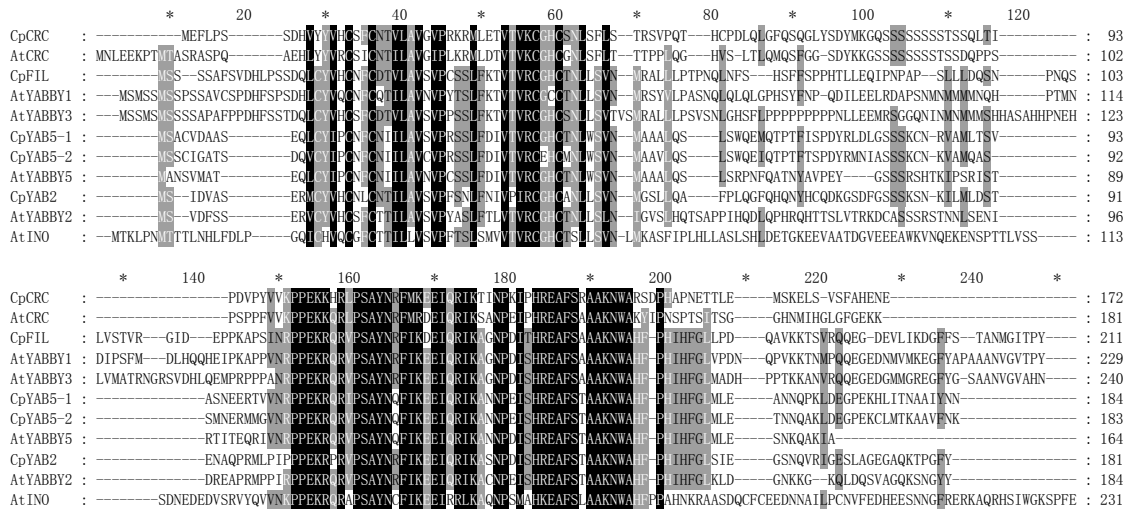




	AtCRC	NaCRC-1	NaCRC-2	AtCRC	AmCRC	CpCRC	EuCRC	OmCRC	EuCRC	AtNO	NyAtNO	AmAtNO	CpYAB2	NyYAB2	DVYAB2	AtYAB2	AtYAB5	CpYAB5-1	CpYAB5-2	CYAB5	AtYABBY1	AtYABBY3	CpFIL	MgFIL	AmFIL	NFIL	NyFIL	
AtCRC		68	69	63	56	59	56	50	63	33	38	37	35	36	35	38	37	35	34	48	37	36	36	45	39	37	42	
NaCRC-1			100	62	60	67	55	52	62	32	39	40	41	39	38	41	43	40	37	44	37	36	37	44	39	39	42	
NaCRC-2				62	60	67	56	52	64	32	40	40	42	40	39	42	44	40	38	44	38	37	38	44	40	40	42	
AtCRC					53	59	53	50	57	30	39	40	38	38	42	40	40	40	38	52	36	38	36	53	39	36	51	
AmCRC						61	54	49	57	31	38	40	37	38	38	37	41	38	36	44	38	39	38	45	40	37	41	
CpCRC							57	51	58	33	42	39	38	40	39	42	37	37	37	47	40	41	39	50	40	40	48	
EuCRC								56	59	29	38	37	36	37	32	34	41	34	32	43	36	36	35	47	39	38	43	
OmCRC									58	31	35	37	36	39	34	38	41	38	35	42	36	36	35	39	37	37	37	
EuCRC										33	42	40	38	38	38	39	41	39	37	50	39	36	38	50	43	44	50	
AtNO										48	39	37	41	39	42	43	38	38	46	38	36	38	44	38	36	46		
NyAtNO											45	46	48	44	46	52	48	44	49	40	42	43	44	44	43	46		
AmAtNO												62	61	59	56	58	56	55	65	47	43	49	60	50	50	58		
CpYAB2													72	64	57	60	55	55	64	49	47	47	65	51	50	62		
NyYAB2														72	64	59	59	59	64	50	49	50	67	52	52	66		
DVYAB2															62	58	56	57	67	50	49	49	70	49	48	76		
AtYAB2																62	53	51	67	50	50	52	68	54	51	70		
AtYAB5																												
CpYAB5-1																												
CpYAB5-2																												
AtYABBY1																												
AtYABBY3																												
CpFIL																												
MgFIL																												
AmFIL																												
NFIL																												
NyFIL																												

Table S1 Protein identity analysis by clustalx

Note: Accession numbers details see in section “Sequence alignment and phylogenetic analysis”.