

Supplementary Dataset 3. SNPs information from SNPversity.

Chromosome	Location	Ref	Alt	MQ	Type	Effect	Genemodel
chr1	100470406	T	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb024430
chr1	120053462	G	A	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb026360
chr1	198168469	C	T	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb036550
chr1	21693299	A	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb007310
chr1	232277209	C	T	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb044430
chr1	232277218	C	T	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb044430
chr1	281885099	C	T	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb056940
chr1	281885122	G	A	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb056940
chr1	281885124	A	C	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb056940
chr1	294107836	T	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb066520
chr1	301697138	C	T	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb066130
chr1	47420482	A	G	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb014140
chr2	12612806	A	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb071790
chr2	155177009	C	G	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb093800
chr2	208927157	A	G	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb105710
chr2	214458566	T	C	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb107820
chr2	225583353	G	C	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb112130
chr2	232834418	A	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb114270
chr2	240323011	G	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb117240
chr2	241646841	C	A	MQ=	TYPE=5_prime_UTR_variant,3_prime_UTR_variant	EFFECT=MODIFIER,MODIFIER	GENEMODEL=Zm00001eb117810,Zm00001eb117800
chr2	29376800	C	A	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb077140
chr2	39867034	A	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb079800
chr2	51645650	T	G	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb082590
chr2	9338102	G	C	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb070240
chr3	151302151	G	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb140980
chr3	21228868	A	C	MQ=	TYPE=5_prime_UTR_variant,3_prime_UTR_variant	EFFECT=MODIFIER,MODIFIER	GENEMODEL=Zm00001eb15610,Zm00001eb156110
chr3	216097910	G	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb157320
chr3	225047941	T	C	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb160100
chr3	225346147	T	C	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb160200
chr3	24515288	G	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb125660
chr3	8064756	C	T	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb121570
chr4	161508628	T	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb187340
chr4	16159721	A	G	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb168890
chr4	186157135	G	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb194260
chr4	204933584	C	T	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb199740
chr4	204934807	A	T	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb199740
chr4	222041395	T	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb202560
chr4	234903022	T	G	MQ=	TYPE=5_prime_UTR_variant,premature_start_codon_gain_variant,5_prime_UTR_variant,3_prime_UTR_variant	EFFECT=LOW,MODIFIER,MODIFIER	GENEMODEL=Zm00001eb204470,Zm00001eb204470,Zm00001eb204480
chr4	238320402	C	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb205130
chr4	248765537	A	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb209550
chr4	33315514	C	T	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb172250
chr4	74539366	C	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb178330
chr4	80602381	G	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb179000
chr4	8324819	T	C	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb167520
chr5	10577906	A	G	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb216010
chr5	1206936	T	G	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb210550
chr5	12277409	C	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb216590
chr5	12556547	T	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb216680
chr5	157165607	T	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb239920
chr5	176024793	C	T	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb243620
chr5	182418121	T	A	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb245580
chr5	198246143	G	T	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb250130
chr5	198341182	G	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb250170
chr5	70626783	C	G	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb229700
chr6	110407148	A	G	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb276280
chr6	147316776	T	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb285170
chr6	153729777	A	T	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb286890
chr6	162632708	G	A	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb289570
chr6	177562480	A	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb296760
chr6	46828966	T	C	MQ=	TYPE=5_prime_UTR_variant,3_prime_UTR_variant	EFFECT=MODIFIER,MODIFIER	GENEMODEL=Zm00001eb269960,Zm00001eb266970
chr6	6532633	C	T	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb260400
chr7	169286701	T	G	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb325340
chr7	180327845	G	A	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb329850
chr7	25747316	T	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb304360
chr7	6339053	T	G	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb300250
chr7	87611506	G	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb309370
chr8	149732409	A	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb358930
chr8	153975834	A	G	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb360590
chr8	166563940	C	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb363850
chr8	166603677	T	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb363870
chr8	173191480	A	G	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb366800
chr8	175400583	T	A	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb367930
chr8	175486254	T	G	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb368010
chr8	175486277	T	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb368010
chr8	179273127	T	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb370130
chr8	8181863	G	A	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb342380
chr9	10690588	T	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb373560
chr9	114213148	A	T	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb389810
chr9	15610991	G	C	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb374940
chr9	46090129	G	T	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb381380
chr9	67326318	G	A	MQ=	TYPE=5_prime_UTR_variant,premature_start_codon_gain_variant,5_prime_UTR_variant	EFFECT=LOW,MODIFIER	GENEMODEL=Zm00001eb383260,Zm00001eb383260
chr10	11620880	C	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb411830
chr10	148023740	G	A	MQ=	TYPE=3_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb432340
chr10	87628027	G	A	MQ=	TYPE=5_prime_UTR_variant	EFFECT=MODIFIER	GENEMODEL=Zm00001eb417310