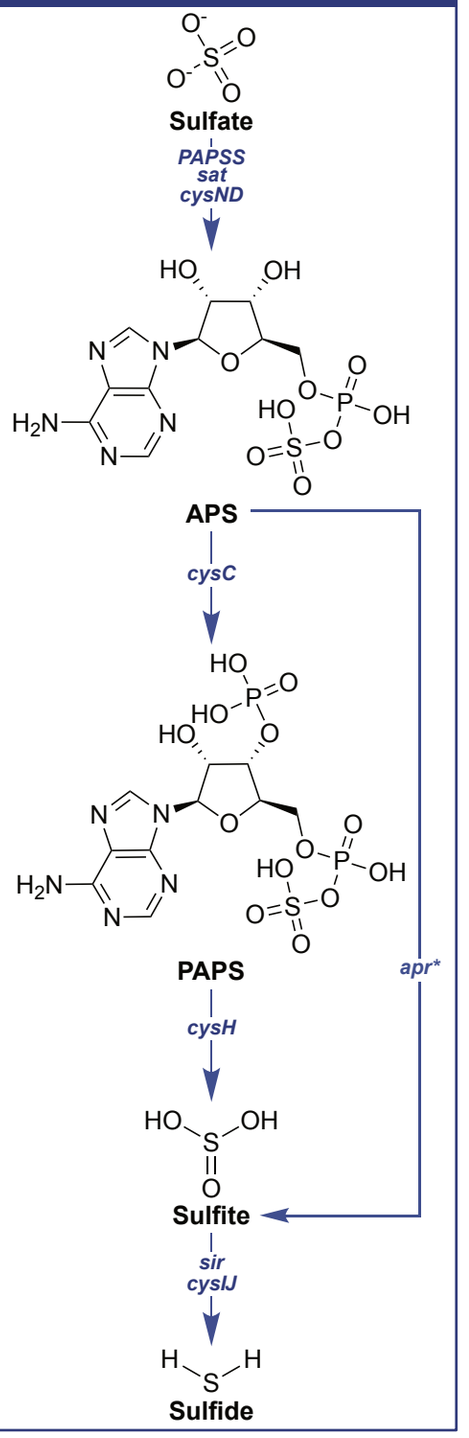
A. Sulfate Assimilation



B. DOS Metabolisms

					Sulfur Oxidation State
Choline-O-Sulfate ▲■					+6
Methanesulfonate ■	Taurine ▲■	Hypotaurine ■	Isethionate ▲	Sulfoacetaldehyde ■	+4
N-Acetyltaurine ▲	Sulfolactate ■	Sulfopyruvate ■	DHPS ▲■	Cysteate ■	
Dimethylsulfone ■					+2
Dimethyl Sulfoxide ■					0
Glutathione Disulfide ★■					-1
Cysteine ★■	Methionine ▲★■ *+ Methionine Salvage*	DMSP ■	Glutathione ▲★	Coenzyme-A■ Methanethiol ★■ Biotin ▲■	-2
3-Mercaptopyruvate ■	S-Adenosyl-L-Homocysteine ■	S-Adenosyl-L-Methionine ■			

Type of DOS Metabolism Studied: ▲ Transport ★ Synthesis ■ Degradation