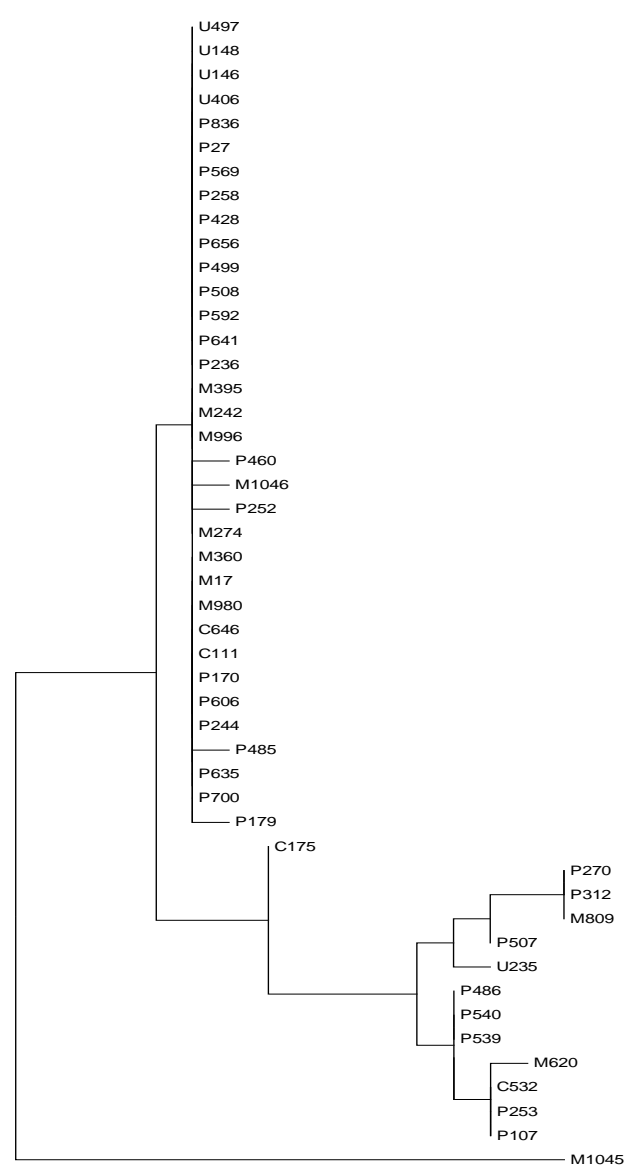


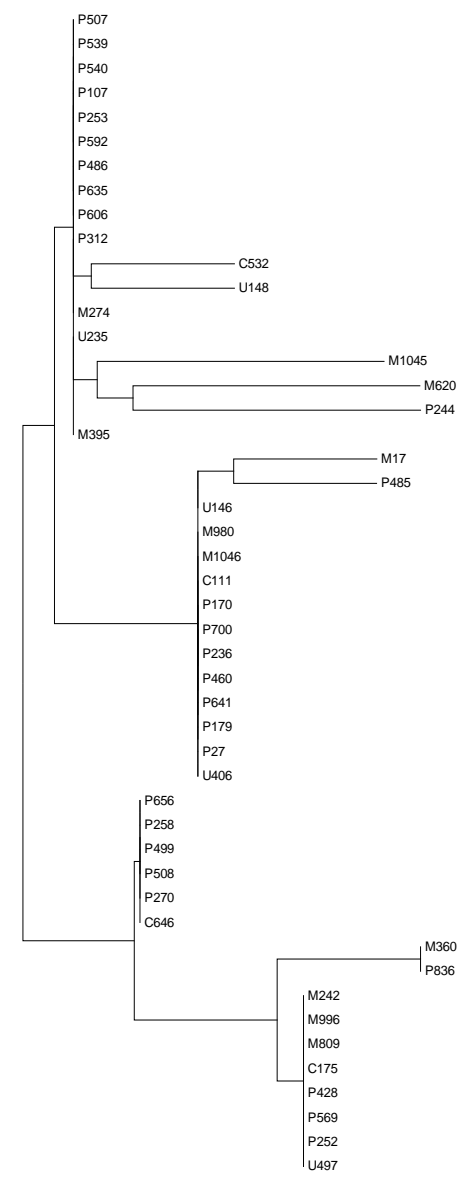
acsA gene

Fig S1



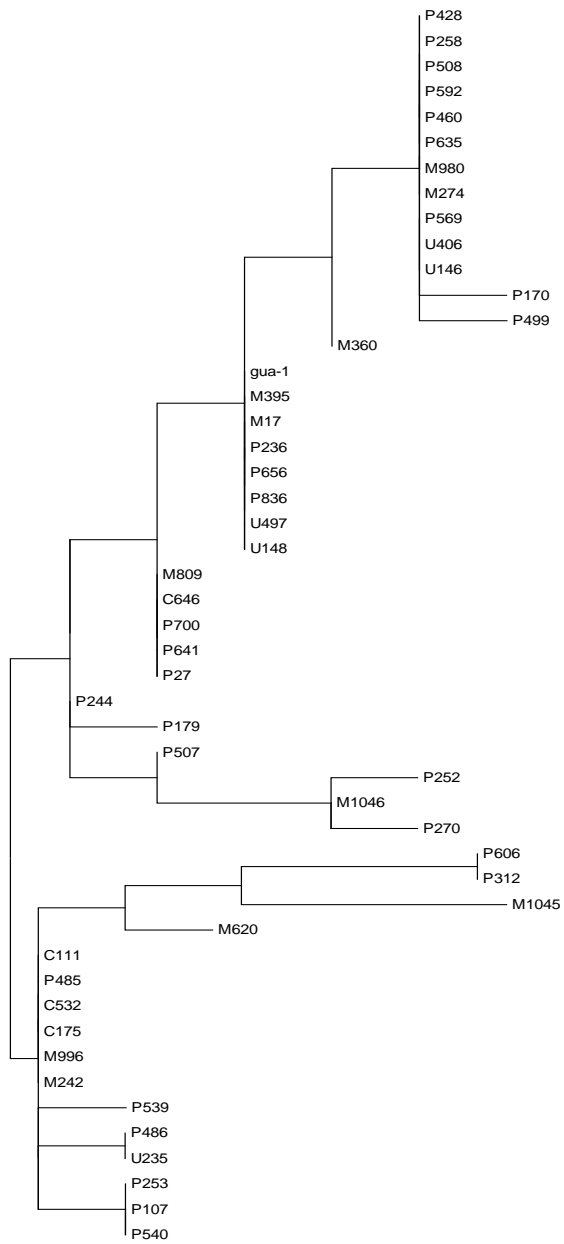
