Claims

1. A progeny yeast strain, wherein said progeny yeast strain is the progeny of a first parental yeast strain and a second parental yeast strain, wherein
    - the first parental yeast strain is of the species *Saccharomyces cerevisiae*; and
    - said first parental yeast strain and said progeny yeast strain carry a mutation in a gene encoding ILV2, wherein ILV2 is as set forth in SEQ ID NO: 1 or a functional homologue of SEQ ID NO: 1 with at least 90% sequence identity to SEQ ID NO: 1, wherein said mutation results in an amino acid substitution at position 498 of SEQ ID NO: 1 or an amino acid substitution at the corresponding position of said functional homologue thereof,

    wherein said first parental yeast strain and said progeny yeast strain are each capable of producing a fermented test solution upon incubation in a test solution, wherein the test solution is an extract of malt and/or cereal, and wherein said fermented test solution does not reach a level of total diacetyl above 50 ppb at any time during fermentation, wherein
    - said test solution is a wort with an apparent extract of at least 9° Plato and a pH in the range of 4.0 to 5.0, and
    - said incubation in said test solution is performed for between 2 to 6 days at a temperature in the range of 12°C to 18 °C after inoculation of in the range of 7.000.000 to 20.000.000 viable yeast cells per mL test solution.

2. The progeny yeast strain according to claim 1, wherein said mutation results in the substitution of a non-polar amino acid to a charged amino acid.

3. The progeny yeast strain according to any one of the preceding claims, wherein said mutation results in the substitution of a non-polar amino acid to aspartate (D) or glutamate (E).

4. The progeny yeast strain according to any one of the preceding claims, wherein said mutation results in the substitution of a glycine (G) to glutamate (E) or

wherein said mutation results in a G498E substitution.

5. The progeny yeast strain according to any one of the preceding claims, wherein said second parental yeast strain is of the genus *Saccharomyces* and/or is of the species *Saccharomyces cerevisiae.*

6. The progeny yeast strain according to any one of the preceding claims, wherein said second parental yeast strain and/or said progeny yeast strain is not capable of completely converting maltose into ethanol and/or is not capable of growing on maltose as sole carbon source or grows significantly slower on maltose as sole carbon source compared to other yeasts.

7. The progeny yeast strain according to any one of the preceding claims, wherein said progeny yeast strain is not capable of completely converting maltotriose into ethanol.

8. The progeny yeast strain according to any one of the preceding claims, wherein said progeny yeast strain produces at the most 1,0% ABV after incubation in the test solution.

9. The progeny yeast strain according to any one of the preceding claims, wherein said second parental yeast strain is PPU121 as deposited with DSMZ under the accession number DSM 34497.

10. The progeny yeast strain according to any one of the preceding claims, wherein said second parental strain and/or said progeny yeast strain is not capable of converting more than 25% of *p*-coumaric acid into 4-ethylphenol when incubated in an aqueous solution comprising *p*-coumaric acid.

11. A method of producing a progeny yeast strain, said method comprising the steps of:

- Providing spores of a first parental yeast strain, wherein said first parental yeast strain carries a mutation in a gene encoding ILV2, wherein ILV2 is as set forth in SEQ ID NO: 1 or a functional homologue of SEQ ID NO: 1 with at least 90% sequence identity to SEQ ID NO: 1,

wherein said mutation results in an amino acid substitution at position 498 of SEQ ID NO: 1 or an amino acid substitution at the corresponding position of said functional homologue thereof,

- Mating said spore with spores of a second parental yeast strain,

wherein at least one spore of the first parental yeast strain has a mating type different to at least one spore of the second parental yeast strain.

12. The method according to claim 11, wherein said second parental yeast strain is as defined in any one of claims 5 to 6.

13. A method of producing a fermented aqueous extract, said method comprising the steps of:

i) providing an aqueous extract of malt and/or cereal;

ii) providing a progeny yeast strain according to any one of claims 1 to 10; and

iii) fermenting the aqueous extract provided in step i) with said yeast strain of step ii), thereby obtaining a fermented aqueous extract.

14. A fermented aqueous extract prepared by the method according to claim 13.

15. A method for producing a beverage, said method comprising the steps of:

a) preparing a fermented aqueous extract according to claim 13, and

b) processing said fermented aqueous extract into a beverage.