

เอกสารอ้างอิง

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- นางลักษณ์ สุวรรณพินิจ และ ปรีชา สุวรรณพินิจ. 2544. จุลชีววิทยาทั่วไป. พิมพ์ครั้งที่ 3. กรุงเทพมหานคร: สำนักพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย.
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ภาคผนวก

ภาคผนวก ก

อาหารเลี้ยงเชื้อ

Arbutin medium

| | | |
|-------------------------|-------|----|
| Arbutin | 1.0 | g |
| Yeast extract | 3.0 | g |
| Ferric ammonium citrate | 0.5 | g |
| Agar | 3.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากันแล้วนำไป melt ให้
วุ้นละลาย ตู้อุ่นให้หมด หลอดละ 2 ml แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Basal medium agar

(Utilization of Sugars and Similar Compounds)

| | | |
|----------------------------------------------------|-------|----|
| $(\text{NH}_4)_2 \text{SO}_4$ | 2.64 | g |
| KH_2PO_4 | 2.38 | g |
| $\text{K}_2\text{HPO}_4 \cdot 3\text{H}_2\text{O}$ | 5.56 | g |
| $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ | 1.00 | g |
| $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ | 6.40 | g |
| $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ | 1.10 | g |
| $\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$ | 7.90 | g |
| $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$ | 1.50 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากันแล้วนำไป melt ให้
วุ้นละลาย ตู้อุ่นให้หมด หลอดละ 18 ml แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที
แล้วเติมแหล่งคาร์บอนให้ระดับความเข้มข้นสุดท้ายเท่ากับ 1 % w/v ผสมให้เข้ากันแล้ว
ทำการ pour plate

คาร์โบไฮเดรต 18 ชนิด ได้แก่ adonitol, L-arabinose, cellobiose, dextran, D-fructose, D-galactose, meso-inositol, inulin, D-lactose, mannitol, D-mannose, D-melezitose, raffinose, L-rhamnose, sucrose, trehalose, xylitol และ D-xylose

Basal medium agar

(Utilization of Nitrogen Sources)

| | | |
|---------------------------------------|-------|----|
| NaNO ₃ | 2.0 | g |
| K ₂ HPO ₄ | 1.0 | g |
| MgSO ₄ · 7H ₂ O | 0.5 | g |
| KCl | 0.01 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากันแล้วนำไป melt ให้
วุ้นละลาย คูดใส่หลอด หลอดละ 18 ml แล้วนำไปนิ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที
แล้วเติม glucose ซึ่งเป็นแหล่งคาร์บอนให้ระดับความเข้มข้นสุดท้ายเท่ากับ 1 % w/v
และเติมแหล่งไนโตรเจนให้ระดับความเข้มข้นสุดท้ายเท่ากับ 0.1 % w/v ผสมให้เข้ากัน
แล้วทำการ pour plate

ไนโตรเจน 8 ชนิด ได้แก่ L-arginine, L-histidine, L-methionine, potassium
nitrate, L-phenylalanine, L-serine, L-threonine และ L-valine

Basal medium agar

Modified Benett's Medium 1 L

| | | |
|---------------|------|---|
| Casein | 2.0 | g |
| Meat extract | 1.0 | g |
| Glycerol | 10.0 | g |
| Yeast extract | 3.0 | g |

สูตรอาหาร basal medium เพื่อใช้ในการทดสอบการย่อยสาร

Bile esculin agar

| | | |
|-------------------------|-------|----|
| Esculin | 1.0 | g |
| Beef extract | 3.0 | g |
| Peptone | 5.0 | g |
| Oxbile | 40.0 | g |
| Ferric ammonium citrate | 0.5 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ชั่ง Bile esculin agar 64 g/L เติมน้ำกลั่นจนอาหารละลายเข้ากันแล้วนำไป melt ให้วุ้นละลาย ตู้อุ่นหลอด หลอดละ 2 ml แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Colloidal chitin agar

Medium :

| | | |
|---------------------------------------|-------|----|
| Peptone | 10.0 | g |
| Yeast extract | 5.0 | g |
| NaCl | 1.0 | g |
| KH ₂ PO ₄ | 1.0 | g |
| MgSO ₄ . 7H ₂ O | 0.5 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

การเตรียม colloidal chitin ชั่ง chitin powder 20 g เติมกรด H₂SO₄ (conc. 50 %) 600 ml ใส่ในขวดรูปชมพู่ เขย่าเป็นเวลา 12 ชั่วโมง นำสารละลายที่ได้มา กรองด้วยกระดาษกรองแล้วทำการตกตะกอนด้วยน้ำเย็นโดยค่อยๆ เทสารละลายลงในน้ำเย็น จากนั้นทำการปรับ pH ด้วย 10 N NaOH จนได้ pH 7 ปล่อยให้ตกตะกอนโดย เก็บไว้ที่ 4°C เป็นเวลา 24 ชั่วโมง แล้วนำไป centrifuge จนได้ตะกอน เทส่วนใสทิ้ง แล้วล้างตะกอนด้วยน้ำกลั่น 3 ครั้ง ตะกอนที่ได้นำมาปรับให้ได้ colloidal chitin 10 % w/v เพื่อใช้เป็น stock โดยให้ความเข้มข้นสุดท้ายของ colloidal chitin ในอาหารเป็น 1% w/v

Cellulose medium

| | | |
|---------------------------------------|-------|----|
| Carboxymethylcellulose sodium salt | 10.0 | g |
| Peptone | 5.0 | g |
| Yeast | 5.0 | g |
| KHPO ₄ | 5.0 | g |
| MgSO ₄ · 7H ₂ O | 0.5 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Cobalt chloride (0.005 % w/v) medium

| | | |
|--------------------------|--------|----|
| Modified benett's medium | 100 | ml |
| Crystal violet | 0.0001 | g |
| Agar | 15.0 | g |
| Distilled water | 100 | ml |

ชั่ง cobalt chloride 0.005 g ใส่ใน modified benett's medium 100 ml จนส่วนผสมละลายเข้ากันแล้วนำไปนึ่ง ฆ่าเชื้อที่ 121°C ความดัน 15 ปอนด์ต่อตารางนิ้ว เป็นเวลา 15 นาที

Crystal violet (0.0001 % w/v) medium

| | | |
|--------------------------|--------|----|
| Modified benett's medium | 100 | ml |
| Crystal violet | 0.0001 | g |
| Agar | 15.0 | g |
| Distilled water | 100 | ml |

ชั่ง crystal violet 0.0001 g ใส่ใน modified benett's medium 100 ml จนส่วนผสมละลายเข้ากันแล้วนำไปนึ่ง ฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

DNase Test Agar

| | | |
|-----------------------------|-------|----|
| Pancreatic digest of casein | 10.0 | g |
| Proteose peptone No. 3 | 10.0 | g |
| Deoxyribonucleic Acid | 2.0 | g |
| Sodium chloride | 5.0 | g |
| Agar | 15.0 | g |
| Methyl green | 0.05 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Gelatin medium

Modified benett's medium 1 L

| | | |
|-----------------|-------|----|
| Gelatin | 4 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Glucose Yeast-extract Malt-extract (GYM)

| | | |
|-----------------|-------|----|
| Glucose | 4.0 | g |
| Yeast extract | 4.0 | g |
| Malt extract | 10.0 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Iron (II) sulfate (0.05 และ 0.1% w/v) medium

| | | |
|--------------------------|--------|----|
| Modified benett's medium | 100 | ml |
| Iron (II) sulfate | 0.0001 | g |
| Agar | 15.0 | g |
| Distilled water | 100 | ml |

ชั่ง Iron (II) sulfate 0.05 และ 0.1 g ใส่ใน modified benett's medium 100 ml
จนส่วนผสมละลายเข้ากันแล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Nitrate Broth

| | | |
|-------------------|-------|----|
| Peptone | 5.0 | g |
| Meat extract | 3.0 | g |
| Potassium nitrate | 1.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน ตู้อุ่นให้หมด หลอด
ละ 10 ml แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Oatmeal agar

| | | |
|----------------------|-------|----|
| Oatmeal | 20.0 | g |
| Agar | 18.0 | g |
| Trace salts solution | 1.0 | ml |
| Distilled water | 1,000 | ml |

นำข้าวโอ๊ตมาต้มด้วยน้ำกลั่น 500 ml ต้มจนข้าวโอ๊ตเปื่อยแล้วกรองเอากากออก
ด้วยผ้าขาวบาง แล้วเติมน้ำกลั่นให้ครบ 1 L แล้วเติม Trace salts solution และร่อนลงไป
นำไปฆ่าเชื้อ 121°C เป็นเวลา 15 นาที

Peptone Yeast Iron Agar

| | | |
|-------------------------|-------|----|
| Peptone | 15.0 | g |
| Proteose peptone | 5.0 | g |
| Ferric ammonium citrate | 0.5 | g |
| Sodium thiosulfate | 0.08 | g |
| Yeast extract | 1.0 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่นจนส่วนผสมละลายเข้ากันดูดีใส่หลอด หลอดละ 2 ml แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Phenol (0.1% w/v) medium

| | | |
|--------------------------|------|----|
| Modified benett's medium | 100 | ml |
| Agar | 15.0 | g |
| Distilled water | 100 | ml |

ชั่ง phenol 0.1 g ใส่ใน modified benett's medium 100 ml จนส่วนผสมละลายเข้ากันแล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Potassium tellurite (0.001 และ 0.01% w/v) medium

| | | |
|--------------------------|------|----|
| Modified benett's medium | 100 | ml |
| Agar | 15.0 | g |
| Distilled water | 100 | ml |

ชั่ง potassium tellurite 0.001 และ 0.01 g ใส่ใน modified benett's medium 100 ml จนส่วนผสมละลายเข้ากันแล้วนำไปนึ่ง ฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Sabouraud Dextrose Agar

| | | |
|----------------------------|-------|----|
| Enzymatic digest of casein | 10.0 | g |
| Dextrose | 20.0 | g |
| Agar | 20.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากันแล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Sabouraud Dextrose Broth

| | | |
|----------------------------|-------|----|
| Enzymatic digest of casein | 10.0 | g |
| Dextrose | 20.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Sabouraud Dextrose soft agar

| | | |
|----------------------------|-------|----|
| Enzymatic digest of casein | 10.0 | g |
| Dextrose | 20.0 | g |
| Agar | 7.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Skim milk agar

| | | |
|--------------------------|-------|----|
| Modified benett's medium | 1 L | |
| Skim milk | 10.0 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

เตรียม modified benett's agar ที่มีส่วนประกอบของอาหารเลี้ยงเชื้อเท่ากับ 1,000 ml แต่เติมน้ำกลั่น 900 ml นำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที และเตรียมสารละลาย skim milk 10% นำไปนึ่งฆ่าเชื้อที่ 110°C เป็นเวลา 10 นาที วางให้อาหาร

เย็นลงประมาณ 50°C แล้วเติมสารละลาย skim milk ผสมลงใน modified benett's agar
ปราศจากเชื้อผสมให้เข้ากันจึงเทลงในจานอาหารเลี้ยงเชื้อ

Sodium azide (0.01 และ 0.02% w/v) medium

| | | |
|--------------------------|------|----|
| Modified benett's medium | 100 | ml |
| Agar | 15.0 | g |
| Distilled water | 100 | ml |

ชั่ง sodium azide 0.01 และ 0.02 g ใส่ใน modified benett's medium 100 ml
จนส่วนผสมละลายเข้ากันแล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Sodium chloride (4, 7, 10, 13% w/v) medium

| | | |
|--------------------------|------|----|
| Modified benett's medium | 100 | ml |
| Agar | 15.0 | g |
| Distilled water | 100 | ml |

ชั่ง sodium chloride 4, 7, 10 และ 13 g ใส่ใน modified benett's medium 100
ml จนส่วนผสมละลายเข้ากันแล้วนำไปนึ่ง ฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Starch Agar

| | | |
|--------------------------|-------|----|
| Modified benett's medium | 1 | L |
| Starch | 10 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากันแล้วนำไปนึ่ง ฆ่า
เชื้อที่ 121°C เป็นเวลา 15 นาที

Synthetic Medium For Melanin Production

| | | |
|--------------------------------------|-------|----|
| Glycerol | 15.0 | g |
| L-tyrosine | 0.5 | g |
| L-Asparagine | 1.0 | g |
| K ₂ HPO ₄ | 0.5 | g |
| MgSO ₄ .7H ₂ O | 0.5 | g |
| NaCl | 0.5 | g |
| FeSO ₄ .7H ₂ O | 0.01 | g |
| Trace salts solution | 1 | ml |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Citrate medium

Simmon's citrate agar :

| | | |
|------------------------------------------------|-------|----|
| MgSO ₄ . 7H ₂ O | 0.2 | g |
| NH ₄ H ₂ PO ₄ | 1.0 | g |
| K ₂ HPO ₄ | 1.0 | g |
| Sodium citrate | 2.0 | g |
| NaCl | 5.0 | g |
| Agar | 15.0 | g |
| Bromothymol blue | 0.8 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Tryptic Soy Yeast extract (TSYE) Agar

| | | |
|----------------------------------|-------|----|
| Pancreatic Digest of Casein | 15.0 | g |
| Enzymatic Digest of Soybean Meal | 5.0 | g |
| Sodium Chloride | 5.0 | g |
| Yeast extract | 2.0 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Tryptic Soy Yeast extract (TSYE) broth

| | | |
|----------------------------------|-------|----|
| Pancreatic digest of casein | 17.0 | g |
| Enzymatic digest of soybean meal | 3.0 | g |
| Sodium chloride | 5.0 | g |
| Dipotassium phosphate | 2.5 | g |
| Yeast extract | 2.0 | g |
| Dextrose | 2.5 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Tryptic Soy Yeast extract (TSYE) soft agar

| | | |
|----------------------------------|-------|----|
| Pancreatic digest of casein | 17.0 | g |
| Enzymatic digest of soybean meal | 3.0 | g |
| Sodium chloride | 5.0 | g |
| Dipotassium phosphate | 2.5 | g |
| Yeast extract | 2.0 | g |
| Dextrose | 2.5 | g |
| Agar | 7.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Tyrosine Agar (Degradation)

Modified benett's medium 1 L

| | | |
|-----------------|-------|----|
| Tyrosine | 5.0 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลาย tyrosine ด้วยน้ำกลั่นก่อน แล้วจึงนำไปผสมกับส่วนอื่นๆ และนำไปตั้งไฟอ่อนๆ จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Tween80 medium

| | | |
|-----------------|-------|----|
| Yeast extract | 3.0 | g |
| Mallt | 3.0 | g |
| Peptone | 5.0 | g |
| Tween80 | 10.0 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น จนส่วนผสมละลายเข้ากัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Urea medium

Urea agar base : ประกอบด้วย

| | | |
|---------------------------------|-------|----|
| Glucose | 1.0 | g |
| Peptone from meat | 1.0 | g |
| KH ₂ PO ₄ | 2.0 | g |
| NaCl | 5.0 | g |
| Phenol red | 0.012 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ซ้ Urea agar base 21 g/L นึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที รอให้อาหาร อุณหภูมิลดเหลือ 55 °C หลังจากนั้นดูด urea solution 40% ปริมาตร 50 ml/L เติมใน อาหาร Urea agar base ผสมให้เข้ากันแล้วดูใส่หลอดปลอดเชื้อ หลอดละ 2 ml

Solution of urea :

| | | |
|-----------------|------|----|
| Urea | 40.0 | g |
| Distilled water | 100 | ml |

กรองสารละลายยูเรียด้วยกระดาษกรองที่ฆ่าเชื้อแล้ว

Xanthine medium

Modified benett's medium 1 L

| | | |
|-----------------|-------|----|
| Xanthine | 5.0 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น และนำไปตั้งไฟอ่อนๆ จนส่วนผสมละลายเข้า กัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

Xylan medium

Modified benett's medium 1 L

| | | |
|-----------------|-------|----|
| Xylan | 4.0 | g |
| Agar | 15.0 | g |
| Distilled water | 1,000 | ml |

ละลายส่วนผสมทั้งหมดด้วยน้ำกลั่น และนำไปตั้งไฟอ่อนๆ จนส่วนผสมละลายเข้า กัน แล้วนำไปนึ่งฆ่าเชื้อที่ 121°C เป็นเวลา 15 นาที

ภาคผนวก ข

สารเคมี

1. Reagent A

| | | |
|-----------------|-------|----|
| sulfanilic acid | 8.0 | g |
| acetic acid 5 N | 1,000 | ml |

2. Reagent B

| | | |
|------------------------------|-------|----|
| N,N-Dimethyl-1-naphthylamine | 6.0 | g |
| acetic acid 5 N | 1,000 | ml |

3. สารละลายไอโอดีน

| | | |
|------------------|------|----|
| Iodine | 1.0 | g |
| Potassium iodide | 20.0 | g |
| Distilled water | 100 | ml |

ใช้น้ำละลายไอโอดีน และ KI จนหมดจึงเติมน้ำที่เหลือลงไป

4. Nalidixic acid 20 µg/ml

| | | |
|-----------------|-----|----|
| Nalidixic acid | 0.4 | g |
| Distilled water | 20 | ml |

ละลาย Nalidixic acid ด้วย NaOH จนเป็นสารละลายจากนั้นเติมน้ำกลั่นให้ครบ 20 ml แล้วกรองด้วยกระดาษกรองที่ฆ่าเชื้อแล้ว

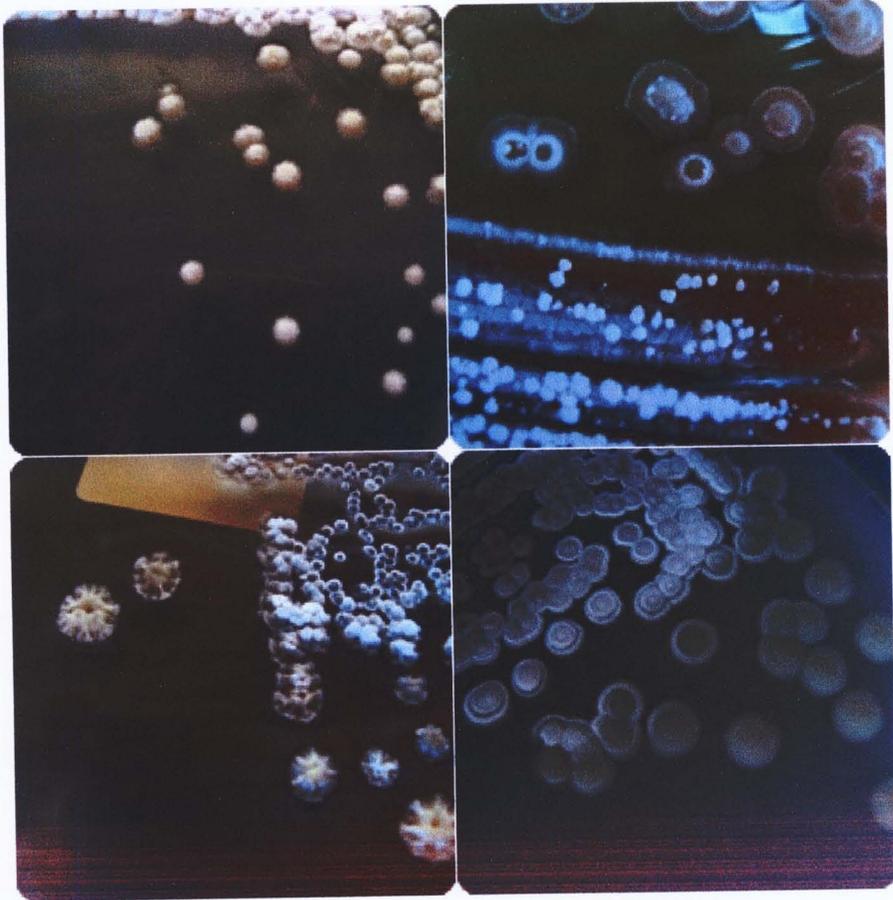
5. Cycloheximide 50 µg/ml

| | | |
|-----------------|-----|----|
| Cycloheximide | 1.0 | g |
| Distilled water | 20 | ml |

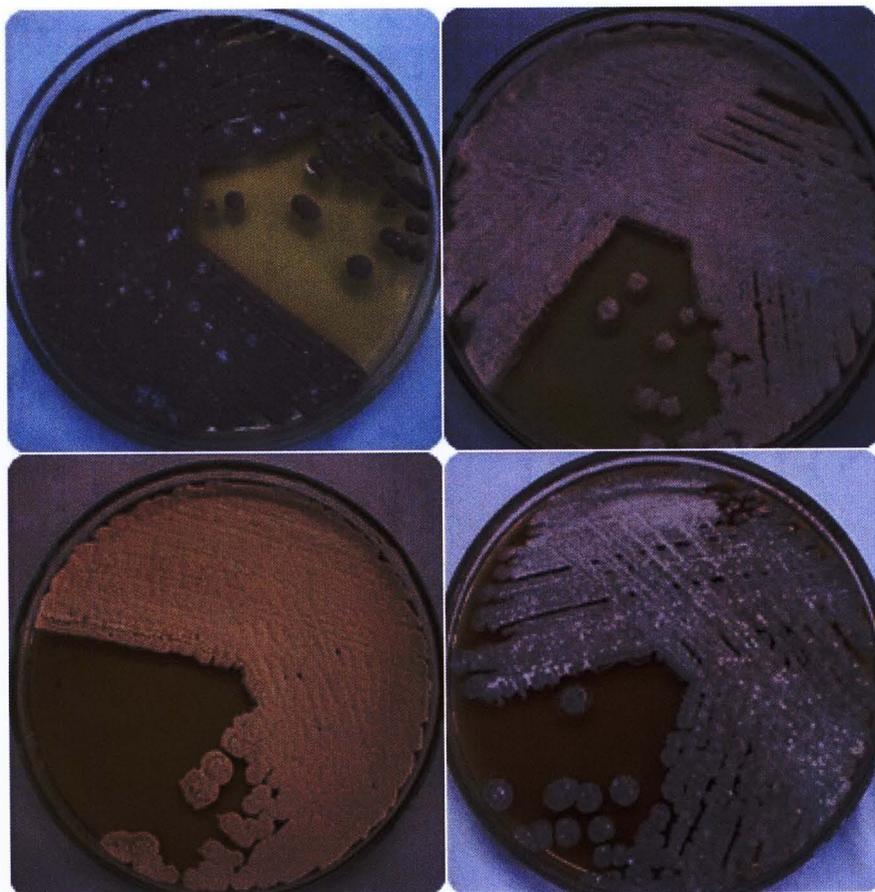
ละลาย Cycloheximide ด้วยเอทานอล 95 % จนเป็นสารละลายจากนั้นเติมน้ำกลั่นให้ครบ 20 ml แล้วกรองด้วยกระดาษกรองที่ฆ่าเชื้อแล้ว



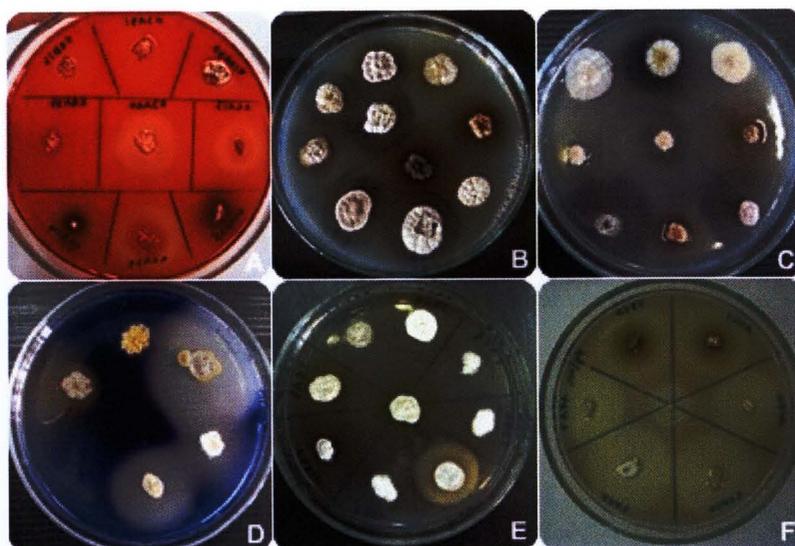
ภาคผนวก ค



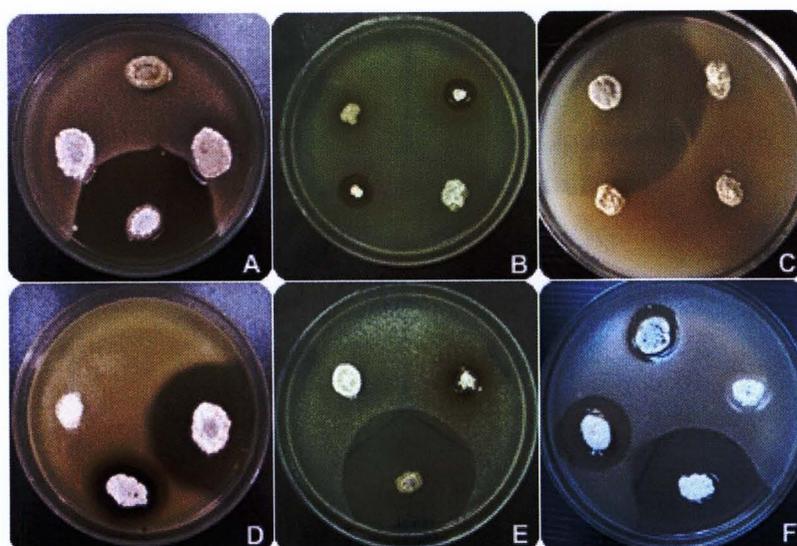
รูปที่ 25 โคลนินของเชื้อสเตรปโตมัยซีทที่แยกจากหมู่เกาะตะรุเตา



