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Transport Processes in *Sulfolobales*

Nuan Yang

1. Archaea are not only found in extreme environments but widespread across the world.
2. *Sulfolobales* are model organisms for the phylum Crenarchaeota thriving mainly in volcanic springs at temperatures around 80°C and low acidic pH (pH 2-3).
3. The $\Delta cdvB3$ strain showed a severe growth defect with the formation of enlarged cells and a defect in DNA segregation, accompanied with the aberrant cellular localization of CdvA and CdvB suggesting a coordinating function of CdvB3 during cell division (this thesis).
4. The Saci_2123 protein represents the first identified ABC multidrug efflux pump from Archaea (this thesis).
5. ArnA and ArnB negative regulate the expression of the archaella (this thesis).
6. Quietly gone, just time, and our youth.
7. Move forward, instead of holding to things we cannot change.
8. Life, as the journey, the important thing isn't the destination, but the challenges you face along the way, the unexpected twists and turns.
9. Each city, in its own way, was unforgettable. It would be difficult to - Groningen! By all means, Groningen. I will cherish my visit here in memory as long as I live.
10. Ik zal handhaven.