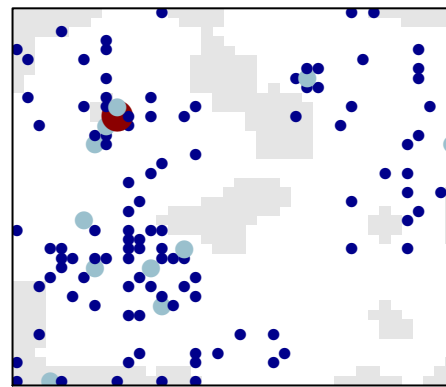


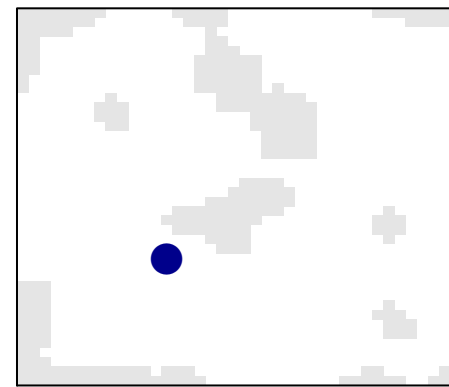
# Ribosome biogenesis in eukaryotes

all genes

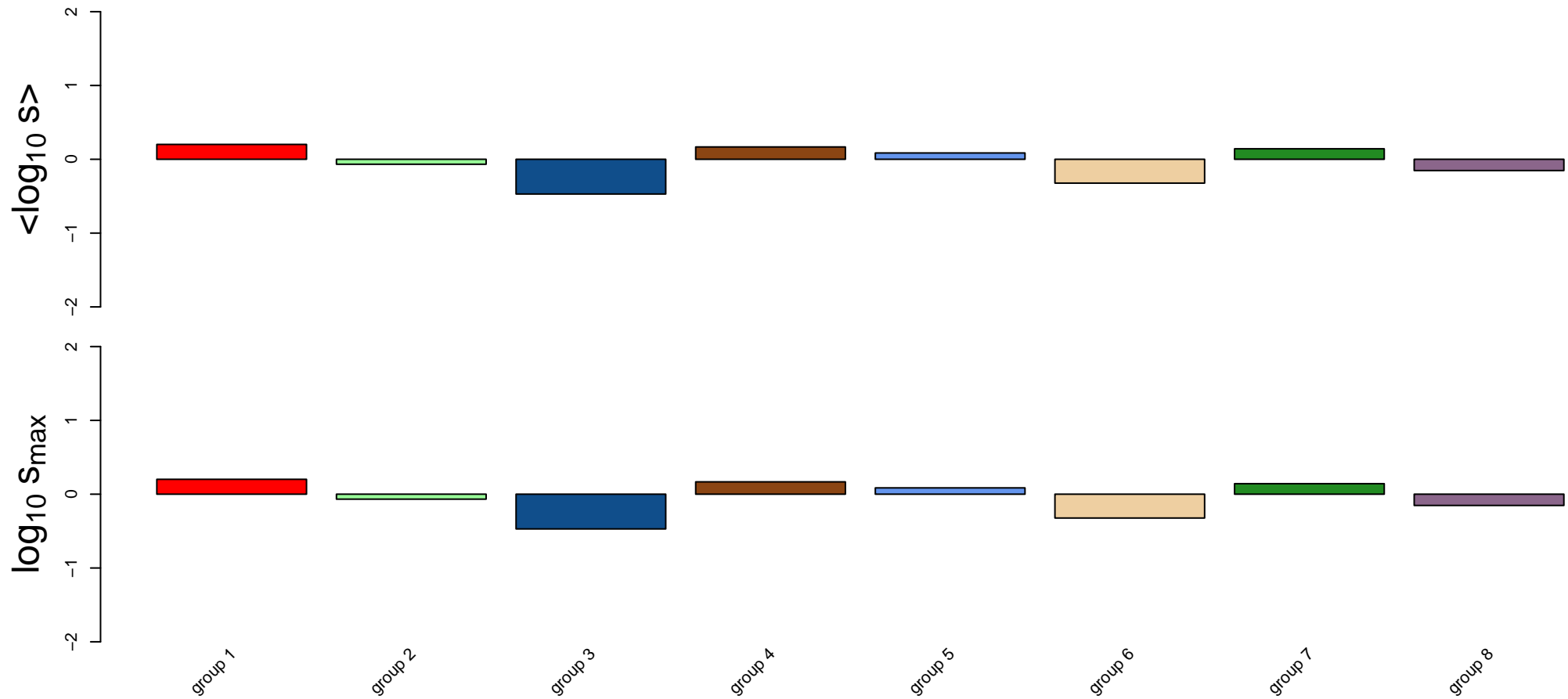


maximum = 4

sink node genes



maximum = 1

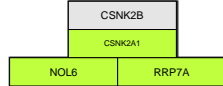


**Ribosomal RNAs**



**90S pre-ribosome components**

**UTP-C complex**



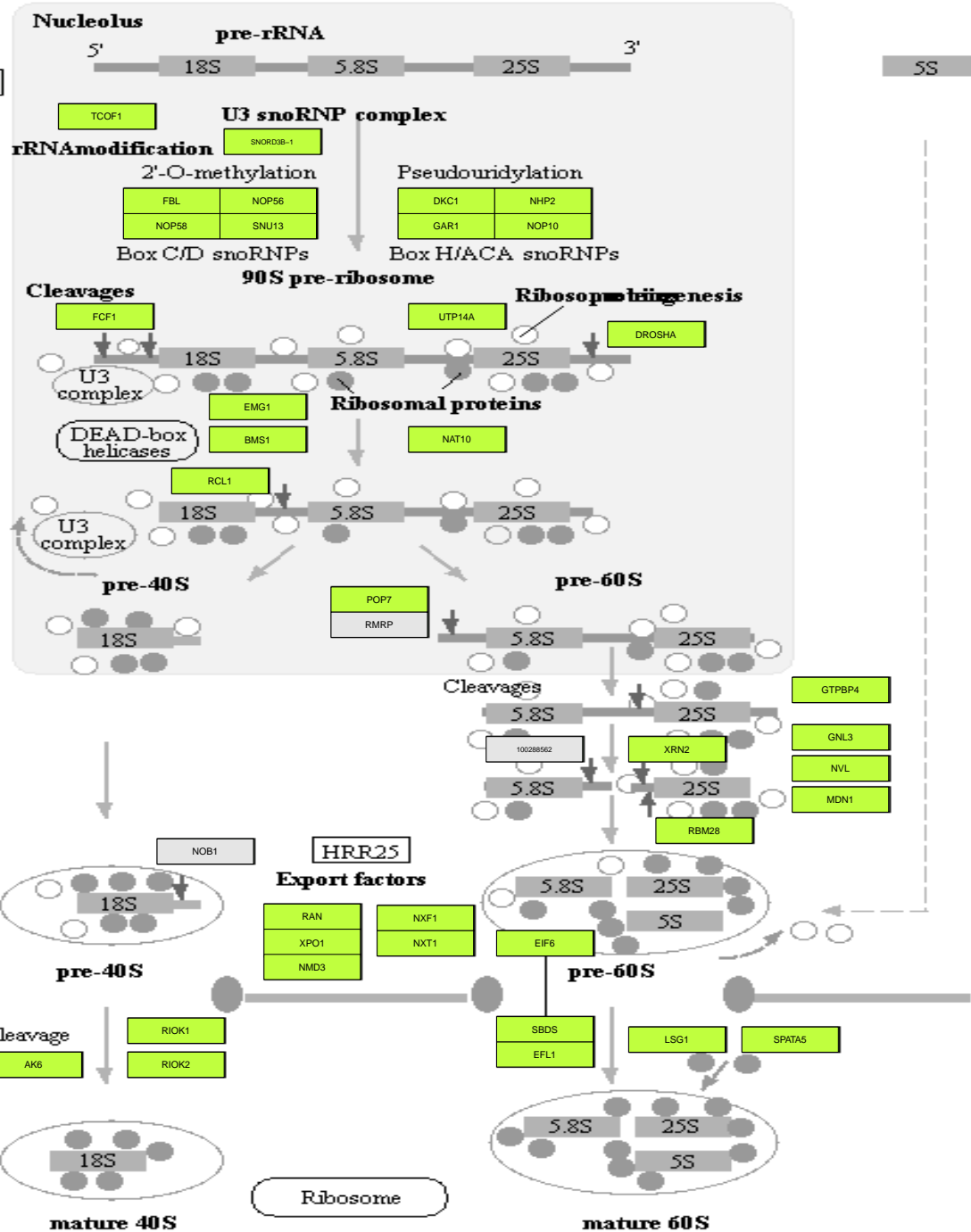
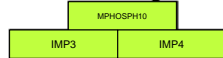
**t-UTP complex**



