

Clinical Test Report : Oncomine™ Dx Target Test US v3.4

Sample ID: **ADF34_Sample3_20211110080328_N9AL6HX2** Date Of Birth: **01 FEB 1980**

Date: **23 MAR 2022**

Draft Report

Sample Details

Cancer Type:	Non-small Cell Lung Cancer	Ordering Physician:	Dr. Jane Smith	Sample Type:	FFPE,Block
Patient ID:	Mike Snow	%Necrosis:		Sample ID:	ADF34_Sample3_20211110080328_N9AL6HX2
Gender:	Male	%Cellularity:		Collection Date:	01 JUL 2016
Date Of Birth:	01 FEB 1980	Reference Interval:		Created On:	10 NOV 2021 08:03
Sample Condition:	Moderate			Sample Source:	Tissue

Results for Sequence Variations for Therapeutic Use

Gene Fusions (RNA) for Therapeutic Use

Gene	Display Name	Test Result	Therapy
ROS1	ROS1 Fusion	PRESENT	XALKORI® (crizotinib)

DNA Sequence Variants for Therapeutic Use

Note: Results for positive variants are listed first to provide therapy information, followed by variants with no calls, followed by variants that were reported as negative results.

Gene	Display Name	Amino Acid Change	Nucleotide Change	Test Result	Hotspot ID	Therapy
EGFR	EGFR Exon 20 Insertion	p.Asn771_Pro772insHisHis	c. 2314_2315insACCACC	POSITIVE	COSM6931207	RYBREVENTM™ (amivantamab)

Gene	Display Name	Amino Acid Change	Nucleotide Change	Test Result	Hotspot ID	Therapy
BRAF	BRAF V600E	p.Val600Glu	c.1799T>A	NEGATIVE	COSM476	None Indicated
BRAF	BRAF V600E	p.Val600Glu	c. 1799_1800delTGinsAA	NEGATIVE	COSM475	None Indicated
EGFR	EGFR Exon 19 deletion	p.Glu746_Ala750del	c. 2235_2249delGGAATT AAGAGAAGC	NEGATIVE	COSM6223	None Indicated
EGFR	EGFR Exon 19 deletion	p.Glu746_Ala750del	c. 2236_2250delGAATTA AGAGAAGCA	NEGATIVE	COSM6225	None Indicated
EGFR	EGFR Exon 19 deletion	p.Glu746_Arg748del	c. 2239_2247delTTAAGA GAA	NEGATIVE	COSM6218	None Indicated
EGFR	EGFR Exon 19 deletion	p.Glu746_Glu749del	c. 2235_2246delGGAATT AAGAGA	NEGATIVE	COSM28517	None Indicated
EGFR	EGFR Exon 19 deletion	p.Glu746_Ser752delinsAsp	c. 2238_2255delATTAAG AGAAGCAACATC	NEGATIVE	COSM6220	None Indicated
EGFR	EGFR Exon 19 deletion	p.Glu746_Ser752delinsVal	c. 2237_2255delAATTAA GAGAAGCAACATCinsT	NEGATIVE	COSM12384	None Indicated
EGFR	EGFR Exon 19 deletion	p.Glu746_Thr751del	c. 2236_2253delGAATTA AGAGAAGCAACA	NEGATIVE	COSM12728	None Indicated
EGFR	EGFR Exon 19 deletion	p.Glu746_Thr751delinsAla	c. 2237_2251delAATTAA GAGAAGCAA	NEGATIVE	COSM12678	None Indicated
EGFR	EGFR Exon 19 deletion	p.Glu746_Thr751delinsIle	c. 2235_2252delGGAATT AAGAGAAGCAACinsA AT	NEGATIVE	COSM13551	None Indicated

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EGFR	EGFR Exon 19 deletion	p.Glu746_Thr751delinsValAla	c. 2237_2253delAATTAA GAGAAGCAACinsTTGCT	NEGATIVE	COSM12416	None Indicated
EGFR	EGFR Exon 19 deletion	p.Leu747_Ala750delinsPro	c. 2239_2248delTTAAGA GAAGinsC	NEGATIVE	COSM12382	None Indicated
EGFR	EGFR Exon 19 deletion	p.Leu747_Ala750delinsPro	c. 2238_2248delATTAAG AGAAGinsGC	NEGATIVE	COSM12422	None Indicated
EGFR	EGFR Exon 19 deletion	p.Leu747_Pro753delinsGln	c. 2239_2258delTTAAGA GAAGCAACATCTCCinsCA	NEGATIVE	COSM12387	None Indicated
EGFR	EGFR Exon 19 deletion	p.Leu747_Pro753delinsSer	c. 2240_2257delTAAGA GAAGCAACATCTC	NEGATIVE	COSM12370	None Indicated
EGFR	EGFR Exon 19 deletion	p.Leu747_Ser752del	c. 2239_2256delTTAAGA GAAGCAACATCT	NEGATIVE	COSM6255	None Indicated
EGFR	EGFR Exon 19 deletion	p.Leu747_Thr751del	c. 2240_2254delTAAGA GAAGCAACAT	NEGATIVE	COSM12369	None Indicated
EGFR	EGFR Exon 19 deletion	p.Leu747_Thr751delinsGln	c. 2238_2252delATTAAG AGAAGCAACinsGCA	NEGATIVE	COSM12419	None Indicated
EGFR	EGFR Exon 19 deletion	p.Leu747_Thr751delinsPro	c. 2239_2251delTTAAGA GAAGCAinsC	NEGATIVE	COSM12383	None Indicated
EGFR	EGFR Exon 19 deletion	p.Leu747_Thr751delinsSer	c. 2240_2251delTAAGA GAAGCAA	NEGATIVE	COSM6210	None Indicated
EGFR	EGFR Exon 19 deletion	p.Lys745_Ala750delinsThr	c. 2234_2248delAGGAA TTAAGAGAAG	NEGATIVE	COSM1190791	None Indicated
EGFR	EGFR Exon 19 deletion	p.Lys745_Glu749del	c. 2233_2247delAAGGA ATTAAGAGAA	NEGATIVE	COSM26038	None Indicated
EGFR	EGFR Exon 20 Insertion	NA	NA	NEGATIVE	COSM26720	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Ala763_Tyr764insTyrValMet AlaSerValAsp	c. 2310_2311insTACGTG ATGGCCAGCGTGGAC	NEGATIVE	COSM6962256	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Ala767_Ser768insSerValAsp	c. 2311_2312insGCGTGG ACA	NEGATIVE	COSM13428	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Ala767_Ser768insSerValGly	c. 2308_2309insGCAGCG TGG	NEGATIVE	COSM18429	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Ala767_Ser768insSerValGly	c. 2308_2309insGGAGCG TGG	NEGATIVE	COSM1235344	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Ala767_Ser768insTyrValMet	c. 2301_2302insTACGTG ATG	NEGATIVE	COSM1651740	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Ala767_Val769dup	c. 2309_2310delACinsCC AGCGTGGAT	NEGATIVE	COSM13558	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771_Pro772insArgHis	c. 2314_2315insGGCACC	NEGATIVE	COSM166390	None Indicated

