

tryptophan	alanine	free space	phenylalanine	isoleucine
cysteine	threonine	lysine	arginine	stop
tyrosine	asparagine	glutamine	glycine	serine
histidine	methionine	free space	leucine	aspartic acid
proline	free space	valine	free space	glutamic acid

tyrosine	asparagine	stop	arginine	aspartic acid
free space	serine	glutamine	isoleucine	methionine
cysteine	free space	lysine	leucine	tryptophan
histidine	free space	threonine	free space	phenylalanine
proline	valine	glutamic acid	alanine	glycine

serine	leucine	free space	free space	free space
aspartic acid	glutamic acid	cysteine	glutamine	tryptophan
histidine	proline	lysine	asparagine	threonine
tyrosine	methionine	valine	arganine	alanine
glycine	stop	phenylalanine	free space	isoleucine