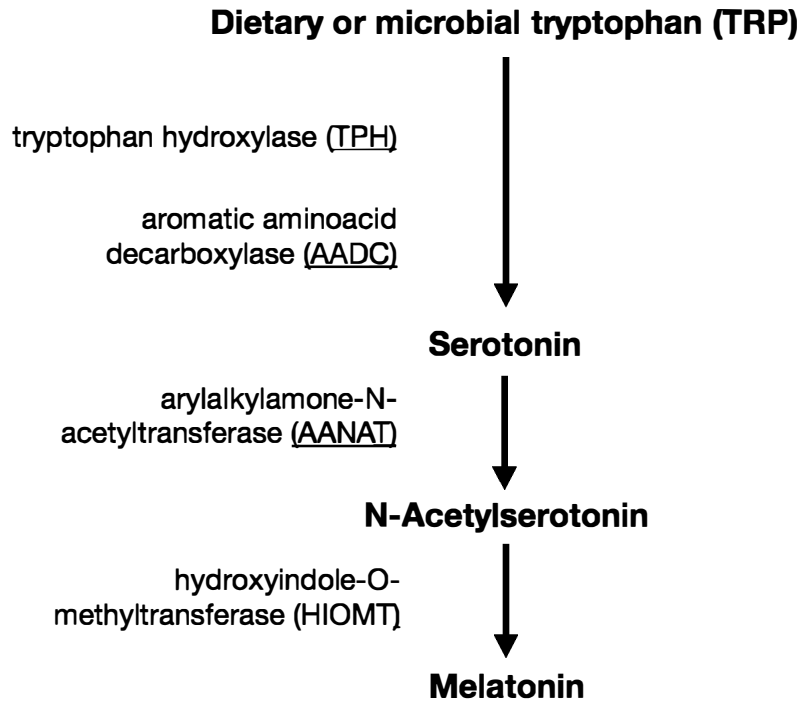
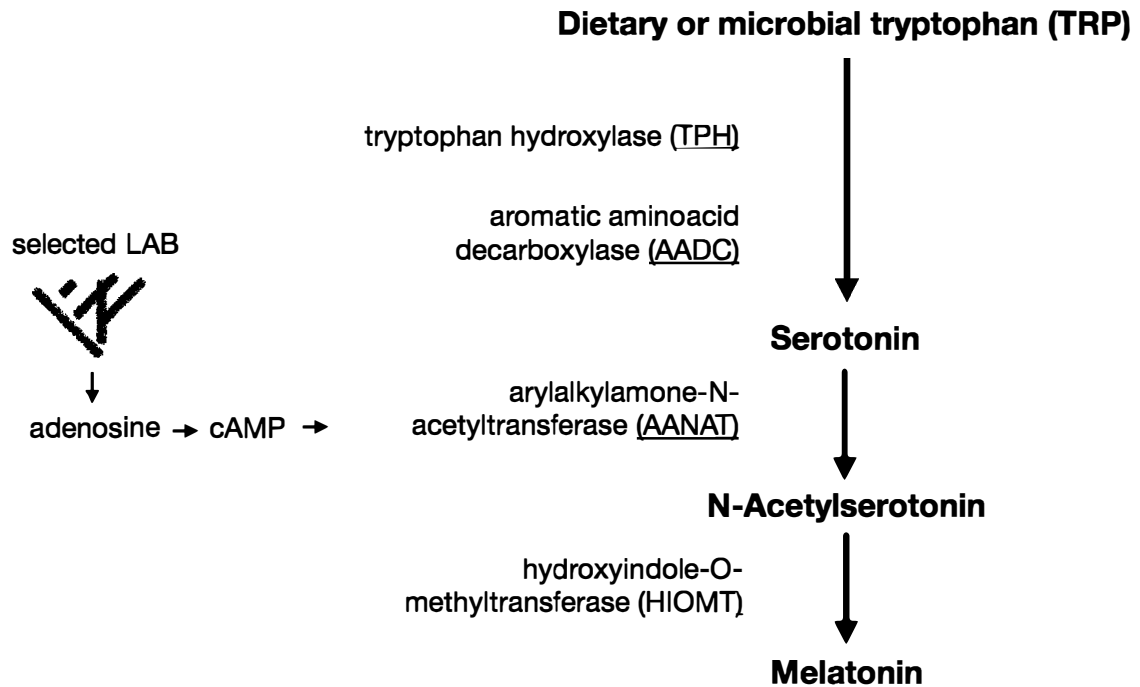




