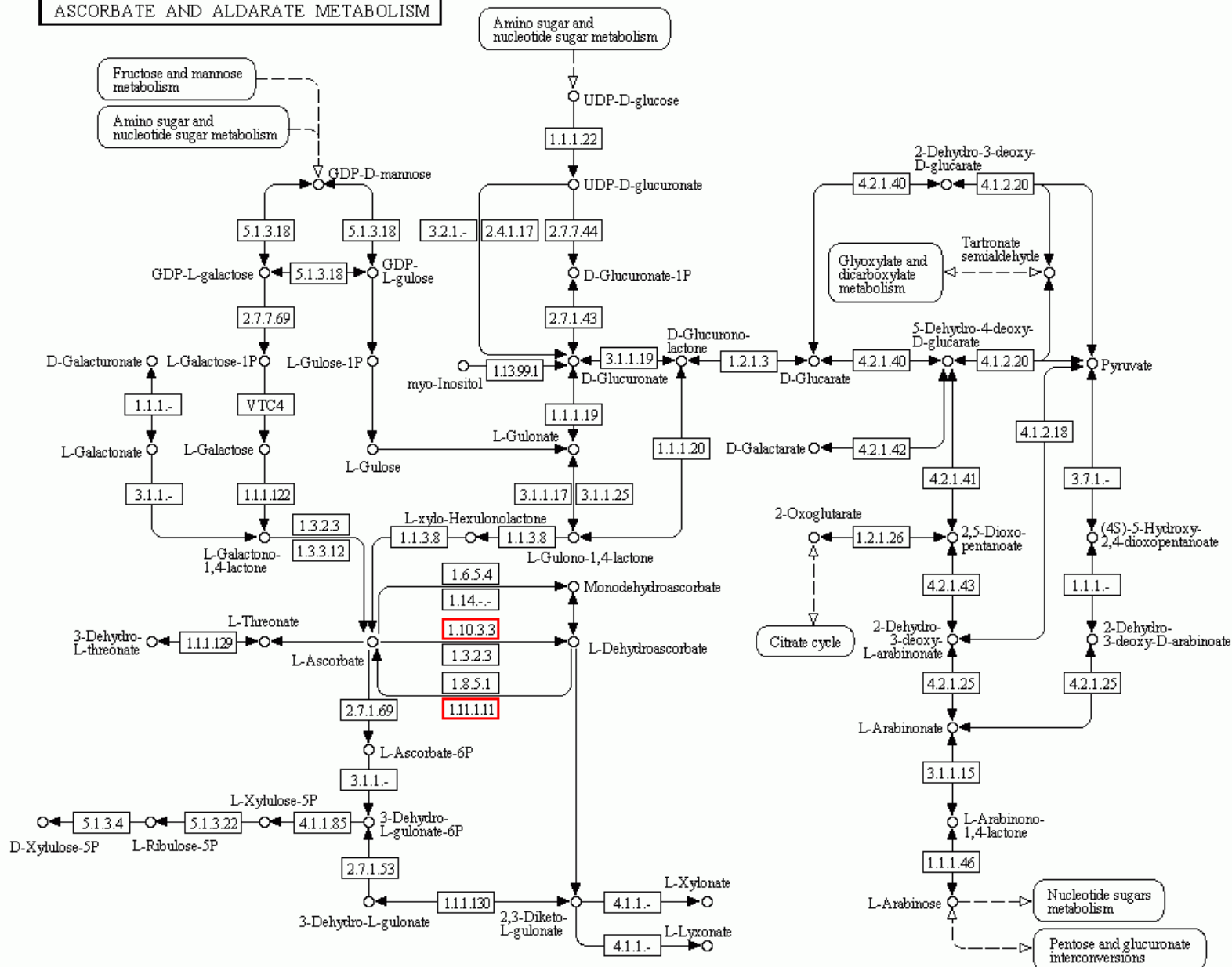
