**Table S2: Seasonal variation in *Anopheles* and their KDR distribution**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **District** | **Sub county** | **Village** | **Season** | **Mosquitoes species** | **# Mosquitoes tested** | **# No amplification samples** | **Homozygote mutation (RR)** | **Homozygote wild type (SS)** | **Resistance status** |
| Agago | Parabongo | Jinja | Dry season | *An. arabiensis* | 1 |   |   | 1 | Susceptible |
| Agago | Parabongo | Jinja | Dry season | *An. gambiae s.s.* | 2 |   |   | 2 | Susceptible |
| Agago | Parabongo | Jinja | Rainy season | *An. arabiensis* | 4 | 1 |   | 3 | Susceptible |
| Agago | Parabongo | Jinja | Rainy season | *An. gambiae s.s.* | 35 | 13 |   | 25 | Susceptible |
| Agago | Agago Trading Centre | Olworguu  | Rainy season | *An. arabiensis* | 1 | 1 |   |   |   |
| Agago | Agago Trading Centre | Olworguu  | Rainy season | *An. gambiae s.s.* | 6 | 5 |   | 1 | Susceptible |
| Agago | Parabongo | Yot Kom | Dry season | *An. gambiae s.s.* | 6 | 6 |   |   |   |
| Agago | Parabongo | Yot Kom | Rainy season | *An. arabiensis* | 3 | 2 |   | 1 | Susceptible |
| Agago | Parabongo | Yot Kom | Rainy season | *An. gambiae s.s.* | 9 | 6 |   | 3 | Susceptible |
| Gulu | Unyama | Ajuku | Dry season | *An. gambiae s.s.* | 4 | 3 |   | 1 | Susceptible |
| Gulu | Unyama | Akonyibedo | Dry season | *An. gambiae s.s.* | 1 | 1 |   |   |   |
| Gulu | Unyama | Akonyibedo | Rainy season | *An. gambiae s.s.* | 2 | 1 |   | 1 | Susceptible |
| Gulu | Awach | Pageya | Rainy season | *An. arabiensis* | 1 | 1 |   |   | Susceptible |
| Gulu | Awach | Pageya | Rainy season | *An. gambiae s.s.* | 10 | 3 |   | 7 | Susceptible |
| Kitgum | Kitgum Matidi | Punu col  | Dry season | *An. gambiae s.s.* | 5 | 3 |   | 2 | Susceptible |
| Kitgum | Layamo | Lelamur | Rainy season | *An. gambiae s.s.* | 1 | 1 |   |   |   |
| Kitgum | Kitgum Matidi | Putuke East | Dry season | *An. gambiae s.s.* | 8 | 6 |   | 2 | Susceptible |
| Lamwo | Padibe West | Ram Ram | Rainy season | *An. gambiae s.s.* | 5 | 4 |   | 1 | Susceptible |
| Lamwo | Padibe Trading Centre | Kamama Central | Rainy season | *An. gambiae s.s.* | 1 | 1 |   |   |   |
| Oyam | Acaba | Barowor | Dry season | *An. gambiae s.s.* | 1 |   |   | 1 | Susceptible |
| Oyam | Acaba | Barowor | Rainy season | *An. arabiensis* | 5 | 3 | 2 |   | Resistant |
| Oyam | Acaba | Barowor | Rainy season | *An. gambiae s.s.* | 16 | 10 | 5 | 1 | Resistant |
| Oyam | Minakulu | Bungiping | Rainy season | *An. arabiensis* | 4 | 3 |   | 1 | Susceptible |
| Oyam | Minakulu | Bungiping | Rainy season | *An. gambiae s.s.* | 93 |   | 2 | 8 | Susceptible |
| Oyam | Minakulu | Bungiping | Dry season | *An. arabiensis* | 3 | 2 |   | 1 | Susceptible |
| Oyam | Minakulu | Bungiping | Dry season | *An. gambiae s.s.* | 40 |   | 3 | 2 | Susceptible/Resistant |
| Oyam | Minakulu | Obapo | Dry season | *An. gambiae s.s.* | 7 |   | 1 | 4 | Susceptible |
| Pader | Ogom | Telela Centra | Rainy season | *An. gambiae s.s.* | 1 |   |   | 1 | Susceptible |
| Pader | Ogom | Owaleng Valley | Rainy season | *An. gambiae s.s.* | 1 |   |   | 1 | Susceptible |