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Isolation of aquatic yeasts with the ability to neutralize acidic media, from an extremely acidic river near Japan's Kusatsu-Shirane Volcano.

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| メタデータ | 言語: eng 出版者: 公開日: 2018-12-10 キーワード (Ja): キーワード (En): 作成者: Mitsuya, Daisuke, Hayashi, Takuya, Wang, Yu, Tanaka, Mami, Okai, Masahiko, Ishida, Masami, Urano, Naoto メールアドレス: 所属: |
| URL | https://oacis.repo.nii.ac.jp/records/1610 |

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1 **Table 1.** Identification of the isolates by an ITS1 sequence analysis

| Strain | Organism (BLAST result) | Sequence identity ^a | GenBank accession no. |
|--|-------------------------------|--------------------------------|--------------------------|
| (i) Sampling site upstream of neutralization plant (27.9°C, pH 1.9) | | | |
| AeA6 | <i>Candida fluviatilis</i> | 100% (189/189) | LC133464 |
| EeB28 | <i>Candida palmioleophila</i> | 100% (191/191) | LC133465 |
| EeC21 | <i>Candida fluviatilis</i> | 100% (189/189) | LC133466 |
| (ii) Sampling site downstream of neutralization plant (27.8°C, pH 4.9) | | | |
| CeA14 | <i>Candida fluviatilis</i> | 100% (189/189) | LC133467 |
| CeA16 | <i>Candida fluviatilis</i> | 100% (189/189) | LC133463 |
| CeG17 | <i>Candida fluviatilis</i> | 100% (189/189) | LC133468 |
| GeC45 | <i>Candida fluviatilis</i> | 100% (189/189) | LC133469 |

2 ^a Percentage of identity (Number of identical sequence / aligned sequence shared with
3 type strain). Type strain: *C. fluviatilis* ATCC 38621^T (GenBank accession no.
4 HQ652068, NCBI RefSeq accession no. NR_111589), *C. palmioleophila* CBS 7418^T
5 (GenBank accession no. KY102283, NCBI RefSeq accession no. NR_077076).

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