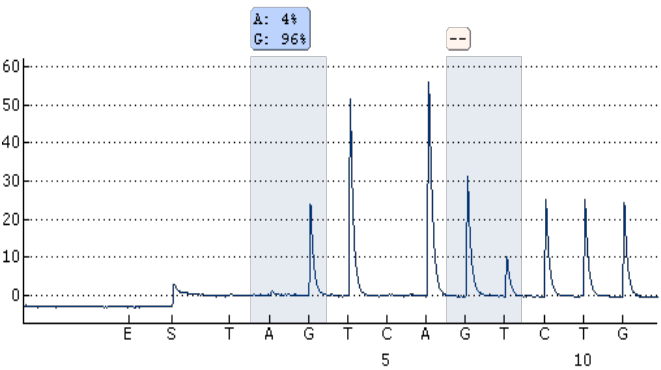
Well: B3
Assay: Rhesus_PLAGL1-V2
Sample ID: F4_K
Sequence to analyze: RTTAAKCTGTCTGGGGCAGCAGCAGCAAGAA



Well: B5
Assay: Rhesus_PLAGL1-V2
Sample ID: M2_K
Sequence to analyze: RTTAAKCTGTCTGGGGCAGCAGCAGCAAGAA

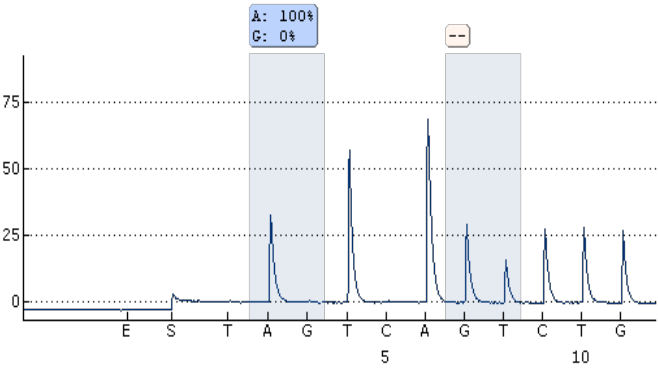


Well: B4
Assay: Rhesus_PLAGL1-V2
Sample ID: F6_K
Sequence to analyze: RTTAAKCTGTCTGGGGCAGCAGCAGCAAGAA

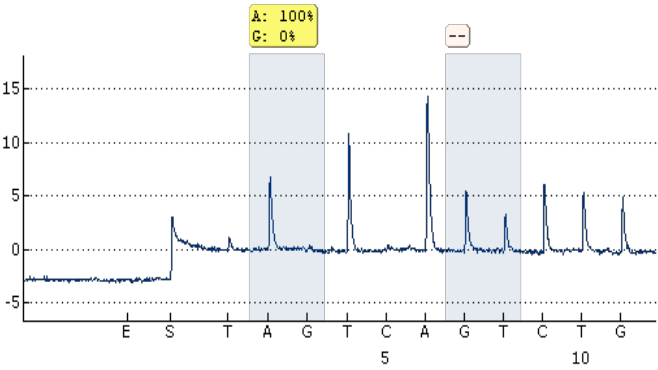


PLAGL1: Pancreas

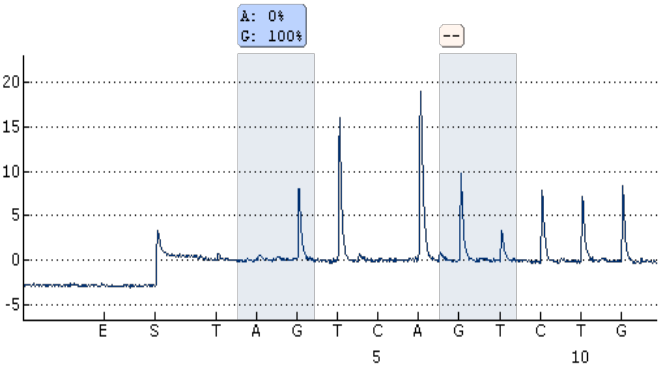
Well: B6
Assay: Rhesus_PLAGL1-V2
Sample ID: F4_P
Sequence to analyze:
RTTAAKCTGTCTGGGGCAGCAGCAGCAAGAA



Well: B8
Assay: Rhesus_PLAGL1-V2
Sample ID: M2_P
Sequence to analyze: RTTAAKCTGTCTGGGGCAGCAGCAGCAAGAA



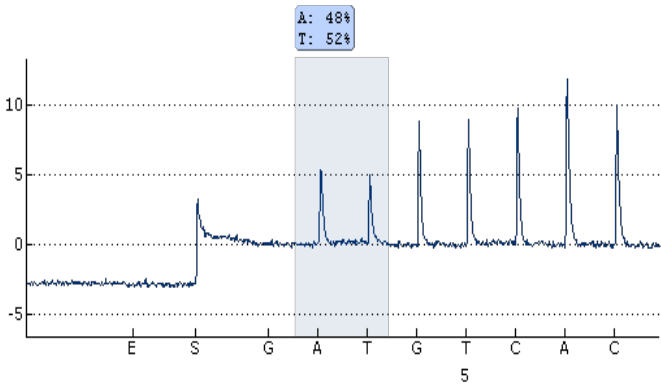
Well: B7
Assay: Rhesus_PLAGL1-V2
Sample ID: F6_P
Sequence to analyze: RTTAAKCTGTCTGGGGCAGCAGCAGCAAGAA



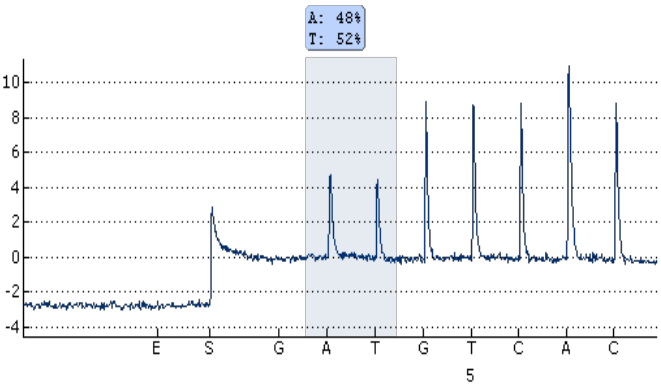
IGF2
Allele Specific Expression - cDNA
Qiagen Pyrosequencing

IGF2: Liver

Well: C8
Assay: IGF2
Sample ID: M1_L
Sequence to analyze: WGT**CACAATTGG**GAGAACCCACATTGG

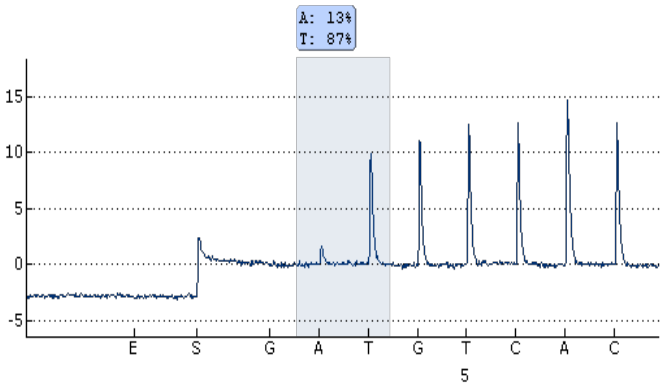


Well: C9
Assay: IGF2
Sample ID: M2_L
Sequence to analyze: WGT**CACAATTGG**GAGAACCCACATTGG

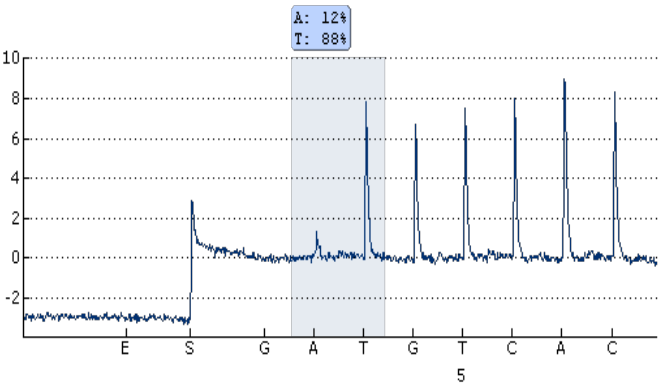


IGF2: Kidney

Well: C12
Assay: IGF2
Sample ID: M1_K
Sequence to analyze: WGTCAACAATTGGAGAACCCACATTGG

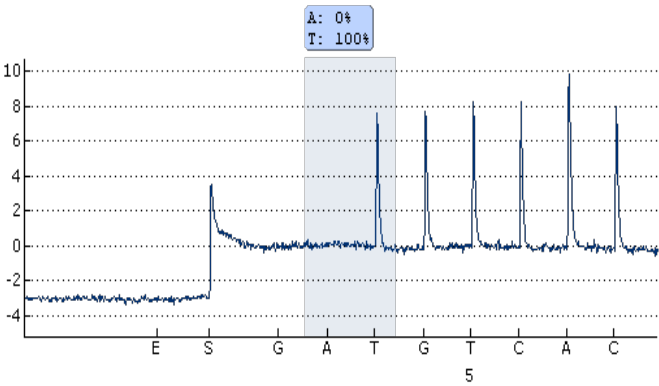


Well: D1
Assay: IGF2
Sample ID: M2_K
Sequence to analyze: WGTCAACAATTGGAGAACCCACATTGG

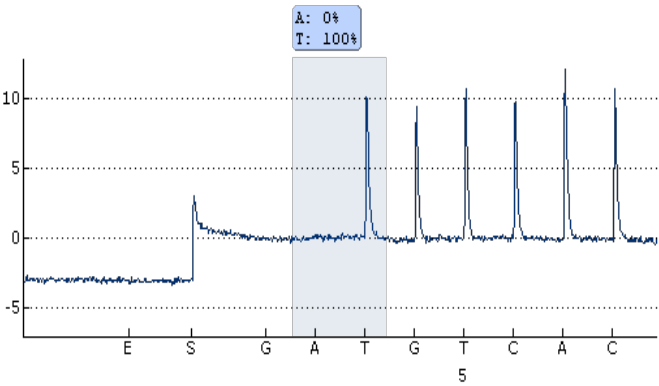


IGF2: Pancreas

Well: D4
Assay: IGF2
Sample ID: M1_P
Sequence to analyze: WGTACAATTGGAGAACCCACATTGG

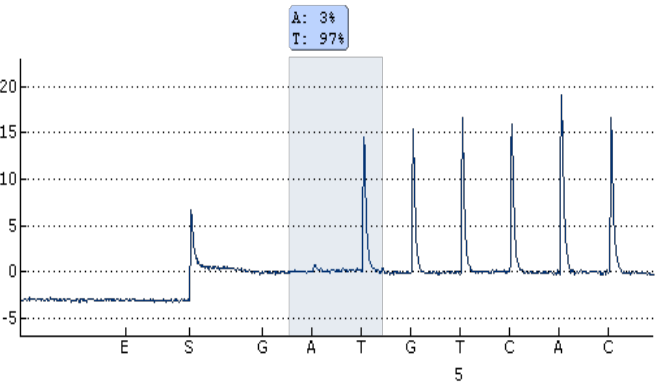


Well: D5
Assay: IGF2
Sample ID: M2_P
Sequence to analyze: WGTACAATTGGAGAACCCACATTGG



IGF2: Testes

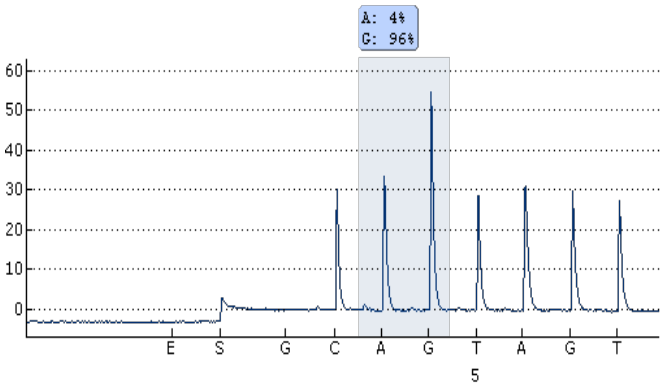
Well: D7
Assay: IGF2
Sample ID: M1_T
Sequence to analyze: WGTACAATTGGAGAACCCACATTGG



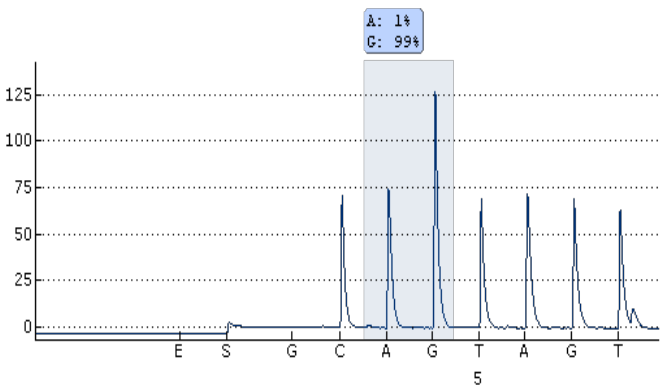
H19
Allele Specific Expression - cDNA
Qiagen Pyrosequencing

H19: Liver

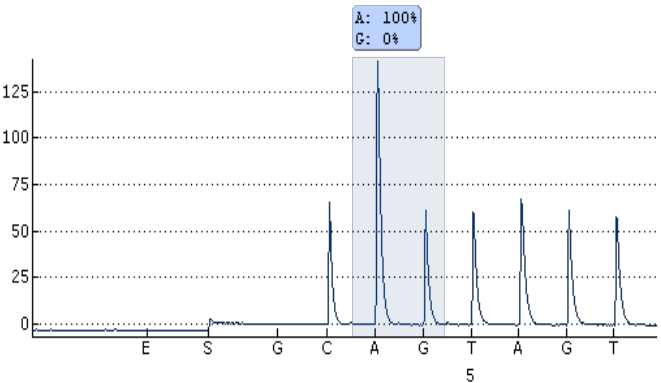
Well: G7
Assay: H19_ASE only
Sample ID: F5_L
Sequence to analyze: CARGTAGTGCAGTGGTTGTAAAGTGCAG



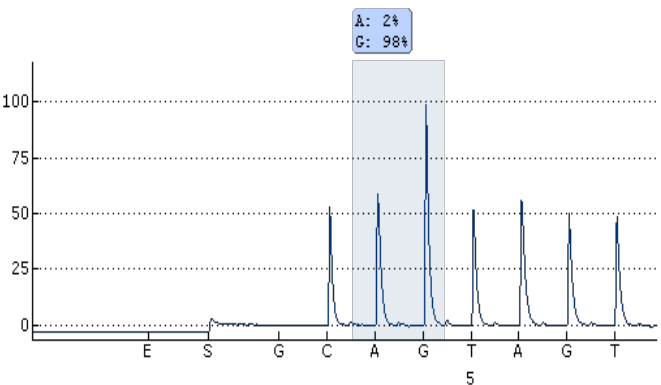
Well: G9
Assay: H19_ASE only
Sample ID: M1_L
Sequence to analyze: CARGTAGTGCAGTGGTTGTAAAGTGCAG



Well: G8
Assay: H19_ASE only
Sample ID: F6_L
Sequence to analyze: CARGTAGTGCAGTGGTTGTAAAGTGCAG

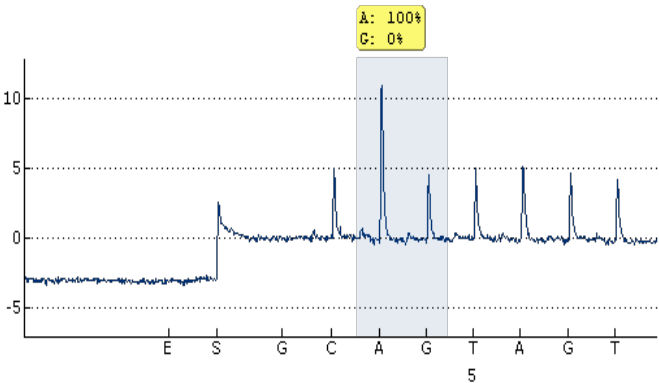


Well: G10
Assay: H19_ASE only
Sample ID: M4_L
Sequence to analyze: CARGTAGTGCAGTGGTTGTAAAGTGCAG

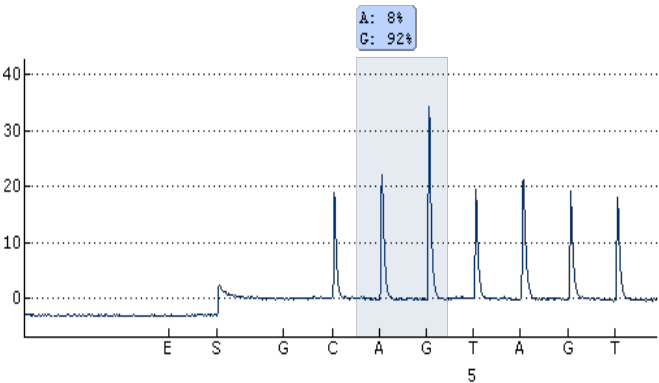


H19: Kidney

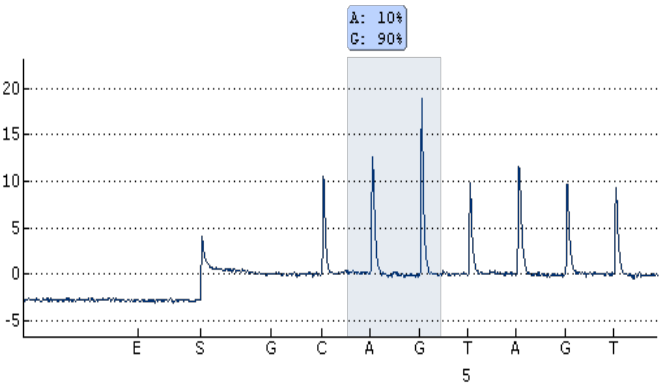
Well: H2
Assay: H19_ASE only
Sample ID: F6_K
Sequence to analyze: CARGTAGTGCAGTGGTTGTAAAGTGCAG



