OncoNext Liquid™ *Monitor & Scan*
15 γονίδια

Γονίδια που αναλύονται και η συσχέτισή τους με διαφορετικούς τύπους καρκίνου.

Γονίδια	Τύποι καρκίνου
AKT1	Μαστού, Πνεύμονα, Ορθοκολικός*
BRAF	Μελάνωμα*, Ορθοκολικός * Πνεύμονα, Ωοθηκών, Στομάχου, Γλίωμα, Θυροειδούς, Πάγκρεας, Προστάτη
EGFR	Πνεύμονα *; Κεφαλής και τραχήλου, Προστάτη
ERBB2	Μαστού, Πνεύμονα
FOXL2	Ωοθηκών
GNA11	Μελάνωμα
GNAQ	Μελάνωμα
KIT	Στομάχου, Μελάνωμα *, Θύμου αδένα
KRAS	Ορθοκολικός *, Στομάχου, Πνεύμονα *, Ωοθηκών, Θυροειδούς, Ενδομητρίου, Πάγκρεας, Προστάτη
MET	Πνεύμονα *, Ορθοκολικός , Στομάχου
NRAS	Ορθοκολικός *, Πνεύμονα, Μελάνωμα, Θυροειδούς
PDGFRA	Στομάχου, Μελάνωμα,
PIK3CA	Πνεύμονα, Μαστού, Προστάτη, Ορθοκολικός, Ωοθηκών, Κεφαλής και τραχήλου, Πάγκρεας, Θυροειδούς
RET	Πνεύμονα *, Θυροειδούς
TP53	Πνεύμονα, Μελάνωμα, Ωοθηκών, Ορθοκολικός, Μαστού, Ενδομητρίου, Κεφαλής και τραχήλου, Νεφρών, Πάγκρεας, Προστάτη, Θυροειδούς

*Σύμφωνα με τις κατευθυντήριες οδηγίες της NCNN.

OncoNext Liquid™ *Monitor & Scan*
15 γονίδια

Μεταλλάξεις που ανιχνεύονται με το OncoNext Liquid™ Monitor & Scan 15 γονίδια

REFSEQ	GENE	EXON	MUTATION Protein	MUTATION cDNA	Sequencing depth
NM_005163	**AKT1**	3	E17K	c.49G>A	340000
NM_004333	**BRAF**	15	D594N	c.1779_1780delTGinsGA	308000
NM_004333	**BRAF**	15	D594N	c.1780G>A	308000
NM_004333	**BRAF**	15	D594H	c.1780G>C	308000
NM_004333	**BRAF**	15	D594G	c.1781A>G	308000
NM_004333	**BRAF**	15	D594V	c.1781A>T	308000
NM_004333	**BRAF**	15	D594E	c.1782T>A	308000
NM_004333	**BRAF**	15	D594E	c.1782T>G	308000
NM_004333	**BRAF**	15	G596R	c.1786G>C	308000
NM_004333	**BRAF**	15	L597S	c.1789_1790delCTinsTC	308000
NM_004333	**BRAF**	15	L597V	c.1789C>G	308000
NM_004333	**BRAF**	15	L597Q	c.1790T>A	308000
NM_004333	**BRAF**	15	L597R	c.1790T>G	308000
NM_004333	**BRAF**	15	V600K	c.1798_1799delGTinsAA	308000
NM_004333	**BRAF**	15	V600R	c.1798_1799delGTinsAG	308000
NM_004333	**BRAF**	15	V600M	c.1798G>A	308000
NM_004333	**BRAF**	15	V600E	c.1799_1800delTGinsAA	308000
NM_004333	**BRAF**	15	V600D	c.1799_1800delTGinsAT	308000
NM_004333	**BRAF**	15	V600E	c.1799T>A	308000
NM_004333	**BRAF**	15	V600G	c.1799T>G	308000
NM_004333	**BRAF**	15	K601E	c.1801A>G	308000
NM_005228	**EGFR**	18	G719S	c.2155G>A	84200
NM_005228	**EGFR**	18	G719C	c.2155G>T	84200
NM_005228	**EGFR**	18	G719A	c.2156G>C	84200

