To see the effect of SA190 on the growth of adult plants under drought conditions, 5 day-old non-colonized or SA190-colonized Arabidopsis were transferred to pots for 2 weeks.These results indicate that SA190 significantly enhances drought stress tolerance of Arabidopsis plants.To evaluate the agronomic potential of SA190 on crops, we performed growth chamber experiments with alfalfa which is used as an important animal feed in different regions of the world.SA190-inoculated alfalfa plants showed a 13% increase in biomass yield under continuous irrigation (Figs 11 and EV2).One week after re-watering, less than 50% of non-colonized plants resumed growth in comparison with a 100% of SA190-colonized plants (Fig 1G and H).

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