**S1 Table 1. DIS genotypes of males collected in swarms -** The number of individuals with given genotypes (count) and total number of individuals genotyped (N Total) per swarm type, sampling location, and year of collection are indicated. The two males with X-chromosomes non-matching that the swarm type they were captured from are shown in yellow lettering, the two hybrid male genotypes detected in red. DIS loci are described through their base-pair position (red positions are closest to centromeres) and chromosomal division. For each locus, homozygous (or hemizygous for X in males) genotypes characteristic of *An. coluzzii* are shaded in light blue and those of *An. gambiae.* in dark blue, heterozygous genotypes in yellow

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | Chromosome X | | | | | | | Chromosome 2L | | | | | Chromosome 3L | | |
| Sampling location | | Swarm characteristics | | | 5D | 6 | | | | | | 20A | 20B | 20C | | | 38A | | |
| Locality | Year | Type | Count | N Total | 20015634 | 22105429 | 22105860 | 22497157 | 22750432 | 22750572 | 22944682 | 209536 | 1274353 | 2430786 | 2430915 | 2431005 | 296897 | 387877 | 413944 |
| Bana | 2012 | *An. coluzzii* | 1 | 65 | C | A | T | A | G | G | T | C:C | A:A | C:C | A:A | C:C | G:G | G:G | T:T |
| Bana | 2012 | *An. coluzzii* | 1 | 65 | C | A | T | A | G | G | T | C:C | A:A | T:C | G:A | T:C | G:G | G:G | T:T |
| Bana | 2012 | *An. coluzzii* | 1 | 65 | C | A | T | A | G | G | T | C:C | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| Bana | 2012 | *An. coluzzii* | 3 | 65 | C | A | T | A | G | G | T | C:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| Bana | 2012 | *An. coluzzii* | 1 | 65 | C | A | T | A | G | G | T | C:C | A:G | T:T | G:G | T:T | G:G | G:G | T:T |
| Bana | 2012 | *An. coluzzii* | 4 | 65 | C | A | T | A | G | G | T | T:C | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| Bana | 2012 | *An. coluzzii* | 12 | 65 | C | A | T | A | G | G | T | T:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| Bana | 2012 | *An. coluzzii* | 1 | 65 | C | A | T | A | G | G | T | T:C | A:G | T:T | G:G | T:T | G:G | G:G | T:T |
| Bana | 2012 | *An. coluzzii* | 41 | 65 | C | A | T | A | G | G | T | T:T | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| Bana | 2012 | *An. gambiae* | 57 | 57 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | A:A | A:A | C:C |
| Soumousso | 2006 | *An. gambiae* | 2 | 28 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | G:A | G:A | T:C |
| Soumousso | 2006 | *An. gambiae* | 26 | 28 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | A:A | A:A | C:C |
| Soumousso | 2007 | *An. coluzzii* | 30 | 36 | C | A | T | A | G | G | T | C:C | A:A | C:C | A:A | C:C | G:G | G:G | T:T |
| Soumousso | 2007 | *An. coluzzii* | 1 | 36 | C | A | T | A | G | G | T | C:C | A:A | T:C | G:A | T:C | G:G | G:G | T:T |
| Soumousso | 2007 | *An. coluzzii* | 5 | 36 | C | A | T | A | G | G | T | T:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| Soumousso | 2007 | *An. gambiae* | 2 | 374 | C | A | T | A | G | G | T | T:T | G:G | T:T | G:G | T:T | A:A | A:A | C:C |
| Soumousso | 2007 | *An. gambiae* | 1 | 374 | A | T | C | G | A | T | G | T:C | A:G | T:T | G:G | T:T | A:A | A:A | C:C |
| Soumousso | 2007 | *An. gambiae* | 1 | 374 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| Soumousso | 2007 | *An. gambiae* | 14 | 374 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | G:A | G:A | T:C |
| Soumousso | 2007 | *An. gambiae* | 356 | 374 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | A:A | A:A | C:C |
| Soumousso | 2008 | *An. gambiae* | 1 | 176 | A | T | C | G | A | T | G | T:C | A:G | T:C | G:A | T:C | G:A | G:A | T:C |
| Soumousso | 2008 | *An. gambiae* | 10 | 176 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | G:A | G:A | T:C |
| Soumousso | 2008 | *An. gambiae* | 1 | 176 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | G:A | A:A | C:C |
| Soumousso | 2008 | *An. gambiae* | 164 | 176 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | A:A | A:A | C:C |
| Soumousso | 2011 | *An. coluzzii* | 1 | 15 | C | A | T | A | G | G | T | C:C | A:A | C:C | A:A | C:C | G:G | G:G | T:T |