NM_005228	**EGFR**	19	K745_E749del	c.2233_2247del15)	50000
NM_005228	**EGFR**	19	E746_A750>IP	c.2235_2248delGGAATTAAGAGAAGinsAATTC	50000
NM_005228	**EGFR**	19	E746_A750del	c.2235_2249delGGAATTAAGAGAAGC	50000
NM_005228	**EGFR**	19	E746_T751>IP	c.2235_2251delinsAATTC	50000
NM_005228	**EGFR**	19	E746_T751>I	c.2235_2252delinsAAT	50000
NM_005228	**EGFR**	19	E746_S752>I	c.2235_2255delinsAAT	50000
NM_005228	**EGFR**	19	E746_A750del	c.2236_2250delGAATTAAGAGAAGCA	50000
NM_005228	**EGFR**	19	E746_T751del	c.2236_2253del18	50000
NM_005228	**EGFR**	19	E746_T751>A	c.2237_2251del15	50000
NM_005228	**EGFR**	19	E746_T751>V	c.2237_2252delinsT	50000
NM_005228	**EGFR**	19	E746_T751>VA	c.2237_2253delinsTTGCT	50000
NM_005228	**EGFR**	19	E746_S752>A	c.2237_2254del18	50000
NM_005228	**EGFR**	19	E746_S752>V	c.2237_2255delinsT	50000
NM_005228	**EGFR**	19	E746_P753>VS	c.2237_2257del21insTCT	50000
NM_005228	**EGFR**	19	L747_A750>P	c.2238_2248delATTAAGAGAAGinsGC	50000
NM_005228	**EGFR**	19	L747_T751del	c.2238_2252del	50000
NM_005228	**EGFR**	19	L747_T751>Q	c.2238_2252delinsGCA	50000
NM_005228	**EGFR**	19	E746_S752>D	c.2238_2255del18	50000
NM_005228	**EGFR**	19	L747_E749del	c.2239_2247delTTAAGAGAA	50000
NM_005228	**EGFR**	19	L747_A750>P	c.2239_2248delTTAAGAGAAGinsC	50000
NM_005228	**EGFR**	19	L747_S752del	c.2239_2256del18	50000
NM_005228	**EGFR**	19	L747_S752>Q	c.2239_2256delinsCAA	50000
NM_005228	**EGFR**	19	L747_P753>Q	c.2239_2258delinsCA	50000
NM_005228	**EGFR**	19	L747_T751>S	c.2240_2251del	50000
NM_005228	**EGFR**	19	Exon 19 Deletions		50000
NM_005228	**EGFR**	19	Exon 19 Insertions		50000
NM_005228	**EGFR**	20	A763_Y764insFQEA	c.2290_2291ins	50000

NM_005228	**EGFR**	20	S768I	c.2303G>T	50000
NM_005228	**EGFR**	20	T790M	c.2369C>T	29400
NM_005228	**EGFR**	20	Exon 20 Insertions		50000
NM_004448	**ERBB2**	19	L755P	c.2263_2264delTTinsCC	150000
NM_004448	**ERBB2**	19	L755_T759del	c.2264_2278del	150000
NM_004448	**ERBB2**	19	L755S	c.2264T>C	150000
NM_004448	**ERBB2**	19	D769H	c.2305G>C	150000
NM_004448	**ERBB2**	19	D769Y	c.2305G>T	150000
NM_004448	**ERBB2**	19		c.2322_2334dupATACGTGATGGC	150000
NM_004448	**ERBB2**	19	G776S	c.2326 G>A	150000
NM_004448	**ERBB2**	20	Exon 20 Insertions		150000
NM_004448	**ERBB2**	20	V777L	c.2329G>T	150000
NM_004448	**ERBB2**	20	G778_P780dup	c.2339_2340ins	150000
NM_023067	**FOXL2**	1	C134W	c.402 C>G	500000
NM_002067	**GNA11**	5	Q209L	c.626A>T	90000
NM_002067	**GNA11**	5	Q209P	c.626A>C	90000
NM_002072	**GNAQ**	5	Q209L	c.626A>T	60000
NM_002072	**GNAQ**	5	Q209P	c.626A>C	60000
NM_002072	**GNAQ**	5	Q209R	c.626A>G	60000
NM_000222	**KIT**	11	556 ins L		25000
NM_000222	**KIT**	11	575 ins PE		25000
NM_000222	**KIT**	11	Del 554–558		25000
NM_000222	**KIT**	11	Del 554–559		25000
NM_000222	**KIT**	11	Del 566–572		25000
NM_000222	**KIT**	11	Del 566–574		25000
NM_000222	**KIT**	11	Del 579		25000
NM_000222	**KIT**	11	Del V559		25000

