

SPOLEČNĚ PRO VÝZKUM, ROZVOJ A INOVACE
CZ/FMP.17A/0436

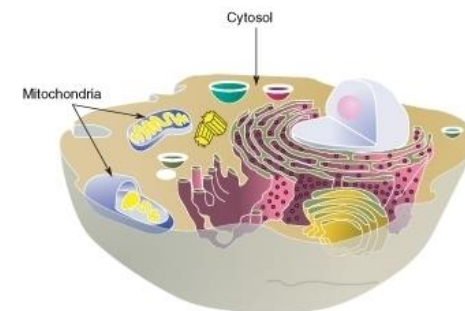


ASTROBIOLOGIE: Proč je život založený na kyslíku

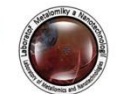
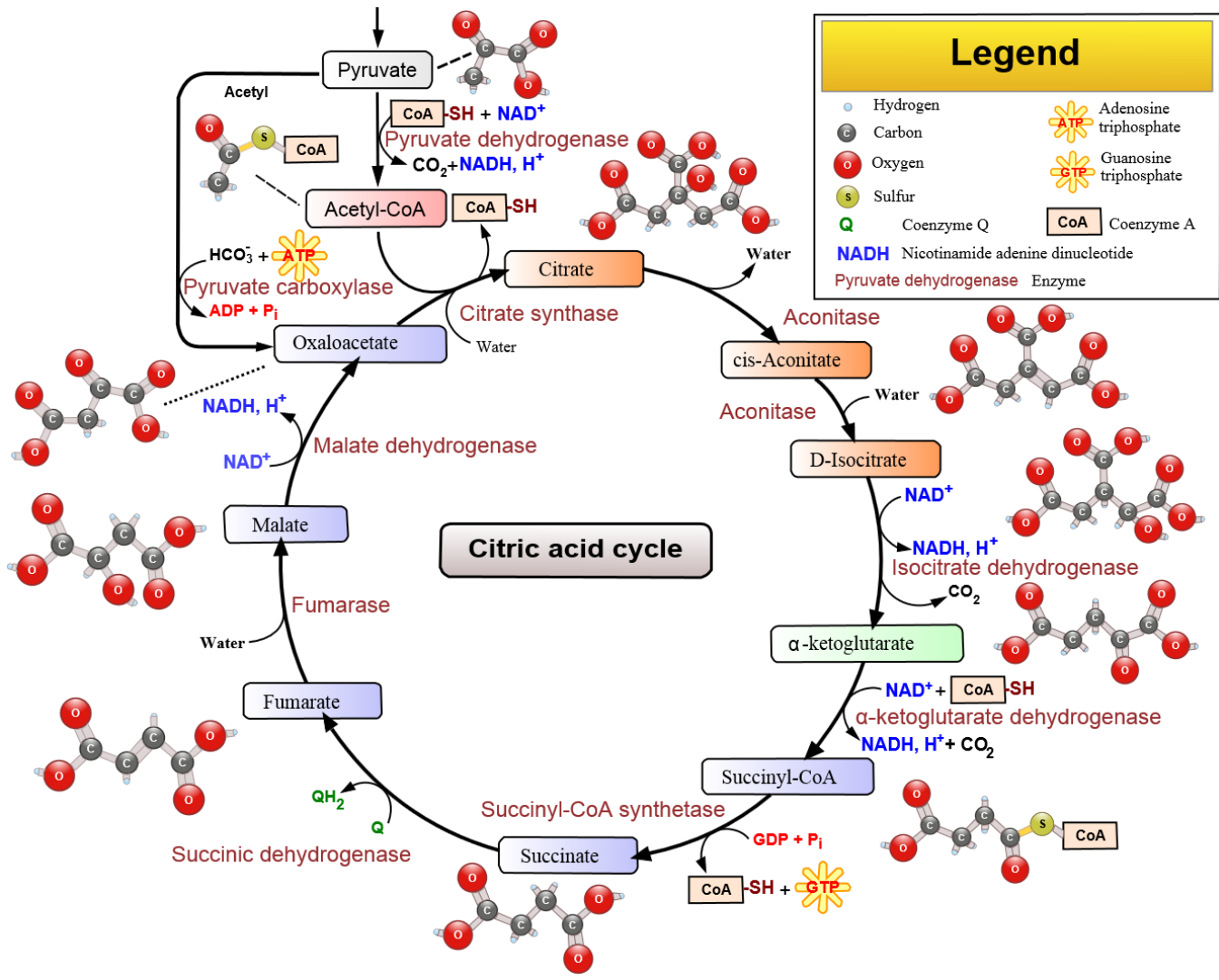
René Kizek, Zbyněk Heger