**UTP-B complex**



**MPP10 complex**

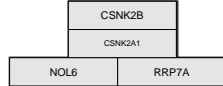


**Ribosomal RNAs**



**90S pre-ribosome components**

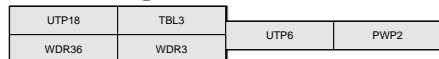
**UTP-C complex**



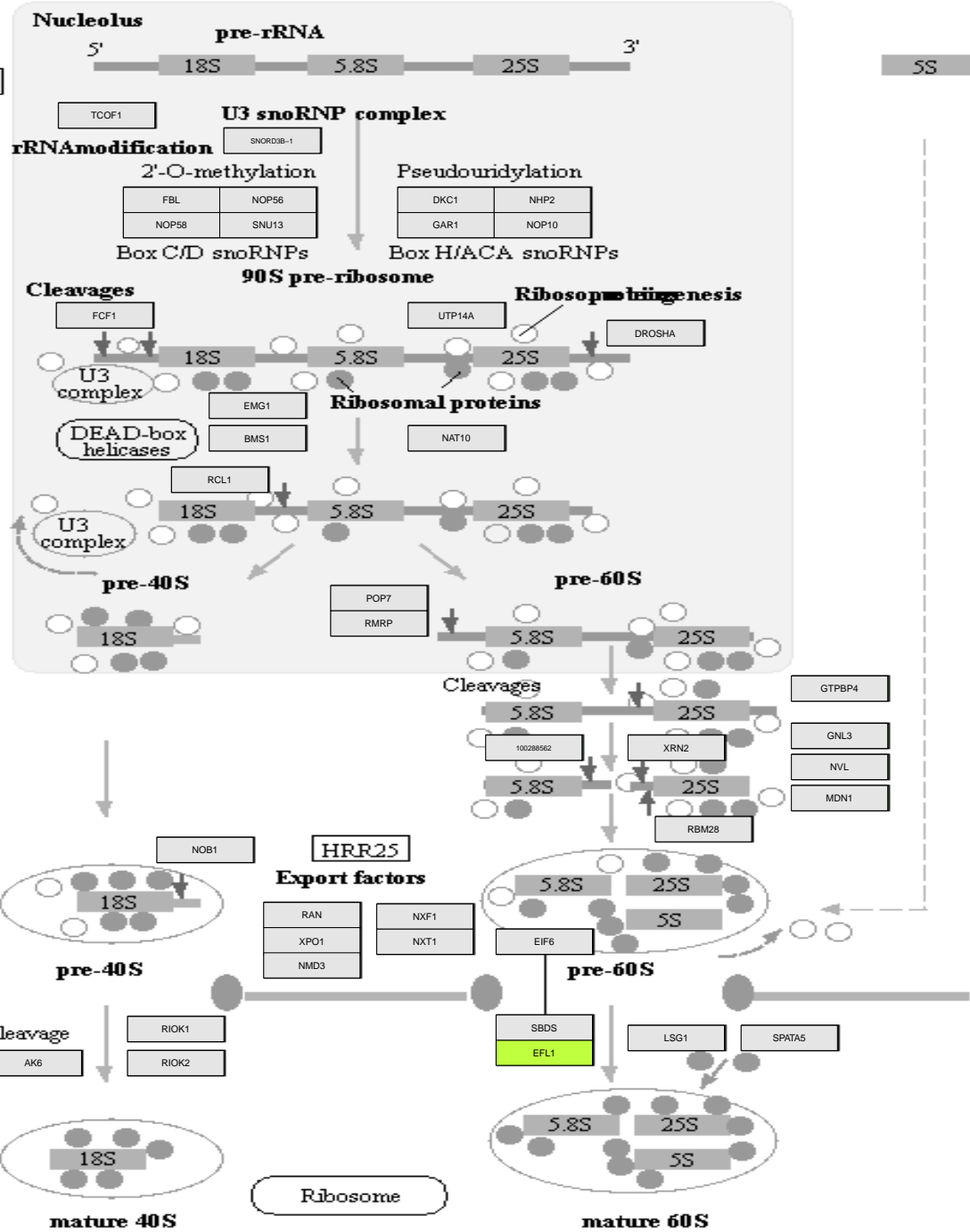
**t-UTP complex**



**UTP-B complex**



**MPP10 complex**

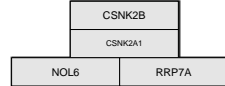


