|  |
| --- |
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**Supplementary Tables**

**Table 1:** List of the genotypes used for anaerobic germination tolerance screening

|  |  |  |
| --- | --- | --- |
| **S.No** | **BAAP no./OAR ID** | **cultivar\_name** |
| 1 | 1 | ASSAM 4(BORO) |
| 2 | 2 | ARC 5959 |
| 3 | 4 | ARC 5977 |
| 4 | 5 | ARC 6000 |
| 5 | 6 | ARC 6240 |
| 6 | 7 | ARC 7325 |
| 7 | 8 | ARC 10958 |
| 8 | 9 | AS 2 |
| 9 | 13 | ARC 11600 |
| 10 | 15 | BOWALIA |
| 11 | 21 | AUS 29 |
| 12 | 25 | AUS 60 |
| 13 | 27 | AUS 63 |
| 14 | 30 | AUS 74 |
| 15 | 31 | AUS 77 |
| 16 | 41 | AUS 131 |
| 17 | 43 | AUS 151 |
| 18 | 45 | AUS 154 |
| 19 | 46 | AUS 169 |
| 20 | 47 | AUS 175 |
| 21 | 49 | AUS 204 |
| 22 | 53 | AUS 267 |
| 23 | 54 | AUS 268 |
| 24 | 55 | AUS 273 |
| 25 | 61 | AUS 298 |
| 26 | 62 | AUS 309 |
| 27 | 63 | AUS 314 |
| 28 | 69 | AUS 350 |
| 29 | 71 | AUS 354 |
| 30 | 73 | AUS 362 |
| 31 | 75 | AUS 366 |
| 32 | 84 | AUS 417 |
| 33 | 86 | AUS 435 |
| 34 | 87 | AUS 440 |
| 35 | 91 | AUS 464 |
| 36 | 94 | BORO |
| 37 | 95 | BORO BLACK |
| 38 | 97 | AUSMERI |
| 39 | 99 | ARC 14855 |
| 40 | 101 | ARC 14950 |
| 41 | 102 | ARC 14965 |
| 42 | 103 | ARC 14969 |
| 43 | 104 | ARC 7098 |
| 44 | 106 | AUS PADDY(BLACK) |
| 45 | 107 | AUS PADDY(WHITE) |
| 46 | 111 | AUS KUSHI |
| 47 | 116 | DA 12 |
| 48 | 117 | KADA-68-1 |
| 49 | 118 | DF3 |
| 50 | 123 | CHAMKA |
| 51 | 124 | KALOSHAITA |
| 52 | 126 | MUNSHISHAIL |
| 53 | 127 | SHONI |
| 54 | 128 | PURA NUKNA |
| 55 | 129 | CUNAIL |
| 56 | 130 | FAISHA MANSA |
| 57 | 136 | KALIBORO 26 |
| 58 | 137 | KALIBORO 41-1 |
| 59 | 143 | JAGAL-1640 A |
| 60 | 150 | KALINDI |
| 61 | 151 | KALO BIRA |
| 62 | 155 | M 136-20 |
| 63 | 160 | SOA MUKHI |
| 64 | 171 | MOTZHUL |
| 65 | 172 | CN2-175-5-31 |
| 66 | 173 | DHINGHA |
| 67 | 174 | DA2 |
| 68 | 175 | GOUERISAIL |
| 69 | 177 | KALI AUS |
| 70 | 179 | SATHA |
| 71 | 180 | DULAAUS |
| 72 | 184 | SAITA BORO |
| 73 | 187 | KALASU |
| 74 | 188 | JABOR SAIL |
| 75 | 195 | RAJ MUNDO |
| 76 | 198 | WHITE DUBHI |
| 77 | 200 | BJ 1 |
| 78 | 203 | DV85 |
| 79 | 205 | JhoNA349 |
| 80 | 206 | Kalamkati |
| 81 | 208 | T 1 |
| 82 | 211 | CTG 1516 |
| 83 | 215 | DM 43 |
| 84 | 217 | DM 59 |
| 85 | 221 | Goria |
| 86 | 222 | Jamir |
| 87 | 225 | Karkati 87 |
| 88 | 234 | Lahaya |
| 89 | 235 | Deshi boro |
| 90 | 236 | Tupa |
| 91 | 237 | Chhola boro |
| 92 | 239 | Lafai |
| 93 | 242 | Sada boro |
| 94 | 243 | Gobir sail |
| 95 | 247 | Gul tepi |
| 96 | 248 | Rata boro |
| 97 | 255 | BR 16 |
| 98 | 270 | P 32 |
| 99 | 275 | Bowalia |
| 100 | 280 | Fulbadam |
| 101 | 285 | IR 64-21 |
| 102 | 286 | LI-JIANG-XIN-TUAN-HEI-GU |
| 103 | 288 | MINGHUI 63 |
| 104 | 290 | N 22 |
| 105 | 293 | SADU CHO |
| 106 | 294 | SANHUANGZHAN NO 2 |
| 107 | OAR1 | Jabaful |
| 108 | OAR102 | Nadia rasa |
| 109 | OAR105 | Sorisha phulla |
| 110 | OAR106 | Magura |
| 111 | OAR108 | Kadali kenda |
| 112 | OAR109 | Jangali jata |
| 113 | OAR11 | Dhala basmati |
| 114 | OAR110 | Kalachampa |
| 115 | OAR111 | Dhinkisiali |
| 116 | OAR112 | Ramachandra boita |
| 117 | OAR113 | Ganjam gedi |
| 118 | OAR115 | Hatipanjar |
| 119 | OAR117 | Dhuba asina |
| 120 | OAR118 | Mugei |
| 121 | OAR12 | Yubaraj |
| 122 | OAR120 | Pateni |
| 123 | OAR121 | Solari |
| 124 | OAR122 | Kalama |
| 125 | OAR123 | Champa |
| 126 | OAR124 | Dhusura |
| 127 | OAR125 | Gadakati |
| 128 | OAR126 | Banda |
| 129 | OAR127 | Lajakuli |
| 130 | OAR128 | Puagi |
| 131 | OAR129 | Kalamuguja |
| 132 | OAR13 | Kalakrushna |
| 133 | OAR130 | Chinamali |
| 134 | OAR132 | Kusuma kunda |
| 135 | OAR133 | kadalia champa |
| 136 | OAR134 | Luchei |
| 137 | OAR135 | Jhuli puagi |
| 138 | OAR136 | Rani siali |
| 139 | OAR137 | Gaham phulla |
| 140 | OAR139 | SuNAkathi |
