

Next generation sequencing detection data from 63 patients in platinum-based chemotherapy group

Patients	gene	DNA base change	Amino Acid Change	Acid Mutation Type
PT1	TP53	c.G524A	p.R175H	SNV
PT1	KRAS	c.A182T	p.Q61L	SNV
PT1	TP53	c.A701G	p.Y234C	SNV
PT2	EGFR	c.T2573G	p.L858R	SNV
PT2	TP53	c.C742T	p.R248W	SNV
PT2	UGT1A1	c.C686A	p.P229Q	Germline
PT2	BCL2L1	2903-bp deletion		Germline
PT2	RET	c.1469_1488del	p.Q490Pfs*33	SNV
PT3	EGFR	c.T2573G	p.L858R	SNV
PT3	TP53	c.823dup	p.C275Lfs*31	SNV
PT4	TP53	c.584T>C	p.I195T	SNV
PT4	ZNF217		gain	CNV
PT4	CDKN2A	c.343G>T	p.V115L	SNV
PT4	FAT1	c.6265G>A	p.V2089I	SNV
PT4	MTOR	c.2056C>T	p.H686Y	SNV
PT4	AR	c.203A>T	p.Q68L	SNV
PT4	KEAP1	c.1384G>T	p.G462W	SNV
PT4	ZNF217-			fusion
PT5	TP53	c.745A>T	p.R249W	SNV
PT5	CCND1		gain	CNV
PT5	FGF19		gain	CNV
PT5	KRAS		gain	CNV
PT5	PDCD1LG2	c.286G>A	p.D96N	SNV

PT6	KRAS	c.G35A	p.G12D	SNV
PT6	TP53	c.G473T	p.R158L	SNV
PT6	TPMT	c.A719G	p.Y240C	SNV
PT6	UGT1A1	c.G211A	p.G71R	SNV
PT6	MET	c.C4144T	p.R1382*	SNV
PT7	KRAS	c.38G>A	p.G13D	SNV
PT7	KRAS	c.35G>T	p.G12V	SNV
PT7	UGT1A1	c.211G>A	p.G71R	Germline
PT7	TP53	c.604_618del	p.R202_L206del	SNV
PT8	KRAS	c.38G>A	p.G13D	SNV
PT8	TP53	c.820G>T	p.V274F	SNV
PT8	CYP2C19	c.681G>A	p.P227P	Germline
PT8	MYC		gain	CNV
PT8	AR	c.1731T>A	p.C577*	SNV
PT8	BCOR	c.4403A>G	p.H1468R	SNV
PT8	FGFR1	c.1039A>G	p.I347V	SNV
PT8	FGFR3	c.931A>C	p.T311P	SNV
PT8	INHBA	c.355C>A	p.Q119K	SNV
PT8	KDR	c.3213G>T	p.W1071C	SNV
PT8	KIT	c.2643G>C	p.K881N	SNV
PT8	NRG3	c.1128G>T	p.M376I	SNV
PT8	NSD1	c.7256C>T	p.P2419L	SNV
PT8	PREX2	c.2030C>T	p.T677I	SNV
PT8	TIE1	c.2119G>T	p.G707C	SNV
PT8	SRMS	c.946+1G>T	N/A	SNV
PT8	PDCD1LG2	c.554C>T	p.P185L	Germline

PT8	ROS1	c.1997G>C	p.G666A	Germline
PT9	EGFR	c.T2573G	p.L858R	SNV
PT9	EGFR	c.C2326A	p.R776S	SNV
PT9	TP53	c.A763T	p.I255F	SNV
PT10	TP53	c.G158A	p.W53*	SNV
PT10	ALK	c.G3604A	p.G1202R	SNV
PT10	EPHB1	c.G1026A	p.W342*	SNV
PT10	CYP2C19	c.G681A	p.P227P	Germline
PT10	EML4-ALK			fusion
PT10	LRP1B	c.C9874T	p.P3292S	SNV
PT10	EP300	c.G6167A	p.R2056Q	SNV
PT10	MET	c.T2555C	p.M852T	SNV
PT10	EP300	c.A5102G	p.H1701R	SNV
PT11	PIK3CA	c.A3140T	p.H1047L	SNV
PT11	TP53	c.746_776delinsAGG	p.R249Kfs*87	SNV
PT11	TP53	c.C817T	p.R273C	SNV
PT11	NF1	c.6146del	p.K2049Rfs*9	SNV
PT11	CYP2C19	c.G681A	p.P227P	Germline
PT11	BCL2L1	2903-bp deletion		Germline
PT11	PIK3CA		gain	CNV
PT11	SOX2		gain	CNV
PT11	TP53	c.A776G	p.D259G	SNV
PT12	EGFR	c.T2573G	p.L858R	SNV
PT12	TP53	c.G1010A	p.R337H	Germline
PT12	CDKN2A	c.C242A	p.P81H	SNV
PT13	TP53	c.G734A	p.G245D	SNV