NM_000222	**KIT**	11	E583_E589dupPYDHKWE		25000
NM_000222	**KIT**	11	Exon 11 Mutations		25000
NM_000222	**KIT**	11	G565V	c.1694G>T	25000
NM_000222	**KIT**	11	K550N	c.1650A>C	25000
NM_000222	**KIT**	11	K558N	c.1674G>C	25000
NM_000222	**KIT**	11	L576P	c.1727T>C	25000
NM_000222	**KIT**	11	N566D	c.1696A>G	25000
NM_000222	**KIT**	11	P577_D579del	c.1730_1738del	25000
NM_000222	**KIT**	11	V559A	c.1676T>C	25000
NM_000222	**KIT**	11	V559D	c.1676T>A	25000
NM_000222	**KIT**	11	V559G	c.1676T>G	25000
NM_000222	**KIT**	11	V560A	c.1679T>C	25000
NM_000222	**KIT**	11	V560D	c.1727T>C (V560D)	25000
NM_000222	**KIT**	11	V560del	c.1679_1681del	25000
NM_000222	**KIT**	11	V560G	c.1679T>G	25000
NM_000222	**KIT**	11	V569G	c.1706T>G	25000
NM_000222	**KIT**	11	W557R	c.1669T>A	25000
NM_000222	**KIT**	11	W557R	c.1669T>C	25000
NM_000222	**KIT**	11	Y553N	c.1657T>A	25000
NM_000222	**KIT**	14	Exon 14 Mutations		25000
NM_000222	**KIT**	14	H697Y	c.2089C>T	25000
NM_004985	**KRAS**	2	Q22K	c.164C>A	25000
NM_004985	**KRAS**	2	G12S	c.34G>A	25000
NM_004985	**KRAS**	2	G12R	c.34G>C	25000
NM_004985	**KRAS**	2	G12C	c.34G>T	25000
NM_004985	**KRAS**	2	G12D	c.35G>A	25000
NM_004985	**KRAS**	2	G12A	c.35G>C	25000

NM_004985	**KRAS**	2	G12V	c.35G>T	25000
NM_004985	**KRAS**	2	G13S	c.37G>A	25000
NM_004985	**KRAS**	2	G13R	c.37G>C	25000
NM_004985	**KRAS**	2	G13C	c.37G>T	25000
NM_004985	**KRAS**	2	G13D	c.38G>A	25000
NM_004985	**KRAS**	2	G13A	c.38G>C	25000
NM_004985	**KRAS**	2	G13V	c.38G>T	25000
NM_004985	**KRAS**	3	Q61K	c.181C>A	25000
NM_004985	**KRAS**	3	Q61P	c.182A>C	25000
NM_004985	**KRAS**	3	Q61R	c.182A>G	25000
NM_004985	**KRAS**	3	Q61L	c.182A>T	25000
NM_004985	**KRAS**	3	Q61H	c.183A>C	25000
NM_004985	**KRAS**	3	Q61H	c.183A>C	25000
NM_004985	**KRAS**	3	Q61H	c.183A>T	25000
NM_004985	**KRAS**	4	K117N	c.351A>C	25000
NM_004985	**KRAS**	4	K117N	c.351A>T	25000
NM_004985	**KRAS**	4	A146T	c.436G>A	25000
NM_004985	**KRAS**	4	A146P	c.436G>C	25000
NM_004985	**KRAS**	4	A146V	c.437C>T	25000
NM_001127	**MET**	18	L1213V	c.3637 C>G	70000
NM_001127	**MET**	18	V1206L	c.3616 G>T	70000
NM_002524	**NRAS**	2	G12S	c.34G>A	60000
NM_002524	**NRAS**	2	G12R	c.34G>C	60000
NM_002524	**NRAS**	2	G12C	c.34G>T	60000
NM_002524	**NRAS**	2	G12D	c.35G>A	60000
NM_002524	**NRAS**	2	G12A	c.35G>C	60000
NM_002524	**NRAS**	2	G12V	c.35G>T	60000

