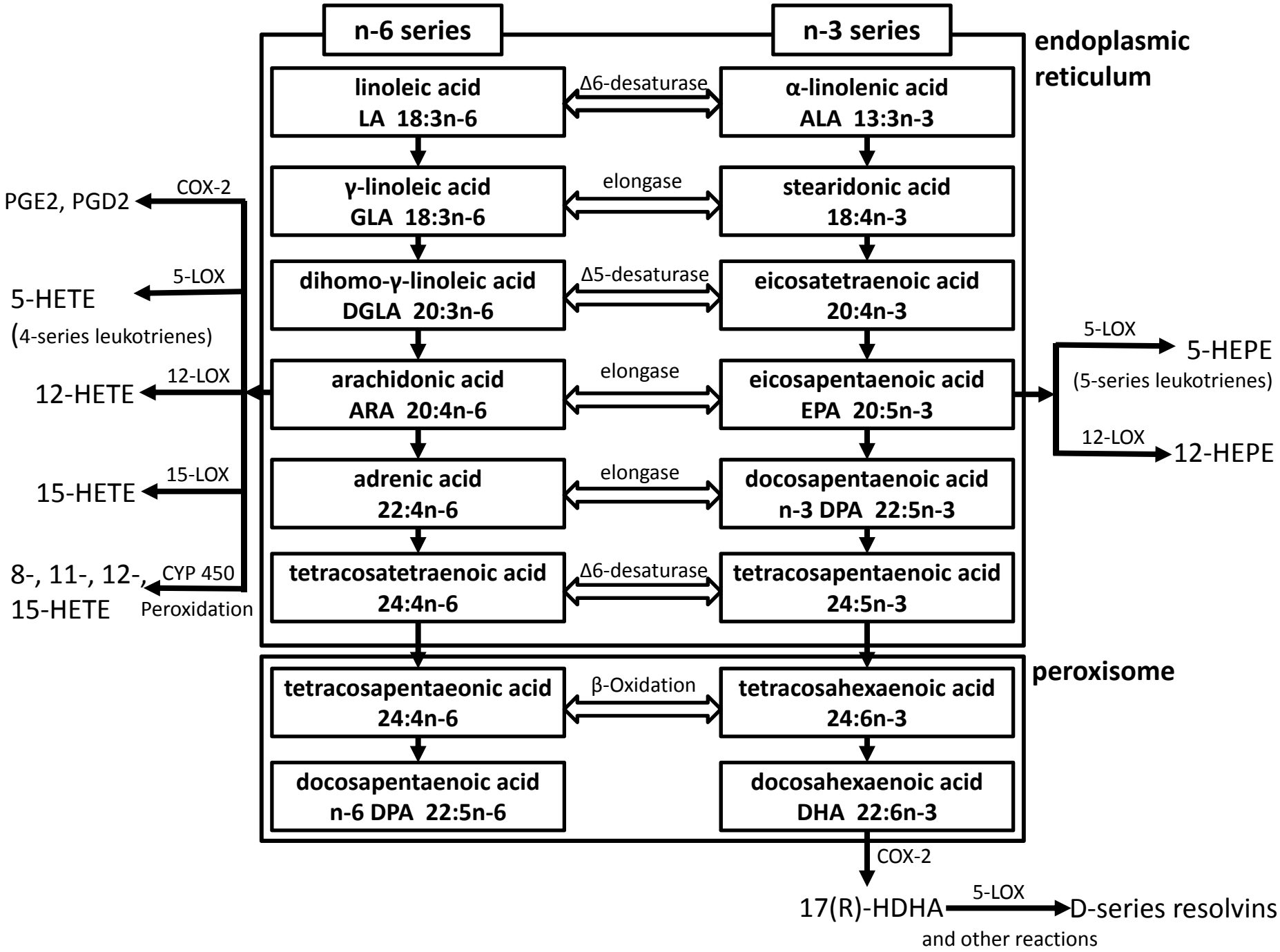
n-6 series
n-3 series
endoplasmic reticulum
linoleic acid
LA 18:3n-6
Δ6-desaturase
α-linolenic acid
ALA 13:3n-3
γ-linoleic acid
GLA 18:3n-6
elongase
stearidonic acid
18:4n-3
dihomo-γ-linoleic acid
DGLA 20:3n-6
Δ5-desaturase
eicosatetraenoic acid
20:4n-3
arachidonic acid
ARA 20:4n-6
elongase
eicosapentaenoic acid
EPA 20:5n-3
adrenic acid
22:4n-6
elongase
docosapentaenoic acid
n-3 DPA 22:5n-3
tetracosatetraenoic acid
24:4n-6
Δ6-desaturase
tetracosapentaenoic acid
24:5n-3
peroxisome
tetracosapentaeonic acid
24:4n-6
β-Oxidation
tetracosahexaenoic acid
24:6n-3
docosapentaenoic acid
n-6 DPA 22:5n-6
docosahexaenoic acid
DHA 22:6n-3
PGE2, PGD2
COX-2
5-HETE
(4-series leukotrienes)
5-LOX
12-HETE
12-LOX
15-HETE
15-LOX
8-, 11-, 12-, 15-HETE
CYP 450
Peroxidation
5-LOX
5-HEPE
(5-series leukotrienes)
12-LOX
12-HEPE
COX-2
17(R)-HDHA
5-LOX
D-series resolvins
and other reactions