

Supplemental Table 1. Information of the fifty-nine *Oryza glaberrima* accessions introduced from the International Rice Research Institute (IRRI) used for pollen grain and spikelet fertility studies at Yunnan Academy of Agricultural Sciences (YAAS)

| Accession | No. of YAAS | Origin |
|--------------------------------|-----------------|---------------|
| CG17 | FCRI/YAAS 10175 | Cote d'Ivoire |
| IRGC100140 | FCRI/YAAS 11006 | Gambia |
| IRGC100149 | FCRI/YAAS 11007 | Gambia |
| IRGC100156 | FCRI/YAAS 11009 | Gambia |
| IRGC101842 | FCRI/YAAS 11017 | Senegal |
| IRGC101854 | FCRI/YAAS 11018 | B.Faso |
| IRGC101901 | FCRI/YAAS 11021 | Nigeria |
| IRGC102254 | FCRI/YAAS 11028 | Liberia |
| IRGC102295 | FCRI/YAAS 11036 | Liberia |
| IRGC102304 | FCRI/YAAS 11038 | Liberia |
| IRGC102305 | FCRI/YAAS 11039 | Liberia |
| IRGC102310 | FCRI/YAAS 11040 | Liberia |
| IRGC102316 | FCRI/YAAS 11041 | Liberia |
| IRGC102375 | FCRI/YAAS 11052 | Liberia |
| IRGC102513 | FCRI/YAAS 11059 | Liberia |
| IRGC102540 | FCRI/YAAS 11060 | Liberia |
| IRGC102555 | FCRI/YAAS 11062 | Liberia |
| IRGC102556 | FCRI/YAAS 11063 | Liberia |
| IRGC102583 | FCRI/YAAS 11069 | Liberia |
| IRGC102601 | FCRI/YAAS 11070 | Liberia |
| IRGC102671 | FCRI/YAAS 11077 | Liberia |
| IRGC102692 | FCRI/YAAS 11079 | Liberia |
| IRGC102718 | FCRI/YAAS 11080 | Liberia |
| IRGC102726 | FCRI/YAAS 11085 | Liberia |
| IRGC102846 | FCRI/YAAS 11086 | Mali |
| IRGC102928 | FCRI/YAAS 11089 | Mali |
| IRGC102833 | FCRI/YAAS 11090 | Mali |
| IRGC102939 | FCRI/YAAS 11091 | Mali |
| IRGC102950 | FCRI/YAAS 11094 | Mali |
| IRGC102986 | FCRI/YAAS 11095 | Mali |
| IRGC103144 | FCRI/YAAS 11097 | Mali |
| IRGC103145 | FCRI/YAAS 11098 | Mali |
| IRGC103146 | FCRI/YAAS 11099 | Mali |
| IRGC103147 | FCRI/YAAS 11100 | Mali |
| IRGC103232 | FCRI/YAAS 11101 | Mali |
| IRGC103466 | FCRI/YAAS 11104 | B. Faso |
| IRGC103469 | FCRI/YAAS 11105 | B. Faso |
| IRGC103475 | FCRI/YAAS 11111 | Mali |
| IRGC103482 | FCRI/YAAS 11118 | Mali |
| IRGC103483 | FCRI/YAAS 11119 | Mali |
| IRGC103502 | FCRI/YAAS 11123 | Mali |
| IRGC103503 | FCRI/YAAS 11124 | Mali |
| IRGC130612 | FCRI/YAAS 11128 | Mali |
| IRGC103956 | FCRI/YAAS 11134 | Senegal |
| IRGC103973 | FCRI/YAAS 11137 | Nigeria |
| IRGC103976 | FCRI/YAAS 11138 | Nigeria |
| IRGC103977 | FCRI/YAAS 11139 | Nigeria |
| IRGC103983 | FCRI/YAAS 11141 | Nigeria |
| IRGC104005 | FCRI/YAAS 11148 | Nigeria |
| IRGC104021 | FCRI/YAAS 11150 | Guinea-BL. |
| IRGC104023 | FCRI/YAAS 11152 | Guinea-BL. |
| IRGC104025 | FCRI/YAAS 11154 | Guinea-BL. |
| IRGC104032 | FCRI/YAAS 11161 | Guinea-BL. |
| IRGC104038 | FCRI/YAAS 11162 | Senegal |
| IRGC104039 | FCRI/YAAS 11163 | Chad |
| IRGC104162 | FCRI/YAAS 11170 | Guinea |
| IRGC104586 | FCRI/YAAS 11175 | Cameroon |
| <i>O. glaberrima</i> Acc102528 | FCRI/YAAS 11180 | Liberia |
| <i>O. glaberrima</i> Acc102627 | FCRI/YAAS 11181 | Liberia |