Well: H4
Assay: H19_ASE only
Sample ID: M2_K
Sequence to analyze: CARGTAGTGCAGTGGTTGTAAAGTGCAG

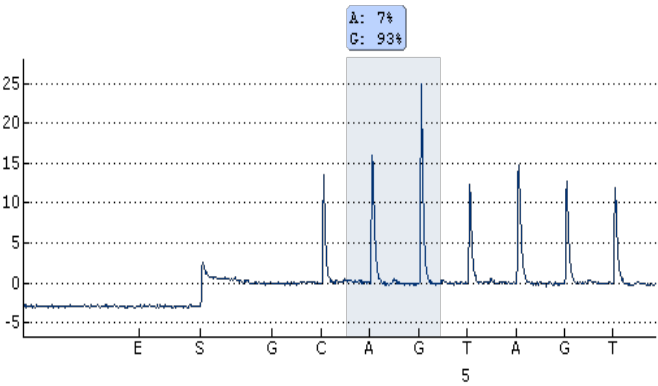


Well: H3
Assay: H19_ASE only
Sample ID: M1_K
Sequence to analyze: CARGTAGTGCAGTGGTTGTAAAGTGCAG

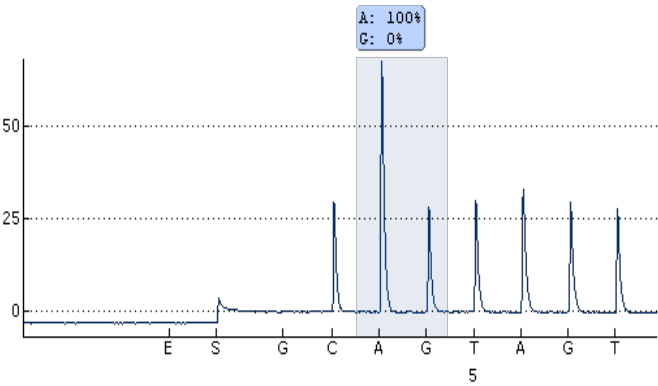


H19: Pancreas

Well: H5
Assay: H19_ASE only
Sample ID: F5_P
Sequence to analyze: CARGTAGTGCAGTGGTTGTAAAGTGCAG

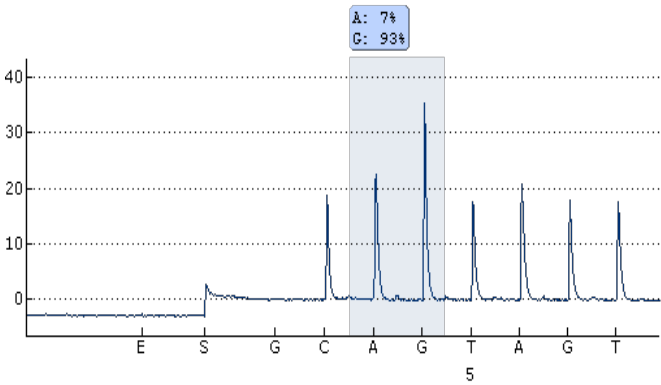


Well: H6
Assay: H19_ASE only
Sample ID: F6_P
Sequence to analyze: CARGTAGTGCAGTGGTTGTAAAGTGCAG



H19: Testes

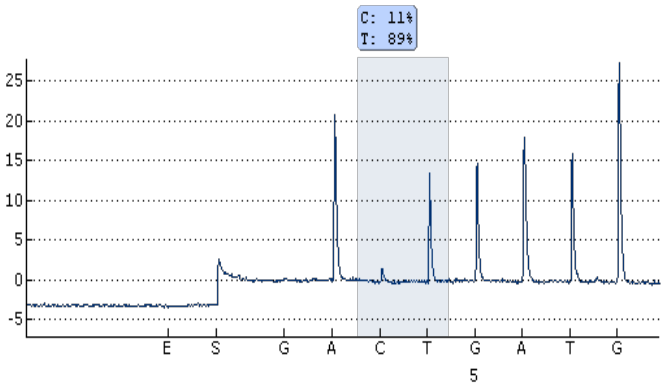
Well: H7
Assay: H19_ASE only
Sample ID: M1_T
Sequence to analyze: CARGTAGTGCAGTGGTTGTAAAGTGCAG



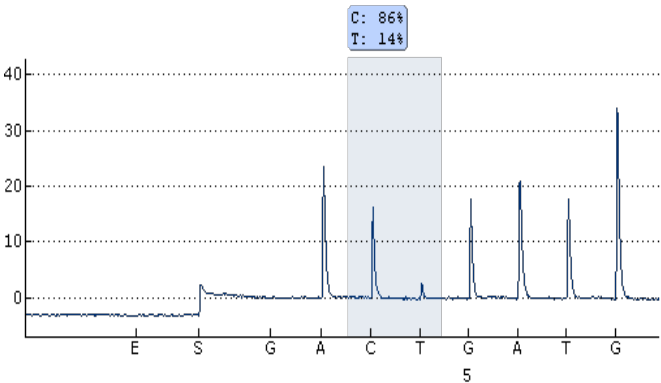
DLK1
Allele Specific Expression - cDNA
Qiagen Pyrosequencing

DLK1: Liver

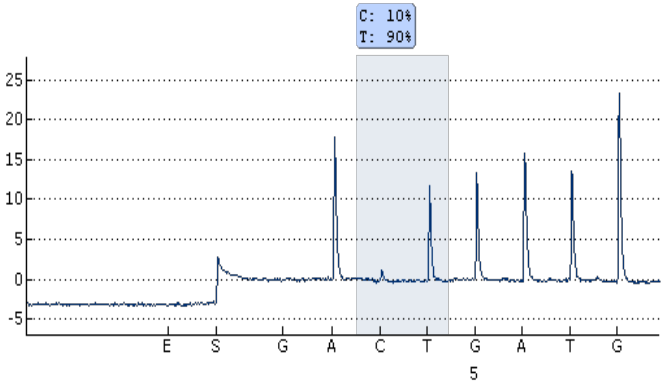
Well: E5
Assay: DLK1_ASE
Sample ID: F4_L
Sequence to analyze: AYGATGGCCTCTATGAATGCTCCTGTG



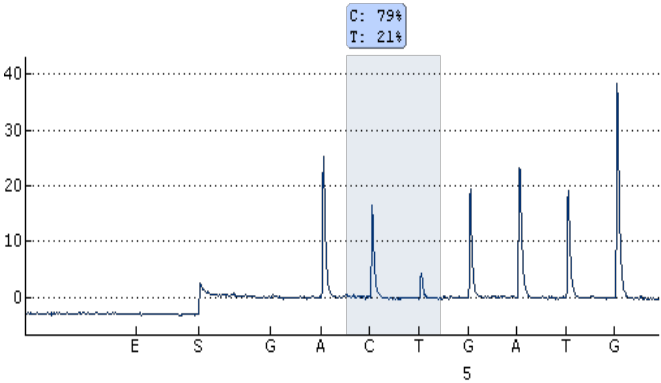
Well: E6
Assay: DLK1_ASE
Sample ID: F5_L
Sequence to analyze: AYGATGGCCTCTATGAATGCTCCTGTG



Well: E7
Assay: DLK1_ASE
Sample ID: M3_L
Sequence to analyze: AYGATGGCCTCTATGAATGCTCCTGTG

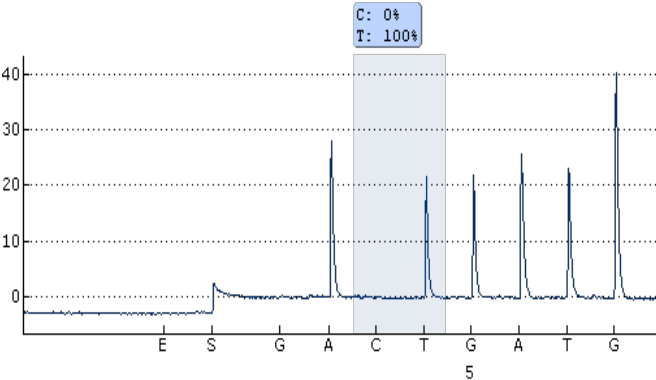


Well: E8
Assay: DLK1_ASE
Sample ID: M4_L
Sequence to analyze: AYGATGGCCTCTATGAATGCTCCTGTG

