

rank

mRNA		Protein		Exp	lowMg
1	structural constituent of ribosome				
2	structural molecule activity				
3	rRNA binding				
4	RNA binding				
5	aminoacyl–tRNA ligase activity				
				Exp <th rowspan="6">highMg</th>	highMg
1	structural constituent of ribosome	metal ion binding			
2	structural molecule activity	ion binding			
3	rRNA binding	transition metal ion binding			
4	RNA binding	cation binding			
5	tRNA binding	iron ion binding			
				Exp <th rowspan="6">highNa</th>	highNa
1	motor activity	cation binding			
2	structural molecule activity	ion binding			
3	glycine betaine/proline porter activity	metal ion binding			
4	inorganic cation transmembrane transporter activity	structural constituent of ribosome			
5		structural molecule activity			
				Exp <th rowspan="6">glycerol</th>	glycerol
1	structural constituent of ribosome	RNA binding			
2	rRNA binding	metal ion binding			
3	structural molecule activity	ion binding			
4	RNA binding	cation binding			
5	tRNA binding	transition metal ion binding			
				Exp <th rowspan="6">gluconate</th>	gluconate
1		structural constituent of ribosome			
2		structural molecule activity			
3		rRNA binding			
4		RNA binding			
5					
				Exp <th rowspan="6">lactate</th>	lactate
1	phosphoglycerate mutase activity	structural constituent of ribosome			
2	intramolecular transferase activity, phosphotransferases	phosphate transmembrane–transporting ATPase activity			
3	intramolecular transferase activity	structural molecule activity			
4		rRNA binding			
5		inorganic phosphate transmembrane transporter activity			
				Sta <th rowspan="6">lowMg</th>	lowMg
1	metal ion binding				
2	cation binding				
3	ion binding				
4	magnesium ion binding				
5	transferase activity, transferring alkyl or aryl (other than methyl) groups				
				Sta <th rowspan="6">highMg</th>	highMg
1	structural constituent of ribosome				
2	rRNA binding				
3	structural molecule activity				
4	RNA binding				
5	ATP binding				
				Sta <th rowspan="6">highNa</th>	highNa
1	metal ion binding	structural constituent of ribosome			
2	cation binding	structural molecule activity			
3	ion binding	rRNA binding			
4	transition metal ion binding	metal ion binding			
5	zinc ion binding	cation binding			
				Sta <th rowspan="6">glycerol</th>	glycerol
1	metal ion binding	iron ion binding			
2	cation binding	metal ion binding			
3	ion binding	transition metal ion binding			
4	alkali metal ion binding	cation binding			
5		ion binding			
				Sta <th rowspan="6">gluconate</th>	gluconate
1		gluconokinase activity			
2		shikimate kinase activity			
3					
4					
5					
				Sta <th rowspan="6">lactate</th>	lactate
1	structural constituent of ribosome	structural constituent of ribosome			
2	structural molecule activity	rRNA binding			
3	hydrogen ion transporting ATP synthase activity, rotational mechanism	structural molecule activity			
4	rRNA binding	glycerol–3–phosphate dehydrogenase activity			
5	phenylalanine–tRNA ligase activity	cofactor binding			
condition		condition			

condition

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condition