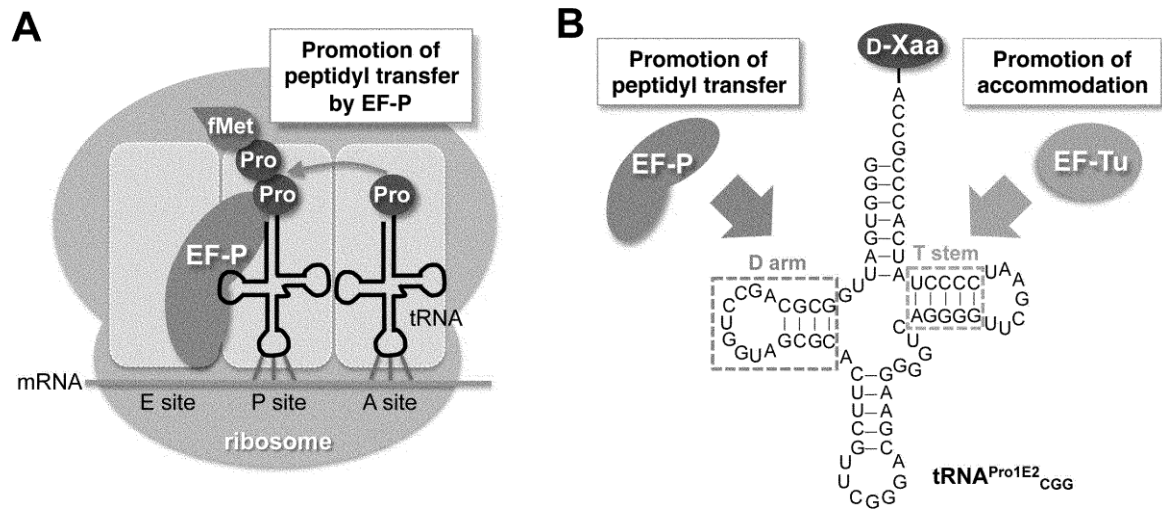
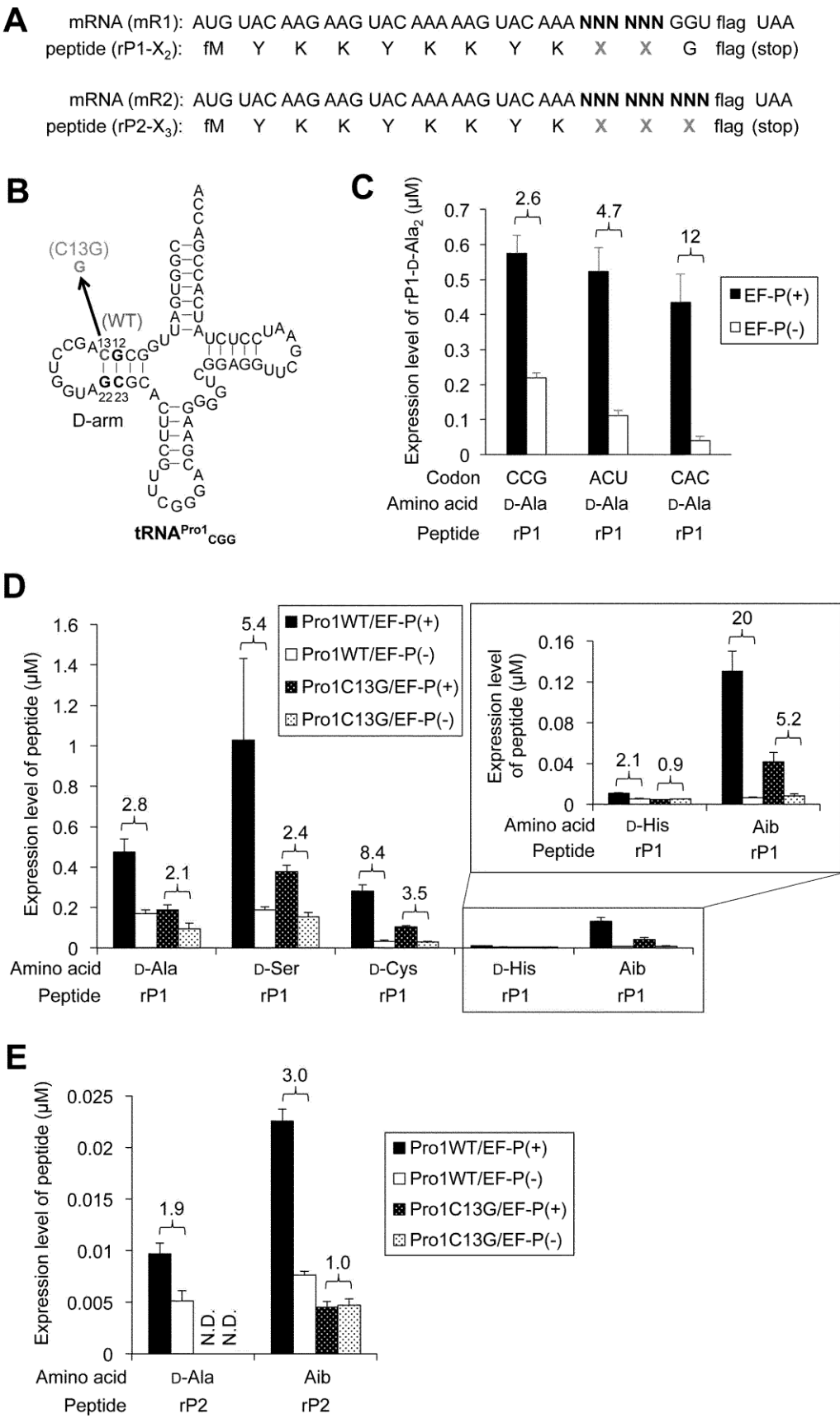


