

Table S1. The bacterial and fungal strains used in the present study and the accession numbers of their 16S rRNA/ITS gene sequence.

Genus	Strain	GenBank accession no.
<i>Bacillus</i> sp.	MM P1.8A	MW036380
<i>Bacillus</i> sp.	AM N P1.17	MW036408
<i>Bacillus</i> sp.	BA N P2.7	MW036426
<i>Bacillus</i> sp.	BA N P1.2	MW036436
<i>Bacillus</i> sp.	BA N P3.3	OL454645
<i>Bacillus</i> sp.	BA N P3.8	MW036437
<i>Bacillus</i> sp.	CB N P1.6	MW036433
<i>Bacillus</i> sp.	BSL P2.1	MW036388
<i>Bacillus</i> sp.	MM P2.8	MW036378
<i>Bacillus</i> sp.	BA N P1.4	MW036427
<i>Virgibacillus</i> sp.	BSL N P1.8	MW036383
<i>Salinivibrio</i> sp.	CB P1.1	MW036411
<i>Salinivibrio</i> sp.	MM N P1.3	MW036396
<i>Salinicoccus</i> sp.	BSL N P1.1	MW036374
<i>Psychrobacter</i> sp.	AM P2.5	MW036416
<i>Nocardiopsis</i> sp.	BSL P1.X2	MW036395
<i>Penicillium</i> sp.	BSL FP3.2	OL454640
<i>Penicillium</i> sp.	MM FP1.4	OL454639
<i>Aspergillus</i> sp.	BSL FP1.2	OL454642
<i>Aspergillus</i> sp.	MM FP1.1	OL454641
<i>Emericellopsis</i> sp.	MM FP1.2	OL454638

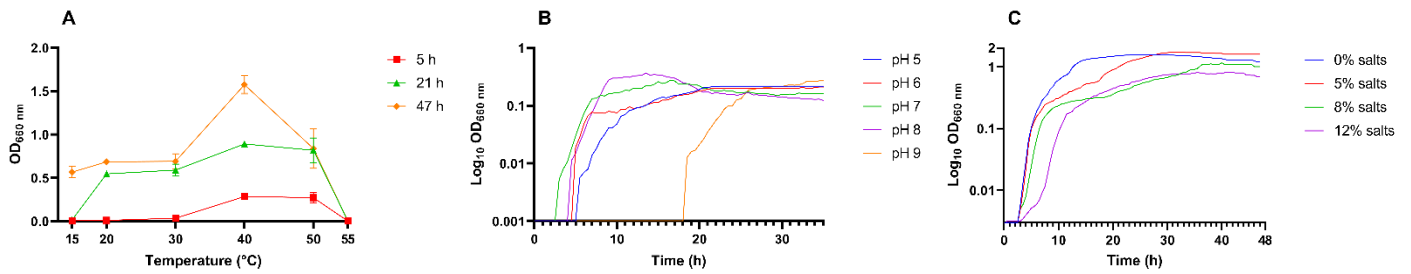


Figure S1. The effect of temperature (A), pH (B) and salt concentration (C) on the growth of *Bacillus* sp. AM N P1.17.

