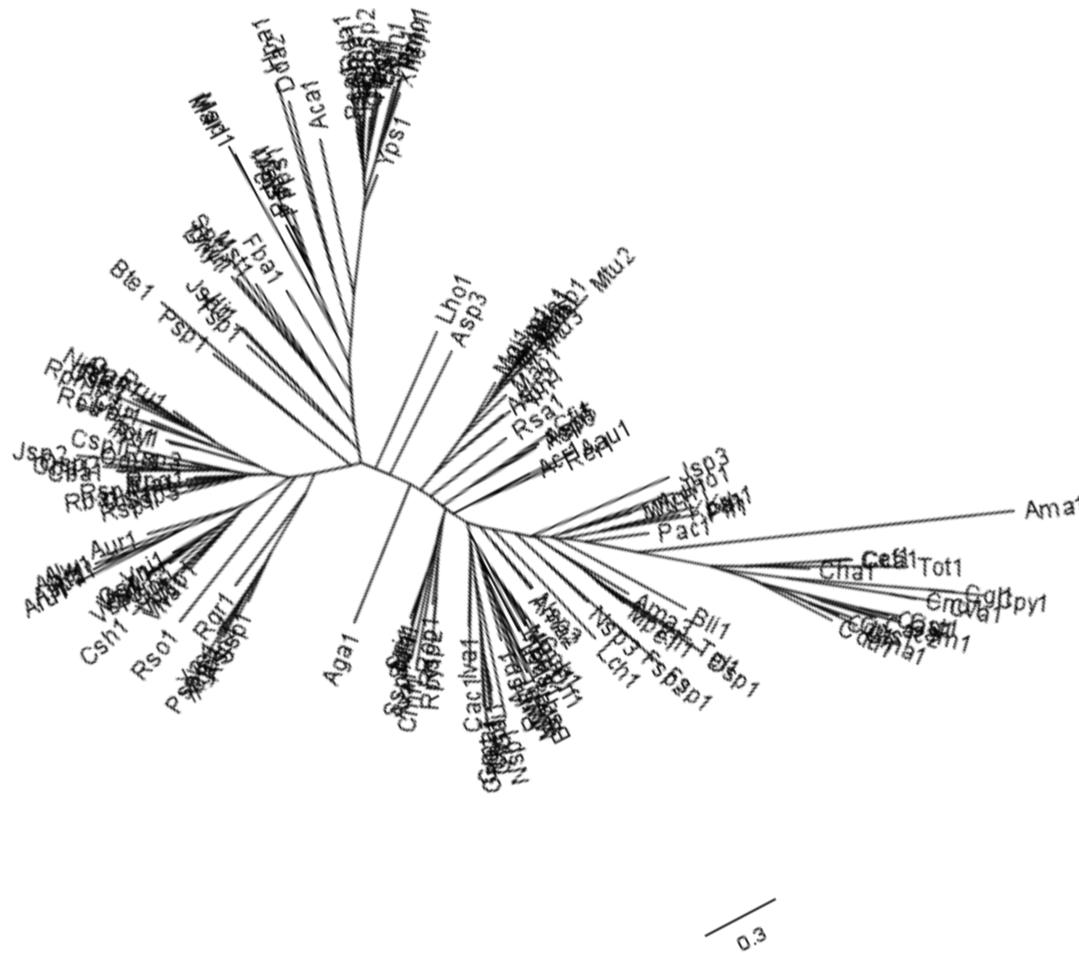


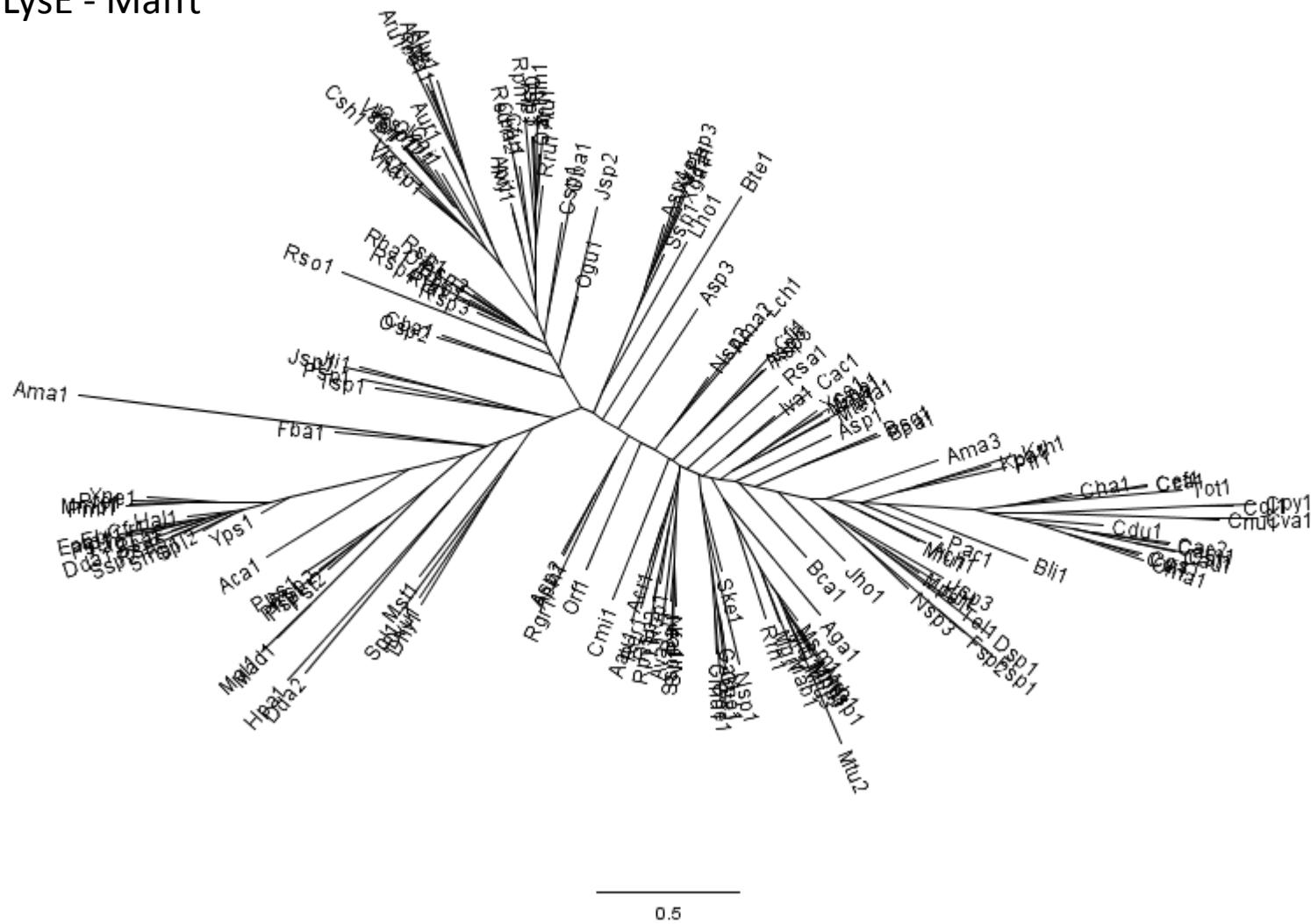
**Fig. 18A**

# LysE - Clustal



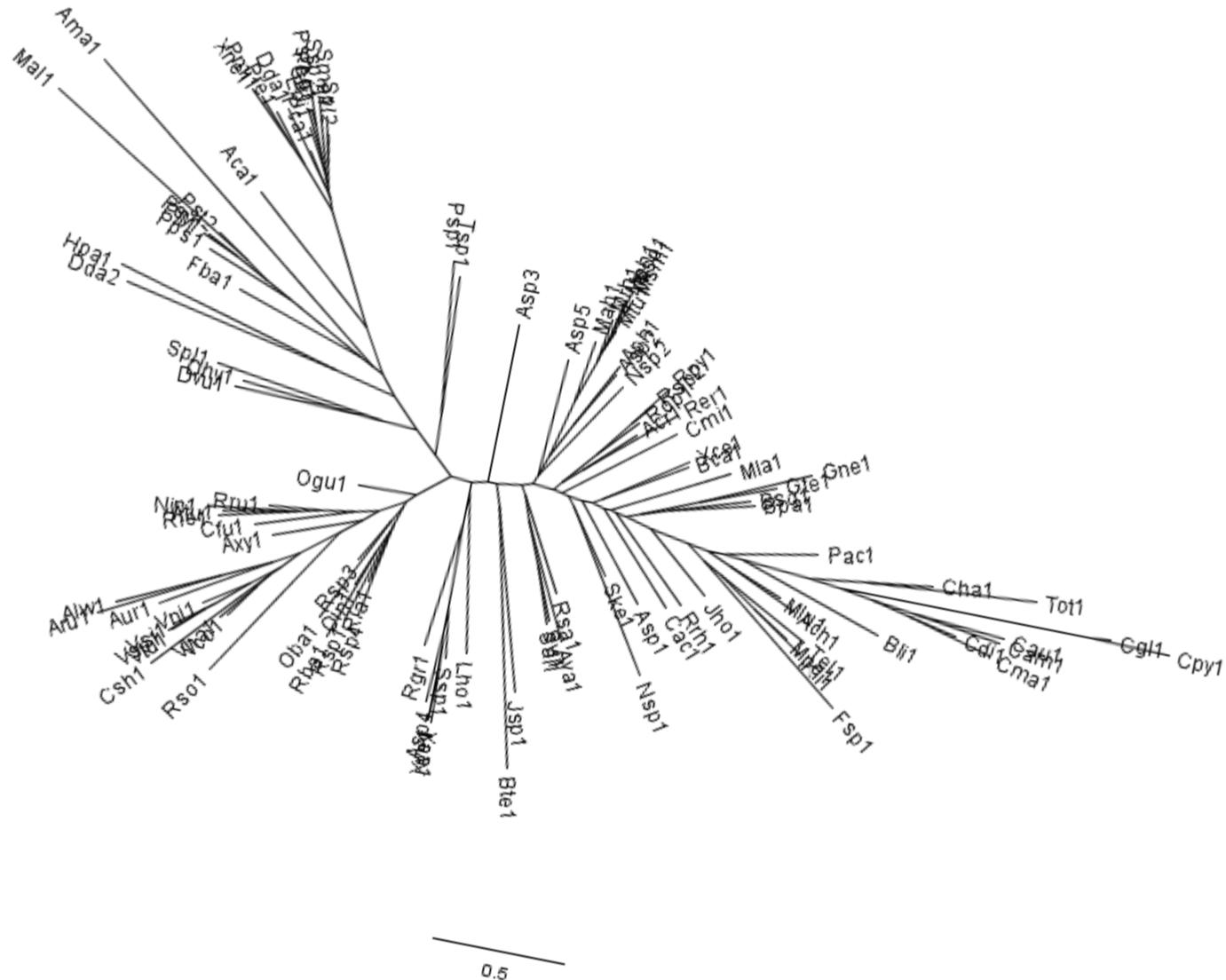
**Fig. 18B**

LysE - Mafft



**Fig. 18C**

LysE - ProbCons



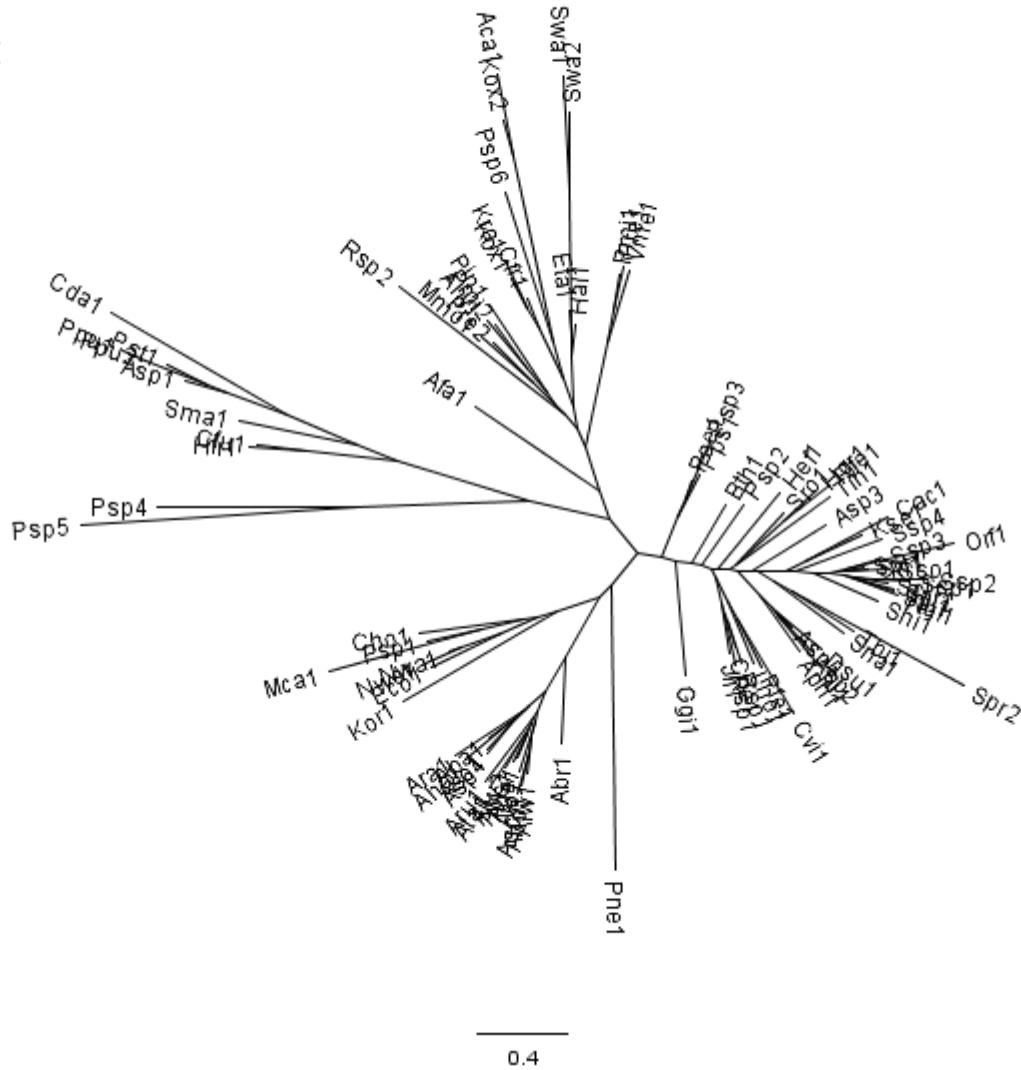
