



Tracking Number: 00-123456789

Case Number: 00-123456789

Date: 05 Oct 2018

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Sample Information

Year of Birth: 1968
Gender: Female
Smoking Status: Never Smoker
Case Number: 00-123456789

Primary Tumor Site: Colon
Sample Type: FFPE
Sample ID: 00-123456789
Sample Collected: 02/01/2018

Sample Cancer Type: Colorectal Cancer

Clinically Significant Biomarkers

■ Indicated ■ Contraindicated

Genomic Alteration	Relevant Therapies (In this cancer type)	Relevant Therapies (In other cancer type)	Clinical Trials
<i>BRAF V600E</i> B-Raf proto-oncogene, serine/threonine kinase Tier: IA Allele Frequency: 27.98%	■ cetuximab + vemurafenib + chemotherapy ■ panitumumab + vemurafenib + chemotherapy	■ binimetinib + encorafenib ¹ ■ cobimetinib + vemurafenib ^{1,2} ■ dabrafenib + trametinib ^{1,2} ■ trametinib ^{1,2} ■ dabrafenib ^{1,2} ■ vemurafenib ^{1,2} ■ nivolumab ¹ ■ BRAF inhibitor + MEK inhibitor	27
<i>NF1 R2450*</i> neurofibromin 1 Tier: IIC Allele Frequency: 28.54%	None	■ imatinib	6
<i>PIK3CA R88Q</i> phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha Tier: IIC Allele Frequency: 27.15%	None	None	10
<i>PTEN R173C</i> phosphatase and tensin homolog Tier: IIC Allele Frequency: 30.28%	None	None	9
<i>NOTCH1 P2415del</i> notch 1 Tier: IIC Allele Frequency: 3.94%	None	None	2
Tumor Mutational Burden 45.89 Mut/Mb measured	None	None	2

Sources included in relevant therapies: FDA¹, NCCN, EMA², ESMO