

Basudha Data Paper No. 8

**An Evaluation of Biochemical Characteristics of Rice (*Oryza sativa*)
Landraces from Eastern India**

Prepared by:

Sudeshna Mukherjee and Debal Deb

Basudha
Laboratory for Conservation



Kolkata

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Introduction

Rice (*Oryza sativa*) is a major staple for half of the population worldwide. Different morphological and agronomic traits enable an easy and quick discrimination between varietal phenotypes. These characteristics are generally highly heritable, can be easily seen by the eye and are equally expressed in all environments. Therefore, these traits are assessed to distinguish a landrace population, and the durability, uniformity and stability (DUS) of these traits ensures the genetic purity of the landrace. Evaluation of these characteristics can be carried out by any farmer or researcher without institutional training and technical support. A compilation of these characteristics would be of great value to the farmers to ascertain the genetic purity and stability of the cultivars. Deb's (2005) pioneering compilation of 36 morphological and agronomic characteristics of 417 *indica* rice landraces is an example.

In addition to the morphological descriptors, biochemical descriptors are also important for characterization of rice landraces. Although a few of these biochemical characterization can be carried out by ordinary farmers, they are ideally performed in a laboratory. These biochemical descriptors are useful to curators for the management and maintenance of germplasm collection and to all users of rice genetic resources. We present here the first compilation of 6 biochemical descriptors of 872 rice landraces from eastern India.

Materials

We examined a total of 872 rice varieties from Basudha's accession from four states of eastern India, namely, Bihar, Jharkhand, Odisha and West Bengal (**Fig. 1** and **Table 1**).

Table 1: The number of Rice Landraces from Four East Indian States Selected for Chemical Tests.

| States | Number of Varieties |
|-------------|---------------------|
| Bihar | 7 |
| Jharkhand | 55 |
| Odisha | 306 |
| West Bengal | 504 |
| Total | 872 |

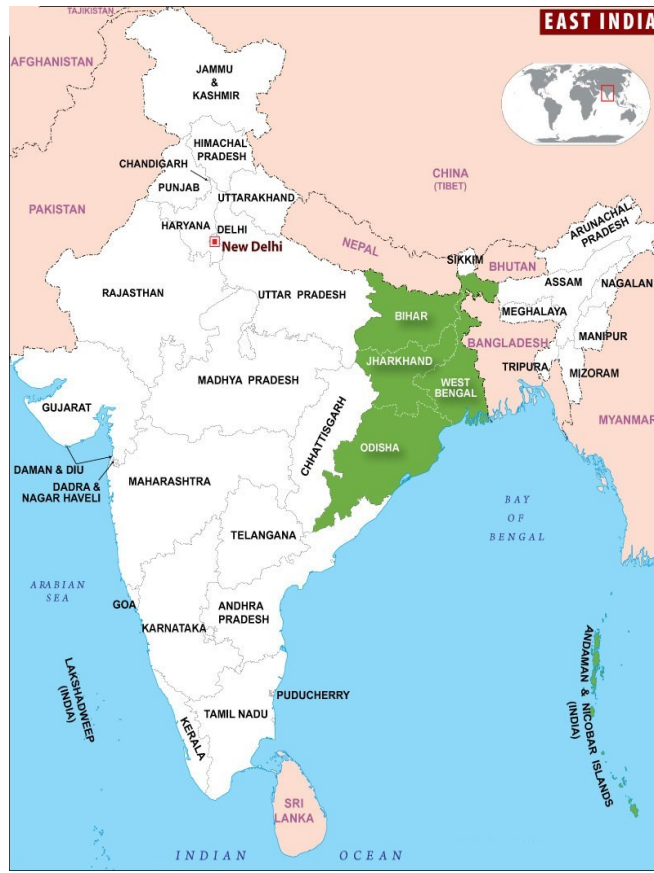


Fig. 1: Map Showing the States of Origin of the Rice Accessions from Eastern India (in green).

Methods

For biochemical characterization of the selected rice landraces, we evaluated the following descriptors: endosperm type based on amylose content; aroma, based on the presence of 2-acetyl 1-pyrroline (2AP); alkali digestion; gel consistency; gel coloration upon alkalization; and phenol reaction of the rice hull.

(a) *Endosperm Type:*

By visual observation, two types of endosperms of polished rice kernels are distinguishable. In glutinous rice, which does not have amylose, the endosperm appears a waxy white. In non-glutinous rice, which contains amylose, the endosperm appears cloudy and translucent (Bioversity International 2007). The standard classification is given in **Table 2**.

Table 2: Visual Classification of Endosperm Type

| Visual Description | Endosperm type |
|--------------------|----------------|
| Translucent | Non-glutinous |
| Cloudy | Intermediate |
| Waxy | Glutinous |

(b) *Aroma*:

Basmati-like aroma in fragrant rice landraces is detected when the rice kernel contains 2AP. As there is no transducer for chemical senses, the only reliable method of detection of aroma is by employing the human nose to smell the samples. For smelling, we relied on at least two trained persons to detect the aroma.

Alkali is known to enhance the release of 2AP, and acidification inhibits the release of 2AP. The characteristic smell of 2AP disappears after acid treatment and reappears upon re-alkalization. Accordingly, we used the method described by Brahmachary and Poddar-Sarkar (2015). We took 4 - 5 grains of unpolished rice kernels in a Petri dish, added 3 drops of 2% (w/v) KOH on the kernels, and left the sample under glass cover for 20 minutes. After 20 minutes the cover was removed for smelling the sample. Regardless of detection of any basmati-like aroma, we subsequently added 4 drops of 2% (w/v) HCl to acidify the sample, upon which the aroma disappeared. After this we added 5-6 drops of 2% (w/v) KOH to re-alkalize the kernels, and cover the Petri dish. After 20 minutes we smelled the sample again, and the presence or absence of Basmati-like aroma was recorded. The strength of the aroma was recorded according to the standard code (**Table 3**):

Table 3: Standard Code for the Strength of Aroma due to Presence of 2AP

| Strength of Aroma | Code |
|-------------------|------|
| No aroma | 0 |
| Mild | 1 |
| Strong | 2 |

(c) *Alkali Digestion:*

Alkali digestion was measured by using methods of Little et al. (1958) and Chemutai et al. (2016), with slight modification. We placed 3 - 4 unpolished kernels of each rice landrace in a petri-dish. 3 to 4 drops of 2% (w/v) KOH were added onto the kernels, submerging them in the solution. The petri dishes were then covered and placed at room temperature for 16 hours. After 16 hours the degree of disintegration of the kernels was rated visually according to standard evaluation system for rice by Bioversity International (**Table 4**).

Table 4: Standards of the Degree of Alkali Digestion.

| Degree of Alkali Digestion | Classification |
|--------------------------------------|----------------|
| Grain not affected but chalky | Low |
| Grain swollen | Low |
| Grain swollen with collar incomplete | Intermediate |
| Grain collar complete and wide | Intermediate |
| Grain split with wide collar | Intermediate |
| Grain dispersed merging with collar | High |
| Grain fully dispersed | High |

(d) *Gel Consistency:*

Gel consistency in rice genotypes is measured through the protocols by and Cagampang et al. (1973) and Sattari et al. (2015) with slight modification. For each landrace, 100 mg ground kernels was weighed and placed in a 13 mm X 125 mm test tube, to which 0.2 ml of 95% ethanol containing 0.025% thymol blue was added. 2 ml of 0.2N KOH was added and stirred gently for 30 seconds on an electrical vortex. Subsequently, the test tubes with samples were placed in a boiling water bath at 102 °C for 10 minutes. The test tubes were then kept at room temperature for 5 minutes and then kept in ice bath for 30 minutes. Finally, the tubes were taken out and placed horizontally on a graph paper on a flat surface. After 1 hour, the distance traveled by the gel was measured. From the distance travelled by the gel, the consistency was inferred from the standard classification (**Table 5**).

Table 5: Gel Consistency Standards

| Gel Distance (mm) | Gel Consistency |
|-------------------|-----------------|
| >60 mm | Soft |
| 40 - 60 mm | Intermediate |
| < 40 mm | Hard |

(e) *Gel Coloration:*

For each landrace, 100 mg ground kernels was weighed and placed in a 13 mm X 125 mm test tube, to which 0.2 ml of 95% ethanol containing 0.025% thymol blue was added. 2 ml of 0.2N KOH was added and stirred gently for 30 seconds on an electrical vortex. Subsequently, the test tubes with samples were placed in a boiling water bath at 102 °C for 10 minutes. The test tubes were then kept at room temperature for 5 minutes and then kept in ice bath for 30 minutes. Finally, the tubes were taken out and the color of the gel was recorded. The different colour of the rice gel after alkali treatment is likely indicative of different anthocyanin contents of the rice kernels, but the link between the colours and the inherent anthocyanin content has not yet been explored in available literature.

(f) *Phenol Reaction:*

Phenol reaction was measured by using the method described in Chang and Bardenas (1965), with slight modification. We took a clean Petri dish (90mm diameter) and marked 4 zones for 4 samples in the Petri dish by writing the sample codes in their respective zones in the dish. We placed 3 rice grains (with husk) of each landrace on its demarcated position, onto which we added 3 drops of 2% phenol solution and kept each Petri dish for 48 hours in a dark place at room temperature. After 48 hours of soaking in phenol, each Petri dishes were taken out one by one and the color change on the grains of each sample was recorded, following the standard classification (**Table 6**). Most of the *indica* varieties and wild *Oryza* species take on a dark brown or black coloration as a result of polyphenol oxidase activity whereas *japonica* varieties show no color change.

Table 6: Standard Codes of Color Change in Reaction to Phenol.

| Reaction | Code |
|-----------------------|------|
| No color change | 1 |
| Mild color change | 2 |
| Purple or black color | 3 |

Results

The results of our assessment are given in **Table 8**. Our data presented here are the first quantitative assessment of biochemical characteristics of 872 rice landraces from eastern India, and reveal that 126 landraces (14.5%) are aromatic. Furthermore, 60 landraces (6.8%) are glutinous, and 117 landraces (13.4%) are non-reactive to phenol, plausibly indicating the introgression of these traits from *japonica* ancestral lines. The range of rice gel distance and gel colours is presented in **Fig. 2**, showing 6 selected rice samples.

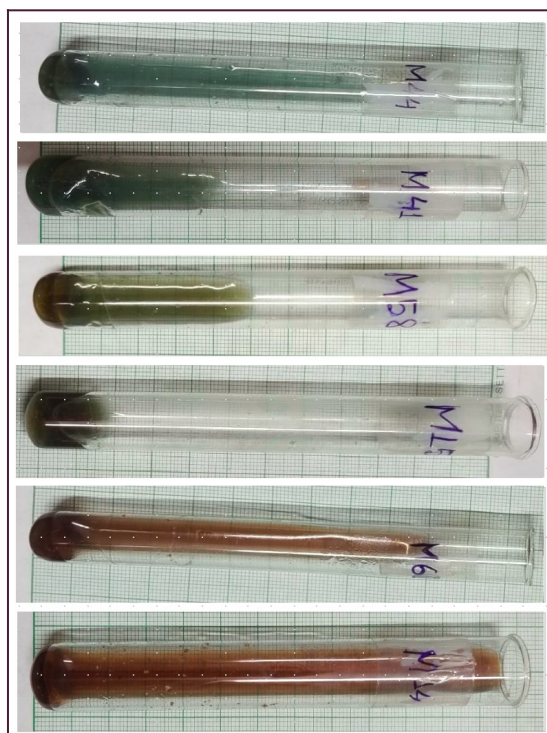


Fig. 2: A Range of Rice Gel Consistency and Colours Upon Alkalization.

