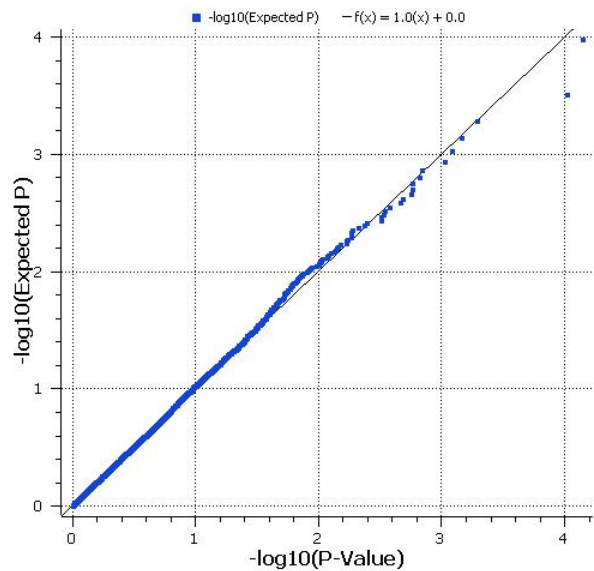
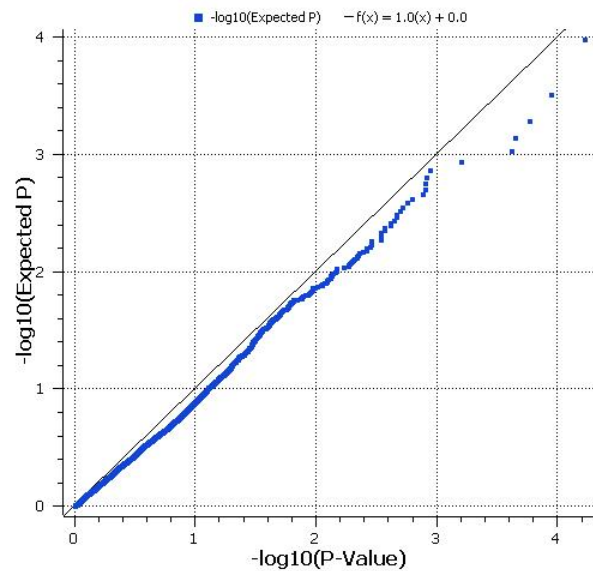


