

Supporting Information

Charge-switchable gold nanoparticles for enhanced enzymatic thermostability

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S. No.	Phytase (µg)	AuNPs ^{Tyr} (ppm Au)	Reaction volume (mL)	Phytase binding to AuNPs ^{Tyr} (%), i.e. immobilisation yield	Phytase activity in AuNPs ^{Tyr} /Phytase (% relative to native phytase), i.e. activity yield
1	1	0	1	0	0
2	1	78	1	15	17
3	1	156	1	60	38
4	1	234	1	96	95
5	1	312	1	97	94
6	1	390	1	100	92
7	0	234	1	0	0

Table S1. Immobilisation and activity yields of phytase enzyme during its biofunctionalisation on the surface of AuNPs^{Tyr}.