

Supplemental Tables for:

Deep targeted sequencing and its potential implication for cancer therapy in Chinese patients with gastric adenocarcinoma

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Table S1. Characteristics of the patients

Characteristics	Number	Percentage
Age		
20-30 years	11	2.10%
31-40 years	22	4.20%
41-50 years	79	14.90%
51-60 years	159	30.10%
61-70 years	178	33.60%
71-80 years	72	13.60%
81-90 years	8	1.50%
Gender		
Male	356	67.30%
Female	173	32.70%
Stage		
I-II	111	21.00%
III-IV	341	64.50%
Unknown	77	14.50%
MSI status		
MSS/MSI-L	469	88.70%
MSI-H	60	11.30%
TMB status		
<10 Muts/Mb	363	68.60%
≥10 Muts/Mb	166	31.40%
10-20 Muts/Mb	96	18.10%
20-50 Muts/Mb	33	6.20%
50-100 Muts/Mb	31	5.90%
≥100 Muts/Mb	6	1.10%

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Table S2. Gene lists for OM 450-gene panel.

Gene name

ABL1	BCORL1	CFTR	EPHA2
ABL2	BCR	CHD2	EPHA3
ACVR1B	BIRC5	CHD4	EPHA5
ACVR2A	BLK	CHEK1	EPHA7
ADAM29	BLM	CHEK2	EPHB1
ADGRA2	BMPR1A	CIC	ERBB2
AKT1	BMX	COL1A1	ERBB3
AKT2	BRAF	CRBN	ERBB4
AKT3	BRCA1	CREB3L1	ERCC1
ALK	BRCA2	CREB3L2	ERG
AMER1	BRD4	CREBBP	ERRFI1
APC	BRIP1	CRKL	ESR1
APEX1	BTG1	CRLF2	ETV1
AR	BTK	CSF1	ETV4
ARAF	CAMTA1	CSF1R	ETV5
ARFRP1	CARD11	CSK	ETV6
ARID1A	CBFB	CSNK1A1	EWSR1
ARID1B	CBL	CTCF	EZH2
ARID2	CCND1	CTNNA1	FAM135B
ASXL1	CCND2	CTNNB1	FAM46C
ATF1	CCND3	CUL3	FANCA
ATM	CCNE1	CXCR4	FANCC
ATR	CD274	CYLD	FANCD2
ATRX	CD79A	CYP17A1	FANCE
AURKA	CD79B	CYP2D6	FANCF
AURKB	CDC73	DAXX	FANCG
AXIN1	CDH1	DDR1	FANCL
AXIN2	CDK12	DDR2	FANCM
AXL	CDK4	DICER1	FAS
BAP1	CDK6	DNMT3A	FAT1
BARD1	CDK8	DOT1L	FAT3
BCL2	CDKN1A	DPYD	FAT4
BCL2L1	CDKN1B	EGF	FBXW7
BCL2L11	CDKN2A	EGFR	FEN1
BCL2L2	CDKN2B	EMSY	FEV
BCL6	CDKN2C	EP300	FGF10
BCOR	CEBPA	EPCAM	FGF12

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FGF14	GRIN2A	KMT2C	MYCL
FGF19	GRM3	KMT2D	MYCN
FGF23	GSK3B	KRAS	MYD88
FGF3	H3F3A	LCK	NBN
FGF4	HCK	LIMK1	NCOA2
FGF6	HDAC9	LMO1	NCOR1
FGF7	HGF	LRP1	NEK11
FGFR1	HNF1A	LRP1B	NF1
FGFR2	HRAS	LRP2	NF2
FGFR3	HSD3B1	LYN	NFE2L2
FGFR4	HSP90AA1	LZTR1	NFIB
FGR	HTATIP2	MACC1	NFKBIA
FH	IDH1	MAGI2	NKX2-1
FLCN	IDH2	MAP2K1	NOTCH1
FLI1	IGF1R	MAP2K2	NOTCH2
FLT1	IGF2	MAP2K4	NOTCH3
FLT3	IKBKE	MAP3K1	NOTCH4
FLT4	IKZF1	MAP3K13	NPM1
FOS	IL7R	MAP4K5	NR4A3
FOXL2	INHBA	MCL1	NRAS
FOXO1	INPP4B	MDM2	NRG1
FOXP1	IRF2	MDM4	NRG3
FRS2	IRF4	MED12	NSD1
FUBP1	IRS2	MEF2B	NTRK1
FUS	ITK	MEN1	NTRK2
FYN	JAK1	MERTK	NTRK3
GABRA6	JAK2	MET	NUP93
GATA1	JAK3	MGMT	PAK3
GATA2	JUN	MITF	PALB2
GATA3	KAT6A	MLH1	PARK2
GATA4	KDM5A	MPL	PARP1
GATA6	KDM5B	MRE11	PARP2
GID4	KDM5C	MS4A1	PARP3
GLI1	KDM6A	MSH2	PARP4
GLI2	KDR	MSH6	PAX5
GLI3	KEAP1	MST1R	PBRM1
GNA11	KEL	MTOR	PCA3
GNA13	KIT	MUTYH	PDCD1
GNAQ	KLHL6	MYB	PDCD1LG2
GNAS	KMT2A	MYC	PDGFB

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PDGFRA	RAD54L	SOX2	TSC1
PDGFRB	RAF1	SOX9	TSC2
PDK1	RANBP2	SPEN	TSHR
PIK3C2B	RARA	SPINK1	TYK2
PIK3CA	RB1	SPOP	U2AF1
PIK3CB	RBM10	SPTA1	UGT1A1
PIK3CD	RECQL	SRC	VEGFA
PIK3CG	REL	SRMS	VHL
PIK3R1	RELA	SS18	WEE1
PIK3R2	RELB	SSX1	WEE2
PKD2	RET	STAG2	NSD2
PLA2G1B	RHBDF2	STAT3	WISP3
PLCG2	RHOA	STAT4	WT1
PMS2	RICTOR	STK11	XIAP
POLB	RNF43	STK24	XPO1
POLD1	ROCK1	SUFU	XRCC2
POLE	ROCK2	SYK	XRCC3
PPP2R1A	ROS1	TAF1	YES1
PRDM1	RPTOR	TBX3	ZBTB2
PREX2	RUNX1	TCF7L2	ZNF217
PRKACA	RUNX1T1	TEK	ZNF703
PRKAR1A	RXRA	TERT	ZNF750
PRKCI	SDHA	TET1	
PRKDC	SDHB	TET2	
PRSS1	SDHC	TET3	
PRSS8	SDHD	TFE3	
PTCH1	SETD2	TGFBR1	
PTEN	SF3B1	TGFBR2	
PTK2	SIK1	TIE1	
PTK6	SLIT2	TIPARP	
PTPN11	SMAD2	TMPRSS2	
QKI	SMAD3	TNFAIP3	
RAC1	SMAD4	TNFRSF14	
RAD50	SMARCA4	TNFSF11	
RAD51	SMARCB1	TNFSF13B	
RAD51B	SMARCD1	TNK2	
RAD51C	SMO	TOP1	
RAD51D	SNCAIP	TOP2A	
RAD52	SOCS1	TP53	
RAD54B	SOX10	TPMT	