รูปที่ 26 สปอร์ของเชื้อสเตรปโตค็อกคัสที่มีลักษณะเป็นผงแป้งหรือกำมะหยี่ซึ่งแยกจากหมู่
เกาะตะรุเตา



รูปที่ 27 การย่อยสลายสารอินทรีย์ของเชื้อสเตรปโตมัยซีทที่แยกจากหมูเกาะตะรุเตา โดย A= cellulose, B= casein, C= gelatin, D= starch, E= tween 80 และ F= xylan



รูปที่ 28 การยับยั้งเชื้อจุลินทรีย์ชนิดอื่นๆ ของเชื้อสเตรปโตมัยซีทที่แยกจากหมูเกาะตะรุเตา โดย A= *Candida albicans* ATCC 90028, B= *Escherichia coli* ATCC 25922, C= *Pseudomonas aeruginosa* ATCC 27853, D= *Micrococcus luteus* ATCC 7468, E= *Staphylococcus aureus* ATCC 25923 และ F= *Bacillus subtilis* ATCC 6633

ตารางที่ 11 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีทีจากเกาะอาดัง

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | Spore mass color | | | | | ลักษณะเส้นสายสปอร์ | | | |
|----------|-----------|--------------------|--------|------|------|-------|--------|-------|------|-----|----|------------------|---|----|----|---|--------------------|--|--|--|
| | | Brown | Yellow | Pink | None | Green | Yellow | White | Gray | Red | RF | RA | S | RF | RA | S | | | | |
| 1 | AD1A1 | - | - | - | + | - | - | - | + | - | - | - | - | - | + | - | | | | |
| 2 | AD1B1 | - | - | - | + | - | - | - | + | - | - | - | - | - | + | - | | | | |
| 3 | AD1B3 | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 4 | AD1B4 | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 5 | AD1B5 | + | - | - | - | - | - | - | + | - | - | - | - | - | - | - | | | | |
| 6 | AD1B7 | + | - | - | - | - | - | - | + | - | - | - | - | - | - | - | | | | |
| 7 | AD1B8 | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 8 | AD1B9 | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 9 | AD1B10 | - | + | - | - | - | - | - | + | - | - | - | - | + | - | + | | | | |
| 10 | AD1B11 | - | + | - | - | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 11 | AD1B12 | - | - | - | + | - | - | - | + | - | - | - | - | - | - | - | | | | |
| 12 | AD1B13 | - | - | - | + | - | - | - | + | - | - | - | - | - | - | - | | | | |
| 13 | AD1B14 | - | + | - | - | - | - | - | + | - | - | - | - | - | + | - | | | | |
| 14 | AD1B16 | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 15 | AD3B1 | - | - | - | + | - | - | - | - | + | - | - | - | - | + | - | | | | |
| 16 | AD3C1 | - | - | - | + | - | - | - | + | - | - | - | - | - | + | - | | | | |
| 17 | AD6A4 | + | - | - | - | + | - | - | - | - | - | - | - | + | - | - | | | | |
| 18 | AD7A2 | - | - | - | + | - | - | - | - | + | - | - | - | - | - | - | | | | |
| 19 | AD7A6 | - | + | - | - | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 20 | AD7A8 | - | - | - | + | - | - | - | - | + | - | - | - | + | - | - | | | | |

ตารางที่ 11 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีทีจากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | Spore mass color | | | | | | | ลักษณะเส้นสายสปอร์ | | |
|----------|-----------|--------------------|--------|------|------|-------|--------|-------|------------------|-----|----|----|---|---|---|--------------------|--|--|
| | | Brown | Yellow | Pink | None | Green | Yellow | White | Gray | Red | RF | RA | S | | | | | |
| 21 | AD9B1 | + | - | - | - | + | - | - | - | - | - | - | + | - | - | - | | |
| 22 | AD9B2 | - | - | - | + | - | - | - | + | - | - | - | - | - | - | + | | |
| 23 | AD9B3 | - | - | - | + | - | - | - | + | - | - | - | + | - | - | - | | |
| 24 | AD9B4 | - | - | - | + | - | - | - | + | - | - | - | + | + | - | - | | |
| 25 | AD9C1 | - | - | - | + | - | - | - | + | - | - | - | + | + | - | - | | |
| 26 | AD10B1 | + | - | - | - | - | - | - | + | - | - | - | + | - | - | - | | |
| 27 | AD11A1 | - | - | - | + | - | - | - | + | - | - | - | + | - | - | - | | |
| 28 | AD11A3 | - | - | - | + | + | - | - | - | - | - | - | + | - | - | - | | |
| 29 | AD11A4 | - | - | - | + | + | - | - | - | - | - | - | - | + | - | - | | |
| 30 | AD11A5 | + | - | - | - | + | - | - | - | - | - | - | - | + | - | - | | |
| 31 | AD11A7 | - | - | - | + | + | - | - | - | - | - | - | + | + | - | + | | |
| 32 | AD11A9 | - | - | - | + | + | - | - | - | - | - | - | + | - | - | - | | |
| 33 | AD11A12 | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | |
| 34 | AD11A13 | - | - | - | + | + | - | - | - | - | - | - | - | + | - | - | | |
| 35 | AD11A14 | - | - | - | + | - | - | - | + | - | - | - | + | - | - | - | | |
| 36 | AD11B4 | + | - | - | - | - | - | - | + | - | - | - | + | + | - | + | | |
| 37 | AD11B5 | - | - | - | + | - | - | - | + | - | - | - | + | + | - | + | | |
| 38 | AD11B6 | - | - | - | + | + | - | - | - | - | - | - | - | - | - | + | | |
| 39 | AD11C1 | - | - | - | + | - | - | - | - | - | - | - | + | - | - | - | | |
| 40 | AD1C1ST | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | |

ตารางที่ 11 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีทจากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | Spore mass color | | | | | | | ลักษณะเส้นสายสปอร์ | | | | |
|----------|-----------|--------------------|--------|------|------|-------|------------------|-------|------|-----|----|----|---|--------------------|----|---|--|--|
| | | Brown | Yellow | Pink | None | Green | Yellow | White | Gray | Red | RF | RA | S | RF | RA | S | | |
| 41 | AD1C2ST | - | - | - | + | - | - | - | - | + | - | - | - | - | + | - | | |
| 42 | AD1C4ST | + | - | - | - | - | - | - | - | + | - | - | - | - | + | - | | |
| 43 | AD3B1ST | + | - | - | - | - | - | - | - | + | - | - | - | - | - | - | | |
| 44 | AD3B2ST | - | - | + | - | - | - | - | - | + | - | - | - | - | - | - | | |
| 45 | AD3B3ST | - | - | - | + | - | - | - | - | + | - | - | - | - | + | + | | |
| 46 | AD3C2ST | - | - | - | + | - | - | - | - | + | - | - | - | - | + | + | | |
| 47 | AD4A4ST | - | + | - | - | - | - | - | - | + | - | - | - | - | - | - | | |
| 48 | AD4B1ST | - | - | - | + | - | - | - | - | + | - | - | - | - | - | - | | |
| 49 | AD4B2ST | - | - | - | + | - | - | - | - | + | - | - | - | - | + | - | | |
| 50 | AD4B3ST | - | - | + | - | - | - | - | - | + | - | - | - | - | - | - | | |
| 51 | AD4B6ST | - | + | - | - | - | - | - | - | + | - | - | - | - | - | - | | |
| 52 | AD4B8ST | - | + | - | - | - | - | - | - | + | - | - | - | - | - | - | | |
| 53 | AD6B3ST | - | - | - | + | - | - | - | - | + | - | - | - | - | - | - | | |
| 54 | AD6B4ST | - | + | - | - | - | - | - | - | + | - | - | - | - | - | - | | |
| 55 | AD6B5ST | - | - | - | + | - | - | - | - | + | - | - | - | - | - | - | | |
| 56 | AD6B13ST | - | - | - | + | - | - | - | - | + | - | - | - | - | + | + | | |
| 57 | AD7B5ST | - | - | - | + | + | - | - | - | - | - | - | - | - | - | - | | |
| 58 | AD7C1ST | + | - | - | - | + | - | - | - | - | - | - | - | - | - | - | | |
| 59 | AD7C2ST | + | - | - | - | - | - | - | - | + | - | - | - | - | - | - | | |
| 60 | AD11B2ST | - | - | - | + | - | - | - | - | + | - | - | - | - | + | - | | |

ตารางที่ 12 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีท์จากเกาะราวี

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | | Spore mass color | | | | | ลักษณะเส้นสายสปอร์ | | |
|----------|-----------|--------------------|--------|-------|------|-------|-------|------|--------|-----|------|-------|------------------|----|----|---|--|--------------------|--|--|
| | | Brown | Yellow | Olive | None | Brown | White | Gray | Yellow | Red | Blue | Green | Dark | RF | RA | S | | | | |
| 1 | RV1A1 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 2 | RV1A2 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 3 | RV1A3 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 4 | RV1A14 | - | - | - | + | - | - | - | - | + | - | - | - | + | - | - | | | | |
| 5 | RV1A18 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 6 | RV1A22 | - | - | + | - | + | - | - | - | - | - | - | - | - | + | - | | | | |
| 7 | RV1B3 | - | + | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 8 | RV1B4 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 9 | RV2A1 | - | + | - | - | - | - | - | + | - | - | - | - | - | - | - | | | | |
| 10 | RV2A4 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 11 | RV2A5 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | - | | | | |
| 12 | RV2A6 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 13 | RV2A7 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 14 | RV2A8 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 15 | RV2A9 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 16 | RV2C4 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 17 | RV3A11 | + | - | - | - | - | - | + | - | - | - | - | - | - | + | - | | | | |
| 18 | RV3A26 | - | - | - | + | - | - | - | + | - | - | - | - | - | - | + | | | | |
| 19 | RV3A28 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | + | | | | |
| 20 | RV3A32 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | + | | | | |

ตารางที่ 12 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีท์จากเกาะงาวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | | Spore mass color | | | | | ลักษณะเส้นสายสปอร์ | | |
|----------|-----------|--------------------|--------|-------|------|-------|-------|------|--------|-----|------|-------|------------------|----|----|---|--|--------------------|--|--|
| | | Brown | Yellow | Olive | None | Brown | White | Gray | Yellow | Red | Blue | Green | Dark | RF | RA | S | | | | |
| 21 | RV3A40 | - | - | - | + | - | + | - | - | - | - | - | - | - | + | - | | | | |
| 22 | RV3A44 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 23 | RV3A49 | + | - | - | - | + | - | - | - | - | - | - | - | - | + | - | | | | |
| 24 | RV3A52 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 25 | RV3B11 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 26 | RV3B14 | - | - | - | + | - | - | - | + | - | - | - | - | - | - | - | | | | |
| 27 | RV4A1 | - | - | - | + | - | - | - | - | - | + | - | - | + | - | - | | | | |
| 28 | RV4A3 | - | - | - | + | - | + | - | - | - | - | - | - | - | - | + | | | | |
| 29 | RV4A4 | + | - | - | - | + | - | - | - | - | - | - | - | + | - | - | | | | |
| 30 | RV4A5 | + | - | - | - | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 31 | RV4A6 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 32 | RV4A8 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 33 | RV4A10 | - | - | - | + | - | - | - | - | - | + | - | - | - | + | - | | | | |
| 34 | RV4A12 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | + | | | | |
| 35 | RV4A17 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 36 | RV4A18 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 37 | RV4A20 | - | - | - | + | - | - | - | + | - | - | - | - | - | + | + | | | | |
| 38 | RV4A21 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 39 | RV4A22 | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 40 | RV4A23 | - | - | - | + | - | - | + | - | - | - | - | - | - | - | + | | | | |

ตารางที่ 12 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | Spore mass color | | | | | ลักษณะเส้นสายสปอร์ | | | |
|----------|-----------|--------------------|--------|-------|------|-------|-------|------|--------|-----|------|------------------|------|----|----|---|--------------------|--|--|--|
| | | Brown | Yellow | Olive | None | Brown | White | Gray | Yellow | Red | Blue | Green | Dark | RF | RA | S | | | | |
| 41 | RV4A27 | - | - | - | + | - | - | + | - | - | - | - | - | - | - | + | | | | |
| 42 | RV4A28 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 43 | RV4A29 | - | - | - | + | - | - | + | - | - | - | - | - | - | - | + | | | | |
| 44 | RV4A30 | - | + | - | - | - | - | + | - | - | - | - | - | - | + | - | | | | |
| 45 | RV4A34 | - | + | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 46 | RV4A35 | - | + | - | - | - | - | - | - | - | - | - | - | - | - | + | | | | |
| 47 | RV4A37 | - | - | - | + | - | + | - | - | - | - | - | - | - | - | + | | | | |
| 48 | RV4A40 | - | - | - | + | - | - | + | - | - | - | - | - | - | - | + | | | | |
| 49 | RV4A42 | - | - | + | - | - | - | - | - | - | - | - | - | - | - | + | | | | |
| 50 | RV4B1 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | | |
| 51 | RV5A1 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | | |
| 52 | RV5A8 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | | |
| 53 | RV5A9 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | | |
| 54 | RV5A15 | - | + | - | - | - | - | - | + | - | - | - | - | - | - | - | | | | |
| 55 | RV5A20 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | | |
| 56 | RV5A21 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | | |
| 57 | RV5A22 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | | |
| 58 | RV5B4 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | | |
| 59 | RV5C1 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | | |
| 60 | RV5C2 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | | |

ตารางที่ 12 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Spore mass color | | | | | | | | | | | ลักษณะเส้นสายสปอร์ | | | |
|----------|-----------|--------------------|--------|-------|------|-------|-------|------|--------|-----|------|-------|--------------------|----|----|---|
| | | Diffusible pigment | | | | | | | | | | | RF | RA | S | |
| | | Brown | Yellow | Olive | None | Brown | White | Gray | Yellow | Red | Blue | Green | Dark | RF | RA | S |
| 61 | RV5C3 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - |
| 62 | RV7C3 | - | + | - | - | - | - | + | - | - | - | - | - | + | - | - |
| 63 | RV7C6 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - |
| 64 | RV8B2 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - |
| 65 | RV8B4 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - |
| 66 | RV8B7 | - | - | + | - | + | - | - | - | - | - | - | - | - | + | - |
| 67 | RV8B9 | - | - | - | + | - | + | - | - | - | - | - | - | - | + | - |
| 68 | RV8B10 | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - |
| 69 | RV8B11 | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - |
| 70 | RV8B12 | - | + | - | - | + | - | - | - | - | - | - | - | + | - | - |
| 71 | RV8B13 | - | + | - | - | + | - | - | - | - | - | - | - | + | - | - |
| 72 | RV9C1 | - | + | - | - | - | - | + | - | - | - | - | - | + | - | - |
| 73 | RV10A30 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | - |
| 74 | RV10A35 | + | - | - | - | - | - | + | - | - | - | - | - | - | + | + |
| 75 | RV10A39 | - | + | - | - | - | - | - | + | - | - | - | - | + | - | - |
| 76 | RV10B3 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - |
| 77 | RV10B14 | - | - | - | + | - | - | - | - | - | - | - | - | + | + | - |
| 78 | RV10B17 | - | - | - | + | - | + | - | - | - | - | - | - | - | + | + |
| 79 | RV10B19 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - |
| 80 | RV10C4 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - |

ตารางที่ 12 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | Spore mass color | | | | | ลักษณะเส้นสายสปอร์ | | | |
|----------|-----------|--------------------|--------|-------|------|-------|-------|------|--------|-----|------|------------------|------|----|----|---|--------------------|--|--|--|
| | | Brown | Yellow | Olive | None | Brown | White | Gray | Yellow | Red | Blue | Green | Dark | RF | RA | S | | | | |
| 81 | RV10C6 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 82 | RV2A2 | - | + | - | - | - | - | - | + | - | - | - | - | - | + | - | | | | |
| 83 | RV3A31 | - | - | - | + | + | - | - | - | - | - | - | - | + | - | - | | | | |
| 84 | RV3A38 | + | - | - | - | - | - | - | - | + | - | - | - | + | - | - | | | | |
| 85 | RV3B5 | - | + | - | - | - | + | - | - | - | - | - | - | - | - | + | | | | |
| 86 | RV4A14 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | + | | | | |
| 87 | RV4A33 | - | - | - | + | - | - | + | - | - | - | - | - | + | + | + | | | | |
| 88 | RV4A38 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 89 | RV4A39 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | - | | | | |
| 90 | RV4A45 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | - | | | | |
| 91 | RV5A13 | - | - | - | + | - | - | + | - | - | - | - | - | - | - | + | | | | |
| 92 | RV5A14 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 93 | RV5A17 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 94 | RV6B4 | + | - | - | - | - | - | - | - | - | - | - | - | + | + | - | | | | |
| 95 | RV8B3 | + | - | - | - | - | - | + | - | - | - | - | - | + | + | - | | | | |
| 96 | RV8B8 | - | + | - | - | - | - | - | - | + | - | - | - | - | + | - | | | | |
| 97 | RV8B16 | - | + | - | - | - | - | + | - | - | - | - | - | + | + | - | | | | |
| 98 | RV10B9 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |

ตารางที่ 13 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีทีจากเกาะตระรุเตา

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | Spore mass color | | | | | ลักษณะเส้นสายสปอร์ | | |
|----------|-----------|--------------------|--------|-------|------|------|------|------|-------|-------|-----|------------------|-------|----|----|---|--------------------|--|--|
| | | Brown | Yellow | Olive | None | Dark | Blue | Gray | White | Brown | Red | Yellow | Green | RF | RA | S | | | |
| 1 | TS3B1 | - | + | - | - | - | - | + | - | - | - | - | - | - | + | - | | | |
| 2 | TS3B3 | + | - | - | - | - | - | + | - | - | - | - | - | - | + | - | | | |
| 3 | TS3B4 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | - | | | |
| 4 | TS3B6 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | - | | | |
| 5 | TS3B9 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | |
| 6 | TS3B10 | - | + | - | - | - | - | + | - | - | - | - | - | - | + | - | | | |
| 7 | TS3B11 | - | - | - | + | - | - | - | + | - | - | - | - | - | + | - | | | |
| 8 | TS3B12 | - | - | - | + | - | - | - | + | - | - | - | - | - | + | - | | | |
| 9 | TS3B13 | - | - | - | + | - | - | - | - | + | - | - | - | - | + | - | | | |
| 10 | TS3B15 | - | - | - | + | - | - | - | - | + | - | - | - | - | + | - | | | |
| 11 | TS3C1 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | - | | | |
| 12 | TS3C2 | + | - | - | - | - | - | + | - | - | - | - | - | - | + | - | | | |
| 13 | TS3C3 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | - | | | |
| 14 | TS3C4 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | - | | | |
| 15 | TS4A1 | - | + | - | - | - | - | - | + | - | - | - | - | - | + | - | | | |
| 16 | TS4A2 | + | - | - | - | - | - | - | + | - | - | - | - | - | - | + | | | |
| 17 | TS4A3 | - | + | - | - | - | - | - | + | - | - | - | - | - | + | - | | | |
| 18 | TS4A4 | + | - | - | - | - | - | - | - | - | - | - | - | + | + | - | | | |
| 19 | TS4A5 | + | - | - | - | - | - | - | + | - | - | - | - | - | + | - | | | |
| 20 | TS4A6 | - | + | - | - | - | - | - | + | - | - | - | - | - | + | - | | | |

ตารางที่ 13 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีทีจากเกาะตระรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | Spore mass color | | | | | ลักษณะเส้นสายสปอร์ | | |
|----------|-----------|--------------------|--------|-------|------|------|------|------|-------|-------|-----|------------------|-------|----|----|---|--------------------|--|--|
| | | Brown | Yellow | Olive | None | Dark | Blue | Gray | White | Brown | Red | Yellow | Green | RF | RA | S | | | |
| 21 | TS4A7 | + | - | - | - | - | - | - | - | - | - | - | - | + | - | - | | | |
| 22 | TS4A8 | + | - | - | - | - | - | - | - | - | - | - | - | + | - | - | | | |
| 23 | TS4C2 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | |
| 24 | TS4C3 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | |
| 25 | TS5C1 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | |
| 26 | TS5C4 | + | - | - | - | - | - | - | + | - | - | - | - | - | + | - | | | |
| 27 | TS5C6 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | |
| 28 | TS5C7 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | |
| 29 | TS7A1 | - | - | - | + | - | - | - | - | - | - | - | - | - | + | + | | | |
| 30 | TS7A2 | - | - | - | + | - | - | - | - | - | - | - | - | - | + | + | | | |
| 31 | TS12B1 | + | - | - | - | - | - | - | - | + | - | - | - | + | - | - | | | |
| 32 | TS12B2 | + | - | - | - | - | + | - | - | - | - | - | - | + | - | - | | | |
| 33 | TS12B5 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | |
| 34 | TS12B6 | - | - | - | + | - | + | - | - | - | - | - | - | - | + | - | | | |
| 35 | TS12B7 | - | - | - | + | - | + | - | - | - | - | - | - | - | + | - | | | |
| 36 | TS12B8 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | |
| 37 | TS12B9 | - | - | - | + | - | + | - | - | + | - | - | - | + | - | - | | | |
| 38 | TS12B10 | - | - | - | + | - | + | - | - | - | - | - | - | - | - | + | | | |
| 39 | TS12B14 | + | - | - | - | - | + | - | - | - | - | - | - | + | - | - | | | |
| 40 | TS12C4 | + | - | - | - | - | + | - | - | - | - | - | - | + | - | - | | | |

ตารางที่ 13 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีท์จากเกาะตงเรูเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | | Spore mass color | | | | | ลักษณะเส้นสายสปอร์ | | |
|----------|-----------|--------------------|--------|-------|------|------|------|------|-------|-------|-----|--------|------------------|----|----|---|--|--------------------|--|--|
| | | Brown | Yellow | Olive | None | Dark | Blue | Gray | White | Brown | Red | Yellow | Green | RF | RA | S | | | | |
| 41 | TS15B1 | - | + | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 42 | TS25Aa9 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | - | | | | |
| 43 | TS25Aa11 | - | - | - | + | - | - | - | + | - | - | - | - | - | + | - | | | | |
| 44 | TS25Aa12 | - | - | - | + | - | - | - | + | - | - | - | - | - | + | - | | | | |
| 45 | TS26Bb2 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 46 | TS26Bb3 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 47 | TS26Bb5 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 48 | TS26Bb6 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 49 | TS26Bb9 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 50 | TS26Bb11 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 51 | TS26Bb12 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 52 | TS26Bb13 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 53 | TS26Bb16 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 54 | TS26Bb31 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 55 | TS26Bb33 | - | + | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 56 | TS26Bb36 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 57 | TS26Bb42 | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 58 | TS26Bb43 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 59 | TS26Bb44 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 60 | TS26Bb49 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |

ตารางที่ 13 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีทีจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | | Spore mass color | | | | | ลักษณะเส้นสายสปอร์ | | |
|----------|-----------|--------------------|--------|-------|------|------|------|------|-------|-------|-----|--------|------------------|----|----|---|--|--------------------|--|--|
| | | Brown | Yellow | Olive | None | Dark | Blue | Gray | White | Brown | Red | Yellow | Green | RF | RA | S | | | | |
| 61 | TS26Bb63 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 62 | TS26Bb72 | - | - | - | + | - | - | + | - | - | - | - | - | - | + | - | | | | |
| 63 | TS26Bb74 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 64 | TS26Bb75 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 65 | TS26Bb81 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 66 | TS26Bb85 | - | - | - | + | - | - | - | - | + | - | - | - | + | - | - | | | | |
| 67 | TS26Bb89 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 68 | TS26Bb94 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 69 | TS26Bb97 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 70 | TS26Ca7 | - | - | - | + | - | - | - | - | + | - | - | - | - | - | + | | | | |
| 71 | TS26Ca12 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 72 | TS26Ca13 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 73 | TS26Ca14 | - | + | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 74 | TS26Ca15 | - | - | - | + | - | - | - | - | - | - | + | - | + | - | - | | | | |
| 75 | TS26Ca16 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 76 | TS26Ca23 | + | - | - | - | - | - | - | - | + | - | - | - | + | - | - | | | | |
| 77 | TS26Ca26 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 78 | TS26Cb3 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 79 | TS26Cb10 | + | - | - | - | - | - | + | - | - | - | - | - | + | - | - | | | | |
| 80 | TS26Cb13 | + | - | - | - | - | - | + | - | - | - | - | - | - | + | - | | | | |

