

**Table S1.** Reads mapped to B73 genome

	Mc_rep1 reads	%	Mc_rep2 reads	%	V671_rep1 reads	%	V671_rep2 reads	%
Useful reads	54972158	-	23840595	-	34528630	-	25708241	-
Mapped reads	48180492	87.65%	22472725	94.26%	31583352	91.47%	22661161	88.15
Reads mapped to genes	45943901	95.36%	21532242	95.82	30231111	95.72%	21715702	95.83
Reads mapped to intergene	2236591	4.64%	940483	4.19%	1352241	4.47%	945459	4.35%
Reads mapped to exon	45747971	94.95%	21512749	95.73%	30197612	95.61%	21670396	95.63%