

Protein name	Biological Function	p-value	Benjamini - Hochberg correction	Difference between NP	Comments	Difference between individual NP	prevalence value
Acute phase							
α-2-HS-glycoprotein	acute-phase response; negative regulation of bone mineralization; positive regulation of phagocytosis; regulation of inflammatory response	1.73E-57	3.33E-05	yes	↓SiO ₂ -COO ⁻	SiO ₂ SiO ₂ -NH ₂ SiO ₂ -COO ⁻	104.15
Fibronectin	Acute phase; angiogenesis; cell adhesion, cell shape	1.09E-85	1.67E-05	yes	↑SiO ₂ -COO ⁻	SiO ₂ -COO ⁻	29.20
Prothrombin	Acute phase, blood coagulation	1.45E-15	1.25E-04	yes	↑SiO ₂ -NH ₂	-	18.19
Complement Pathway							
C3	Complement alternate pathway; complement pathway; immunity; inflammatory response; innate immunity	9.44E-14	1.50E-04	yes	all diff?	SiO ₂ SiO ₂ -NH ₂	88.41
Factor B	Complement alternate pathway; immunity; innate immunity	2.93E-01	9.17E-04	no		-	31.29
C4	Complement alternate pathway; complement pathway; immunity; inflammatory response; innate immunity	7.81E-17	1.17E-04	yes	↑SiO ₂ -COO ⁻	-	16.38
C4b-binding protein α-chain	Complement pathway; immunity; innate immunity	1.94E-19	9.17E-05	yes	↑SiO ₂ -COO ⁻	-	7.03
C7	Complement alternate pathway; complement pathway; Cytolysis; immunity; innate immunity	1.92E-01	8.75E-04	no		-	6.78
Factor H	Complement alternate pathway; immunity; innate immunity	1.56E-58	2.50E-05	yes	↑SiO ₂ -COO ⁻	SiO ₂ -NH ₂ SiO ₂ -COO ⁻	31.78
Coagulation Factors							
Factor XIIIa inhibitor	Blood coagulation; Regulation of proteolysis	1.41E-03	5.25E-04	no		-	12.01
Plasminogen	Blood coagulation; fibrinolysis; tissue remodeling	1.70E-46	5.00E-05	yes	↓SiO ₂ -NH ₂	-	34.59