

Additional file 10 - Mafft (v6.857b) alignment for C7A8A3 and D4QGB9.

```
tr|D4QGB9| -----SDVPNDILEEQLYNSVVADYDSAVEKSKHLYEEKKSEVIT
tr|C7A8A3| MKPAIVILCLFVASLYAADSDVPNDILEEQLYNSVVADYDSAVEKSKHLYEEKKSEVIT
```

```
tr|D4QGB9| NVVNKLIRNNKMNCMEYAYQLWLQGSKDVRDCFPVEFRLIFAENAIKLMYKRDGLALT
tr|C7A8A3| NVVSKLIRNNKMNCMEYAYQLWLQGSKDVRDCFPVEFRLIFAENAIKLMYKRDGLALT
```

```
tr|D4QGB9| SNDVQGDDGRPAYGDGDKTSPRVSWKLIALWENNKVYFKILNTERNQYLVLGVTNWNG
tr|C7A8A3| SNDVQGDDGRPAYGDGDKTSPRVSWKLIALWENNKVYFKILNTERNQYLVLGVTNWNG
```

```
tr|D4QGB9| DHMAFGVNSVDSFRAQWYLQPAKYDNDVLFYIYNREYSKALTLSRTVEPSGHRMAWGYNG
tr|C7A8A3| DHMAFGVNSVDSFRAQWYLQPAKYDNDVLFYIYNREYSKALTLSRTVEPSGHRMSWGYNG
```

```
tr|D4QGB9| RVIGSPEHYAWGIKAF
tr|C7A8A3| RVIGSPEHYAWGIKAF
```