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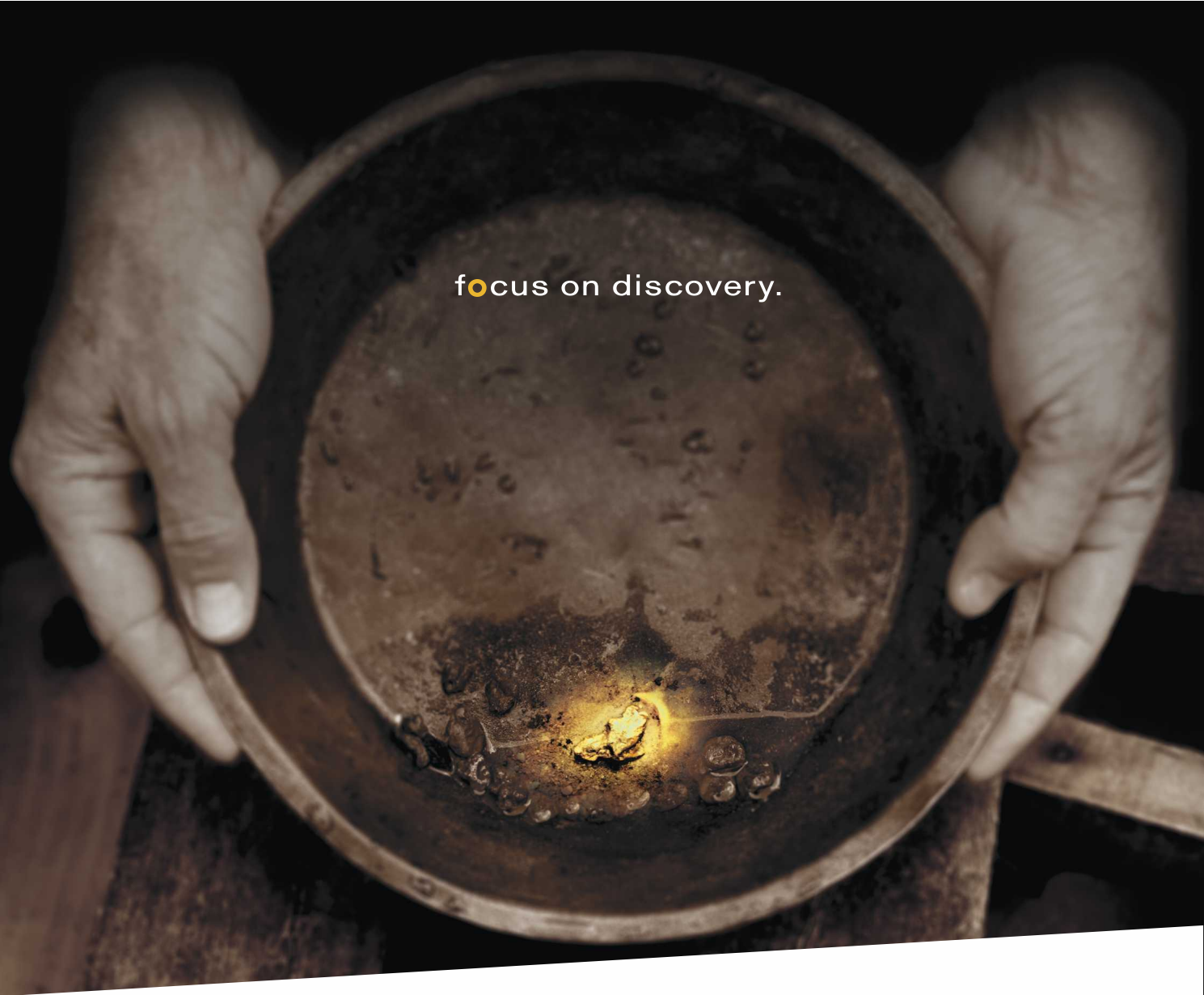
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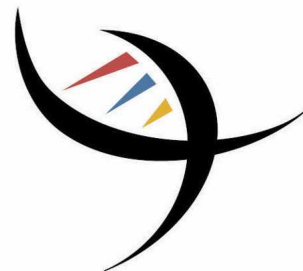