aroE gene

Fig S2

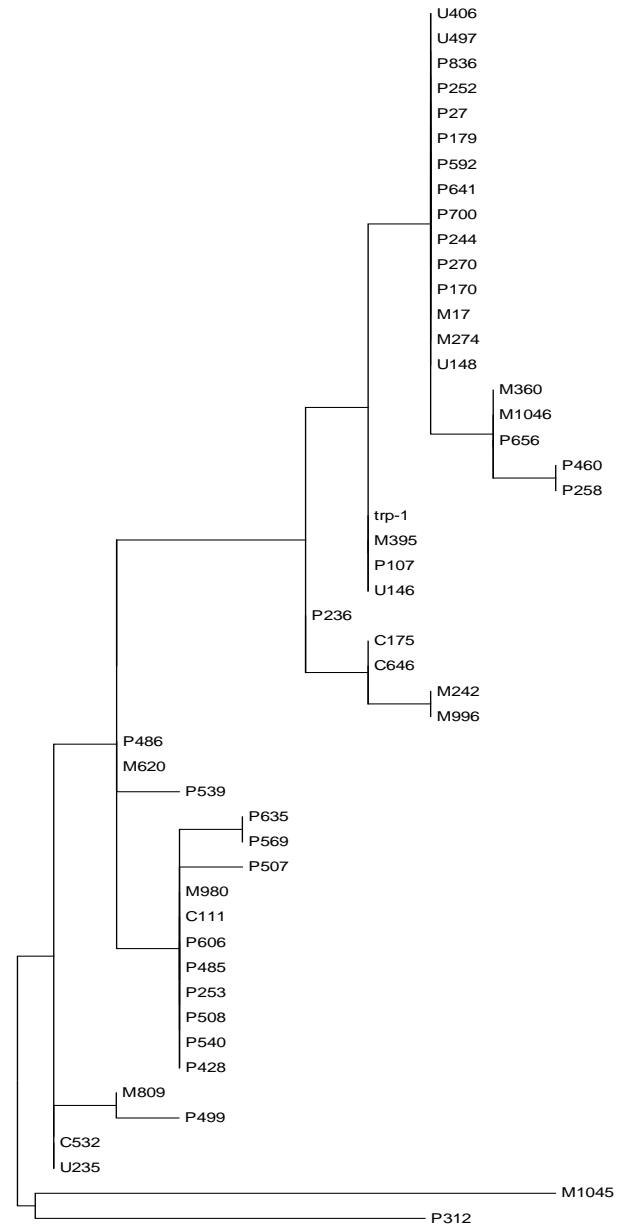


nuoD gene

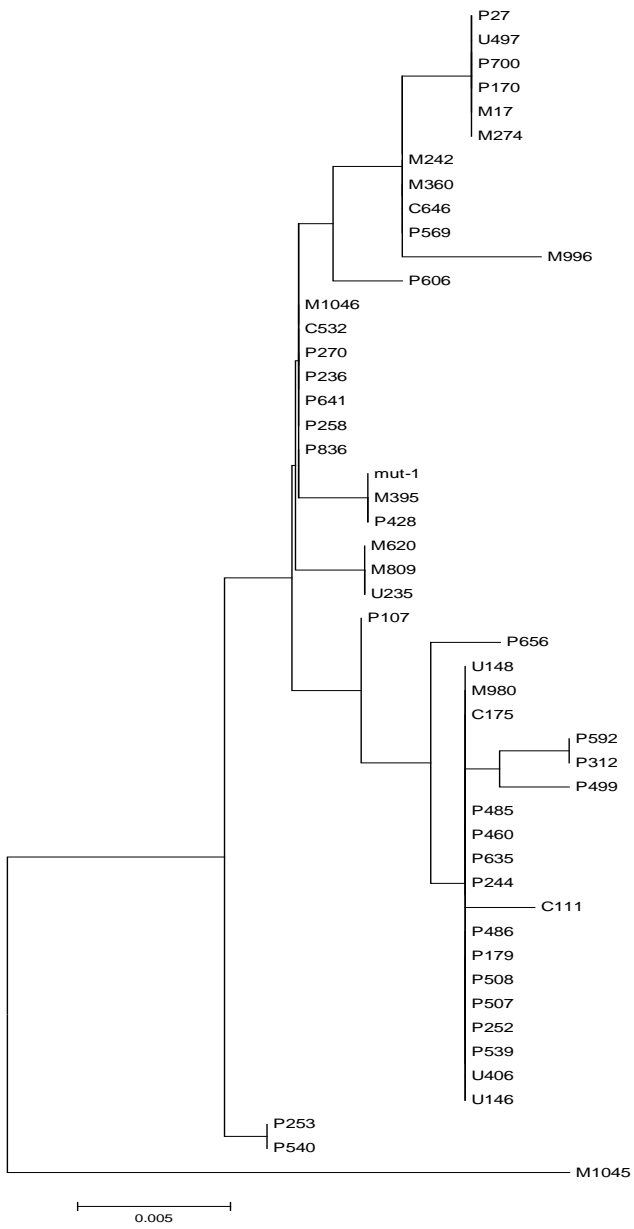