Table 7: Evaluation of Biochemical Characteristics of 874 Landraces from East India

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|------------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| State: BIHAR | | | | | | | |
| Dhansiri | Intermediate | 0 | Intermediate | 117 | Soft | Brown | 1 |
| Choi bir | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 1 |
| Hati dhan | Intermediate | 0 | Intermediate | 50 | Intermediate | Orange | 1 |
| Lal sita | Intermediate | 0 | Intermediate | 85 | Soft | Orange | 1 |
| Pitti dhiri | Non-glutinous | 0 | Intermediate | 118 | Soft | Orange | 1 |
| Sada chenga | Intermediate | 0 | Intermediate | 40 | Hard | Pink | 1 |
| Sonasari | Intermediate | 1 | Intermediate | 110 | Soft | Pink | 2 |
| State: JHARKHAND | | | | | | | |
| Ara baihar | Intermediate | 0 | Intermediate | 120 | Soft | Blue | 2 |
| Badh | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 1 |
| Badowan | Non-glutinous | 0 | Intermediate | 95 | Soft | Orange | 2 |
| Bhuri-sal | Intermediate | 0 | Intermediate | 92 | Soft | Orange | 2 |
| Chamarmoni | Non-glutinous | 2 | Intermediate | 104 | Soft | Blue | 2 |
| Cheng-sal | Intermediate | 0 | Low | 115 | Soft | Orange | 2 |
| Chhota jhulpo | Non-glutinous | 0 | Intermediate | 112 | Soft | Orange | 2 |
| Choura goda | Non-glutinous | 0 | Intermediate | 115 | Soft | Blue | 1 |
| Dani gorah | Intermediate | 0 | Intermediate | 115 | Soft | Pink | 1 |
| Gangabaru | Non-glutinous | 0 | Intermediate | 80 | Soft | Blue | 0 |
| Garia | Non-glutinous | 0 | Intermediate | 102 | Soft | Brown | 2 |
| Chasraiz | Non-glutinous | 0 | Intermediate | 100 | Soft | Brown | 2 |
| Hansguji | Non-glutinous | 0 | Intermediate | 97 | Soft | Pink | 2 |
| Hende baba | Non-glutinous | 0 | Intermediate | 120 | Soft | Black | 0 |
| Hende baihar | Non-glutinous | 0 | Intermediate | 108 | Soft | Black | 2 |
| Hende bhadoi | Non-glutinous | 0 | Intermediate | 102 | Soft | Black | 2 |
| Jarhan baihar | Non-glutinous | 0 | High | 70 | Soft | Blue | 1 |
| Jhulpo | Intermediate | 0 | Intermediate | 105 | Soft | Blue | 2 |
| Joga dhan | Non-glutinous | 0 | Low | 80 | Soft | Orange | 1 |
| Jubri dhan | Non-glutinous | 0 | Intermediate | 50 | Intermediate | Blue | 0 |
| Kalam dani | Non-glutinous | 0 | Intermediate | 2 | Hard | Blue | 1 |
| Kalo gorah | Non-glutinous | 0 | Intermediate | 65 | Soft | Brown | 1 |
| Kalo nuniya | Non-glutinous | 2 | Intermediate | 105 | Soft | Blue | 1 |
| Karheni | Non-glutinous | 0 | Intermediate | 102 | Soft | Brown | 2 |
| Kartik-sal | Non-glutinous | 0 | Intermediate | 56 | Intermediate | Brown | 1 |
| Kashi phul | Non-glutinous | 0 | Intermediate | 100 | Soft | Brown | 1 |
| Katarni | Non-glutinous | 2 | Intermediate | 115 | Soft | Blue | 2 |
| Lal dhan (c) | Non-glutinous | 0 | Intermediate | 7 | Hard | Blue | 2 |
| Lal dhepa | Non-glutinous | 0 | Intermediate | 111 | Soft | Violet | 2 |
| Lal dhusuri | Intermediate | 0 | Intermediate | 115 | Soft | Brown | 1 |
| Lohna | Non-glutinous | 0 | Low | 80 | Soft | Blue | 1 |
| Mala | Non-glutinous | 0 | Intermediate | 98 | Soft | Blue | 2 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|----------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Mota baihar | Non-glutinous | 0 | Intermediate | 90 | Soft | Brown | 2 |
| Mukta | Intermediate | 0 | Intermediate | 90 | Soft | Blue | 2 |
| Nalpai | Non-glutinous | 0 | Intermediate | 25 | Hard | Pink | 0 |
| Parbal | Non-glutinous | 0 | Intermediate | 70 | Soft | Brown | 1 |
| Pun baihar | Non-glutinous | 0 | Intermediate | 90 | Soft | Brown | 1 |
| Pusa badh | Non-glutinous | 0 | Intermediate | 92 | Soft | Blue | 1 |
| Raban-sal | Glutinous | 0 | Intermediate | 67 | Soft | Blue | 0 |
| Ramjira | Non-glutinous | 2 | Intermediate | 47 | Intermediate | Blue | 0 |
| Rangala dhan | Non-glutinous | 0 | Intermediate | 117 | Soft | Orange | 2 |
| Rangi dhan | Intermediate | 0 | Intermediate | 58 | Intermediate | Blue | 2 |
| Rangi ras | Non-glutinous | 0 | Intermediate | 101 | Soft | Blue | 2 |
| Rani kajal | Non-glutinous | 2 | Intermediate | 110 | Soft | Blue | 2 |
| Raschora | Non-glutinous | 0 | Intermediate | 70 | Soft | Blue | 1 |
| Rassi | Non-glutinous | 0 | Intermediate | 110 | Soft | Blue | 1 |
| Sada dumra | Non-glutinous | 0 | Low | 100 | Soft | Blue | 2 |
| Sada payjam | Non-glutinous | 0 | Intermediate | 107 | Soft | Blue | 0 |
| Safed ras | Intermediate | 0 | Intermediate | 102 | Soft | Brown | 1 |
| Sathi | Non-glutinous | 0 | Intermediate | 87 | Soft | Brown | 2 |
| Sawania | Non-glutinous | 0 | Intermediate | 5 | Hard | Blue | 2 |
| Shatia bhadoi | Non-glutinous | 0 | Intermediate | 90 | Soft | Pink | 2 |
| Sonam | Non-glutinous | 0 | Intermediate | 56 | Intermediate | Blue | 1 |
| Tatu dhan | Non-glutinous | 0 | Intermediate | 115 | Soft | Blue | 0 |
| Tupru | Non-glutinous | 0 | Intermediate | 114 | Soft | Blue | 1 |
| State: ODISHA | | | | | | | |
| Agni-sal | Non-glutinous | 0 | Intermediate | 110 | Soft | Blue | 2 |
| Asanchuri | Non-glutinous | 0 | Intermediate | 115 | Soft | Blue | 2 |
| Asha goti | Non-glutinous | 0 | Intermediate | 60 | Intermediate | Blue | 1 |
| Ashabali | Non-glutinous | 0 | Low | 60 | Intermediate | Blue | 1 |
| Atiya | Non-glutinous | 0 | Low | 70 | Soft | Brown | 1 |
| Atma sitala | Non-glutinous | 0 | Intermediate | 115 | Soft | Blue | 0 |
| Bada dhan | Non-glutinous | 0 | Intermediate | 86 | Soft | Brown | 2 |
| Badili mami | Non-glutinous | 0 | Intermediate | 95 | Soft | Orange | 1 |
| Badli dhan | Intermediate | 0 | Intermediate | 115 | Soft | Brown | 1 |
| Badna | Non-glutinous | 0 | Intermediate | 97 | Soft | Blue | 2 |
| Bagh budi | Non-glutinous | 0 | Intermediate | 75 | Soft | Blue | 2 |
| Baigana manjia | Intermediate | 0 | Intermediate | 110 | Soft | Blue | 1 |
| Baji dhan | Intermediate | 0 | Intermediate | 10 | Hard | Blue | 1 |
| Bako | Non-glutinous | 0 | Intermediate | 87 | Soft | Blue | 1 |
| Bangla dhan | Non-glutinous | 0 | Intermediate | 118 | Soft | Blue | 2 |
| Bareng | Non-glutinous | 0 | Low | 82 | Soft | Brown | 2 |
| Baringi bed | Non-glutinous | 0 | Intermediate | 102 | Soft | Blue | 1 |
| Baro moipal | Glutinous | 0 | Low | 87 | Soft | Blue | 1 |
| Baromasi | Non-glutinous | 0 | Intermediate | 75 | Soft | Brown | 2 |
| Basan ker | Non-glutinous | 0 | Intermediate | 80 | Soft | Blue | 2 |
| Basanti churi | Intermediate | 0 | Low | 56 | Intermediate | Blue | 2 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|----------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Basha bhog | Non-glutinous | 1 | Low | 77 | Soft | Blue | 2 |
| Basmati nagni | Glutinous | 0 | Intermediate | 80 | Soft | Blue | 1 |
| Basni mundi | Non-glutinous | 1 | Intermediate | 75 | Soft | Blue | 2 |
| Bastar | Intermediate | 0 | Intermediate | 90 | Soft | Pink | 0 |
| Basumati | Non-glutinous | 2 | Intermediate | 110 | Soft | Blue | 1 |
| Bata | Intermediate | 0 | Intermediate | 118 | Soft | Blue | 2 |
| Bausha boro | Non-glutinous | 0 | Intermediate | 80 | Soft | Blue | 2 |
| Bausha dubraj | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 2 |
| Baya gunda | Non-glutinous | 0 | Intermediate | 82 | Soft | Blue | 1 |
| Baya hundar | Non-glutinous | 0 | Low | 105 | Soft | Blue | 1 |
| Bhainsa-sal | Non-glutinous | 0 | Low | 90 | Soft | Grey | 2 |
| Bhalu | Non-glutinous | 0 | Intermediate | 107 | Soft | Brown | 2 |
| Bhalu dubraj | Non-glutinous | 1 | Intermediate | 55 | Intermediate | Blue | 2 |
| Bhata kuji | Non-glutinous | 0 | Intermediate | 50 | Intermediate | Brown | 2 |
| Bhata magada | Non-glutinous | 0 | Intermediate | 82 | Soft | Brown | 1 |
| Bhata masuri | Intermediate | 0 | Intermediate | 105 | Soft | Blue | 1 |
| Bhata sopuri | Intermediate | 0 | Intermediate | 62 | Soft | Brown | 1 |
| Bhatta churi | Intermediate | 0 | Intermediate | 20 | Hard | Blue | 0 |
| Bhatta ganthia | Non-glutinous | 0 | Intermediate | 97 | Soft | Brown | 1 |
| Bhatta mali | Non-glutinous | 0 | Intermediate | 50 | Intermediate | Blue | 1 |
| Bhoda manji | Non-glutinous | 0 | Intermediate | 105 | Soft | Brown | 0 |
| Bhoglaya | Non-glutinous | 2 | Intermediate | 80 | Soft | Brown | 2 |
| Bhonda dhan | Glutinous | 0 | Intermediate | 80 | Soft | Blue | 2 |
| Bhugunisar | Non-glutinous | 0 | Intermediate | 115 | Soft | Blue | 2 |
| Bhuikena | Intermediate | 0 | Intermediate | 106 | Soft | Brown | 2 |
| Bhuli ker | Non-glutinous | 0 | Intermediate | 110 | Soft | Blue | 0 |
| Bhurkundi | Non-glutinous | 0 | Intermediate | 42 | Intermediate | Blue | 2 |
| Bhutai ker | Non-glutinous | 0 | Intermediate | 75 | Soft | Blue | 0 |
| Bhutta churi | Glutinous | 0 | Intermediate | 5 | Hard | Blue | 2 |
| Bidi | Non-glutinous | 0 | Intermediate | 67 | Soft | Blue | 2 |
| Bishnubhog | Non-glutinous | 2 | Intermediate | 89 | Soft | Blue | 0 |
| Biti kaberi | Non-glutinous | 0 | Intermediate | 90 | Soft | Pink | 1 |
| Bodi kaberi | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 2 |
| Bodi kaberi-2 | Intermediate | 0 | Low | 72 | Soft | Blue | 2 |
| Boisri pat | Non-glutinous | 0 | Intermediate | 105 | Soft | Blue | 2 |
| Budhi kakudia | Non-glutinous | 0 | Intermediate | 75 | Soft | Blue | 2 |
| Burkundi | Non-glutinous | 0 | Intermediate | 62 | Soft | Blue | 1 |
| Buro jari | Non-glutinous | 0 | Intermediate | 70 | Soft | Blue | 0 |
