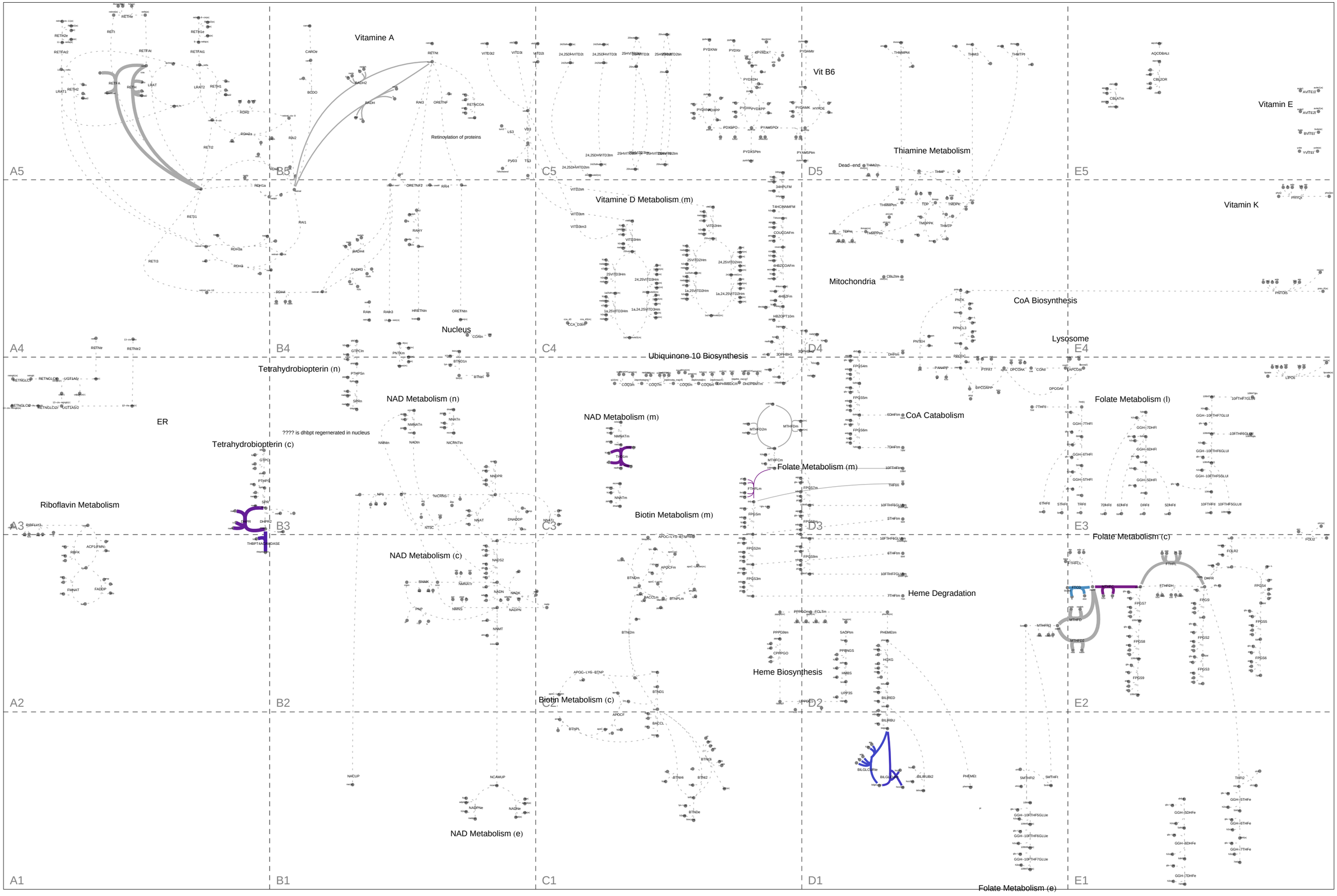
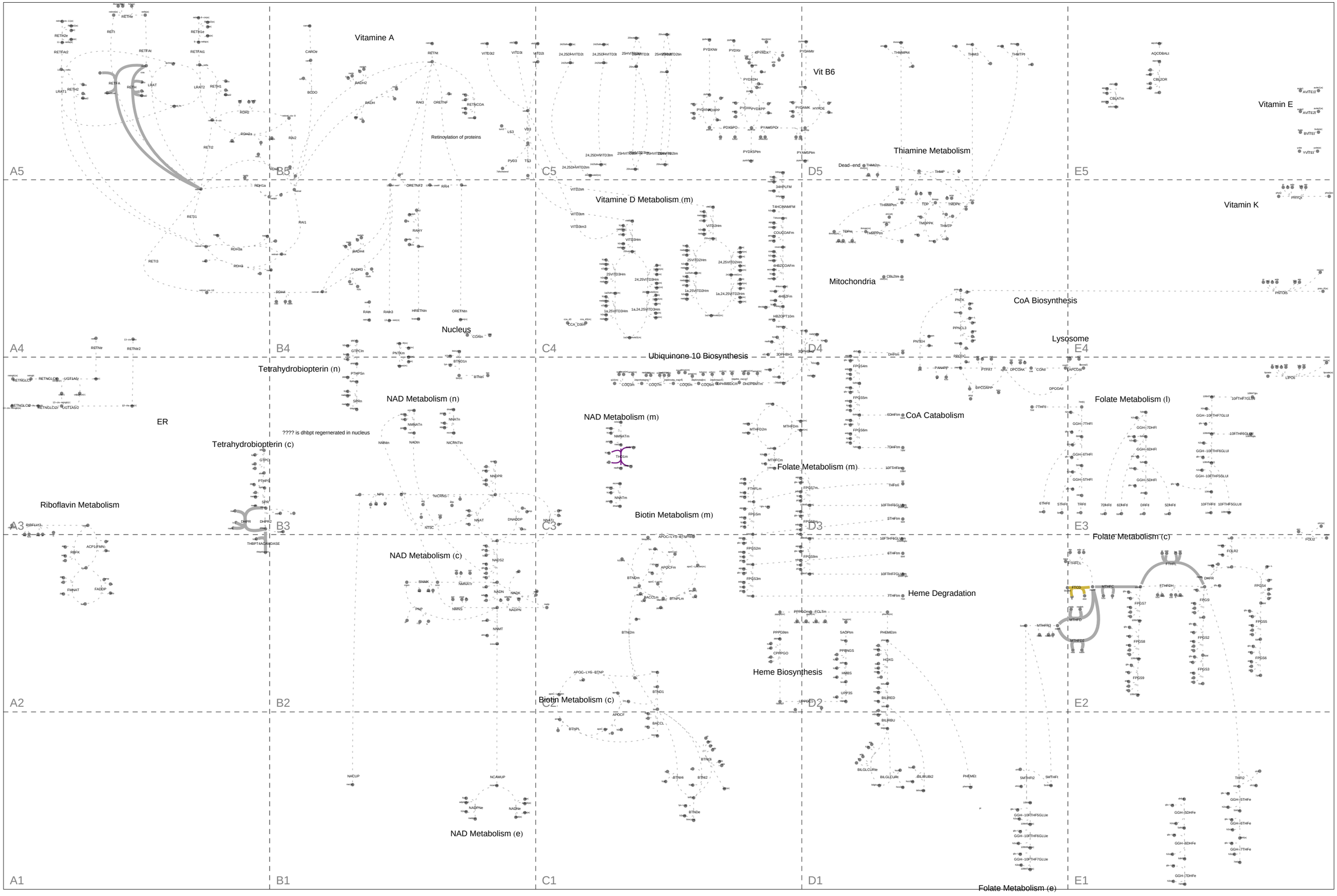
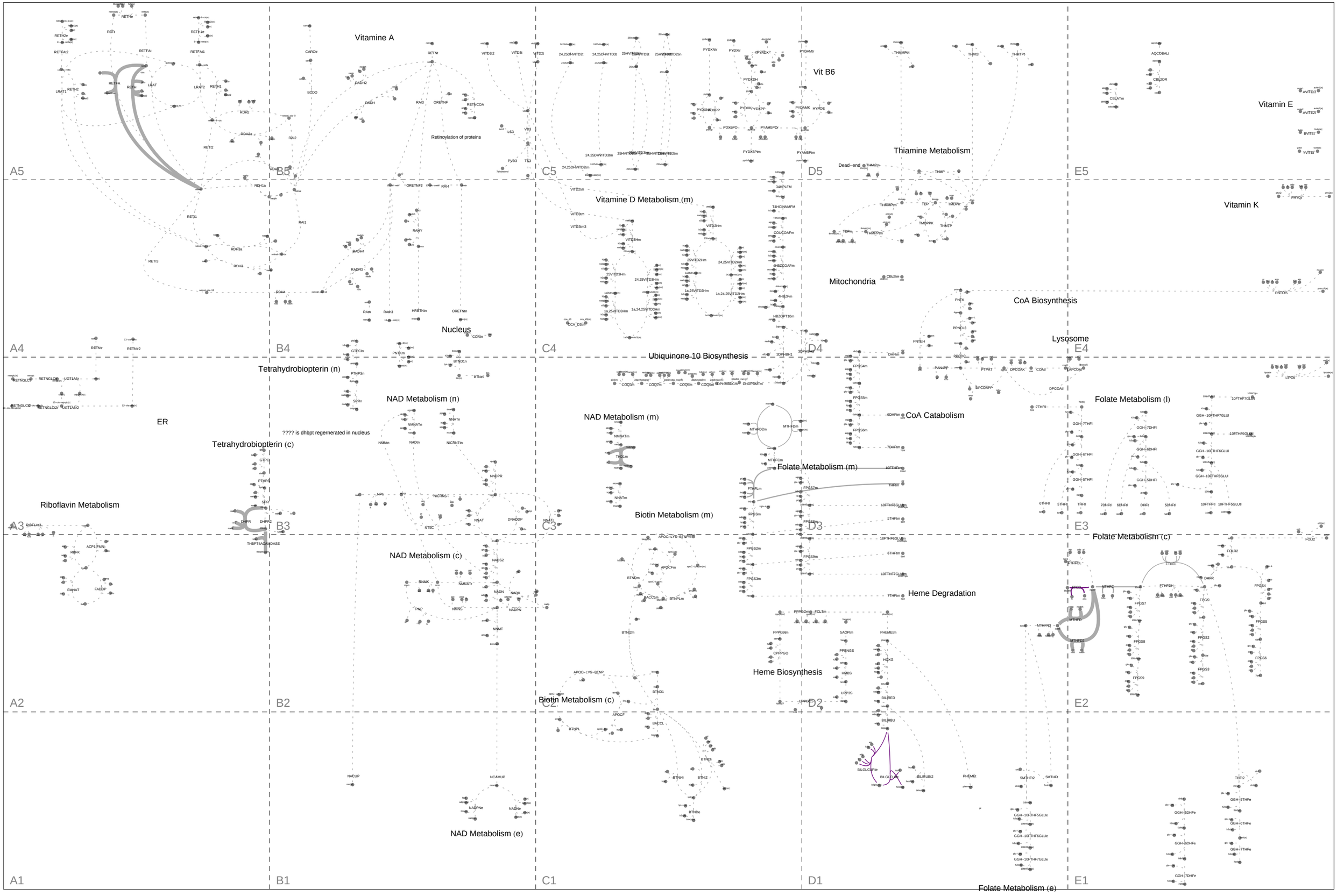
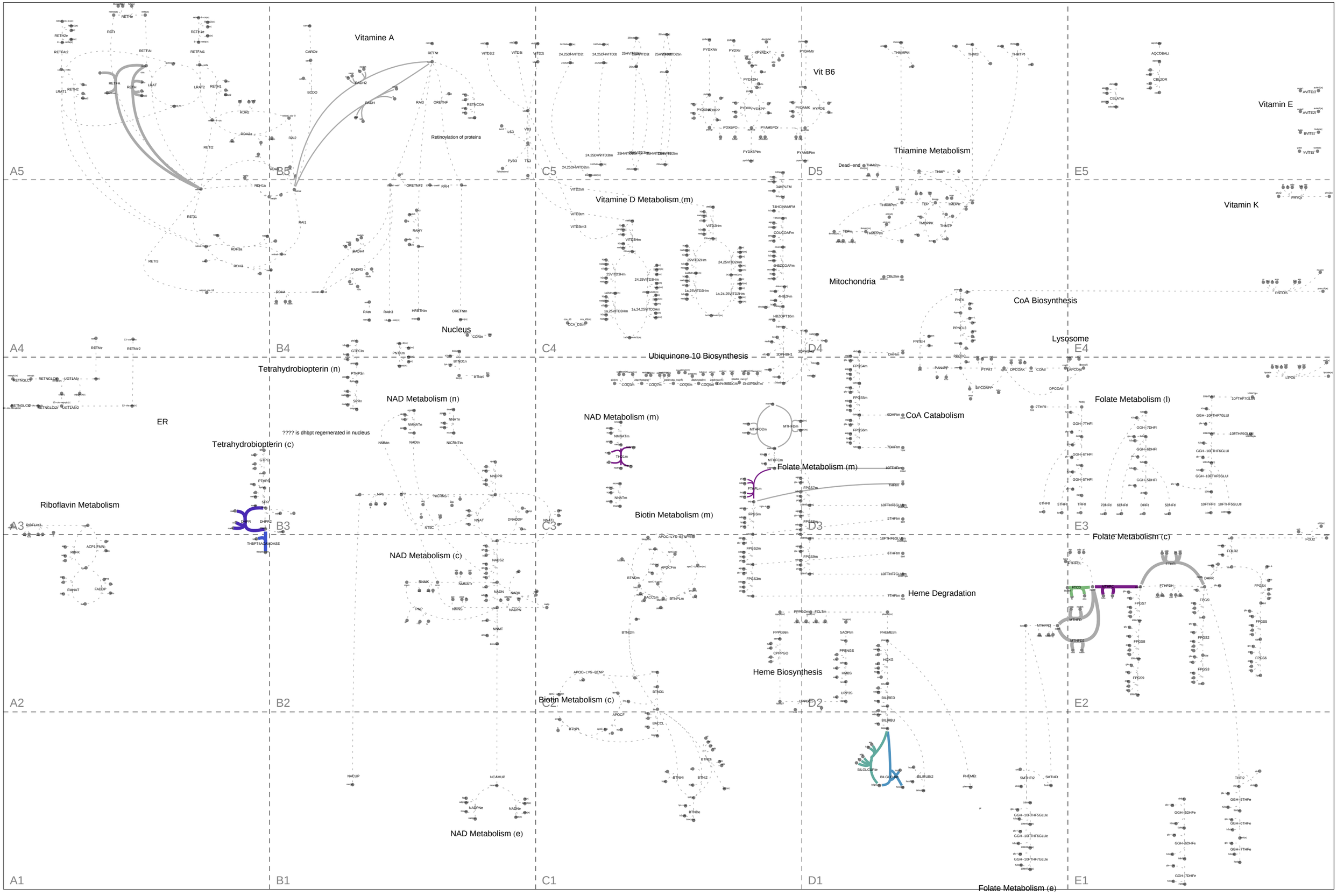

A5
B5
C5
D5
E5
Vitamine A
Retinoylation of proteins
Vit B6
Vitamin E
Thiamine Metabolism
Vitamine D Metabolism (m)
Vitamin K
Nucleus
Mitochondria
CoA Biosynthesis
A4
B4
C4
D4
E4
Ubiquinone-10 Biosynthesis
Lysosome
Tetrahydrobiopterin (n)
NAD Metabolism (n)
ER
CoA Catabolism
Folate Metabolism (l)
NAD Metabolism (m)
Folate Metabolism (m)
Tetrahydrobiopterin (c)
