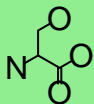




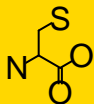
glycine
(Gly / G)



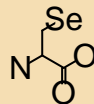
alanine
(Ala / A)



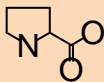
serine
(Ser / S)



cysteine
(Cys / C)



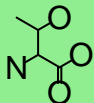
selenocysteine
(Sec / U)



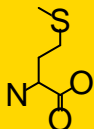
proline
(Pro / P)



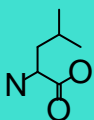
valine
(Val / V)



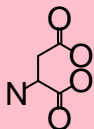
threonine
(Thr / T)



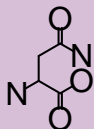
methionine
(Met / M)



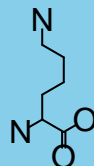
leucine
(Leu / L)



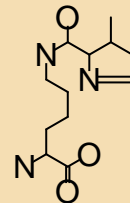
aspartic acid
(Asp / D)



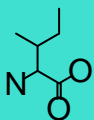
asparagine
(Asn / N)



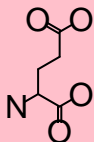
lysine
(Lys / K)



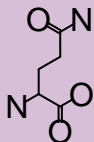
pyrrolysine
(Pyl / O)



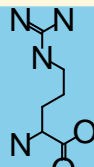
isoleucine
(Ile / I)



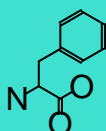
glutamic acid
(Glu / E)



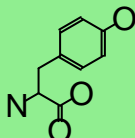
glutamine
(Gln / Q)



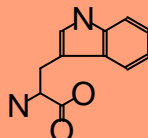
arginine
(Arg / R)



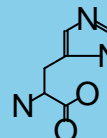
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



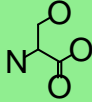
histidine
(His / H)



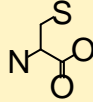
glycine
(Gly / G)



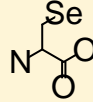
alanine
(Ala / A)



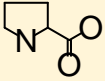
serine
(Ser / S)



cysteine
(Cys / C)



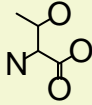
selenocysteine
(Sec / U)



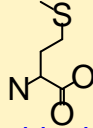
proline
(Pro / P)



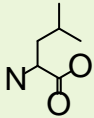
valine
(Val / V)



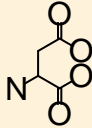
threonine
(Thr / T)



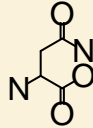
methionine
(Met / M)



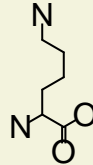
leucine
(Leu / L)



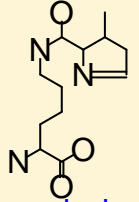
aspartic acid
(Asp / D)



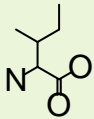
asparagine
(Asn / N)



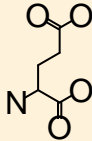
lysine
(Lys / K)



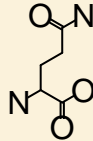
pyrrolysine
(Pyl / O)



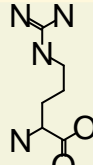
isoleucine
(Ile / I)



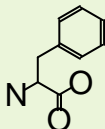
glutamic acid
(Glu / E)



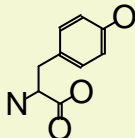
glutamine
(Gln / Q)



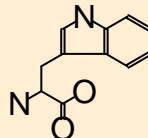
arginine
(Arg / R)



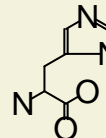
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

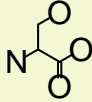
small



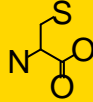
glycine
(Gly / G)



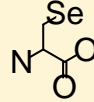
alanine
(Ala / A)



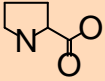
serine
(Ser / S)



cysteine
(Cys / C)



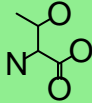
selenocysteine
(Sec / U)



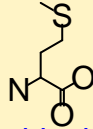
proline
(Pro / P)



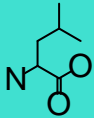
valine
(Val / V)



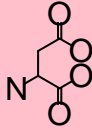
threonine
(Thr / T)



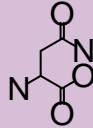
methionine
(Met / M)



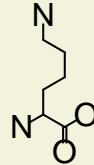
leucine
(Leu / L)



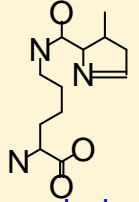
aspartic acid
(Asp / D)



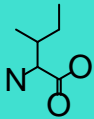
asparagine
(Asn / N)