Figures

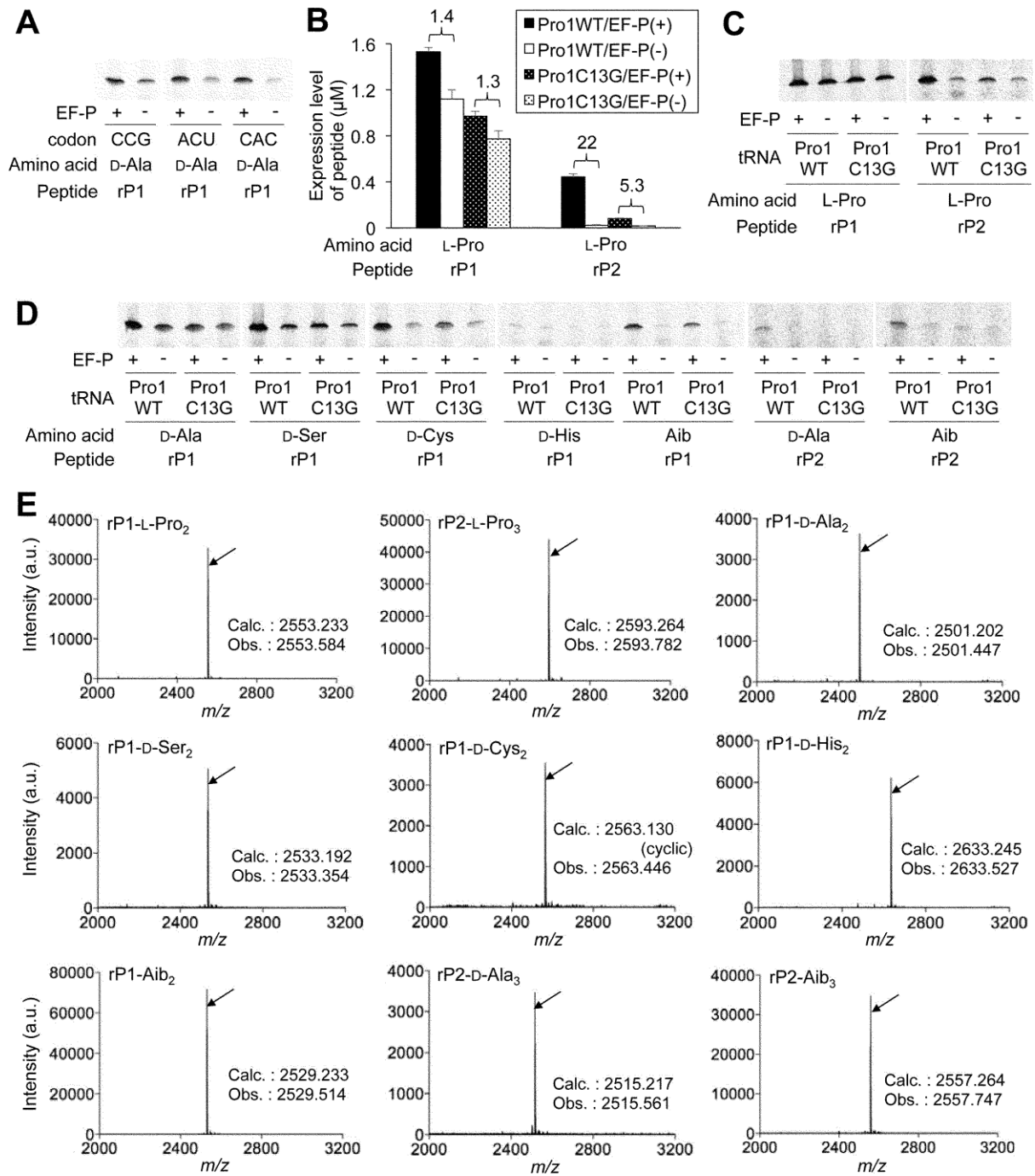
[Fig.1]



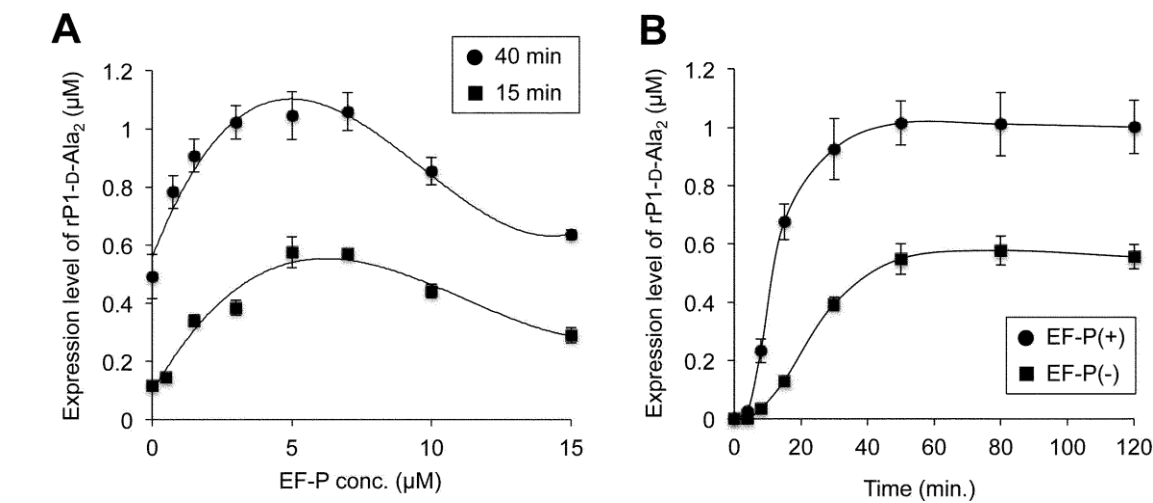
[Fig.2]