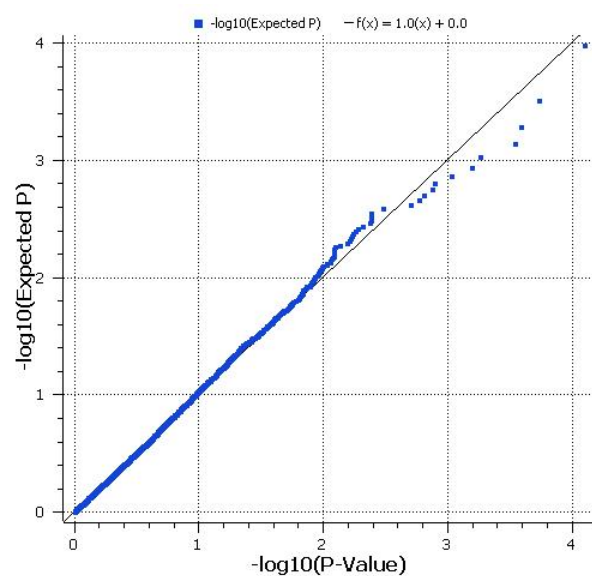
## Histidine



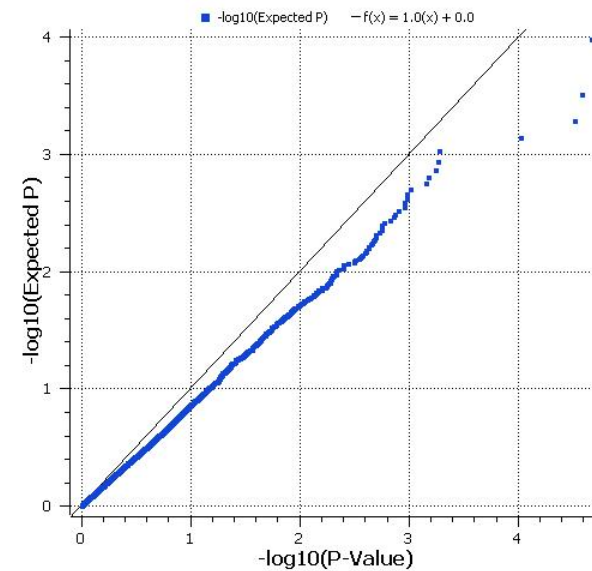
## Arginine



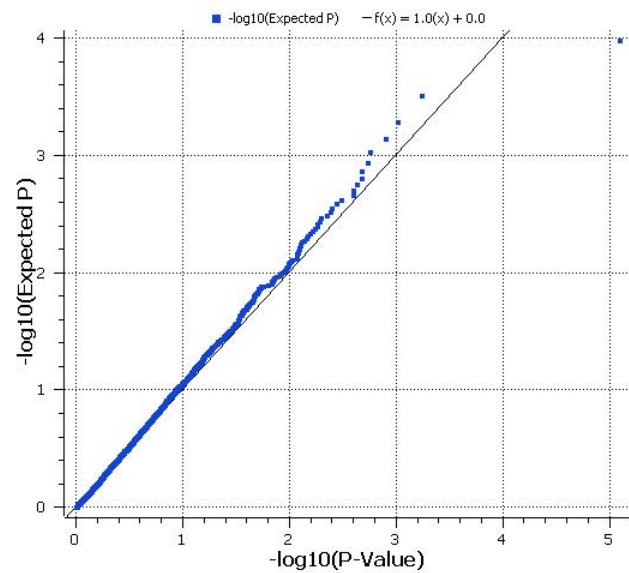
## Asparagine



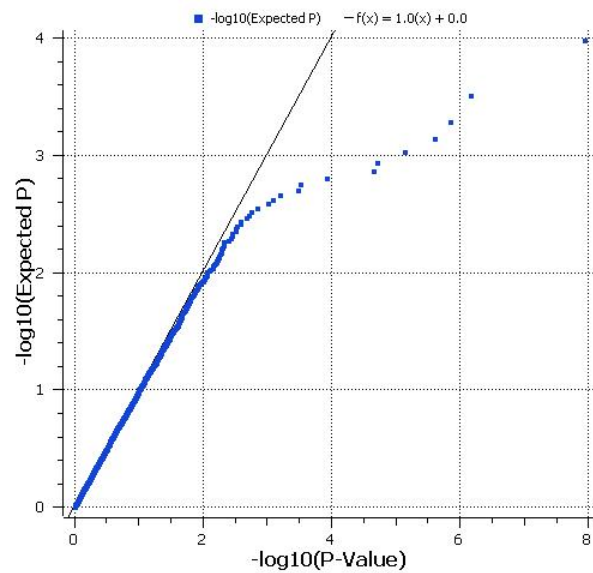