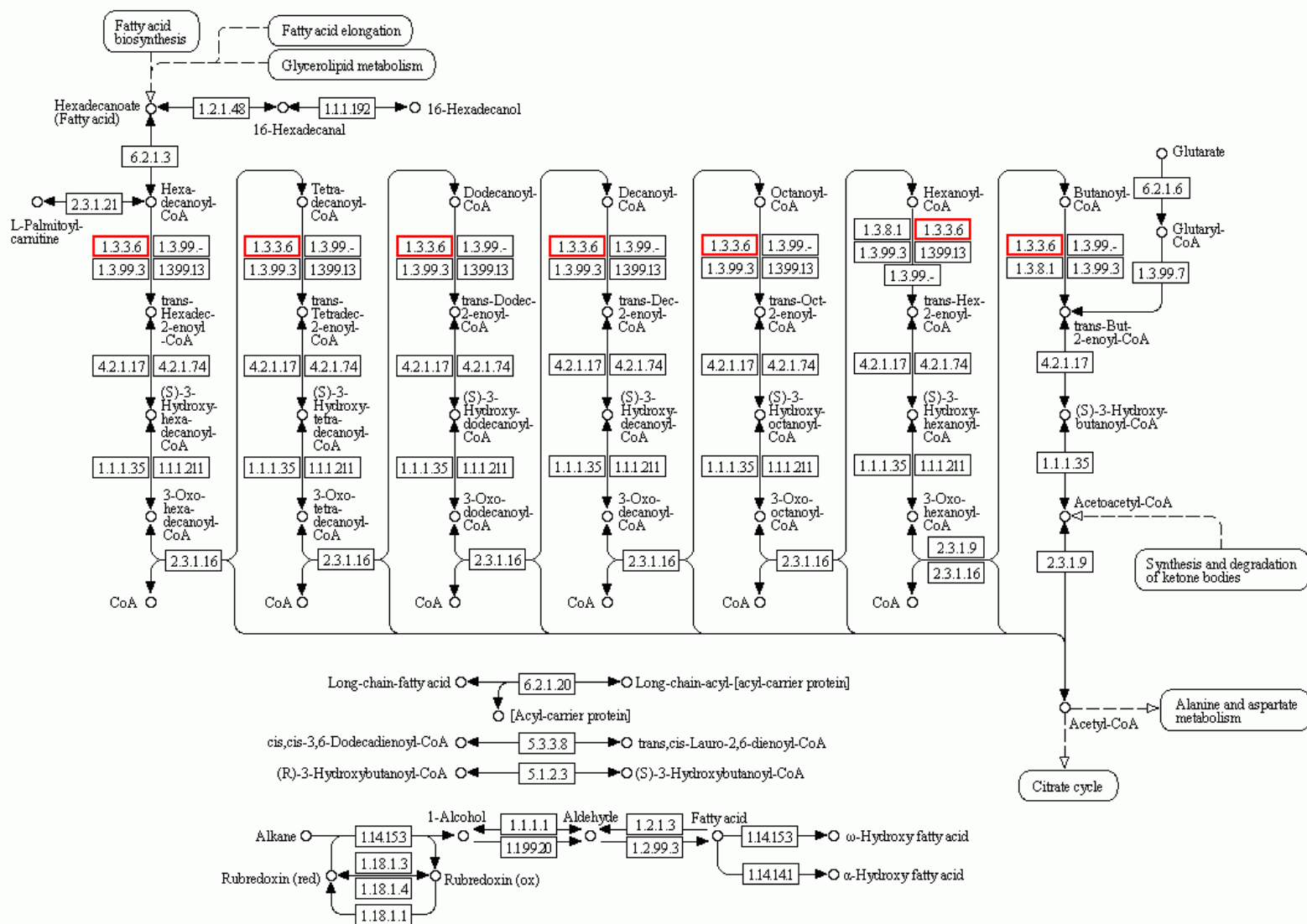


