

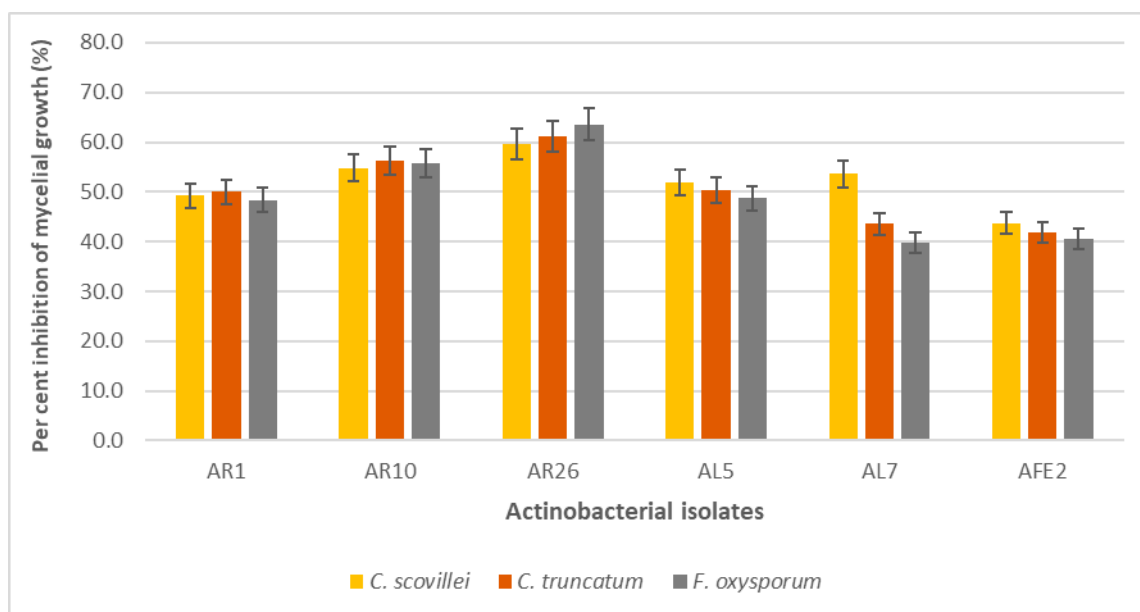
Supplementary Table S1: *In vitro* antifungal activity of actinobacterial isolates against chilli fruit rot pathogens

S. No.	Source	Isolate code	<i>Colletotrichum scovillei</i>			<i>Colletotrichum truncatum</i>			<i>Fusarium oxysporum</i>		
			MG (cm)	ZI (cm)	PIMG (%)	MG (cm)	ZI (cm)	PIMG (%)	MG (cm)	ZI (cm)	PIMG (%)
1.	Rhizosphere	AR1	4.07	2.4	54.46 (47.56)	4.43	2.3	50.58 (45.32)	4.57	2.1	49.26 (44.58)
2.		AR2	4.90	1.3	45.13 (42.22)	5.33	1.6	40.54 (39.53)	4.53	1.4	49.63 (44.79)
3.		AR3	4.80	1.1	46.25 (42.85)	5.47	0.5	39.06 (38.65)	6.27	0.4	30.37 (33.43)
4.		AR4	4.30	2.1	51.85 (46.07)	4.47	2.1	50.20 (45.11)	4.67	1.3	48.15 (43.94)
5.		AR5	5.17	1.3	42.14 (40.48)	5.20	1.3	42.03 (40.40)	7.43	0.9	17.41 (24.65)
6.		AR6	4.83	1.1	45.88 (42.63)	6.23	0.4	30.51 (33.48)	6.73	1.5	25.19 (30.11)