| 141 | OAR14 | Jubaphul |
| 142 | OAR140 | Bankoi |
| 143 | OAR141 | Kakudi manji |
| 144 | OAR142 | Dhoia bankoi |
| 145 | OAR143 | Khajara |
| 146 | OAR144 | Kala kadamba |
| 147 | OAR145 | Saruchinamalli |
| 148 | OAR146 | Ranga siuli |
| 149 | OAR147 | Padma keshari |
| 150 | OAR148 | RatNAchudi |
| 151 | OAR149 | Nali kalama |
| 152 | OAR15 | Kalkati |
| 153 | OAR150 | Pani rohi |
| 154 | OAR151 | Agnisal |
| 155 | OAR153 | Guduba |
| 156 | OAR155 | Palasa kathi |
| 157 | OAR156 | Nali Baunsa Gaja |
| 158 | OAR157 | Pateli |
| 159 | OAR158 | Naki pakhia |
| 160 | OAR16 | Sorisha pulla |
| 161 | OAR163 | Saljhanti |
| 162 | OAR164 | Kalakataki |
| 163 | OAR165 | Ravana |
| 164 | OAR166 | Mugudhi |
| 165 | OAR168 | Kalama |
| 166 | OAR169 | Haldi gundi |
| 167 | OAR17 | Jubaraj |
| 168 | OAR170 | Kalamulia |
| 169 | OAR171 | Pani koili |
| 170 | OAR172 | Bhalunki |
| 171 | OAR174 | Mukta kiari |
| 172 | OAR176 | Khadia sola |
| 173 | OAR177 | Seula pana |
| 174 | OAR178 | Swarna |
| 175 | OAR179 | Pratikshya |
| 176 | OAR18 | Yubraj |
| 177 | OAR180 | Mrunalini |
| 178 | OAR19 | Malpatr |
| 179 | OAR2 | Dubraj |
| 180 | OAR20 | Kalajeera |
| 181 | OAR21 | Seetabhog |
| 182 | OAR22 | Pimpudibasa |
| 183 | OAR23 | Pipalbasa |
| 184 | OAR24 | Basumati |
| 185 | OAR25 | Nababi |
| 186 | OAR26 | Kalia |
| 187 | OAR27 | Acharmati |
| 188 | OAR28 | Karpurabhog |
| 189 | OAR29 | Lajakuli |
| 190 | OAR3 | Kala krushna |
| 191 | OAR30 | Kalaketaki |
| 192 | OAR31 | Dhalajeera |
| 193 | OAR32 | Mohanbhog |
| 194 | OAR33 | Kalkati |
| 195 | OAR34 | Kalajeera |
| 196 | OAR35 | Parbat jeera |
| 197 | OAR36 | Tulashibasa |
| 198 | OAR37 | Karpurakranti |
| 199 | OAR38 | Sitabhoga |
| 200 | OAR39 | Thakurabhog |
| 201 | OAR4 | Lectimachi |
| 202 | OAR40 | Karpurajeera |
| 203 | OAR41 | Badshabhog |
| 204 | OAR43 | Krishnabhog |
| 205 | OAR44 | Pimpudibasa |
| 206 | OAR45 | Parbat jeera |
| 207 | OAR46 | Basanti bhog |
| 208 | OAR47 | Gagan dhuli |
| 209 | OAR48 | Karpurakranti |
| 210 | OAR49 | Jaiphulla |
| 211 | OAR5 | Bastabhog |
| 212 | OAR50 | Jabaphul |
| 213 | OAR51 | Kalajeera |
| 214 | OAR52 | Dubaraj |
| 215 | OAR53 | Karpuragundi |
| 216 | OAR54 | Basapatri |
| 217 | OAR55 | Ramachandra bhog |
| 218 | OAR57 | Sankarchini |
| 219 | OAR58 | Kalajeera |
| 220 | OAR6 | Samudrabali |
| 221 | OAR60 | Basumati dhan |
| 222 | OAR62 | Kalajeera |
| 223 | OAR63 | Govindabhog |
| 224 | OAR65 | Kalajeera |
| 225 | OAR66 | Pimpudibasa |
| 226 | OAR67 | Pimpudibasa |
| 227 | OAR68 | Basmati |
| 228 | OAR69 | Kalikati |
| 229 | OAR7 | Mahakamati |
| 230 | OAR70 | Diulabhog |
| 231 | OAR71 | Ganjei kali |
| 232 | OAR72 | Kalakrushna |
| 233 | OAR73 | Kalajeera |
| 234 | OAR74 | Kalakrushna |
| 235 | OAR76 | Tulasi basa |
| 236 | OAR77 | Basapatri |
| 237 | OAR78 | Jubaraj |
| 238 | OAR79 | Mugudhi |
| 239 | OAR8 | Pimpudibasa |
| 240 | OAR80 | Jabaphula |
| 241 | OAR81 | Parbatijeera |
| 242 | OAR82 | Kalakrushna |
| 243 | OAR83 | Tulasibasa |
| 244 | OAR84 | Kalakrushna |
| 245 | OAR85 | Parijal |
| 246 | OAR86 | Kalajeera |
| 247 | OAR87 | Tulasi phula |
| 248 | OAR9 | Baspatri |
| 249 |  | Cr Dhan 801 |
| 250 |  | AG 387 |

**Table 2:** Analysis of variance for anaerobic germination tolerant traits among 250 genotypes

|  |  |  |  |
| --- | --- | --- | --- |
| **Character** | **Mean Sum of Square** | | |
|  | **Genotype** | **Replication** | **Error** |
| Germination Percentage | 823.94\*\* | 301.99 | 11.74 |
| Length of first internode | 5.35\*\* | 3.52 | 1.21 |
| Shoot length | 20.16\*\* | 8.58 | 7.95 |
| Root length | 13.79\*\* | 1.92 | 5.7 |
| Number of leaves | 0.29\*\* | 0.61 | 0.09 |
| Seedling dry weight | 24.35\*\* | 3.04 | 2.3 |
| SVI - 1 | 1208197\*\* | 260924 | 27269 |
