

Supplemental Data

Novel transcriptome assembly and improved annotation of the whiteleg shrimp (*Litopenaeus vannamei*), a dominant crustacean in global seafood mariculture

Noushin Ghaffari¹, Alejandro Sanchez-Flores², Ryan Doan³, Karina D. Garcia-Orozco⁶, Patricia L. Chen⁴, Adrian Ochoa-Leyva⁵, Alonso A. Lopez-Zavala⁶, J. Salvador Carrasco⁶, Chris Hong⁴, Luis G. Brieba⁷, Enrique Rudiño-Piñera⁸, Philip D. Blood⁹, Jason A. Sawyer¹⁰, Charles D. Johnson¹, Scott V. Dindot³, Rogerio R. Sotelo-Mundo⁶, Michael F. Criscitiello^{3,4,11}

¹Genomics and Bioinformatic Services
Texas A&M AgriLife Research
College Station, TX 77845 USA

²Unidad Universitaria de Apoyo Bioinformático
Universidad Nacional Autónoma de México
Cuernavaca, Morelos Mexico

³Department of Veterinary Pathobiology
College of Veterinary Medicine and Biomedical Sciences
Texas A&M University
College Station, TX 77843 USA

⁴Comparative Immunogenetics Laboratory
Department of Veterinary Pathobiology
College of Veterinary Medicine and Biomedical Sciences
Texas A&M University
College Station, TX 77843 USA

⁵Instituto Nacional de Medicina Genómica (INMEGEN)
Periférico Sur No. 4809, Col. Arenal Tepepan,
Delegación Tlalpan,
México, D.F., 14610, Mexico

⁶Centro de Investigación en Alimentación y Desarrollo (CIAD)
Carretera a Ejido La Victoria, Km 0.6
Hermosillo, Sonora 83304 Mexico

⁷Laboratorio Nacional de Genómica para la Biodiversidad
Centro de Investigación y de Estudios Avanzados del IPN
Irapuato, Guanajuato Mexico

⁸Departamento de Medicina Molecular y Bioprocesos
Instituto de Biotecnología

Universidad Nacional Autónoma de México
Cuernavaca, Morelos Mexico

⁹Pittsburgh Supercomputing Center
Pittsburgh, PA 15213 USA

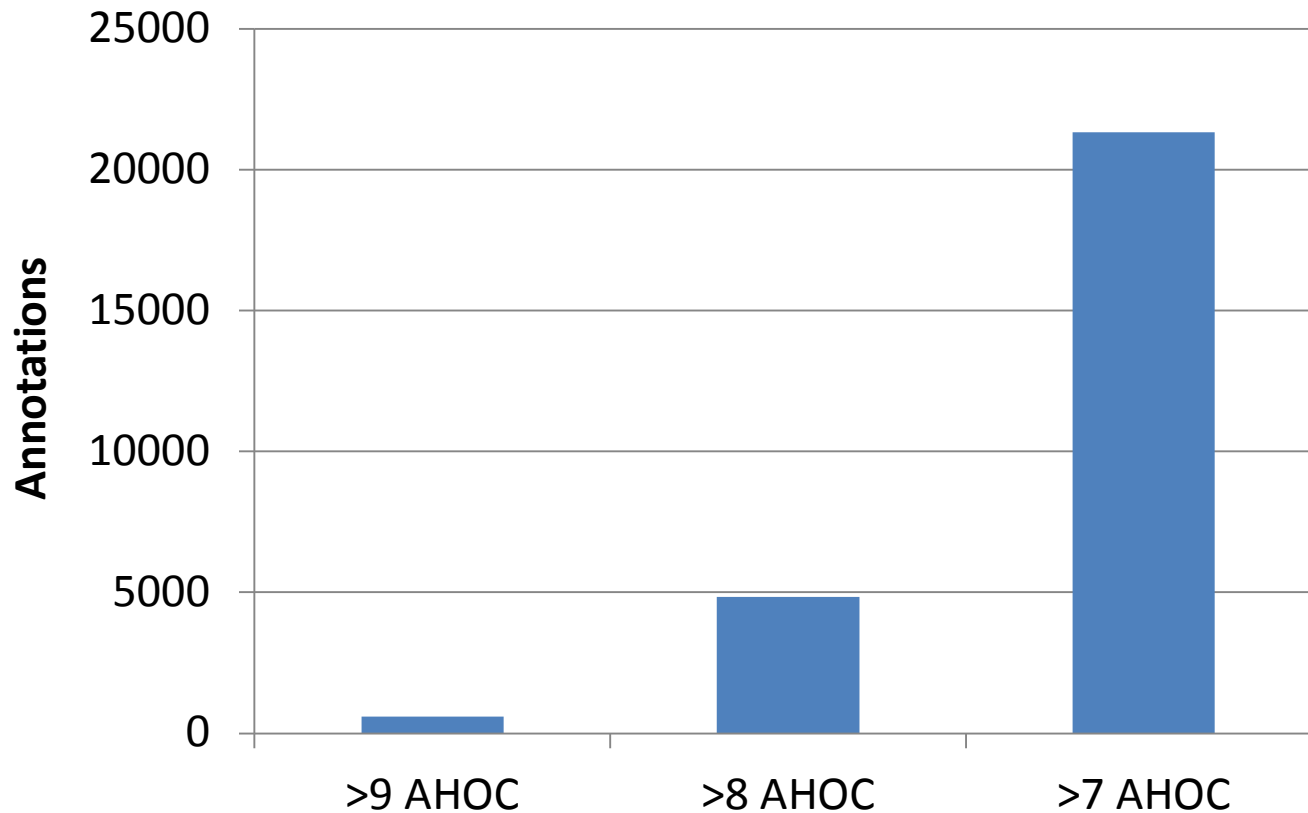
¹⁰Department of Animal Sciences
Texas Agrilife Research
Texas A&M University
College Station, TX 77843 USA

¹¹Department of Microbial Pathogenesis and Immunology
College of Medicine
Texas A&M Health Sciences Center
Texas A&M University
College Station, TX 77843 USA

Complete Supplemental data available at:

<http://repository.tamu.edu/handle/1969.1/152151>

Excel Spreadsheets of Supplemental Data 5, 6, and 7, available as separate files.



Supplemental Data 2. AHOC filtering of annotations. Graphical representation of the AHOC (Annotation Holding Output Column) filtered Trinotate annotation results. Shown are the numbers of contigs matching at least 10, 9 and 8 subjects upon BLAST, these three filtered annotation sets are condensed in Supplemental Data 3.