**Ribosomal RNAs**



**90S pre-ribosome components**

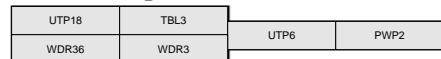
**UTP-C complex**



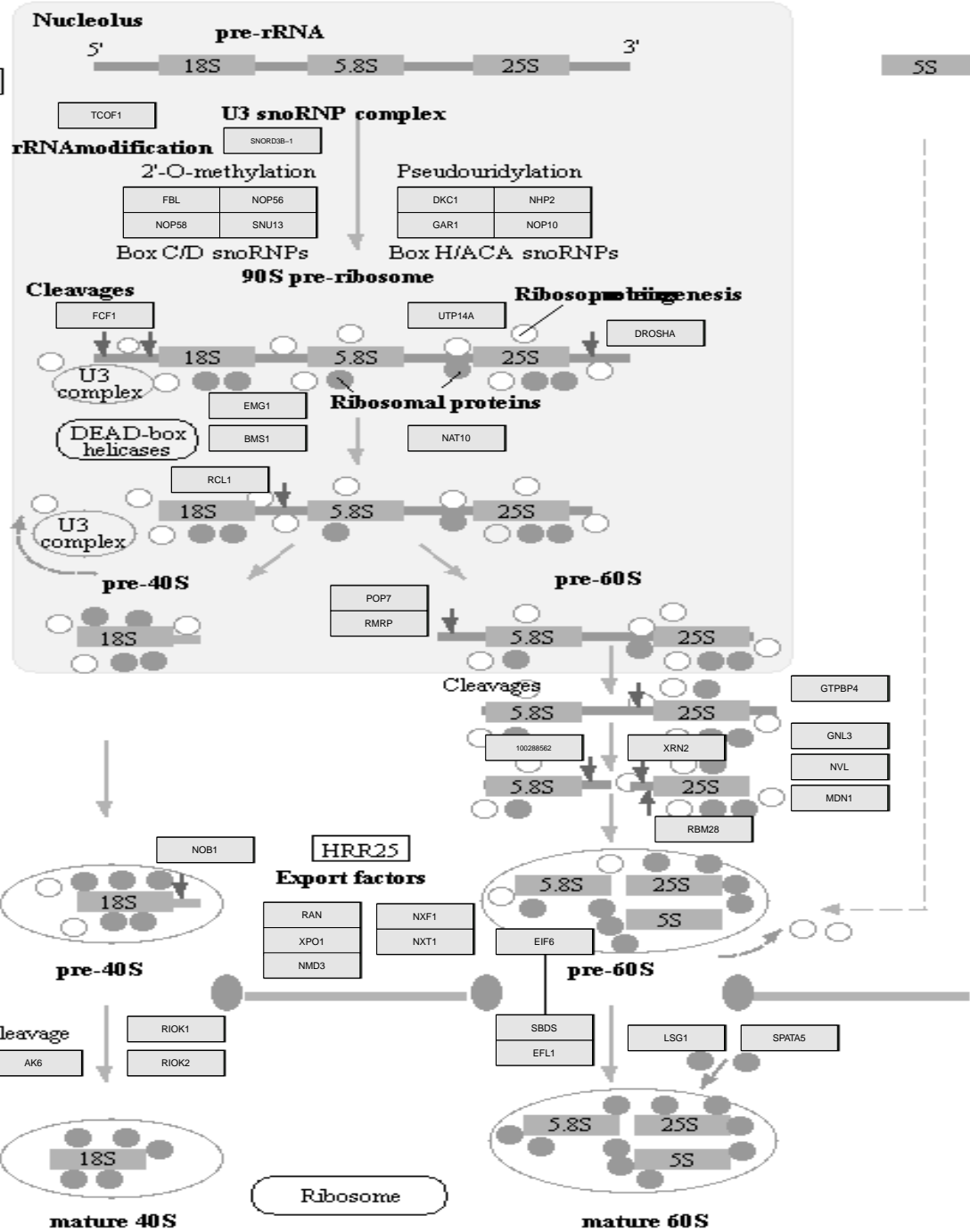
**t-UTP complex**



**UTP-B complex**



**MPP10 complex**

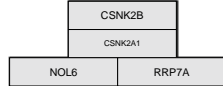


**Ribosomal RNAs**



**90S pre-ribosome components**

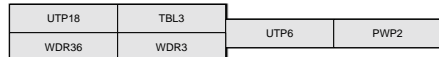
**UTP-C complex**



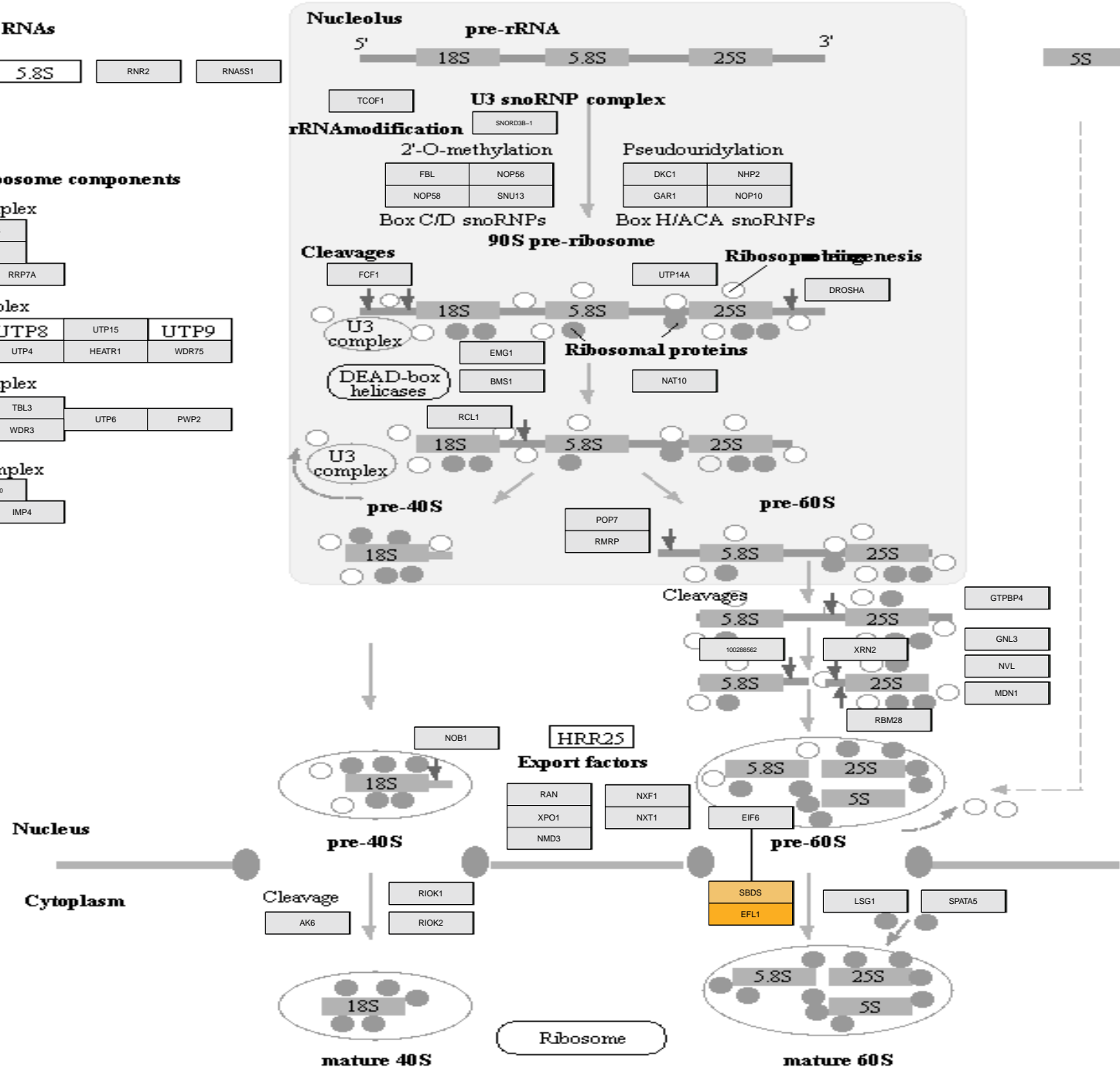