| SVI - 2 | 61702\*\* | 5692 | 2911 |
| Note: P < 0.05 |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3:** Mean performance of 250 genotypes for anaerobic germination tolerant traits | | | | | | | | | | |
| **S.No** | **BAAP no./OAR ID** | **Genotypes** | **Germination percentage** | **Length of first internode** | **Shoot length** | **Root length** | **Number of leaves** | **Seedling dry weight** | **SVI - 1** | **SVI - 2** |
| 1 | 1 | ASSAM 4(BORO) | 23.61 | 7.6 | 34 | 14.1 | 3 | 12.5 | 1137 | 297 |
| 2 | 2 | ARC 5959 | 15.28 | 7.45 | 27.9 | 11.1 | 2.5 | 7 | 595 | 105.5 |
| 3 | 4 | ARC 5977 | 62.5 | 9.45 | 32.65 | 10.6 | 3 | 6 | 2704 | 376.5 |
| 4 | 5 | ARC 6000 | 33.335 | 10.1 | 32.1 | 10.85 | 2.85 | 6.5 | 1436.5 | 223.5 |
| 5 | 6 | ARC 6240 | 15.28 | 7.45 | 24.05 | 10.4 | 2.5 | 10 | 523.5 | 155.5 |
| 6 | 7 | ARC 7325 | 20.83 | 8.15 | 28.4 | 12 | 2 | 14 | 842.5 | 291.5 |
| 7 | 8 | ARC 10958 | 2.78 | 4 | 20.85 | 8.5 | 3 | 8 | 81.5 | 22 |
| 8 | 9 | AS 2 | 19.275 | 7.35 | 34.35 | 13.4 | 3 | 6 | 920.5 | 116 |
| 9 | 13 | ARC 11600 | 54.17 | 8.2 | 29.6 | 11.55 | 2.7 | 7 | 2226.5 | 379 |
| 10 | 15 | BOWALIA | 4.17 | 4.95 | 33.6 | 12.9 | 3 | 4 | 194 | 15.5 |
| 11 | 21 | AUS 29 | 8.335 | 9.5 | 29.45 | 9.6 | 2 | 6 | 327.5 | 44 |
| 12 | 25 | AUS 60 | 4.17 | 9.6 | 25 | 12.05 | 2 | 12.5 | 137.5 | 54.5 |
| 13 | 27 | AUS 63 | 12.5 | 6.25 | 25.7 | 13.4 | 2.35 | 4.5 | 490 | 58 |
| 14 | 30 | AUS 74 | 34.725 | 8.05 | 31.25 | 12.75 | 2.65 | 11.5 | 1528 | 389 |
| 15 | 31 | AUS 77 | 8.33 | 8.7 | 30.95 | 18.2 | 2.25 | 12 | 409 | 100 |
| 16 | 41 | AUS 131 | 9.72 | 7.6 | 27.75 | 12.85 | 2 | 4.5 | 403.5 | 44.5 |
| 17 | 43 | AUS 151 | 30.56 | 9.15 | 30.4 | 12.35 | 2.85 | 13 | 1306 | 397 |
| 18 | 45 | AUS 154 | 16.67 | 7.85 | 26.15 | 11.8 | 2.8 | 13 | 632.5 | 216.5 |
| 19 | 46 | AUS 169 | 9.72 | 7.8 | 29.35 | 13.75 | 2 | 11 | 419 | 108 |
| 20 | 47 | AUS 175 | 31.945 | 7.85 | 31.4 | 11.1 | 2.5 | 14 | 1356 | 448.5 |
| 21 | 49 | AUS 204 | 33.33 | 7.1 | 25.6 | 15.35 | 2.5 | 8 | 1365 | 266.5 |
| 22 | 53 | AUS 267 | 23.61 | 7.25 | 28.1 | 11.45 | 2.5 | 13 | 937 | 305.5 |
| 23 | 54 | AUS 268 | 8.33 | 7.05 | 27.6 | 13 | 2.25 | 8.5 | 338.5 | 71 |
| 24 | 55 | AUS 273 | 4.17 | 6.75 | 23.75 | 8.65 | 2 | 12.5 | 148 | 49 |
| 25 | 61 | AUS 298 | 9.72 | 8.2 | 29.65 | 15.8 | 3 | 5 | 448.5 | 50 |
| 26 | 62 | AUS 309 | 5.56 | 5.8 | 26.05 | 12.5 | 3 | 13.5 | 214.5 | 75 |
| 27 | 63 | AUS 314 | 30.56 | 6.8 | 30.15 | 10.2 | 3 | 8 | 1233 | 244.5 |
| 28 | 69 | AUS 350 | 24.99 | 6.9 | 29 | 11.3 | 2.65 | 12.5 | 998 | 311 |
| 29 | 71 | AUS 354 | 25 | 7.45 | 29.55 | 13.1 | 2 | 13 | 1066.5 | 325 |
| 30 | 73 | AUS 362 | 5.56 | 8.15 | 26.2 | 12.8 | 2 | 12 | 217 | 66.5 |
| 31 | 75 | AUS 366 | 20.83 | 6.3 | 23.65 | 8.2 | 2.7 | 12.5 | 662.5 | 262.5 |
| 32 | 84 | AUS 417 | 4.17 | 7.4 | 28.45 | 10 | 2 | 5.5 | 157 | 23.5 |
| 33 | 86 | AUS 435 | 15.28 | 6.6 | 26.55 | 12.35 | 3 | 5 | 588.5 | 78 |
| 34 | 87 | AUS 440 | 6.945 | 4.9 | 22.85 | 14.85 | 2.25 | 3.5 | 261.5 | 22.5 |
| 35 | 91 | AUS 464 | 4.17 | 6.6 | 26.5 | 13.45 | 2.5 | 6 | 164 | 27.5 |
| 36 | 94 | BORO | 33.335 | 7.2 | 28.85 | 10.3 | 2.5 | 10 | 1301 | 328 |
| 37 | 95 | BORO BLACK | 41.665 | 9.6 | 32 | 12.45 | 2.3 | 3.5 | 1861 | 144.5 |
| 38 | 97 | AUSMERI | 18.055 | 6.05 | 25.4 | 15.2 | 3 | 8 | 737 | 147 |
| 39 | 99 | ARC 14855 | 77.775 | 8.9 | 30.3 | 10.65 | 2.85 | 10 | 3177.5 | 767 |
| 40 | 101 | ARC 14950 | 52.78 | 8.15 | 30 | 10.9 | 2.7 | 4 | 2157 | 211 |
| 41 | 102 | ARC 14965 | 56.945 | 7.6 | 27.8 | 12.5 | 2.65 | 3 | 2302 | 170.5 |
| 42 | 103 | ARC 14969 | 31.945 | 7.75 | 27 | 14.25 | 2.5 | 12 | 1320 | 384.5 |
| 43 | 104 | ARC 7098 | 34.72 | 7.7 | 28.6 | 12.45 | 2.5 | 13.5 | 1427 | 469.5 |
| 44 | 106 | AUS PADDY(BLACK) | 68.055 | 6.85 | 27.7 | 11 | 2.7 | 4.5 | 2627.5 | 304 |
