Phenotype Data Dictionary

FIELD NAME	FIELD DESCRIPTION	VALID VALUE	VALUE DESCRIPTION
accno	IRGC Accession number		
anco	Anther color		
anlt_1	Anther length 1 (mm) - wild		
anlt_2	Anther length 2 (mm) - wild		
anlt_3	Anther length 3 (mm) - wild		
anlt_4	Anther length 4 (mm) - wild		
anlt_5	Anther length 5 (mm) - wild		
apanth_repro	Lemma_Anthocyanin colouration of area below apiculus		
apco_rev_post	Lemma - Color of apiculus (Late observation)	010	White
		020	Straw
		052	Brown (tawny)
		060	Green
		070	Red
		071	Red apex
		080	Purple
		087	Purple apex
		100	Black
apco_rev_repro	Lemma - Color of apiculus (Early observation)	010	White
		020	Straw
		052	Brown (tawny)
		060	Green
		070	Red
		071	Red apex
		080	Purple
		087	Purple apex
		100	Black
apsh	**Lemma shape of apiculus**	1	Pointed
		2	Curved
auco_rev_veg	Leaf auricle color	000	Absent
		011	Whitish
		062	Yellowish green
		080	Purple
		081	Light purple
		084	Purple lines
awco_lrev	Awn color (Late observation)	000	Absent
		020	Straw
		040	Gold
		052	Brown (tawny)
		070	Red
		080	Purple
		100	Black
awco_rev	Awn color (Early observation)	000	Absent
		011	Whitish

		020	Straw
		040	Gold
		052	Brown (tawny)
		061	Light green
		070	Red
		080	Purple
		100	Black
awdist	Distribution of awns	0	Absent
		1	Tip only
		2	Upper quarter only
		3	Upper half only
		4	Upper three quarters only
		5	Whole length
awlt_anth_1	Awn length 1 (mm) at anthesis - wild		
awlt_anth_10	Awn length 10 (mm) at anthesis - wild		
awlt_anth_2	Awn length 2 (mm) at anthesis - wild		
awlt_anth_3	Awn length 3 (mm) at anthesis - wild		
awlt_anth_4	Awn length 4 (mm) at anthesis - wild		
awlt_anth_5	Awn length 5 (mm) at anthesis - wild		
awlt_anth_6	Awn length 6 (mm) at anthesis - wild		
awlt_anth_7	Awn length 7 (mm) at anthesis - wild		
awlt_anth_8	Awn length 8 (mm) at anthesis - wild		
awlt_anth_9	Awn length 9 (mm) at anthesis - wild		
awlt_post_1	Awn length 1 (mm) at post-harvest - wild		
awlt_post_10	Awn length 10 (mm) at post-harvest - wild		
awlt_post_2	Awn length 2 (mm) at post-harvest - wild		
awlt_post_3	Awn length 3 (mm) at post-harvest - wild		
awlt_post_4	Awn length 4 (mm) at post-harvest - wild		
awlt_post_5	Awn length 5 (mm) at post-harvest - wild		
awlt_post_6	Awn length 6 (mm) at post-harvest - wild		
awlt_post_7	Awn length 7 (mm) at post-harvest - wild		
awlt_post_8	Awn length 8 (mm) at post-harvest - wild		
awlt_post_9	Awn length 9 (mm) at post-harvest - wild		
awpr_repro	Awn presence	0	Absent
		1	Partly awned
		2	Fully awned
awth_1	Awn thickness 1- wild		
awth_10	Awn thickness 10- wild		
awth_2	Awn thickness 2- wild		
awth_3	Awn thickness 3- wild		
awth_4	Awn thickness 4- wild		
awth_5	Awn thickness 5- wild		
awth_6	Awn thickness 6- wild		
awth_7	Awn thickness 7- wild		
awth_8	Awn thickness 8- wild		
awth_9	Awn thickness 9- wild		
blanthdi_veg	Leaf blade distribution of anthocyanin coloration	080	Purple
		085	Purple margins
		086	Purple tips
		089	Purple blotch
blanthpr_veg	Leaf blade anthocyanin coloration	0	Absent

