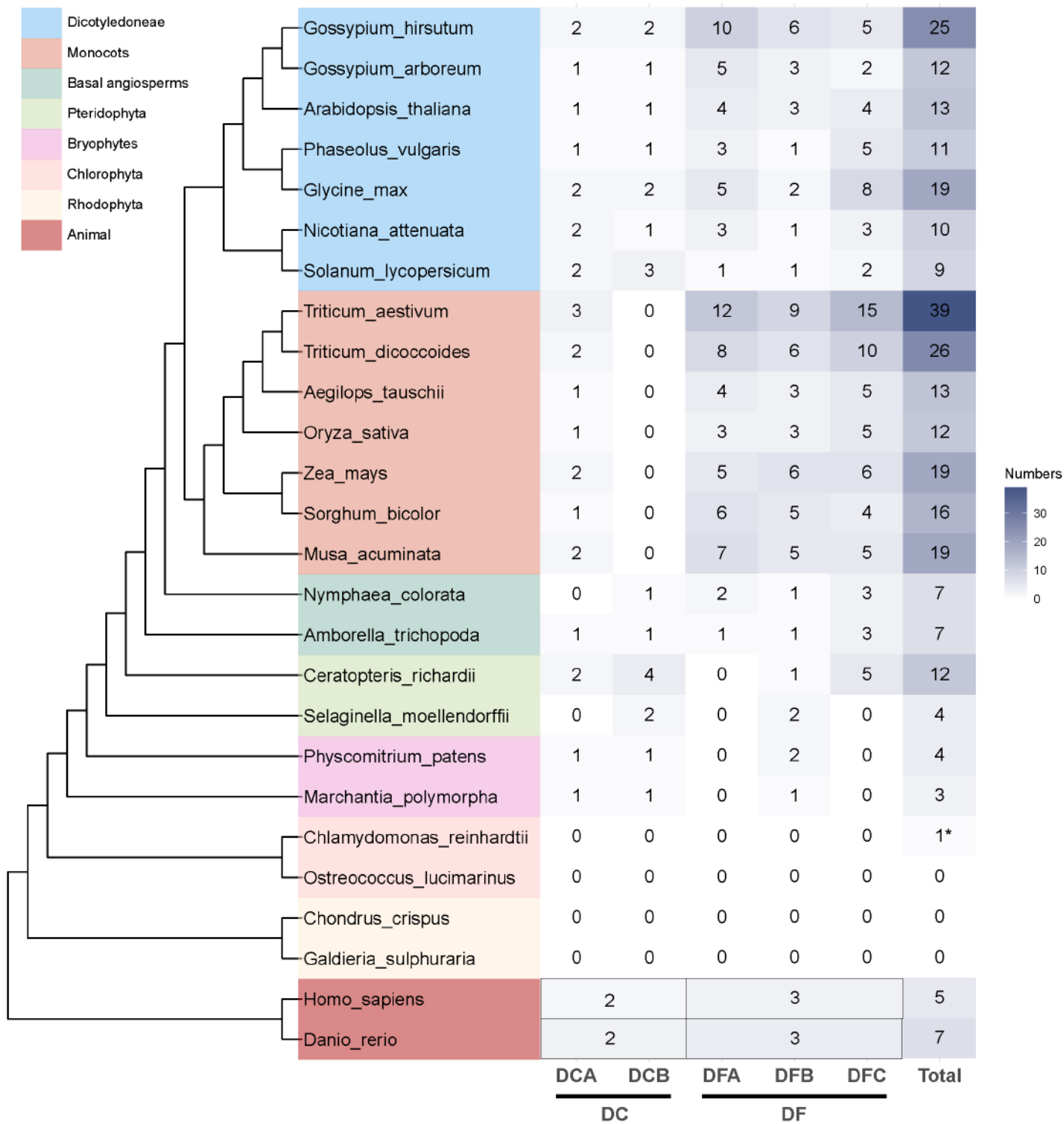


A



B

Classification of species

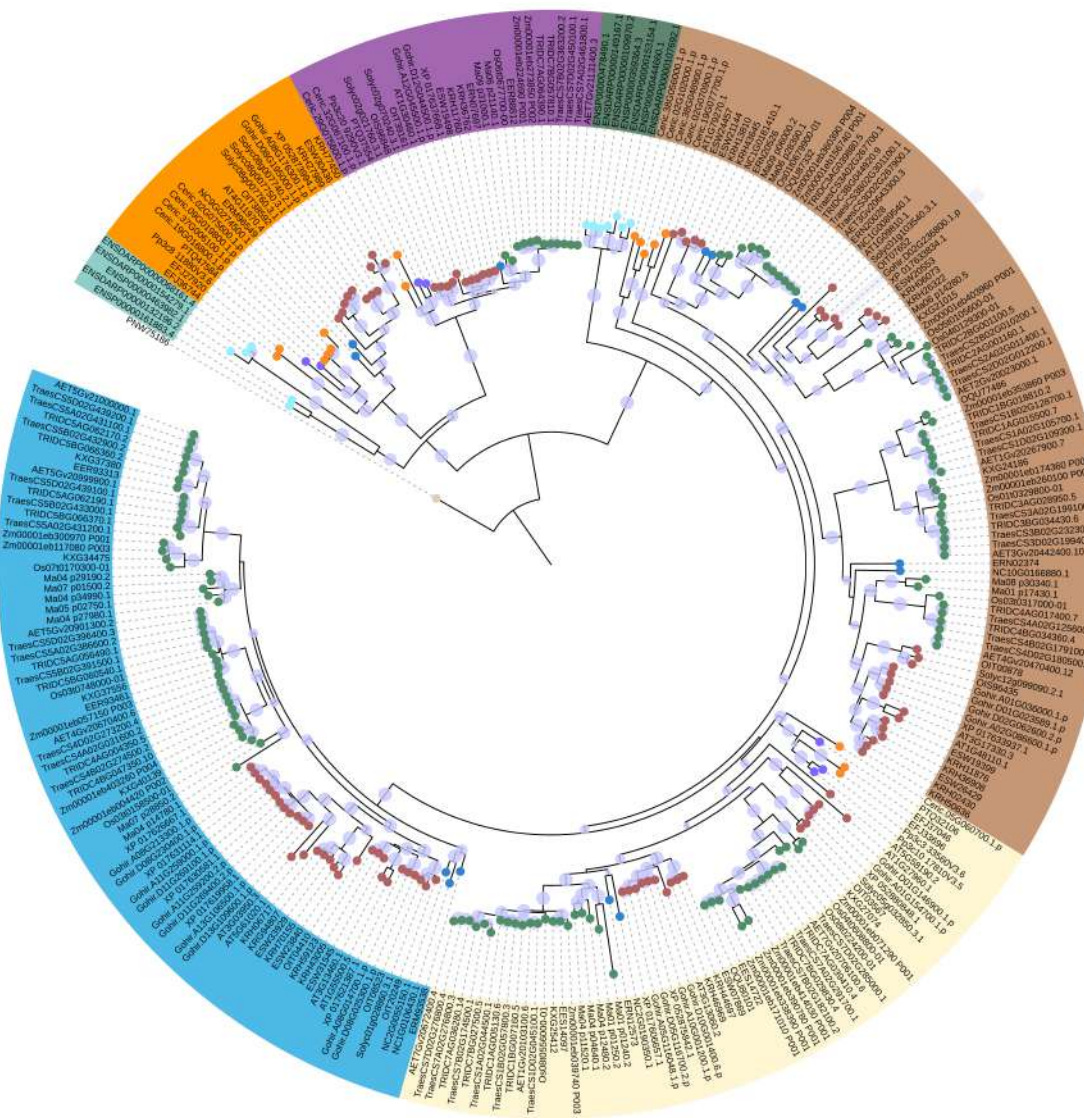
- Dicotyledoneae
- Monocots
- Basal angiosperms
- Pteridophyta
- Pteridophyta
- Chlorophyta
- Animal

