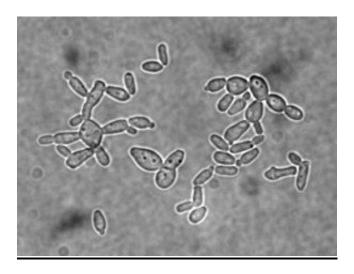
## **CANDIDA TENUIS**

SCIENTIFIC CLASSIFICATION	
Kingdom	Fungi
Division	Ascomycota
Class	Saccharomycetes
Order	Saccharomycetales
Family	Saccharomycetaceae
Genus	Candida
Species	C.tenuis



The fungus Candida tenuis has been isolated from numerous coniferous trees, cactus roots and the digestive tracts of many species of wood-boring beetles where it may have a symbiotic relationship with the insect. It is an important yeast species for research into biofuel production due to its rare ability to efficiently ferment and assimilate xylose, a major component of plant cell walls. The genome of Candida tenuis was sequenced in 2011 along with another xylose-fermenting yeast species Spathaspora passalidarum, in an effort to identify genes used for xylose metabolism for subsequent use in microbe engineering. The Candida tenuis genome was sequenced to 26.9 X coverage, generating 10.7 Mb representing eight chromosomes.