



Update:

Progress in *Brassica* Genome Sequencing

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BBSRC-funded project

Sequencing conducted in China, funded by BBSRC

Collaboration between JIC, WHRI, RRes, BGI, HAU

Working as part of *Brassica rapa* Genome Sequencing project

Aim to:

Sequence gene space of chromosomes A1 and A8

End-sequence *B. napus* JBnB BAC library

Annotate BAC sequences

Develop comparative displays to link through to genetic maps and QTL

BBSRC-funded project

3 year project, started July 2007

Progress at May 2009:

254 BACs sequenced - 253 submitted to EMBL

238 Phase 2 (29,269,292bp)

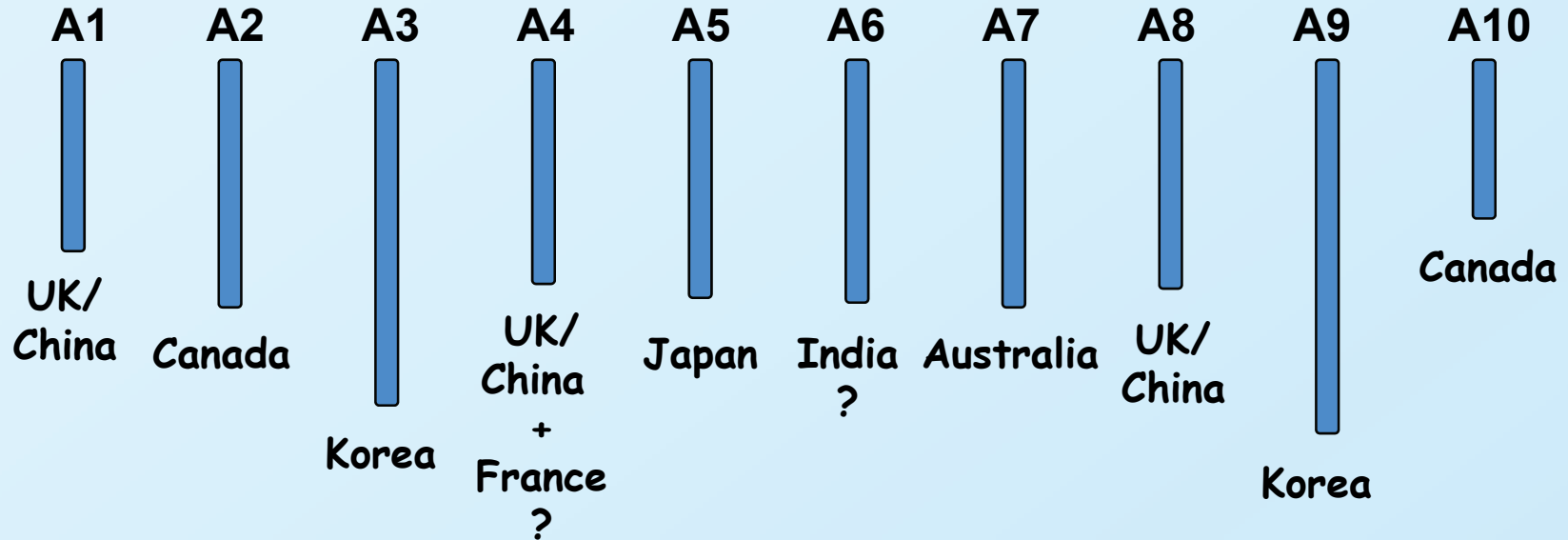
15 Phase 1

1 Deleted BAC

94 BACs in progress (last ones sent to BGI November 2008)

89,444 *B. napus* BAC end sequences submitted to EMBL

B. rapa Genome Sequencing Project



Data released into public domain (May 2009):

2005-	Korea:	681 BACs
2006-2008	Australia:	5 BAC
2007-	BBSRC:	246 BACs
Started 2008	Canada :	44 BACs
		<hr/>
		976 BACs

BBSRC-funded project

BAC registry (<http://www.brassica.info/resource/sequencing/status.php#>)

Established at RRes December 2007

Updated monthly

Confirmation of genetic anchoring (linkage mapping by WHRI;
FISH mapping by Chris Pires laboratory)

24 seed BACs confirmed on A1 or A8

8 seed BACs actually map elsewhere

BAC annotation (<http://brassica.bbsrc.ac.uk>)

Martin Trick will present details

Comparative displays

Jun Wang will present details

Acknowledgements

Bioinformatics, initial annotation

Nizar Drou, Martin Trick

Clone selection, validation, sequence QA

Fiona Fraser, Eleni Soumpourou, Ian Bancroft

Genetic mapping

Guy Barker, Graham Teakle

BAC registry

Jun Wang, Graham King

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