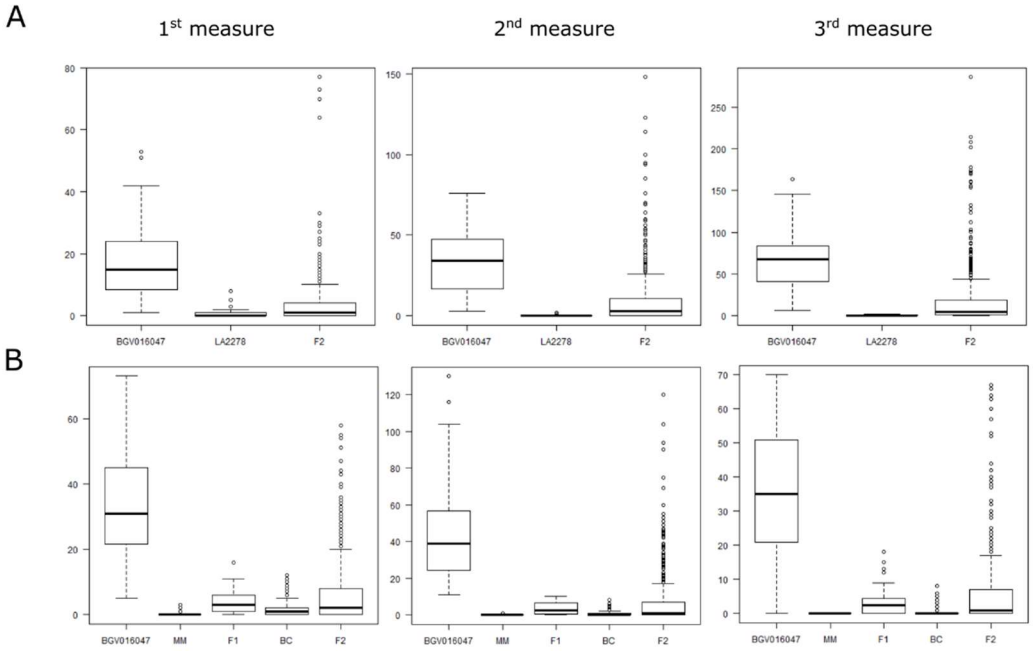
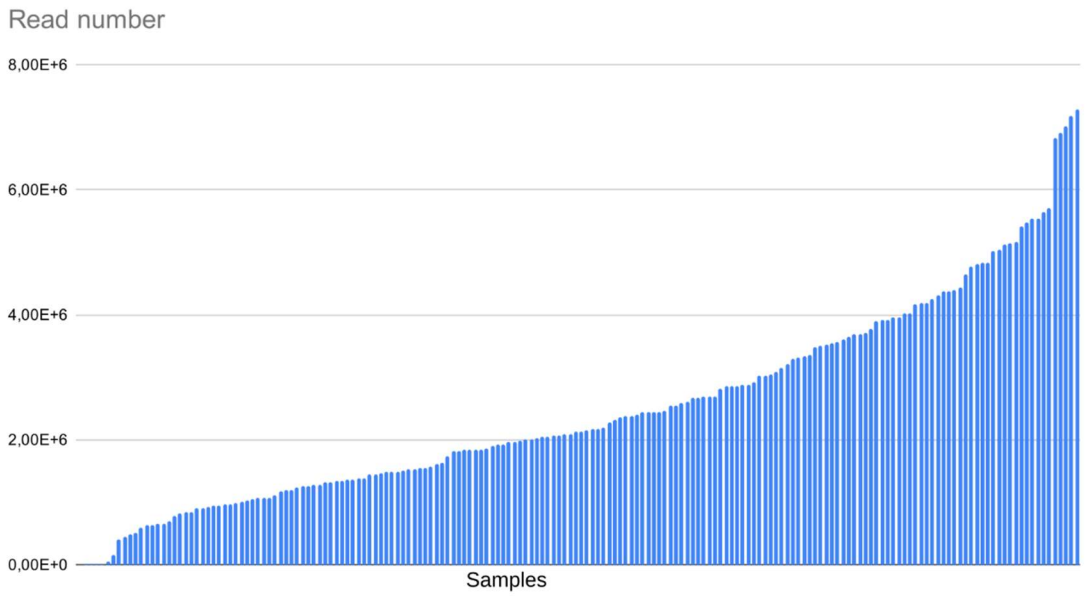
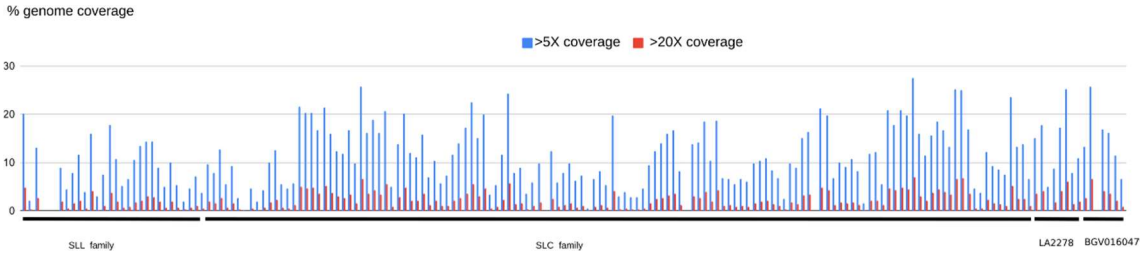
Supplementary figure 1