12. 03. 2015,

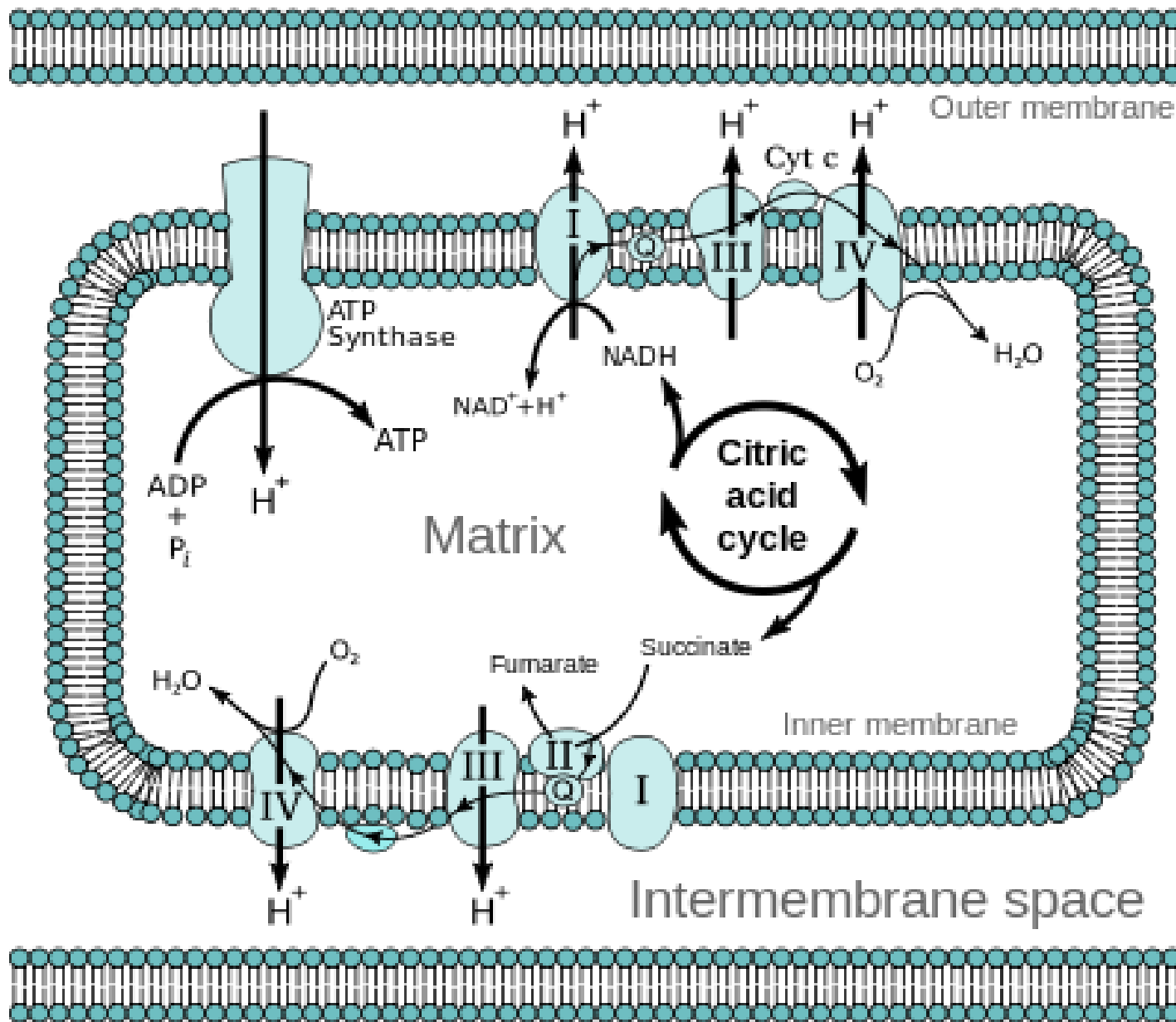
Laboratoř metalomiky a nanotechnologií, Mendelova univerzita v Brně, Zemědělská 1,
Místnost CEITEC, Kontakt: kizek@sci.muni.cz

