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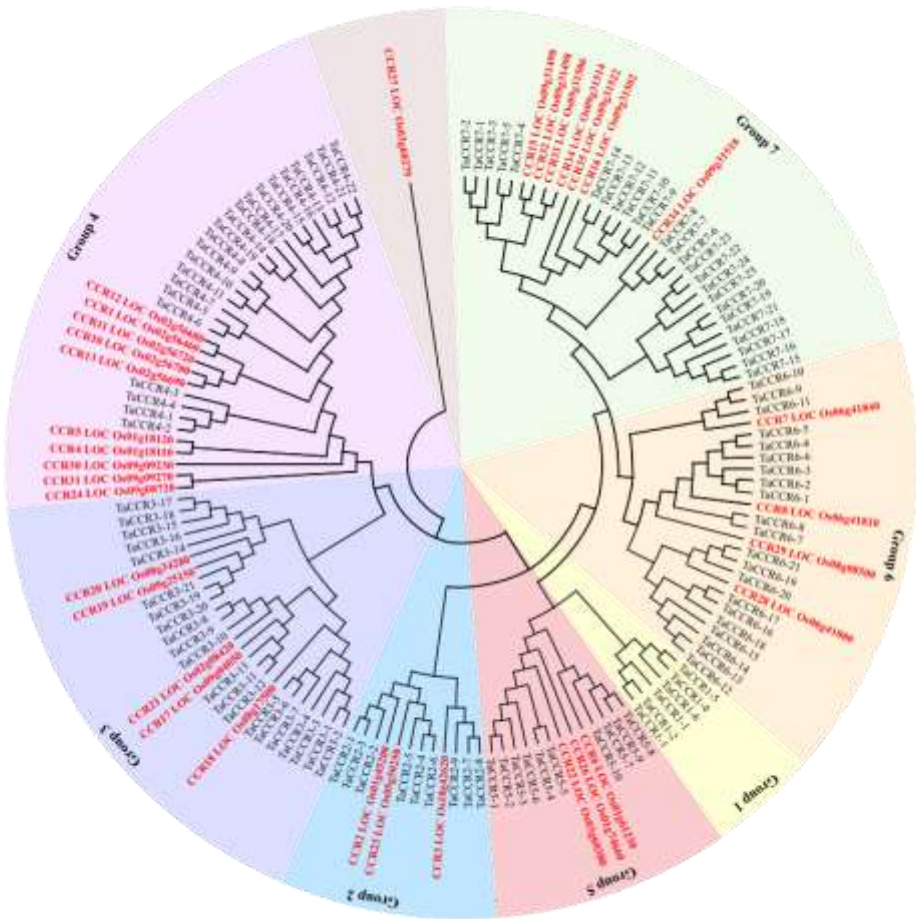
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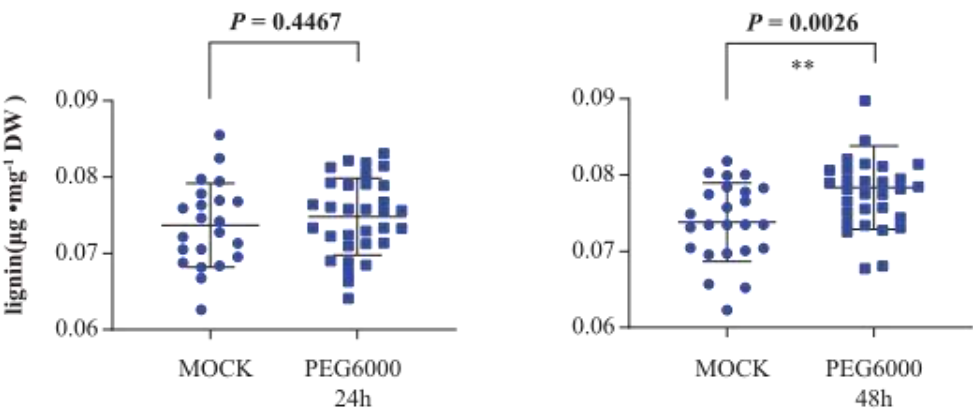
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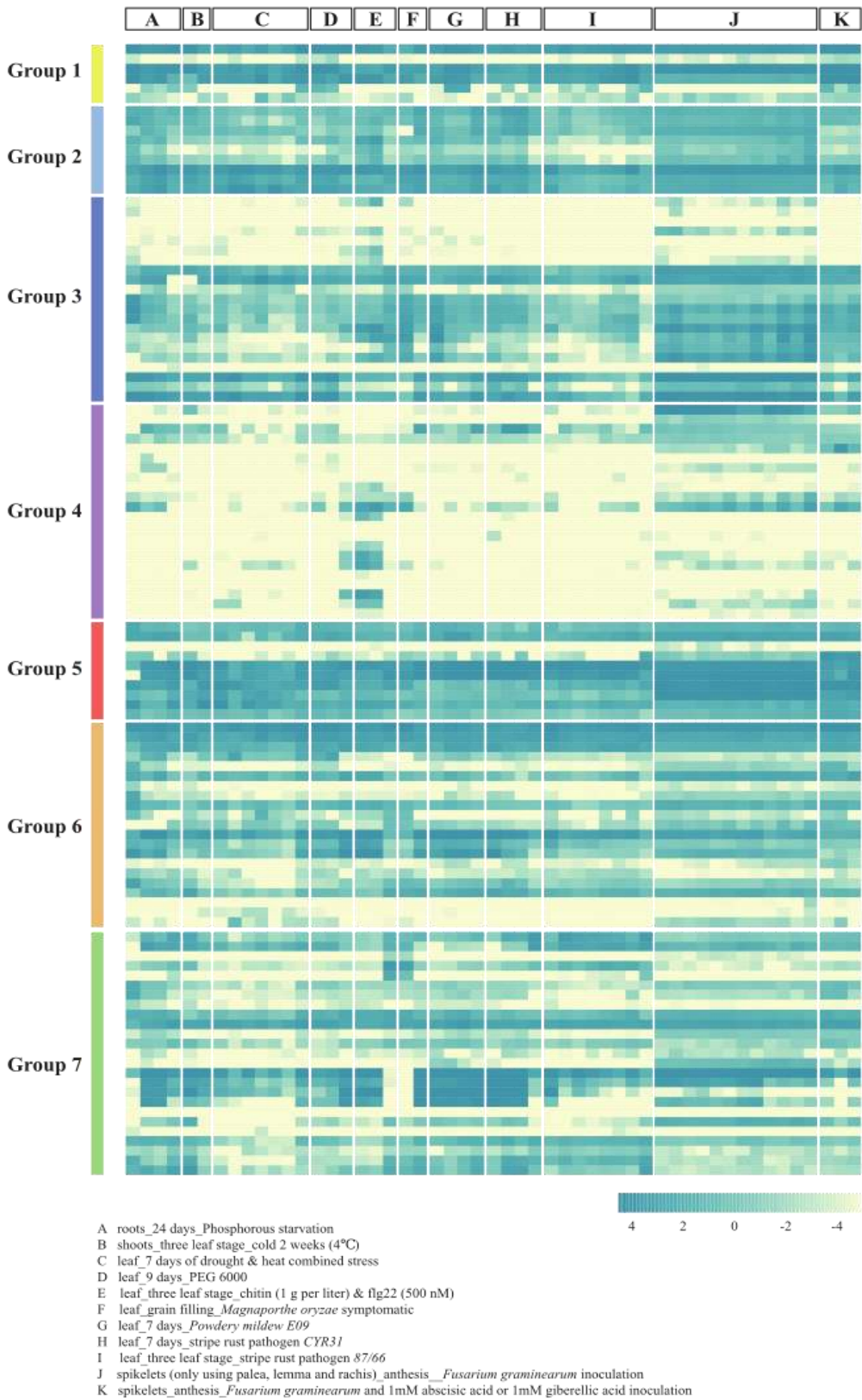
Supplementary Figure 1. Phylogenetic analysis of wheat and rice CCR proteins.



