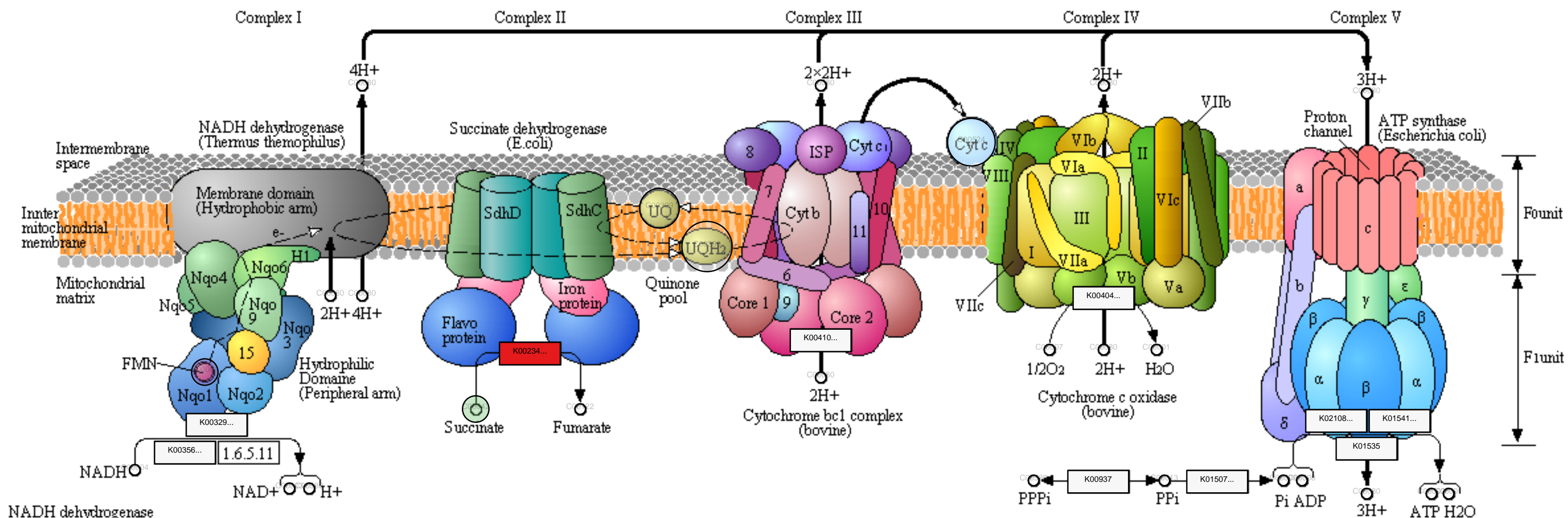


OXIDATIVE PHOSPHORYLATION



NADH dehydrogenase

| | | | | | | | | | | | | | | | | | |
|-----|--------|-----------|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|-----------|-----------|--------|--------|--------|--------|
| E | K03878 | K03879 | K03880 | K03881 | K03882 | K03883 | K03884 | | | | | | | | | | |
| E | K03934 | K03935 | K03936 | K03937 | K03938 | K03939 | K03940 | K03941 | K03942 | K03943 | K03944 | | | | | | |
| B/A | K00330 | K00331... | K00332... | K00333... | K00334 | K00335 | K00336 | K00337 | K00338 | K00339 | K00340 | K00341... | K00342... | K00343 | | | |
| B/A | K05574 | K05582 | K05581 | K05579 | K05572 | K05580 | K05578 | K05576 | K05577 | K05575 | K05573 | K05583 | K05584 | K05585 | K05586 | K05587 | K05588 |
| E | K03945 | K03946 | K03947 | K03948 | K03949 | K03950 | K03951 | K03952 | K03953 | K03954 | K03955 | K03956 | K11352 | K11353 | | | |
| E | K03957 | K03958 | K03959 | K03960 | K03961 | K03962 | K03963 | K03964 | K03965 | K03966 | K11351 | K03967 | K03968 | | | | |

Succinate dehydrogenase / Fumarate reductase

| | | | | | | | | | | | | | | | | | |
|-----|--------|-----------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|
| E | K00236 | K00237 | K00234 | K00235 | | | | | | | | | | | | | |
| B/A | K00241 | K00242... | K00239 | K00240 | K00244 | K00245 | K00246 | K00247 | | | | | | | | | |

Cytochrome c reductase

| | | | | | | | | | | | | | | | | | |
|-------|-----------|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|
| E/B/A | K00411... | K00410... | K00410... | | | | | | | | | | | | | | |
| E | | | | K00414 | K00415 | K00416 | K00417 | K00418 | K00419 | K00420 | | | | | | | |

Cytochrome c oxidase

| | | | | | | | | | | | | | | | | | |
|-----|--------|--------|-----------|-----------|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|
| E | K02257 | K02262 | K02256 | K02261 | K02263 | K02264 | K02265 | K02266 | K02267 | K02268 | K02269... | K02271 | K02272 | K02273 | K02258 | K02259 | K02260 |
| B/A | K02301 | K02300 | K02299 | K02298 | K02297 | | | | | | | | | | | | |
| | | K02277 | K02276... | K02274... | K02275 | | | | | | | | | | | | |
| | | K02829 | K02828 | K02827 | K02826 | | | | | | | | | | | | |

Cytochrome c oxidase, cbb3-type

| | | | | | | | | | | | | | | | | | |
|---|-----------|-----------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| B | K00404... | K00405... | K00407 | K00406 | | | | | | | | | | | | | |
|---|-----------|-----------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|

Cytochrome bd complex

| | | | | | | | | | | | | | | | | | |
|-----|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| B/A | K00425 | K00426 | | | | | | | | | | | | | | | |
|-----|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

F-type ATPase (Bacteria)

| | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| K02111 | K02112 | K02115 | K02113 | K02114 | | | | | | | | | | | | | |
| K02108 | K02109 | K02110 | | | | | | | | | | | | | | | |

F-type ATPase (Eukaryotes)

| | | | | | | | | | | | | | | | | | |
|-----------|--------|-----------|--------|--------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|
| K02132 | K02133 | K02136 | K02134 | K02135 | | | | | | | | | | | | | |
| K02137 | K02126 | K02127 | K02128 | K02138 | K02129... | | | | | | | | | | | | |
| K02130... | K02140 | K02131... | K02142 | K02143 | K02125 | | | | | | | | | | | | |

V/A-type ATPase (Bacteria, Archaeas)

| | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|
| K02117 | K02118 | K02119 | K02120 | K02121 | K02122 | K02107 | | | | | | | | | | | |
| K02123 | K02124 | | | | | | | | | | | | | | | | |

V-type ATPase (Eukaryotes)

| | | | | | | | | | | | | | | | | | |
|--------|-----------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|
| K02145 | K02147 | K02148 | K02149 | K02150 | K02151 | K02152 | K02144 | | | | | | | | | | |
| K02154 | K02155... | K02146 | K02153 | K03662 | | | | | | | | | | | | | |