**Fig. 19A**

# RhtB - Clustal



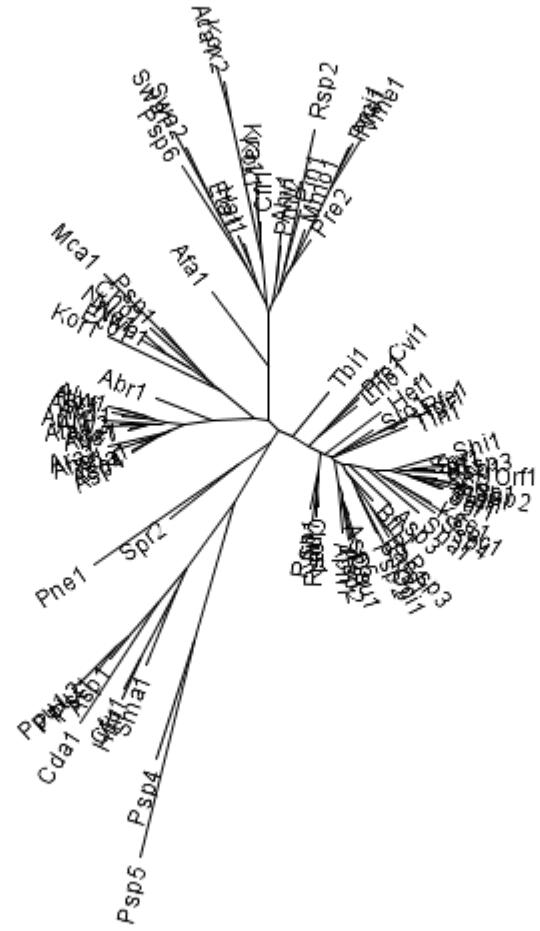
**Fig. 19B**

RhtB - Mafft



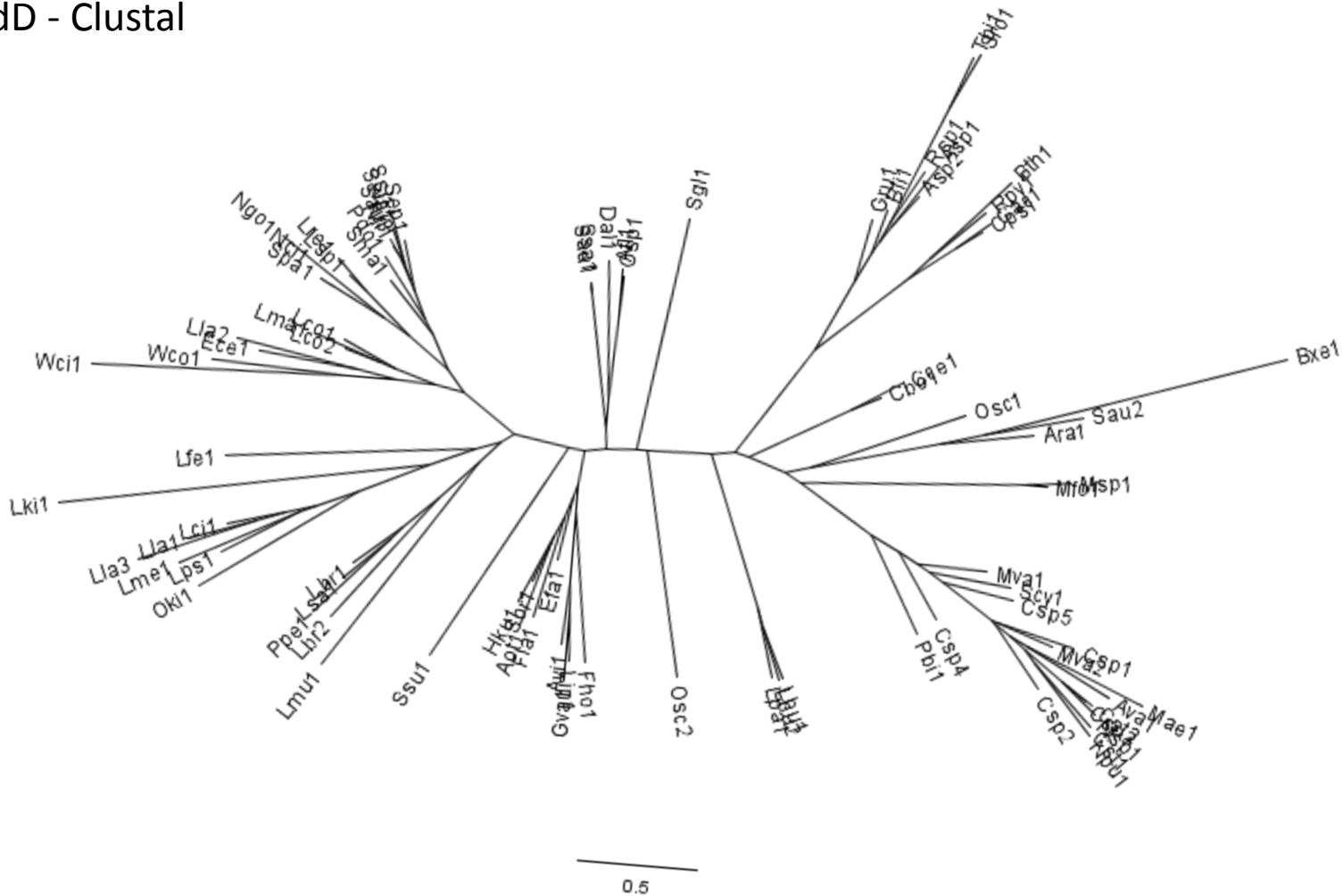
**Fig. 19C**

# RhtB - ProbCons



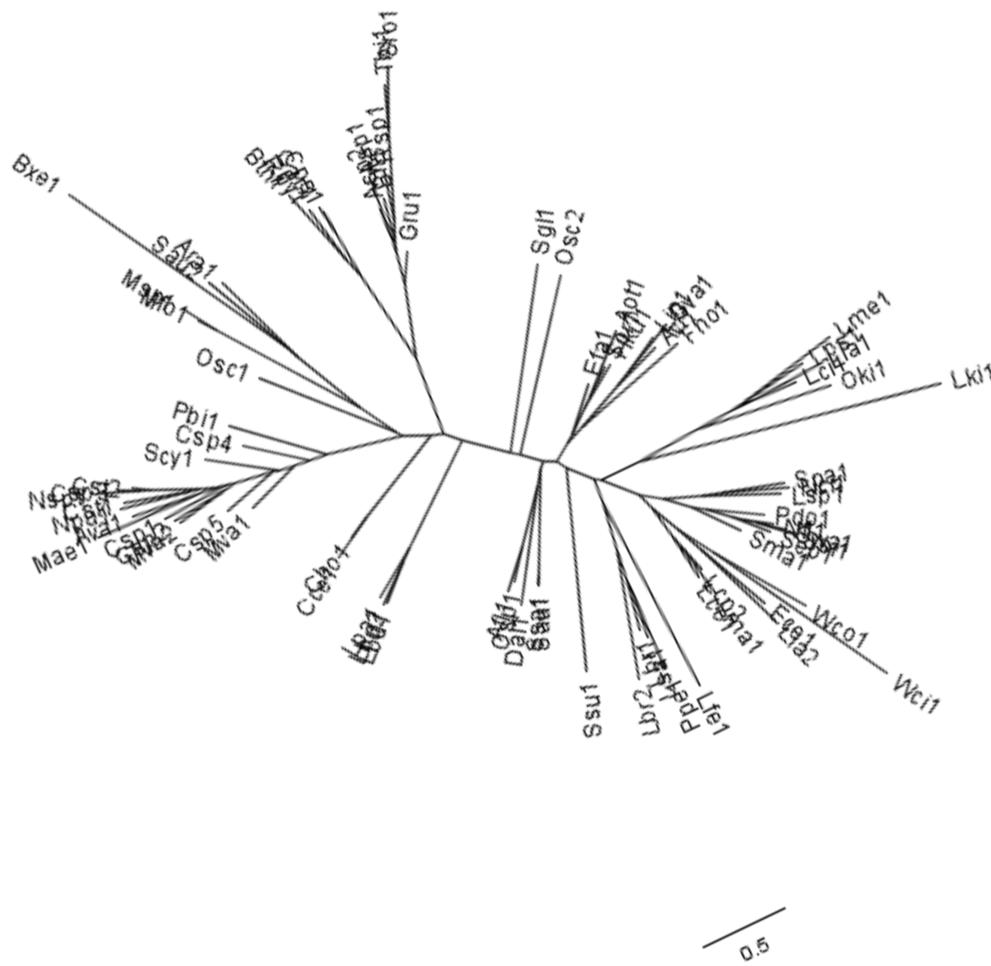
**Fig. 20A**

# CadD - Clustal



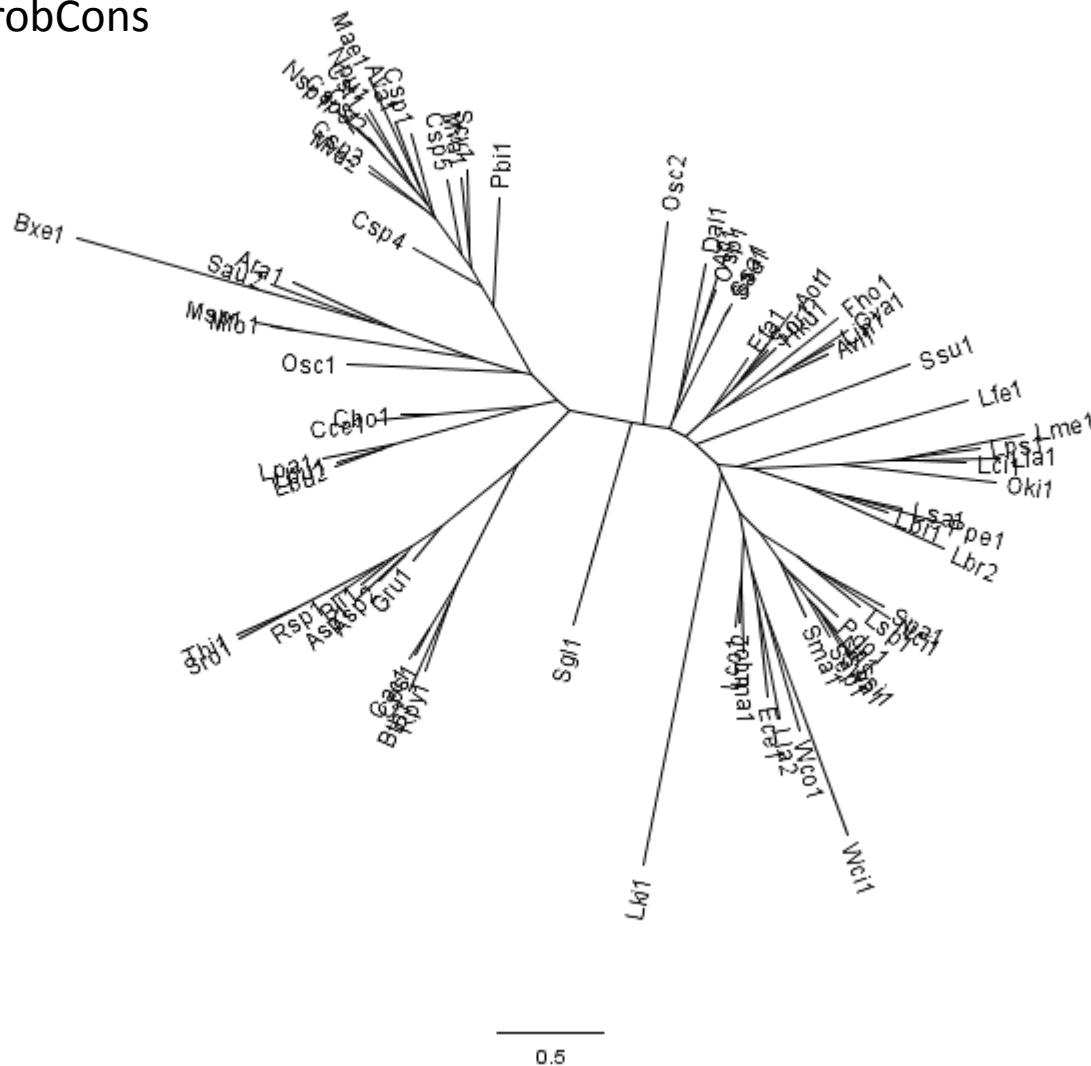
**Fig. 20B**

CadD - Mafft



