

Table S1: Firefly / Renilla activity ratio of the tested vectors determined by GraphPad Prism.

Type of vector	Firefly/Renilla Ratio
pGL4.23 [luc2/minP] vector containing full intron 3	0.0513
pGL4.23 [luc2/minP] vector containing partial intron 3	0.0383
Non-cloned pGL4.23 [luc2/minP] vector	0.0283
Renilla control vector (pRL-SV40)	0.00015

Table S2: The standard deviation of the tested vectors determined by GraphPad Prism.

Type of vector	Standard deviation
pGL4.23 [luc2/minP] vector containing full intron 3	0.022
pGL4.23 [luc2/minP] vector containing partial intron 3	0.015
Non-cloned pGL4.23 [luc2/minP] vector	0.007
Renilla control vector (pRL-SV40)	0.0002

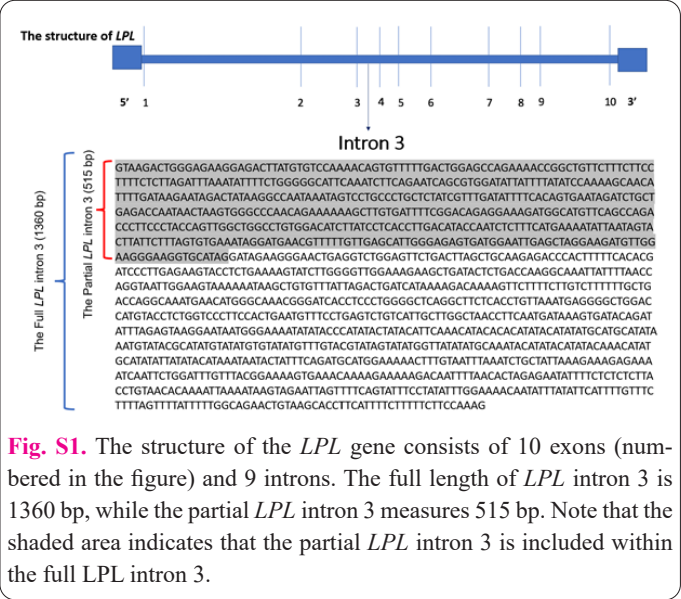


Fig. S1. The structure of the *LPL* gene consists of 10 exons (numbered in the figure) and 9 introns. The full length of *LPL* intron 3 is 1360 bp, while the partial *LPL* intron 3 measures 515 bp. Note that the shaded area indicates that the partial *LPL* intron 3 is included within the full *LPL* intron 3.

