

Fig. 8a. 5-LOX mRNA expression in SZ95 sebocytes (488 bp). The expression of the enzyme seemed to be upregulated in the presence of CaI.

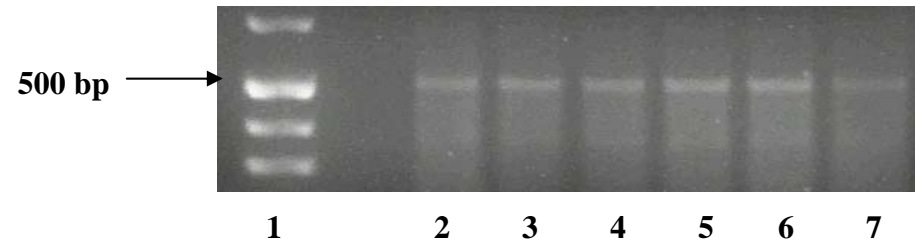


Fig. 8b. 15-LOX-1 mRNA expression in SZ95 sebocytes (521 bp). The intensity of the signal of the bands was weaker than that of 5-LOX.

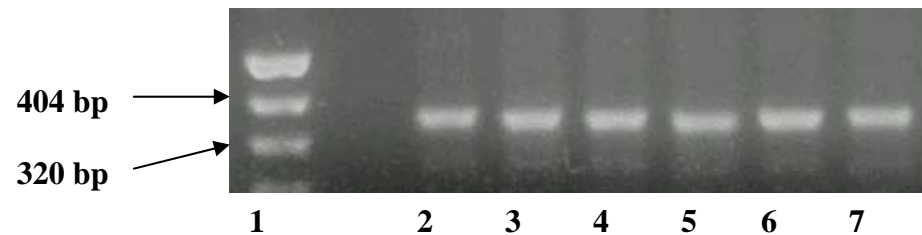


Fig. 8c. LTA₄ hydrolase mRNA expression in SZ95 sebocytes (378 bp). The expression of the enzyme was much stronger than the expressions of 5- and 15-LOX.



Fig. 8d. Beta-glucuronidase mRNA expression in SZ95 sebocytes (336 bp). The enzyme was used as housekeeping gene

RT-PCR analysis: SZ95 sebocytes after 1 h incubation. Lanes: 1. Molecular weight marker; 2. Untreated cells; 3. Cells treated with AA (100 μ M); 4. Cells treated with CaI (0.1 μ M); 5. Cells treated with AA (100 μ M) and CaI (0.1 μ M); 6. Cells treated with CaI (1 μ M); 7. Cells treated with AA (100 μ M) and CaI (1 μ M). 8 μ l of each RT-PCR product was mixed with 2 μ l loading dye (5X) and then the samples were run in 2% agarose gel containing ethidium bromide. The bands were visualized after UV-light exposure. In the case of 5- and 15-LOX, 20 μ l of each sample and 5 μ l dye were loaded, instead of 8 and 2 μ l, respectively.