mRNA	Protein		
structural constituent of ribosome structural molecule activity RNA binding RNA binding aminoacyl–tRNA ligase activity		Exp	lowMg
 structural constituent of ribosome structural molecule activity rRNA binding RNA binding tRNA binding 	 metal ion binding ion binding transition metal ion binding cation binding iron ion binding 	Exp	highMg
 motor activity structural molecule activity glycine betaine/proline porter activity inorganic cation transmembrane transporter activity 	 cation binding ion binding metal ion binding structural constituent of ribosome structural molecule activity 	Exp	highNa
structural constituent of ribosome rRNA binding structural molecule activity RNA binding tRNA binding	 RNA binding metal ion binding ion binding cation binding transition metal ion binding 	Exp	glycerol
	structural constituent of ribosome structural molecule activity RNA binding RNA binding	Exp	gluconate
phosphoglycerate mutase activity intramolecular transferase activity, phosphotransferases intramolecular transferase activity	 structural constituent of ribosome phosphate transmembrane–transporting ATPase activity structural molecule activity rRNA binding inorganic phosphate transmembrane transporter activity 	Exp	lactate
 metal ion binding cation binding ion binding magnesium ion binding transferase activity, transferring alkyl or aryl (other than methyl) gro 		Sta	lowMg
 structural constituent of ribosome rRNA binding structural molecule activity RNA binding ATP binding 		Sta	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 	Sta	highNa
1. metal ion binding 2. cation binding 3. ion binding 4. alkali metal ion binding	 iron ion binding metal ion binding transition metal ion binding cation binding ion binding 	Sta	glycerol
	gluconokinase activity shikimate kinase activity	Sta	gluconate
 structural constituent of ribosome structural molecule activity hydrogen ion transporting ATP synthase activity, rotational mechani rRNA binding phenylalanine–tRNA ligase activity 	 structural constituent of ribosome rRNA binding structural molecule activity glycerol-3-phosphate dehydrogenase activity cofactor binding 	Sta	lactate