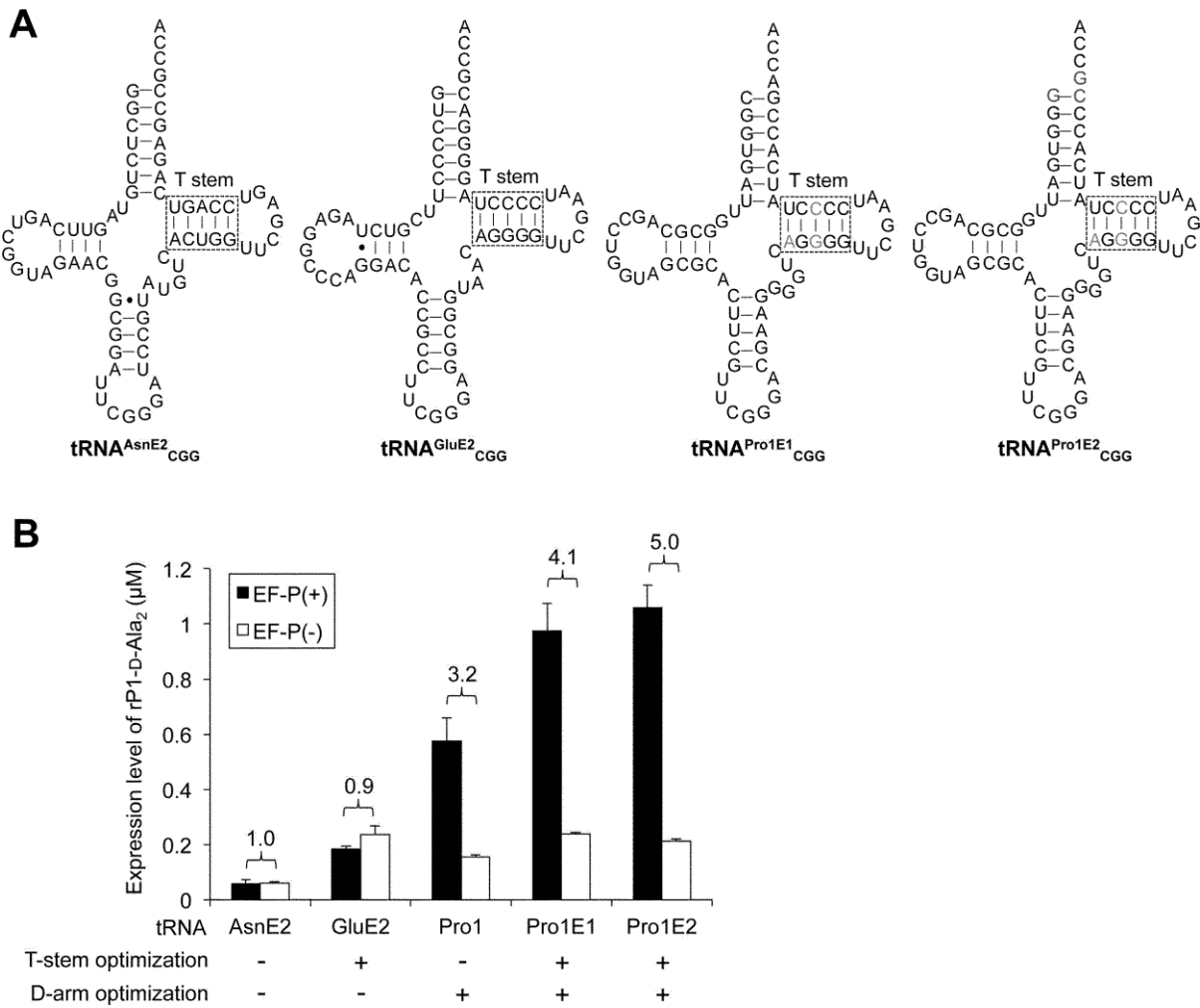
[Fig.3]



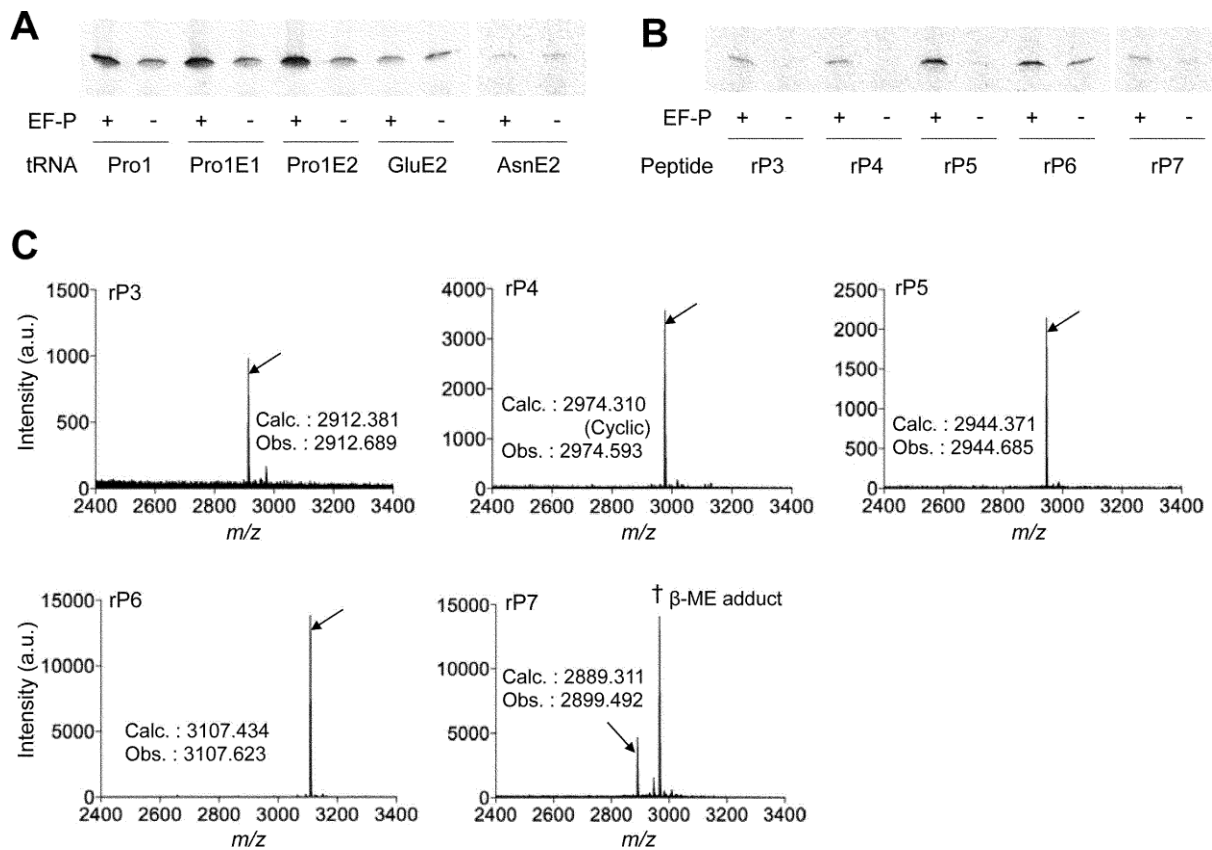
[Fig.4]



