

Date	Topic		Tasks	
Springbreak				
March	Tu	16	EVA FARRE Complementation of the gi5-1 mutation	Course overview GA overview/ Discussion Pipette use DNA extraction, part I
	Th	18		DNA extraction, part II TAIR-database PCR lecture
	Tu	23		Primer design PCR Collect transformed seeds, sterilize and plate
	Th	25		Restriction digestion of DNA DNA electrophoresis DNA Ligation
	Tu	30		Transform E. coli Jay: genes in other species Bioinformatics I: expression analysis
April	Th	1	Plasmid Minipreps Send for Sequencing Transfer transformed seedlings to soil	
	Tu	6		Sequence analysis Bioinformatics II: Blast, sequence comparison
	Th	8	GA regulation of starch degradation	Amylase I Overview Cut and imbibe barley seeds
	Tu	13		Amylase II Protein/enzyme lecture GA dilutions Start seed induction
	Th	15		Amylase III Assay protein Prepare for amylase enzyme assay
	Tu	20		Amylase IV PAGE and western lecture Assay alpha-amylase
	Th	22		Amylase V PAGE and western Discuss amylase activity results
	Tu	27		Amylase VI Develop western blot Analyze and discuss amylase western data
	Th	29		Analyze transformed plants Discussion of results
	May	7		FINAL