ตารางที่ 13 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีทีจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | | Spore mass color | | | | | ลักษณะเส้นสายสปอร์ | | |
|----------|-----------|--------------------|--------|-------|------|------|------|------|-------|-------|-----|--------|------------------|----|----|---|--|--------------------|--|--|
| | | Brown | Yellow | Olive | None | Dark | Blue | Gray | White | Brown | Red | Yellow | Green | RF | RA | S | | | | |
| 81 | TS26Cb14 | + | - | - | - | - | + | - | - | - | - | - | - | - | + | + | | | | |
| 82 | TS1B5 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 83 | TS3B2 | - | - | - | + | - | + | - | - | - | - | - | - | - | + | - | | | | |
| 84 | TS3B7 | + | - | - | - | - | + | - | - | - | - | - | + | - | - | - | | | | |
| 85 | TS4C1 | - | - | - | + | - | + | - | - | - | - | - | + | + | - | - | | | | |
| 86 | TS12B3 | + | - | - | - | - | + | - | - | - | - | - | + | - | - | - | | | | |
| 87 | TS12C1 | + | - | - | - | - | + | - | - | - | - | - | + | - | - | - | | | | |
| 88 | TS12C2 | + | - | - | - | - | + | - | - | - | - | - | + | - | - | - | | | | |
| 89 | TS12C5 | + | - | - | - | - | + | - | - | - | - | - | + | + | - | - | | | | |
| 90 | TS12C9 | + | - | - | - | - | + | - | - | - | - | - | + | + | - | - | | | | |
| 91 | TS26Bb8 | - | - | - | + | - | + | - | - | - | - | - | + | - | - | - | | | | |
| 92 | TS26Bb21 | - | - | - | + | - | + | - | - | - | - | - | + | - | - | - | | | | |
| 93 | TS26Bb22 | - | - | - | + | - | + | - | - | - | - | - | + | - | - | - | | | | |
| 94 | TS26Bb76 | + | - | - | - | - | - | + | - | - | - | - | + | - | - | - | | | | |
| 95 | TS26Bb77 | - | + | - | - | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 96 | TS26Bb79 | + | - | - | - | - | + | - | - | - | - | - | + | - | - | - | | | | |
| 97 | TS26Bb80 | + | - | - | - | - | - | - | - | + | - | - | + | + | - | - | | | | |
| 98 | TS26Bb86 | - | - | - | + | - | + | - | - | - | - | - | + | + | - | - | | | | |
| 99 | TS26Bb92 | + | - | - | - | - | + | - | - | - | - | - | + | - | - | - | | | | |
| 100 | TS26Ca2 | - | - | - | + | - | + | - | - | - | - | - | - | - | - | + | | | | |

ตารางที่ 13 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีทีจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | Spore mass color | | | | | ลักษณะเส้นสายสปอร์ | | | |
|----------|-----------|--------------------|--------|-------|------|------|------|------|-------|-------|-----|------------------|-------|----|----|---|--------------------|--|--|--|
| | | Brown | Yellow | Olive | None | Dark | Blue | Gray | White | Brown | Red | Yellow | Green | RF | RA | S | | | | |
| 101 | TS26Ca21 | + | - | - | - | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 102 | TS26Ca27 | + | - | - | - | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 103 | TS26Cb5 | + | - | - | - | - | + | - | - | - | - | - | - | - | + | - | | | | |
| 104 | TS26Cb7 | - | - | - | + | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 105 | TS26Cb11 | + | - | - | - | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 106 | TS26Cb15 | + | - | - | - | - | + | - | - | - | - | - | - | + | - | - | | | | |
| 107 | TS3C6 | + | - | - | - | - | + | - | - | - | - | - | - | - | - | + | | | | |
| 108 | TS4Ba1 | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | | |
| 109 | TS4Ba2 | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | | |
| 110 | TS4Ba3 | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 111 | TS4C2ST | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | | |
| 112 | TS4C4ST | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | | |
| 113 | TS4C5ST | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 114 | TS4C7ST | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 115 | TS4C9ST | - | - | - | + | - | - | - | + | - | - | - | - | + | - | - | | | | |
| 116 | TS4C10ST | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | | |
| 117 | TS4C11ST | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | | |
| 118 | TS4C13ST | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | | |
| 119 | TS4Ca1 | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | | |
| 120 | TS4Ca2 | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | | |

ตารางที่ 13 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | Spore mass color | | | | | ลักษณะเส้นสายสปอร์ | | | | |
|----------|-----------|--------------------|--------|-------|------|------|------|------|-------|-------|-----|------------------|-------|----|----|---|--------------------|--|--|--|--|
| | | Brown | Yellow | Olive | None | Dark | Blue | Gray | White | Brown | Red | Yellow | Green | RF | RA | S | | | | | |
| 121 | TS4Ca3 | - | - | - | + | + | - | - | - | - | - | - | - | + | - | - | | | | | |
| 122 | TS4Cb4 | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | | | |
| 123 | TS8Ba1 | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | | | |
| 124 | TS8Bb2 | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | | | |
| 125 | TS8C1ST | - | - | - | + | - | - | - | - | - | - | + | + | + | - | - | | | | | |
| 126 | TS10B1ST | - | + | - | - | - | - | - | - | - | - | - | - | + | - | - | | | | | |
| 127 | TS10C1ST | - | - | + | - | - | - | - | - | + | - | - | - | - | + | + | | | | | |
| 128 | TS13Aa9 | + | - | - | - | - | - | - | - | + | - | - | - | + | + | - | | | | | |
| 129 | TS13B1ST | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | | | |
| 130 | TS13B2ST | - | - | - | + | - | - | - | - | + | - | - | - | + | - | - | | | | | |
| 131 | TS13B3ST | - | - | - | + | - | - | - | - | - | - | + | + | + | - | - | | | | | |
| 132 | TS13Ba1 | + | - | - | - | - | - | + | - | - | - | - | - | + | + | + | | | | | |
| 133 | TS13Ba6 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | | | | | |
| 134 | TS17Bb1 | - | + | - | - | - | - | - | - | - | - | - | + | + | - | - | | | | | |
| 135 | TS17Bb1Y | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | | |
| 136 | TS17Bb3 | + | - | - | - | - | - | - | - | - | - | - | - | + | - | - | | | | | |
| 137 | TS17Bb5 | - | + | - | - | - | - | - | - | - | - | - | + | + | - | - | | | | | |
| 138 | TS17Ca1 | - | - | - | + | - | - | - | - | + | - | - | - | + | - | - | | | | | |
| 139 | TS17Ca5 | - | - | + | - | - | - | - | - | - | - | - | - | + | - | - | | | | | |
| 140 | TS17Ca6 | - | - | - | + | - | - | + | - | - | - | - | - | + | - | - | | | | | |

ตารางที่ 13 การผลิต Diffusible pigment, spore mass color และลักษณะของเส้นสายสปอร์ของเชื้อสเตรปโตมัยซีท์จากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | Diffusible pigment | | | | | | | | | | Spore mass color | | | | ลักษณะเส้นสายสปอร์ | | | |
|----------|-----------|--------------------|--------|-------|------|------|------|------|-------|-------|-----|------------------|-------|----|----|--------------------|---|--|--|
| | | Brown | Yellow | Olive | None | Dark | Blue | Gray | White | Brown | Red | Yellow | Green | RF | RA | S | | | |
| 141 | TS17Ca7 | - | - | - | + | - | - | - | + | - | - | - | - | - | - | - | + | | |
| 142 | TS17Ca8 | - | + | - | - | - | - | - | - | - | - | - | - | + | - | - | - | | |
| 143 | TS17Ca12 | - | - | - | + | - | - | - | - | + | - | - | - | + | - | - | - | | |
| 144 | TS18Ab1 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | - | | |
| 145 | TS20Ba10 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | - | | |
| 146 | TS20Bb2 | - | - | - | + | - | - | - | - | + | - | - | - | - | - | + | + | | |
| 147 | TS20Cb6 | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | - | | |
| 148 | TS26Bb40 | - | - | - | + | - | - | - | - | + | - | - | - | + | - | - | - | | |

หมายเหตุ RF= Rectifexibiles, RA= Rectinaculiperti, S= Spirales

ตารางที่ 14 การเจริญที่อุณหภูมิ พีเอชต่างๆ และการผลิตเมดิเลชันของเชื้อสเตรปโตมัยซีทจากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | | | | | | | | | พีเอช | | | | | การผลิตเมดิเลชัน | | |
|----------|-----------|---------------|----|----|----|----|---|---|---|---|---|-------|----|----|----|-------------------------|------------------|--|--|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 11 | Peptone yeast iron agar | Tyrosine agar | | |
| 21 | AD9B1 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | | |
| 22 | AD9B2 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | | |
| 23 | AD9B3 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| 24 | AD9B4 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | | |
| 25 | AD9C1 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | | |
| 26 | AD10B1 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | - | - | | |
| 27 | AD11A1 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - | | |
| 28 | AD11A3 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - | | |
| 29 | AD11A4 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | | |
| 30 | AD11A5 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - | | |
| 31 | AD11A7 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - | | |
| 32 | AD11A9 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - | | |
| 33 | AD11A12 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - | | |
| 34 | AD11A13 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | | |
| 35 | AD11A14 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | | |
| 36 | AD11B4 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - | | |
| 37 | AD11B5 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - | | |
| 38 | AD11B6 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - | | |
| 39 | AD11C1 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | | |
| 40 | AD1C1ST | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | | |

ตารางที่ 14 การเจริญที่อุณหภูมิ ฟือชต่าง ๆ และการผลิตเม็ดสีเมลานินของเชื้อสเตรปโตมัยซีทจากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | | | | | | | | | ฟือช | | | การผลิตเม็ดสีเมลานิน | |
|----------|-----------|----------------|----|----|----|----|---|---|---|---|---|------|----|----|-------------------------|---------------|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar |
| 41 | AD1C2ST | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 42 | AD1C4ST | - | + | + | + | + | + | + | + | + | + | + | + | - | - | + |
| 43 | AD3B1ST | - | + | + | + | - | + | + | + | + | + | + | + | - | - | + |
| 44 | AD3B2ST | - | + | + | + | - | + | + | + | + | + | + | + | - | - | + |
| 45 | AD3B3ST | - | + | + | + | + | + | + | + | + | + | + | + | - | - | - |
| 46 | AD3C2ST | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 47 | AD4A4ST | - | + | + | + | - | + | + | + | + | + | + | + | - | - | - |
| 48 | AD4B1ST | - | + | + | + | - | + | + | + | + | + | + | + | - | - | - |
| 49 | AD4B2ST | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 50 | AD4B3ST | - | + | + | + | - | + | + | + | + | + | + | + | - | - | - |
| 51 | AD4B6ST | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 52 | AD4B8ST | - | + | + | + | - | + | + | + | + | + | + | + | - | - | - |
| 53 | AD6B3ST | - | + | + | + | + | + | + | + | + | + | + | + | - | - | + |
| 54 | AD6B4ST | - | + | + | + | - | + | + | + | + | + | + | + | - | - | - |
| 55 | AD6B5ST | - | + | + | + | - | + | + | + | + | + | + | + | - | - | - |
| 56 | AD6B13ST | - | + | + | + | + | + | + | + | + | + | + | + | - | - | + |
| 57 | AD7B5ST | - | + | + | + | - | + | + | + | + | + | + | + | - | - | + |
| 58 | AD7C1ST | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 59 | AD7C2ST | - | + | + | + | - | + | + | + | + | + | + | + | + | + | - |
| 60 | AD11B2ST | - | + | + | + | + | + | + | + | + | + | + | + | - | - | - |

ตารางที่ 15 การเจริญที่อุณหภูมิ พีเอชต่างๆ และการผลิตเม็ดสีเมลานินของเชื้อสเตรปโตมัยซีท์จากเกาะราวี

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | พีเอช | | | | | | | | | | การผลิตเม็ดสีเมลานิน | | |
|----------|-----------|----------------|----|-------|----|----|---|---|---|---|---|---|----|----------------------|-------------------------|---------------|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar |
| 1 | RV1A1 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 2 | RV1A2 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | - |
| 3 | RV1A3 | - | + | + | + | - | + | + | + | + | + | + | - | + | + | + |
| 4 | RV1A14 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 5 | RV1A18 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | - |
| 6 | RV1A22 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 7 | RV1B3 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 8 | RV1B4 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | + |
| 9 | RV2A1 | - | + | + | + | - | - | + | + | + | + | + | + | + | - | - |
| 10 | RV2A4 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 11 | RV2A5 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 12 | RV2A6 | + | + | + | + | - | - | + | + | + | + | + | + | + | - | - |
| 13 | RV2A7 | - | + | + | + | - | - | + | + | + | + | + | + | + | - | - |
| 14 | RV2A8 | - | + | + | + | - | - | + | + | + | + | + | + | + | - | - |
| 15 | RV2A9 | + | + | + | + | - | - | + | + | + | + | + | + | + | - | - |
| 16 | RV2C4 | - | + | + | + | - | - | + | + | + | + | + | - | + | + | + |
| 17 | RV3A11 | - | + | + | + | - | - | + | + | + | + | + | + | + | - | - |
| 18 | RV3A26 | - | + | + | + | - | - | + | + | + | + | + | + | + | - | - |
| 19 | RV3A28 | - | + | + | + | - | - | + | + | + | + | + | + | + | - | - |
| 20 | RV3A32 | - | + | + | + | - | - | + | + | + | + | + | + | + | - | - |

ตารางที่ 15 การเจริญที่อุณหภูมิ พีเอชต่างๆ และการผลิตเม็ตัสลานีนของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | พีเอช | | | | | | | | | | การผลิตเม็ตัสลานีน | | |
|----------|-----------|----------------|----|-------|----|----|---|---|---|---|---|---|----|--------------------|-------------------------|---------------|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar |
| 21 | RV3A40 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | + |
| 22 | RV3A44 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | - |
| 23 | RV3A49 | + | + | + | + | + | - | + | + | + | + | + | + | + | - | - |
| 24 | RV3A52 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 25 | RV3B11 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 26 | RV3B14 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 27 | RV4A1 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 28 | RV4A3 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 29 | RV4A4 | - | + | + | + | + | - | + | + | + | + | + | + | + | - | - |
| 30 | RV4A5 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | - |
| 31 | RV4A6 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 32 | RV4A8 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | + |
| 33 | RV4A10 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 34 | RV4A12 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | + |
| 35 | RV4A17 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | + |
| 36 | RV4A18 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 37 | RV4A20 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 38 | RV4A21 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 39 | RV4A22 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 40 | RV4A23 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - |

ตารางที่ 15 การเจริญที่อุณหภูมิ พีเอชต่าง ๆ และการผลิตเมดิเลลันของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | พีเอช | | | | | | | | | | การผลิตเมดิเลลัน | | |
|----------|-----------|----------------|----|-------|----|----|---|---|---|---|---|---|----|------------------|-------------------------|---------------|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar |
| 41 | RV4A27 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | + |
| 42 | RV4A28 | - | + | + | + | + | - | + | + | + | + | + | + | + | - | - |
| 43 | RV4A29 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | + |
| 44 | RV4A30 | - | + | + | + | + | - | + | + | + | + | + | + | + | - | - |
| 45 | RV4A34 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 46 | RV4A35 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | + |
| 47 | RV4A37 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 48 | RV4A40 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 49 | RV4A42 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 50 | RV4B1 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 51 | RV5A1 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 52 | RV5A8 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 53 | RV5A9 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 54 | RV5A15 | - | + | + | + | + | - | + | + | + | + | + | + | + | - | - |
| 55 | RV5A20 | + | + | + | + | + | - | + | + | + | + | + | + | + | - | - |
| 56 | RV5A21 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 57 | RV5A22 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 58 | RV5B4 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 59 | RV5C1 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 60 | RV5C2 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |

ตารางที่ 15 การเจริญที่อุณหภูมิ พีเอชต่างๆ และการผลิตเมลานินของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | พีเอช | | | | | | | | | | | การผลิตเมลานิน | |
|----------|-----------|----------------|----|-------|----|----|---|---|---|---|---|---|----|----|-------------------------|---------------|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar |
| 61 | RV5C3 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 62 | RV7C3 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 63 | RV7C6 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | - |
| 64 | RV8B2 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | - |
| 65 | RV8B4 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 66 | RV8B7 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 67 | RV8B9 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 68 | RV8B10 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 69 | RV8B11 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | - |
| 70 | RV8B12 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 71 | RV8B13 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | + |
| 72 | RV9C1 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 73 | RV10A30 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 74 | RV10A35 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | - |
| 75 | RV10A39 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 76 | RV10B3 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | - |
| 77 | RV10B14 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 78 | RV10B17 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 79 | RV10B19 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 80 | RV10C4 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |



ตารางที่ 15 การเจริญที่อุณหภูมิ พีเอชต่างๆ และการผลิตเมดิเลชันของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | | | | | | | | | พีเอช | | | การผลิตเมดิเลชัน | | |
|----------|-----------|----------------|----|----|----|----|---|---|---|---|---|-------|----|----|-------------------------|---------------|--|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar | |
| 81 | RV10C6 | - | + | + | + | - | + | + | + | + | + | + | - | + | - | - | |
| 82 | RV2A2 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 83 | RV3A31 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | - | |
| 84 | RV3A38 | - | + | + | + | - | + | + | + | + | + | + | - | + | - | - | |
| 85 | RV3B5 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | - | |
| 86 | RV4A14 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | |
| 87 | RV4A33 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | - | |
| 88 | RV4A38 | - | + | + | + | - | + | + | + | + | + | + | - | + | - | - | |
| 89 | RV4A39 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | |
| 90 | RV4A45 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 91 | RV5A13 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | - | |
| 92 | RV5A14 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | |
| 93 | RV5A17 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 94 | RV6B4 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | |
| 95 | RV8B3 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | |
| 96 | RV8B8 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 97 | RV8B16 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | + | |
| 98 | RV10B9 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | + | |

ตารางที่ 16 การเจริญที่อุณหภูมิ พีเอชต่างๆ และการผลิตเม็ตซิสเมลาโนของเชื้อสเตรปโตมัยซีทจากเกาะตุรเคา

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | | | | | | | | | พีเอช | | | การผลิตเม็ตซิสเมลาโน | |
|----------|-----------|----------------|----|----|----|----|---|---|---|---|---|-------|----|----|-------------------------|---------------|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar |
| 1 | TS3B1 | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 2 | TS3B3 | + | + | + | + | + | + | + | + | + | + | + | - | + | + | |
| 3 | TS3B4 | + | + | + | + | + | + | + | + | + | + | + | - | - | - | |
| 4 | TS3B6 | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 5 | TS3B9 | + | + | + | + | - | + | + | + | + | + | + | - | + | + | |
| 6 | TS3B10 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | |
| 7 | TS3B11 | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 8 | TS3B12 | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 9 | TS3B13 | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 10 | TS3B15 | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 11 | TS3C1 | + | + | + | + | + | + | + | + | + | + | + | - | - | - | |
| 12 | TS3C2 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | |
| 13 | TS3C3 | + | + | + | + | + | + | + | + | + | + | + | - | - | - | |
| 14 | TS3C4 | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 15 | TS4A1 | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 16 | TS4A2 | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 17 | TS4A3 | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 18 | TS4A4 | + | + | + | + | - | - | + | + | + | + | + | + | + | - | |
| 19 | TS4A5 | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 20 | TS4A6 | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |

ตารางที่ 16 การเจริญที่อุณหภูมิ พีเอชต่างๆ และการผลิตเมตาบอไลต์ของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | | | พีเอช | | | | | | | | | | | การผลิตเมตาบอไลต์ | |
|----------|-----------|----------------|----|----|----|-------|---|---|---|---|---|---|----|----|-------------------------|---------------|-------------------|--|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar | | |
| 21 | TS4A7 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | - | | |
| 22 | TS4A8 | + | + | + | + | - | - | + | + | + | + | + | - | + | + | - | | |
| 23 | TS4C2 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | - | | |
| 24 | TS4C3 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | - | | |
| 25 | TS5C1 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - | | |
| 26 | TS5C4 | - | + | + | + | - | - | + | + | + | + | + | + | + | - | - | | |
| 27 | TS5C6 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - | | |
| 28 | TS5C7 | - | + | + | + | - | + | + | + | + | + | + | - | + | + | + | | |
| 29 | TS7A1 | - | + | + | + | + | - | + | + | + | + | + | + | + | - | - | | |
| 30 | TS7A2 | - | + | + | + | + | - | + | + | + | + | + | + | + | - | - | | |
| 31 | TS12B1 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | | |
| 32 | TS12B2 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | - | | |
| 33 | TS12B5 | + | + | + | + | + | + | + | + | + | + | + | - | + | + | - | | |
| 34 | TS12B6 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | - | | |
| 35 | TS12B7 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | - | | |
| 36 | TS12B8 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | - | | |
| 37 | TS12B9 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| 38 | TS12B10 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + | | |
| 39 | TS12B14 | - | + | + | + | - | - | + | + | + | + | + | + | + | + | + | | |
| 40 | TS12C4 | + | + | + | + | + | - | + | + | + | + | + | - | + | + | + | | |

ตารางที่ 16 การเจริญที่อุณหภูมิ พีเอชต่างๆ และการผลิตเมทานอลของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | | | | | | | | | การผลิตเมทานอล | | | | |
|----------|-----------|---------------|----|----|----|----|---|---|---|---|---|----------------|----|----|-------------------------|---------------|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar |
| 41 | TS15B1 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | - |
| 42 | TS25Aa9 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 43 | TS25Aa11 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 44 | TS25Aa12 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 45 | TS26Bb2 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 46 | TS26Bb3 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | + |
| 47 | TS26Bb5 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 48 | TS26Bb6 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 49 | TS26Bb9 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | + |
| 50 | TS26Bb11 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 51 | TS26Bb12 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | + |
| 52 | TS26Bb13 | + | + | + | + | - | - | - | - | - | - | - | - | - | - | + |
| 53 | TS26Bb16 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | + |
| 54 | TS26Bb31 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 55 | TS26Bb33 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 56 | TS26Bb36 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 57 | TS26Bb42 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 58 | TS26Bb43 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 59 | TS26Bb44 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 60 | TS26Bb49 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 16 การเจริญที่อุณหภูมิ พีเอชต่างๆ และการผลิตเมดิเอชันของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | | | | | | | | | พีเอช | | | | การผลิตเมดิเอชัน | |
|----------|-----------|----------------|----|----|----|----|---|---|---|---|---|-------|----|----|-------------------------|------------------|--|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar | |
| 61 | TS26Bb63 | - | + | + | + | - | + | + | + | + | + | + | + | - | + | + | |
| 62 | TS26Bb72 | - | + | + | + | - | + | + | + | + | + | + | + | - | + | + | |
| 63 | TS26Bb74 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | + | |
| 64 | TS26Bb75 | - | + | + | + | - | + | + | + | + | + | + | + | - | + | + | |
| 65 | TS26Bb81 | - | + | + | + | - | - | + | + | + | + | + | + | - | + | + | |
| 66 | TS26Bb85 | - | + | + | + | - | - | + | + | + | + | + | + | - | + | + | |
| 67 | TS26Bb89 | - | + | + | + | - | - | + | + | + | + | + | + | - | + | + | |
| 68 | TS26Bb94 | - | + | + | + | - | - | + | + | + | + | + | + | - | + | + | |
| 69 | TS26Bb97 | - | + | + | + | - | - | + | + | + | + | + | + | - | + | + | |
| 70 | TS26Ca7 | - | + | + | + | - | + | + | + | + | + | + | + | - | - | - | |
| 71 | TS26Ca12 | + | + | + | + | - | - | + | + | + | + | + | + | - | + | - | |
| 72 | TS26Ca13 | - | + | + | + | - | - | + | + | + | + | + | + | - | + | + | |
| 73 | TS26Ca14 | + | + | + | + | - | - | + | + | + | + | + | + | + | + | + | |
| 74 | TS26Ca15 | - | + | + | + | - | - | + | + | + | + | + | + | - | + | + | |
| 75 | TS26Ca16 | - | + | + | + | - | - | + | + | + | + | + | + | - | + | + | |
| 76 | TS26Ca23 | - | + | + | + | - | - | + | + | + | + | + | + | - | + | + | |
| 77 | TS26Ca26 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + | |
| 78 | TS26Cb3 | - | + | + | + | - | - | + | + | + | + | + | + | + | + | + | |
| 79 | TS26Cb10 | - | + | + | + | - | + | + | + | + | + | + | + | - | + | + | |
| 80 | TS26Cb13 | - | + | + | + | - | - | + | + | + | + | + | + | + | + | + | |

ตารางที่ 16 การเจริญที่อุณหภูมิ ฟีเอชต่างๆ และการผลิตเม็ดสีเมลานินของเชื้อสเตรปโตมัยซีทจากภาวะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | | | | | | | | | ฟีเอช | | | การผลิตเม็ดสีเมลานิน | | |
|----------|-----------|----------------|----|----|----|----|---|---|---|---|---|-------|----|----|-------------------------|---------------|---|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar | |
| 81 | TS26Cb14 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 82 | TS1B5 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - |
| 83 | TS3B2 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - |
| 84 | TS3B7 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + |
| 85 | TS4C1 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - |
| 86 | TS12B3 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 87 | TS12C1 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 88 | TS12C2 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 89 | TS12C5 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 90 | TS12C9 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 91 | TS26Bb8 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - |
| 92 | TS26Bb21 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - |
| 93 | TS26Bb22 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - |
| 94 | TS26Bb76 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - |
| 95 | TS26Bb77 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - |
| 96 | TS26Bb79 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + |
| 97 | TS26Bb80 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + |
| 98 | TS26Bb86 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + |
| 99 | TS26Bb92 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + |
| 100 | TS26Ca2 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | - |