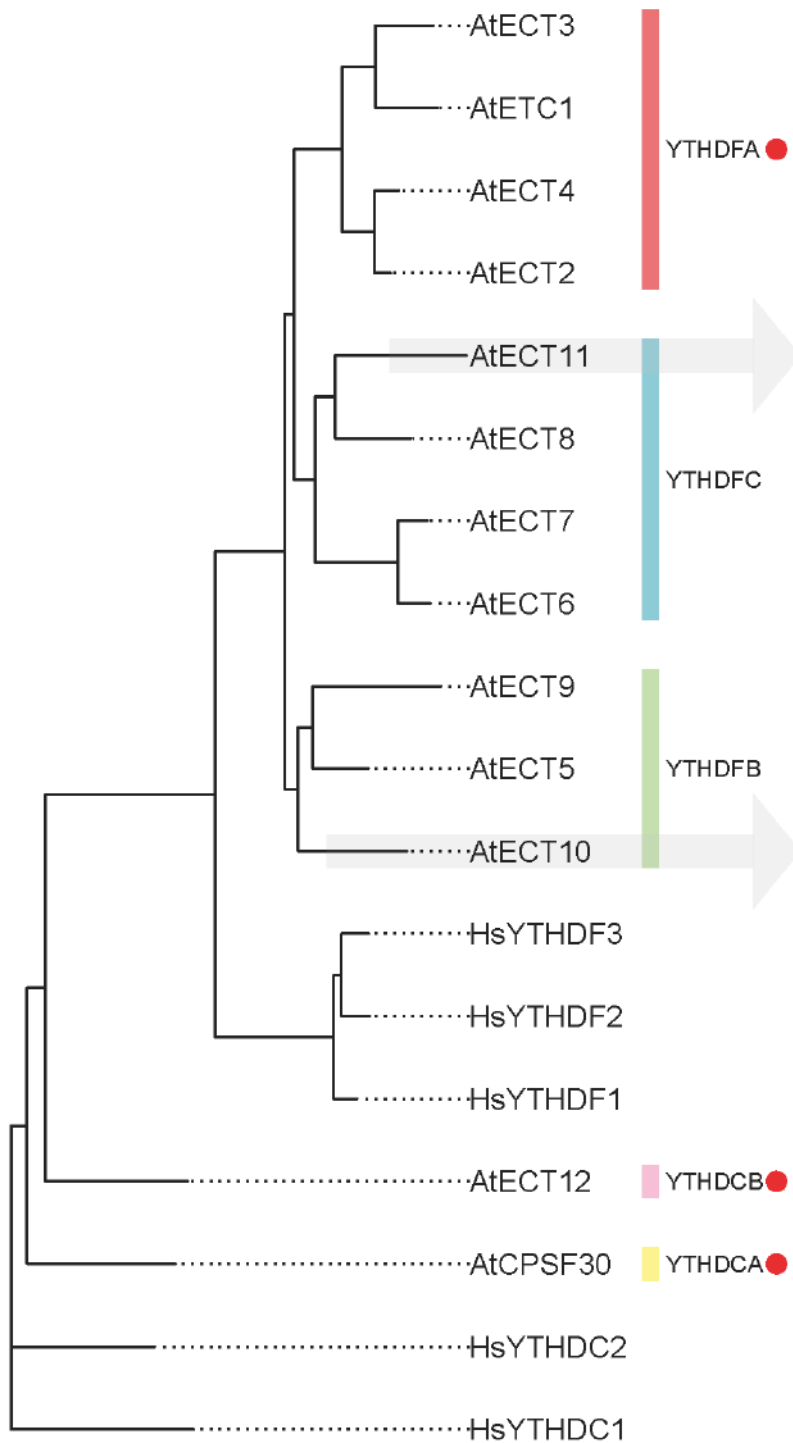
Subfamily

- AnimalDC
- DCA
- DCB
- AnimalDF
- DFA
- DFB
- DFC

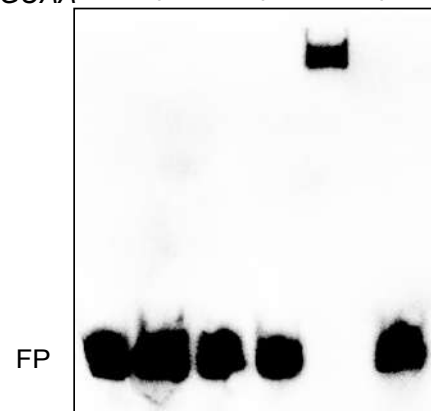
bootstrap

- 60
- 70
- 80
- 90
- 100

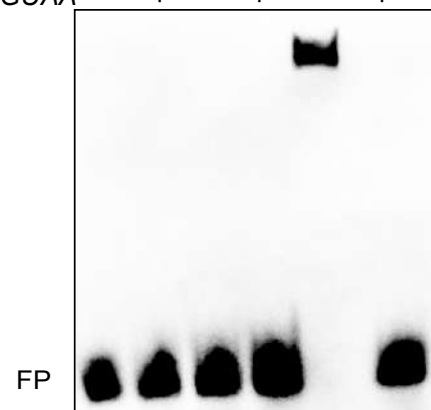




ECT11	-	-	-	-	+	+
GST	-	-	+	+	-	-
<i>UGUm</i> ⁶ AA	+	-	+	-	+	-
<i>UGUAA</i>	-	+	-	+	-	+



ECT10	-	-	-	-	+	+
GST	-	-	+	+	-	-
<i>UGUm</i> ⁶ AA	+	-	+	-	+	-
<i>UGUAA</i>	-	+	-	+	-	+