## Glutamine



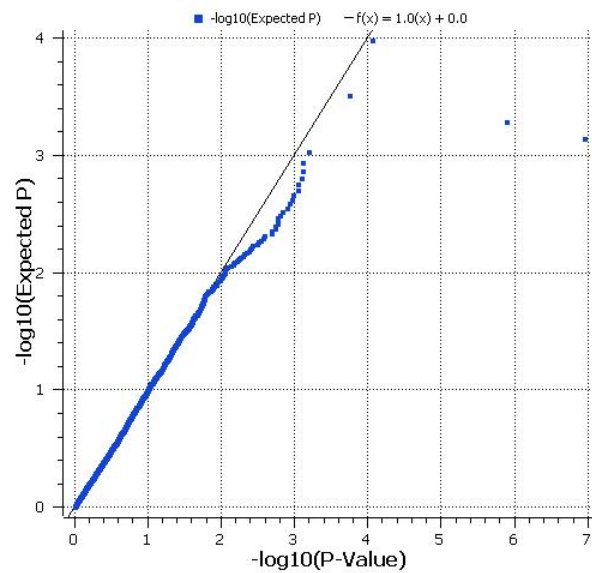
## Serine



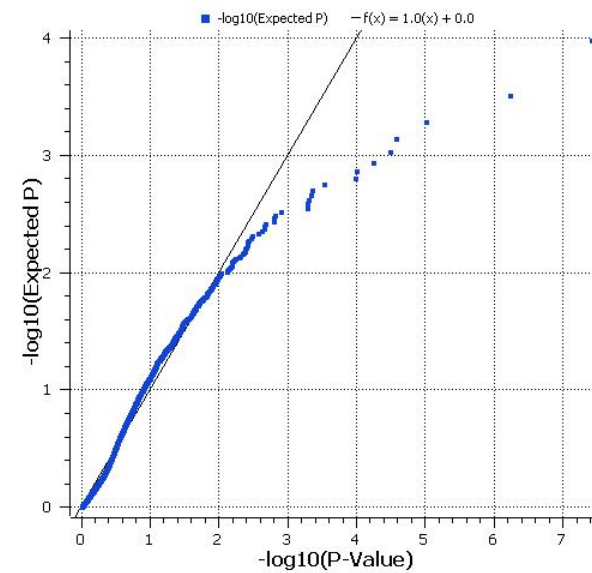
## Glutamic Acid



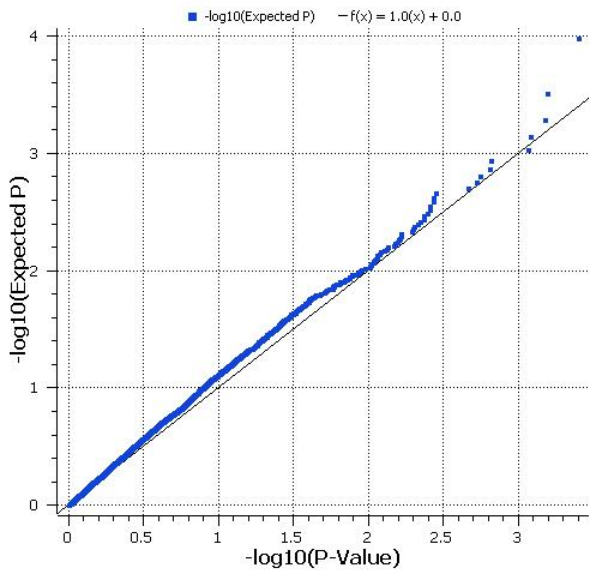
