S1 Table. Short grain aromatic rice landraces used in the present study and region of their collection

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Accession number** | **Varieties** | **Area of collection** | **State** |
| 1 | 44119 |  Baluchi | Dhenkanal | Orissa |
| 2 | 44120 |  Acharmati-1 | Bolangir | Orissa |
| 3 | 44121 |  Acharmati-2 | Bolangir | Orissa |
| 4 | 44122 |  Basaya bhog | Sundargarh  | Orissa |
| 5 | 44123 |  Basanasapuri | Puri | Orissa |
| 6 | 44124 |  Basua bhog-1 | Anugul | Orissa |
| 7 | 44125 |  Baukunja | Cuttack | Orissa |
| 8 | 44126 |  Basasa phool  | Bolangir | Orissa |
| 9 | 44127 |  Badsabhog | Bolangir | Orissa |
| 10 | 44128 |  Bhatagundi | Koraput | Orissa |
| 11 | 44129 |  Bhadraka Basumati  | Balasore  | Orissa |
| 12 | 44130 |  Basumati-1 | Cuttack | Orissa |
| 13 | 44131 |  Baiganamanji | Bhawanipatna | Orissa |
| 14 | 44132 |  Basaparijata | Kalahandi | Orissa |
| 15 | 44133 |  Basanapuri | Puri | Orissa |
| 16 | 44134 |  Basubhog | Koraput | Orissa |
| 17 | 44135 |  Basanadhan | Koraput | Orissa |
| 18 | 44136 |  Basanaphula | Cuttack | Orissa |
| 19 | 44137 |  Chatianaki | Cuttack | Orissa |
| 20 | 44138 |  Deulabhog-1 | Puri | Orissa |
| 21 | 44139 |  Deulabhog-2 | Puri | Orissa |
| 22 | 44140 |  Dhusara | Cuttack | Orissa |
| 23 | 44141 |  Dubrajsena  | Koraput | Orissa |
| 24 | 44142 |  Durgabhog | Keonjhar | Orissa |
| 25 | 44143 |  Dhurabahila | Koraput | Orissa |
| 26 | 44144 |  Deulabhog-3 | Koraput | Orissa |
| 27 | 44145 |  Dangar Basumati | Koraput | Orissa |
| 28 | 44146 |  Dubraj | Koraput | Orissa |
| 29 | 44147 |  Ganjamlocal-1 | Ganjam | Orissa |
| 30 | 44148 |  Ganjamlocal-2 | Ganjam | Orissa |
| 31 | 44149 |  Ganjeikali | Dhenkanal | Orissa |
| 32 | 44150 |  Jaiphool | Bolangir | Orissa |
| 33 | 44151 |  Jhillipanjar | Cuttack | Orissa |
| 34 | 44152 |  Jala | Keonjhar | Orissa |
| 35 | 44153 |  Jhingisali | Balasore | Orissa |
| 36 | 44154 |  Kalajeera-1 | Mayurbhanj | Orissa |
| 37 | 44155 |  Karpurkali | Ganjam | Orissa |
| 38 | 44156 |  Kalikati-1 | Kalahandi | Orissa |
| 39 | 44157 |  Kala krishna | Kalahandi | Orissa |
| 40 | 44158 |  Kukudajata | Koraput | Orissa |
| 41 | 44159 |  Koiamba-543 | Koraput | Orissa |
| 42 | 44160 |  Kanakchampa | Keonjhar | Orissa |
| 43 | 44161 |  Karpurabasa | Koraput | Orissa |
| 44 | 44162 |  Krishnabhog | Puri | Orissa |
| 45 | 44163 |  Kalajiri-1 | Puri | Orissa |
| 46 | 44164 |  Karpurazeera | Kalahandi | Orissa |
| 47 | 44165 |  Kendumanjee  | Koraput | Orissa |
| 48 | 44166 |  Laxmibilas-1 | Deogarh | Orissa |
| 49 | 44167 |  Laxmibilas-2 | Sambalpur | Orissa |
| 50 | 44168 |  Leelabati | Balasore | Orissa |
| 51 | 44169 |  Lektimachi-1 | Malkangiri | Orissa |
| 52 | 44170 |  Lektimasi | Malkangiri | Orissa |
| 53 | 44171 |  Lektimachi-2 | Malkangiri | Orissa |
| 54 | 44172 |  Laser | Malkangiri | Orissa |
| 55 | 44173 |  Mahulakuchi | Malkangiri | Orissa |
| 56 | 44174 |  Magura selectioin | Ganjam | Orissa |
| 57 | 44175 |  Manas | Puri | Orissa |
| 58 | 44176 |  Manasi | Puri | Orissa |
| 59 | 44177 |  Mahulkuchi | Malkangiri | Orissa |
| 60 | 44178 |  Nalidhan | Cuttack | Orissa |
| 61 | 44179 |  Nanu | Anugul | Orissa |