| Buta ker | Non-glutinous | 0 | Intermediate | 100 | Soft | Pink | 0 |
| Chaina goda | Non-glutinous | 0 | Intermediate | 86 | Soft | Violet | 1 |
| Chakra goda | Non-glutinous | 0 | Intermediate | 50 | Intermediate | Blue | 1 |
| Chari nakhi | Non-glutinous | 0 | Intermediate | 100 | Soft | Blue | 1 |
| Cheri gadi | Non-glutinous | 0 | Intermediate | 90 | Soft | Orange | 2 |
| Chikla koli | Non-glutinous | 0 | Intermediate | 94 | Soft | Blue | 1 |
| Chinger | Intermediate | 1 | Intermediate | 115 | Soft | Brown | 2 |
| Chipti dhan | Non-glutinous | 0 | Intermediate | 100 | Soft | Brown | 1 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|------------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Chipti gurmatia | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 0 |
| Chipti masuri | Non-glutinous | 0 | Intermediate | 104 | Soft | Blue | 2 |
| Chudi dhana | Non-glutinous | 0 | Intermediate | 106 | Soft | Brown | 1 |
| Churi dhan | Non-glutinous | 0 | Intermediate | 60 | Intermediate | Blue | 2 |
| Dahan prasad | Glutinous | 1 | Low | 77 | Soft | Blue | 0 |
| Dashahara jhuti | Non-glutinous | 1 | Intermediate | 84 | Soft | Blue | 2 |
| Dashra mathiya | Non-glutinous | 0 | Intermediate | 100 | Soft | Pink | 2 |
| Deulabhog | Non-glutinous | 2 | Intermediate | 98 | Soft | Blue | 2 |
| Dhabli mami | Non-glutinous | 0 | Intermediate | 90 | Soft | Brown | 2 |
| Dhala lau | Non-glutinous | 0 | Intermediate | 65 | Soft | Blue | 2 |
| Dhala saroo | Intermediate | 0 | Intermediate | 78 | Soft | Blue | 0 |
| Dhania bija | Non-glutinous | 0 | Intermediate | 78 | Soft | Brown | 1 |
| Dhankadi deepa | Non-glutinous | 0 | Low | 87 | Soft | Blue | 0 |
| Dokra mesa | Intermediate | 0 | Intermediate | 97 | Soft | Brown | 1 |
| Dondaloor | Non-glutinous | 0 | High | 106 | Soft | Blue | 1 |
| Dongar churi | Intermediate | 0 | Intermediate | 45 | Intermediate | Blue | 0 |
| Dongar dhan | Intermediate | 0 | Intermediate | 115 | Soft | Pink | 2 |
| Doubli | Glutinous | 2 | Intermediate | 29 | Hard | Blue | 2 |
| Dudha moni | Non-glutinous | 1 | Intermediate | 90 | Soft | Blue | 1 |
| Dular | Intermediate | 0 | Intermediate | 45 | Intermediate | Blue | 2 |
| Eripi suna | Non-glutinous | 0 | Low | 50 | Intermediate | Blue | 0 |
| Fandeh | Non-glutinous | 0 | Low | 42 | Intermediate | Brown | 1 |
| Firik | Non-glutinous | 0 | Intermediate | 110 | Soft | Brown | 2 |
| Gaada dhan | Non-glutinous | 0 | Intermediate | 82 | Soft | Brown | 1 |
| Gada khuta | Non-glutinous | 0 | Intermediate | 100 | Soft | Brown | 1 |
| Gadaba | Intermediate | 0 | Low | 41 | Intermediate | Brown | 2 |
| Gadha | Non-glutinous | 0 | Intermediate | 50 | Intermediate | Blue | 2 |
| Gadi chari | Non-glutinous | 0 | Intermediate | 72 | Soft | Blue | 2 |
| Gangabali | Intermediate | 2 | Intermediate | 84 | Soft | Blue | 1 |
| Gangabalu | Non-glutinous | 0 | Intermediate | 70 | Soft | Blue | 0 |
| Gangabhalu | Non-glutinous | 0 | Intermediate | 22 | Hard | Blue | 0 |
| Gan jei lata | Non-glutinous | 0 | Intermediate | 115 | Soft | Blue | 2 |
| Genthu nadia | Non-glutinous | 0 | Intermediate | 110 | Soft | Blue | 1 |
| Ghotia | Intermediate | 0 | Intermediate | 67 | Soft | Pink | 2 |
| Gidhan dhan | Intermediate | 0 | Intermediate | 70 | Soft | Brown | 1 |
| Gite ker | Non-glutinous | 0 | Intermediate | 110 | Soft | Blue | 2 |
| Gobinda | Non-glutinous | 0 | Intermediate | 100 | Soft | Blue | 0 |
| Conadaru | Non-glutinous | 0 | Intermediate | 79 | Soft | Brown | 1 |
| Goti saina | Non-glutinous | 0 | Intermediate | 52 | Intermediate | Blue | 2 |
| Gotia | Non-glutinous | 0 | Intermediate | 55 | Intermediate | Blue | 0 |
| Gouri suna | Non-glutinous | 0 | Intermediate | 58 | Intermediate | Blue | 0 |
| Government churi | Non-glutinous | 0 | Intermediate | 65 | Soft | Blue | 1 |
| Gudmal | Non-glutinous | 0 | Intermediate | 40 | Hard | Orange | 2 |
| Gumudi | Non-glutinous | 0 | Intermediate | 95 | Soft | Orange | 1 |
| Guruji | Non-glutinous | 0 | High | 102 | Soft | Brown | 2 |
| Curumukhi | Intermediate | 0 | Intermediate | 92 | Soft | Orange | 2 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|-----------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Haldi | Non-glutinous | 0 | Intermediate | 85 | Soft | Brown | 2 |
| Haldi churi | Non-glutinous | 0 | Intermediate | 112 | Soft | Black | 2 |
| Haldi ganthi | Non-glutinous | 0 | Intermediate | 78 | Soft | Pink | 1 |
| Haldi ropa | Non-glutinous | 0 | Low | 105 | Soft | Orange | 0 |
| Haldi sari | Intermediate | 0 | Intermediate | 75 | Soft | Brown | 1 |
| Hari shankar | Intermediate | 0 | Intermediate | 47 | Intermediate | Blue | 2 |
| Hati gada khuta | Non-glutinous | 0 | Low | 92 | Soft | Violet | 2 |
| Heera khandi | Non-glutinous | 1 | Low | 62 | Soft | Blue | 1 |
| Huggi bhutta | Glutinous | 2 | Intermediate | 95 | Soft | Brown | 2 |
| Ikle kotah | Non-glutinous | 0 | Intermediate | 54 | Intermediate | Brown | 1 |
| Ilika | Intermediate | 0 | Intermediate | 55 | Intermediate | Brown | 1 |
| Jani jari | Non-glutinous | 0 | Low | 62 | Soft | Blue | 1 |
| Jara bhog | Non-glutinous | 2 | Intermediate | 105 | Soft | Blue | 1 |
| Jeera | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 1 |
| Jhari konchi | Non-glutinous | 0 | Intermediate | 80 | Soft | Blue | 1 |
| Jhi goda | Non-glutinous | 0 | Intermediate | 28 | Hard | Grey | 2 |
| Jhitrikoni | Non-glutinous | 0 | Intermediate | 70 | Soft | Orange | 2 |
| Jhuli (o) | Intermediate | 0 | Intermediate | 115 | Soft | Black | 1 |
| Jhuluki suna | Non-glutinous | 0 | Intermediate | 76 | Soft | Blue | 2 |
| Jhumpachuri | Intermediate | 0 | Intermediate | 42 | Intermediate | Blue | 1 |
| Jhumpuri | Non-glutinous | 0 | Intermediate | 86 | Soft | Pink | 2 |
| Jhupa mali | Non-glutinous | 0 | Intermediate | 82 | Soft | Blue | 0 |
| Juhi goda | Non-glutinous | 0 | Intermediate | 98 | Soft | Blue | 2 |
| Jungli chopra | Non-glutinous | 0 | Intermediate | 45 | Intermediate | Grey | 2 |
| Kaba gori | Non-glutinous | 0 | Intermediate | 90 | Soft | Blue | 2 |
| Kaberi | Non-glutinous | 0 | Low | 80 | Soft | Blue | 0 |
| Kaberi gandha | Non-glutinous | 0 | Intermediate | 60 | Intermediate | Brown | 1 |
| Kala churi | Non-glutinous | 0 | Intermediate | 80 | Soft | Blue | 2 |
| Kala dubraj | Non-glutinous | 0 | Low | 50 | Intermediate | Blue | 1 |
| Kala jira | Non-glutinous | 1 | Low | 55 | Intermediate | Blue | 2 |
| Kala keshto | Non-glutinous | 2 | Low | 45 | Intermediate | Blue | 2 |
| Kala kolli | Non-glutinous | 0 | Intermediate | 55 | Intermediate | Blue | 2 |
| Kala krushna | Non-glutinous | 2 | Intermediate | 55 | Intermediate | Blue | 1 |
| Kala malli | Non-glutinous | 0 | Low | 107 | Soft | Blue | 1 |
| Kala mohara | Non-glutinous | 0 | Low | 91 | Soft | Pink | 2 |
| Kala namak | Non-glutinous | 2 | Intermediate | 72 | Soft | Blue | 2 |
| Kalabati | Glutinous | 0 | Intermediate | 70 | Soft | Black | 2 |
| Kalabhat (o) | Non-glutinous | 1 | Intermediate | 72 | Soft | Blue | 2 |
| Kalandia churi | Non-glutinous | 0 | Intermediate | 7 | Hard | Brown | 1 |
| Kalari kuji | Non-glutinous | 0 | Intermediate | 76 | Soft | Brown | 2 |
| Kalasu | Non-glutinous | 0 | Intermediate | 108 | Soft | Brown | 2 |
| Kaleswar | Non-glutinous | 0 | Intermediate | 117 | Soft | Blue | 0 |
| Kali churi | Non-glutinous | 0 | Intermediate | 110 | Soft | Blue | 2 |
| Kalia chipti-1 | Non-glutinous | 0 | Intermediate | 108 | Soft | Orange | 2 |
| Kalia chipti-2 | Non-glutinous | 0 | Intermediate | 108 | Soft | Orange | 0 |
| Kalia ganthi | Intermediate | 0 | Low | 91 | Soft | Brown | 2 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|------------------------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Kalia ker | Intermediate | 0 | Low | 10 | Hard | Blue | 0 |
| Kalia palsi | Non-glutinous | 0 | Intermediate | 84 | Soft | Brown | 1 |
| Kalia para | Non-glutinous | 0 | Intermediate | 105 | Soft | Brown | 2 |
| Kanakchampa | Non-glutinous | 1 | Low | 40 | Hard | Blue | 1 |
| Kandula kathi | Non-glutinous | 0 | Intermediate | 88 | Soft | Brown | 2 |
| Kankuri manji | Non-glutinous | 0 | Low | 52 | Intermediate | Blue | 1 |
| Kanta churi | Intermediate | 0 | Intermediate | 49 | Intermediate | Brown | 1 |
| Karanga goda | Non-glutinous | 0 | Intermediate | 110 | Soft | Brown | 2 |
| Karga | Non-glutinous | 0 | Intermediate | 42 | Intermediate | Brown | 2 |
| Kari kuji | Non-glutinous | 0 | Intermediate | 26 | Hard | Blue | 2 |
| Karna-sal | Intermediate | 0 | Intermediate | 88 | Soft | Brown | 2 |
| Kasam jhanti | Non-glutinous | 0 | Intermediate | 71 | Soft | Blue | 1 |
| Kasam juba | Non-glutinous | 0 | Intermediate | 46 | Intermediate | Blue | 2 |
| Kendu mundi | Intermediate | 0 | Intermediate | 110 | Soft | Brown | 2 |
| Kerandi | Intermediate | 0 | Low | 42 | Intermediate | Brown | 1 |
| Kharah | Intermediate | 0 | Low | 115 | Soft | Orange | 2 |
| Khejur jhopa | Intermediate | 0 | Intermediate | 110 | Soft | Blue | 1 |
| Kolamali | Non-glutinous | 2 | Intermediate | 100 | Soft | Black | 1 |
| Koliya lengri | Intermediate | 0 | Intermediate | 107 | Soft | Blue | 1 |
| Kolkati | Non-glutinous | 0 | Intermediate | 81 | Soft | Blue | 2 |
| Kolpi late | Non-glutinous | 0 | Intermediate | 78 | Soft | Blue | 1 |
| Kompini kuji | Non-glutinous | 0 | Intermediate | 92 | Soft | Violet | 2 |