PT13	EGFR	c.2236_2250del	p.E746_A750del	SNV
PT13	UGT1A1	c.G211A	p.G71R	Germline
PT13	BCL2L1	2903-bp deletion		Germline
PT13	DDR2		gain	CNV
PT13	RIT1		gain	CNV
PT13	RICTOR		gain	CNV
PT13	EGFR		gain	CNV
PT13	MET		gain	CNV
PT13	CDK6		gain	CNV
PT13	GLI3		gain	CNV
PT13	NTRK1		gain	CNV
PT13	BRAF		gain	CNV
PT14	TP53	c.G524A	p.R175H	SNV
PT14	NFE2L2	c.C239A	p.T80K	SNV
PT14	CYP2C19	c.G681A	p.P227P	Germline
PT14	MCL1		gain	CNV
PT14	MYCN		gain	CNV
PT14	PIK3CA		gain	CNV
PT14	SOX2		gain	CNV
PT14	ARID1A	c.6532dup	p.D2178Gfs*47	SNV
PT15	CYP2C19	c.681G>A	p.P227P	Germline
PT15	TP53	c.775G>T	p.D259Y	SNV
PT15	EGFR	c.1781C>A	p.T594N	Germline
PT16	TP53	c.C455T	p.P152L	SNV
PT16	EGFR	c.2573_2574delinsGT	p.L858R	SNV
PT16	CYP2C19	c.G681A	p.P227P	Germline

PT16	BCL2L11	2903-bp deletion		Germline
PT16	IRS2		gain	CNV
PT16	RB1	c.T1985C	p.L662P	SNV
PT16	CREBBP	c.6743_6745del	p.Q2248del	SNV
PT16	IRS2	c.C2165T	p.A722V	SNV
PT17	EGFR	c.C2369T	p.T790M	SNV
PT17	EGFR	c.T2573G	p.L858R	SNV
PT17	PIK3CA	c.A3140G	p.H1047R	SNV
PT17	RB1	c.A2428T	p.K810*	SNV
PT17	TP53	c.889dup	p.H297Pfs*9	SNV
PT17	NTRK1		gain	CNV
PT17	ALK	c.C482T	p.A161V	SNV
PT17	EGFR	c.2369C>T	p.T790M	SNV
PT17	EGFR	c.2573T>G	p.L858R	SNV
PT17	PIK3CA	c.3140A>G	p.H1047R	SNV
PT17	RB1	c.2428A>T	p.K810*	SNV
PT17	TP53	c.889dup	p.H297Pfs*9	SNV
PT17	NTRK1		gain	CNV
PT17	NTRK1	c.2131T>A	p.W711R	SNV
PT18	NA	NA	NA	NA
PT19	UGT1A1	c.G211A	p.G71R	Germline
PT19	BCL2L11	2903-bp deletion		Germline
PT19	EML4-ALK			fusion
PT20	ARID1A	c.5715dup	p.R1906Tfs*8	SNV
PT20	ERBB2	c.2313_2324dup	p.Y772_A775dup	SNV
PT20	CYP2C19	c.681G>A	p.P227P	Germline

PT20	UGT1A1	c.211G>A	p.G71R	Germline
PT20	ERBB2		gain	CNV
PT21	CYP2D6	c.C100T	p.P34S	Germline
PT21	CYP2C19	c.G681A	p.P227P	Germline
PT21	NOTCH1	c.A920G	p.Q307R	SNV
PT21	FAT1	c.C6754A	p.L2252M	SNV
PT21	FGFR1	c.A187G	p.S63G	SNV
PT22	APC	c.4395T>G	p.S1465R	SNV
PT22	FAT1	c.1532C>T	p.A511V	SNV
PT22	NF1	c.2165G>T	p.G722V	SNV
PT22	NOTCH1	c.4325C>A	p.P1442Q	SNV
PT22	NTRK1	c.1189C>A	p.P397T	SNV
PT22	ROS1	c.1013A>G	p.Y338C	SNV
PT22	VEGFA	c.1039G>A	p.V347I	SNV
PT23	UGT1A1	c.G211A	p.G71R	Germline
PT23	EML4-ALK			fusion
PT23	NRG1	c.152_158delinsAGCG	p.G51_E53delinsER	SNV
PT24	EML4-ALK			fusion
PT25	KRAS	c.G35T	p.G12V	SNV
PT26	CDKN2A	c.C172T	p.R58*	SNV
PT26	KRAS	c.G34T	p.G12C	SNV
PT27	UGT1A1	c.211G>A	p.G71R	SNV
PT27	KRAS	c.34G>T	p.G12C	SNV
PT27	TP53	c.614A>G	p.Y205C	SNV
PT27	SLIT2	c.3183-1G>A	N/A	SNV
PT27	APC	c.7807G>C	p.E2603Q	SNV

