

KEY RESOURCES TABLE

REAGENT or RESOURCES	SOURCE	IDENTIFIER
Biological samples		
Human plasma	Sun Yat-sen University Cancer Center	This paper
Human tumor tissue	Sun Yat-sen University Cancer Center	This paper
Human white blood cell	Sun Yat-sen University Cancer Center	This paper
Chemicals and reagents		
Pamiparib	BeiGene Ltd.	This paper
Surufatinib	Hutchison MediPharma Limited.	This paper
Critical commercial assays		
DNeasy Blood and Tissue Kit	Qiagen	#69506
QIAamp Circulating Nucleic Acid Kit	Qiagen	#55114
dsDNA HS Assay Kit	Life Technologies	#Q32854
KAPA Hyper Prep Kit KAPA	Applied Biosystems	#KK8504/KK8529
NimbleGen SeqCap EZ Hybridization and Wash Kit	Roche	#05340730001
Deposited data		
The Genome Sequence Archive (GSA)	This study	To be uploaded
Data of patients	This study	https://www.researchdata.org.cn/
Softwares and algorithms		
Genome Analysis Toolkit	McKenna A et al.	https://github.com/broadinstitute/gatk/releases
VarScan2	Koboldt et al.	http://dkoboldt.github.io/varscan/
ANNOVAR(v 2015Mar22)	Wang et al.	https://annovar.openbioinformatics.org/en/latest/
ADTE _x	Kaushalya C Amarasinghe et al.	https://annovar.openbioinformatics.org/en/latest/
BWA (v0.7.12)	Li et al.	http://bio-bwa.sourceforge.net/
Picard (V.1.119)	Broad Institute	https://broadinstitute.github.io/picard/
R software (v4.3.2)	R project	https://www.r-project.org/