Focus	Generation of genome sequence diversity information for wild relatives of rice
PI	Nori Kurata Genetic Resource Center, National Institute of Genetics
Period	FY2014
Overview	The NBRP rice resource project has been making progress on the issue of "Construction of rice resource foundation for harnessing the diversity of the genus <i>Dryza</i> ". In the program we have prepared about 1700 accessions of wild relatives of rice from 9 genome types and 23 species covering almost all of the wild species in the genus <i>Dryza</i> , originally collected from all over the world. Among them, we selected 280 accessions as a core collection and have investigated their various trait characters. We have accumulated genome information for an additional 350 wild AA genome accessions at about 10% genome sequence coverage. An international consortium for comparative genomics of rice is now performing genome-wide sequencing on wild diploid species such as those possessing AA, BB, CC, EE, FF and GG genomes. As part of that consortium, we, the National Institute of Genetics group, were assigned to construct CC genome sequences and have been making progress on doing so for one of the species. As part of the proposed program, we plan to construct precise pseudo-molecules for the remaining two CC genome species. This information will be released to researchers worldwide to form a foundation for diversity and evolutionary studies of <i>Oryza</i> . We believe that this information together with our biological resources will contribute to future progress in the research community.
Progress	OryzaGenome