

**Table S7.** *Streptomyces* pigments without any specific application.

<i>Streptomyces</i> strain	Type/Color of pigment	Ref.
<i>Streptomyces</i> sp. CWW6	Streptorubrin A	[1]
<i>Streptomyces</i> sp. 13-4	Streptorubrin B	[1]
<i>Streptomyces acidiscabies</i>	Naphthoquinone derivatives: Bright yellow compound (1) <sup>1</sup> Orange compound (2) <sup>2</sup> Compound (3) <sup>3</sup>	[2]
<i>Streptomyces vietnamensis</i> sp. nov.	Violet-blue	[3]
<i>Streptomyces aureofaciens</i> CCM 3239	Indigoidine-like (Blue pigment)	[4]
<i>Streptomyces</i> sp. LS-1	Actinorhodin-related compounds.	[5]
<i>Streptomyces griseus</i>	Grixazone A and B (Yellow pigments)	[6]
<i>Streptomyces parvullus</i> M4	Possible Carotenoid (Red pigment)	[7]
<i>Streptomyces coelicolor</i> M6		
<i>Streptomyces canaries</i> M8		

<sup>1</sup> The compound name is 2-(5-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)-3-methoxy-5-methylbenzoic acid

<sup>2</sup> The compound name is 2-(3,5-dihydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)-3-methoxy-5-methylbenzoic acid

<sup>3</sup> The compound name is 8-hydroxy-1-methoxy-3-methyl-5H-dibenzo [c,g] chromene-5,7,12-trione

**Table S8.** *Streptomyces* pigments belonging to the melanin family.

Type/Color of pigment	<i>Streptomyces</i> strain	Possible application	Ref.
Melanin	<i>Streptomyces</i> sp.	Antioxidant and ultraviolet protector	[8]
	<i>Streptomyces</i> sp. MVCS13	Antimicrobial Agent	[9]
	<i>Streptomyces</i> sp. (F1,F2,F3)		[10]
	<i>Streptomyces glaucescens</i> NEAE-H	Anticancer Agents	[11]
	<i>Streptomyces</i> sp. ZL-24	Antimicrobial, anti-biofilm and antioxidant Agent	[12]
	<i>Streptomyces glaucescens</i> KCTC988	Textile Dye	[13]
	<i>Streptomyces cavourensis</i> SV 21	Antioxidant, antimicrobial, and quorum quenching inhibiting, ultraviolet protector	[14]
	<i>Streptomyces puniceus</i> RHPR9	Antimicrobial, antioxidant, anticancer, antiinflammatory	[15]

Eumelanin	<i>Streptomyces fulvissimus</i> MPPS4	Ultraviolet protector, antioxidant	[16]
	<i>Streptomyces xiamenensis</i> MPPS6		
	<i>Streptomyces parvus</i> BSB49	Anticancer Agents	[17]
Pyomelanin	<i>Streptomyces</i> sp. MPPS2	Possible nanocomposite and biocomposite material production	[18]

**Table S9.** *Streptomyces* pigments belonging to the actinomycin family.

Type/Color of pigment	<i>Streptomyces</i> strain	Possible application	Ref.
Actinomycin X2	<i>Streptomyces cyaneofuscatus</i>	Antimicrobial and textil dye	[19]
Actinomycin L <sub>1</sub> and L <sub>2</sub>	<i>Streptomyces</i> sp. MBT27	Antimicrobial Agent	[20]
Yellow pigment (Possible Actinomycin)	<i>Streptomyces parvulus</i> C5-5Y	Antimicrobial Agent	[21]

**Table S10.** *Streptomyces* pigments belonging to the actinorhodin and prodigiosin family.

Type/Color of pigment	<i>Streptomyces</i> strain	Possible application	Ref.
$\gamma$ -Actinorhodin Actinorhodin undecylprodigiosin Prodigiosin	<i>Streptomyces coelicolor</i> A3(2)	Antimicrobial agent	[22–25]
k-actinorhodin	<i>Streptomyces coelicolor</i> 100	Food Colorants	[26]
Undecylprodigiosin	<i>Streptomyces</i> sp. JS520	Textile dye, Antimicrobial Agents, Food Colorants	[27]
	<i>Streptomyces</i> sp. JAR6	Antimicrobial and anticancer agent	[28]
	<i>Streptomyces longisporus</i> rubber M-3	N/A	[29]
Prodigiosin	<i>Streptomyces</i> sp. WMA-LM31	Antioxidants, Anticancer Agents	[30]
	<i>Streptomyces</i> sp. strain BSE6.1	Antimicrobial Agents, Food Colorants	[31]
	<i>Streptomyces</i> sp. NP4	Textile Dye	[32]
Metacycloprodigiosin	<i>Streptomyces spectabilis</i>	Antimicrobial Agents	[33]

**Table S11.** Yellow *Streptomyces* pigments and its applications.

Type/Color of pigment	<i>Streptomyces</i> strain	Possible application	Ref.
Yellow pigment	<i>Streptomyces</i> sp. D10	Antimicrobial Agents, Food Colorants	[34]
	<i>Streptomyces</i> sp. D25	Antitubercular agent	[35]
	<i>Streptomyces</i> SAG-85	Antimicrobial Agents	[36]
	<i>Streptomyces</i> sp. SFA5	Antitubercular agent	[37]
	<i>Streptomyces griseoaurantiacus</i> JUACT 01	Anticancer Agents	[38]
	<i>Streptomyces</i> sp. Ac-1	Textile dye	[39]
	<i>Streptomyces</i> sp. Ac-2		
	<i>Streptomyces</i> sp. Ac-9		

**Table S12.** Red and pink *Streptomyces* pigments and its applications.

Type/Color of pigment	<i>Streptomyces</i> strain	Possible application	Ref.
Red pigment	<i>Streptomyces</i> sp.	Antimicrobial, antioxidant and anticancer agent	[40]
	<i>Streptomyces</i> sp. PM4	Anticancer Agent	[41]
	<i>Streptomyces</i> sp. A 16-1	Anticancer Agents	[42]
	<i>Streptomyces peucetius</i> ATCC 29050	Antimicrobial Agents	[43]
	<i>Streptomyces</i> sp.	Food colorant	[44]
Pink pigment	<i>Streptomyces</i> sp. NS-05	Antimicrobial and green synthesis of other nanoparticles	[45]
Pinkish brown	<i>Streptomyces</i> sp. S45	Antimicrobial Agents and anti-HIV	[46]

**Table S13.** Other *Streptomyces* pigments and its applications.

<i>Streptomyces</i> strain	Type/Color of pigment	Possible application	Ref.
<i>Streptomyces</i> sp. IFM 11299	Katorazone	Anticancer Agent	[47]
<i>Streptomyces</i> sp. A1013Y	TDTA <sup>1</sup>	Food Colorants	[48]
<i>Streptomyces aurantiacus</i> AAA5	Resistomycin	Anticancer Agents	[49]
<i>Streptomyces</i> sp. NP2	Depp blue	Textile Dye	[32,50]
<i>Streptomyces</i> sp. NP4	Depp red		
<i>Streptomyces coeruleorubidus</i>	Light brown	Antimicrobial Agent	[51]
<i>Streptomyces venezuelae</i> S13	N/A	pH Indicator	[52]
<i>Streptomyces coelicolor</i> MSIS1	N/A	pH indicator	[53]

<sup>1</sup>The compound name is 4,8,13-trihydroxy-6,11-dione-trihydrogranaticins A (TDTA)

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