ตารางที่ 16 การเจริญที่อุณหภูมิ พีเอชต่างๆ และการผลิตเมดิแอสเมลาไนของเชื้อสเตรปโตค็อกคัสจากเกาะตระรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | | | | | | | | | พีเอช | | | การผลิตเมดิแอสเมลาไน | |
|----------|-----------|----------------|----|----|----|----|---|---|---|---|---|-------|----|----|-------------------------|---------------|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar |
| 101 | TS26Ca21 | - | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 102 | TS26Ca27 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | |
| 103 | TS26Cb5 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | |
| 104 | TS26Cb7 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | |
| 105 | TS26Cb11 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | |
| 106 | TS26Cb15 | - | + | + | + | - | + | + | + | + | + | + | + | + | + | |
| 107 | TS3C6 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | |
| 108 | TS4Ba1 | - | + | + | + | - | - | + | + | + | + | + | + | - | - | |
| 109 | TS4Ba2 | - | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 110 | TS4Ba3 | - | + | + | + | - | - | + | + | + | + | + | + | - | - | |
| 111 | TS4C2ST | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 112 | TS4C4ST | + | + | + | + | - | - | + | + | + | + | + | + | - | - | |
| 113 | TS4C5ST | + | + | + | + | - | - | + | + | + | + | + | + | - | - | |
| 114 | TS4C7ST | - | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 115 | TS4C9ST | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 116 | TS4C10ST | + | + | + | + | - | - | + | + | + | + | + | + | - | - | |
| 117 | TS4C11ST | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 118 | TS4C13ST | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 119 | TS4Ca1 | + | + | + | + | - | + | + | + | + | + | + | + | - | - | |
| 120 | TS4Ca2 | - | + | + | + | - | + | + | + | + | + | + | + | - | - | |

ตารางที่ 16 การเจริญที่อุณหภูมิ พีเอชต่าง ๆ และการผลิตเม็ตซิสลานีนของเชื้อสเตรปโตมัยซีทีจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | | | | | | | | | พีเอช | | | | | | การผลิตเม็ตซิสลานีน | |
|----------|-----------|----------------|----|----|----|----|---|---|---|---|---|-------|----|----|----|-------------------------|---------------|---------------------|--|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 11 | Peptone yeast iron agar | Tyrosine agar | | |
| 121 | TS4Ca3 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | - | | | |
| 122 | TS4Cb4 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - | | | |
| 123 | TS8Ba1 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - | | | |
| 124 | TS8Bb2 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - | | | |
| 125 | TS8C1ST | + | + | + | + | - | - | + | + | + | + | + | + | + | - | - | | | |
| 126 | TS10B1ST | - | + | + | + | - | + | + | + | + | + | + | + | + | - | + | | | |
| 127 | TS10C1ST | - | + | + | + | - | - | + | + | + | + | + | + | + | - | - | | | |
| 128 | TS13Aa9 | - | + | + | + | - | - | + | + | + | + | + | + | + | + | + | | | |
| 129 | TS13B1ST | - | + | + | + | + | - | + | + | + | + | + | + | + | + | + | | | |
| 130 | TS13B2ST | - | + | + | + | + | - | + | + | + | + | + | + | - | - | - | | | |
| 131 | TS13B3ST | + | + | + | + | + | - | + | + | + | + | + | + | + | + | + | | | |
| 132 | TS13Ba1 | - | + | + | + | - | - | + | + | + | + | + | + | - | + | - | | | |
| 133 | TS13Ba6 | + | + | + | + | - | - | + | + | + | + | + | + | + | + | - | | | |
| 134 | TS17Bb1 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | | | |
| 135 | TS17Bb1Y | + | + | + | + | + | - | + | + | + | + | + | + | + | - | - | | | |
| 136 | TS17Bb3 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | | | |
| 137 | TS17Bb5 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | | | |
| 138 | TS17Ca1 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + | | | |
| 139 | TS17Ca5 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | | | |
| 140 | TS17Ca6 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - | | | |

ตารางที่ 16 การเจริญที่อุณหภูมิ พีเอชต่างๆ และการผลิตเมลานินของเชื้อสเตรปโตมัยซีทีจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | อุณหภูมิ (°C) | | | | | | | | | | การผลิตเมลานิน | | | | |
|----------|-----------|----------------|----|----|----|----|---|---|---|---|---|----------------|----|----|-------------------------|---------------|
| | | 10 | 20 | 28 | 37 | 45 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Peptone yeast iron agar | Tyrosine agar |
| 141 | TS17Ca7 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 142 | TS17Ca8 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 143 | TS17Ca12 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 144 | TS18Ab1 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 145 | TS20Ba10 | + | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 146 | TS20Bb2 | - | + | + | + | - | + | + | + | + | + | + | + | + | - | - |
| 147 | TS20Cb6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - |
| 148 | TS26Bb40 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 17 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทจากเกาะอาดัง

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Meiz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 1 | AD1A1 | + | + | - | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + |
| 2 | AD1B1 | - | + | + | + | + | + | - | + | + | + | - | + | + | + | + | + | + | + |
| 3 | AD1B3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 4 | AD1B4 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 5 | AD1B5 | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | - |
| 6 | AD1B7 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | + |
| 7 | AD1B8 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + |
| 8 | AD1B9 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 9 | AD1B10 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | - | + |
| 10 | AD1B11 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | - | + |
| 11 | AD1B12 | - | + | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + |
| 12 | AD1B13 | + | + | - | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + |
| 13 | AD1B14 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + |
| 14 | AD1B16 | - | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - |
| 15 | AD3B1 | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + |
| 16 | AD3C1 | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + |
| 17 | AD6A4 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 18 | AD7A2 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 17 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีท์จากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------------------|------|------|------|------|-----|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inul | Lact | Mant | Mans | Meiz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 19 | AD7A6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 20 | AD7A8 | + | + | - | + | + | + | - | + | + | + | - | + | + | + | + | + | + |
| 21 | AD9B1 | + | + | - | + | + | + | + | + | - | + | - | + | + | + | + | + | + |
| 22 | AD9B2 | + | + | + | + | + | + | + | + | + | - | + | - | + | + | + | + | + |
| 23 | AD9B3 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + |
| 24 | AD9B4 | - | - | - | - | - | - | - | - | - | - | + | + | - | + | + | - | - |
| 25 | AD9C1 | + | + | - | + | + | + | - | + | + | - | - | + | + | + | + | + | + |
| 26 | AD10B1 | + | + | + | + | + | + | - | + | + | - | + | + | + | + | + | + | + |
| 27 | AD11A1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 28 | AD11A3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - |
| 29 | AD11A4 | - | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - |
| 30 | AD11A5 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 31 | AD11A7 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 32 | AD11A9 | + | + | - | + | + | + | + | + | + | - | + | - | + | + | + | + | + |
| 33 | AD11A12 | - | + | + | - | + | + | + | + | + | - | - | - | + | + | + | + | + |
| 34 | AD11A13 | - | + | + | - | + | + | + | + | + | - | - | - | + | + | + | + | + |
| 35 | AD11A14 | - | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 36 | AD11B4 | - | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 17 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีที่จากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Meiz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 37 | AD11B5 | - | + | + | + | + | + | + | - | + | + | + | + | + | + | + | + | - | + |
| 38 | AD11B6 | - | + | + | + | + | + | - | + | + | + | + | + | + | - | + | + | - | + |
| 39 | AD11C1 | - | + | - | + | + | + | - | + | + | + | - | - | - | - | - | + | + | - |
| 40 | AD1C1ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 41 | AD1C2ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 42 | AD1C4ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 43 | AD3B1ST | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | - |
| 44 | AD3B2ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 45 | AD3B3ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 46 | AD3C2ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 47 | AD4A4ST | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 48 | AD4B1ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 49 | AD4B2ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 50 | AD4B3ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 51 | AD4B6ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 52 | AD4B8ST | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 53 | AD6B3ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 54 | AD6B4ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 17 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีที่จากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|---|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Meiz | Raf | Rham | Suc | Tre | Xylt | Xyls | |
| 55 | AD6B5ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 56 | AD6B13ST | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 57 | AD7B5ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 58 | AD7C1ST | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 59 | AD7C2ST | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | + | + | + |
| 60 | AD11B2ST | - | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 18 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทจากเกาะราวี

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Meiz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 1 | RV1A1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 2 | RV1A2 | + | + | - | + | + | + | + | + | + | - | + | + | + | + | + | + | + | + |
| 3 | RV1A3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 4 | RV1A14 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 5 | RV1A18 | - | + | + | + | + | + | - | - | - | + | + | - | + | - | - | - | - | - |
| 6 | RV1A22 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 7 | RV1B3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 8 | RV1B4 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | + |
| 9 | RV2A1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 10 | RV2A4 | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | + | + |
| 11 | RV2A5 | - | + | + | - | - | + | - | + | + | + | - | - | + | + | + | - | - | - |
| 12 | RV2A6 | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | - | + | - |
| 13 | RV2A7 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 14 | RV2A8 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 15 | RV2A9 | - | + | - | - | - | + | - | + | + | + | - | - | - | - | - | - | - | - |
| 16 | RV2C4 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - |
| 17 | RV3A11 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 18 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีท์จากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|----------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Melz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 18 | RV3A26 | + | + | + | + | - | + | - | + | + | - | - | + | + | + | - | + | + | + |
| 19 | RV3A28 | + | - | - | - | + | + | - | - | + | - | - | + | + | - | - | + | + | - |
| 20 | RV3A32 | + | + | + | + | + | + | - | + | + | + | + | + | + | - | - | + | + | + |
| 21 | RV3A40 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | + | + | + |
| 22 | RV3A44 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 23 | RV3A49 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 24 | RV3A52 | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | + | + | + |
| 25 | RV3B11 | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | + | + |
| 26 | RV3B14 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 27 | RV4A1 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | + | + | + |
| 28 | RV4A3 | - | - | + | - | - | - | - | - | + | + | + | - | + | + | + | - | - | - |
| 29 | RV4A4 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | + | + | + |
| 30 | RV4A5 | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | + | + |
| 31 | RV4A6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 32 | RV4A8 | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | + | + | + |
| 33 | RV4A10 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 34 | RV4A12 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 18 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีท์จากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|---|---|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Melz | Raf | Rham | Suc | Tre | Xylt | Xyls | | |
| 35 | RV4A17 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| 36 | RV4A18 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 37 | RV4A20 | + | + | + | + | + | + | + | + | + | - | + | + | + | + | - | + | + | + | + | + |
| 38 | RV4A21 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 39 | RV4A22 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 40 | RV4A23 | + | + | + | - | + | + | + | + | - | + | + | + | + | + | + | + | + | + | - | + |
| 41 | RV4A27 | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + |
| 42 | RV4A28 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 43 | RV4A29 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 44 | RV4A30 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + |
| 45 | RV4A34 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 46 | RV4A35 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 47 | RV4A37 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 48 | RV4A40 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 49 | RV4A42 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 50 | RV4B1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 51 | RV5A1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 18 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีท์จากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|----------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Meiz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 52 | RV5A8 | - | + | + | + | + | + | + | + | - | - | + | + | + | + | - | + | + | + |
| 53 | RV5A9 | - | + | + | + | + | + | + | + | - | - | + | + | + | + | - | + | + | + |
| 54 | RV5A15 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 55 | RV5A20 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 56 | RV5A21 | + | + | + | + | - | + | + | + | + | + | - | - | + | + | + | + | + | + |
| 57 | RV5A22 | + | + | + | + | - | - | + | + | + | + | + | + | + | - | - | + | + | + |
| 58 | RV5B4 | + | + | + | + | + | + | + | + | - | - | + | + | + | - | - | + | + | + |
| 59 | RV5C1 | - | + | + | + | + | + | + | + | - | - | + | + | + | - | - | + | - | + |
| 60 | RV5C2 | + | + | + | + | - | - | + | + | + | + | - | + | + | - | - | + | + | + |
| 61 | RV5C3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 62 | RV7C3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 63 | RV7C6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 64 | RV8B2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 65 | RV8B4 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 66 | RV8B7 | + | + | + | + | + | - | + | + | + | + | + | + | + | + | - | + | + | + |
| 67 | RV8B9 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 68 | RV8B10 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 18 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|---|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Melz | Raf | Rham | Suc | Tre | Xylt | Xyls | |
| 69 | RV8B11 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 70 | RV8B12 | - | - | + | + | - | + | - | + | + | + | + | + | + | + | - | - | - | - | + |
| 71 | RV8B13 | - | - | + | - | + | + | - | + | + | + | + | - | - | - | - | - | - | - | - |
| 72 | RV9C1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 73 | RV10A30 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 74 | RV10A35 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 75 | RV10A39 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 76 | RV10B3 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 77 | RV10B14 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 78 | RV10B17 | + | - | - | + | - | - | - | - | - | - | - | - | - | + | - | - | + | - | - |
| 79 | RV10B19 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 80 | RV10C4 | + | - | - | + | - | - | - | - | - | - | - | + | + | + | - | + | + | + | + |
| 81 | RV10C6 | + | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 82 | RV2A2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 83 | RV3A31 | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | + | + | - | - |
| 84 | RV3A38 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 85 | RV3B5 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 18 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Meiz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 86 | RV4A14 | + | + | + | - | - | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 87 | RV4A33 | + | + | + | - | + | + | + | + | + | - | + | + | - | + | + | + | + | + |
| 88 | RV4A38 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 89 | RV4A39 | - | - | - | - | - | + | - | + | - | + | + | - | - | - | - | - | - | + |
| 90 | RV4A45 | - | + | - | - | + | + | + | + | + | + | + | + | + | - | - | + | + | + |
| 91 | RV5A13 | + | - | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 92 | RV5A14 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | + | + | + |
| 93 | RV5A17 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 94 | RV6B4 | + | - | - | + | - | + | - | - | - | - | - | + | - | - | - | - | + | + |
| 95 | RV8B3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 96 | RV8B8 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 97 | RV8B16 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 98 | RV10B9 | + | + | - | - | + | + | + | + | + | + | + | + | + | - | - | + | + | + |

ตารางที่ 19 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีที่หากเกาะตะรุเตา

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | | |
|----------|-----------|----------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|---|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Melz | Raf | Rham | Suc | Tre | Xylt | Xyls | |
| 1 | TS3B1 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 2 | TS3B3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 3 | TS3B4 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 4 | TS3B6 | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | + | + | + |
| 5 | TS3B9 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 6 | TS3B10 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 7 | TS3B11 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 8 | TS3B12 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 9 | TS3B13 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 10 | TS3B15 | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 11 | TS3C1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 12 | TS3C2 | + | + | + | - | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + |
| 13 | TS3C3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 14 | TS3C4 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 15 | TS4A1 | + | + | + | + | + | + | - | + | + | + | - | + | + | + | + | + | + | + | + |
| 16 | TS4A2 | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | + |
| 17 | TS4A3 | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 19 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Meiz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 18 | TS4A4 | - | - | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | - |
| 19 | TS4A5 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 20 | TS4A6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 21 | TS4A7 | + | + | + | - | + | + | - | + | + | + | + | + | + | + | + | + | + | + |
| 22 | TS4A8 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 23 | TS4C2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 24 | TS4C3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 25 | TS5C1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 26 | TS5C4 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 27 | TS5C6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 28 | TS5C7 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 29 | TS7A1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 30 | TS7A2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 31 | TS12B1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 32 | TS12B2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + |
| 33 | TS12B5 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 34 | TS12B6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 19 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|----------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Melz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 35 | TS12B7 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 36 | TS12B8 | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + |
| 37 | TS12B9 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 38 | TS12B10 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 39 | TS12B14 | - | - | + | + | + | + | - | + | - | + | + | + | - | + | + | + | + | - |
| 40 | TS12C4 | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + |
| 41 | TS15B1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 42 | TS25Aa9 | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 43 | TS25Aa11 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + |
| 44 | TS25Aa12 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 45 | TS26Bb2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 46 | TS26Bb3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + |
| 47 | TS26Bb5 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 48 | TS26Bb6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 49 | TS26Bb9 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 50 | TS26Bb11 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 51 | TS26Bb12 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + |

ตารางที่ 19 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทีจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Melz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 52 | TS26Bb13 | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 53 | TS26Bb16 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 54 | TS26Bb31 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 55 | TS26Bb33 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 56 | TS26Bb36 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 57 | TS26Bb42 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 58 | TS26Bb43 | + | + | - | + | + | + | + | + | + | + | + | + | + | - | - | + | + | + |
| 59 | TS26Bb44 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + |
| 60 | TS26Bb49 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + |
| 61 | TS26Bb63 | + | - | + | + | - | + | + | + | + | + | + | + | + | + | - | + | + | + |
| 62 | TS26Bb72 | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 63 | TS26Bb74 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + |
| 64 | TS26Bb75 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + |
| 65 | TS26Bb81 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 66 | TS26Bb85 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 67 | TS26Bb89 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 68 | TS26Bb94 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 19 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|----------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Melz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 69 | TS26Bb97 | + | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + |
| 70 | TS26Ca7 | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 71 | TS26Ca12 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 72 | TS26Ca13 | + | + | + | + | + | + | - | + | + | + | + | + | + | - | + | + | + | + |
| 73 | TS26Ca14 | + | + | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + |
| 74 | TS26Ca15 | + | + | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + |
| 75 | TS26Ca16 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 76 | TS26Ca23 | + | + | + | + | + | + | - | + | + | + | + | + | + | + | - | + | + | + |
| 77 | TS26Ca26 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 78 | TS26Cb3 | + | + | + | + | + | + | - | + | + | + | + | + | + | + | - | + | + | + |
| 79 | TS26Cb10 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 80 | TS26Cb13 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 81 | TS26Cb14 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 82 | TS1B5 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + |
| 83 | TS3B2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 84 | TS3B7 | - | + | - | + | + | + | + | + | - | + | + | + | + | - | - | - | + | + |
| 85 | TS4C1 | - | + | - | + | + | - | + | + | + | + | + | + | + | - | - | + | + | + |

ตารางที่ 19 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทจากเกาะตุรเดา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Melz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 86 | TS12B3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 87 | TS12C1 | - | + | + | - | - | + | - | + | + | + | + | + | + | + | + | - | + | + |
| 88 | TS12C2 | + | - | + | + | - | + | + | + | + | + | + | + | + | + | - | + | + | + |
| 89 | TS12C5 | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 90 | TS12C9 | + | + | + | + | - | + | + | + | + | - | + | + | + | + | - | + | + | + |
| 91 | TS26Bb8 | + | - | - | + | - | - | + | + | + | - | + | + | + | + | - | + | + | + |
| 92 | TS26Bb21 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 93 | TS26Bb22 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 94 | TS26Bb76 | - | + | - | - | + | + | - | - | + | + | + | + | + | + | + | + | + | + |
| 95 | TS26Bb77 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 96 | TS26Bb79 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 97 | TS26Bb80 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 98 | TS26Bb86 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 99 | TS26Bb92 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 100 | TS26Ca2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 101 | TS26Ca21 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 102 | TS26Ca27 | + | + | - | + | + | - | + | + | + | - | + | + | + | + | - | + | + | + |

ตารางที่ 19 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีท์จากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|----------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Melz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 103 | TS26Cb5 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 104 | TS26Cb7 | + | - | - | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + |
| 105 | TS26Cb11 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 106 | TS26Cb15 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 107 | TS3C6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 108 | TS4Ba1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 109 | TS4Ba2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 110 | TS4Ba3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 111 | TS4C2ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 112 | TS4C4ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 113 | TS4C5ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 114 | TS4C7ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 115 | TS4C9ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 116 | TS4C10ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 117 | TS4C11ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 118 | TS4C13ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 119 | TS4Ca1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 19 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|----------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|-------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Melz | Raf | Rham | Suc | Tre | Xylit | Xyls |
| 120 | TS4Ca2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 121 | TS4Ca3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 122 | TS4Cb4 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 123 | TS8Ba1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 124 | TS8Bb2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 125 | TS8C1ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 126 | TS10B1ST | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 127 | TS10C1ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 128 | TS13Aa9 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 129 | TS13B1ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 130 | TS13B2ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 131 | TS13B3ST | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 132 | TS13Ba1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 133 | TS13Ba6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 134 | TS17Bb1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 135 | TS17Bb1Y | + | + | - | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + |
| 136 | TS17Bb3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 19 การเจริญในแหล่งคาร์บอนชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทีจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญอาหารที่เติมแหล่งคาร์บอน | | | | | | | | | | | | | | | | | |
|----------|-----------|----------------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-----|-----|------|------|
| | | Adon | Arab | Cell | Dext | Fruc | Gal | Inos | Inul | Lact | Mant | Mans | Melz | Raf | Rham | Suc | Tre | Xylt | Xyls |
| 137 | TS17Bb5 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 138 | TS17Ca1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 139 | TS17Ca5 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 140 | TS17Ca6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 141 | TS17Ca7 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 142 | TS17Ca8 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 143 | TS17Ca12 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 144 | TS18Ab1 | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 145 | TS20Ba10 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 146 | TS20Bb2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 147 | TS20Cb6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 148 | TS26Bb40 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

หมายเหตุ Adon= Adonitol, Arab= L-arabinose, Cell= Cellobiose, Dext= Dextran, Fruc= D-fructose, Gal= D-galactose, Inos= Meso-inositol, Inul= Inulin,

Lact= D-lactose, Mant= Mannitol, Mans= D-Mannose, Melz= D-melezitose, Raf= Raffinose, Rham= L-Rhamnose, Suc= Sucrose, Tre= Trehalose,

Xylt= Xylitol, Xyls= D-xylose



ตารางที่ 20 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีทจากเกาะอาดัง

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | การทดสอบทางชีวเคมี | | | | |
|----------|-----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|--------------------|---------|------|-------------------|---|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction | |
| 1 | AD1A1 | + | + | + | + | + | + | + | + | + | - | - | + | + | + | - |
| 2 | AD1B1 | + | + | + | + | + | + | + | + | + | - | - | + | + | - | + |
| 3 | AD1B3 | + | + | + | + | + | + | + | + | + | - | - | + | + | - | - |
| 4 | AD1B4 | + | + | + | + | + | + | + | + | + | - | + | + | + | - | - |
| 5 | AD1B5 | + | + | + | + | + | + | + | + | + | - | + | + | + | - | - |
| 6 | AD1B7 | + | + | + | + | + | + | + | + | + | - | - | + | + | - | - |
| 7 | AD1B8 | + | + | + | - | + | + | + | + | + | + | + | + | + | + | - |
| 8 | AD1B9 | + | - | - | + | + | + | + | + | + | + | + | + | + | + | - |
| 9 | AD1B10 | + | + | + | + | + | + | + | + | + | + | - | + | + | - | + |
| 10 | AD1B11 | + | + | + | + | + | + | + | + | + | - | - | + | + | - | - |
| 11 | AD1B12 | + | + | + | + | + | + | + | + | + | - | - | + | - | - | - |
| 12 | AD1B13 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 13 | AD1B14 | + | + | + | + | + | + | + | - | + | - | - | + | + | - | - |
| 14 | AD1B16 | + | + | + | + | + | + | + | + | + | - | + | + | + | + | - |
| 15 | AD3B1 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + |
| 16 | AD3C1 | + | + | + | - | + | + | + | + | + | + | + | + | + | + | - |
| 17 | AD6A4 | + | + | + | + | + | + | + | + | + | - | - | + | + | + | - |
| 18 | AD7A2 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 19 | AD7A6 | + | + | - | + | - | + | + | + | + | - | - | + | + | - | + |
| 20 | AD7A8 | + | + | + | + | + | + | + | + | + | - | - | + | + | + | - |

ตารางที่ 20 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีทจากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | | การทดสอบทางชีวเคมี | | | | |
|----------|-----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|-----|--------------------|------|-------------------|---|--|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction | | |
| 21 | AD9B1 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 22 | AD9B2 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | |
| 23 | AD9B3 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 24 | AD9B4 | - | - | - | + | - | - | - | - | - | - | - | + | + | + | + | |
| 25 | AD9C1 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 26 | AD10B1 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | |
| 27 | AD11A1 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 28 | AD11A3 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | |
| 29 | AD11A4 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 30 | AD11A5 | + | + | - | + | + | + | + | + | + | + | - | + | + | + | - | |
| 31 | AD11A7 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 32 | AD11A9 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 33 | AD11A12 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 34 | AD11A13 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 35 | AD11A14 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 36 | AD11B4 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 37 | AD11B5 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 38 | AD11B6 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | |
| 39 | AD11C1 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | + | |
| 40 | AD1C1ST | + | - | + | + | + | + | + | + | + | + | - | + | + | + | + | |

ตารางที่ 20 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีทจากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การทดสอบทางชีวเคมี | | | | | | | | | | | | | |
|----------|-----------|--------------------|------|-----|-----|------|-----|-------|-----|---------|---------|-----|---------|------|-------------------|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction |
| 41 | AD1C2ST | + | - | + | + | + | + | + | + | - | - | + | + | + | - |
| 42 | AD1C4ST | - | + | - | - | + | + | + | + | + | - | - | + | + | - |
| 43 | AD3B1ST | - | - | - | - | - | - | - | - | + | - | - | + | - | + |
| 44 | AD3B2ST | + | + | - | + | + | + | + | - | - | + | - | - | - | + |
| 45 | AD3B3ST | + | + | - | - | + | + | + | - | + | - | + | + | + | + |
| 46 | AD3C2ST | + | + | - | - | - | + | + | - | + | + | + | + | + | - |
| 47 | AD4A4ST | + | + | - | + | + | + | + | + | + | - | - | + | + | + |
| 48 | AD4B1ST | - | + | - | + | + | + | + | + | - | - | + | + | + | + |
| 49 | AD4B2ST | + | + | - | + | + | + | + | + | + | - | + | + | + | + |
| 50 | AD4B3ST | + | + | - | + | + | + | + | + | + | - | - | + | + | + |
| 51 | AD4B6ST | - | - | - | + | + | + | + | - | - | - | + | + | + | - |
| 52 | AD4B8ST | - | + | - | - | - | + | + | - | - | - | - | - | + | + |
| 53 | AD6B3ST | + | + | - | - | + | + | + | + | + | - | + | + | + | - |
| 54 | AD6B4ST | + | + | - | + | + | + | + | + | + | - | + | + | + | + |
| 55 | AD6B5ST | + | + | - | + | + | + | + | + | + | - | - | + | + | + |
| 56 | AD6B13ST | - | - | - | - | - | + | + | + | + | - | - | + | + | - |
| 57 | AD7B5ST | + | + | + | + | + | + | + | + | + | - | + | + | + | + |
| 58 | AD7C1ST | + | + | - | + | + | + | + | + | - | + | + | - | - | - |
| 59 | AD7C2ST | - | - | - | + | + | + | + | - | - | - | + | + | + | - |
| 60 | AD11B2ST | + | + | + | + | + | + | + | + | - | - | + | + | + | - |

