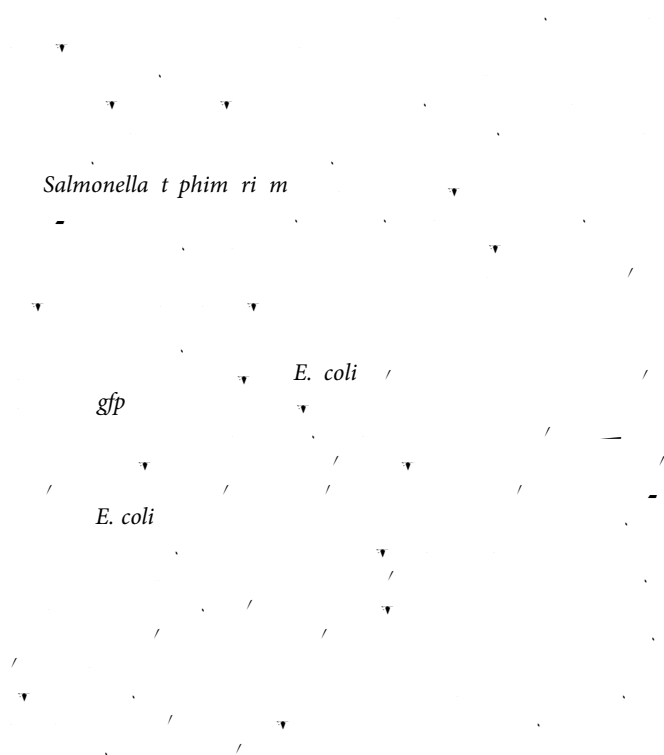




## Promoter-Reporter Construct Libraries



## Conclusions

The results of this study demonstrate that the use of promoter-reporter constructs in *S. typhimurium* and *E. coli* allows for the identification and characterization of novel promoters. The GFP reporter gene provides a visual and quantitative measure of promoter activity, enabling the study of gene expression patterns in response to various environmental conditions. The identification of novel promoters in these model organisms provides valuable insights into the regulatory networks that control cellular processes and can be used to develop novel genetic tools for synthetic biology and systems biology.

## Acknowledgement:

## Conflict of Interest:

## References

1. Frauchiger MT, Wenk C, Colombani PC (2004) Effects of acute chromium supplementation on postprandial metabolism in healthy young men. *J Am Coll Nutr* 351-357.
2. Joseph LJ, Farrell PA, Davey SL, Evans WJ, Campbell WW (1999) Effect of resistance training with or without chromium picolinate supplementation on glucose metabolism in older men and women. *Metabolism* 546-53.
3. Volpe SL, Huang HW, Larpadisorn K, Lesser II (2001) Effect of chromium supplementation and exercise on body composition, resting metabolic rate and selected biochemical parameters in moderately obese women following an exercise program. *J Am Coll Nutr* 293-306.
4. Bailey CH (2014) Improved meta-analytic methods show no effect of chromium supplements on fasting glucose. *Biol Trace Elem Res* 1-8.
5. Althuis MD, Jordan NE, Ludington EA, Wittes JT (2002) Glucose and insulin responses to dietary chromium supplements: a meta-analysis.