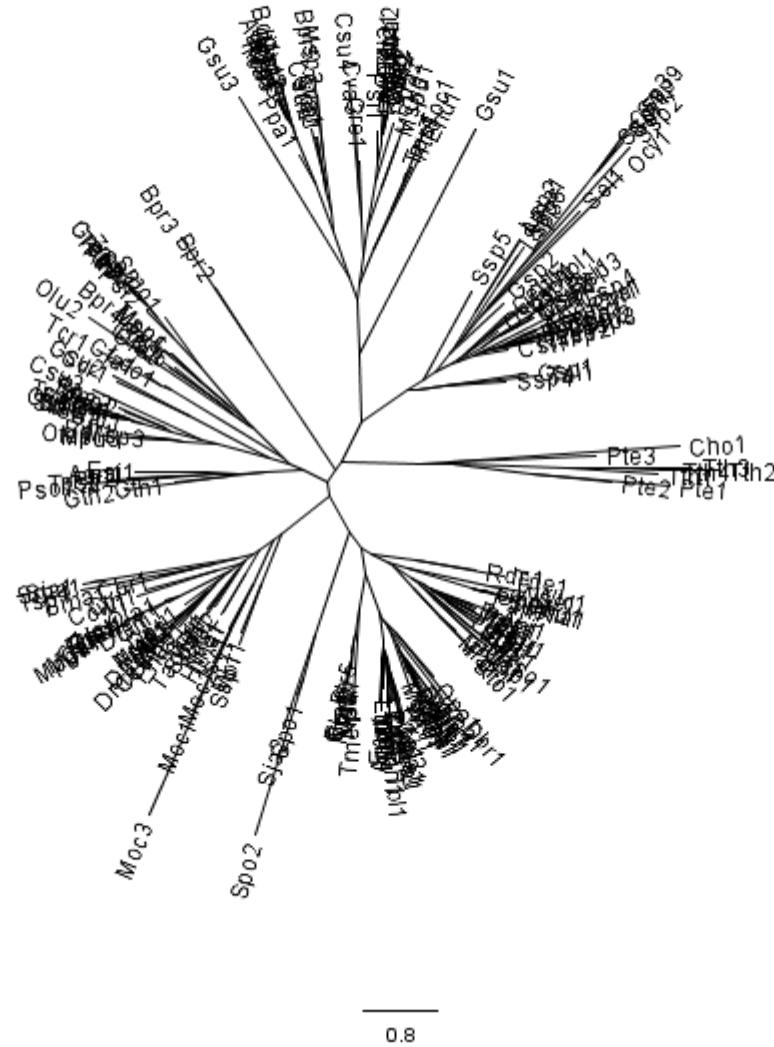
**Fig. 20C**

CadD - ProbCons



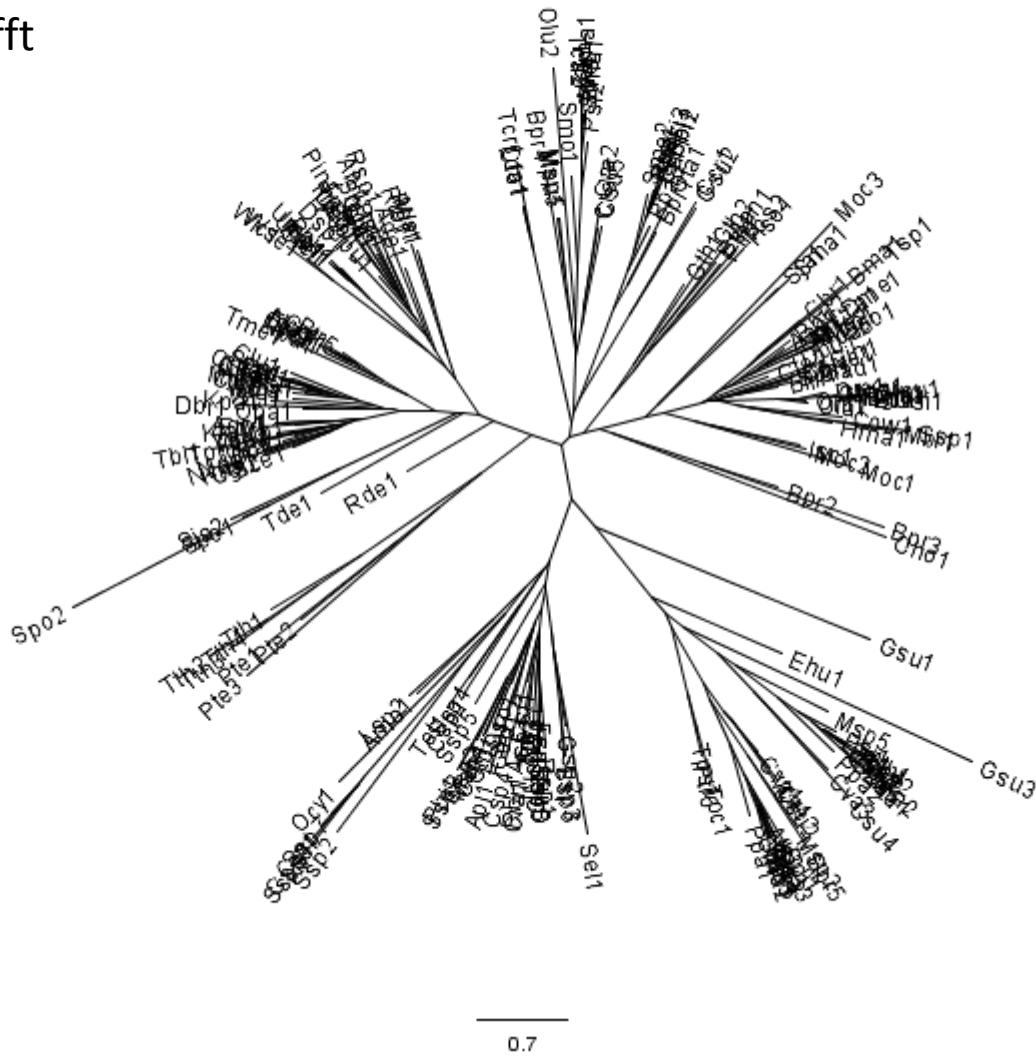
**Fig. 21A**

# CaCA2 - Clustal



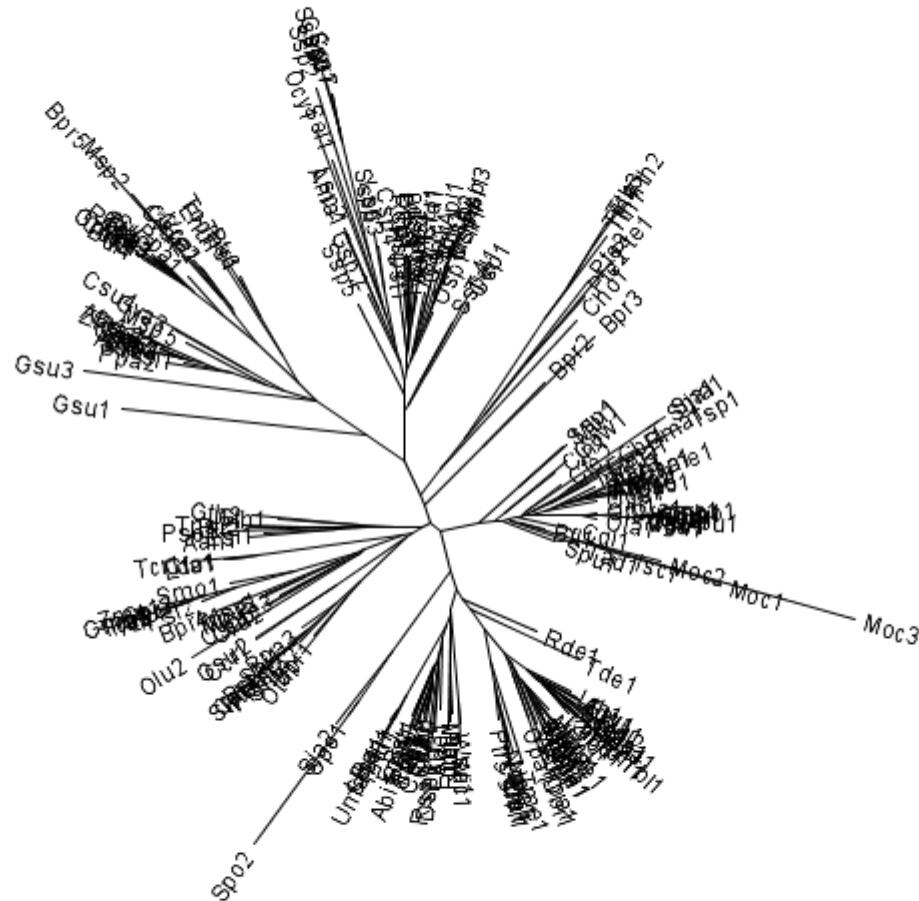
**Fig. 21B**

# CaCA2 - Mafft



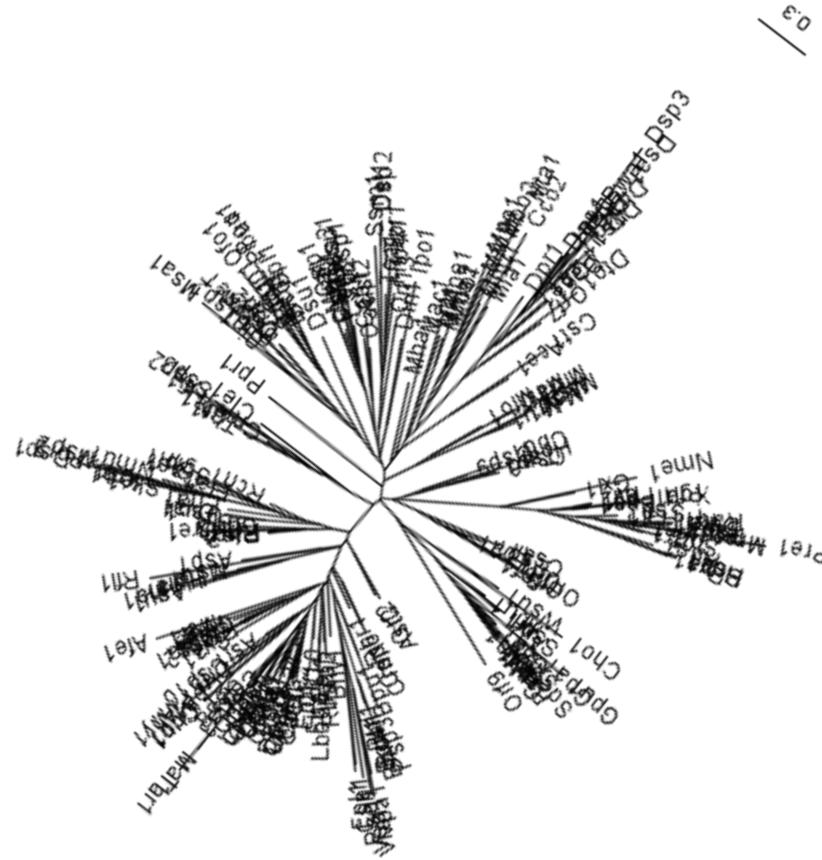
**Fig. 21C**

CaCA2 - ProbCons