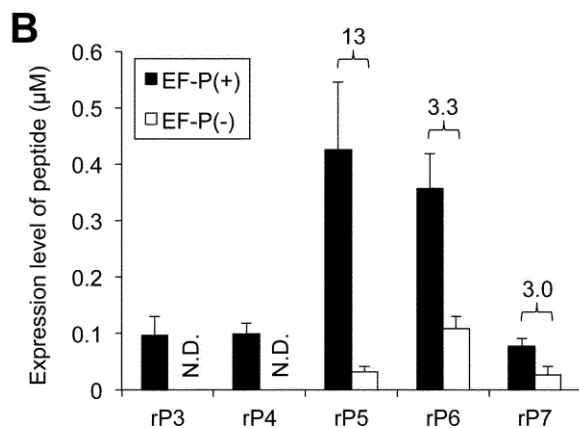
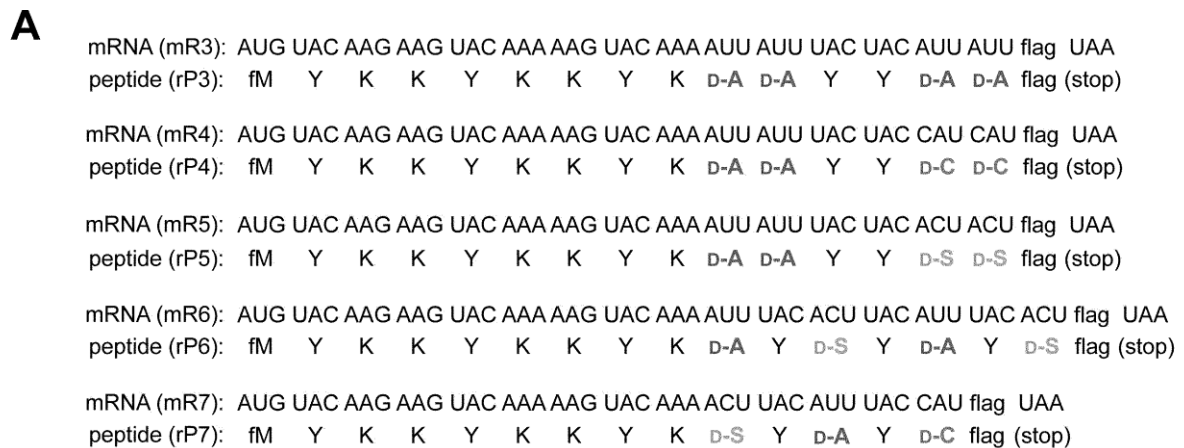
[Fig.5]



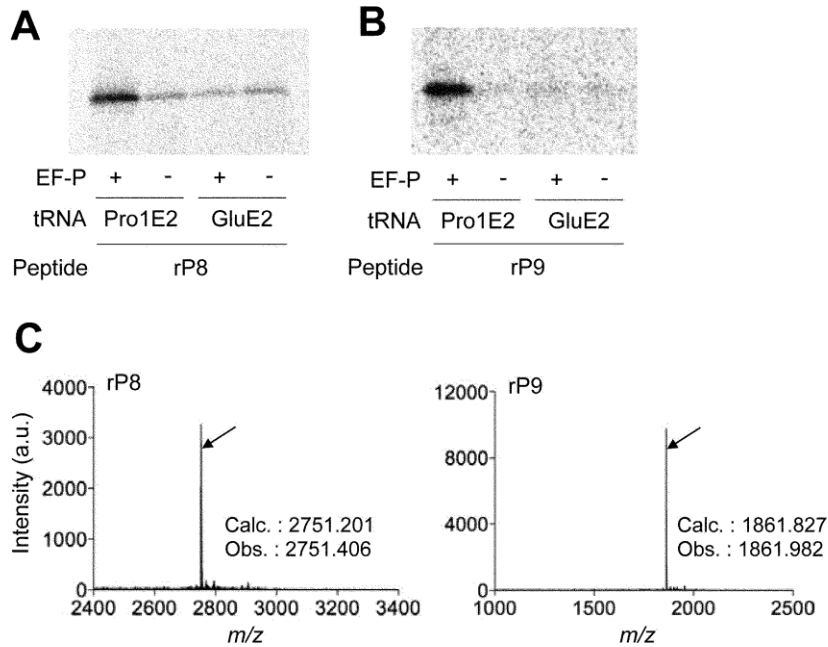
[Fig.6]