**t-UTP complex**



**UTP-B complex**



**MPP10 complex**

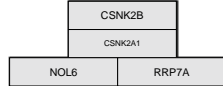


**Ribosomal RNAs**



**90S pre-ribosome components**

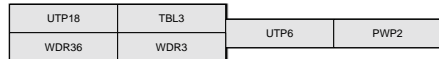
**UTP-C complex**



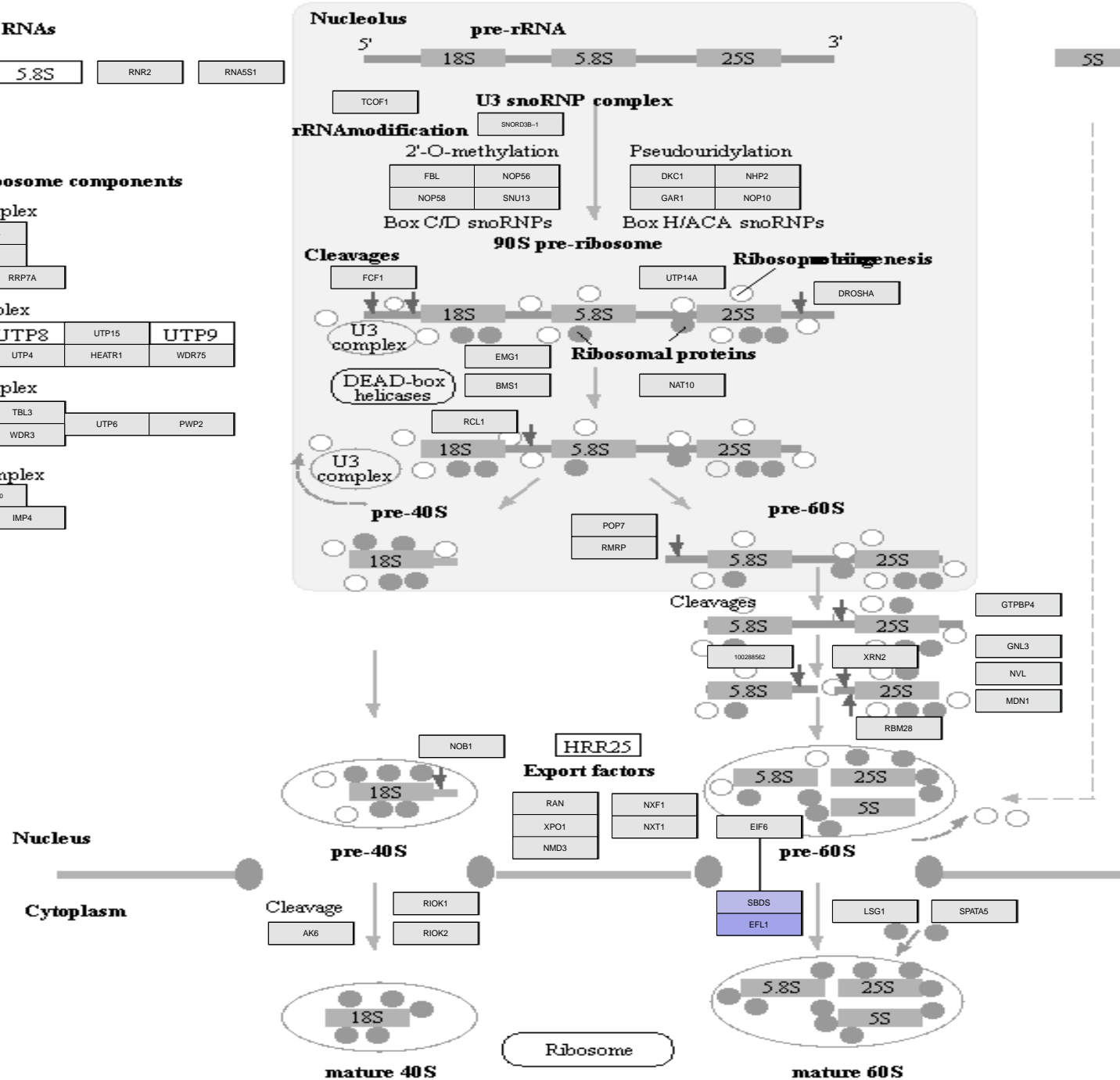
**t-UTP complex**



**UTP-B complex**



**MPP10 complex**

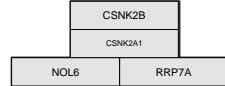