## Aspartic Acid



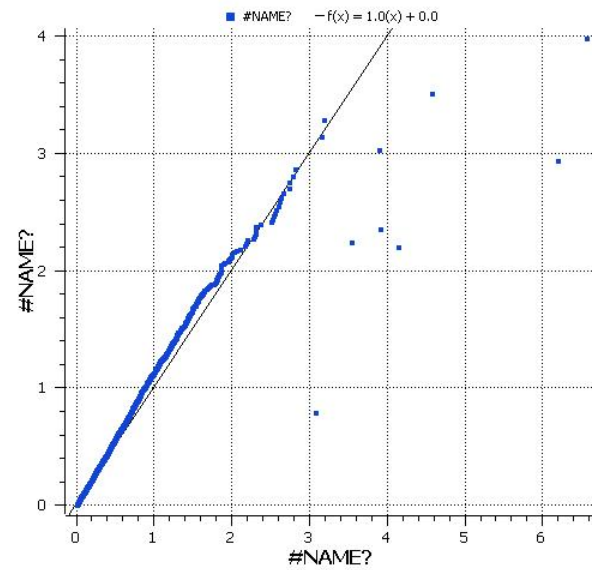
## Citrulline



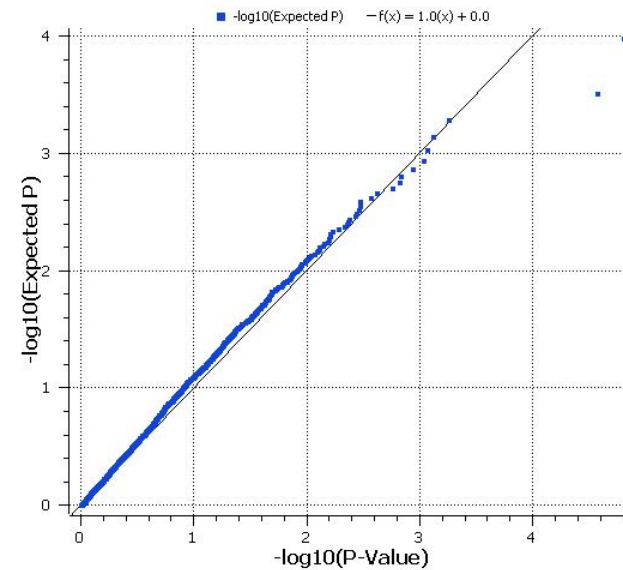
## Threonine



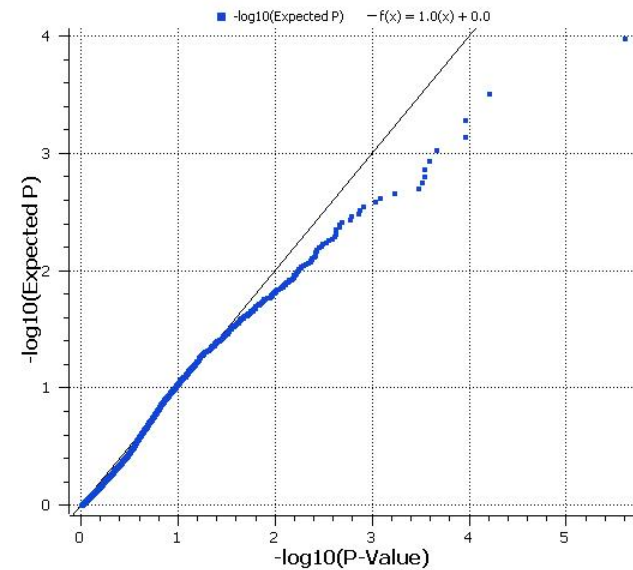
