

Sr. No.	Botanical name	National identity	Donor identity	INGR No	Year	Pedigree	Novel unique features
1	Saccharum sp.	IC651997	GU 12-21	INGR24 049	2024	GU 04 28 EO-2 X Co 06027	Broad spectrum resistance to red rot disease (Cf 671 and more virulent Cf671 + C9401). Winter sprouting potential (WSI= 7.2)
2	Saccharum sp.	IC651998	GU 12-19	INGR24 050	2024	GU 04 28 EO-2 X Co 06027	High winter sprouting potential (WSI =10.6). Broad spectrum resistance to red rot disease (R to Cf06 pathotype and MR to Cf06 +Cf12 mixed pathotype)
3	Saccharum sp.	IC651999	Co 12014	INGR24 051	2024	Co 97007 x Co 775	Red rot resistance (MR). Smut resistance (MR). Yellow leaf disease resistance (MR)
4	Saccharum sp.	IC646869	Co 85019	INGR22 183	2022	Co 7201 x Co 775	High cane and sugar yield (14.50 t/ha) under tillering phase drought stress
5	Saccharum sp.	IC646870	Co 98017	INGR22 184	2022	Co 8316 x Co 8213	High millable canes 74.68 (000/ha) and cane yield under tillering phase drought.
6	Saccharum sp.	IC646871	Co 17008	INGR22 185	2022	Co 0240 X Co 0214	High cane thickness (3.00 cm).
7	Saccharum sp.	IC646872	Co 15002	INGR22 186	2022	1148-S4-242-4 x Co 94008, Co 99006, Co 8371 and Co 06027	Potential source for red rot resistance combined with smut resistance and yellow leaf disease resistance. A high yielding genotypes can be used in the sugarcane improvement without any further back crossing. Developed from a rare fifth generation inbred.
8	Saccharum sp.	IC636676	SBI/2020/G U 07-2276/266	INGR21 067	2021	GU 04 (50) RE-9 X CoH 70	High cane yield (89.66 t/ha) under drought condition. Lowest reduction for single cane weight under drought. High Nitrogen (77.92 kg of dry biomass/kg of nitrogen))
9	Saccharum sp.	IC638608	Co 13003	INGR21 068	2021	Co 86011 x CoT 8201	High fibre (15.05%) in cane combining high sucrose (19.77%) content of commercial level.
10	Saccharum sp.	IC635051	Co 13001	INGR20 068	2020	Co 740 x CoT 8201	High sucrose at 240 days. Short duration clone (Maturing @ 240 days). Sucrose % 19.40.
11	Saccharum sp.	IC635052	Co 14016	INGR20 069	2020	Co 86032 X Co 86011	High cane population (number of millable canes 1,07,670/ha). Donor for ratoonability.
12	Saccharum officinarum	IC635053	AS 04-2097	INGR20 070	2020	Co 8371 x SH 216	Drought tolerance. Interspecific hybrid with broadened genetic base.
13	Saccharum sp.	IC635054	CYM 08-922	INGR20 071	2020	CYM 07-971 X CoC 671	Potential pre-bred material for drought tolerance.
14	Saccharum officinarum	IC636675	AS 04-1687	INGR20 110	2020	BO 102 x IND 84-337	Drought tolerance. Water logging tolerance.
15	Saccharum sp.	IC636674	BM 1010-168	INGR20 111	2020	Co 98010 x (Co 1148 x SES 404)	Drought tolerance. High relative water content under drought.
16	Erianthus arundinaceus	IC636673	SBIEC 14006	INGR20 112	2020	IK 76-75 GC (Open pollination)	High harvestable biomass.High fibre content.
17	Saccharum Spp hybrid	IC0612055	IG 91-1100	INGR15 031	2015	CoC 772 x Erianthus Polycross	For good seed setting
18	Erianthus x Saccharum hybrid	IC0612056	GU 04 (28) EO-2	INGR15 032	2015	IND 90-776 (Erianthus procerus) x PIO 96-435 (Improved S. officinarum)	Regular flowerer with pollen fertility of 5.5% to be used as female parent in introgression
19	Saccharum robustum x Erianthus hybrid	IC0612058	GU 04 (50)RE-16	INGR15 033	2015	PIR 00-1100 (Saccharum robustum) x IK 76-91 (Erianthus arundinaceus)	Regular flowerer with good seed set (128 seedlings)
20	Saccharum x Sorghum hybrid	IC0612060	GU 08 SSH-66	INGR15 034	2015	Co 0238 x SOS 250	For high early sugar accumulation
21	Saccharum Spp. hybrid	IC0612061	99 WL-379	INGR15 035	2015	Co 7313 x Co 96011	For high juice quality under water logged condition
