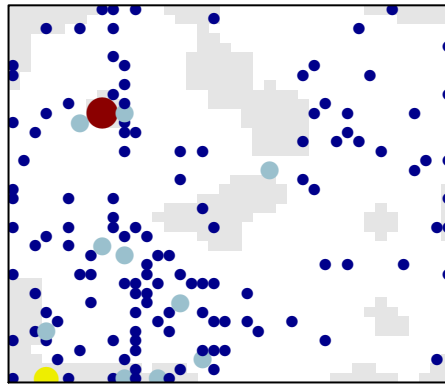
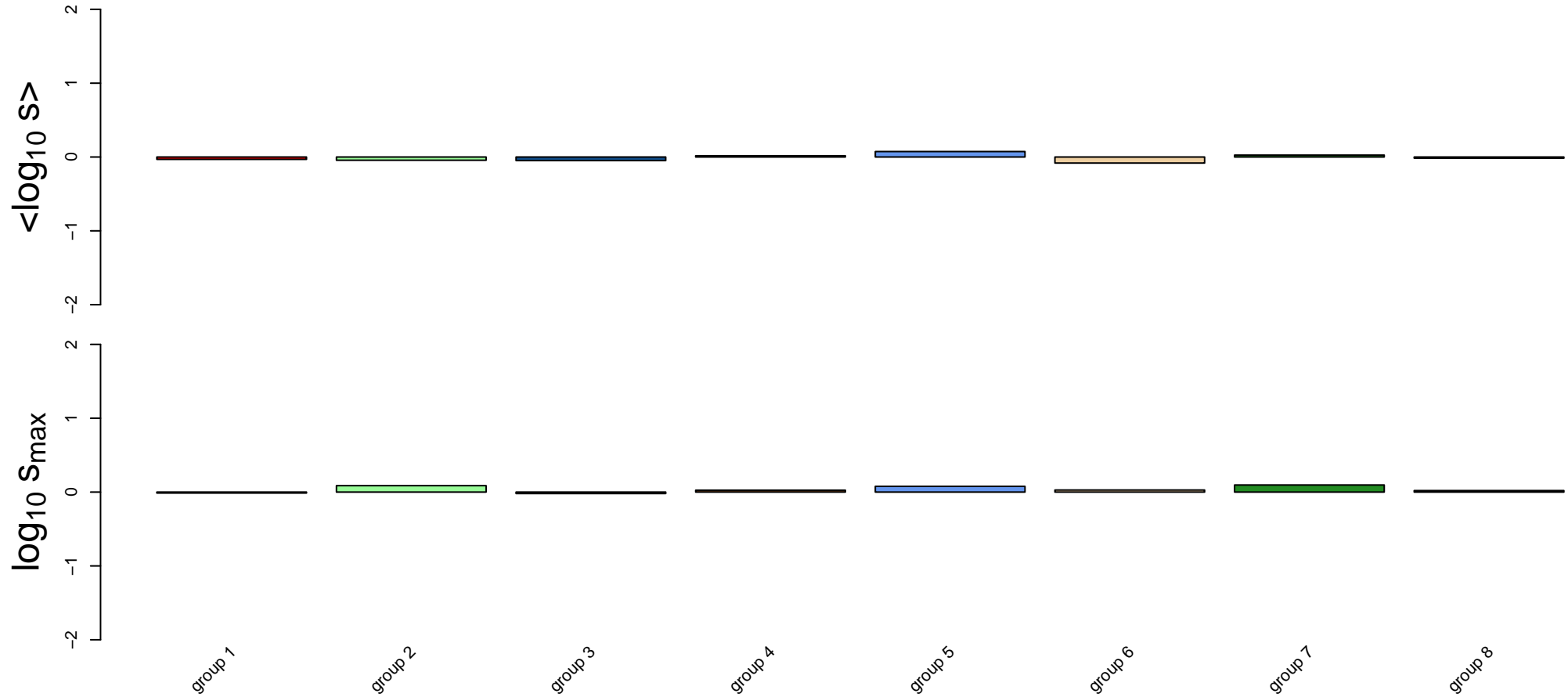
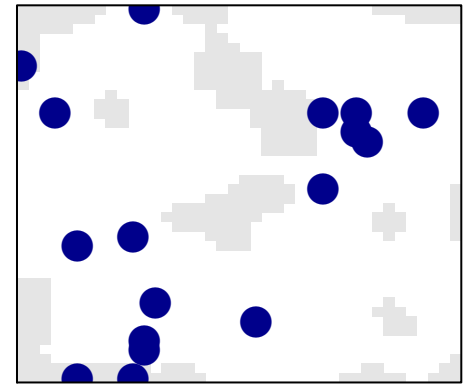


