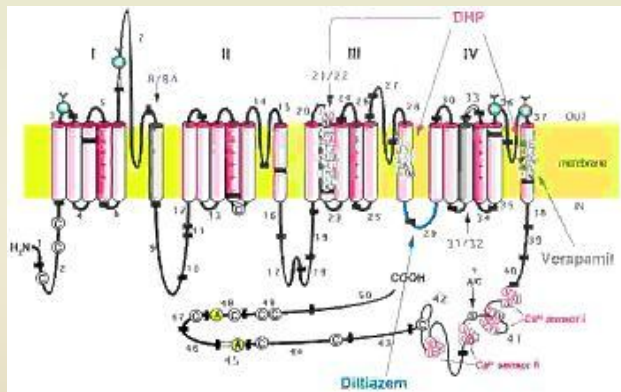


## Introduction

Egg needs a stable temperature:

The heat should be sensed and transferred from the chest skin to trigger the blood flow regulation

Temperature receptors are a group of TRP channels



### Aim:

Are there any morphological changes in the brood patch skin?  
Are TRP channels up regulated during the incubation?

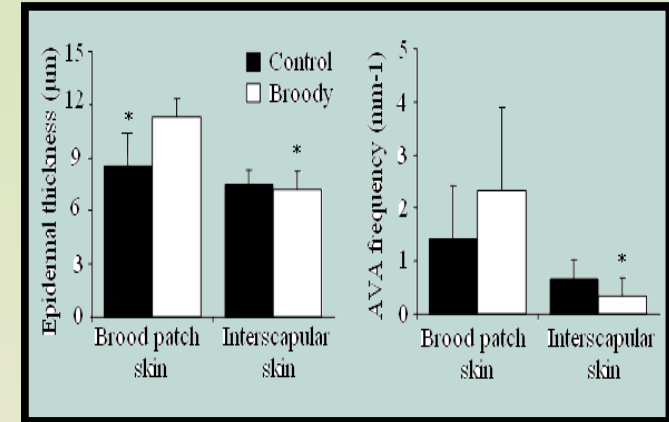
**Although considerable morphological changes in the skin of broodpatch could be seen during the incubation, the tested thermoTRP channel's expression did not show significant change**

Are TRP channels so specific to some parts of skin?

Is TRP channels' regulation only in the early stages of incubation?



## Results



broody hens brood patch skin compared to back skin (interscapular) and brood patch skin of non incubating hens had:

More vessels,

Larger vessels,

Thicker epidermis