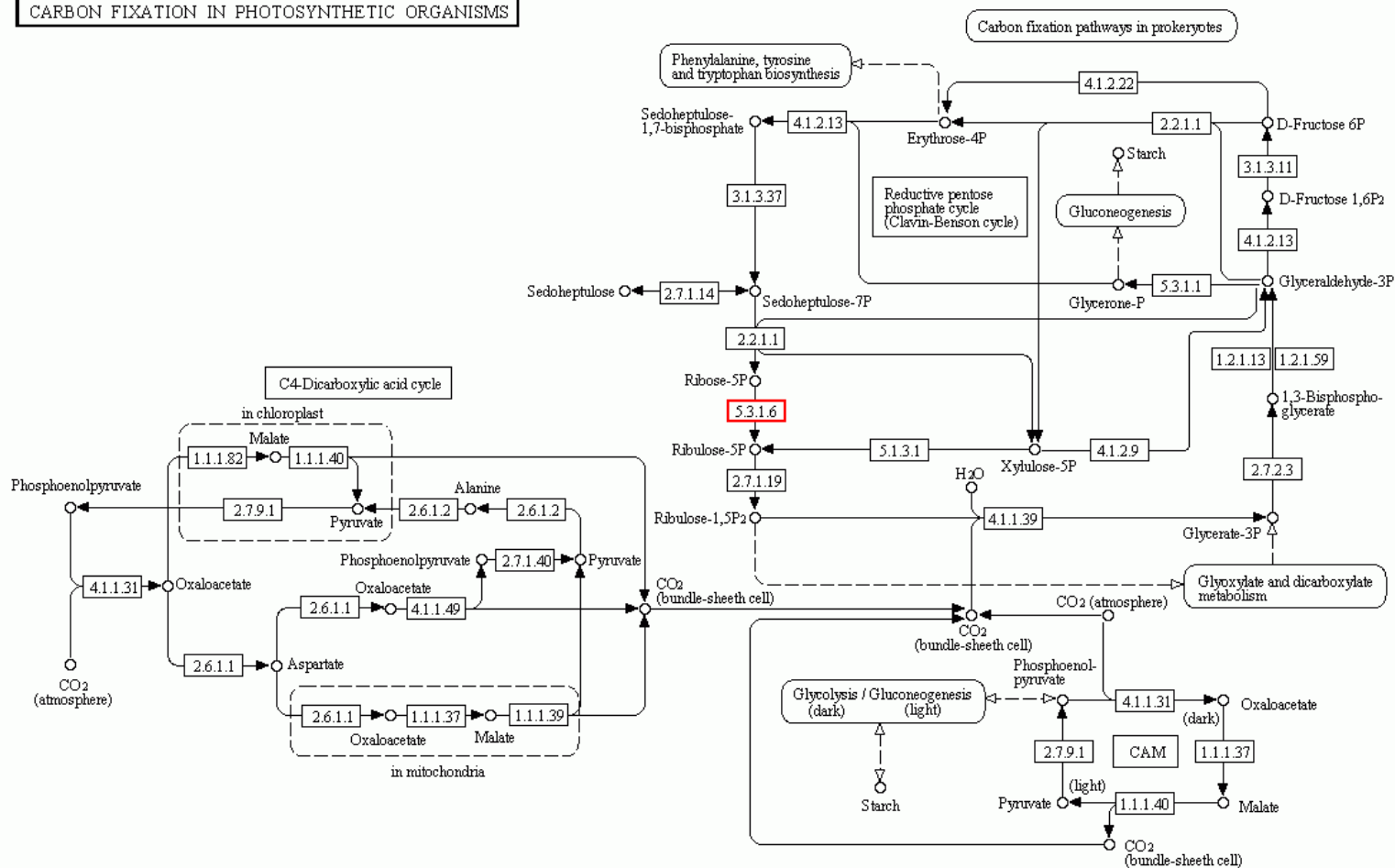
ASCORBATE AND ALDARATE METABOLISM



FATTY ACID METABOLISM



CARBON FIXATION IN PHOTOSYNTHETIC ORGANISMS