RNA degradation

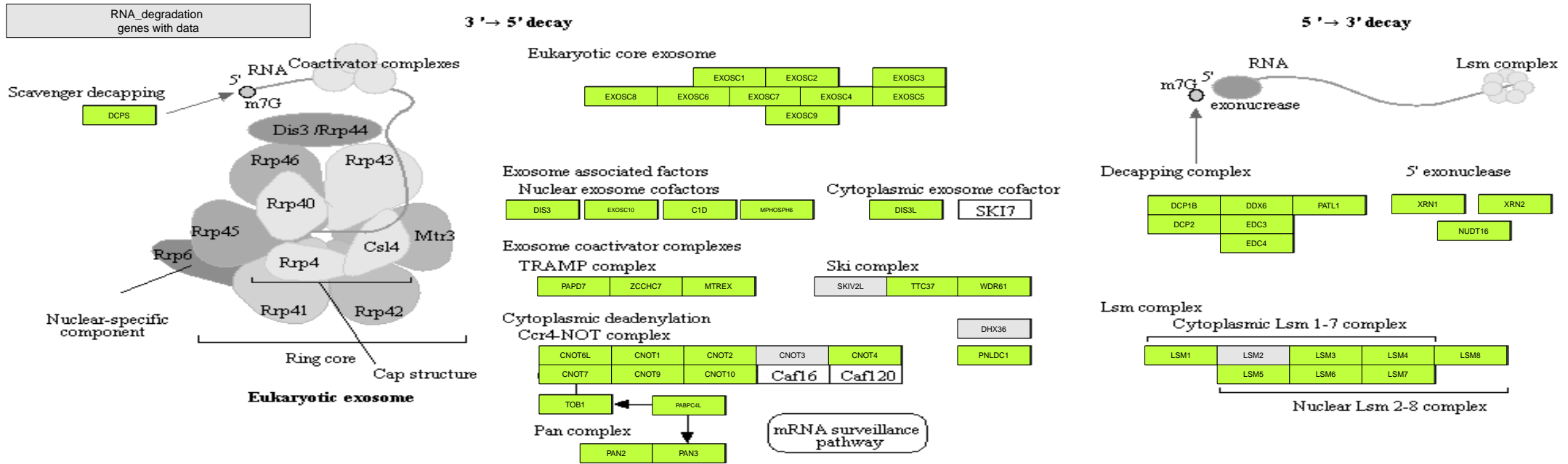
all genes



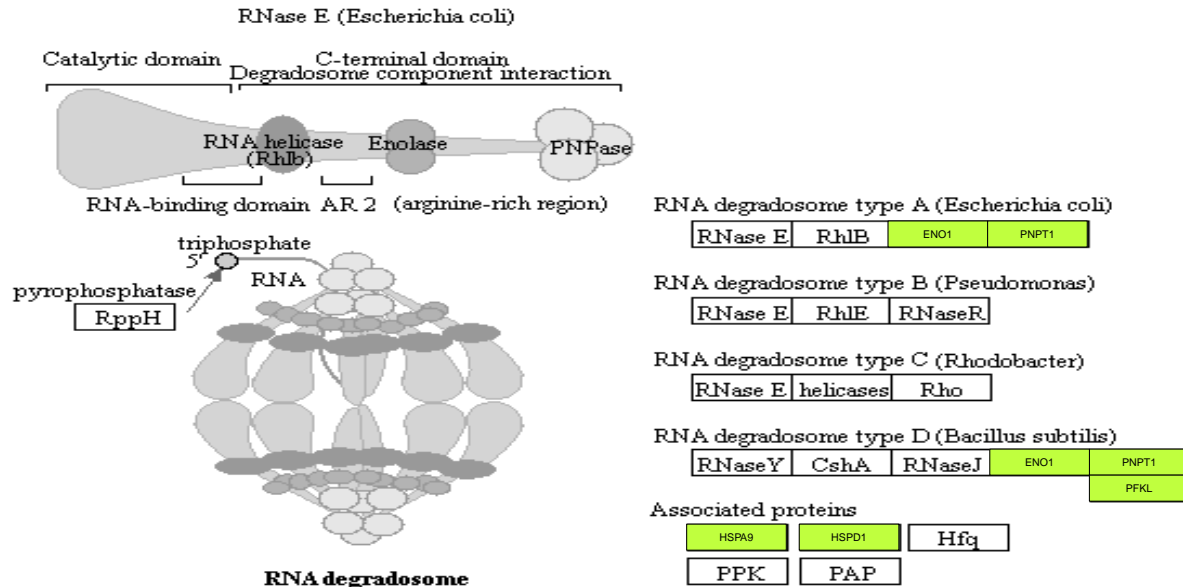
sink node genes



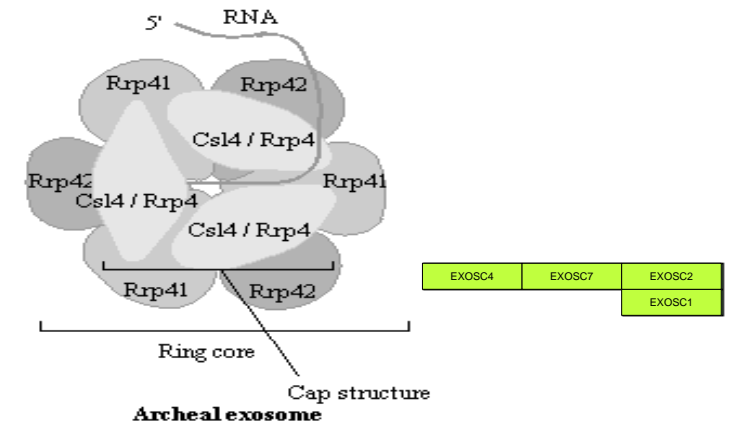
Eukaryotic RNA degradation



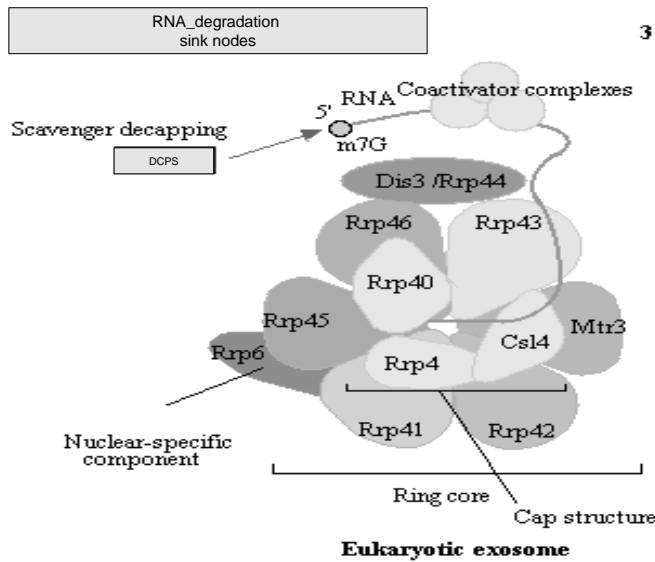
Bacterial RNA degradation



Archeal RNA degradation

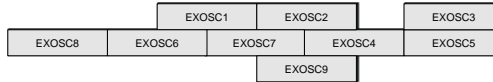


Eukaryotic RNA degradation



3' → 5' decay

Eukaryotic core exosome



Exosome associated factors

Nuclear exosome cofactors



Cytoplasmic exosome cofactor



Exosome coactivator complexes

TRAMP complex

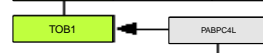
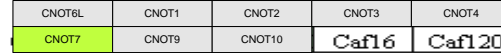


Ski complex



Cytoplasmic deadenylation

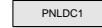
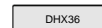
Ccr4/NOT complex



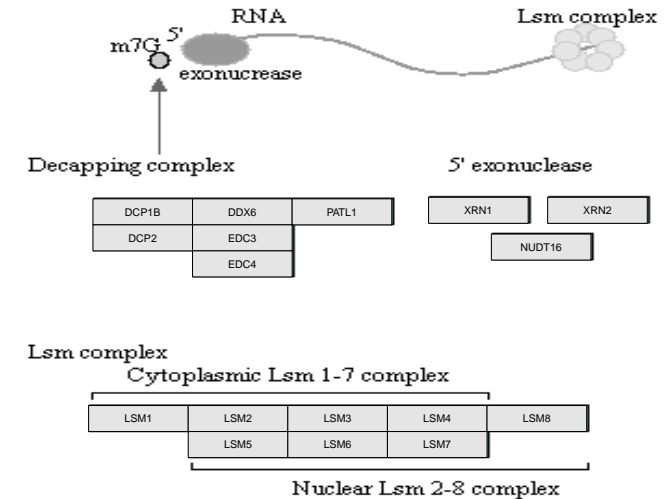
Pan complex



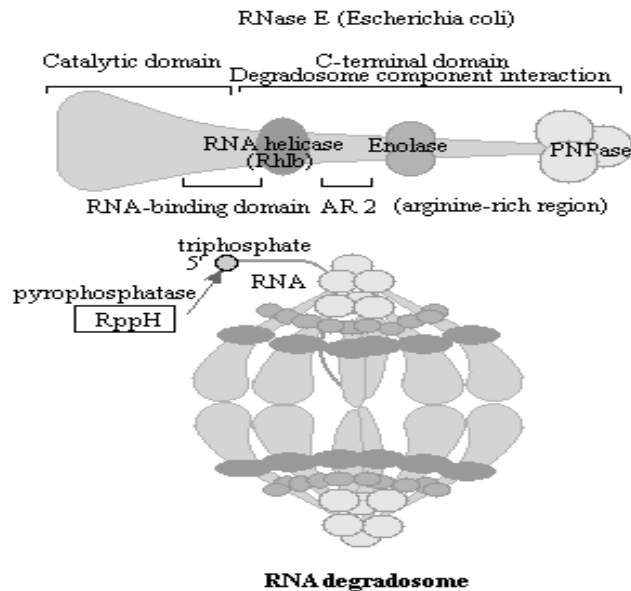
mRNA surveillance pathway



5' → 3' decay



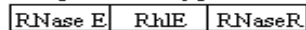
Bacterial RNA degradation



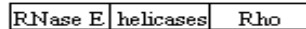
RNA degradosome type A (Escherichia coli)



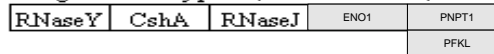
RNA degradosome type B (Pseudomonas)



RNA degradosome type C (Rhodobacter)



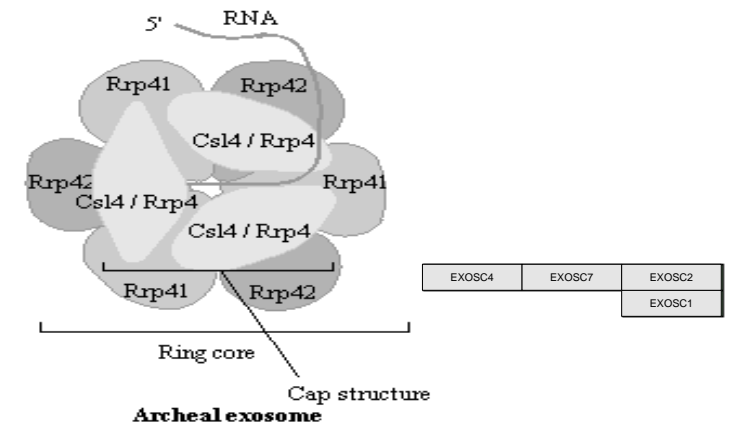
RNA degradosome type D (Bacillus subtilis)



