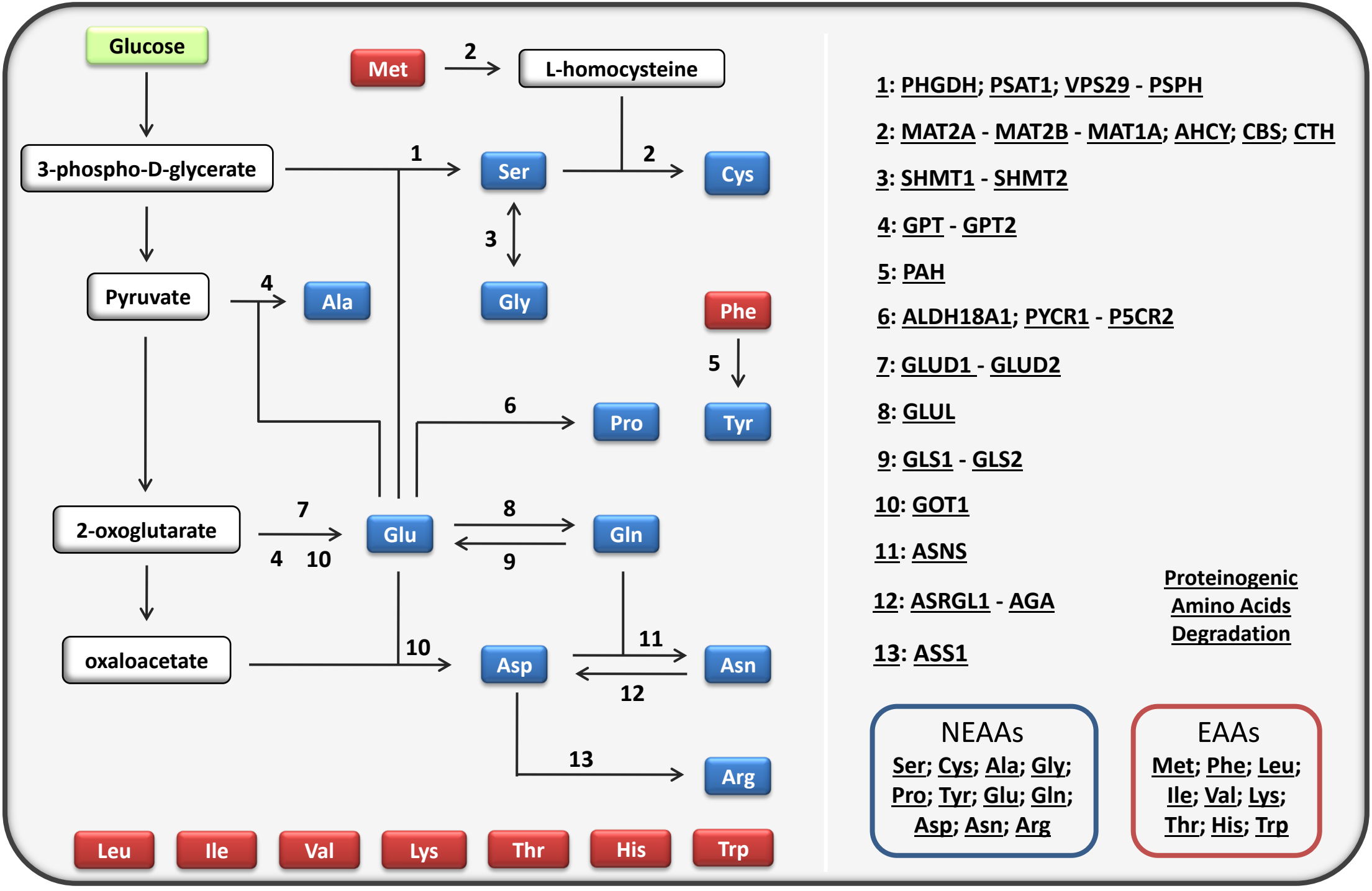
Glucose
3-phospho-D-glycerate
Pyruvate
2-oxoglutarate
oxaloacetate
Met
L-homocysteine
Ser
Cys
Gly
Ala
Phe
Tyr
Pro
Glu
Gln
Asp
Asn
Arg
Leu
Ile
Val
Lys
Thr
His
Trp
1
2
3
4
5
6
7
8
9
10
11
12
13
1: PHGDH; PSAT1; VPS29 - PSPH
2: MAT2A - MAT2B - MAT1A; AHCY; CBS; CTH
3: SHMT1 - SHMT2
4: GPT - GPT2
5: PAH
6: ALDH18A1; PYCR1 - P5CR2
7: GLUD1 - GLUD2
8: GLUL
9: GLS1 - GLS2
10: GOT1
11: ASNS
12: ASRGL1 - AGA
13: ASS1
Proteinogenic Amino Acids Degradation
NEAAs
Ser; Cys; Ala; Gly; Pro; Tyr; Glu; Gln; Asp; Asn; Arg
EAAs
Met; Phe; Leu; Ile; Val; Lys; Thr; His; Trp