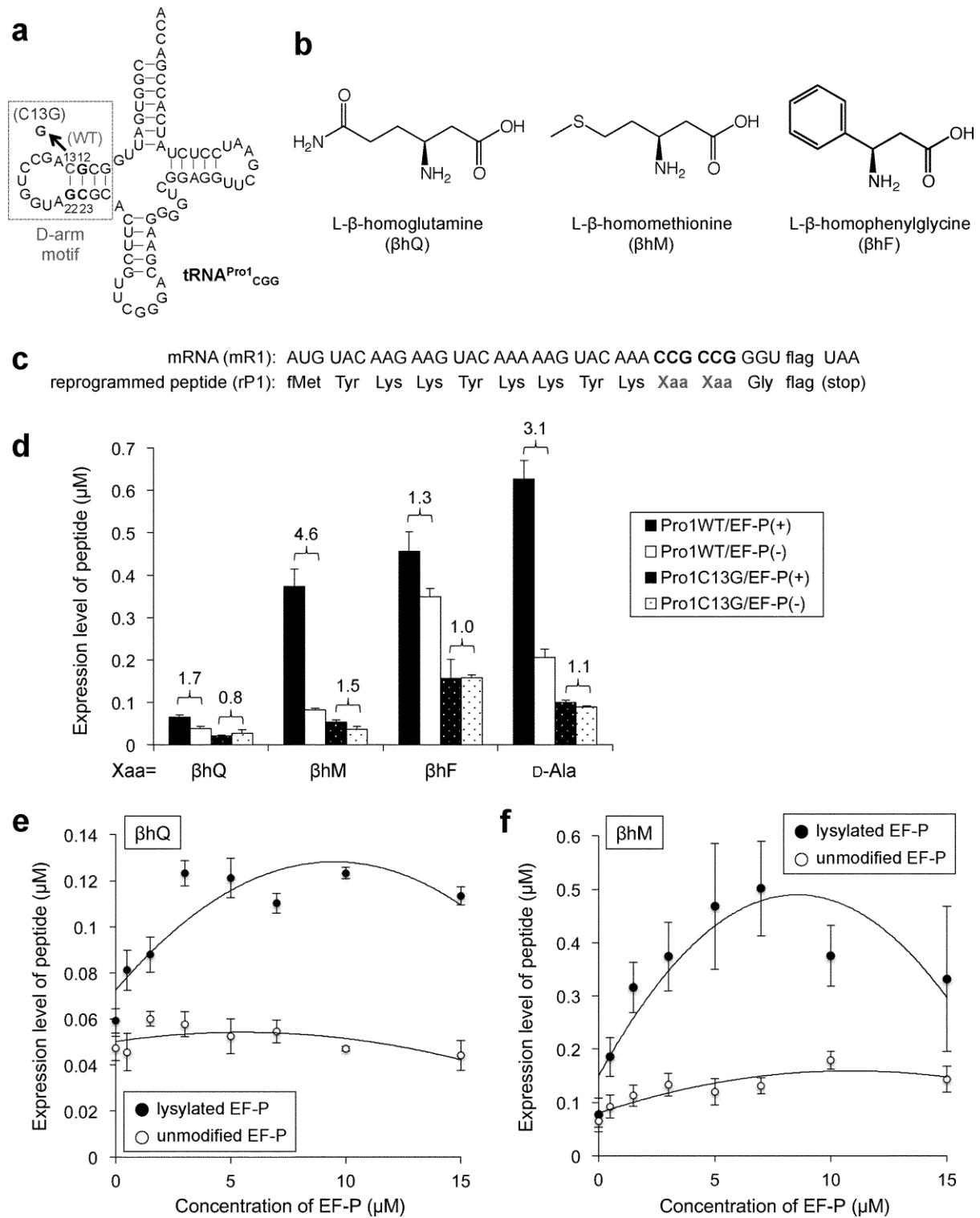
[Fig.7]



[Fig.9]

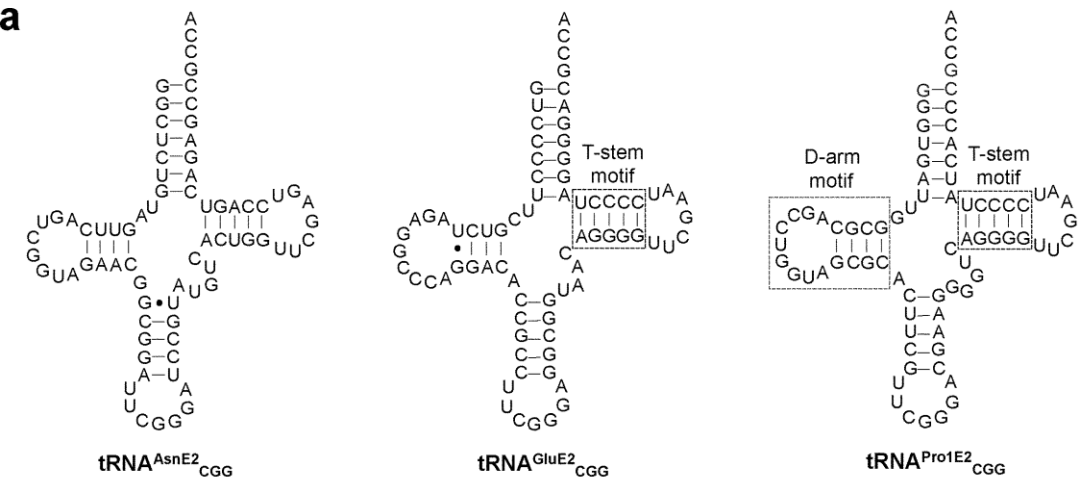


[Fig.10]

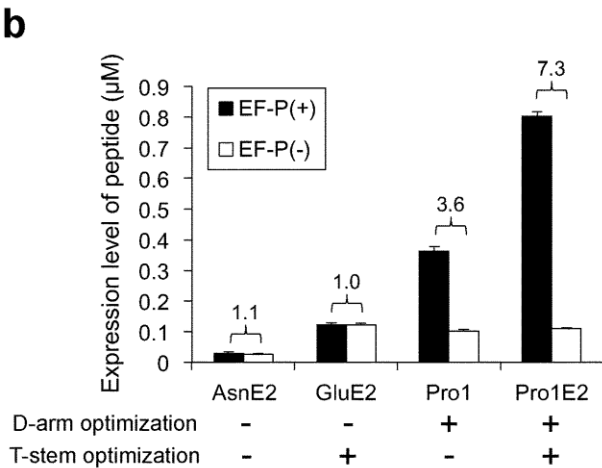


[Fig.11]

