A Scalable Screening of *E. coli* Strains for Recombinant Protein Expression

Luana G. Morão\*a¶, Lívia R. Manzinea¶, Lívia Oliveira D. Clementinoa, Carsten Wrengerb and Alessandro S. Nascimentoa\*.

a. Pólo TerRa, São Carlos Institute of Physics, University of São Paulo. Av. João Dagnone, 1100, Jd. Santa Angelina, 13563-120. São Carlos, SP. Brazil.

b. Unit for Drug Discovery, Department of Parasitology, Institute of Biomedical Sciences, University of São Paulo, Av. Prof. Lineu Prestes 1374, 05508-000 São Paulo-SP, Brazil.

¶ These authors contributed equally to this work.

\* Corresponding authors: Phone: +55-16-3364-8075. Email: asnascimento@ifsc.usp.br (ASN) or luanagm\_bio@yahoo.com.br (LGM).





**Supplementary Figure 1**. SDS gels with the soluble protein recovered after expression and affinity purification of selected targets in *E. coli* Rosetta 2 strain. For most of the targets (*e.g*., **T11**, **T4**, **T2**, **T6**, **T14**), only marginal soluble expression could be detected by the gel intensities. For other targets, such as **T3**, **T5**, **T8**, for example, some soluble protein was recovered in this strain.