

Table S1: *Streptomyces* genome sequences employed in this study, obtained from the GenBank database when indicated. The isolation source is discriminated as marine and non-marine environment.

Organism name	GenBank accession number	Source
<i>Streptomyces alboflavus</i> strain MDJK44	CP021748.1	Non-marine
<i>Streptomyces albus</i> strain BK3-25	NZ_CP016825.1	Non-marine
<i>Streptomyces albus</i> strain DSM 41398	NZ_CP010519.1	Non-marine
<i>Streptomyces albus</i> J1074	NC_020990.1	Non-marine
<i>Streptomyces globisporus</i> C-1027	CP013738.1	Non-marine
<i>Streptomyces griseus</i> subsp. <i>griseus</i> NBRC 13350	NC_010572.1	Non-marine
<i>Streptomyces</i> sp. PAMC26508	NC_021055.1	Non-marine
<i>Streptomyces pratensis</i> ATCC 33331	CP002475.1	Non-marine
<i>Streptomyces sampsonii</i> strain KJ40	NZ_CP016824.1	Non-marine
<i>Streptomyces avermitilis</i> MA-4680	BA000030.4	Non-marine
<i>Streptomyces bingchengensis</i> BCW-1	CP002047.1	Non-marine
<i>Streptomyces cattleya</i> DSM 46488	CP003219.1	Non-marine
<i>Streptomyces coelicolor</i> A3(2)	AL645882.2	Non-marine
<i>Streptomyces collinus</i> Tu 365	CP006259.1	Non-marine
<i>Streptomyces glaucescens</i> strain GLA.O	CP009438.1	Non-marine
<i>Streptomyces</i> sp. SirexAA-E	NC_015953.1	Non-marine
<i>Streptomyces leeuwenhoekii</i>	LN831790.1	Non-marine
<i>Streptomyces lincolnensis</i> strain NRRL 2936	CP016438.1	Non-marine

<i>Streptomyces noursei</i> ATCC 11455	CP011533.1	Non-marine
<i>Streptomyces rimosus</i> subsp. <i>rimosus</i> strain NRRL ISP-5260	NYR01000001.1	Non-marine
<i>Streptomyces scabiei</i> 87.22	FN554889.1	Non-marine
<i>Streptomyces venezuelae</i> strain ATCC 15439	CP013129.1	Non-marine
<i>Streptomyces vietnamensis</i> strain GIM4.0001	CP010407.1	Non-marine
<i>Streptomyces</i> sp. 13-12-16	NCTE01000967.1	Marine
<i>Streptomyces</i> sp. CNQ-509	CP011492.1	Marine
<i>Streptomyces</i> sp. DUT11	CP025511.1	Marine
<i>Streptomyces</i> sp. GBA 94-10	CM002271.1	Marine
<i>Streptomyces</i> sp. PVA 94-07	CM002273.1	Marine
<i>Streptomyces</i> sp. RV15	KQ949075.1	Marine
<i>Streptomyces</i> sp. S063	CP021707.1	Marine
<i>Streptomyces</i> sp. SCSIO 03032	CP021121.1	Marine
<i>Streptomyces xinghaiensis</i> S187	CP023202.1	Marine
<i>Streptomyces</i> sp. B188M101	GCA_002910985.1	Marine
<i>Streptomyces</i> sp. B226SN101	GCA_002910935.1	Marine
<i>Streptomyces</i> sp. B226SN104	Not deposited	Marine
<i>Streptomyces</i> sp. FMC008	Not deposited	Marine
<i>Streptomyces</i> sp. SM1	GCA_002910825.1	Marine
<i>Streptomyces</i> sp. SM3	Not deposited	Marine
<i>Streptomyces</i> sp. SM4	Not deposited	Marine

<i>Streptomyces</i> sp. SM5	GCA_002910895.1	Marine
<i>Streptomyces</i> sp. SM6	Not deposited	Marine
<i>Streptomyces</i> sp. SM7	Not deposited	Marine
<i>Streptomyces</i> sp. SM8	GCA_000299175.2	Marine
<i>Streptomyces</i> sp. SM9	GCA_002910795.1	Marine
<i>Streptomyces</i> sp. SM10	GCA_002910915.1	Marine
<i>Streptomyces</i> sp. SM11	GCA_002910905.1	Marine
<i>Streptomyces</i> sp. SM12	GCA_002910855.1	Marine
<i>Streptomyces</i> sp. SM13	GCA_002910875.1	Marine
<i>Streptomyces</i> sp. SM14	GCA_002910755.1	Marine
<i>Streptomyces</i> sp. SM17	GCA_002910725.2	Marine
<i>Streptomyces</i> sp. SM18	GCA_002910775.2	Marine
<i>Streptomyces</i> sp. SM19	Not deposited	Marine
