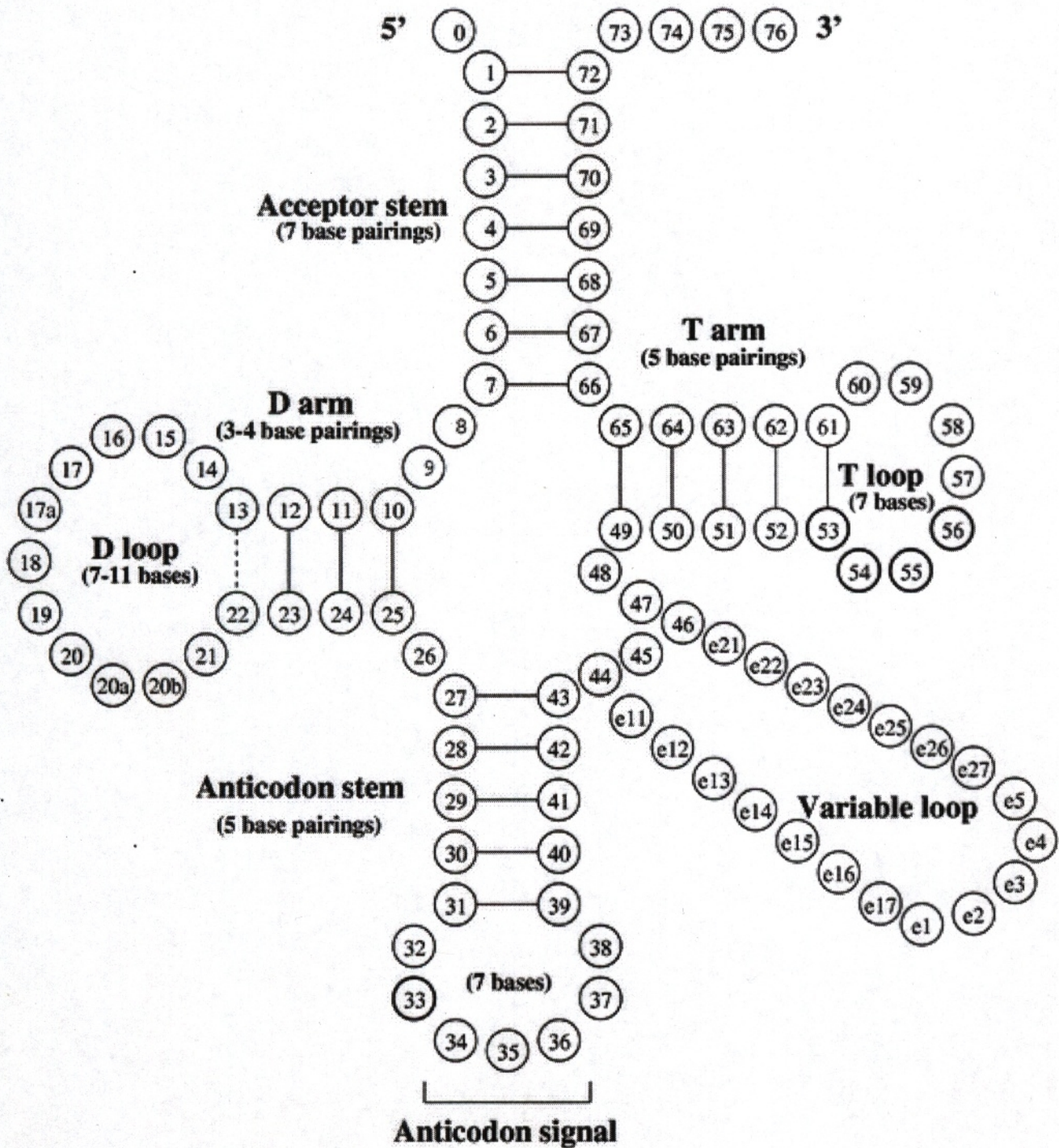
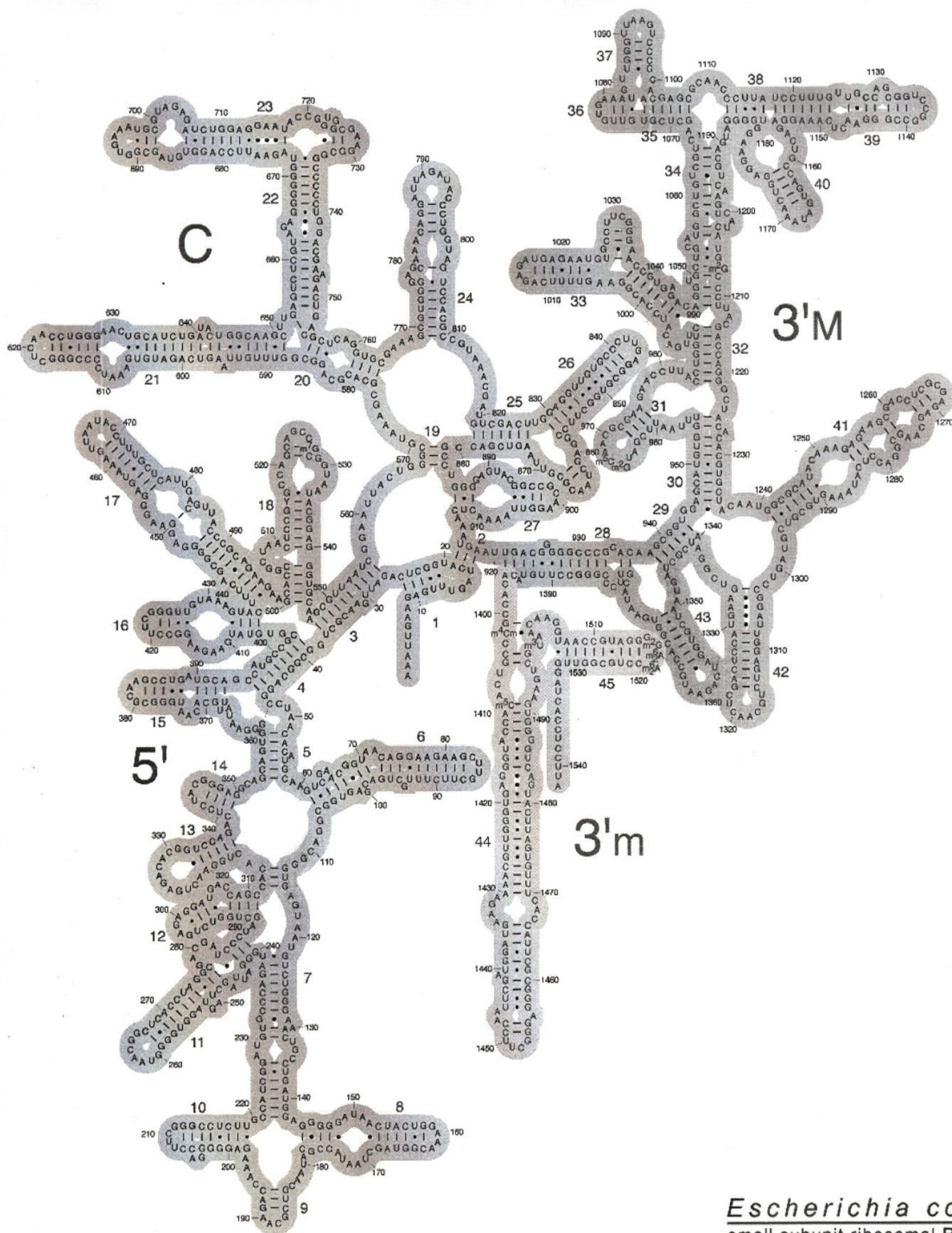


Sekundärstruktur einer tRNA (Kleeblatt-Struktur)





Escherichia coli
small subunit ribosomal RNA

Nussinov Backtracking

Init: $\text{push}(1, |s|)$ auf den Stack (LIFO)

WHILE Stack ist nicht-Leer DO

pop (i, j) vom Stack

IF $i \geq j$ THEN CONTINUE $\rightarrow$ ENDWHILE

IF $N[i+1, j] = N[i, j]$ THEN $\text{push}(i+1, j)$

ELSE IF $N[i, j-1] = N[i, j]$ THEN $\text{push}(i, j-1)$

ELSE IF $N[i+1, j-1] + \delta(i, j) = N[i, j]$ THEN

Speichere Bindung (i, j) in P

$\text{push}(i+1, j-1)$

ELSE FOR $k \leftarrow i+1, \dots, j-1$ DO

IF $N[i, k] + N[k+1, j] = N[i, j]$ THEN

$\text{push}(i, k)$

$\text{push}(k+1, j)$

BREAK $\rightarrow$ END FOR

END IF

END FOR

END WHILE