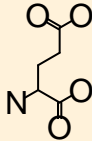
lysine
(Lys / K)



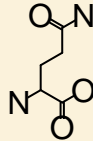
pyrrolysine
(Pyl / O)



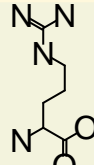
isoleucine
(Ile / I)



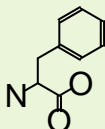
glutamic acid
(Glu / E)



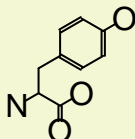
glutamine
(Gln / Q)



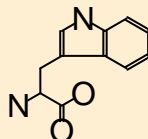
arginine
(Arg / R)



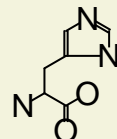
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

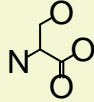
medium



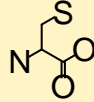
glycine
(Gly / G)



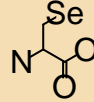
alanine
(Ala / A)



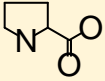
serine
(Ser / S)



cysteine
(Cys / C)



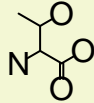
selenocysteine
(Sec / U)



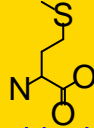
proline
(Pro / P)



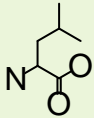
valine
(Val / V)



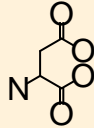
threonine
(Thr / T)



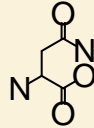
methionine
(Met / M)



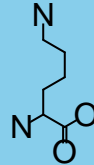
leucine
(Leu / L)



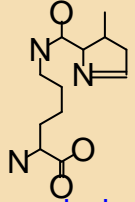
aspartic acid
(Asp / D)



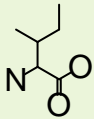
asparagine
(Asn / N)



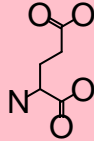
lysine
(Lys / K)



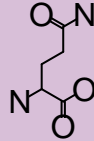
pyrrolysine
(Pyl / O)



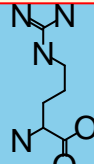
isoleucine
(Ile / I)



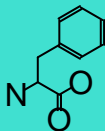
glutamic acid
(Glu / E)



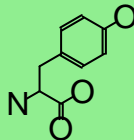
glutamine
(Gln / Q)



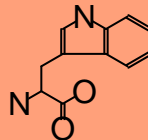
arginine
(Arg / R)



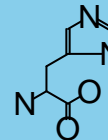
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

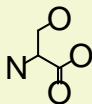
large



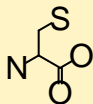
glycine
(Gly / G)



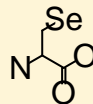
alanine
(Ala / A)



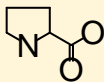
serine
(Ser / S)



cysteine
(Cys / C)



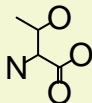
selenocysteine
(Sec / U)



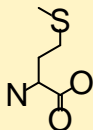
proline
(Pro / P)



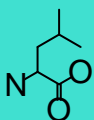
valine
(Val / V)



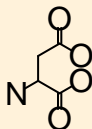
threonine
(Thr / T)



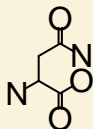
methionine
(Met / M)



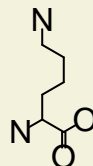
leucine
(Leu / L)



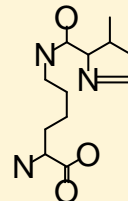
aspartic acid
(Asp / D)



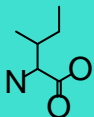
asparagine
(Asn / N)



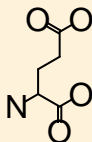
lysine
(Lys / K)



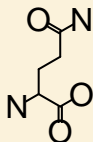
pyrrolysine
(Pyl / O)



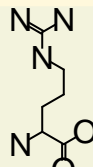
isoleucine
(Ile / I)



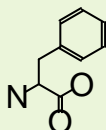
glutamic acid
(Glu / E)



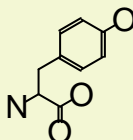
glutamine
(Gln / Q)



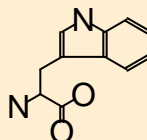
arginine
(Arg / R)



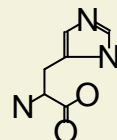
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

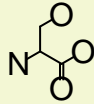
aliphatic



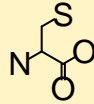
glycine
(Gly / G)



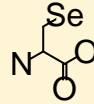
alanine
(Ala / A)



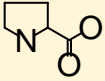
serine
(Ser / S)



cysteine
(Cys / C)



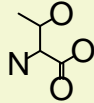
selenocysteine
(Sec / U)