7.		AR7	6.07	0.5	32.06 (34.47)	6.10	1.2	32.00 (34.43)	5.30	1.7	41.11 (39.87)
8.		AR8	5.60	0.6	37.29 (37.64)	6.60	1.0	26.42 (30.91)	6.37	0.4	29.26 (32.76)
9.		AR9	4.97	1.5	44.38 (41.75)	5.67	1.2	36.83 (37.35)	5.77	0.8	35.93 (36.81)
10.		AR10	3.67	2.7	58.94 (50.17)	3.93	2.4	56.15 (48.52)	4.23	2.6	52.96 (46.70)
11.		AR11	4.53	2.0	49.23 (44.56)	5.13	1.1	42.7 (40.82)	5.43	1.1	39.63 (39.00)
12.		AR12	4.97	1.4	44.38 (41.77)	5.63	1.4	37.20 (37.57)	5.00	1.5	44.44 (40.73)
13.		AR13	4.60	1.2	48.49 (44.13)	7.13	0.0	20.48 (26.88)	4.80	1.5	46.67 (43.09)
14.		AR14	4.80	1.5	46.25 (42.85)	8.03	0.3	10.44 (18.80)	8.27	0.0	8.15 (16.44)
15.		AR15	4.83	1.6	45.88 (42.66)	5.53	1.2	38.31 (38.23)	4.53	0.9	49.63 (44.79)
16.		AR16	4.90	0.9	45.13 (42.21)	6.67	0.3	25.68 (30.42)	5.93	1.2	34.07 (35.69)
17.		AR17	5.57	0.0	37.66 (37.86)	7.73	0.0	13.79 (21.66)	8.03	0.0	10.74 (19.09)