| Soumousso | 2011 | *An. coluzzii* | 1 | 15 | C | A | T | A | G | G | T | C:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| Soumousso | 2011 | *An. coluzzii* | 1 | 15 | C | A | T | A | G | G | T | T:C | G:G | T:C | G:A | T:C | G:G | G:G | T:T |
| Soumousso | 2011 | *An. coluzzii* | 8 | 15 | C | A | T | A | G | G | T | T:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| Soumousso | 2011 | *An. coluzzii* | 1 | 15 | C | A | T | A | G | G | T | T:T | G:G | T:C | G:A | T:C | G:G | G:G | T:T |
| Soumousso | 2011 | *An. coluzzii* | 3 | 15 | C | A | T | A | G | G | T | T:T | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| Soumousso | 2011 | *An. gambiae* | 1 | 74 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | G:A | G:A | T:C |
| Soumousso | 2011 | *An. gambiae* | 73 | 74 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | A:A | A:A | C:C |
| VK7 | 2006 | *An. coluzzii* | 17 | 67 | C | A | T | A | G | G | T | C:C | A:A | C:C | A:A | C:C | G:G | G:G | T:T |
| VK7 | 2006 | *An. coluzzii* | 1 | 67 | C | A | T | A | G | G | T | T:C | A:A | C:C | A:A | C:C | G:G | G:G | T:T |
| VK7 | 2006 | *An. coluzzii* | 1 | 67 | C | A | T | A | G | G | T | T:C | G:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2006 | *An. coluzzii* | 1 | 67 | C | A | T | A | G | G | T | T:C | A:G | T:C | A:A | T:C | G:G | G:G | T:T |
| VK7 | 2006 | *An. coluzzii* | 27 | 67 | C | A | T | A | G | G | T | T:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2006 | *An. coluzzii* | 1 | 67 | C | A | T | A | G | G | T | T:C | A:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2006 | *An. coluzzii* | 17 | 67 | C | A | T | A | G | G | T | T:T | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2006 | *An. coluzzii* | 2 | 67 | C | A | T | A | G | G | T | T:T | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2006 | *An. gambiae* | 1 | 16 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | G:A | G:A | T:C |
| VK7 | 2006 | *An. gambiae* | 15 | 16 | A | T | C | G | A | T | G | T:T | G:G | T:T | G:G | T:T | A:A | A:A | C:C |
| VK7 | 2008 | *An. coluzzii* | 9 | 493 | C | A | T | A | G | G | T | C:C | A:A | C:C | A:A | C:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 2 | 493 | C | A | T | A | G | G | T | C:C | A:A | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 3 | 493 | C | A | T | A | G | G | T | C:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 3 | 493 | C | A | T | A | G | G | T | T:C | G:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 30 | 493 | C | A | T | A | G | G | T | T:C | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 2 | 493 | C | A | T | A | G | G | T | T:C | A:G | C:C | A:A | C:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 1 | 493 | C | A | T | A | G | G | T | T:C | A:G | T:C | A:A | T:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 91 | 493 | C | A | T | A | G | G | T | T:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 13 | 493 | C | A | T | A | G | G | T | T:C | A:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 5 | 493 | C | A | T | A | G | G | T | T:T | G:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 328 | 493 | C | A | T | A | G | G | T | T:T | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 1 | 493 | C | A | T | A | G | G | T | T:T | G:G | T:T | G:G | T:T | G:A | G:A | T:C |
| VK7 | 2008 | *An. coluzzii* | 5 | 493 | C | A | T | A | G | G | T | T:T | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 9 | 622 | C | A | T | A | G | G | T | C:C | A:A | C:C | A:A | C:C | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 2 | 622 | C | A | T | A | G | G | T | C:C | A:A | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 1 | 622 | C | A | T | A | G | G | T | C:C | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 6 | 622 | C | A | T | A | G | G | T | C:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 2 | 622 | C | A | T | A | G | G | T | T:C | G:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 46 | 622 | C | A | T | A | G | G | T | T:C | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 87 | 622 | C | A | T | A | G | G | T | T:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 1 | 622 | C | A | T | A | G | G | T | T:C | A:G | T:C | G:A | T:C | G:A | G:A | T:C |