| 45 | 107 | AUS PADDY(WHITE) | 9.72 | 5.6 | 28.8 | 11.15 | 3 | 2 | 393 | 19.5 |
| 46 | 111 | AUS KUSHI | 19.44 | 8.75 | 31.1 | 11.15 | 2.5 | 4.5 | 821.5 | 87.5 |
| 47 | 116 | DA 12 | 16.665 | 7.4 | 25.7 | 12.55 | 2 | 12.5 | 639 | 207 |
| 48 | 117 | KADA-68-1 | 30.56 | 8.75 | 29.7 | 10.95 | 2.5 | 3.5 | 1242 | 107 |
| 49 | 118 | DF3 | 56.945 | 8 | 28.95 | 8.9 | 2.15 | 6 | 2158 | 341.5 |
| 50 | 123 | CHAMKA | 50 | 6.9 | 25.9 | 14.2 | 3 | 5.5 | 1998.5 | 276.5 |
| 51 | 124 | KALOSHAITA | 15.28 | 6.7 | 28.3 | 14.1 | 2.85 | 6 | 649 | 91.5 |
| 52 | 126 | MUNSHISHAIL | 23.61 | 6.95 | 30.05 | 16.1 | 3 | 2.5 | 1086 | 59.5 |
| 53 | 127 | SHONI | 20.83 | 7.4 | 25.25 | 17.45 | 3 | 4.5 | 885 | 94.5 |
| 54 | 128 | PURA NUKNA | 29.17 | 7.05 | 27.6 | 14.05 | 2.65 | 4.5 | 1219.5 | 130.5 |
| 55 | 129 | CUNAIL | 4.17 | 7 | 32.05 | 10.8 | 3 | 5.5 | 182 | 23.5 |
| 56 | 130 | FAISHA MANSA | 15.28 | 6.75 | 24.15 | 14.25 | 3 | 4 | 577.5 | 58 |
| 57 | 136 | KALIBORO 26 | 9.72 | 6.15 | 29.55 | 14.05 | 2.75 | 5.5 | 434.5 | 54.5 |
| 58 | 137 | KALIBORO 41-1 | 8.33 | 6.05 | 25.7 | 11.35 | 3 | 4.5 | 308.5 | 37.5 |
| 59 | 143 | JAGAL-1640 A | 11.11 | 6.9 | 34.65 | 11.25 | 3 | 2 | 510 | 22 |
| 60 | 150 | KALINDI | 5.56 | 6.65 | 25.6 | 11.3 | 3 | 4 | 205 | 22.5 |
| 61 | 151 | KALO BIRA | 5.56 | 7 | 29.65 | 15.9 | 2.5 | 6.5 | 253.5 | 36 |
| 62 | 155 | M 136-20 | 22.22 | 6.95 | 27.7 | 10.6 | 3 | 13.5 | 850 | 298.5 |
| 63 | 160 | SOA MUKHI | 22.22 | 7.05 | 26.6 | 12.85 | 2.85 | 6.5 | 871.5 | 146 |
| 64 | 171 | MOTZHUL | 6.945 | 7.3 | 28.6 | 17.85 | 2 | 4.5 | 321.5 | 30.5 |
| 65 | 172 | CN2-175-5-31 | 25 | 7.8 | 30.95 | 11.75 | 3 | 7.5 | 1074.5 | 183.5 |
| 66 | 173 | DHINGHA | 58.335 | 7.2 | 27.2 | 16.05 | 2.65 | 3 | 2526 | 175 |
| 67 | 174 | DA2 | 16.67 | 7.9 | 26.75 | 15.35 | 3 | 12.5 | 702 | 208.5 |
| 68 | 175 | GOUERISAIL | 6.945 | 5.95 | 25.2 | 13.25 | 2.25 | 4 | 273 | 26.5 |
| 69 | 177 | KALI AUS | 5.56 | 6.25 | 31.9 | 13.55 | 3 | 2 | 252.5 | 11 |
| 70 | 179 | SATHA | 15.28 | 8.25 | 27.55 | 13.85 | 3.25 | 11.5 | 630 | 175 |
| 71 | 180 | DULAAUS | 11.11 | 8.95 | 25.45 | 11.6 | 2 | 13 | 408 | 147 |
| 72 | 184 | SAITA BORO | 20.83 | 7.55 | 31.35 | 13.65 | 3 | 5.5 | 940.5 | 112.5 |
| 73 | 187 | KALASU | 16.67 | 7 | 29.25 | 10.9 | 3 | 7.5 | 669 | 125 |
| 74 | 188 | JABOR SAIL | 6.945 | 7.75 | 26.7 | 13.45 | 2.5 | 13.5 | 276.5 | 91.5 |
| 75 | 195 | RAJ MUNDO | 48.61 | 8 | 32.1 | 12.8 | 3 | 11 | 2183.5 | 536 |
| 76 | 198 | WHITE DUBHI | 5.56 | 12.15 | 35.4 | 20.4 | 3 | 4.5 | 310.5 | 25 |
| 77 | 200 | BJ 1 | 93.055 | 9.75 | 32 | 9 | 2.85 | 10 | 3812.5 | 929 |
| 78 | 203 | DV85 | 19.44 | 6.95 | 28 | 9.7 | 2.5 | 3 | 733 | 58 |
| 79 | 205 | JhoNA349 | 40.28 | 7.85 | 29.45 | 12.4 | 3.15 | 12.5 | 1686.5 | 504.5 |
| 80 | 206 | Kalamkati | 26.39 | 6.3 | 25.5 | 10.6 | 2.5 | 14 | 953.5 | 371 |
| 81 | 208 | T 1 | 63.89 | 7.1 | 28.95 | 9.3 | 2.3 | 8.5 | 2444 | 543 |
| 82 | 211 | CTG 1516 | 13.89 | 5.9 | 24.15 | 11.25 | 2.5 | 11.5 | 493 | 158 |
| 83 | 215 | DM 43 | 18.055 | 8.4 | 28.45 | 11.6 | 2.85 | 7.5 | 720 | 134.5 |
| 84 | 217 | DM 59 | 5.56 | 5 | 22.7 | 11.6 | 2.5 | 14 | 190.5 | 78 |
| 85 | 221 | Goria | 50 | 8.1 | 30.2 | 11.3 | 2.85 | 8 | 2074.5 | 394.5 |
| 86 | 222 | Jamir | 41.665 | 7 | 30.3 | 10.35 | 3 | 3 | 1701.5 | 125 |
| 87 | 225 | Karkati 87 | 12.5 | 8.65 | 30.5 | 11.95 | 2.6 | 13 | 531.5 | 162.5 |
| 88 | 234 | Lahaya | 13.885 | 5.9 | 24.2 | 10.5 | 2.65 | 3.5 | 472.5 | 51.5 |
| 89 | 235 | Deshi boro | 20.83 | 7.2 | 28.1 | 15.25 | 3 | 11 | 898 | 227.5 |
| 90 | 236 | Tupa | 26.39 | 8.2 | 28.15 | 11.6 | 3 | 7.5 | 1054 | 198.5 |
| 91 | 237 | Chhola boro | 34.72 | 7.1 | 31.6 | 18.8 | 2.85 | 6 | 1747.5 | 205.5 |
| 92 | 239 | Lafai | 9.72 | 4.8 | 33.15 | 16.65 | 3 | 7.5 | 489 | 73.5 |