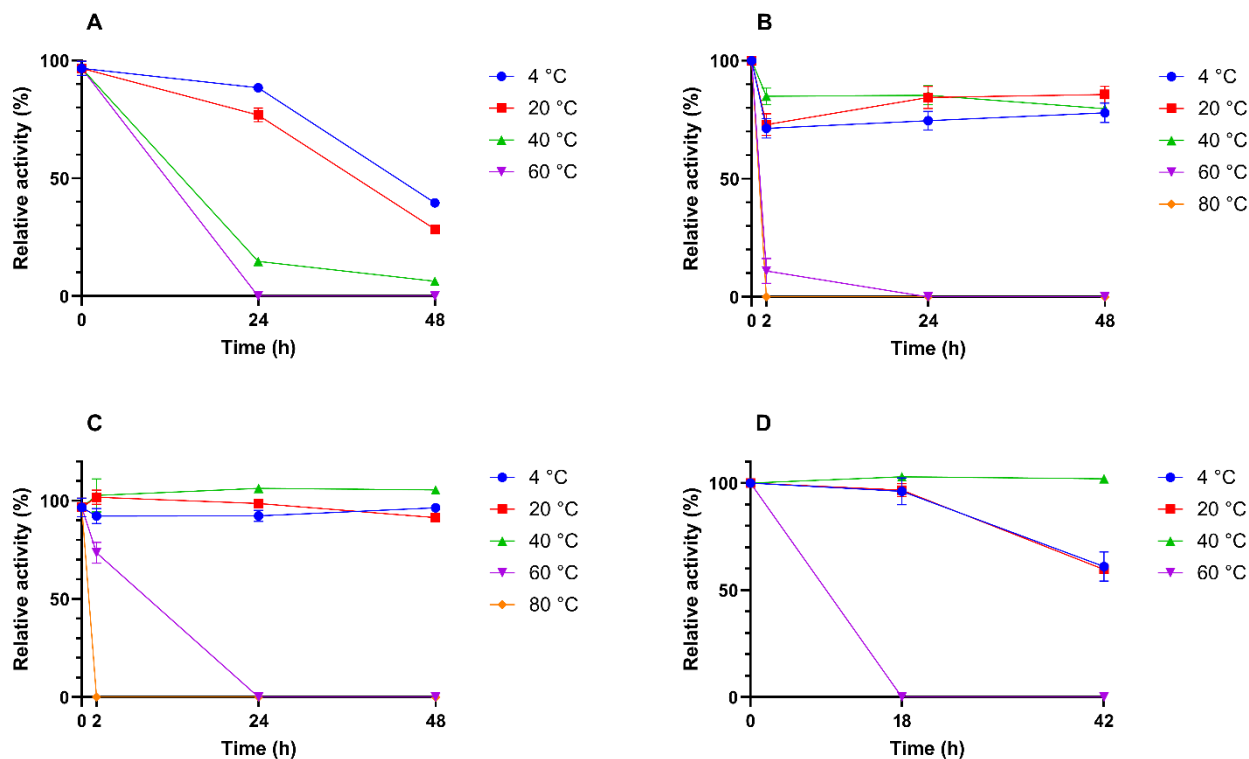


Figure S2. The effect of temperature on the stability of proteases (A), esterases (B), cellulases (C) and xylanases (D) produced by the selected strains of *Bacillus* sp.

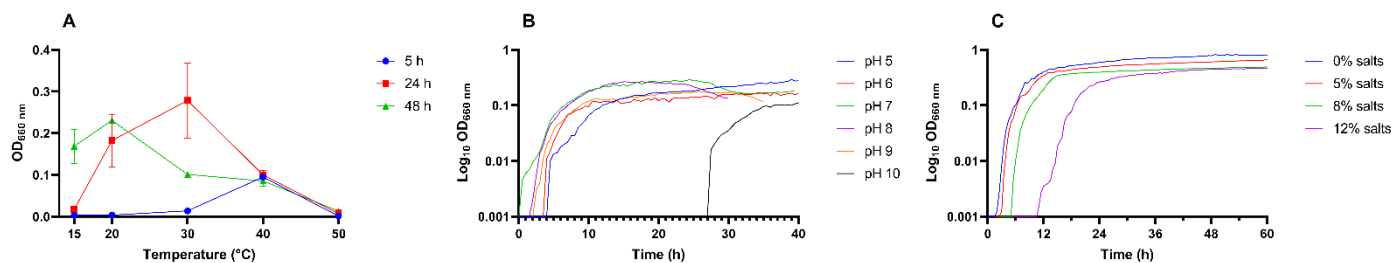


Figure S3. The effect of temperature (A), pH (B) and salt concentration (C) on the growth of *Bacillus* sp. BA N P3.3.

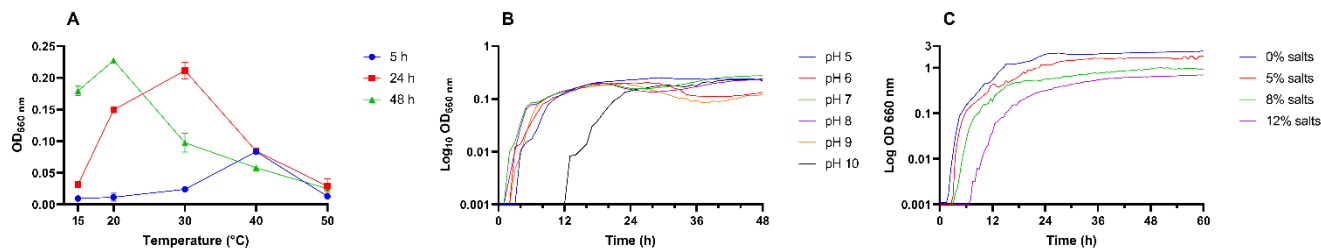


Figure S4. The effect of temperature (A), pH (B) and salt concentration (C) on the growth of *Bacillus* sp. BA N P1.4.



Figure S5. Oil-enriched laboratory model after the treatment with esterase.