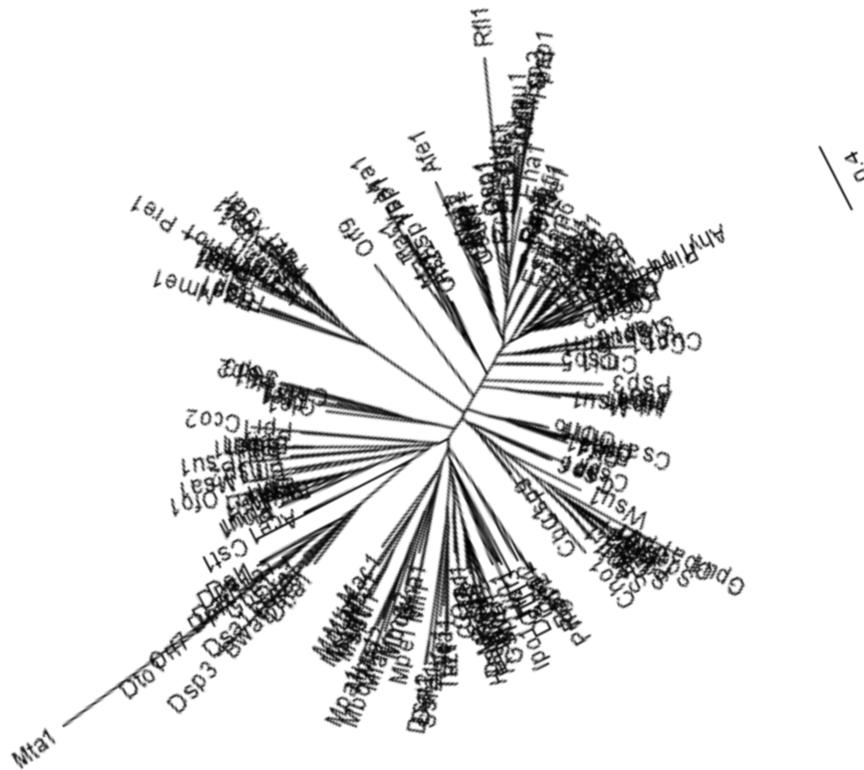
**Fig. 22A**

## MntP - Clustal



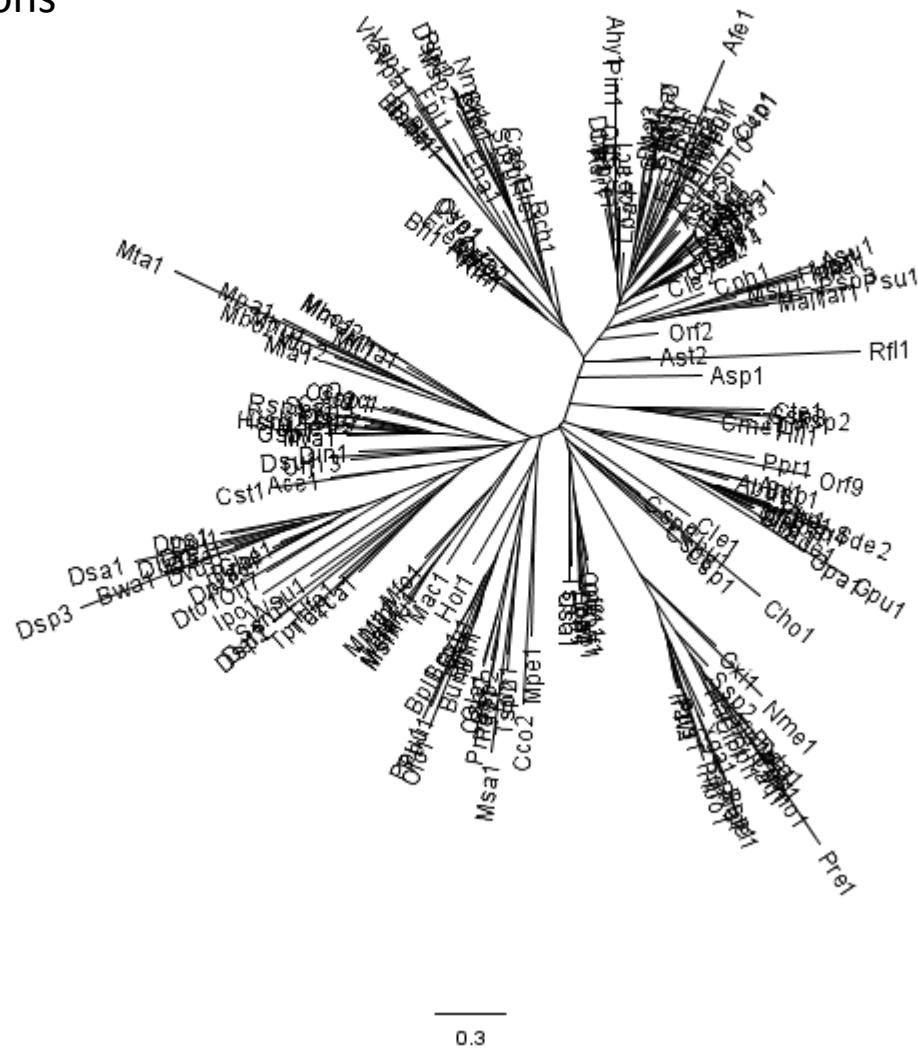
**Fig. 22B**

MntP - Mafft



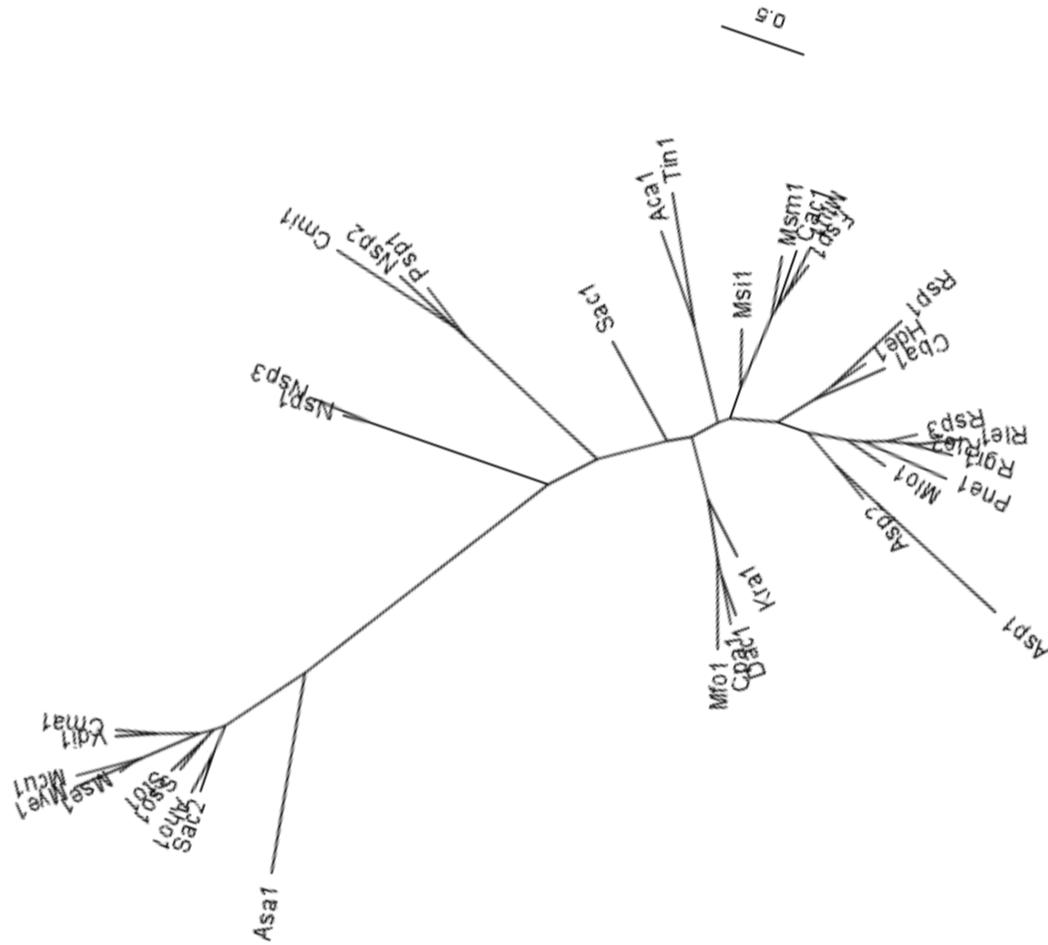
**Fig. 22C**

# MntP - ProbCons



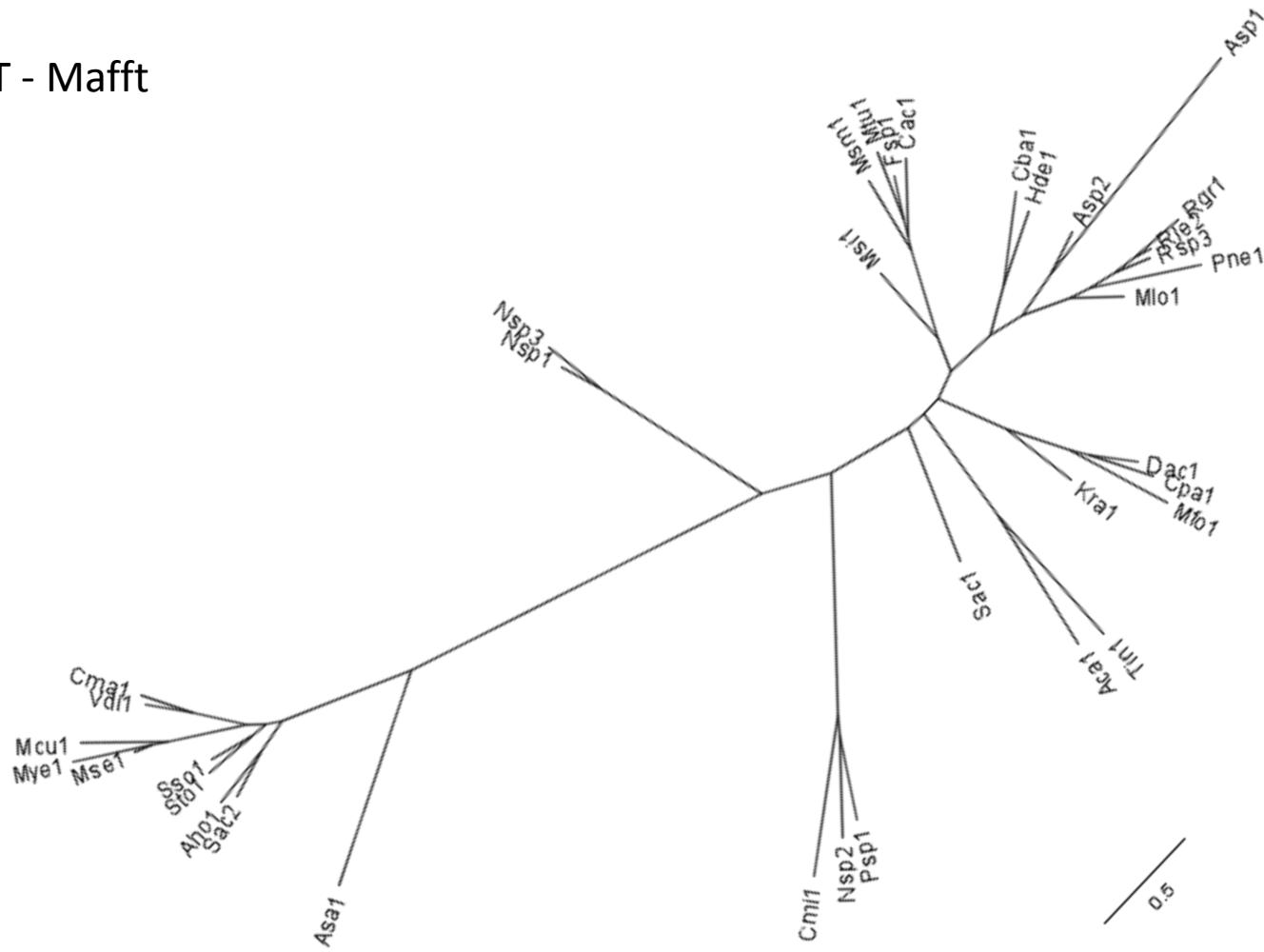
**Fig. 23A**

ILT - Clustal