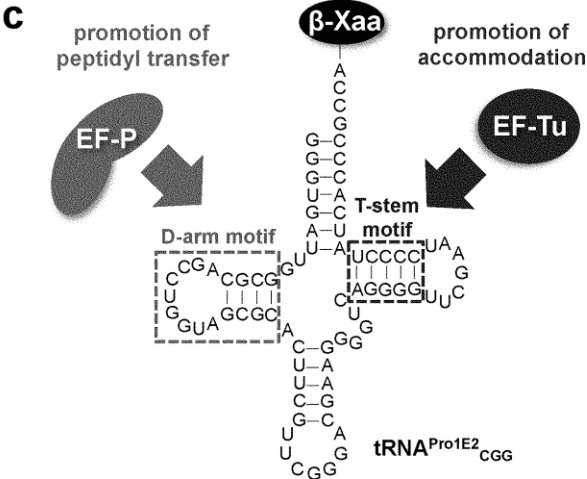
a



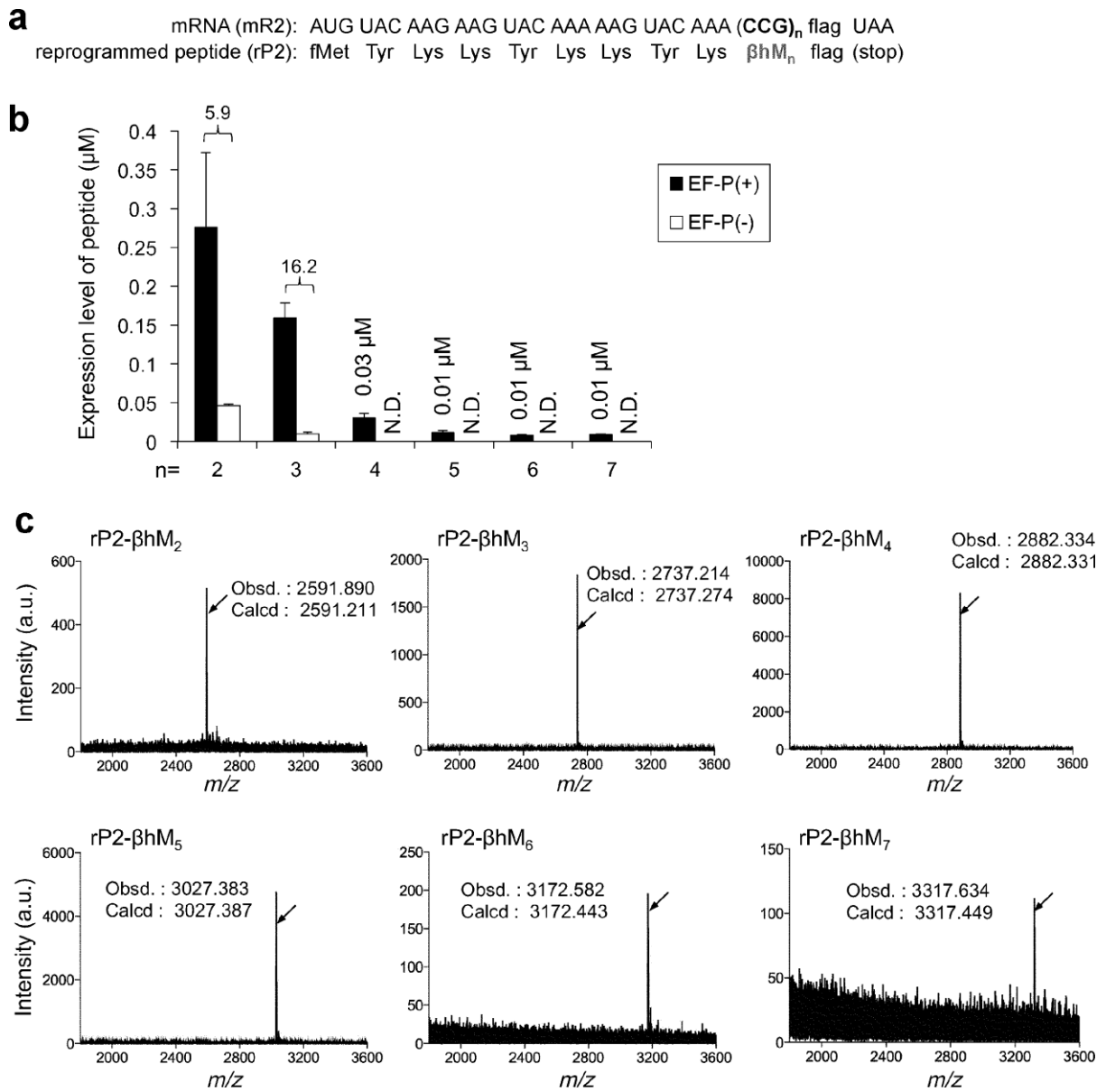
b



c



[Fig.12]