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		1	Present
blco_rev_veg	Leaf blade intensity of green color	000	Absent
		060	Green
		061	Light green
		063	Dark green
blpub_veg	Leaf of blade pubescence on blade surface	1	Glabrous
		2	Intermediate
		3	Pubescent
blsco_anth_veg	Leaf sheath anthocyanin coloration	0	Absent
		3	Weak
		5	Medium
		7	Strong
blsco_rev_veg	Basal leafsheath color	060	Green
		080	Purple
		081	Light purple
		084	Purple lines
cco_rev_veg	Leaf collar color	000	Absent
		060	Green
		061	Light green
		080	Purple
		084	Purple lines
cropyear	Cropyear		
cropyear	Cropyear		
cuan_repro	Culm habit	1	Erect (<15°)
		3	Semi-erect (Intermediate ~20°)
		5	Open (~40°)
		7	Spreading (>60° - 80°, culms not resting on the grounds)
		9	Procumbent (culms or its lower parts resting on the ground)
cudi_repro_1	Culm diameter at basal internode 1		
cudi_repro_2	Culm diameter at basal internode 2		
cudi_repro_3	Culm diameter at basal internode 3		
cudi_repro_4	Culm diameter at basal internode 4		
cudi_repro_5	Culm diameter at basal internode 5		
cuknee_repro	Culm kneeing ability for floating rice only	0	Absent
		1	Present
cult_repro_1	Culm length 1		Culm length (excluding panicle excluding floating rice) cm.
cult_repro_2	Culm length 2		
cult_repro_3	Culm length 3		
cult_repro_4	Culm length 4		
cult_repro_5	Culm length 5		
cuno_repro_1	Culm number 1		
cuno_repro_2	Culm number 2		
cuno_repro_3	Culm number 3		
cuno_repro_4	Culm number 4		
cuno_repro_5	Culm number 5		
cust_harv	Culm lodging resistance (culm strength)	1	Very weak
		3	Weak
		5	Intermediate
		7	Strong
		9	Very strong

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cust_repro	Culm lodging resistance	1	Very weak (all plants flat)
		3	Weak (most plants nearly flat)
		5	Intermediate (most plants moderately lodged)
		7	Strong (most plants leaning)
		9	Very strong (no lodging)
date_head_1stflow	Date heading at first flowering (yyyymmdd)		
date_head_80	Date heading at 80% fully headed (yyyymmdd)		
date_seed	Date Seeded		
dist_7daa_1	Distance (mm) panicle to spikelet at 7 DAA - 1		
dist_7daa_2	Distance (mm) panicle to spikelet at 7 DAA - 2		
dist_7daa_3	Distance (mm) panicle to spikelet at 7 DAA - 3		
dist_7daa_4	Distance (mm) panicle to spikelet at 7 DAA - 4		
dist_7daa_5	Distance (mm) panicle to spikelet at 7 DAA - 5		
endo	Endosperm type	1	Non-glutinous (non waxy)
		2	Intermediate
		3	Glutinous (waxy)
fla_erepro	Flagleaf (attitude of blade) - Early observation		
fla_repro	Flagleaf (attitude of blade) - Late observation	1	Erect
		3	Semi-erect
		5	Horizontal
		7	Descending
fllt_1	Flagleaf length 1 (cm)		
fllt_2	Flagleaf length 2 (cm)		
fllt_3	Flagleaf length 3 (cm)		
fllt_4	Flagleaf length 4 (cm)		
fllt_5	Flagleaf length 5 (cm)		
fllt_7daa_1	Flag leaf length (cm) at 7 DAA 1		
fllt_7daa_2	Flag leaf length (cm) at 7 DAA 2		
fllt_7daa_3	Flag leaf length (cm) at 7 DAA 3		
fllt_7daa_4	Flag leaf length (cm) at 7 DAA 4		
fllt_7daa_5	Flag leaf length (cm) at 7 DAA 5		
flwd_1	Flagleaf width 1 (cm)		
flwd_2	Flagleaf width 2 (cm)		
flwd_3	Flagleaf width 3 (cm)		
flwd_4	Flagleaf width 4 (cm)		
flwd_5	Flagleaf width 5 (cm)		
flwdt_7daa_1	Flag leaf width (mm) at 7 DAA 1		
flwdt_7daa_2	Flag leaf width (mm) at 7 DAA 2		
flwdt_7daa_3	Flag leaf width (mm) at 7 DAA 3		
flwdt_7daa_4	Flag leaf width (mm) at 7 DAA 4		
flwdt_7daa_5	Flag leaf width (mm) at 7 DAA 1		
grlt_1	Grain length 1 (mm)		
grlt_10	Grain length 10 (mm)		
grlt_2	Grain length 2 (mm)		
grlt_3	Grain length 3 (mm)		
grlt_4	Grain length 4 (mm)		
grlt_5	Grain length 5 (mm)		
grlt_6	Grain length 6 (mm)		
grlt_7	Grain length 7 (mm)		
grlt_8	Grain length 8 (mm)		
grlt_9	Grain length 9 (mm)		
grth_1	Grain thickness (mm) 1		