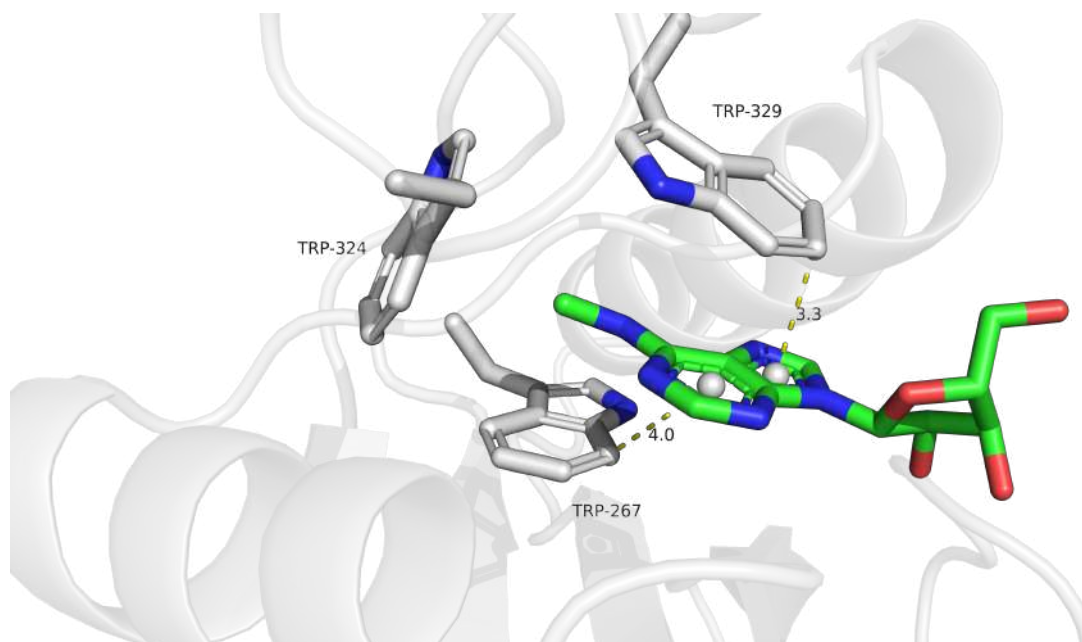
A

<i>AtETC1</i>		TT	β1	α4	β2	α5	
<i>AtETC1</i>	236	ENFPES	FVKAKFFVVKSYSED	DVHNCIKY	GAWS	STPTGNKKLNAAYYEA	KEN...SQE
<i>AtECT2</i>	433	EDFPVD	YANAMFFIIKSYSED	DVHKSIIKY	NVWA	STPTNGNKKLAAAYQE	QQK...AGG
<i>AtECT3</i>	252	IDFPET	YTEAKFFVVKSYSED	DIHKSIIKY	SVWS	STPTNGNKKLDASYN	EAKQK...SDG
<i>AtECT4</i>	405	DDFPVE	YKDAKFFIIKSYSED	DVHKSIIKY	NVWA	STPTNGNKKLDAAYQE	QQK...SSG
<i>AtECT5</i>	389	ADFVTD	YTNAKLFIKSYSED	NVHKSIIKY	NVWA	STPTNGNKKLDAAYRE	EAKDE...KEP
<i>AtECT6</i>	261	EDFSIE	YSDARFFVVKSYSED	DVHKSIIKY	GVWS	STPLNGNKKLQSVE	DAQRIATEKSRE
<i>AtECT7</i>	312	EDLRID	YSNAKFFVVKSYSED	DVHKSIIKY	NVWS	STLHGNKKLQSAYE	DAQRIATEKSCE
<i>AtECT8</i>	312	PSFQTK	YEEAIFFFVVKSYSED	DIHKSIIKY	NVWS	STLNGNKKLDSAYQE	ESQKKAADKSGK
<i>AtECT9</i>	321	QELLSQ	FRDAKFFVVKSYSED	NVHKSIIKH	CVWA	STKNGNKKLDAAYRE	EAKKK...DVA
<i>AtECT10</i>	316	PEFVTD	YKNAKFFIVKSFSED	NVHRSIIKY	NVWA	STPHGNKKLDTAYR	DAEKM...GGK
<i>AtECT11</i>	222	PDFQTD	YEDAKFFVVKSYSED	DVHKSIIKY	SVWS	STINGNKKLDAAFR	DAETKTLEDGKK
<i>AtECT12</i>	63	NKNSKP	GYRTRYFIIKSLNYDN	NIQVSVEKG	GIWA	TQVMNEPIL	EGAFHKSGR.....
<i>AtCPSF30</i>	228	TSHPLP	QGVNRYFVVKSNRE	NFELSVQQG	VWA	TQRSNEAKLNEAF	DSVEN.....

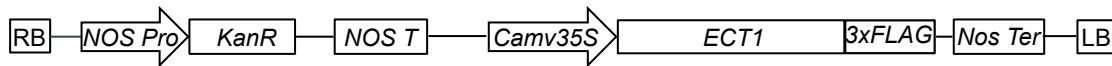
<i>AtETC1</i>		β3	TT	β4	TT	TT	TT	β5			
<i>AtETC1</i>	291	CPVYLLF	FSVNAS	GQFVGLAEMV	GPVD	FNKTMEYWQQ	DKWIGCF	FPVKWHI	KDIP		
<i>AtECT2</i>	488	CPIFLF	FSVNAS	GQFVGLAEMT	GPVD	FNTNVEYWQQ	DKWTGS	FPLKWHI	KDVP		
<i>AtECT3</i>	307	CPVFLF	FSVNTS	GQFVGLAEMV	GPVD	FNKTVEYWQQ	DKWIGCF	FPVKWHF	VKDIP		
<i>AtECT4</i>	460	CPVFLF	FSVNAS	GQFVGLAEMK	GPVD	FNKNIEYWQQ	DKWTGS	FPLKWHI	KDVP		
<i>AtECT5</i>	444	CPLFLF	FSVNAS	SQFCGVAEMV	GPVD	FEKSDVYWQQ	DKWSGQ	FPVKWHI	KDVP		
<i>AtECT6</i>	320	CPIFLF	FSVNSS	GLFCGVAEMT	GPVS	FDRDMDFWQQ	DKWSGS	FPVKWHI	KDVP		
<i>AtECT7</i>	371	CPIFLF	FSVNAS	GLFCGMAEMT	GPVS	FDKDMDFWQQ	DKWSGS	FPVKWHI	KDVP		
<i>AtECT8</i>	371	CPVFLF	FSVNAS	GQFCGVAEMI	GRVD	YEKSMFVWQQ	DKWTGY	FPVKWHI	KDVP		
<i>AtECT9</i>	376	CPVFLF	FSVNAS	SQFCGVAEMV	GPVD	FNTSVEYWQQ	DRWSGH	FPVQWL	IWKDVP		
<i>AtECT10</i>	371	CPIFLF	FSVNAS	GQFCGVSEMV	GPVD	FEKDAAGYWQQ	DRWSGQ	FPVKWHI	VKDIP		
<i>AtECT11</i>	281	RPIFLF	FSVNAS	RQFVGLAEMV	GYVD	FNKDLDFWQV	DKWSGF	FPVEWHV	VKDIP		
<i>AtECT12</i>	114	..VILI	FSVNMS	GFQQGYAEM	LS	PVGRWRD.QIWSQ	GGGKN	NPWGRS	FKVKWLR	LSEL	
<i>AtCPSF30</i>	279	..VILI	FSVNRT	RHFQGC	AKMT	TSRIGGYI	GGGNWK	HEHG.TAQYGRN	F	SVKWLKLC	EL

<i>AtETC1</i>		α6	β6	η5	β7	η6	TT	β8	α7	η7							
<i>AtETC1</i>	345	NSLLRHIT	LANNENK	PVTN	SRDTQEV	NLEH	GTKI	IKIF	KEYMSK	T	CIL	DD					
<i>AtECT2</i>	542	NSLLKHIT	LENNENK	PVTN	SRDTQEV	KLEQ	GLK	IVKIF	KEHSSK	T	CIL	DD					
<i>AtECT3</i>	361	NSSLRHIT	LENNENK	PVTN	SRDTQEV	KLEQ	G	IKV	KIF	...	TDHASK	DD					
<i>AtECT4</i>	514	NSLLKHIT	LEYENENK	PVTN	SRDTQEV	KLEQ	GLK	VVKIF	KEHNSK	T	CIL	DD					
<i>AtECT5</i>	498	NSQFRHII	LENNENK	PVTN	SRDTQEV	KLEQ	G	IE	ML	KIF	...	KNYDAD	DD				
<i>AtECT6</i>	374	NSYFRHII	LHNNENK	PVTN	SRDTQEI	ILKQ	G	LE	VL	KLF	...	KHHAET	DD				
<i>AtECT7</i>	425	NSYFRHII	LQNNENK	PVTN	SRDTQEI	IMLKQ	G	LE	VL	KIF	...	KDHMER	DD				
<i>AtECT8</i>	425	NPQLRHII	LENNENK	PVTN	SRDTQEV	RLPQ	G	NE	VL	NIF	...	KNYAAT	DD				
<i>AtECT9</i>	430	NSLFRHII	IESNDNK	PVTN	SRDTQEV	G	LE	K	G	IE	ML	DIF	...	ISCEMR	DD		
<i>AtECT10</i>	425	NNRFCHILL	QNNENK	PVTN	SRDSQEV	KLRQ	G	IE	ML	RIF	...	KEYEAT	DD				
<i>AtECT11</i>	335	NWELRHII	LQNNENK	PVTN	TRDTQEI	K	KE	G	LQ	ML	SIF	...	KKYSAV	DD			
<i>AtECT12</i>	170	FQKTLHL	KNPLNDYK	PVKI	SRDCQEL	PED	I	G	EAL	CELL	...	DANSCD	DD				
<i>AtCPSF30</i>	335	FHKT	RNL	RNPYNENL	PVKI	SRDCQEL	EP	SV	G	EQ	LA	SL	LYLEP	D	SELMAIS	IA	AE

