

HF	Singly excited	Doubly excited		Triply excited	
—	—	—	—	$c \uparrow$	
—	$a \uparrow$	b —	\downarrow	$b \uparrow$	
—	—	$a \uparrow\downarrow$	\uparrow	$a \uparrow$	
$\uparrow\downarrow$	$\uparrow\downarrow$	$j \uparrow\downarrow$	\uparrow	$k \downarrow$...
$\uparrow\downarrow$	$i \downarrow$	i —	\downarrow	$j \downarrow$	
$\uparrow\downarrow$	$\uparrow\downarrow$	$\uparrow\downarrow$	$\uparrow\downarrow$	$i \downarrow$	
	Φ_i^a	$\Phi_{i\bar{i}}^{a\bar{a}}$	$\Phi_{i\bar{j}}^{a\bar{b}}$	Φ_{ijk}^{abc}	
	Orbital relaxation	Two-electron correlation		Three-electron correlation	