Homogenize frozen plant material

1st cross-link with DSG 1h, RT

2nd cross-link with FAA 5', RT

Isolate nuclei (douncer), lyse nuclei (low SDS)

Fragment DNA by sonication

ChIP overnight at 4°C

Wash and elute complex from beads

Reverse cross-linking overnight at 65°C

Treat with Proteinase K for 2 hrs

Phenol-Chlorophorm extract DNA

Use recovered DNA for qPCR-validation

Library-preparation & sequencing

**Nuclear cytometric profile**

Counts

3 days

Counts

7 days

Counts

Counts

Enrichment (% of input)

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<th>MCM5</th>
<th>ORC3</th>
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<th>RBR1_2</th>
<th>RBR1_E2F</th>
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**Enrichment (At3g12290)**

**Enrichment (RBR1 (At3G12280))**