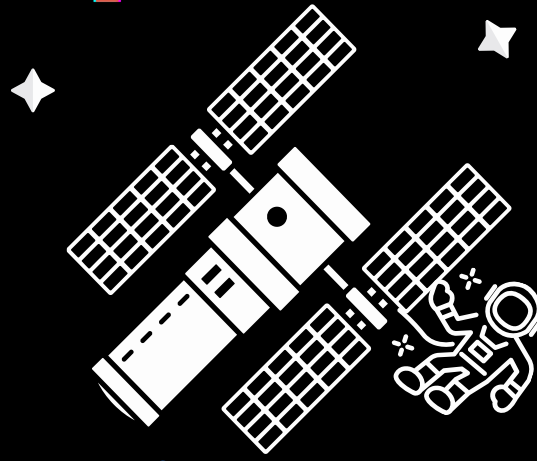




SpacePox



During a 15-month mission to Mars, the average *E. Coli* bacteria can mutate

173X

All it takes is **one** mutation in **one** bacteria to fuel a pandemic...

...there are over a **trillion** bacteria in the human body



PREVENT THE NEXT PANDEMIC ADVANCE SPACE HEALTH SECURITY

Detecting mutations through **diagnostic testing** on board the National Lab in Space **before** astronauts return to Earth could help prevent a Space-fueled pandemic

HOW?

- 1 Reintroduce the **Space Frontier Act (S.919)**, incorporating a provision for diagnostic testing in Section 302
- 2 Direct NASA to work with industry partners to **form procedures for detecting pathogens** on Earth-returning astronauts