PT27	AR	c.1489T>A	p.F497I	SNV
PT27	ARID1A	c.1637A>G	p.Q546R	SNV
PT27	FAT1	c.5866G>A	p.D1956N	SNV
PT27	MAP3K1	c.3071A>G	p.K1024R	SNV
PT28	KRAS	c.G35A	p.G12D	SNV
PT29	ALK	c.C4460T	p.S1487L	SNV
PT30	ALK	c.833C>T	p.P278L	SNV
PT30	APC	c.3652A>G	p.T1218A	SNV
PT30	DPYD	c.1627A>G	p.I543V	SNV
PT30	MAP3K1	c.917G>A	p.R306H	SNV
PT30	NOTCH1	c.3401A>G	p.Q1134R	SNV
PT30	PIK3CA	c.2198A>G	p.K733R	SNV
PT30	PREX2	c.2215G>A	p.V739I	SNV
PT30	ROS1	c.5995C>A	p.H1999N	SNV
PT31	ARID1A	c.5715dup	p.R1906Tfs*8	SNV
PT31	ERBB2	c.2313_2324dup	p.Y772_A775dup	SNV
PT32	EML4-ALK			fusion
PT33	EML4-ALK			fusion
PT34	KRAS	c.35G>T	p.G12V	SNV
PT35	CDKN2A	c.C172T	p.R58*	SNV
PT36	EGFR	c.2235_2249del	p.E746_A750del	SNV
PT36	TP53	c.589G>T	p.V197L	SNV
PT36	TP53	c.826G>C	p.A276P	SNV
PT36	CDKN2A	c.61G>C	p.A21P	SNV
PT36	DPYD	c.1627A>G	p.I543V	SNV
PT36	TP53	c.379T>A	p.S127T	SNV

PT36	DPYD	c.1627A>G	p.I543V	SNV
PT36	TP53	c.379T>A	p.S127T	SNV
PT36	DPYD	c.1627A>G	p.I543V	SNV
PT36	CBL	c.1413_1414delinsTT	p.K471_T906delinsN	SNV
PT36	CDKN2A	c.61G>C	p.A21P	SNV
PT36	ERRFI1	c.490C>G	p.L164V	SNV
PT36	GLI3	c.4321G>T	p.G1441C	SNV
PT36	LRP1B	c.10096A>T	p.T3366S	SNV
PT36	LRP1B	c.1556C>G	p.P519R	SNV
PT36	LRP1B	c.2298G>C	p.L766F	SNV
PT36	MDM4	c.680del	p.G227Vfs*15	SNV
PT36	NOTCH1	c.1333A>C	p.T445P	SNV
PT36	PREX2	c.1064C>G	p.A355G	SNV
PT36	SPTA1	c.6024G>T	p.E2008D	SNV
PT36	NOTCH3		gain	CNV
PT36	TP53	c.826G>C	p.A276P	SNV
PT36	TP53	c.736A>T	p.M246L	SNV
PT36	APC	c.1699G>T	p.G567*	SNV
PT36	CHEK2	c.1115C>T	p.S372F	SNV
PT36	RB1	c.1215+1G>T	N/A	SNV
PT36	NF1	c.3975-2A>T	N/A	SNV
PT36	DNMT3A	c.1554+1G>A	N/A	SNV
PT36	DDR2		gain	CNV
PT36	NTRK1		gain	CNV
PT36	RIT1		gain	CNV
PT36	IRS2		gain	CNV