18.		AR18	4.83	1.3	45.88 (42.64)	6.20	0.0	30.88 (33.73)	6.73	0.5	25.19 (30.10)
19.		AR19	7.93	0.0	11.16 (19.54)	8.50	0.0	5.24 (13.12)	6.87	0.0	23.70 (29.12)
20.		AR20	7.87	0.5	11.91 (20.18)	5.53	1.2	38.31 (38.23)	4.60	2.1	48.89 (44.36)
21.		AR21	6.17	0.8	30.94 (33.78)	7.03	0.4	21.59 (27.67)	5.03	1.1	44.07 (41.58)
22.		AR22	8.33	0.4	6.68 (14.93)	7.17	0.0	20.10 (26.61)	6.27	0.8	30.37 (33.43)
23.		AR23	5.43	1.5	39.16 (38.74)	5.17	1.2	42.40 (40.61)	7.33	0.1	18.52 (25.46)
24.		AR24	5.67	1.6	36.54 (37.21)	5.10	1.4	43.14 (41.05)	4.83	2.1	46.30 (42.88)
25.		AR25	4.23	2.7	52.59 (46.49)	4.33	1.4	51.69 (45.96)	4.30	2.2	52.22 (46.28)
26.		AR26	2.87	3.2	67.90 (55.51)	3.30	2.8	63.21 (52.65)	3.57	2.7	60.37 (50.99)
27.	Phyllosphere: Leaf	AL1	4.40	0.8	50.73 (45.42)	5.80	0.6	35.34 (36.46)	5.43	1.7	39.63 (38.98)
28.		AL2	7.73	0.0	13.40 (21.46)	5.27	1.2	41.29 (39.97)	6.10	0.8	32.22 (34.58)

