

**A****Serine tRNA, loop D**

E.coli	UACCGGGGGUUCAAAUCCCCC
N.meni	UC-CGUGAGUUCGAAUCUCAC
SS_struct	...,<<<<<_____>>>>>
SS	.YY..Y.Y....Y....Y.Y.
RY	.NN..N.Y....Y....Y.N.

Length:	21
# mutations:	7
SS:	7/7
RY:	3/7

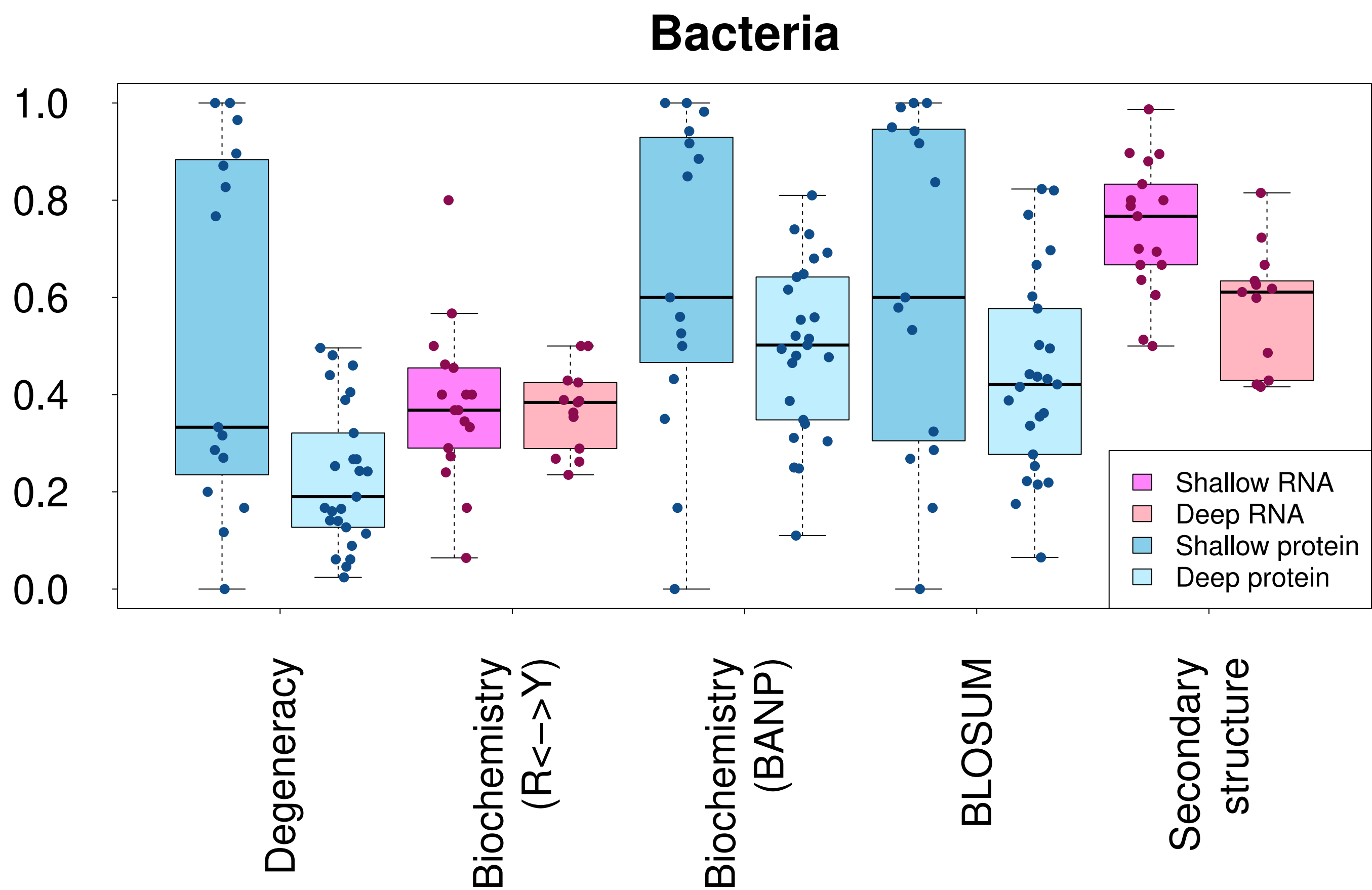
**B****Seryl-tRNA synthetase**

E.coli (nuc)	-----GAAGATATCGAGCCT
E.coli (aa)	. . E D I E P
N.meni (nuc)	AAACATGAAGAGGCGCAGGTG
N.meni (aa)	K H E E A Q V
Degeneracy	NNNNNN.....NNNNN..NNN
BANP	NNNNNN.....YYYYN..YYY
BLOSUM	NNNNNN.....YNNNY..NNN

Length:	21
# mutations:	14
Coding:	0/14
BANP:	7/14
BLOSUM:	2/14

**C**

Proportion of (near) neutral mutations

**D**

Proportion of (near) neutral mutations