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EGFR	EGFR Exon 20 Insertion	p.Asn771_Pro772insHis	c.2314_2315insACC	NEGATIVE	COSM1238031	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771_Pro772insLeu	c.2314_2315insTCC	NEGATIVE	N771_P772insL	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771_Pro772insLeu	c.2313_2314insTTG	NEGATIVE	c.2313_2314insTTG	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771_Pro772insProHis	c.2319_2320insCCCCAC	NEGATIVE	COSM12380	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771_Pro772insProHisVal	c.2322_2323insCCCCAC GTG	NEGATIVE	COSM6845098	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771_Pro772insProThrHis	c.2315_2316insGACACA CCC	NEGATIVE	COSM48923	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771_Pro772insThr	c.2313_2314insACA	NEGATIVE	c.2313_2314insACA	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771_Pro772insVal	c.2313_2314insGTC	NEGATIVE	COSM6922328	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771delinsGlyPhe	c.2311_2312delAAinsG GGTT	NEGATIVE	COSM18431	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771delinsGlyTyr	c.2311_2311delAinsGGT T	NEGATIVE	COSM53189	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771delinsLysGly	c.2313_2313delCinsGG GG	NEGATIVE	N771delinsKG	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771delinsLysLeu	c.2312_2313insACT	NEGATIVE	COSM6438147	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771delinsSerGlyHis	c.2311_2312insGTGGCC	NEGATIVE	COSM1651744	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771delinsSerHis	c.2311_2312insGTC	NEGATIVE	COSM24434	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771delinsSerThrHis	c.2311_2312insGCACCC	NEGATIVE	COSM6920147	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771delinsThrHis	c.2311_2312insCAC	NEGATIVE	COSM22946	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asn771delinsValHis	c.2311_2311delAinsGTC C	NEGATIVE	COSM5023007	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771delinsAlaGly Gly	c.2309_2312delACAAins CTGGTGG	NEGATIVE	COSM12737	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insAlaProTr p	c.2310_2311insGCACCG TGG	NEGATIVE	COSM20886	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insAsn	c.2313_2314insAAC	NEGATIVE	COSM13003	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insAsnPro	c.2316_2317insAACCCC	NEGATIVE	MAN123	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insAsnProGly y	c.2316_2317insGGCAAC CCC	NEGATIVE	c.2316_2317insGGCAAC CCC	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insAsnProGly y	c.2316_2317insGGAAAC CCC	NEGATIVE	P772_H773insGNP	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insAsnProHis s	c.2319_2320insAACCCC CAC	NEGATIVE	COSM12381	None Indicated

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EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insAsnProHisGly	c.2320_2321insGCAACCCCACG	NEGATIVE	COSM51544	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insAsnProPro	c.2317_2318insCCAACCCC	NEGATIVE	P772_H773insPNP	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insAsnProThrPro	c.2316_2317insACACCAACCCC	NEGATIVE	COSM6977296	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insGlnArgGly	c.2310_2311insCAGCGTGGC	NEGATIVE	COSM4970107	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insGly	c.2310_2311insGGC	NEGATIVE	COSM13004	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insGly	c.2310_2311insGGT	NEGATIVE	COSM12378	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insGlyLeu	c.2310_2311insGGGTTA	NEGATIVE	COSM48921	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insGlyPhe	c.2310_2311insGGGTTT	NEGATIVE	COSM655155	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insGlyThr	c.2310_2311insGGCACA	NEGATIVE	COSM1238029	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insMetAlaThrPro	c.2311_2312insTGGCCACCCCA	NEGATIVE	COSM26719	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insSerValGlu	c.2311_2312insGCGTCGAAA	NEGATIVE	COSM1651743	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insThr	c.2311_2312insCCA	NEGATIVE	COSM5023008	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770_Asn771insTyr	c.2310_2311insTAC	NEGATIVE	COSM1238030	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770delinsGlyThrHis	c.2308_2309insGCACAC	NEGATIVE	COSM6983510	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Asp770delinsGlyTyr	c.2308_2309insGTT	NEGATIVE	COSM12427	None Indicated
EGFR	EGFR Exon 20 Insertion	p.His773_Val774insGln	c.2319_2320insCAG	NEGATIVE	COSM131552	None Indicated
EGFR	EGFR Exon 20 Insertion	p.His773_Val774insThrGlnProPro	c.2319_2320insACACAAACCCCC	NEGATIVE	COSM3727813	None Indicated
EGFR	EGFR Exon 20 Insertion	p.His773delinsAsnProTyr	c.2317_2317delCinsAACCCCT	NEGATIVE	H773delinsNPY	None Indicated
EGFR	EGFR Exon 20 Insertion	p.His773delinsProAsnProTyr	c.2317_2318insCTAACCCCT	NEGATIVE	COSM1735761	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Met766_Ala767insAlaIle	c.2302_2303insTAGCCA	NEGATIVE	COSM13559	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Met766_Ala767insAlaSerVal	c.2308_2309insCCAGCGTGG	NEGATIVE	COSM12376	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Met766_Ala767insAlaThrLeu	c.2302_2303insCGCTGGCCA	NEGATIVE	COSM12425	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Pro772_His773insHis	c.2319_2320insCAC	NEGATIVE	COSM12377	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Pro772_His773insHisAla	c.2320_2321insCCCACG	NEGATIVE	COSM1238028	None Indicated

