

# 13th IBGS Chromosome Walk

July 7, 2022

Position	Gene/allele	Locus name	Position	Gene/allele	Locus name
<b>Chromosome 1H</b>			4H-08	lks5.f	Short awn 5
1H-01	fch3.d	Chlorina seedling 3	4H-09	glf1.a	Glossy leaf 1 ++ +-
1H-02	Cer-yy.849	Eceriferum-yy - +++ ++	4H-10	sid1.a	Single internode dwarf 1
1H-03	int-a.1	Six-rowed spike 3 (int-a)	4H-11	blf3.3	Broad leaf 3 (Maculosus-3)
1H-04	cer-e.8	Eceriferum-e -/+ +++ ++	4H-12	wnd1.a	Winding dwarf 1
1H-05	ert-f.18	Erectoides-f	4H-13	Hsh1.a	Hairy leaf sheath 1
1H-06	mtt1.a	Mottled leaf 1	4H-14	yhd1.a	Yellow head 1
1H-07	sls1.a	Small lateral spikelet 1	<b>Chromosome 5H</b>		
1H-08	mat-f.23	Praematurum-f	5H-01	ops3.1	Opposite spikelets 3
1H-09	Acr3.b3	Accordion rachis 3	5H-02	cud1.a	Curly dwarf 1
1H-10	rvl1.a	Revoluted leaf 1	5H-03	brh12.o	Brachytic 12
1H-11	cud2.b	Curly dwarf 2	5H-04	ari-r.14	Breviaristatum-r
1H-12	scl-a.6	Scirpoides leaf-a	5H-05	fst1.a	Fragile stem 1
1H-13	trd1.b	Third outer glume 1	5H-06	lax-a.8	Laxatum-a
1H-14	eam8.k	Early maturity 8	5H-07	ari-e.1	Breviaristatum-e
<b>Chromosome 2H</b>			5H-08	srh1.a	Short rachilla hair 1
2H-01	gsh1.a	Glossy sheath 1 - - ++	5H-09	mnd4.e	Many noded dwarf 4
2H-02	Eam1.c	Early maturity 1 (Ppd-H1)	5H-10	Raw1	Smooth awn 1
2H-03	sld4.d	Slender dwarf 4	5H-11	Eam5.x	Early maturity 5 (HvPhyC)
2H-04	com2.g	Compositum 2	5H-12	cst1.a	Corn stalk 1
2H-05	fch1.a	Chlorina seedling 1	5H-13	Cal-c.15	Calcaroides-c
2H-06	yst4.d	Yellow streak 4	5H-14	int-m.85	Intermedium spike-m
2H-07	mat-c.19	Praematurum-c (Eam6)	<b>Chromosome 6H</b>		
2H-08	eog1.a	Elongated outer glume 1	6H-01	nec3.e	Necrotic leaf spot 3
2H-09	mnd1.a	Many noded dwarf 1	6H-02	ert-k.32	Erectoides-k
2H-10	vrs1.a	Six-rowed spike 1	6H-03	flo-a.1	Extra floret-a
2H-11	Lks1.a	Awnless 1	6H-04	crl1.a	Curly lateral 1
2H-12	fol-a.1	Angustifolium-a	6H-05	eam7.g	Early maturity 7 (HvCO7)
2H-13	lig1.my	Liguleless 1	6H-06	rob1.a	Orange lemma 1
2H-14	Zeo2.d	Zeocriton 2	6H-07	tst1.c	Tip sterile 1
<b>Chromosome 3H</b>			6H-08	cer-x.60	Glossy sheath 4 - - ++ (cer-
3H-01	gsh1.a	Lazy dwarf 1	6H-09	ant13.152	Proanthocyanidin-free 13
3H-02	sld5.h	Slender dwarf 5	6H-10	cul2.b	Uniculm 2
3H-03	yst2.b	Yellow streak 2	6H-11	mtt5.f	Mottled leaf 5
3H-04	alm1.a	Albino lemma 1	6H-12	cur3.e	Curly 3
3H-05	ari-a.6	Breviaristatum-a	6H-13	lax-c.21	Laxatum-c
3H-06	uzu1.c	Uzu 1 or semi brachytic 1	6H-14	ert-e.17	Dense spike 9
3H-07	int-f.19	Intermedium spike-f	<b>Chromosome 7H</b>		
3H-08	cer-r.19	Eceriferum-r +/- + ++	7H-01	brh1.a	Brachytic 1
3H-09	sld1.a	Slender dwarf 1	7H-02	fch12.b	Chlorina seedling 12
3H-10	lnt1.a	Low number of tillers 1	7H-03	gsh3.i	Glossy sheath 3 - - ++
3H-11	brh8.ad	Brachytic 8	7H-04	des1.v	Desynapsis 1
3H-12	sdw1.d	Semidwarf 1 (denso)	7H-05	Lga1.a	Long glume awn 1
3H-13	fch2.c	Chlorina seedling 2	7H-06	fch8.j	Chlorina seedling 8
3H-14	eam10.m	Early maturity 10	7H-07	pmr1.a	Premature ripe 1
<b>Chromosome 4H</b>			7H-08	wxs1.a	Waxy spike 1
4H-01	fch9.k	Chlorina seedling 9	7H-09	ert-a.6	Erectoides-a
4H-02	nec34.k	Necroticans 34	7H-10	fch4.g	Chlorina seedling 4
4H-03	int-c.5	Intermedium spike-c	7H-11	lks2.b	Short awn 2
4H-04	viv-b.6	Viviparoides-b	7H-12	gra-a.1	Granum-a
4H-05	glo-a.1003	Globosum-a	7H-13	sdw4.ba	Semidwarf 4
4H-06	Kap1.a	Hooded lemma 1	7H-14	ari-o.40	Breviaristatum-o (HvDIM)
4H-07	ant4.16	Anthocyanin-deficient 4		Bowman	Recurrent parent
					Local check