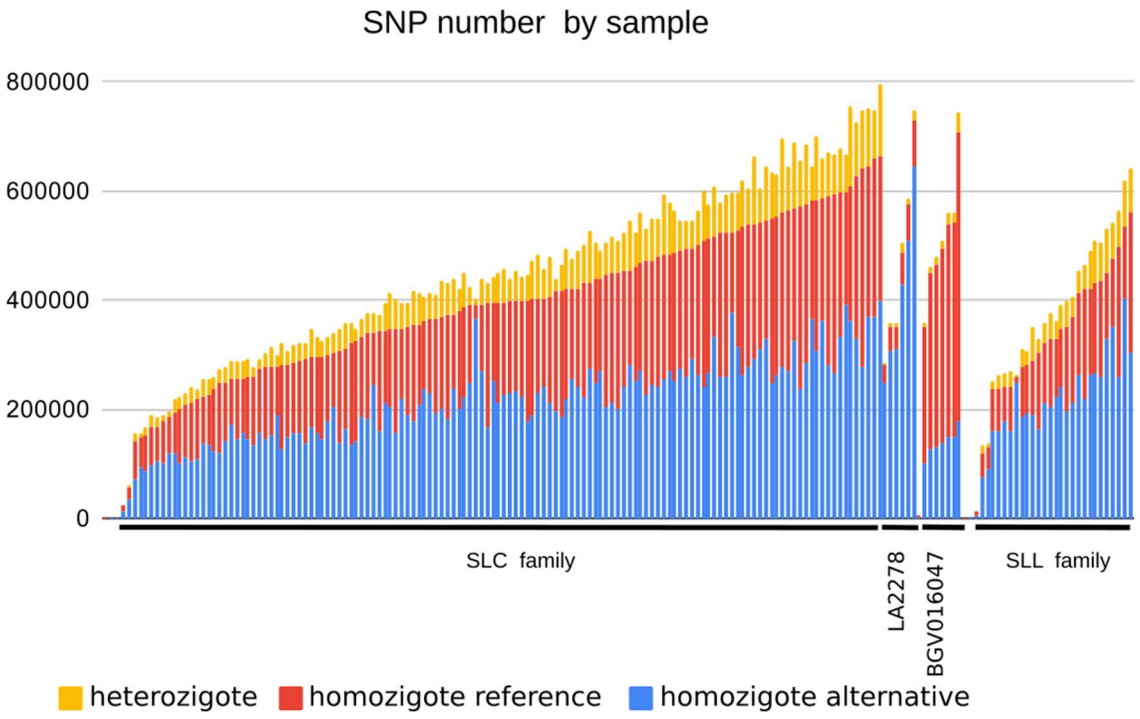
Supplementary figure 2



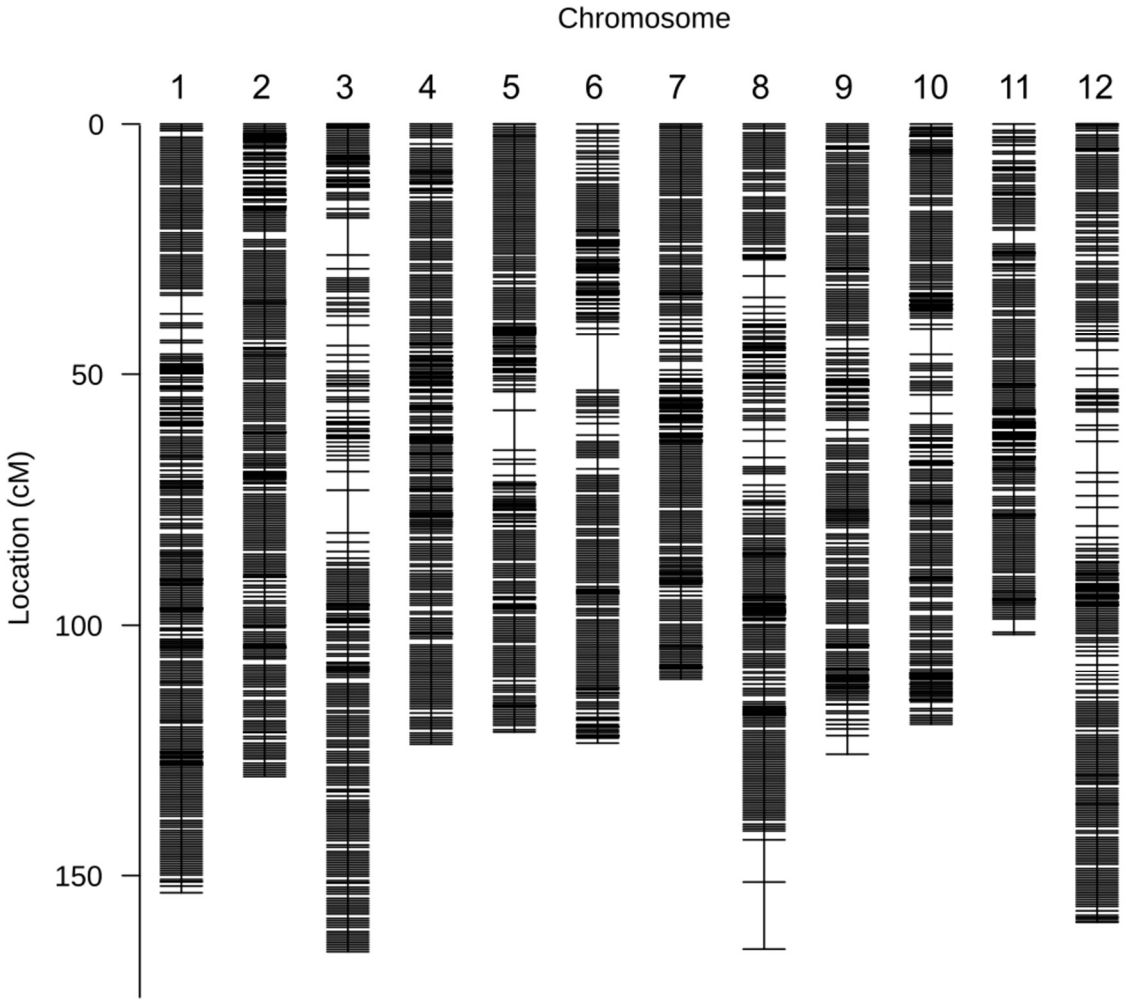
Supplementary figure 3



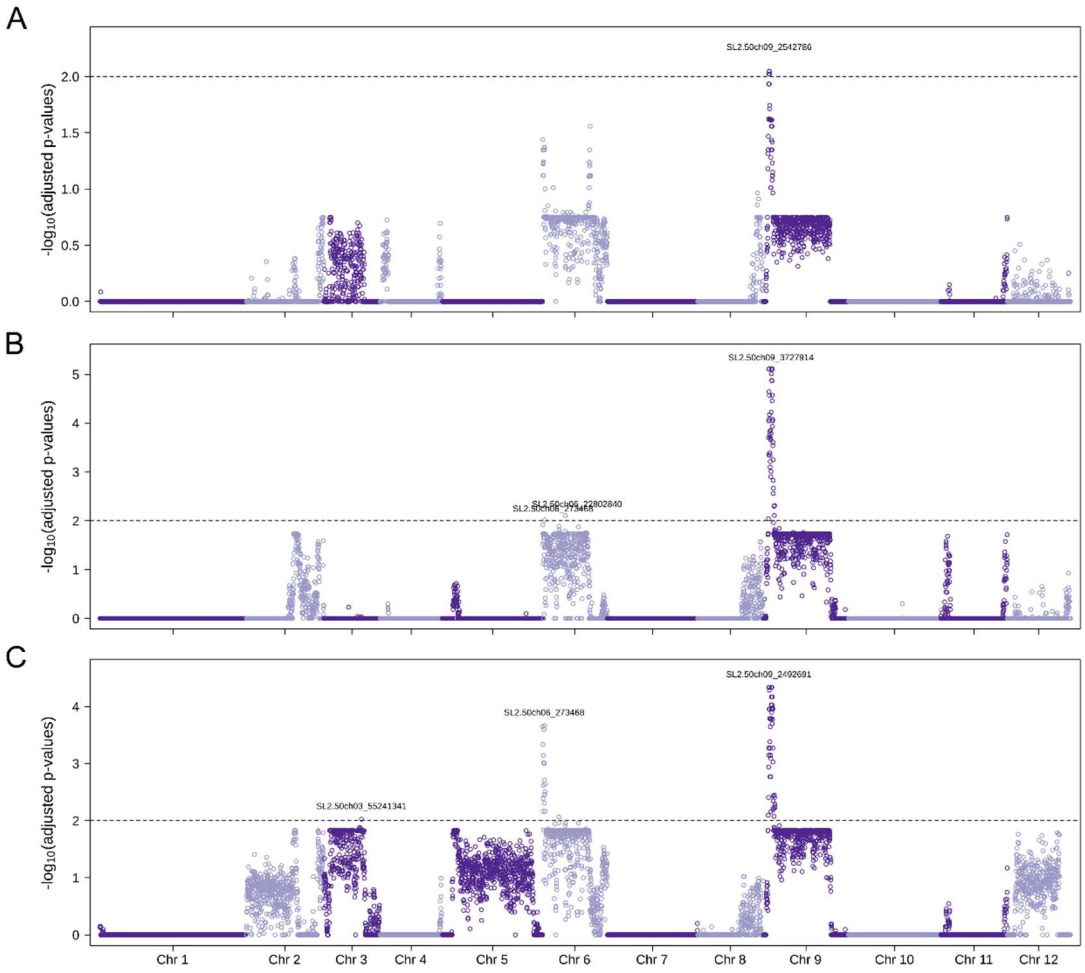
Supplementary figure 4



Supplementary figure 5



Supplementary figure 6



Supplemental file 1

Primers K-seq

adaptF-4T	TCG TCG GCA GCG TCA GAT GTG TAT AAG AGA CAG NNN TCA TCT TC
adaptF-5T	TCG TCG GCA GCG TCA GAT GTG TAT AAG AGA CAG NNN CAA AGA AG
adaptR-5T	GTC TCG TGG GCT CGG AGA TGT GTA TAA GAG ACA GNN NTG TTG ATG

Primers PCR

IDT-8nt-NXT_i7_1	CAAGCAGAAGACGGCATACGAGATACGATCAGGTCTCGTGGGCTC*G*G
IDT-8nt-NXT_i7_2	CAAGCAGAAGACGGCATACGAGATTCGAGAGTGTCTCGTGGGCTC*G*G