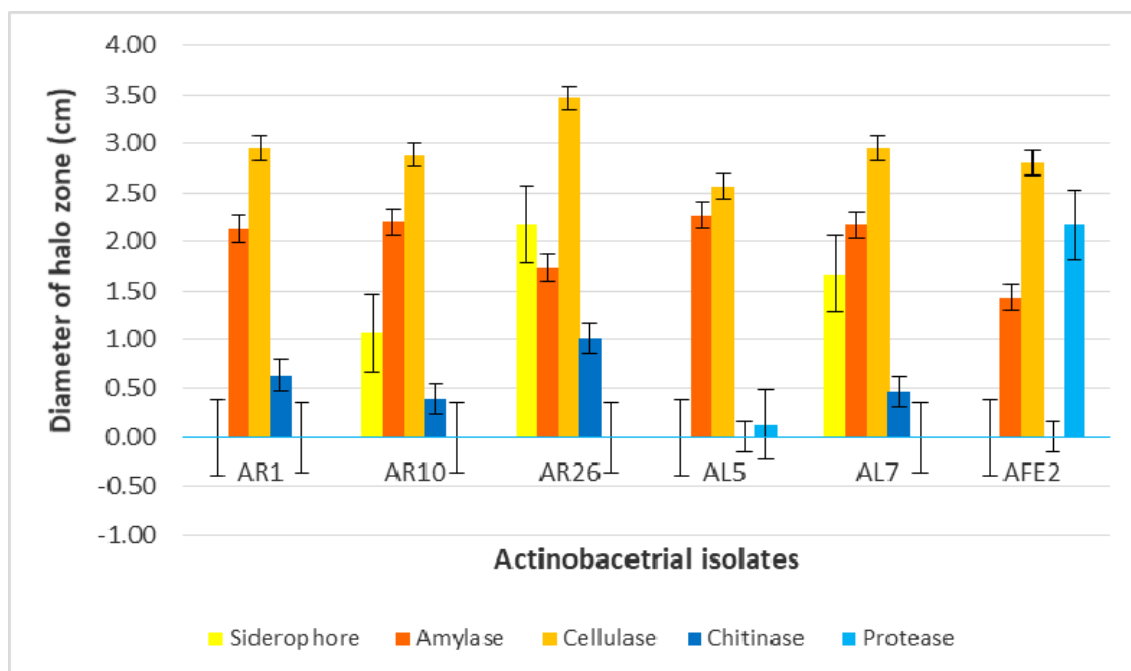
29.		AL3	8.33	0.0	6.68 (14.99)	6.07	0.0	32.37 (34.66)	7.57	0.0	15.93 (23.47)
30.		AL4	5.03	0.9	43.64 (41.35)	5.20	1.1	42.03 (40.40)	5.43	1.4	39.63 (39.00)
31.		AL5	4.13	2.3	53.71 (47.13)	4.73	2.1	47.23 (43.40)	4.40	2.4	51.11 (45.64)
32.		AL6	6.73	0.5	24.60 (29.73)	5.23	1.4	41.66 (40.18)	7.53	0.0	16.30 (23.80)
33.		AL7	3.93	2.3	55.95 (48.43)	4.47	2.2	50.20 (45.11)	4.20	2.3	53.33 (46.91)
34.	Phyllosphere: Stem	ASt1	7.31	0.0	17.51 (24.69)	4.87	2.0	45.75 (42.54)	6.07	0.7	32.59 (34.80)
35.		ASt2	7.03	0.4	21.24 (27.44)	6.20	0.1	30.88 (33.73)	6.73	0.8	25.19 (30.11)
36.		ASt3	4.40	1.7	50.73 (45.42)	5.53	1.2	38.31 (38.23)	5.17	1.0	42.59 (40.73)
37.	Phyllosphere: Seed	ASe1	6.63	1.6	25.72 (30.49)	5.27	1.5	41.29 (39.96)	5.07	1.2	43.70 (41.35)
38.		ASe2	6.43	0.8	27.96 (31.91)	5.57	1.3	37.94 (38.00)	5.27	1.1	41.48 (40.09)