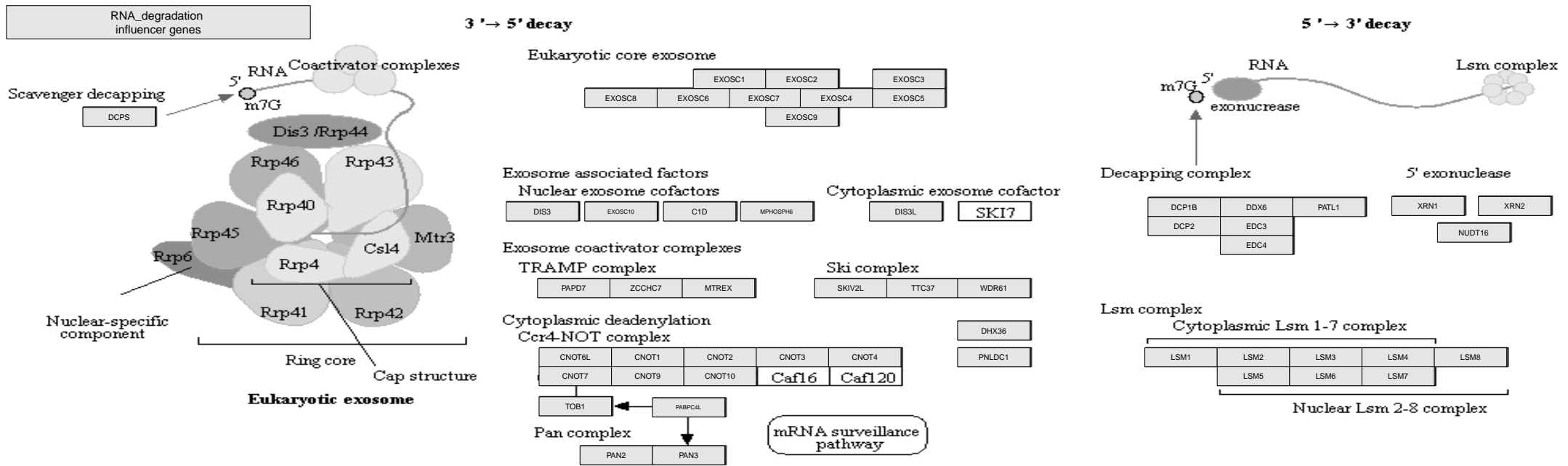
Associated proteins



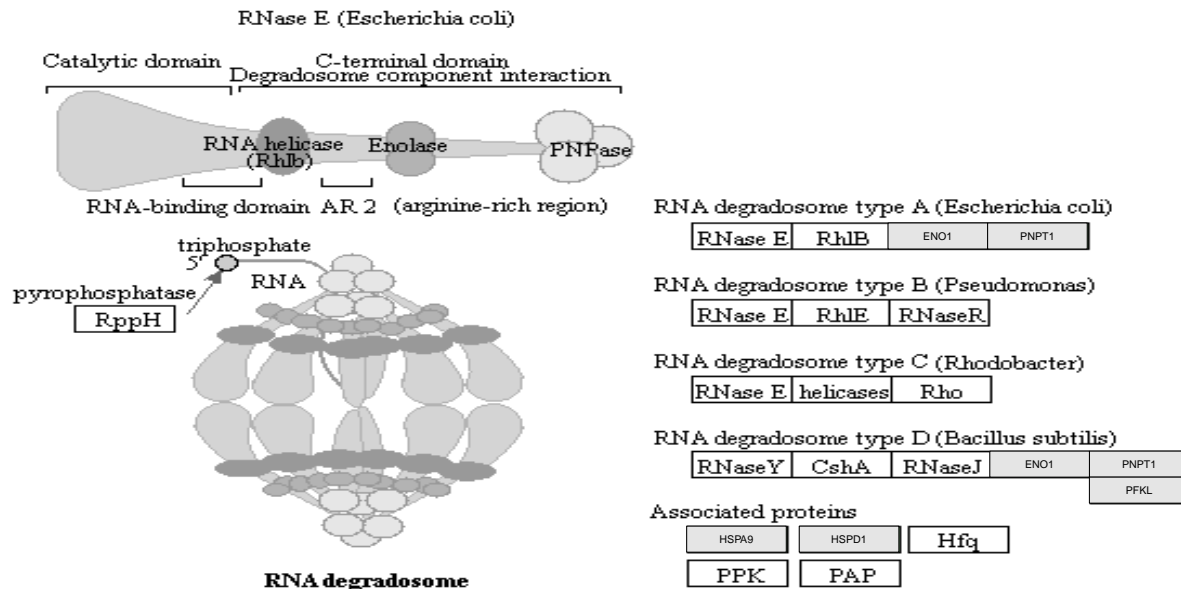
Archeal RNA degradation



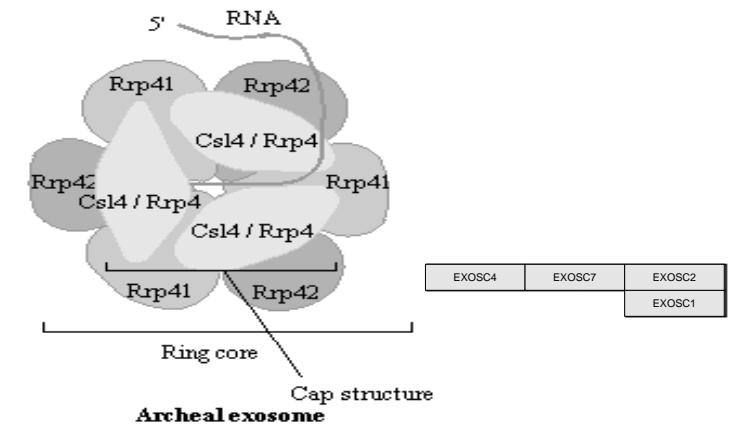
Eukaryotic RNA degradation



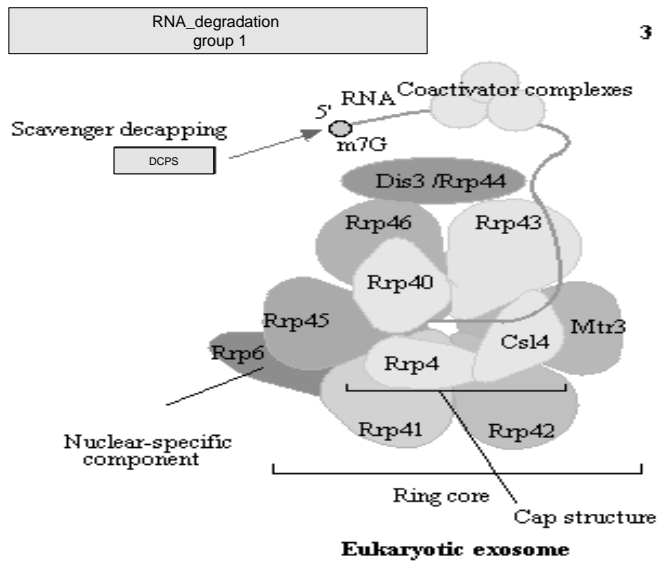
Bacterial RNA degradation



Archeal RNA degradation

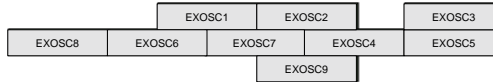


Eukaryotic RNA degradation



3' → 5' decay

Eukaryotic core exosome



Exosome associated factors

Nuclear exosome cofactors



Cytoplasmic exosome cofactor

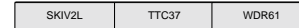


Exosome coactivator complexes

TRAMP complex

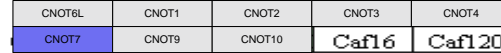


Ski complex



Cytoplasmic deadenylation

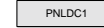
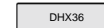
Ccr4/NOT complex



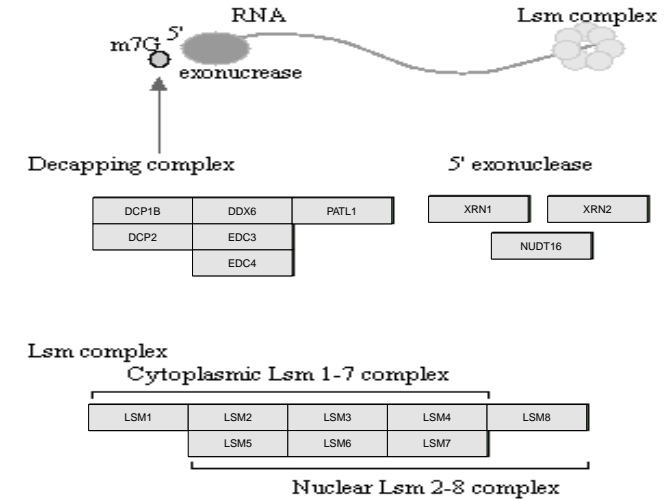
Pan complex



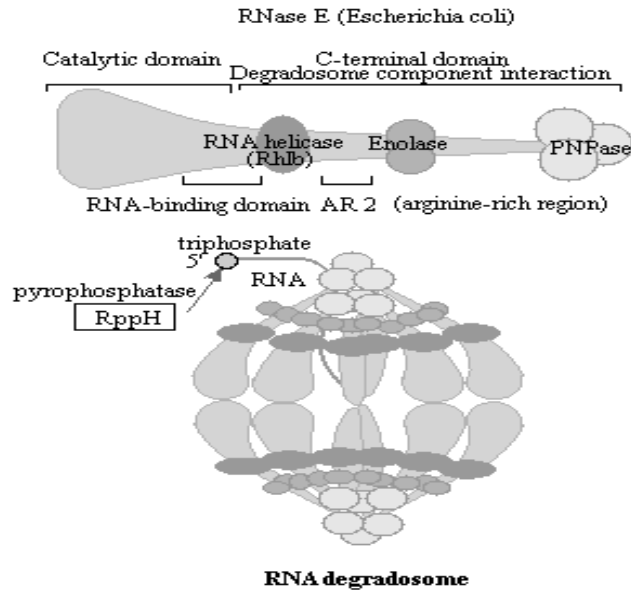
mRNA surveillance pathway



5' → 3' decay



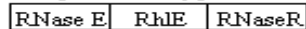
Bacterial RNA degradation



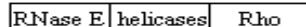
RNA degradosome type A (Escherichia coli)