PT36	CCNE1		gain	CNV
PT36	AKT2		gain	CNV
PT36	JAK3		gain	CNV
PT36	RAF1		gain	CNV
PT36	MYC		gain	CNV
PT36	PREX2		gain	CNV
PT36	FAM135B		gain	CNV
PT36	PTK2		gain	CNV
PT36	CD274		gain	CNV
PT36	PDCD1LG2		gain	CNV
PT36	ADGRA2	c.1084C>A	p.R362S	SNV
PT36	ADGRA2	c.3614G>T	p.R1205L	SNV
PT36	EPHA5	c.572G>T	p.R191L	SNV
PT36	EPHA7	c.2384G>T	p.G795V	SNV
PT36	FGFR4	c.1121C>T	p.A374V	SNV
PT36	FGR	c.859A>G	p.K287E	SNV
PT36	FOXL2	c.1022C>A	p.P341Q	SNV
PT36	GLI3	c.4321G>T	p.G1441C	SNV
PT36	HGF	c.708T>G	p.D236E	SNV
PT36	IL7R	c.730A>G	p.T244A	SNV
PT36	LRP1B	c.10096A>T	p.T3366S	SNV
PT36	LRP1B	c.1556C>G	p.P519R	SNV
PT36	LRP1B	c.2298G>C	p.L766F	SNV
PT36	PARK2	c.343G>T	p.D115Y	SNV
PT36	PIK3C2B	c.2059G>T	p.D687Y	SNV
PT36	PIK3CG	c.2450G>T	p.C817F	SNV

PT36	SPTA1	c.6024G>T	p.E2008D	SNV
PT36	TBX3	c.926G>T	p.G309V	SNV
PT36	CBL	c.1413G>T	p.K471N	SNV
PT36	DPYD	c.1627A>G	p.I543V	Germline
PT36	TP53	c.736A>T	p.M246L	SNV
PT36	FANCD2	c.2251G>T	p.E751*	SNV
PT36	NEK11	c.1428del	p.E477Sfs*21	SNV
PT36	RB1	c.1215+1G>T	N/A	SNV
PT36	NF1	c.3975-2A>T	N/A	SNV
PT36	TERT	c.-124C>T	N/A	SNV
PT36	CBL	c.1414G>T	p.E472*	SNV
PT36	STK24		gain	CNV
PT36	IRS2		gain	CNV
PT36	TP53		loss	CNV
PT36	MAP2K4		loss	CNV
PT37	TP53	c.G375T	p.T125T	SNV
PT37	MITF	c.T16G	p.L6V	SNV
PT37	LRP1B	c.G8594T	p.C2865F	SNV
PT37	CREBBP	c.T7271G	p.L2424R	SNV
PT37	MUTYH	c.G384T	p.W128C	SNV
PT37	ASXL1	c.G731T	p.R244L	SNV
PT37	MET	c.G3028C	p.D1010H	SNV
PT37	LRP1B	c.G5082T	p.K1694N	SNV
PT37	SPTA1	c.C2977A	p.P993T	SNV
PT37	PIK3CG	c.C170A	p.A57E	SNV
PT37	LRP1	c.G3409T	p.E1137*	SNV

PT37	MST1R	c.G2537A	p.G846E	SNV
PT37	NOTCH1	c.G4166A	p.S1389N	SNV
PT37	AXIN1	c.G1750A	p.A584T	SNV
PT37	NOTCH1	c.C7207T	p.Q2403*	SNV
PT37	CYP2D6	c.C100T	p.P34S	Germline
PT37	TP53	c.G375T	p.T125T	SNV
PT37	MITF	c.T16G	p.L6V	SNV
PT37	LRP1B	c.G8594T	p.C2865F	SNV
PT37	CREBBP	c.T7271G	p.L2424R	SNV
PT37	MUTYH	c.G384T	p.W128C	SNV
PT37	ASXL1	c.G731T	p.R244L	SNV
PT37	MET	c.G3028C	p.D1010H	SNV
PT37	LRP1B	c.G5082T	p.K1694N	SNV
PT37	SPTA1	c.C2977A	p.P993T	SNV
PT37	PIK3CG	c.C170A	p.A57E	SNV
PT37	LRP1	c.G3409T	p.E1137*	SNV
PT37	MST1R	c.G2537A	p.G846E	SNV
PT37	NOTCH1	c.G4166A	p.S1389N	SNV
PT37	AXIN1	c.G1750A	p.A584T	SNV
PT37	NOTCH1	c.C7207T	p.Q2403*	SNV
PT37	CYP2D6	c.C100T	p.P34S	Germline
PT38	PMS2	c.A1351G	p.R451G	SNV
PT38	SETD2	c.A3524G	p.D1175G	SNV
PT38	DNMT3A	c.A2512G	p.N838D	SNV
PT38	DNMT3A	c.G1687A	p.V563M	SNV
PT38	DNMT3A	c.G1676A	p.C559Y	SNV