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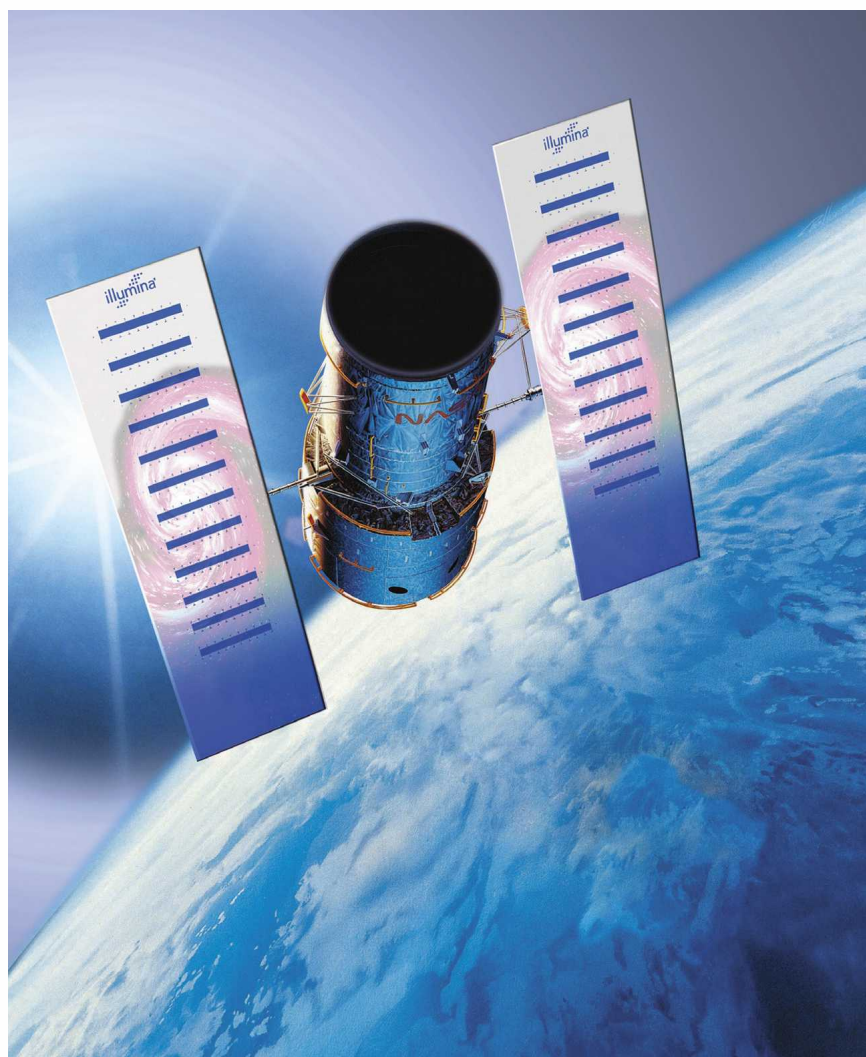
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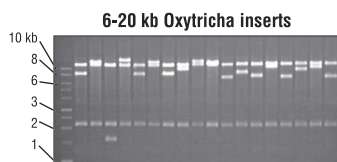


Figure 2. *Oxytricha trifallax* genomic DNA (75-85% AT) sheared to 6-20 kb and cloned into the pJAZZ-KA linear vector.

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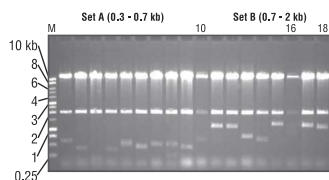


Figure 3. cDNA library of highly repetitive sequences (300-700 bp) cloned into the pJAZZ-KA linear vector.

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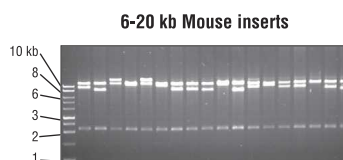


Figure 4. Mouse genomic DNA sheared to 6-20 kb and cloned into the pJAZZ-KA linear vector.

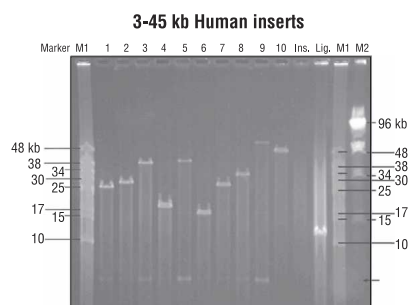


Figure 5. NotI-cut human DNA cloned into the pJAZZ-KA linear vector.

"The Tetrahymena genome is very AT-rich, and therefore it is difficult to construct large-insert libraries, which are useful in assembling whole genome shotgun sequences. The library construction team at TIGR had tried several times using plasmid and fosmid vectors, but the largest size range we could obtain was 4-6 kb. Lucigen was able to provide a library in pJAZZ-KA with an average insert size of 12 kb and some inserts as large as 20 kb."

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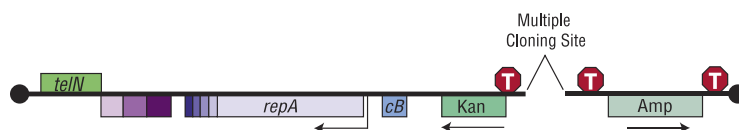


Figure 1. Schematic diagram of the pJAZZ-KA vector. telN, protelomerase gene; RepA, replication factor and low copy origin of replication (~4 per cell; inducible to 20-40 per cell); cB, replication control factor; Kan, Kanamycin resistance gene; Amp, Ampicillin resistance gene. Approximate positions of CloneSmart transcription terminators (T) are indicated.

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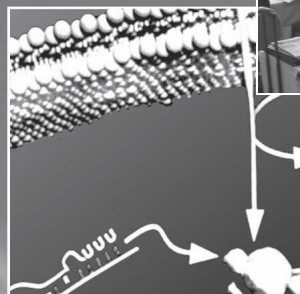
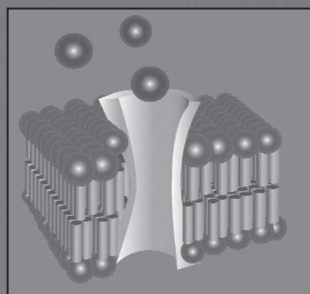


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