| Kondho dhan | Non-glutinous | 0 | Intermediate | 65 | Soft | Grey | 2 |
| Koro koyeli | Non-glutinous | 0 | Intermediate | 50 | Intermediate | Blue | 2 |
| Koshi kamon | Non-glutinous | 0 | Intermediate | 115 | Soft | Brown | 1 |
| Koylaraj | Non-glutinous | 2 | Low | 75 | Soft | Blue | 2 |
| Kuda khama kada | Non-glutinous | 0 | Intermediate | 22 | Hard | Blue | 1 |
| Kuja dhan | Non-glutinous | 0 | Intermediate | 70 | Soft | Blue | 1 |
| Kurai | Intermediate | 1 | Intermediate | 105 | Soft | Blue | 0 |
| Kuru churi | Intermediate | 0 | Intermediate | 24 | Hard | Blue | 1 |
| Kusumgenda | Non-glutinous | 0 | Intermediate | 54 | Intermediate | Blue | 2 |
| Kuyer kuling | Non-glutinous | 2 | Intermediate | 70 | Soft | Blue | 0 |
| Lagam ker (syn. Lagam churi) | Intermediate | 0 | Intermediate | 27 | Hard | Blue | 1 |
| Laha raja | Non-glutinous | 1 | Intermediate | 105 | Soft | Blue | 0 |
| Lakdi | Non-glutinous | 0 | Intermediate | 22 | Hard | Blue | 1 |
| Lal dhan | Non-glutinous | 0 | Intermediate | 75 | Soft | Blue | 0 |
| Lalu dhan | Non-glutinous | 2 | Intermediate | 80 | Soft | Blue | 1 |
| Lalu dubraj | Intermediate | 0 | Intermediate | 85 | Soft | Blue | 2 |
| Lankeswari | Non-glutinous | 0 | Low | 104 | Soft | Blue | 2 |
| Laser | Non-glutinous | 0 | Intermediate | 87 | Soft | Blue | 1 |
| Lim churi | Intermediate | 0 | Intermediate | 105 | Soft | Brown | 2 |
| Lochhai | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 1 |
| Lohri | Non-glutinous | 0 | Intermediate | 117 | Soft | Blue | 2 |
| Lokti kuji | Non-glutinous | 0 | Intermediate | 70 | Soft | Blue | 2 |
| Lokti mochi | Non-glutinous | 1 | Intermediate | 65 | Soft | Blue | 2 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|------------------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Lompop ker | Non-glutinous | 0 | Intermediate | 105 | Soft | Blue | 1 |
| Ludari | Non-glutinous | 0 | Intermediate | 108 | Soft | Blue | 2 |
| Lusaw | Intermediate | 0 | Intermediate | 114 | Soft | Brown | 0 |
| Maccha kanta | Non-glutinous | 1 | Low | 27 | Hard | Blue | 2 |
| Maharaji | Intermediate | 2 | Low | 92 | Soft | Blue | 1 |
| Mahula khushi | Non-glutinous | 0 | Intermediate | 102 | Soft | Blue | 2 |
| Mal bhutka | Intermediate | 0 | Intermediate | 85 | Soft | Blue | 2 |
| Mal goyendi | Non-glutinous | 0 | Intermediate | 102 | Soft | Brown | 1 |
| Malifuljhuli | Non-glutinous | 0 | Intermediate | 58 | Intermediate | Blue | 1 |
| Mami dhan | Non-glutinous | 0 | Intermediate | 90 | Soft | Pink | 2 |
| Mangu gadi | Non-glutinous | 0 | Intermediate | 60 | Intermediate | Blue | 2 |
| Mati dhan | Intermediate | 0 | Intermediate | 70 | Soft | Orange | 2 |
| Mati gandha | Intermediate | 0 | Intermediate | 110 | Soft | Brown | 2 |
| Mayer | Intermediate | 0 | Low | 28 | Hard | Brown | 2 |
| Mayurkantha | Non-glutinous | 0 | Intermediate | 95 | Soft | Orange | 2 |
| Megha dambaru | Non-glutinous | 0 | Intermediate | 101 | Soft | Orange | 2 |
| Mchadi | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 2 |
| Melia patti | Non-glutinous | 0 | Intermediate | 45 | Intermediate | Blue | 2 |
| Melia peti | Non-glutinous | 0 | Intermediate | 90 | Soft | Blue | 2 |
| Mesha | Non-glutinous | 0 | Low | 98 | Soft | Blue | 1 |
| Minchiri | Non-glutinous | 0 | Intermediate | 82 | Soft | Grey | 2 |
| Mirlo | Non-glutinous | 2 | Intermediate | 70 | Soft | Blue | 0 |
| Mohul kuchi | Non-glutinous | 0 | Intermediate | 122 | Soft | Blue | 1 |
| Moti madi | Glutinous | 0 | Intermediate | 5 | Hard | Brown | 1 |
| Motichur | Non-glutinous | 0 | Intermediate | 80 | Soft | Blue | 0 |
| Moyna tundi | Intermediate | 0 | Intermediate | 60 | Intermediate | Blue | 2 |
| Muah | Intermediate | 0 | Intermediate | 98 | Soft | Blue | 2 |
| Mukta bali | Non-glutinous | 0 | Intermediate | 100 | Soft | Blue | 1 |
| Muktamali | Non-glutinous | 0 | Intermediate | 65 | Soft | Blue | 1 |
| Muktamani | Intermediate | 0 | Low | 107 | Soft | Blue | 1 |
| Nababi | Glutinous | 0 | Intermediate | 65 | Soft | Blue | 1 |
| Nada saria | Non-glutinous | 0 | Intermediate | 72 | Soft | Blue | 0 |
| Nali pankhia | Non-glutinous | 0 | Intermediate | 100 | Soft | Brown | 1 |
| Nanji | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 1 |
| Narej dhan | Non-glutinous | 0 | Intermediate | 22 | Hard | Blue | 2 |
| Niyali godi | Intermediate | 0 | Intermediate | 52 | Intermediate | Pink | 1 |
| Osha gondial | Non-glutinous | 0 | Intermediate | 42 | Intermediate | Blue | 1 |
| Padiaraja | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 0 |
| Pandaka gura | Intermediate | 0 | Low | 25 | Hard | Brown | 1 |
| Para | Non-glutinous | 0 | Low | 108 | Soft | Black | 2 |
| Paranga | Non-glutinous | 0 | Intermediate | 110 | Soft | Pink | 1 |
| Pathala (syn. Pathara) | Non-glutinous | 0 | Intermediate | 15 | Hard | Blue | 2 |
| Paton gada | Intermediate | 0 | Intermediate | 87 | Soft | Grey | 1 |
| Patta hiudi | Non-glutinous | 0 | Low | 95 | Soft | Blue | 0 |
| Pirim | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 2 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|-----------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Pora dhan | Intermediate | 0 | Intermediate | 80 | Soft | Pink | 2 |
| Posika | Intermediate | 0 | Intermediate | 107 | Soft | Blue | 1 |
| Posro churi | Non-glutinous | 0 | Low | 120 | Soft | Black | 1 |
| Poto | Glutinous | 0 | Low | 10 | Hard | Blue | 0 |
| Radha dhan | Non-glutinous | 0 | Intermediate | 15 | Hard | Blue | 1 |
| Radha jugal | Non-glutinous | 0 | Low | 82 | Soft | Blue | 2 |
| Radha kajal | Non-glutinous | 0 | Intermediate | 72 | Soft | Orange | 2 |
| Raghuse | Glutinous | 1 | Intermediate | 2 | Hard | Blue | 1 |
| Raja bhog | Non-glutinous | 0 | Intermediate | 90 | Soft | Blue | 2 |
| Raja rani | Non-glutinous | 0 | Intermediate | 68 | Soft | Blue | 1 |
| Raji | Non-glutinous | 0 | Low | 92 | Soft | Brown | 1 |
| Ranga dhan | Non-glutinous | 0 | Intermediate | 72 | Soft | Orange | 0 |
| Ranga hazari | Non-glutinous | 0 | Intermediate | 78 | Soft | Blue | 2 |
| Rani kanda | Non-glutinous | 1 | Intermediate | 107 | Soft | Blue | 2 |
| Rani ketaki | Non-glutinous | 1 | Low | 60 | Intermediate | Blue | 2 |
| Rani siyali | Glutinous | 0 | Intermediate | 55 | Intermediate | Orange | 1 |
| Rata dhan | Intermediate | 0 | Intermediate | 45 | Intermediate | Orange | 1 |
| Ratanchuri | Non-glutinous | 0 | Intermediate | 80 | Soft | Blue | 2 |
| Reldo | Glutinous | 0 | Intermediate | 78 | Soft | Blue | 2 |
| Sada jhinga-sal | Non-glutinous | 0 | Intermediate | 110 | Soft | Blue | 2 |
| Sahina | Non-glutinous | 0 | High | 101 | Soft | Blue | 1 |
| Sal jhati | Intermediate | 0 | Intermediate | 105 | Soft | Blue | 1 |
| Salekanthi | Intermediate | 0 | Intermediate | 5 | Hard | Blue | 0 |
| Sama | Non-glutinous | 0 | Intermediate | 102 | Soft | Blue | 2 |
| Samudra bali | Non-glutinous | 2 | Intermediate | 102 | Soft | Blue | 0 |
| Sana moipal | Intermediate | 0 | Low | 112 | Soft | Blue | 2 |
| Sarasbhog | Intermediate | 2 | Intermediate | 109 | Soft | Blue | 1 |
| Saroo kalamalli | Glutinous | 0 | Intermediate | 100 | Soft | Blue | 2 |
| Sataka | Intermediate | 0 | Intermediate | 2 | Hard | Blue | 2 |
| Sekara | Glutinous | 0 | Intermediate | 65 | Soft | Pink | 2 |
| Sendoor | Intermediate | 0 | Intermediate | 107 | Soft | Blue | 1 |
| Setaka | Intermediate | 0 | Intermediate | 2 | Hard | Pink | 2 |
| Shamla | Non-glutinous | 0 | Intermediate | 68 | Soft | Blue | 2 |
| Shankar jira | Glutinous | 0 | Intermediate | 90 | Soft | Blue | 0 |
| Sikala kali | Intermediate | 0 | Intermediate | 88 | Soft | Blue | 2 |
| Siki musuri | Glutinous | 0 | Low | 95 | Soft | Blue | 1 |
| Sitai | Intermediate | 0 | Intermediate | 104 | Soft | Blue | 1 |
| Sopur dhan | Intermediate | 0 | Intermediate | 48 | Intermediate | Blue | 1 |
| Sopur ker | Intermediate | 0 | Intermediate | 105 | Soft | Blue | 1 |
| Sopuri | Non-glutinous | 0 | Low | 90 | Soft | Blue | 1 |
| Sopuri padi | Non-glutinous | 0 | Intermediate | 92 | Soft | Blue | 1 |
| Suna khadi | Non-glutinous | 0 | Low | 104 | Soft | Blue | 1 |
| Suna khadika | Non-glutinous | 0 | Intermediate | 100 | Soft | Blue | 1 |
| Suna sob | Intermediate | 0 | Intermediate | 20 | Hard | Blue | 1 |
| Sunamukhi | Non-glutinous | 0 | Intermediate | 50 | Intermediate | Blue | 0 |
| Sunasari | Non-glutinous | 0 | Intermediate | 118 | Soft | Blue | 2 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|---------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Supari | Intermediate | 0 | Intermediate | 98 | Soft | Blue | 1 |
| Tarmanga | Non-glutinous | 0 | Intermediate | 50 | Intermediate | Blue | 2 |
| Temuru churi | Non-glutinous | 0 | Intermediate | 111 | Soft | Black | 2 |
| Thakurbhog | Non-glutinous | 2 | Intermediate | 80 | Soft | Blue | 0 |
| Tike churi | Intermediate | 0 | Intermediate | 110 | Soft | Brown | 1 |
| Tulasi | Non-glutinous | 1 | Intermediate | 109 | Soft | Blue | 2 |
| Tulasibas | Glutinous | 2 | Low | 67 | Soft | Blue | 0 |
| Tulsi ganthi | Non-glutinous | 0 | Intermediate | 96 | Soft | Blue | 1 |
| Umuri | Non-glutinous | 0 | Intermediate | 95 | Soft | Orange | 1 |
| Umuria churi | Intermediate | 0 | Intermediate | 106 | Soft | Blue | 2 |
| Utkal prabha | Intermediate | 0 | Intermediate | 95 | Soft | Blue | 2 |