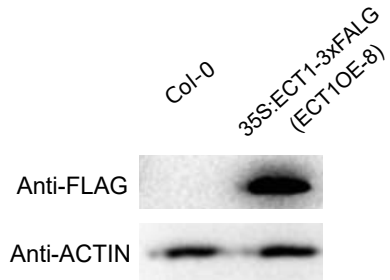
B



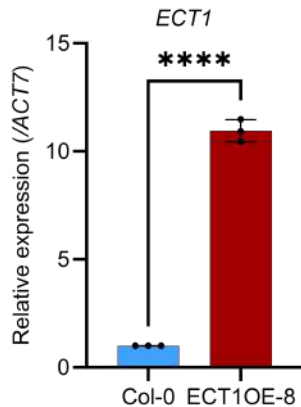
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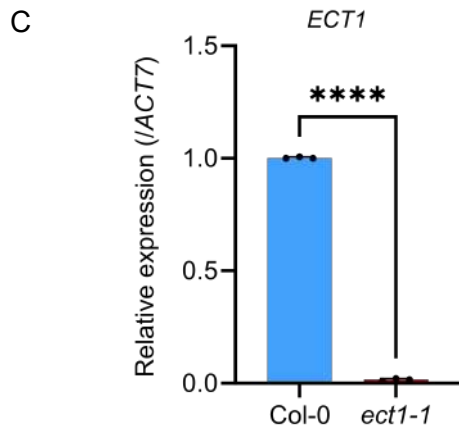
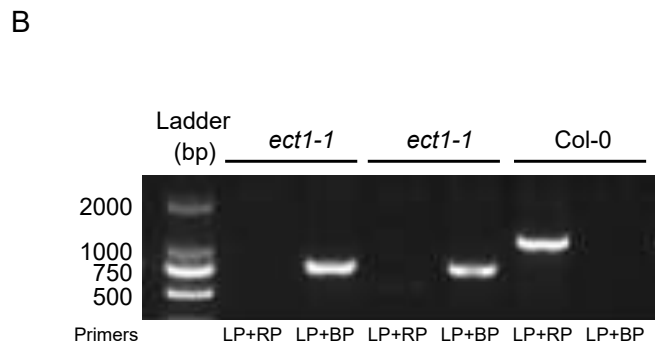
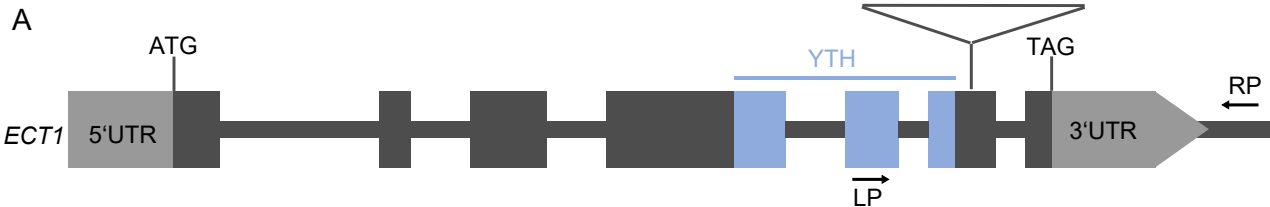


B

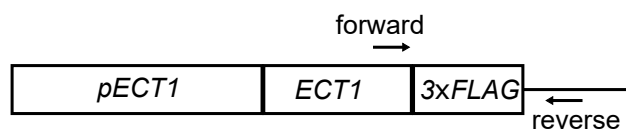


C

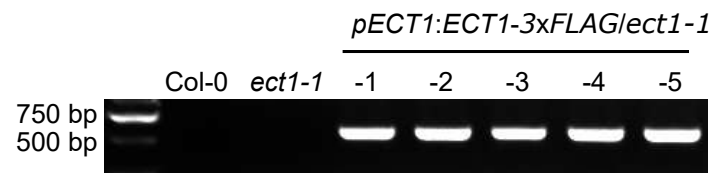




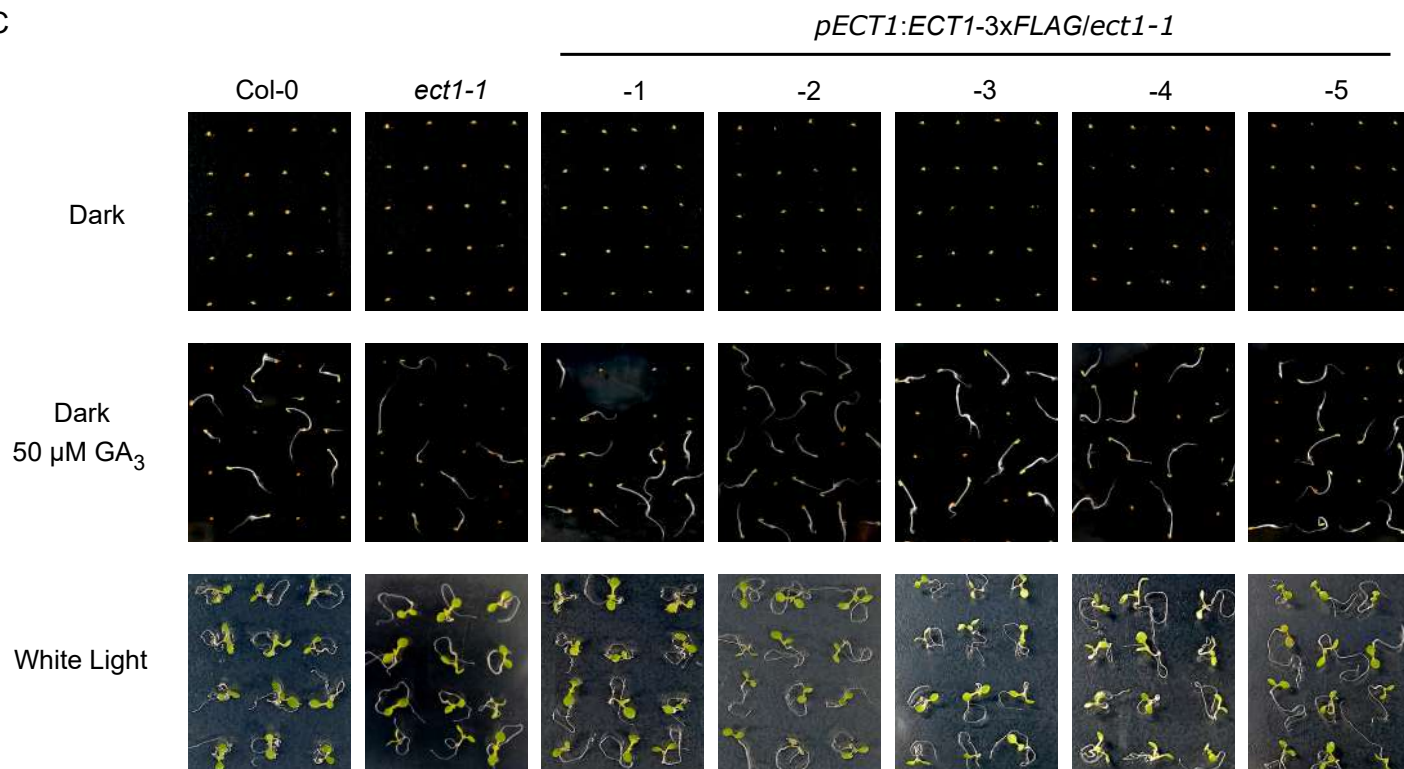
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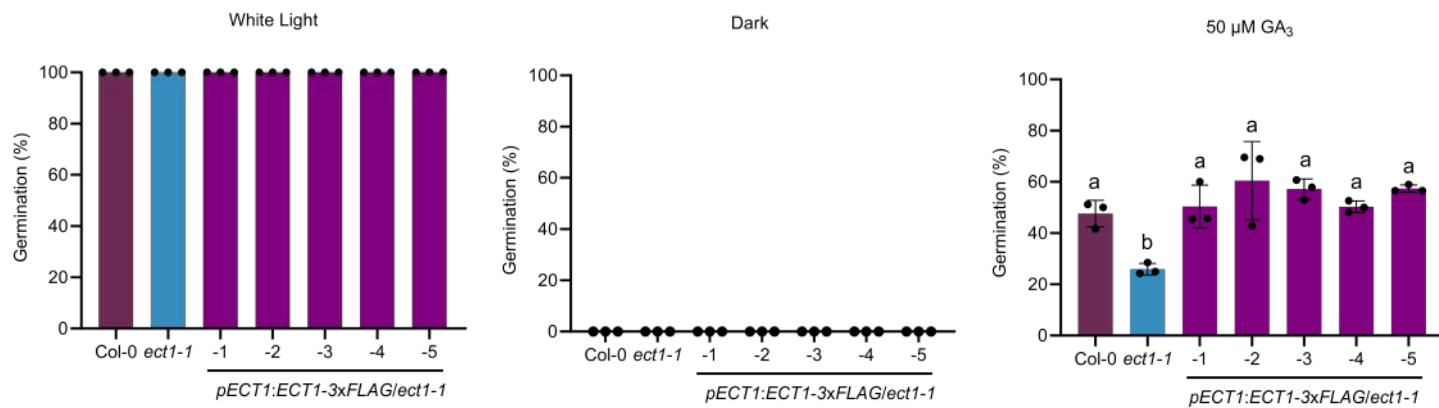
B