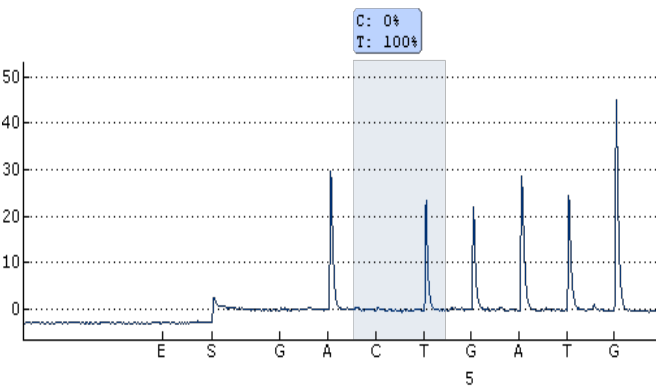


DLK1: Kidney

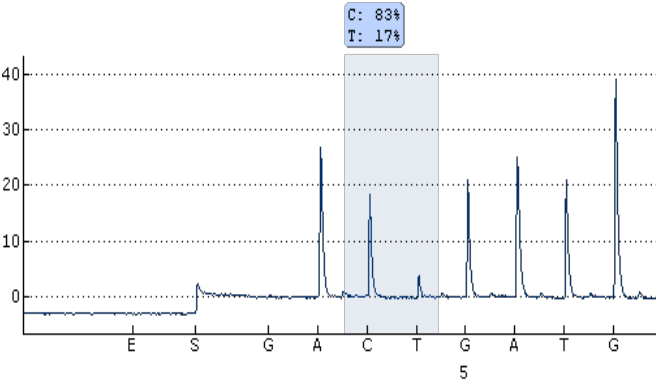
Well: E9
Assay: DLK1_ASE
Sample ID: F4_K
Sequence to analyze: AYGATGGCCTCTATGAATGCTCCTGTG



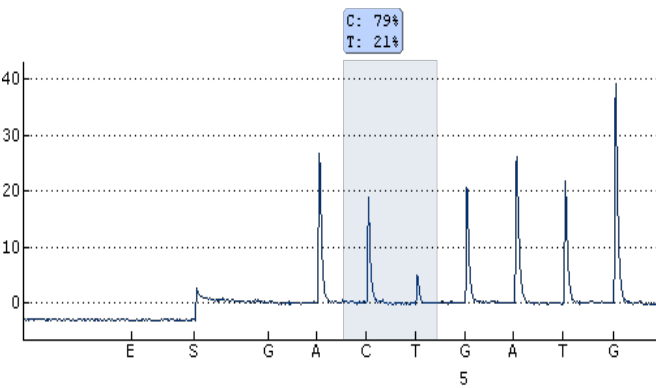
Well: E11
Assay: DLK1_ASE
Sample ID: M3_K
Sequence to analyze: AYGATGGCCTCTATGAATGCTCCTGTG



Well: E10
Assay: DLK1_ASE
Sample ID: F5_K
Sequence to analyze: AYGATGGCCTCTATGAATGCTCCTGTG

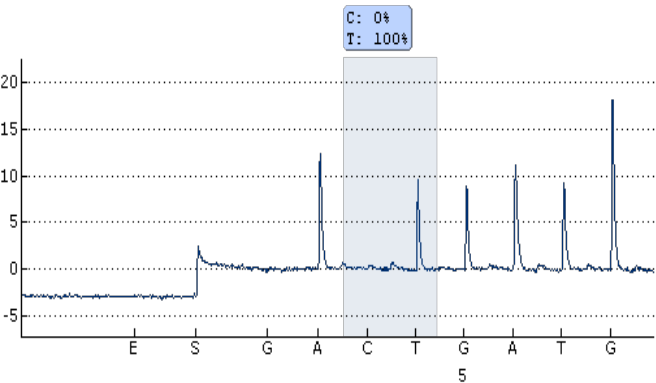


Well: E12
Assay: DLK1_ASE
Sample ID: M4_K
Sequence to analyze: AYGATGGCCTCTATGAATGCTCCTGTG

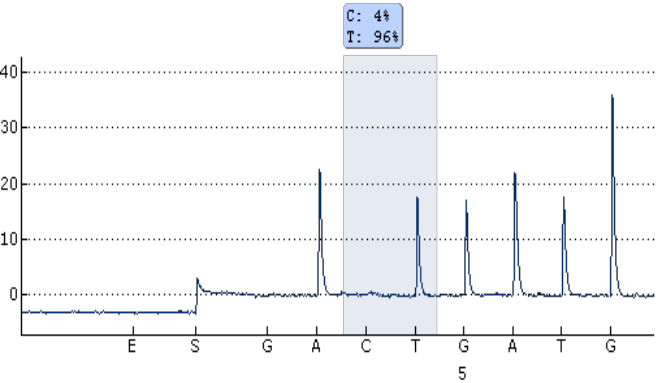


DLK1: Pancreas

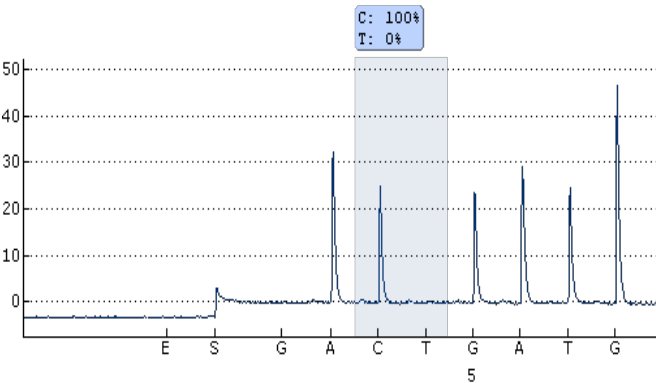
Well: F1
Assay: DLK1_ASE
Sample ID: F4_P
Sequence to analyze: AYGATGGCCTCTATGAATGCTCCTGTG



Well: F3
Assay: DLK1_ASE
Sample ID: M3_P
Sequence to analyze: AYGATGGCCTCTATGAATGCTCCTGTG

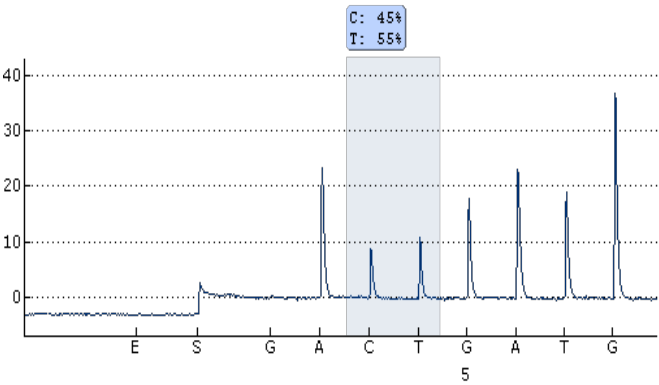


Well: F2
Assay: DLK1_ASE
Sample ID: F5_P
Sequence to analyze: AYGATGGCCTCTATGAATGCTCCTGTG



DLK1: Testes

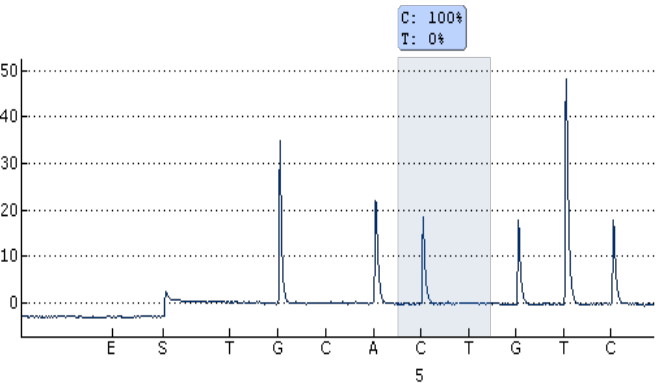
Well: F5
Assay: DLK1_ASE
Sample ID: M3_T
Sequence to analyze: AYGATGGCCTCTATGAATGCTCCTGTG



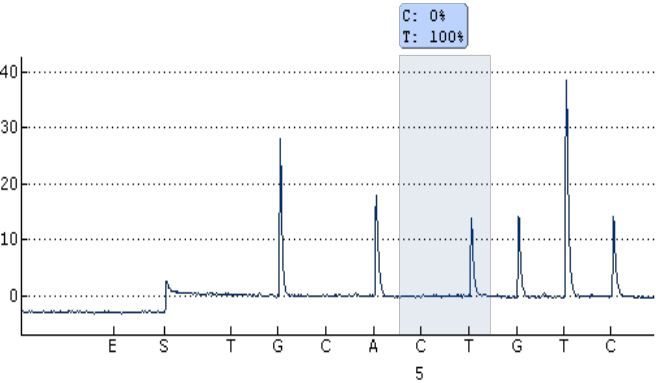
PEG3
Allele Specific Expression - cDNA
Qiagen Pyrosequencing