22	Saccharum spp. hybrid	IC0598475	SBI 2007-291	INGR14 011	2014	CoSnk 03-044 x Co 86002	For early high sucrose.
23	Saccharum sp.	IC0594482	CYM 08-903	INGR13 019	2013	[IK 76-62 x Irityy-2] Co775 x CoC 671	Sugarcane hybrid with cytoplasm from wild Erianthus arundinaceus, a good parent giving high red rot resistant progeny in cross with sugarcane varieties.
24	Erianthus x Saccharum Hybrid	IC0594464	SBIEC 11004	INGR13 050	2013	IK 76-92 x 98 NI 1405	High fibre content: 30.21%.
25	Saccharum. spp. hybrid	IC0598218	SBI 1148-11-13-2-225	INGR13 071	2013	Self at fourth generation of Co 1148	Possessing high sucrose and red rot resistance in addition to the other agronomic traits of Co 1148.
26	Erianthus arundinaceus	IC0561900	SES 159	INGR13 070	2013	NA	High biomass, high yield, high NMC and C.O.D., amenability for in vitro.
27	Erianthus X Saccharum sp hybrid	IC0594462	SBIEC 11001	INGR12 016	2012	IK 76-92 x 98 NI 1405	High biomass production: Total harvestable biomass of 279.01 t/ha dry biomass of 101.23 t/ha
28	Saccharum sp	IC0594463	SBIEC 11002	INGR12 017	2012	Co 1148 x SES 404	Dual purpose energy cane combining, high fibre content 22.58% with high juice hrix content (15.92%). High biomass potential: Total harvestable biomass of 247.53 t/ha and dry biomass of 85.23 t/ha
29	Saccharum sp	IC0594465	Co 0230	INGR12 018	2012	CoLK 8102 x Co 775	Good ratooner. In ratoon crop the clone recorded 68.46 t/ha which is 16.55% improvement over local variety CoSe 95422. Additional trait-waterlogging tolerant: Retains the green canopy even after one month water logging. Ratoon yield 151.24 t/ha
30	Saccharum spp. hybrid	IC565018	Co 97016	INGR09 052	2009	ISH-63 x Co 8209ISH-63:Co740 x (CP 43-47 x S.robustum clone 57NG80)	High cane yield and sugar yield and tolerance to water-logging, salinity and drought
31	Saccharum spp. hybrid	IC565019	SCGS 00-0402	INGR09 053	2009	Co 86002 x Co 62198	High levels of juice sucrose at 240 days of crop age

32	Saccharum spp. hybrid	IC565020	Co 1020	INGR09 130	2009	Co 89003 GC	Rare commercial hybrid with high juice quality early in the season (in 240 days) and high sugar recovery
33	Saccharum spp. hybrid	IC565021	Co 91002	INGR09 131	2009	CoC 671 x Co 62198	High quality clone with good sugar accumulation (300 days of age, AVT) for both peninsular and East coast regions, with resistance to smut and drought
34	Saccharum sp.	IC556971	CYM 04- 420	INGR08 039	2008	IK 76-62 x Irrity-2	Inter-generic hybrid with Erianthus cytoplasm
35	Saccharum sp.	IC556972	Co 92002	INGR08 040	2008	Co 7717 x CoC 671 x (57NG110 x S. robustum)	Rare recombinant involving Saccharum robustum
36	Saccharum spp.	IC522951	Co 93009	INGR08 041	2008	Co 678 x Co 775	Clone combining high cane yield & red rot resistance
37	Saccharum spp.	IC556976	Co 99006	INGR08 042	2008	[{BO 91 x Co 62175} x Co 775]	High sucrose (20.41%), broad leaves & fan shaped canopy
38	Saccharum x Sorghum hybrid	IC522943	SSH-1	INGR05 021	2005	ICSA56 (Sorghum) x IJ76316 (Saccharum officinarum)	Hybrid between Saccharum x Sorghum