State: WEST BENGAL

| | | | | | | | |
|-----------------|---------------|---|--------------|-----|--------------|--------|---|
| Aash | Non-glutinous | 0 | Intermediate | 62 | Soft | Blue | 1 |
| Abirban | Intermediate | 0 | Intermediate | 115 | Soft | Brown | 2 |
| Addey | Intermediate | 0 | Low | 20 | Hard | Blue | 0 |
| Agniban | Intermediate | 0 | Intermediate | 104 | Soft | Orange | 1 |
| Ahana | Non-glutinous | 0 | Intermediate | 98 | Soft | Blue | 0 |
| Ajirman | Intermediate | 0 | Intermediate | 106 | Soft | Brown | 1 |
| Akshay rani | Intermediate | 0 | Intermediate | 10 | Hard | Brown | 1 |
| Alsanga | Non-glutinous | 0 | Intermediate | 71 | Soft | Blue | 2 |
| Alta pati | Intermediate | 0 | Intermediate | 112 | Soft | Blue | 2 |
| Amar-sal | Non-glutinous | 0 | Intermediate | 70 | Soft | Blue | 2 |
| Amit | Non-glutinous | 0 | Intermediate | 74 | Soft | Blue | 1 |
| Annapurna | Non-glutinous | 0 | Intermediate | 110 | Soft | Blue | 0 |
| Anshphal | Non-glutinous | 0 | Low | 76 | Soft | Blue | 0 |
| Asanleya | Non-glutinous | 0 | Low | 45 | Intermediate | Blue | 1 |
| Ashu | Intermediate | 0 | Low | 100 | Soft | Brown | 2 |
| Ashwin dhulia | Non-glutinous | 0 | Intermediate | 82 | Soft | Blue | 1 |
| Ashwin jharia-1 | Non-glutinous | 0 | Low | 85 | Soft | Blue | 1 |
| Ashwin jharia-2 | Intermediate | 0 | Intermediate | 55 | Intermediate | Blue | 2 |
| Asit kalma | Non-glutinous | 0 | Low | 109 | Soft | Blue | 2 |
| Assam aush | Non-glutinous | 0 | Intermediate | 96 | Soft | Blue | 1 |
| Asuripak | Non-glutinous | 0 | Intermediate | 100 | Soft | Blue | 0 |
| Ausha bonkata | Non-glutinous | 0 | Intermediate | 115 | Soft | Blue | 1 |
| Babuilata | Non-glutinous | 0 | Intermediate | 112 | Soft | Brown | 1 |
| Badabona | Non-glutinous | 0 | Low | 88 | Soft | Brown | 2 |
| Badam phool | Non-glutinous | 0 | Low | 46 | Intermediate | Brown | 2 |
| Bagh jhapta | Non-glutinous | 0 | Intermediate | 65 | Soft | Blue | 0 |
| Baghilal patnai | Non-glutinous | 0 | Intermediate | 55 | Intermediate | Blue | 1 |
| Bahurupi | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 0 |
| Baid dhusuri | Intermediate | 0 | Intermediate | 90 | Soft | Pink | 2 |
| Baid dulah | Non-glutinous | 0 | Intermediate | 91 | Soft | Orange | 2 |
| Baid kalamkathi | Intermediate | 0 | Intermediate | 108 | Soft | Blue | 2 |
| Baidras | Intermediate | 0 | Low | 110 | Soft | Blue | 2 |
| Baish nagina | Intermediate | 0 | Intermediate | 50 | Intermediate | Blue | 0 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|------------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Bakul phul | Non-glutinous | 0 | Intermediate | 105 | Soft | Blue | 2 |
| Balam | Non-glutinous | 0 | Intermediate | 102 | Soft | Blue | 2 |
| Balaram-sal | Intermediate | 0 | Intermediate | 85 | Soft | Pink | 1 |
| Bali bhajna | Non-glutinous | 0 | Low | 112 | Soft | Orange | 2 |
| Balir pinda | Non-glutinous | 2 | Intermediate | 82 | Soft | Blue | 1 |
| Bangla patnai | Intermediate | 0 | Intermediate | 102 | Soft | Blue | 2 |
| Bank chur | Intermediate | 0 | Intermediate | 108 | Soft | Blue | 0 |
| Bankrah | Intermediate | 0 | Intermediate | 62 | Soft | Blue | 2 |
| Bankui | Non-glutinous | 0 | Intermediate | 105 | Soft | Grey | 2 |
| Bankuli | Non-glutinous | 0 | High | 70 | Soft | Blue | 2 |
| Banmae jo | Non-glutinous | 0 | Low | 52 | Intermediate | Blue | 1 |
| Bansh gajal | Non-glutinous | 0 | Intermediate | 108 | Soft | Orange | 1 |
| Bansh kanta | Intermediate | 0 | Intermediate | 77 | Soft | Brown | 1 |
| Bansh kathi | Intermediate | 0 | Low | 65 | Soft | Orange | 2 |
| Bansh mugur | Glutinous | 0 | Intermediate | 5 | Hard | Blue | 2 |
| Bansh mukhi | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 1 |
| Bansh pata | Non-glutinous | 0 | Intermediate | 115 | Soft | Brown | 2 |
| Bansh pati | Non-glutinous | 0 | Low | 100 | Soft | Pink | 2 |
| Bansh pati | Intermediate | 0 | Intermediate | 115 | Soft | Blue | 1 |
| Bansh tara | Non-glutinous | 0 | High | 94 | Soft | Blue | 2 |
| Banya-sal | Non-glutinous | 0 | Intermediate | 92 | Soft | Pink | 2 |
| Bardhaman nagra | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 2 |
| Bardhaman panloi | Non-glutinous | 0 | Low | 85 | Soft | Blue | 1 |
| Basan kayal | Intermediate | 0 | Intermediate | 109 | Soft | Grey | 1 |
| Batasa bhog | Non-glutinous | 2 | Intermediate | 109 | Soft | Blue | 1 |
| Begun bichi | Non-glutinous | 0 | Intermediate | 108 | Soft | Blue | 0 |
| Benajhuri | Non-glutinous | 0 | Intermediate | 72 | Soft | Blue | 2 |
| Benaphool | Intermediate | 1 | Intermediate | 98 | Soft | Blue | 2 |
| Benga dhan | Glutinous | 0 | Intermediate | 22 | Hard | Blue | 0 |
| Bhalki | Non-glutinous | 0 | Intermediate | 100 | Soft | Brown | 2 |
| Bhaluki | Intermediate | 0 | Intermediate | 70 | Soft | Orange | 1 |
| Bharat patnai-1 | Intermediate | 0 | Low | 56 | Intermediate | Blue | 2 |
| Bharat patnai-2 | Non-glutinous | 0 | Intermediate | 100 | Soft | Blue | 1 |
| Bhasa kalmi | Glutinous | 0 | Intermediate | 1 | Hard | Brown | 1 |
| Bhasa kathi | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 0 |
| Bhasamanik | Non-glutinous | 0 | Low | 85 | Soft | Pink | 1 |
| Bheral | Intermediate | 0 | Intermediate | 60 | Intermediate | Brown | 2 |
| Bhim-sal | Intermediate | 2 | Intermediate | 60 | Intermediate | Blue | 2 |
| Bhog dhan | Non-glutinous | 2 | Intermediate | 64 | Soft | Blue | 1 |
| Bhuri | Intermediate | 0 | Intermediate | 70 | Soft | Orange | 2 |
| Bhuri shulah | Non-glutinous | 0 | Intermediate | 88 | Soft | Orange | 2 |
| Bhut moori | Intermediate | 0 | Intermediate | 58 | Intermediate | Brown | 2 |
| Birala | Non-glutinous | 0 | Low | 65 | Soft | Blue | 1 |
| Biroi | Non-glutinous | 0 | Intermediate | 118 | Soft | Brown | 2 |
| Birpana | Non-glutinous | 0 | Intermediate | 92 | Soft | Pink | 2 |
| Bish nagina | Non-glutinous | 0 | Low | 77 | Soft | Brown | 1 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|----------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Bishmoni | Intermediate | 0 | Intermediate | 50 | Intermediate | Blue | 1 |
| Bochi | Intermediate | 0 | Low | 114 | Soft | Brown | 2 |
| Bochi gondri | Non-glutinous | 0 | Intermediate | 70 | Soft | Blue | 0 |
| Bodresh | Non-glutinous | 0 | Intermediate | 65 | Soft | Blue | 2 |
| Bokra | Non-glutinous | 0 | Intermediate | 62 | Soft | Blue | 2 |
| Boloi genti | Intermediate | 0 | Intermediate | 90 | Soft | Blue | 1 |
| Bombai mugi | Glutinous | 0 | Intermediate | 96 | Soft | Blue | 2 |
| Boubhog | Non-glutinous | 2 | Low | 80 | Soft | Blue | 0 |
| Bourani | Intermediate | 0 | Intermediate | 50 | Intermediate | Blue | 0 |
| Brimphul | Non-glutinous | 2 | Intermediate | 115 | Soft | Blue | 2 |
| Burma black | Intermediate | 2 | Intermediate | 65 | Soft | Brown | 2 |
| Chakramala | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 1 |
| Champa | Non-glutinous | 0 | Intermediate | 120 | Soft | Orange | 1 |
| Chandrakanta | Non-glutinous | 0 | Intermediate | 115 | Soft | Brown | 1 |
| Chapa khusi | Intermediate | 0 | Intermediate | 87 | Soft | Pink | 2 |
| Chatui mukhi | Non-glutinous | 2 | Intermediate | 52 | Intermediate | Blue | 0 |
| Cheena kamini | Non-glutinous | 2 | Intermediate | 85 | Soft | Blue | 0 |
| Cheena pakri | Glutinous | 0 | Intermediate | 90 | Soft | Blue | 0 |
| Chenga | Intermediate | 0 | Intermediate | 101 | Soft | Brown | 2 |
| Chenga rangi | Intermediate | 0 | Low | 82 | Soft | Blue | 2 |
| Cherki jhuloor | Intermediate | 0 | Intermediate | 62 | Soft | Blue | 2 |
| Chhoto nuniya | Non-glutinous | 1 | Intermediate | 82 | Soft | Blue | 1 |
| Chila meteh | Intermediate | 0 | Intermediate | 110 | Soft | Pink | 1 |
| Chila patnai | Glutinous | 0 | Intermediate | 91 | Soft | Blue | 2 |
| Churnokathi | Intermediate | 0 | Intermediate | 105 | Soft | Blue | 2 |
| Dadkhani | Non-glutinous | 0 | Low | 118 | Soft | Blue | 2 |
| Dad-sal | Non-glutinous | 2 | Intermediate | 107 | Soft | Blue | 1 |
| Dahar nagra | Non-glutinous | 0 | Low | 54 | Intermediate | Blue | 2 |
| Dakshina laghu | Glutinous | 0 | Intermediate | 85 | Soft | Blue | 2 |
| Danaguri | Intermediate | 2 | Low | 80 | Soft | Pink | 1 |
| Danger baruah | Non-glutinous | 0 | Intermediate | 100 | Soft | Brown | 2 |
| Darka-sal | Non-glutinous | 0 | Intermediate | 116 | Soft | Orange | 1 |
| Dar-sal | Intermediate | 1 | Intermediate | 58 | Intermediate | Blue | 2 |
| Dayal madina | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 2 |
| Debdulali | Non-glutinous | 2 | High | 110 | Soft | Blue | 2 |
| Dehradun | Non-glutinous | 0 | Intermediate | 5 | Hard | Blue | 1 |
| Dehradun | Non-glutinous | 2 | Low | 50 | Intermediate | Blue | 1 |
| gandheswari | | | | | | | |
| Dehradun-bas | Glutinous | 2 | Intermediate | 72 | Soft | Blue | 1 |
| Deputy-sal | Non-glutinous | 0 | Low | 110 | Soft | Brown | 2 |
| Deshi patnai | Non-glutinous | 0 | Intermediate | 101 | Soft | Blue | 2 |
| Dhanashree | Non-glutinous | 0 | Intermediate | 99 | Soft | Orange | 1 |
| Dhepa | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 1 |
| Dhowa-sal | Glutinous | 0 | Low | 110 | Soft | Blue | 1 |
| Dhula dhusuri | Glutinous | 0 | Intermediate | 40 | Hard | Blue | 1 |
| Dhula-sal | Non-glutinous | 0 | Intermediate | 102 | Soft | Orange | 2 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|------------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Dhusuri | Non-glutinous | 0 | Intermediate | 115 | Soft | Blue | 2 |
| Dolle kartike | Glutinous | 2 | Intermediate | 115 | Soft | Blue | 2 |
| Dorangi | Intermediate | 0 | Intermediate | 92 | Soft | Orange | 0 |
| Dudh kalam | Non-glutinous | 0 | Low | 90 | Soft | Blue | 2 |
| Dudh kalma | Non-glutinous | 0 | Intermediate | 25 | Hard | Blue | 2 |
| Dudhe bolta | Non-glutinous | 0 | Intermediate | 92 | Soft | Blue | 1 |
| Dudhe mator | Non-glutinous | 0 | Intermediate | 88 | Soft | Brown | 2 |
| Dudheswar | Non-glutinous | 0 | Intermediate | 85 | Soft | Orange | 2 |
| Dukhi darbar | Non-glutinous | 0 | Intermediate | 87 | Soft | Blue | 1 |
| Dumra | Intermediate | 0 | Low | 115 | Soft | Blue | 0 |
| Dumur-sal | Non-glutinous | 0 | Low | 82 | Soft | Blue | 1 |
| Durga | Non-glutinous | 2 | Intermediate | 105 | Soft | Blue | 1 |
| Durga sundari | Non-glutinous | 2 | Intermediate | 112 | Soft | Blue | 0 |
| Durga-sal | Glutinous | 0 | Intermediate | 80 | Soft | Blue | 0 |
| Fr-12a | Intermediate | 0 | Low | 110 | Soft | Orange | 2 |
| Gandha malati | Non-glutinous | 2 | Intermediate | 45 | Intermediate | Blue | 2 |
| Gandheswari | Non-glutinous | 2 | Intermediate | 108 | Soft | Blue | 1 |
| Gandhi biroin | Glutinous | 0 | Intermediate | 60 | Intermediate | Blue | 2 |
| Ganga -sal | Intermediate | 0 | Intermediate | 102 | Soft | Orange | 2 |
| Canthiya | Intermediate | 0 | Intermediate | 92 | Soft | Blue | 2 |
| Garib-sal | Intermediate | 0 | Intermediate | 49 | Intermediate | Blue | 2 |
| Gayasur | Non-glutinous | 2 | Intermediate | 111 | Soft | Brown | 2 |
| Gayerbot | Intermediate | 1 | Intermediate | 105 | Soft | Blue | 2 |
| Gendi | Intermediate | 0 | Intermediate | 41 | Intermediate | Blue | 2 |
| Centi-sal | Non-glutinous | 0 | Intermediate | 84 | Soft | Blue | 2 |
| Gentu | Intermediate | 0 | Intermediate | 115 | Soft | Blue | 2 |
| Geto | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 2 |
| Chaiya | Non-glutinous | 0 | Intermediate | 96 | Soft | Grey | 1 |
| Ghasraji | Non-glutinous | 0 | Intermediate | 50 | Intermediate | Blue | 2 |
| Cheos | Non-glutinous | 0 | Intermediate | 50 | Intermediate | Blue | 0 |
| Chora -sal | Non-glutinous | 0 | Intermediate | 25 | Hard | Blue | 1 |
| Ghuns | Non-glutinous | 1 | Intermediate | 45 | Intermediate | Blue | 2 |
| Ghusuri | Non-glutinous | 0 | Intermediate | 100 | Soft | Blue | 0 |
| Gita | Non-glutinous | 0 | Intermediate | 120 | Soft | Blue | 1 |
| Gitanjali | Intermediate | 0 | Intermediate | 92 | Soft | Blue | 2 |
| Citashree | Intermediate | 0 | Intermediate | 104 | Soft | Blue | 2 |
| Gobinda bhog | Non-glutinous | 2 | Intermediate | 96 | Soft | Blue | 0 |
