Supplementary Table 2: NGS platforms applications.

	Whole genome sequencing		Exome sequencing	Targeted Gene Sequencing	Metagenomic	Transcriptome	Methylation Sequencing	ChipSeq
	Large Whole-Genome Sequencing	Small Whole-Genome Sequencing						
ABI/SOLiD	no	no	Yes	Yes	Yes	Yes	Yes	Yes
Illumina								
NovaSeq 6000	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HiSeq X Series	Yes	no	no	no	no	no	no	no
HiSeq 4000 System	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NextSeq Series	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MiSeq Series	no	Yes	no	Yes	Yes	no	no	Yes
MiniSeq System	no	Yes	no	Yes	Yes	no	no	no
iSeq 100 System	no	no	no	Yes	no	no	no	no
Ion Torrent								
Ion GeneStudio S5	no	Yes	Yes	Yes	Yes	Yes	no	Yes
Ion Proton	no	Yes	Yes	Yes	Yes	Yes	no	Yes
Ion PGM	no	Yes	no	Yes	no	no	no	no
Pacific Biosystems	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Oxford nanopore	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BGI500SEQ	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes