

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.