Table S1. The composition of BG11 enrichment medium.

Medium components	Molarity in final Mediums
	BG-11
$NaNO_3$	$1.76x10^{-2}$ M
$MgSO_4.7H_2O$	$3.04x10^{-4}$ M
Na_2CO_3	$1.89x10^{-4}$ M
K_2HPO_4	$2.28x10^{-4}$ M
$CaCl_2.2H_2O$	$2.38x10^{-4}$ M
Citric acid	$3.12x10^{-5}$ M
Ferric ammonium citrate	$2.26x10^{-5}$ M
Na2EDTA · 2H2O	$2.69x10^{-6}$ M
Vitamin solution	
Vit. B_1 (Thiamine HCl)	$2.96x10^{-6}$ M
Vit. H (Biotin)	$1.02x10^{-9}$ M
Vit. B_{12} (Cyanocobalamin)	$1.11x10^{-10}$ M
Trace Metal Solution	
H_3BO_3	$9.87x10^{-7}$ M
$MnSO_4 \cdot H_2O$	$1.00x10^{-6}$ M
$ZnSO_4 \cdot 7H_2O$	$9.98x10^{-7}$ M
$CuSO_4 \cdot 5H_2O$	$1.00x10^{-8}$ M
$(NH_4)_6 Mo_7O_{24} \cdot 4H_2O$	$1.01x10^{-8}$ M

Table S2. Lowry reagent for total protein analysis.

Solution A (Alkaline solution for 500 mL)	2.8598 g 14.3084 g	NaOH Na_2CO_3	Solution A + Solution B + Solution C (vol:vol; 100:1:1)	= Lowry reagent
Solution B (Copper sulfate for 100 mL)	1.4232 g	$CuSO_4.5(H_2O)$		
Solution C (Sodium tartrat for 100 mL)	2.85299 g	Na_2Tartrate.$2(H_2O)$		