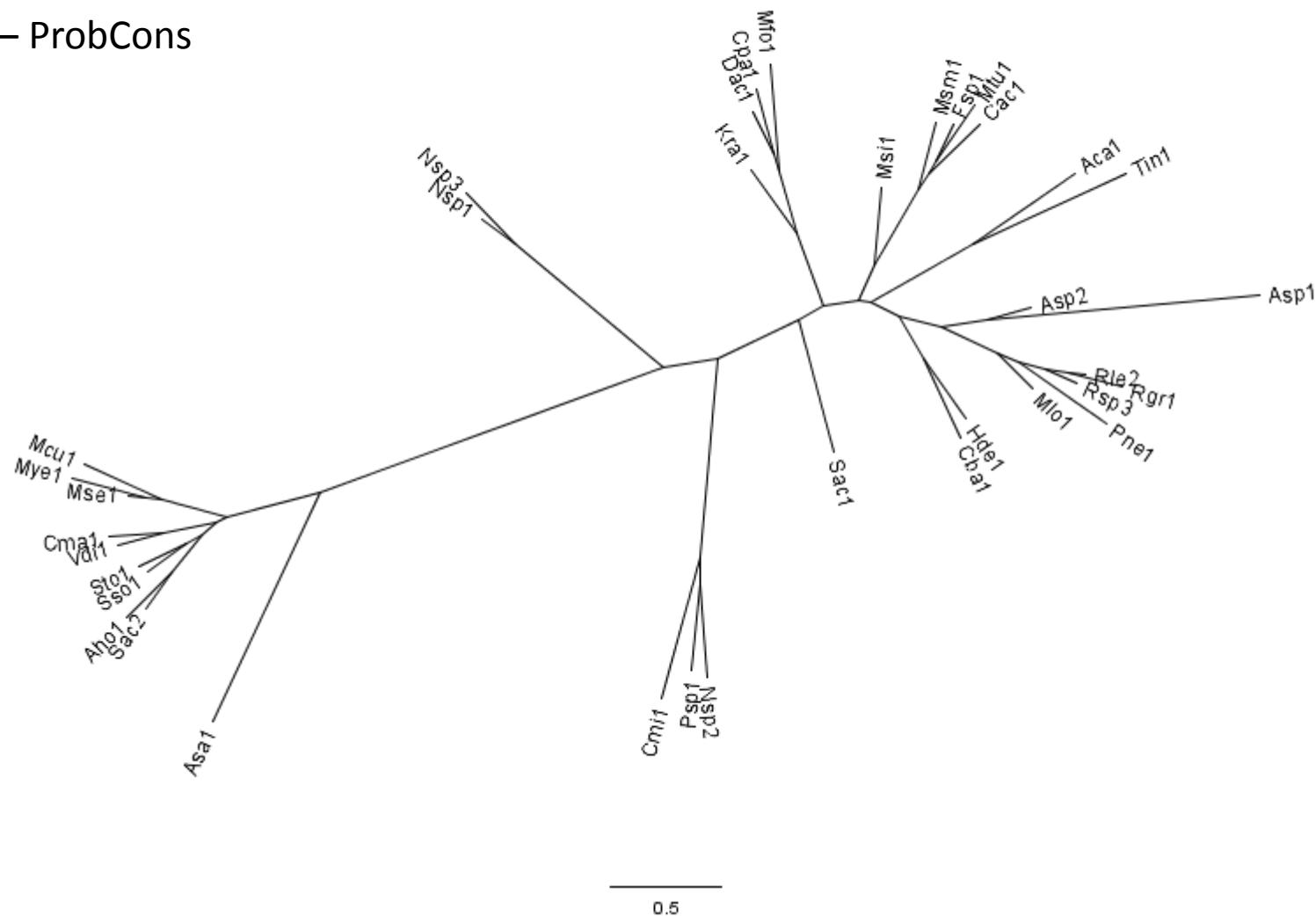
**Fig. 23B**

ILT - Mafft



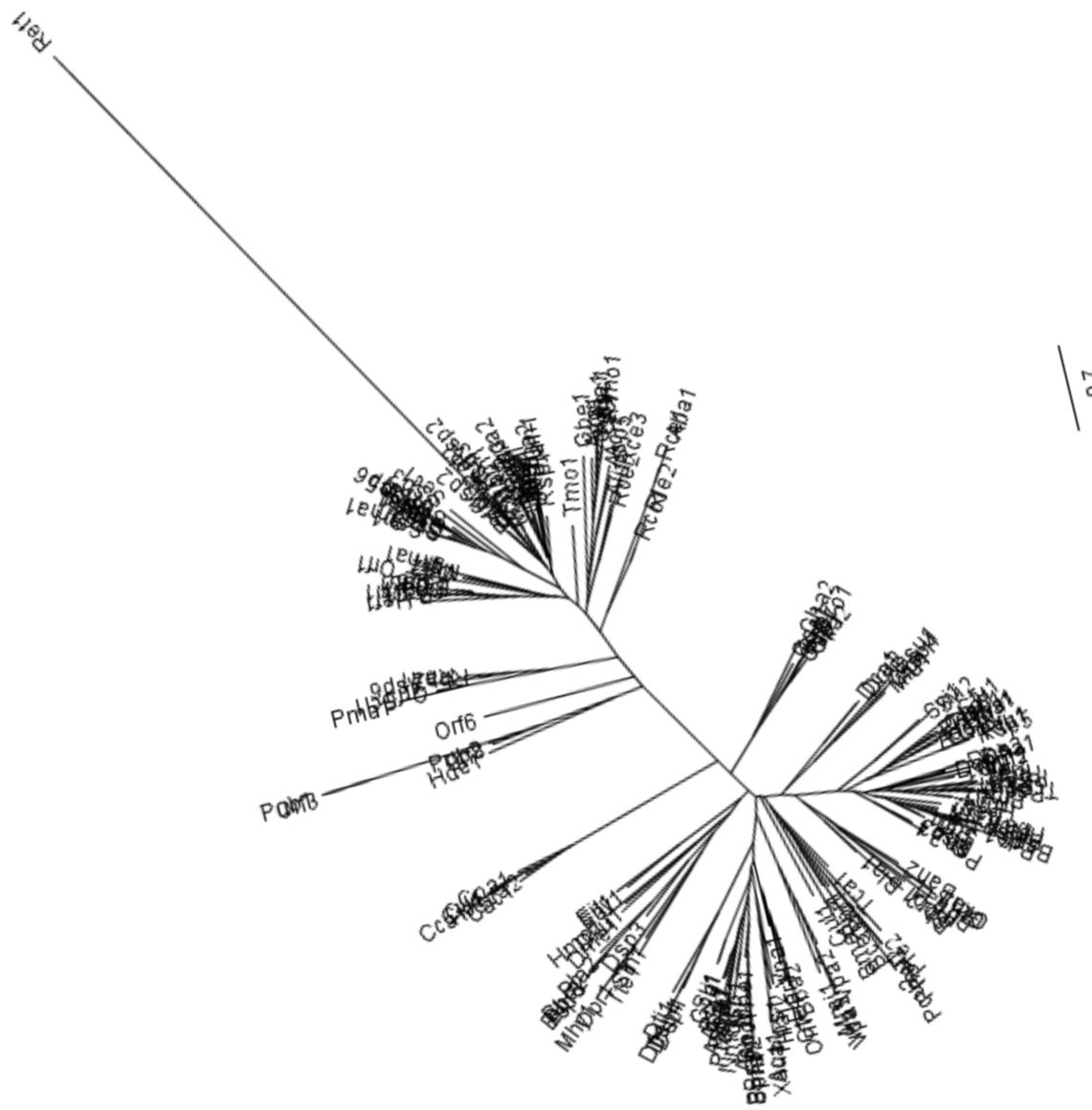
**Fig. 23C**

ILT – ProbCons



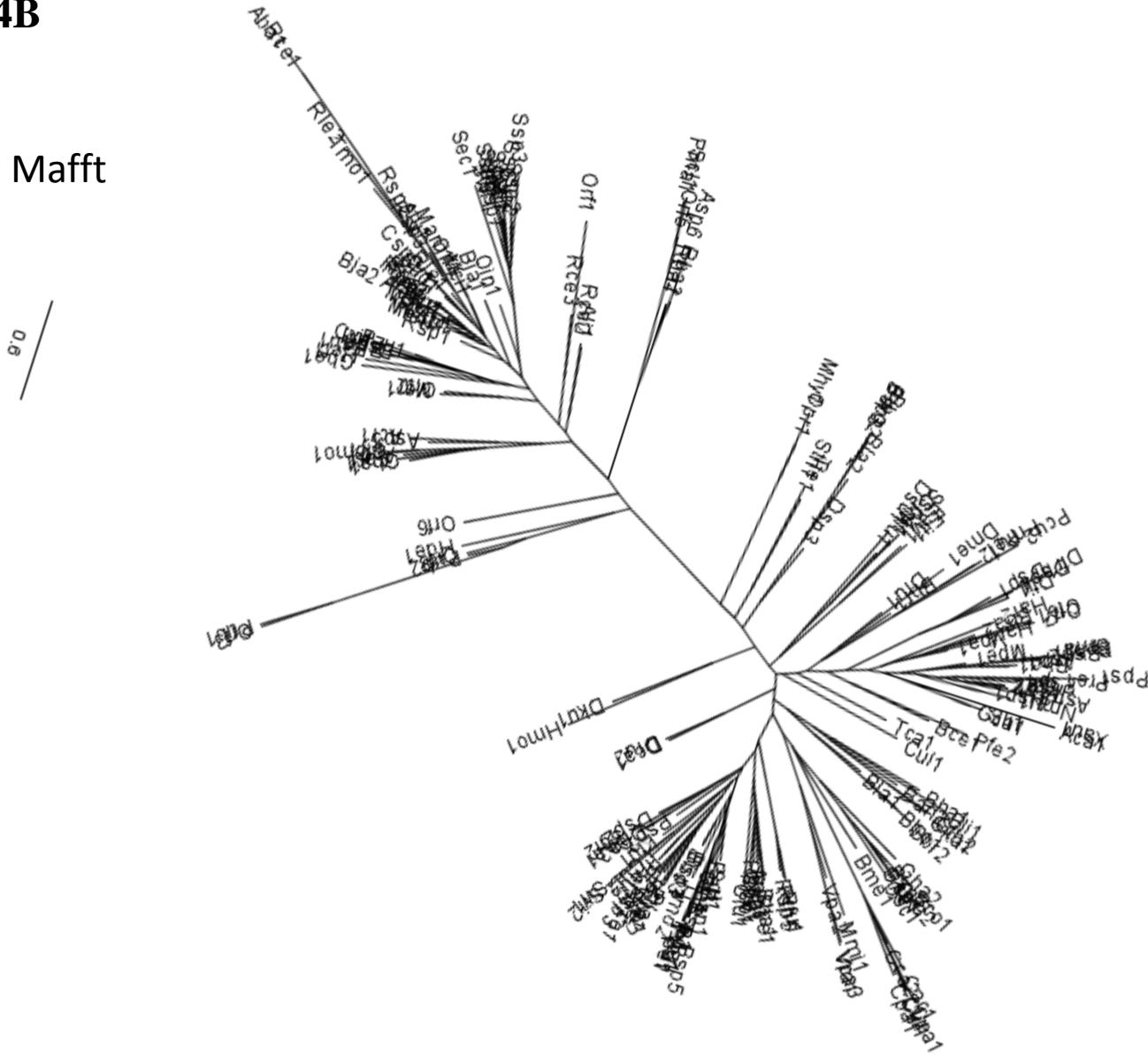
**Fig. 24A**

# TerC – Clustal



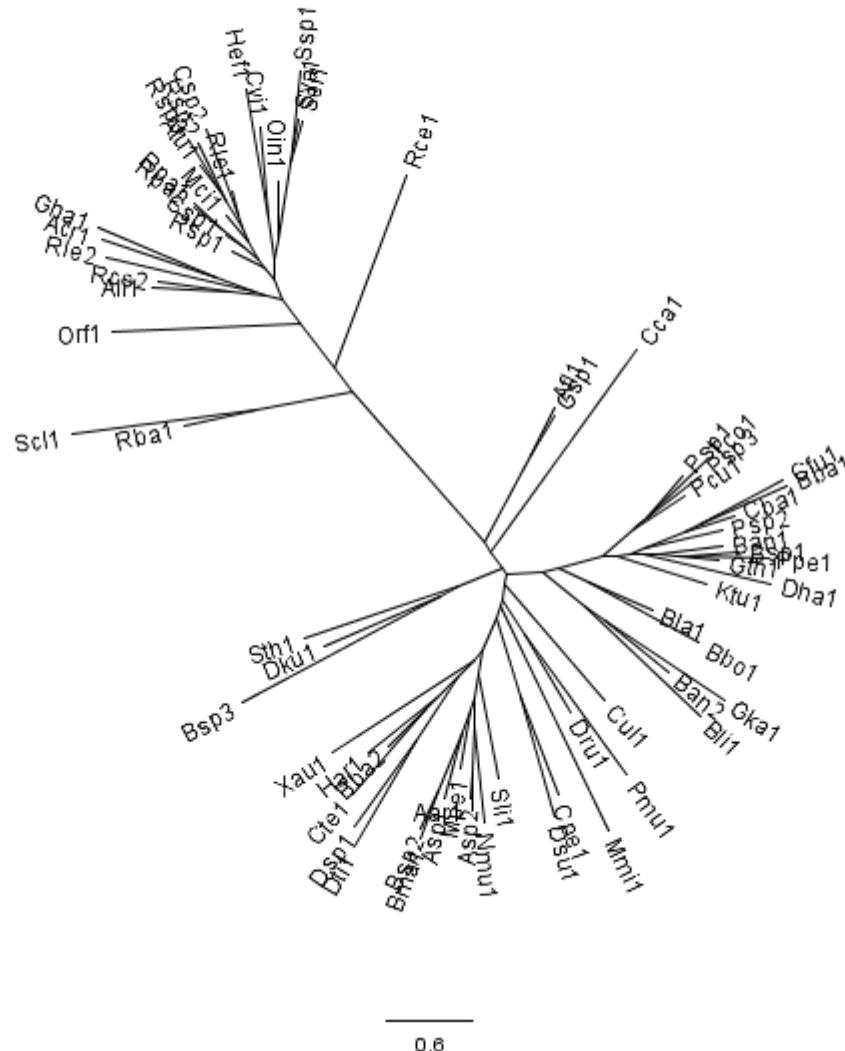
**Fig. 24B**

TerC - Mafft