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EGFR	EGFR Exon 20 Insertion	p.Pro772_His773insHisAsn	c.2319_2320insAACCAC	NEGATIVE	COSM5023006	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Pro772_His773insHisVal	c.2321_2322insCCACGT	NEGATIVE	COSM18432	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Pro772_His773insHisVal	c.2322_2323insCACGTG	NEGATIVE	COSM22948	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Pro772_His773insThrPro	c.2316_2316delCinsAAC CCT	NEGATIVE	COSM12388	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Pro772_His773insVal	c.2316_2317insGTT	NEGATIVE	COSM255205	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Ser768_Val769insVal	c.2308_2309insTGG	NEGATIVE	COSM6506514	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Ser768_Val769insValAlaAsn	c.2303_2304insTGTGGC CAA	NEGATIVE	COSM1651741	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Ser768_Val769insValAspAsn	c.2313_2314insGTGGAC AAC	NEGATIVE	COSM20885	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Ser768_Val769insValAspAsn Pro	c.2316_2317insGTGGAC AACCCC	NEGATIVE	V769_P772dup	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Ser768_Val769insValCys	c.2307_2308insTGCGTG	NEGATIVE	COSM12379	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Ser768_Val769insValGlyVal	c.2308_2309insGGGTGG TGG	NEGATIVE	COSM18430	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Val769_Asp770insAspAsnPro	c.2315_2316insGGACAA CCC	NEGATIVE	COSM6845099	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Val769_Asp770insAspAsnPro	c.2316_2317insGACAAC CCC	NEGATIVE	COSM1651745	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Val769_Asp770insAspGly	c.2310_2311insGGGGAC	NEGATIVE	COSM85795	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Val769_Asp770insAspGly	c.2310_2311insGGCGAC	NEGATIVE	COSM22955	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Val769_Asp770insAspLys	c.2312_2313insGGACAA	NEGATIVE	D770_N771insKD	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Val769_Asp770insGluArgGly	c.2309_2310insGCGTGG AGA	NEGATIVE	COSM1651742	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Val769_Asp770insMetAlaSer ValAsp	c.2307_2308insATGGCC AGCGTGGAC	NEGATIVE	COSM28638	None Indicated
EGFR	EGFR Exon 20 Insertion	p.Val774_Cys775insProArg	c.2322_2323insCCACGT	NEGATIVE	COSM4170223	None Indicated
EGFR	EGFR Exon 20 MNV	p.Ser768_Val769delinsIleLeu	c.2303_2305delGCGinsT CC	NEGATIVE	COSM6984779	None Indicated
EGFR	EGFR Exon 20 MNV	p.Ser768_Val769delinsIleLeu	c.2303_2305delGCGinsT CT	NEGATIVE	COSM85750	None Indicated
EGFR	EGFR L858R	p.Leu858Arg	c.2573T>G	NEGATIVE	COSM6224	None Indicated

The following reference files are used:hg19, Oncomine™ Dx Target Panel US v3.4 Fusion Reference. Associated therapy is within Non-Small Cell Lung Carcinoma (NSCLC).



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Results for Analytical Sequence Variations Detected

Analytical DNA Sequence Variants Detected
No Analytical DNA sequence variations detected

Important Note :
The safe and effective use of the variants reported in the Analytical Sequence Variations Detected section has not been established for selecting therapy using this device.

The variants for KRAS(COSM512/p.Gly12Phe/c.34_35delGGinsTT and COSM516/p.Gly12Cys/c.34G>T), MET (COSM707/ p.Thr1010Ile/c.3029C>T) and PIK3CA (COSM754/p.Asn345Lys/c.1035T>A) have been analytically validated.

Performance of all other variants identified by the test, other than clinically validated therapeutic variants and analytically validated variants has not been directly demonstrated.

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Test Description

The Oncomine™ Dx Target Test is a qualitative *in vitro* diagnostic test that uses targeted, high throughput, parallel-sequencing technology to detect variations in DNA and fusions from RNA isolated from formalin-fixed, paraffin-embedded (FFPE) tumor samples using the Ion PGM™ Dx System.

In patients with non-small cell lung cancer (NSCLC), the test detects single-nucleotide variants (SNVs), multi-nucleotide variants (MNVs), deletions, and insertions in 23 genes in DNA, and variations in ROS1 in RNA.

- Sequence variations in DNA for the following 23 genes are reported from patients with NSCLC – AKT1, ALK, BRAF, CDK4, DDR2, EGFR, ERBB2, ERBB3, FGFR2, FGFR3, HRAS, KIT, KRAS, MAP2K1, MAP2K2, MET, MTOR, NRAS, PDGFRA, PIK3CA, RAF1, RET and ROS1.
- Sequence variations in ROS1 in RNA are also reported in samples from patients with NSCLC.

The test is indicated to aid in selecting patients for treatment with the targeted therapies listed in Table 1 in accordance with the approved therapeutic product labeling.

Table 1

Cancer Type	Gene	Variant	Targeted Therapy
NSCLC	BRAF	BRAF V600E mutation	RAFINLAR®+MEQSEL® (dabrafenib in combination with trametinib)
NSCLC	EGFR	EGFR L858R mutation and EGFR Exon 19 deletions	IRESSA® (gefitinib)
NSCLC	EGFR	EGFR Exon 20 insertions	RYBREVANT™ (amivantamab)
NSCLC	ROS1	ROS1 fusions	XALKORI® (crizotinib)

The Oncomine™ Dx Target Test is intended for use only with the Ion PGM™ Dx System, and is intended for *in vitro* diagnostic use by trained personnel in a professional laboratory environment.

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Results for Analytical Sequence Variations Not Detected

Analytical DNA Sequence Variants Not Detected

Note: Results for no calls are listed first, followed by variants that were reported as negative results.