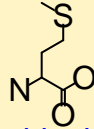
proline
(Pro / P)



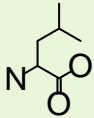
valine
(Val / V)



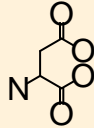
threonine
(Thr / T)



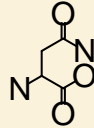
methionine
(Met / M)



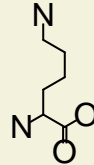
leucine
(Leu / L)



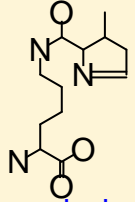
aspartic acid
(Asp / D)



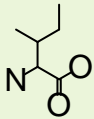
asparagine
(Asn / N)



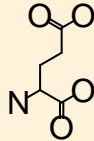
lysine
(Lys / K)



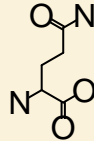
pyrrolysine
(Pyl / O)



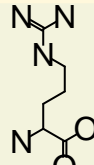
isoleucine
(Ile / I)



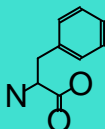
glutamic acid
(Glu / E)



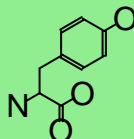
glutamine
(Gln / Q)



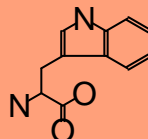
arginine
(Arg / R)



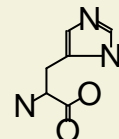
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

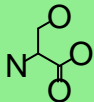
aromatic



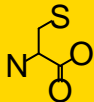
glycine
(Gly / G)



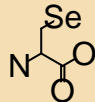
alanine
(Ala / A)



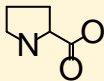
serine
(Ser / S)



cysteine
(Cys / C)



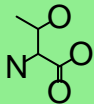
selenocysteine
(Sec / U)



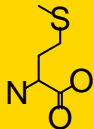
proline
(Pro / P)



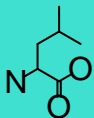
valine
(Val / V)



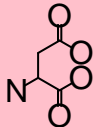
threonine
(Thr / T)



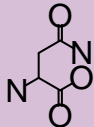
methionine
(Met / M)



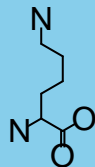
leucine
(Leu / L)



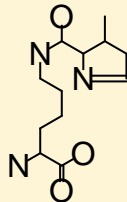
aspartic acid
(Asp / D)



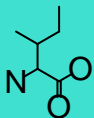
asparagine
(Asn / N)



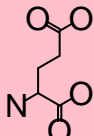
lysine
(Lys / K)



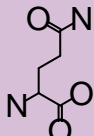
pyrrolysine
(Pyl / O)



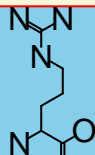
isoleucine
(Ile / I)



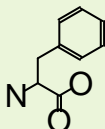
glutamic acid
(Glu / E)



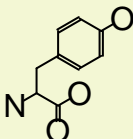
glutamine
(Gln / Q)



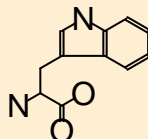
arginine
(Arg / R)



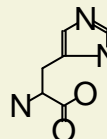
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

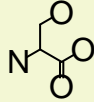
acyclic



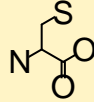
glycine
(Gly / G)



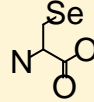
alanine
(Ala / A)



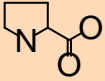
serine
(Ser / S)



cysteine
(Cys / C)



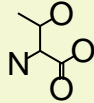
selenocysteine
(Sec / U)



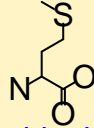
proline
(Pro / P)



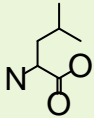
valine
(Val / V)



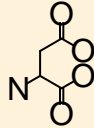
threonine
(Thr / T)



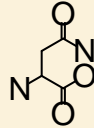
methionine
(Met / M)



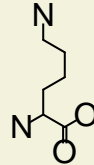
leucine
(Leu / L)



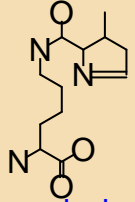
aspartic acid
(Asp / D)



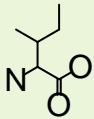
asparagine
(Asn / N)



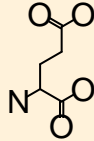
lysine
(Lys / K)



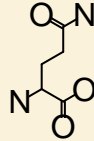
pyrrolysine
(Pyl / O)



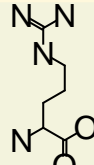
isoleucine
(Ile / I)



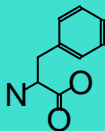
glutamic acid
(Glu / E)



