

Task	Start Date (inclusive)	Finish Date (exclusive)	No. Days	Week No.																																																			
	10-May-21	10-May-22	365d	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Chap3: Complete any additional bioinformatics analyses, write them up	01-Jun-21	30-Aug-21	90d																																																				
Chap4: Repeat protoplast co-expression assay	01-Jun-21	01-Jul-21	30d																																																				
Chap5: Repeat synthetic promoter-TF coexpression assays in protoplasts	01-Jun-21	16-Jul-21	45d																																																				
Chap5: Transform 3 synthetic promoters into Agrobacteria & Col-0 plants	16-Jul-21	23-Jul-21	07d																																																				
Chap5: Establish protocol for LucN response to nitrate	16-Jul-21	30-Aug-21	45d																																																				
Chap5: Collect T1 seeds, germinate, test response to nitrate, genotype. Progress some lines to produce T2 seeds	21-Sep-21	28-Dec-21	98d																																																				
Chap5: Collect and germinate T2 seeds and test response to nitrate	28-Dec-21	06-Feb-22	40d																																																				
Chap5: Data analysis	06-Feb-22	20-Feb-22	14d																																																				
Chap6: Assemble synthetic activator & repressor plasmids	10-May-21	24-Jun-21	45d																																																				
Chap6: Test activity of synthetic activator & repressor (qPCR)	24-Jun-21	24-Jul-21	30d																																																				
Chap6: Assemble feedback loops with promoters from chapter 5	24-Jul-21	07-Sep-21	45d																																																				
Chap6: Plant transformation of feedback loops	07-Sep-21	14-Sep-21	07d																																																				
Chap6: Collect T1 seeds, germinate	21-Dec-21	29-Mar-22	98d																																																				
Chap6: Test response to nitrate, genotype, qPCR analysis. Progress some lines to produce T2 seeds	29-Mar-22	05-Jul-22	98d																																																				
Chap6: Collect and germinate T2 seeds and test response to nitrate	05-Jul-22	14-Aug-22	40d																																																				
Chap6: Create plots	14-Aug-22	28-Aug-22	14d																																																				
Chap7: Collect T2 seeds	10-May-21	30-May-21	20d																																																				
Chap7: Germinate and grow T2 seeds	30-May-21	05-Sep-21	98d																																																				
Chap7: Genotype T2 plants with CRISPR seq	29-Jun-21	05-Sep-21	68d																																																				
Chap7: Collect T3 seed from edited lines.	05-Sep-21	05-Oct-21	30d																																																				
Chap7: Grow T3 plants. Phenotype T3 plants on nitrate - photos	05-Oct-21	14-Nov-21	40d																																																				
Chap7: qPCR and transcriptome of T3 plants	05-Oct-21	24-Dec-21	80d																																																				
Chap7: Analyse phenotype photos, create plots	14-Nov-21	24-Dec-21	40d																																																				
Write 4th year report	01-Dec-21	31-Dec-21	30d																																																				