ตารางที่ 21 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีท์จากเกาะราวี

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | | | | การทดสอบทางชีวเคมี | | | | |
|----------|-----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|-----|---------|------|--------------------|---|--|--|--|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction | | | | |
| 1 | RV1A1 | + | - | - | + | - | + | + | + | + | + | + | + | - | - | - | | | |
| 2 | RV1A2 | + | + | + | + | + | + | + | + | + | + | + | + | - | - | + | | | |
| 3 | RV1A3 | + | - | + | + | - | + | + | + | - | + | - | - | - | - | - | | | |
| 4 | RV1A14 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | | | |
| 5 | RV1A18 | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | | | |
| 6 | RV1A22 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| 7 | RV1B3 | + | + | + | + | + | + | + | + | - | + | + | + | + | - | - | | | |
| 8 | RV1B4 | + | + | + | + | + | - | + | + | - | + | + | + | - | - | - | | | |
| 9 | RV2A1 | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | | | |
| 10 | RV2A4 | + | + | + | - | + | + | + | + | + | + | + | + | + | + | + | | | |
| 11 | RV2A5 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + | | | |
| 12 | RV2A6 | + | - | - | + | - | - | - | - | + | + | + | + | + | - | - | | | |
| 13 | RV2A7 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| 14 | RV2A8 | + | + | + | + | + | + | + | + | + | + | - | + | + | - | - | | | |
| 15 | RV2A9 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| 16 | RV2C4 | + | + | + | + | + | - | + | + | - | + | + | + | - | - | - | | | |
| 17 | RV3A11 | + | + | + | + | + | + | + | + | + | + | - | + | + | - | - | | | |
| 18 | RV3A26 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + | | | |
| 19 | RV3A28 | + | + | + | + | + | + | + | + | - | + | + | + | - | - | - | | | |
| 20 | RV3A32 | + | - | + | + | - | + | + | + | - | + | + | + | + | + | + | | | |

ตารางที่ 21 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีท์จากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การทดสอบทางชีวเคมี | | | | | | | | | | | | | |
|----------|-----------|--------------------|------|-----|-----|------|-----|-------|-----|---------|---------|-----|---------|------|-------------------|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction |
| 21 | RV3A40 | + | + | + | + | + | + | + | + | + | - | + | + | + | + |
| 22 | RV3A44 | + | + | + | + | + | + | + | + | + | - | + | + | + | + |
| 23 | RV3A49 | + | + | + | + | + | - | - | + | + | - | + | + | + | + |
| 24 | RV3A52 | + | + | + | + | + | + | + | + | + | - | + | + | - | + |
| 25 | RV3B11 | + | + | + | + | + | + | + | + | + | - | + | + | + | - |
| 26 | RV3B14 | + | + | + | + | + | + | + | + | + | + | + | + | + | - |
| 27 | RV4A1 | + | + | + | + | + | + | + | + | + | + | + | - | - | - |
| 28 | RV4A3 | + | + | + | - | - | + | + | + | + | + | + | + | + | + |
| 29 | RV4A4 | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 30 | RV4A5 | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 31 | RV4A6 | + | + | + | + | + | + | + | + | + | - | + | + | - | - |
| 32 | RV4A8 | + | + | + | + | + | + | + | + | + | - | + | + | + | + |
| 33 | RV4A10 | + | + | + | + | + | + | + | + | + | + | + | + | + | - |
| 34 | RV4A12 | + | + | + | - | + | + | + | + | + | - | + | + | + | + |
| 35 | RV4A17 | + | + | + | + | + | + | + | + | + | - | + | + | + | - |
| 36 | RV4A18 | + | + | + | + | + | + | + | + | + | - | + | + | + | - |
| 37 | RV4A20 | + | + | + | - | + | + | + | + | + | - | + | + | + | - |
| 38 | RV4A21 | + | + | + | + | + | + | + | + | + | - | + | + | + | - |
| 39 | RV4A22 | + | + | + | + | + | + | + | + | + | - | + | - | - | + |
| 40 | RV4A23 | + | + | + | + | + | + | + | + | + | - | + | + | + | + |

ตารางที่ 21 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีท์จากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | การทดสอบทางชีวเคมี | | | | | |
|----------|-----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|--------------------|---------|------|-------------------|--|--|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction | | |
| 41 | RV4A27 | + | + | + | + | + | + | + | + | + | - | + | + | + | + | | |
| 42 | RV4A28 | + | + | + | + | + | + | + | + | + | - | + | + | + | - | | |
| 43 | RV4A29 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| 44 | RV4A30 | + | + | + | + | + | + | + | + | + | - | + | + | + | - | | |
| 45 | RV4A34 | + | - | - | + | + | + | - | + | + | - | + | + | + | - | | |
| 46 | RV4A35 | + | - | - | + | + | + | - | + | + | - | + | + | - | - | | |
| 47 | RV4A37 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | | |
| 48 | RV4A40 | + | - | - | + | + | + | - | + | + | - | + | + | + | - | | |
| 49 | RV4A42 | + | + | + | + | + | + | + | + | + | - | + | + | - | + | | |
| 50 | RV4B1 | + | - | - | + | + | + | - | + | + | - | + | + | + | + | | |
| 51 | RV5A1 | + | - | - | + | + | + | - | + | + | - | + | + | + | + | | |
| 52 | RV5A8 | + | - | - | + | + | + | - | + | + | - | + | + | + | + | | |
| 53 | RV5A9 | + | - | - | + | + | + | - | + | + | - | + | + | + | + | | |
| 54 | RV5A15 | + | - | - | + | + | + | - | + | + | + | + | + | + | + | | |
| 55 | RV5A20 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| 56 | RV5A21 | + | - | - | + | + | + | - | + | + | - | + | + | + | + | | |
| 57 | RV5A22 | + | - | - | + | + | + | - | + | + | - | + | + | + | + | | |
| 58 | RV5B4 | + | - | - | + | + | + | - | + | + | - | + | + | + | + | | |
| 59 | RV5C1 | + | - | - | + | + | + | - | + | + | - | + | + | + | + | | |
| 60 | RV5C2 | + | - | - | + | + | + | - | + | + | - | + | + | + | + | | |

ตารางที่ 21 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | | การทดสอบทางชีวเคมี | | | | |
|----------|-----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|-----|--------------------|------|-------------------|---|--|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction | | |
| 61 | RV5C3 | + | + | + | + | - | + | + | + | + | + | + | + | + | + | + | |
| 62 | RV7C3 | + | - | + | + | + | + | + | + | - | + | - | + | + | + | + | |
| 63 | RV7C6 | + | - | + | + | + | + | + | + | - | + | + | + | - | - | - | |
| 64 | RV8B2 | - | - | - | + | - | - | - | - | + | + | + | + | + | + | + | |
| 65 | RV8B4 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | |
| 66 | RV8B7 | + | - | - | + | - | + | - | + | - | + | + | + | + | - | - | |
| 67 | RV8B9 | + | - | - | - | - | - | - | - | - | + | + | + | + | - | - | |
| 68 | RV8B10 | + | + | + | + | + | + | + | + | - | + | + | + | + | - | - | |
| 69 | RV8B11 | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | |
| 70 | RV8B12 | - | - | - | + | - | - | - | - | + | + | + | + | + | + | + | |
| 71 | RV8B13 | + | - | + | + | - | - | - | - | + | + | + | + | + | + | + | |
| 72 | RV9C1 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 73 | RV10A30 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 74 | RV10A35 | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | |
| 75 | RV10A39 | + | + | + | + | + | + | + | + | - | + | + | + | + | + | + | |
| 76 | RV10B3 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 77 | RV10B14 | + | + | + | + | + | + | + | + | - | + | + | + | + | - | - | |
| 78 | RV10B17 | - | + | + | + | + | + | - | + | - | + | + | + | - | - | - | |
| 79 | RV10B19 | + | + | + | + | - | + | - | + | - | + | - | - | - | + | + | |
| 80 | RV10C4 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |

ตารางที่ 21 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | การทดสอบทางชีวเคมี | | | | |
|----------|-----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|--------------------|---------|------|-------------------|--|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction | |
| 81 | RV10C6 | + | + | + | + | - | + | + | + | + | - | + | - | + | - | |
| 82 | RV2A2 | + | - | - | - | - | - | - | - | + | + | + | + | + | + | |
| 83 | RV3A31 | + | - | - | + | - | - | - | - | + | + | + | + | + | + | |
| 84 | RV3A38 | + | - | - | + | - | + | + | + | - | - | - | - | - | - | |
| 85 | RV3B5 | - | + | + | + | - | + | + | + | - | + | + | + | + | - | |
| 86 | RV4A14 | + | + | + | + | + | + | + | + | + | + | + | - | - | + | |
| 87 | RV4A33 | + | - | + | + | - | + | - | - | - | + | + | - | - | - | |
| 88 | RV4A38 | - | - | - | - | - | - | + | + | - | + | + | - | + | + | |
| 89 | RV4A39 | + | - | - | + | - | - | + | + | + | + | - | + | + | + | |
| 90 | RV4A45 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | |
| 91 | RV5A13 | - | - | - | - | - | + | - | - | - | + | + | + | - | - | |
| 92 | RV5A14 | - | + | - | - | - | - | - | + | - | + | + | + | + | + | |
| 93 | RV5A17 | + | - | - | + | - | + | - | + | + | + | + | + | + | - | |
| 94 | RV6B4 | + | - | - | + | - | - | - | + | - | - | + | + | + | + | |
| 95 | RV8B3 | + | - | - | + | - | + | + | + | + | + | - | + | + | + | |
| 96 | RV8B8 | - | - | - | + | - | - | - | + | + | + | + | + | + | + | |
| 97 | RV8B16 | + | - | - | + | - | - | - | - | + | + | - | + | + | + | |
| 98 | RV10B9 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | |

ตารางที่ 22 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีทีจากเกาะตุรดูเตา

| ลำดับที่ | รหัสชื่อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | การทดสอบทางชีวเคมี | | | | | |
|----------|----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|--------------------|--------|------|-------------------|---|--|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esulin | Urea | Nitrate reduction | | |
| 1 | TS3B1 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 2 | TS3B3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | |
| 3 | TS3B4 | + | + | + | + | + | + | + | + | + | + | - | + | - | - | + | |
| 4 | TS3B6 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | |
| 5 | TS3B9 | + | + | + | + | - | - | + | + | + | + | + | + | + | - | - | |
| 6 | TS3B10 | + | + | + | + | + | - | + | + | + | + | + | + | + | + | - | |
| 7 | TS3B11 | + | + | + | - | - | + | + | + | + | + | - | + | + | + | - | |
| 8 | TS3B12 | + | + | + | - | - | + | + | + | + | + | + | + | + | - | - | |
| 9 | TS3B13 | + | + | + | + | + | + | + | + | + | + | - | + | + | - | - | |
| 10 | TS3B15 | + | + | + | + | + | + | + | + | + | + | - | + | + | - | - | |
| 11 | TS3C1 | + | + | + | + | + | + | + | + | + | + | - | + | - | - | - | |
| 12 | TS3C2 | + | + | + | + | + | + | + | + | + | - | - | + | + | - | + | |
| 13 | TS3C3 | + | + | + | + | + | + | + | + | + | - | - | + | - | - | - | |
| 14 | TS3C4 | + | + | + | + | + | + | + | + | + | - | - | + | - | - | - | |
| 15 | TS4A1 | + | + | + | + | - | - | + | + | + | + | + | + | + | - | - | |
| 16 | TS4A2 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 17 | TS4A3 | + | + | + | + | + | - | + | + | + | + | + | + | + | + | + | |
| 18 | TS4A4 | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + | |
| 19 | TS4A5 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | |
| 20 | TS4A6 | + | + | + | - | + | + | + | + | + | - | + | + | + | + | - | |

ตารางที่ 22 การเจริญในแหล่งไนโตรเจนชนิดต่าง ๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีท์จากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การทดสอบทางชีวเคมี | | | | | | | | | | | | | |
|----------|-----------|-------------------------------------------------|-------|------|-----|-----|------|-----|-------|-----|---------|---------|-----|---------|------|
| | | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea |
| 21 | TS4A7 | + | + | + | - | + | + | + | + | + | + | + | + | + | + |
| 22 | TS4A8 | + | + | + | + | + | + | + | + | + | - | + | + | + | + |
| 23 | TS4C2 | + | + | + | + | + | + | + | + | + | - | + | + | + | - |
| 24 | TS4C3 | + | - | - | + | + | + | + | + | - | - | - | + | + | - |
| 25 | TS5C1 | - | + | + | - | + | + | + | + | - | - | + | - | + | - |
| 26 | TS5C4 | + | + | + | + | + | + | + | + | + | - | + | + | + | - |
| 27 | TS5C6 | - | + | + | - | + | + | + | + | - | - | + | + | + | - |
| 28 | TS5C7 | + | + | + | + | + | + | + | - | + | - | + | + | - | - |
| 29 | TS7A1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 30 | TS7A2 | + | + | + | + | + | + | + | + | - | + | + | + | + | + |
| 31 | TS12B1 | + | + | + | + | + | + | + | - | - | - | + | - | - | - |
| 32 | TS12B2 | + | + | + | + | + | + | + | + | + | - | + | + | - | - |
| 33 | TS12B5 | + | + | + | + | + | + | + | + | + | - | + | + | - | + |
| 34 | TS12B6 | + | + | + | - | + | + | + | + | + | - | + | + | + | - |
| 35 | TS12B7 | + | + | + | + | + | + | + | + | - | - | + | + | - | - |
| 36 | TS12B8 | + | + | + | + | + | + | + | + | + | - | + | + | - | - |
| 37 | TS12B9 | + | + | + | + | + | + | + | + | + | - | + | + | - | - |
| 38 | TS12B10 | + | + | + | + | + | + | + | + | + | - | + | - | - | - |
| 39 | TS12B14 | + | + | + | + | + | + | + | + | + | - | + | + | - | - |
| 40 | TS12C4 | + | + | + | + | + | + | + | + | + | - | + | + | - | - |

ตารางที่ 22 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีที่หากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | | การทดสอบทางชีวเคมี | | | | |
|----------|-----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|-----|--------------------|------|-------------------|---|--|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction | | |
| 41 | TS15B1 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 42 | TS25Aa9 | + | + | + | + | + | + | + | + | + | - | + | + | + | + | - | |
| 43 | TS25Aa11 | - | + | - | - | - | + | + | + | + | - | + | - | - | - | - | |
| 44 | TS25Aa12 | + | + | - | - | - | + | + | + | + | + | + | + | + | + | - | |
| 45 | TS26Bb2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | |
| 46 | TS26Bb3 | - | + | - | + | - | + | + | + | + | - | + | + | + | + | - | |
| 47 | TS26Bb5 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | |
| 48 | TS26Bb6 | + | + | + | + | + | + | + | + | + | - | + | + | + | + | - | |
| 49 | TS26Bb9 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | |
| 50 | TS26Bb11 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | |
| 51 | TS26Bb12 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | |
| 52 | TS26Bb13 | + | - | - | + | - | + | + | + | + | - | + | + | + | + | - | |
| 53 | TS26Bb16 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | |
| 54 | TS26Bb31 | + | - | + | + | + | + | + | + | + | + | + | + | + | + | - | |
| 55 | TS26Bb33 | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | |
| 56 | TS26Bb36 | - | + | - | + | - | + | + | + | + | - | + | + | + | + | + | |
| 57 | TS26Bb42 | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | |
| 58 | TS26Bb43 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| 59 | TS26Bb44 | + | + | - | + | - | - | - | - | + | + | + | + | + | + | - | |
| 60 | TS26Bb49 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

ตารางที่ 22 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีทจากเกาะตุรเคา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | การทดสอบทางชีวเคมี | | | | |
|----------|-----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|--------------------|---------|------|-------------------|--|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction | |
| 61 | TS26Bb63 | - | + | - | - | - | - | + | - | + | + | - | + | + | + | |
| 62 | TS26Bb72 | + | - | + | + | + | + | + | + | + | + | + | - | - | - | |
| 63 | TS26Bb74 | + | + | + | + | + | + | + | + | - | - | + | + | + | - | |
| 64 | TS26Bb75 | + | + | + | + | + | + | + | + | + | + | - | + | + | - | |
| 65 | TS26Bb81 | + | + | + | + | + | + | + | + | + | - | + | + | - | - | |
| 66 | TS26Bb85 | + | + | - | + | + | + | + | + | + | - | - | - | - | - | |
| 67 | TS26Bb89 | + | + | - | + | + | + | + | + | + | - | + | + | + | - | |
| 68 | TS26Bb94 | + | - | + | + | - | + | + | + | - | + | + | + | + | - | |
| 69 | TS26Bb97 | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 70 | TS26Ca7 | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 71 | TS26Ca12 | + | + | + | + | + | + | + | + | + | + | - | + | - | + | |
| 72 | TS26Ca13 | + | + | + | + | + | + | + | + | - | - | + | + | + | - | |
| 73 | TS26Ca14 | + | + | + | + | + | + | + | + | + | - | + | + | + | - | |
| 74 | TS26Ca15 | + | + | + | + | + | + | + | + | - | - | + | + | + | - | |
| 75 | TS26Ca16 | + | + | + | + | + | + | + | + | - | - | + | + | + | - | |
| 76 | TS26Ca23 | + | + | + | + | + | + | + | + | - | - | + | + | + | - | |
| 77 | TS26Ca26 | + | - | + | + | - | + | + | + | + | + | + | + | + | - | |
| 78 | TS26Cb3 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | |
| 79 | TS26Cb10 | + | + | + | + | + | + | + | + | - | + | + | + | + | - | |
| 80 | TS26Cb13 | + | + | + | + | + | + | + | + | + | + | - | + | + | - | |

ตารางที่ 22 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีทีจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | | | | การทดสอบทางชีวเคมี | | | | |
|----------|-----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|-----|---------|------|--------------------|---|--|--|--|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction | | | | |
| 81 | TS26Cb14 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | | | |
| 82 | TS1B5 | - | + | - | - | - | + | + | - | - | - | - | + | - | - | - | | | |
| 83 | TS3B2 | + | + | + | + | + | + | + | + | - | - | - | - | - | - | - | | | |
| 84 | TS3B7 | + | + | + | + | + | + | + | + | + | - | - | + | + | + | + | | | |
| 85 | TS4C1 | + | + | + | - | - | + | + | + | + | + | + | + | - | - | - | | | |
| 86 | TS12B3 | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | | | |
| 87 | TS12C1 | + | + | - | + | + | + | + | + | - | - | + | + | - | - | - | | | |
| 88 | TS12C2 | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | | | |
| 89 | TS12C5 | - | + | - | + | - | + | + | + | + | + | + | - | - | - | - | | | |
| 90 | TS12C9 | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | | | |
| 91 | TS26Bb8 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | | | |
| 92 | TS26Bb21 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | | | |
| 93 | TS26Bb22 | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | | | |
| 94 | TS26Bb76 | + | - | - | - | - | - | + | - | - | - | - | - | - | - | - | | | |
| 95 | TS26Bb77 | + | - | - | + | + | + | - | - | - | + | - | - | - | + | + | | | |
| 96 | TS26Bb79 | + | + | - | + | + | + | + | + | + | + | + | + | + | - | - | | | |
| 97 | TS26Bb80 | + | + | + | + | - | + | + | + | + | + | + | + | - | - | - | | | |
| 98 | TS26Bb86 | - | - | - | + | - | + | + | - | - | - | + | + | - | - | - | | | |
| 99 | TS26Bb92 | + | - | - | + | - | + | + | + | + | + | + | + | - | - | - | | | |
| 100 | TS26Ca2 | + | + | - | - | - | + | + | + | + | - | + | + | - | - | - | | | |

ตารางที่ 22 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีทจากเกาะตุรเดา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | | การทดสอบทางชีวเคมี | | | | |
|----------|-----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|-----|--------------------|------|-------------------|--|--|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction | | |
| 101 | TS26Ca21 | + | + | + | - | - | + | + | + | - | + | + | + | - | - | | |
| 102 | TS26Ca27 | + | + | + | + | + | + | + | + | + | - | + | + | - | - | | |
| 103 | TS26Cb5 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | | |
| 104 | TS26Cb7 | + | + | - | + | + | + | + | + | + | - | + | + | + | + | | |
| 105 | TS26Cb11 | + | + | + | + | + | + | + | + | + | + | + | + | + | - | | |
| 106 | TS26Cb15 | + | - | + | + | + | + | + | + | + | - | + | + | + | - | | |
| 107 | TS3C6 | + | - | + | + | - | + | + | + | + | - | + | + | - | - | | |
| 108 | TS4Ba1 | - | + | - | - | + | - | + | - | - | + | - | + | + | + | | |
| 109 | TS4Ba2 | - | + | - | - | + | - | + | - | - | + | - | + | + | + | | |
| 110 | TS4Ba3 | - | + | - | + | + | + | + | - | - | + | + | + | - | - | | |
| 111 | TS4C2ST | + | + | - | - | + | + | + | + | + | - | - | + | + | + | | |
| 112 | TS4C4ST | + | + | - | + | - | + | - | - | - | + | + | + | - | - | | |
| 113 | TS4C5ST | - | + | - | + | - | + | - | - | - | + | + | + | - | - | | |
| 114 | TS4C7ST | - | + | - | + | + | + | - | + | + | + | + | + | + | + | | |
| 115 | TS4C9ST | + | + | - | + | + | + | - | + | - | + | + | + | + | + | | |
| 116 | TS4C10ST | + | + | - | + | - | + | + | + | + | - | + | + | + | + | | |
| 117 | TS4C11ST | - | - | - | - | + | - | - | - | + | - | + | + | + | + | | |
| 118 | TS4C13ST | + | + | - | + | + | + | - | + | - | + | + | + | + | + | | |
| 119 | TS4Ca1 | + | + | - | + | + | + | + | - | + | - | + | + | + | + | | |
| 120 | TS4Ca2 | + | + | - | + | + | + | - | - | + | - | + | + | + | + | | |

ตารางที่ 22 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | | | | การทดสอบทางชีวเคมี | | | | |
|----------|-----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|-----|---------|------|--------------------|---|--|--|--|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction | | | | |
| 121 | TS4Ca3 | + | + | - | + | - | - | + | - | - | - | - | + | - | - | - | | | |
| 122 | TS4Cb4 | + | + | - | + | + | + | + | + | - | - | - | + | + | + | + | | | |
| 123 | TS8Ba1 | + | + | - | + | + | + | - | - | - | - | - | + | + | + | + | | | |
| 124 | TS8Bb2 | + | + | - | + | + | + | - | - | - | - | - | + | + | + | + | | | |
| 125 | TS8C1ST | + | + | - | + | - | + | - | - | - | - | - | + | + | - | - | | | |
| 126 | TS10B1ST | + | + | - | - | - | - | - | - | - | - | - | + | - | - | - | | | |
| 127 | TS10C1ST | + | + | - | + | - | + | + | + | - | - | - | + | - | - | - | | | |
| 128 | TS13Aa9 | - | - | - | + | - | - | - | - | - | - | - | + | + | - | - | | | |
| 129 | TS13B1ST | - | + | - | + | - | + | + | - | - | - | - | + | + | - | - | | | |
| 130 | TS13B2ST | - | + | - | + | - | + | + | - | - | - | - | + | + | - | - | | | |
| 131 | TS13B3ST | + | + | - | + | - | + | + | - | - | - | - | + | + | - | - | | | |
| 132 | TS13Ba1 | + | - | + | + | + | + | + | + | - | - | - | + | + | - | - | | | |
| 133 | TS13Ba6 | + | + | - | + | - | + | + | - | - | - | - | + | + | + | + | | | |
| 134 | TS17Bb1 | - | + | - | - | - | - | + | + | + | - | - | + | + | + | + | | | |
| 135 | TS17Bb1Y | + | + | - | + | - | - | - | - | - | - | - | + | - | + | + | | | |
| 136 | TS17Bb3 | - | + | - | - | - | + | + | + | - | - | - | + | + | - | - | | | |
| 137 | TS17Bb5 | - | + | - | - | + | + | + | + | - | - | - | + | + | + | + | | | |
| 138 | TS17Ca1 | - | - | - | + | - | + | + | + | - | - | - | + | - | - | - | | | |
| 139 | TS17Ca5 | - | + | - | + | + | + | + | + | - | - | - | + | - | + | + | | | |
| 140 | TS17Ca6 | - | + | - | + | + | + | + | + | - | - | - | + | + | + | + | | | |

