

Table S2. Characteristics of the single recombinant proteins.

| Recombinant protein | Amino acid residues | Mw [kDa] | pI | Reference |
|---------------------|---------------------|----------|------|-----------|
| AMA1 | from 67-569 | 61.29 | 5.97 | [1] |
| AMA1C | from 287-569 | 35.91 | 5.41 | [1] |
| AMA1N | from 67-287 | 32.07 | 8.41 | [1] |
| BAG1 | from 1-229 | 30.60 | 6.45 | [2] |
| BSR4 | from 33-356 | 40.40 | 5.90 | [2] |
| GRA1 | from 24-190 | 24.09 | 4.79 | [3] |
| GRA2 | from 51-185 | 23.49 | 6.91 | [4] |
| GRA4 | from 20-279 | 31.87 | 7.22 | [2] |
| GRA5 | from 26-94 | 15.90 | 6.45 | [5] |
| GRA6 | from 30-231 | 27.24 | 6.00 | [6] |
| GRA7 | from 18-236 | 32.60 | 5.77 | [3] |
| GRA9 | from 21-318 | 38.86 | 5.92 | [2] |
| LDH1 | from 1-329 | 41.70 | 5.99 | [2] |
| LDH2 | from 1-326 | 41.50 | 6.25 | [2] |
| MAG1 | from 30-222 | 23.81 | 4.94 | [7] |
| MIC1 | from 25-456 | 52.00 | 5.89 | [8] |
| MIC1ex2 | from 25-182 | 24.50 | 7.79 | [8] |
| MIC1ex3,4 | from 183-456 | 35.90 | 4.97 | [8] |
| MIC3 | from 67-359 | 36.52 | 6.45 | [2] |
| P35 | from 26-170 | 21.30 | 6.85 | [6] |
| ROP1 | from 85-396 | 39.11 | 6.66 | [4] |
| SAG1 | from 49-313 | 33.42 | 6.75 | [3] |
| SAG2 | from 30-170 | 20.50 | 6.88 | [6] |
| SAG4 | from 26-150 | 19.24 | 7.61 | [2] |

Reference

1. Ferra, B.; Holec-Gąsior, L.; Gałkowska, J.; Dziadek, B.; Dzitko, K. *Toxoplasma Gondii* Recombinant Antigen AMA1: Diagnostic Utility of Protein Fragments for the Detection of IgG and IgM Antibodies. *Pathogens* **2020**, *9*, doi:10.3390/pathogens9010043.
2. Holec-Gasior, L.; Ferra, B.; Hiszczyńska-Sawicka, E.; Kur, J. The Optimal Mixture of *Toxoplasma Gondii* Recombinant Antigens (GRA1, P22, ROP1) for Diagnosis of Ovine Toxoplasmosis. *Vet Parasitol* **2014**, *206*, 146–152, doi:10.1016/j.vetpar.2014.09.018.
3. Hiszczyńska-Sawicka, E.; Brilowska-Dąbrowska, A.; Dąbrowski, S.; Pietkiewicz, H.; Myjak, P.; Kur, J. High Yield Expression and Single-Step Purification of *Toxoplasma Gondii* SAG1, GRA1, and GRA7 Antigens in *Escherichia Coli*. *Protein Expr Purif* **2003**, *27*, 150–157, doi:10.1016/S1046-5928(02)00593-4.
4. Holec-Gasior, L.; Kur, J.; Hiszczyńska-Sawicka, E. GRA2 and ROP1 Recombinant Antigens as Potential Markers for Detection of *Toxoplasma Gondii*-Specific Immunoglobulin G in Humans with Acute Toxoplasmosis. *Clin Vaccine Immunol* **2009**, *16*, 510–514, doi:10.1128/0140-7841.00341-08.
5. Holec-Gasior, L.; Kur, J. *Toxoplasma Gondii*: Recombinant GRA5 Antigen for Detection of Immunoglobulin G Antibodies Using Enzyme-Linked Immunosorbent Assay. *Exp Parasitol* **2010**, *124*, 272–278, doi:10.1016/J.EXPPARA.2009.10.010.
6. Hiszczyńska-Sawicka, E.; Kur, J.; Pietkiewicz, H.; Holec, L.; Gąsior, A.; Myjak, P. Efficient Production of the *Toxoplasma Gondii* GRA6, P35 and SAG2 Recombinant Antigens and Their Applications in the Serodiagnosis of Toxoplasmosis. *Acta Parasitol* **2005**, *50*, 249–254.

7. Holec, L.; Hiszczyńska-Sawicka, E.; Gasior, A.; Brillowska-Dąbrowska, A.; Kur, J. Use of MAG1 Recombinant Antigen for Diagnosis of *Toxoplasma Gondii* Infection in Humans. *Clin Vaccine Immunol* **2007**, *14*, 220–225, doi:10.1128/CVI.00419-06.
8. Holec, L.; Gasior, A.; Brillowska-Dąbrowska, A.; Kur, J. *Toxoplasma Gondii*: Enzyme-Linked Immunosorbent Assay Using Different Fragments of Recombinant Microneme Protein 1 (MIC1) for Detection of Immunoglobulin G Antibodies. *Exp Parasitol* **2008**, *119*, 1–6, doi:10.1016/j.exppara.2007.12.002.