IDT-8nt-NXT_i7_3	CAAGCAGAAGACGGCATACGAGATCTAGCTCAGTCTCGTGGGCTC*G*G
IDT-8nt-NXT_i7_4	CAAGCAGAAGACGGCATACGAGATATCGTCTCGTCTCGTGGGCTC*G*G
IDT-8nt-NXT_i7_5	CAAGCAGAAGACGGCATACGAGATTCGACAAGGTCTCGTGGGCTC*G*G
IDT-8nt-NXT_i7_6	CAAGCAGAAGACGGCATACGAGATCCTTGGAAGTCTCGTGGGCTC*G*G
IDT-8nt-NXT_i7_7	CAAGCAGAAGACGGCATACGAGATATCATGCGGTCTCGTGGGCTC*G*G
IDT-8nt-NXT_i7_8	CAAGCAGAAGACGGCATACGAGATTGTTCCGTGTCTCGTGGGCTC*G*G
IDT-8nt-NXT_i7_9	CAAGCAGAAGACGGCATACGAGATATTAGCCGGTCTCGTGGGCTC*G*G
IDT-8nt-NXT_i7_10	CAAGCAGAAGACGGCATACGAGATCGATCGATGTCTCGTGGGCTC*G*G
IDT-8nt-NXT_i7_11	CAAGCAGAAGACGGCATACGAGATGATCTTGCGTCTCGTGGGCTC*G*G
IDT-8nt-NXT_i7_12	CAAGCAGAAGACGGCATACGAGATAGGATAGCGTCTCGTGGGCTC*G*G