Supplementary Figure 2. The change of lignin content in Polyethylene glycol -treated wheat seedlings.



Supplementary Figure 3. Heat map of the expression profiles of *CCRs* in response to abiotic and biotic stresses.



Supplementary Table S1. *CCR* gene family in the genome of Chinese Spring.

	No.	Gene-Name	Gene-ID	Human Readable Annotation	Chromosome Location	Size(aa)	PI	Mw(KDa)	Intron Num.	Subcellular Localization
Group 1	1	TaCCR1-1	TraesCS5B02G547200	Cinnamoyl-CoA reductase 4	5B:700230739:700234958:1	993	6.32	36.36	5	cytoplasm
	2	TaCCR1-2	TraesCS5B02G546700	Cinnamoyl-CoA reductase, putative	5B:699946003:699949487:-1	681	6.90	24.97	4	chloroplast
	3	TaCCR1-3	TraesCS5D02G541100	Cinnamoyl-CoA reductase 4	5D:552036203:552040262:1	993	6.32	36.40	5	cytoplasm
	4	TaCCR1-4	TraesCS5D02G540800	Cinnamoyl-CoA reductase 4	5D:551990390:551994460:1	993	6.56	36.29	5	cytoplasm
	5	TaCCR1-5	TraesCS5B02G547000	Cinnamoyl-CoA reductase 4	5B:700216666:700225371:1	993	6.21	36.25	5	cytoplasm
	6	TaCCR1-6	TraesCS4A02G331900	Cinnamoyl-CoA reductase 4	4A:616309725:616313994:-1	993	6.56	35.58	5	cytoplasm
Group 2	7	TaCCR2-1	TraesCS3D02G223500	Cinnamoyl-CoA reductase	3D:305245060:305252405:1	1122	7.55	41.01	3	Golgi apparatus
	8	TaCCR2-2	TraesCS3A02G229700	Cinnamoyl-CoA reductase	3A:429542186:429546480:-1	1110	7.10	40.55	3	Golgi apparatus
	9	TaCCR2-3	TraesCS3B02G259000	Cinnamoyl-CoA reductase	3B:416690441:416695531:-1	1119	7.54	40.97	3	Golgi apparatus
	10	TaCCR2-4	TraesCS1D02G425400	Cinnamoyl-CoA reductase	1D:479212529:479218196:1	1107	8.86	40.27	4	Golgi apparatus
	11	TaCCR2-5	TraesCS1B02G447900	Cinnamoyl-CoA reductase	1B:667423340:667428979:1	1125	8.70	40.65	4	Golgi apparatus
	12	TaCCR2-6	TraesCS1A02G417800	Cinnamoyl-CoA reductase	1A:575581119:575586523:1	1098	8.74	39.95	4	Golgi apparatus
	13	TaCCR2-7	TraesCS1D02G198500	Cinnamoyl-CoA reductase-like protein	1D:279947002:279950266:-1	927	5.40	33.58	3	mitochondrion
	14	TaCCR2-8	TraesCS1A02G194900	Cinnamoyl-CoA reductase-like protein	1A:351882936:351886581:-1	930	5.25	33.71	3	chloroplast
	15	TaCCR2-9	TraesCS1B02G209700	Cinnamoyl-CoA reductase, putative	1B:380467536:380470829:-1	924	5.15	33.63	3	mitochondrion
Group 3	16	TaCCR3-1	TraesCS5B02G069500	Cinnamoyl-CoA reductase	5B:79422303:79423862:-1	1020	7.54	37.13	3	cytoplasm
	17	TaCCR3-2	TraesCS5A02G061700	Cinnamoyl-CoA reductase	5A:65354956:65356503:1	1020	7.52	37.13	3	cytoplasm
	18	TaCCR3-3	TraesCS5A02G061800	Cinnamoyl-CoA reductase	5A:65359865:65361281:1	840	8.56	30.48	2	cytoplasm
	19	TaCCR3-4	TraesCS5D02G073400	Cinnamoyl-CoA reductase	5D:72613275:72614558:1	1020	7.94	37.22	3	cytoplasm
	20	TaCCR3-5	TraesCS5D02G073300	Cinnamoyl-CoA reductase	5D:72589506:72591184:1	1011	6.75	36.98	3	cytoplasm
	21	TaCCR3-6	TraesCS5A02G061600	Cinnamoyl-CoA reductase	5A:65010789:65012439:1	1011	8.27	36.85	3	cytoplasm
	22	TaCCR3-7	TraesCS5B02G069600	Cinnamoyl-CoA reductase	5B:79560840:79562717:-1	1011	6.71	36.83	3	cytoplasm
	23	TaCCR3-8	TraesCS6B02G175600	Cinnamoyl CoA reductase	6B:191539156:191542158:-1	1152	8.05	37.64	5	Golgi apparatus
	24	TaCCR3-9	TraesCS6A02G147300	Cinnamoyl CoA reductase	6A:127189408:127192649:-1	1281	9.24	46.68	6	Golgi apparatus
	25	TaCCR3-10	TraesCS6D02G136600	Cinnamoyl CoA reductase	6D:104979799:104988624:-1	1035	8.52	37.58	5	Golgi apparatus