**Ribosomal RNAs**



**90S pre-ribosome components**

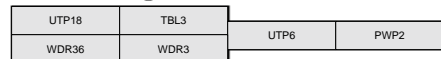
**UTP-C complex**



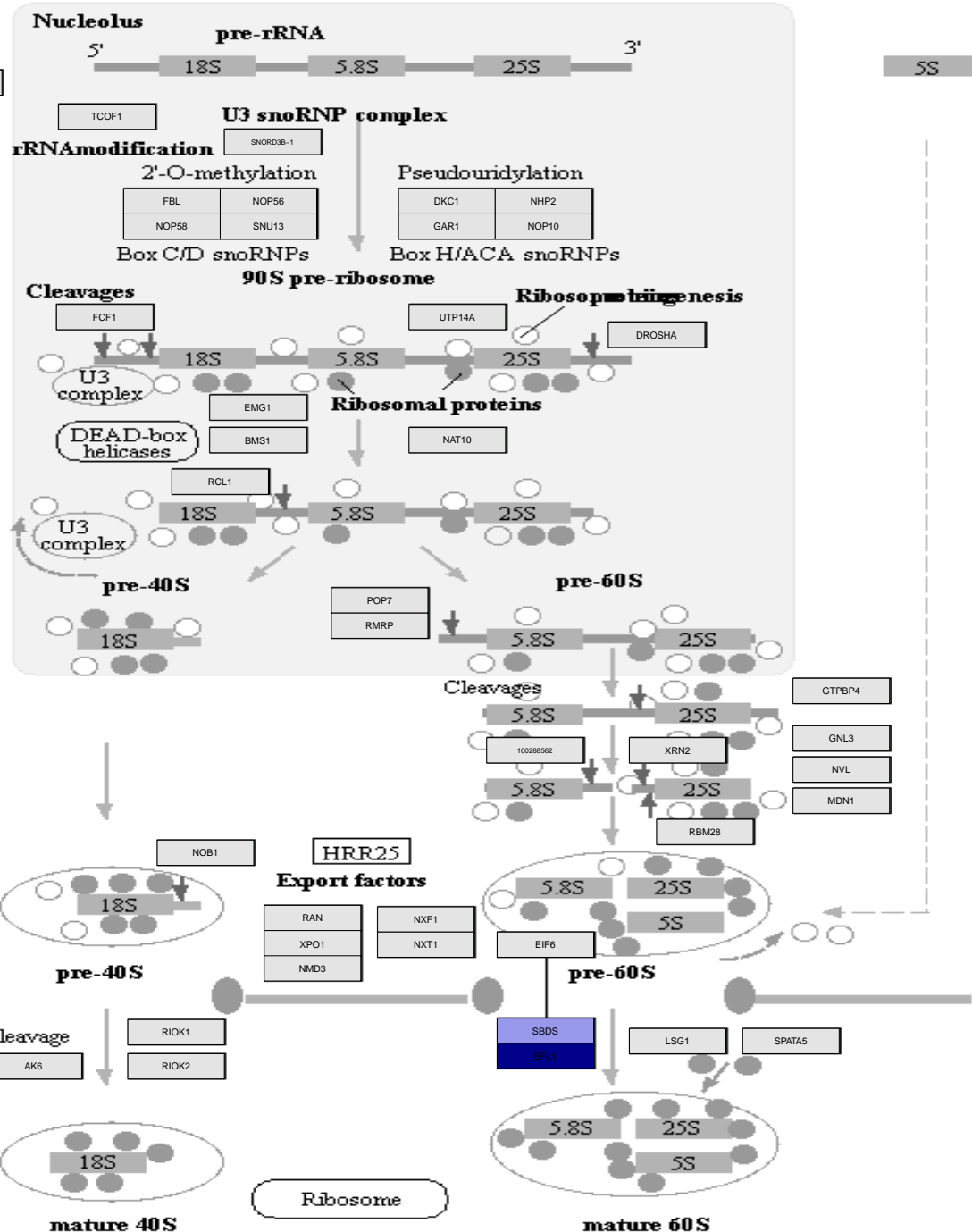
**t-UTP complex**



**UTP-B complex**



**MPP10 complex**

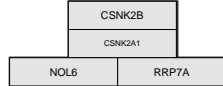


**Ribosomal RNAs**



**90S pre-ribosome components**

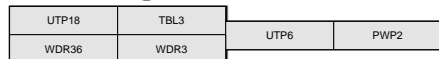
**UTP-C complex**



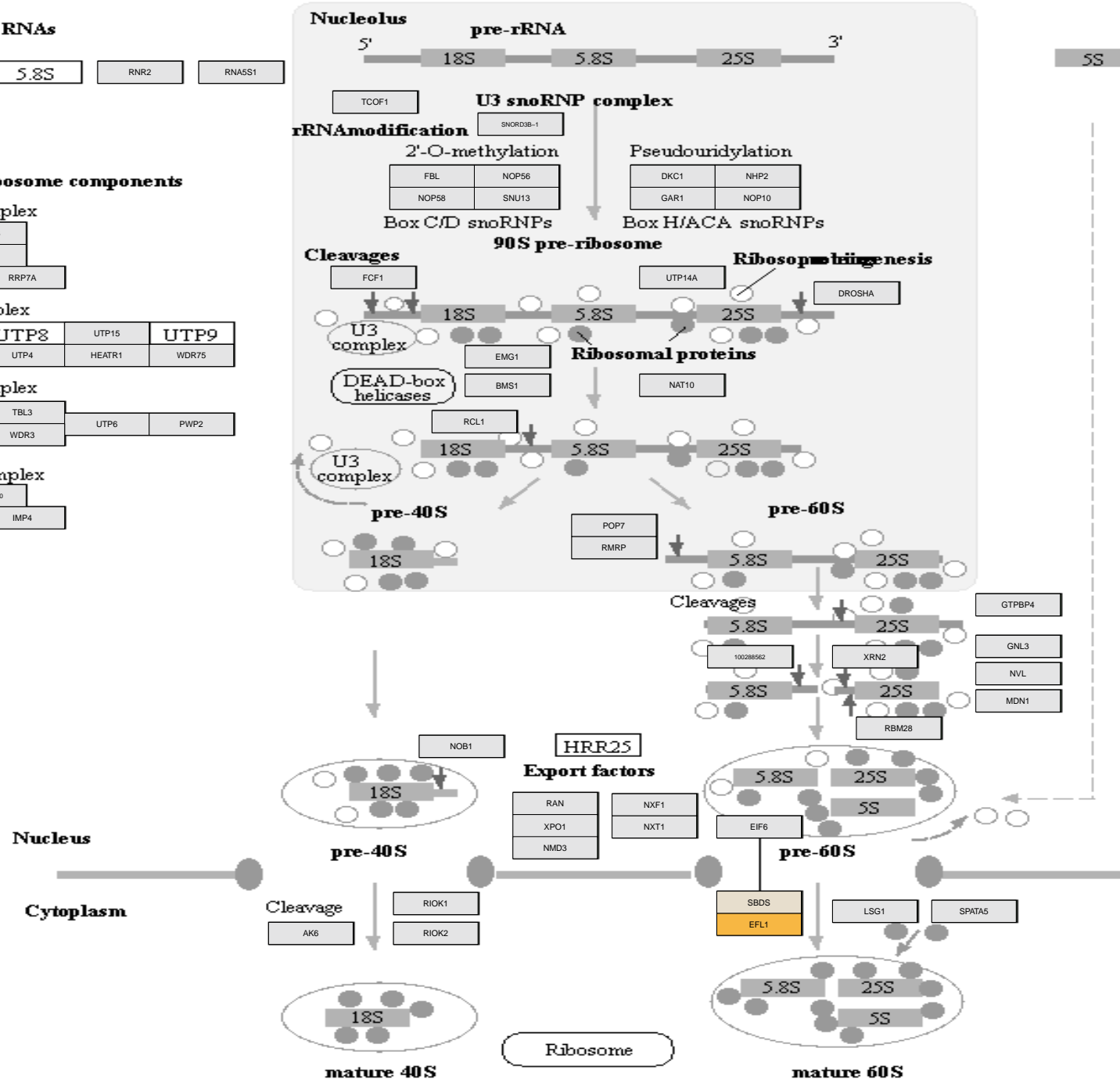
