mRNA	Protein	
 metal ion binding cation binding ion binding magnesium ion binding transferase activity, transferring alkyl or aryl (other than methyl) groups 		lowMg
structural constituent of ribosome rRNA binding structural molecule activity RNA binding ATP binding		highMg
 metal ion binding cation binding ion binding transition metal ion binding zinc ion binding 	structural constituent of ribosome structural molecule activity rRNA binding metal ion binding cation binding	highNa
 metal ion binding cation binding ion binding alkali metal ion binding 	 iron ion binding metal ion binding transition metal ion binding cation binding ion binding 	glycerol
	gluconokinase activity shikimate kinase activity	gluconate
structural constituent of ribosome structural molecule activity hydrogen ion transporting ATP synthase activity, rotational mechanism rRNA binding phenylalanine–tRNA ligase activity	structural constituent of ribosome rRNA binding structural molecule activity glycerol–3–phosphate dehydrogenase activity cofactor binding	lactate