**Table S1. Profiles of the 50 selected African sorghum genotypes, their biological status and origins used in the study**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Entry No**  | **Genotype code**  | **Genotype identity**  | **Biological status**  | **Locality/ Province**  | **Country of origin** |
| 1 | Macia  | Macia  | Commercial variety | \_ \_ \_ \_ \_ | \_ \_ \_ \_ \_  |
| 2 | ICR61 | IS13813. | Landrace | KwaZulu-Natal | South Africa |
| 3 | SV 4 | SV 4 | Commercial variety | \_ \_ \_ \_ \_  |  \_ \_ \_ \_ \_  |
| 4 | GB 56 | NGB 3092  | Landrace | Tsholotsho | Zimbabwe  |
| 5 | ICR 34 | IS 3574  | Landrace | Kassala | Sudan |
| 6 | ICR5 | IS12391 |  |  |  |
| 7 | ICR 20 | IS 13904 | Landrace | KwaZulu-Natal  | South Africa  |
| 8 | ICR 21  | IS 24272 | Research Material | \_ \_ \_ \_ \_ | Tanzania  |
| 9 | GB 61  | NGB 3124 | Landrace | Murehwa  | Zimbabwe  |
| 10 | ICR 19  | IS 29925 | Landrace | Hwange  | Zimbabwe  |
| 11 | ICR 17 | IS 9405 | Landrace | Maseru | Lesotho  |
| 12 | GB 13  | NGB 3127 | Landrace | Chipinge | Zimbabwe  |
| 13 | ICR 8 | IS 30047 | Landrace | Hwange  | Zimbabwe  |
| 14 | IGR 52 | IS 26191  | Landrace | Savanes  | Togo |
| 15 | GB 92 | NGB 3093  | Research Material | Chiredzi | Zimbabwe  |
| 16 | GB 98  | NGB 1178 | Research Material | Chiredzi | Zimbabwe  |
| 17 | GB 185  | NGB 1699 | Research Material | Chiredzi | Zimbabwe  |
| 18 | GB 82 | NGB 3102  | Research Material | Chiredzi | Zimbabwe  |
| 19 | GB 172 | NGB 1695 | Landrace | Murehwa  | Zimbabwe  |
| 20 | GB 175 | NPGRC1593 | Research Material | Chiredzi | Zimbabwe |
| 21 | GB 30 | NGB 1862  | Landrace | Nyanga  | Zimbabwe  |
| 22 | GB 43  | NGB 3283  | Landrace | Nyanga  | Zimbabwe  |
| 23 | GB 15 | NGB 3195 | Landrace | Chiredzi | Zimbabwe  |
| 24 | GB 144 | NGB 3087 | Landrace | Murehwa  | Zimbabwe  |
| 25 | GB 102 | NGB 3133 | Landrace | Chiredzi | Zimbabwe  |
| 26 | GB 136  | NGB 1156 | Landrace | Nyanga  | Zimbabwe  |
| 27 | GB 124 | NGB 3105 | Landrace | Murehwa  | Zimbabwe  |
| 28 | GB 94 | NGB 1759 | Research Material | Nyanga  | Zimbabwe  |
| 29 | GB 175 | NGB 1593 | Research Material | Chiredzi | Zimbabwe  |
| 30 | ICR46 | IS9303 | Research material | Pretoria | South Africa |
| 31 | GB59 | NPGRC1628 | - |  |  |
| 32 | GB81 | NPGRC3101 | - |  |  |
| 33 | GB82 | NPGRC1197 | - |  |  |
| 34 | GB84 | NPGRC1868 |  |  |  |
| 35 | GB93 | NPGRC1222 | - |  |  |
| 36 | GB94 | NPGRC1704 | - |  |  |
| 37 | ICR 116 | IS 13837 | Landrace | KwaZulu-Natal  | South Africa  |
| 38 | GB111 | NPGRC1619 | - |  |  |
| 39 | ICR 142  | IS 2419 | Landrace | \_ \_ \_ \_ \_  | Tanzania  |
| 40 | ICR 7 | IS 6944 | Landrace | \_ \_ \_ \_ \_ | Sudan |
| 41 | ICR134 | IS9567 | Research Material | Pretoria | South Africa |
| 42 | ICR 65 | IS 9548 | Research Material | \_ \_ \_ \_ \_ | South Africa  |
| 43 | ICR145 | IS13996 | -- |  |  |
| 44 | GB 88 | NPGRC 1478 | Landrace | Murehwa  | Zimbabwe  |
| 45 | GB92 | NPGRC1782 | - |  |  |
| 46 | GB62 | NPGRC1476 | - |  |  |
| 47 | ICR138 | IS30164 | Landrace | Sanyatwe | Zimbabwe |
| 48 | ICR 16 | IS 30015 | Landrace | Hwange  | Zimbabwe  |
| 49 | ICR104 | IS2847 | - |  |  |
| 50 | ICR76 | IS24426 |  |  |  |