

GENES									
AKT1	ALK	APC	APLN	AR	ARID1A	ATM	BRAF	BRCA1	BRCA2
CCND1	CCNE1	CDH1	CDK4	CDKN2A	cKIT	CSF1R	CTNNB1	DDR2	DPYD
EGFR	ERBB2	ERBB3	ERBB4	ESR1	EZH2	FBXW7	FGFR1	FGFR2	FGFR3
FOXL2	GNA11	GNAQ	GNAS	H3F3A	HNF1A	HRAS	IDH1	IDH2	JAK1
JAK2	JAK3	KRAS	MAP2K1	MAP2K2	MET	MLH1	MPL	MSH2	MSH6
mTOR	NPM1	NRAS	PDGFRA	PDGFRB	PIK3CA	PMS2	POLE	PTEN	PTPN11
RAC1	RAF1	RB1	RET	ROS1	SMAD4	SMARCB1	SMO	SRC	STK11
TERT (prom)	TP53	TPMT	UGT1A1	VHL					

GENES : The complete coding sequence (CDS) is analysed for the genes highlighted in blue.

We improved OncoDEEP[®] by adding :

1. Genes mainly dedicated to immuno and targeted therapies
2. MSI (Microsatellite Instability) testing for Immunotherapy and resistance to 5-FU based chemotherapies
3. Sequences required to perform TMB (Tumor Mutational Burden) analysis for Immunotherapy
4. Highly polymorphic SNPs to detect hemizyosity or LOH (Loss of Heterozygosity) for targeted therapies or prognosis