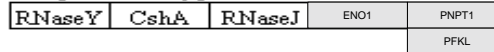
RNA degradosome type B (Pseudomonas)



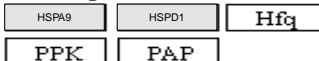
RNA degradosome type C (Rhodobacter)



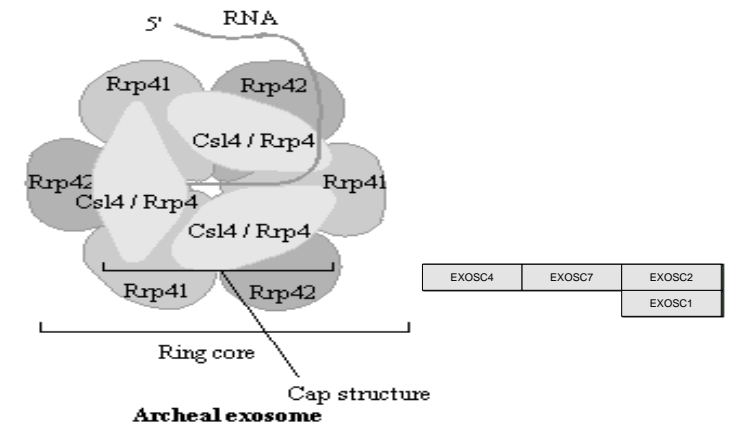
RNA degradosome type D (Bacillus subtilis)