| Cochari patnai | Intermediate | 0 | Intermediate | 40 | Hard | Blue | 1 |
| Godi khajrah | Intermediate | 0 | Intermediate | 45 | Intermediate | Blue | 1 |
| Gopalbhog | Non-glutinous | 2 | Low | 90 | Soft | Blue | 0 |
| Gorah | Intermediate | 0 | Intermediate | 42 | Intermediate | Brown | 2 |
| Gouri sundari | Non-glutinous | 0 | Intermediate | 82 | Soft | Pink | 2 |
| Gouri sunna | Non-glutinous | 2 | Intermediate | 75 | Soft | Blue | 1 |
| Gour-nitai | Intermediate | 0 | Intermediate | 115 | Soft | Pink | 1 |
| Government nagra | Intermediate | 0 | Intermediate | 47 | Intermediate | Blue | 1 |
| Haijam | Non-glutinous | 0 | Intermediate | 107 | Soft | Blue | 0 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|----------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Haldé batali | Non-glutinous | 0 | Low | 25 | Hard | Blue | 2 |
| Haldi guri | Non-glutinous | 1 | Low | 67 | Soft | Blue | 2 |
| Halpuna lal | Non-glutinous | 0 | Intermediate | 115 | Soft | Orange | 2 |
| Halud ganthi | Non-glutinous | 0 | High | 95 | Soft | Blue | 2 |
| Hamai | Intermediate | 0 | Low | 22 | Hard | Blue | 0 |
| Hamilton | Non-glutinous | 0 | Intermediate | 96 | Soft | Pink | 2 |
| Hanseswari | Non-glutinous | 0 | Intermediate | 42 | Intermediate | Orange | 1 |
| Harin kajli | Non-glutinous | 0 | Intermediate | 5 | Hard | Pink | 2 |
| Harir jhinga | Non-glutinous | 0 | Intermediate | 100 | Soft | Blue | 1 |
| Harma nona | Intermediate | 0 | Intermediate | 90 | Soft | Brown | 1 |
| Hati champa | Intermediate | 0 | Intermediate | 57 | Intermediate | Brown | 2 |
| Hati panjar | Non-glutinous | 0 | Intermediate | 10 | Hard | Blue | 2 |
| Heera moti | Non-glutinous | 0 | Intermediate | 90 | Soft | Violet | 0 |
| Hinché saroo | Intermediate | 0 | Intermediate | 55 | Intermediate | Blue | 1 |
| Hinchi lebu | Intermediate | 0 | Intermediate | 112 | Soft | Blue | 0 |
| Hogla | Non-glutinous | 0 | Low | 15 | Hard | Blue | 0 |
| Hudar | Non-glutinous | 0 | Intermediate | 95 | Soft | Blue | 2 |
| Ichhamati | Intermediate | 0 | Intermediate | 80 | Soft | Blue | 2 |
| Indra-sal | Intermediate | 0 | Intermediate | 70 | Soft | Brown | 2 |
| Jagannath bhog | Intermediate | 0 | Low | 78 | Soft | Blue | 2 |
| Jagannath-sal | Intermediate | 0 | Low | 29 | Hard | Blue | 1 |
| Jal kamini | Intermediate | 0 | Intermediate | 52 | Intermediate | Orange | 2 |
| Jaldubi | Glutinous | 0 | Low | 60 | Intermediate | Blue | 2 |
| Jamai nadu | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 2 |
| Jamai-sal | Non-glutinous | 0 | Low | 112 | Soft | Blue | 1 |
| Japaka | Non-glutinous | 2 | Intermediate | 86 | Soft | Blue | 2 |
| Jashua | Non-glutinous | 0 | Intermediate | 25 | Hard | Blue | 2 |
| Jata | Intermediate | 0 | Intermediate | 80 | Soft | Orange | 2 |
| Jata kalma | Glutinous | 0 | Intermediate | 80 | Soft | Pink | 2 |
| Jata leta-sal | Intermediate | 0 | Low | 45 | Intermediate | Pink | 2 |
| Jataki | Intermediate | 0 | Intermediate | 70 | Soft | Blue | 1 |
| Jhanjhi aush | Intermediate | 0 | Intermediate | 50 | Intermediate | Brown | 2 |
| Jhanti-1 | Intermediate | 0 | Intermediate | 112 | Soft | Blue | 0 |
| Jhanti-2 | Non-glutinous | 0 | Intermediate | 118 | Soft | Brown | 1 |
| Jhanti-sal | Non-glutinous | 0 | Intermediate | 110 | Soft | Blue | 1 |
| Jhili | Non-glutinous | 0 | High | 120 | Soft | Blue | 1 |
| Jhinga | Non-glutinous | 0 | Intermediate | 80 | Soft | Brown | 2 |
| Jhinga-sal | Non-glutinous | 0 | Intermediate | 115 | Soft | Blue | 1 |
| Jhiti piti | Intermediate | 0 | Intermediate | 109 | Soft | Pink | 1 |
| Jhuli-1 | Intermediate | 0 | High | 92 | Soft | Blue | 1 |
| Jhuli-2 | Non-glutinous | 0 | Intermediate | 117 | Soft | Blue | 2 |
| Jhuloor | Intermediate | 0 | Intermediate | 25 | Hard | Blue | 2 |
| Jhuloor 16 | Non-glutinous | 0 | Intermediate | 72 | Soft | Blue | 2 |
| Jhuluk sundari | Non-glutinous | 0 | Intermediate | 72 | Soft | Blue | 2 |
| Jhumiya sylhet | Intermediate | 0 | Low | 65 | Soft | Brown | 2 |
| Jira sari | Non-glutinous | 2 | Intermediate | 70 | Soft | Blue | 1 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|-------------------------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Jira-sal | Non-glutinous | 0 | Low | 72 | Soft | Blue | 2 |
| Jugal | Glutinous | 0 | High | 15 | Hard | Blue | 1 |
| Jungli jata | Intermediate | 0 | Low | 95 | Soft | Brown | 2 |
| Kabiraj-sal | Intermediate | 0 | Intermediate | 94 | Soft | Blue | 1 |
| Kadalika | Intermediate | 0 | Intermediate | 108 | Soft | Grey | 2 |
| Kaggey | Intermediate | 0 | Intermediate | 112 | Soft | Brown | 2 |
| Kaike | Non-glutinous | 0 | Intermediate | 78 | Soft | Brown | 2 |
| Kajal gouri (syn. Khayer-sal) | Intermediate | 0 | Intermediate | 95 | Soft | Orange | 2 |
| Kajal kathi | Intermediate | 0 | Low | 106 | Soft | Brown | 2 |
| Kajli | Non-glutinous | 0 | Low | 92 | Soft | Orange | 1 |
| Kala mocha | Non-glutinous | 0 | Intermediate | 98 | Soft | Pink | 2 |
| Kalam kathi | Glutinous | 0 | Intermediate | 57 | Intermediate | Orange | 1 |
| Kalaturi | Intermediate | 2 | Intermediate | 97 | Soft | Blue | 0 |
| Kali bhat | Non-glutinous | 1 | Intermediate | 80 | Soft | Brown | 1 |
| Kali jira | Non-glutinous | 2 | Low | 115 | Soft | Blue | 2 |
| Kali kamod | Non-glutinous | 2 | Intermediate | 105 | Soft | Blue | 1 |
| Kaliray | Intermediate | 0 | Intermediate | 102 | Soft | Brown | 2 |
| Kalishankar | Non-glutinous | 0 | Intermediate | 65 | Soft | Blue | 1 |
| Kalo boro | Intermediate | 0 | Intermediate | 112 | Soft | Brown | 2 |
| Kalo dhan | Non-glutinous | 0 | Intermediate | 5 | Hard | Grey | 2 |
| Kalo dhepa | Non-glutinous | 0 | Intermediate | 97 | Soft | Brown | 2 |
| Kalo dumra | Non-glutinous | 0 | Intermediate | 82 | Soft | Grey | 1 |
| Kalo meteh | Intermediate | 0 | Intermediate | 5 | Hard | Black | 2 |
| Kalo mota | Intermediate | 0 | Intermediate | 50 | Intermediate | Brown | 2 |
| Kalo moti | Non-glutinous | 0 | Intermediate | 98 | Soft | Blue | 2 |
| Kalo tulsi | Non-glutinous | 0 | Intermediate | 100 | Soft | Black | 1 |
| Kamath | Non-glutinous | 0 | Intermediate | 112 | Soft | Brown | 1 |
| Kamini | Non-glutinous | 2 | Intermediate | 40 | Hard | Blue | 2 |
| Kaminibhog | Non-glutinous | 2 | Intermediate | 105 | Soft | Blue | 2 |
| Kamini-sal | Non-glutinous | 2 | Intermediate | 85 | Soft | Blue | 0 |
| Kanakchur | Non-glutinous | 2 | Intermediate | 112 | Soft | Blue | 2 |
| Kankhiri | Non-glutinous | 0 | Intermediate | 55 | Intermediate | Brown | 1 |
| Kankhria | Non-glutinous | 0 | Intermediate | 75 | Soft | Blue | 1 |
| Kankri | Non-glutinous | 0 | Intermediate | 96 | Soft | Brown | 2 |
| Kankuria | Non-glutinous | 0 | Intermediate | 80 | Soft | Brown | 1 |
| Kanta jhinga-sal | Intermediate | 0 | Intermediate | 85 | Soft | Blue | 2 |
| Kanta rangi | Non-glutinous | 0 | Intermediate | 94 | Soft | Brown | 2 |
| Kanthali champa | Non-glutinous | 2 | Intermediate | 51 | Intermediate | Blue | 0 |
| Karni | Glutinous | 0 | Intermediate | 94 | Soft | Grey | 2 |
| Karpur kranti | Non-glutinous | 1 | Intermediate | 95 | Soft | Blue | 2 |
| Karpurtul | Non-glutinous | 2 | Intermediate | 58 | Intermediate | Blue | 0 |
| Kartike patnai | Intermediate | 0 | Intermediate | 86 | Soft | Blue | 1 |
| Kata raini | Intermediate | 2 | Intermediate | 80 | Soft | Orange | 2 |
| Kataribhog | Non-glutinous | 2 | Intermediate | 112 | Soft | Blue | 0 |
| Kati jungli | Non-glutinous | 0 | Intermediate | 116 | Soft | Brown | 2 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|-----------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Katki aush | Non-glutinous | 0 | Intermediate | 40 | Hard | Orange | 2 |
| Kaya | Non-glutinous | 0 | Intermediate | 108 | Soft | Brown | 2 |
| Kelas | Intermediate | 0 | Low | 5 | Hard | Brown | 2 |
| Keleh | Non-glutinous | 0 | Intermediate | 56 | Intermediate | Brown | 2 |
| Kendu manjia | Intermediate | 0 | Intermediate | 80 | Soft | Grey | 1 |
| Kerala sundari | Non-glutinous | 0 | Intermediate | 46 | Intermediate | Blue | 0 |
| Kermal | Intermediate | 0 | Low | 7 | Hard | Blue | 2 |
| Keshab-sal | Non-glutinous | 0 | Intermediate | 80 | Soft | Blue | 2 |
| Ketaki | Non-glutinous | 0 | Low | 104 | Soft | Brown | 2 |
| Kharisha bhog | Non-glutinous | 1 | Intermediate | 107 | Soft | Blue | 2 |
| Khas dhan | Non-glutinous | 1 | Intermediate | 108 | Soft | Blue | 0 |
| Khaskani | Non-glutinous | 2 | Intermediate | 104 | Soft | Blue | 0 |
| Khatia tika | Non-glutinous | 0 | Intermediate | 102 | Soft | Brown | 2 |
| Khejur chhari | Non-glutinous | 0 | Intermediate | 80 | Soft | Orange | 1 |
| Kholam kuchi | Non-glutinous | 0 | Intermediate | 71 | Soft | Orange | 2 |
| Khudi khasa | Non-glutinous | 2 | Intermediate | 116 | Soft | Blue | 0 |
| Kinari | Non-glutinous | 0 | Intermediate | 25 | Hard | Blue | 2 |
| Kodaliya | Non-glutinous | 0 | Intermediate | 46 | Intermediate | Blue | 1 |
| Kokila patnai | Intermediate | 0 | Intermediate | 98 | Soft | Brown | 1 |
| Koljam | Non-glutinous | 0 | Intermediate | 97 | Soft | Blue | 1 |
| Krishnabhog | Non-glutinous | 2 | Intermediate | 25 | Hard | Blue | 1 |
| Krishnamukhi | Non-glutinous | 2 | Intermediate | 70 | Soft | Blue | 2 |
| Kubja | Intermediate | 0 | Intermediate | 105 | Soft | Blue | 0 |
| Kuji patli | Non-glutinous | 0 | Low | 86 | Soft | Blue | 0 |
| Kumrogorh | Non-glutinous | 0 | Intermediate | 77 | Soft | Blue | 1 |
| Kutti ada | Intermediate | 0 | Intermediate | 120 | Soft | Blue | 1 |
| Lakkhan-sal | Non-glutinous | 1 | Low | 80 | Soft | Blue | 1 |
| Lakkhi churah | Non-glutinous | 0 | Intermediate | 45 | Intermediate | Blue | 2 |
| Lakkhi dighal | Intermediate | 0 | Intermediate | 85 | Soft | Pink | 2 |
| Lakshmi jata | Intermediate | 0 | Intermediate | 120 | Soft | Blue | 2 |
| Lakshmi kajal | Non-glutinous | 0 | Low | 95 | Soft | Blue | 2 |
| Lal aush | Non-glutinous | 0 | Intermediate | 86 | Soft | Pink | 1 |
| Lal badshabhog | Non-glutinous | 2 | Intermediate | 60 | Intermediate | Blue | 0 |
| Lal bahal | Non-glutinous | 0 | Intermediate | 116 | Soft | Blue | 1 |
| Lal boro | Non-glutinous | 0 | Intermediate | 15 | Hard | Blue | 2 |
| Lal getu | Intermediate | 0 | Intermediate | 77 | Soft | Pink | 2 |
| Lal gobindabhog | Intermediate | 2 | Intermediate | 85 | Soft | Blue | 0 |
| Lal jabra | Non-glutinous | 0 | Intermediate | 117 | Soft | Orange | 1 |
| Lal jhuloor | Intermediate | 0 | Intermediate | 60 | Intermediate | Blue | 2 |
| Lal kalam | Intermediate | 0 | Intermediate | 46 | Intermediate | Blue | 1 |
| Lal kamal | Non-glutinous | 0 | Intermediate | 108 | Soft | Grey | 2 |
| Lal kamini | Non-glutinous | 0 | Intermediate | 75 | Soft | Blue | 1 |
| Lal kashi phul | Intermediate | 0 | Intermediate | 85 | Soft | Orange | 2 |
| Lal patnai | Non-glutinous | 0 | Intermediate | 109 | Soft | Blue | 1 |
| Lal pua | Intermediate | 0 | Intermediate | 98 | Soft | Pink | 2 |
| Lal saroo | Non-glutinous | 0 | Intermediate | 80 | Soft | Blue | 2 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|---------------------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Lalos | Non-glutinous | 0 | Intermediate | 80 | Soft | Blue | 1 |
| Langal muda | Glutinous | 0 | Intermediate | 118 | Soft | Orange | 1 |
| Lata-sal | Intermediate | 0 | Intermediate | 50 | Intermediate | Blue | 2 |
| Lathi-sal | Glutinous | 0 | Intermediate | 5 | Hard | Blue | 2 |
| Lebu-sal | Non-glutinous | 0 | Intermediate | 5 | Hard | Blue | 1 |
| Leda-sal | Non-glutinous | 0 | Intermediate | 100 | Soft | Blue | 2 |
| Leta-sal | Glutinous | 0 | Intermediate | 70 | Soft | Pink | 1 |
| Lilabati | Non-glutinous | 2 | Intermediate | 70 | Soft | Blue | 1 |
| Loha gorah | Non-glutinous | 0 | Intermediate | 102 | Soft | Blue | 1 |
| Lohajangi | Non-glutinous | 0 | Low | 117 | Soft | Blue | 2 |
| Lugdhi-sal | Non-glutinous | 0 | Intermediate | 100 | Soft | Blue | 1 |
| Luli-sal | Non-glutinous | 0 | Intermediate | 115 | Soft | Violet | 2 |
| Maadu | Non-glutinous | 0 | Low | 95 | Soft | Blue | 2 |
| Madhumita | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 2 |
| Madhuri | Non-glutinous | 0 | Low | 100 | Soft | Blue | 1 |