| VK7 | 2011 | *An. coluzzii* | 26 | 622 | C | A | T | A | G | G | T | T:C | A:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 22 | 622 | C | A | T | A | G | G | T | T:T | G:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 418 | 622 | C | A | T | A | G | G | T | T:T | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 2 | 622 | C | A | T | A | G | G | T | T:T | A:G | T:C | G:A | T:C | G:G | G:G | T:T |

**S1 Table 2. DIS genotypes of females collected in swarms -** The number of individuals with given genotypes (Count) and total number of individuals genotyped (N Total) per swarm type, sampling location, and year of collection are shown. DIS loci are described through their base-pair position (red positions are closest to centromeres) and chromosomal division. For each locus, homozygous (or hemizygous for X in males) genotypes characteristic of *An. coluzzii* are shaded in light blue and those of *An. gambiae.* in dark blue, heterozygous genotypes in yellow

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | Chromosome X | | | | | | | Chromosome 2L | | | | | Chromosome 3L | | |
| Sampling location | | Swarm characteristics | | | 5D | 6 | | | | | | 20A | 20B | 20C | | | 38A | | |
| Locality | Year | Type | Count | N Total | 20015634 | 22105429 | 22105860 | 22497157 | 22750432 | 22750572 | 22944682 | 209536 | 1274353 | 2430786 | 2430915 | 2431005 | 296897 | 387877 | 413944 |
| Soumousso | 2007 | *An. gambiae* | 14 | 14 | A:A | T:T | C:C | G:G | A:A | T:T | G:G | T:T | G:G | T:T | G:G | T:T | A:A | A:A | C:C |
| Soumousso | 2008 | *An. gambiae* | 2 | 39 | A:A | T:T | C:C | G:G | A:A | T:T | G:G | T:T | G:G | T:T | G:G | T:T | G:A | G:A | T:C |
| Soumousso | 2008 | *An. gambiae* | 37 | 39 | A:A | T:T | C:C | G:G | A:A | T:T | G:G | T:T | G:G | T:T | G:G | T:T | A:A | A:A | C:C |
| Soumousso | 2011 | *An. gambiae* | 1 | 15 | A:A | T:T | C:C | G:G | A:A | T:T | G:G | T:T | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| Soumousso | 2011 | *An. gambiae* | 14 | 15 | A:A | T:T | C:C | G:G | A:A | T:T | G:G | T:T | G:G | T:T | G:G | T:T | A:A | A:A | C:C |
| VK7 | 2006 | *An. coluzzii* | 1 | 1 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 1 | 142 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | C:C | A:A | C:C | A:A | C:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 1 | 142 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | C:C | A:A | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 1 | 142 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:C | G:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 7 | 142 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:C | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 1 | 142 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:C | A:G | C:C | A:A | C:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 19 | 142 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 1 | 142 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:C | A:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 5 | 142 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:T | G:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 105 | 142 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:T | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2008 | *An. coluzzii* | 1 | 142 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:T | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 1 | 50 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | C:C | A:A | C:C | A:A | C:C | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 5 | 50 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:C | G:G | T:T | G:G | T:T | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 10 | 50 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:C | A:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 1 | 50 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:T | G:G | T:C | G:A | T:C | G:G | G:G | T:T |
| VK7 | 2011 | *An. coluzzii* | 33 | 50 | C:C | A:A | T:T | A:A | G:G | G:G | T:T | T:T | G:G | T:T | G:G | T:T | G:G | G:G | T:T |