

# Hereditary Cancer Testing Reference Sequences

(As of June 19, 2023)

Gene Name	Reference Sequence
AIP	NM_003977.4
AKT1	NM_001382430.1
ALK	NM_004304.5
APC	NM_000038.6
ATM	NM_000051.3
AXIN2	NM_004655.4
BAP1	NM_004656.4
BARD1	NM_000465.4
BMPR1A	NM_004329.2
BRAF	NM_004333.6
BRCA1	NM_007294.4
BRCA2	NM_000059.3
BRIP1	NM_032043.3
CD274	NM_014143.4
CDC73	NM_024529.4
CDH1	NM_004360.5
CDK4	NM_000075.4
CDKN1B	NM_004064.4
CDKN2A	NM_000077.4
CHEK2	NM_007194.4
CTNNA1	NM_001903.5
CTNNB1	NM_001904.4

Gene Name	Reference Sequence
DICER1	NM_177438.2
DPYD	NM_000110.4
EGFR	NM_005228.5
EGLN1	NM_022051.3
EIF1AX	NM_001412.4
ELOC	NM_005648.4
EPCAM	NM_002354.2
ERBB2	NM_004448.3
ESR1	NM_000125.4
EWSR1	NM_005243.4
EXT1	NM_000127.2
EXT2	NM_000401.3
FGFR1	NM_023110.3
FGFR2	NM_000141.5
FGFR3	NM_000142.5
FH	NM_000143.3
FLCN	NM_144997.7
FLNA	NM_001110556.2
FLT3	NM_004119.3
FOXL2	NM_023067.4
GALNT12	NM_024642.5
GNA11	NM_002067.5

Gene Name	Reference Sequence
GNAQ	NM_002072.5
GREM1	NM_013372
HOXB13	NM_006361.5
HRAS	NM_005343.4
IDH1	NM_005896.4
IDH2	NM_002168.4
KEAP1	NM_203500.2
KIT	NM_000222.2
KRAS	NM_004985.5
LZTR1	NM_006767.4
MAX	NM_002382.4
MDM2	NM_002392.6
MEN1	NM_130799.2
MET	NM_001127500.3
MITF	NM_000248.3
MLH1	NM_000249.4
MLH3	NM_001040108.1
MSH2	NM_000251.3
MSH3	NM_002439.4
MSH6	NM_000179.3
MUTYH	NM_001128425.1
MYCN	NM_005378.6
MYOD1	NM_002478.5
NAB2	NM_005967.4
NBN	NM_002485.4
NF1	NM_000267.3
NF2	NM_000268.3
NRAS	NM_002524.5
NRG1	NM_013964.5
NTHL1	NM_002528.6

Gene Name	Reference Sequence
NTRK1	NM_002529.4
NTRK2	NM_006180.6
NTRK3	NM_002539.4
PALB2	NM_024675.4
PAX8	NM_003466.4
PDGFRA	NM_006206.6
PIK3CA	NM_006218.4
PKD1	NM_001009944.2
PKD2	NM_000297.4
PKHD1	NM_138694.3
PMS2	NM_000535.7
POLD1	NM_002691.4
POLE	NM_006231.4
POT1	NM_015450.3
PPARG	NM_138711.6
PRKAR1A	NM_002734.4
PTCH1	NM_000264.5
PTEN	NM_000314.8
RAD51C	NM_058216.3
RAD51D	NM_002878.3
RB1	NM_000321.2
RECQL	NM_002907.3
RET	NM_020975.6
RNF43	NM_017763.5
ROS1	NM_001378902.1
RPS20	NM_001146227.1
SDHA	NM_004168.4
SDHAF2	NM_017841.2
SDHB	NM_003000.3
SDHC	NM_003001.3

Gene Name	Reference Sequence
SDHD	NM_003002.4
SF3B1	NM_012433.4
SMAD4	NM_005359.6
SMARCA4	NM_001128849.2
SMARCB1	NM_003073.5
SMARCE1	NM_003079.5
STAT6	NM_003153.5
STK11	NM_000455.5
SUFU	NM_016169.3

Gene Name	Reference Sequence
TERT	NM_198253.3
TMEM127	NM_017849.3
TP53	NM_000546.6
TSC1	NM_000368.5
TSC2	NM_000548.5
VHL	NM_000551.3
WT1	NM_024426.6
YAP1	NM_001130145.3
ZFTA	NM_001144936.2