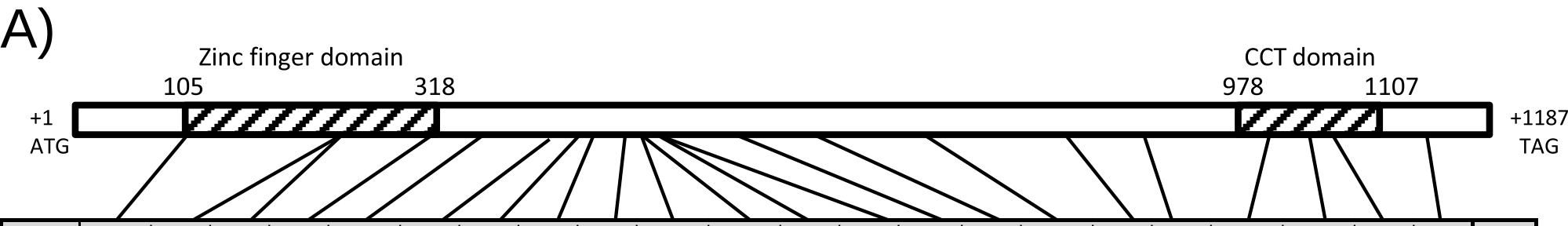
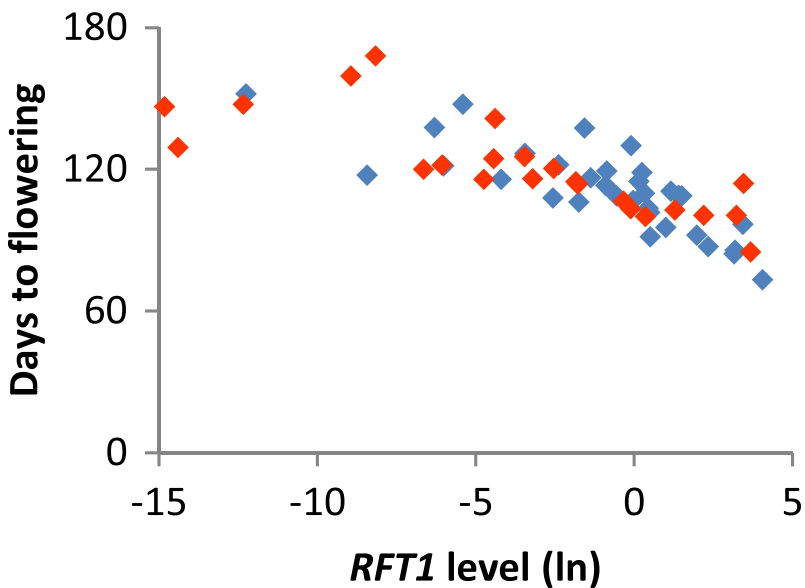
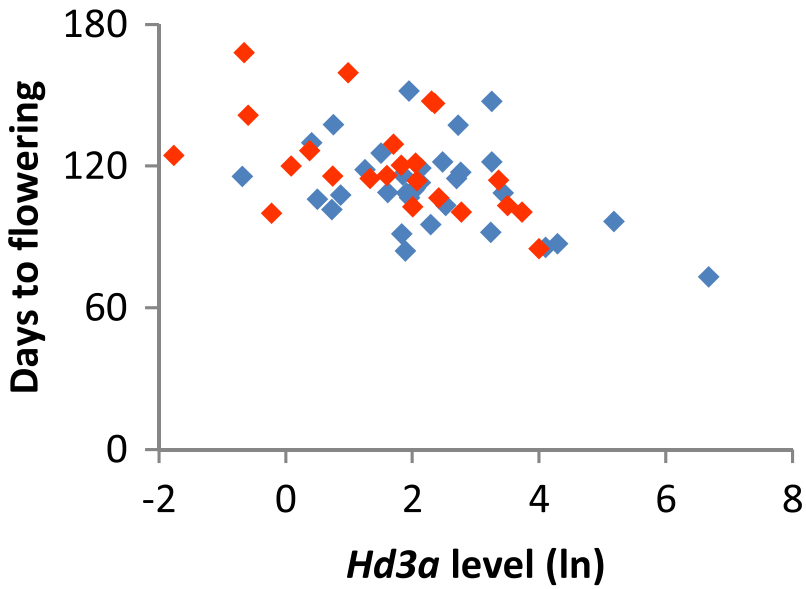
A)



position	112	242	248	315	334	404	430	433	451	473	477	492	498	570	614	706	834	897	1012	1051	1072	1159	nº cvs
A.A. Sub	-	C81Y	R83Q	H106Y	-	D135G	L144I	L145I	D151N	-	-	-	-	F.S.	R205Q	F.S.	F.S.	R299S	-	F.S.	-	G387S	
1	-	G	GC	C	-	A	C	C	G	-	-	T	C	-	G	-	3T	A	3(AAG)	AAAG	C	G	3
2	-	G	GC	T	36ins	A	C	C	G	-	-	T	C	-	G	-	3T	A	3(AAG)	- - - -	C	G	1
3	-	G	GC	T	36ins	A	C	C	G	-	-	T	C	-	G	43del	3T	A	3(AAG)	AAAG	C	G	4
4	-	G	GC	T	36ins	A	C	C	G	-	-	T	C	-	G	-	3T	A	3(AAG)	AAAG	C	G	19
5	-	G	GC	C	36ins	A	C	C	G	-	-	T	C	1del	A	-	3T	A	3(AAG)	AAAG	C	G	1
6	-	G	GA	T	36ins	A	C	C	G	-	-	T	C	-	G	-	3T	C	2(AAG)	AAAG	C	A	1
7	-	G	GC	C	-	A	C	C	G	-	-	T	C	-	G	-	1T	C	3(AAG)	AAAG	C	A	1
8	-	G	AA	C	36ins	G	A	A	A	-	33del	-	-	-	A	-	1T	C	3(AAG)	AAAG	C	A	2
9	-	G	AA	C	36ins	G	A	A	A	-	123ins	C	T	-	A	-	1T	C	3(AAG)	AAAG	C	A	12
10	-	G	AA	C	36ins	G	A	A	A	-	123ins	C	T	-	A	-	3T	C	3(AAG)	AAAG	T	A	2
11	-	G	AA	C	36ins	G	A	A	A	-	123ins	C	T	-	A	-	3T	C	2(AAG)	AAAG	C	A	6
12	27del	G	AA	C	36ins	G	A	A	A	-	123ins	C	T	-	A	-	3T	C	2(AAG)	AAAG	C	A	1
13	-	A	AA	C	36ins	G	A	A	A	3del	117ins	C	T	-	A	-	3T	C	2(AAG)	AAAG	C	A	2
14	-	A	AA	C	36ins	G	A	A	A	3del	117ins	C	T	-	A	-	3T	C	3(AAG)	AAAG	C	A	2

B)