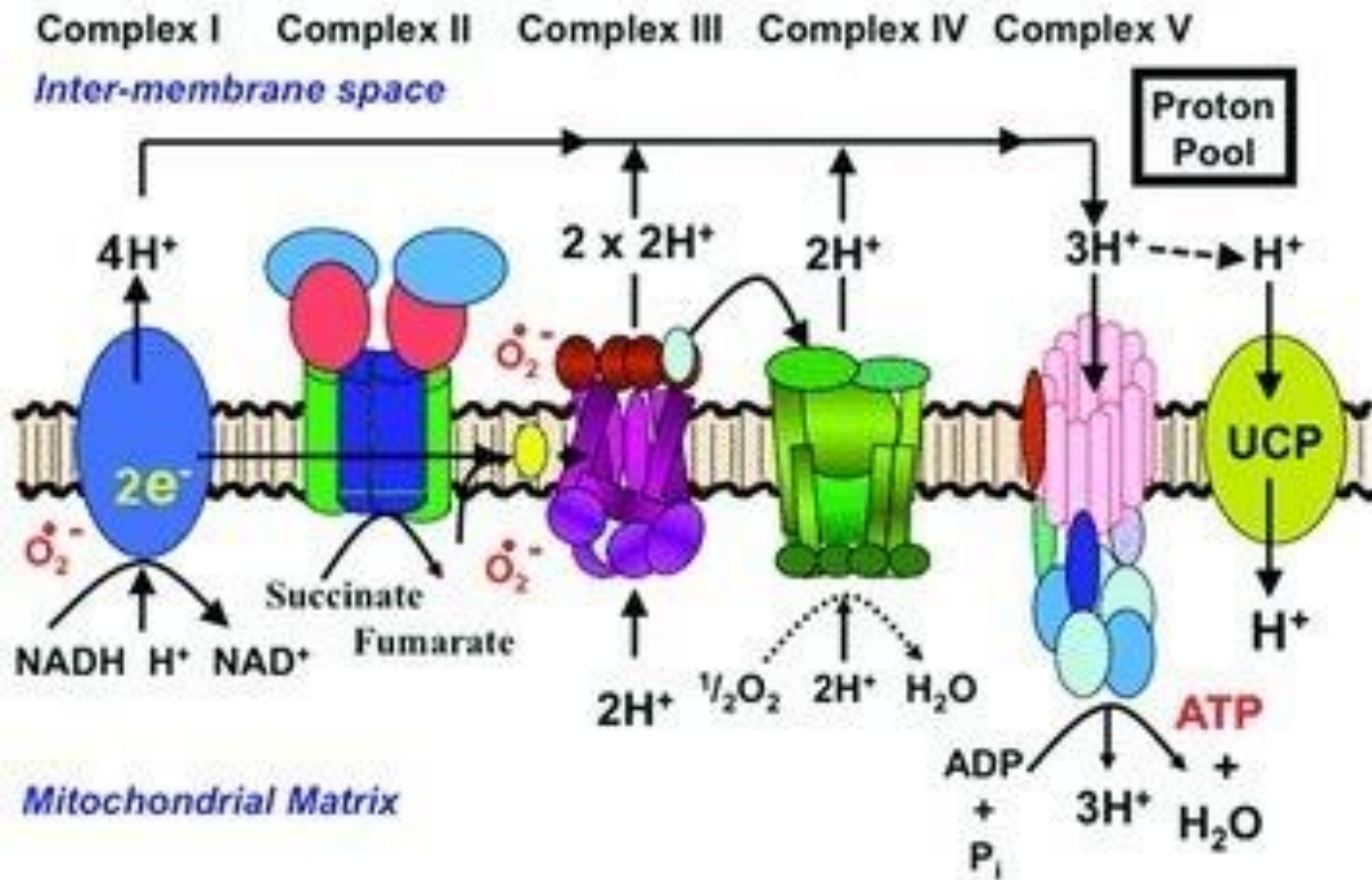


FOND MIKROPROJEKTŮ

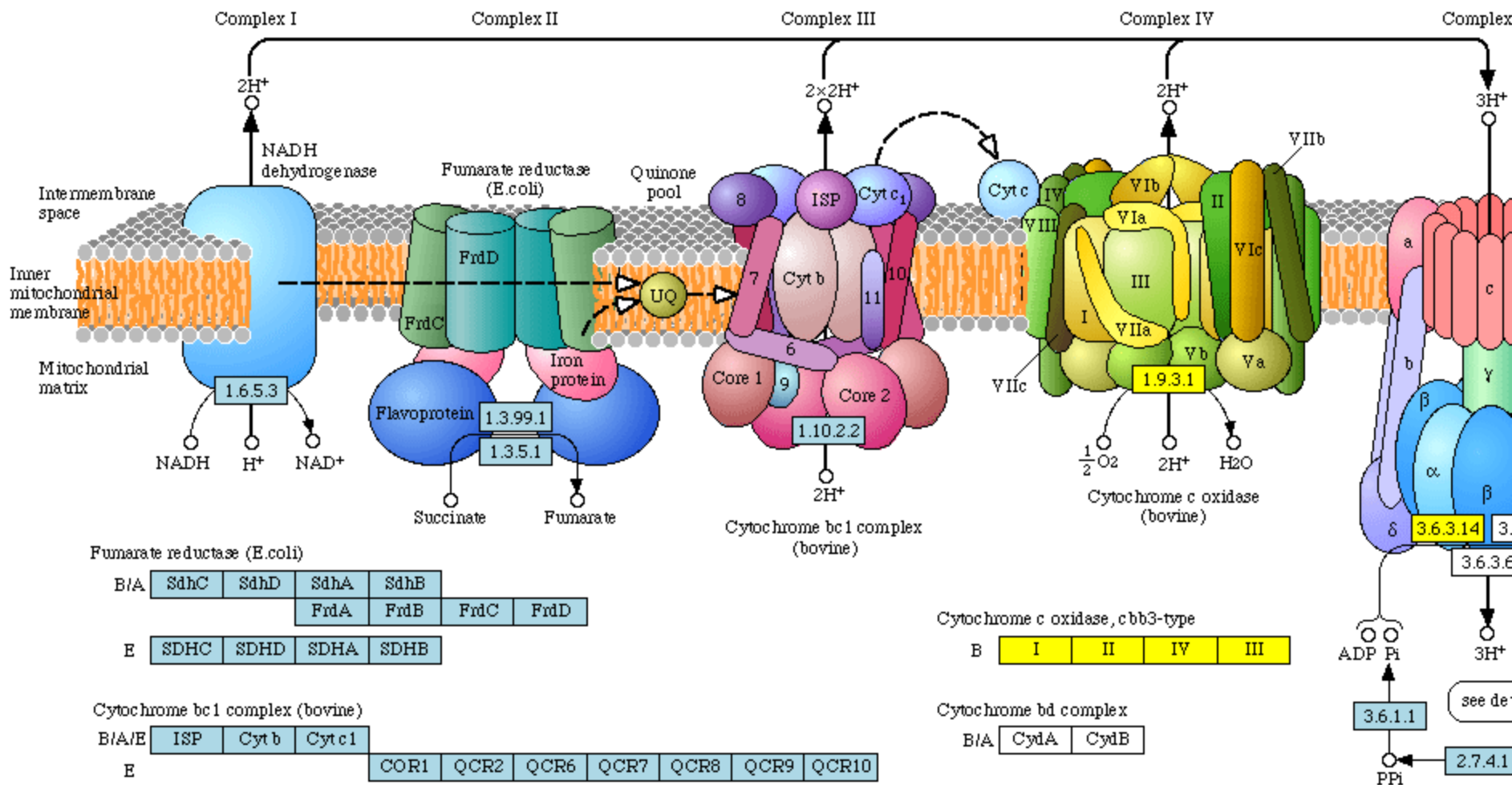


FOND MIKROPROJEKTŮ





OXIDATIVE PHOSPHORYLATION



Fumarate reductase (E.coli)