39.		ASe3	7.03	0.0	21.24 (27.42)	5.63	0.8	37.20 (37.55)	5.37	1.0	40.37 (39.44)
40.	Phyllosphere: Fruits	AF1	6.20	1.3	30.57 (33.57)	5.60	1.2	37.57 (37.77)	4.10	1.5	54.44 (47.55)
41.		AF2	6.17	1.1	30.94 (33.79)	5.33	1.2	40.54 (39.51)	5.50	0.8	38.89 (38.58)
42.		AF3	5.33	0.7	40.28 (39.40)	5.10	1.3	43.14 (41.05)	5.33	1.4	40.74 (39.66)
43.	Endophyte: Leaf	ALE1	8.50	0.0	4.82 (11.90)	5.80	0.9	35.34 (36.45)	4.77	1.5	47.04 (43.30)
44.		ALE2	5.47	1.0	38.78 (38.52)	5.73	0.8	36.08 (36.90)	6.00	0.5	33.33 (35.26)
45.		ALE3	5.90	0.6	33.93 (35.63)	6.17	0.5	31.25 (33.97)	4.87	1.5	45.93 (42.66)
46.		ALE4	6.53	0.7	26.84 (31.22)	5.33	0.7	40.54 (39.49)	6.27	0.7	30.37 (33.42)
47.	Endophyte: Stem	AStE1	5.27	1.6	41.02 (39.83)	5.10	1.2	43.14 (41.05)	7.23	0.3	19.63 (26.28)
48.	Endophytes: Seed	ASeE2	7.03	0.2	21.24 (27.45)	5.33	1.3	40.54 (39.54)	5.80	1.3	35.56 (36.60)
