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saved-by: RSHRESTHA  
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subsetdef: agronomic ""  
subsetdef: climate ""  
subsetdef: design factor ""  
subsetdef: disease resistance ""  
subsetdef: field management ""  
subsetdef: grain quality ""  
subsetdef: insect and pest resistance ""  
subsetdef: molecular ""  
subsetdef: morphological ""  
subsetdef: passport ""  
subsetdef: soil properties ""  
subsetdef: stress ""  
default-namespace: ICIS\_data\_property  
namespace-id-rule: \* CO\_041:\$sequence(7,0,9999999)\$

[Term]

id: CO\_041:0000000  
name: ICIS data property ontology

[Term]

id: CO\_041:0000001  
name: agronomic trait  
is\_a: CO\_041:1000000 ! property

[Term]

id: CO\_041:0000002  
name: climate condition  
is\_a: CO\_041:1000000 ! property

[Term]

id: CO\_041:0000003  
name: design factor  
is\_a: CO\_041:1000000 ! property

[Term]

id: CO\_041:0000004  
name: disease resistance  
is\_a: CO\_041:1000000 ! property

[Term]

id: CO\_041:0000005  
name: field management property  
is\_a: CO\_041:1000000 ! property

[Term]

id: CO\_041:0000006  
name: grain quality  
is\_a: CO\_041:1000000 ! property

[Term]  
id: CO\_041:0000007  
name: crop damage resistance  
synonym: "insect or pest damage resistance" RELATED []  
is\_a: CO\_041:1000000 ! property

[Term]  
id: CO\_041:0000008  
name: molecular property  
is\_a: CO\_041:1000000 ! property

[Term]  
id: CO\_041:0000009  
name: morphological trait  
is\_a: CO\_041:1000000 ! property

[Term]  
id: CO\_041:0000010  
name: passport property  
is\_a: CO\_041:1000000 ! property

[Term]  
id: CO\_041:0000011  
name: soil property  
is\_a: CO\_041:1000000 ! property

[Term]  
id: CO\_041:0000012  
name: stress trait  
is\_a: CO\_041:1000000 ! property

[Term]  
id: CO\_041:0000013  
name: inventory property  
is\_a: CO\_041:1000000 ! property

[Term]  
id: CO\_041:0000014  
name: viral disease resistance  
xref: TO:0000148  
is\_a: CO\_041:0000004 ! disease resistance

[Term]  
id: CO\_041:0000015  
name: bacterial disease resistance  
xref: TO:0000315  
is\_a: CO\_041:0000004 ! disease resistance

[Term]  
id: CO\_041:0000016  
name: fungal disease resistance

is\_a: CO\_041:0000004 ! disease resistance

[Term]

id: CO\_041:0000017  
name: physicochemical stress trait  
is\_a: CO\_041:0000012 ! stress trait

[Term]

id: CO\_041:0000018  
name: temperature stress trait  
is\_a: CO\_041:0000012 ! stress trait

[Term]

id: CO\_041:0000019  
name: drought stress trait  
is\_a: CO\_041:0000012 ! stress trait

[Term]

id: CO\_041:0000020  
name: deepwater stress trait  
is\_a: CO\_041:0000012 ! stress trait

[Term]

id: CO\_041:0000021  
name: animal damage resistance  
is\_a: CO\_041:0000007 ! crop damage resistance

[Term]

id: CO\_041:0000022  
name: insect damage resistance  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0000023  
name: apiculus related trait  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0000024  
name: auricle related trait  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0000025  
name: awn related trait  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0000026  
name: culm related trait  
is\_a: CO\_041:0000009 ! morphological trait

[Term]  
id: CO\_041:0000027  
name: leaf related trait  
is\_a: CO\_041:0000009 ! morphological trait

[Term]  
id: CO\_041:0000028  
name: flag leaf related trait  
is\_a: CO\_041:0000027 ! leaf related trait

[Term]  
id: CO\_041:0000029  
name: leaf blade related trait  
is\_a: CO\_041:0000027 ! leaf related trait