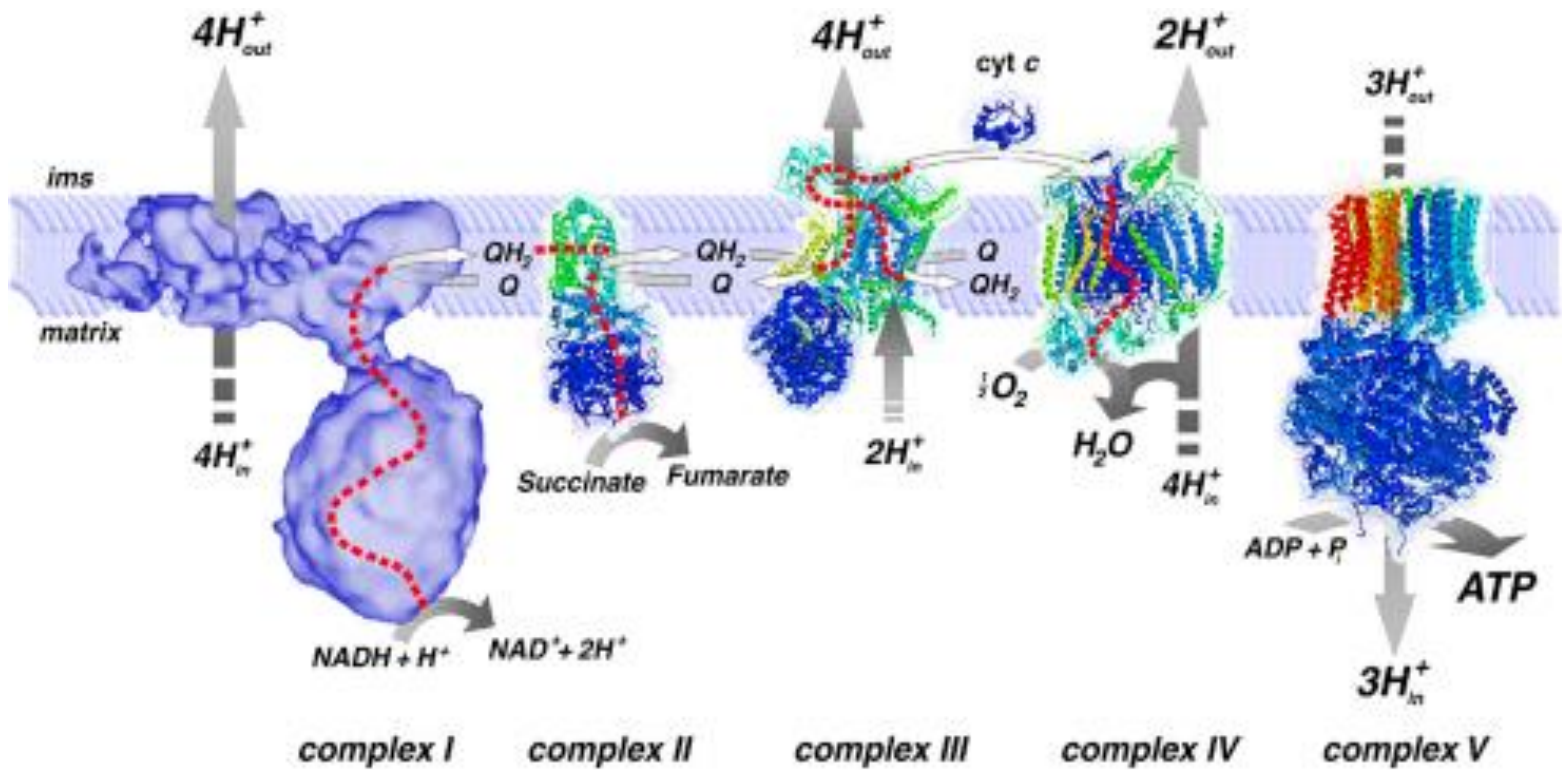
B/A	SdhC	SdhD	SdhA	SdhB			
			FrdA	FrdB	FrdC	FrdD	
E	SDHC	SDHD	SDHA	SDHB			

Cytochrome bc1 complex (bovine)

B/A/E	ISP	Cyt b	Cyt c1							
E		COR1	QCR2	QCR6	QCR7	QCR8	QCR9	QCR10		

Cytochrome c oxidase

E	COX10	COX3	COX1	COX2	COX4	COX5A	COX5B	COX6A	COX6B	COX6C	COX7A	COX7B	COX7C	COX8
B/A	CyoE	CyoD	CyoC	CyoB	CyoA									
		CoxD	CoxC	CoxA	CoxB									
		QoxD	QoxC	QoxB	QoxA									



