Enzymes Identification

Metagenomic approach

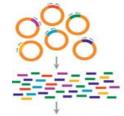


Extreme environment sample

DNA extraction



Clones Library construction and Sequencing



Assembly into scaffolds and contigs

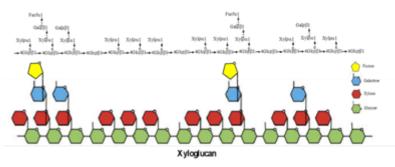
<u>1999-91</u> 1992-91 1

Data analysis and microorganism/genes identification

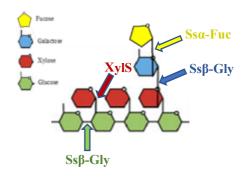


Enzymes Characterization

Novel enzymes involved in hemicellulose degradation



Lab monosaccharides production



Investigate the potential use of novel enzymes in biorefineries for the sustainable production of energy