Gene	Amino Acid Change	Nucleotide Change	Test Result	Hotspot ID
ALK	p.Cys1156Tyr	c.3467G>A	NO CALL	COSM99136
Gene	Amino Acid Change	Nucleotide Change	Test Result	Hotspot ID
AKT1	p.Glu17Lys	c.49G>A	NEGATIVE	COSM33765
ALK	p.Arg1275Gln	c.3824G>A	NEGATIVE	COSM28056
ALK	p.Arg1275Leu	c.3824G>T	NEGATIVE	COSM28060
ALK	p.Gly1128Ala	c.3383G>C	NEGATIVE	COSM98475
ALK	p.Gly1202Arg	c.3604G>A	NEGATIVE	COSM144250
ALK	p.Ile1171Asn	c.3512T>A	NEGATIVE	COSM28498
ALK	p.Ile1171Thr	c.3512T>C	NEGATIVE	COSM4381100
ALK	p.Leu1152Arg	c.3455T>G	NEGATIVE	COSM97185
ALK	p.Leu1152Pro	c.3455T>C	NEGATIVE	COSM1407659
ALK	p.Leu1196Gln	c.3587T>A	NEGATIVE	COSM1169447
ALK	p.Leu1196Met	c.3586C>A	NEGATIVE	COSM99137
ALK	p.Phe1174Cys	c.3521T>G	NEGATIVE	COSM28059
ALK	p.Phe1174Ile	c.3520T>A	NEGATIVE	COSM28491
ALK	p.Phe1174Leu	c.3522C>G	NEGATIVE	COSM28061
ALK	p.Phe1174Leu	c.3522C>A	NEGATIVE	COSM28055
ALK	p.Phe1174Leu	c.3520T>C	NEGATIVE	COSM28057
ALK	p.Phe1174Ser	c.3521T>C	NEGATIVE	COSM53063
ALK	p.Phe1174Val	c.3520T>G	NEGATIVE	COSM28054
ALK	p.Phe1245Cys	c.3734T>G	NEGATIVE	COSM28500
ALK	p.Phe1245Ile	c.3733T>A	NEGATIVE	COSM28492
ALK	p.Phe1245Leu	c.3735C>G	NEGATIVE	COSM28062
ALK	p.Phe1245Leu	c.3735C>A	NEGATIVE	COSM28493
ALK	p.Phe1245Val	c.3733T>G	NEGATIVE	COSM28499
ALK	p.Ser1206Tyr	c.3617C>A	NEGATIVE	COSM144251
ALK	p.Val1180Leu	c.3538G>C	NEGATIVE	COSM4381101
BRAF	p.Asp594Asn	c.1780G>A	NEGATIVE	COSM27639
BRAF	p.Asp594Gly	c.1781A>G	NEGATIVE	COSM467
BRAF	p.Gly466Glu	c.1397G>A	NEGATIVE	COSM453
BRAF	p.Gly466Val	c.1397G>T	NEGATIVE	COSM451
BRAF	p.Gly469Ala	c.1406G>C	NEGATIVE	COSM460
BRAF	p.Gly469Arg	c.1405G>A	NEGATIVE	COSM457
BRAF	p.Gly469Val	c.1406G>T	NEGATIVE	COSM459
BRAF	p.Lys601Glu	c.1801A>G	NEGATIVE	COSM478
BRAF	p.Val600_Lys601delinsGlu	c.1799_1801delTGA	NEGATIVE	COSM1133
BRAF	p.Val600Arg	c.1798_1799delGTinsAG	NEGATIVE	COSM474
BRAF	p.Val600Lys	c.1798_1799delGTinsAA	NEGATIVE	COSM473
CDK4	p.Arg24Cys	c.70C>T	NEGATIVE	COSM1677139
CDK4	p.Arg24His	c.71G>A	NEGATIVE	COSM1989836
CDK4	p.Arg24Leu	c.71G>T	NEGATIVE	COSM363684

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CDK4	p.Arg24Ser	c.70C>A	NEGATIVE	COSM3463914
CDK4	p.Lys22Arg	c.65A>G	NEGATIVE	COSM232013
CDK4	p.Lys22Gln	c.64A>C	NEGATIVE	OM3153
CDK4	p.Lys22Met	c.65A>T	NEGATIVE	COSM3463915
DDR2	p.Arg124Leu	c.371G>T	NEGATIVE	COSM400880
DDR2	p.Arg124Trp	c.370C>T	NEGATIVE	COSM4024594
EGFR	p.Ala289Asp	c.866C>A	NEGATIVE	COSM21685
EGFR	p.Ala289Thr	c.865G>A	NEGATIVE	COSM21686
EGFR	p.Ala289Val	c.866C>T	NEGATIVE	COSM21687
EGFR	p.Arg108Gly	c.322A>G	NEGATIVE	COSM1451536
EGFR	p.Arg108Lys	c.323G>A	NEGATIVE	COSM21683
EGFR	p.Cys797Ser	c.2389T>A	NEGATIVE	COSM6493937
EGFR	p.Cys797Ser	c.2390G>C	NEGATIVE	COSM5945664
EGFR	p.Glu709Ala	c.2126A>C	NEGATIVE	COSM13427
EGFR	p.Glu709Gly	c.2126A>G	NEGATIVE	COSM13009
EGFR	p.Glu709Lys	c.2125G>A	NEGATIVE	COSM12988
EGFR	p.Glu709Val	c.2126A>T	NEGATIVE	COSM12371
EGFR	p.Gly598Ala	c.1793G>C	NEGATIVE	COSM3412196
EGFR	p.Gly598Val	c.1793G>T	NEGATIVE	COSM21690
EGFR	p.Gly719Ala	c.2156G>C	NEGATIVE	COSM6239
EGFR	p.Gly719Asp	c.2156G>A	NEGATIVE	COSM18425
EGFR	p.Gly719Cys	c.2155G>T	NEGATIVE	COSM6253
EGFR	p.Gly719Ser	c.2155G>A	NEGATIVE	COSM6252
EGFR	p.Leu858Met	c.2572C>A	NEGATIVE	COSM12366
EGFR	p.Leu861Arg	c.2582T>G	NEGATIVE	COSM12374
EGFR	p.Leu861Gln	c.2582T>A	NEGATIVE	COSM6213
EGFR	p.Ser492Arg	c.1474A>C	NEGATIVE	COSM236671
EGFR	p.Ser492Arg	c.1476C>A	NEGATIVE	COSM236670
EGFR	p.Ser768Ile	c.2303G>T	NEGATIVE	COSM6241
ERBB2	p.Arg678Gln	c.2033G>A	NEGATIVE	COSM436498
ERBB2	p.Arg896Cys	c.2686C>T	NEGATIVE	COSM14066
ERBB2	p.Arg896His	c.2687G>A	NEGATIVE	COSM119971
ERBB2	p.Asp769His	c.2305G>C	NEGATIVE	COSM13170
ERBB2	p.Asp769Tyr	c.2305G>T	NEGATIVE	COSM1251412
ERBB2	p.Gly776Val	c.2327G>T	NEGATIVE	COSM18609
ERBB2	p.Leu755Met	c.2263T>A	NEGATIVE	COSM1205571
ERBB2	p.Leu755Pro	c.2263_2264delTTinsCC	NEGATIVE	COSM683
ERBB2	p.Ser310Phe	c.929C>T	NEGATIVE	COSM48358
ERBB2	p.Ser310Tyr	c.929C>A	NEGATIVE	COSM94225
ERBB2	p.Thr733Ile	c.2198C>T	NEGATIVE	COSM14059
ERBB2	p.Val777Leu	c.2329G>T	NEGATIVE	COSM14062
ERBB2	p.Val842Ile	c.2524G>A	NEGATIVE	COSM14065
ERBB3	p.Ala232Thr	c.694G>A	NEGATIVE	COSM4043440
ERBB3	p.Ala232Val	c.695C>T	NEGATIVE	COSM1242239
ERBB3	p.Asp297Tyr	c.889G>T	NEGATIVE	COSM160822
ERBB3	p.Asp297Val	c.890A>T	NEGATIVE	COSM941490
ERBB3	p.Glu332Lys	c.994G>A	NEGATIVE	COSM254677
ERBB3	p.Met60Arg	c.179T>G	NEGATIVE	COSM941484