Biotin Metabolism (m)
Riboflavin Metabolism
A3
B3
C3
D3
E3
Folate Metabolism (c)
NAD Metabolism (c)
Heme Degradation
Heme Biosynthesis
A2
B2
C2
D2
E2
Biotin Metabolism (c)
NAD Metabolism (e)
Folate Metabolism (e)
A1
B1
C1
D1
E1


A5
B5
C5
D5
E5
Vitamine A
Retinoylation of proteins
Vit B6
Thiamine Metabolism
Vitamin E
A4
B4
C4
D4
E4
Nucleus
Vitamine D Metabolism (m)
Mitochondria
CoA Biosynthesis
Vitamin K
Lysosome
ER
Tetrahydrobiopterin (n)
Ubiquinone-10 Biosynthesis
A3
B3
C3
D3
E3
Tetrahydrobiopterin (c)
NAD Metabolism (n)
???? is dhbpt regernerated in nucleus
NAD Metabolism (m)
CoA Catabolism
Folate Metabolism (l)
Riboflavin Metabolism
Biotin Metabolism (m)
Folate Metabolism (m)
A2
B2
C2
D2
E2
NAD Metabolism (c)
Heme Degradation
Folate Metabolism (c)
Heme Biosynthesis
Biotin Metabolism (c)
A1
B1
C1
D1
E1
NAD Metabolism (e)
Folate Metabolism (e)


Vitamine A
Vit B6
Vitamin E
Retinoylation of proteins
Thiamine Metabolism
Vitamine D Metabolism (m)
Vitamin K
Mitochondria
CoA Biosynthesis
Nucleus
Lysosome
Ubiquinone-10 Biosynthesis
Tetrahydrobiopterin (n)
