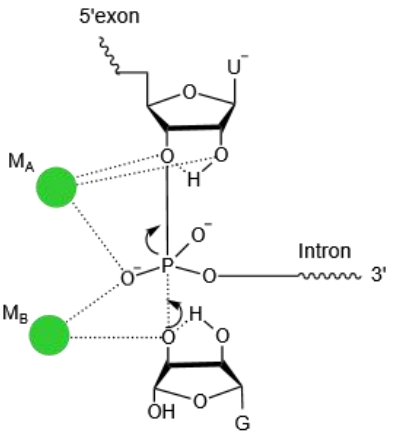
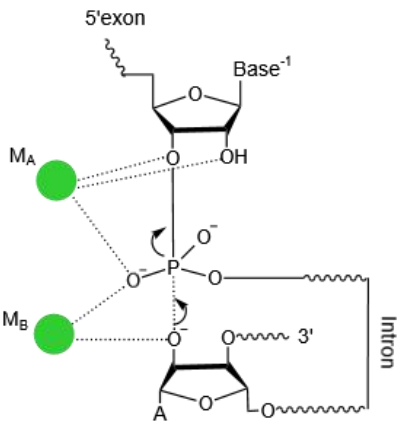
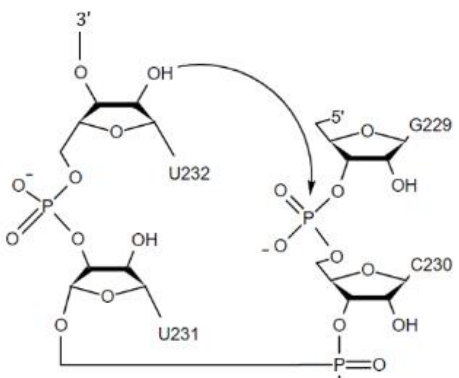
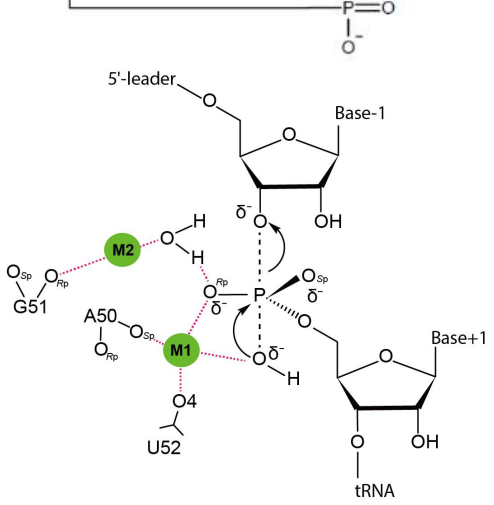
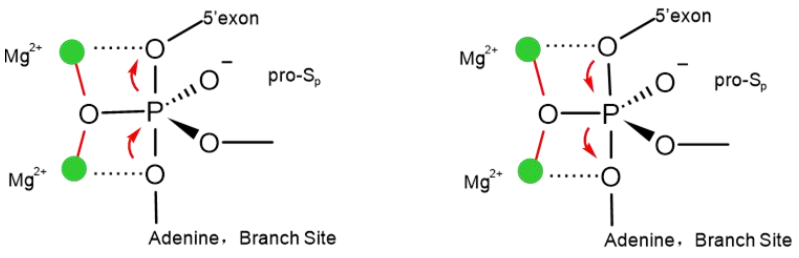
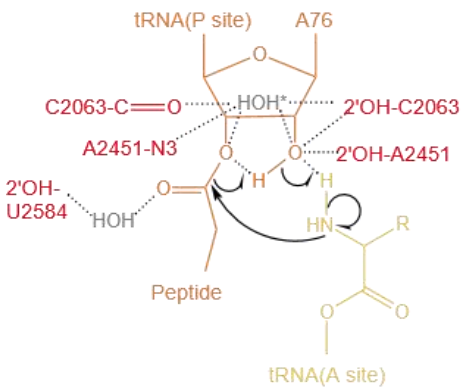
Ribozyme	Catalytic centre	Notes
Group Ⅰ intron		Mg^{2+} (M_A) functions as the general base and Mg^{2+} (M_B) as the general acid
Group Ⅱ intron		Mg^{2+} (M_A) functions as the general base and Mg^{2+} (M_B) as the general acid
Lariat capping ribozyme		The 2'OH of the internal residue U232 makes a nucleophilic attack at the IPS
RNase P		Mg^{2+} (M1) serves to activate and position the nucleophile Mg^{2+} (M2) is involved in electrostatic stabilization of the transi-tion state and activation of the leaving group
Spliceosome	 Branching Reaction Ligation Reaction	
Ribosome		The attack of the α-NH2 group on the ester carbonyl carbon results in a six-membered transition state