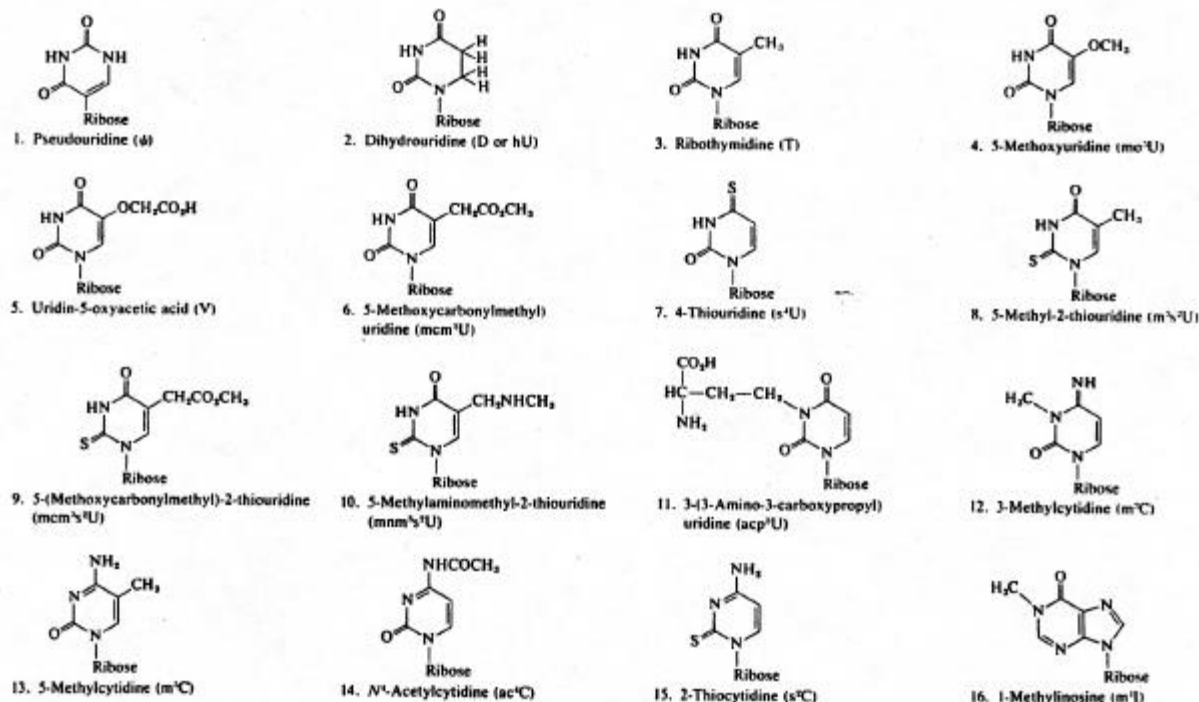
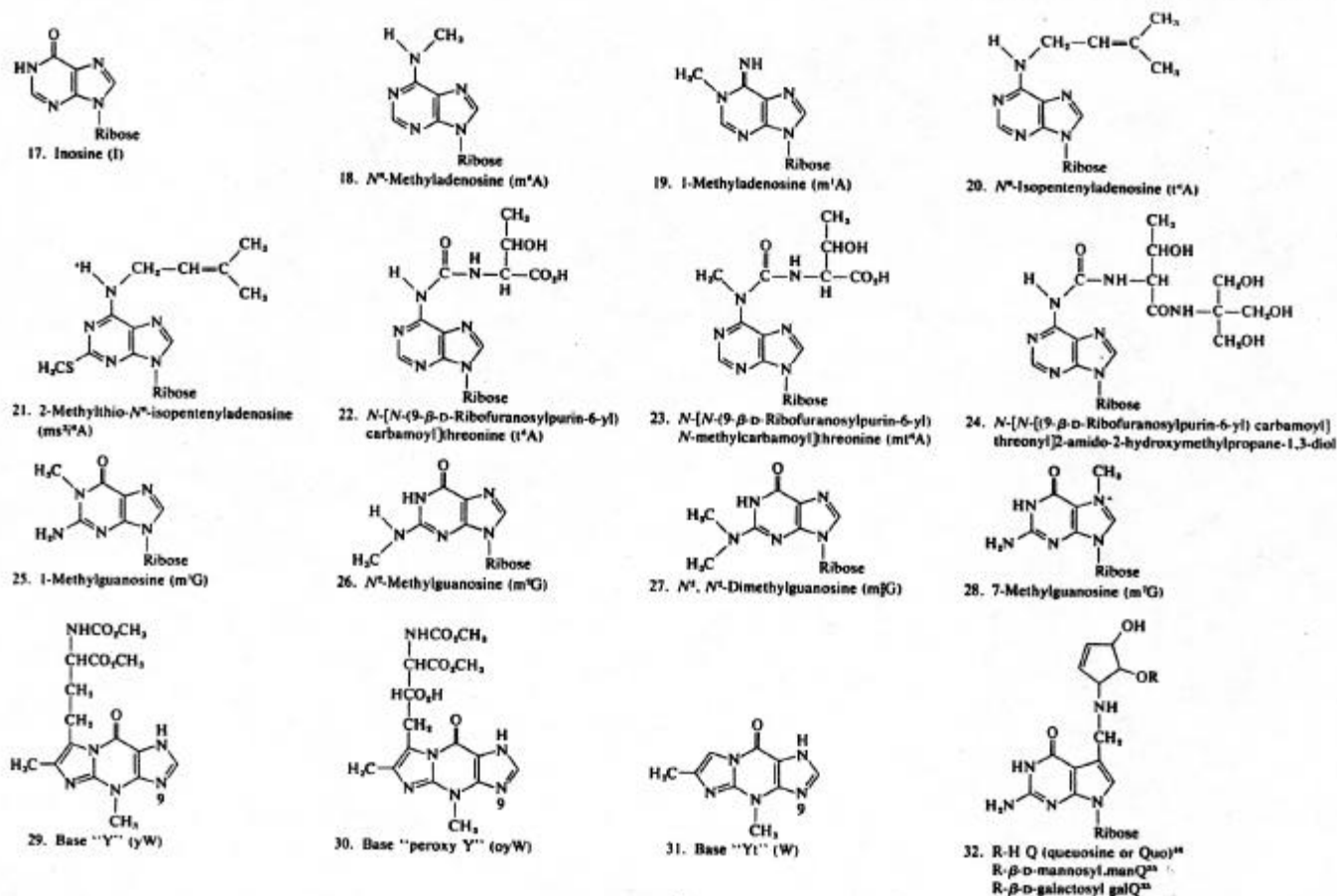




In the case of bases "Y", "Yt", and "peroxy Y" the ribosyl group is presumably attached to N-9.

Figure 7-6. Chemical structures of "rare" or "minor" nucleosides and bases found in tRNAs. From (667).



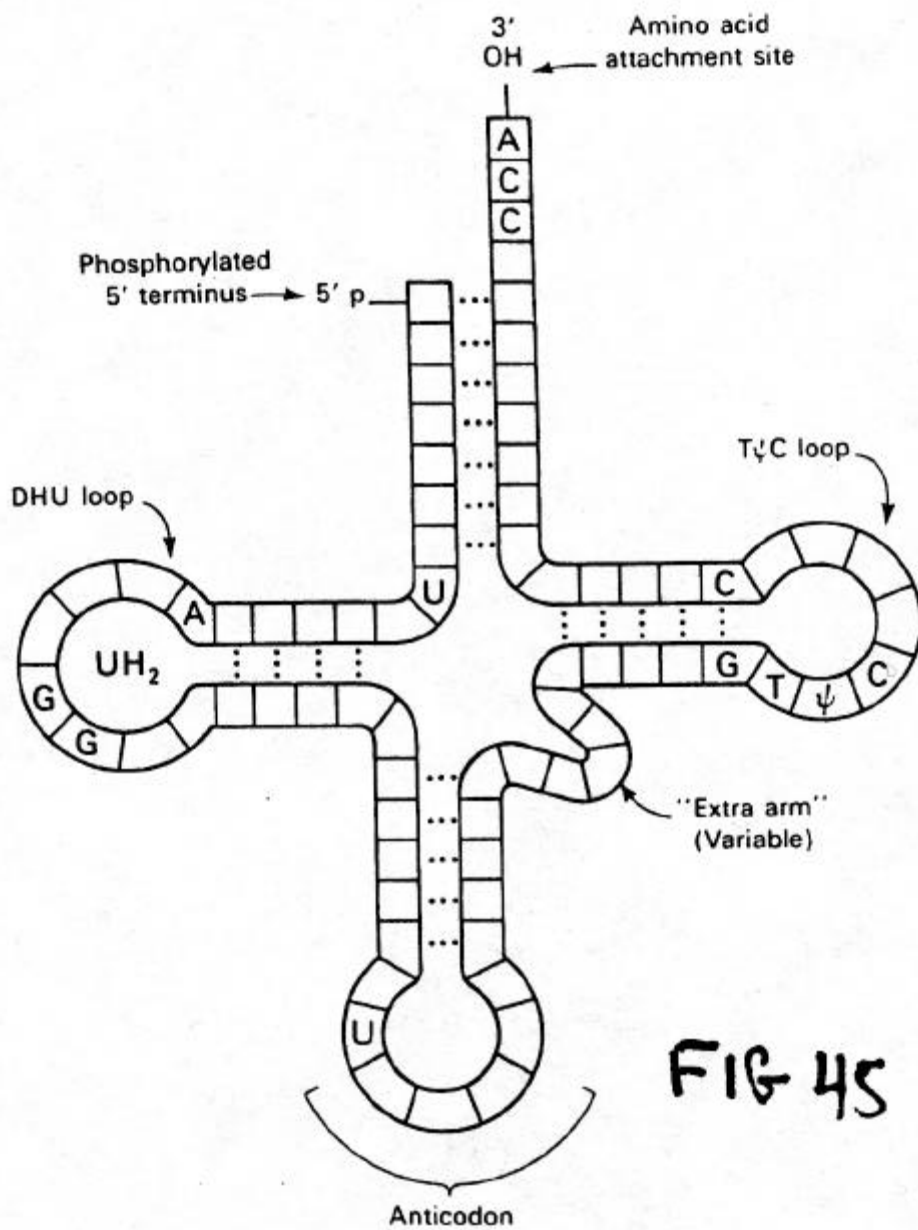


FIG 45

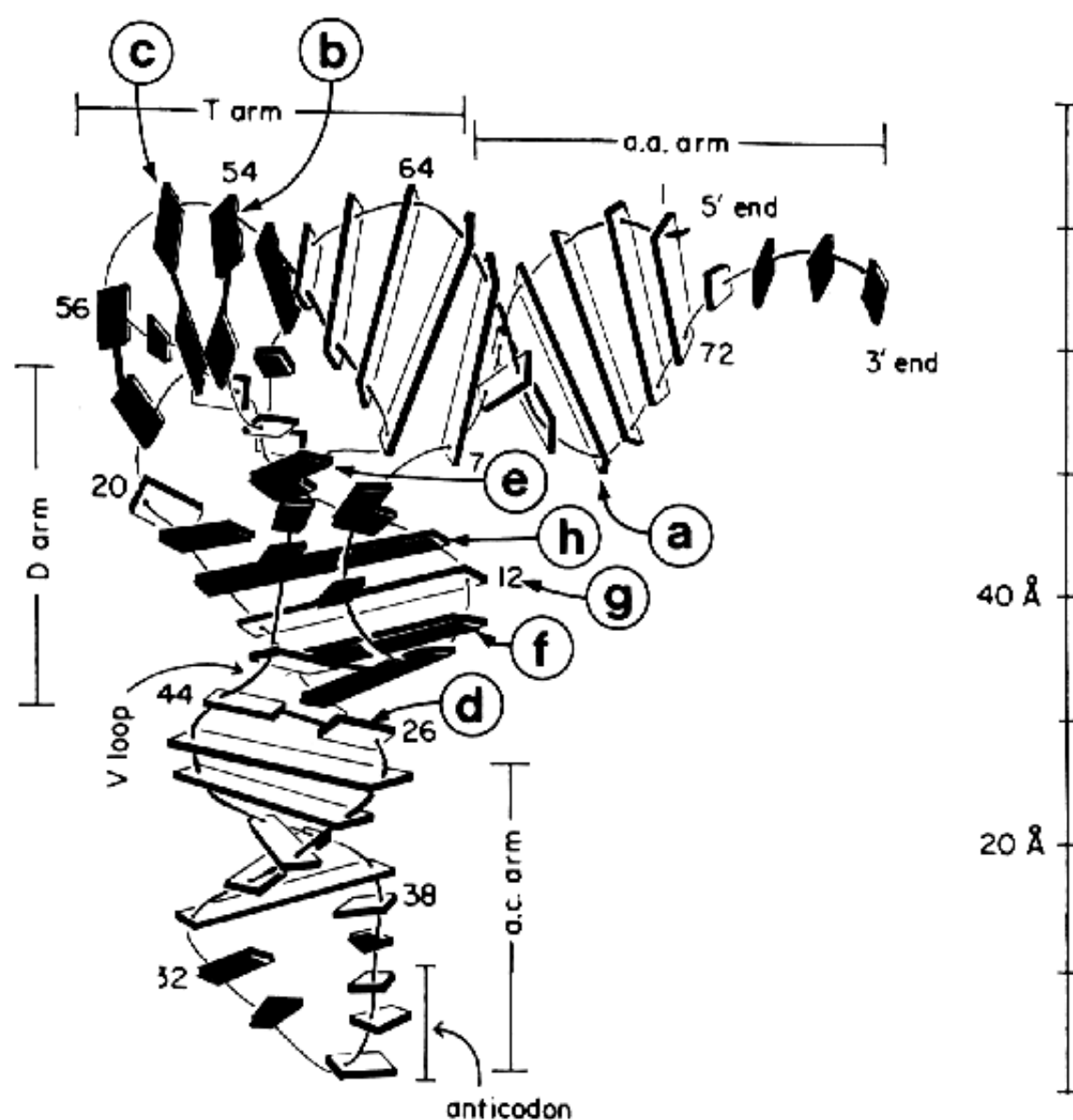


Figure 15-3 Illustration of base-pairing and stacking interactions in yeast tRNA^{Phe}.

