

**Supplementary Table S5.** RNA-seq dataset of zein genes expression in 14DAP

Gene ID	annotation	Mc RPKM	V671 RPKM	Mc baseMean	V671 baseMean	FoldChange	p value
AF546187.1_FG001	19 kD alpha zein D1	3284.30	40.68	17962.58	195.23	0.0109	6.22E-34
AF546187.1_FG007	19 kD alpha zein D2	999.04	128.29	5486.63	618.24	0.1127	1.39E-11
AF546188.1_FG007	19 kD alpha zein B3	10255.50	3884.29	56089.66	18641.66	0.3324	0.0002
GRMZM2G008341	19 kD zein	4975.97	1597.12	36399.17	10251.74	0.2816	2.10E-05
GRMZM2G026939	Z1A alpha zein	965.55	365.69	10656.58	3541.64	0.3323	0.0002
GRMZM2G044152	22 kD zein	162.09	406.52	1614.81	3553.84	2.2008	0.0091
GRMZM2G044625	22 kD alpha zein 1-42	7197.70	134.67	56299.13	924.30	0.0164	1.32E-30
GRMZM2G059620	Z1A alpha zein	123.82	46.28	11801.31	3870.08	0.3279	0.0002
GRMZM2G060429	16 kD gamma zein	11236.65	4722.26	91461.14	33728.46	0.3688	0.0007
GRMZM2G086294	15 kD beta zein	15293.15	6375.72	109902.65	40205.71	0.3658	0.0006
GRMZM2G088365	22 kD alpha zein 5	3.62	0.28	29.50	2.03	0.0689	0.0581
GRMZM2G100018	18 kD delta zein	903.50	5125.74	5706.92	28410.40	4.9782	1.22E-07
GRMZM2G160739	22 kD zein	550.78	23.05	21678.02	796.18	0.0367	2.65E-22
GRMZM2G346897	22 kD alpha zein 4	519.05	138.21	4217.00	985.31	0.2337	2.93E-06
GRMZM2G353268	Z1A alpha zein	178.96	52.68	1283.39	331.49	0.2583	5.01E-05
GRMZM2G353272	19 kD alpha zein B1	630.01	203.73	6066.86	1721.50	0.2838	3.46E-05
GRMZM2G397687	22 kD alpha zein	3576.12	328.85	28945.66	2335.67	0.0807	4.59E-15
GRMZM2G404459	19 kD alpha zein B2	1439.73	400.80	22261.20	5438.04	0.2443	2.79E-06
GRMZM2G138727	27kD gamma zein	7403.49	5122.30	118617.92	72015.39	0.6071	0.0845
GRMZM2G138689	50kD gamma zein	1007.42	389.43	10021.28	3399.28	0.3392	0.0003