

PeanutBase: New Genome Assemblies and Breeding Support

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The genome assembly for cultivated peanut (cultivar Tifrunner) was completed and made available at PeanutBase in December, 2017. The gene models were completed and made available in February, 2018. In addition to hosting genomic, genetic, marker, and trait data, PeanutBase is adding to its database of phenotyped germplasm, is now hosting genotype data, and is collaborating with the Integrated Breeding Platform (IBP) and with the developers of BrAPI (Breeders API), a standard protocol that permits breeding resources to exchange data with each other. The goal is to link genetic and genomic data held at PeanutBase to breeding systems. This talk will describe the latest data and features at PeanutBase and plans for the future.