

Bract

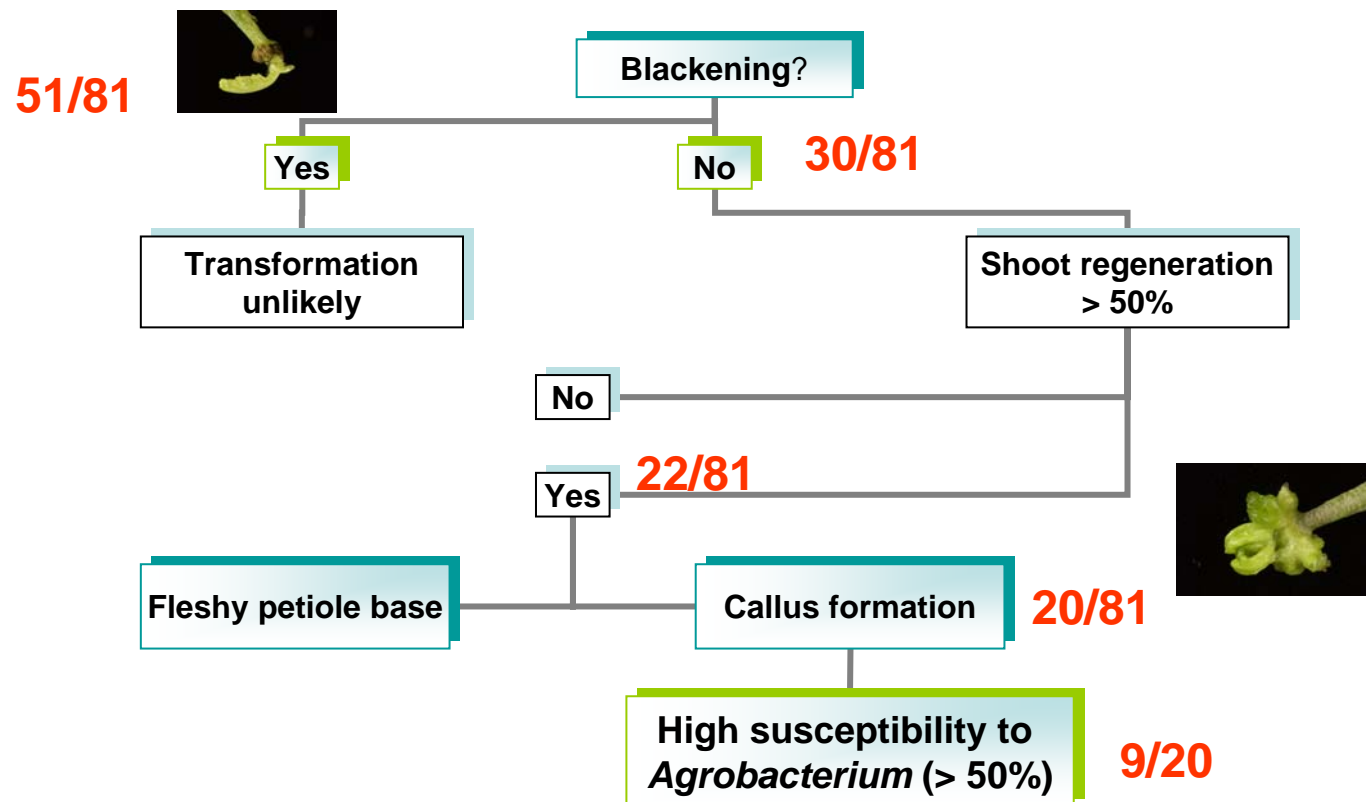
biotechnology resources for arable crop transformation

- up to date transformation protocols for the main UK crops
JIC: brassica/barley/pea RRes: wheat
www.bract.org
- training facilities
enabling users to gain hands on experience and transfer technologies to their own laboratories
- hotel facilities
- transformation service (cost recovery basis)
- opportunities to develop collaborative projects



Screening method: to identify easy to transform genotypes with transformation rates >10% [81 *B. napus* genotypes screened]

Mode of Shoot regeneration in the absence of *Agrobacterium*



Brassica overview

- *B. oleracea*: ‘model’ genotype DH1012 (PAC1)
 - from A12GD mapping population
 - protocol available on the web (with photo board)
 - training/collaborative projects developed to date within bract have use this model genotype
 - seed available JIC and Graham Teakle WHRI
- *B. napus*
 - currently have 2 DH genotypes (a winter and spring) in developmental stage (PAC2 and PAC3). With transformation efficiencies of 10-20% (> W10)
- *B. rapa* and *B. carinata* – currently screening



Brassica transformation

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