

Sr. No.	Crop	Botainical name	National identity	Donor identity	INGR No.	Year	Novel unique features
1	Rice	Oryza sativa	IC635695	ShB-1/ SB-5	INGR20080	2020	Highly tolerant to sheath blight. Medium slender grain type. Possessing genetic background of elite cultivar Samba Mahsuri.
2	Rice	Oryza sativa	IC635696	SC-11/ SP70/ TI-26/ SB-8	INGR20079	2020	Higher culm strength in elite genetic background of Samba Mahsuri.
3	Rice	Oryza sativa	IC0599273	GQ-25	INGR20001	2020	High temperature tolerance.
4	Rice	Oryza sativa	IC635010	IET23814 (RPBIO5478-185M)	INGR20003	2020	High zinc in grains. Purple leaves. Purple panicles.
5	Rice	Oryza sativa	IC632075	RP Bio 4918-230S	INGR19041	2019	Novel donor for resistance to Brown planthopper (BPH) Nilaparvata lugens . Possesses high resistance at vegetative and reproductive stages. Present in the elite genetic background of popular commercial variety Swarna.
6	Rice	Oryza sativa	IC632599	NH162 (RP Bio 5477- NH162)	INGR19040	2019	Drought tolerant, gives higher yield than Nagina22 in normal, drought and aerobic conditions. Functionally stay green with dark green leaves, drought tolerant, higher yielder in aerobic condition. Seed hull dark and seed type slender.
7	Rice	Oryza sativa	IC632074	NH219 (RP Bio 5477- NH219)	INGR19039	2019	Mutant NH219 gives higher yield than Nagina22 in normal and high temperature conditions. Dark green leaves, drought tolerant.
8	Rice	Oryza sativa	IC632071	RP5972-13-1-6-67- 129-266	INGR19036	2019	Tolerant to low soil Phosphorous condition. Present in the background of MTU1010 with about 95.2% background recovery of the recurrent parent genome and yields more than MTU1010.
9	Rice	Oryza sativa	IC628571	RP 5316-RIL-243	INGR19003	2019	Potential donor for resistance to planthoppers (Brown planthoppers and Whitebacked planthoppers) in rice. Exhibits resistance during vegetative and reproductive stages of crop growth
10	Rice	Oryza sativa	IC626284	NH686 (RP Bio 5477- NH686)	INGR18003	2018	NH686 tolerant to low P condition. Dark green leaves and grain yield of NH686 was 6 fold more than N22 under low P condition. Early duration, broad leaves and medium bold grains
11	Rice	Oryza sativa × O. nivara	IC626001	RP Bio 4918-228S	INGR18002	2018	Novel donor for resistance to brown planthopper (BPH) Nilaparvata lugens in rice. Possesses high resistance in vegetative and reproductive stages. Present in the elite background of popular commercial variety Swarna (MTU 7029).
12	Rice	Oryza sativa	IC626002	RP Bio Patho-2	INGR18001	2018	Broad-spectrum resistance for leaf blast (Pi-54) and bacterial blight (Xa21 & xa13). Present in the elite genetic background of Improved Samba Mahsuri and 94.9% recurrent parent genome recovery. Moderate resistance for Neck blast, Sheath blight, Sheath rot and Brown spot besides blast resistance

13	Rice	Oryza sativa	IC619226	RP 5449-RIL-320	INGR17066	2017	Novel dual donor for resistance to both Brown Plant Hoppers (BPH) and White Backed Plant Hoppers (WBPH) in rice. Possesses resistance at vegetative and reproductive stages
14	Rice	Oryza sativa	IC0617119	RP 5448-RIL-501	INGR16001	2016	Novel dual donor for resistance to both Brown planthopper (BPH) and Whitebacked planthopper (WBPH) in rice. Possesses resistance at vegetative and reproductive stages
15	Rice	Oryza sativa	IC0611702	NMSM-1; DRR-BL-31; DRR-BL-31-1; DRR-BL-31-2	INGR15002	2015	For resistance to leaf and neck blast.
16	Rice	Oryza sativa	IC0611701	NMSM-2; DRR-BL-150; DRR-BL-150-2; DRR-BL-150/1; DRR-BL-150/2	INGR15001	2015	For resistance to leaf and neck blast.
17	Rice	Oryza sativa	IC0594593	RPMRE 6	INGR13073	2013	Broad spectrum gall midge resistance, multiple resistance to GM+BPH+WBPH
18	Rice	Oryza sativa	IC569495	RPHR-1096	INGR09086	2009	Broad spectrum of fertility restoration and easily observable morphological market purple basal leaf sheath and purple apiculus, high rate of pollen production, slow leaf senescence and high head rice recovery, tall stature and intermediate plant type wit
19	Rice	Oryza sativa	IC569494	RPHR-1005	INGR09085	2009	Broad spectrum of fertility restoration and with good plant type, high rate of pollen production and good combining ability. BP/T5204 derivative with short slender grain, lower panicle position and prominent top leaves
20	Rice	Oryza sativa	IC569493	RPHR-619	INGR09084	2009	Strong and broad spectrum of fertility restoration; tall stature, intermediate plant type with synchronous tillering, high pollen load and slow leaf senescence with medium maturity
21	Rice	Oryza sativa	IC569492	RPHR-517	INGR09083	2009	Broad spectrum of fertility restoration and with good plant type, high rate of pollen production with medium slender grain type, tall stature with high heterotic potential and late maturity duration
22	Rice	Oryza sativa	IC569491	RPHR-12	INGR09082	2009	Strong and broad spectrum of restoration, tropical japonicaplant type with sturdy clum, dark green and thick leaves with latesenescence, high pollen load, long and heavy panicles and prolonged grain filling period
23	Rice	Oryza sativa	IC569490	RPHR-2	INGR09081	2009	Japonica plant type with long and heavy panicles and dark green thick leaves, strong and broad spectrum of fertility restoration with medium slender grain type and high head rice recovery; high pollen load and 36-45 days of grain filling period