49.		ASeE3	5.87	0.8	34.30 (35.85)	5.63	0.0	37.20 (37.54)	7.03	0.0	21.85 (27.86)
50.	Endophytes: Fruit	AFE1	7.23	0.0	19.00 (25.82)	5.60	0.0	37.57 (37.77)	8.23	0.0	8.52 (16.88)
51.		AFE2	4.50	2.1	49.61 (44.77)	4.77	2.1	46.86 (43.19)	4.50	2.1	50.00
52.		AFE3	7.17	0.4	19.75 (26.319)	5.30	1.4	40.91 (39.74)	5.67	1.1	37.04 (45.00)
53.		Control	8.93	0.0	54.46	8.97	0.0	50.58 (0.29)	9.00	0.0	0.00
54.		SE(d)	0.036	0.049	1.481	0.040	0.064	1.366	0.046	0.062	1.589
55.		CD	0.071	0.098	2.941	0.080	0.128	2.713	0.091	0.123	3.156

Values are mean of three replications. Means in a column followed by same superscript letters are not significantly different according to Duncan's multiple range test at $P = 0.05$. Values in parenthesis are arc sine transformed; **MG**: Mycelial growth of the pathogen **IZ**: Inhibition zone in cm
PIMG: Per cent inhibition of mycelial growth