ตารางที่ 22 การเจริญในแหล่งไนโตรเจนชนิดต่างๆ และการทดสอบทางชีวเคมีของเชื้อสเตรปโตมัยซีทีจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญบนอาหารที่เติมแหล่งไนโตรเจน | | | | | | | | | | | | | |
|----------|-----------|-------------------------------------------------|------|-----|-----|------|-----|-------|-----|---------|---------|-----|---------|------|-------------------|
| | | Argin | Hist | Met | KNO | Phen | Ser | Threo | Val | Arbutin | Citrate | DNA | Esculin | Urea | Nitrate reduction |
| 141 | TS17Ca7 | - | - | - | - | - | + | + | + | + | - | - | - | + | - |
| 142 | TS17Ca8 | - | + | - | - | - | + | + | + | + | - | + | + | + | + |
| 143 | TS17Ca12 | + | + | - | - | + | - | + | + | + | - | + | - | + | + |
| 144 | TS18Ab1 | + | - | - | + | - | + | + | + | + | - | - | - | + | + |
| 145 | TS20Ba10 | - | + | - | + | + | + | + | + | + | + | + | + | + | + |
| 146 | TS20Bb2 | + | + | - | + | - | + | + | + | - | - | + | + | + | + |
| 147 | TS20Cb6 | + | + | - | + | - | + | + | + | + | - | + | + | + | + |
| 148 | TS26Bb40 | + | - | - | + | - | + | + | + | - | - | + | + | - | - |

หมายเหตุ Argin= L-arginine, Hist= L-histidine, Met= L-methionine, KNO= Potassium nitrate, Phen= L-phenylalanine, Ser= L-serine, Threo= L-threonine, Val= L-valine

ตารางที่ 23 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีที่ทจากเกาะอาดัง

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | ความสามารถในการยับยั้งจุลินทรีย์ | | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----------------------------------|----|----|----|--|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS | |
| 1 | AD1A1 | + | + | - | + | + | + | - | - | - | + | - | + | + | + | | |
| 2 | AD1B1 | - | + | - | + | + | - | - | - | + | - | - | + | - | - | | |
| 3 | AD1B3 | + | + | - | + | + | + | - | - | + | - | - | + | + | + | | |
| 4 | AD1B4 | + | + | - | + | + | + | - | - | - | - | - | + | + | + | | |
| 5 | AD1B5 | + | + | - | + | - | + | - | - | + | - | - | - | - | - | | |
| 6 | AD1B7 | - | - | - | + | + | + | - | - | + | + | - | - | - | - | | |
| 7 | AD1B8 | + | + | - | + | - | + | - | - | - | - | - | - | - | - | | |
| 8 | AD1B9 | - | - | - | + | + | - | - | - | + | - | - | - | - | - | | |
| 9 | AD1B10 | + | + | - | + | + | - | - | - | - | - | - | - | - | - | | |
| 10 | AD1B11 | + | + | - | + | - | + | - | - | + | - | - | + | + | + | | |
| 11 | AD1B12 | - | + | - | + | + | + | - | - | - | - | - | + | + | - | | |
| 12 | AD1B13 | + | + | - | + | - | + | - | - | - | - | - | + | + | + | | |
| 13 | AD1B14 | - | + | - | + | - | + | - | - | + | - | + | + | + | + | | |
| 14 | AD1B16 | - | + | - | + | + | + | - | - | - | - | - | + | + | + | | |
| 15 | AD3B1 | + | + | - | + | + | - | - | - | + | - | - | + | + | + | | |
| 16 | AD3C1 | + | + | - | + | + | + | - | - | + | + | - | + | + | + | | |
| 17 | AD6A4 | + | + | - | + | + | - | - | - | + | - | - | + | + | - | | |
| 18 | AD7A2 | - | + | - | + | + | - | - | - | - | - | - | + | + | + | | |
| 19 | AD7A6 | - | + | - | + | + | - | - | - | + | + | + | + | - | - | | |
| 20 | AD7A8 | - | - | - | + | + | - | - | - | - | - | - | + | + | + | | |

ตารางที่ 23 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีท์จากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----|----|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS |
| 21 | AD9B1 | - | - | - | + | + | - | - | - | - | + | - | - | + | + | + |
| 22 | AD9B2 | + | - | - | + | + | - | - | - | - | - | - | - | + | + | + |
| 23 | AD9B3 | - | + | - | + | + | - | - | + | - | - | - | - | + | - | - |
| 24 | AD9B4 | + | + | - | + | + | - | - | - | + | - | - | - | - | - | - |
| 25 | AD9C1 | + | + | - | + | + | - | - | - | + | - | - | - | - | - | - |
| 26 | AD10B1 | - | + | - | + | + | - | - | - | - | - | - | + | - | - | - |
| 27 | AD11A1 | + | + | - | + | + | - | - | - | + | - | - | - | - | - | - |
| 28 | AD11A3 | + | + | - | + | + | - | - | - | + | - | - | - | - | - | - |
| 29 | AD11A4 | + | + | - | + | + | - | - | - | - | - | - | - | - | - | - |
| 30 | AD11A5 | + | + | - | + | + | - | - | - | + | - | - | + | - | - | - |
| 31 | AD11A7 | + | + | - | + | + | - | - | - | + | - | - | - | - | - | - |
| 32 | AD11A9 | + | + | - | + | + | - | - | + | + | - | - | - | - | - | - |
| 33 | AD11A12 | + | + | - | + | + | - | - | - | - | - | - | + | + | + | + |
| 34 | AD11A13 | + | + | - | + | + | - | - | + | + | - | - | + | - | - | - |
| 35 | AD11A14 | + | + | - | + | + | - | - | - | - | - | + | + | + | + | + |
| 36 | AD11B4 | + | + | - | + | + | - | - | - | + | - | - | - | - | - | - |
| 37 | AD11B5 | + | + | - | + | - | - | - | - | + | - | - | - | - | - | - |
| 38 | AD11B6 | + | - | - | + | + | - | - | - | + | - | - | - | + | + | + |
| 39 | AD11C1 | - | - | - | + | + | - | - | - | + | - | - | + | - | - | - |
| 40 | AD1C1ST | - | - | - | + | + | - | - | - | + | - | - | - | + | + | + |

ตารางที่ 23 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีทจากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | ความสามารถในการยับยั้งจุลินทรีย์ | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----------------------------------|----|--|--|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS | | |
| 41 | AD1C2ST | - | - | - | + | + | + | - | - | - | - | - | - | - | - | - | | |
| 42 | AD1C4ST | - | - | - | + | + | - | + | - | + | + | - | + | + | + | + | | |
| 43 | AD3B1ST | - | - | - | + | + | - | - | - | + | + | + | + | + | + | + | | |
| 44 | AD3B2ST | + | - | + | + | + | - | - | - | + | + | + | + | + | + | + | | |
| 45 | AD3B3ST | + | + | + | + | + | + | + | - | - | - | - | + | + | + | + | | |
| 46 | AD3C2ST | - | + | + | + | + | + | + | - | - | - | + | + | - | - | - | | |
| 47 | AD4A4ST | + | + | - | + | + | + | + | - | - | - | - | + | - | + | + | | |
| 48 | AD4B1ST | + | - | - | + | + | + | + | - | - | - | - | + | + | + | + | | |
| 49 | AD4B2ST | - | - | - | + | + | - | - | - | - | - | - | + | - | - | - | | |
| 50 | AD4B3ST | + | + | + | + | + | + | + | - | - | - | - | + | - | + | + | | |
| 51 | AD4B6ST | - | + | + | + | + | + | + | - | - | - | + | - | - | - | - | | |
| 52 | AD4B8ST | + | + | + | + | + | + | + | - | - | - | - | + | - | + | + | | |
| 53 | AD6B3ST | + | + | + | + | + | - | - | - | + | + | + | + | - | + | + | | |
| 54 | AD6B4ST | - | - | + | + | + | + | + | - | - | + | - | + | + | - | - | | |
| 55 | AD6B5ST | - | - | - | + | + | - | - | - | - | - | + | + | + | + | + | | |
| 56 | AD6B13ST | + | + | + | + | + | - | - | - | + | + | + | + | - | + | + | | |
| 57 | AD7B5ST | + | - | + | + | + | + | + | - | - | - | - | - | - | + | + | | |
| 58 | AD7C1ST | - | - | - | + | + | - | - | - | + | + | + | + | + | + | + | | |
| 59 | AD7C2ST | - | + | - | + | + | + | - | - | - | + | - | + | - | + | + | | |
| 60 | AD11B2ST | + | + | - | + | + | + | - | - | + | - | - | - | - | - | - | | |

ตารางที่ 24 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีทจากเกาะราวี

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | ความสามารถในการยับยั้งจุลินทรีย์ | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----------------------------------|----|--|--|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS | | |
| 1 | RV1A1 | + | - | - | + | + | + | - | - | - | + | + | + | + | + | + | | |
| 2 | RV1A2 | + | - | - | + | + | + | - | - | - | - | - | - | - | + | + | | |
| 3 | RV1A3 | - | - | - | + | + | + | - | - | - | + | + | - | - | + | + | | |
| 4 | RV1A14 | + | - | - | + | + | + | - | - | - | + | + | + | + | + | + | | |
| 5 | RV1A18 | + | - | + | + | + | + | - | - | - | - | - | + | + | + | + | | |
| 6 | RV1A22 | + | + | + | + | + | + | - | - | - | + | - | - | - | - | - | | |
| 7 | RV1B3 | + | - | - | + | + | + | - | - | - | + | + | - | - | + | + | | |
| 8 | RV1B4 | - | - | - | + | + | + | - | - | - | + | - | - | - | + | + | | |
| 9 | RV2A1 | + | - | + | + | + | + | - | - | - | - | - | - | - | - | - | | |
| 10 | RV2A4 | + | + | + | + | + | + | - | - | - | + | - | - | - | - | + | | |
| 11 | RV2A5 | - | + | - | + | + | + | - | - | - | - | - | - | - | + | + | | |
| 12 | RV2A6 | - | + | + | + | + | + | - | - | - | + | + | - | - | + | + | | |
| 13 | RV2A7 | - | + | - | + | - | + | - | - | - | - | - | + | + | + | + | | |
| 14 | RV2A8 | - | - | + | + | + | + | - | - | - | - | - | - | - | - | + | | |
| 15 | RV2A9 | + | + | - | + | + | + | - | - | - | - | - | - | + | + | + | | |
| 16 | RV2C4 | - | + | - | + | + | + | - | - | - | + | + | + | + | + | + | | |
| 17 | RV3A11 | + | - | - | + | + | + | - | - | - | - | - | + | + | + | + | | |
| 18 | RV3A26 | + | + | + | + | + | + | - | - | - | + | + | + | + | + | + | | |
| 19 | RV3A28 | + | + | - | + | + | + | - | - | - | - | - | - | - | - | - | | |
| 20 | RV3A32 | + | + | + | + | + | + | - | - | - | + | - | - | - | - | + | | |

ตารางที่ 24 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | ความสามารถในการยับยั้งจุลินทรีย์ | | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----------------------------------|----|--|--|--|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS | | | |
| 21 | RV3A40 | + | + | + | + | + | - | + | - | + | + | + | - | + | + | | | | |
| 22 | RV3A44 | + | + | + | + | + | + | + | + | - | - | - | + | + | + | | | | |
| 23 | RV3A49 | - | + | - | + | + | - | + | - | - | - | - | + | - | - | | | | |
| 24 | RV3A52 | - | + | + | + | + | - | + | - | - | - | - | - | + | - | | | | |
| 25 | RV3B11 | + | - | - | + | + | - | + | - | + | - | - | - | - | - | | | | |
| 26 | RV3B14 | - | - | - | + | + | - | + | - | - | - | - | + | + | - | | | | |
| 27 | RV4A1 | + | + | + | + | + | + | + | - | - | - | + | - | - | - | | | | |
| 28 | RV4A3 | - | + | - | + | + | - | + | - | - | - | - | + | + | + | | | | |
| 29 | RV4A4 | + | + | - | + | + | + | + | - | + | - | - | - | - | + | | | | |
| 30 | RV4A5 | - | + | - | + | + | + | + | - | - | - | - | - | - | - | | | | |
| 31 | RV4A6 | - | + | + | + | + | - | + | - | - | - | - | - | - | - | | | | |
| 32 | RV4A8 | + | + | + | + | - | - | + | - | - | - | + | + | + | + | | | | |
| 33 | RV4A10 | + | - | - | + | + | + | + | - | + | - | - | - | - | - | | | | |
| 34 | RV4A12 | + | - | - | - | + | - | + | - | - | + | - | + | + | + | | | | |
| 35 | RV4A17 | + | + | + | + | + | - | + | - | + | - | + | - | + | + | | | | |
| 36 | RV4A18 | - | + | - | + | + | - | + | - | - | - | - | + | + | + | | | | |
| 37 | RV4A20 | - | + | + | + | + | - | + | - | - | - | - | - | - | - | | | | |
| 38 | RV4A21 | + | + | - | + | + | - | + | - | - | - | - | + | + | + | | | | |
| 39 | RV4A22 | + | - | + | + | + | - | + | - | - | - | - | - | - | - | | | | |
| 40 | RV4A23 | + | - | - | - | + | - | + | + | - | - | - | + | + | + | | | | |

ตารางที่ 24 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | | ความสามารถในการยับยั้งจุลินทรีย์ | | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----|----------------------------------|--|--|--|--|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS | | | | |
| 41 | RV4A27 | + | + | - | + | + | - | - | - | - | - | - | + | + | + | + | | | | |
| 42 | RV4A28 | + | + | - | + | + | - | - | - | - | - | - | - | - | - | - | | | | |
| 43 | RV4A29 | + | + | - | + | + | - | - | - | + | - | + | + | + | + | + | | | | |
| 44 | RV4A30 | + | + | + | + | + | - | - | - | + | - | + | + | + | + | + | | | | |
| 45 | RV4A34 | + | + | - | + | + | + | - | - | - | - | - | + | - | - | - | | | | |
| 46 | RV4A35 | - | + | + | + | + | + | - | - | - | - | - | - | + | + | + | | | | |
| 47 | RV4A37 | - | - | + | + | + | + | - | - | - | + | + | + | + | + | + | | | | |
| 48 | RV4A40 | + | + | + | + | + | + | + | + | + | - | + | - | + | + | + | | | | |
| 49 | RV4A42 | - | + | - | + | + | - | - | - | - | - | - | + | + | + | + | | | | |
| 50 | RV4B1 | - | + | + | + | + | + | - | - | - | - | - | + | + | + | + | | | | |
| 51 | RV5A1 | + | + | + | + | + | - | - | - | + | - | - | - | - | - | + | | | | |
| 52 | RV5A8 | + | + | - | + | + | - | - | - | - | - | - | - | - | - | - | | | | |
| 53 | RV5A9 | + | + | + | + | + | + | - | - | + | - | - | - | + | + | + | | | | |
| 54 | RV5A15 | + | - | - | + | + | - | - | - | - | + | + | + | + | + | + | | | | |
| 55 | RV5A20 | - | + | - | + | + | + | - | - | - | - | - | - | + | + | - | | | | |
| 56 | RV5A21 | + | + | - | + | + | + | + | - | - | - | - | - | + | + | + | | | | |
| 57 | RV5A22 | + | + | + | + | + | - | - | - | + | - | - | + | + | + | + | | | | |
| 58 | RV5B4 | + | + | + | + | + | + | - | - | + | - | - | + | + | + | + | | | | |
| 59 | RV5C1 | + | + | + | + | + | - | - | - | + | - | - | - | + | + | + | | | | |
| 60 | RV5C2 | + | + | + | + | + | + | - | - | + | - | - | - | + | + | + | | | | |

ตารางที่ 24 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตค็อกคัสแลคติกัส (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----|----|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS |
| 61 | RV5C3 | + | - | - | + | + | + | + | - | + | - | - | - | - | - | - |
| 62 | RV7C3 | - | + | - | + | + | + | - | - | - | - | - | - | - | - | + |
| 63 | RV7C6 | - | + | - | + | + | + | - | - | - | - | + | - | - | - | - |
| 64 | RV8B2 | + | + | - | + | + | + | + | - | + | - | + | - | - | - | + |
| 65 | RV8B4 | - | - | - | + | - | + | + | - | - | - | - | - | - | - | - |
| 66 | RV8B7 | + | - | - | + | - | + | - | + | - | - | + | + | + | - | - |
| 67 | RV8B9 | + | - | - | + | + | + | - | - | - | - | - | - | + | - | - |
| 68 | RV8B10 | - | - | - | + | + | - | - | - | - | - | - | - | - | - | - |
| 69 | RV8B11 | + | - | - | + | - | + | + | - | + | - | - | - | - | - | - |
| 70 | RV8B12 | + | + | + | + | + | - | - | - | - | - | - | + | + | + | + |
| 71 | RV8B13 | + | + | + | + | + | + | - | + | - | - | - | + | + | + | + |
| 72 | RV9C1 | + | + | + | + | + | + | + | - | - | - | - | + | + | + | + |
| 73 | RV10A30 | + | - | + | + | + | + | + | - | + | - | + | - | - | + | + |
| 74 | RV10A35 | - | - | - | + | + | + | - | - | - | - | - | - | + | + | + |
| 75 | RV10A39 | + | - | + | + | + | + | + | - | + | - | - | + | + | + | + |
| 76 | RV10B3 | + | - | + | + | + | + | - | - | + | - | + | - | - | - | - |
| 77 | RV10B14 | + | - | - | + | + | + | + | - | - | - | + | - | + | - | - |
| 78 | RV10B17 | - | + | + | + | + | + | - | - | + | - | + | - | - | - | - |
| 79 | RV10B19 | - | + | - | + | + | + | - | - | - | - | - | + | - | + | + |
| 80 | RV10C4 | + | - | - | + | - | + | - | - | - | - | - | + | + | + | + |

ตารางที่ 24 การย่อยสลายสารและการบ่มยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีทจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----|----|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS |
| 81 | RV10C6 | + | - | - | + | + | + | - | - | - | + | - | - | - | - | - |
| 82 | RV2A2 | + | - | - | + | + | - | - | - | - | + | + | - | - | + | + |
| 83 | RV3A31 | + | + | - | + | + | - | - | - | + | - | + | - | - | - | - |
| 84 | RV3A38 | - | - | + | + | + | + | - | - | - | - | - | + | + | + | + |
| 85 | RV3B5 | - | - | - | + | + | + | - | - | - | - | - | - | - | - | - |
| 86 | RV4A14 | + | + | - | + | + | + | - | - | + | - | - | - | - | - | - |
| 87 | RV4A33 | - | - | + | + | + | - | - | - | - | - | - | - | + | + | + |
| 88 | RV4A38 | + | - | + | + | + | + | - | - | - | - | - | - | - | - | - |
| 89 | RV4A39 | + | + | - | + | + | - | - | - | + | + | + | + | + | + | + |
| 90 | RV4A45 | + | + | + | + | + | - | - | - | + | - | - | - | - | - | - |
| 91 | RV5A13 | + | + | - | + | + | + | - | - | - | - | - | - | - | - | - |
| 92 | RV5A14 | + | + | + | + | + | - | - | - | + | - | - | + | - | - | - |
| 93 | RV5A17 | + | + | + | + | + | + | - | - | + | - | - | + | - | - | - |
| 94 | RV6B4 | + | + | + | + | + | + | - | - | + | - | + | + | + | + | + |
| 95 | RV8B3 | + | + | - | + | + | + | - | - | + | - | - | + | - | - | - |
| 96 | RV8B8 | + | - | - | + | + | - | - | - | + | - | + | - | + | + | + |
| 97 | RV8B16 | + | + | + | + | + | + | - | - | - | - | - | + | - | - | - |
| 98 | RV10B9 | + | + | + | + | + | + | - | - | - | - | - | - | + | + | + |



ตารางที่ 25 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีท์จากเกาะตะรุเตา

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | ความสามารถในการยับยั้งจุลินทรีย์ | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----------------------------------|----|--|--|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS | | |
| 1 | TS3B1 | + | + | + | + | + | + | + | + | - | - | - | + | + | + | | | |
| 2 | TS3B3 | - | - | + | + | + | - | - | + | - | - | - | - | - | - | | | |
| 3 | TS3B4 | + | - | + | - | + | - | - | + | - | - | - | - | - | - | | | |
| 4 | TS3B6 | + | + | + | + | + | - | - | + | - | - | - | + | - | - | | | |
| 5 | TS3B9 | + | + | + | + | + | + | + | + | - | - | - | + | + | + | | | |
| 6 | TS3B10 | - | - | + | + | + | + | + | + | - | - | - | - | - | - | | | |
| 7 | TS3B11 | + | + | + | + | + | - | - | + | + | + | + | + | + | + | | | |
| 8 | TS3B12 | + | + | + | + | + | + | + | + | - | - | - | + | + | - | | | |
| 9 | TS3B13 | + | + | + | + | + | + | + | + | - | - | - | + | + | - | | | |
| 10 | TS3B15 | + | + | + | + | + | + | + | + | - | - | - | + | - | + | | | |
| 11 | TS3C1 | + | - | + | + | + | + | + | + | - | - | - | - | - | - | | | |
| 12 | TS3C2 | + | - | + | + | + | + | + | - | - | - | - | - | - | - | | | |
| 13 | TS3C3 | + | - | + | + | + | + | + | - | - | - | - | - | - | - | | | |
| 14 | TS3C4 | + | - | + | - | + | - | - | + | - | - | - | + | + | - | | | |
| 15 | TS4A1 | + | + | + | + | + | + | + | + | + | + | - | + | + | + | | | |
| 16 | TS4A2 | + | + | + | + | + | - | - | + | - | - | - | + | + | + | | | |
| 17 | TS4A3 | - | + | + | + | + | + | + | + | + | + | - | + | + | + | | | |
| 18 | TS4A4 | - | + | + | + | + | + | + | + | - | - | - | + | + | + | | | |
| 19 | TS4A5 | + | + | + | + | + | - | - | + | + | + | - | + | + | + | | | |
| 20 | TS4A6 | - | + | + | + | + | - | - | + | + | + | - | + | + | + | | | |

ตารางที่ 25 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----|----|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS |
| 21 | TS4A7 | - | + | + | + | + | + | + | + | + | - | - | - | + | - | - |
| 22 | TS4A8 | - | + | + | + | + | + | + | + | + | - | - | - | + | - | - |
| 23 | TS4C2 | - | + | + | + | + | - | - | + | + | - | + | - | - | - | - |
| 24 | TS4C3 | - | + | + | + | + | - | + | + | + | - | - | + | - | - | - |
| 25 | TS5C1 | + | + | + | + | + | + | + | + | + | + | - | - | + | + | + |
| 26 | TS5C4 | + | + | + | + | + | + | + | + | + | - | - | - | + | + | + |
| 27 | TS5C6 | + | + | + | + | + | + | + | + | + | - | - | - | + | + | + |
| 28 | TS5C7 | + | + | + | + | + | + | + | + | + | - | - | - | + | + | + |
| 29 | TS7A1 | + | + | + | + | + | + | + | + | + | - | - | - | + | + | + |
| 30 | TS7A2 | + | + | + | + | + | + | + | + | + | - | - | - | + | + | + |
| 31 | TS12B1 | + | + | + | + | + | - | - | + | + | - | - | - | + | - | - |
| 32 | TS12B2 | - | - | + | + | + | - | - | + | + | - | - | - | + | + | + |
| 33 | TS12B5 | + | + | + | + | + | - | - | + | + | - | - | - | + | + | + |
| 34 | TS12B6 | + | + | + | + | + | - | - | + | + | - | - | - | + | + | + |
| 35 | TS12B7 | + | + | + | + | + | - | - | + | + | - | - | - | + | + | + |
| 36 | TS12B8 | + | + | + | + | + | - | - | + | + | - | - | - | + | - | - |
| 37 | TS12B9 | - | + | + | - | + | + | - | + | + | - | - | - | + | - | - |
| 38 | TS12B10 | + | - | + | + | + | + | - | + | + | - | - | - | + | + | + |
| 39 | TS12B14 | - | + | + | - | + | + | - | + | + | - | + | + | - | - | + |
| 40 | TS12C4 | - | + | + | + | - | + | - | + | + | - | - | - | + | + | + |