24	Rice	Oryza sativa	IC569488 & IC569489	DRR 10 A & 10B	INGR09080	2009	CMS with higher rate of stigma exertion, higher out crossing ability of A line, medium maturity group with semi dwarf plant type, medium slender grain type with good tillering ability
25	Rice	Oryza sativa	IC569486 & IC569487	DRR 9A & 9B	INGR09079	2009	CMS with medium maturity group and higher rate of stigma exertion, higher rate of out crossing in A line plants with semi dwarf stature, high head rice recovery and intermediate amylose content
26	Rice	Oryza sativa	IC569484 & IC569485	DRR 5A & 5B	INGR09078	2009	CMS, medium maturity, high rate of stigma exertion in A and B lines, medium slender grain high, head rice recovery, higher rate of out crossing in A line and good tillering capacity
27	Rice	Oryza sativa	IC569482 & IC569483	DRR 4A & 4B	INGR09077	2009	CMS with higher rate of stigma exertion, male sterile grain type and high head rice recovery, semi dwarf stature
28	Rice	Oryza sativa	IC569653	RP4642-669(RPMRE-5)	INGR09076	2009	Multiple resistance to gall midge, brown plant hopper white backed plant hopper and green leaf hopper
29	Rice	Oryza sativa	IC569652	RP4639-110(RPMRE-4)	INGR09075	2009	Broad spectrum gall midge resistance
30	Rice	Oryza sativa	IC569651	RP4621-1845(RPMRE-3)	INGR09074	2009	Multiple resistance to gall midge, brown plant hopper white backed plant hopper and green leaf hopper
31	Rice	Oryza sativa	IC569650	RP4621-1842(RPMRE-2)	INGR09073	2009	Multiple resistance to gall midge, brown plant hopper white backed plant hopper and green leaf hopper
32	Rice	Oryza sativa	IC569649	RP4518-2-6(REMRE1)	INGR09072	2009	Resistant to gall midge and brown plant hopper
33	Rice	Oryza sativa	IC569481	Culture No. IET 9691	INGR09071	2009	High phosphorous efficiency, mid-early duration and tolerance to phosphorous deficient soils
34	Rice	Oryza sativa	IC569676	RPBio-189 (IET 19045)	INGR09070	2009	Resistant to BB possessing Xa21, xa13 & xa5 genes, with excellent grain and cooking quality with very low water uptake during cooking; medium duration culture possessing medium slender grains
35	Rice	Oryza sativa	IC567518	Aganni	INGR09004	2009	Resistant to Rice gall midge biotype 1,2,3,4 & 4M
36	Rice	Oryza sativa	IC567517	INRC 202	INGR09003	2009	Resistant to Rice gall midge biotype 1,2,3,4 & 4M
37	Rice	Oryza sativa	IC567516	INRC3021	INGR09002	2009	Resistant to Rice gall midge biotype 1,2,3,4 & 4M
38	Rice	Oryza sativa	IC567515	ARC 15831	INGR09001	2009	Resistant to Rice gall midge biotype 1,2,3,4 & 4M
39	Rice	Oryza sativa	IC296643	RP-3135-97-1-11-5	INGR04002	2004	Semi- dwarf basmati
40	Rice	Oryza sativa	IC296580 (IC296581)	DMS- 3A (RPMS4), DMS -3B	INGR03049	2003	CMS from Oryza nivara
41	Rice	Oryza sativa	IC296572 (IC296579)	DMS -4A (RPMS1-4), DMS-4B	INGR03048	2003	CMS from Oryza rufipogon
42	Rice	Oryza sativa	IC296533 (IC296541)	DRR-3A & 3B	INGR03030	2003	CMS in different genetic back ground
43	Rice	Oryza sativa	IC296532 (IC296540)	DRR-2A & 2 B	INGR03039	2003	CMS in different genetic back ground