S3 Table. A detailed reference description of the WES method: somatic detection analysis pip

No.	Tools	Version	Option	Reference (website)	Description
1	mutect	1.1.4	-	http://www.nature.com/nbt/journal/v31/n3/abs/nbt.2514.html	Sensitive detection of somatic point mutations in impure and heterogeneous cancer samples
2	virmid	1.1.1	-q 30 (minimum mapping quality for sampling points)	https://genomebiology.biomedcentral.com/articles/10.1186/gb-2013-14-8-r90	Accurate detection of somatic mutations with sample impurity inference
3	gatk	2.3-9	SomaticIndelDetector	http://genome.cshlp.org/content/20/9/1297	For calling short indels in next generation sequencing data

WES, whole exome-sequencing.