ตารางที่ 25 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีทจากเกาะตระรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----|----|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS |
| 41 | TS15B1 | + | + | + | + | + | - | - | - | - | + | - | + | + | - | - |
| 42 | TS25Aa9 | + | + | + | + | + | + | + | + | + | - | + | + | + | + | + |
| 43 | TS25Aa11 | + | + | + | + | + | - | - | - | - | - | + | + | + | - | + |
| 44 | TS25Aa12 | + | + | + | + | + | + | + | + | - | - | - | - | - | - | + |
| 45 | TS26Bb2 | + | + | - | + | + | + | + | - | - | - | - | + | + | - | + |
| 46 | TS26Bb3 | + | + | + | + | + | + | + | - | - | - | - | - | - | - | + |
| 47 | TS26Bb5 | + | + | - | + | + | + | + | - | - | - | - | - | - | - | + |
| 48 | TS26Bb6 | - | - | - | + | + | - | - | - | - | - | - | - | - | - | + |
| 49 | TS26Bb9 | + | + | - | + | + | + | + | + | + | - | - | - | - | - | + |
| 50 | TS26Bb11 | + | - | - | + | - | - | - | - | - | - | - | + | + | - | - |
| 51 | TS26Bb12 | + | + | - | + | + | + | + | - | + | - | - | - | + | - | - |
| 52 | TS26Bb13 | + | + | - | + | + | + | + | - | + | - | - | + | - | + | + |
| 53 | TS26Bb16 | + | + | - | + | + | + | + | - | + | - | - | + | + | + | + |
| 54 | TS26Bb31 | - | - | - | + | - | + | + | - | - | - | - | + | + | + | + |
| 55 | TS26Bb33 | + | - | - | + | + | + | + | - | - | - | - | + | + | + | + |
| 56 | TS26Bb36 | - | + | + | + | - | + | + | - | - | - | - | + | + | + | + |
| 57 | TS26Bb42 | + | + | + | + | + | + | + | - | - | - | - | - | - | - | - |
| 58 | TS26Bb43 | - | - | + | + | + | - | - | - | - | - | - | - | + | + | + |
| 59 | TS26Bb44 | + | + | - | + | - | + | + | - | - | - | - | + | - | - | - |
| 60 | TS26Bb49 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ตารางที่ 25 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีท์จากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | | ความสามารถในการยับยั้งจุลินทรีย์ | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----|----------------------------------|---|--|--|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS | | | |
| 61 | TS26Bb63 | - | + | - | + | + | + | - | - | - | - | - | - | - | + | - | - | | |
| 62 | TS26Bb72 | - | - | - | + | + | + | - | - | - | - | - | - | - | - | - | + | | |
| 63 | TS26Bb74 | + | - | + | + | + | + | - | - | - | - | - | + | + | + | + | + | | |
| 64 | TS26Bb75 | - | - | + | + | + | + | - | - | - | - | - | - | - | + | - | - | | |
| 65 | TS26Bb81 | - | - | + | + | - | - | - | - | - | - | - | + | - | - | - | - | | |
| 66 | TS26Bb85 | - | - | + | + | + | + | - | - | - | - | - | + | + | + | - | - | | |
| 67 | TS26Bb89 | - | - | - | + | + | + | - | - | - | - | - | + | + | + | + | + | | |
| 68 | TS26Bb94 | - | - | + | + | + | + | - | - | - | - | - | + | + | + | + | + | | |
| 69 | TS26Bb97 | - | - | + | + | + | + | - | - | - | - | - | + | + | + | - | - | | |
| 70 | TS26Ca7 | + | - | + | + | + | + | - | + | - | - | + | + | + | - | - | - | | |
| 71 | TS26Ca12 | + | - | - | + | - | + | - | - | - | - | - | + | - | - | + | + | | |
| 72 | TS26Ca13 | - | - | + | + | + | + | - | - | - | - | - | + | + | + | + | + | | |
| 73 | TS26Ca14 | - | - | + | + | - | + | - | - | - | - | - | + | + | + | + | + | | |
| 74 | TS26Ca15 | - | - | + | + | + | + | - | - | - | - | - | + | + | + | + | + | | |
| 75 | TS26Ca16 | - | - | + | + | + | + | - | - | - | - | - | + | + | + | + | + | | |
| 76 | TS26Ca23 | - | - | + | + | + | + | - | - | - | - | - | - | - | - | - | - | | |
| 77 | TS26Ca26 | - | + | - | + | + | + | - | + | - | - | - | - | - | - | - | - | | |
| 78 | TS26Cb3 | - | - | + | + | + | + | - | - | - | - | - | + | + | + | + | + | | |
| 79 | TS26Cb10 | - | + | - | + | + | + | - | - | - | - | - | - | - | - | - | - | | |
| 80 | TS26Cb13 | - | + | + | + | + | + | - | - | - | - | - | + | + | + | + | - | | |

ตารางที่ 25 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----|----|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS |
| 81 | TS26Cb14 | - | + | + | + | + | + | - | - | - | - | - | - | - | - | - |
| 82 | TS1B5 | + | + | + | + | + | - | + | + | + | - | + | + | + | + | + |
| 83 | TS3B2 | + | - | + | + | - | - | + | + | + | - | + | - | - | - | + |
| 84 | TS3B7 | - | + | + | + | + | - | + | + | + | - | - | - | - | - | + |
| 85 | TS4C1 | + | + | + | + | + | - | + | + | + | - | + | + | + | + | + |
| 86 | TS12B3 | - | + | + | + | - | - | + | + | + | + | + | + | - | - | + |
| 87 | TS12C1 | - | + | + | + | + | - | + | + | + | + | - | + | + | + | + |
| 88 | TS12C2 | - | + | + | - | - | - | + | + | + | + | - | + | + | + | + |
| 89 | TS12C5 | - | + | + | + | - | - | + | + | + | + | + | + | + | + | + |
| 90 | TS12C9 | - | + | + | + | - | - | + | + | + | + | + | + | + | + | + |
| 91 | TS26Bb8 | + | + | + | + | + | - | + | + | + | - | - | - | - | + | + |
| 92 | TS26Bb21 | + | + | + | + | + | + | + | + | + | - | - | - | - | + | + |
| 93 | TS26Bb22 | + | + | + | + | + | + | + | + | + | - | - | - | - | + | + |
| 94 | TS26Bb76 | + | - | + | + | - | - | + | + | + | - | + | + | + | + | + |
| 95 | TS26Bb77 | - | - | + | + | + | + | + | + | + | - | - | + | - | - | - |
| 96 | TS26Bb79 | - | - | + | + | - | - | + | + | + | - | - | + | + | + | + |
| 97 | TS26Bb80 | - | - | + | + | + | + | + | + | + | - | - | - | + | + | + |
| 98 | TS26Bb86 | - | - | + | + | - | - | + | + | + | - | - | - | + | + | + |
| 99 | TS26Bb92 | - | - | + | + | - | + | + | + | + | - | - | - | - | + | + |
| 100 | TS26Ca2 | + | + | + | + | - | + | + | + | + | + | + | + | - | - | + |

ตารางที่ 25 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | ความสามารถในการยับยั้งจุลินทรีย์ | | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----------------------------------|----|--|--|--|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS | | | |
| 101 | TS26Ca21 | - | + | + | + | + | - | + | + | + | - | + | + | + | + | + | | | |
| 102 | TS26Ca27 | - | - | + | + | - | - | + | + | - | - | - | - | - | - | - | | | |
| 103 | TS26Cb5 | - | - | + | + | - | + | + | + | + | - | - | + | + | + | + | | | |
| 104 | TS26Cb7 | - | - | + | + | + | - | + | + | + | - | + | - | - | - | - | | | |
| 105 | TS26Cb11 | - | + | + | + | + | - | + | + | + | - | - | - | - | - | - | | | |
| 106 | TS26Cb15 | - | + | + | + | + | - | + | + | + | - | - | - | - | - | - | | | |
| 107 | TS3C6 | - | + | - | + | + | + | - | - | + | - | - | - | - | - | - | | | |
| 108 | TS4Ba1 | + | - | - | + | + | - | - | - | - | - | - | - | - | - | + | | | |
| 109 | TS4Ba2 | + | - | - | + | + | - | - | + | - | - | - | - | - | - | - | | | |
| 110 | TS4Ba3 | - | - | - | + | + | - | - | - | - | - | + | + | + | + | + | | | |
| 111 | TS4C2ST | + | - | + | + | + | - | - | - | - | - | - | + | - | - | - | | | |
| 112 | TS4C4ST | + | - | + | + | + | - | - | - | + | - | - | + | - | - | - | | | |
| 113 | TS4C5ST | - | - | - | + | + | + | + | - | - | - | + | + | + | + | + | | | |
| 114 | TS4C7ST | + | - | - | + | - | + | + | - | - | - | - | + | + | + | + | | | |
| 115 | TS4C9ST | + | - | - | + | - | + | + | - | + | - | + | + | + | + | + | | | |
| 116 | TS4C10ST | + | + | - | + | + | - | - | - | - | - | - | + | - | - | - | | | |
| 117 | TS4C11ST | + | + | + | + | + | - | - | - | - | - | - | - | - | - | - | | | |
| 118 | TS4C13ST | + | - | - | + | + | + | + | - | - | - | + | + | + | + | + | | | |
| 119 | TS4Ca1 | + | - | + | + | + | + | + | - | - | - | - | - | - | - | - | | | |
| 120 | TS4Ca2 | + | + | - | + | + | - | - | - | - | - | - | - | - | - | - | | | |

ตารางที่ 25 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตค็อกคัสแลคติกัสจากเกาะตุรเคา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----|----|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS |
| 121 | TS4Ca3 | - | - | - | + | + | - | + | - | + | - | - | - | - | - | - |
| 122 | TS4Cb4 | + | + | + | + | + | - | - | - | - | - | - | - | + | - | - |
| 123 | TS8Ba1 | + | - | - | + | + | - | + | - | - | - | - | - | - | - | + |
| 124 | TS8Bb2 | + | + | - | + | + | - | + | - | - | - | - | - | - | - | - |
| 125 | TS8C1ST | + | - | - | + | + | - | + | - | - | - | - | - | - | - | + |
| 126 | TS10B1ST | - | - | - | + | + | - | - | - | - | + | + | - | - | - | + |
| 127 | TS10C1ST | - | - | - | + | + | + | + | - | - | + | + | - | + | + | + |
| 128 | TS13Aa9 | - | - | - | + | - | - | - | - | - | - | - | - | + | + | + |
| 129 | TS13B1ST | + | - | + | + | - | - | - | - | + | + | + | - | - | - | - |
| 130 | TS13B2ST | - | - | - | + | + | - | - | - | + | + | - | - | + | + | - |
| 131 | TS13B3ST | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 132 | TS13Ba1 | + | - | - | + | + | - | - | - | + | - | - | - | + | + | + |
| 133 | TS13Ba6 | + | + | + | + | - | - | - | - | - | - | - | - | - | - | + |
| 134 | TS17Bb1 | + | - | - | + | + | + | + | - | - | + | - | - | + | + | + |
| 135 | TS17Bb1Y | - | - | - | + | + | - | - | - | + | - | + | + | - | - | - |
| 136 | TS17Bb3 | + | - | - | + | + | + | + | - | - | - | - | - | + | + | + |
| 137 | TS17Bb5 | + | - | - | + | + | + | + | - | - | + | - | - | + | + | + |
| 138 | TS17Ca1 | - | + | - | + | + | - | - | - | + | - | - | - | - | - | - |
| 139 | TS17Ca5 | + | - | + | + | - | + | + | - | - | - | - | - | + | + | + |
| 140 | TS17Ca6 | + | - | - | + | - | - | - | - | - | - | + | - | - | - | + |

ตารางที่ 25 การย่อยสลายสารและการยับยั้งจุลินทรีย์ของเชื้อสเตรปโตมัยซีท์จากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | การย่อยสลายสาร | | | | | | | | | | | | | | |
|----------|-----------|----------------|-----------|--------|---------|--------|---------|----------|----------|-------|----|----|----|----|----|----|
| | | Casein | Cellulose | Chitin | Gelatin | Starch | Tween80 | Tyrosine | Xanthine | Xylan | CA | EC | PA | ML | SA | BS |
| 141 | TS17Ca7 | + | + | - | + | + | - | - | - | + | - | - | - | - | - | - |
| 142 | TS17Ca8 | + | - | - | + | + | - | - | - | - | + | - | - | - | + | + |
| 143 | TS17Ca12 | - | - | - | + | - | - | - | - | + | - | - | + | + | - | - |
| 144 | TS18Ab1 | - | + | - | + | - | - | - | - | + | - | - | - | - | - | - |
| 145 | TS20Ba10 | + | + | - | + | + | - | - | - | + | - | - | + | + | - | + |
| 146 | TS20Bb2 | + | - | - | + | + | - | - | - | - | + | + | + | + | - | + |
| 147 | TS20Cb6 | + | + | - | + | + | - | - | - | + | - | - | + | + | + | + |
| 148 | TS26Bb40 | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - |

หมายเหตุ CA= *Candida albicans* ATCC 90028, EC= *Escherichia coli* ATCC 25922, PA= *Pseudomonas aeruginosa* ATCC 27853,

ML= *Micrococcus luteus*, SA= *Staphylococcus aureus* ATCC 25923 และ BS= *Bacillus subtilis* ATCC 6633

ตารางที่ 26 การเจริญในสสารยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะอาดัง

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยับยั้ง | | | | | | | | | | | | |
|----------|-----------|---------------------------------------|---------------|-----------------|----|----|-------|---------------------|--------|--------------|-----------------|--------------|-----|--|
| | | Crystal violet | Sodium violet | Sodium chloride | 7 | 10 | 13 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | | |
| | | 0.0001 | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.1 | 0.01 | 0.005 | 0.05 | 0.1 | |
| 1 | AD1A1 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 2 | AD1B1 | - | + | - | - | - | - | - | + | - | - | + | - | |
| 3 | AD1B3 | - | - | - | - | - | - | - | - | - | - | + | - | |
| 4 | AD1B4 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 5 | AD1B5 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 6 | AD1B7 | - | - | - | - | - | - | - | + | - | - | - | - | |
| 7 | AD1B8 | - | - | - | - | - | - | - | - | - | - | + | - | |
| 8 | AD1B9 | - | + | - | - | - | - | - | + | - | - | + | - | |
| 9 | AD1B10 | - | + | - | - | - | - | - | + | - | - | - | - | |
| 10 | AD1B11 | - | - | - | - | - | - | - | - | - | - | + | - | |
| 11 | AD1B12 | - | - | - | - | - | - | - | - | - | - | + | - | |
| 12 | AD1B13 | - | + | - | - | - | - | - | + | - | - | - | - | |
| 13 | AD1B14 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 14 | AD1B16 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 15 | AD3B1 | + | - | - | - | - | - | - | - | - | - | - | - | |

ตารางที่ 26 การเจริญในสสารยิบยงชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยิบยง | | | | | | | | | | | | |
|----------|-----------|-------------------------------------|---|---|----|----|---------------------|--------|--------------|-----------------|--------------|-------|------|-----|
| | | Crystal violet | 4 | 7 | 10 | 13 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | | | |
| | | 0.0001 | | | | | 0.001 | 0.01 | 0.01 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 |
| 16 | AD3C1 | + | + | - | - | - | - | - | - | - | - | - | + | - |
| 17 | AD6A4 | - | + | - | - | - | - | - | - | - | - | - | + | - |
| 18 | AD7A2 | - | + | - | - | - | - | - | + | - | - | - | - | - |
| 19 | AD7A6 | - | + | - | - | - | - | - | + | - | - | - | + | - |
| 20 | AD7A8 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 21 | AD9B1 | - | + | - | - | - | - | - | - | - | - | - | + | - |
| 22 | AD9B2 | - | + | - | - | - | - | - | - | - | - | - | + | - |
| 23 | AD9B3 | + | - | - | - | - | - | - | + | - | - | - | + | - |
| 24 | AD9B4 | - | - | - | - | - | - | - | + | - | - | - | - | - |
| 25 | AD9C1 | - | + | - | - | - | - | - | + | - | - | - | - | - |
| 26 | AD10B1 | - | + | - | - | - | - | - | + | - | - | - | + | - |
| 27 | AD11A1 | - | + | - | - | - | - | - | + | - | - | - | + | - |
| 28 | AD11A3 | - | + | - | - | - | - | - | + | - | - | - | + | - |
| 29 | AD11A4 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 30 | AD11A5 | - | - | - | - | - | - | - | - | - | - | - | - | - |

ตารางที่ 26 การเจริญในสสารยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เดิมสสารยั้ง | | | | | | | | | | | | |
|----------|-----------|-------------------------------------|---------------|-----------------|----|----|-------|---------------------|--------|--------------|-----------------|--------------|------|-----|
| | | Crystal violet | Sodium violet | Sodium chloride | 13 | 10 | 7 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | | |
| | | 0.0001 | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.1 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 |
| 31 | AD11A7 | - | - | - | - | - | - | - | + | - | - | - | - | - |
| 32 | AD11A9 | + | - | - | - | - | - | - | + | - | - | - | + | - |
| 33 | AD11A12 | - | + | - | - | - | - | - | - | - | - | - | - | - |
| 34 | AD11A13 | - | + | - | - | - | - | - | + | - | - | - | - | - |
| 35 | AD11A14 | - | + | - | - | - | - | - | + | - | - | - | - | - |
| 36 | AD11B4 | - | - | - | - | - | - | - | + | - | - | - | - | - |
| 37 | AD11B5 | - | - | - | - | - | - | - | + | - | - | - | - | - |
| 38 | AD11B6 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 39 | AD11C1 | - | + | - | - | - | - | - | + | - | - | - | - | - |
| 40 | AD1C1ST | + | - | - | - | - | - | - | + | - | - | - | - | - |
| 41 | AD1C2ST | - | - | - | - | - | - | - | + | - | - | - | - | - |
| 42 | AD1C4ST | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 43 | AD3B1ST | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 44 | AD3B2ST | - | - | - | - | - | - | - | - | - | - | - | + | - |
| 45 | AD3B3ST | + | - | - | - | - | - | - | - | - | - | - | + | - |

ตารางที่ 26 การเจริญในสภาวะยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะอาดัง (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยั้ง | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------|-----------------|---------------------|--------|--------------|-----------------|--------------|---|---|----|----|-------|------|------|-------|------|-----|
| | | Crystal violet | Sodium chloride | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 |
| 46 | AD3C2ST | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 47 | AD4A4ST | + | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 48 | AD4B1ST | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 49 | AD4B2ST | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50 | AD4B3ST | + | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 51 | AD4B6ST | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 52 | AD4B8ST | + | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 53 | AD6B3ST | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 54 | AD6B4ST | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 55 | AD6B5ST | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 56 | AD6B13ST | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 57 | AD7B5ST | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 58 | AD7C1ST | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 59 | AD7C2ST | + | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 60 | AD11B2ST | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - |

ตารางที่ 27 การเจริญในสสารยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะราวี

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เดิมสสารยั้ง | | | | | | | | | | | | |
|----------|-----------|-------------------------------------|---------------|-----------------|----|----|----|-------|---------------------|--------|--------------|-----------------|--------------|-----|
| | | Crystal violet | Sodium violet | Sodium chloride | 13 | 10 | 7 | 4 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | |
| | | 0.0001 | 0.0001 | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.1 | 0.01 | 0.005 | 0.05 | 0.1 |
| 1 | RV1A1 | - | - | - | - | - | - | - | - | - | - | - | + | - |
| 2 | RV1A2 | + | + | - | - | - | - | - | - | + | - | - | - | - |
| 3 | RV1A3 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4 | RV1A14 | - | - | - | - | - | - | - | - | - | - | - | + | - |
| 5 | RV1A18 | + | + | - | - | - | - | - | - | + | - | - | - | - |
| 6 | RV1A22 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7 | RV1B3 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 8 | RV1B4 | + | - | - | - | - | - | - | - | + | - | - | + | - |
| 9 | RV2A1 | - | - | - | - | - | - | + | - | - | - | - | - | - |
| 10 | RV2A4 | + | + | - | - | - | - | - | - | + | - | - | - | - |
| 11 | RV2A5 | - | + | - | - | - | - | - | - | + | - | - | - | - |
| 12 | RV2A6 | - | + | + | - | - | - | - | - | - | - | - | - | - |
| 13 | RV2A7 | - | + | - | - | - | - | - | - | + | - | - | - | - |
| 14 | RV2A8 | - | - | - | - | - | - | - | - | + | - | - | - | - |
| 15 | RV2A9 | - | - | - | - | - | - | - | - | - | - | - | - | - |

ตารางที่ 27 การเจริญในสสารยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เดิมสารยั้ง | | | | | | | | | | | | |
|----------|-----------|------------------------------------|-----------------|----|----|----|-------|---------------------|--------|--------------|-----------------|--------------|------|-----|
| | | Crystal violet | Sodium chloride | 13 | 10 | 7 | 4 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | | |
| | | 0.0001 | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.1 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 |
| 16 | RV2C4 | - | - | - | - | - | - | - | - | - | - | - | + | - |
| 17 | RV3A11 | - | - | - | - | - | - | - | + | - | - | - | - | - |
| 18 | RV3A26 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 19 | RV3A28 | + | + | - | - | - | - | - | - | - | - | - | - | - |
| 20 | RV3A32 | - | + | - | - | - | - | - | - | + | - | - | - | - |
| 21 | RV3A40 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 22 | RV3A44 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 23 | RV3A49 | - | - | - | - | - | - | - | + | - | - | - | + | - |
| 24 | RV3A52 | - | + | - | - | - | - | - | - | - | - | - | - | - |
| 25 | RV3B11 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 26 | RV3B14 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 27 | RV4A1 | - | - | - | - | - | - | - | + | - | - | - | + | - |
| 28 | RV4A3 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 29 | RV4A4 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 30 | RV4A5 | - | - | - | - | - | - | - | + | - | - | - | - | - |

ตารางที่ 27 การเจริญในสหายยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยั้ง | | | | | | | | | | | | | | | | | | |
|----------|-----------|------------------------------------|-----------------|---------------------|--------|--------------|-----------------|--------------|---|---|----|----|-------|------|------|------|------|-------|------|-----|
| | | Crystal violet | Sodium chloride | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.01 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 |
| 31 | RV4A6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 32 | RV4A8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 33 | RV4A10 | - | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - |
| 34 | RV4A12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 35 | RV4A17 | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 36 | RV4A18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | + | - |
| 37 | RV4A20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 38 | RV4A21 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 39 | RV4A22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 40 | RV4A23 | - | - | - | - | - | - | - | - | - | - | - | + | - | - | - | - | - | - | - |
| 41 | RV4A27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 42 | RV4A28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 43 | RV4A29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | + | - |
| 44 | RV4A30 | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 45 | RV4A34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

ตารางที่ 27 การเจริญในสารยับยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากแกะขาว (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยับยั้ง | | | | | | | | | | | | |
|----------|-----------|---------------------------------------|-----------------|---|---|----|----|-------|---------------------|--------|--------------|-----------------|--------------|---|
| | | Crystal violet | Sodium chloride | 4 | 7 | 10 | 13 | 0.001 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | |
| 46 | RV4A35 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 47 | RV4A37 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 48 | RV4A40 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 49 | RV4A42 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 50 | RV4B1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 51 | RV5A1 | + | - | - | - | - | - | - | + | - | - | - | - | - |
| 52 | RV5A8 | + | - | - | - | - | - | - | + | - | - | - | - | - |
| 53 | RV5A9 | + | - | - | - | - | - | - | + | - | - | - | - | - |
| 54 | RV5A15 | + | + | + | + | + | + | - | - | + | - | - | - | - |
| 55 | RV5A20 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 56 | RV5A21 | - | - | - | - | - | + | - | + | - | - | - | - | - |
| 57 | RV5A22 | - | - | - | - | - | - | - | + | - | - | - | - | - |
| 58 | RV5B4 | - | - | - | - | - | - | - | + | - | - | - | - | - |
| 59 | RV5C1 | + | - | - | - | - | - | - | + | - | - | - | - | - |
| 60 | RV5C2 | + | - | - | - | - | - | - | + | - | - | - | - | - |



ตารางที่ 27 การเจริญในสสารยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เดิมสารยั้ง | | | | | | | | | | | | |
|----------|-----------|------------------------------------|-----------------|---|----|----|-------|---------------------|--------|--------------|-----------------|--------------|-----|--|
| | | Crystal violet | Sodium chloride | 7 | 10 | 13 | 0.001 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | | |
| | | 0.0001 | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.1 | 0.01 | 0.005 | 0.05 | 0.1 | |
| 61 | RV5C3 | + | + | - | - | - | - | - | + | - | - | - | - | |
| 62 | RV7C3 | + | - | - | - | - | - | - | - | - | - | + | + | |
| 63 | RV7C6 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 64 | RV8B2 | - | + | + | - | - | - | - | + | + | - | - | - | |
| 65 | RV8B4 | - | + | - | - | - | + | + | - | - | - | + | + | |
| 66 | RV8B7 | - | + | - | - | - | - | - | + | + | - | - | - | |
| 67 | RV8B9 | + | + | + | - | - | - | - | - | - | - | - | - | |
| 68 | RV8B10 | + | + | - | - | - | - | - | - | - | - | + | - | |
| 69 | RV8B11 | + | + | - | - | - | + | - | - | - | - | + | - | |
| 70 | RV8B12 | - | + | - | - | - | - | - | + | - | - | - | - | |
| 71 | RV8B13 | - | + | - | - | - | - | - | + | - | - | - | - | |
| 72 | RV9C1 | - | + | - | - | - | - | - | + | - | - | - | - | |
| 73 | RV10A30 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 74 | RV10A35 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 75 | RV10A39 | + | + | + | - | - | - | - | - | - | - | - | - | |

ตารางที่ 27 การเจริญในสหายับยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยับยั้ง | | | | | | | | | | | | |
|----------|-----------|---------------------------------------|---|---|----|----|------------------------------|------|---------------|----------------------|------|--------------------------|----------------------|-----|
| | | Crystal violet 0.0001 | 4 | 7 | 10 | 13 | Potassium tellurite 0.001 | 0.01 | Phenol 0.1 | Sodium azide 0.01 | 0.02 | Cobalt chloride 0.005 | Iron sulfate 0.05 | 0.1 |
| 76 | RV10B3 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 77 | RV10B14 | - | + | - | - | - | - | - | + | - | - | - | + | - |
| 78 | RV10B17 | - | + | - | - | - | - | - | + | - | - | - | - | - |
| 79 | RV10B19 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 80 | RV10C4 | - | + | - | - | - | - | - | - | + | - | - | - | - |
| 81 | RV10C6 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 82 | RV2A2 | + | + | + | - | - | - | - | - | - | - | - | - | - |
| 83 | RV3A31 | + | + | - | - | - | - | - | - | - | - | - | - | - |
| 84 | RV3A38 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 85 | RV3B5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 86 | RV4A14 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 87 | RV4A33 | - | - | - | - | - | - | - | - | - | - | - | + | - |
| 88 | RV4A38 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 89 | RV4A39 | - | + | - | - | - | - | - | - | - | - | - | - | - |
| 90 | RV4A45 | - | - | - | - | - | - | - | - | - | - | - | - | - |

