

# Start-to-Finish Analysis of Integrated Genomics

*Statistics • Visualizations • Annotations*



**Partek**<sup>®</sup>  
turning data into **discovery**<sup>®</sup>

# Partek<sup>®</sup> Product Features



<b>Amplicon and Targeted Sequencing</b>		
<b>Pre and Post Alignment QA/QC</b>		
Alignments per read	•	•
Coverage	•	•
Individual and group QA/QC	•	
Average read quality score per position	•	
%GC content / % no calls	•	
Read length vs. num reads	•	
Read trim and filter	•	
<b>Sample Attribute Management</b>		
Sample management	•	•
Group attributes	•	•
Controlled vocabularies	•	
<b>SNP Detection</b>		
Genotype likelihood SNP calling		•
Rare variants (1%, 5%, 20%)		•
SNV and indel detection	•	
Against reference and across samples	•	•
<b>Visualization</b>		
SNPs	•	•
Amplicon and targeted sequences	•	•
SNP annotation databases (dbSNP)	•	•
Gene/transcript annotation databases	•	•
Custom annotation databases	•	•

# Partek<sup>®</sup> Recommended System Requirements



<b>Linux</b>	<b>Windows</b>	<b>MAC</b>
<ul style="list-style-type: none"><li>• 64-bit RedHat, CentOS, or Fedora</li><li>• 2 GHz multi-core CPU</li><li>• 4 GB or more RAM</li><li>• 500 GM free disc space or more</li><li>• High-speed network and web browser connection between client and server software</li></ul>	<ul style="list-style-type: none"><li>• 64-bit Windows<sup>®</sup> XP SP3, Vista, or Windows 7</li><li>• 2 GHz quore-core CPU</li><li>• 8 GB RAM</li><li>• 500 GM free disc space</li><li>• High-speed network and web browser connection between client and server software</li></ul>	<ul style="list-style-type: none"><li>• Leopard, Snow Leopard, or Lion</li><li>• 2 GHz multi-core PCU</li><li>• 4 GB or more RAM</li><li>• 500 GM free disc space or more</li><li>• High-speed network connection between client and server software</li><li>• High-speed network and web browser connection between client and server software</li></ul>



<b>Linux</b>	<b>Windows</b>	<b>MAC</b>
<ul style="list-style-type: none"><li>• 32 or 64-bit</li><li>• 2 GHz CPU</li><li>• 3 GB RAM</li><li>• 120 MB free disk space</li><li>• 16-bit color</li><li>• 1024 x 768 screen resolution</li></ul>	<ul style="list-style-type: none"><li>• All version of Windows</li><li>• 2 GHz CPU</li><li>• 3 GB RAM</li><li>• 120 MB free disk space</li><li>• 16-bit color</li><li>• 1024 x 768 screen resolution</li></ul>	<ul style="list-style-type: none"><li>• Leopard, Snow Leopard, or Lion</li><li>• 2 GHz CPU</li><li>• 3 GB RAM</li><li>• 120 MB free disk space</li><li>• 16-bit color</li><li>• 1024 x 768 screen resolution</li></ul>