NM_002524	**NRAS**	2	G13R	c.37G>C	60000
NM_002524	**NRAS**	2	G13C	c.37G>T	60000
NM_002524	**NRAS**	2	G13D	c.38G>A	60000
NM_002524	**NRAS**	2	G13A	c.38G>C	60000
NM_002524	**NRAS**	2	G13V	c.38G>T	60000
NM_002524	**NRAS**	3	Q61K	c.181C>A	60000
NM_002524	**NRAS**	3	Q61E	c.181C>G	60000
NM_002524	**NRAS**	3	Q61R	c.182_183delAAinsGG	60000
NM_002524	**NRAS**	3	Q61L	c.182_183delAAinsTG	60000
NM_002524	**NRAS**	3	Q61P	c.182A>C	60000
NM_002524	**NRAS**	3	Q61R	c.182A>G	60000
NM_002524	**NRAS**	3	Q61L	c.182A>T	60000
NM_002524	**NRAS**	3	Q61H	c.183A>C	60000
NM_002524	**NRAS**	3	Q61H	c.183A>T	60000
NM_002524	**NRAS**	3	Q61H	c.183A>T	60000
NM_006206	**PDGFRA**	12	Exon 12 Mutations		70000
NM_006206	**PDGFRA**	12	Y555C	c.1664 A>G	100000
NM_006206	**PDGFRA**	12		c.1679_1693delGGGTCATTGAATCAA	100000
NM_006206	**PDGFRA**	12	V561Rfs	c.1681_1682insAGAGGG	100000
NM_006206	**PDGFRA**	12	V561D	c.1682 T>A	100000
NM_006206	**PDGFRA**	12		c.1696_1713del18	100000
NM_006206	**PDGFRA**	14	Exon 14 Mutations		70000
NM_006206	**PDGFRA**	14		c.2526_2537delCATCATGCATGA	70000
NM_006206	**PDGFRA**	18	Exon 18 Mutations		70000
NM_006206	**PDGFRA**	18	D842V	c.2525 A>T	70000
NM_006206	**PDGFRA**	18	D846Y	c.2536 G>T	70000
NM_006218	**PIK3CA**	9	E542K	c.1624G>A	110000

NM_006218	**PIK3CA**	9	E545K	c.1633G>A	110000
NM_006218	**PIK3CA**	9	E545Q	c.1633G>C	110000
NM_006218	**PIK3CA**	9	E545G	c.1634A>G	110000
NM_006218	**PIK3CA**	9	E545V	c.1634A>T	110000
NM_006218	**PIK3CA**	9	Q546K	c.1636C>A	110000
NM_006218	**PIK3CA**	9	Q546E	c.1636C>G	110000
NM_006218	**PIK3CA**	9	Q546P	c.1637A>C	110000
NM_006218	**PIK3CA**	9	Q546R	c.1637A>G	110000
NM_006218	**PIK3CA**	9	Q546L	c.1637A>T	110000
NM_006218	**PIK3CA**	9	D549N	c.1645G>A	110000
NM_006218	**PIK3CA**	20	M1043I	c.3129G>A	110000
NM_006218	**PIK3CA**	20	H1047Y	c.3139C>T	110000
NM_006218	**PIK3CA**	20	H1047R	c.3140A>G	110000
NM_006218	**PIK3CA**	20	H1047L	c.3140A>T	110000
NM_020975	**RET**	16	M918T	c.2753 T>C	350000
NM_000546	**TP53**		entire coding region		30000-380000