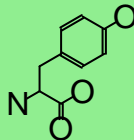
glutamine
(Gln / Q)



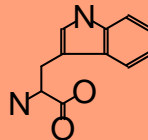
arginine
(Arg / R)



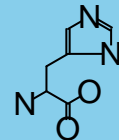
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

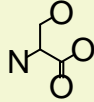
cyclic



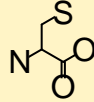
glycine
(Gly / G)



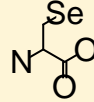
alanine
(Ala / A)



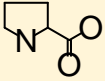
serine
(Ser / S)



cysteine
(Cys / C)



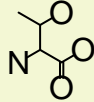
selenocysteine
(Sec / U)



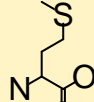
proline
(Pro / P)



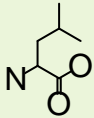
valine
(Val / V)



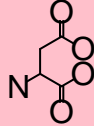
threonine
(Thr / T)



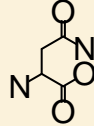
methionine
(Met / M)



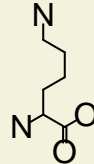
leucine
(Leu / L)



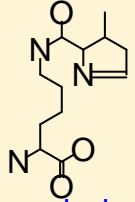
aspartic acid
(Asp / D)



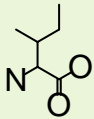
asparagine
(Asn / N)



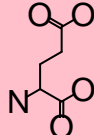
lysine
(Lys / K)



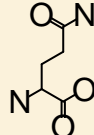
pyrrolysine
(Pyl / O)



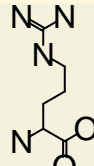
isoleucine
(Ile / I)



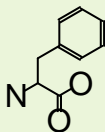
glutamic acid
(Glu / E)



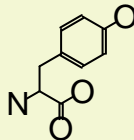
glutamine
(Gln / Q)



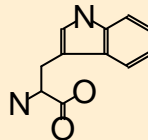
arginine
(Arg / R)



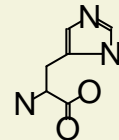
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

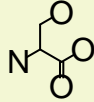
acidic



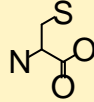
glycine
(Gly / G)



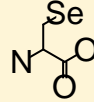
alanine
(Ala / A)



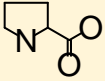
serine
(Ser / S)



cysteine
(Cys / C)



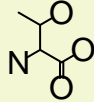
selenocysteine
(Sec / U)



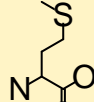
proline
(Pro / P)



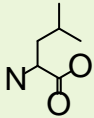
valine
(Val / V)



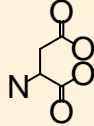
threonine
(Thr / T)



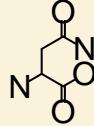
methionine
(Met / M)



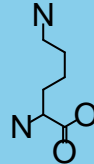
leucine
(Leu / L)



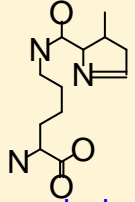
aspartic acid
(Asp / D)



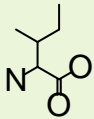
asparagine
(Asn / N)



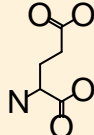
lysine
(Lys / K)



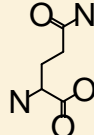
pyrrolysine
(Pyl / O)



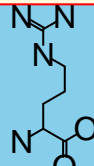
isoleucine
(Ile / I)



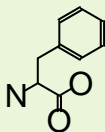
glutamic acid
(Glu / E)



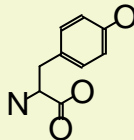
glutamine
(Gln / Q)



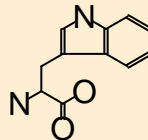
arginine
(Arg / R)



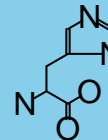
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

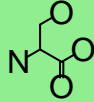
basic



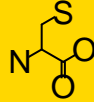
glycine
(Gly / G)



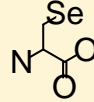
alanine
(Ala / A)



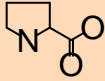
serine
(Ser / S)



cysteine
(Cys / C)



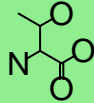
selenocysteine
(Sec / U)



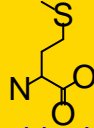
proline
(Pro / P)



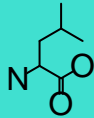
valine
(Val / V)



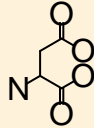
threonine
(Thr / T)



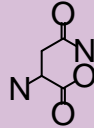
methionine
(Met / M)



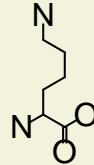
leucine
(Leu / L)