[Fig.13]

a

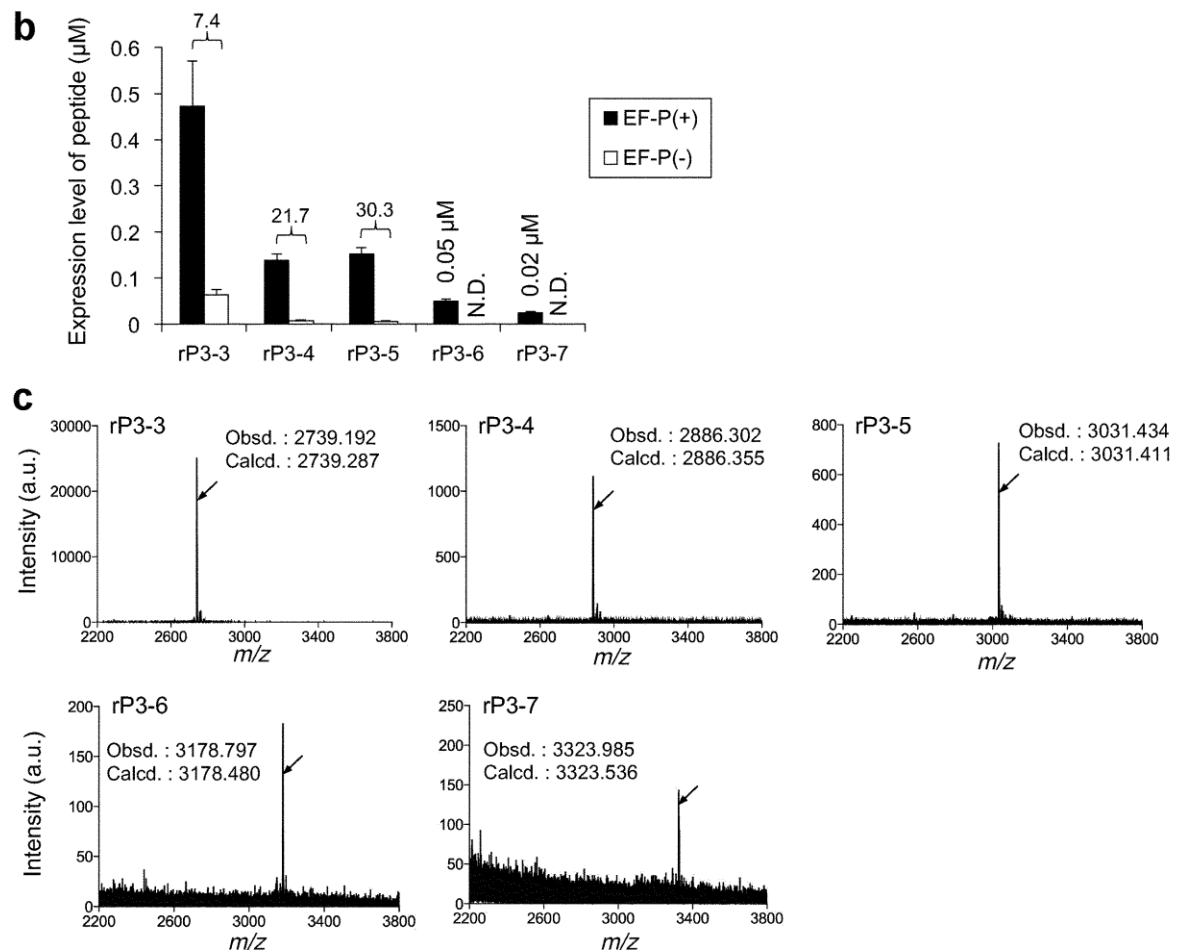
mRNA (mR3-3): AUG UAC AAG AAG UAC AAA AAG UAC AAA **AUU CAU AUU** flag UAA
 reprogrammed peptide (rP3-3): fMet Tyr Lys Lys Tyr Lys Lys Tyr Lys β hM β hF β hM flag (stop)

mRNA (mR3-4): AUG UAC AAG AAG UAC AAA AAG UAC AAA **AUU CAU AUU CAU** flag UAA
 reprogrammed peptide (rP3-4): fMet Tyr Lys Lys Tyr Lys Lys Tyr Lys β hM β hF β hM β hF flag (stop)

mRNA (mR3-5): AUG UAC AAG AAG UAC AAA AAG UAC AAA **AUU CAU AUU CAU AUU** flag UAA
 reprogrammed peptide (rP3-5): fMet Tyr Lys Lys Tyr Lys Lys Tyr Lys β hM β hF β hM β hF β hM flag (stop)

mRNA (mR3-6): AUG UAC AAG AAG UAC AAA AAG UAC AAA **AUU CAU AUU CAU AUU CAU** flag UAA
 reprogrammed peptide (rP3-6): fMet Tyr Lys Lys Tyr Lys Lys Tyr Lys β hM β hF β hM β hF β hM β hF flag (stop)

mRNA (mR3-7): AUG UAC AAG AAG UAC AAA AAG UAC AAA **AUU CAU AUU CAU AUU CAU AUU** flag UAA
 reprogrammed peptide (rP3-7): fMet Tyr Lys Lys Tyr Lys Lys Tyr Lys β hM β hF β hM β hF β hM β hF β hM flag (stop)



[Fig.14]

a

mRNA (mR4): AUG UAC AAG AAG UAC AAA AAG UAC AAA **CAU** UAC **AUU** UAC **CAU** flag UAA
 reprogrammed peptide (rP4): fMet Tyr Lys Lys Tyr Lys Lys Tyr Lys β hF Tyr β hM Tyr β hF flag (stop)

mRNA (mR5): AUG UAC AAG AAG UAC AAA AAG UAC AAA **ACU** UAC **AUU** UAC **CAU** flag UAA
 reprogrammed peptide (rP5): fMet Tyr Lys Lys Tyr Lys Lys Tyr Lys β hQ Tyr β hM Tyr β hF flag (stop)

mRNA (mR6): AUG UAC AAG AAG UAC AAA AAG UAC AAA **AUU AUU** UAC UAC **CAU CAU** flag UAA
 reprogrammed peptide (rP6): fMet Tyr Lys Lys Tyr Lys Lys Tyr Lys β hM β hM Tyr Tyr β hF β hF flag (stop)