**t-UTP complex**



**UTP-B complex**



**MPP10 complex**



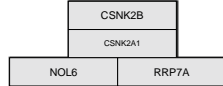


**Ribosomal RNAs**

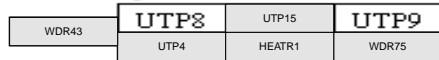


**90S pre-ribosome components**

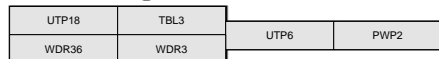
**UTP-C complex**



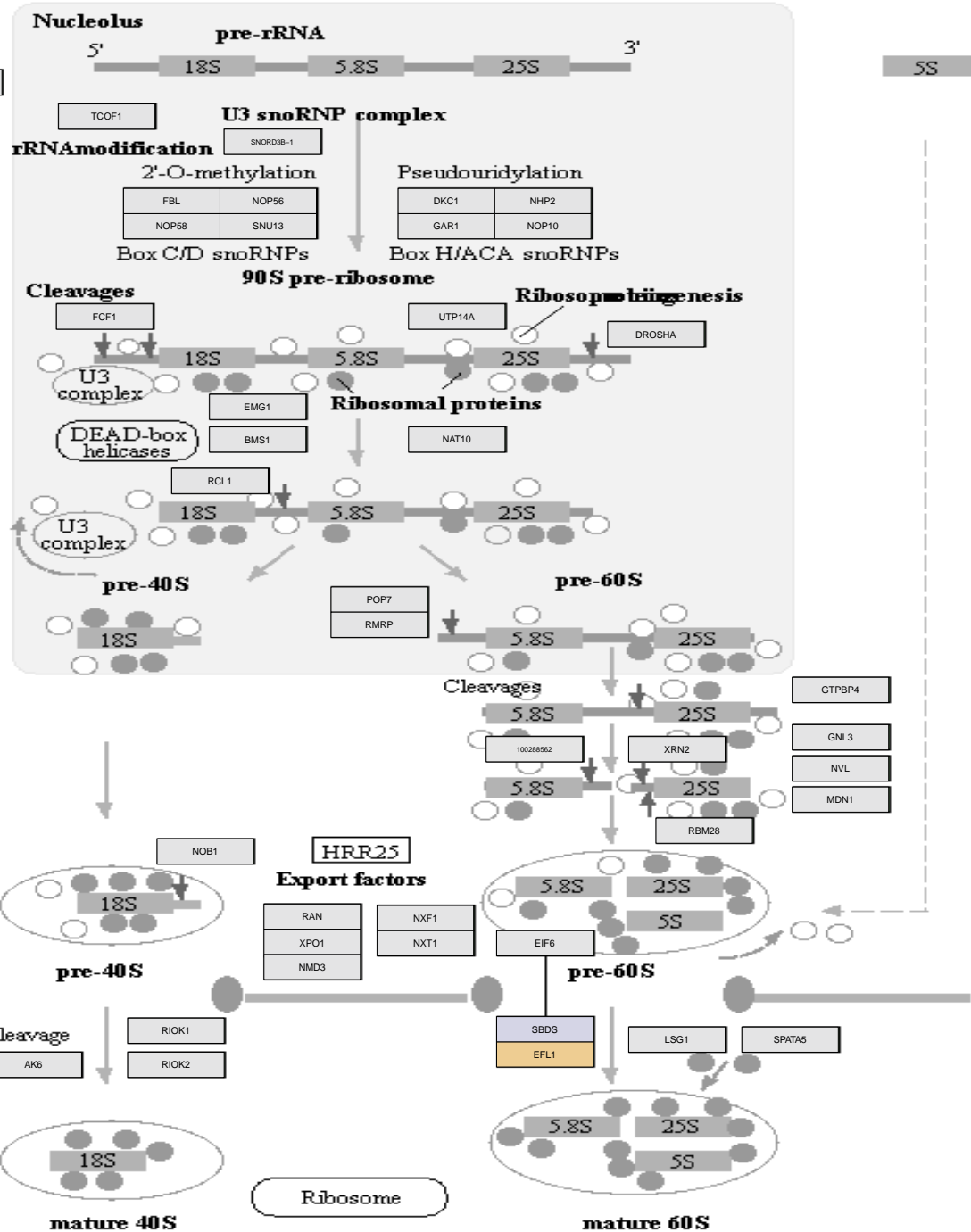
