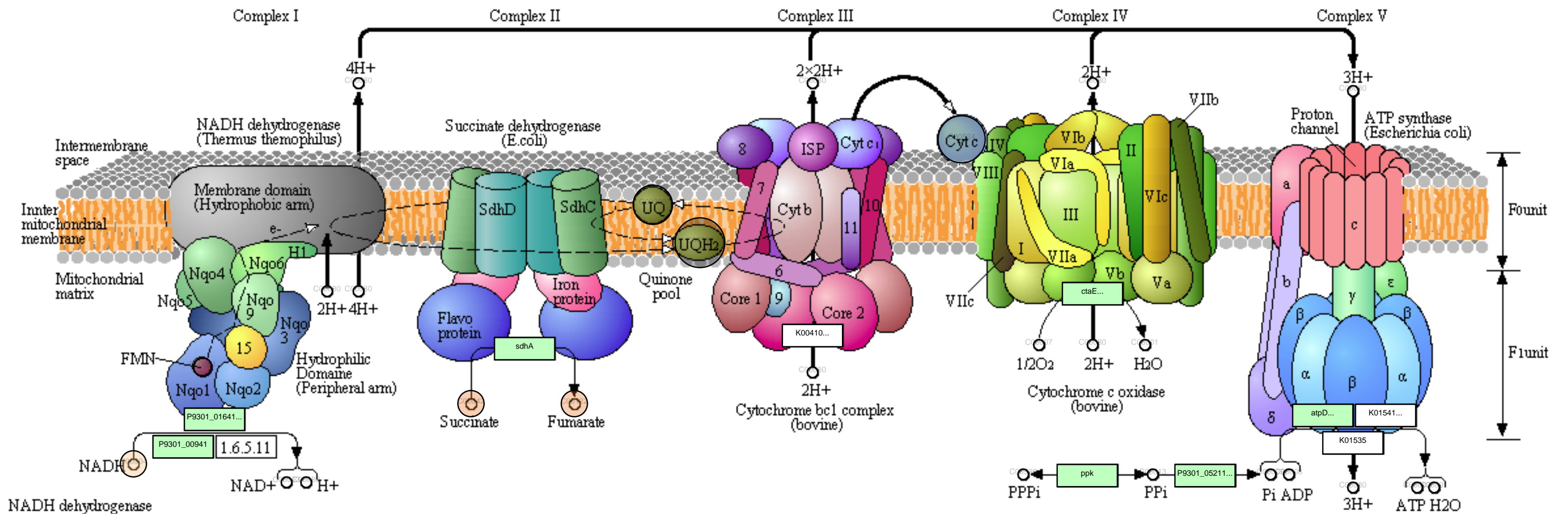


## OXIDATIVE PHOSPHORYLATION



## 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	ndhC	ndhK	ndhJ	ndhH	ndhA	ndhI	ndhG	ndhE	ndhF	P9301_01691...	ndhB	P9301_05961	P9301_01641	P9301_17501	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		
	K00241	K00242...	sdhA	K00240		
B/A			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													E/B/A		K02260		
		K02262	K02256	K02261	K02263	K02264	K02265	K02266	K02267	K02268	K02269...	K02271	K02272	K02273	K02258	ctaA		
	B/A	cyoE	K02300	K02299	K02298	K02297												
		K02277	ctaE	cyoB	cyoA	Cytochrome c oxidase , cbb3-type										Cytochrome bd complex		
		K02829	K02828	K02827	K02826	B	K00404...	K00405...	K00407	K00406	B/A	K00425	K00426	V				

## Cytochrome c oxidase , cbb3-type

B	K00404...	K00405...	K00407	K00406
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## Cytochrome bd complex

B/A	K00425	K00426
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### F-type ATPase (Bacteria)

atpA	atpD	P9301_16401	atpH	atpC
atpB	P9301_16431...	atpE		

### 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			