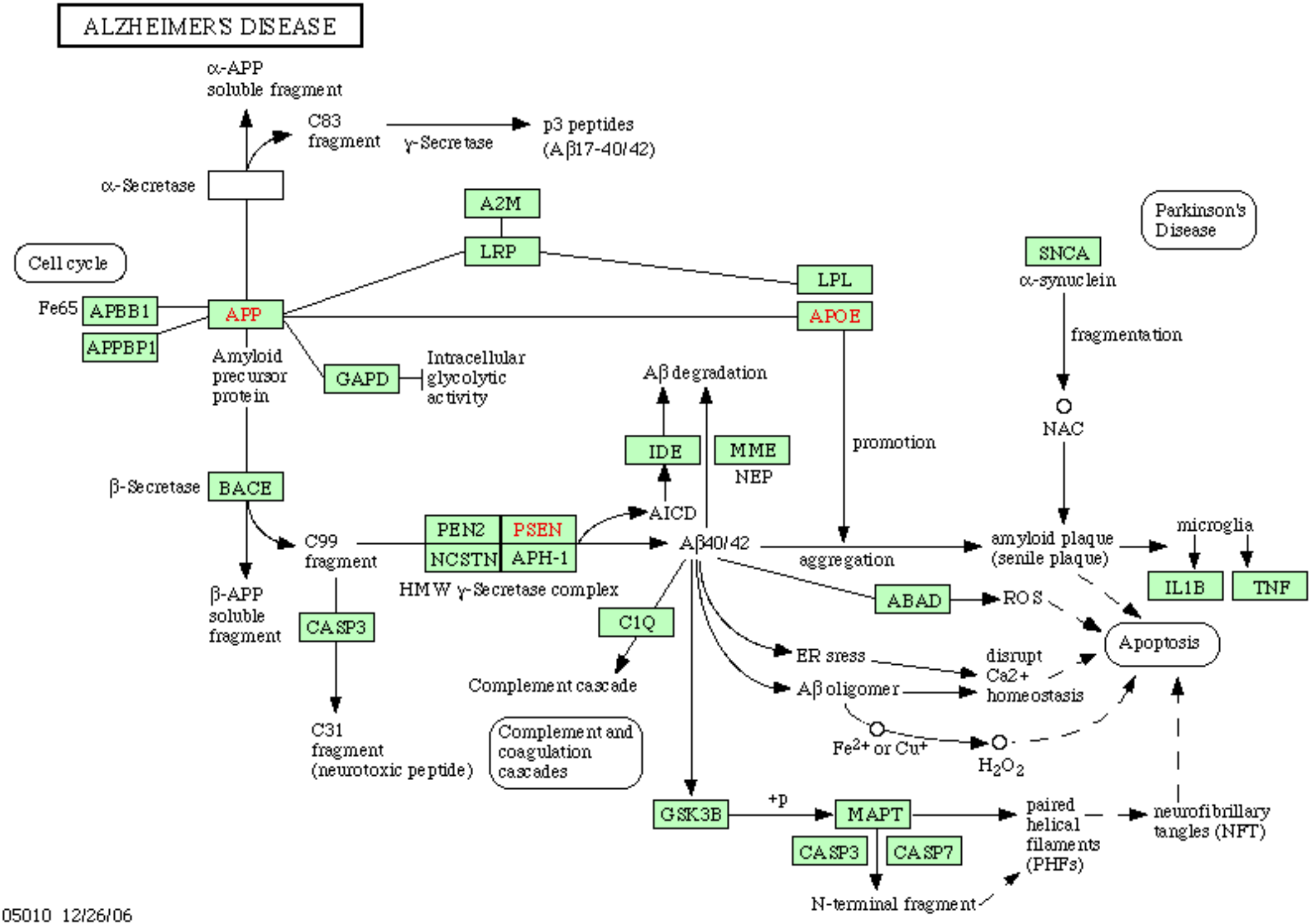
ALZHEIMER'S DISEASE
α-APP
soluble fragment
C83
fragment
γ-Secretase
p3 peptides
(Aβ17-40/42)
α-Secretase
A2M
LRP
LPL
Cell cycle
Fe65
APBB1
APP
APOE
APPBP1
Amyloid
precursor
protein
GAPD
Intracellular
glycolytic
activity
Aβ degradation
IDE
MME
NEP
promotion
β-Secretase
BACE
AICD
C99
fragment
PEN2
PSEN
NCSTN
APH-1
HMW γ-Secretase complex
Aβ40/42
aggregation
amyloid plaque
(senile plaque)
β-APP
soluble
fragment
CASP3
C1Q
ABAD
ROS
ER stress
disrupt
Ca2+
homeostasis
Aβ oligomer
Apoptosis
Complement cascade
C31
fragment
(neurotoxic peptide)
Complement and
coagulation
cascades
Fe2+ or Cu+
H2O2
GSK3B
+p
MAPT
paired
helical
filaments
(PHFs)
neurofibrillary
tangles (NFT)
CASP3
CASP7
N-terminal fragment
Parkinson's
Disease
SNCA
α-synuclein
fragmentation
NAC
microglia
IL1B
TNF
05010 12/26/06