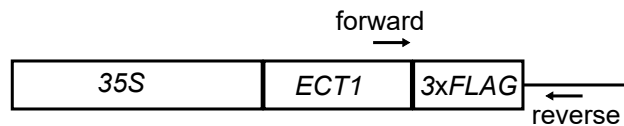
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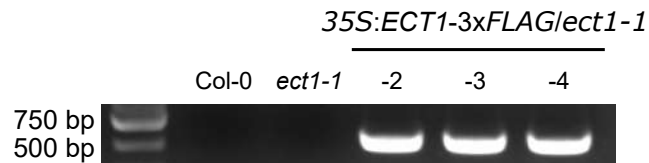
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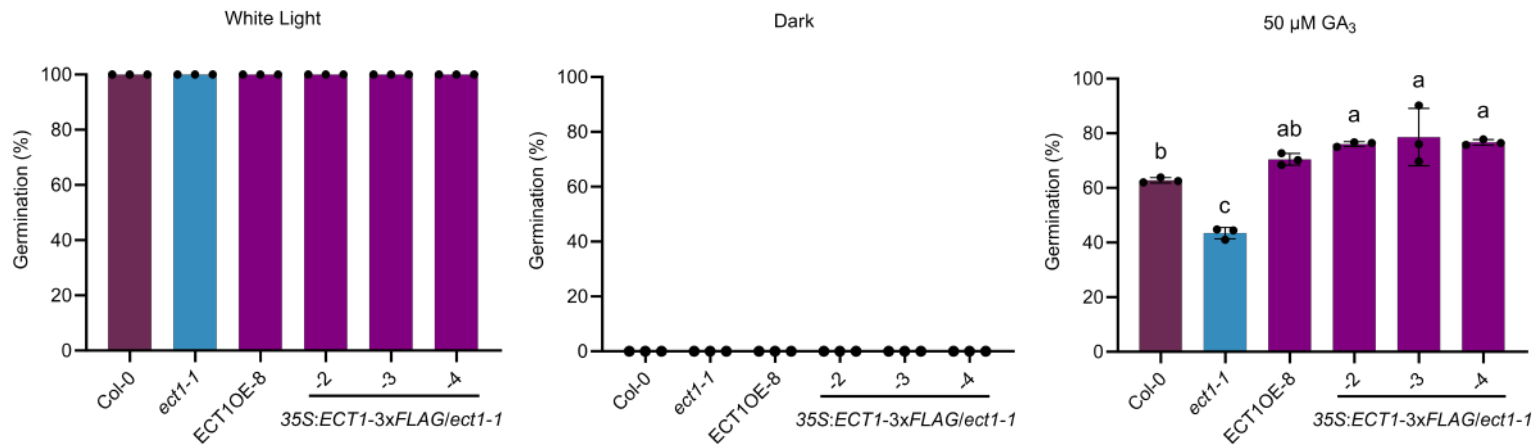
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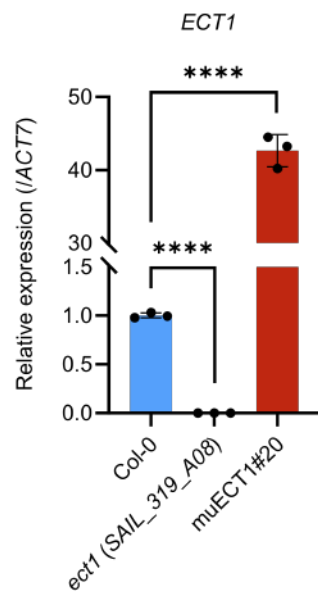
B