grth_10	Grain thickness (mm) 10		
grth_2	Grain thickness (mm) 2		
grth_3	Grain thickness (mm) 3		
grth_4	Grain thickness (mm) 4		
grth_5	Grain thickness (mm) 5		
grth_6	Grain thickness (mm) 6		
grth_7	Grain thickness (mm) 7		
grth_8	Grain thickness (mm) 8		
grth_9	Grain thickness (mm) 9		
grwd_1	Grain width 1 (mm)		
grwd_10	Grain width 10 (mm)		
grwd_2	Grain width 2 (mm)		
grwd_3	Grain width 3 (mm)		
grwd_4	Grain width 4 (mm)		
grwd_5	Grain width 5 (mm)		
grwd_6	Grain width 6 (mm)		
grwd_7	Grain width 7(mm)		
grwd_8	Grain width 8(mm)		
grwd_9	Grain width 9 (mm)		
grwt10	10-grain weight (gm) - wild		
grwt10_temp			
grwt100	100 Grain weight (g)		
hdg_1stflow	Heading (days from seeding to 1st flowering) -wild		
hdg_80head	Number of days at 80% fully headed		
heterogen	Heterogeneity of sample - wild		
inanth	Culm internode anthocyanin color	000	Absent
		080	Purple
		084	Purple lines
inco_rev_repro	Culm underlying internode color	000	Absent
		041	Light gold
		060	Green
l_liglt2nd_anth_1	Leaf length of ligule (mm) 1 - recorder at 7 days after anthesis		
l_liglt2nd_anth_2	Leaf length of ligule (mm) 2 - recorder at 7 days after anthesis		
l_liglt2nd_anth_3	Leaf length of ligule (mm) 3 - recorder at 7 days after anthesis		
l_liglt2nd_anth_4	Leaf length of ligule (mm) 4 - recorder at 7 days after anthesis		
l_liglt2nd_anth_5	Leaf length of ligule (mm) 5 - recorder at 7 days after anthesis		
la	Leaf blade attitude angle of the penultimate leaf prior to heading	1	Erect
		5	Horizontal
		7	Drooping
life	Life cycle - wild		
ligco_rev_anth	Ligule color at anthesis - wild	000	Absent
		011	Whitish
		062	Yellowish green
		080	Purple
		081	Light purple
		084	Purple lines
ligco_rev_veg	Leaf color of ligule	000	Absent
		011	Whitish
		062	Yellowish green
		080	Purple
		081	Light purple

