**Table S1**. Passport information, pedigree and parentage of the 71 rice genotypes used in the current study.

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| Sl No | **Genotypes** | passport information / pedigree / parentage |
| **Landraces from Goa** |
| 1 | Damgo | 15°43'43''N 73°56'15"E, Anconem, Pernem, North Goa |
| 2 | Mudgo | 15°43'38''N 73°56'27''E, Anconem, Pernem, North Goa |
| 3 | Belo | 15°44'31"N 73°54'12"E, Asapur, Pernem, North Goa |
| 4 | Kalobelo | 15°44'31"N 73°54'09"E, Asapur, Pernem, North Goa |
| 5 | Walayo | 15°45'42"N 73°49'56"E, Torxem, Pernem, North Goa |
| 6 | Kendal | 15°27'01"N 73°55'19"E, Neura, Tiswadi, North Goa |
| 7 | Korgut | 15°33'19"N 73°53'53"E, Chorao Island, Tiswadi, North Goa |
| 8 | Red Kochri | 15°31'44"N 73°48'16"E, Sangolda, Tiswadi North Goa |
| 9 | White Kochri | 15°31'44"N 73°48'16"E, Sangolda, Tiswadi, North Goa |
| 10 | Saalsi | 15°03'07"N 74°09'01"E, Gaondongrim, Canacona, South Goa |
| 11 | Kolyo | 15°01'42"N 74°09'45"E, Cotigao, Canacona, South Goa |
| 12 | Panyo | 15°00'47"N 74°08'03"E, Gaodongrim, Canacona North Goa |
| 13 | Shidde | 15°32'15"N 73°58'36"E, Amona, Tiswadi, North Goa |
| 14 | Xitto | 14°59'19"N 74°09'13"E, Cotigao, Canacona, South Goa |
| 15 | Babri | 15°45'41" N 73°50'05"E, Torxem, Pernem, North Goa |
| 16 | Patni | 15°20'25"N 73°59'28"E, Loutulim, Salcette, South Goa |
| 17 | Khare Mungo | 15°37'35"N 73°45'25"E, Siolim, Bardez, South Goa |
| 18 | Kaloki | 15°32'29"N 73°58'19"E, Bicholim, North Goa |
| **Wild rice from Goa** |
| 19 | GWR 001 | 15°32"02'N 73056"35'E, St estevam, Tiswadi, North Goa |
| 20 | GWR 002 | 15°32"06'N 73056"39'E, St estevam, Tiswadi, North Goa |
| 21 | GWR 003 | 15°33"18'N 73053"56'E, Chorao Island, Tiswadi, North Goa |
| 22 | GWR 004 | 15°30"03'N 73050"47'E, Ribandar, Tiswadi, North Goa |
| 23 | GWR 005 | 15°31"00'N 73054"51'E, Goa Velha, Tiswadi, North Goa |
| 24 | GWR 006 | 15°25"49'N 73054"28'E, Agacaim, Tiswadi, North Goa |
| 25 | GWR 007 | 15°34"03'N 73048"58'E, Mahakhazan, Bardez, North Goa |
| 26 | GWR 008 | 15°36"31'N 73049"27'E, Karaswada, Bardez, North Goa |
| 27 | GWR 009 | 15°34"00'N 73053"30'E, Cavlim, Bardez, North Goa |
| 28 | GWR 010 | 15°34"55'N 73050"26'E, Ucassaim, Bardez, North Goa |
| 29 | GWR 011 | 15°35"00'N 73049"31'E, Bastora, Bardez, North Goa |
| 30 | GWR 012 | 15°20"39'N 73054"36'E, Verna, Salcete, South Goa |
| 31 | GWR 013 | 15°18"02'N 73056"19'E, Nuvem, Salcete, South Goa |
| 32 | GWR 014 | 15°15"00'N 74000"43'E, Sanjwado, Salcete, South Goa |
| 33 | GWR 015 | 15°21"02'N 73059"35'E, Loutulim, Salcete, South Goa |
| 34 | GWR 016 | 15°17"30'N 73055"00'E, Gandaulim, Salcete, South Goa |
| 35 | GWR 017 | 15°14"28'N 73056"04'E, Benaulim, Salcete, South Goa |
| **Landrace from Karnataka** |
| 36 | Jaddu Batta | 14°12"43'N 74055"35'E, Sagar, Shimoga |
| 37 | Budda Batta | 14°05"14'N 75009"18'E, Sagar, Shimoga |
| 38 | Kagga | 14°24"36'N 74023"48'E, Kumta, Uttara Kannada |
| 39 | Halaga | 14°51"10'N 74015"43'E, Karwar, Uttara Kannada |
| 40 | Akkala | 14°34"27'N 74051"30'E, Sirsi, Uttara Kannada |
| 41 | Jedu Kuni Batta | 14°36"40'N 74039"22'E, Sirsi, Uttara Kannada |
| 42 | Giddu Batta | 14°35"57'N 74038"26'E, Sirsi, Uttara Kannada |
| 43 | Padma Rekha | 15°59"59'N 74043"08'E, Yellapur, Uttara Kannada |
| 44 | Burma | 14°33"49'N 74040"05'E, Sirsi, Uttara Kannada |
| 45 | Edu Kuni Batta | 14°35"41'N 75001"56'E, Sirsi, Uttara Kannada |
| 46 | Jig Martiga | 14°32"58'N 75001"37'E, Sirsi, Uttara Kannada |
| 47 | Mallige | 14°20"13'N 74027"38'E, Kumta, Uttara Kannada |
| 48 | Farm Olle | 14°32"49'N 74048"56'E, Kumta, Uttara Kannada |
| 49 | Maharnavami Batta | 13°59"27'N 75009"32'E, Sagara, Shimoga |
| 50 | Somshala Batta | 14°16"41'N 74056"01'E, Sagara, Shimoga |
| 51 | Sanna IET | 14°10"27'N 75011"25'E, Soraba, Shimoga |
|  **Released varieties & Introgression lines**  |
| 52 | CSR 36 | CSR-13/Panvel-2//IR36 |
| 53 | CST 7-1 | Damodar (CSRI) x IR-24 |
| 54 | CSR 10 | M40-431-24-114/Jaya |
| 55 | Pusa 44 | IARI-5901-2 x IR-8 |
| 56 | Samba (*Sub*-1) | IR07F287 |
| 57 | JK 58 | Jyothi X Korgut |
| 58 | JK 238 | Jyothi X Korgut |
| 59 | Panvel 1 | IR 8 X Bhura Rata 4-10 |
| 60 | Panvel 2 | Bhura Rata 4-10 x IR-8 |
| 61 | Panvel 3 | Damodar x Pankaj |
| 62 | KS 16-1 | Selection from Korgut |
| 63 | KS 4 | Selection from Korgut |
| 64 | KS 19-2 | Selection from Korgut |
| 65 | IR 29 | IR833-6-2-1-1///IR1561-149-1///IR24\*4/O. nivara |
| 66 | FL 478 | IR66946-3R-178-1-1 |
| 67 | GRS 1 | IR 87848-301-2-1-3-B |
| 68 | Goa Dhan 1 (KS12) | Selection from Korgut |
| 69 | Goa Dhan 2 (KS17) | Selection from Korgut |
| 70 | Nona Bokra | Landrace from West Bengal |
| 71 | Pokkali | Landrace from Kerala |