PT38	DNMT3A	c.1123-2A>G		SNV
PT38	NOTCH2	c.G3565A	p.D1189N	SNV
PT38	SMARCA2	c.705_707del	p.Q238del	SNV
PT38	IRS2	c.C2483A	p.S828Y	SNV
PT38	KMT2A	c.G7993A	p.E2665K	SNV
PT38	EGFR	c.T2573G	p.L858R	SNV
PT38	CYP2C19	c.G681A	p.P227P	SNV
PT38	BCL2L1	2903-bp deletion		Germline
PT39	DNMT3A	c.2290dup	p.S764Kfs*2	SNV
PT39	KRAS	c.34G>T	p.G12C	SNV
PT39	TP53	c.644G>T	p.S215I	SNV
PT39	AR	c.1414_1415insAG	p.G472Efs*8	SNV
PT39	ATR	c.7130T>C	p.I2377T	SNV
PT39	DNMT3A	c.2245C>T	p.R749C	SNV
PT39	DPYD	c.1627A>G	p.I543V	SNV
PT39	FLT4	c.1427G>T	p.R476L	SNV
PT39	MAP3K1	c.2845_2847del	p.T949del	SNV
PT39	NRAS	c.99T>G	p.D33E	SNV
PT39	STK11	c.125G>T	p.R42L	SNV
PT39	TPMT	c.419+94T>A	N/A	SNV
PT40	TP53	c.C991T	p.Q331*	SNV
PT40	PIK3CA	c.T1031G	p.V344G	SNV
PT40	PIK3CG	c.G559A	p.E187K	SNV
PT40	BRCA2	c.A956G	p.N319S	SNV
PT40	CBL	c.A2716C	p.T906P	SNV
PT40	CDKN2A	c.196dup	p.H66Pfs*54	SNV

PT40	GRM3	c.G152T	p.G51V	SNV
PT40	HCK	c.C552A	p.N184K	SNV
PT40	ZNF750	c.T119G	p.L40R	SNV
PT40	BLK	c.C1210A	p.P404T	SNV
PT40	BCL6	c.C1282T	p.P428S	SNV
PT40	RBM10	c.C1577T	p.S526L	SNV
PT40	UGT1A1	c.G211A	p.G71R	Germline
PT40	EPHA2		gain	CNV
PT40	NOTCH1		gain	CNV
PT40	AXIN1		gain	CNV
PT40	RPTOR		gain	CNV
PT40	EPHA5		loss	CNV
PT40	TP53	c.C991T	p.Q331*	SNV
PT40	PIK3CA	c.T1031G	p.V344G	SNV
PT40	PIK3CG	c.G559A	p.E187K	SNV
PT40	BRCA2	c.A956G	p.N319S	SNV
PT40	CBL	c.A2716C	p.T906P	SNV
PT40	CDKN2A	c.196dup	p.H66Pfs*54	SNV
PT40	GRM3	c.G152T	p.G51V	SNV
PT40	HCK	c.C552A	p.N184K	SNV
PT40	ZNF750	c.T119G	p.L40R	SNV
PT40	BLK	c.C1210A	p.P404T	SNV
PT40	BCL6	c.C1282T	p.P428S	SNV
PT40	RBM10	c.C1577T	p.S526L	SNV
PT40	UGT1A1	c.G211A	p.G71R	Germline
PT40	EPHA2		gain	CNV

PT40	NOTCH1		gain	CNV
PT40	AXIN1		gain	CNV
PT40	RPTOR		gain	CNV
PT40	EPHA5		loss	CNV
PT41	SMARCA4	c.3166G>T	p.E1056*	SNV
PT41	SLIT2	c.1439-2A>G	N/A	SNV
PT41	UGT1A1	c.211G>A	p.G71R	Germline
PT41	ATM	c.8600G>A	p.G2867E	SNV
PT41	EPHA5	c.170C>T	p.P57L	SNV
PT41	ERBB3	c.121G>A	p.D41N	SNV
PT41	FANCA	c.1295T>C	p.L432P	SNV
PT41	FAT1	c.4213G>T	p.D1405Y	SNV
PT41	FH	c.13C>G	p.L5V	SNV
PT41	GLI2	c.633_634delinsAA	p.N211_P212delinsKT	SNV
PT41	IKBKE	c.529G>T	p.E177*	SNV
PT41	KIT	c.779A>G	p.N260S	SNV
PT41	MTOR	c.6221A>G	p.Y2074C	SNV
PT41	MTOR	c.6943G>A	p.D2315N	SNV
PT41	NRG3	c.77C>A	p.A26E	SNV
PT41	PTCH1	c.1453C>A	p.L485M	SNV
PT41	SLIT2	c.797C>A	p.P266H	SNV
PT41	PREX2	c.1444-1G>T	N/A	SNV
PT41	FAM135B	c.543-1G>T	N/A	SNV
PT41	ARID1A	c.5944G>A	p.V1982I	Germline
PT41	DPYD	c.1627A>G	p.I543V	Germline
PT41	ROS1	c.4058A>C	p.Y1353S	Germline