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			084	Purple lines
liglt_1	Leaf length of ligule 1 (cm)			
liglt_2	Leaf length of ligule 2 (cm)			
liglt_3	Leaf length of ligule 3 (cm)			
liglt_4	Leaf length of ligule 4 (cm)			
liglt_5	Leaf length of ligule 5 (cm)			
ligsh	Leaf shape of ligule		0	Absent
			1	Truncate
			2	Acute
			3	2-cleft
llt_1	Leaf length of blade 1			
llt_2	Leaf length of blade 2			
llt_2nd_1	2nd leaf length (cm) 1			
llt_2nd_2	2nd leaf length (cm) 2			
llt_2nd_3	2nd leaf length (cm) 3			
llt_2nd_4	2nd leaf length (cm) 4			
llt_2nd_5	2nd leaf length (cm) 5			
llt_3	Leaf length of blade 3			
llt_4	Leaf length of blade 4			
llt_5	Leaf length of blade 5			
lpco_rev_anth	Lemma and palea color at anthesis		010	White
			012	Green striped white
			042	Gold and gold furrows
			052	Brown (tawny)
			053	Brown spots on green
			054	Brown furrows on green
			056	Blackish brown
			060	Green
			062	Yellowish green
			080	Purple
			082	Reddish to light purple
			083	Purple shade
			090	Purple spots on green
			091	Purple furrows on green
			100	Black
lpco_rev_post	Lemma and palea color (Late observation)		010	White
			020	Straw
			042	Gold and gold furrows
			052	Brown (tawny)
			053	Brown spots on green
			054	Brown furrows on green
			080	Purple
			082	Reddish and light purple
			090	Purple spots on green
			091	Purple furrows on green
			100	Black
lppub	Lemma and palea pubescence		1	Glabrous
			2	Hairs of lemma keel
			4	Short hairs

		5	Long hairs (velvety)
lsen	Leaf senescence	1	Very early
		3	Early
		5	Intermediate
		7	Late
		9	Very late
lwd_1	Leaf width (cm) 1 - cultivated		
lwd_2	Leaf width (cm) 2 - cultivated		
lwd_2nd_1	2nd leaf width (cm) 1		
lwd_2nd_2	2nd leaf width (cm) 2		
lwd_2nd_3	2nd leaf width (cm) 3		
lwd_2nd_4	2nd leaf width (cm) 4		
lwd_2nd_5	2nd leaf width (cm) 5		
lwd_3	Leaf width (cm) 3 - cultivated		
lwd_4	Leaf width (cm) 4 - cultivated		
lwd_5	Leaf width (cm) 5 - cultivated		
mat	Maturity		
noanth	Culm node of anthocyanin color	000	Absent
		080	Purple
		081	Light purple
		084	Purple lines
noco_rev	Culm underlying node color	000	Absent
		041	Light gold
		060	Green
pa_repro	Panicle attitude of main axis	1	Upright
		2	Semi-upright
		3	Slightly drooping
		4	Strongly drooping
pex_harv			
pex_repro	Panicle exsertion	1	Enclosed
		3	Partly exserted
		5	Just exserted
		7	Moderately well exserted
		9	Well exserted
plotno	Plotno		
plotno			
plt_post_1	Panicle length 1 (cm)		Panicle length at Post harvest (cm)
plt_post_2	Panicle length 2 (cm)		
plt_post_3	Panicle length 3 (cm)		
plt_post_4	Panicle length 4 (cm)		
plt_post_5	Panicle length 5 (cm)		
plt_repro_1	Panicle length 1 (cm)		(cm)
plt_repro_2	Panicle length 2 (cm)		
plt_repro_3	Panicle length 3 (cm)		
plt_repro_4	Panicle length 4 (cm)		
plt_repro_5	Panicle length 5 (cm)		
pno_1	Panicle number per plant 1		
pno_2	Panicle number per plant 2		

pno_3	Panicle number per plant 3		
pno_4	Panicle number per plant 4		
pno_5	Panicle number per plant 5		
pop_code	Pop_code		
pop_code	Pop_code		
potno	Potno		
potno			
psh	Panicle shattering	1	Very low (>1%)
		3	Low (~3%)
		5	Moderate (~15%)
		7	High (~35%)
		9	Very high (>50%)
pth	Panicle threshability	1	Difficult (few or no grains removed)
		2	Intermediate (25-50% of grains removed)
		3	Easy (>50% of grains removed)
pty	Panicle Attitude of branches	1	Compact
		3	Semi-compact
		5	Open
		7	Horizontal
		9	Drooping
remarks_char	Remarks		
rhifor			
scco_rev	See coat color	010	White
		050	Brown
		051	Light brown
		055	Speckled brown
		070	Red
		080	Purple
		088	Variable purple
sdht_1	Seedling height 1 (cm)		
sdht_10	Seedling height 10 (cm)		
sdht_2	Seedling height 2 (cm)		
sdht_3	Seedling height 3 (cm)		
sdht_4	Seedling height 4 (cm)		
sdht_5	Seedling height 5 (cm)		
sdht_6	Seedling height 6 (cm)		
sdht_7	Seedling height 7 (cm)		
sdht_8	Seedling height 8 (cm)		
sdht_9	Seedling height 9 (cm)		
second_br_post			
second_br_repro	Panicle Secondary branching	0	Absent
		1	Sparse (light)
		2	Dense (heavy)
		3	Clustering
slco_lrev	Sterile lemma color - Late observation	020	Straw
		040	Gold
		070	Red
		080	Purple
slco_rev	Sterile lemma color - Early observation	020	Straw
		040	Gold

