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## **Analysis of Fungal Communities on Ulleungdo and Dokdo Islands**

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In this study, we used pyrosequencing method to analysis of soil fungal communities on the Ulleungdo and Dokdo islands. 768 operational taxonomic units (OTUs) were analyzed from the Ulleungdo sample and 640 OTUs and 382 OTUs were analyzed from the Dongdo and Seodo samples, respectively. Compared to the species richness of Ulleungdo and the Dokdo sample, the Ulleungdo sample was higher than in the Dongdo and Seodo samples. Species diversity was much the same. The phylum Basidiomycota was dominant in the Ulleungdo sample, while the phylum Ascomycota was dominant in the Dongdo sample.

**Keyword:** fungal community, Dokdo, Ulleungdo, pyrosequencing