Table S7. Cytokinin content in KD-CKX1 (5.8; 4.3; 17.10; 21.4) and KO-CKX1 mutant lines (48.1; 39.4; 40.4) of stages 49, 59 and 71.

Stage 49 (booting: first awns visible (in awned forms only))																								
	tZ		tZR		tZ9G		tZMP		cZ		cZR		cZMP		DHZR		iP		IPR		iPMP		iP9G	
Line	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
48.1	14.21	8.12	10.12	3.53	4.36	1.94	20.25	5.21	28.44	2.49	97.40	33.02	52.08	14.04	UD	UD	12.69	4.44	18.80	6.21	8.23	4.43	4.70	2.33
39.4	27.06	13.27	40.43	15.81	17.00	3.51	45.96	17.14	47.67	4.91	104.46	18.52	53.95	6.74	UD	UD	11.74	5.14	26.92	5.10	13.16	2.83	4.12	0.91
40.4	55.86	27.63	25.81	12.21	10.71	3.62	62.59	18.51	39.78	1.96	146.54	59.49	53.25	7.36	UD	UD	17.39	7.78	33.71	10.51	22.36	12.59	8.30	3.75
CTRL1	30.22	20.33	21.11	16.43	6.57	1.97	28.82	9.44	44.33	23.08	91.23	24.09	52.06	12.66	UD	UD	10.39	4.99	20.23	8.14	9.90	6.75	2.63	0.92
CTRL2	29.76	12.71	38.89	11.73	16.80	3.18	49.85	11.31	35.60	3.56	79.93	11.72	40.02	6.83	UD	UD	6.98	1.89	27.26	3.62	10.17	1.96	3.63	0.19
CTRL3	25.97	18.69	22.78	5.75	14.63	4.43	23.68	6.00	42.90	8.71	138.23	68.38	51.80	10.23	UD	UD	8.29	3.72	25.86	6.25	14.68	2.83	5.10	1.27
5.8	43.08	16.73	28.96	15.91	13.45	3.36	49.15	7.57	38.40	3.60	125.50	20.48	55.57	7.31	UD	UD	9.81	4.45	30.98	6.62	15.79	6.03	4.73	1.14
4.3	32.82	21.13	37.66	15.99	13.17	4.12	68.98	23.30	39.40	1.94	152.40	54.71	58.81	15.11	UD	UD	7.72	4.31	30.56	5.61	13.84	2.69	2.43	1.11
17.10	26.53	6.77	37.22	9.31	21.98	6.61	89.08	47.02	48.01	7.22	137.25	38.93	49.01	7.24	UD	UD	5.11	0.79	31.20	5.38	10.74	2.57	3.83	0.81
21.4	14.44	7.43	15.17	7.05	5.79	1.56	33.99	10.67	41.50	25.49	140.89	68.12	56.09	21.87	UD	UD	10.77	4.90	30.12	15.85	13.77	5.27	7.60	4.37
Stage 59 (end of heading: inflorescence fully emerged)																								
	tZ		tZR		tZ9G		tZMP		cZ		cZR		cZMP		DHZR		iP		IPR		iPMP		iP9G	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
48.1	26.45	13.43	38.54	17.93	5.92	1.75	42.78	22.50	31.98	6.27	51.80	8.36	34.60	3.70	3.58	0.86	14.26	7.08	21.88	4.46	15.72	7.77	2.63	0.75
39.4	53.02	15.75	119.47	94.16	18.88	6.15	41.51	20.43	32.93	5.95	65.06	13.08	33.02	3.48	16.14	19.15	8.98	2.79	21.18	5.72	12.00	7.29	1.43	0.58
40.4	146.02	106.52	175.22	117.15	18.98	7.50	100.08	80.19	UD	UD	74.48	5.33	32.42	4.11	22.45	10.59	13.33	9.66	22.01	3.51	8.51	5.91	1.92	0.50
CTRL1	46.99	25.54	75.98	21.13	12.18	4.56	46.13	16.48	28.82	13.50	59.50	10.73	39.80	6.74	4.70	1.78	12.06	7.17	24.74	4.94	17.50	5.22	1.98	0.58
CTRL2	17.84	4.01	68.33	15.73	33.77	7.17	27.22	12.59	28.32	2.11	50.66	11.04	23.02	2.30	7.73	1.26	5.48	1.37	10.30	3.18	8.26	2.01	2.03	0.41
CTRL3	18.35	8.96	42.31	15.74	20.20	7.38	30.87	8.39	20.11	2.45	49.26	17.21	29.15	2.81	5.56	2.51	7.97	2.36	13.38	3.93	11.84	6.17	2.30	1.14
5.8	40.77	9.59	68.97	30.82	19.24	7.48	25.42	9.76	40.03	6.77	89.20	12.40	37.38	2.82	7.39	1.79	13.19	8.85	31.38	7.02	25.21	15.66	2.56	0.62
4.3	6.30	2.37	76.55	18.51	13.64	3.81	43.74	14.12	UD	UD	76.92	17.37	64.31	1.36	9.30	2.56	5.27	0.84	14.90	4.11	15.35	6.85	1.10	0.39
17.10	3.94	2.16	46.75	10.34	29.89	10.73	43.02	16.63	31.85	8.06	53.39	11.71	39.42	8.17	6.53	1.15	5.80	0.46	10.12	2.09	11.18	1.68	2.12	0.35
21.4	10.95	5.96	60.00	21.05	6.56	0.75	15.65	7.51	17.64	1.55	45.37	5.44	33.92	8.54	2.76	0.46	7.69	2.18	8.12	1.83	13.73	3.68	2.58	0.59