From NADH

Intermembrane space
(exoplasmic)

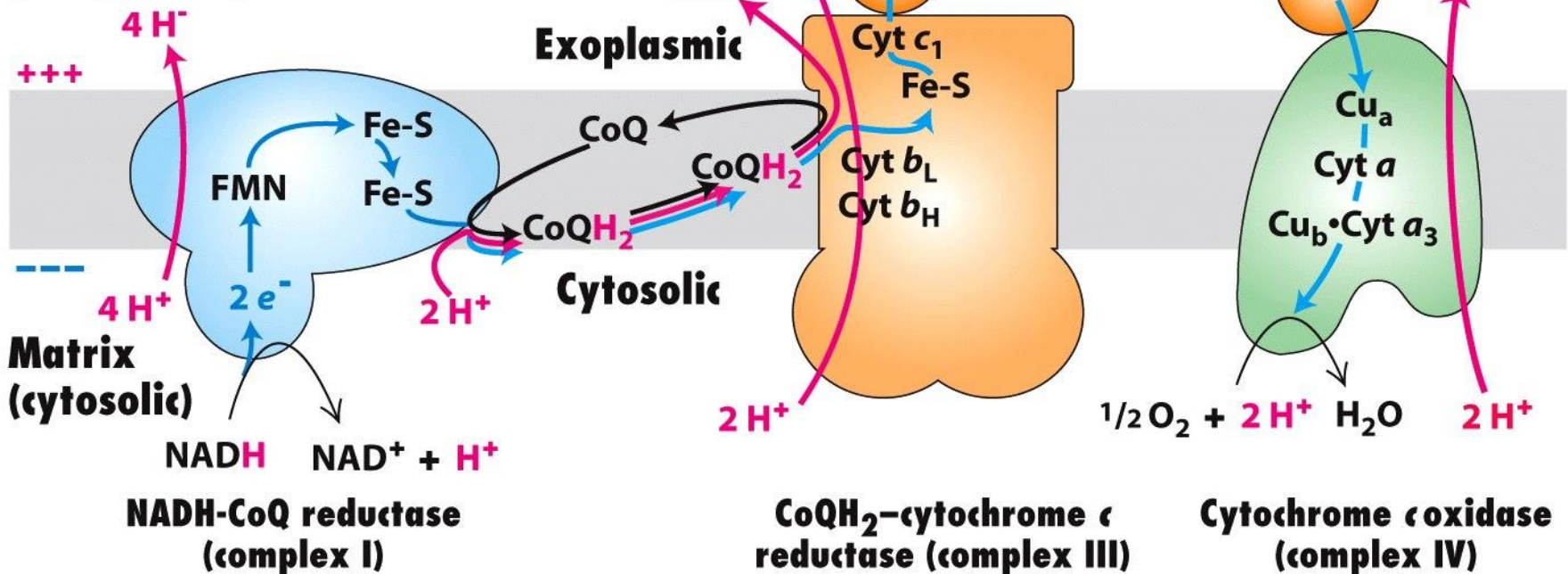
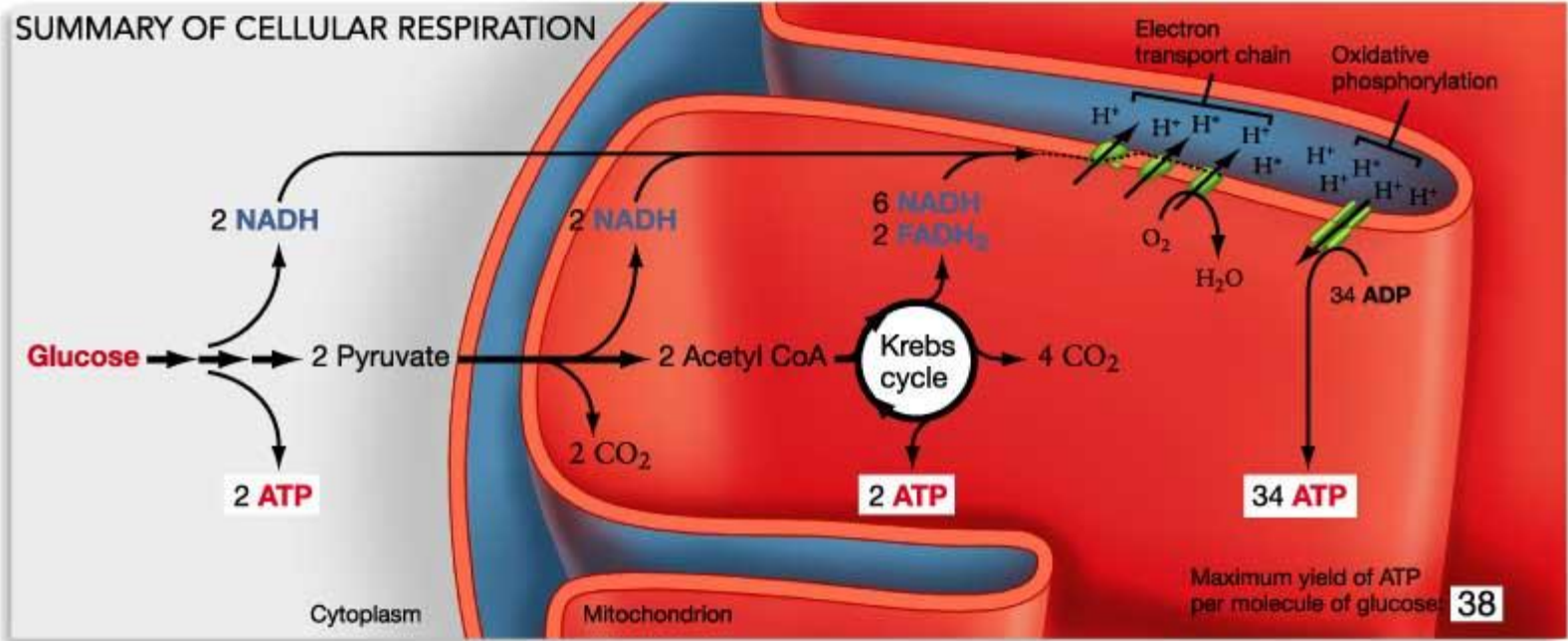


