HiFi sequencing on the Sequel IIe system —
A single technology solution

HiFi reads mean you no longer need to compromise long read lengths for high-accuracy sequencing to answer your toughest biological questions

<table>
<thead>
<tr>
<th></th>
<th>HiFi reads</th>
<th>Short reads</th>
<th>Nanopore reads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long read lengths</td>
<td>✔</td>
<td>✗</td>
<td>✔</td>
</tr>
<tr>
<td>High accuracy</td>
<td>✔</td>
<td>✔</td>
<td>✗</td>
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<tr>
<td>5mC detection</td>
<td>✔</td>
<td>✗</td>
<td>✔</td>
</tr>
<tr>
<td>Easy sample prep</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Low coverage</td>
<td>✔</td>
<td>✗</td>
<td>✗</td>
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<tr>
<td>Fastest time to</td>
<td>✔</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>assembly</td>
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<td></td>
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<tr>
<td>Comprehensive variant</td>
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<td></td>
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<tr>
<td>(single nucleotide</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>through structural</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>variants)</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Standalone technology</td>
<td>✔</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>(no scaffolding or</td>
<td></td>
<td></td>
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<tr>
<td>polishing needed)</td>
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</table>

With this limited-time offer, you can trade in your Oxford Nanopore PromethION, GridION, or select Illumina or ABI sequencing systems for credit towards a new Sequel IIe system.
To learn more about this offer, visit pacb.com/sequel
Sequence with confidence

Whole genome sequencing
Sequence and assemble complete, reference-quality genomes and phase haplotypes

Variant detection
Call all variants — single nucleotide, indel, and structural variants — with high precision and recall

RNA sequencing
Characterize isoforms with direct sequencing of full-length transcripts — no assembly required

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Focus on variation in even the most difficult regions of the genome

Metagenomics
Resolve closely related sequences within a heterogeneous mixture

Epigenetics
Directly detect DNA modifications during sequencing

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Sequel Ile system
pacb.com/sequel

HiFi sequencing
pacb.com/HiFi

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1. In order to receive a trade-in credit towards the purchase of a new PacBio® Sequel Ile system, the customer must hold all rights, title, and interest to the sequencing system being exchanged for the credit, and it must be conveyed to PacBio free and clear of any mortgages, liens, or encumbrances.
2. Only select Oxford Nanopore, Illumina, and ABI sequencing systems are eligible for this promotion. Contact us to discuss the eligibility of your existing sequencing system.
3. Trade-in credits may not be combined with any other offers or promotions.
4. This promotion is not available in all regions. Discuss the details with your local PacBio sales representative.