PEG3: Liver

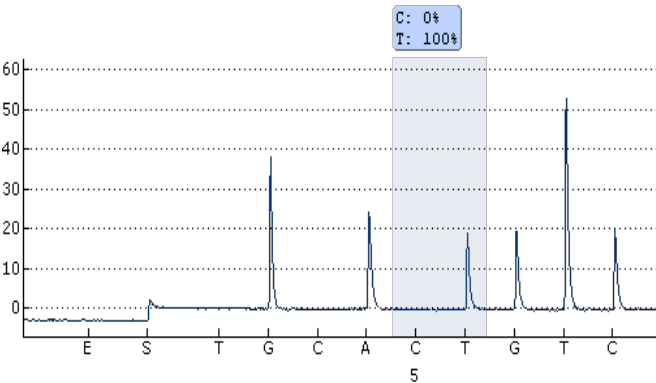
Well: C5
Assay: PEG3_ASE
Sample ID: F6_L
Sequence to analyze: GGAYGTTTCATTGCACAAGAGGGAGTCAG



Well: C7
Assay: PEG3_ASE
Sample ID: M3_L
Sequence to analyze: GGAYGTTTCATTGCACAAGAGGGAGTCAG

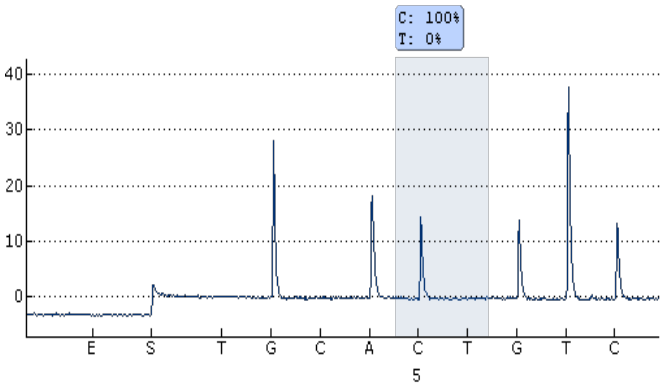


Well: C6
Assay: PEG3_ASE
Sample ID: M1_L
Sequence to analyze: GGAYGTTTCATTGCACAAGAGGGAGTCAG

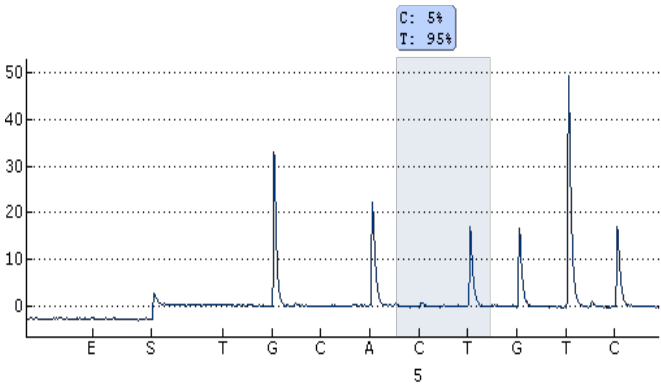


PEG3: Kidney

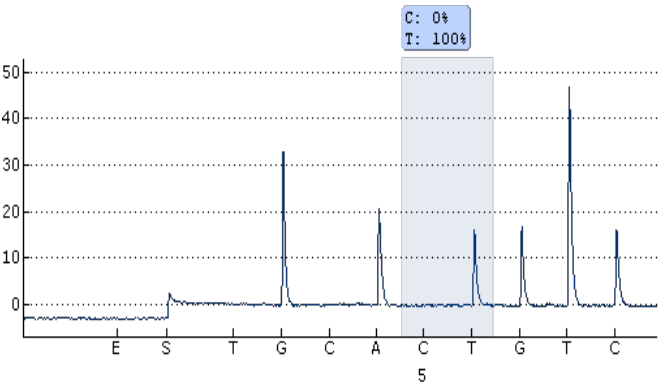
Well: C8
Assay: PEG3_ASE
Sample ID: F6_K
Sequence to analyze: GGAYGTTTCATTGCACAAGAGGGAGTCAG



Well: C10
Assay: PEG3_ASE
Sample ID: M3_K
Sequence to analyze: GGAYGTTTCATTGCACAAGAGGGAGTCAG

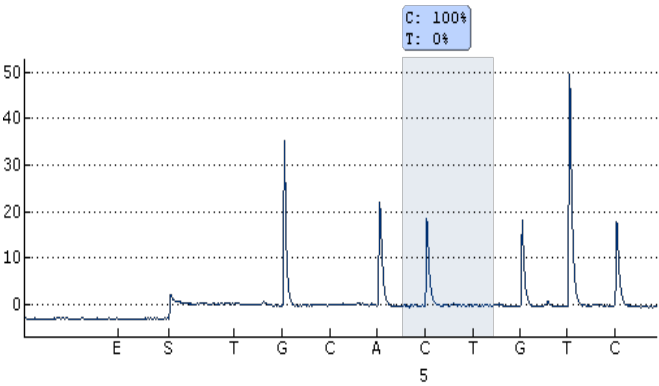


Well: C9
Assay: PEG3_ASE
Sample ID: M1_K
Sequence to analyze: GGAYGTTTCATTGCACAAGAGGGAGTCAG

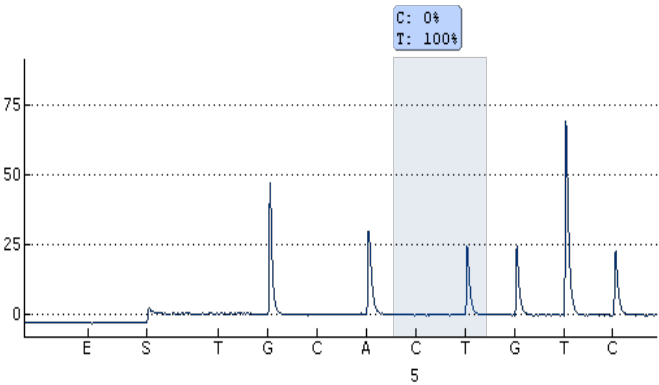


PEG3: Pancreas

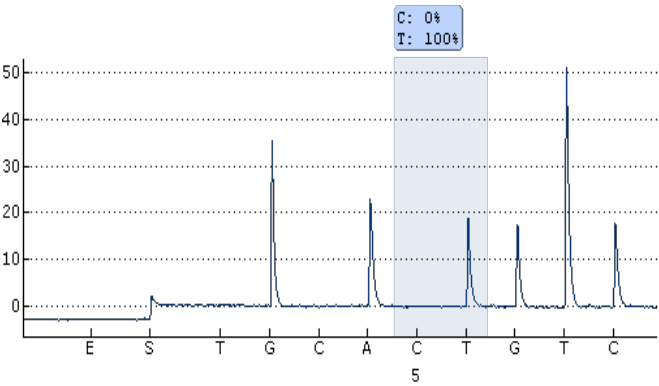
Well: C11
Assay: PEG3_ASE
Sample ID: F6_P
Sequence to analyze: GGAYGTTTCATTGCACAAGAGGGAGTCAG



Well: D1
Assay: PEG3_ASE
Sample ID: M3_P
Sequence to analyze: GGAYGTTTCATTGCACAAGAGGGAGTCAG

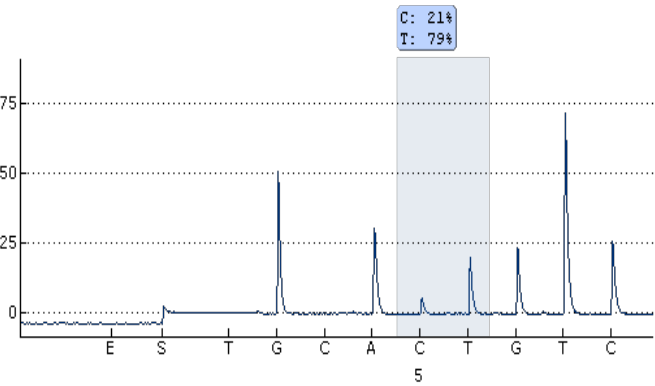


Well: C12
Assay: PEG3_ASE
Sample ID: M1_P
Sequence to analyze: GGAYGTTTCATTGCACAAGAGGGAGTCAG

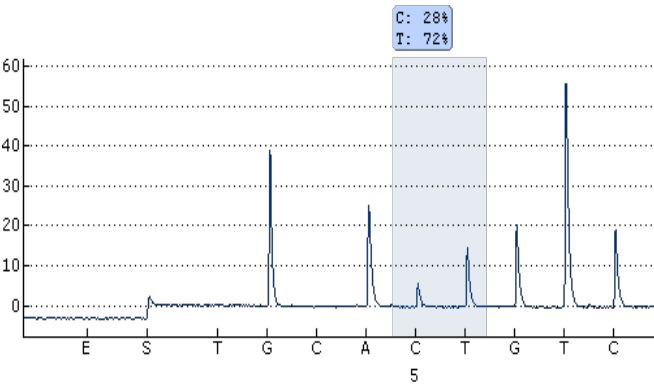


PEG3: Testes

Well: D2
Assay: PEG3_ASE
Sample ID: M1_T
Sequence to analyze: GGAYGTTTCATTGCACAAGAGGGAGTCAG