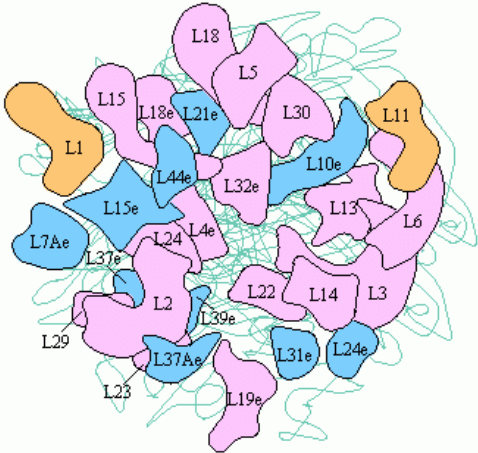
RIBOSOME

Ribosomal RNAs

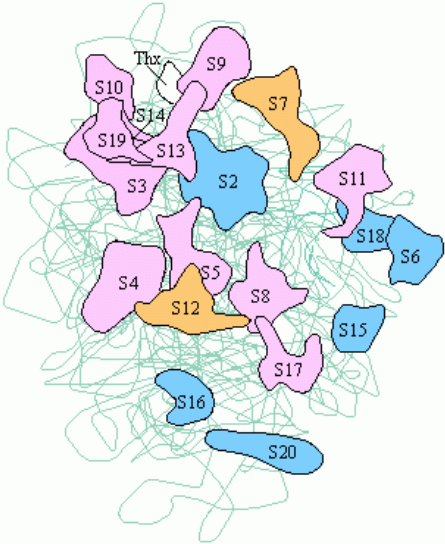
Bacteria / Archaea Eukaryotes	23S	5S		16S
	25S	5S	5.8S	18S