Fig S3



guaA gene
Fig S4

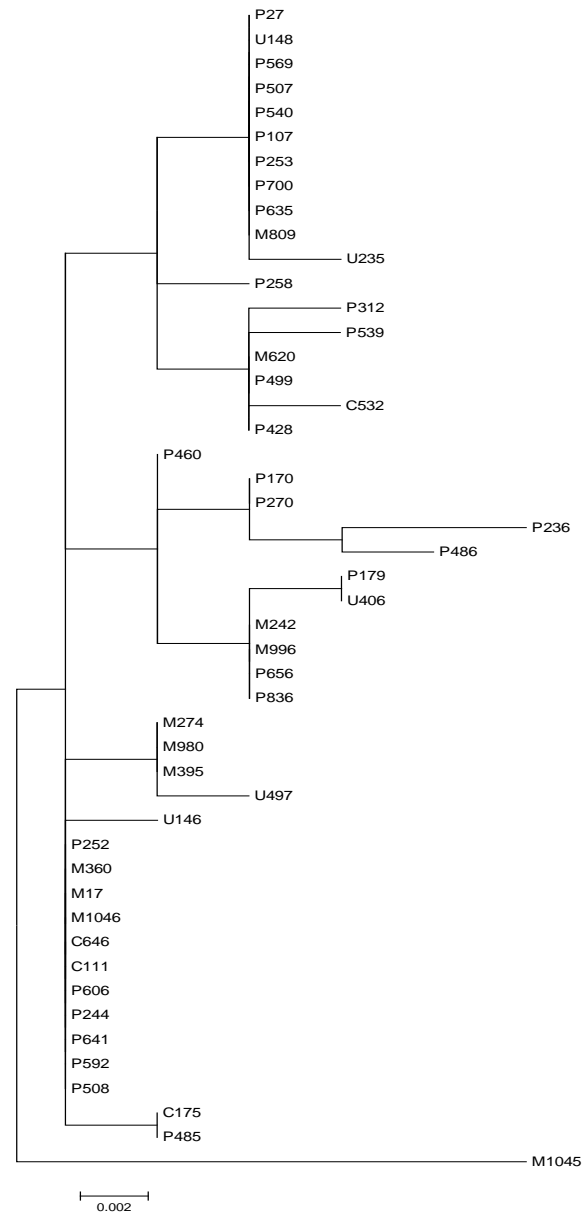


trpE gene
Fig S5



mutL gene

Fig S6



ppsA gene

Fig S7