IDT-8nt-NXT_i5_1	AATGATACGGCGACCACCGAGATCTACACATATGCGCTCGTCGGCAGCG*T*C
IDT-8nt-NXT_i5_2	AATGATACGGCGACCACCGAGATCTACACTGGTACAGTCGTCGGCAGCG*T*C
IDT-8nt-NXT_i5_3	AATGATACGGCGACCACCGAGATCTACACAACCGTTCTCGTCGGCAGCG*T*C
IDT-8nt-NXT_i5_4	AATGATACGGCGACCACCGAGATCTACACTAACCGGTTCGTCGGCAGCG*T*C
IDT-8nt-NXT_i5_5	AATGATACGGCGACCACCGAGATCTACACGAACATCGTCGTCGGCAGCG*T*C
IDT-8nt-NXT_i5_6	AATGATACGGCGACCACCGAGATCTACACCCTTGTAGTCGTCGGCAGCG*T*C
IDT-8nt-NXT_i5_7	AATGATACGGCGACCACCGAGATCTACACTCAGGCTTTCGTCGGCAGCG*T*C
IDT-8nt-NXT_i5_8	AATGATACGGCGACCACCGAGATCTACACGTTCTCGTTCGTCGGCAGCG*T*C

nucleotides labelled with * have a phosphotioate bond to prevent primer degradation by the DNA polymerase