Group 4	26	TaCCR3-11	TraesCS5B02G160700	Cinnamoyl-CoA reductase	5B:296375795:296379161:-1	1098	6.60	40.17	5	Golgi apparatus
	27	TaCCR3-12	TraesCS5A02G163400	Cinnamoyl-CoA reductase	5A:350235884:350238460:-1	1074	6.52	39.48	4	Golgi apparatus
	28	TaCCR3-13	TraesCS5D02G168400	Cinnamoyl-CoA reductase	5D:264016891:264019408:-1	1074	6.56	39.50	4	Golgi apparatus
	29	TaCCR3-14	TraesCS7D02G150500	Cinnamoyl-CoA reductase	7D:99822367:99824377:-1	1026	6.09	36.51	4	cytoplasm
	30	TaCCR3-15	TraesCS7A02G149000	Cinnamoyl-CoA reductase	7A:102288552:102290542:-1	1038	5.94	36.80	4	cytoplasm
	31	TaCCR3-16	TraesCS7B02G052600	Cinnamoyl-CoA reductase	7B:55033937:55036036:-1	1182	6.08	41.96	4	cytoplasm
	32	TaCCR3-17	TraesCS7D02G150600	Cinnamoyl-CoA reductase	7D:99872181:99874372:-1	1032	6.19	36.59	4	cytoplasm
	33	TaCCR3-18	TraesCS7B02G052700	Cinnamoyl-CoA reductase	7B:55065021:55067272:-1	1110	8.79	39.90	3	cell wall
	34	TaCCR3-19	TraesCS5D02G232400	Cinnamoyl-CoA reductase	5D:339352408:339356153:1	1056	6.13	37.64	4	cytoplasm
	35	TaCCR3-20	TraesCS5A02G225100	Cinnamoyl-CoA reductase	5A:440261863:440265787:1	1047	6.14	31.14	4	cytoplasm
	36	TaCCR3-21	TraesCS5B02G223700	Cinnamoyl-CoA reductase	5B:398346089:398350472:1	1074	5.63	37.50	4	cytoplasm
	37	TaCCR4-1	TraesCS5B02G414500	Cinnamoyl CoA reductase	5B:588832694:588834933:1	1095	9.38	40.81	4	Golgi apparatus
	38	TaCCR4-2	TraesCS5A02G410400	Cinnamoyl CoA reductase	5A:599451243:599453537:1	1017	8.40	37.85	4	Golgi apparatus
	39	TaCCR4-3	TraesCS5B02G414300	Cinnamoyl CoA reductase	5B:588778560:588780838:1	1008	7.63	37.70	4	Golgi apparatus
	40	TaCCR4-4	TraesCS5A02G410100	Cinnamoyl CoA reductase	5A:599390819:599392871:1	1008	8.47	37.72	4	Golgi apparatus
	41	TaCCR4-5	TraesCS6D02G369500	Cinnamoyl CoA reductase	6D:456251602:456253509:1	1029	7.61	37.56	4	cytoplasm
	42	TaCCR4-6	TraesCS6B02G420900	Cinnamoyl CoA reductase	6B:691990593:691993051:-1	1032	8.04	37.76	4	cytoplasm
	43	TaCCR4-7	TraesCS6A02G380800	Cinnamoyl CoA reductase	6A:600950330:600954452:1	1023	6.67	37.48	4	cytoplasm
	44	TaCCR4-8	TraesCS6D02G365900	Cinnamoyl CoA reductase	6D:454734201:454735759:1	1017	7.61	37.22	3	mitochondrion
	45	TaCCR4-9	TraesCS6B02G420500	Cinnamoyl CoA reductase	6B:691793861:691795305:-1	1017	8.47	37.20	3	cytoplasm
	46	TaCCR4-10	TraesCS6D02G366400	Cinnamoyl CoA reductase	6D:454925625:454926897:-1	1002	9.05	36.43	3	Golgi apparatus
	47	TaCCR4-11	TraesCS6A02G381700	Cinnamoyl CoA reductase	6A:601210566:601212044:-1	1134	8.93	41.59	3	cytoplasm
	48	TaCCR4-12	TraesCS6D02G366200	Cinnamoyl CoA reductase	6D:454825731:454827612:1	1038	7.11	37.98	4	cytoplasm
	49	TaCCR4-13	TraesCS6A02G380900	Cinnamoyl CoA reductase	6A:600976584:600978178:-1	1155	6.73	42.30	3	cytoplasm
	50	TaCCR4-14	TraesCS6D02G366000	Cinnamoyl CoA reductase	6D:454748122:454749504:-1	1158	7.91	42.36	3	Golgi apparatus
	51	TaCCR4-15	TraesCS6B02G420300	Cinnamoyl CoA reductase	6B:691787992:691788860:1	516	9.13	19.34	1	chloroplast
	52	TaCCR4-16	TraesCS6D02G365700	Cinnamoyl CoA reductase	6D:454657358:454659100:-1	1038	8.26	38.08	4	cytoplasm
	53	TaCCR4-17	TraesCS6B02G420000	Cinnamoyl CoA reductase	6B:691631853:691633559:-1	1038	7.09	38.36	4	cytoplasm
	54	TaCCR4-18	TraesCS6A02G381100	Cinnamoyl CoA reductase	6A:601031899:601033113:-1	840	6.14	30.80	4	Golgi apparatus
	55	TaCCR4-19	TraesCS6A02G380700	Cinnamoyl CoA reductase	6A:600912735:600913527:-1	585	6.96	21.37	1	cytoplasm
	56	TaCCR4-20	TraesCS6B02G420200	Cinnamoyl CoA reductase	6B:691782167:691784091:-1	1038	7.99	38.14	4	cytoplasm
	57	TaCCR4-21	TraesCS6A02G381300	Cinnamoyl CoA reductase	6A:601137635:601138326:-1	462	9.62	17.13	2	Golgi apparatus
	58	TaCCR4-22	TraesCS6A02G381400	Cinnamoyl CoA reductase	6A:601146678:601148570:1	1038	8.46	38.04	4	cytoplasm
Group 5	59	TaCCR5-1	TraesCS3D02G221200	Cinnamoyl-CoA reductase, putative	3D:301737958:301739520:-1	369	5.93	13.64	2	chloroplast
	60	TaCCR5-2	TraesCS2D02G458800	Cinnamoyl-CoA reductase, putative	2D:565531784:565533346:1	369	5.69	13.68	2	chloroplast
	61	TaCCR5-3	TraesCS3B02G463900	Cinnamoyl-CoA reductase, putative	3B:706920803:706921306:-1	378	9.22	14.18	1	cell wall
	62	TaCCR5-4	TraesCS5D02G486300	Cinnamoyl-CoA reductase 4	5D:521481993:521484935:1	993	5.18	35.41	5	Golgi apparatus
	63	TaCCR5-5	TraesCS5B02G486500	Cinnamoyl-CoA reductase 4	5B:657728132:657730872:1	993	5.29	35.53	5	cytoplasm
	64	TaCCR5-6	TraesCS5A02G473600	Cinnamoyl-CoA reductase 4	5A:649805037:649807278:1	993	5.36	35.57	5	cytoplasm
	65	TaCCR5-7	TraesCS3D02G342200	Cinnamoyl-CoA reductase 4	3D:455011364:455013098:1	1032	5.23	35.75	5	Golgi apparatus
	66	TaCCR5-8	TraesCS3A02G348600	Cinnamoyl-CoA reductase 4	3A:597266759:597268691:1	987	5.14	35.80	5	Golgi apparatus
	67	TaCCR5-9	TraesCS3B02G380500	Cinnamoyl-CoA reductase 4	3B:598111100:598112933:1	984	5.24	35.77	5	Golgi apparatus
	68	TaCCR5-10	TraesCS3B02G380600	Cinnamoyl-CoA reductase 4	3B:598116401:598118141:1	993	5.06	35.93	5	Golgi apparatus
Group 6	69	TaCCR6-1	TraesCS7D02G391900	Cinnamoyl-CoA reductase 4	7D:506871678:506875217:1	969	6.05	35.02	5	cytoplasm
	70	TaCCR6-2	TraesCS7A02G396300	Cinnamoyl-CoA reductase 4	7A:574745836:574749322:1	981	5.61	35.27	5	cytoplasm
	71	TaCCR6-3	TraesCS7B02G298300	Cinnamoyl-CoA reductase 4	7B:535500378:535504504:1	966	6.03	34.85	5	cytoplasm
	72	TaCCR6-4	TraesCS7D02G391700	Cinnamoyl-CoA reductase family protein	7D:506811459:506814449:1	969	6.46	34.95	5	cytoplasm
	73	TaCCR6-5	TraesCS7A02G396100	Cinnamoyl-CoA reductase 4	7A:574678090:574680665:1	972	6.03	35.09	5	cytoplasm
	74	TaCCR6-6	TraesCS7B02G298100	Cinnamoyl-CoA reductase 4	7B:535449104:535451531:1	969	8.39	34.96	5	Golgi apparatus
	75	TaCCR6-7	TraesCS7D02G391500	Cinnamoyl-CoA reductase 4	7D:506719490:506723388:1	981	5.50	35.39	5	cytoplasm
	76	TaCCR6-8	TraesCS7A02G395800	Cinnamoyl-CoA reductase family protein	7A:574115078:574127802:1	981	5.72	35.27	5	Golgi apparatus
	77	TaCCR6-9	TraesCS7D02G391400	Cinnamoyl-CoA reductase 4	7D:506675020:506678849:1	972	5.80	34.85	5	Golgi apparatus
	78	TaCCR6-10	TraesCS7B02G297700	Cinnamoyl-CoA reductase family protein	7B:535241454:535243699:1	1059	4.97	38.08	4	cytoplasm
Group 7	79	TaCCR6-11	TraesCS7A02G395700	Cinnamoyl-CoA reductase 4	7A:574097658:574110008:1	981	6.00	35.26	5	Golgi apparatus
	80	TaCCR6-12	TraesCS7D02G392100	Cinnamoyl-CoA reductase 4	7D:506901225:506904634:1	1107	5.79	39.87	6	cytoplasm
	81	TaCCR6-13	TraesCS7B02G298700	Cinnamoyl-CoA reductase 4	7B:535636470:535638318:1	990	6.11	35.41	5	cytoplasm
	82	TaCCR6-14	TraesCS7A02G396600	Cinnamoyl-CoA reductase 4	7A:575099406:575102155:1	993	5.45	35.53	5	mitochondrion
	83	TaCCR6-15	TraesCS7D02G392200	Cinnamoyl-CoA reductase 4	7D:507230196:507231997:1	993	5.27	35.72	5	cytoplasm
	84	TaCCR6-16	TraesCS7D02G391800	Cinnamoyl-CoA reductase 4	7D:506816560:506819734:1	987	6.33	35.41	5	Golgi apparatus
	85	TaCCR6-17	TraesCS7B02G298200	Cinnamoyl-CoA reductase 4	7B:535491326:535495558:1	987	6.34	35.34	5	cytoplasm
	86	TaCCR6-18	TraesCS7A02G396200	Cinnamoyl-CoA reductase 4	7A:574684448:574686701:1	999	7.51	35.62	5	Golgi apparatus
	87	TaCCR6-19	TraesCS7D02G392400	Cinnamoyl-CoA reductase	7D:507302687:507304116:1	975	5.95	34.95	5	cell membrane
	88	TaCCR6-20	TraesCS7A02G398000	Cinnamoyl-CoA reductase 4	7A:577206021:577207749:1	975	5.85	35.05	5	cytoplasm
Group 7	89	TaCCR6-21	TraesCS7B02G298900	Cinnamoyl-CoA reductase 4	7B:535697430:535699110:1	975	5.41	34.92	5	cell membrane
	90	TaCCR7-1	TraesCS5D02G277200	Cinnamoyl-CoA reductase 4	5D:379341837:379344255:-1	1032	5.54	38.12	5	cytoplasm
	91	TaCCR7-2	TraesCS5B02G269400	Cinnamoyl-CoA reductase 4	5B:455272449:455273733:-1	687	6.30	25.00	3	cytoplasm
	92	TaCCR7-3	TraesCS5D02G276900	Cinnamoyl-CoA reductase 4	5D:379254201:379257512:-1	1029	5.26	38.28	5	cytoplasm
	93	TaCCR7-4	TraesCS5D02G071200	Cinnamoyl-CoA reductase 4	5D:69111072:69114859:1	1059	5.10	39.60	5	cytoplasm
	94	TaCCR7-5	TraesCS5A02G059700	Cinnamoyl-CoA reductase 4	5A:59717590:59721577:1	1032	5.84	38.45	5	cytoplasm
	95	TaCCR7-6	TraesCS5B02G269500	Cinnamoyl-CoA reductase 4	5B:455291523:455295091:-1	1011	6.09	37.20	5	cytoplasm
	96	TaCCR7-7	TraesCS5A02G269200	Cinnamoyl-CoA reductase 4	5A:480087126:480090090:-1	1014	6.40	37.44	5	cytoplasm
	97	TaCCR7-8	TraesCS5D02G277400	Cinnamoyl-CoA reductase 4	5D:379384142:379387423:-1	1014	6.66	37.25	5	cytoplasm
	98	TaCCR7-9	TraesCS5D02G276600	Cinnamoyl-CoA reductase 4	5D:379226598:379229813:-1	1047	6.09	38.02	5	cytoplasm
	99	TaCCR7-10	TraesCS5B02G268800	Cinnamoyl-CoA reductase 4	5B:454900220:454903134:-1	891	5.18	32.81	4	peroxisome
	100	TaCCR7-11	TraesCS5B02G269000	Cinnamoyl-CoA reductase 4	5B:455145354:455147897:-1	486	6.89	17.26	3	cytoplasm
	101	TaCCR7-12	TraesCS5A02G268800	Cinnamoyl-CoA reductase 4	5A:479403123:479408759:-1	1044	5.68	38.24	5	cytoplasm
	102	TaCCR7-13	TraesCS5D02G276400	Cinnamoyl-CoA reductase 4	5D:379129787:379133913:-1	1032	5.68	37.34	5	cytoplasm