| 93 | 242 | Sada boro | 6.945 | 10.5 | 24.9 | 10.45 | 2.5 | 5 | 236 | 32 |
| 94 | 243 | Gobir sail | 15.275 | 7.4 | 31.4 | 14.2 | 3.25 | 4 | 716.5 | 65 |
| 95 | 247 | Gul tepi | 16.665 | 7.1 | 24.2 | 11.05 | 2 | 4.5 | 576.5 | 83 |
| 96 | 248 | Rata boro | 19.44 | 8.2 | 31.95 | 11.1 | 3 | 2.5 | 837 | 48.5 |
| 97 | 255 | BR 16 | 12.5 | 5 | 24.8 | 11.15 | 3 | 9.5 | 430 | 112.5 |
| 98 | 270 | P 32 | 11.11 | 7.4 | 28.55 | 8.7 | 3 | 3.5 | 397 | 40.5 |
| 99 | 275 | Bowalia | 12.5 | 7.85 | 25.1 | 12.65 | 2.5 | 2 | 477.5 | 25 |
| 100 | 280 | Fulbadam | 9.72 | 8.35 | 33.7 | 18.45 | 3 | 4 | 501 | 37.5 |
| 101 | 285 | IR 64-21 | 27.75 | 5.2 | 26.45 | 10.85 | 3.15 | 8 | 1032 | 216.5 |
| 102 | 286 | LI-JIANG-XIN-TUAN-HEI-GU | 12.5 | 9.95 | 33.35 | 12.35 | 3 | 7 | 567.5 | 89 |
| 103 | 288 | MINGHUI 63 | 18.055 | 7.85 | 27.7 | 11.3 | 3 | 6 | 701.5 | 108.5 |
| 104 | 290 | N 22 | 4.17 | 7.4 | 27.75 | 10.15 | 2 | 2.5 | 159.5 | 11.5 |
| 105 | 293 | SADU CHO | 22.22 | 9.4 | 32.65 | 11.4 | 3 | 6.5 | 979 | 144.5 |
| 106 | 294 | SANHUANGZHAN NO 2 | 29.14 | 7 | 26.65 | 12.2 | 2.35 | 7 | 1136.5 | 207 |
| 107 | OAR1 | Jabaful | 52.775 | 7.15 | 23.65 | 11.8 | 2.15 | 4 | 1860 | 211 |
| 108 | OAR102 | Nadia rasa | 20.83 | 6 | 28.65 | 16.95 | 2.65 | 12 | 950.5 | 248.5 |
| 109 | OAR105 | Sorisha phulla | 8.33 | 6.1 | 27.9 | 23.6 | 2.5 | 6 | 429 | 50 |
| 110 | OAR106 | Magura | 5.56 | 4 | 21.8 | 18.55 | 2.25 | 2 | 224.5 | 11 |
| 111 | OAR108 | Kadali kenda | 5.56 | 5.15 | 25.8 | 22.6 | 2.5 | 3.5 | 269 | 19.5 |
| 112 | OAR109 | Jangali jata | 29.14 | 6.45 | 27.5 | 15.5 | 2.85 | 7 | 1256.5 | 205.5 |
| 113 | OAR11 | Dhala basmati | 51.39 | 7.4 | 25.3 | 7.6 | 2 | 7.5 | 1693 | 387.5 |
| 114 | OAR110 | Kalachampa | 34.72 | 4.2 | 25.15 | 13.45 | 3 | 9.5 | 1344.5 | 332 |
| 115 | OAR111 | Dhinkisiali | 12.5 | 19.1 | 29.05 | 16.55 | 2.5 | 5 | 602 | 58.5 |
| 116 | OAR112 | Ramachandra boita | 6.945 | 5.05 | 26 | 11.2 | 2.5 | 4 | 273.5 | 29.5 |
| 117 | OAR113 | Ganjam gedi | 12.5 | 6.75 | 25.85 | 16.45 | 2.5 | 8 | 552 | 104 |
| 118 | OAR115 | Hatipanjar | 23.61 | 6.05 | 24.8 | 12.75 | 2.85 | 5.5 | 883 | 128 |
| 119 | OAR117 | Dhuba asina | 13.89 | 5.2 | 25 | 21.45 | 2.35 | 7 | 653.5 | 103 |
| 120 | OAR118 | Mugei | 11.11 | 3.3 | 18.3 | 10.8 | 2.85 | 3 | 323 | 33 |
| 121 | OAR12 | Yubaraj | 18.055 | 7.05 | 26.45 | 12.45 | 2.7 | 6 | 701.5 | 108.5 |
| 122 | OAR120 | Pateni | 12.5 | 5.05 | 23.85 | 10.55 | 3 | 5 | 428.5 | 63.5 |
| 123 | OAR121 | Solari | 29.165 | 4.05 | 22.85 | 13.45 | 2.5 | 3 | 1041.5 | 87.5 |
| 124 | OAR122 | Kalama | 6.945 | 4.25 | 21.35 | 12.95 | 2.75 | 4 | 231 | 29.5 |
| 125 | OAR123 | Champa | 37.5 | 5.9 | 24.25 | 9.65 | 2 | 6 | 1273 | 217 |
| 126 | OAR124 | Dhusura | 36.11 | 4.25 | 22.75 | 10.5 | 3 | 6.5 | 1199 | 233 |
| 127 | OAR125 | Gadakati | 52.78 | 3.5 | 27.75 | 9.05 | 3 | 6 | 1947.5 | 319.5 |
| 128 | OAR126 | Banda | 55.555 | 5.75 | 26.5 | 8.6 | 2 | 4.5 | 1956.5 | 248.5 |
| 129 | OAR127 | Lajakuli | 47.22 | 9.05 | 31.9 | 10.65 | 2.15 | 5.5 | 2010.5 | 261 |
| 130 | OAR128 | Puagi | 19.445 | 7.6 | 26.75 | 7.55 | 2 | 4.5 | 672 | 86 |
| 131 | OAR129 | Kalamuguja | 69.445 | 8.9 | 29.55 | 9.75 | 2 | 3.5 | 2736.5 | 242 |
| 132 | OAR13 | Kalakrushna | 9.72 | 5.9 | 25.25 | 10.55 | 2.5 | 3 | 348 | 27.5 |
| 133 | OAR130 | Chinamali | 87.5 | 6.75 | 25.65 | 8.1 | 2.15 | 4 | 2953 | 350 |
| 134 | OAR132 | Kusuma kunda | 15.28 | 6.8 | 28.5 | 14.9 | 2.65 | 12.5 | 661 | 190.5 |
| 135 | OAR133 | kadalia champa | 15.275 | 7.45 | 30.8 | 14.85 | 3 | 6.5 | 694.5 | 97.5 |
| 136 | OAR134 | Luchei | 20.83 | 8.2 | 31 | 12.9 | 3 | 4.5 | 916.5 | 93 |
| 137 | OAR135 | Jhuli puagi | 31.945 | 7.15 | 28.05 | 16.6 | 2.65 | 12 | 1429.5 | 384.5 |
| 138 | OAR136 | Rani siali | 16.665 | 5.2 | 22.15 | 14.45 | 2 | 2.5 | 621.5 | 38.5 |