| Madraraj | Intermediate | 0 | Intermediate | 20 | Hard | Pink | 2 |
| Magur-sal | Non-glutinous | 0 | Intermediate | 90 | Soft | Orange | 2 |
| Maiti | Intermediate | 0 | High | 20 | Hard | Blue | 2 |
| Majhi jhuloor | Non-glutinous | 0 | Low | 80 | Soft | Orange | 2 |
| Malabati (syn. Orametch) | Non-glutinous | 0 | Intermediate | 85 | Soft | Orange | 2 |
| Mallika | Glutinous | 0 | Low | 42 | Intermediate | Blue | 1 |
| Mallik-sal | Non-glutinous | 0 | Intermediate | 105 | Soft | Orange | 2 |
| Marich boot | Non-glutinous | 1 | High | 40 | Hard | Blue | 2 |
| Marich mukhi | Non-glutinous | 0 | Intermediate | 108 | Soft | Blue | 1 |
| Marich mukul | Non-glutinous | 2 | Intermediate | 62 | Soft | Blue | 2 |
| Marich-sal | Non-glutinous | 2 | Low | 82 | Soft | Blue | 1 |
| Masineh (syn. Kalo tudey) | Intermediate | 2 | Intermediate | 50 | Intermediate | Blue | 2 |
| Mati sara | Non-glutinous | 0 | Intermediate | 60 | Intermediate | Blue | 2 |
| Matla | Intermediate | 0 | Intermediate | 102 | Soft | Blue | 2 |
| Meghna | Non-glutinous | 0 | Intermediate | 115 | Soft | Blue | 0 |
| Meghnad-sal | Non-glutinous | 0 | Low | 82 | Soft | Blue | 0 |
| Megi | Intermediate | 0 | Intermediate | 72 | Soft | Brown | 2 |
| Mehdi | Intermediate | 0 | Low | 57 | Intermediate | Blue | 2 |
| Mendi | Intermediate | 0 | Intermediate | 65 | Soft | Brown | 2 |
| Mihi nagra | Non-glutinous | 0 | Intermediate | 108 | Soft | Orange | 2 |
| Mohanbhog | Non-glutinous | 2 | Intermediate | 80 | Soft | Blue | 2 |
| Mohanmala | Non-glutinous | 2 | Low | 77 | Soft | Blue | 0 |
| Mohanras | Non-glutinous | 0 | Intermediate | 110 | Soft | Black | 2 |
| Mohipal | Intermediate | 0 | High | 10 | Hard | Blue | 2 |
| Mota dhusuri | Non-glutinous | 0 | Intermediate | 65 | Soft | Orange | 2 |
| Moti | Non-glutinous | 0 | Intermediate | 97 | Soft | Blue | 2 |
| Moul | Non-glutinous | 0 | Intermediate | 67 | Soft | Blue | 2 |
| Moyna | Non-glutinous | 0 | Intermediate | 105 | Soft | Orange | 2 |
| Moynaguri | Intermediate | 0 | Intermediate | 108 | Soft | Blue | 1 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|--------------------------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Mugai | Non-glutinous | 0 | Low | 60 | Intermediate | Brown | 1 |
| Mugai-sal | Intermediate | 0 | Low | 90 | Soft | Orange | 2 |
| Mugi mansara | Glutinous | 0 | Low | 7 | Hard | Blue | 2 |
| Mukhi balam (syn. Murgi balam) | Intermediate | 0 | Intermediate | 85 | Soft | Orange | 2 |
| Murgi-sal | Intermediate | 0 | Low | 115 | Soft | Brown | 2 |
| Muri-sal | Non-glutinous | 0 | Intermediate | 106 | Soft | Blue | 2 |
| Nabanna-sal | Non-glutinous | 0 | Intermediate | 98 | Soft | Blue | 2 |
| Nagaland kalo | Glutinous | 0 | Intermediate | 15 | Hard | Blue | 1 |
| Nagaland sada | Glutinous | 0 | Low | 105 | Soft | Blue | 2 |
| Nageswari | Non-glutinous | 0 | Intermediate | 80 | Soft | Pink | 2 |
| Nagra | Non-glutinous | 0 | Intermediate | 25 | Hard | Blue | 0 |
| Nagra patnai | Non-glutinous | 0 | Intermediate | 116 | Soft | Blue | 1 |
| Nagra-sal | Glutinous | 0 | Intermediate | 50 | Intermediate | Grey | 1 |
| Najani | Intermediate | 0 | Intermediate | 58 | Intermediate | Blue | 1 |
| Najirma | Non-glutinous | 0 | Low | 42 | Intermediate | Blue | 2 |
| Narahasoi | Non-glutinous | 0 | Intermediate | 95 | Soft | Blue | 0 |
| Narasimha jata | Intermediate | 1 | Intermediate | 90 | Soft | Blue | 1 |
| Narkel chhari | Non-glutinous | 0 | Low | 40 | Hard | Blue | 1 |
| Nata | Non-glutinous | 0 | Intermediate | 70 | Soft | Pink | 1 |
| Neora | Non-glutinous | 0 | Low | 112 | Soft | Blue | 1 |
| Nicoh | Non-glutinous | 0 | Intermediate | 60 | Intermediate | Blue | 1 |
| Nikunja | Glutinous | 0 | Intermediate | 102 | Soft | Blue | 2 |
| Niroja | Non-glutinous | 0 | Intermediate | 20 | Hard | Pink | 2 |
| Noda mota | Non-glutinous | 0 | Low | 75 | Soft | Pink | 2 |
| Noichi | Non-glutinous | 0 | Intermediate | 95 | Soft | Brown | 2 |
| Nona | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 1 |
| Nona bokra | Non-glutinous | 0 | Low | 72 | Soft | Brown | 2 |
| Nona ketki | Non-glutinous | 0 | Intermediate | 116 | Soft | Blue | 1 |
| Nona khirish | Non-glutinous | 0 | Intermediate | 85 | Soft | Brown | 1 |
| Nona-sal | Intermediate | 0 | Intermediate | 82 | Soft | Pink | 1 |
| Olee | Non-glutinous | 2 | Intermediate | 70 | Soft | Blue | 2 |
| Orah | Non-glutinous | 0 | Intermediate | 68 | Soft | Orange | 1 |
| Paadu | Non-glutinous | 0 | Intermediate | 100 | Soft | Blue | 2 |
| Paan | Intermediate | 0 | Intermediate | 58 | Intermediate | Blue | 1 |
| Paari | Non-glutinous | 0 | Low | 70 | Soft | Blue | 1 |
| Padma-sal | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 1 |
| Pakri | Glutinous | 0 | Low | 10 | Hard | Blue | 0 |
| Palberi | Non-glutinous | 0 | Intermediate | 102 | Soft | Brown | 0 |
| Paloi | Non-glutinous | 0 | Intermediate | 88 | Soft | Orange | 2 |
| Paloi thopa | Non-glutinous | 2 | Low | 51 | Intermediate | Blue | 2 |
| Panati | Non-glutinous | 0 | Intermediate | 58 | Intermediate | Orange | 2 |
| Pani bhasa | Non-glutinous | 0 | Low | 110 | Soft | Orange | 1 |
| Pani duba | Glutinous | 0 | Low | 85 | Soft | Orange | 1 |
| Pani kalam | Non-glutinous | 0 | Intermediate | 82 | Soft | Orange | 2 |
| Pani kalas | Non-glutinous | 0 | Intermediate | 68 | Soft | Blue | 1 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|----------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Pani noli dhan | Non-glutinous | 0 | Intermediate | 95 | Soft | Orange | 1 |
| Panirui | Non-glutinous | 0 | Intermediate | 100 | Soft | Blue | 2 |
| Panjab-sal | Non-glutinous | 0 | Intermediate | 82 | Soft | Blue | 0 |
| Para dhan | Non-glutinous | 0 | Intermediate | 98 | Soft | Brown | 2 |
| Paramita | Non-glutinous | 0 | Intermediate | 111 | Soft | Blue | 1 |
| Parangi | Non-glutinous | 0 | Intermediate | 67 | Soft | Orange | 2 |
| Pari | Non-glutinous | 0 | Intermediate | 70 | Soft | Blue | 2 |
| Parmai-sal | Non-glutinous | 1 | Intermediate | 117 | Soft | Blue | 2 |
| Pateni | Non-glutinous | 0 | Intermediate | 64 | Soft | Blue | 1 |
| Patnai | Intermediate | 0 | Low | 110 | Soft | Blue | 2 |
| Patnai-22 | Intermediate | 0 | Intermediate | 102 | Soft | Blue | 1 |
| Payjam | Non-glutinous | 0 | Low | 115 | Soft | Blue | 0 |
| Phul mugri | Intermediate | 0 | Intermediate | 115 | Soft | Blue | 1 |
| Phul pakri | Non-glutinous | 0 | Low | 62 | Soft | Blue | 2 |
| Priya | Intermediate | 0 | Intermediate | 116 | Soft | Blue | 1 |
| Putikani | Non-glutinous | 0 | Intermediate | 82 | Soft | Brown | 2 |
| Radha kalma | Non-glutinous | 0 | Low | 86 | Soft | Orange | 2 |
| Radhashree | Intermediate | 1 | Intermediate | 60 | Intermediate | Blue | 1 |
| Radhatilak | Non-glutinous | 2 | Intermediate | 58 | Intermediate | Blue | 0 |
| Radhuni pagal | Non-glutinous | 2 | High | 99 | Soft | Blue | 2 |
| Raghu-sal | Intermediate | 0 | Intermediate | 82 | Soft | Orange | 2 |
| Raj jhinga | Non-glutinous | 0 | Low | 117 | Soft | Orange | 2 |
| Rajlakshmi | Non-glutinous | 0 | Intermediate | 72 | Soft | Blue | 1 |
| Rambok | Non-glutinous | 2 | Low | 90 | Soft | Blue | 1 |
| Ram-sal | Non-glutinous | 0 | Intermediate | 92 | Soft | Blue | 0 |
| Ranga dhari | Glutinous | 0 | Low | 45 | Intermediate | Pink | 2 |
| Rangi | Non-glutinous | 0 | Low | 40 | Hard | Blue | 2 |
| Rani akand | Non-glutinous | 0 | Intermediate | 85 | Soft | Blue | 2 |
| Rani kajal | Non-glutinous | 2 | Intermediate | 120 | Soft | Blue | 2 |
| Rani-51 | Non-glutinous | 0 | Intermediate | 82 | Soft | Blue | 2 |
| Rani-sal | Non-glutinous | 0 | Intermediate | 70 | Soft | Orange | 2 |
| Ras panjor | Non-glutinous | 0 | Low | 75 | Soft | Orange | 1 |
| Rasaraj | Intermediate | 0 | Intermediate | 88 | Soft | Blue | 2 |
| Rata-sal | Non-glutinous | 0 | Intermediate | 90 | Soft | Blue | 1 |
| Rati-sail | Non-glutinous | 0 | Intermediate | 66 | Soft | Blue | 1 |
| Ratul aush | Non-glutinous | 0 | Intermediate | 20 | Hard | Pink | 1 |
| Reda dhan | Intermediate | 0 | Intermediate | 81 | Soft | Blue | 1 |
| Roopsa | Non-glutinous | 0 | Intermediate | 90 | Soft | Brown | 2 |
| Rup-sal | Intermediate | 0 | Intermediate | 55 | Intermediate | Blue | 2 |
| Saban-sal | Intermediate | 0 | Intermediate | 2 | Hard | Pink | 1 |
| Sabita patnai | Non-glutinous | 0 | Intermediate | 58 | Intermediate | Blue | 1 |
| Sabraj | Non-glutinous | 0 | Intermediate | 105 | Soft | Brown | 2 |
| Sada dhan | Non-glutinous | 0 | Low | 114 | Soft | Blue | 2 |
| Sada dhula-sal | Non-glutinous | 0 | Intermediate | 110 | Soft | Blue | 2 |
| Sada getu | Intermediate | 0 | Intermediate | 105 | Soft | Blue | 2 |
| Sada jabra | Intermediate | 0 | Low | 116 | Soft | Grey | 2 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|-----------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Sada jhinga-sal | Intermediate | 0 | Intermediate | 105 | Soft | Blue | 2 |
| Sada jhuloor | Glutinous | 0 | Low | 20 | Hard | Blue | 2 |
| Sada kaya | Intermediate | 0 | Intermediate | 5 | Hard | Pink | 2 |
| Sada meteh | Intermediate | 0 | Low | 108 | Soft | Orange | 2 |
| Sada mota | Glutinous | 0 | Intermediate | 85 | Soft | Pink | 0 |
| Sada nuniya | Non-glutinous | 2 | Intermediate | 40 | Hard | Blue | 0 |
| Sada parmai-sal | Intermediate | 0 | Intermediate | 105 | Soft | Pink | 2 |
| Sada patnai | Intermediate | 0 | Intermediate | 102 | Soft | Blue | 2 |
| Sagarika | Glutinous | 0 | Intermediate | 95 | Soft | Blue | 2 |
| Samudra phen | Glutinous | 0 | Intermediate | 62 | Soft | Blue | 1 |
| Saroo ausha | Intermediate | 0 | Intermediate | 62 | Soft | Blue | 2 |
| Saroo gurguri | Intermediate | 0 | Low | 95 | Soft | Blue | 1 |
| Saroo nagra | Intermediate | 0 | High | 60 | Intermediate | Pink | 2 |
| Sateen | Non-glutinous | 0 | Intermediate | 90 | Soft | Blue | 0 |
| Sesh phal | Non-glutinous | 0 | Low | 101 | Soft | Brown | 2 |
| Shakti | Non-glutinous | 0 | Low | 108 | Soft | Pink | 1 |
| Shal keleh | Non-glutinous | 0 | Low | 85 | Soft | Pink | 2 |
| Shankari komal | Non-glutinous | 0 | Intermediate | 107 | Soft | Blue | 1 |
| Shati | Non-glutinous | 0 | Intermediate | 87 | Soft | Pink | 2 |
| Shati jeleh | Non-glutinous | 0 | Intermediate | 62 | Soft | Pink | 1 |
| Shatia | Non-glutinous | 0 | Intermediate | 82 | Soft | Blue | 1 |
| Shatia gorah | Non-glutinous | 0 | Intermediate | 80 | Soft | Orange | 2 |
| Shishaphal | Non-glutinous | 0 | Intermediate | 68 | Soft | Brown | 1 |
| Shiuli | Non-glutinous | 0 | Intermediate | 92 | Soft | Blue | 1 |
| Shiuli mukul | Non-glutinous | 2 | Intermediate | 58 | Intermediate | Blue | 2 |
| Shiyal raj | Non-glutinous | 0 | Intermediate | 72 | Soft | Blue | 2 |
| Sholeh | Non-glutinous | 0 | Intermediate | 115 | Soft | Blue | 2 |
| Sholpana | Intermediate | 0 | Low | 110 | Soft | Orange | 2 |
| Shotput | Intermediate | 0 | Intermediate | 108 | Soft | Grey | 1 |
| Shua kalma | Non-glutinous | 0 | Low | 105 | Soft | Orange | 1 |
| Shungo baran | Intermediate | 0 | Low | 92 | Soft | Blue | 2 |
| Silot | Intermediate | 0 | Intermediate | 28 | Hard | Blue | 2 |
| Sindoor-sal | Glutinous | 0 | Low | 12 | Hard | Blue | 2 |
| Sitabhog | Non-glutinous | 0 | Intermediate | 50 | Intermediate | Blue | 1 |
| Sita-sal | Glutinous | 0 | Intermediate | 90 | Soft | Blue | 2 |
| Soleri | Intermediate | 1 | Low | 50 | Intermediate | Blue | 0 |
| Sona dhusuri | Glutinous | 0 | Intermediate | 50 | Intermediate | Blue | 2 |
| Sonajhuli | Glutinous | 0 | Intermediate | 115 | Soft | Blue | 2 |
| Sopti | Glutinous | 0 | Intermediate | 7 | Hard | Pink | 2 |
| Srabanti-sal | Non-glutinous | 0 | Low | 71 | Soft | Brown | 2 |
| Subal-sal | Glutinous | 0 | Low | 60 | Intermediate | Blue | 0 |
| Subasita | Intermediate | 2 | Intermediate | 79 | Soft | Blue | 0 |
| Sumitra | Non-glutinous | 0 | High | 95 | Soft | Blue | 2 |
| Sundar mukhi | Non-glutinous | 0 | Intermediate | 52 | Intermediate | Pink | 2 |
| Sundari | Non-glutinous | 2 | Intermediate | 2 | Hard | Blue | 2 |
| Swarnakanti | Non-glutinous | 2 | Intermediate | 102 | Soft | Blue | 0 |