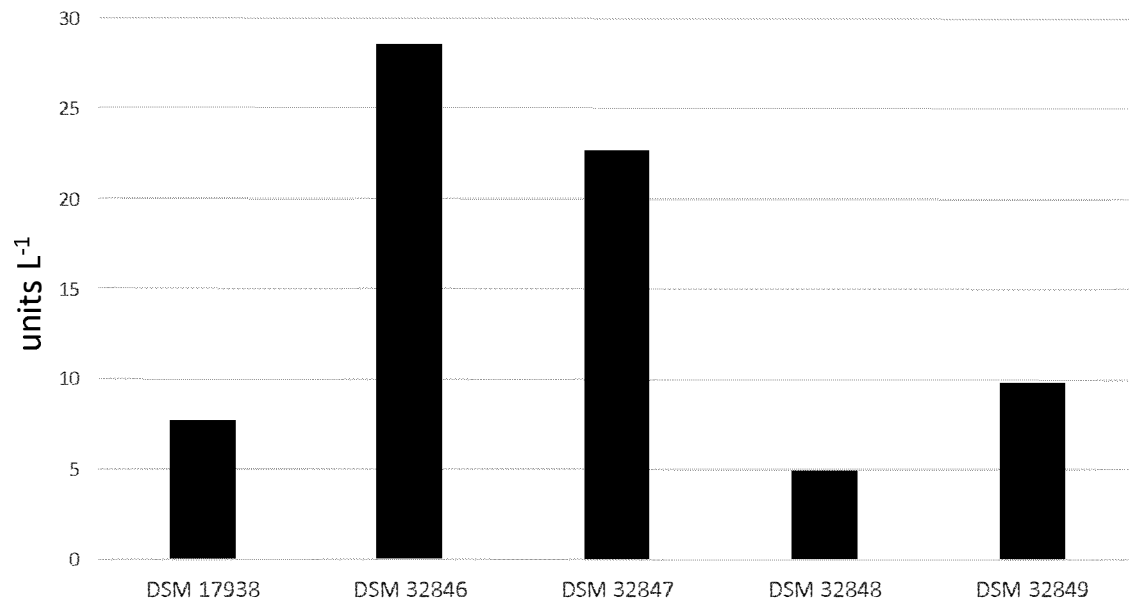
The rate of melatonin formation depends on the activity of enzymes AANAT and to a lesser extent of TPH

Fig. 1



Adenosine increases intracellular cAMP levels via adenosine receptor, which increases the production of AANAT, the rate limiting enzyme in melatonin synthesis.

Fig. 2



5'-nucleotidase activity. Analysis of supernatants of bacterial cultures with the concentration 10^9 bacteria per ml

