

Lista pannelli NGS e geni inclusi

Oncomine™ Comprehensive Assay v3 146 geni	Alterazioni identificate*: SNV, INDEL
<i>ARAF, ARID1A, ATM, ATR, ATRX, BAP1, BRCA1, BRAC2, BTK, CBL, CDK12, CDKN1B, CDKN2A, CDKN2B, CHEK1, CHEK2, CREBBP, CSF1R, CTNNB1, DDR2, ERBB3, ERBB4, ERCC2, EZH2, FANCA, FANCD2, FANCI, FBXW7, FOXL2, GATA2, GNA11, GNAQ, GNAS, H3F3A, HIST1H3B, HNF1A, HRAS, IDH1, IDH2, JAK1, JAK2, JAK3, KDR, KNSTRN, MAGOH, MAP2K1, MAP2K2, MAP2K4, MAPK1, MAX, MED12, MLH1, MRE11A, MSH2, MSH6, MTOR, MYD88, NBN, NF1, NF2, NFE2L2, NOTCH1, NOTCH2, NOTCH3, NRAS, PALB2, PIK3R1, PMS2, POLE, PP2R1A, PTCH1, PTEN, PTPN1, RAC1, RAD50, RAD51, RAD51B, RAD51C, RAD51D, RAF1, RB1, RET, RHEB, RHOA, RNF43, ROS1, SETD2, SF3B1, SLX4, SMAD4, SMARCA4, SMARCB1, SMO, SPOP, SRC, STAT3, STK11, TOP1, TP53, TSC1, TSC2, U2AF1, XPO</i>	
<i>AKT1, AKT2, AKT3, ALK, AR, AXL, BRAF, CCND1, CDK4, CDK6, EGFR, ERBB2, ESR1, FGFR1, FGFR2, FGFR3, FGFR4, FLT3, KIT, KRAS, MDM4, MET, MYC, MYCN, NTRK1, NTRK2, NTRK3, PDGFRA, PDGFRB, PIK3CA, PIK3CB, TERT</i>	
<i>CCND2, CCND3, CCNE, CDK2, FGF19, FGF3, IGF1R, MDM2, MYCL, PPARG, RICTOR</i>	
Ion AmpliSeq™ Cancer Hotspot Panel v2 50 geni	Alterazioni identificate*: SNV, INDEL
<i>ABL1, AKT1, ALK, APC, ATM, BRAF, CDH1, CDKN2A, CSFR1, CTNNB1, EGFR, ERBB2, ERBB4, EZH2, FBXW7, FGFR1, FGFR2, FGFR3, FLT3, GNA11, GNAS, GNAQ, HNF1A, HRAS, IDH1, IDH2, JAK2, JAK3, KDR, KIT, KRAS, MET, MLH1, MPL, NOTCH1, NPM1, NRAS, PDGFRA, PIK3CA, PTEN, PTPN11, RB1, RET, SMAD4, SMARCB1, SMO, SRC, STK11, TP53, VHL</i>	
Ion AmpliSeq™ Lung Cancer Panel v2 22 geni	Alterazioni identificate*: SNV, INDEL
<i>AKT1, ALK, BRAF, CTNNB1, DDR2, EGFR, ERBB2, ERBB4, FBXW7, FGFR1, FGFR2, FGFR3, KRAS, MAP2K1, MET, NRAS, NOTCH, PIK3CA, PTEN, STK11, SMAD4, TP53</i>	
Endometrial Custom Panel 6 geni	Alterazioni identificate*: SNV, INDEL
<i>POLE, KRAS, PTEN, PIK3CA, TP53, CTNNB1</i>	
Oncomine™ BRCA Research Assay 2 geni	Alterazioni identificate*: SNV, INDEL
<i>BRCA1, BRCA2</i>	

* SNV: single nucleotide variant (mutazioni a singolo nucleotide), INDEL: inserzioni e delezioni di corte regioni nucleotidiche, CNV: copy number variation (amplificazioni e copy number gain)

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Archer FusionPlex Lung 14 geni	Alterazioni identificate: geni di fusione
<i>ALK, BRAF, EGFR, FGFR1, FGFR2, FGFR3, KRAS, MET, NRG1, NTRK1, NTRK2, NTRK3, RET, ROS1</i>	
Oncomine™ Colon cfDNA Assay 14 geni	Alterazioni identificate*: SNV, INDEL
<i>AKT1, APC, BRAF, CTNNB1, EGFR, ERBB2, FBXW7, GNAS, KRAS, MAP2K1 (MEK1), NRAS, PIK3CA, SMAD4, TP53</i>	
Oncomine™ Lung cfDNA Assay 11 geni	Alterazioni identificate*: SNV, INDEL
<i>ALK, BRAF, EGFR, ERBB2, KRAS, MAP2K1(MEK1), MET, NRAS, PIK3CA, ROS1, TP53</i>	
Lymphoma Custom Panel 172 geni	Alterazioni identificate*: SNV, INDEL
<i>ACTB, ARID1A, ARID5B, ATM, B2M, BCL10, BCL11A, BCL2, BCL6, BCL7A, BCOR, BIRC3, BRAF, BTG1, BTG2, BTK, CALR, CARD11, CCND1, CCND3, CCR4, CD19, CD274, CD28, CD58, CD70, CD79A, CD79B, CD83, CDKN1A, CDKN1B, CDKN2A, CDKN2B, CIITA, CREBBP, CTNNB1, CTSS, CXCR4, CXCR5, DDX3X, DNMT3A, DTX1, EBF1, EGR2, EP300, EPHA7, ETS1, ETV6, EZH2, FAS, FBXW7, FLT3, FOXC1, FOXO1, FYN, GATA3, GNA13, GNAI2, GRHRP, HIST1H1B, HIST1H1C, HIST1H1D, HIST1H1E, HIST1H2AC, HIST1H2AM, HIST1H2BC, HIST1H2BK, HNF1B, HRAS, HVCN1, ID3, IDH1, IDH2, IGLL5, IKBKB, IKZF1, IKZF3, IL16, IL4R, IRF2BP2, IRF4, IRF8, ITGAE, ITPKB, JAK1, JAK2, JAK3, KIT, KLF2, KLHL6, KLHL14, KLHL21, KMT2C, KMT2D, KRAS, LTB, MAP2K1, MCL1, MEF2B, MEF2C, MGA, MS4A1, MYC, MYD88, NFKBIA, NFKBIE, NFKBIZ, NOL9, NOTCH1, NOTCH2, NRAS, P2RY8, PAX5, PCBP1, PHF6, PIK3CA, PIK3CD, PIK3R1, PIM1, PLCG1, PLCG2, POT1, PPM1D, PPP1R9B, PRDM1, PRKCB, PTEN, PTPN1, PTPN11, PTPRD, PTPRK, RB1, RELN, RERE, RHOA, RPS15, RRAGC, S1PR2, SAMHD1, SETD1B, SETD2, SF3B1, SGK1, SMARCA4, SOCS1, SOCS3, SPEN, STAT3, STAT5B, STAT6, TBL1XR1, TCF3, TET2, TMEM30A, TMSB4X, TNFAIP3, TNFRSF14, TOX, TP53, TRAF2, TRAF3, TRIP12, TRRAP, UBE2A, VMP1, VPS13B, WEE1, WHSC1, XPO1, ZC3H12A, ZEB2, ZFP36L1.</i>	

Per ulteriori informazioni:

<https://www.thermofisher.com/ch/en/home.html>

<https://archerdx.com/>

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