103	TaCCR7-14	TraesCS5A02G268600	Cinnamoyl-CoA reductase 4	5A:479236388:479239870:-1	1032	5.19	38.11	5	cytoplasm
104	TaCCR7-15	TraesCS5B02G268300	Cinnamoyl-CoA reductase 4	5B:454636437:454638181:1	1044	5.36	37.59	5	vacuole
105	TaCCR7-16	TraesCS5B02G268100	Cinnamoyl-CoA reductase 4	5B:454476396:454477970:1	1131	6.87	41.41	5	vacuole
106	TaCCR7-17	TraesCS5D02G276300	Cinnamoyl-CoA reductase 4	5D:378956602:378958309:1	1044	5.36	37.78	5	Golgi apparatus
107	TaCCR7-18	TraesCS5A02G268300	Cinnamoyl-CoA reductase 4	5A:479046817:479048596:1	1044	5.46	37.84	5	Golgi apparatus
108	TaCCR7-19	TraesCS5B02G268400	Cinnamoyl-CoA reductase 4	5B:454653484:454657724:-1	1041	5.51	37.91	5	vacuole
109	TaCCR7-20	TraesCS5A02G268400	Cinnamoyl-CoA reductase 4	5A:479200118:479205257:-1	1020	5.32	37.02	5	vacuole
110	TaCCR7-21	TraesCS5A02G268500	Cinnamoyl-CoA reductase 4	5A:479226112:479232368:-1	1038	5.33	37.62	5	Golgi apparatus
111	TaCCR7-22	TraesCS5B02G268200	Cinnamoyl-CoA reductase family protein	5B:454490752:454492199:-1	915	5.19	33.52	5	mitochondrion
112	TaCCR7-23	TraesCS5B02G268000	Cinnamoyl-CoA reductase 4	5B:454402673:454407170:-1	1035	5.74	37.81	6	Golgi apparatus
113	TaCCR7-24	TraesCS5A02G268200	Cinnamoyl-CoA reductase 4	5A:478990828:478993317:-1	1035	5.38	37.84	5	Golgi apparatus
114	TaCCR7-25	TraesCS5D02G276200	Cinnamoyl-CoA reductase 4	5D:378897367:378899448:-1	1032	5.23	37.90	5	Golgi apparatus