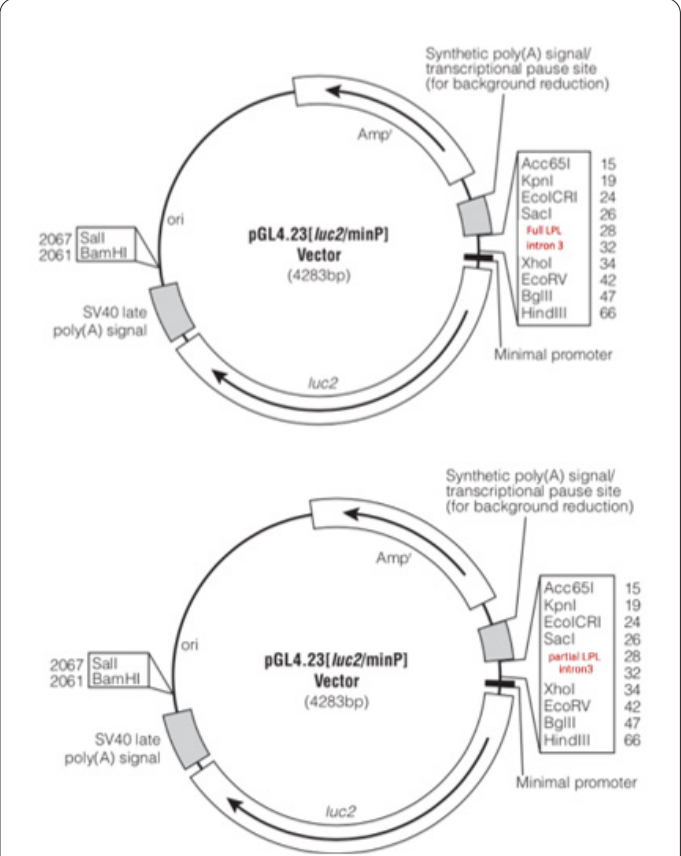


Fig. S2. Map of pGL4.23[luc2/minP] vector including the cloned (A) full and (B) partial *LPL* intron 3 (between Sall & XhoI restriction sites). Image modified from Promega, catalogue no. E841A .

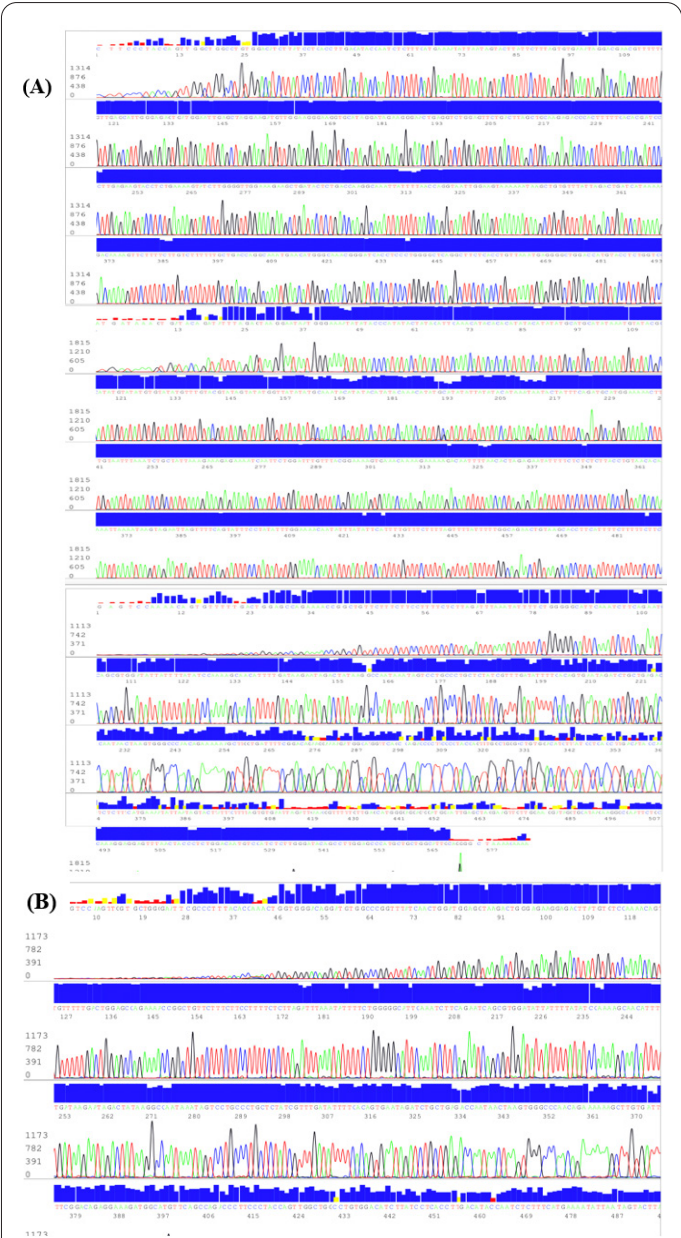


Fig. S3. Electrophoretogram of cloned and desired (A) full and (B) partial fragments of *LPL* intron 3 using the forward primers of intron 3. Blue bars indicate that the quality of the generated nucleotide sequence data was > 95%.

