Keywords: Arabidopsis, promoters, microarray, intergenic regions, IGR.

The SAP project

Laboratories participating in the SAP initiative:

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Objectives:

The SAP project (Systematic Analysis of Promoters) is coordinated by Pierre Hilson. The aim of this project is to provide a chip containing 11,000 Arabidopsis promoters (soon 20,000 for the second version): sequences of a maximum of 2kb
upstream of genes predicted by Eugene. This chip will be used for the study of DNA/protein interactions. ChIP-Chip...

Different versions of SAP arrays:

**SAP (pilot)** (link to ADT-33_SAP.gal): 11,000 Arabidopsis promoters, repeated twice on the slide.

Hybridization example:

![Hybridization Example](image)

- 3' end identified as ATG in fl cDNA (12,236 non-redundant sequences)
- 5' end identified as the start or stop of CDS in Eugène annotated genome

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P. Hilson

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**Intergenic region length distribution**

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**Equipment:**

- 4 GeneAmp 9700 PCR machines from Applied Biosystems
- 2 Automatic Environmental SpeedVac Systems from Savant
Service activities:
Laboratories wishing to use SAP arrays in collaboration with the URGV should contact Jean Pierre Renou.