Supplementary Table S2. Conserved motifs in CCR promoters

	No.	Gene-Name	Gene-ID	Human Readable Annotation	NWYCY Motif	VTGA Motif	RXXXXXXK Motif	GPLLQ Motif	ASPV Motif	DVRDV Motif
Group 1	1	TaCCR1-1	TraesCS5B02G547200	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	2	TaCCR1-2	TraesCS5B02G546700	Cinnamoyl-CoA reductase, putative	1	0	0	1	0	1
	3	TaCCR1-3	TraesCS5D02G541100	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	4	TaCCR1-4	TraesCS5D02G540800	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	5	TaCCR1-5	TraesCS5B02G547000	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	6	TaCCR1-6	TraesCS4A02G331900	Cinnamoyl-CoA reductase 4	0	1	1	1	1	1
Group 2	7	TaCCR2-1	TraesCS3D02G223500	Cinnamoyl-CoA reductase	1	1	0	1	1	1
	8	TaCCR2-2	TraesCS3A02G229700	Cinnamoyl-CoA reductase	1	1	0	1	1	1
	9	TaCCR2-3	TraesCS3B02G259000	Cinnamoyl-CoA reductase	1	1	0	1	1	1
	10	TaCCR2-4	TraesCS1D02G425400	Cinnamoyl-CoA reductase	1	1	0	1	1	1
	11	TaCCR2-5	TraesCS1B02G447900	Cinnamoyl-CoA reductase	1	1	0	1	1	1
	12	TaCCR2-6	TraesCS1A02G417800	Cinnamoyl-CoA reductase	1	1	0	1	1	1
	13	TaCCR2-7	TraesCS1D02G198500	Cinnamoyl-CoA reductase-like protein	1	1	0	1	1	1
	14	TaCCR2-8	TraesCS1A02G194900	Cinnamoyl-CoA reductase-like protein	1	1	0	1	1	1
	15	TaCCR2-9	TraesCS1B02G209700	Cinnamoyl-CoA reductase, putative	1	1	0	1	1	1
	16	TaCCR3-1	TraesCS5B02G069500	Cinnamoyl-CoA reductase	1	1	1	1	1	1
Group 3	17	TaCCR3-2	TraesCS5A02G061700	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	18	TaCCR3-3	TraesCS5A02G061800	Cinnamoyl-CoA reductase	0	1	1	1	0	1
	19	TaCCR3-4	TraesCS5D02G073400	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	20	TaCCR3-5	TraesCS5D02G073300	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	21	TaCCR3-6	TraesCS5A02G061600	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	22	TaCCR3-7	TraesCS5B02G069600	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	23	TaCCR3-8	TraesCS6B02G175600	Cinnamoyl CoA reductase	1	1	1	1	1	1
	24	TaCCR3-9	TraesCS6A02G147300	Cinnamoyl CoA reductase	1	1	1	1	1	1
	25	TaCCR3-10	TraesCS6D02G136600	Cinnamoyl CoA reductase	1	1	1	1	1	1
	26	TaCCR3-11	TraesCS5B02G160700	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	27	TaCCR3-12	TraesCS5A02G163400	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	28	TaCCR3-13	TraesCS5D02G168400	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	29	TaCCR3-14	TraesCS7D02G150500	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	30	TaCCR3-15	TraesCS7A02G149000	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	31	TaCCR3-16	TraesCS7B02G052600	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	32	TaCCR3-17	TraesCS7D02G150600	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	33	TaCCR3-18	TraesCS7B02G052700	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	34	TaCCR3-19	TraesCS5D02G232400	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	35	TaCCR3-20	TraesCS5A02G225100	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	36	TaCCR3-21	TraesCS5B02G223700	Cinnamoyl-CoA reductase	1	1	1	1	1	1
Group 4	37	TaCCR4-1	TraesCS5B02G414500	Cinnamoyl CoA reductase	1	1	1	1	1	1
	38	TaCCR4-2	TraesCS5A02G410400	Cinnamoyl CoA reductase	1	1	1	1	1	1
	39	TaCCR4-3	TraesCS5B02G414300	Cinnamoyl CoA reductase	1	1	1	1	1	1
	40	TaCCR4-4	TraesCS5A02G410100	Cinnamoyl CoA reductase	1	1	1	1	1	1
	41	TaCCR4-5	TraesCS6D02G369500	Cinnamoyl CoA reductase	1	1	1	1	1	1
	42	TaCCR4-6	TraesCS6B02G420900	Cinnamoyl CoA reductase	1	1	1	1	1	1
	43	TaCCR4-7	TraesCS6A02G380800	Cinnamoyl CoA reductase	1	1	1	1	1	1
	44	TaCCR4-8	TraesCS6D02G365900	Cinnamoyl CoA reductase	1	1	1	1	1	1
	45	TaCCR4-9	TraesCS6B02G420500	Cinnamoyl CoA reductase	1	1	1	1	1	1
	46	TaCCR4-10	TraesCS6D02G366400	Cinnamoyl CoA reductase	0	1	1	1	1	1
	47	TaCCR4-11	TraesCS6A02G381700	Cinnamoyl CoA reductase	1	1	1	1	1	1
	48	TaCCR4-12	TraesCS6D02G366200	Cinnamoyl CoA reductase	1	1	1	1	1	1
	49	TaCCR4-13	TraesCS6A02G380900	Cinnamoyl CoA reductase	1	1	1	1	1	1
	50	TaCCR4-14	TraesCS6D02G366000	Cinnamoyl CoA reductase	1	1	1	1	1	1
	51	TaCCR4-15	TraesCS6B02G420300	Cinnamoyl CoA reductase	0	0	0	0	0	1
	52	TaCCR4-16	TraesCS6D02G365700	Cinnamoyl CoA reductase	1	1	1	1	1	1
	53	TaCCR4-17	TraesCS6B02G420000	Cinnamoyl CoA reductase	1	1	1	1	1	1
	54	TaCCR4-18	TraesCS6A02G381100	Cinnamoyl CoA reductase	1	1	1	1	0	1
	55	TaCCR4-19	TraesCS6A02G380700	Cinnamoyl CoA reductase	0	1	1	0	1	0
	56	TaCCR4-20	TraesCS6B02G420200	Cinnamoyl CoA reductase	1	1	1	1	1	1

