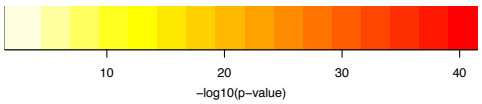	D1_COLD_UP	D1_COLD_DOWN	D1_CG60_UP	D1_CG60_DOWN	D4_COLD_UP	D4_COLD_DOWN	D4_CG60_UP	D4_CG60_DOWN
GO:0004674 protein serine/threonine kinase activity	9.2e−13						0.0015	
GO:0004722 protein serine/threonine phosphatase activity	0.005							
GO:0003700 transcription factor activity	5.7e−20							
GO:0005509 calcium ion binding	0.036							
GO:0008270 zinc ion binding	1e−04							
GO:0043565 sequence−specific DNA binding	2.3e−10							
GO:0005524 ATP binding	0.013							
GO:0003735 structural constituent of ribosome		3.1e−42						7.4e−06
GO:0004553 hydrolase activity, hydrolyzing O−glycosyl compounds		0.0039						
GO:0008168 methyltransferase activity		4.2e−06						
GO:0009055 electron carrier activity			4.7e−06					
GO:0020037 heme binding			2e−05			0.0086	4.1e−07	
GO:0004497 monooxygenase activity			3e−04				0.00027	
GO:0043531 ADP binding			0.0077					
GO:0016705 oxidoreductase activity, acting on paired donors...			0.00012				7.2e−06	
GO:0016491 oxidoreductase activity				0.0064				
GO:0004867 serine−type endopeptidase inhibitor activity				0.029	3e−09			
GO:0016702 oxidoreductase activity, acting on single donors ...					0.0074			
GO:0005506 iron ion binding					0.0088			0.029
GO:0030247 polysaccharide binding					0.0088		0.0015	
GO:0016903 oxidoreductase activity, acting on the aldehyde...					0.026			
GO:0016706 oxidoreductase activity, acting on paired donors...					0.042			
GO:0004364 glutathione transferase activity					0.002			
GO:0046982 protein heterodimerization activity						0.00021		
GO:0004601 peroxidase activity						0.028		
GO:0005507 copper ion binding						0.028		0.00038
GO:0043531 ADP binding							0.00027	
GO:0009055 electron carrier activity							0.00068	
GO:0019199 transmembrane receptor protein kinase activity							0.0053	
GO:0016758 transferase activity, transferring hexosyl groups							0.0076	
GO:0003700 transcription factor activity							0.012	
GO:0008374 O−acyltransferase activity							0.028	
GO:0050662 coenzyme binding								0.018
GO:0046982 protein heterodimerization activity								0.0055
GO:0008943 glyceraldehyde−3−phosphate dehydrogenase activity								0.045
GO:0016614 oxidoreductase activity, acting on CH−OH group of donors								0.00031
GO:0045548 phenylalanine ammonia−lyase activity								0.0045
GO:0016836 hydro−lyase activity								0.0018
GO:0003678 DNA helicase activity								2.4e−05