| Landrace name | Endosperm Type | Aroma | Alkali Digestion | Gel: Mean Distance (mm) | Gel Consistency | Gel Colour | Phenol Reaction |
|---------------|----------------|-------|------------------|-------------------------|-----------------|------------|-----------------|
| Talmugur | Intermediate | 0 | Intermediate | 118 | Soft | Brown | 2 |
| Tengra-sal | Non-glutinous | 0 | Intermediate | 70 | Soft | Blue | 2 |
| Thakur-sal | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 2 |
| Thuba | Non-glutinous | 0 | Intermediate | 72 | Soft | Blue | 2 |
| Tikarnadi | Non-glutinous | 0 | Intermediate | 62 | Soft | Blue | 2 |
| Tikia patnai | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 2 |
| Tilak kacheri | Non-glutinous | 0 | Low | 110 | Soft | Blue | 1 |
| Tilakpeti | Non-glutinous | 0 | Intermediate | 114 | Soft | Blue | 2 |
| Titabor | Non-glutinous | 0 | Intermediate | 108 | Soft | Blue | 1 |
| Tulai panji | Non-glutinous | 2 | Intermediate | 102 | Soft | Blue | 0 |
| Tulo pajoy | Non-glutinous | 0 | Intermediate | 112 | Soft | Blue | 1 |
| Tulsi manjari | Non-glutinous | 2 | Intermediate | 115 | Soft | Blue | 1 |
| Tulsi mukul | Non-glutinous | 2 | Intermediate | 115 | Soft | Blue | 1 |
| Tulsibhog-B | Non-glutinous | 1 | Intermediate | 60 | Intermediate | Blue | 0 |
| Tulsibhog-N | Non-glutinous | 2 | Intermediate | 80 | Soft | Blue | 2 |
| Yesem | Intermediate | 0 | Intermediate | 40 | Hard | Blue | 1 |

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Conflict of Interest

Authors declare no conflict of interest.

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