

Table S6 Comparison of PGM and MiSeq analysis cost and expected yield

	Illumina MiSeq	Ion Torrent PGM
System cost	¥18,800,000	¥11,400,000
Read length (bp)	150 x 2 [*]	100
Sequence yield per run	1.5-2G	100-200Mb ^{**}
Base call quality	>Q30	>Q20
Typical DNA requirement for sequencing	50-1000ng	100-1000ng
Run time (hr)	27	2
In this study ^{***}		
Sequencing cost per sample	¥32,166	¥77,000
Sample enrichment cost per sample	¥68,000	¥68,000
Run cost per sample	¥100,166	¥145,000
Run time / sample (hr)	4.5	2

* Using MiSeq Reagent Kit (300 cycle). ** Using 316 chip. *** Six samples were multiplexed in MiSeq run.

Approximately \$1=¥100