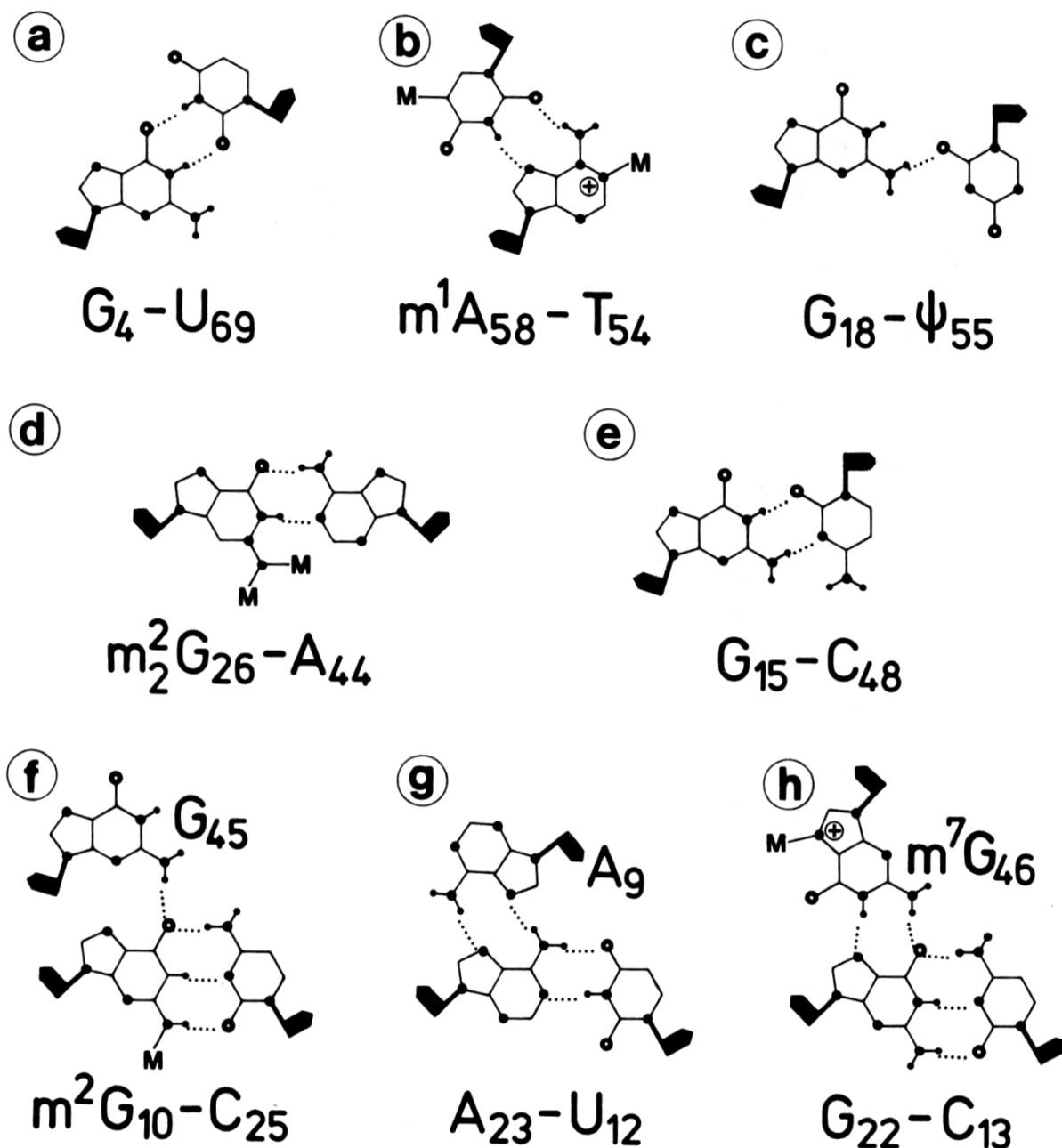


Figure 15-4 Unusual base–base interactions found in yeast tRNA^{Phe}. For their positions in the tertiary structure, see Figure 15-3. All other base-pairs are of the Watson–Crick type. Flags at glycosyl links indicate backbone orientations. They are parallel in **c**, **e**, **f**(m^2G_{10} , G_{45}), **g**(A_9 , A_{23}), **h**(C_{13} , m^7G_{46}) and antiparallel otherwise. All of the dimeric base–base interactions are already contained in Figure 6-1.

