A high throughput, cost-efficient library preparation protocol for large scale next generation sequencing

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Abstract

Previously, *Picelli et al* (Picelli et al., 2014) reported a Tn5 transposase-based library construction procedure for Illumina sequencing. Here, we describe an optimised procedure for high throughput library preparation to facilitate large-scale sequencing that does not rely on advanced lab equipment. The Tn-5 transposase used can be purified using a publicly available construct (Picelli et al., 2014). Reaction buffers and primers can be prepared using standard chemicals available from common suppliers.

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