Well: D3
Assay: PEG3_ASE
Sample ID: M3_T
Sequence to analyze: GGAYGTTTCATTGCACAAGAGGGAGTCAG



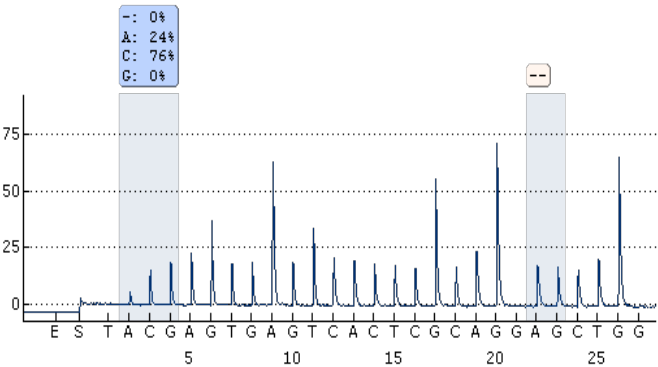
IGF2R

Allele Specific Expression - cDNA

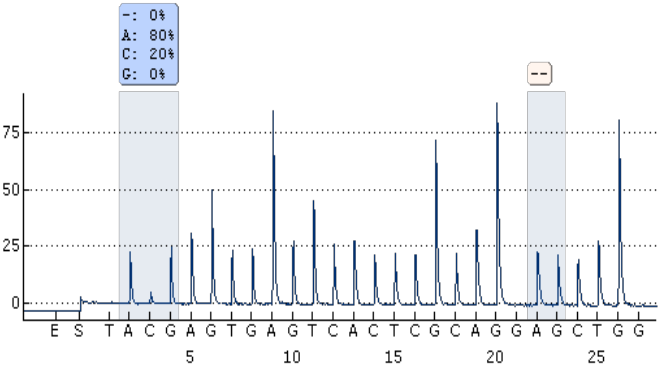
Qiagen Pyrosequencing

IGF2R: Liver

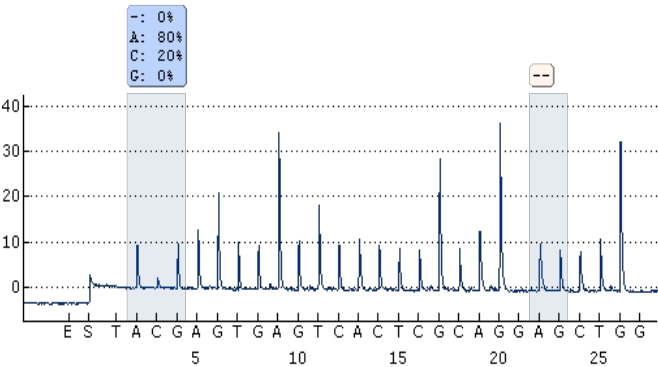
Well: G6
Assay: IGF2R_Rhesus1
Sample ID: F5_L
Sequence to analyze:
[A/C/G]GAGGTGAAAGTTCACTCGGGCAGGGGA[G/A]CTGGGGCAGAG
AGCTCCACCCACT



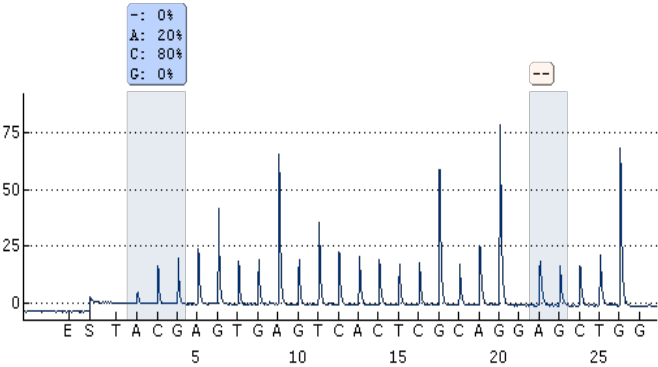
Well: G8
Assay: IGF2R_Rhesus1
Sample ID: M1_L
Sequence to analyze:
[A/C/G]GAGGTGAAAGTTCACTCGGGCAGGGGA[G/A]CTGGGGCAGAG
AGCTCCACCCACT



Well: G7
Assay: IGF2R_Rhesus1
Sample ID: F6_L
Sequence to analyze:
[A/C/G]GAGGTGAAAGTTCACTCGGGCAGGGGA[G/A]CTGGGGCAGAG
AGCTCCACCCACTA

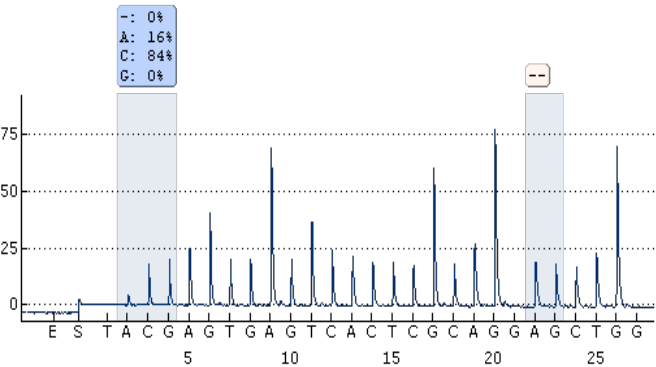


Well: G9
Assay: IGF2R_Rhesus1
Sample ID: M2_L
Sequence to analyze:
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AGCTCCACCCACT

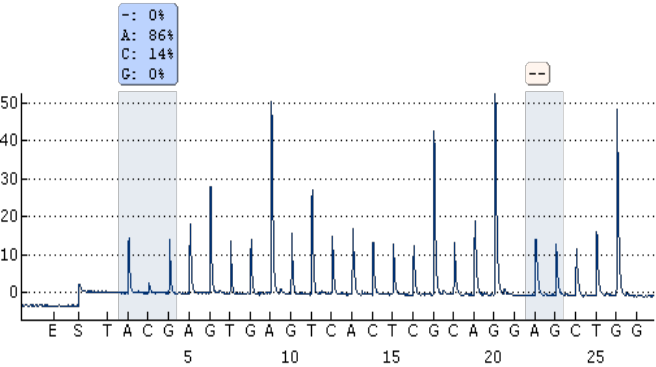


IGF2R: Kidney

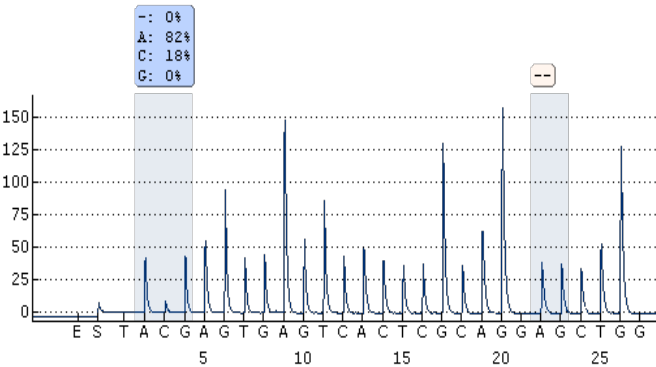
Well: G10
Assay: IGF2R_Rhesus1
Sample ID: F5_K
Sequence to analyze:
[A/C/G]GAGGTGAAAGTTCACTCGGGCAGGGGA[G/A]CTGGGGCAGAG
AGCTCCACCCACT



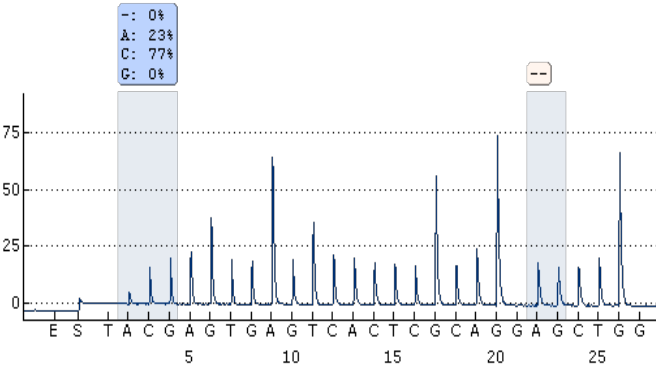
Well: G12
Assay: IGF2R_Rhesus1
Sample ID: M1_K
Sequence to analyze:
[A/C/G]GAGGTGAAAGTTCACTCGGGCAGGGGA[G/A]CTGGGGCAGAG
AGCTCCACCCACT



Well: G11
Assay: IGF2R_Rhesus1
Sample ID: F6_K
Sequence to analyze:
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AGCTCCACCCACT