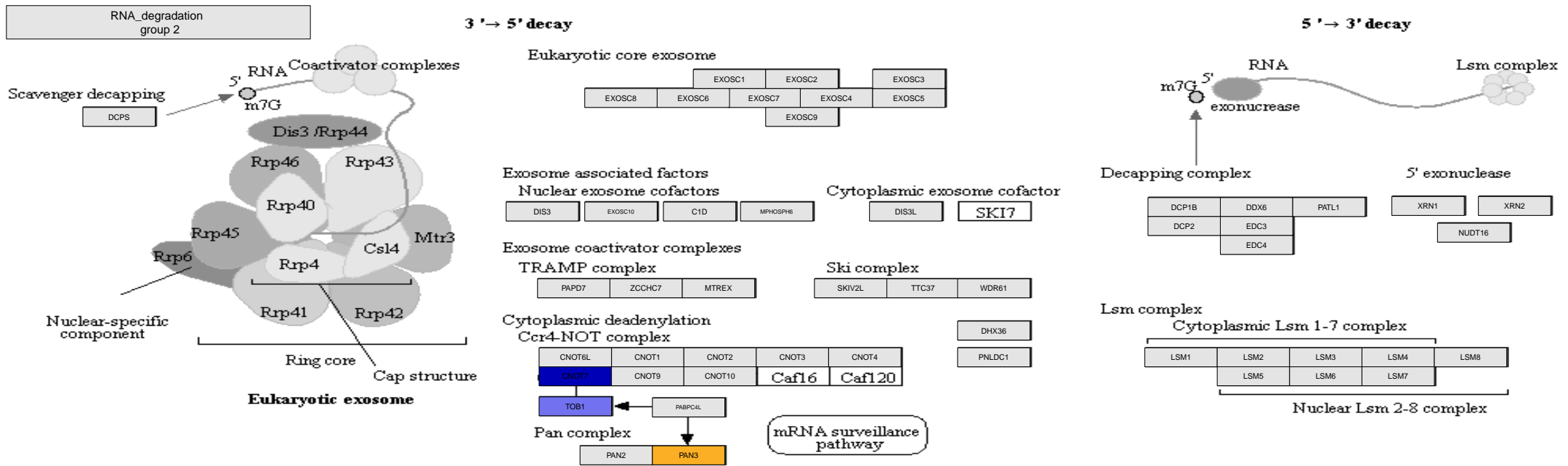
Associated proteins



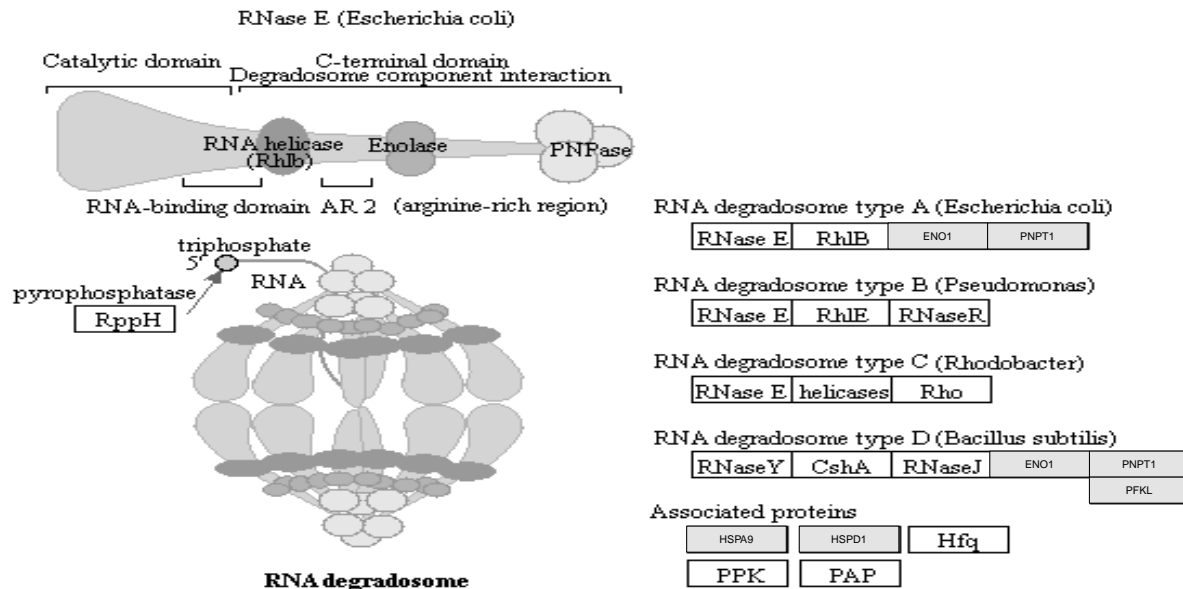
Archeal RNA degradation



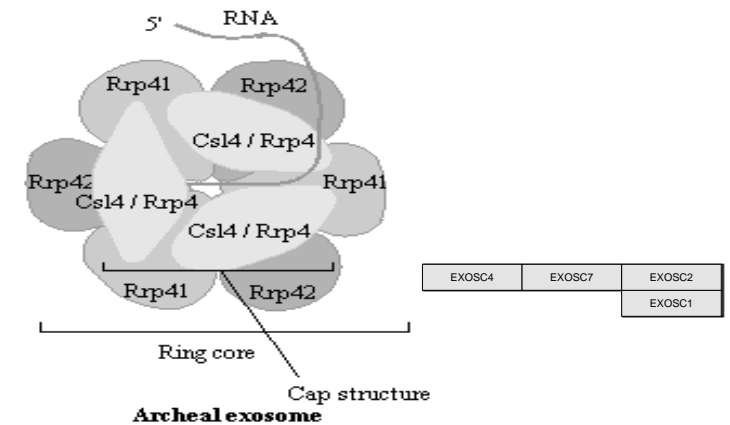
Eukaryotic RNA degradation



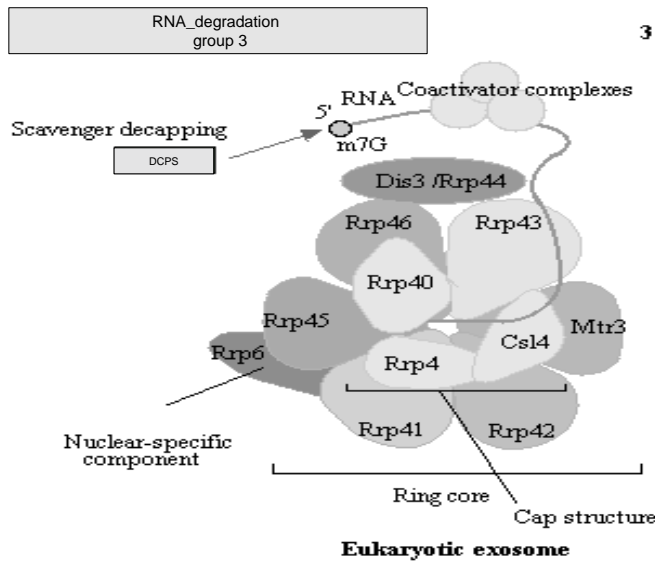
Bacterial RNA degradation



Archeal RNA degradation

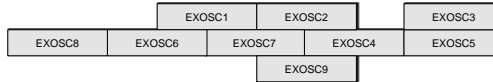


Eukaryotic RNA degradation



3' → 5' decay

Eukaryotic core exosome



Exosome associated factors

Nuclear exosome cofactors



Cytoplasmic exosome cofactor



Exosome coactivator complexes

TRAMP complex

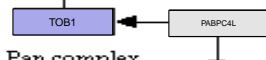
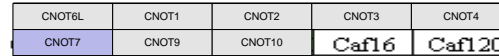


Ski complex



Cytoplasmic deadenylation

Ccr4/NOT complex



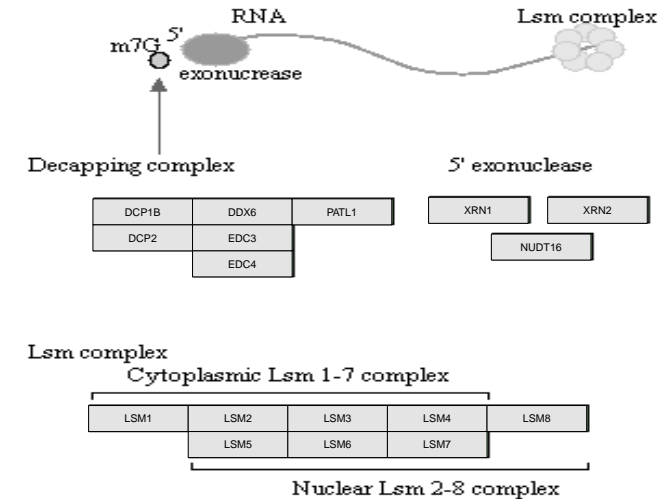
Pan complex



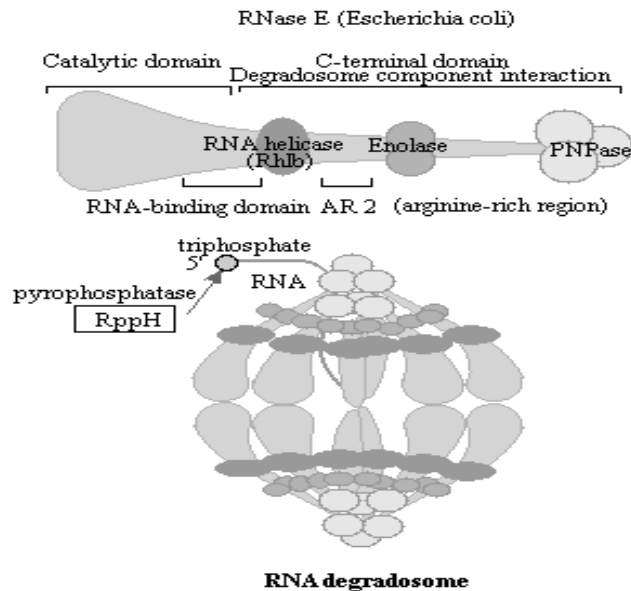
mRNA surveillance pathway



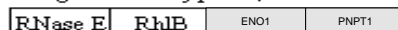
5' → 3' decay



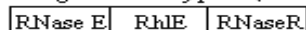
Bacterial RNA degradation



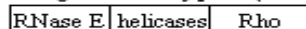
RNA degradosome type A (Escherichia coli)



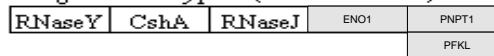
RNA degradosome type B (Pseudomonas)



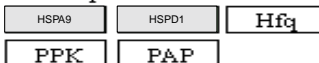
RNA degradosome type C (Rhodobacter)



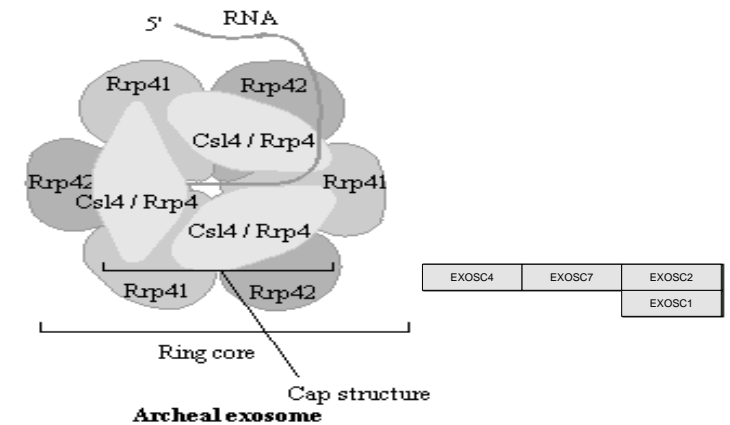
RNA degradosome type D (Bacillus subtilis)