PT42	EGFR	c.G2156C	p.G719A	SNV
PT42	EGFR	c.G2125A	p.E709K	SNV
PT42	BCL2L11	2903-bp deletion		Germline
PT42	TP53	c.T815A	p.V272E	SNV
PT42	EGFR	c.C154T	p.Q52*	SNV
PT42	BCL2L11	2903-bp deletion		Germline
PT42	TP53	c.T815A	p.V272E	SNV
PT42	MLH1	c.1445_1447del	p.V482del	SNV
PT42	IRS2	c.C2438T	p.P813L	SNV
PT43	TP53	c.772del	p.E258Kfs*87	SNV
PT43	BRCA2	c.A3197G	p.N1066S	Germline
PT43	CYP2D6	c.C100T	p.P34S	Germline
PT43	CYP2C19	c.G681A	p.P227P	Germline
PT43	KIF5B-RET			fusion
PT43	TP53	c.772del	p.E258Kfs*87	SNV
PT43	BRCA2	c.A3197G	p.N1066S	Germline
PT43	CYP2D6	c.C100T	p.P34S	Germline
PT43	CYP2C19	c.G681A	p.P227P	Germline
PT43	KIF5B-RET			fusion
PT44	EGFR	c.G2156C	p.G719A	SNV
PT44	EGFR	c.G2303T	p.S768I	SNV
PT44	CYP2D6	c.C100T	p.P34S	Germline
PT44	CYP2C19	c.G681A	p.P227P	Germline
PT44	UGT1A1	c.G211A	p.G71R	Germline
PT44	PIK3CD		gain	CNV
PT44	EPHA2		gain	CNV

PT44	MCL1		gain	CNV
PT44	RIT1		gain	CNV
PT44	PIK3C2B		gain	CNV
PT44	IKBKE		gain	CNV
PT44	VEGFA		gain	CNV
PT44	NOTCH1		gain	CNV
PT44	RPTOR		gain	CNV
PT44	PRKDC		loss	CNV
PT44	FANCF		loss	CNV
PT44	RB1		loss	CNV
PT44	NTRK1		gain	CNV
PT44	BRCA2		loss	CNV
PT44	SMARCA4	c.2826_2831del	p.W942_N944delinsC	SNV
PT44	GLI1	c.C2041A	p.P681T	SNV
PT44	ZNF750		gain	CNV
PT44	FLT3		loss	CNV
PT44	TNFSF11		loss	CNV
PT45	BRAF	c.T1799A	p.V600E	SNV
PT45	BRCA1	c.A2899C	p.T967P	SNV
PT45	CYP2C19	c.G681A	p.P227P	Germline
PT46	ERBB2	c.2313_2324dup	p.Y772_A775dup	SNV
PT46	SMARCA4	c.152C>G	p.S51*	SNV
PT46	TP53	c.742C>T	p.R248W	SNV
PT46	UGT1A1	c.211G>A	p.G71R	Germline
PT46	BCL2L1	2903-bp deletion		Germline
PT47	EGFR	c.2573T>G	p.L858R	SNV