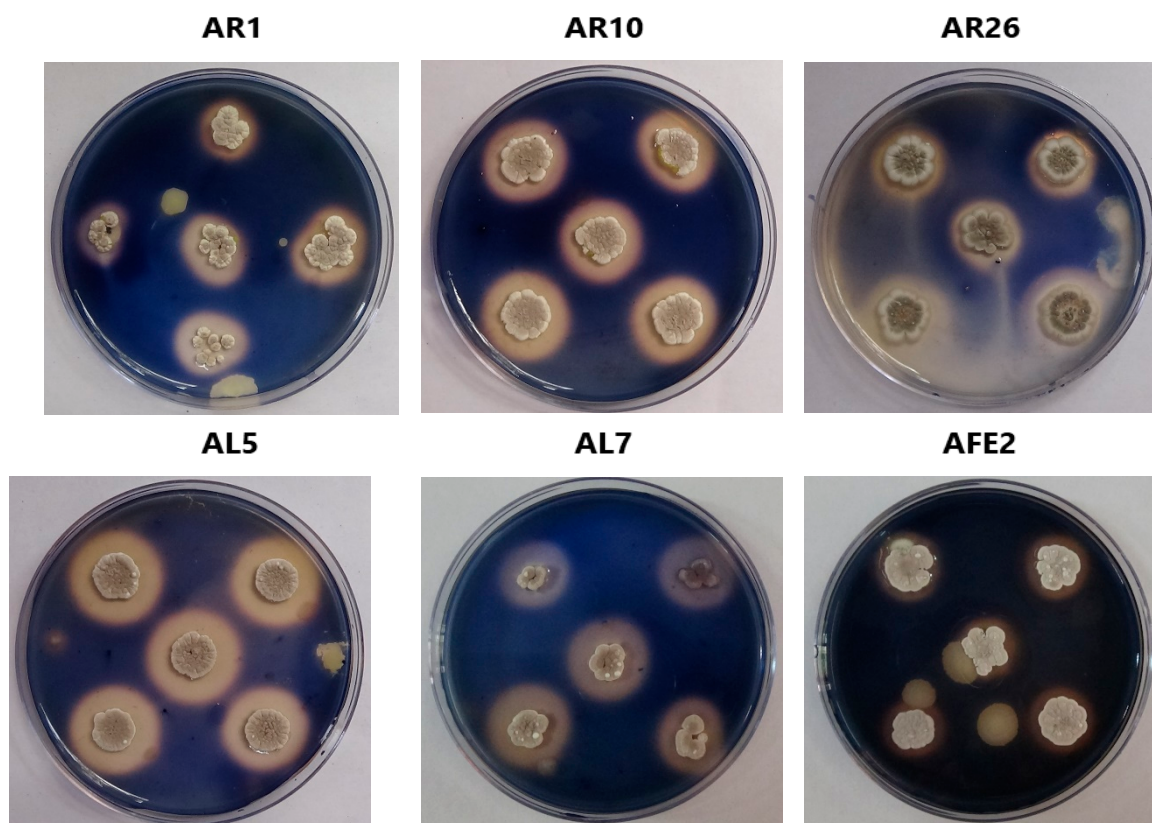
Supplementary Figure S1: Paired antibiosis assay for antifungal activity of actinobacterial isolates against chilli fruit rot pathogens



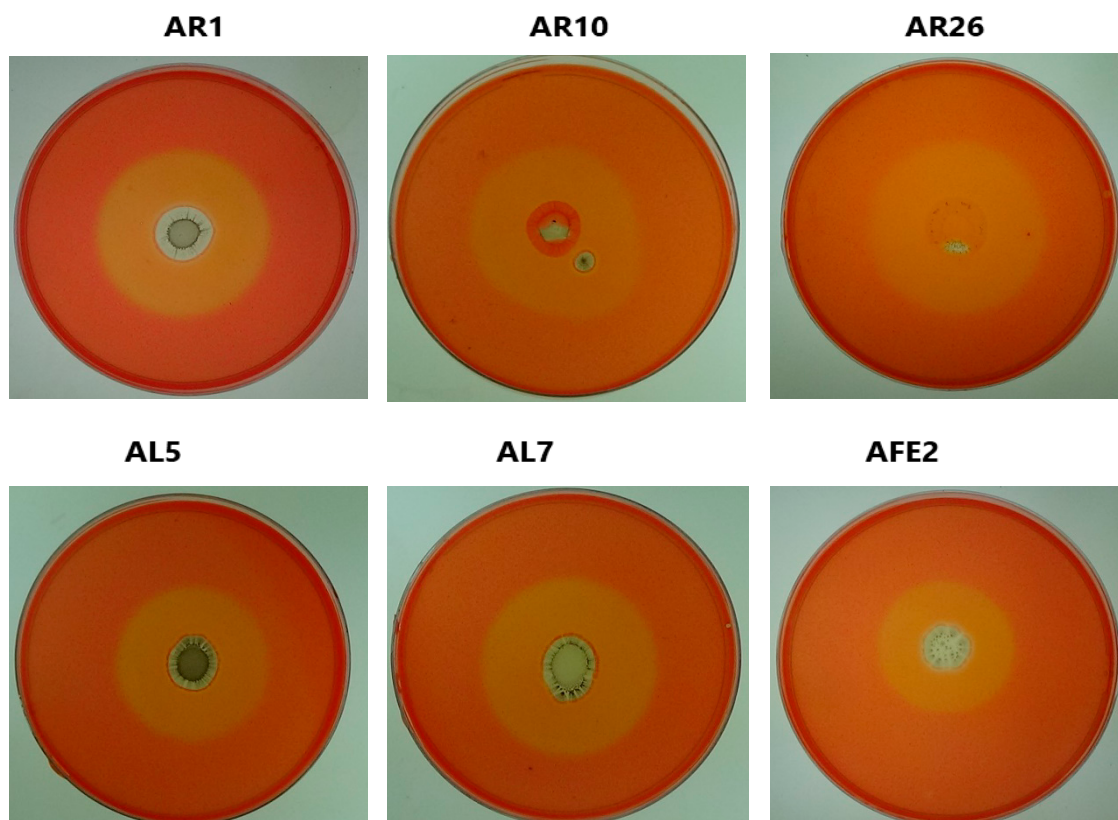
Supplement Figure S2: Relative ability of actinobacterial isolates to produce siderophore and extracellular hydrolytic enzymes



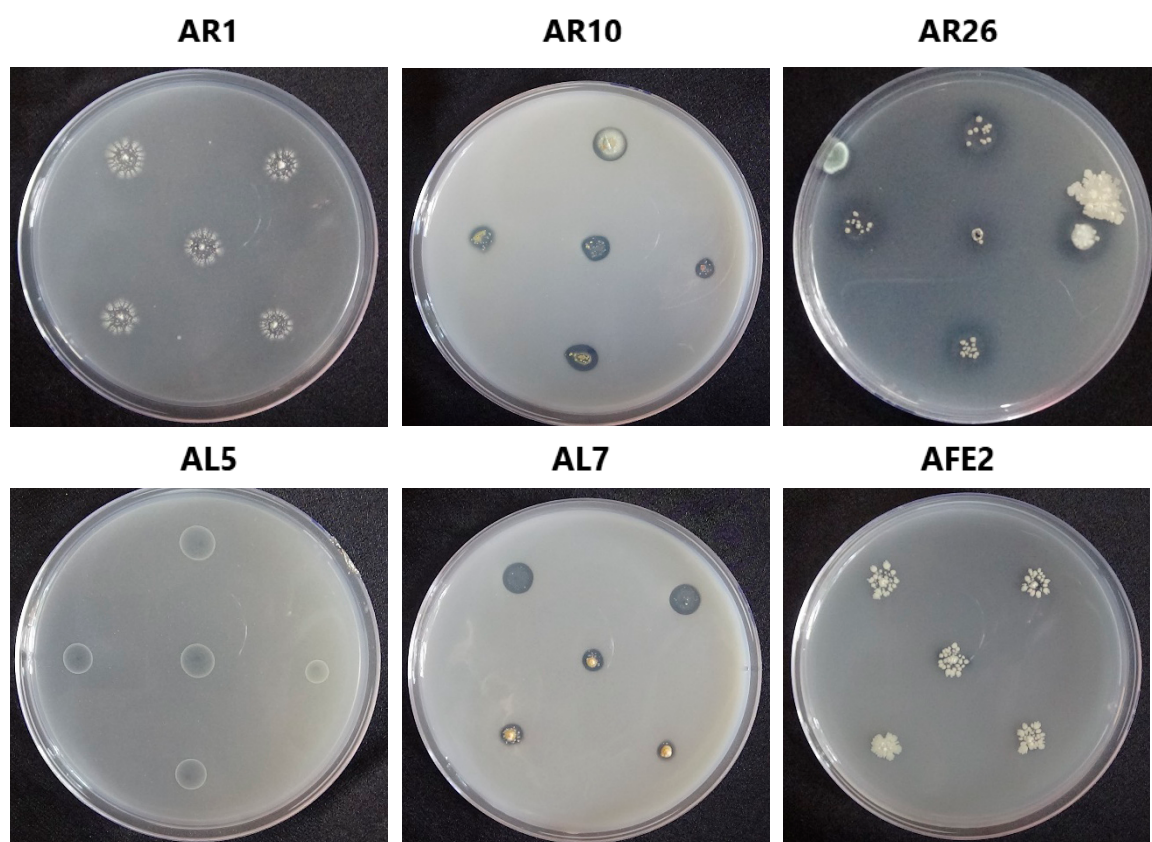
Supplementary Figure S3: Screening of actinobacterial isolates for amylase activity



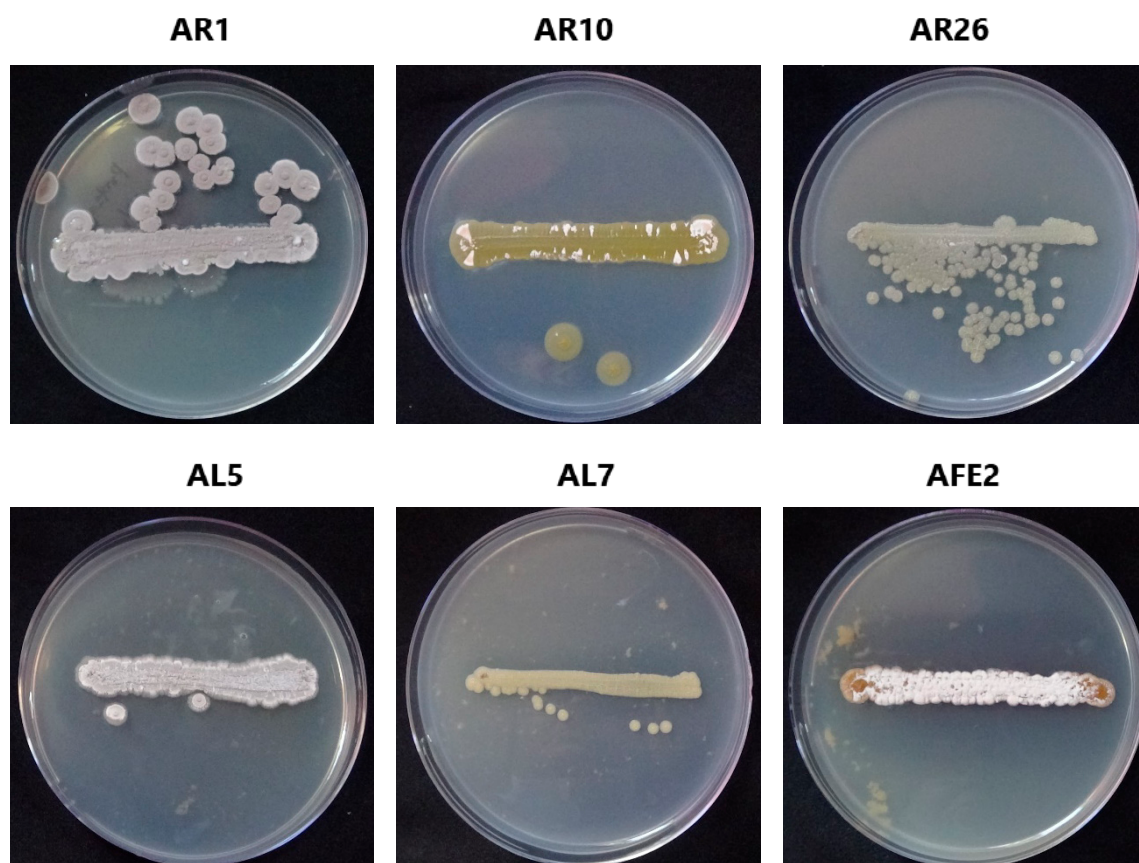
Supplementary Figure S4: Screening of actinobacterial isolates for cellulase activity



Supplementary Figure S5: Screening of actinobacterial isolates for chitinase activity



Supplementary Figure S6: Screening of actinobacterial isolates for protease activity



Supplementary Figure S7: Screening of actinobacterial isolates for siderophore production