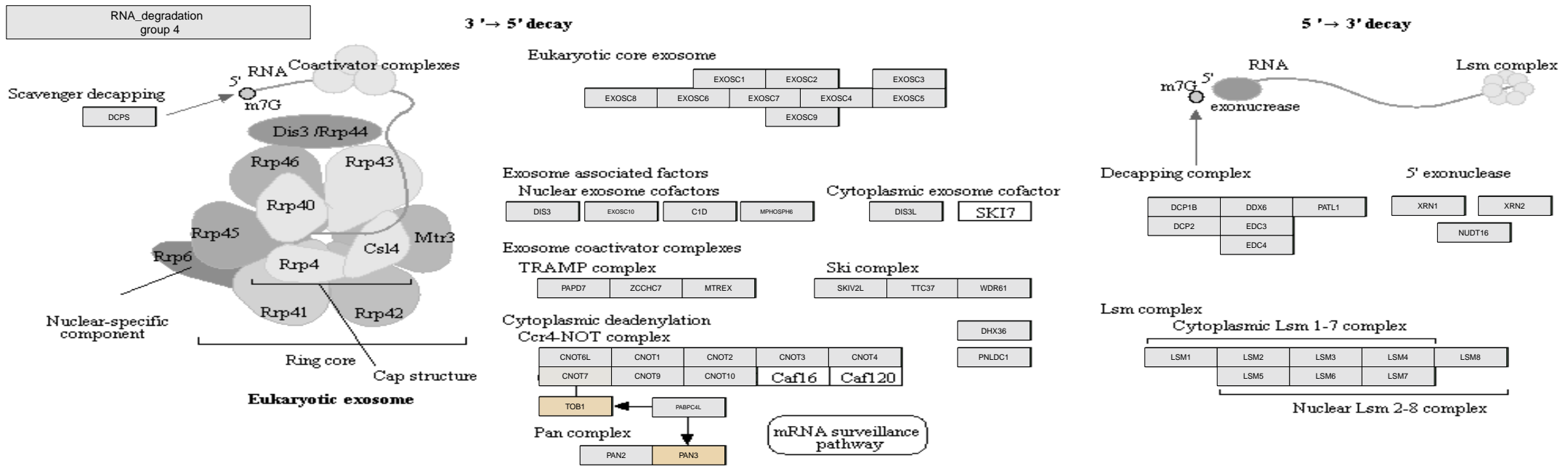
Associated proteins



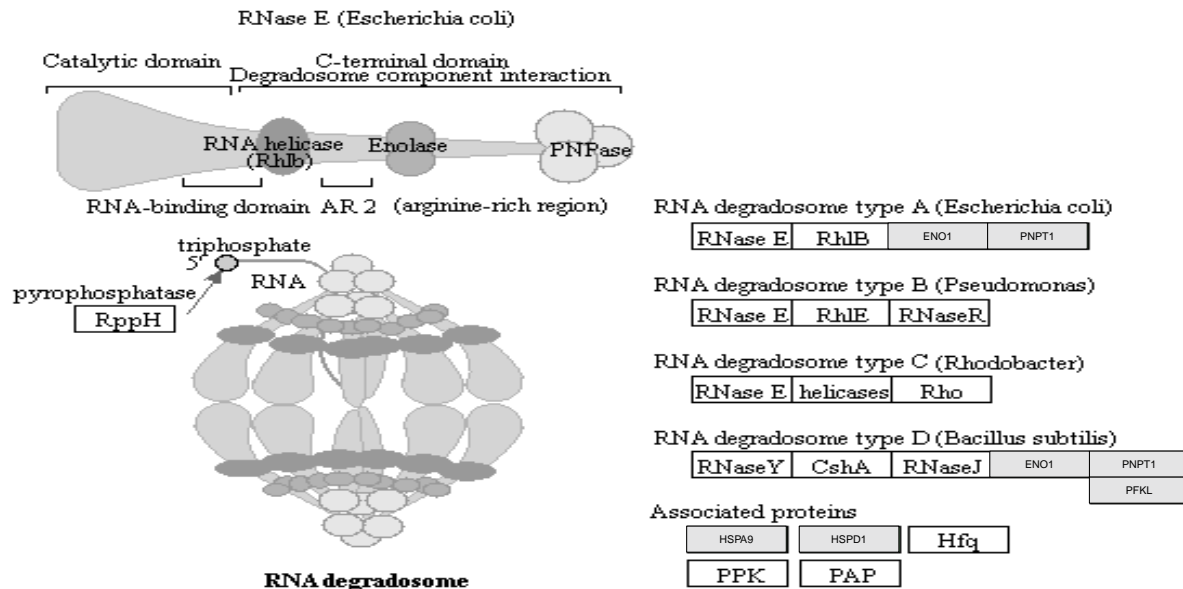
Archeal RNA degradation



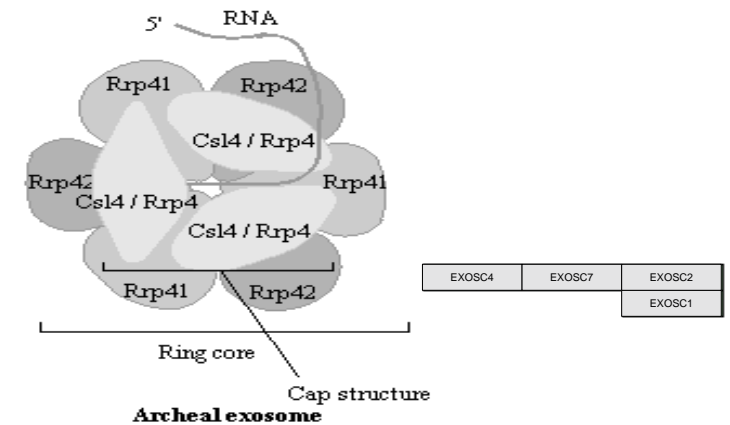
Eukaryotic RNA degradation



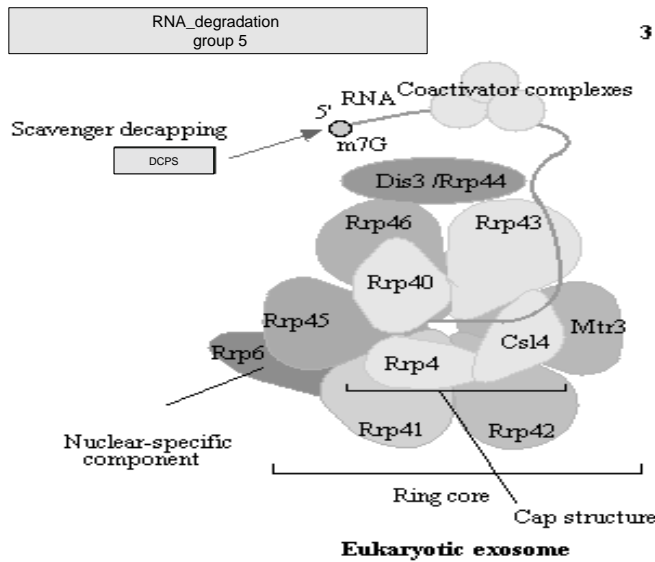
Bacterial RNA degradation



Archeal RNA degradation

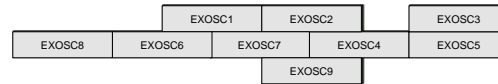


Eukaryotic RNA degradation



3' → 5' decay

Eukaryotic core exosome



Exosome associated factors

Nuclear exosome cofactors



Cytoplasmic exosome cofactor

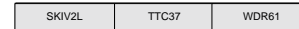


Exosome coactivator complexes

TRAMP complex

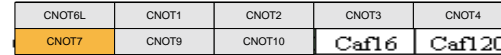


Ski complex



Cytoplasmic deadenylation

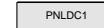
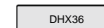
Ccr4/NOT complex



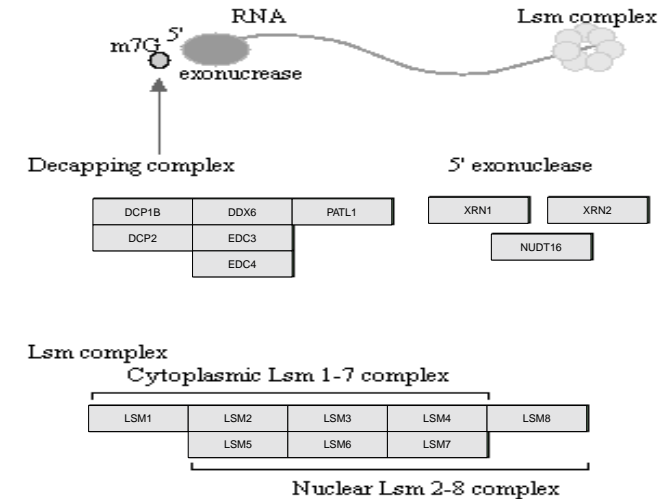
Pan complex



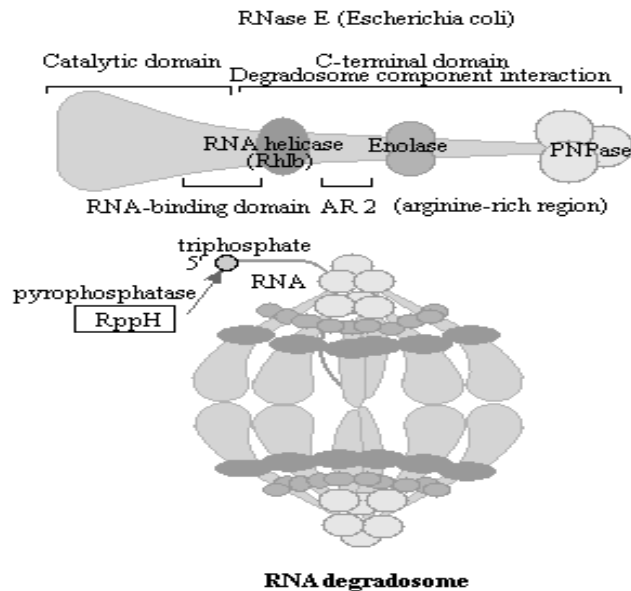
mRNA surveillance pathway



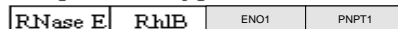
5' → 3' decay



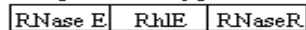
Bacterial RNA degradation



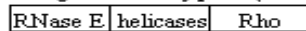
RNA degradosome type A (Escherichia coli)



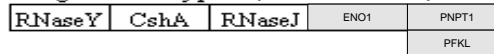
RNA degradosome type B (Pseudomonas)



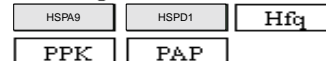
RNA degradosome type C (Rhodobacter)



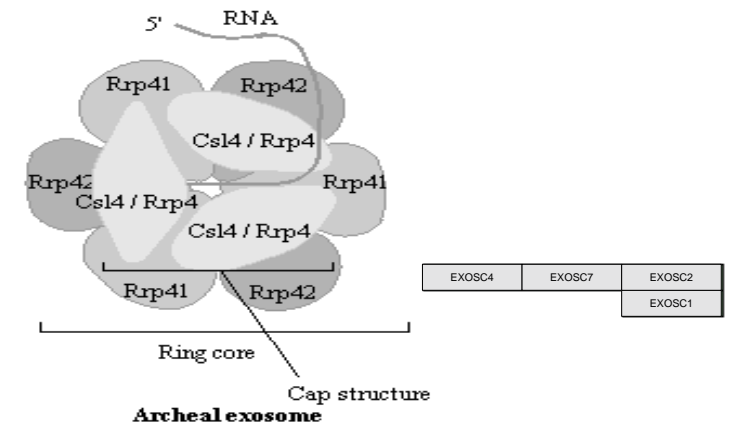
RNA degradosome type D (Bacillus subtilis)