Clinical Test Report : Oncomine™ Dx Target Test US v3.4

Sample ID: ADF34_Sample3_20211110080328_N9AL6HX2 Date Of Birth: 01 FEB 1980

Date: 23 MAR 2022

Draft Report

Gene	Amino Acid Change	Nucleotide Change	Test Result	Hotspot ID
ERBB3	p.Met60Leu	c.178A>T	NEGATIVE	COSM1606366
ERBB3	p.Met60Lys	c.179T>A	NEGATIVE	COSM254678
ERBB3	p.Met91Ile	c.273G>A	NEGATIVE	COSM122890
ERBB3	p.Met91Ile	c.273G>C	NEGATIVE	COSM1299636
ERBB3	p.Val104Leu	c.310G>C	NEGATIVE	COSM160824
ERBB3	p.Val104Leu	c.310G>T	NEGATIVE	COSM191840
ERBB3	p.Val104Met	c.310G>A	NEGATIVE	COSM172423
FGFR2	p.Ala314Asp	c.941C>A	NEGATIVE	COSM49171
FGFR2	p.Asn549His	c.1645A>C	NEGATIVE	COSM250083
FGFR2	p.Asn549Lys	c.1647T>G	NEGATIVE	COSM36902
FGFR2	p.Asn549Lys	c.1647T>A	NEGATIVE	COSM36912
FGFR2	p.Asn549Ser	c.1646A>G	NEGATIVE	COSM3665553
FGFR2	p.Cys382Arg	c.1144T>C	NEGATIVE	COSM36906
FGFR2	p.Cys382Tyr	c.1145G>A	NEGATIVE	COSM915493
FGFR2	p.Lys659Asn	c.1977G>T	NEGATIVE	COSM49173
FGFR2	p.Lys659Asn	c.1977G>C	NEGATIVE	COSM683054
FGFR2	p.Lys659Glu	c.1975A>G	NEGATIVE	COSM36909
FGFR2	p.Lys659Met	c.1976A>T	NEGATIVE	COSM49175
FGFR2	p.Pro253Arg	c.758C>G	NEGATIVE	COSM49170
FGFR2	p.Pro253Leu	c.758C>T	NEGATIVE	COSM537801
FGFR2	p.Ser252Trp	c.755C>G	NEGATIVE	COSM36903
FGFR2	p.Tyr375Cys	c.1124A>G	NEGATIVE	COSM36904
FGFR2	p.Tyr375His	c.1123T>C	NEGATIVE	COSM1560916
FGFR3	p.Arg248Cys	c.742C>T	NEGATIVE	COSM714
FGFR3	p.Gly697Cys	c.2089G>T	NEGATIVE	COSM24802
FGFR3	p.Lys650Asn	c.1950G>T	NEGATIVE	COSM1428730
FGFR3	p.Lys650Gln	c.1948A>C	NEGATIVE	COSM726
FGFR3	p.Lys650Glu	c.1948A>G	NEGATIVE	COSM719
FGFR3	p.Ser249Cys	c.746C>G	NEGATIVE	COSM715
HRAS	p.Gln61Arg	c.182A>G	NEGATIVE	COSM499
HRAS	p.Gln61His	c.183G>T	NEGATIVE	COSM502
HRAS	p.Gln61His	c.183G>C	NEGATIVE	COSM503
HRAS	p.Gln61Leu	c.182A>T	NEGATIVE	COSM498
HRAS	p.Gln61Lys	c.181C>A	NEGATIVE	COSM496
HRAS	p.Gln61Pro	c.182A>C	NEGATIVE	COSM500
HRAS	p.Gly12Ala	c.35G>C	NEGATIVE	COSM485
HRAS	p.Gly12Arg	c.34G>C	NEGATIVE	COSM482
HRAS	p.Gly12Asp	c.35G>A	NEGATIVE	COSM484
HRAS	p.Gly12Cys	c.34G>T	NEGATIVE	COSM481
HRAS	p.Gly12Ser	c.34G>A	NEGATIVE	COSM480
HRAS	p.Gly12Val	c.35G>T	NEGATIVE	COSM483
HRAS	p.Gly13Arg	c.37G>C	NEGATIVE	COSM486
HRAS	p.Gly13Asp	c.38G>A	NEGATIVE	COSM490
HRAS	p.Gly13Cys	c.37G>T	NEGATIVE	COSM488
HRAS	p.Gly13Ser	c.37G>A	NEGATIVE	COSM487
HRAS	p.Gly13Val	c.38G>T	NEGATIVE	COSM489
KIT	p.Arg796Lys	c.2387G>A	NEGATIVE	COSM1600411
KIT	p.Asn822Lys	c.2466T>A	NEGATIVE	COSM1321

