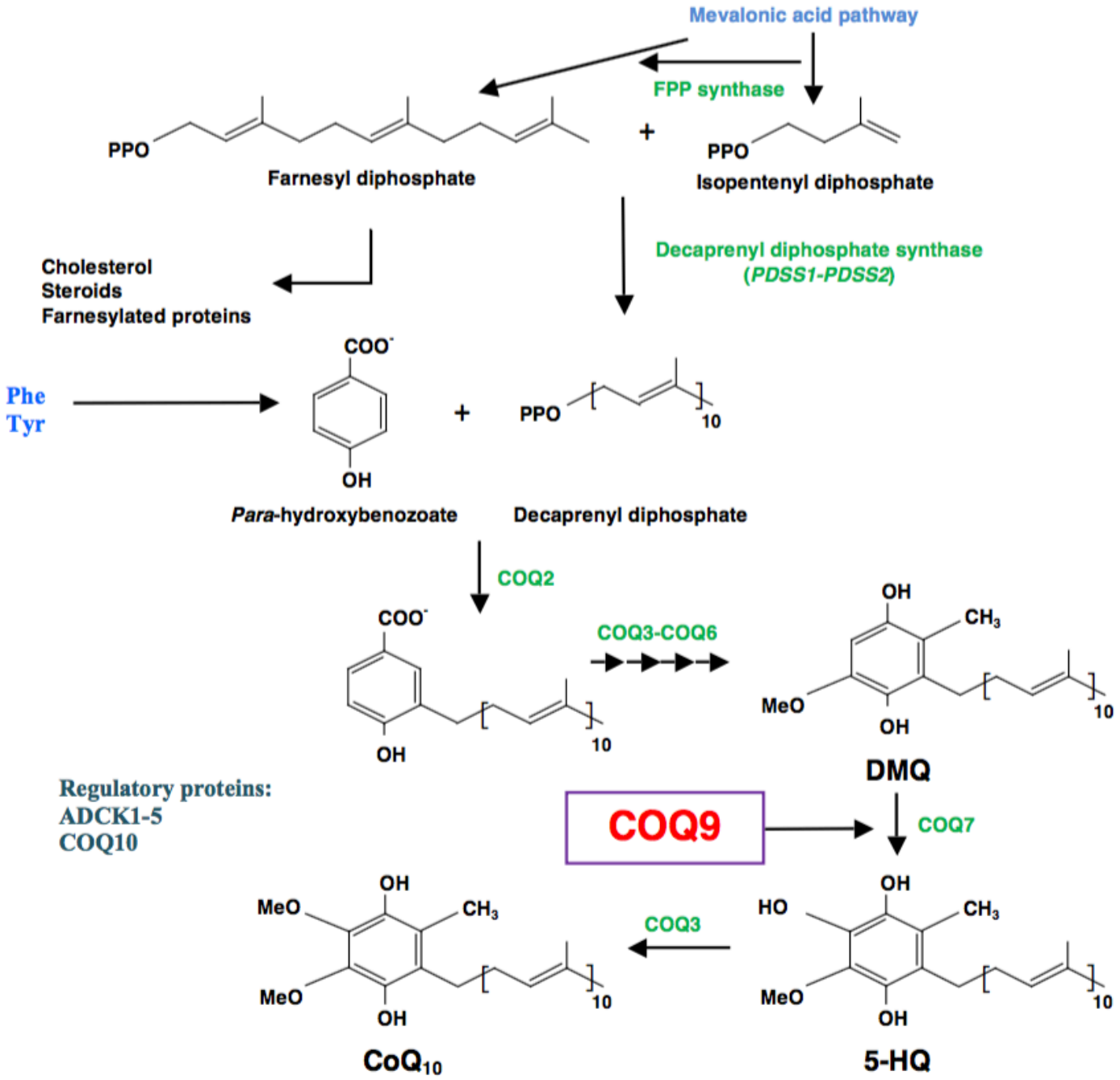
Figure S1


Mevalonic acid pathway
FPP synthase
PPO
Farnesyl diphosphate
+
PPO
Isopentenyl diphosphate
Cholesterol
Steroids
Farnesylated proteins
Decaprenyl diphosphate synthase
(PDSS1-PDSS2)
Phe
Tyr
COO⁻
OH
+
PPO
10
Para-hydroxybenozoate
Decaprenyl diphosphate
COQ2
COO⁻
OH
10
COQ3-COQ6
OH
CH3
MeO
OH
10
DMQ
Regulatory proteins:
ADCK1-5
COQ10
COQ9
COQ7
OH
MeO
CH3
MeO
OH
10
CoQ10
COQ3
OH
HO
CH3
MeO
OH
10
5-HQ