|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl No.** | **Genotype** | **Place of collection** | **Sl. No.** | **Genotype** | **Place of collection** |
| 1 | Pusa Jwala | IARI, New delhi | 21 | Solan Bharpur | Solan, HP |
| 2 | Arka Lohit | IIHR, Bangalore | 22 | KTPL 19 | Katrain, HP |
| 3 | Arka Abir | IIHR, Bangalore | 23 | Jayanti | Akola, Maharastra |
| 4 | Punjab guchhedar | PAU, Punjab | 24 | Hungarian Yellow | Hungary |
| 5 | Punjab Sadabahar | PAU, Punjab | 25 | IC 395322 | Srilanka |
| 6 | Byadagi Kaddi | Dharwad, karnataka | 26 | LCA 353 | Guntur, AP |
| 7 | IC 395323 | Srilanka | 27 | LCA 235 | Guntur, AP |
| 8 | Pant C1 | Pantnagar, Uttarakhand | 28 | LCA 333 | Guntur, AP |
| 9 | Anugraha | Kerala | 29 | HDC 75 | Hyderabad, Telengana |
| 10 | Phule Mukta | Rahuri | 30 | JCA 283 | MP |
| 11 | Arka Suphal | IIHR, Bangalore | 31 | Japaneese Long | India |
| 12 | Arka Gourav | IIHR, Bangalore | 32 | PC 2062 | Taiwan |
| 13 | Byadagi dabbi | Dharwad, Karnataka | 33 | Ajeet 1 | India |
| 14 | ICPN 11# 7 | Taiwan | 34 | Ajeet 3 | India |
| 15 | Pant C3 | Pantnagar, Uttarakhand | 35 | BCL 5 | India |
| 16 | K1 | Coimbatore, Tamilnadu | 36 | PBC 535 | Taiwan |
| 17 | ICPN 11#2 | Taiwan | 37 | LCA 334 | Guntur, AP |
| 18 | Punjab Surkh | PAU, Punjab | 38 | Arka Basant | IIHR, Bangaloe |
| 19 | Punjab Lal | PAU, Punjab | 39 | Phule Jyoti | Rahuri |
| 20 | Utkal Yellow | Odisha | 40 | Arka Mohini | IIHR, Bnagalore |

**Table S1: List of genotypes used along with their place of collection**

**Table S2: Standardization of lethal temperature for *Capsicum***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Temperature in ∘ C** | **Duration** | | | |
| **1 hr** | **1.5 hr** | **2 hr** | **3hr** |
| **44** | 100 | 74.6 | 67.4 | 50 |
| **46** | 65.5 | 50 | 44.5 | 16.7 |
| **48** | 19.5 | **11** | 5 | 0 |
| **50** | 0 | 0 | 0 | 0 |
| **52** | 0 | 0 | 0 | 0 |

**Table S3: Standardization of induction temperature for *Capsicum***

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl no.** | **Temperature** | **Duration** | **Survival %** |
| **1** | 33∘C- 44∘C followed by lethal | 4 hr | 16.67 |
| **2** | 33∘C- 42∘C followed by lethal | 4hr 30 mins | 3.00 |
| **3** | 33∘C- 42∘C followed by lethal | 4hr | **30.55** |