

IUPAC Conventions and possible Inosine substitutions

		Replaceable	Binds with
Unambiguous bases:	A, C, G & T (or U)		
Two bases possible:	M (A or C)		(T or G)
	R (A or G)	I	(T or C)
	W (A or T)	I	(T or A)
	S (C or G)		(G or C)
	Y (C or T)		(G or A)
	K (G or T)	I	(C or A)
Three bases possible:	B (C, G, or T)		(G, C, or A)
	D (A, G, or T)	I	(T, C, or A)
	H (A, C, or T)		(T, G, or A)
	V (A, C, or G)		(T, G, or C)
All four bases possible:	N (A, C, G, or T)		

Inosine (I) binds with C, A, or T (or U) and not with G
 Therefore I can replace W, K, R, or D