ตารางที่ 27 การเจริญในสสารยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะราวี (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เดิมสารยั้ง | | | | | | | | | | | | | |
|----------|-----------|------------------------------------|---|---|----|----|------------------------------|------|-----|--------|----------------------|------|--------------------------|------|---------------------|
| | | Crystal violet 0.0001 | 4 | 7 | 10 | 13 | Potassium tellurite 0.001 | 0.01 | 0.1 | Phenol | Sodium azide 0.01 | 0.02 | Cobalt chloride 0.005 | 0.05 | Iron sulfate 0.1 |
| 91 | RV5A13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 92 | RV5A14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 93 | RV5A17 | - | + | + | - | - | - | - | + | - | - | - | - | - | - |
| 94 | RV6B4 | - | - | - | - | - | - | - | + | - | - | - | - | - | - |
| 95 | RV8B3 | - | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 96 | RV8B8 | - | + | + | + | + | - | - | - | + | - | - | - | - | - |
| 97 | RV8B16 | - | + | - | - | - | - | - | + | - | - | - | - | - | - |
| 98 | RV10B9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

ตารางที่ 28 การเจริญในสภาวะยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะตะรุเตา

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เดิมสารยั้ง | | | | | | | | | | | | |
|----------|-----------|------------------------------------|---|---|----|----|---------------------|--------|--------------|-----------------|--------------|------|-----|--|
| | | Crystal violet | 4 | 7 | 10 | 13 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | | | |
| | | 0.0001 | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 | |
| 1 | TS3B1 | + | - | - | - | - | - | - | - | - | - | + | - | |
| 2 | TS3B3 | + | - | - | - | - | - | - | - | - | - | - | - | |
| 3 | TS3B4 | - | - | - | - | - | - | - | - | - | - | + | - | |
| 4 | TS3B6 | + | + | - | - | - | - | - | + | - | - | + | - | |
| 5 | TS3B9 | + | - | - | - | - | - | - | + | - | - | - | - | |
| 6 | TS3B10 | + | + | - | - | - | - | - | - | - | - | + | - | |
| 7 | TS3B11 | + | + | - | - | - | - | - | + | - | - | + | - | |
| 8 | TS3B12 | + | + | - | - | - | - | - | + | - | - | + | - | |
| 9 | TS3B13 | + | + | - | - | - | - | - | + | - | - | + | - | |
| 10 | TS3B15 | - | + | - | - | - | - | - | + | - | - | + | - | |
| 11 | TS3C1 | + | - | - | - | - | - | - | - | - | - | + | - | |
| 12 | TS3C2 | + | + | - | - | - | - | - | - | - | - | - | - | |
| 13 | TS3C3 | + | - | - | - | - | - | - | - | - | - | + | - | |
| 14 | TS3C4 | + | + | + | - | - | - | - | + | + | - | + | - | |
| 15 | TS4A1 | + | + | - | - | - | - | - | + | + | - | + | - | |

ตารางที่ 28 การเจริญในสารยับยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เดิมสารยับยั้ง | | | | | | | | | | | | |
|----------|-----------|---------------------------------------|---------------|-----------------|---|----|----|-------|---------------------|--------|--------------|-----------------|--------------|---|
| | | Crystal violet | Sodium violet | Sodium chloride | 7 | 10 | 13 | 0.001 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | |
| 16 | TS4A2 | + | + | - | - | - | - | - | - | + | - | - | + | - |
| 17 | TS4A3 | + | + | - | - | - | - | - | - | + | - | - | + | - |
| 18 | TS4A4 | + | + | - | - | - | - | - | - | + | - | - | - | - |
| 19 | TS4A5 | + | + | - | - | - | - | - | - | + | - | - | + | - |
| 20 | TS4A6 | + | + | - | - | - | - | - | - | + | - | - | + | - |
| 21 | TS4A7 | + | + | - | - | - | - | - | - | + | - | - | - | - |
| 22 | TS4A8 | - | - | - | - | - | - | - | - | - | - | - | + | - |
| 23 | TS4C2 | + | + | - | - | - | - | - | - | - | - | - | + | - |
| 24 | TS4C3 | + | + | - | - | - | - | - | - | + | + | - | + | - |
| 25 | TS5C1 | + | + | - | - | - | - | - | - | + | - | - | - | - |
| 26 | TS5C4 | + | + | - | - | - | - | - | - | - | - | - | - | - |
| 27 | TS5C6 | + | + | - | - | - | - | - | - | + | - | - | - | - |
| 28 | TS5C7 | + | + | - | - | - | - | - | - | + | - | - | - | - |
| 29 | TS7A1 | + | + | - | - | - | - | - | - | - | - | - | + | - |
| 30 | TS7A2 | + | + | - | - | - | - | - | - | + | - | - | + | - |

ตารางที่ 28 การเจริญในสารยับยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยับยั้ง | | | | | | | | | | | | |
|----------|-----------|---------------------------------------|---|---|----|----|------------------------------|------|---------------|----------------------|------|--------------------------|------|---------------------|
| | | Crystal violet 0.0001 | 4 | 7 | 10 | 13 | Potassium tellurite 0.001 | 0.01 | Phenol 0.1 | Sodium azide 0.01 | 0.02 | Cobalt chloride 0.005 | 0.05 | Iron sulfate 0.1 |
| 31 | TS12B1 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 32 | TS12B2 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 33 | TS12B5 | + | - | - | - | - | - | - | + | - | - | - | + | - |
| 34 | TS12B6 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 35 | TS12B7 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 36 | TS12B8 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 37 | TS12B9 | + | - | - | - | - | - | - | + | - | - | - | - | - |
| 38 | TS12B10 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 39 | TS12B14 | + | - | - | - | - | - | - | + | - | - | - | - | - |
| 40 | TS12C4 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 41 | TS15B1 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 42 | TS25Aa9 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 43 | TS25Aa11 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 44 | TS25Aa12 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 45 | TS26Bb2 | + | - | - | - | - | - | - | + | - | - | - | + | - |

ตารางที่ 28 การเจริญในสารยับยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะตุรเคตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยับยั้ง | | | | | | | | | | | | |
|----------|-----------|---------------------------------------|---------------|-----------------|----|----|-------|---------------------|--------|--------------|-----------------|--------------|-----|--|
| | | Crystal violet | Sodium violet | Sodium chloride | 7 | 10 | 13 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | | |
| | | 0.0001 | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 | |
| 46 | TS26Bb3 | + | - | - | - | - | - | - | - | - | - | - | - | |
| 47 | TS26Bb5 | + | - | - | - | - | - | - | - | - | - | + | - | |
| 48 | TS26Bb6 | + | - | - | - | - | - | - | - | - | - | - | - | |
| 49 | TS26Bb9 | + | - | - | - | - | - | - | - | - | - | - | - | |
| 50 | TS26Bb11 | + | + | - | - | - | - | - | - | - | - | - | - | |
| 51 | TS26Bb12 | + | - | - | - | - | - | - | - | - | - | - | - | |
| 52 | TS26Bb13 | + | - | - | - | - | - | - | - | - | - | + | - | |
| 53 | TS26Bb16 | - | - | - | - | - | - | - | - | - | - | + | - | |
| 54 | TS26Bb31 | - | + | - | - | - | - | - | - | - | - | + | - | |
| 55 | TS26Bb33 | + | + | - | - | - | - | - | - | - | - | + | - | |
| 56 | TS26Bb36 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 57 | TS26Bb42 | - | + | - | - | - | - | - | - | - | - | - | - | |
| 58 | TS26Bb43 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 59 | TS26Bb44 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 60 | TS26Bb49 | - | - | - | - | - | - | - | - | - | - | - | - | |

ตารางที่ 28 การเจริญในสสารยั้งชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยับยั้ง | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|---------------------------------------|-----------------|---------------------|--------|--------------|-----------------|--------------|--------|---|---|----|----|-------|------|-----|------|------|-------|------|-----|---|
| | | Crystal violet | Sodium chloride | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | 0.0001 | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.1 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 | |
| 61 | TS26Bb63 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 62 | TS26Bb72 | + | + | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 63 | TS26Bb74 | - | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 64 | TS26Bb75 | - | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 65 | TS26Bb81 | - | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 66 | TS26Bb85 | + | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | + | - |
| 67 | TS26Bb89 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 68 | TS26Bb94 | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 69 | TS26Bb97 | - | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 70 | TS26Ca7 | + | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 71 | TS26Ca12 | + | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | + | - |
| 72 | TS26Ca13 | + | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 73 | TS26Ca14 | + | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 74 | TS26Ca15 | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 75 | TS26Ca16 | + | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

ตารางที่ 28 การเจริญในสสารยับยั้งชนิดต่างๆ ของเชื้อสเตรปโตมัยซีทจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยับยั้ง | | | | | | | | | | | | | | | | | |
|----------|-----------|---------------------------------------|-----------------|---------------------|--------|--------------|-----------------|--------------|--------|---|---|----|----|-------|------|------|-------|------|-----|
| | | Crystal violet | Sodium chloride | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | 0.0001 | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 |
| 76 | TS26Ca23 | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 77 | TS26Ca26 | + | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 78 | TS26Cb3 | + | + | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - |
| 79 | TS26Cb10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 80 | TS26Cb13 | + | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 81 | TS26Cb14 | + | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 82 | TS1B5 | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 83 | TS3B2 | + | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - |
| 84 | TS3B7 | + | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - |
| 85 | TS4C1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 86 | TS12B3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 87 | TS12C1 | + | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - |
| 88 | TS12C2 | + | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - |
| 89 | TS12C5 | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 90 | TS12C9 | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

ตารางที่ 28 การเจริญในสารยับยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เดิมสารยับยั้ง | | | | | | | | | | | | |
|----------|-----------|---------------------------------------|-----------------|---|---|----|--------|---------------------|--------|--------------|-----------------|--------------|------|-----|
| | | Crystal violet | Sodium chloride | 4 | 7 | 10 | 13 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | | |
| | | 0.0001 | | | | | 0.0001 | 0.001 | 0.01 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 |
| 91 | TS26Bb8 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 92 | TS26Bb21 | + | - | - | - | - | - | - | - | - | - | - | + | - |
| 93 | TS26Bb22 | + | - | - | - | - | - | - | - | - | - | - | + | - |
| 94 | TS26Bb76 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 95 | TS26Bb77 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 96 | TS26Bb79 | + | - | - | - | - | - | - | - | - | - | - | + | - |
| 97 | TS26Bb80 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 98 | TS26Bb86 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 99 | TS26Bb92 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 100 | TS26Ca2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 101 | TS26Ca21 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 102 | TS26Ca27 | + | - | - | - | - | - | - | - | - | - | - | + | - |
| 103 | TS26Cb5 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 104 | TS26Cb7 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 105 | TS26Cb11 | - | - | - | - | - | - | - | - | - | - | - | - | - |

ตารางที่ 28 การเจริญในสภาวะยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสที่แยกได้จากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยับยั้ง | | | | | | | | | | | | |
|----------|-----------|---------------------------------------|---------------|-----------------|----|----|-------|---------------------|--------|--------------|-----------------|--------------|------|-----|
| | | Crystal violet | Sodium violet | Sodium chloride | 13 | 10 | 7 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | | |
| | | 0.0001 | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.1 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 |
| 106 | TS26Cb15 | + | - | - | - | - | - | - | - | - | - | - | - | - |
| 107 | TS3C6 | + | - | - | - | - | - | - | + | - | - | - | + | - |
| 108 | TS4Ba1 | - | + | - | - | - | - | - | + | - | - | - | + | - |
| 109 | TS4Ba2 | - | - | - | - | - | - | - | - | - | - | + | + | - |
| 110 | TS4Ba3 | - | - | - | - | - | - | - | - | - | - | - | + | - |
| 111 | TS4C2ST | - | + | - | - | - | - | - | + | - | - | + | + | - |
| 112 | TS4C4ST | + | + | - | - | - | - | - | + | - | - | - | - | - |
| 113 | TS4C5ST | + | + | - | - | - | - | - | - | - | - | - | + | - |
| 114 | TS4C7ST | + | + | - | - | - | + | + | - | - | - | - | + | + |
| 115 | TS4C9ST | + | - | - | - | - | - | - | - | - | - | - | + | - |
| 116 | TS4C10ST | + | + | - | - | - | - | - | - | - | - | + | + | - |
| 117 | TS4C11ST | + | - | - | - | - | - | - | - | - | - | - | + | - |
| 118 | TS4C13ST | + | + | - | - | - | - | - | - | - | - | - | + | + |
| 119 | TS4Ca1 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 120 | TS4Ca2 | + | + | - | - | - | - | - | - | - | - | - | + | - |

ตารางที่ 28 การเจริญในสภาวะยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยับยั้ง | | | | | | | | | | | | |
|----------|-----------|---------------------------------------|---------------|-----------------|----|----|-------|------|---------------------|--------|--------------|-----------------|--------------|-----|
| | | Crystal violet | Sodium violet | Sodium chloride | 13 | 10 | 7 | 4 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | |
| | | 0.0001 | 4 | 7 | 10 | 13 | 0.001 | 0.01 | 0.1 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 |
| 121 | TS4Ca3 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 122 | TS4Cb4 | + | + | - | - | - | - | - | + | - | - | - | + | - |
| 123 | TS8Ba1 | + | - | - | - | - | - | - | + | - | - | - | + | - |
| 124 | TS8Bb2 | - | + | - | - | - | - | - | + | - | - | + | + | - |
| 125 | TS8C1ST | - | - | - | - | - | - | - | + | - | - | - | + | - |
| 126 | TS10B1ST | + | - | - | - | - | - | - | + | - | - | + | + | - |
| 127 | TS10C1ST | - | - | - | - | - | - | - | - | - | - | - | + | - |
| 128 | TS13Aa9 | - | + | - | - | - | - | - | - | - | - | - | + | - |
| 129 | TS13B1ST | - | + | - | - | - | - | - | + | - | - | - | + | - |
| 130 | TS13B2ST | - | + | - | - | - | - | - | - | - | - | - | - | - |
| 131 | TS13B3ST | - | + | - | - | - | - | - | + | - | - | - | - | - |
| 132 | TS13Ba1 | - | + | - | - | - | - | - | - | - | - | - | + | - |
| 133 | TS13Ba6 | - | + | - | - | - | - | - | + | - | - | - | - | - |
| 134 | TS17Bb1 | - | - | - | - | - | - | - | + | - | - | - | + | - |
| 135 | TS17Bb1Y | - | + | - | - | - | - | - | - | - | - | - | + | - |

ตารางที่ 28 การเจริญในสสารยั้งชนิดต่างๆ ของเชื้อสเตรปโตค็อกคัสจากเกาะตะรุเตา (ต่อ)

| ลำดับที่ | รหัสเชื้อ | ความสามารถในการเจริญที่เติมสารยั้ง | | | | | | | | | | | | |
|----------|-----------|------------------------------------|---------------|---|---|----|----|---------------------|--------|--------------|-----------------|--------------|-----|--|
| | | Crystal violet | Sodium violet | 4 | 7 | 10 | 13 | Potassium tellurite | Phenol | Sodium azide | Cobalt chloride | Iron sulfate | | |
| | | 0.0001 | | | | | | 0.001 | 0.01 | 0.02 | 0.005 | 0.05 | 0.1 | |
| 136 | TS17Bb3 | - | + | - | - | - | - | - | - | - | - | - | - | |
| 137 | TS17Bb5 | - | - | - | - | - | - | - | - | - | - | + | - | |
| 138 | TS17Ca1 | + | - | - | - | - | - | - | - | - | - | + | - | |
| 139 | TS17Ca5 | + | + | - | - | - | - | - | - | - | - | + | + | |
| 140 | TS17Ca6 | + | + | - | - | - | - | - | - | - | - | + | - | |
| 141 | TS17Ca7 | + | + | - | - | - | - | - | - | - | + | + | - | |
| 142 | TS17Ca8 | - | - | - | - | - | - | - | - | - | - | + | - | |
| 143 | TS17Ca12 | - | + | - | - | - | - | - | - | - | - | - | - | |
| 144 | TS18Ab1 | - | + | - | - | - | - | - | - | - | - | + | - | |
| 145 | TS20Ba10 | + | + | + | - | - | - | - | + | + | - | + | - | |
| 146 | TS20Bb2 | - | + | - | - | - | - | - | - | - | - | + | - | |
| 147 | TS20Cb6 | + | + | - | - | - | - | - | - | - | - | - | - | |
| 148 | TS26Bb40 | - | + | - | - | - | - | - | - | - | - | + | - | |

ภาคผนวก ง

ตาราง การจัดกลุ่ม DAP และน้ำตาลภายในเซลล์ของเชื้อตัวอย่างจากหมูเกาะตะรุเตา

| DAP (isomer) | Sugar Type (group) | Isolates | | | | | |
|-----------------|--------------------|----------|---------|---------|-------|--------|--------|
| LL | Type C | | | | | | |
| 1 | rib | AD11B6 | | | | | |
| | | RV4A5 | | | | | |
| 2 | glu | TS3B1 | TS7A2 | | | | |
| 3 | gal | TS3B3 | TS3B10 | | | | |
| 4 | Rham, rib | TS3B9 | | | | | |
| | Glu, gal | RV1A3 | RV1A14 | | | | |
| 5 | rham, rib | RV7C3 | | | | | |
| | Xyl, ara | | | | | | |
| | glu, gal | | | | | | |
| 6 | Rha, rib | RV1B3 | | | | | |
| | Man, glu | | | | | | |
| | gal | | | | | | |
| 7 | Rha, man | TS3C2 | | | | | |
| | gal | | | | | | |
| 8 | Rha, xy | TS5C1 | | | | | |
| | Glu, gal | | | | | | |
| 9 | Rha, glu | TS5C6 | | | | | |
| | gal | | | | | | |
| 10 | Rib, xy, man | RV1A2 | | | | | |
| | Glu, gal | | | | | | |
| 11 | Rib, xy | AD9C1 | RV5B4 | RV5C1 | RV5C2 | RV8B11 | RV8B12 |
| | Glu, gal | RV4A42 | RV8B13 | RV10A30 | TS3B7 | | |
| 12 | Rib, ara | RV4A35 | RV4A37 | RV4A40 | | | |
| | Glu, gal | | | | | | |
| 13 | Rib, ara | AD11A3 | | | | | |
| | Man, glu | | | | | | |
| | gal | | | | | | |
| 14 | Rib, ara | AD11A12 | AD11A13 | RV10C4 | | | |
| | glu | | | | | | |
| 15 | Rib, man | TS12B10 | | | | | |

ตาราง การจัดกลุ่ม DAP และน้ำตาลภายในเซลล์ของเชื้อตัวอย่างจากหมูเกาะตะรุเตา

| DAP (isomer) | Sugar Type (group) | Isolated | | | | | |
|-----------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LL | Type C | | | | | | |
| 16 | Rib, man glu | AD6A4 TS3B12 | AD11A7 | AD11B5 | RV4A33 | | |
| 17 | Rib, man Glu, gal | AD9B3 TS3B15 | RV3B11 TS3C1 | TS26Bb31 TS3C3 | TS26Bb79 TS26Cb3 | TS26Bb85 | TS26Bb97 |
| 18 | Rib, man Glu, gal mad | TS26Cb7 | | | | | |
| 19 | Rib, man gal | AD3B3ST | | | | | |
| 20 | rib glu | AD1B4 AD11A9 RV4A28 TS3B13 TS4A6 TS12B7 TS26Bb13 | AD1B10 AD11B4 RV4A29 TS4A1 TS4C2 TS12B8 TS26Bb21 | AD1B11 RV3A49 RV4A34 TS4A2 TS5C4 TS12B14 TS26Bb33 | AD1B13 RV4A1 RV7C6 TS4A3 TS7A1 TS12C1 TS26Bb42 | AD1B16 RV4A10 TS3B6 TS4A4 TS12B2 TS26Bb3 TS26Bb74 | AD3C1 RV4A18 TS3B11 TS4A5 TS12B6 TS26Bb8 TS26Bb75 |
| 21 | rib glu gal | AD1A1 AD1B12 AD9B1 AD11C1 RV1A18 RV3A31 RV4A3 RV4A20 RV5A1 TS1B5 TS12B1 TS26Bb6 TS26Bb40 TS26Ca2 TS26Ca16 TS4Ba3 TS13Aa9 TS17Ca1 | AD1B1 AD1B14 AD9B2 AD1C1ST RV1A22 RV3A38 RV4A4 RV4A21 RV5A9 TS3B2 TS12B3 TS26Bb9 TS26Bb49 TS26Ca7 TS26Ca21 TS8Ba1 TS13B1ST TS17Ca7 | AD1B5 AD3B1 AD10B1 AD1C4ST RV2A5 RV3A40 RV4A6 RV4A22 RV5A17 TS3B4 TS12B9 TS26Bb11 TS26Bb63 TS26Ca12 TS26Ca23 TS8Bb2 TS13B2ST TS17Ca12 | AD1B7 AD7A2 AD11A4 AD4B2ST RV3A11 RV3B5 RV4A12 RV4A23 TS4C1 TS3C4 TS12C2 TS26Bb12 TS26Bb76 TS26Ca13 TS26Ca27 TS8C1ST TS13B3ST TS20Cb6 | AD1B8 AD7A6 AD11A5 AD6B4ST RV3A26 RV4A17 RV4A27 RV8B9 TS4C3 TS3C6 TS12C4 TS26Bb16 TS26Bb80 TS26Ca14 TS26Cb5 TS10B1ST TS13Ba1 | AD1B9 AD7A8 AD11A14 AD11B2ST RV3A28 RV4A18 RV5A21 RV9C1 TS5C7 TS15B1 TS26Bb22 TS26Bb92 TS26Ca15 TS10C1ST TS13Ba6 |

ตาราง การจัดกลุ่ม DAP และน้ำตาลภายในเซลล์ของเชื้อตัวอย่างจากหมู่เกาะตะรุเตา

| DAP (isomer) | Sugar Type (group) | Isolated | | | | | |
|-----------------|----------------------|----------|----------|----------|----------|----------|----------|
| LL | Type C | | | | | | |
| 22 | Rib, glu Gal, mad | RV2A9 | | | | | |
| 23 | rib gal | AD11A1 | AD1C2ST | AD3B1ST | AD3B2ST | AD3C2ST | AD4A4ST |
| | | AD4B3ST | AD4B6ST | AD4B8ST | AD6B3ST | AD6B5ST | AD6B13ST |
| | | AD7B5ST | AD7C1ST | AD7C2ST | RV2A8 | RV2A6 | RV2C4 |
| | | RV1A1 | RV2A4 | RV2A7 | RV4A14 | RV4A30 | RV4A45 |
| | | RV3A32 | RV3A44 | RV3A52 | RV5A15 | RV5A22 | RV5C3 |
| | | RV4B1 | RV5A13 | RV5A14 | RV10A35 | RV10A39 | RV10B9 |
| | | RV8B3 | RV8B7 | RV8B16 | RV10B19 | RV10C6 | TS4A7 |
| | | TS12C5 | TS12C9 | TS26Bb36 | TS26Bb44 | TS26Bb72 | |
| | | TS26Bb77 | TS26Bb86 | TS26Bb89 | TS26Cb11 | TS26Cb15 | TS4Ba1 |
| | | TS4Ba2 | TS4C2ST | TS4C4ST | TS4C5ST | TS4C10ST | TS4C11ST |
| | | TS4Ca1 | TS4Ca2 | TS4Ca3 | TS4Cb4 | TS17Bb1 | TS17Bb1Y |
| | | TS17Bb3 | TS17Bb5 | TS17Ca8 | TS18Ab1 | TS20Ba10 | TS20Bb2 |
| 24 | xyl glu | TS12B5 | | | | | |
| 25 | Xyl, glu gal | TS25Aa9 | TS25Aa11 | TS25Aa12 | TS26Bb43 | TS26Bb81 | TS26Bb94 |
| | | TS26Cb13 | TS26Cb14 | RV1B4 | RV4A8 | AD9B4 | |
| 26 | xyl gal | TS4A8 | TS26Bb2 | TS26Bb5 | TS26Ca26 | TS26Cb10 | |
| | | RV5A8 | RV10B3 | RV10B17 | | | |
| 27 | Xy, ara Glu, gal | RV8B2 | RV8B8 | | | | |
| 28 | Rib, man gal | RV10B14 | | | | | |
| 29 | Ara, gal | RV3B14 | | | | | |
| 30 | Glu, gal | AD1B3 | | | | | |
| Type A | | | | | | | |
| 31 | Rib, ara Glu, gal | AD4B1ST | RV2A2 | RV4A35 | RV4A37 | RV4A38 | RV4A39 |
| | | RV4A40 | RV8B4 | TS4C7ST | TS4C9ST | TS4C13ST | TS17Ca6 |
| 32 | Rib, ara gal | RV6B4 | TS17Ca5 | | | | |

ตาราง การจัดกลุ่ม DAP และน้ำตาลภายในเซลล์ของเชื้อตัวอย่างจากหมู่เกาะตะรุเตา

| DAP (isomer) | Sugar Type (group) | | Isolated |
|-----------------|----------------------|--------|----------|
| Meso | Type A | | |
| 1 | Rib, ara Glu, gal | RV2A1 | |
| 2 | Ara, gal | RV5A20 | |
| 3 | Ara, glu gal | RV8B10 | |

หมายเหตุ : ชนิดของน้ำตาลที่อยู่ในเซลล์ ได้แก่ rha; rhamnose, rib; ribose, xyl; xylose, ara; arabinose, man; mannose, glu; glucose, gal; galactose และ mad; madurose โดยแบ่งเป็น 4 ชนิด คือ (Lechevalier, 1971)

Type A : arabinose, galactose

Type B : madurose

Type C : no diagnostic sugar

Type D : xylose, arabinose