Group 5	57	TaCCR4-21	TraesCS6A02G381300	Cinnamoyl CoA reductase	0	1	1	0	0	0
	58	TaCCR4-22	TraesCS6A02G381400	Cinnamoyl CoA reductase	1	1	1	1	1	1
	59	TaCCR5-1	TraesCS3D02G221200	Cinnamoyl-CoA reductase, putative	0	0	0	0	0	1
	60	TaCCR5-2	TraesCS2D02G458800	Cinnamoyl-CoA reductase, putative	0	0	0	0	0	1
	61	TaCCR5-3	TraesCS3B02G463900	Cinnamoyl-CoA reductase, putative	0	0	0	0	0	1
	62	TaCCR5-4	TraesCS5D02G486300	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	63	TaCCR5-5	TraesCS5B02G486500	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	64	TaCCR5-6	TraesCS5A02G473600	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	65	TaCCR5-7	TraesCS3D02G342200	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	66	TaCCR5-8	TraesCS3A02G348600	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
Group 6	67	TaCCR5-9	TraesCS3B02G380500	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	68	TaCCR5-10	TraesCS3B02G380600	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	69	TaCCR6-1	TraesCS7D02G391900	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	70	TaCCR6-2	TraesCS7A02G396300	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	71	TaCCR6-3	TraesCS7B02G298300	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	72	TaCCR6-4	TraesCS7D02G391700	Cinnamoyl-CoA reductase family protein	1	1	1	1	1	1
	73	TaCCR6-5	TraesCS7A02G396100	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	74	TaCCR6-6	TraesCS7B02G298100	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	75	TaCCR6-7	TraesCS7D02G391500	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	76	TaCCR6-8	TraesCS7A02G395800	Cinnamoyl-CoA reductase family protein	1	1	1	1	1	1
Group 7	77	TaCCR6-9	TraesCS7D02G391400	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	78	TaCCR6-10	TraesCS7B02G297700	Cinnamoyl-CoA reductase family protein	1	1	1	1	1	1
	79	TaCCR6-11	TraesCS7A02G395700	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	80	TaCCR6-12	TraesCS7D02G392100	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	81	TaCCR6-13	TraesCS7B02G298700	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	82	TaCCR6-14	TraesCS7A02G396600	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	83	TaCCR6-15	TraesCS7D02G392200	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	84	TaCCR6-16	TraesCS7D02G391800	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	85	TaCCR6-17	TraesCS7B02G298200	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	86	TaCCR6-18	TraesCS7A02G396200	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
Group 7	87	TaCCR6-19	TraesCS7D02G392400	Cinnamoyl-CoA reductase	1	1	1	1	1	1
	88	TaCCR6-20	TraesCS7A02G398000	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	89	TaCCR6-21	TraesCS7B02G298900	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	90	TaCCR7-1	TraesCS5D02G277200	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	91	TaCCR7-2	TraesCS5B02G269400	Cinnamoyl-CoA reductase 4	1	1	1	1	1	0
	92	TaCCR7-3	TraesCS5D02G276900	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	93	TaCCR7-4	TraesCS5D02G071200	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	94	TaCCR7-5	TraesCS5A02G059700	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	95	TaCCR7-6	TraesCS5B02G269500	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	96	TaCCR7-7	TraesCS5A02G269200	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
Group 7	97	TaCCR7-8	TraesCS5D02G277400	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	98	TaCCR7-9	TraesCS5D02G276600	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	99	TaCCR7-10	TraesCS5B02G268800	Cinnamoyl-CoA reductase 4	1	0	0	1	1	1
	100	TaCCR7-11	TraesCS5B02G269000	Cinnamoyl-CoA reductase 4	1	1	1	0	1	0
	101	TaCCR7-12	TraesCS5A02G268800	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	102	TaCCR7-13	TraesCS5D02G276400	Cinnamoyl-CoA reductase 4	0	1	1	1	1	1
	103	TaCCR7-14	TraesCS5A02G268600	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	104	TaCCR7-15	TraesCS5B02G268300	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	105	TaCCR7-16	TraesCS5B02G268100	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	106	TaCCR7-17	TraesCS5D02G276300	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
Group 7	107	TaCCR7-18	TraesCS5A02G268300	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	108	TaCCR7-19	TraesCS5B02G268400	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	109	TaCCR7-20	TraesCS5A02G268400	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	110	TaCCR7-21	TraesCS5A02G268500	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	111	TaCCR7-22	TraesCS5B02G268200	Cinnamoyl-CoA reductase family protein	0	0	0	1	1	1
	112	TaCCR7-23	TraesCS5B02G268000	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	113	TaCCR7-24	TraesCS5A02G268200	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
	114	TaCCR7-25	TraesCS5D02G276200	Cinnamoyl-CoA reductase 4	1	1	1	1	1	1
Total					103	107	98	107	106	110



Supplementary Table S3. Predicted cis-acting elements in wheat CCR promoters.

