

Table S4. Genes identified in maize centromeres.

Gene	FPKM root	FPKM shoot	Annotation	<i>Cen</i>	Start	End	Location
GRMZM2G170586	35.99	19.03	protein_coding	2	94266077	94267223	CENH3 depleted
GRMZM2G175425	35.93	1.11	protein_coding	5	102484601	102485399	CENH3 depleted
GRMZM2G038950	19.18	14.52	protein_coding	10	51460608	51469271	CENH3 depleted
GRMZM2G040843	9.86	22.83	protein_coding	10	300326	310785	CENH3 depleted
GRMZM2G101098	22.64	6.06	low_confidence	10	51689475	51694380	CENH3 depleted
GRMZM2G071042	5.37	13.67	protein_coding	4	105880601	105881362	CENH3 depleted
GRMZM5G846522	11.5	6.33	low_confidence	10	51790128	51793293	CENH3 depleted
GRMZM2G409893	8.31	5.71	protein_coding	3	100262600	100300288	CENH3 depleted
GRMZM2G083935	9.15	3.02	protein_coding	2	93759614	93761482	CENH3 depleted
GRMZM2G137715	3.51	2.33	protein_coding	10	51010484	51019069	CENH3 depleted
GRMZM5G820434	0	5.65	low_confidence	2	94301768	94302100	CENH3 depleted
GRMZM2G167167	1.86	2.63	low_confidence	8	49256345	49258696	CENH3 depleted
AC200178.2_FG003	0	3.02	protein_coding	2	94558679	94559149	CENH3 depleted
GRMZM2G523064	0	2.34	low_confidence	10	50951271	50952535	CENH3 depleted
GRMZM2G122088	1.44	0	low_confidence	2	94438906	94440704	CENH3 depleted
CUFF.6520	0	1.33	novel_transcript	2	93848741	93849516	CENH3 depleted
GRMZM2G361718	1.33	0	protein_coding	10	51456481	51458996	CENH3 depleted
GRMZM2G368486	1.08	0	protein_coding	10	50310327	50315148	CENH3 depleted
GRMZM2G326177	0	0	protein_coding	2	93627363	93630442	CENH3 depleted
GRMZM2G038916	0	0	protein_coding	2	94566236	94567332	CENH3 depleted
AC200178.2_FG002	0	0	protein_coding	2	94566238	94566768	CENH3 depleted
GRMZM2G135228	0	0	protein_coding	5	103750694	103752458	CENH3 depleted
AC234517.1_FG005	0	0	protein_coding	8	49642905	49645534	CENH3 depleted
GRMZM5G896790	0	0	protein_coding	8	49714103	49714605	CENH3 depleted
GRMZM2G321072	0	0	protein_coding	8	49868596	49870710	CENH3 depleted
GRMZM2G426703	0	0	protein_coding	8	50174814	50175264	CENH3 depleted

GRMZM2G345194	0	0	protein_coding	8	50459010	50464400	CENH3 depleted
GRMZM2G145909	0	0	protein_coding	10	50588819	50590827	CENH3 depleted
GRMZM2G180454	1.23	0	low_confidence	10	50544569	50544978	CENH3 enriched
AC198028.3_FG001	1.17	0	low_confidence	2	93991336	93991908	CENH3 enriched
GRMZM5G895419	0	0	protein_coding	2	93810893	93811599	CENH3 enriched
GRMZM2G421160	0	0	protein_coding	2	94436682	94436885	CENH3 enriched
AC233900.1_FG002	0	0	protein_coding	3	99978951	99985771	CENH3 enriched
GRMZM2G000411	0	0	protein_coding	5	102196478	102196962	CENH3 enriched
GRMZM2G426140	0	0	protein_coding	5	102549951	102556475	CENH3 occupied
GRMZM2G429781	0	0	protein_coding	5	102570932	102575325	CENH3 enriched
GRMZM2G115127	0	0	protein_coding	5	102581188	102581854	CENH3 enriched
GRMZM2G701752	0	0	protein_coding	5	103419867	103420154	CENH3 enriched
AC198230.4_FG003	0	0	protein_coding	8	49872505	49872997	CENH3 enriched
GRMZM2G100662	0	0	protein_coding	8	50755590	50755835	CENH3 enriched
GRMZM2G061764	0	0	protein_coding	9	52961497	52964749	CENH3 enriched
GRMZM2G069264	0	0	protein_coding	10	50308455	50309427	CENH3 enriched
AC196714.3_FG004	0	0	protein_coding	10	50616674	50621840	CENH3 enriched
