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Acinetobacter			
Tenebrio	molitor		

Acinetobacter	Bacillus				
Tenebrio molitor					
State Key Laboratory of Microbial Metabolism, and School of Life Sciences & Biotechnology, Shanghai Jiao Tong University, Shanghai, 200240, China Joint International Research Laboratory of Metabolic & Developmental Sciences, Shanghai Jiao Tong University, Shanghai, 200240, China					
Keywords: Acinetobacter Bacillus	Bacillus	Tenebrio molitor	Acinetobacter		
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1. Introduction					
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Galleria n	Zophobas atratus lodia interpunctella nellonella :hatina fulica	
		Bacillus aryabhattai –
Ps	seudomonas μ	
Enterobacter asburiae	Bacillus Rhodococcus ruber =	=
Pseudomonas	-	= -
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Psei	udomonas	E. coli

2. Materials and methods

2.1. LDPE particles and PE mulching film, bacterial strains and medium

2.5. Weight loss of PE mulching film treated by isolated strains	2.9. Colony counting of mixed bacterial strains
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	3. Results3.1. Isolation and classification of PE-degrading bacterial strains
2.6. High-temperature gel permeation chromatography (HT-GPC) characterization of molecular weight change of PE mulching film treated by isolated strains	Tenebrio molitor
=	Acinetobacter Bacillus
-	3.2. Growth of a consortium of strains NyZ450 and NyZ451 with PE particles
2.7. Characterization of biofilm formation using scanning electron microscopy	
	3.3. Weight loss of PE mulching film treated by a consortium of strains NyZ450 and NyZ451
0	-
2.8. Attenuated total reflection fourier transformed infrared (ATR-FTIR) spectroscopy of PE mulching film	
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3.4. Biofilm formation on the surface of

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Tenebrio molitor

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