Figure 12-16a

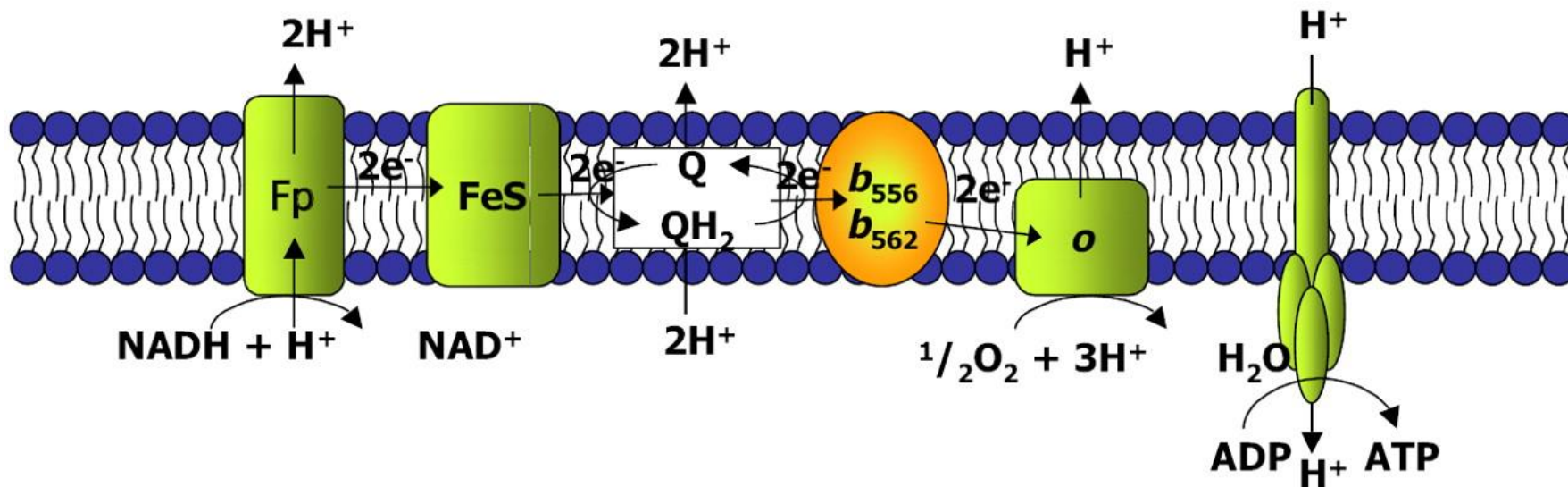
Molecular Cell Biology, Sixth Edition

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SUMMARY OF CELLULAR RESPIRATION