	No.	Gene-Name	Gene-ID	ABRE	TGACG/CGTCA-motif	MBS	LTR	TCA-element	P-box/GARE-motif	TC-rich repeats	TATC-box	MBSI	WUN-motif
Group 1	1	TaCCR1-1	TraesCS5B02G547200	14	10	0	2	0	0	0	0	0	0
	2	TaCCR1-2	TraesCS5B02G546700	5	12	1	3	0	1	0	0	0	0
	3	TaCCR1-3	TraesCS5D02G541100	5	8	1	1	0	0	0	0	0	0
	4	TaCCR1-4	TraesCS5D02G540800	5	14	0	2	0	1	0	0	0	0
	5	TaCCR1-5	TraesCS5B02G547000	0	10	1	2	3	0	0	0	0	0
	6	TaCCR1-6	TraesCS4A02G331900	5	10	1	1	0	1	0	0	0	0
	7	TaCCR2-1	TraesCS3D02G223500	8	8	0	0	0	0	0	0	0	0
Group 2	8	TaCCR2-2	TraesCS3A02G229700	6	8	0	1	1	0	0	0	0	1
	9	TaCCR2-3	TraesCS3B02G259000	7	6	0	0	0	1	0	0	0	0
	10	TaCCR2-4	TraesCS1D02G425400	9	4	0	1	1	1	1	0	0	0
	11	TaCCR2-5	TraesCS1B02G447900	14	2	0	3	0	0	1	0	1	0
	12	TaCCR2-6	TraesCS1A02G417800	7	0	1	1	0	1	0	0	0	0
	13	TaCCR2-7	TraesCS1D02G198500	4	8	2	0	0	0	0	1	0	0
	14	TaCCR2-8	TraesCS1A02G194900	5	6	1	0	1	0	0	1	0	0
Group 3	15	TaCCR2-9	TraesCS1B02G209700	6	6	3	1	1	0	0	0	0	0
	16	TaCCR3-1	TraesCS5B02G069500	7	6	1	0	0	1	1	0	0	0
	17	TaCCR3-2	TraesCS5A02G061700	12	6	2	0	0	1	0	2	0	0
	18	TaCCR3-3	TraesCS5A02G061800	1	6	1	0	0	0	1	0	0	0
	19	TaCCR3-4	TraesCS5D02G073400	8	4	1	1	0	1	0	0	0	0
	20	TaCCR3-5	TraesCS5D02G073300	2	6	0	0	1	0	0	0	0	0
	21	TaCCR3-6	TraesCS5A02G061600	2	8	1	1	2	0	1	1	0	0
Group 4	22	TaCCR3-7	TraesCS5B02G069600	5	2	1	0	1	1	0	0	0	0
	23	TaCCR3-8	TraesCS6B02G175600	8	4	3	0	0	0	0	0	0	0
	24	TaCCR3-9	TraesCS6A02G147300	10	14	2	1	1	0	0	0	0	0
	25	TaCCR3-10	TraesCS6D02G136600	12	8	2	0	1	0	2	0	0	0
	26	TaCCR3-11	TraesCS5B02G160700	4	8	1	0	1	0	0	0	0	0
	27	TaCCR3-12	TraesCS5A02G163400	5	10	1	0	2	0	0	0	0	0
	28	TaCCR3-13	TraesCS5D02G168400	5	10	1	0	0	1	0	0	0	0
Group 5	29	TaCCR3-14	TraesCS7D02G150500	4	6	0	1	2	1	0	0	1	0
	30	TaCCR3-15	TraesCS7A02G149000	3	2	0	0	0	0	1	0	0	0
	31	TaCCR3-16	TraesCS7B02G052600	9	4	1	1	2	1	0	0	1	0
	32	TaCCR3-17	TraesCS7D02G150600	7	0	1	1	0	1	1	0	0	0
	33	TaCCR3-18	TraesCS7B02G052700	7	16	0	1	0	0	0	0	0	0
	34	TaCCR3-19	TraesCS5D02G232400	8	10	3	1	0	0	0	0	0	0
	35	TaCCR3-20	TraesCS5A02G225100	12	6	2	0	0	0	0	0	0	0
Group 6	36	TaCCR3-21	TraesCS5B02G223700	4	2	2	0	0	1	0	0	0	0
	37	TaCCR4-1	TraesCS5B02G414500	5	10	0	1	0	1	0	0	0	0
	38	TaCCR4-2	TraesCS5A02G410400	5	8	0	2	0	0	1	0	0	0
	39	TaCCR4-3	TraesCS5B02G414300	5	10	1	2	1	1	0	0	0	0
	40	TaCCR4-4	TraesCS5A02G410100	5	10	1	1	0	1	0	0	0	0
	41	TaCCR4-5	TraesCS6D02G369500	5	6	1	0	0	0	0	0	0	0
	42	TaCCR4-6	TraesCS6B02G420900	3	4	1	0	1	0	0	0	0	0
Group 7	43	TaCCR4-7	TraesCS6A02G380800	6	6	1	0	0	0	1	0	0	0
	44	TaCCR4-8	TraesCS6D02G365900	8	12	2	0	0	0	0	0	0	0
	45	TaCCR4-9	TraesCS6B02G420500	10	8	0	0	0	0	0	1	0	0
	46	TaCCR4-10	TraesCS6D02G366400	5	10	0	1	2	0	0	0	0	0
	47	TaCCR4-11	TraesCS6A02G381700	8	14	0	0	1	0	0	0	0	0
	48	TaCCR4-12	TraesCS6D02G366200	2	4	0	2	1	0	0	0	0	0
	49	TaCCR4-13	TraesCS6A02G380900	3	6	0	3	1	2	0	0	0	0
Group 8	50	TaCCR4-14	TraesCS6D02G366000	4	10	0	1	0	0	0	0	0	0
	51	TaCCR4-15	TraesCS6B02G420300	4	10	0	1	2	0	1	0	0	0
	52	TaCCR4-16	TraesCS6D02G365700	6	18	0	1	1	0	1	0	0	0
	53	TaCCR4-17	TraesCS6B02G420000	3	10	0	0	1	0	0	0	0	0
	54	TaCCR4-18	TraesCS6A02G381100	2	10	0	1	2	0	0	0	1	0
	55	TaCCR4-19	TraesCS6A02G380700	4	8	0	1	0	1	1	0	0	1
	56	TaCCR4-20	TraesCS6B02G420200	4	4	1	0	1	0	1	0	0	0
Group 9	57	TaCCR4-21	TraesCS6A02G381300	6	6	0	0	1	0	2	0	0	0
	58	TaCCR4-22	TraesCS6A02G381400	5	10	0	0	0	0	0	0	0	0
	59	TaCCR5-1	TraesCS3D02G221200	2	18	1	0	0	1	0	0	0	0
	60	TaCCR5-2	TraesCS2D02G458800	5	10	3	0	0	0	0	0	0	0
	61	TaCCR5-3	TraesCS3B02G463900	5	0	0	1	1	1	3	0	0	0
	62	TaCCR5-4	TraesCS5D02G486300	5	6	1	1	2	1	0	0	0	0
	63	TaCCR5-5	TraesCS5B02G486500	4	4	1	1	2	0	0	0	0	0
Group 10	64	TaCCR5-6	TraesCS5A02G473600	5	4	0	2	0	1	0	0	0	0
	65	TaCCR5-7	TraesCS3D02G342200	12	12	0	0	0	0	0	0	0	0
	66	TaCCR5-8	TraesCS3A02G348600	5	22	0	1	1	1	1	0	0	0
	67	TaCCR5-9	TraesCS3B02G380500	0	10	3	1	0	0	0	0	0	0
	68	TaCCR5-10	TraesCS3B02G380600	1	2	0	0	1	0	0	1	0	0
	69	TaCCR6-1	TraesCS7D02G391900	4	6	0	0	0	0	0	0	0	0
	70	TaCCR6-2	TraesCS7A02G396300	5	8	0	0	1	0	1	0	0	0
Group 11	71	TaCCR6-3	TraesCS7B02G298300	3	2	1	0	0	1	1	0	0	0