| 139 | OAR137 | Gaham phulla | 47.22 | 7.25 | 28.35 | 11.2 | 2.5 | 4.5 | 1867.5 | 212.5 |
| 140 | OAR139 | SuNAkathi | 9.72 | 5.65 | 25.3 | 12.75 | 3 | 3.5 | 372.5 | 32 |
| 141 | OAR14 | Jubaphul | 40.28 | 9.25 | 27.85 | 9.85 | 2.15 | 12.5 | 1526 | 504.5 |
| 142 | OAR140 | Bankoi | 36.11 | 6.8 | 30.1 | 12.2 | 3 | 6.5 | 1527 | 235 |
| 143 | OAR141 | Kakudi manji | 12.5 | 7.15 | 28.7 | 13.85 | 2.35 | 14 | 523.5 | 175 |
| 144 | OAR142 | Dhoia bankoi | 13.885 | 5.9 | 22.3 | 10.95 | 3 | 5 | 446 | 58 |
| 145 | OAR143 | Khajara | 48.61 | 6 | 26.2 | 9.95 | 2 | 6 | 1759.5 | 289 |
| 146 | OAR144 | Kala kadamba | 37.5 | 6.95 | 28.85 | 14.25 | 3 | 7.5 | 1617.5 | 282 |
| 147 | OAR145 | Saruchinamalli | 4.16 | 6.05 | 26.9 | 15.6 | 2.75 | 3.5 | 180.5 | 17 |
| 148 | OAR146 | Ranga siuli | 4.16 | 6.75 | 25.45 | 12.55 | 2.25 | 4 | 156.5 | 19.5 |
| 149 | OAR147 | Padma keshari | 26.39 | 7.55 | 27.85 | 16.85 | 2.3 | 5.5 | 1179 | 144.5 |
| 150 | OAR148 | RatNAchudi | 20.83 | 6.85 | 29.2 | 12.7 | 3 | 8 | 876.5 | 167 |
| 151 | OAR149 | Nali kalama | 40.28 | 6.55 | 24.45 | 15.55 | 2 | 7.5 | 1611.5 | 304 |
| 152 | OAR15 | Kalkati | 58.335 | 8.85 | 28.95 | 8.45 | 2 | 5 | 2179.5 | 294.5 |
| 153 | OAR150 | Pani rohi | 87.5 | 6.2 | 27.8 | 13.4 | 2.5 | 7.5 | 3602.5 | 658 |
| 154 | OAR151 | Agnisal | 22.22 | 6.1 | 28.15 | 12.45 | 2.3 | 7 | 899 | 158.5 |
| 155 | OAR153 | Guduba | 15.28 | 8.15 | 28.6 | 15.25 | 2 | 7 | 671.5 | 109.5 |
| 156 | OAR155 | Palasa kathi | 16.665 | 8.5 | 29.95 | 11.05 | 2 | 5 | 680.5 | 88.5 |
| 157 | OAR156 | Nali Baunsa Gaja | 26.39 | 5.3 | 22.1 | 11.9 | 2.7 | 5.5 | 894.5 | 144.5 |
| 158 | OAR157 | Pateli | 45.83 | 8.3 | 31.05 | 11.15 | 2.85 | 13 | 1934 | 597 |
| 159 | OAR158 | Naki pakhia | 25 | 6.25 | 25.75 | 17.85 | 3 | 6 | 1082.5 | 147.5 |
| 160 | OAR16 | Sorisha pulla | 36.11 | 6.3 | 28.5 | 11.2 | 2 | 3.5 | 1433.5 | 128 |
| 161 | OAR163 | Saljhanti | 16.665 | 6.6 | 28.35 | 10.65 | 2.15 | 4.5 | 647.5 | 73.5 |
| 162 | OAR164 | Kalakataki | 51.39 | 5.6 | 24.05 | 8.95 | 2.85 | 8.5 | 1696 | 439 |
| 163 | OAR165 | Ravana | 18.055 | 6.7 | 26.75 | 12.2 | 2.6 | 12.5 | 684 | 224 |
| 164 | OAR166 | Mugudhi | 37.5 | 5.45 | 20.2 | 14.6 | 2.5 | 8.5 | 1304.5 | 321 |
| 165 | OAR168 | Kalama | 6.945 | 7.2 | 27.75 | 12.55 | 2.5 | 7 | 280 | 46 |
| 166 | OAR169 | Haldi gundi | 5.56 | 5.85 | 25.35 | 12.2 | 2.5 | 4 | 209 | 22.5 |
| 167 | OAR17 | Jubaraj | 13.89 | 5.4 | 23.2 | 12.05 | 2 | 6.5 | 493 | 86 |
| 168 | OAR170 | Kalamulia | 51.385 | 5.4 | 27.6 | 13.2 | 3 | 7.5 | 2080 | 382 |
| 169 | OAR171 | Pani koili | 9.72 | 7.1 | 26.8 | 13.45 | 2.5 | 6 | 391.5 | 55.5 |
| 170 | OAR172 | Bhalunki | 12.5 | 7.9 | 30.25 | 14.7 | 2.5 | 3.5 | 537.5 | 37.5 |
| 171 | OAR174 | Mukta kiari | 33.335 | 6.4 | 23.45 | 11.1 | 2 | 4.5 | 1139 | 147.5 |
| 172 | OAR176 | Khadia sola | 52.78 | 6.95 | 26.4 | 12.15 | 2.35 | 13.5 | 2034 | 711 |
| 173 | OAR177 | Seula pana | 26.36 | 6.4 | 25.45 | 14.4 | 2.15 | 12.5 | 1033.5 | 332 |
| 174 | OAR178 | Swarna | 45.83 | 5.95 | 22.75 | 10.5 | 2.85 | 5.5 | 1523 | 251.5 |
| 175 | OAR179 | Pratikshya | 52.775 | 6.75 | 22.5 | 11.85 | 2.85 | 5 | 1822 | 264 |
| 176 | OAR18 | Yubraj | 19.445 | 5.25 | 19.6 | 9.8 | 2.15 | 13 | 568.5 | 253 |
| 177 | OAR180 | Mrunalini | 68.055 | 7.6 | 28.95 | 13.3 | 2.7 | 9 | 2870.5 | 615.5 |
| 178 | OAR19 | Malpatr | 9.715 | 7.25 | 29.6 | 11.6 | 2.35 | 8 | 400 | 79 |
| 179 | OAR2 | Dubraj | 29.17 | 6.85 | 28.7 | 10.4 | 2.65 | 6.5 | 1143.5 | 190.5 |
| 180 | OAR20 | Kalajeera | 25 | 8.5 | 30.15 | 9.15 | 2.3 | 4 | 981.5 | 100 |
| 181 | OAR21 | Seetabhog | 63.89 | 7.45 | 22.1 | 9.6 | 2 | 5 | 2009.5 | 319.5 |
| 182 | OAR22 | Pimpudibasa | 45.83 | 6.85 | 23.65 | 12.8 | 2 | 4.5 | 1666 | 204.5 |
| 183 | OAR23 | Pipalbasa | 62.5 | 7.2 | 24.65 | 11.85 | 2.35 | 4 | 2269.5 | 254 |