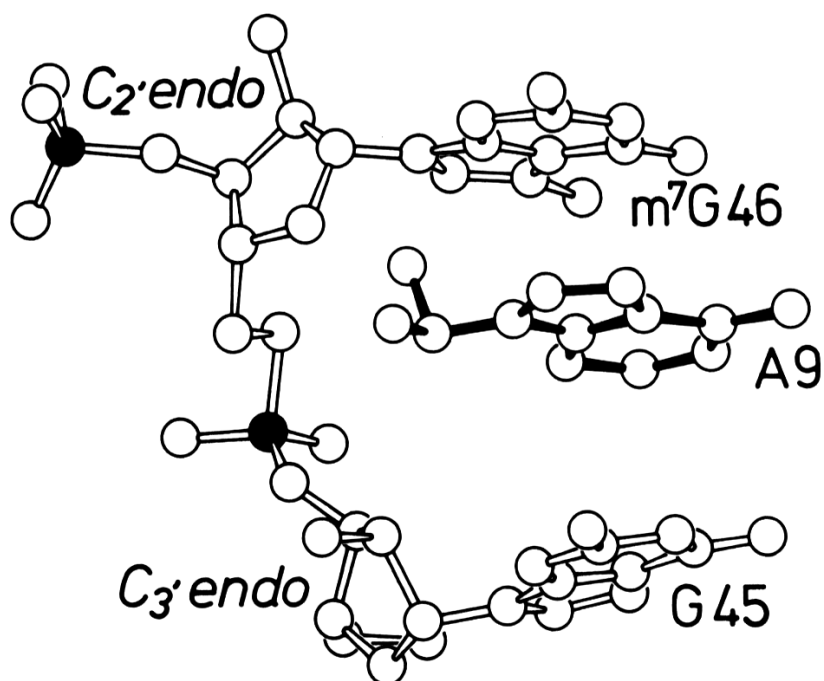


Figure 15-5. Intercalation of adenine A₉ (color) between guanines *m*⁷G₄₆ and G₄₅. This special kind of stacking is associated with separation of the two guanine bases by 3.4 Å to allow insertion of adenine, the separation being accomplished by a change in ribose puckering of *m*⁷G₄₆ from the preferred *C*_{3'}-endo to *C*_{2'}-endo. Phosphorus atoms are indicated by shading. Redrawn from (1054).