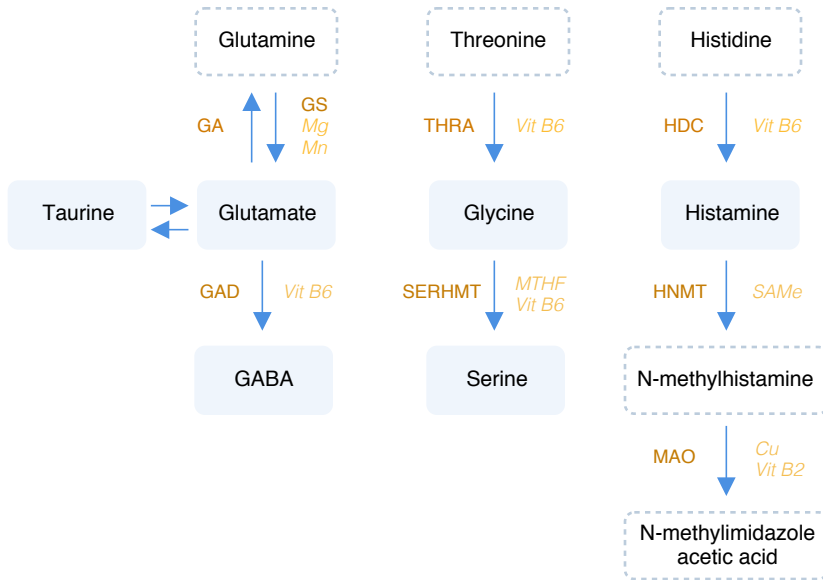
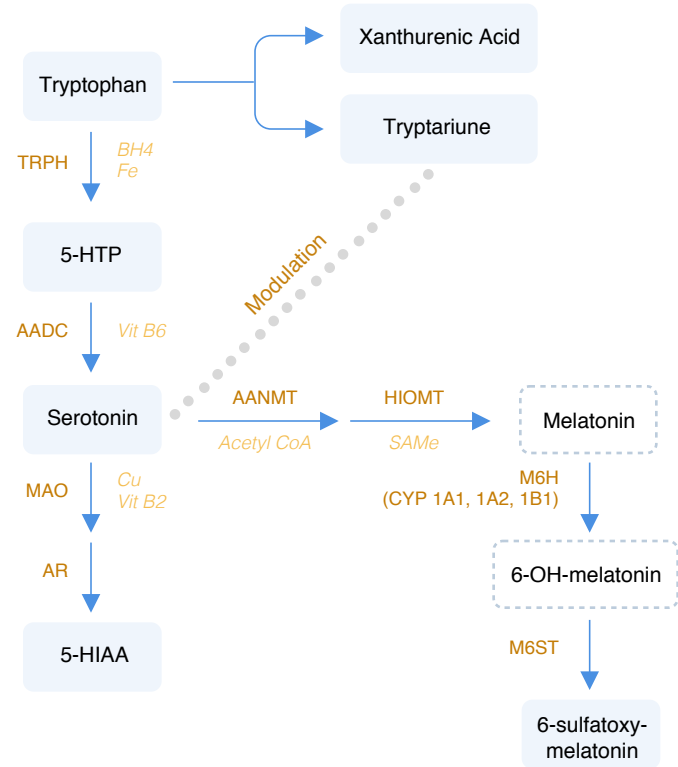


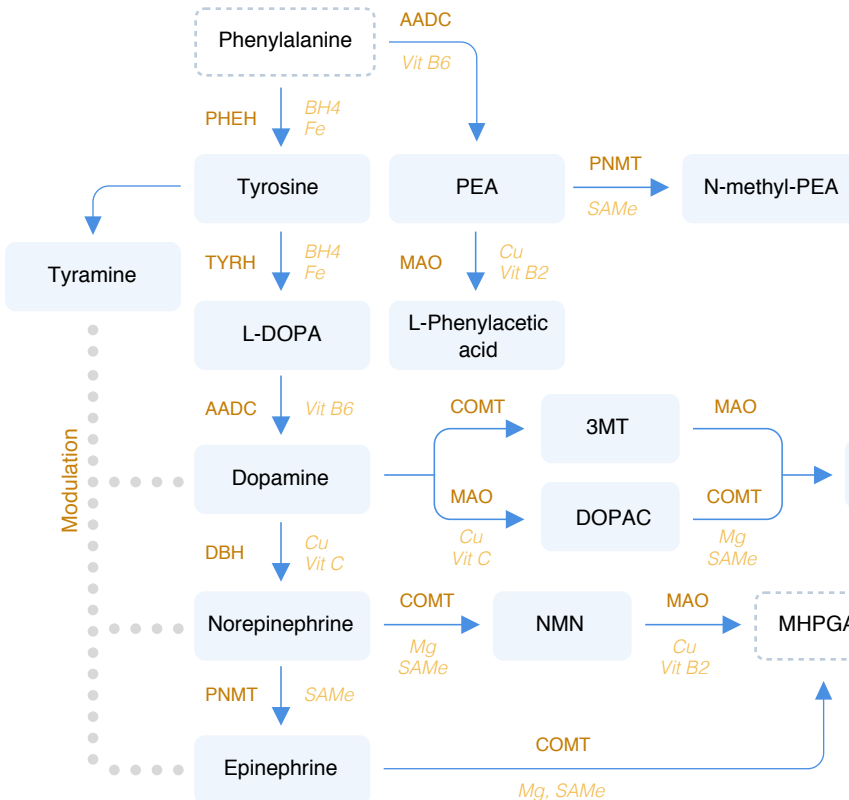
## Glutamate/GABA, Glycine & Histamine



## Serotonin & Metabolites



## Catecholamines & Metabolites



### Neurotransmitters & Metabolites

HVA	Homovanillic acid
NMN	Normetanephrine
PEA	Phenethylamine
VMA	Vanillylmandelic acid
5-HIAA	5-hydroxyindole 3-acetic acid

### Cofactors

BH4	Tetrahydrobiopterine
Cu	Copper
Fe	Iron
Mg	Magnesium
Mn	Manganese
MTHF	Methyltetrahydrofolate
S-AMe	S-adenosyl methionine

### Enzymes

AADC	Aromatic L-amino acid decarboxylase
AANMT	Arylalkylamine N-methyltransferase
AD	Aldehyde dehydrogenase
AR	Aldehyde reductase
COMT	Catechol-O-methyltransferase
DBH	Dopamine beta hydroxylase
GA	Glutaminase
GAD	Glutamate decarboxylase
GS	Glutamine synthetase
HDC	Histidine decarboxylase
HIOMT	Hydroxyindole-O-methyltransferase
HNMT	Histamine N-methyltransferase
MAO	Monoamine oxidase
M6H	Melatonin 6 hydroxylase
M6ST	Melatonin 6 sulfotransferase
PHEH	Phenylalanine hydroxylase
PNMT	Phenylethanolamine N-methyltransferase
SERHMT	Serine hydroxymethyltransferase
THRA	Threonine aldolase
TRPH	Tryptophan hydroxylase
TYRH	Tyrosine hydroxylase