



Figure S1. The sequence changes of *SiPLA* knockout lines on the target site.

The target site of #5 inserted into base A causing it to undergo frameshift mutations.

The target site of #39 inserted into base C and C causing it to undergo frameshift mutations.

The target site of #44 inserted base G, and the base changed from C to G, but its sequencing results had overlapping peaks, which we thought was a heterozygous mutation.

The target site of #68 inserted into base A, and the base changed from C to G, causing it to undergo frameshift mutations.

The target site of #91 inserted into base A and C causing it to undergo frameshift mutations.

The target site of #101 inserted into base T causing it to undergo frameshift mutations.

The target site of #102 inserted into base C causing it to undergo frameshift mutations.

The target site of #103 was indeed base C, leading to its frameshift mutation.

The sections framed in red represent the inserted and mutated bases.