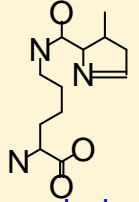
aspartic acid
(Asp / D)



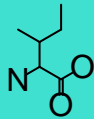
asparagine
(Asn / N)



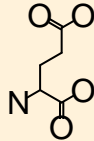
lysine
(Lys / K)



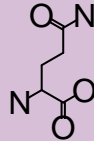
pyrrolysine
(Pyl / O)



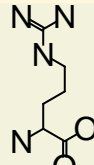
isoleucine
(Ile / I)



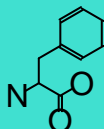
glutamic acid
(Glu / E)



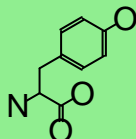
glutamine
(Gln / Q)



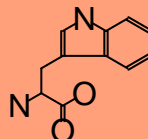
arginine
(Arg / R)



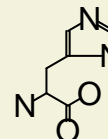
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

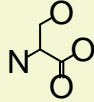
neutral



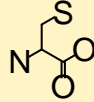
glycine
(Gly / G)



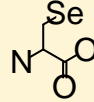
alanine
(Ala / A)



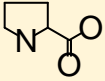
serine
(Ser / S)



cysteine
(Cys / C)



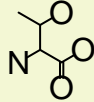
selenocysteine
(Sec / U)



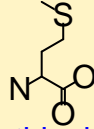
proline
(Pro / P)



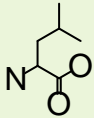
valine
(Val / V)



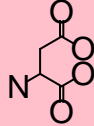
threonine
(Thr / T)



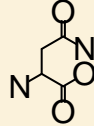
methionine
(Met / M)



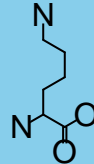
leucine
(Leu / L)



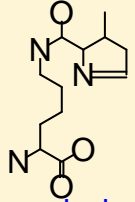
aspartic acid
(Asp / D)



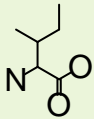
asparagine
(Asn / N)



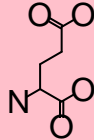
lysine
(Lys / K)



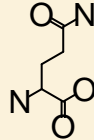
pyrrolysine
(Pyl / O)



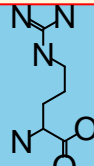
isoleucine
(Ile / I)



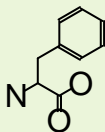
glutamic acid
(Glu / E)



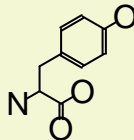
glutamine
(Gln / Q)



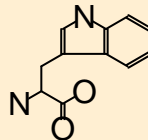
arginine
(Arg / R)



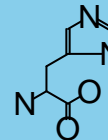
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

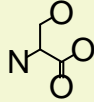
charged



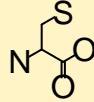
glycine
(Gly / G)



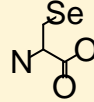
alanine
(Ala / A)



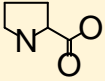
serine
(Ser / S)



cysteine
(Cys / C)



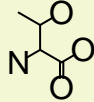
selenocysteine
(Sec / U)



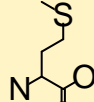
proline
(Pro / P)



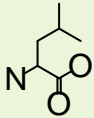
valine
(Val / V)



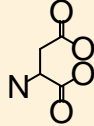
threonine
(Thr / T)



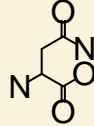
methionine
(Met / M)



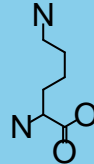
leucine
(Leu / L)



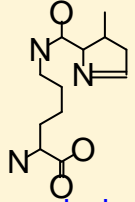
aspartic acid
(Asp / D)



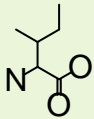
asparagine
(Asn / N)



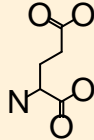
lysine
(Lys / K)



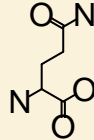
pyrrolysine
(Pyl / O)



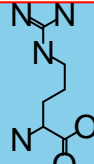
isoleucine
(Ile / I)



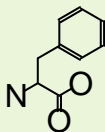
glutamic acid
(Glu / E)



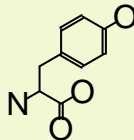
glutamine
(Gln / Q)



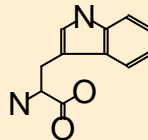
arginine
(Arg / R)



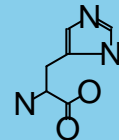
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

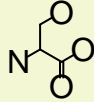
positive



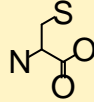
glycine
(Gly / G)



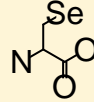
alanine
(Ala / A)