Ribosomal proteins

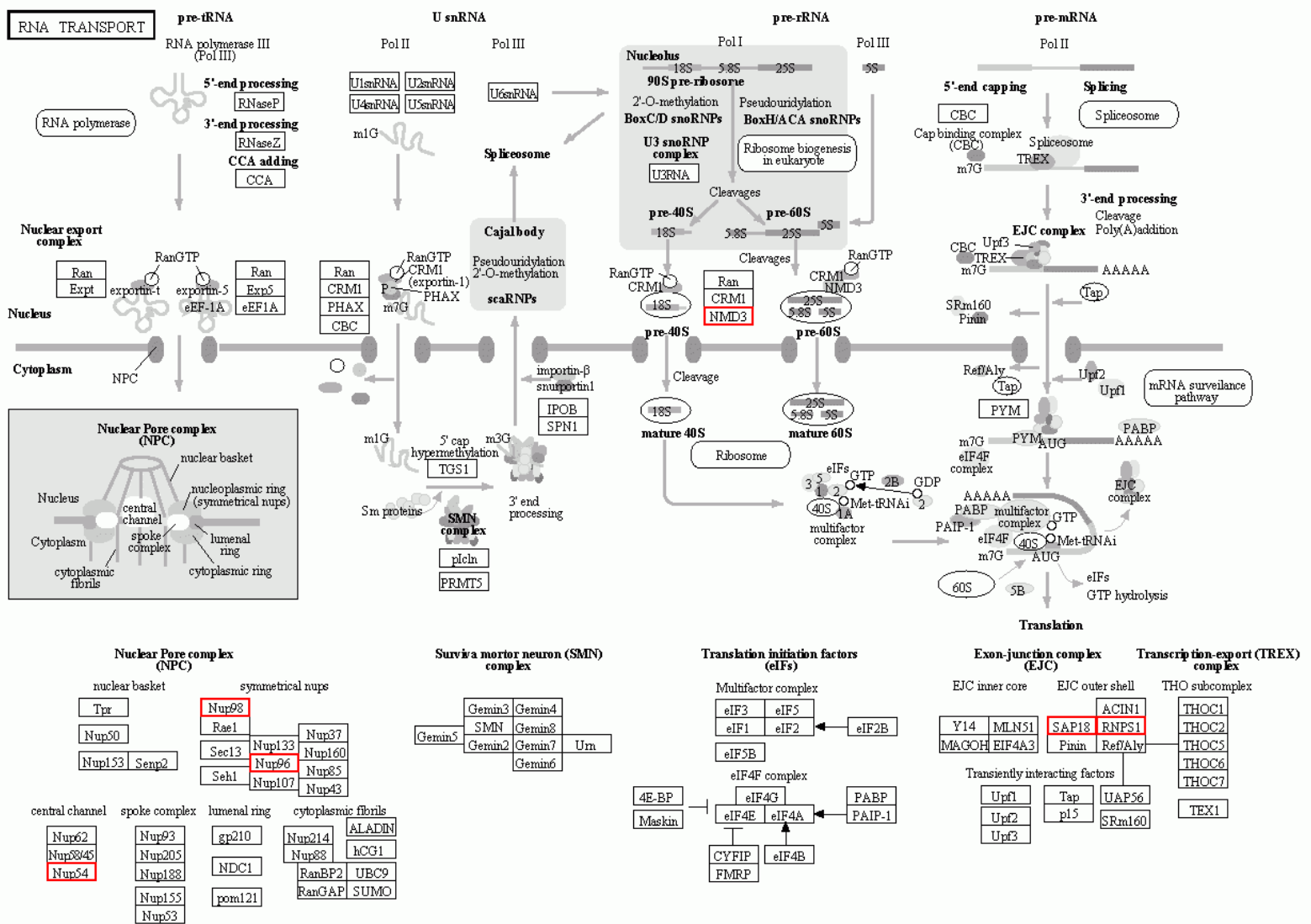
B A/E E	EF-Tu	S10	L3	L4	L23	L2	S19	L22	S3	RP-L16	L29	L7/L12 stalk				
		S20e	L3e	L4e	L23Ae	L8e	S15e	L17e	S3e		L35e					
		L10e														
B A/E E		S17	L14	L24	S4e	L5	S14	S8	L6	L32e	L19e	L18	S5	L30	L15	SecY
		S11e	L23e	L26e		L11e	S29e	S15Ae	L9e			L5e	S2e	L7e	L27Ae	
B A/E E		IF1	L36	S13	S11	S4	RpoA	L17	L13	S9						
											L34e	L14e	S18e	S14e	S9e	L18e
B A/E E	EF-Tu,G	S7	S12	L30e	L7A	RpoC,B	L7/L12	L10	L1	L11						
											S5e	S23e	L7Ae	A	L12	LP0
											LP1,LP2					
B A/E E	EF-Ts	S2	IF2	S15	IF3	L35	L20	L34	RF1	L31	L32	L9	S18	S6		
															SAe	S13e
B		L28	L33	L21	L27	FtsY,Ffh	S16	L19	S1	S20	S21	S22	L25			
A/E		L10e	L13e	L15e	L21e	L24e	L31e	L35Ae	L37e	L37Ae	L39e	L40e	L41e	L44e		
A/E		S3Ae	S6e	S8e	S17e	S19e	S24e	S25e	S26e	S27e	S27Ae	S28e	S30e	A	LX	
E		L6e	L18Ae	L22e	L27e	L28e	L29e	L36e	L38e							
E		S7e	S10e	S12e	S21e											



