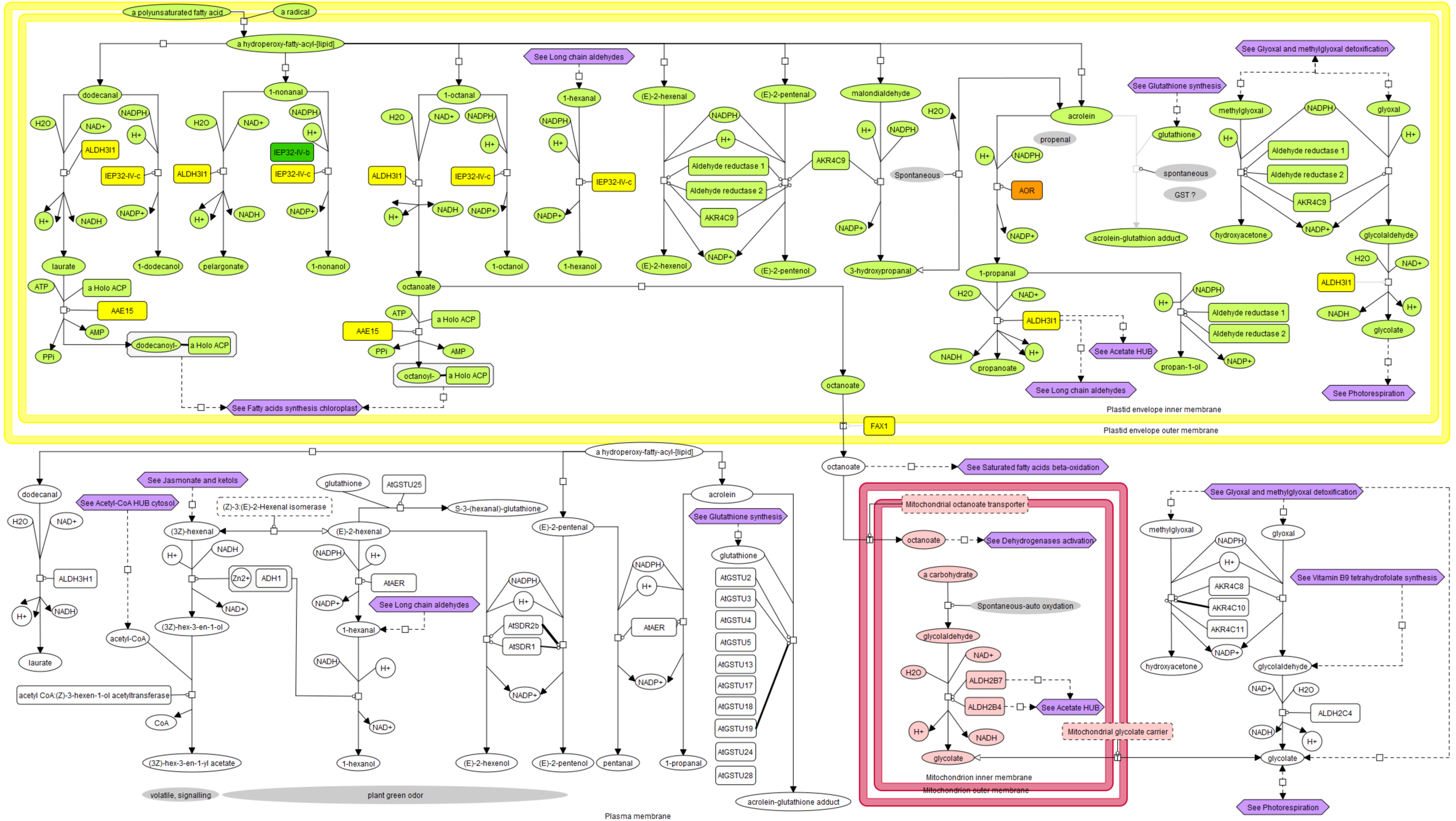
a polyunsaturated fatty acid
a radical
a hydroperoxy-fatty-acyl-[lipid]
dodecanal
1-nonanal
1-octanal
See Long chain aldehydes
1-hexanal
(E)-2-hexenal
(E)-2-pentenal
malondialdehyde
acrolein
See Glutathione synthesis
See Glyoxal and methylglyoxal detoxification
H2O
NADPH
NAD+
H+
ALDH3I1
IEP32-IV-b
IEP32-IV-c
NADP+
NADH
Aldehyde reductase 1
Aldehyde reductase 2
AKR4C9
Spontaneous
propenal
AOR
glutathione
spontaneous
GST ?
acrolein-glutathion adduct
methylglyoxal
glyoxal
hydroxyacetone
glycolaldehyde
laurate
1-dodecanol
pelargonate
1-nonanol
octanoate
1-octanol
1-hexanol
(E)-2-hexenol
(E)-2-pentenol
3-hydroxypropanal
1-propanal
ATP
a Holo ACP
AAE15
AMP
PPi
dodecanoyl-
octanoyl-
See Fatty acids synthesis chloroplast
propanoate
See Acetate HUB
propan-1-ol
See Long chain aldehydes
See Photorespiration
Plastid envelope inner membrane
Plastid envelope outer membrane
FAX1
See Jasmonate and ketols
See Acetyl-CoA HUB cytosol
(Z)-3:(E)-2-Hexenal isomerase
glutathione
AtGSTU25
S-3-(hexanal)-glutathione
(3Z)-hexenal
(3Z)-hex-3-en-1-ol
acetyl-CoA
acetyl CoA:(Z)-3-hexen-1-ol acetyltransferase
CoA
(3Z)-hex-3-en-1-yl acetate
Zn2+
ADH1
AtAER
AtSDR2b
AtSDR1
See Saturated fatty acids beta-oxidation
Mitochondrial octanoate transporter
See Dehydrogenases activation
a carbohydrate
Spontaneous-auto oxydation
glycolaldehyde
ALDH2B7
ALDH2B4
See Acetate HUB
Mitochondrial glycolate carrier
glycolate
Mitochondrion inner membrane
Mitochondrion outer membrane
See Vitamin B9 tetrahydrofolate synthesis
AKR4C8
AKR4C10
AKR4C11
ALDH2C4
AtGSTU2
AtGSTU3
AtGSTU4
AtGSTU5
AtGSTU13
AtGSTU17
AtGSTU18
AtGSTU19
AtGSTU24
AtGSTU28
acrolein-glutathion adduct
volatile, signalling
plant green odor
Plasma membrane