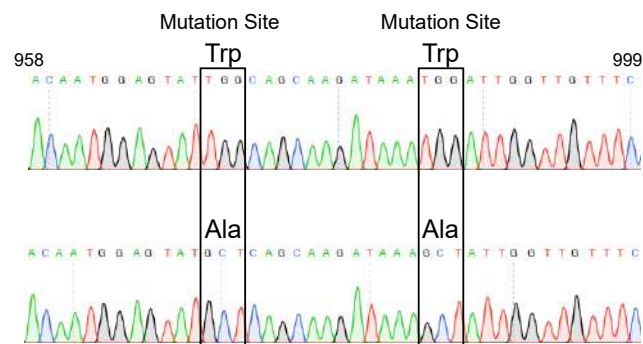
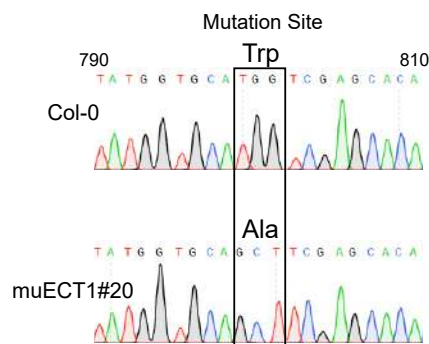
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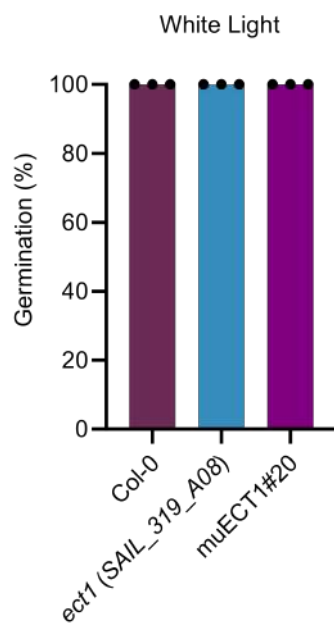
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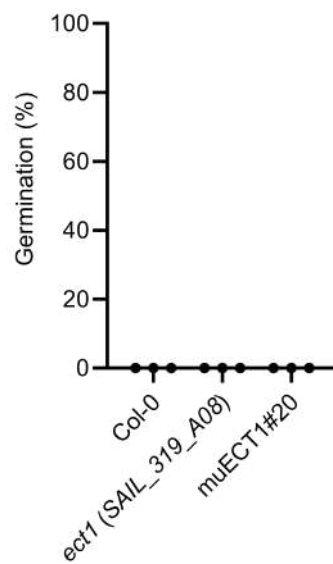
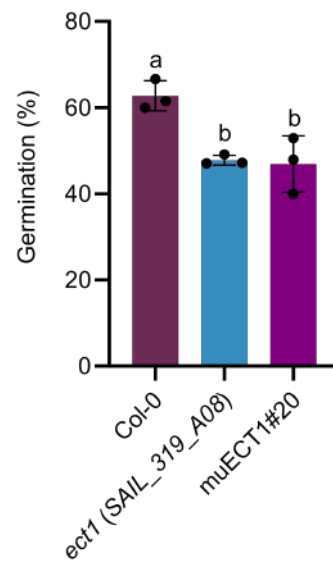
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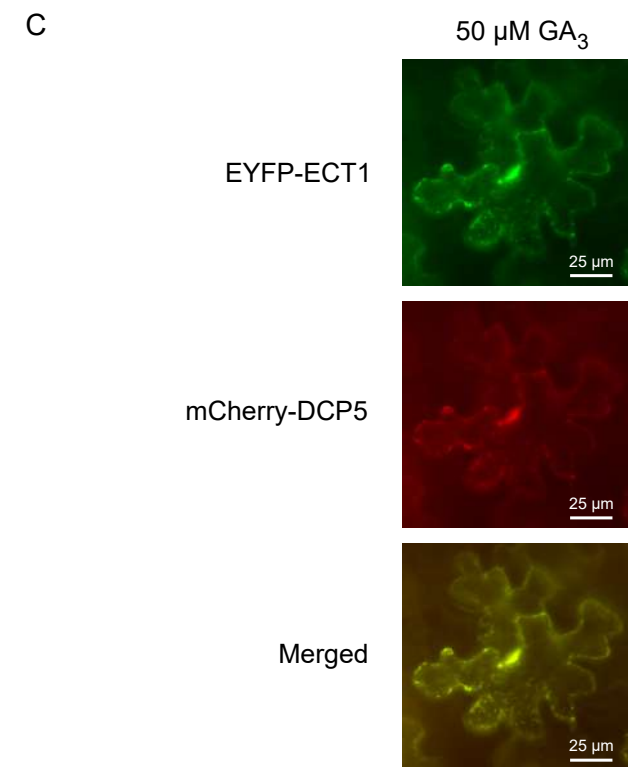
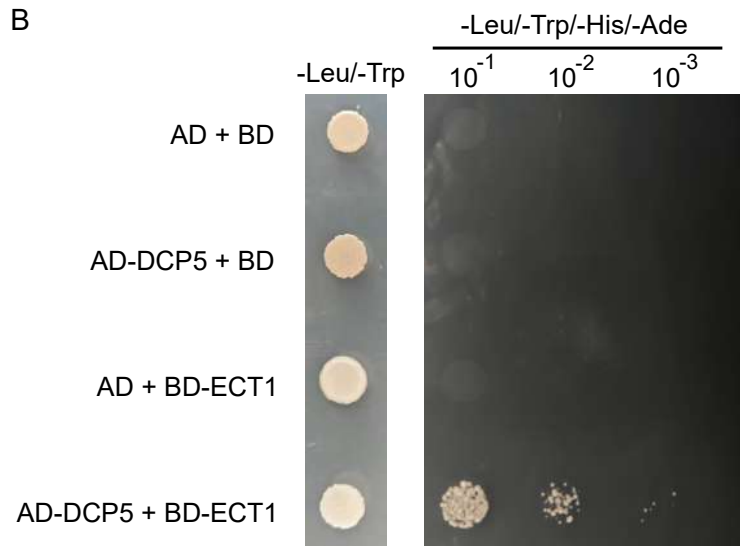
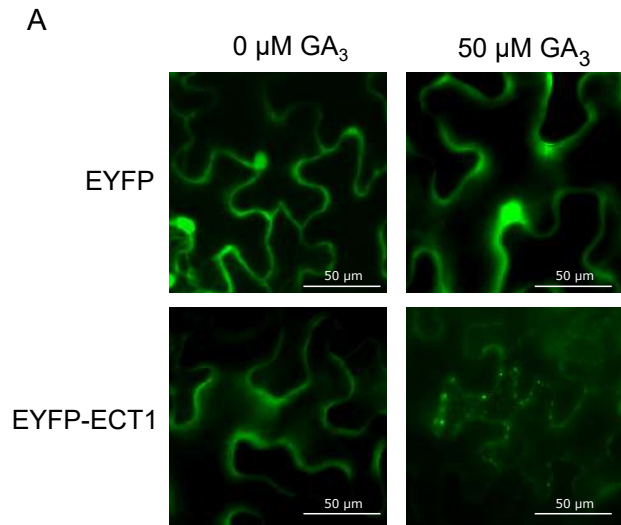


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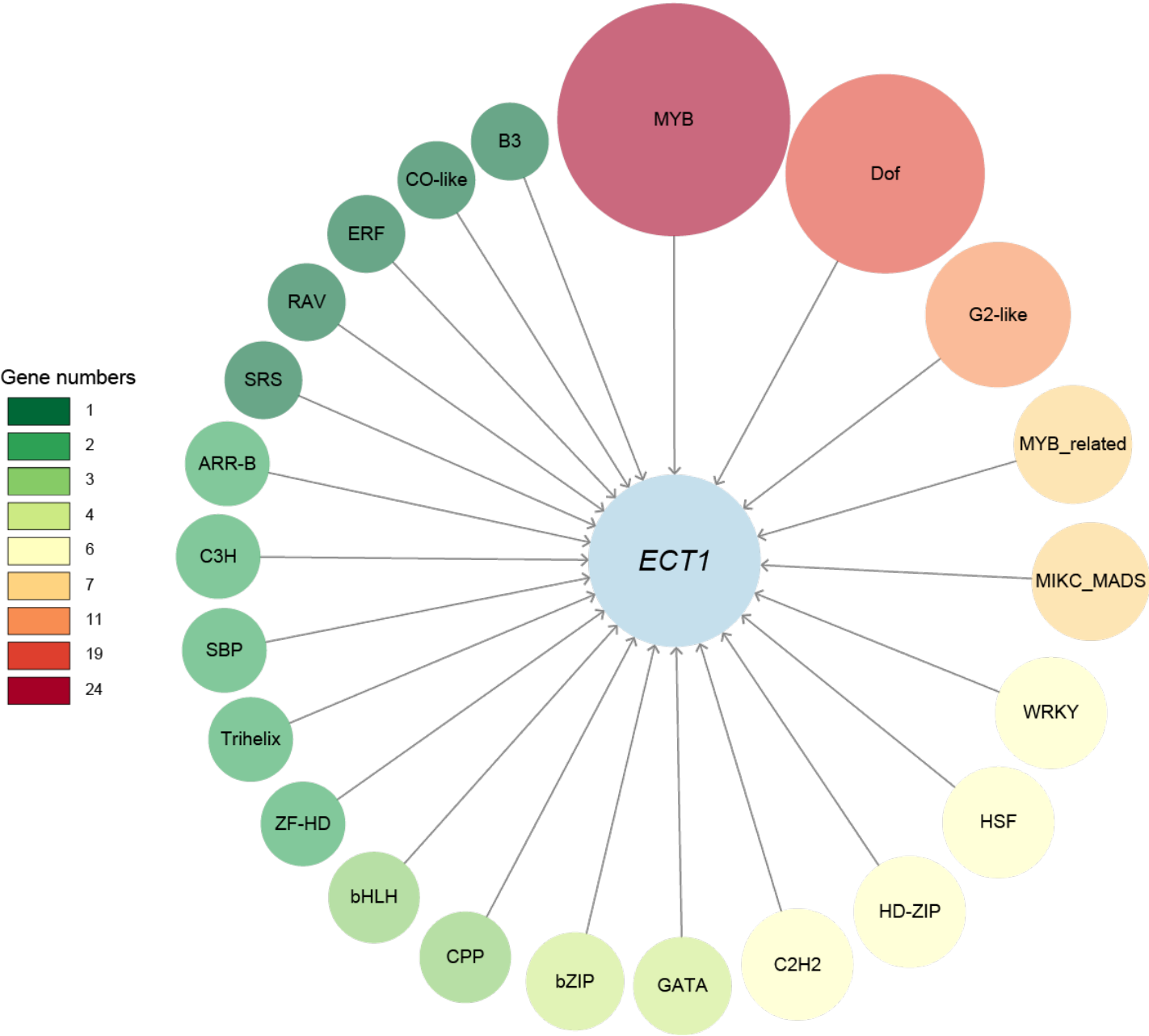