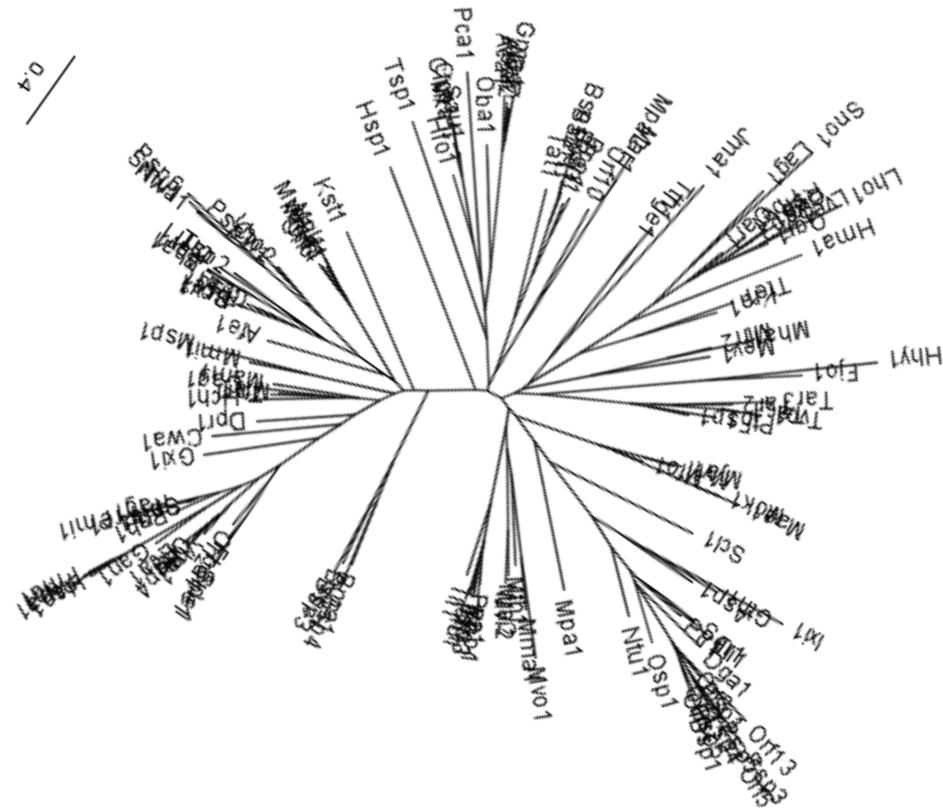
**Fig. 24C**

TerC - ProbCons



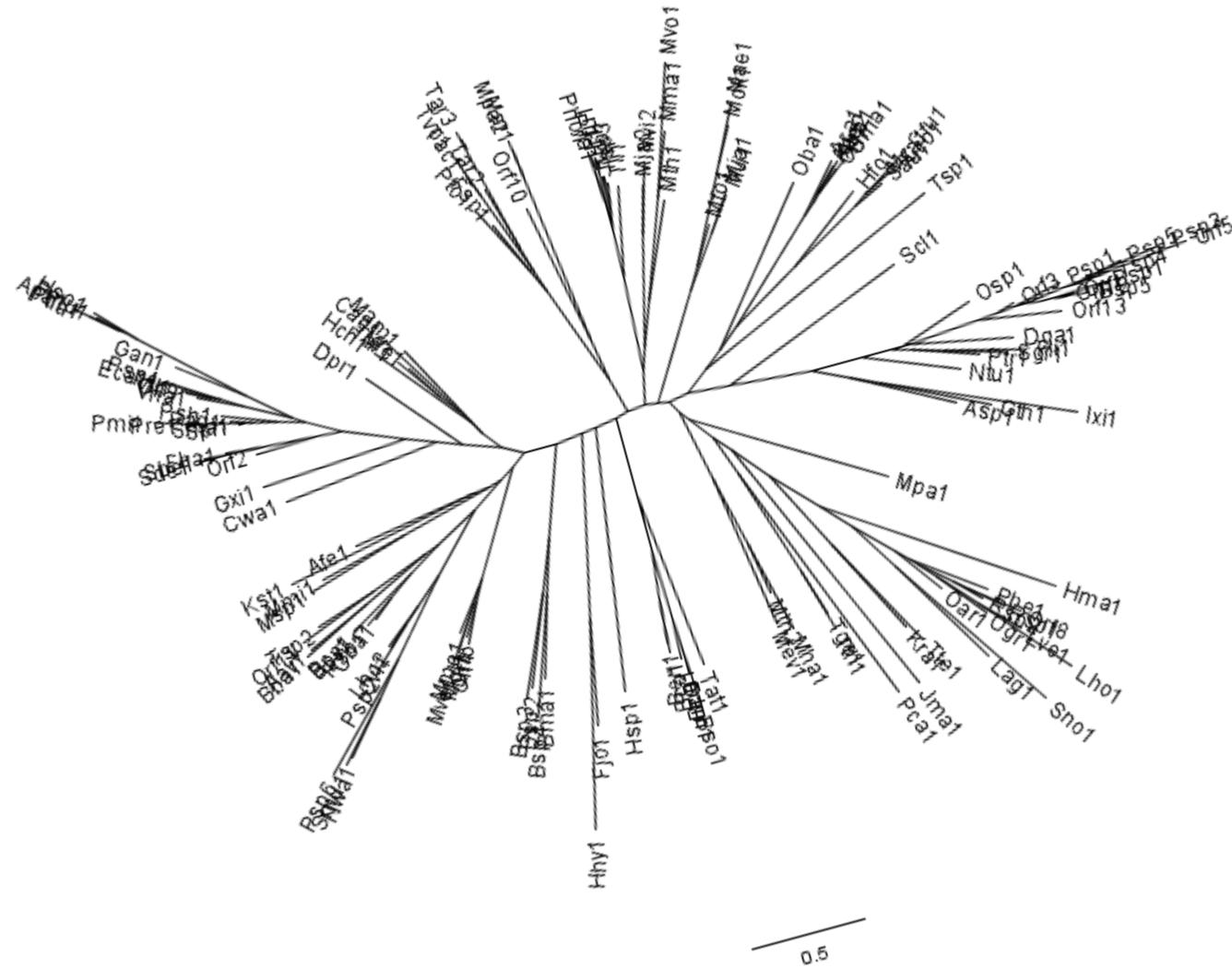
**Fig. 25A**

## NAAT– Clustal



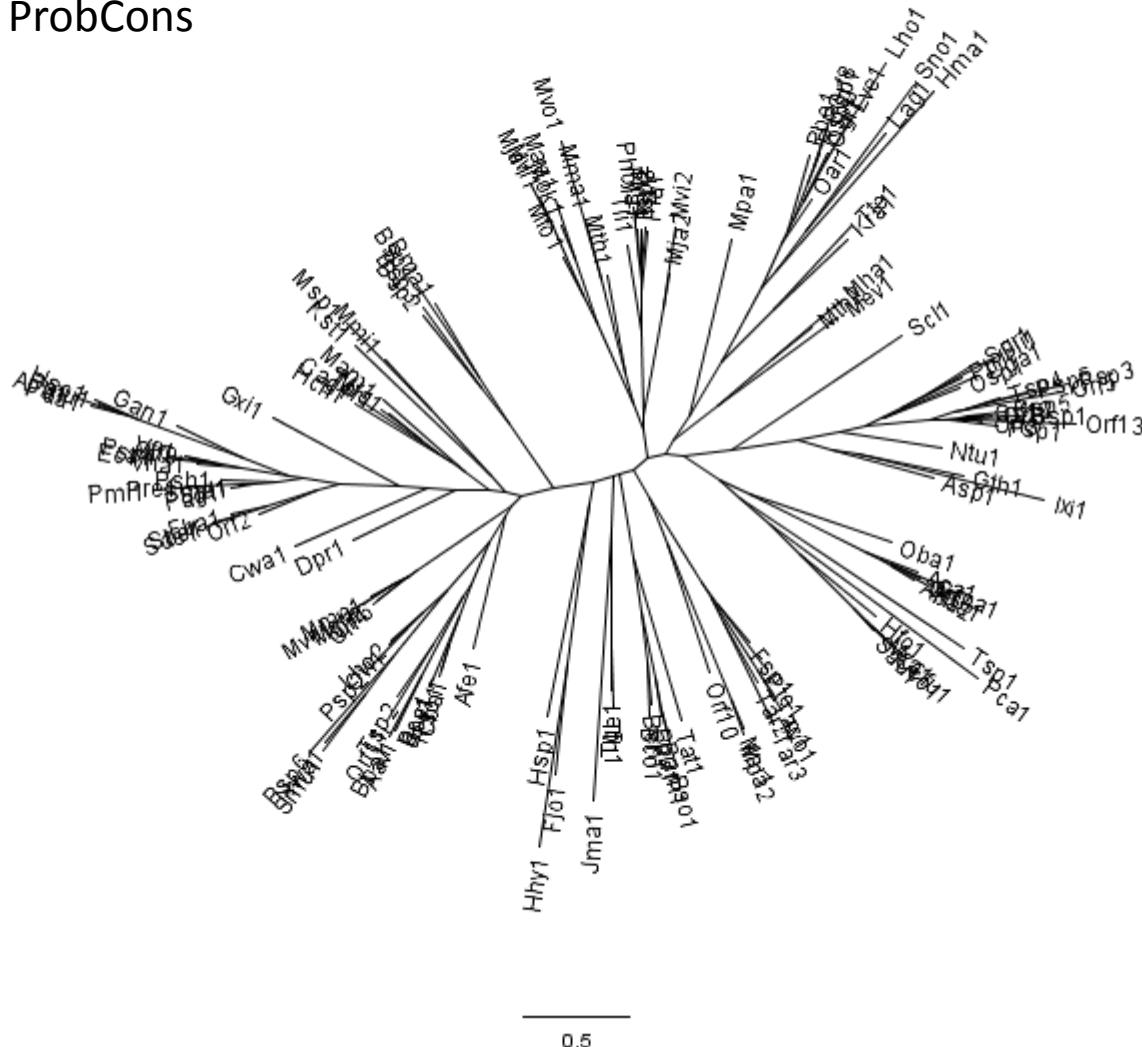
**Fig. 25B**

NAAT - Mafft



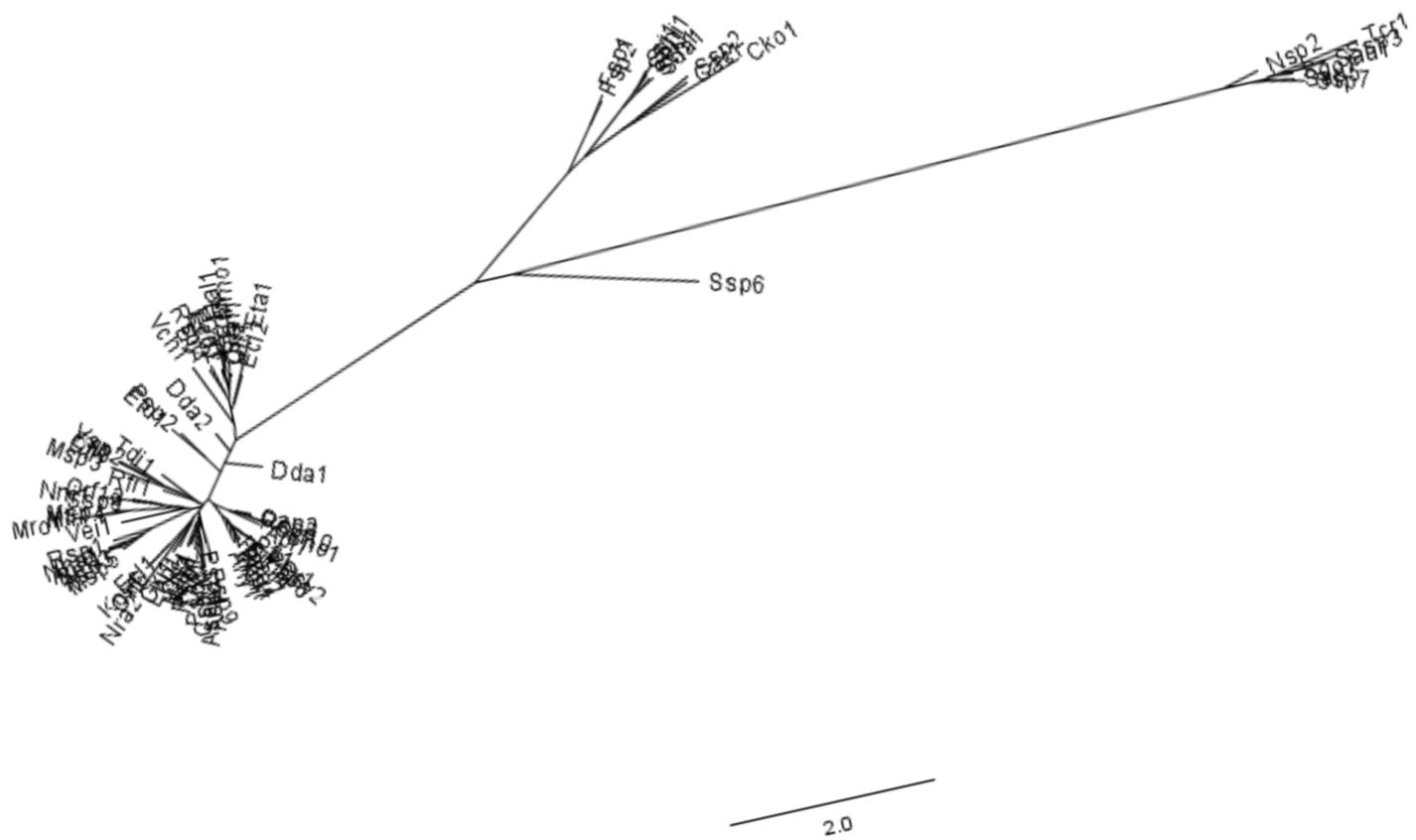
**Fig. 25C**

NAAT - ProbCons



