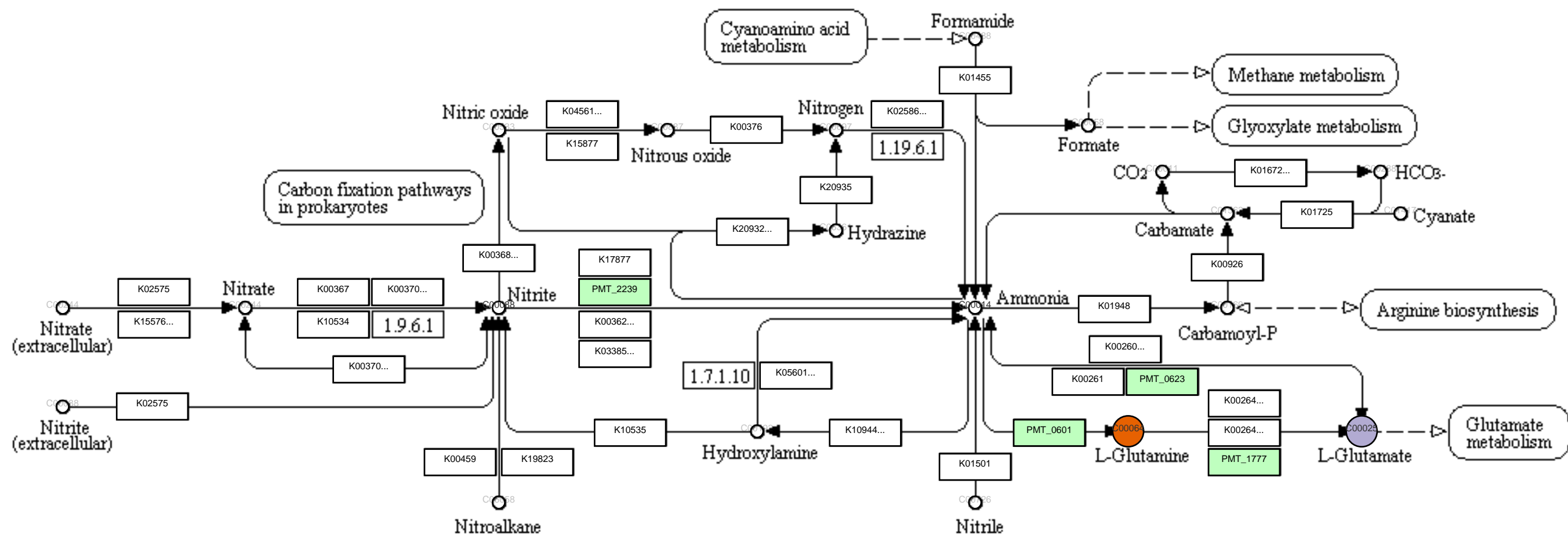


## NITROGEN METABOLISM



Oxidation state

+5

+3

+2

+1

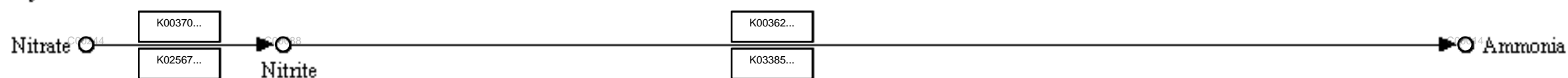
0

-1

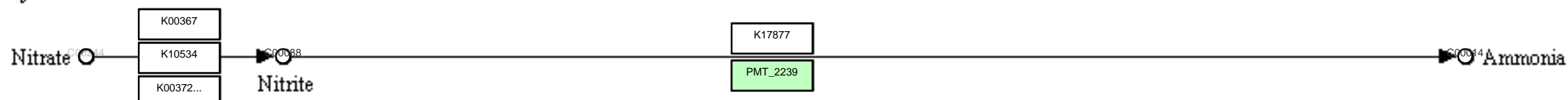
-2

-3

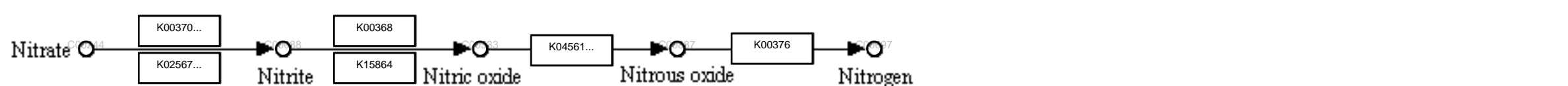
### Dissimilatory nitrate reduction



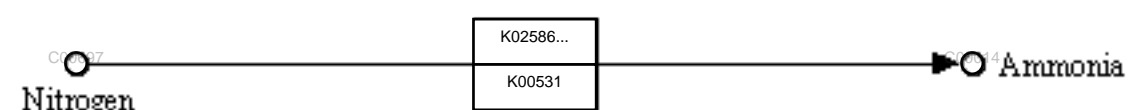
### Assimilatory nitrate reduction



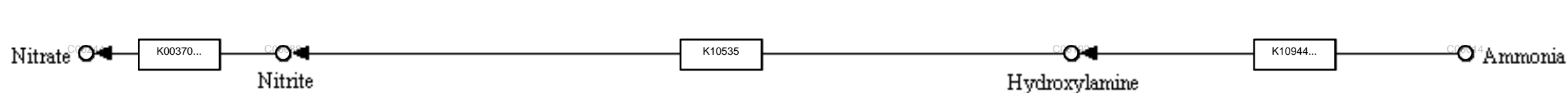
## Denitrification



### Nitrogen fixation



## Nitrification



## Anamnox

