## DETERMINATION OF CONTENT AND COMPARISON OF STORAGE PROTEINS IN ACCESSIONS OF RICE (*Oryza sativa*) CORE COLLECTION OF EMBRAPA

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This study aimed to analyze the rice storage protein in relation to its quantity and quality, using 30 genotypes from Embrapa Rice Core Collection (ERiCC). The total protein content was determined by the Bradford method in microassays. SDS-PAGE was used for qualitative analysis, which produced profiles of the total protein. The average protein content was 8,1%. It was identified differential protein profiles using SDS-PAGE for the wild and red rice genotypes, especially for the glutelins. It was identified at least six different types of alpha-glutelins (32 to 39 kDa), which are being used routinely in the screening of additional rice genotypes from the breeding program. These results showed variability in the content and types of proteins in the rice genotypes, clearly indicating the high potential of this germplasm to be used as a primary source to increase the grain protein quality and content of new rice cultivars. The results obtained in the present work were added to the data bank that is being established for the ERICC.