Dark

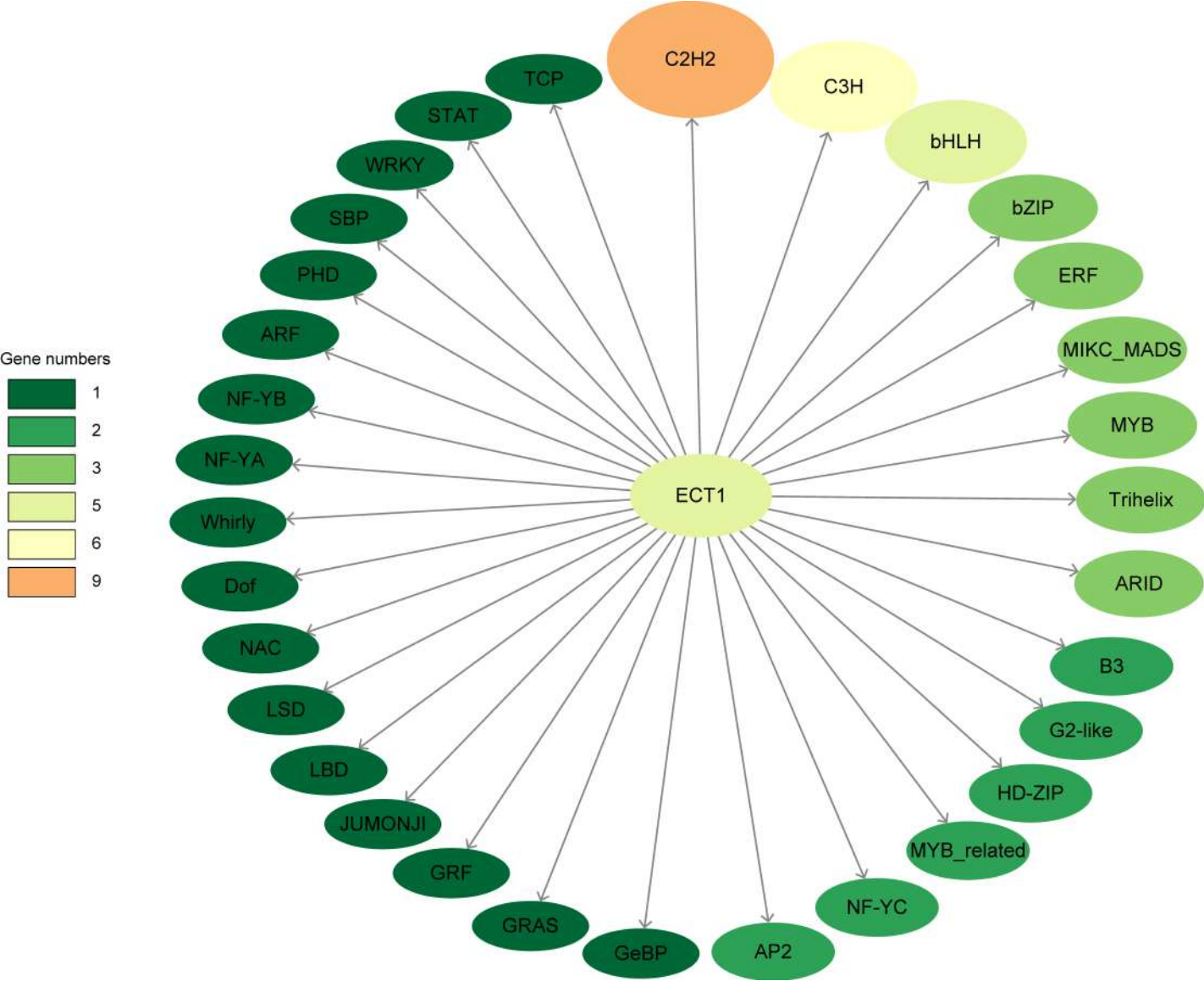
50 μ M GA₃



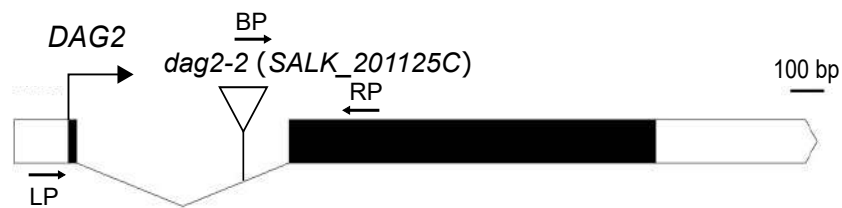
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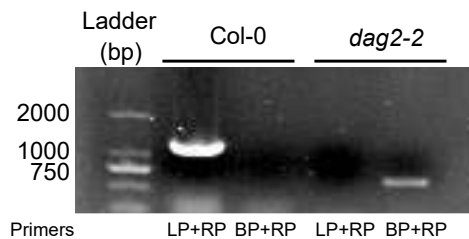
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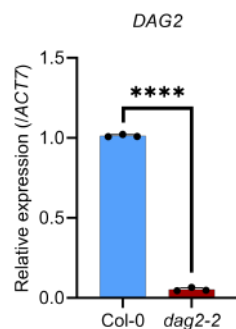
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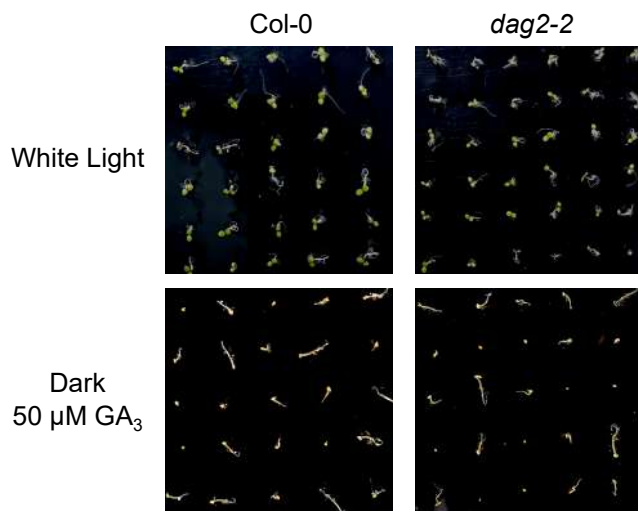
B