[Term]  
id: CO\_041:0000030  
name: grain related trait  
is\_a: CO\_041:0000009 ! morphological trait

[Term]  
id: CO\_041:0000031  
name: lemma and palea related trait  
is\_a: CO\_041:0000009 ! morphological trait

[Term]  
id: CO\_041:0000032  
name: ligule related trait  
is\_a: CO\_041:0000009 ! morphological trait

[Term]  
id: CO\_041:0000033  
name: node related trait  
is\_a: CO\_041:0000009 ! morphological trait

[Term]  
id: CO\_041:0000034  
name: panicle related trait  
is\_a: CO\_041:0000009 ! morphological trait

[Term]  
id: CO\_041:0000035  
name: sterile lemma related trait  
is\_a: CO\_041:0000009 ! morphological trait

[Term]  
id: CO\_041:0000036  
name: passport related date  
is\_a: CO\_041:0000010 ! passport property

[Term]  
id: CO\_041:0000037

name: sample property  
is\_a: CO\_041:0000010 ! passport property

[Term]

id: CO\_041:0000038  
name: passport related remark  
is\_a: CO\_041:0000010 ! passport property

[Term]

id: CO\_041:0000039  
name: fertility related trait  
is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0000040  
name: yield trait  
is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0000041  
name: sterility related trait  
is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0000042  
name: yield testing entry  
is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0000043  
name: amount of fertilizer applied  
is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0000044  
name: stress management property  
is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0000045  
name: pest management property  
is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0000046  
name: water management property  
is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0000047  
name: brown rice quality  
is\_a: CO\_041:0000006 ! grain quality

[Term]  
id: CO\_041:0000048  
name: amount of particle in soil  
is\_a: CO\_041:0000011 ! soil property

[Term]  
id: CO\_041:0000049  
name: irrigation  
is\_a: CO\_041:0000316 ! water management  
created\_by: RSHRESTHA  
creation\_date: 2009-06-18T04:35:23Z

[Term]  
id: CO\_041:0000050  
name: pre-sowing irrigation  
is\_a: CO\_041:0000049 ! irrigation  
created\_by: RSHRESTHA  
creation\_date: 2009-06-18T04:35:46Z

[Term]  
id: CO\_041:0000051  
name: post-sowing irrigation  
is\_a: CO\_041:0000049 ! irrigation  
created\_by: RSHRESTHA  
creation\_date: 2009-06-18T04:36:47Z

[Term]  
id: CO\_041:0000052  
name: post-sowing irrigation number  
is\_a: CO\_041:0000051 ! post-sowing irrigation  
created\_by: RSHRESTHA  
creation\_date: 2009-06-18T04:37:42Z

[Term]  
id: CO\_041:0000053  
name: pre-sowing irrigation number  
is\_a: CO\_041:0000050 ! pre-sowing irrigation  
created\_by: RSHRESTHA  
creation\_date: 2009-06-18T04:38:06Z

[Term]  
id: CO\_041:0000201  
name: study  
subset: design factor  
xref: TID:131  
is\_a: CO\_041:0000003 ! design factor

[Term]  
id: CO\_041:0000202  
name: replication  
def: "Specific block number in the experimental layout." [IRRI:SES]

subset: design factor  
 synonym: "BLK" EXACT []  
 synonym: "block in layout" RELATED []  
 synonym: "block number" RELATED []  
 xref: TID:141  
 xref: TID:143  
 xref: TID:188  
 is\_a: CO\_041:0000003 ! design factor

[Term]  
 id: CO\_041:0000203  
 name: row number  
 def: "Specific row position of plot in the Latin Square randomized layout in the field." [IRRI:SES]  
 subset: design factor  
 synonym: "ROW" RELATED []  
 synonym: "row1 in layout" RELATED []  
 xref: TID:139  
 xref: TID:189  
 is\_a: CO\_041:0000003 ! design factor