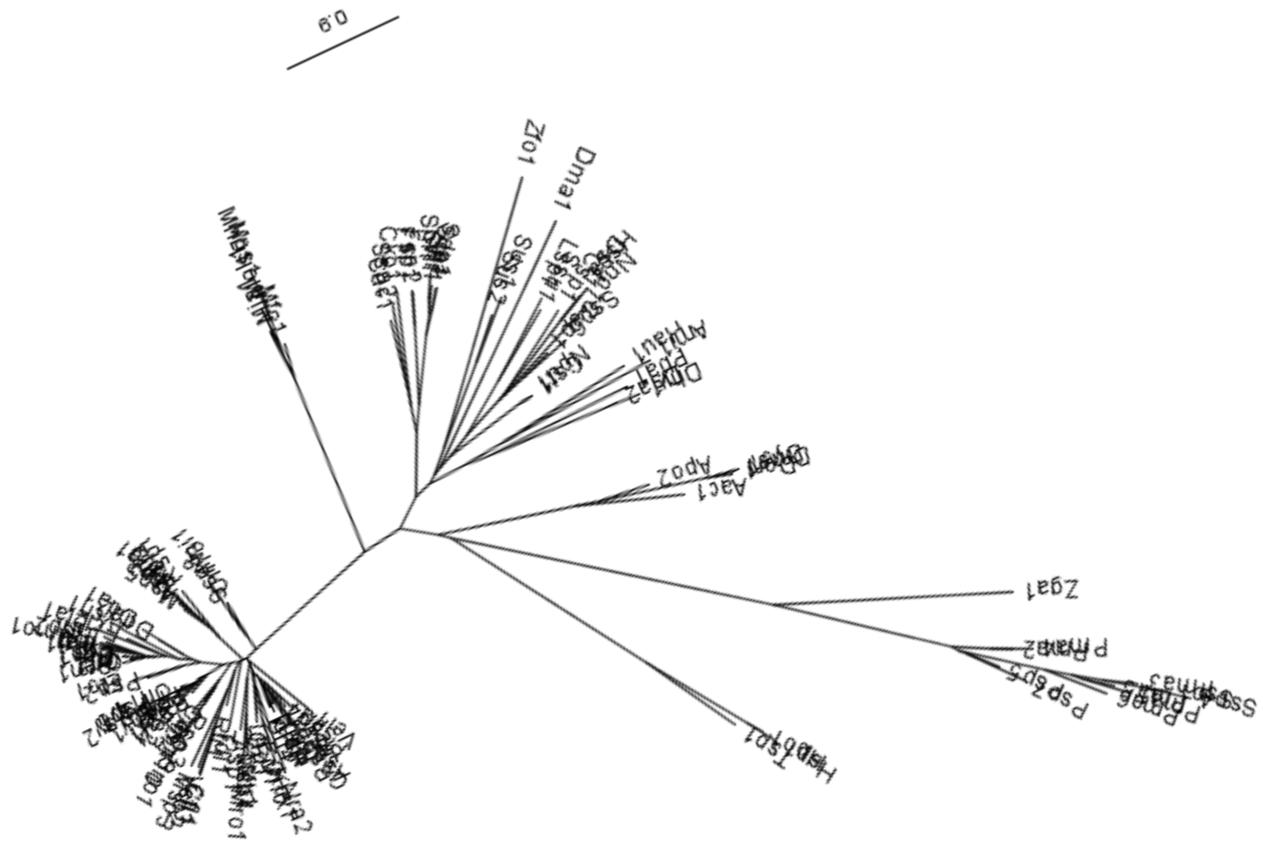
**Fig. 26A**

NicO – Clustal



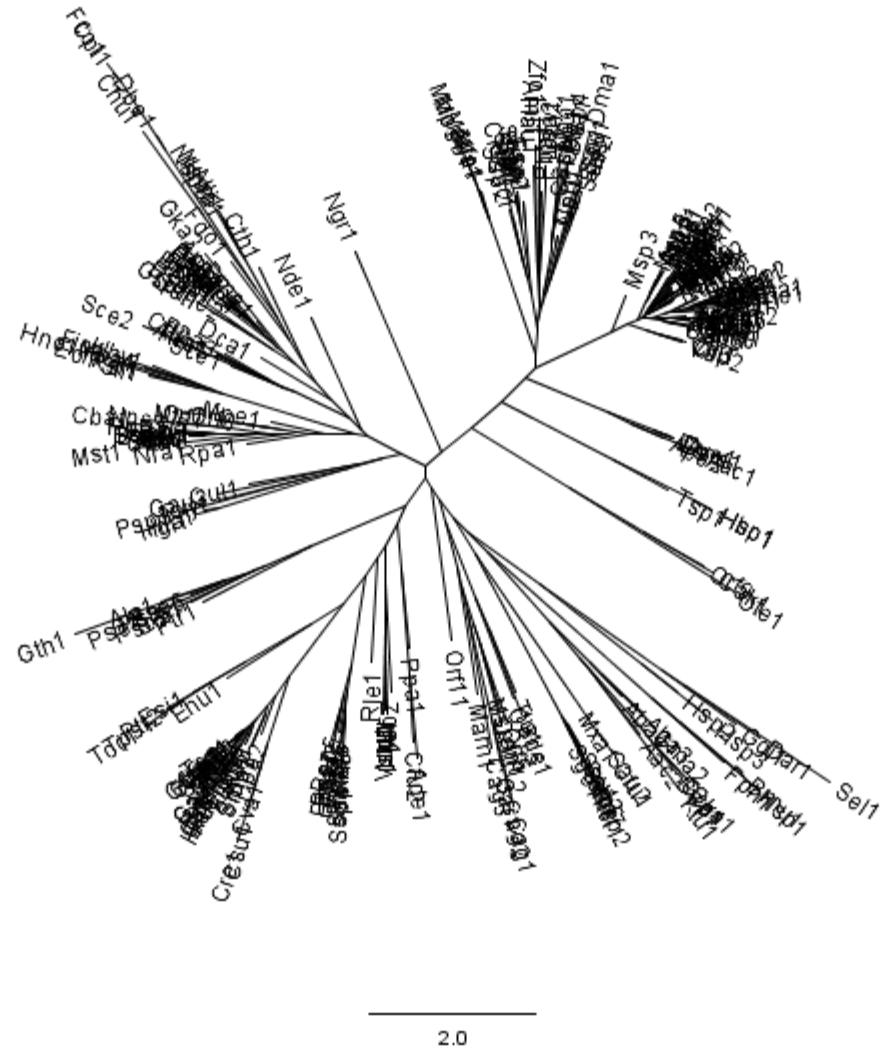
**Fig. 26B**

NicO - Mafft



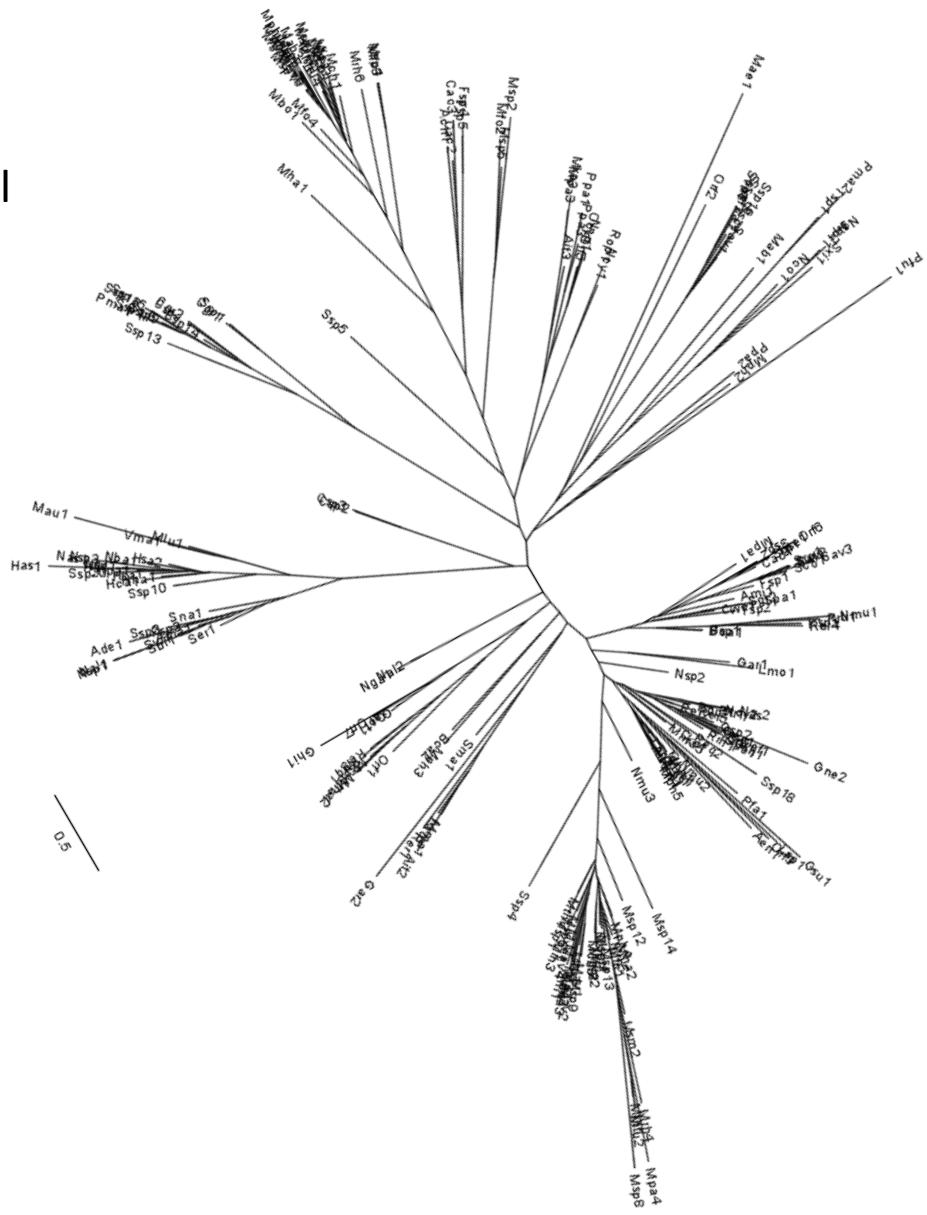
**Fig. 26C**

# NicO - ProbCons



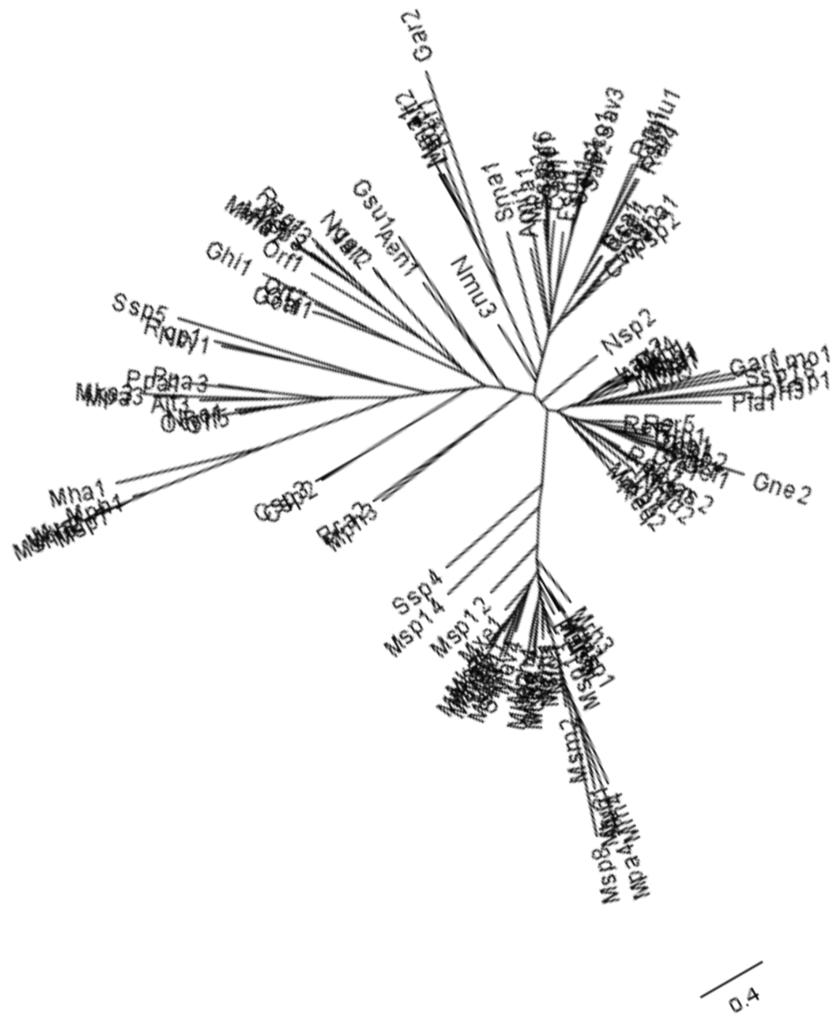
