

## R SYSTEMS

# R Systems provides record-breaking performance in next-generation sequencing at the University of Illinois Institute for Genomic Biology (IGB)

When University of Illinois faculty member Jian Ma needed high performance computing resources with 256GB RAM/node to assemble several mammalian genomes, it was suggested he contact R Systems. “I did not know these resources were available,” stated Ma. “R Systems has world class HPC resources that can assist any researcher with next-generation sequencing data analysis projects”.

R Systems, a leading provider of high performance computing resources located in the University of Illinois Research Park, provided IGB access to its newly installed Dell AMD Magny Cours cluster. Each node

contains (48) 2.2GHz cores with up to 256GB RAM/node and Quad Data rate Infiniband interconnect. We received record breaking performance and had the genome sequence completed in less than 8 hours.

“Not only did the hardware blow away our expectations, the service provided by R Systems was outstanding. Without their systems and support, this project would have taken months to finish. We went from bare metal to the same configuration we use on our internal resources in a very short period of time. They were there to walk us through the system and answer any questions we had before we started our project”.

**About R Systems:** R Systems NA, Inc. is a privately held corporation providing technical expertise and cluster resources for high performance computing. R Systems provides services aimed at benefiting the commercial and academic research communities and improving the quality of life throughout the planet.



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 to learn more about what we do!