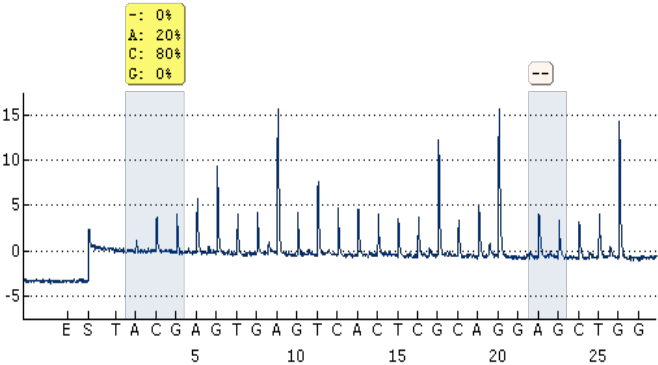


Well: H1
Assay: IGF2R_Rhesus1
Sample ID: M2_K
Sequence to analyze:
[A/C/G]GAGGTGAAAGTTCACTCGGGCAGGGGA[G/A]CTGGGGCAGAG
AGCTCCACCCACT

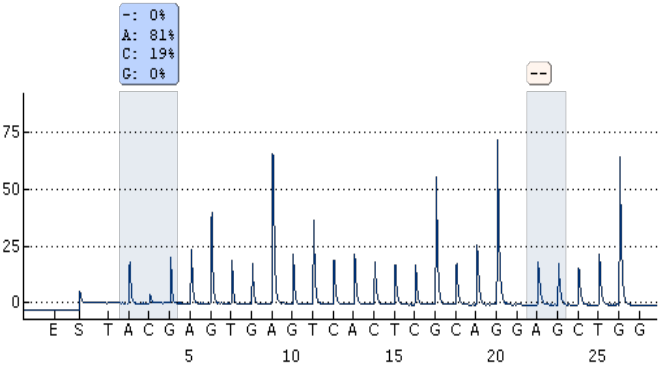


IGF2R: Pancreas

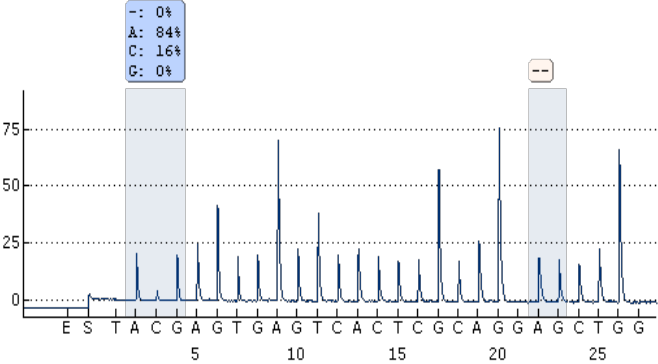
Well: H2
Assay: IGF2R_Rhesus1
Sample ID: F5_P
Sequence to analyze:
[A/C/G]GAGGTGAAAGTTCACTCGGGCAGGGGA[G/A]CTGGGGCAGAG
AGCTCCACCCACT



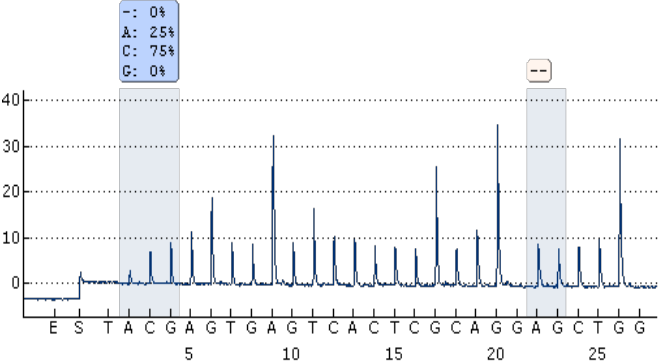
Well: H3
Assay: IGF2R_Rhesus1
Sample ID: F6_P
Sequence to analyze:
[A/C/G]GAGGTGAAAGTTCACTCGGGCAGGGGA[G/A]CTGGGGCAGAG
AGCTCCACCCACT



Well: H4
Assay: IGF2R_Rhesus1
Sample ID: M1_P
Sequence to analyze:
[A/C/G]GAGGTGAAAGTTCACTCGGGCAGGGGA[G/A]CTGGGGCAGAG
AGCTCCACCCACT

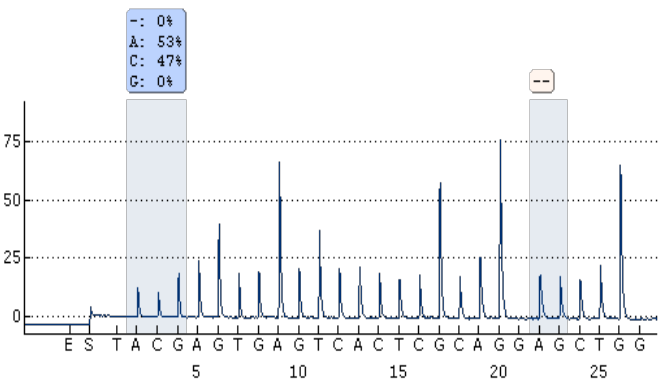


Well: H5
Assay: IGF2R_Rhesus1
Sample ID: M2_P
Sequence to analyze:
[A/C/G]GAGGTGAAAGTTCACTCGGGCAGGGGA[G/A]CTGGGGCAGAG
AGCTCCACCCACT



IGF2R: Testes

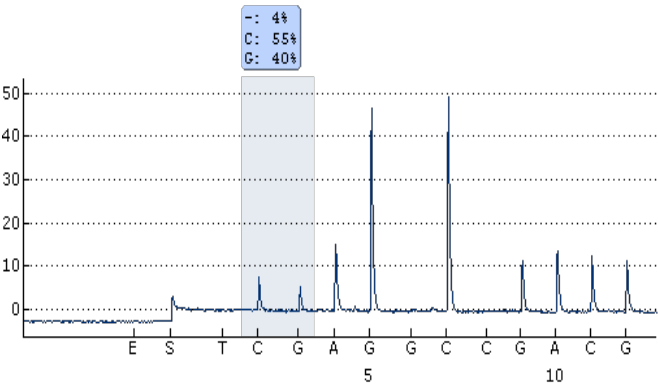
Well: H6
Assay: IGF2R_Rhesus1
Sample ID: M1_T
Sequence to analyze:
[A/C/G]GAGGTGAAAAGTTCACTCGGGCAGGGGA[G/A]CTGGGGCAGAG
AGCTCCACCCACT



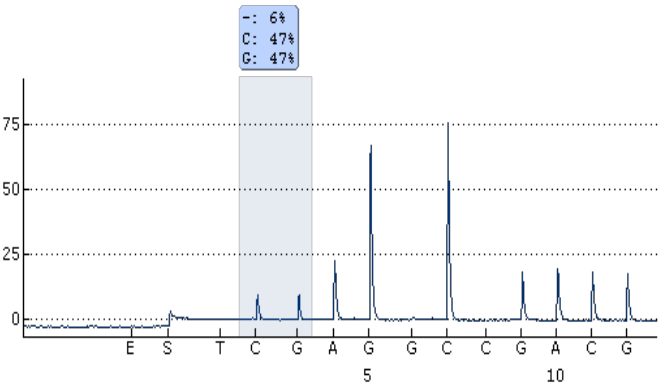
KCNQ1
Allele Specific Expression - cDNA
Qiagen Pyrosequencing

KCNQ1: Liver

Well: G11
Assay: KCNQ1_SNP2
Sample ID: F5_L
Sequence to analyze: [G/C]AGGGGCCCCGACGAGGGGTCCTGAT

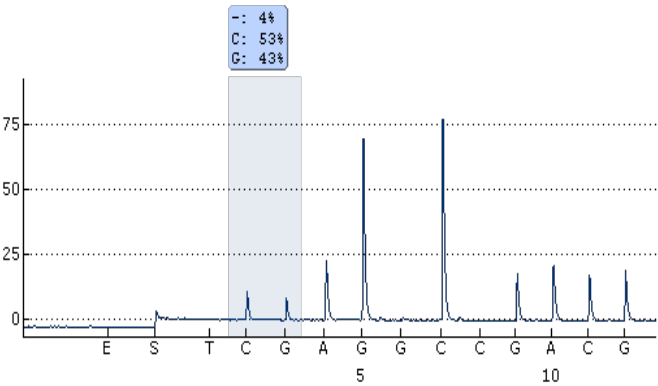


Well: H2
Assay: KCNQ1_SNP2
Sample ID: M2_L
Sequence to analyze: [G/C]AGGGGCCCCGACGAGGGGTCCTGAT

