**TableS1.**Antibacterial and antifungal activity of ethyl acetate crude extracts, of plant-associated endophytic fungi and *A. Judaic*a, against different pathogenic bacteria and fungi.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Inhibition zone diameter (mm) | | | | | | | | | | | Fungal crude extract |
| Tested fungi | | | | | | Tested bacteria | | | | |
| *F. solani* | *F. oxysporum* | *A. solani* | *A. alternata* | *A. niger* | *A. flavus* | *P. aeruginosa* | *K. pneumonia* | *E. coli* | *S. aureus* | *B. subtilis* |
| ND | ND | ND | 15.33±0.66c | ND | ND | 16.66±0.33d | 27.66±0.66d | ND | 25.66±0.66b,c | 26.33±0.88c | *A. alternata* |
| 22.66±0.88b | 21.66±0.88b | 30.33±0.88a | 33.00±2.51a | 29.66±1.15a | 19.66±0.88a | 28.33±0.33b | 38.00±0.57a | 27.33±0.33a | 28.66±0.66a | 30.00±0.57a,b | *A.tenuissima* |
| 15.00±0.57c | 17.00±0.57c | 18.33±0.33d | 16.33±1.20c | 15.00±0.57c | 15.66±0.33b | 31.66±0.88a | 38.66±0.88a | 17.66±0.88c | 24.33±0.66c,d | 31.00±1.00a | *A. niger* |
| 22.33±0.66b | 22.33±0.33b | 26.00±0.57b | ND | ND | 16.00±0.57b | 28.66±0.66b | ND | 17.66±0.66c | 24.00±0.57c,d | 27.33±0.33c | *Chaetomium* sp. |
| ND | ND | ND | ND | ND | ND | 14.66±1.45d | 27.33±0.33d | ND | 22.66±0.33d | 28.33±1.20b,c | *C. cladosporioides* |
| ND | ND | 16.33±0.33e | 17.33±0.33c | ND | ND | 19.66±0.66c | 34.66±0.88b | 16.33±0.88c | 20.66±0.66e | 21.00±1.00d | *F. oxysporum* |
| 24.33±0.33a | 26.00±0.57a | 20.33±0.33c | 24.33±0.33b | 16.33±0.88c | 15.66±0.88b | 21.66±0.33c | 29.66±0.33c | 22.66±1.45b | 20.33±0.33e | 26.33±0.88c | *A. judaica* |
| ND | ND | ND | ND | ND | ND | 15.66±0.33d | 27.66±0.33d | 25.33±0.33a | 26.66±0.33b | 25.66±0.33c | Positive control  Chloramphenicol |
| 13.66±0.33c | 15.66±0.33c | 16.66±0.33e | 17.66±0.33c | 21.66±0.33b | 14.66±0.33b | ND | ND | ND | ND | ND | Positive control  Nystatin |

The data given are averages of three replicates, ± standard error.

Values followed by different letters are significantly different at *p* ˂ 0.05.

ND =Not Detected

**TableS2.** Antibacterial activity of *A. tenuissima* crude extracts fractions at a 30µg/mLconcentration, against pathogenic bacteria.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Inhibition zone diameter (mm)** | | | | | | | | | | | Fractions of the crude extract |
| Tested fungi | | | | | | Tested bacteria | | | | |
| *F. solani* | *F. oxysporum* | *A. solani* | *A. alternata* | *A. niger* | *A. flavus* | *P. aeruginosa* | *K. pneumonia* | *E. coli* | *S. aureus* | *B. subtilus* |
| 7.66±0.33d,e | 7.33±0.66c | ND | ND | ND | ND | 11.66±0.66b | ND | ND | 10.66±0.66c | 9.33±0.33c | Fr. 1 |
| ND | 6.00±0.00d | ND | ND | 7.66±0.33d | ND | ND | ND | ND | 10.00±0.57c | 7.66±0.33d | Fr. 2 |
| 13.33±0.33a | 8.66±0.33b | 10.33±0.33b | 7.00±0.57b | 16.00±0.57a | 10.66±0.33a | 16.00±1.15a | 15.66±0.66a | 13.00±0.57a | 21.33±0.88a | 15.00±0.57a | Fr. 3 |
| ND | ND | ND | ND | 6.00±0.00e | 6.33±0.33c | 7.66±0.33c | 8.33±0.33c | ND | 10.66±0.33c | 7.33±0.66d | Fr. 4 |
| 7.00±0.00e | ND | ND | ND | 10.66±0.33b | 6.00±0.00c | 6.33±0.33c | ND | 8.33±0.33c | ND | 7.00±0.00d | Fr. 5 |
| 8.66±0.33c | ND | 8.33±0.33c | ND | 8.66±0.33c | 7.66±0.33b | 8.00±0.57c | 9.66±0.33b | 10.66±0.33b | 7.66±0.33d | 11.66±0.33b | Fr. 6 |
| 8.00±0.00c,d | 9.00±0.00b | ND | ND | 7.00±0.00d | 6.33±0.33c | ND | 6.66±0.33d | 8.33±0.33c | ND | 7.66±0.33d | Fr. 7 |
| ND | ND | ND | ND | ND | ND | 11.66±0.33b | 15.33±0.33a | 13.33±0.88a | 15.33±0.66b | 15.33±0.88a | Positive control  Chloramphenicol |
| 10.33±0.33b | 11.00±0.57a | 11.66±0.33a | 12.33±0.33a | 15.66±0.33a | 10.33±0.33a | ND | ND | ND | ND | ND | Positive control  Nystatin |

The data given are averages of three replicates, ± standard error.

Values followed by different letters are significantly different at *p* ˂ 0.05.

ND =Not Detected