

Table S3. Statistics of relative bioluminescence intensity of enzyme system in 1,4-benzoquinone solution (Figure 9)

Samples	p Concentrations	
	Concentration≤5E-06	Concentration>5E-06
Fe ₃ O ₄	0.0001	
Fe ₃ O ₄ /APTES	0.0001	
Fe ₃ O ₄ /HA	0.001	
Comparison by sample pairs		
Fe ₃ O ₄ /APTES- Fe ₃ O ₄	0.01	>0.05
Fe ₃ O ₄ /HA- Fe ₃ O ₄	>0.05	0.001
Fe ₃ O ₄ /HA- Fe ₃ O ₄ /APTES	0.01	0.001

Bioactivity in relation to control: