**Supp. File 1: Location names and coordinates for samples examined**

**Supplementary table**: Details of the field sites where schistosome miracidium were collected from school children stool and urine samples.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Schistosome**  **species** | **Location** | **Country** | **Village /**  **School** | **Latitude** | **Longitude** | **Collection**  **date** |
| *Schistosoma*  *mansoni* | East  Africa | Tanzania | Nyamazugo | -2.55731 | 32.54214 | 2012 |
| Sekagi | -2.39005 | 33.09819 | 2012 |
| Kigongo | -2.70955 | 32.89879 | 2012 |
| Kabita | -2.31845 | 33.64372 | 2012 |
| Katunguru | -2.50537937 | 32.67316932 | 2012 |
| Luchelele | -2.61916 | 32.8733 | 2012 |
| Nyandago | -2.69974 | 31.85495 | 2012 |
| West  Africa | Senegal | Nder | 16.259306 | -15.883925 | 2007/2008 |
| Temeye | 16.333483 | -15.766183 | 2007 |
| Niger | Namarigoungou | 14.3554 | 1.2627 | 2006/2007 |
| Diambala | 14.31376 | 1.299648 | 2007 |
| Cameroon | Bessoum | 9.13562 | 13.71521 | 2007 |
| *Schistosoma*  *haematobium* | East  Africa | Tanzania  (Zanzibar  archipelago) | Chambani  *(Pemba)* | -5.333333 | 39.783333 | 2011 |
| Ngwachani  *(Pemba)* | -5.316667 | 39.75 | 2011 |
| Chanjamjamiri  *(Pemba)* | -5.2991833333 | 39.7607333333 | 2011 |
| Michakaini  *(Pemba)* | -5.233333 | 39.766667 | 2011 |
| Uwandani  *(Pemba)* | -6.3 | 39.266667 | 2011 |
| Pujini  *(Pemba)* | -5.3 | 39.8 | 2011 |
| Shumba Viamboni  *(Pemba)* | -5.0028833333 | 39.7719333333 | 2011 |
| Kizimbani  *(Pemba)* | -5.116667 | 39.733333 | 2011 |
| Mzambarauni  *(Pemba)* | -5.083333 | 39.766667 | 2011 |
| Konde B  *(Pemba)* | -4.95 | 39.75 | 2011 |
| Piki  *(Pemba)* | -5.116667 | 39.766667 | 2011 |
| Wingwi  *(Pemba)* | -5 | 39.833333 | 2011 |
| Ng’ombeni  *(Pemba)* | -5.3521833333 | 39.6473666667 | 2011 |
| Vitongoji  *(Pemba)* | -5.233333 | 39.833333 | 2011 |
| Bububu  *(Unguja)* | -5.933333 | 39.233333 | 2011 |
| Chaani  *(Unguja)* | -5.95 | 39.3 | 2011 |
| Fujoni  *(Unguja)* | -6 | 39.2 | 2011 |
| Regeza Mwendo  *(Unguja)* | -6.14946667 | 39.25723333 | 2011 |
| Kinyasini  *(Unguja)* | -5.733333 | 39.3 | 2011 |
| Mahonda  *(Unguja)* | -6 | 39.25 | 2011 |
| Kitope  *(Unguja)* | -6.016667 | 39.266667 | 2011 |
| Mchangani  *(Unguja)* | -6.05 | 39.316667 | 2011 |
| Mwera  *(Unguja)* | -6.15 | 39.283333 | 2011 |
| Kiboje  *(Unguja)* | -6.083333 | 39.3 | 2011 |
| Kombeni  *(Unguja)* | -6.25 | 39.266667 | 2011 |
| Mwenge  *(Unguja)* | -6.05865 | 39.25426667 | 2011 |
| West  Africa | Niger | Daikaina Bell | 14.1875213979 | 1.4863100513 | 2013 |
| Dokimana | 13.0279 | 2.3301 | 2013 |
| Karma | 13.671667 | 1.815 | 2013 |
| Lata | 13.766667 | 1.666667 | 2013 |
| Libore Tonko | 13.4034 | 2.1919 | 2013 |
| Namarde Goungou | 13.6182 | 1.8801 | 2013 |
| Seberi | 13.294 | 2.3462 | 2013 |
| Tiaguirire | 13.271 | 2.3165 | 2013 |
| Yoreize kouara | 13.6121 | 1.8648 | 2013 |
| Youri | 13.3342 | 2.2475 | 2013 |