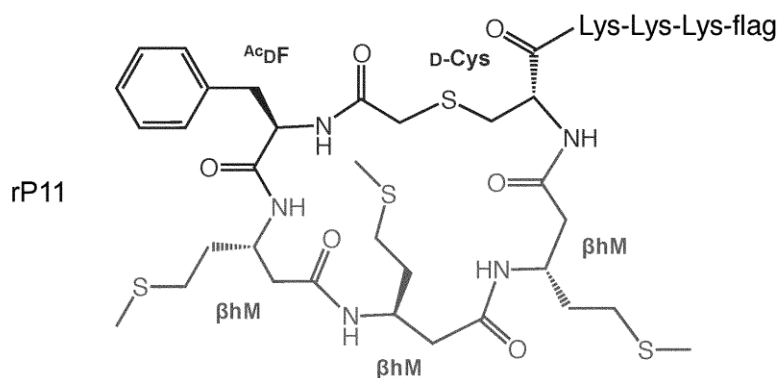
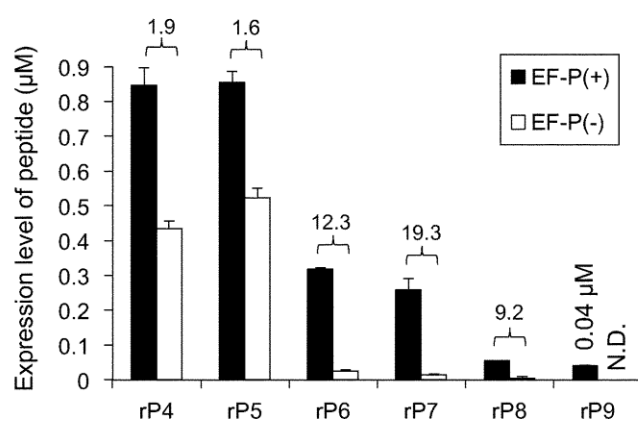
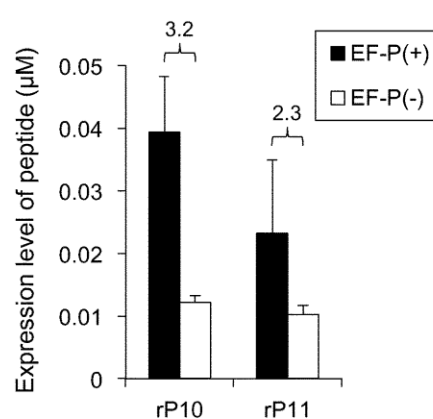
mRNA (mR7): AUG UAC AAG AAG UAC AAA AAG UAC AAA **AUU CAU** UAC UAC **AUU CAU** flag UAA
 reprogrammed peptide (rP7): fMet Tyr Lys Lys Tyr Lys Lys Tyr Lys β hM β hF Tyr Tyr β hM β hF flag (stop)

mRNA (mR8): AUG UAC AAG AAG UAC AAA AAG UAC AAA **AUU AUU** UAC UAC **CAU CAU** flag UAA
 reprogrammed peptide (rP8): fMet Tyr Lys Lys Tyr Lys Lys Tyr Lys β hM β hM Tyr Tyr D-Ala D-Ala flag (stop)

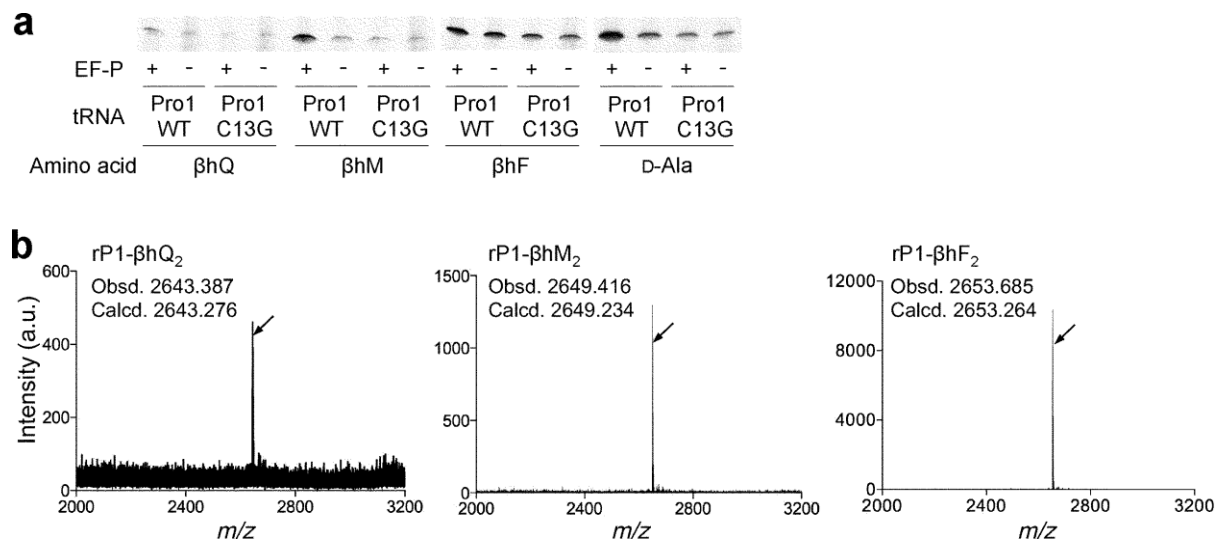
mRNA (mR9): AUG UAC AAG AAG UAC AAA AAG UAC AAA **CAU ACU AUU ACU CAU** flag UAA
 reprogrammed peptide (rP9): fMet Tyr Lys Lys Tyr Lys Lys Tyr Lys β hF D-Ser β hM D-Ser β hF flag (stop)

mRNA (mR10): **AUG ACU ACU CAU** AAG AAG AAG flag UAA
 reprogrammed peptide (rP10): ^{ClAc}D^F β hM β hM D-Cys Lys Lys Lys flag (stop)

mRNA (mR11): **AUG ACU ACU ACU CAU** AAG AAG AAG flag UAA
 reprogrammed peptide (rP11): ^{ClAc}D^F β hM β hM β hM D-Cys Lys Lys Lys flag (stop)

b**c****d**

[Fig.15]



[Fig.16]