PT47	TP53	c.455C>T	p.P152L	SNV
PT47	CYP2C19	c.681G>A	p.P227P	Germline
PT47	BCL2L11	2903-bp deletion		Germline
PT47	MCL1		gain	CNV
PT47	ADAM29	c.2399_2425del	p.T800_L808del	SNV
PT47	DNMT3A	c.2128T>A	p.C710S	SNV
PT47	IL7R	c.991C>T	p.Q331*	SNV
PT47	NOTCH1	c.1726C>T	p.H576Y	SNV
PT47	DPYD	c.1627A>G	p.I543V	Germline
PT47	BRCA2	c.4376A>G	p.N1459S	Germline
PT47	TP53	c.737T>G	p.M246R	SNV
PT47	BCL2L11		del	CNV
PT47	ERBB2	c.2686C>T	p.R896C	SNV
PT47	IDH1	c.394C>A	p.R132S	SNV
PT47	FGFR2	c.1661G>T	p.C554F	SNV
PT48	CYP2C19	c.681G>A	p.P227P	SNV
PT48	EGFR	c.2573T>G	p.L858R	SNV
PT48	EGFR		gain	CNV
PT48	GLI3		gain	CNV
PT48	MYC		gain	CNV
PT48	FAM135B		gain	CNV
PT48	PTK2		gain	CNV
PT48	DPYD	c.1627A>G	p.I543V	SNV
PT48	BRCA2	c.7102T>G	p.L2368V	SNV
PT48	CCND2	c.439T>G	p.L147V	SNV
PT48	FAT1	c.11818A>G	p.T3940A	SNV

PT48	MAP3K1	c.1118C>T	p.P373L	SNV
PT48	NOTCH3	c.6328C>T	p.P2110S	SNV
PT48	SPTA1	c.5683C>G	p.Q1895E	SNV
PT49	KRAS	c.35G>T	p.G12V	SNV
PT49	RB1	c.1272C>A	p.Y424*	SNV
PT49	TP53	c.97-1G>T	N/A	SNV
PT49	BRCA2	c.8191C>A	p.Q2731K	SNV
PT49	PTEN	c.160G>C	p.V54L	SNV
PT49	TP53	c.884C>T	p.P295L	Germline
PT49	BCL6	c.357C>G	p.D119E	SNV
PT49	GLI2	c.1334C>A	p.T445N	SNV
PT49	IDH1	c.1218_1219delinsTT	p.K406_I407delinsNF	SNV
PT49	JAK2	c.733G>A	p.A245T	SNV
PT49	PDCD1LG2	c.50T>C	p.I17T	SNV
PT49	RXRA	c.1332C>A	p.D444E	SNV
PT49	SMUG1	c.196C>T	p.R66C	SNV
PT49	AR	c.1847G>A	p.R616H	SNV
PT49	KDM6A	c.2486C>T	p.S829F	SNV
PT49	VEGFA	c.560G>A	p.W187*	SNV
PT49	DPYD	c.1627A>G	p.I543V	Germline
PT49	UGT1A1	c.211G>A	p.G71R	Germline
PT49	APC	c.715G>C	p.A239P	Germline
PT50	APC	c.4381G>T	p.E1461*	SNV
PT50	KEAP1	c.1295_1305del	p.H432Pfs*9	SNV
PT50	KRAS	c.34G>T	p.G12C	SNV
PT50	PBRM1	c.835dup	p.I279Nfs*8	SNV

PT50	STK11	c.526G>T	p.D176Y	SNV
PT50	MSH2	c.505A>G	p.I169V	Germline
PT50	PIK3CA	c.2198A>G	p.K733R	Germline
PT50	SPTA1	c.4907C>G	p.A1636G	Germline
PT51	SMARCA4	c.430del	p.Q144Rfs*159	SNV
PT51	PBRM1	c.2779+1G>T	N/A	SNV
PT51	UGT1A1	c.211G>A	p.G71R	Germline
PT51	STK11-			fusion
PT51	IRF4	c.833A>G	p.H278R	SNV
PT51	BRCA2	c.2491G>T	p.V831F	SNV
PT51	MED12	c.1450A>T	p.I484F	SNV
PT51	NOTCH2	c.4193A>T	p.Y1398F	SNV
PT51	PIK3CB	c.1451A>G	p.Y484C	SNV
PT51	FAM135B	c.331C>A	p.L111I	SNV
PT51	SMARCA4	c.431A>T	p.Q144L	SNV
PT51	PREX2	c.237C>A	p.D79E	SNV
PT51	FGF6	c.91C>G	p.L31V	SNV
PT51	PIK3C2B	c.180G>T	p.W60C	SNV
PT52	CDKN2A	c.322G>A	p.D108N	SNV
PT52	FBXW7	c.7C>T	p.Q3*	SNV
PT52	NFE2L2	c.101G>C	p.R34P	SNV
PT52	TP53	c.535C>A	p.H179N	SNV
PT52	TPMT	c.719A>G	p.Y240C	Germline
PT52	UGT1A1	c.211G>A	p.G71R	Germline
PT52	CCND1		gain	CNV
PT52	FGF23	c.706G>C	p.A236P	SNV

