

Atom Type	Description	On Protein	On DNA/RNA
C2O	C, SP2, Partial Positive	X	
C3N	C, SP3, Nonpolar	X	X
C3O	C, SP3, Partial Positive	X	X
CAO	C, Aromatic, Partial Positive	X	X
CAN	C, Aromatic, Nonpolar	X	X
CCO	C, Conjugated/ resonating, Partial Positive	X	
CLN	C, Allylic, Nonpolar	X	X
CLO	C, Allylic, Partial Positive	X	X
N3C	N, SP3, Charged	X	
N3O	N, SP3, Partial Positive	X	
NAE	N, Aromatic, Partial Negative		X
NAO	N, Aromatic, Partial Positive		X
NAV	N, Aromatic, Variable	X	
NCC	N, Conjugated/ Resonating, Charged	X	
NCO	N, Conjugated/ Resonating, Partial Positive	X	
NLE	N, Allylic, Partial negative		X
O2E	O, SP2, Partial Negative	X	
O3E	O, SP3, Partial Negative	X	X
OCC	O, Conjugated/ Resonating, Charged	X	X
OCE	O, Conjugated/ Resonating, Partial Negative	X	X
OLE	O, Allylic, Partial Negative	X	
S3E	S, SP3, Partial Negative	X	
S3N	S, SP3, Nonpolar	X	
PHO	Phosphorus		X
MET	Metal	X	X
HAL	Halogen		X