**t-UTP complex**



**UTP-B complex**



**MPP10 complex**

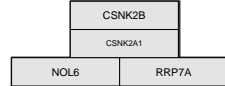


**Ribosomal RNAs**



**90S pre-ribosome components**

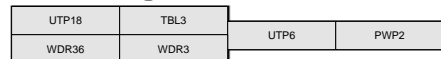
**UTP-C complex**



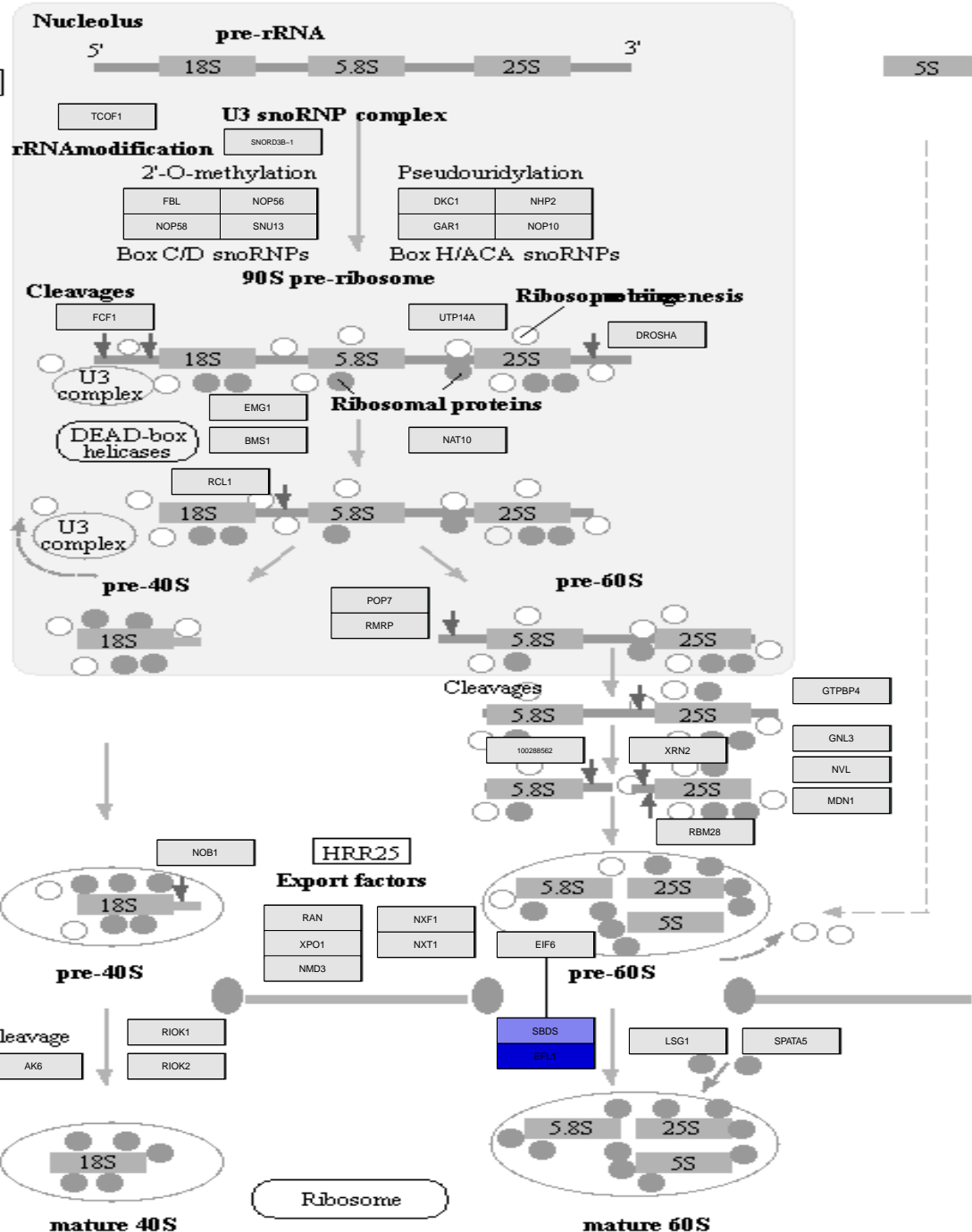
**t-UTP complex**



**UTP-B complex**



**MPP10 complex**

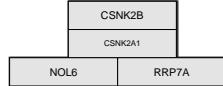


**Ribosomal RNAs**



**90S pre-ribosome components**

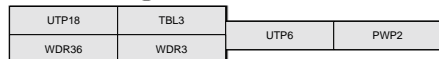
