**Supplementary Table 1.** IAA (auxin) production by *E. coli* (GFP) in LB broth medium with and without tryptophan, antifungal activity against *F. oxysporum, Curvularia* sp*.* and *Alternaria* sp.,andphosphate solubilization.

|  |  |  |
| --- | --- | --- |
| **IAA (Auxin)****µg ml-1** | **Antifungal activity****(% inhibition)** | **Phosphate solubilization** |
| With tryptophan | Without tryptophan | *F. oxysporum* | *Curvularia*sp. | *Alternaria* sp. |
| 8.68±0.43 |  | 13% | 29% | 13% | None |

**Supplementary Table 2.** Initial screening of plant growth promoting features of *E. coli* (GFP) on Bermuda onto agarose and MS- agarose media.

|  |  |
| --- | --- |
| Treatments | Growth Promoting Features |
|  | Germination(%) | Geotropic response (%) | Root –Shoot length (cm) | Root hairs |
| Control-Agarose | 16.67 | 10 | R=1.0-1.5S= 1.0-1.5 | many and short |
| Control-MS | 33.33 | 85 | R=1.5-2.0S= 1.5-2.0 | very few and short |
| Treatment-Agarose | 28.33 | 88.23 | R=2.0-2.5S= 1.5-2.0 | more abundant and long |
| Treatment-MS | 30 | 100 | R=1.5-2.0S= 1.5-2.0 | more abundant and long |