**Online-only supplementary material**

**Table S1** Summary of included studies

| Reference                  | Patients (n) + diagnosis | Healthy controls (n) | Exposure to toxoplasmosis assessment | Confirmed association hypothesis |
|----------------------------|--------------------------|----------------------|--------------------------------------|----------------------------------|
| Afifi 2018<sup>27</sup>    | 40 (BD)                  | 25                   | ELISA                               | Yes                              |
| Alipour 2011<sup>47</sup>  | 62 (SZ)                  | 62                   | ELISA                               | Yes                              |
| Pearce 2019<sup>60</sup>   | 66 (BD)                  | 396                  | EIA                                 | No                               |
| Alvarado-Esquível 2011<sup>48</sup> | 50 (SZ)                | 150                  | ELISA                               | Yes                              |
| Ansari-Lari 2017<sup>49</sup> | 99 (SZ)                  | 152                  | ELISA                               | Yes                              |
| Blomström 2012<sup>20</sup> | 47 (SZ)                  | 124                  | ELISA                               | Yes                              |
| Campos-Carli 2017<sup>22</sup> | 48  (SZ)                | 40                   | ELISA                               | No                               |
| Cetinkaya 2007<sup>24</sup> | 100 (SZ)                 | 50                   | ELISA                               | Yes (SZ)                         |
|                           |                          | 50 (MDD)             |                                     | No (MDD)                         |
| Chen 2019<sup>21</sup>     | 343 (SZ)                 | 681                  | ELISA                               | Yes (SZ and BD)                  |
|                           | 115 (BD)                 |                      |                                     | No (MDD)                         |
|                           | 61 (MDD)                 |                      |                                     |                                  |
| Dogruman-Al 2009<sup>,50</sup> | 88 (SZ)                 | 88                   | ELISA                               | Yes                              |
| Emelia 2012<sup>35</sup>   | 188 (SZ)                 | 188                  | ELISA                               | No                               |
| Esshili 2016<sup>19</sup>  | 246 (SZ)                 | 117                  | ELISA                               | Yes                              |
| Frye 2019<sup>29</sup>     | 1207 (BD)                | 745                  | ELISA                               | No                               |
| Hamdani 2013<sup>58</sup>  | 110 (BD)                 | 106                  | ELISA                               | Yes                              |
| Hamdani 2015<sup>61</sup>  | 42 (BD)                  | 36                   | ELISA                               | Yes                              |
| Hamdani 2018<sup>26</sup>  | 124 (BD)                 | 135                  | ELISA                               | Yes (BD)                         |
|                           | 75 (SZ)                  |                      |                                     | No (SZ)                          |
| Hamidinejat 2010<sup>51</sup> | 98  (SZ)                | 96                   | ELISA                               | Yes                              |
| Hinze-Selch 2007<sup>11</sup> | 277 (SZ)                | 214                  | EIA                                 | No (SZ and MDD)                  |
|                           | 456 (MDD)                |                      |                                     |                                  |
| Horacek 2012<sup>36</sup>  | 44 (SZ)                  | 56                   | ELISA                               | No                               |
| Karabulut 2015<sup>52</sup> | 85 (SZ)                  | 60                   | ELISA                               | No                               |
| Khademvatan 2014<sup>53</sup> | 100 (SZ)                 | 95                   | ELISA                               | No                               |
| Khademvatan 2014b<sup>31</sup> | 100 (SZ)                 | 200                  | ELISA                               | No                               |
| Morais 2017<sup>23</sup>   | 34 (SZ)                  | 85                   | Chemiluminescence                   | Yes                              |
| Mortensen 2007<sup>18</sup> | 186 (SZ)                 | 682                  | ELISA                               | Yes (SZ)                         |
|                           | 26 (BD)                  |                      |                                     | No (BD)                          |
| Mortensen 2011<sup>28</sup> | 127 (BD)                 | 127                  | ELISA                               | No                               |
| Oliveira 2016<sup>27</sup> | 138 (BD)                 | 167                  | ELISA                               | Yes                              |
| Omar 2015<sup>54</sup>     | 101 (SZ)                 | 55                   | ELISA                               | Yes                              |
| Pearce 2012<sup>62</sup>   | 183 (SZ)                 | 137                  | EIA                                 | No                               |
| Tamer 2008<sup>55</sup>    | 40 (SZ)                  | 37                   | ELISA                               | Yes                              |
| Yolken 2017<sup>25</sup>   | 752 (SZ)                 | 571                  | ELISA                               | No (SZ, BD and MDD)              |
|                           | 444 (BD)                 |                      |                                     |                                  |
|                           | 64 (MDD)                 |                      |                                     |                                  |
| Yuksel 2010<sup>56</sup>   | 300 (SC)                 | 150                  | ELISA                               | Yes                              |

BD = bipolar disorder; ELISA = enzyme-linked immunosorbent assay; MDD = major depressive disorder; SZ = schizophrenia.