**Supplementary File 1. Antibodies used in this study**

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| **Antibody** | **Reference** |
| Anti-actin1 | (Angrisano, Riglar et al. 2012), RRID: AB\_2665920 |
| Anti-CPN60 (apicoplast) | (Agrawal, van Dooren et al. 2009) |
| Anti-RON4 | (Richard, MacRaild et al. 2010) |
| Anti-GAP45 | (Jones, Kitson et al. 2006) |
| Anti-MTIP | (Jones, Kitson et al. 2006) |
| Anti-Enolase | (Dutta, Tewari et al. 2018) |
| Anti-HA | Roche (Cat #118743100) |
| Anti-YFP | Abcam (Cat #ab6556) |
| Anti-Atrx1 | (DeRocher, Coppens et al. 2008) |
| Anti-G2Trx | Biddau and Sheiner, unpublished. |
| Anti-TOM40 | (van Dooren, Yeoh et al. 2016), (Ovciarikova, Lemgruber et al. 2017) |

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