

**PO:00009003 sporophyte (116) Source filenames: po\_anatomy\_gene\_oryza\_gramene.**  
 - suggest that the associations for genes be moved to PO:0000003 whole plant, plus PO:00  
 - seedling vigor QTLs are already associated with PO:0007131 seedling growth, suggest ad

DB	DB_Object_ID	Object_Symt	Qualifier	PO ID	Reference ( DB:Ref
GR_gene	GR:0060442	HD3A		PO:0009003	GR_ref:5126
GR_gene	GR:0100907	P103-B2		PO:0009003	GR_ref:11276
GR_gene	GR:0100929	P107-E1		PO:0009003	GR_ref:11276
GR_gene	GR:0100957	P16-C3		PO:0009003	GR_ref:11276
GR_gene	GR:0100976	P35-D10		PO:0009003	GR_ref:11276
GR_gene	GR:0100979	P40-H12		PO:0009003	GR_ref:11276
GR_gene	GR:0100982	P4-D6		PO:0009003	GR_ref:11276
GR_gene	GR:0100989	P56-H4		PO:0009003	GR_ref:11276
GR_gene	GR:0101075	P86-H10		PO:0009003	GR_ref:11276
GR_gene	GR:0101082	P88-A11		PO:0009003	GR_ref:11276
GR_gene	GR:0101083	P88-A6		PO:0009003	GR_ref:11276
GR_gene	GR:0101104	P8-E2		PO:0009003	GR_ref:11276
GR_gene	GR:0101113	P91-A11		PO:0009003	GR_ref:11276
GR_gene	GR:0101154	P98-A9		PO:0009003	GR_ref:11276
GR_gene	GR:0101328	SAMS2		PO:0009003	GR_ref:2375 F
GR_QTL	AQFR003	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFV004	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQEP008	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFV027	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFV034	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQEP013	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFR010	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFV011	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQEP015	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFV021	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFR027	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFV026	SDLVIG		PO:0009003	GR_ref:11453
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GR_QTL	AQFR037	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFR030	SDLVIG		PO:0009003	GR_ref:11453
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GR_QTL	AQFR050	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFV002	SDLVIG		PO:0009003	GR_ref:11453
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GR_QTL	AQFR014	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFR044	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFR042	SDLVIG		PO:0009003	GR_ref:11453
GR_QTL	AQFR024	SDLVIG		PO:0009003	GR_ref:11453

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GR_QTL	AQFV030	SDLVIG	PO:0009003	GR_ref:11453
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GR_QTL	AQFV032	SDLVIG	PO:0009003	GR_ref:11453
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GR_QTL	AQFV023	SDLVIG	PO:0009003	GR_ref:11453
GR_QTL	AQFR040	SDLVIG	PO:0009003	GR_ref:11453
GR_QTL	AQFR018	SDLVIG	PO:0009003	GR_ref:11453
GR_QTL	AQFR006	SDLVIG	PO:0009003	GR_ref:11453
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GR_QTL	AQFR008	SDLVIG	PO:0009003	GR_ref:11453
GR_QTL	AQEP009	SDLVIG	PO:0009003	GR_ref:11453
GR_QTL	AQFR012	SDLVIG	PO:0009003	GR_ref:11453
GR_QTL	AQFV031	SDLVIG	PO:0009003	GR_ref:11453
GR_QTL	AQFR016	SDLVIG	PO:0009003	GR_ref:11453
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GR_QTL	AQFR019	SDLVIG	PO:0009003	GR_ref:11453
GR_QTL	AQFV033	SDLVIG	PO:0009003	GR_ref:11453
GR_QTL	AQFV006	SDLVIG	PO:0009003	GR_ref:11453

**PO:0009004: gametophyte 1: from source file: po\_anatomy\_gene\_oryza\_gramene.ass**  
 -we suggest that this association be moved to PO:0020091 male gametophyte or PO:0029009 megagametophytic stages and PO:0001007 pollen developmental stages

DB	DB_Object_ID	Object_Symt	Qualifier	PO ID	Reference ( DB:Ref
GR_gene	GR:0100601	Dmc1		PO:0009004	GR_ref:11122

**assoc, and po\_anatomy\_qtl\_oryza\_gramene.assoc**

128002 sprophytic stage for genes;

linking association to PO:0000003 whole plant as well, if appropriate

Evidence	With (or)from	Aspect	B_Object_Namct_Synonym( SB_Object_Type
IEP	Q93WI9	A	HEADING DAT Hd3a Heading gene
TAS		A	small interfering RNA P103-Bgene
TAS		A	small interfering RNA P107-Egene
TAS		A	small interfering RNA P16-C3gene
TAS		A	small interfering RNA P35-D1gene
TAS		A	small interfering RNA P40-H1gene
TAS		A	small interfering RNA P4-D6 gene
TAS		A	small interfering RNA P56-H4gene
TAS		A	small interfering RNA P86-H1gene
TAS		A	small interfering RNA P88-A1gene
TAS		A	small interfering RNA P88-A6gene
TAS		A	small interfering RNA P8-E2 gene
TAS		A	small interfering RNA P91-A1gene
TAS		A	small interfering RNA P98-A9gene
IC	P93438	A	S-adenosyl-L-rpOS-SAMS2 A gene
IC		A	seedling vigor QTL
IC		A	seedling vigor qSV-3-1 QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor qSV-8-2 QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor qSV-3-2 QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor qSV-8-1 QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor qSV-8-2 QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor qSV-3-2 QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor qSV-3-1 QTL
IC		A	seedling vigor qSV-3-2 QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor QTL
IC		A	seedling vigor QTL



IC	A	seedling vigor	qSV-8-2	QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor	QSV-5	QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor	qSV-8-2	QTL
IC	A	seedling vigor	QSV-5	QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor	QSV-5	QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor		QTL
IC	A	seedling vigor	qSV-3-1	QTL

**dc**  
 2 female gametophyte, or to PO:0028003 gametophytic stage. It is already associated with

Evidence	With (or)from	Aspect	B_Object_Namct_Synonym( SB_Object_Type
IC	Q8W2E6	A	Disrupted meirOsDmc1 OsDngene