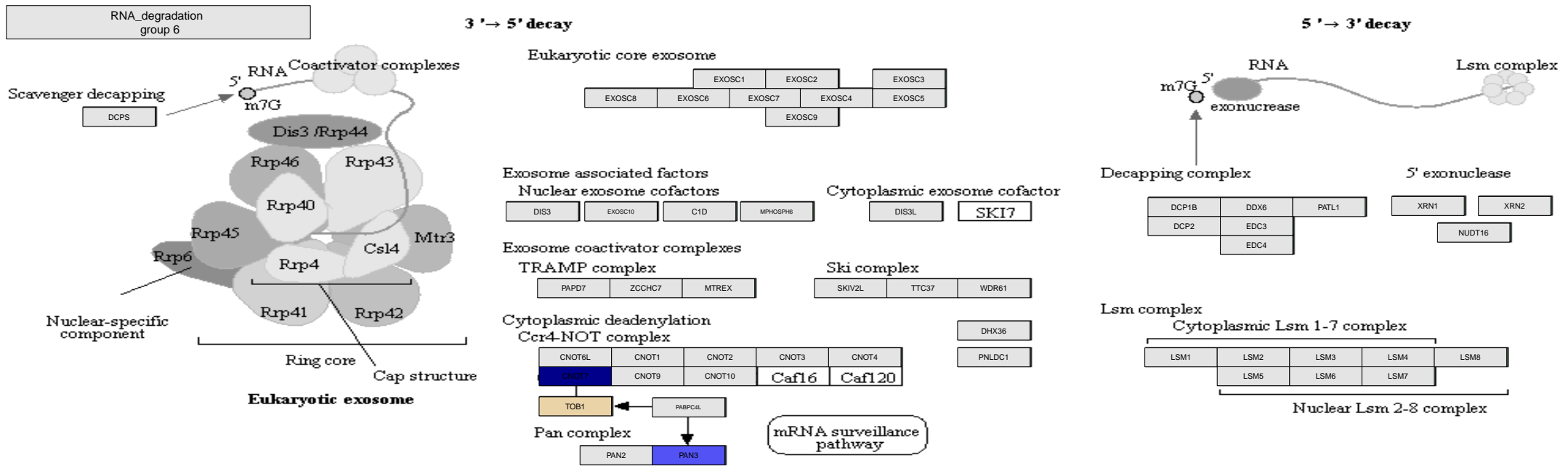
Associated proteins



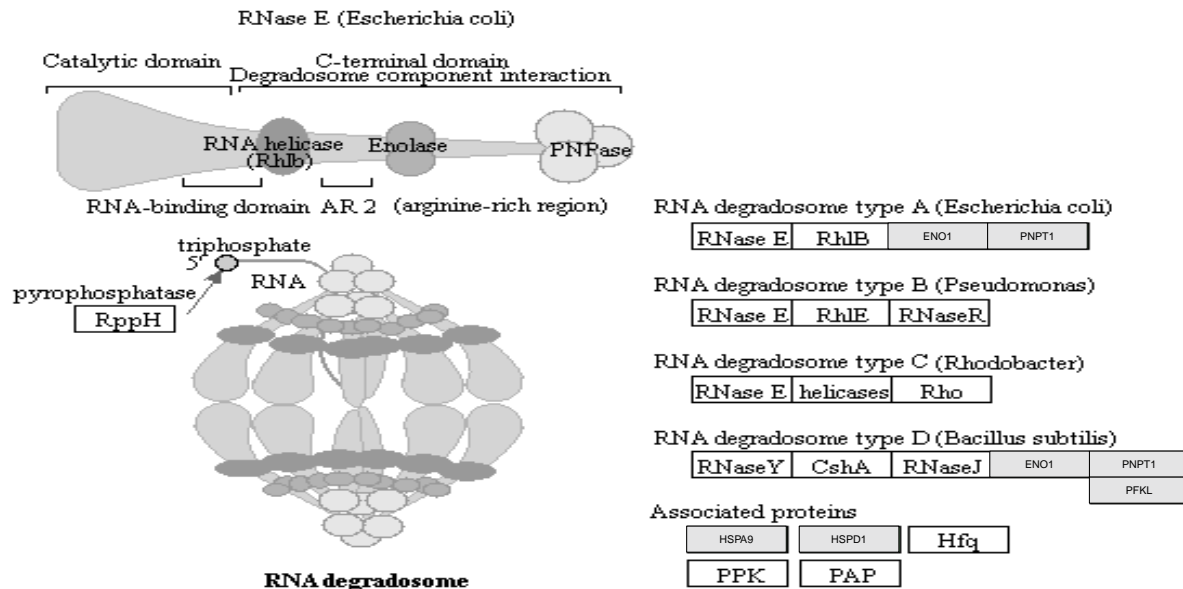
Archeal RNA degradation



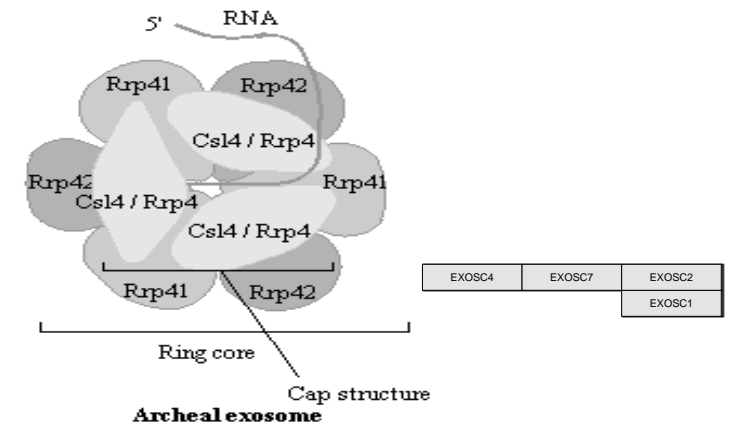
Eukaryotic RNA degradation



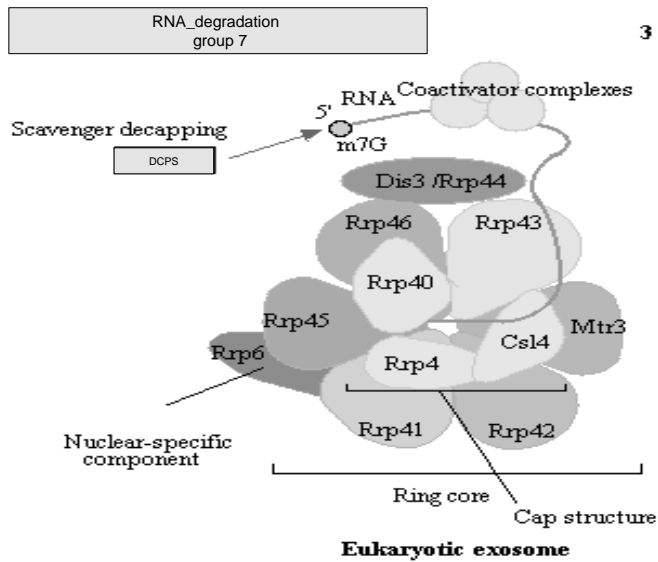
Bacterial RNA degradation



Archeal RNA degradation

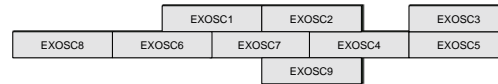


Eukaryotic RNA degradation



3' → 5' decay

Eukaryotic core exosome



Exosome associated factors

Nuclear exosome cofactors



Cytoplasmic exosome cofactor

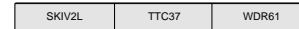


Exosome coactivator complexes

TRAMP complex

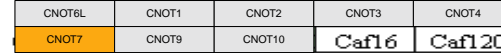


Ski complex



Cytoplasmic deadenylation

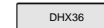
Ccr4/NOT complex



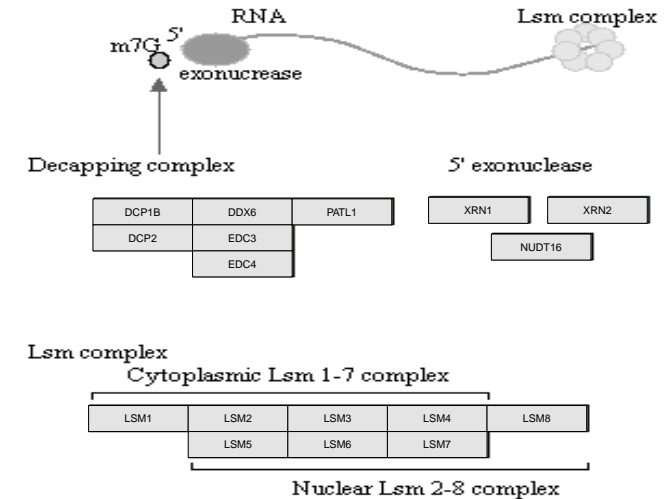