	72	TaCCR6-4	TraesCS7D02G391700	6	6	2	1	0	0	1	0	0	0
	73	TaCCR6-5	TraesCS7A02G396100	9	8	1	1	0	0	1	0	0	1
	74	TaCCR6-6	TraesCS7B02G298100	4	8	0	0	2	0	0	1	0	0
	75	TaCCR6-7	TraesCS7D02G391500	5	8	3	2	1	1	0	0	0	0
	76	TaCCR6-8	TraesCS7A02G395800	2	0	0	3	0	0	0	1	0	0
	77	TaCCR6-9	TraesCS7D02G391400	4	8	2	0	0	2	0	0	0	0
	78	TaCCR6-10	TraesCS7B02G297700	14	10	11	0	0	1	0	0	0	0
	79	TaCCR6-11	TraesCS7A02G395700	5	4	0	3	0	0	0	1	0	1
	80	TaCCR6-12	TraesCS7D02G392100	2	4	2	1	0	0	0	0	0	1
	81	TaCCR6-13	TraesCS7B02G298700	4	8	2	0	0	1	0	0	0	0
	82	TaCCR6-14	TraesCS7A02G396600	2	16	4	1	0	0	0	0	0	1
	83	TaCCR6-15	TraesCS7D02G392200	3	14	0	0	0	1	2	0	0	0
	84	TaCCR6-16	TraesCS7D02G391800	5	4	0	1	0	0	0	0	0	0
	85	TaCCR6-17	TraesCS7B02G298200	6	10	1	1	0	0	1	1	0	0
	86	TaCCR6-18	TraesCS7A02G396200	5	4	5	3	0	0	0	0	0	0
	87	TaCCR6-19	TraesCS7D02G392400	12	12	1	2	0	1	0	1	0	0
	88	TaCCR6-20	TraesCS7A02G398000	3	2	2	1	1	0	0	0	0	0
	89	TaCCR6-21	TraesCS7B02G298900	7	4	1	1	1	0	0	0	0	0
	90	TaCCR7-1	TraesCS5D02G277200	2	6	0	2	1	1	1	0	0	0
	91	TaCCR7-2	TraesCS5B02G269400	4	5	0	0	1	0	2	0	0	0
	92	TaCCR7-3	TraesCS5D02G276900	4	4	0	1	2	1	1	0	0	0
	93	TaCCR7-4	TraesCS5D02G071200	6	12	0	8	1	1	0	0	0	0
	94	TaCCR7-5	TraesCS5A02G059700	11	14	1	0	0	1	0	0	0	0
	95	TaCCR7-6	TraesCS5B02G269500	5	8	0	1	1	0	1	0	1	0
	96	TaCCR7-7	TraesCS5A02G269200	3	6	0	1	1	0	0	0	0	0
	97	TaCCR7-8	TraesCS5D02G277400	12	6	3	3	3	1	0	0	0	0
	98	TaCCR7-9	TraesCS5D02G276600	5	4	3	0	0	1	0	0	1	0
	99	TaCCR7-10	TraesCS5B02G268800	7	10	3	0	0	0	0	0	0	0
	100	TaCCR7-11	TraesCS5B02G269000	3	4	4	0	1	0	1	0	0	0
	101	TaCCR7-12	TraesCS5A02G268800	7	14	0	0	2	0	0	0	0	0
Group 7	102	TaCCR7-13	TraesCS5D02G276400	1	4	1	1	3	1	0	1	0	0
	103	TaCCR7-14	TraesCS5A02G268600	5	2	2	1	0	0	0	0	0	0
	104	TaCCR7-15	TraesCS5B02G268300	8	18	4	1	1	0	0	0	0	0
	105	TaCCR7-16	TraesCS5B02G268100	3	10	3	0	0	0	0	0	0	0
	106	TaCCR7-17	TraesCS5D02G276300	1	0	0	1	0	1	2	0	0	0
	107	TaCCR7-18	TraesCS5A02G268300	10	10	7	1	0	0	0	1	0	0
	108	TaCCR7-19	TraesCS5B02G268400	6	20	2	0	0	2	0	1	0	0
	109	TaCCR7-20	TraesCS5A02G268400	4	6	1	0	0	1	1	0	0	0
	110	TaCCR7-21	TraesCS5A02G268500	7	2	2	1	0	0	0	0	0	0
	111	TaCCR7-22	TraesCS5B02G268200	5	4	0	1	0	1	0	0	0	0
	112	TaCCR7-23	TraesCS5B02G268000	8	4	6	0	0	0	0	0	0	0
	113	TaCCR7-24	TraesCS5A02G268200	6	2	2	0	0	1	1	0	0	1
	114	TaCCR7-25	TraesCS5D02G276200	4	2	0	0	0	0	1	0	1	1

ABRE	cis-acting element involved in the abscisic acid responsiveness
TGACG/CGTCA-motif	cis-acting regulatory element involved in the MeJA-responsiveness
MBS	MYB binding site involved in drought-inducibility
LTR	cis-acting element involved in low-temperature responsiveness
TCA-element	cis-acting element involved in salicylic acid responsiveness
P-box/GARE-motif	gibberellin-responsive element
TC-rich repeats	cis-acting element involved in defense and stress responsiveness
TATC-box	cis-acting element involved in gibberellin-responsiveness
MBSI	MYB binding site involved in flavonoid biosynthetic genes regulation
WUN-motif	wound-responsive element

Supplementary Table S4. Expression of wheat *CCRs* during wheat development.

<https://www.siftdesk.org/articles/images/10714/tables4.png>

[illegible]

Supplementary Table S5. Pst inoculation in leaves at three-leaf-stage

<https://www.siftdesk.org/articles/images/10714/tables5.pr>

[illegible]

Supplementary Table S6. Expression of wheat *CCRs* in wheat stress responses.

<https://www.siftdesk.org/articles/images/10714/tables6.png>

[illegible]

<https://www.siftdesk.org/articles/images/10714/tables7.png>



Experiment 2							
	24h-MOCK	24h-PEG			48h-MOCK	48h-PEG	
	0.074212	0.071254			0.078422	0.084496	
	0.076798	0.081256			0.065698	0.0791	
	0.069528	0.072924			0.078282	0.080612	
	0.07693	0.069024			0.073106	0.077466	
	0.070526	0.066278			0.073458	0.077506	
	0.082462	0.068806			0.07348	0.08113	
	0.071314	0.071374			0.075738	0.073764	
	0.066728	0.07673			0.062296	0.078456	
	0.068168	0.05847			0.070448	0.07254	
	0.075922	0.064082			0.07005	0.07812	
	0.079746	0.07578			0.074896	0.06805	
	0.062618	0.082166			0.073464	0.07655	
	0.07214	0.07225			0.069722	0.078998	
	0.07464	0.079062			0.077472	0.07442	
	0.07277	0.073334			0.069562	0.067732	
		0.073334			0.081814	0.090866	
	0.076302	0.07925			0.07655	0.072768	
	0.0855	0.070956			0.079918	0.079354	
	0.079438	0.075466			0.07349	0.078164	
	0.07781	0.08309			0.077786	0.075738	
	0.068368	0.081452			0.065222	0.089744	
	0.070518	0.073262			0.080034	0.073072	
	0.068756	0.07239			0.080316	0.080752	
		0.075618			0.070378	0.079518	
		0.076392				0.082092	
		0.07888				0.073394	
		0.067522				0.07557	
		0.075822				0.079172	
		0.078944				0.075174	
		0.076074				0.081466	
		0.068454				0.081424	
		0.080546				0.090262	
		0.081876					

<https://www.siftdesk.org/articles/images/10714/tables9.png>

	Primer name	Sequence(5'to3')
TaCCR2-9	CCR-DH-F	GCTTCAACAACGTCGTGT
	CCR-DH-R	CTGGCAAACCTCCACCATG
TaCCR5-9	CCRdown-D/C1-F	TGATGGTGCTCTCGCAGAC
	CCRdown-D/C1-R	GGAGACTACCAAGTAGGTGC
TaCCR5-5	CCRdown-C4-F	GCCAAGGATCAATCGCTAGC
	CCRdown-C4-R	TCGCTCCAGTGCAGATG