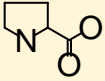
serine
(Ser / S)



cysteine
(Cys / C)



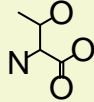
selenocysteine
(Sec / U)



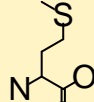
proline
(Pro / P)



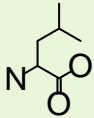
valine
(Val / V)



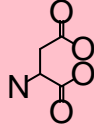
threonine
(Thr / T)



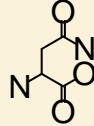
methionine
(Met / M)



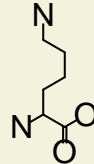
leucine
(Leu / L)



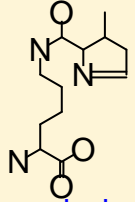
aspartic acid
(Asp / D)



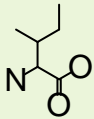
asparagine
(Asn / N)



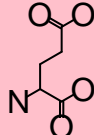
lysine
(Lys / K)



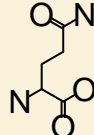
pyrrolysine
(Pyl / O)



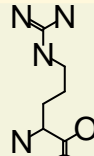
isoleucine
(Ile / I)



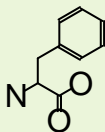
glutamic acid
(Glu / E)



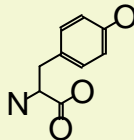
glutamine
(Gln / Q)



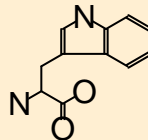
arginine
(Arg / R)



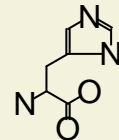
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

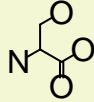
negative



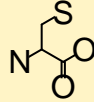
glycine
(Gly / G)



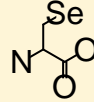
alanine
(Ala / A)



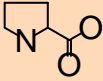
serine
(Ser / S)



cysteine
(Cys / C)



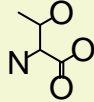
selenocysteine
(Sec / U)



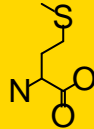
proline
(Pro / P)



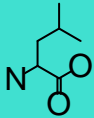
valine
(Val / V)



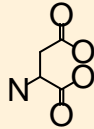
threonine
(Thr / T)



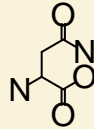
methionine
(Met / M)



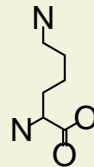
leucine
(Leu / L)



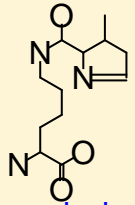
aspartic acid
(Asp / D)



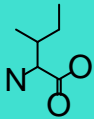
asparagine
(Asn / N)



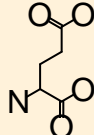
lysine
(Lys / K)



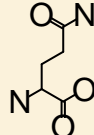
pyrrolysine
(Pyl / O)



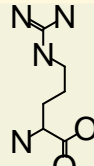
isoleucine
(Ile / I)



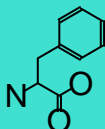
glutamic acid
(Glu / E)



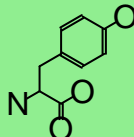
glutamine
(Gln / Q)



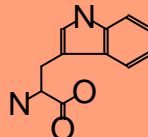
arginine
(Arg / R)



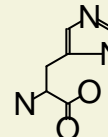
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

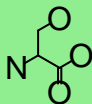
hydrophobic



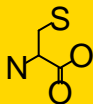
glycine
(Gly / G)



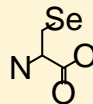
alanine
(Ala / A)



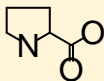
serine
(Ser / S)



cysteine
(Cys / C)



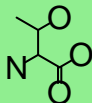
selenocysteine
(Sec / U)



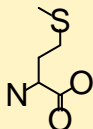
proline
(Pro / P)



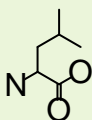
valine
(Val / V)



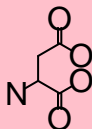
threonine
(Thr / T)



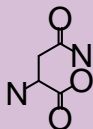
methionine
(Met / M)



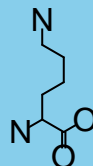
leucine
(Leu / L)



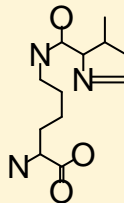
aspartic acid
(Asp / D)



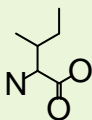
asparagine
(Asn / N)



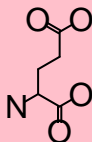
lysine
(Lys / K)



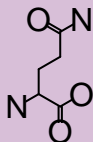
pyrrolysine
(Pyl / O)



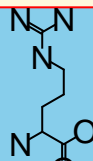
isoleucine
(Ile / I)