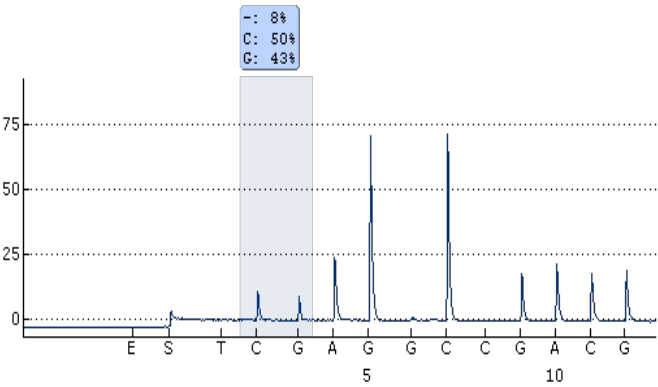


KCNQ1: Kidney

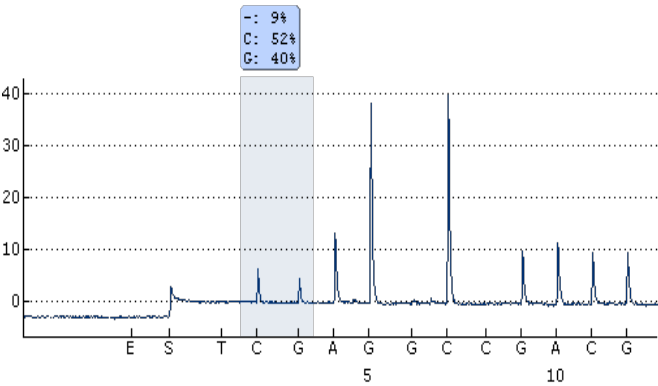
Well: H3
Assay: KCNQ1_SNP2
Sample ID: F5_K
Sequence to analyze: [G/C]AGGGGCCCCGACGAGGGGTCCTGAT



Well: H6
Assay: KCNQ1_SNP2
Sample ID: M2_K
Sequence to analyze: [G/C]AGGGGCCCCGACGAGGGGTCCTGAT

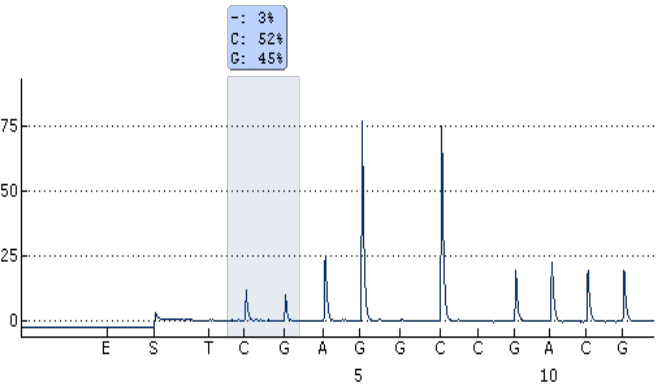


Well: H4
Assay: KCNQ1_SNP2
Sample ID: F6_K
Sequence to analyze: [G/C]AGGGGCCCCGACGAGGGGTCCTGAT

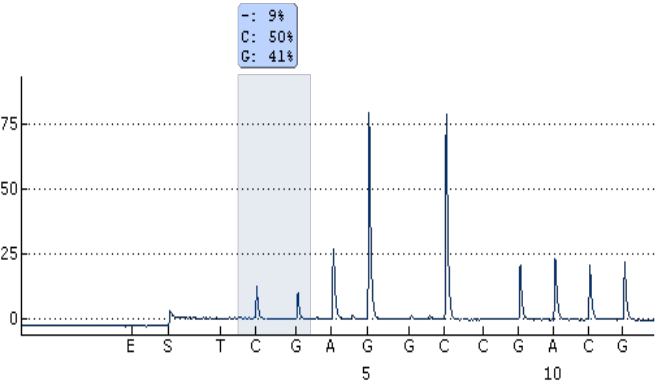


KCNQ1: Pancreas

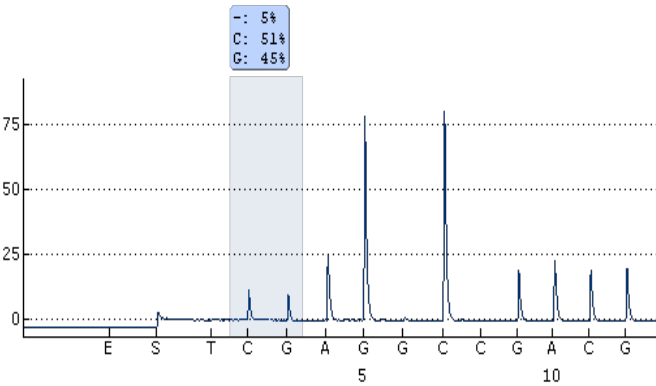
Well: H7
Assay: KCNQ1_SNP2
Sample ID: F5_P
Sequence to analyze: [G/C]AGGGGCCCCGACGAGGGGTCCTGAT



Well: H10
Assay: KCNQ1_SNP2
Sample ID: M2_P
Sequence to analyze: [G/C]AGGGGCCCCGACGAGGGGTCCTGAT

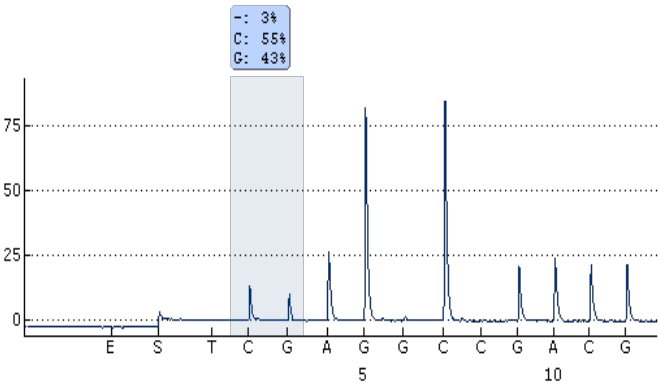


Well: H9
Assay: KCNQ1_SNP2
Sample ID: M1_P
Sequence to analyze: [G/C]AGGGGCCCCGACGAGGGGTCCTGAT



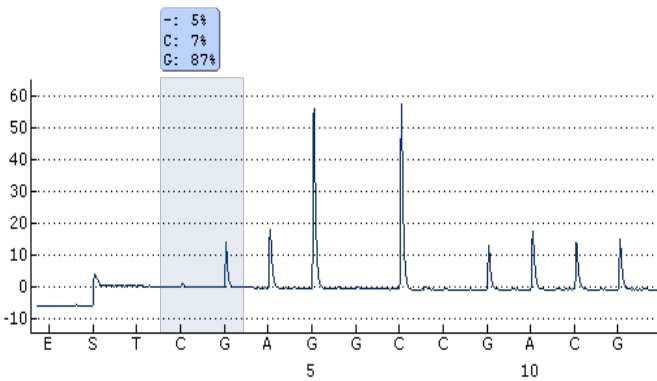
KCNQ1: Testes

Well: H11
Assay: KCNQ1_SNP2
Sample ID: M1_T
Sequence to analyze: [G/C]AGGGGCCCCGACGAGGGGTCCTGAT

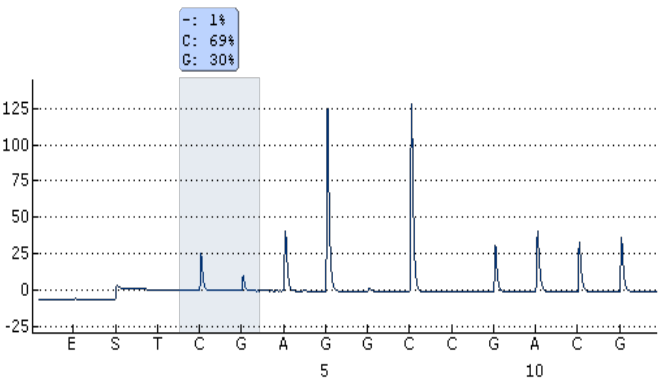


KCNQ1: Placenta

Well: B2
Assay: KCNQ1_1
Sample ID: #24
Sequence to analyze: [G/C]AGGGGCCCCGACGAGGGGTCCTGAT

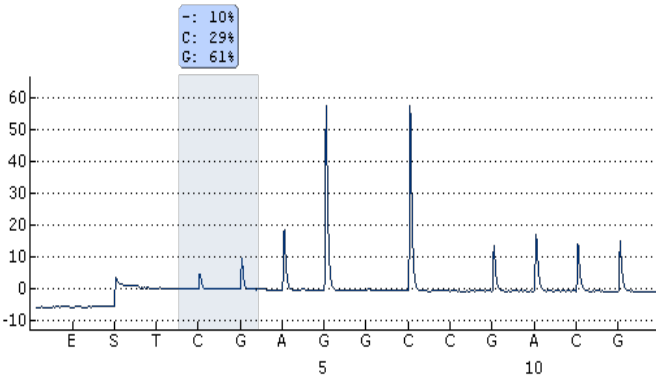


Well: B3
Assay: KCNQ1_1
Sample ID: #33
Sequence to analyze: [G/C]AGGGGCCCCGACGAGGGGTCCTGAT



KCNQ1: Umbilical Cord

Well: B5
Assay: KCNQ1_1
Sample ID: #24
Sequence to analyze: [G/C]AGGGGGCCCCGACGAGGGGTCCTGAT



Well: B6
Assay: KCNQ1_1
Sample ID: #33
Sequence to analyze: [G/C]AGGGGGCCCCGACGAGGGGTCCTGAT