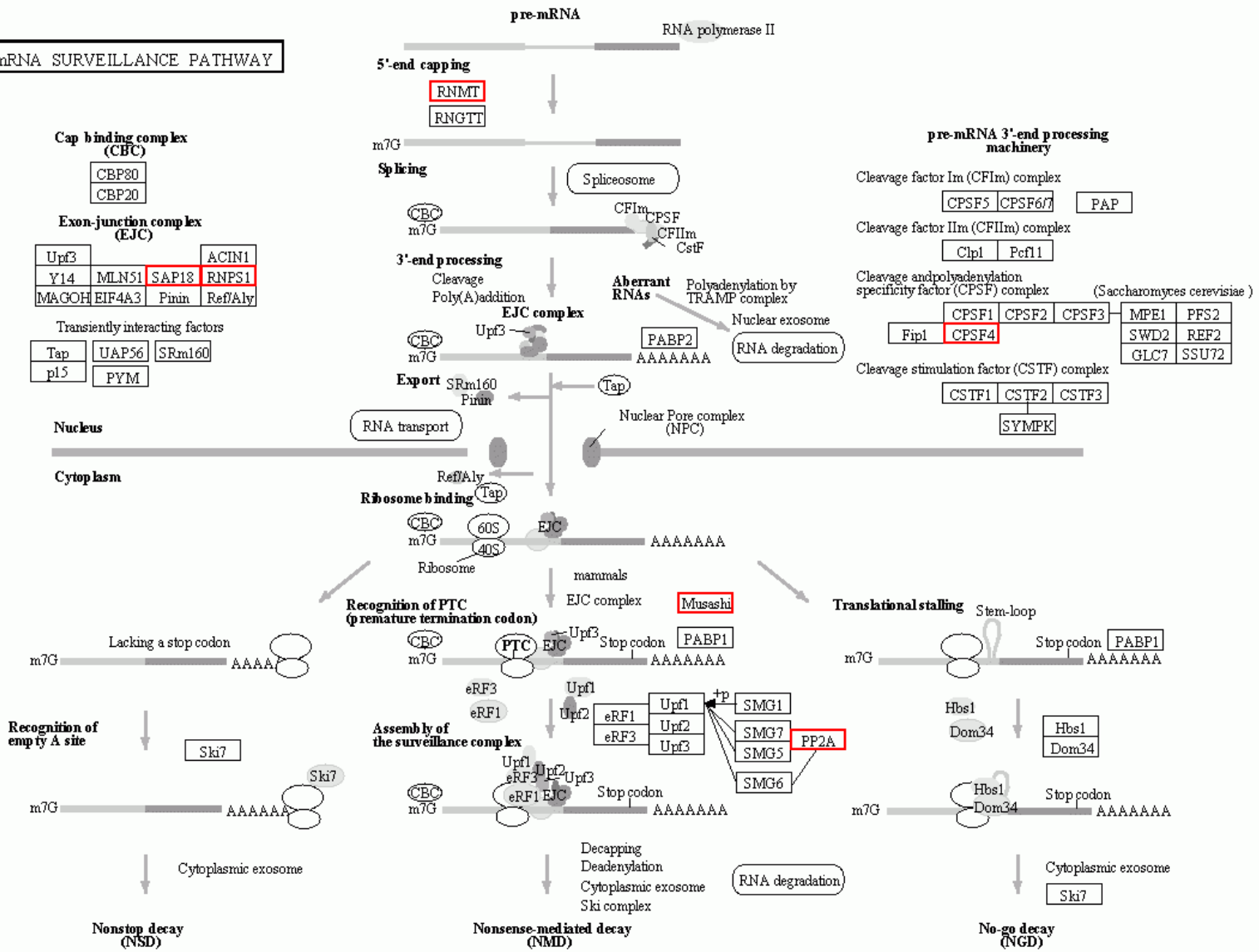
Large subunit (Haloarcula marismortui)



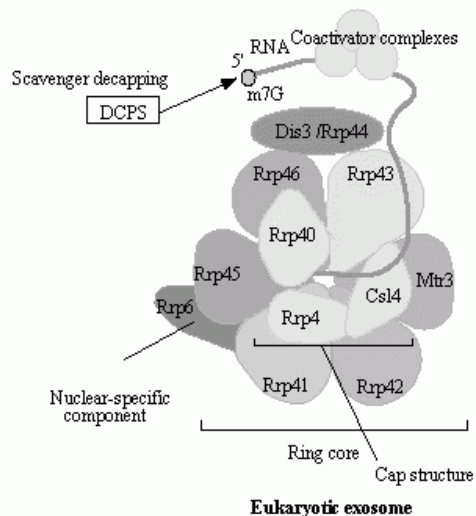
Small subunit (Thermus aquaticus)