NAD Metabolism (n)
Folate Metabolism (l)
ER
CoA Catabolism
NAD Metabolism (m)
Tetrahydrobiopterin (c)
???? is dhbpt regernerated in nucleus
Folate Metabolism (m)
Biotin Metabolism (m)
Riboflavin Metabolism
NAD Metabolism (c)
Folate Metabolism (c)
Heme Degradation
Heme Biosynthesis
Biotin Metabolism (c)
NAD Metabolism (e)
Folate Metabolism (e)
A5
B5
C5
D5
E5
A4
B4
C4
D4
E4
A3
B3
C3
D3
E3
A2
B2
C2
D2
E2
A1
B1
C1
D1
E1


Vitamine A
Retinoylation of proteins
Vit B6
Vitamin E
Thiamine Metabolism
Vitamine D Metabolism (m)
Vitamin K
Nucleus
Mitochondria
CoA Biosynthesis
Lysosome
Ubiquinone-10 Biosynthesis
Tetrahydrobiopterin (n)
NAD Metabolism (n)
ER
???? is dhbpt regernerated in nucleus
Tetrahydrobiopterin (c)
NAD Metabolism (m)
CoA Catabolism
Folate Metabolism (l)
Folate Metabolism (m)
Biotin Metabolism (m)
Riboflavin Metabolism
NAD Metabolism (c)
Folate Metabolism (c)
Heme Degradation
Heme Biosynthesis
Biotin Metabolism (c)
NAD Metabolism (e)
Folate Metabolism (e)
A5
B5
C5
D5
E5
A4
B4
C4
D4
E4
A3
B3
C3
D3
E3
A2
B2
C2
D2
E2
A1
B1
C1
D1
E1