| 184 | OAR24 | Basumati | 30.56 | 6.7 | 26.35 | 9.8 | 2.3 | 4 | 1105 | 122.5 |
| 185 | OAR25 | Nababi | 33.335 | 4.85 | 21.7 | 9.05 | 2.3 | 4.5 | 1027 | 147.5 |
| 186 | OAR26 | Kalia | 11.11 | 8 | 26.7 | 9.7 | 2 | 2.5 | 404 | 27.5 |
| 187 | OAR27 | Acharmati | 22.22 | 5.15 | 20.3 | 9.2 | 2 | 3.5 | 654 | 76.5 |
| 188 | OAR28 | Karpurabhog | 38.885 | 7.35 | 24.25 | 11 | 2.15 | 3.5 | 1360.5 | 139 |
| 189 | OAR29 | Lajakuli | 40.28 | 7.8 | 31.15 | 11.7 | 2 | 4.5 | 1730.5 | 182 |
| 190 | OAR3 | Kala krushna | 16.665 | 7 | 28.45 | 10.9 | 2.6 | 4.5 | 645.5 | 73.5 |
| 191 | OAR30 | Kalaketaki | 13.89 | 5.75 | 18.45 | 8.8 | 2 | 3.5 | 358 | 52.5 |
| 192 | OAR31 | Dhalajeera | 9.97 | 7.8 | 27.35 | 11.2 | 2 | 3.5 | 385.5 | 35 |
| 193 | OAR32 | Mohanbhog | 19.44 | 8.5 | 26.45 | 10.95 | 2 | 3 | 727 | 58 |
| 194 | OAR33 | Kalkati | 25 | 8.85 | 26.75 | 13.25 | 2.5 | 4.5 | 1006.5 | 114 |
| 195 | OAR34 | Kalajeera | 15.28 | 9.85 | 31.05 | 13.3 | 2 | 7.5 | 678.5 | 115 |
| 196 | OAR35 | Parbat jeera | 66.665 | 7.75 | 28.1 | 10.6 | 2.5 | 5.5 | 2584 | 365 |
| 197 | OAR36 | Tulashibasa | 4.17 | 8 | 21.05 | 11.8 | 2 | 2 | 128.5 | 8.5 |
| 198 | OAR37 | Karpurakranti | 56.945 | 9.1 | 28.9 | 12.15 | 2 | 4 | 2339 | 227.5 |
| 199 | OAR38 | Sitabhoga | 51.39 | 6.7 | 25.8 | 10.7 | 2 | 4 | 1878 | 205.5 |
| 200 | OAR39 | Thakurabhog | 23.61 | 7.4 | 30.85 | 8.8 | 2 | 4.5 | 938 | 105.5 |
| 201 | OAR4 | Lectimachi | 38.89 | 11.35 | 34.85 | 11.65 | 2.15 | 6 | 1807 | 228 |
| 202 | OAR40 | Karpurajeera | 18.055 | 9.05 | 31.6 | 10.8 | 2.15 | 4.5 | 765 | 80.5 |
| 203 | OAR41 | Badshabhog | 6.945 | 7.25 | 29 | 13.4 | 2.75 | 2 | 291 | 14 |
| 204 | OAR43 | Krishnabhog | 43.055 | 7.75 | 29.95 | 11.95 | 2.5 | 7.5 | 1806.5 | 322 |
| 205 | OAR44 | Pimpudibasa | 43.055 | 8.7 | 28.3 | 10.75 | 2 | 4.5 | 1682 | 193 |
| 206 | OAR45 | Parbat jeera | 37.5 | 6.8 | 26.9 | 12 | 2.3 | 5.5 | 1468.5 | 208.5 |
| 207 | OAR46 | Basanti bhog | 43.055 | 7 | 30.15 | 12.85 | 2.15 | 4.5 | 1854.5 | 191.5 |
| 208 | OAR47 | Gagan dhuli | 68.055 | 8.1 | 28.45 | 9.15 | 2.15 | 6 | 2561.5 | 400 |
| 209 | OAR48 | Karpurakranti | 56.945 | 8.7 | 26.9 | 9.05 | 2 | 4 | 2056.5 | 228 |
| 210 | OAR49 | Jaiphulla | 6.945 | 6.5 | 21.3 | 11.2 | 2 | 2.5 | 235 | 18 |
| 211 | OAR5 | Bastabhog | 41.665 | 9.15 | 26.3 | 11.4 | 2 | 2 | 1572.5 | 83.5 |
| 212 | OAR50 | Jabaphul | 47.22 | 7.45 | 27.6 | 9.65 | 2.5 | 6 | 1759 | 283 |
| 213 | OAR51 | Kalajeera | 8.335 | 6.55 | 26.35 | 11.8 | 3 | 4 | 321 | 33 |
| 214 | OAR52 | Dubaraj | 6.945 | 8 | 26.75 | 10.75 | 2.15 | 12.5 | 265.5 | 87.5 |
| 215 | OAR53 | Karpuragundi | 20.83 | 7.2 | 24.05 | 11.15 | 2.15 | 3.5 | 734.5 | 73.5 |
| 216 | OAR54 | Basapatri | 16.67 | 7.65 | 27.3 | 11.35 | 2 | 13 | 644 | 217 |
| 217 | OAR55 | Ramachandra bhog | 5.56 | 5.6 | 23.9 | 10.25 | 2.5 | 3.5 | 190 | 19.5 |
| 218 | OAR57 | Sankarchini | 22.22 | 7.3 | 28.2 | 16.05 | 2.65 | 3.5 | 983.5 | 78 |
| 219 | OAR58 | Kalajeera | 5.56 | 7.25 | 27.45 | 10.9 | 2.5 | 13 | 213.5 | 72 |
| 220 | OAR6 | Samudrabali | 44.445 | 9.4 | 25.75 | 8.65 | 2 | 3 | 1522 | 133.5 |
| 221 | OAR60 | Basumati dhan | 63.89 | 9.35 | 29.8 | 11.6 | 2.85 | 12 | 2654.5 | 769.5 |
| 222 | OAR62 | Kalajeera | 20.83 | 9.85 | 30.2 | 8.75 | 2.35 | 10 | 810.5 | 211.5 |
| 223 | OAR63 | Govindabhog | 30.555 | 8.35 | 28.75 | 9.6 | 2 | 13 | 1180.5 | 397 |
| 224 | OAR65 | Kalajeera | 41.67 | 7.9 | 25.45 | 9.2 | 2 | 5.5 | 1444 | 229 |
| 225 | OAR66 | Pimpudibasa | 48.61 | 7.8 | 24.2 | 9.5 | 2 | 13.5 | 1641 | 657 |
| 226 | OAR67 | Pimpudibasa | 15.28 | 8.35 | 29.9 | 10.25 | 2.25 | 4 | 615.5 | 59.5 |
| 227 | OAR68 | Basmati | 18.055 | 9.6 | 28.6 | 9.65 | 2.15 | 3 | 690.5 | 54 |
| 228 | OAR69 | Kalikati | 15.28 | 8.55 | 27.3 | 7.05 | 2 | 13 | 522 | 200 |
| 229 | OAR7 | Mahakamati | 44.445 | 11.55 | 27.85 | 9.6 | 2.35 | 4 | 1646.5 | 178 |