		070	Red
		080	Purple
sllt_repro_1	Longer sterile lemma length 1 - (asymmetric) (mm)		
sllt_repro_2	Longer sterile lemma length 2 - (asymmetric) (mm)		
sllt_repro_3	Longer sterile lemma length 3 - (asymmetric) (mm)		
sllt_repro_4	Longer sterile lemma length 4 - (asymmetric) (mm)		
sllt_repro_5	Longer sterile lemma length 5 - (asymmetric) (mm)		
sllt_code	Sterile lemma length coded	1	Short
		3	Medium
		5	Long
		7	Extra long
		9	Asymmetrical
sllt_qty_1	Sterile lemma length (mm) 1		
sllt_qty_10	Sterile lemma length (mm) 10		
sllt_qty_2	Sterile lemma length (mm) 2		
sllt_qty_3	Sterile lemma length (mm) 3		
sllt_qty_4	Sterile lemma length (mm) 4		
sllt_qty_5	Sterile lemma length (mm) 5		
sllt_qty_6	Sterile lemma length (mm) 6		
sllt_qty_7	Sterile lemma length (mm) 7		
sllt_qty_8	Sterile lemma length (mm) 8		
sllt_qty_9	Sterile lemma length (mm) 9		
sllt_qty_repro_1	Sterile lemma length (mm) 1 at repro		
sllt_qty_repro_2	Sterile lemma length (mm) 2 at repro		
sllt_qty_repro_3	Sterile lemma length (mm) 3 at repro		
sllt_qty_repro_4	Sterile lemma length (mm) 4 at repro		
sllt_qty_repro_5	Sterile lemma length (mm) 5 at repro		
slsh_repro	Sterile lemma shape at repro	0	Absent
		1	Linear(long and slender)
		2	Subulate or setaceous
		3	Triangular (and very small)
slwd_qty_1	Sterile lemma width (mm) 1		
slwd_qty_2	Sterile lemma width (mm) 2		
slwd_qty_3	Sterile lemma width (mm) 3		
slwd_qty_4	Sterile lemma width (mm) 4		
slwd_qty_5	Sterile lemma width (mm) 5		
spkf	Spikelet fertility (% well developed spikelets on 5 panicles samples	1	Completely sterile (0%)
		2	Highly sterile (1-49%)
		3	Partly sterile (50-74%)
		4	Fertile (75-90%)
		5	Highly fertile (>90%)
splt_1	Spikelet length (mm) 1		
splt_2	Spikelet length (mm) 2		

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splt_3	Spikelet length (mm) 3		
splt_4	Spikelet length (mm) 4		
splt_5	Spikelet length (mm) 5		
spp_code	Species code		O. glaberrima; and W= Wild species
spwd_1	Spikelet width (mm) 1		
spwd_2	Spikelet width (mm) 2		
spwd_3	Spikelet width (mm) 3		
spwd_4	Spikelet width (mm) 4		
spwd_5	Spikelet width (mm) 5		
stco_rev	Spikelet color of stigma		
stlt_1	Stigma length (mm) 1		
stlt_2	Stigma length (mm) 2		
stlt_3	Stigma length (mm) 3		
stlt_4	Stigma length (mm) 4		
stlt_5	Stigma length (mm) 5		
stylt_1	Style length (mm) 1		
stylt_2	Style length (mm) 2		
stylt_3	Style length (mm) 3		
stylt_4	Style length (mm) 4		
stylt_5	Style length (mm) 5		
temp_id	Temporary identification		
temp_id	Temporary identification		