

**TSO500 NGS panel**

ABL1	ABL2	ACVR1	ACVR1B	AKT1	AKT2	AKT3	ALK	ALOX12B	ANKRD11
ANKRD26	APC	AR	ARAF	ARFRP1	ARID1A	ARID1B	ARID2	ARID5B	ASXL1
ASXL2	ATM	ATR	ATRX	AURKA	AURKB	AXIN1	AXIN2	AXL	B2M
BAP1	BARD1	BBC3	BCL10	BCL2	BCL2L1	BCL2L11	BCL2L2	BCL6	BCOR
BCORL1	BCR	BIRC3	BLM	BMPR1A	BRAF	BRCA1	BRCA2	BRD4	BRIP1
BTG1	BTK	C11orf30	CALR	CARD11	CASP8	CBFB	CBL	CCND1	CCND2
CCND3	CCNE1	CD274	CD276	CD74	CD79A	CD79B	CDC73	CDH1	CDK12
CDK4	CDK6	CDK8	CDKN1A	CDKN1B	CDKN2A	CDKN2B	CDKN2C	CEBPA	CENPA
CHD2	CHD4	CHEK1	CHEK2	CIC	CREBBP	CRKL	CRLF2	CSF1R	CSF3R
CSNK1A1	CTCF	CTLA4	CTNNA1	CTNNB1	CUL3	CUX1	CXCR4	CYLD	DAXX
DCUN1D1	DDR2	DDX41	DHX15	DICER1	DIS3	DNAJB1	DNMT1	DNMT3A	DNMT3B
DOT1L	E2F3	EED	EGFL7	EGFR	EIF1AX	EIF4A2	EIF4E	EML4	EP300
EPCAM	EPHA3	EPHA5	EPHA7	EPHB1	ERBB2	ERBB3	ERBB4	ERCC1	ERCC2
ERCC3	ERCC4	ERCC5	ERG	ERRF1	ESR1	ETS1	ETV1	ETV4	ETV5
ETV6	EWSR1	EZH2	FAM123B	FAM175A	FAM46C	FANCA	FANCC	FANCD2	FANCE
FANCF	FANCG	FANCI	FANCL	FAS	FAT1	FBXW7	FGF1	FGF10	FGF14
FGF19	FGF2	FGF23	FGF3	FGF4	FGF5	FGF6	FGF7	FGF8	FGF9
FGFR1	FGFR2	FGFR3	FGFR4	FH	FLCN	FLI1	FLT1	FLT3	FLT4
FOXA1	FOXL2	FOXO1	FOXP1	FRS2	FUBP1	FYN	GABRA6	GATA1	GATA2
GATA3	GATA4	GATA6	GEN1	GID4	GLI1	GNA11	GNA13	GNAQ	GNAS
GPR124	GPS2	GREM1	GRIN2A	GRM3	GSK3B	H3F3A	H3F3B	H3F3C	HGF
HIST1H1C	HIST1H2BD	HIST1H3A	HIST1H3B	HIST1H3C	HIST1H3D	HIST1H3E	HIST1H3F	HIST1H3G	HIST1H3H
HIST1H3I	HIST1H3J	HIST2H3A	HIST2H3C	HIST2H3D	HIST3H3	HLA-A	HLA-B	HLA-C	HNF1A
HNRNPK	HOXB13	HRAS	HSD3B1	HSP90AA1	ICOSLG	ID3	IDH1	IDH2	IFNGR1
IGF1	IGF1R	IGF2	IKBKE	IKZF1	IL10	IL7R	INHA	INHBA	INPP4A
INPP4B	INSR	IRF2	IRF4	IRS1	IRS2	JAK1	JAK2	JAK3	JUN
KAT6A	KDM5A	KDM5C	KDM6A	KDR	KEAP1	KEL	KIF5B	KIT	KLF4
KLHL6	KMT2B	KMT2C	KMT2D	KRAS	LAMP1	LATS1	LATS2	LMO1	LRP1B
LYN	LZTR1	MAGI2	MALT1	MAP2K1	MAP2K2	MAP2K4	MAP3K1	MAP3K13	MAP3K14
MAP3K4	MAPK1	MAPK3	MAX	MCL1	MDC1	MDM2	MDM4	MED12	MEF2B
MEN1	MET	MGA	MITF	MLH1	MLL	MLLT3	MPL	MRE11A	MSH2
MSH3	MSH6	MST1	MST1R	MTOR	MUTYH	MYB	MYC	MYCL1	MYCN
MYD88	MYOD1	NAB2	NBN	NCOA3	NCOR1	NEGR1	NF1	NF2	NFE2L2
NFKBIA	NKX2-1	NKX3-1	NOTCH1	NOTCH2	NOTCH3	NOTCH4	NPM1	NRAS	NRG1
NSD1	NTRK1	NTRK2	NTRK3	NUP93	NUTM1	PAK1	PAK3	PAK7	PALB2
PARK2	PARP1	PAX3	PAX5	PAX7	PAX8	PBRM1	PDCD1	PDCD1LG2	PDGFRA
PDGFRB	PDK1	PDPK1	PGR	PHF6	PHOX2B	PIK3C2B	PIK3C2G	PIK3C3	PIK3CA
PIK3CB	PIK3CD	PIK3CG	PIK3R1	PIK3R2	PIK3R3	PIM1	PLCG2	PLK2	PMAIP1
PMS1	PMS2	PNRC1	POLD1	POLE	PPARG	PPM1D	PPP2R1A	PPP2R2A	PPP6C
PRDM1	PREX2	PRKAR1A	PRKCI	PRKDC	PRSS8	PTCH1	PTEN	PTPN11	PTPRD
PTPRS	PTPRT	QKI	RAB35	RAC1	RAD21	RAD50	RAD51	RAD51B	RAD51C
RAD51D	RAD52	RAD54L	RAF1	RANBP2	RARA	RASA1	RB1	RBM10	RECQL4
REL	RET	RFWD2	RHEB	RHOA	RICTOR	RIT1	RNF43	ROS1	RPS6KA4
RPS6KB1	RPS6KB2	RPTOR	RUNX1	RUNX1T1	RYBP	SDHA	SDHAF2	SDHB	SDHC
SDHD	SETBP1	SETD2	SF3B1	SH2B3	SH2D1A	SHQ1	SLIT2	SLX4	SMAD2

SMAD3	SMAD4	SMARCA4	SMARCB1	SMARCD1	SMC1A	SMC3	SMO	SNCAIP	SOCS1
SOX10	SOX17	SOX2	SOX9	SPEN	SPOP	SPTA1	SRC	SRSF2	STAG1
STAG2	STAT3	STAT4	STAT5A	STAT5B	STK11	STK40	SUFU	SUZ12	SYK
TAF1	TBX3	TCEB1	TCF3	TCF7L2	TERC	TERT	TET1	TET2	TFE3
TFRC	TGFBR1	TGFBR2	TMEM127	TMPRSS2	TNFAIP3	TNFRSF14	TOP1	TOP2A	TP53
TP63	TRAF2	TRAF7	TSC1	TSC2	TSHR	U2AF1	VEGFA	VHL	VTCN1
WISP3	WT1	XIAP	XPO1	XRCC2	YAP1	YES1	ZBTB2	ZBTB7A	ZFHX3
ZNF217	ZNF703	ZRSR2							