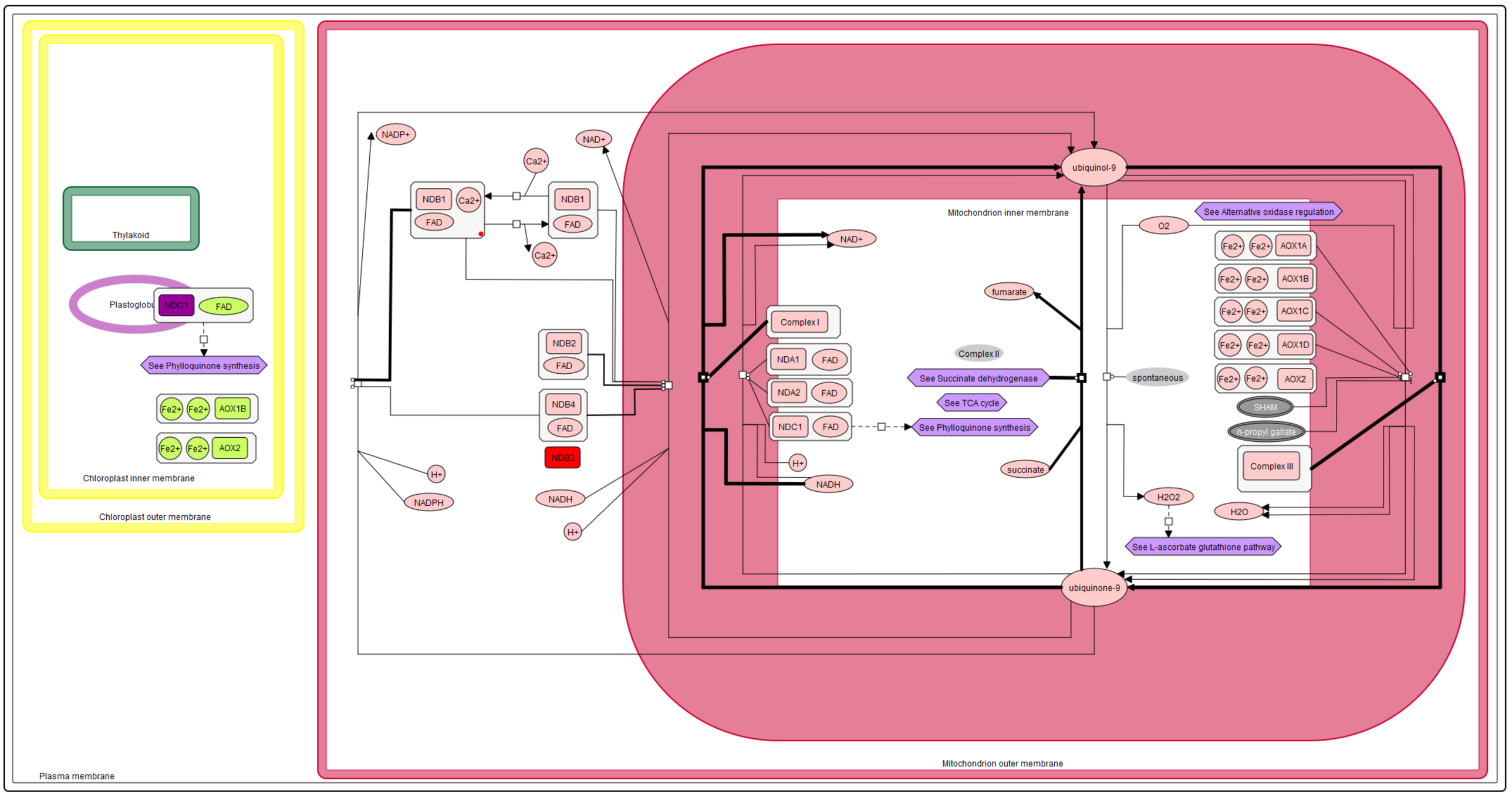
Thylakoid
Plastoglobu
NDC1
FAD
See Phylloquinone synthesis
Fe2+
Fe2+
AOX1B
Fe2+
Fe2+
AOX2
Chloroplast inner membrane
Chloroplast outer membrane
Plasma membrane
NADP+
NAD+
Ca2+
NDB1
Ca2+
FAD
NDB1
FAD
Ca2+
NDB2
FAD
NDB4
FAD
NDB3
H+
NADPH
NADH
H+
ubiquinol-9
Mitochondrion inner membrane
NAD+
Complex I
NDA1
FAD
NDA2
FAD
NDC1
FAD
H+
NADH
fumarate
Complex II
See Succinate dehydrogenase
See TCA cycle
See Phylloquinone synthesis
succinate
See Alternative oxidase regulation
O2
Fe2+
Fe2+
AOX1A
Fe2+
Fe2+
AOX1B
Fe2+
Fe2+
AOX1C
Fe2+
Fe2+
AOX1D
Fe2+
Fe2+
AOX2
spontaneous
SHAM
n-propyl gallate
Complex III
H2O2
H2O
See L-ascorbate glutathione pathway
ubiquinone-9
Mitochondrion outer membrane