Clinical Test Report : Oncomine™ Dx Target Test US v3.4

Sample ID: ADF34_Sample3_20211110080328_N9AL6HX2 Date Of Birth: 01 FEB 1980

Date: 23 MAR 2022

Draft Report

Gene	Amino Acid Change	Nucleotide Change	Test Result	Hotspot ID
KIT	p.Asn822Lys	c.2466T>G	NEGATIVE	COSM1322
KIT	p.Asp419_Arg420del	c.1255_1260delGACAGG	NEGATIVE	COSM1578132
KIT	p.Asp419del	c.1255_1257delGAC	NEGATIVE	COSM29014
KIT	p.Asp579del	c.1735_1737delGAT	NEGATIVE	COSM1294
KIT	p.Asp816His	c.2446G>C	NEGATIVE	COSM1311
KIT	p.Asp816Tyr	c.2446G>T	NEGATIVE	COSM1310
KIT	p.Asp816Val	c.2447A>T	NEGATIVE	COSM1314
KIT	p.Leu576Pro	c.1727T>C	NEGATIVE	COSM1290
KIT	p.Lys642Glu	c.1924A>G	NEGATIVE	COSM1304
KIT	p.Trp557_Lys558del	c.1669_1674delTGGAAAG	NEGATIVE	COSM1217
KIT	p.Trp557_Val559delinsPhe	c.1670_1675delGGAAGG	NEGATIVE	COSM1226
KIT	p.Trp557Arg	c.1669T>A	NEGATIVE	COSM1216
KIT	p.Trp557Arg	c.1669T>C	NEGATIVE	COSM1219
KIT	p.Trp557Gly	c.1669T>G	NEGATIVE	COSM1221
KIT	p.Val559Ala	c.1676T>C	NEGATIVE	COSM1255
KIT	p.Val559Asp	c.1676T>A	NEGATIVE	COSM1252
KIT	p.Val559del	c.1679_1681delTTG	NEGATIVE	COSM1247
KIT	p.Val559Gly	c.1676T>G	NEGATIVE	COSM1253
KIT	p.Val560Asp	c.1679T>A	NEGATIVE	COSM1257
KIT	p.Val654Ala	c.1961T>C	NEGATIVE	COSM12706
KIT	p.Val825Ala	c.2474T>C	NEGATIVE	COSM1323
KRAS	p.Ala146Pro	c.436G>C	NEGATIVE	COSM19905
KRAS	p.Ala146Thr	c.436G>A	NEGATIVE	COSM19404
KRAS	p.Ala146Val	c.437C>T	NEGATIVE	COSM19900
KRAS	p.Ala59Glu	c.176C>A	NEGATIVE	COSM547
KRAS	p.Ala59Gly	c.176C>G	NEGATIVE	COSM28518
KRAS	p.Ala59Thr	c.175G>A	NEGATIVE	COSM546
KRAS	p.Gln61Arg	c.182A>G	NEGATIVE	COSM552
KRAS	p.Gln61Glu	c.181C>G	NEGATIVE	COSM550
KRAS	p.Gln61His	c.183A>T	NEGATIVE	COSM555
KRAS	p.Gln61His	c.183A>C	NEGATIVE	COSM554
KRAS	p.Gln61Leu	c.182A>T	NEGATIVE	COSM553
KRAS	p.Gln61Lys	c.181C>A	NEGATIVE	COSM549
KRAS	p.Gln61Lys	c.180_181delTCinsAA	NEGATIVE	COSM87298
KRAS	p.Gln61Pro	c.182A>C	NEGATIVE	COSM551
KRAS	p.Gly12Ala	c.35G>C	NEGATIVE	COSM522
KRAS	p.Gly12Arg	c.34G>C	NEGATIVE	COSM518
KRAS	p.Gly12Asp	c.35G>A	NEGATIVE	COSM521
KRAS	p.Gly12Cys	c.34G>T	NEGATIVE	COSM516
KRAS	p.Gly12Phe	c.34_35delGGinsTT	NEGATIVE	COSM512
KRAS	p.Gly12Ser	c.34G>A	NEGATIVE	COSM517
KRAS	p.Gly12Val	c.35G>T	NEGATIVE	COSM520
KRAS	p.Gly13Ala	c.38G>C	NEGATIVE	COSM533
KRAS	p.Gly13Arg	c.37G>C	NEGATIVE	COSM529
KRAS	p.Gly13Asp	c.38_39delGCinsAT	NEGATIVE	COSM531
KRAS	p.Gly13Asp	c.38G>A	NEGATIVE	COSM532
KRAS	p.Gly13Cys	c.37G>T	NEGATIVE	COSM527
KRAS	p.Gly13Ser	c.37G>A	NEGATIVE	COSM528

Clinical Test Report : Oncomine™ Dx Target Test US v3.4

Sample ID: **ADF34_Sample3_20211110080328_N9AL6HX2** Date Of Birth: **01 FEB 1980**

Date: **23 MAR 2022**

Draft Report

Gene	Amino Acid Change	Nucleotide Change	Test Result	Hotspot ID
KRAS	p.Gly13Val	c.38G>T	NEGATIVE	COSM534
KRAS	p.Lys117Asn	c.351A>T	NEGATIVE	COSM28519
KRAS	p.Lys117Asn	c.351A>C	NEGATIVE	COSM19940
MAP2K1	p.Glu203Lys	c.607G>A	NEGATIVE	COSM232755
MAP2K1	p.Glu203Val	c.608A>T	NEGATIVE	COSM3386991
MAP2K1	p.Lys57Asn	c.171G>C	NEGATIVE	COSM5520914
MAP2K1	p.Lys57Asn	c.171G>T	NEGATIVE	COSM1235478
MAP2K1	p.Lys57Met	c.170A>T	NEGATIVE	MAN124
MAP2K1	p.Lys57Thr	c.170A>C	NEGATIVE	COSM4756761
MAP2K1	p.Phe53Ile	c.157T>A	NEGATIVE	COSM3503329
MAP2K1	p.Phe53Leu	c.157T>C	NEGATIVE	COSM555604
MAP2K1	p.Phe53Leu	c.159T>A	NEGATIVE	COSM1725008
MAP2K1	p.Phe53Leu	c.159T>G	NEGATIVE	COSM2257208
MAP2K1	p.Phe53Val	c.157T>G	NEGATIVE	COSM1562837
MAP2K1	p.Pro124Gln	c.371C>A	NEGATIVE	COSM1167912
MAP2K1	p.Pro124Leu	c.371C>T	NEGATIVE	COSM1315861
MAP2K1	p.Pro124Ser	c.370C>T	NEGATIVE	COSM235614
MAP2K2	p.Gln60Pro	c.179A>C	NEGATIVE	COSM145610
MAP2K2	p.Phe57Leu	c.171T>G	NEGATIVE	OM3158
MAP2K2	p.Phe57Leu	c.171T>A	NEGATIVE	COSM3389034
MAP2K2	p.Phe57Leu	c.169T>C	NEGATIVE	COSM1235618
MAP2K2	p.Phe57Val	c.169T>G	NEGATIVE	COSM3534171
MET	NA	NA	NEGATIVE	COSM29633
MET	NA	NA	NEGATIVE	COSM24687
MET	NA	NA	NEGATIVE	COSM35468
MET	p.His1112Arg	c.3335A>G	NEGATIVE	COSM703
MET	p.His1112Leu	c.3335A>T	NEGATIVE	COSM698
MET	p.His1112Tyr	c.3334C>T	NEGATIVE	COSM696
MET	p.Met1268Ile	c.3804G>A	NEGATIVE	COSM694
MET	p.Met1268Thr	c.3803T>C	NEGATIVE	COSM691
MET	p.Thr1010Ile	c.3029C>T	NEGATIVE	COSM707
MET	p.Tyr1021Asn	c.3061T>A	NEGATIVE	COSM48564
MET	p.Tyr1021Phe	c.3062A>T	NEGATIVE	COSM339515
MET	p.Tyr1248Cys	c.3743A>G	NEGATIVE	COSM699
MET	p.Tyr1248His	c.3742T>C	NEGATIVE	COSM690
MET	p.Tyr1253Asp	c.3757T>G	NEGATIVE	COSM700
MTOR	p.Cys1483Arg	c.4447T>C	NEGATIVE	COSM3747775
MTOR	p.Cys1483Phe	c.4448G>T	NEGATIVE	COSM462616
MTOR	p.Cys1483Trp	c.4449C>G	NEGATIVE	OM3149
MTOR	p.Cys1483Tyr	c.4448G>A	NEGATIVE	COSM462615
MTOR	p.Glu1799Lys	c.5395G>A	NEGATIVE	COSM180789
MTOR	p.Leu2427Arg	c.7280T>G	NEGATIVE	COSM2119114
MTOR	p.Leu2427Gln	c.7280T>A	NEGATIVE	COSM1185313
MTOR	p.Phe1888Ile	c.5662T>A	NEGATIVE	COSM3358968
MTOR	p.Phe1888Leu	c.5664C>G	NEGATIVE	COSM462604
MTOR	p.Phe1888Leu	c.5664C>A	NEGATIVE	COSM893813
MTOR	p.Phe1888Leu	c.5662T>C	NEGATIVE	COSM3358967
MTOR	p.Phe1888Val	c.5662T>G	NEGATIVE	COSM893814