**UTP-C complex**



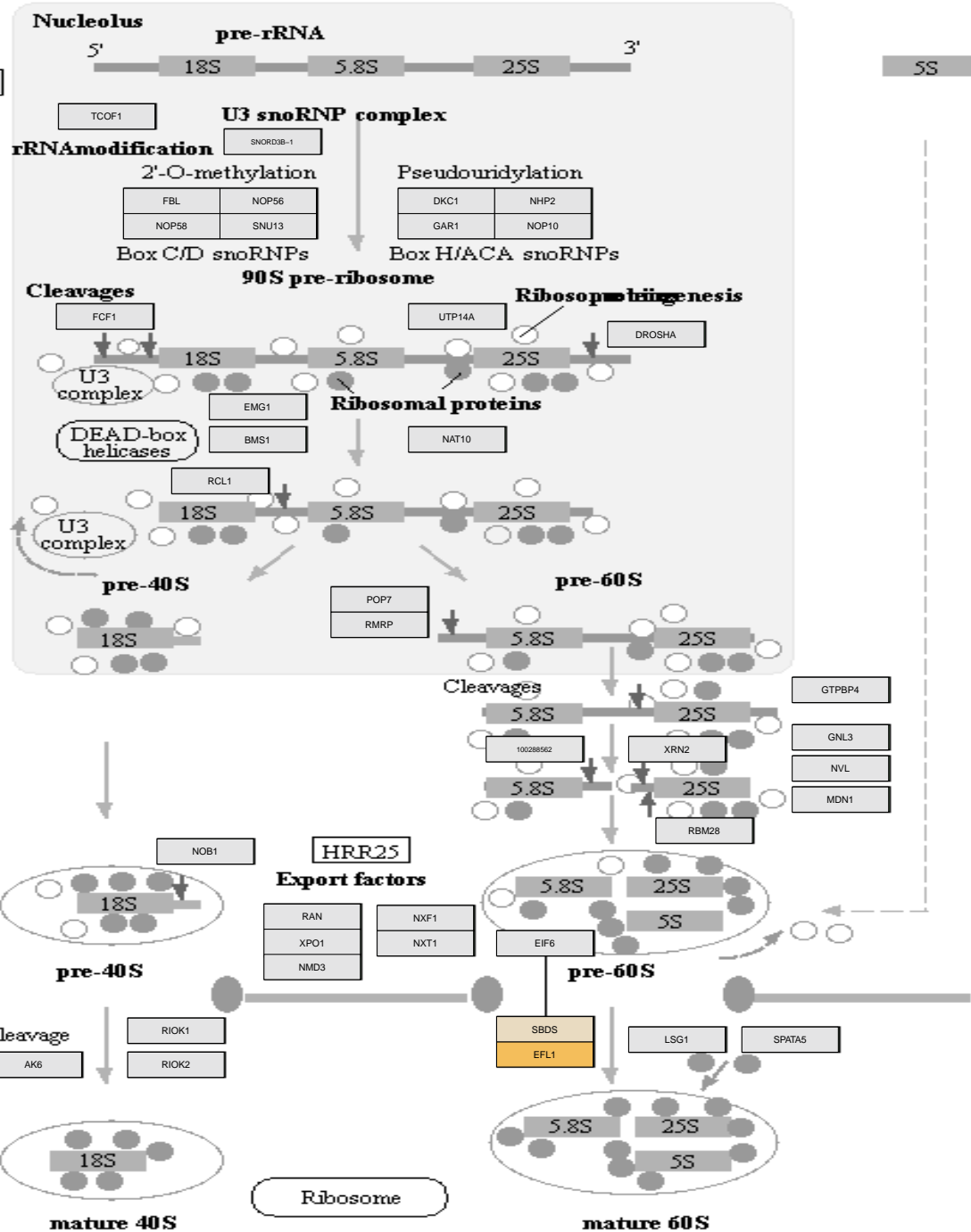
**t-UTP complex**



**UTP-B complex**



**MPP10 complex**

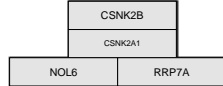


**Ribosomal RNAs**



**90S pre-ribosome components**

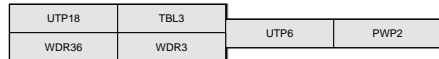
**UTP-C complex**



**t-UTP complex**



**UTP-B complex**



**MPP10 complex**

