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Aa- A T W N M Y N T Y R L E M T L T V L D L I A I F P N Y D P E K Y P I

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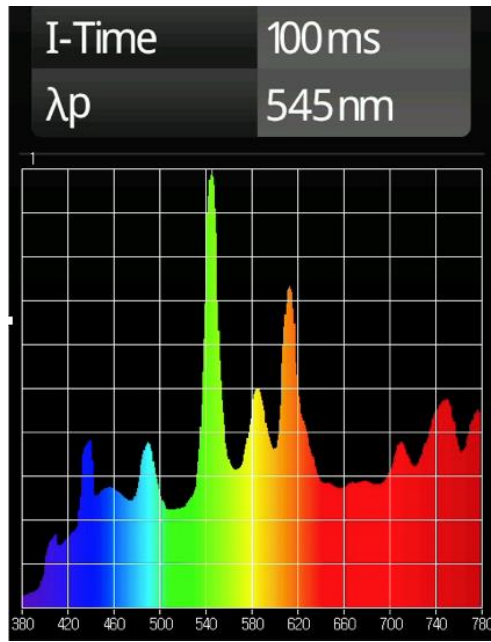
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Aa- M D F R V R F L K N V S R Q V R I R Y A T N A P K T T V F L T G

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Aa- I P I T Q S V L D Y T E K Q N I E K T Q K I V N D L F V N

Supplementary figure 1. Original (Or) and optimized (Op) sequences of the *cry10Aa* gene from *B. thuringiensis* serovar *israelensis*, along with their corresponding amino acid (Aa) sequence. Changes in the optimized nucleotide sequence are shown in capital letters.



Supplementary figure 2. Light spectrum used for maturation of somatic embryos and plant regeneration of coffee, *C. arabica*.