| 230 | OAR70 | Diulabhog | 33.33 | 8.6 | 28.2 | 13.05 | 2.35 | 5 | 1375 | 167 |
| 231 | OAR71 | Ganjei kali | 9.97 | 7.05 | 25.8 | 14.25 | 2.65 | 4.5 | 399 | 45.5 |
| 232 | OAR72 | Kalakrushna | 5.56 | 8.8 | 26.65 | 9 | 2 | 8 | 198 | 44.5 |
| 233 | OAR73 | Kalajeera | 31.64 | 10.4 | 33.4 | 9.7 | 2.5 | 4.5 | 1346 | 140.5 |
| 234 | OAR74 | Kalakrushna | 6.945 | 6.25 | 24.4 | 10.1 | 2.25 | 3 | 239.5 | 21 |
| 235 | OAR76 | Tulasi basa | 38.89 | 8.2 | 25.65 | 10.5 | 2 | 10 | 1406 | 389 |
| 236 | OAR77 | Basapatri | 69.445 | 9.35 | 32.95 | 9.3 | 2 | 11 | 2929.5 | 769.5 |
| 237 | OAR78 | Jubaraj | 54.165 | 7.1 | 23.5 | 10.3 | 2.5 | 12 | 1812.5 | 636 |
| 238 | OAR79 | Mugudhi | 62.5 | 8.2 | 27.6 | 8.7 | 2.3 | 5 | 2274 | 305.5 |
| 239 | OAR8 | Pimpudibasa | 4.17 | 6.55 | 25.6 | 12.55 | 2.75 | 4 | 156.5 | 19.5 |
| 240 | OAR80 | Jabaphula | 31.945 | 7.45 | 24.8 | 10 | 2.5 | 12 | 1123 | 392 |
| 241 | OAR81 | Parbatijeera | 68.055 | 8.95 | 27.4 | 8.75 | 2.5 | 5.5 | 2461.5 | 373.5 |
| 242 | OAR82 | Kalakrushna | 65.28 | 6.8 | 24.6 | 9.75 | 2.85 | 7 | 2242.5 | 458 |
| 243 | OAR83 | Tulasibasa | 69.44 | 7.55 | 24.75 | 8.65 | 2 | 4.5 | 2319 | 312.5 |
| 244 | OAR84 | Kalakrushna | 45.83 | 10.25 | 26.05 | 9.05 | 2 | 3.5 | 1608 | 161 |
| 245 | OAR85 | Parijal | 56.945 | 9.05 | 26.4 | 9.8 | 2 | 4 | 2065 | 221 |
| 246 | OAR86 | Kalajeera | 52.775 | 9.95 | 24.45 | 8.75 | 2 | 3 | 1756.5 | 153 |
| 247 | OAR87 | Tulasi phula | 94.44 | 10.1 | 23.75 | 7.7 | 2 | 4 | 2970.5 | 378 |
| 248 | OAR9 | Baspatri | 34.72 | 7.3 | 30.15 | 12.15 | 2.15 | 3.5 | 1468.5 | 122 |
| 249 |  | Cr Dhan 801 | 36.11 | 3.9 | 18.2 | 8.8 | 2 | 10 | 975.5 | 367 |
| 250 |  | AG 387 | 90.275 | 9.7 | 30.35 | 11.45 | 2.7 | 13 | 3773.5 | 1173.5 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 4:** Correlation matrix for anaerobic germination tolerance traits if 250 genotypes | | | | | | | |  |
|  | **Germination Percentage** | **Length of first internode** | **Shoot length** | **Root length** | **Number of leaves** | **Seedling dry weight** | **SVI - 1** | **SVI - 2** |
| Germination Percentage | 1 | 0.204\*\* | 0.071 | -0.334\*\*\* | -0.118 | 0.025 | 0.985\*\*\* | 0.778\*\*\* |
| Length of first internode | 0.204\*\* | 1 | 0.501\*\*\* | -0.093 | -0.183\*\* | 0.053 | 0.245\*\*\* | 0.167\*\* |
| Shoot length | 0.071 | 0.501\*\*\* | 1 | 0.158\* | 0.261\*\*\* | 0.067 | 0.189\*\* | 0.129\* |
| Root length | -0.334\*\*\* | -0.093 | 0.158\* | 1 | 0.288\*\*\* | 0.001 | -0.252\*\*\* | -0.223\*\*\* |
| Number of leaves | -0.118 | -0.183\*\* | 0.261\*\*\* | 0.288\*\*\* | 1 | 0.058 | -0.059 | 0.017 |
| Seedling dry weight | 0.025 | 0.053 | 0.067 | 0.001 | 0.058 | 1 | 0.047 | 0.522\*\*\* |
| SVI - 1 | 0.985\*\*\* | 0.245\*\*\* | 0.189\*\* | -0.252\*\*\* | -0.059 | 0.047 | 1 | 0.796\*\*\* |
| SVI - 2 | 0.778\*\*\* | 0.167\*\* | 0.129\* | -0.223\*\*\* | 0.017 | 0.522\*\*\* | 0.796\*\*\* | 1 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 5:** Percentage contribution of variable on PCs | | | | | |  |  |  |
| **Variables** | **PC1** | **PC2** | **PC3** | **PC4** | **PC5** | **PC6** | **PC7** | **PC8** |
| Germination Percentage | 28.92 | 1.67 | 0.01 | 8.01 | 1.20 | 0.10 | 12.24 | 47.86 |
| Length of first internode | 4.82 | 10.54 | 35.92 | 8.91 | 0.14 | 39.61 | 0.05 | 0.00 |
| Shoot length | 1.85 | 41.65 | 9.54 | 0.03 | 3.51 | 42.85 | 0.01 | 0.57 |
| Root length | 5.05 | 19.48 | 3.73 | 3.35 | 67.66 | 0.52 | 0.00 | 0.21 |
| Number of leaves | 0.53 | 22.43 | 17.46 | 17.44 | 25.14 | 16.75 | 0.24 | 0.00 |
| Seedling dry weight | 2.63 | 3.90 | 23.55 | 52.26 | 0.02 | 0.05 | 17.58 | 0.01 |
| SVI - 1 | 29.46 | 0.07 | 0.00 | 8.65 | 1.92 | 0.11 | 8.57 | 51.22 |
| SVI - 2 | 26.73 | 0.26 | 9.80 | 1.34 | 0.42 | 0.00 | 61.31 | 0.14 |