Pan complex



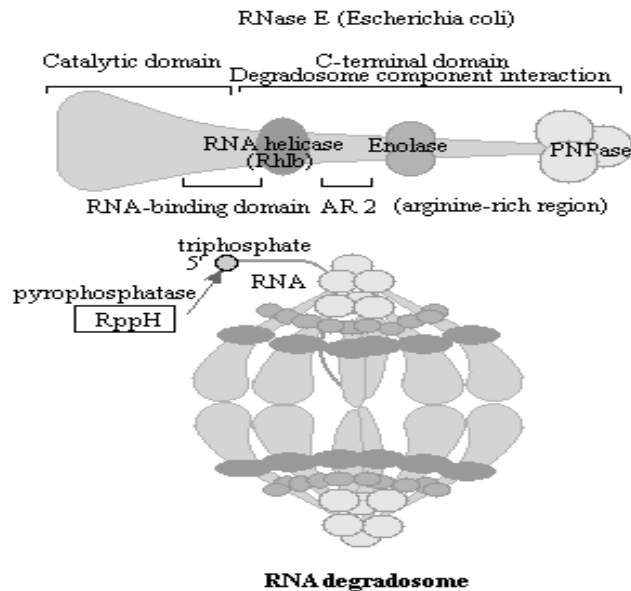
mRNA surveillance pathway



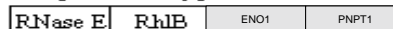
5' → 3' decay



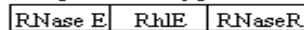
Bacterial RNA degradation



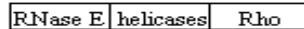
RNA degradosome type A (Escherichia coli)



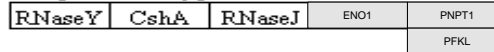
RNA degradosome type B (Pseudomonas)



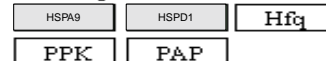
RNA degradosome type C (Rhodobacter)



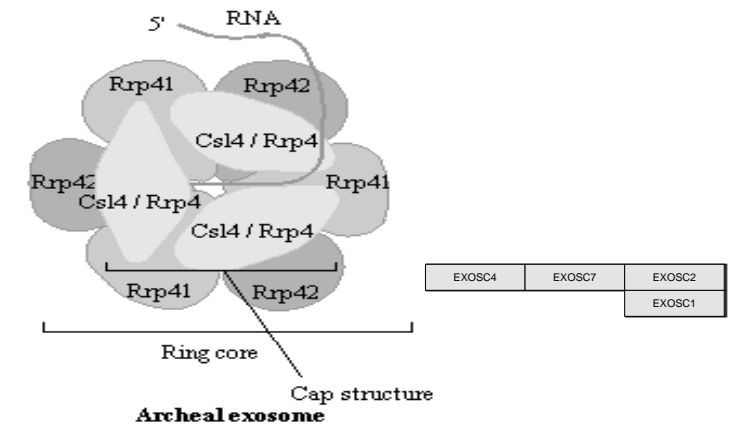
RNA degradosome type D (Bacillus subtilis)



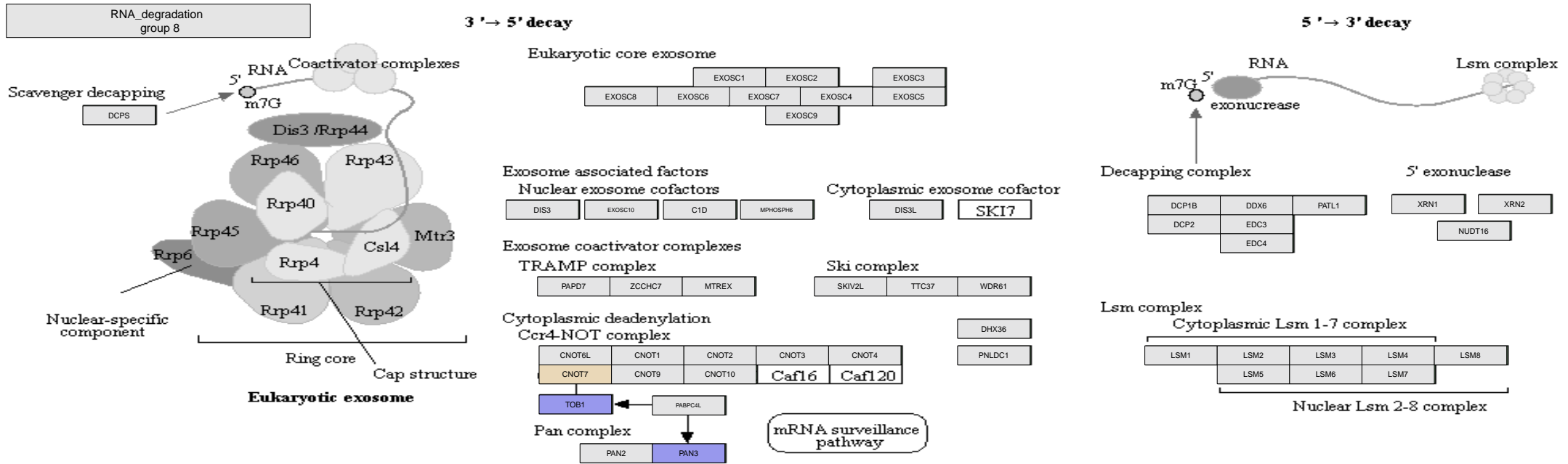
Associated proteins



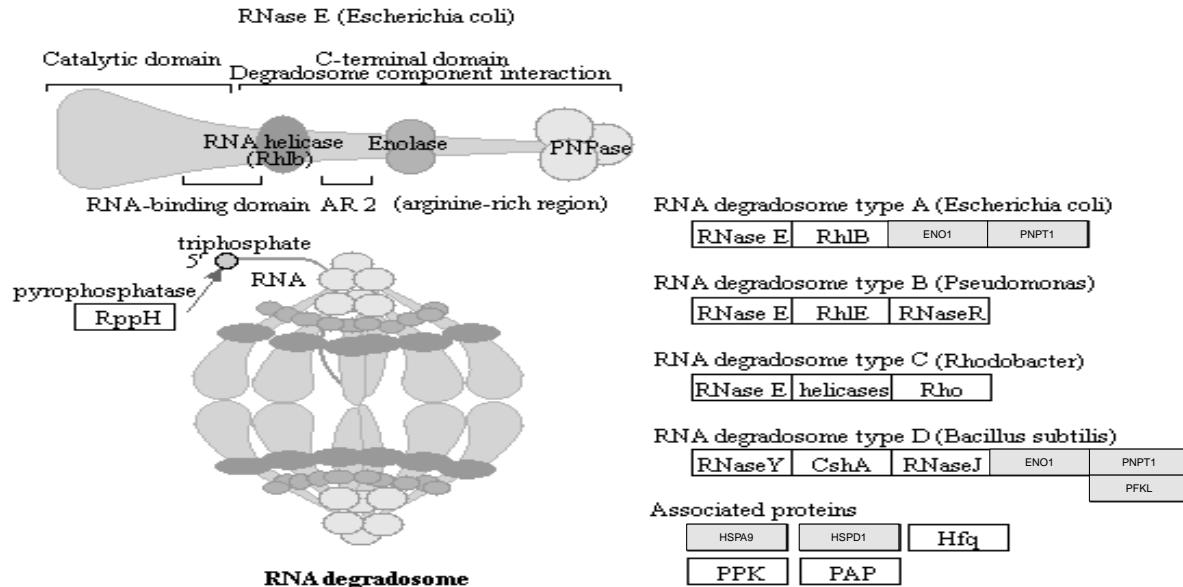
Archeal RNA degradation



Eukaryotic RNA degradation



Bacterial RNA degradation



Archeal RNA degradation