PT52	GABRA6	c.44A>T	p.E15V	SNV
PT52	NOTCH3	c.6463G>A	p.G2155R	SNV
PT52	PRDM1	c.605G>C	p.R202P	SNV
PT52	SLIT2	c.3127G>A	p.D1043N	SNV
PT52	SMO	c.76_95del	p.P26Efs*103	SNV
PT52	BRCA1	c.2347A>G	p.I783V	Germline
PT52	MUTYH	c.706G>A	p.V236I	Germline
PT52	NTRK2	c.35T>C	p.M12T	Germline
PT52	VEGFA	c.520C>T	p.P174S	Germline
PT52	TPMT	c.419+94T>A	N/A	Germline
PT53	ARID2	c.1134_1135delinsTCT	p.L378Ffs*10	SNV
PT53	EP300	c.1787del	p.D596Vfs*5	SNV
PT53	PIK3CG	c.2414_2415delinsA	p.A805Dfs*72	SNV
PT53	PTCH1	c.2833C>T	p.R945*	SNV
PT53	TP53	c.795_796delinsTT	p.G266*	SNV
PT53	ATRX	c.5786+1G>A	N/A	SNV
PT53	CYP2C19	c.681G>A	p.P227P	Germline
PT53	EGFR		gain	CNV
PT53	ARID1B	c.4398G>T	p.Q1466H	SNV
PT53	CDK12	c.1894C>G	p.L632V	SNV
PT53	LRP1B	c.12938C>A	p.P4313Q	SNV
PT53	MYCN	c.901G>T	p.V301L	SNV
PT53	PIK3R2	c.1844C>T	p.P615L	SNV
PT53	RUNX1T1	c.1580C>A	p.P527H	SNV
PT53	SPOP	c.478G>A	p.E160K	SNV
PT53	STK11	c.1258G>T	p.A420S	SNV

PT53	TGFBR2	c.758G>T	p.G253V	SNV
PT53	ATM	c.8921C>T	p.P2974L	Germline
PT53	DICER1	c.1681A>G	p.I561V	Germline
PT53	DPYD	c.1627A>G	p.I543V	Germline
PT53	JAK2	c.376A>G	p.S126G	Germline
PT53	MTOR	c.5609C>G	p.T1870S	Germline
PT53	MUTYH	c.758C>T	p.T253I	Germline
PT53	NF1	c.1985A>G	p.K662R	Germline
PT53	PALB2	c.2345C>A	p.P782Q	Germline
PT54	TP53	c.G473T	p.R158L	SNV
PT54	BRAF	c.1405_1406delinsTT	p.G469L	SNV
PT54	UGT1A1	c.G211A	p.G71R	Germline
PT54	BCL2L1	2903-bp deletion		Germline
PT54	PTEN	c.T791C	p.M264T	SNV
PT55	NTRK1	c.1189C>A	p.P397T	SNV
PT55	ROS1	c.1013A>G	p.Y338C	SNV
PT55	POLE	c.4024G>T	p.A1342S	SNV
PT56	BLM	c.3117A>G	p.I1039M	SNV
PT57	CUL3			fusion
PT58	KRAS	c.34G>T	p.G12C	SNV
PT58	TP53	c.614A>G	p.Y205C	SNV
PT58	PALB2	c.567_568del	p.R189Sfs*5	SNV
PT58	APC	c.7807G>C	p.E2603Q	SNV
PT58	FAT1	c.4213G>T	p.D1405Y	SNV
PT58	MAP3K1	c.3071A>G	p.K1024R	SNV
PT59	BRIP1	c.1801del	p.S601Qfs*12	SNV

PT60	CHEK2	c.1212T>A	p.Y404*	SNV
PT61	ROS1	c.5995C>A	p.H1999N	SNV
PT61	BRCA2	c.1856A>G	p.Q619R	SNV
PT62	RAD50	c.3580G>C	p.A1194P	SNV
PT63	CYP2C19	c.681G>A	p.P227P	SNV
PT63	UGT1A1	c.211G>A	p.G71R	SNV
PT63	ATM	c.6007-1_6007delinsTT	N/A	SNV
PT63	CBL	c.2366C>T	p.T789I	SNV
PT63	DNMT3A	c.2191T>G	p.F731V	SNV
PT63	DNMT3A	c.2656C>T	p.Q886*	SNV
PT63	DPYD	c.1627A>G	p.I543V	SNV
PT63	FGFR1	c.1107G>T	p.M369I	SNV