Clinical Test Report : Oncomine™ Dx Target Test US v3.4

Sample ID: **ADF34_Sample3_20211110080328_N9AL6HX2** Date Of Birth: **01 FEB 1980**

Date: 23 MAR 2022

Draft Report

Gene	Amino Acid Change	Nucleotide Change	Test Result	Hotspot ID
MTOR	p.Ser2215Phe	c.6644C>T	NEGATIVE	COSM1686998
MTOR	p.Ser2215Pro	c.6643T>C	NEGATIVE	COSM1560108
MTOR	p.Ser2215Tyr	c.6644C>A	NEGATIVE	COSM20417
MTOR	p.Thr1977Arg	c.5930C>G	NEGATIVE	COSM462602
MTOR	p.Thr1977Lys	c.5930C>A	NEGATIVE	COSM462601
MTOR	p.Thr1977Ser	c.5929A>T	NEGATIVE	COSM1289945
MTOR	p.Val2006Ile	c.6016G>A	NEGATIVE	COSM893804
MTOR	p.Val2006Leu	c.6016G>C	NEGATIVE	COSM1134662
MTOR	p.Val2006Phe	c.6016G>T	NEGATIVE	COSM249481
NRAS	p.Ala146Thr	c.436G>A	NEGATIVE	COSM27174
NRAS	p.Ala146Val	c.437C>T	NEGATIVE	COSM4170228
NRAS	p.Ala59Thr	c.175G>A	NEGATIVE	COSM578
NRAS	p.Gln61Arg	c.182A>G	NEGATIVE	COSM584
NRAS	p.Gln61Glu	c.181C>G	NEGATIVE	COSM581
NRAS	p.Gln61His	c.183A>T	NEGATIVE	COSM585
NRAS	p.Gln61His	c.183A>C	NEGATIVE	COSM586
NRAS	p.Gln61Leu	c.182A>T	NEGATIVE	COSM583
NRAS	p.Gln61Lys	c.181C>A	NEGATIVE	COSM580
NRAS	p.Gln61Pro	c.182A>C	NEGATIVE	COSM582
NRAS	p.Gly12Ala	c.35G>C	NEGATIVE	COSM565
NRAS	p.Gly12Arg	c.34G>C	NEGATIVE	COSM561
NRAS	p.Gly12Asp	c.35G>A	NEGATIVE	COSM564
NRAS	p.Gly12Cys	c.34G>T	NEGATIVE	COSM562
NRAS	p.Gly12Ser	c.34G>A	NEGATIVE	COSM563
NRAS	p.Gly12Val	c.35G>T	NEGATIVE	COSM566
NRAS	p.Gly13Ala	c.38G>C	NEGATIVE	COSM575
NRAS	p.Gly13Arg	c.37G>C	NEGATIVE	COSM569
NRAS	p.Gly13Asp	c.38G>A	NEGATIVE	COSM573
NRAS	p.Gly13Cys	c.37G>T	NEGATIVE	COSM570
NRAS	p.Gly13Ser	c.37G>A	NEGATIVE	COSM571
NRAS	p.Gly13Val	c.38G>T	NEGATIVE	COSM574
NRAS	p.Lys117Asn	c.351G>T	NEGATIVE	MAN13
PDGFRA	p.Asn659Lys	c.1977C>A	NEGATIVE	COSM22415
PDGFRA	p.Asn659Lys	c.1977C>G	NEGATIVE	COSM22414
PDGFRA	p.Asn659Tyr	c.1975A>T	NEGATIVE	COSM22416
PDGFRA	p.Asp842_His845del	c.2526_2537delCATCATGCATGA	NEGATIVE	COSM737
PDGFRA	p.Asp842_Met844del	c.2524_2532delGACATCATG	NEGATIVE	COSM12401
PDGFRA	p.Asp842Tyr	c.2524G>T	NEGATIVE	COSM12396
PDGFRA	p.Asp842Val	c.2525A>T	NEGATIVE	COSM736
PDGFRA	p.Ile843_Asp846del	c.2527_2538delATCATGCA TGAT	NEGATIVE	COSM12400
PDGFRA	p.Ile843_Ser847delinsThr	c.2528_2539delTCATGCATGATT	NEGATIVE	COSM12407
PDGFRA	p.Val561Asp	c.1682T>A	NEGATIVE	COSM739
PIK3CA	p.Arg108His	c.323G>A	NEGATIVE	COSM27497