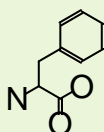
glutamic acid
(Glu / E)



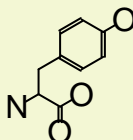
glutamine
(Gln / Q)



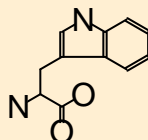
arginine
(Arg / R)



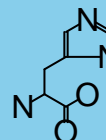
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

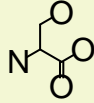
polar



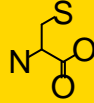
glycine
(Gly / G)



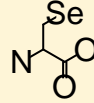
alanine
(Ala / A)



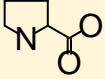
serine
(Ser / S)



cysteine
(Cys / C)



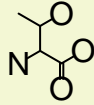
selenocysteine
(Sec / U)



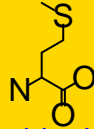
proline
(Pro / P)



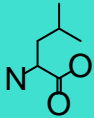
valine
(Val / V)



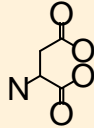
threonine
(Thr / T)



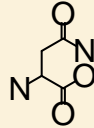
methionine
(Met / M)



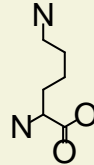
leucine
(Leu / L)



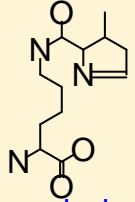
aspartic acid
(Asp / D)



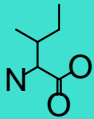
asparagine
(Asn / N)



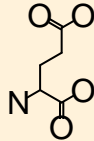
lysine
(Lys / K)



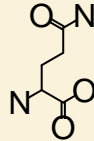
pyrrolysine
(Pyl / O)



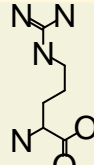
isoleucine
(Ile / I)



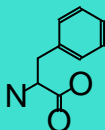
glutamic acid
(Glu / E)



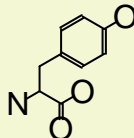
glutamine
(Gln / Q)



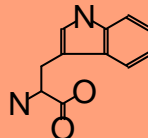
arginine
(Arg / R)



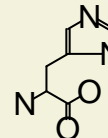
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

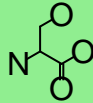
buried



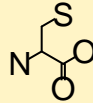
glycine
(Gly / G)



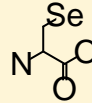
alanine
(Ala / A)



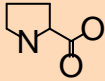
serine
(Ser / S)



cysteine
(Cys / C)



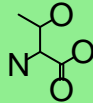
selenocysteine
(Sec / U)



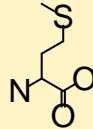
proline
(Pro / P)



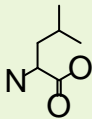
valine
(Val / V)



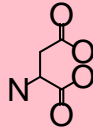
threonine
(Thr / T)



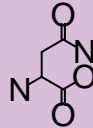
methionine
(Met / M)



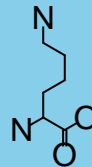
leucine
(Leu / L)



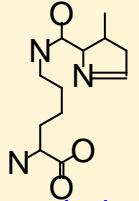
aspartic acid
(Asp / D)



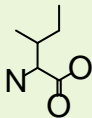
asparagine
(Asn / N)



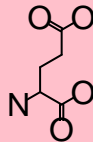
lysine
(Lys / K)



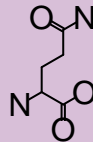
pyrrolysine
(Pyl / O)



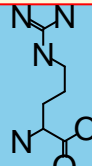
isoleucine
(Ile / I)



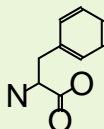
glutamic acid
(Glu / E)



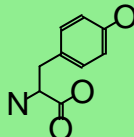
glutamine
(Gln / Q)



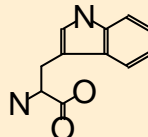
arginine
(Arg / R)



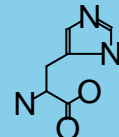
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

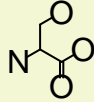
surface



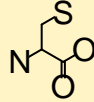
glycine
(Gly / G)



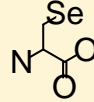
alanine
(Ala / A)



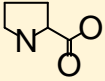
serine
(Ser / S)



cysteine
(Cys / C)



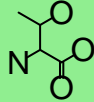
selenocysteine
(Sec / U)



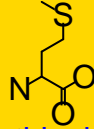
proline
(Pro / P)



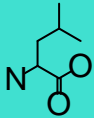
valine
(Val / V)



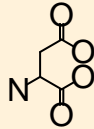
threonine
(Thr / T)



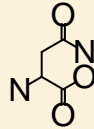
methionine
(Met / M)