## Glycine



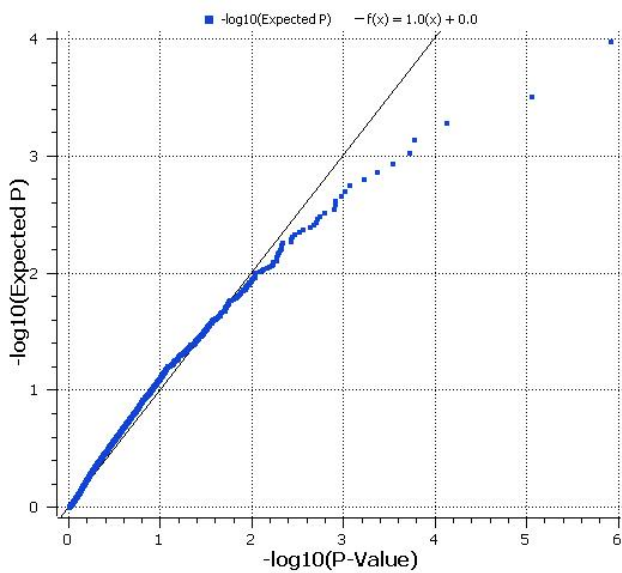
## Alanine



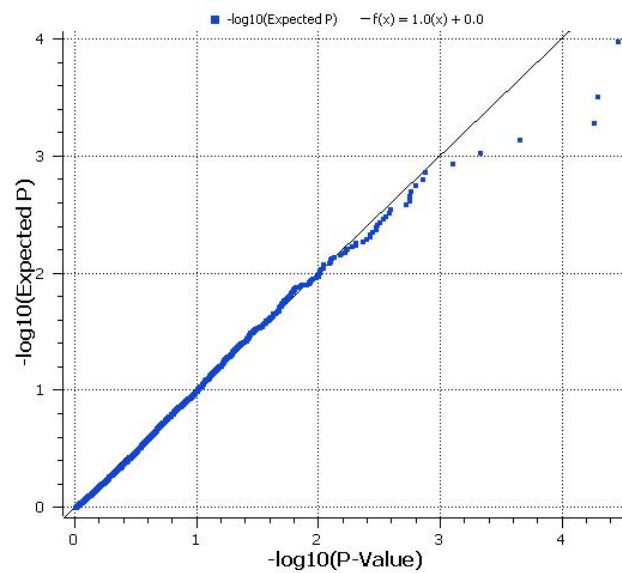
## GABA



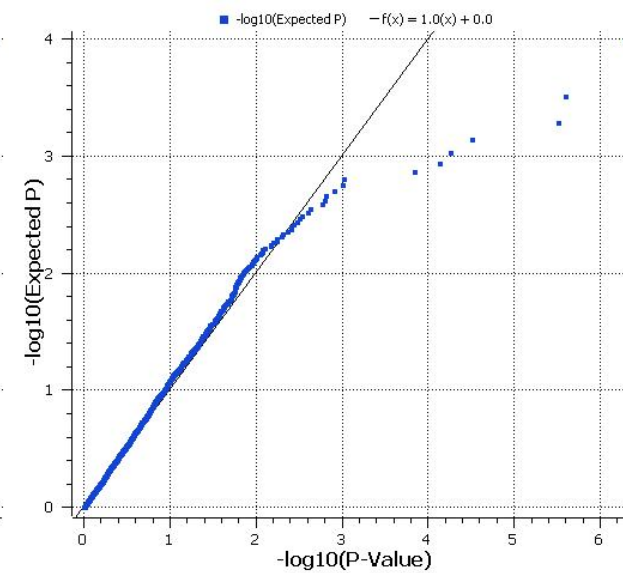