| 62 | 44180 |  Pirima | Koraput | Orissa |
| 63 | 44181 |  Panasmanjee  | Malkangiri | Orissa |
| 64 | 44182 |  Sunsuniasunaphul | Deogarh | Orissa |
| 65 | 44183 |  Badaguda | Deogarh | Orissa |
| 66 | 44184 |  Benugopal | Sambalpur | Orissa |
| 67 | 44185 |  Jayaphul | Sundargarh | Orissa |
| 68 | 44186 |  Benubhog | Mayurbhanj | Orissa |
| 69 | 44187 |  Samleibhog-1 | Sundargarh | Orissa |
| 70 | 44188 |  Bhuinsasal | Deogarh | Orissa |
| 71 | 44189 |  Kalajira | Dhenkanal | Orissa |
| 72 | 44190 |  Laxmikajol | Keonjhar | Orissa |
| 73 | 44191 |  Shantibhog | Puri | Orissa |
| 74 | 44192 |  Sujata | Puri | Orissa |
| 75 | 44193 |  Thakursuna | Cuttack | Orissa |
| 76 | 44194 |  Suman | Cuttack | Orissa |
| 77 | 44195 |  Thakur bhog | Puri | Orissa |
| 78 | 44196 |  Atmasital-1 | Koraput | Orissa |
| 79 | 44197 |  Nagri | Koraput | Orissa |
| 80 | 44198 |  Pipalbasa | Sambalpur | Orissa |
| 81 | 44199 |  Samleibhog-2 | Sundargarh | Orissa |
| 82 | 44200 |  Kalazeera | Dhenkanal | Orissa |
| 83 | 44201 |  Laxmibilas-3 | Sambalpur | Orissa |
| 84 | 44202 |  Basnadhan-1 | Sundargarh | Orissa |
| 85 | 44203 |  Kalaziri | Ganjam | Orissa |
| 86 | 44204 |  Basumati-2 | Sundargarh | Orissa |
| 87 | 44205 |  Parijatak | Ganjam | Orissa |
| 88 | 44206 |  Magura | Ganjam | Orissa |
| 89 | 44207 |  Gadakakudinga | Phulbani | Orissa |
| 90 | 44208 |  Gangabali | Ganjam | Orissa |
| 91 | 44209 |  Karpurakranti | Ganjam | Orissa |
| 92 | 44210 |  Phulabani local | Phulbani | Orissa |
| 93 | 44211 |  Kalajeera-2 | Ganjam | Orissa |
| 94 | 44212 |  Kalagiri | Cuttack | Orissa |
| 95 | 44213 |  Nadiarasa | Cuttack | Orissa |
| 96 | 44214 |  Kendragali | Cuttack | Orissa |
| 97 | 44215 |  Saragadhuli | Cuttack | Orissa |
| 98 | 44216 |  Karpurakanta | Cuttack | Orissa |
| 99 | 44217 |  Basumati-3 | Kendrapara | Orissa |
| 100 | 44218 |  Basuabhog-2 | Kendrapara | Orissa |
| 101 | 44219 |  Garmatia | Puri | Orissa |
| 102 | 44220 |  Krisna bhog | Puri | Orissa |
| 103 | 44221 |  Tulasi basa | Nayagarh | Orissa |
| 104 | 44222 |  Kalatulasi | Nayagarh | Orissa |
| 105 | 44223 |  Kalajeera-3 | Nayagarh | Orissa |
| 106 | 44224 |  Batakarua | Keonjhar | Orissa |
| 107 | 44225 |  Basumati-4 | Jajpur | Orissa |
| 108 | 44226 |  Kalajiri-2 | Ganjam | Orissa |
| 109 | 44227 |  Suetpotato | Jajpur | Orissa |
| 110 | 44228 |  Maharaji | Kalahandi | Orissa |
| 111 | 44229 |  Laktimachi | Koraput | Orissa |
| 112 | 44230 |  Karpurakali | Ganjam | Orissa |
| 113 | 44231 |  Pimpudibasa | Mayurbhanj | Orissa |
| 114 | 44232 |  Atmasital-2 | Malkangiri | Orissa |
| 115 | 44233 |  Kalajeera-4 | Koraput | Orissa |
| 116 | 44234 |  Nadiaphool | Cuttack | Orissa |
| 117 | 44235 |  Jawaphool | Bolangir | Orissa |
| 118 | 44236 |  Kalikati-2 | Bhawanipatna | Orissa |
| 119 | 44237 |  Basnadhan-2 | Bhawanipatna | Orissa |
| 120 | 44238 |  Morllu | Bhawanipatna | Orissa |
| 121 | 44239 |  Basanaparijata | Bhawanipatna  | Orissa |
| 122 | 44240 |  Lilabati | Balasore  | Orissa |
| 123 | 44241 |  Ramabana Basmati | Bolangir | Orissa |
| 124 | 44242 |  Kalkati | Bolangir | Orissa |
| 125 | 44243 |  Nadiakata | Bolangir | Orissa |
| 126 | 44244 |  Kalakanhu | Bolangir | Orissa |