Fig. 3

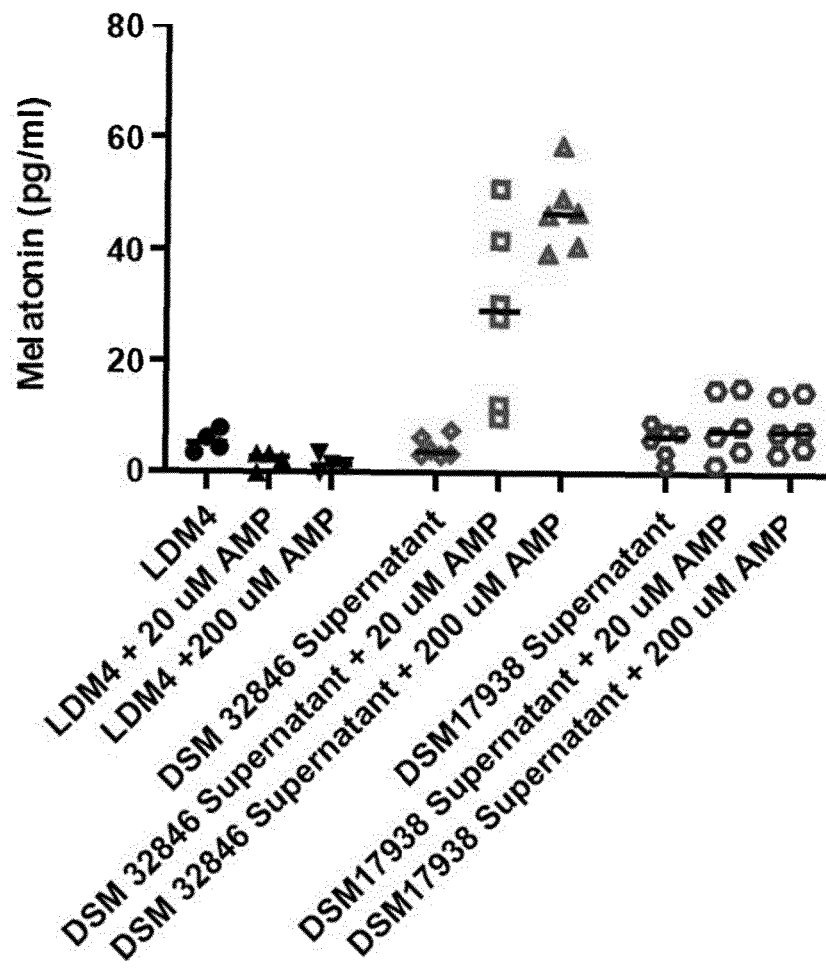
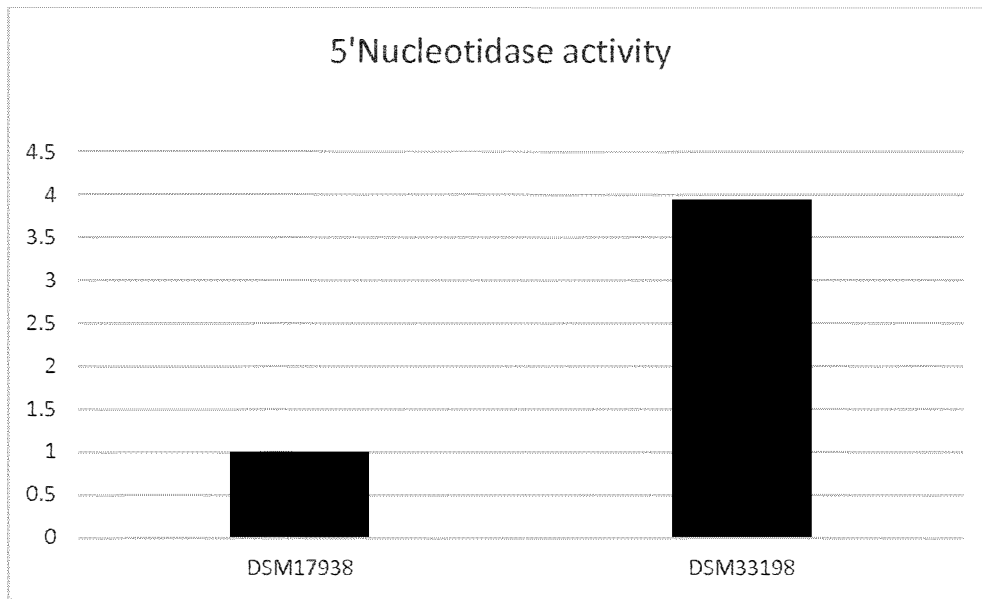
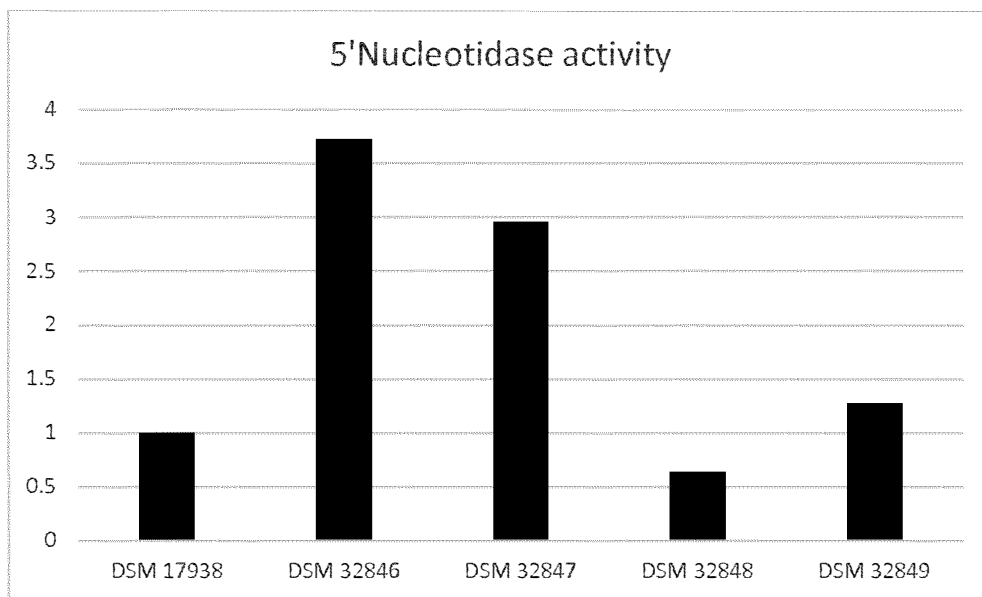


Fig. 4



A



B

Fig. 5