## Proline



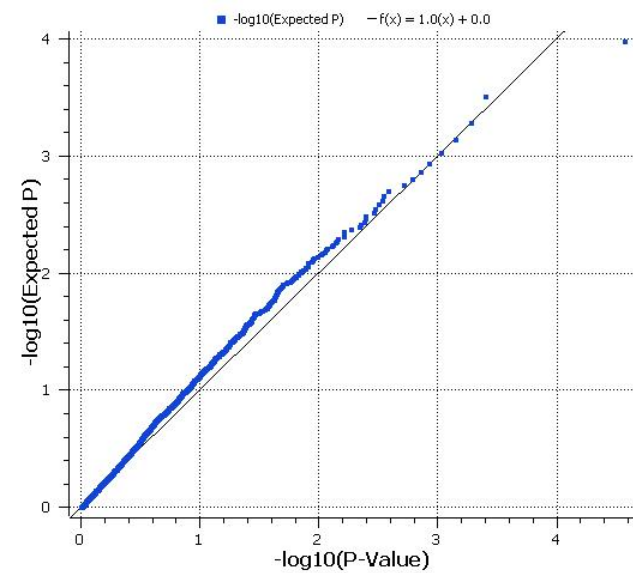
## L-Ornithine

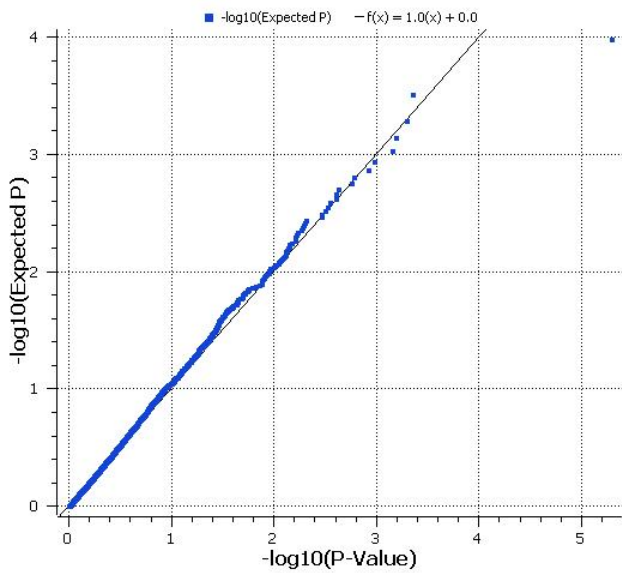
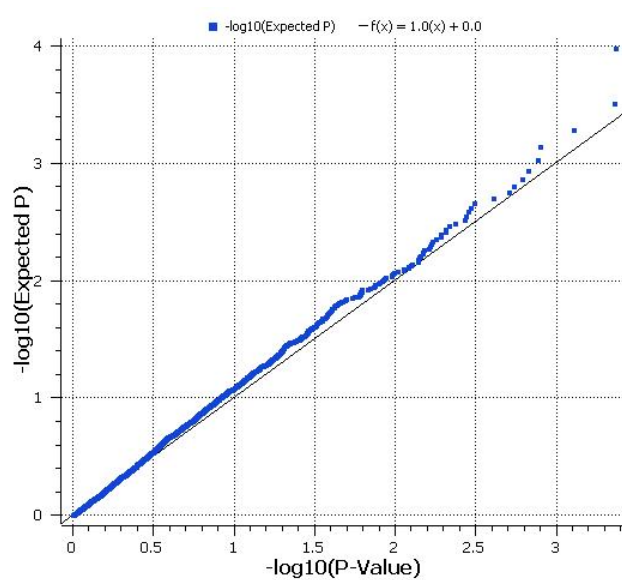
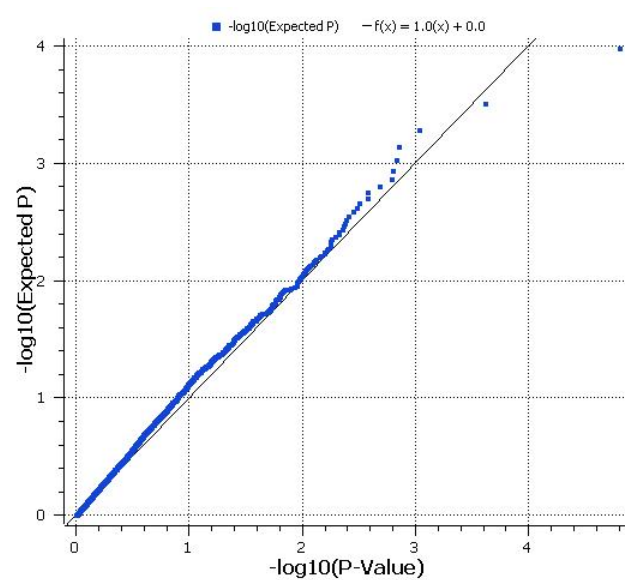