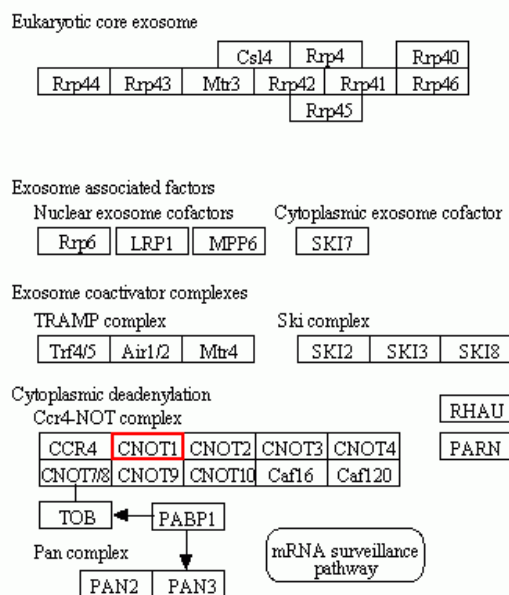
mRNA SURVEILLANCE PATHWAY



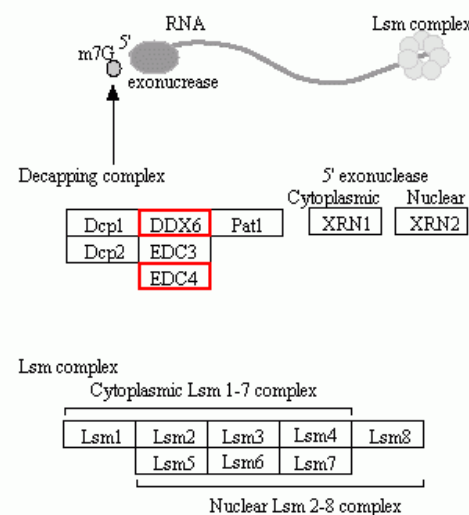
RNA DEGRADATION



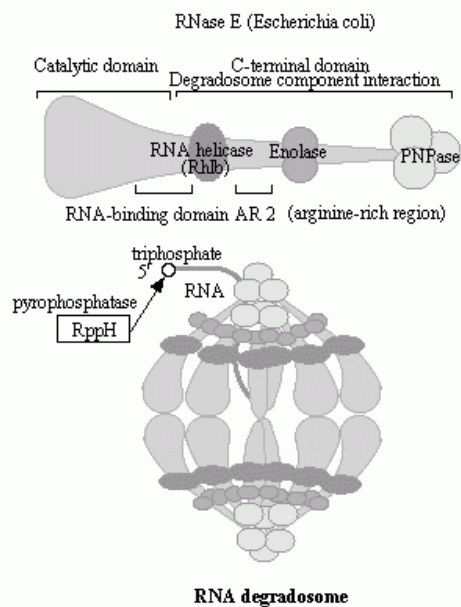
3' → 5' decay



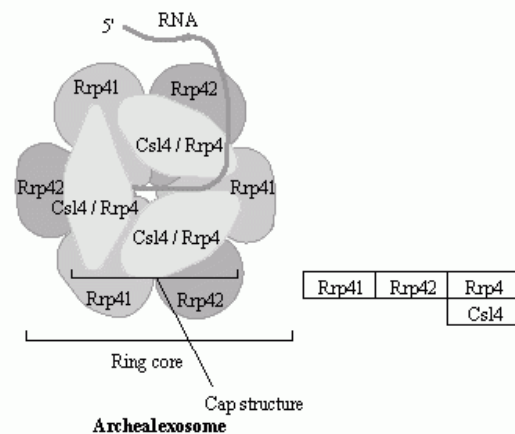
5' → 3' decay



Bacterial RNA degradation



Archeal RNA degradation



PLANT HORMONE SIGNAL TRANSDUCTION

