

New Combinations in the Genera *Brettanomyces*, *Kluyveromyces*, *Lodderomyces* and *Wingea*

by

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Van der Walt and Van Kerken (1959) and Van der Walt (1965, 1966, 1967) introduced several non-valid combinations in the genera *Brettanomyces*, *Kluyveromyces*, *Lodderomyces* and *Wingea* by omitting to list relevant basionyms according to the requirements of Article 33 of the International Code of Botanical Nomenclature. As these combinations, however, have been adopted in the new taxonomic treatise edited by Lodder (1970), they are now validated in conformance with the requirements of the Code.

Brettanomyces intermedius (*Krumbholz & Tauschanoff*) *v.d. Walt & v. Kerken*, comb. nov.

Basionym: *Mycotorula intermedia* Krumbholz & Tauschanoff in Zentr. Bakteriolog. Parasitenkunde Abt. II, 88: 367 (1933).

Kluyveromyces aestuarii (*Fell*) *v.d. Walt*, comb. nov.

Basionym: *Saccharomyces aestuarii* Fell in Antonie van Leeuwenhoek 27: 29 (1961).

Kluyveromyces bulgaricus (*Santa Maria*) *v.d. Walt*, comb. et stat. nov.

Basionym: *Saccharomyces fragilis* Jörgensen var. *bulgaricus* Santa Maria in Anales Inst. Nac. Invest. Agric. 8: 165 (1956).

Kluyveromyces delphensis (*v.d. Walt & Tscheuschner*) *v.d. Walt*, comb. nov.

Basionym: *Saccharomyces delphensis* *v.d. Walt & Tscheuschner* in Antonie van Leeuwenhoek 22: 165 (1956).

Kluyveromyces dobzhanskii (*Shehata, Phaff & Mrak*) *v.d. Walt*, comb. nov.

Basionym: *Saccharomyces dobzhanskii* Shehata, Phaff & Mrak in Mycologia 47: 805 (1955).

Kluyveromyces drosophilorum (*Shehata, Phaff & Mrak*) *v.d. Walt*, comb. nov.

Basionym: *Saccharomyces drosophilorum* Shehata, Phaff & Mrak in Mycologia 47: 804 (1955).

Kluyveromyces fragilis (*Jörgensen*) *v.d. Walt*, comb. nov.

Basionym: *Saccharomyces fragilis* Jörgensen in Die Mikro-organismen der Gärungsindustrie 5te Auflage, Berlin, p. 377 (1909).

Kluyveromyces lactis (*Dombrowski*) *v.d. Walt*, comb. nov.

Basionym: *Saccharomyces lactis* Dombrowski in Zentr. Bakteriolog. Parasitenkunde Abt. II, 28: 366 (1910).

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Kluyveromyces lodderi (*v.d. Walt & Tscheuschner*) *v.d. Walt*, comb. nov.
 Basionym: *Saccharomyces lodderi* *v.d. Walt & Tscheuschner* in *Antonie van Leeuwenhoek* 23: 188 (1957).

Kluyveromyces marxianus (*Hansen*) *v.d. Walt*, comb. nov.
 Basionym: *Saccharomyces marxianus* *Hansen* in *Meddelelser Carlsberg Laboratoriet* 2: 222, 1883-88 (1888).

Kluyveromyces phaffii (*v.d. Walt*) *v.d. Walt*, comb. nov.
 Basionym: *Fabospora phaffii* *v.d. Walt* in *Antonie van Leeuwenhoek* 29: 320 (1963).

Kluyveromyces phaseolosporus (*Shehata, Phaff & Mrak*) *v.d. Walt*, comb. nov.
 Basionym: *Saccharomyces phaseolosporus* *Shehata, Phaff & Mrak* in *Mycologia* 47: 806 (1955).

Kluyveromyces vanudenii (*v.d. Walt & Nel*) *v.d. Walt*, comb. nov.
 Basionym: *Saccharomyces vanudenii* *v.d. Walt & Nel* in *Mycopathol. Mycol. Appl.* 20: 73 (1963).

Kluyveromyces veronae (*Lodder & Kreger-v. Rij*) *v.d. Walt*, comb. nov.
 Basionym: *Saccharomyces veronae* *Lodder & Kreger-v. Rij* in *The Yeasts*, 1st Edition, Amsterdam, p. 669 (1952).

Kluyveromyces wickerhamii (*Phaff, Miller & Shifrine*) *v.d. Walt*, comb. nov.
 Basionym: *Saccharomyces wickerhamii* *Phaff, Miller & Shifrine* in *Antonie van Leeuwenhoek* 22: 150 (1956).

Lodderomyces elongisporus (*Recca & Mrak*) *v.d. Walt*, comb. nov.
 Basionym: *Saccharomyces elongisporus* *Recca & Mrak* in *Food Technology* 6: 451 (1952).

Wingea robertsii (*v.d. Walt*) *v.d. Walt*, comb. nov.
 Basionym: *Pichia robertsii* *v.d. Walt* in *Antonie van Leeuwenhoek* 25: 342 (1959).

Saccharomyces kloeckerianus *v.d. Walt*, nom. nov.
 Synonym: *Debaryomyces globosus* *Klöcker* in *Compt. rend. trav. lab. Carlsberg* 7: 273, 1907-'09 (1909).

REFERENCES

- LODDER, J. (Ed.), 1970. *The Yeasts* 2nd Ed., Amsterdam: North Holland Publ. C.
 VAN DER WALT, J. P., 1965. The emendation of the genus *Kluyveromyces* *v.d. Walt*, *Antonie van Leeuwenhoek* 31: 341-348.
 VAN DER WALT, J. P., 1966. *Lodderomyces*, a new genus of *Saccharomycetaceae*. *Antonie van Leeuwenhoek* 32: 1-5.
 VAN DER WALT, J. P., 1967. *Wingea*, a new genus of *Saccharomycetaceae*. *Antonie van Leeuwenhoek* 33: 97-99.
 VAN DER WALT, J. P. & VAN KERKEN, A. E., 1959. The wine yeasts of the Cape. Part V. The occurrence of *Brettanomyces intermedius* and *Brettanomyces schanderlii* in South African table wines. *Antonie van Leeuwenhoek* 25: 145-151.