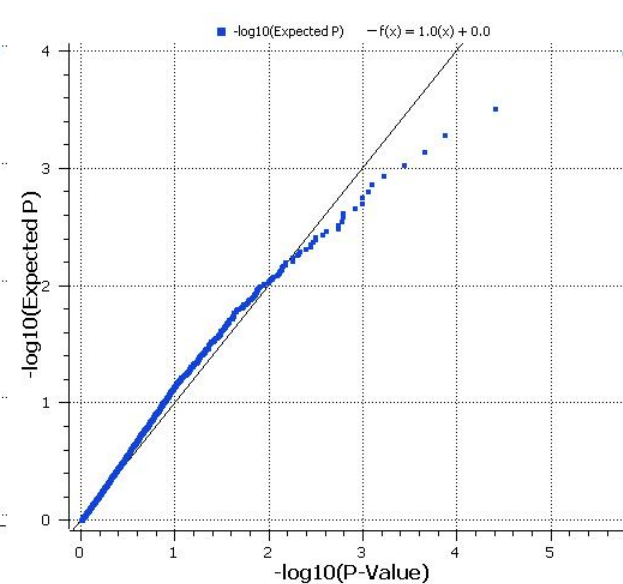
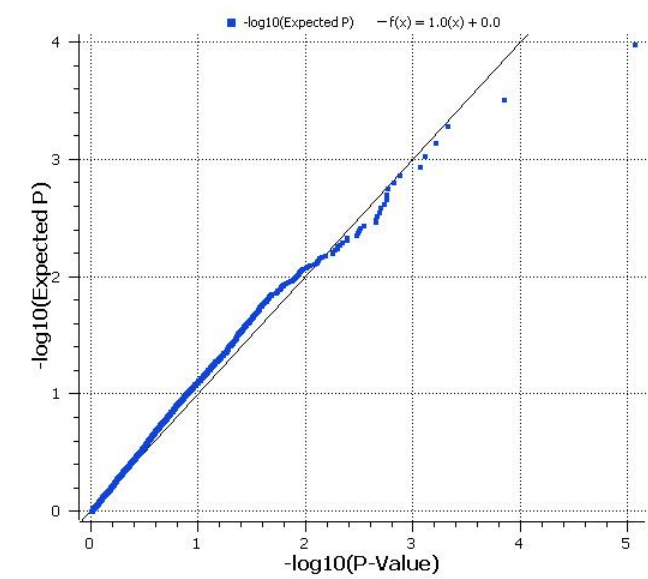
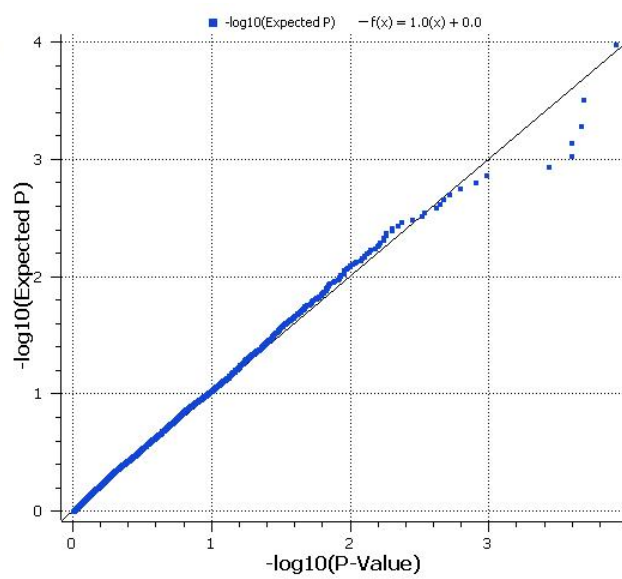
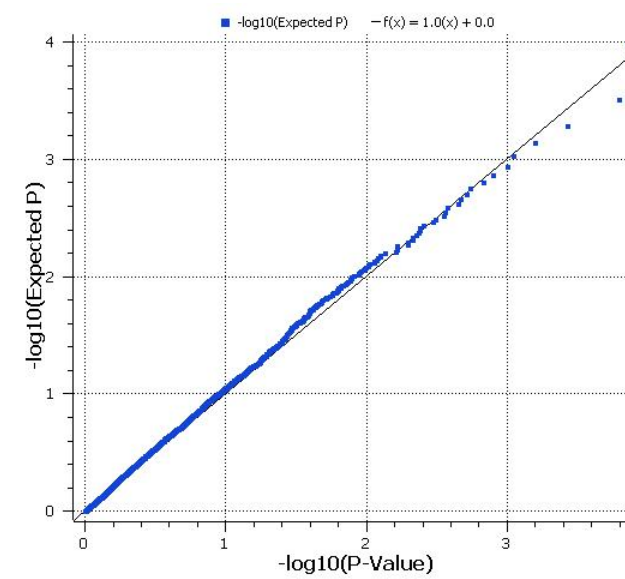
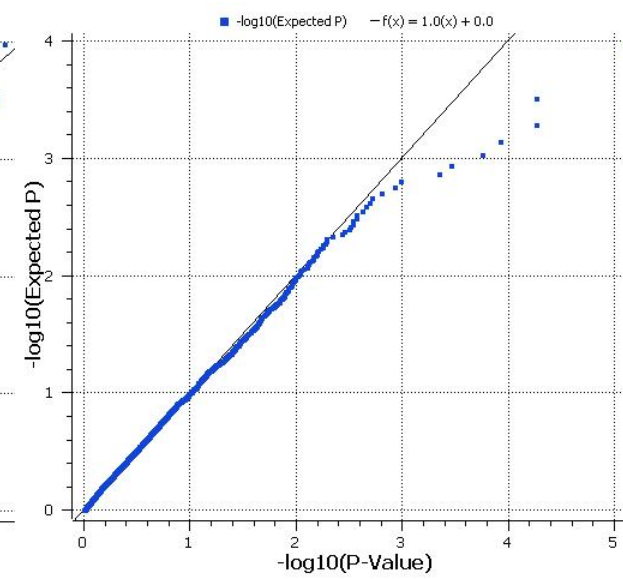