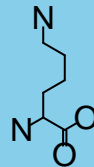
leucine
(Leu / L)



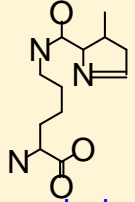
aspartic acid
(Asp / D)



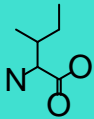
asparagine
(Asn / N)



lysine
(Lys / K)



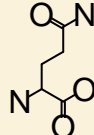
pyrrolysine
(Pyl / O)



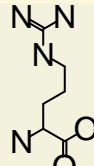
isoleucine
(Ile / I)



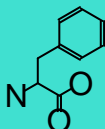
glutamic acid
(Glu / E)



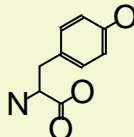
glutamine
(Gln / Q)



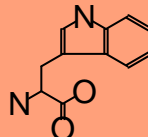
arginine
(Arg / R)



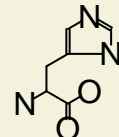
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

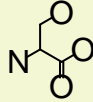
essential



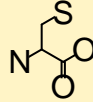
glycine
(Gly / G)



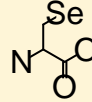
alanine
(Ala / A)



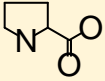
serine
(Ser / S)



cysteine
(Cys / C)



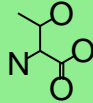
selenocysteine
(Sec / U)



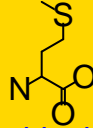
proline
(Pro / P)



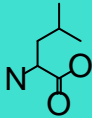
valine
(Val / V)



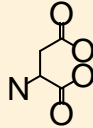
threonine
(Thr / T)



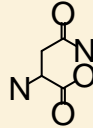
methionine
(Met / M)



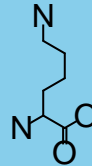
leucine
(Leu / L)



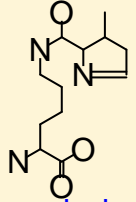
aspartic acid
(Asp / D)



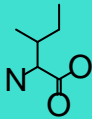
asparagine
(Asn / N)



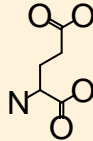
lysine
(Lys / K)



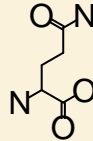
pyrrolysine
(Pyl / O)



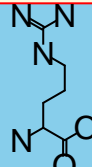
isoleucine
(Ile / I)



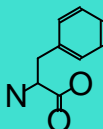
glutamic acid
(Glu / E)



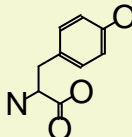
glutamine
(Gln / Q)



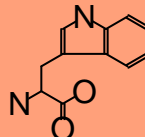
arginine
(Arg / R)



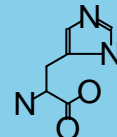
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

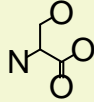
essential2



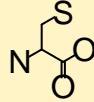
glycine
(Gly / G)



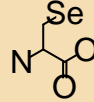
alanine
(Ala / A)



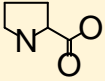
serine
(Ser / S)



cysteine
(Cys / C)



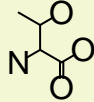
selenocysteine
(Sec / U)



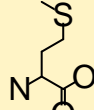
proline
(Pro / P)



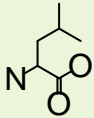
valine
(Val / V)



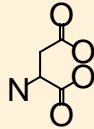
threonine
(Thr / T)



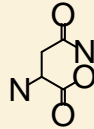
methionine
(Met / M)



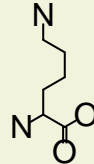
leucine
(Leu / L)



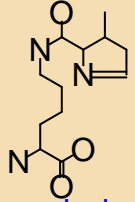
aspartic acid
(Asp / D)



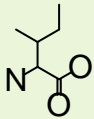
asparagine
(Asn / N)



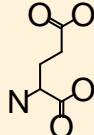
lysine
(Lys / K)



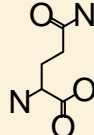
pyrrolysine
(Pyl / O)



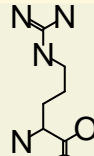
isoleucine
(Ile / I)



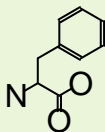
glutamic acid
(Glu / E)



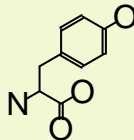
glutamine
(Gln / Q)



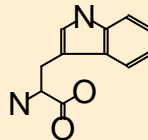
arginine
(Arg / R)



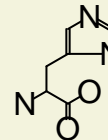
phenylalanine
(Phe / F)



tyrosine
(Tyr / Y)



tryptophan
(Trp / W)



histidine
(His / H)

newly