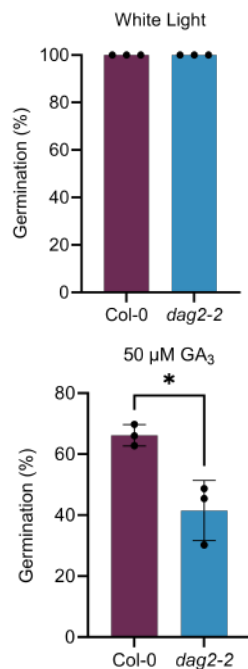
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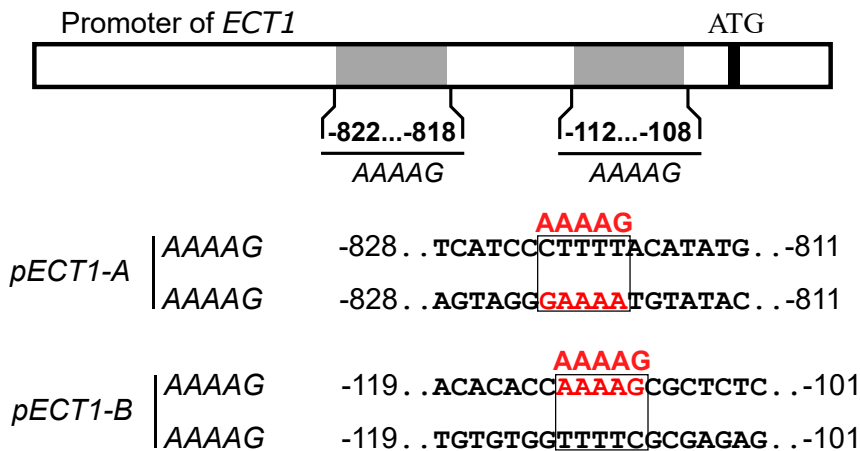
D



E



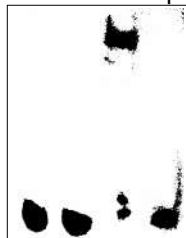
A



B

GST-DAG2	-	-	+	+
GST	-	+	-	-
<i>pECT1-A</i>	+	+	+	+
Cold	-	-	-	+

FP

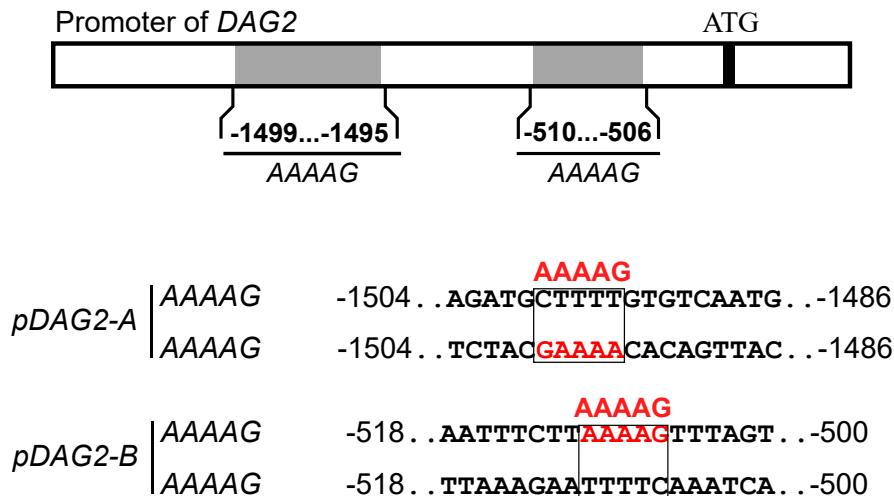


GST-DAG2	-	-	+	+
GST	-	+	-	-
<i>pECT1-B</i>	+	+	+	+
Cold	-	-	-	+

FP

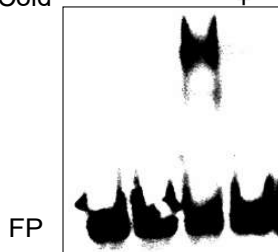


A

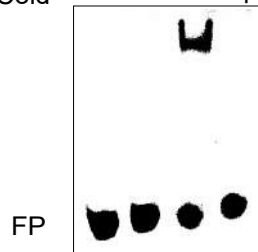


B

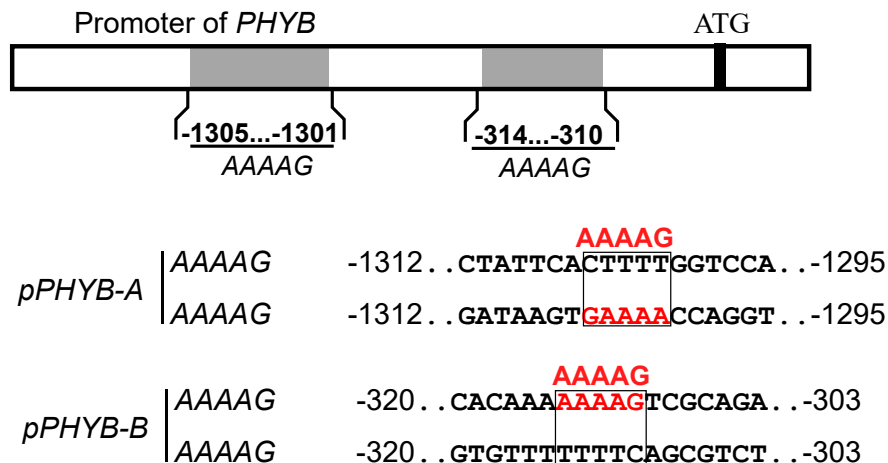
GST-DAG2	-	-	+	+
GST	-	+	-	-
<i>pDAG2-A</i>	+	+	+	+
Cold	-	-	-	+



GST-DAG2	-	-	+	+
GST	-	+	-	-
<i>pDAG2-B</i>	+	+	+	+
Cold	-	-	-	+

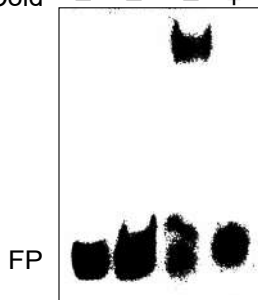


A

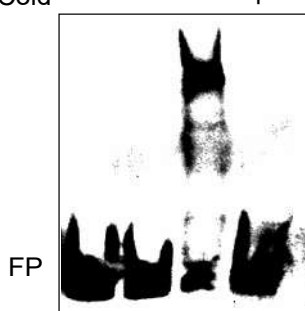


B

GST-DAG2	-	-	+	+
GST	-	+	-	-
<i>pPHYB-A</i>	+	+	+	+
Cold	-	-	-	+

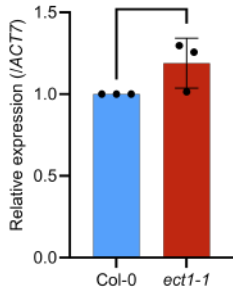


GST-DAG2	-	-	+	+
GST	-	+	-	-
<i>pPHYB-B</i>	+	+	+	+
Cold	-	-	-	+

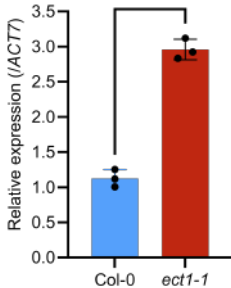


PP2A

ns



ABF3



ABI4

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