## Cystine

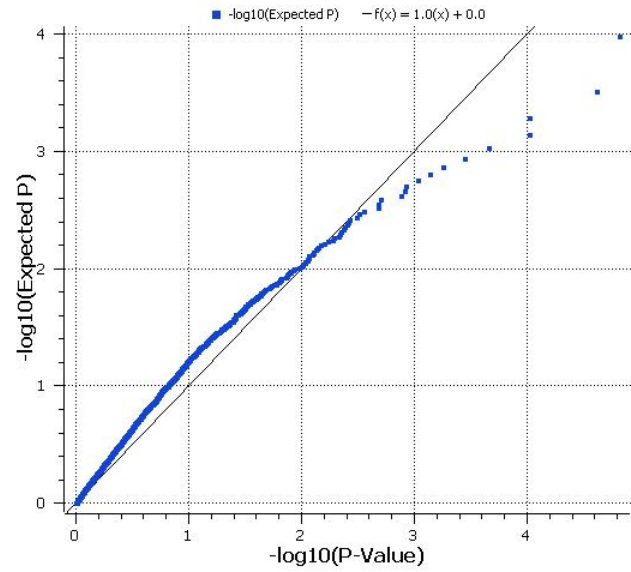


## Lysine

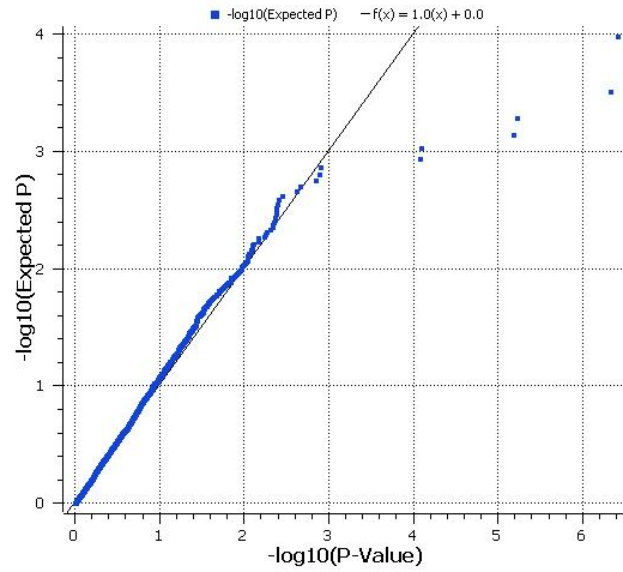


**Tyrosine****Methionine****Valine****Isoleucine****Leucine****Phenylalanine****Ethanolamine****Hydroxylysine**

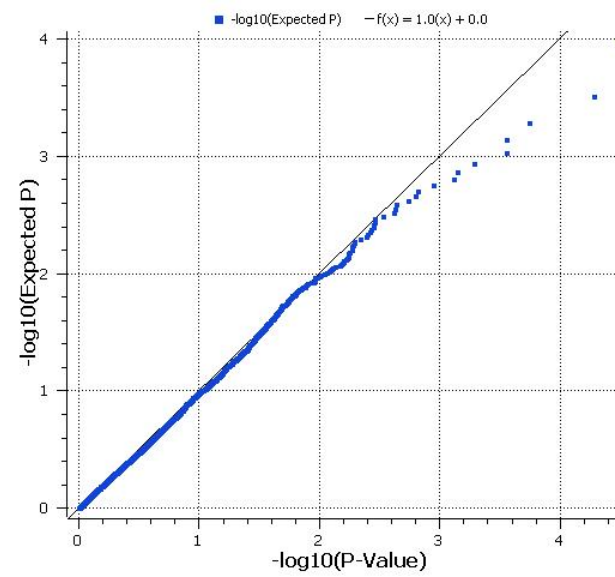
### Alpha Amino adipic Acid



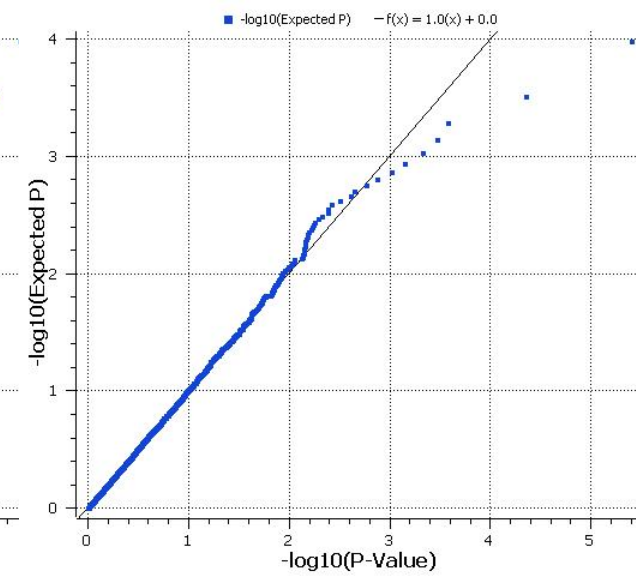
### Kynurenine



### Tryptophan



### Argininosuccinic Acid



Supplemental Figure S7. Q-Q (quantile-quantile) plots of different amino acids. The plots were drawn for expected vs. observed  $-\log_{10}$  (p-values) for all amino acids.