

Dept. of Molecular Medicine (MOMA), Aarhus University Hospital Denmark
MOMA Cancerpanel v1 (2013-09-01), 76 genes

Input	Approved Symbol	Approved Name	HGNC ID	Location
AIP	AIP	aryl hydrocarbon receptor interacting protein	HGNC:358	11q13.3
APC	APC	adenomatous polyposis coli	HGNC:583	5q21-q22
ATM	ATM	ataxia telangiectasia mutated	HGNC:795	11q22-q23
AXIN2	AXIN2	axin 2	HGNC:904	17q23-q24
BARD1	BARD1	BRCA1 associated RING domain 1	HGNC:952	2q34-q35
BMPR1A	BMPR1A	bone morphogenetic protein receptor, type IA	HGNC:1076	10q22.3
BRAF	BRAF	v-raf murine sarcoma viral oncogene homolog B1	HGNC:1097	7q34
BRCA1	BRCA1	breast cancer 1, early onset	HGNC:1100	17q21.31
BRCA2	BRCA2	breast cancer 2, early onset	HGNC:1101	13q12-q13
BRIP1	BRIP1	BRCA1 interacting protein C-terminal helicase 1	HGNC:20473	17q22.2
CASR	CASR	calcium-sensing receptor	HGNC:1514	3q21.1
CDC73	CDC73	cell division cycle 73	HGNC:16783	1q25
CDH1	CDH1	cadherin 1, type 1, E-cadherin (epithelial)	HGNC:1748	16q22.1
CDKN1A	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	HGNC:1784	6p21.1
CDKN1B	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	HGNC:1785	12p13.1-p12
CDKN2A	CDKN2A	cyclin-dependent kinase inhibitor 2A	HGNC:1787	9p21
CDKN2B	CDKN2B	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	HGNC:1788	9p21
CDKN2C	CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	HGNC:1789	1p32.3
CHEK1	CHEK1	checkpoint kinase 1	HGNC:1925	11q24.2
CHEK2	CHEK2	checkpoint kinase 2	HGNC:16627	22q12.1
DHFR	DHFR	dihydrofolate reductase	HGNC:2861	5q11.2-q13.2
ENG	ENG	endoglin	HGNC:3349	9q34.11
EPCAM	EPCAM	epithelial cell adhesion molecule	HGNC:11529	2p21
EXO1	EXO1	exonuclease 1	HGNC:3511	1q42-q43
FAM175A	FAM175A	family with sequence similarity 175, member A	HGNC:25829	4q21.23
FLCN	FLCN	folliculin	HGNC:27310	17p11.2

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GALNT12	GALNT12	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12 (GalNAc-T12)	HGNC:19877	9q22.33
GNAS	GNAS	GNAS complex locus	HGNC:4392	20q13.2-q13.3
KRAS	KRAS	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	HGNC:6407	12p12.1
MEN1	MEN1	multiple endocrine neoplasia I	HGNC:7010	11q13
MGMT	MGMT	O-6-methylguanine-DNA methyltransferase	HGNC:7059	10q26
MLH1	MLH1	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)	HGNC:7127	3p22.3
MLH3	MLH3	mutL homolog 3 (E. coli)	HGNC:7128	14q24.3
MRE11A	MRE11A	MRE11 meiotic recombination 11 homolog A (S. cerevisiae)	HGNC:7230	11q21
MSH2	MSH2	mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)	HGNC:7325	2p21
MSH3	MSH3	mutS homolog 3 (E. coli)	HGNC:7326	5q11-q12
MSH6	MSH6	mutS homolog 6 (E. coli)	HGNC:7329	2p16
MUTYH	MUTYH	mutY homolog (E. coli)	HGNC:7527	1p34.1
NBN	NBN	nibrin	HGNC:7652	8q21-q24
NF1	NF1	neurofibromin 1	HGNC:7765	17q11.2
NF2	NF2	neurofibromin 2 (merlin)	HGNC:7773	22q12.2
NTRK1	NTRK1	neurotrophic tyrosine kinase, receptor, type 1	HGNC:8031	1q21-q22
OGG1	OGG1	8-oxoguanine DNA glycosylase	HGNC:8125	3p26
PALB2	PALB2	partner and localizer of BRCA2	HGNC:26144	16p12.1
PIK3CA	PIK3CA	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha	HGNC:8975	3q26.3
PMS1	PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)	HGNC:9121	2q31-q33
PMS2	PMS2	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	HGNC:9122	7p22.1
PRKAR1A	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha	HGNC:9388	17q23-q24
PTCH1	PTCH1	patched 1	HGNC:9585	9q22.1-q31
PTEN	PTEN	phosphatase and tensin homolog	HGNC:9588	10q23
PTPN11	PTPN11	protein tyrosine phosphatase, non-receptor type 11	HGNC:9644	12q24.1
RAD50	RAD50	RAD50 homolog (S. cerevisiae)	HGNC:9816	5q23-q31
RAD51	RAD51	RAD51 recombinase	HGNC:9817	15q15.1

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RAD51C	RAD51C	RAD51 paralog C	HGNC:9820	17q25.1
RAD51D	RAD51D	RAD51 paralog D	HGNC:9823	17q11
RET	RET	ret proto-oncogene	HGNC:9967	10q11.2
SDHB	SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (Ip)	HGNC:10681	1p36.1-p35
SDHD	SDHD	succinate dehydrogenase complex, subunit D, integral membrane protein	HGNC:10683	11q23
SMAD4	SMAD4	SMAD family member 4	HGNC:6770	18q21.1
SPRED1	SPRED1	sprouty-related, EVH1 domain containing 1	HGNC:20249	15q14
STK11	STK11	serine/threonine kinase 11	HGNC:11389	19p13.3
TGFB1	TGFB1	transforming growth factor, beta 1	HGNC:11766	19q13.1
TP53	TP53	tumor protein p53	HGNC:11998	17p13.1
TP73	TP73	tumor protein p73	HGNC:12003	1p36.3
TYMS	TYMS	thymidylate synthetase	HGNC:12441	18p11.31-p11.21
UIMC1	UIMC1	ubiquitin interaction motif containing 1	HGNC:30298	5q35.2
VHL	VHL	von Hippel-Lindau tumor suppressor, E3 ubiquitin protein ligase	HGNC:12687	3p25.3
XRCC2	XRCC2	X-ray repair complementing defective repair in Chinese hamster cells 2	HGNC:12829	7q36
XRCC3	XRCC3	X-ray repair complementing defective repair in Chinese hamster cells 3	HGNC:12830	14q32.3
FH	FH	fumarate hydratase	HGNC:3700	1q42.1
MET	MET	met proto-oncogene (hepatocyte growth factor receptor)	HGNC:7029	7q31
AIP	AURKAIP1	aurora kinase A interacting protein 1	HGNC:24114	1p36.33
BRIP1	MRPL36	mitochondrial ribosomal protein L36	HGNC:14490	5p15.3
CDH1	FZR1	fizzy/cell division cycle 20 related 1 (Drosophila)	HGNC:24824	19p13.3
NBN	ARTN	artemin	HGNC:727	1p33-p32
MET	SLTM	SAFB-like, transcription modulator	HGNC:20709	15q21.3