Stage 71 (watery ripe: first grains have reached half their final size)																								
	tZ		tZR		tZ9G		tZMP		cZ		cZR		cZMP		DHZR		iP		IPR		iPMP		iP9G	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
48.1	78.52	12.12	244.30	139.68	41.75	10.05	244.79	109.51	UD	UD	126.24	49.88	UD	UD	93.23	35.14	7.33	2.26	7.31	2.94	4.44	2.09	0.58	0.25
39.4	47.13	44.18	331.54	154.21	41.05	30.02	405.92	335.62	UD	UD	UD	UD	UD	UD	73.64	20.87	8.73	2.05	12.89	7.40	5.46	1.89	0.29	0.02
40.4	3042.40	332.50	246.49	32.5	43.25	12.30	299.57	36.80	UD	UD	UD	UD	UD	UD	102.92	35.20	11.32	4.80	17.26	4.80	4.01	1.50	0.14	0.01
CTRL1	27.46	19.78	345.73	59.80	21.54	3.60	37.09	9.23	UD	UD	167.8	18.3	30.67	5.4	23.69	6.02	39.30	16.97	26.73	8.26	4.27	1.67	0.59	0.20
CTRL2	ND	ND	206.44	78.52	51.02	6.70	56.83	21.66	UD	UD	100.33	11.80	UD	UD	18.98	5.46	24.65	0.39	16.79	7.84	3.77	1.19	0.25	0.02
CTRL3	45.05	18.83	458.52	143.78	UD	UD	153.62	113.63	UD	UD	UD	UD	20.60	3.80	39.05	17.82	36.18	11.41	29.56	8.02	4.58	1.37	0.28	0.12
5.8	1395.58	337.49	140.11	49.02	29.98	17.93	43.11	11.25	UD	UD	123.18	28.21	30.55	3.25	32.37	5.85	9.09	2.19	18.47	7.68	4.49	0.67	0.42	0.03
4.3	4349.69	456.50	134.40	54.50	52.38	6.70	76.31	8.50	UD	UD	UD	UD	UD	UD	56.80	15.60	34.02	3.20	13.46	8.90	3.78	1.30	UD	UD
17.10	12.35	2.27	173.08	77.45	30.91	5.80	32.60	4.68	UD	UD	76.36	8.40	UD	UD	28.29	2.34	33.48	2.68	17.06	6.45	4.35	2.16	0.70	0.32
21.4	4.55	1.44	30.83	23.36	51.15	21.75	23.08	7.85	UD	UD	95.75	15.06	30.55	11.46	16.52	3.12	5.77	2.55	9.32	2.36	4.20	1.30	0.39	0.15

Mean values of 8(5) biological replicates ± SD are shown. ND – not determined; UD – under detection limit