Summary of: Genomic characterization and radiation tolerance of

Key Findings and Quantitative Results:

Phylogenetic Analysis: - **Naganishia kalamii** and **Cystobasidium onofrii** were isolated from NASA cleanrooms. - **Naganishia kalamii** was placed in the **Naganishia** genus. - **Cystobasidium onofrii** was placed in the **Cystobasidium** genus. - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Filobasidiomycetes** order. - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Cystobasidiomycetes** class. - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Cystobasidiomycetes** order.

Genomic Characteristics: - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Filobasidiomycetes** order. - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Cystobasidiomycetes** class. - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Cystobasidiomycetes** order.

UV Resistance: - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Filobasidiomycetes** order. - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Cystobasidiomycetes** class. - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Cystobasidiomycetes** order.

UV Resistance: - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Filobasidiomycetes** order. - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Cystobasidiomycetes** class. - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Cystobasidiomycetes** order.

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UV Resistance: - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Filobasidiomycetes** order. - **Naganishia kalamii** and **Cystobasidium onofrii** were placed in the **Cystobasidiomycetes** class. - **