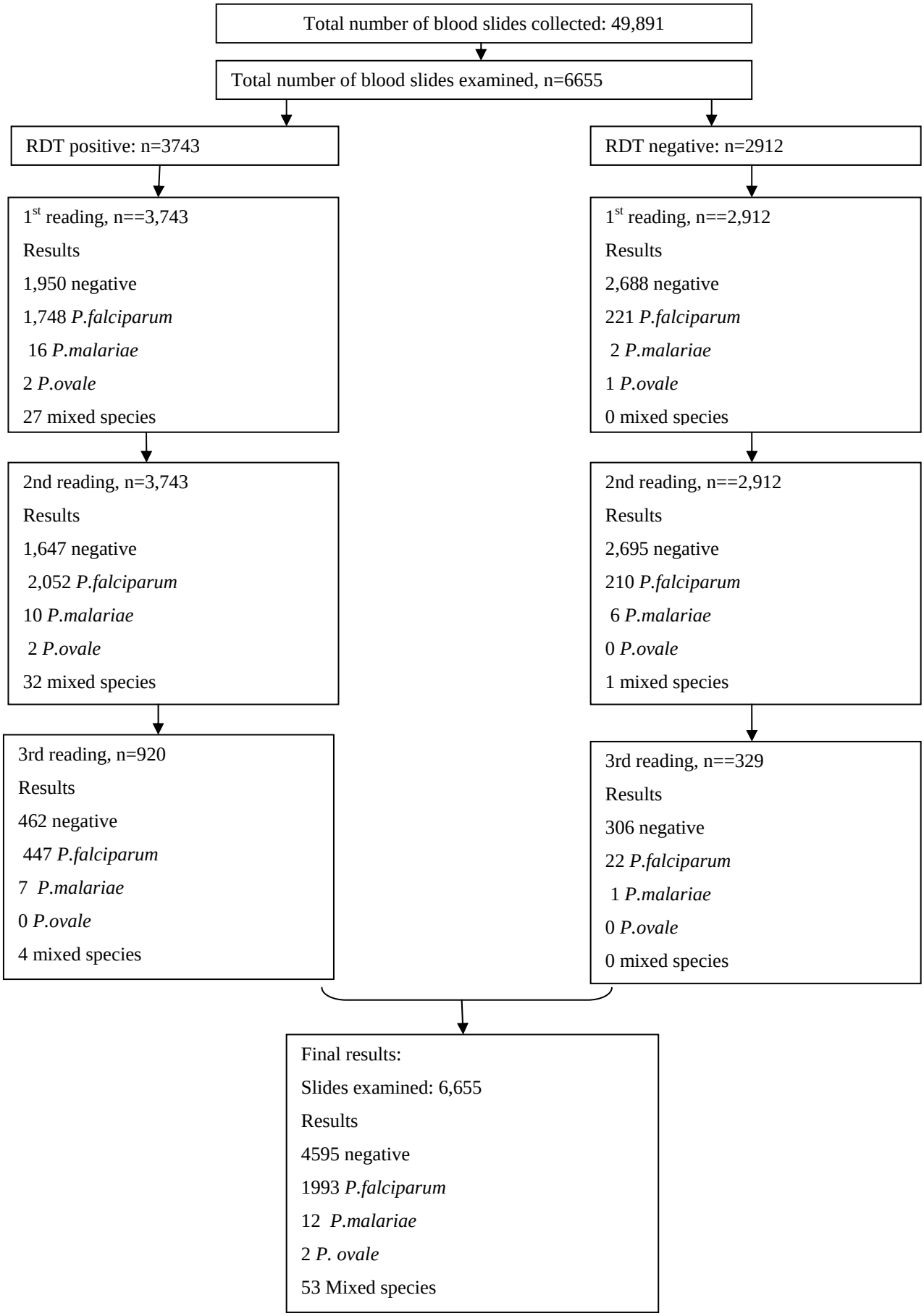Additional file 2. Microscopy results flowchart