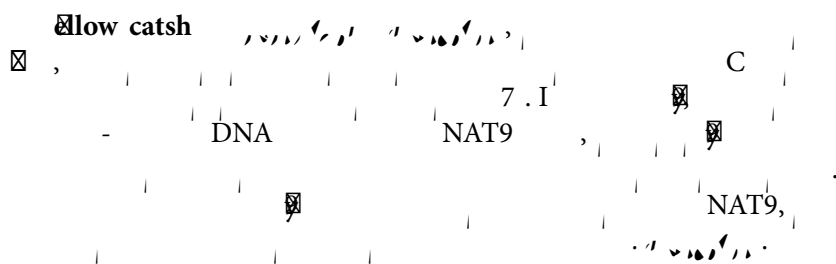


Keywords: Test studies reported that NAT9 was highly expressed in human brain and gonad and specically expressed in the heart, spleen, gonad of adult mouse. Northern blot in situ hybridization showed that NAT9 specically expressed in rat and mouse embryo brains and in stage chicken embryo brain. These results suggest that NAT9 may play important roles in the development of embryonic brain and adult brain and gonad function. As above reports, NAT9 is an important reproduction related gene. Although NAT9 gene was found has expression in human, rat, cattle and other animals, this gene expression in yellow catsh has not been reported yet. Whether NAT9 gene is associated with the reproductive traits in yellow catsh is still unknown.



Materials and Methods

RNA isolation

Yellow catsh, C, A, B

Citation: Han MM, Lu JG, Wang L, Peng LN, Mahboob S, et al.

NCBI BLAST H HDR1 H HDR2
MEGA 6.0

Statistical analysis

RT-PCR SPSS
(IBM, C SA).
2-CT
(SE)
P 0.01. S

Results

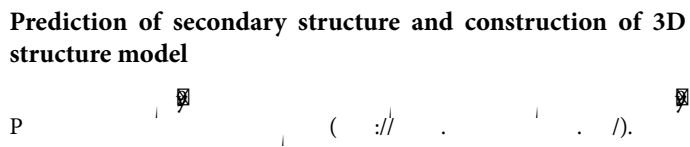
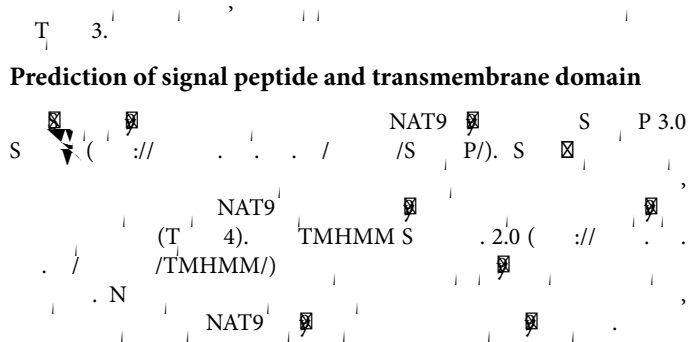
Phylogenetic analysis of the NAT9 gene

A NAT9 (NJ)
(F 1 2). D P
A P
T NAT9 NAT9
NAT9 222
NAT9 NAT9
(81%) (91%), A (83%), D
(81%) (F 2).

Tissue expression of NAT9 gene

Q NAT9 PCR
NAT9 10
NAT9
NAT9
(F 3).

Analysis of the physicochemical properties



8. Yu M, de Carvalho LP, Sun G, Blanchard JS (2006) Activity-based substrate