**Fig. 27A**

## GAP – Clustal



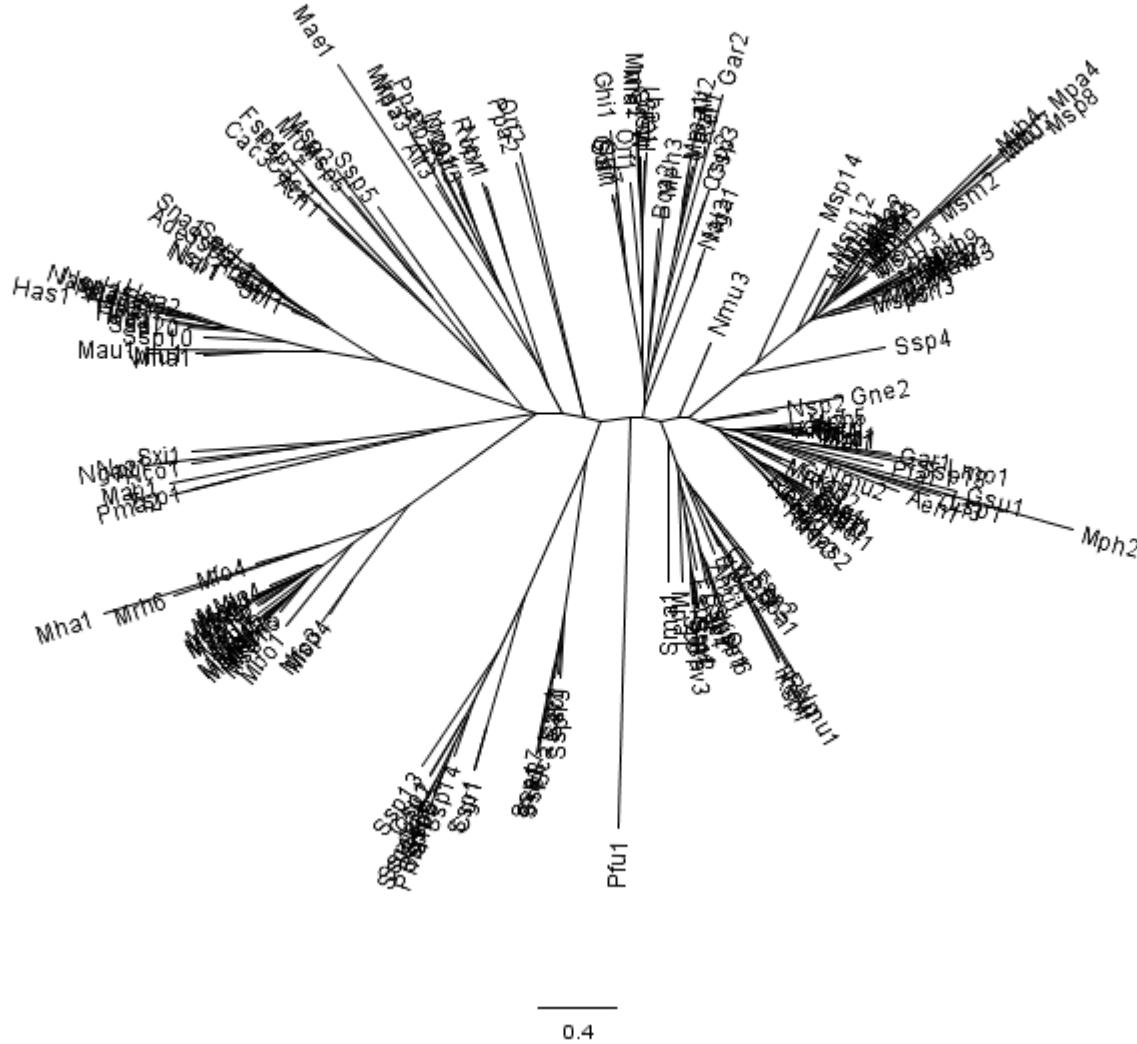
**Fig. 27B**

GAP - Mafft



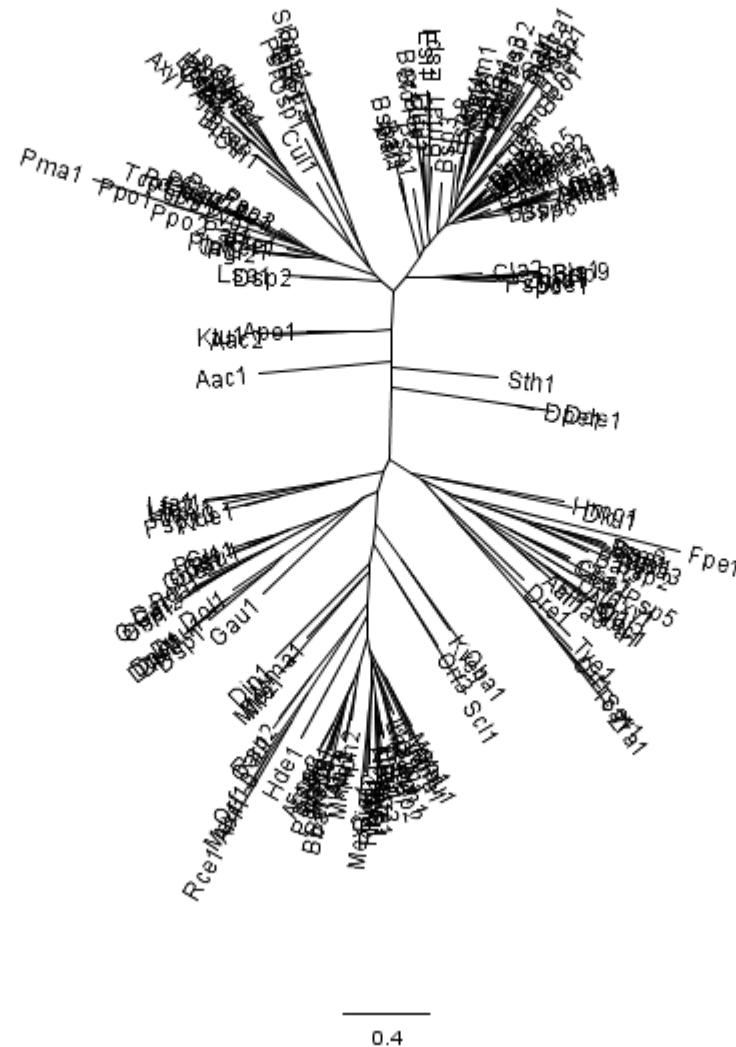
**Fig. 27C**

# GAP - ProbCons



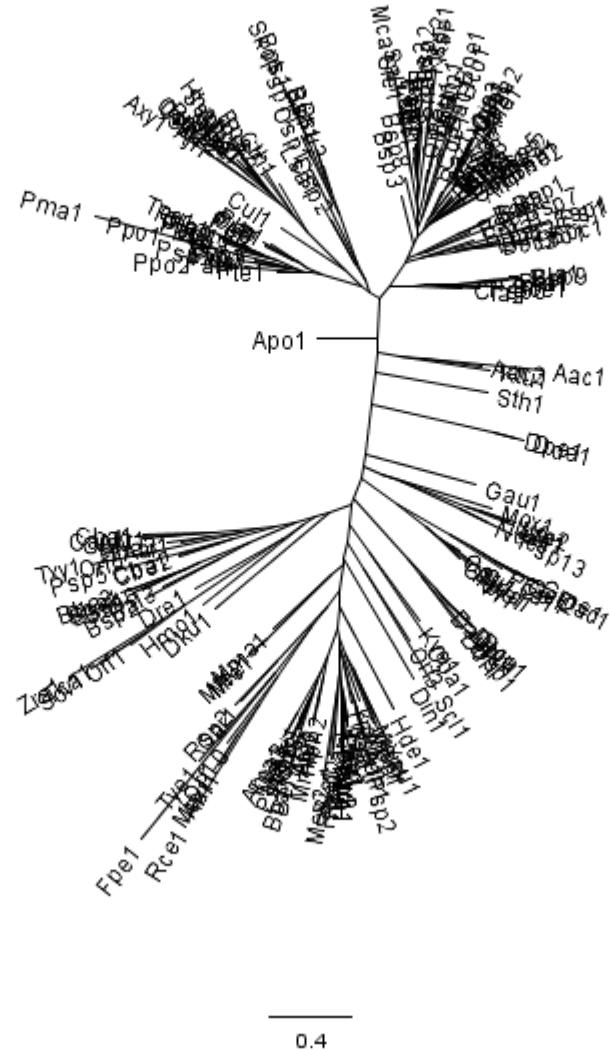
**Fig. 28A**

DsbD – Clustal



**Fig. 28B**

DsbD - Mafft



**Fig. 28C**

## DsbD - ProbCons

