

Information on Search Strategy - Pilot phase (see OJ 2015, A86)

The type of information contained in this sheet may change during the pilot for improving the usefulness of this new service.

Application Number

PCT/EP2016/079276

TITLE: MOBILISATION OF TRANSPOSABLE ELEMENTS TO ENHANCE GENETIC AND EPIGENETIC VARIABILITY IN A POPULATION

APPLICANT: UNIVERSITÄT BASEL

IPC CLASSIFICATION: C12N15/01, A61K31/7068, C07H19/06, A61L31/16, A01H1/06, A01H3/04

EXAMINER: Kurz, Birgit

CONSULTED DATABASES: INET, REG, TXT+, WPI, BIOSIS, CAPLUS, DOSYS, EBI, EMBASE, MEDLINE, NPL

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: A01H1/06, A01H3/04, A61L31/16, A61K31/7068, C07H19/06, C12N15/01

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

Treatment of Arabidopsis wild-type seedlings in vitro with 40 microM zebularine, and 5 microg/ml alpha-amanitin combined with heat stress leads to a high accumulation of extrachromosomal DNA of the heat responsive ONSEN transposable element.

The stable integration of additional copies of the ONSEN TE into the genome of heat stressed and treated plants was ascertained by a simplified transposon display based on the Genomewalker Universal kit