Question 1:
Fas2[DeltaPB] is reported as a 28bp deletion in the text but is shown as a 34bp deletion in Figure S6 (actually shown as a 33bp deletion but there is a C missing from the sequence relative to the reference sequence). Is the 34bp deletion X: correct?

Answer:
"28bp deletion" as reported in the text is correct. 28bp deletion is X:4139276-4139303.
In figure S6, additional 6 bp (actually 5 bp because of the missing C, shown in red in *fas2$^{PB\ wildtype}$*) were mistakenly deleted (**‒‒‒‒‒‒**). Sequence deletions for *fas2$^{\Delta PB}$* have to be described as shown below in *fas2$^{PB\ wildtype}$* and *fas2$^{\Delta PB\ correct}$*.

```
fas2^ΔPB

fas2^PB wildtype    TAATCCCCATCCCTCGACGAGTGGCGCTGCACCCCTGGCCCAAC
fas2^ΔPB correct    TAATCCCCATCCC---------------------------AAC

fas2^ΔPB in paper   TAATCCC------------------------------------AAC
```

Question 2:
For Fas2[DeltaPB.DeltaTM], for the PB part, I think there's a typo in the Methods. It appears in Figure S6 to be a 9bp deletion, 14 bp insertion in Figure S6 rather than a 14 base deletion and 9 base insertion as described in the methods. (The wt sequence in the region is CGAGTGGCG).

Answer:
You are correct, there is a typo in the Methods. It's actually **a 9 bp deletion** (X:4139291-4139299) **and a 14 bp insertion** (insertion after X:4139290), **correctly shown in Figure S6**. The wt sequence in the region is CGAGTGGCG (X:4139291-4139299).

Question 3:
For the TM part, I can't tell what is going on in Figure S6. The first line shows a one base deletion (as described in the methods) but I don't know what the second line showing two bases deleted is referring to.
The single deleted base is X:4136649. Is that correct?

Answer:
Accidentally, two different alleles of *fas2$^{\Delta TM}$* are shown instead of the sequences *fas2^{TM}* wildtype and the described *fas2$^{\Delta TM}$* mutated allele #1. **For allele #1, the single deleted bp is X:4136649**. Sequences for *fas2$^{\Delta TM}$* in *fas2$^{\Delta PB}$; fas2$^{\Delta TM}$* have to be described as shown below:

```
fas2^ΔTM in fas2^ΔTM ; fas2^ΔPB
fas2^TM wildtype    TACTCTGCTGCATCACCGTCCACATGGGCGTC
fas2^ΔTM allele#1   TACTCTGCTGCATCACCGT-CACATGGGCGTC
```

Allele accidentally shown in Figure S6:
```
fas2^ΔTM allele#2   TACTCTGCTGCATCACCGTC--CATGGGCGTC
```