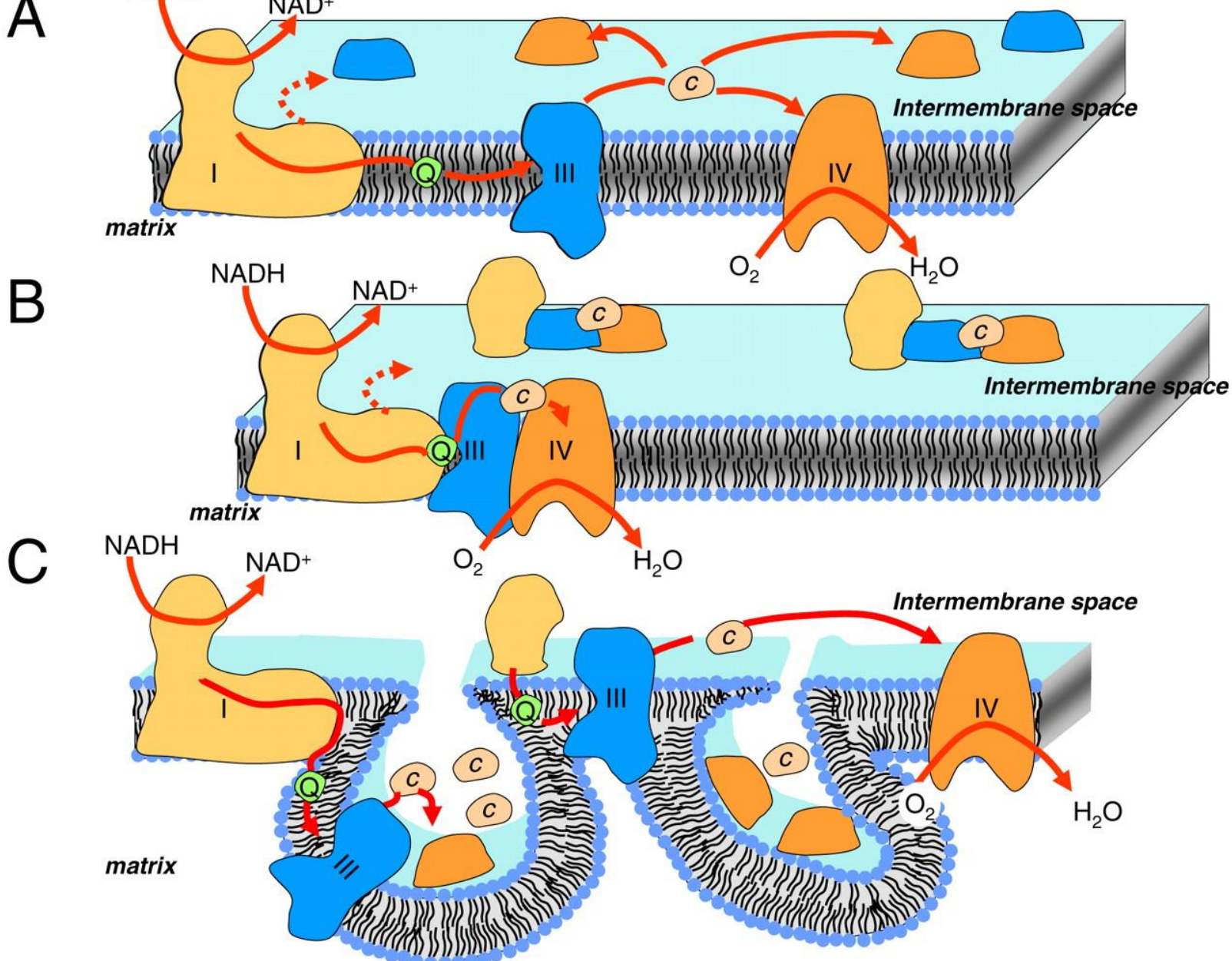


FOND MIKROPROJEKTŮ



ELECTRON TRANSPORT SYSTEM

ATPase





Děkuji vám za pozornost



FOND MIKROPROJEKTŮ