Clinical Test Report : Oncomine™ Dx Target Test US v3.4

Sample ID: ADF34_Sample3_20211110080328_N9AL6HX2 Date Of Birth: 01 FEB 1980

Date: 23 MAR 2022

Draft Report

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PIK3CA	p.Arg38Cys	c.112C>T	NEGATIVE	COSM744
PIK3CA	p.Arg38Gly	c.112C>G	NEGATIVE	COSM40945
PIK3CA	p.Arg38His	c.113G>A	NEGATIVE	COSM745
PIK3CA	p.Arg38Ser	c.112C>A	NEGATIVE	COSM87310
PIK3CA	p.Arg88Gln	c.263G>A	NEGATIVE	COSM746
PIK3CA	p.Arg93Gln	c.278G>A	NEGATIVE	COSM86041
PIK3CA	p.Arg93Trp	c.277C>T	NEGATIVE	COSM27493
PIK3CA	p.Asn1044Lys	c.3132T>A	NEGATIVE	COSM12592
PIK3CA	p.Asn345Ile	c.1034A>T	NEGATIVE	COSM94978
PIK3CA	p.Asn345Lys	c.1035T>A	NEGATIVE	COSM754
PIK3CA	p.Cys378Arg	c.1132T>C	NEGATIVE	COSM756
PIK3CA	p.Cys378Phe	c.1133G>T	NEGATIVE	COSM21450
PIK3CA	p.Cys378Tyr	c.1133G>A	NEGATIVE	COSM1041478
PIK3CA	p.Cys420Arg	c.1258T>C	NEGATIVE	COSM757
PIK3CA	p.Cys901Arg	c.2701T>C	NEGATIVE	COSM1420899
PIK3CA	p.Cys901Phe	c.2702G>T	NEGATIVE	COSM769
PIK3CA	p.Cys901Tyr	c.2702G>A	NEGATIVE	COSM1420901
PIK3CA	p.Gln546Arg	c.1637A>G	NEGATIVE	COSM12459
PIK3CA	p.Gln546Glu	c.1636C>G	NEGATIVE	COSM6147
PIK3CA	p.Gln546Lys	c.1636C>A	NEGATIVE	COSM766
PIK3CA	p.Gln546Pro	c.1637A>C	NEGATIVE	COSM767
PIK3CA	p.Glu365Gly	c.1094A>G	NEGATIVE	COSM1420797
PIK3CA	p.Glu365Lys	c.1093G>A	NEGATIVE	COSM86044
PIK3CA	p.Glu365Val	c.1094A>T	NEGATIVE	COSM1484860
PIK3CA	p.Glu39Lys	c.115G>A	NEGATIVE	COSM30625
PIK3CA	p.Glu542Lys	c.1624G>A	NEGATIVE	COSM760
PIK3CA	p.Glu542Val	c.1625A>T	NEGATIVE	COSM762
PIK3CA	p.Glu545Ala	c.1634A>C	NEGATIVE	COSM12458
PIK3CA	p.Glu545Asp	c.1635G>C	NEGATIVE	COSM27374
PIK3CA	p.Glu545Asp	c.1635G>T	NEGATIVE	COSM765
PIK3CA	p.Glu545Gln	c.1633G>C	NEGATIVE	COSM27133
PIK3CA	p.Glu545Gly	c.1634A>G	NEGATIVE	COSM764
PIK3CA	p.Glu545Lys	c.1633G>A	NEGATIVE	COSM763
PIK3CA	p.Glu547Lys	c.1639G>A	NEGATIVE	COSM29315
PIK3CA	p.Glu726Gly	c.2177A>G	NEGATIVE	COSM1420887
PIK3CA	p.Glu726Lys	c.2176G>A	NEGATIVE	COSM87306
PIK3CA	p.Glu81Lys	c.241G>A	NEGATIVE	COSM27502
PIK3CA	p.Gly1049Arg	c.3145G>C	NEGATIVE	COSM12597
PIK3CA	p.Gly1049Ser	c.3145G>A	NEGATIVE	COSM777
PIK3CA	p.Gly106Val	c.317G>T	NEGATIVE	COSM748
PIK3CA	p.His1047Arg	c.3140A>G	NEGATIVE	COSM775
PIK3CA	p.His1047Leu	c.3140A>T	NEGATIVE	COSM776
PIK3CA	p.His1047Tyr	c.3139C>T	NEGATIVE	COSM774
PIK3CA	p.His701Arg	c.2102A>G	NEGATIVE	COSM1420881
PIK3CA	p.His701Pro	c.2102A>C	NEGATIVE	COSM778
PIK3CA	p.Lys111Glu	c.331A>G	NEGATIVE	COSM13570
PIK3CA	p.Met1043Ile	c.3129G>A	NEGATIVE	COSM29313
PIK3CA	p.Met1043Ile	c.3129G>T	NEGATIVE	COSM773

Clinical Test Report : Oncomine™ Dx Target Test US v3.4

Sample ID: **ADF34_Sample3_20211110080328_N9AL6HX2** Date Of Birth: **01 FEB 1980**

Date: **23 MAR 2022**

Draft Report

Gene	Amino Acid Change	Nucleotide Change	Test Result	Hotspot ID
PIK3CA	p.Met1043Val	c.3127A>G	NEGATIVE	COSM12591
PIK3CA	p.Pro539Arg	c.1616C>G	NEGATIVE	COSM759
PIK3CA	p.Thr1025Ala	c.3073A>G	NEGATIVE	COSM771
PIK3CA	p.Tyr1021Cys	c.3062A>G	NEGATIVE	COSM12461
PIK3CA	p.Val344Ala	c.1031T>C	NEGATIVE	COSM86951
PIK3CA	p.Val344Gly	c.1031T>G	NEGATIVE	COSM22540
RAF1	p.Ser257Leu	c.770C>T	NEGATIVE	COSM181063
RAF1	p.Ser257Trp	c.770C>G	NEGATIVE	COSM581519
RAF1	p.Thr421Met	c.1262_1263delCCinsTG	NEGATIVE	MAN9
RET	p.Ala883Phe	c.2646_2648delAGCinsTTT	NEGATIVE	COSM981
RET	p.Ala883Ser	c.2647G>T	NEGATIVE	COSM133167
RET	p.Asp898_Glu901del	c.2694_2705delTGTTTATG AAGA	NEGATIVE	COSM962
RET	p.Cys618Arg	c.1852T>C	NEGATIVE	COSM29803
RET	p.Cys618Tyr	c.1853G>A	NEGATIVE	COSM980
RET	p.Cys620Arg	c.1858T>C	NEGATIVE	COSM29804
RET	p.Cys634Arg	c.1900T>C	NEGATIVE	COSM966
RET	p.Glu768Asp	c.2304G>C	NEGATIVE	COSM21338
RET	p.Glu768Gly	c.2303A>G	NEGATIVE	COSM1347811
RET	p.Met918Thr	c.2753T>C	NEGATIVE	COSM965
ROS1	p.Gly2032Arg	c.6094G>C	NEGATIVE	MAN11
ROS1	p.Gly2032Arg	c.6094G>A	NEGATIVE	MAN10
ROS1	p.Leu1951Met	c.5851C>A	NEGATIVE	COSM1072521