[Term]  
 id: CO\_041:0000204  
 name: column number  
 def: "Specific column position of plot in the Latin Square randomized layout in the field." [IRRI:SES]  
 subset: design factor  
 synonym: "COL" RELATED []  
 synonym: "columnng in layout" RELATED []  
 xref: TID:140  
 xref: TID:190  
 is\_a: CO\_041:0000003 ! design factor

[Term]  
 id: CO\_041:0000205  
 name: plot number  
 def: "Plot number in the field layout." [IRRI:SES]  
 subset: design factor  
 synonym: "plot" RELATED []  
 synonym: "PLOT" EXACT []  
 synonym: "plot identification" RELATED []  
 xref: TID:142  
 xref: TID:191  
 xref: TID:377  
 is\_a: CO\_041:0000003 ! design factor

[Term]  
 id: CO\_041:0000206  
 name: rows per plot  
 alt\_id: CO\_041:0001621  
 def: "Number of rows planted per plot." [IRRI:SES]  
 subset: design factor

synonym: "no\_of\_rows" RELATED []  
 synonym: "ROWP" EXACT []  
 xref: TID:148  
 xref: TID:381  
 is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000207  
 name: row length  
 def: "Length of row in a plot." [IRRI:SES]  
 subset: design factor  
 synonym: "length of row" RELATED []  
 synonym: "ROWL" EXACT []  
 xref: TID:111  
 xref: TID:383  
 is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000208  
 name: row spacing  
 def: "Distance of planting between rows." [IRRI:SES]  
 subset: design factor  
 synonym: "RSPC" EXACT []  
 xref: TID:112  
 is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000209  
 name: hill spacing  
 def: "Distance of planting between hills within rows." [IRRI:SES]  
 subset: design factor  
 synonym: "HSPC" EXACT []  
 xref: TID:113  
 is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000210  
 name: seedling per hill  
 def: "The number of seedlings planted per hill." [IRRI:SES]  
 subset: design factor  
 synonym: "seedling/hill" RELATED []  
 xref: TID:115  
 xref: TID:382  
 is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000211  
 name: plant density  
 def: "Number of plants per unit area." [IRRI:SES]  
 subset: design factor  
 synonym: "PLDEN" EXACT []  
 xref: TID:154

is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000212  
name: sampling unit  
def: "Unit from which an observation is taken." [IRRI:SES]  
subset: design factor  
synonym: "field object" RELATED []  
xref: TID:155  
xref: TID:156  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000213  
name: plot size  
def: "Size or dimensions of harvested plot." [IRRI:SES]  
subset: design factor  
synonym: "harvested plot" RELATED []  
synonym: "plot size harvested" RELATED []  
xref: TID:114  
xref: TID:192  
xref: TID:193  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000214  
name: remark  
subset: design factor  
synonym: "comment" RELATED []  
xref: TID:133  
xref: TID:206  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000215  
name: location  
subset: design factor  
synonym: "country" RELATED []  
xref: TID:194  
xref: TID:44  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000216  
name: ecosystem  
subset: design factor  
xref: TID:195  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000217  
name: nursery

subset: design factor  
xref: TID:5  
is\_a: CO\_041:0000003 ! design factor

[Term]  
id: CO\_041:0000218  
name: trial  
subset: design factor  
synonym: "trial within study" RELATED []  
xref: TID:196  
xref: TID:45  
is\_a: CO\_041:0000003 ! design factor

[Term]  
id: CO\_041:0000219  
name: time of measurement or observation  
alt\_id: CO\_041:0001588  
def: "Date when measurements or observations are made." [IRRI:SES]  
subset: design factor  
synonym: "day" RELATED []  
synonym: "month" RELATED []  
synonym: "year" RELATED []  
synonym: "YR" RELATED []  
xref: TID:103  
xref: TID:107  
xref: TID:414  
xref: TID:6  
is\_a: CO\_041:0000003 ! design factor

[Term]  
id: CO\_041:0000220  
name: crop season  
subset: design factor  
synonym: "season" RELATED []  
xref: TID:197  
xref: TID:7  
is\_a: CO\_041:0000003 ! design factor

[Term]  
id: CO\_041:0000221  
name: cooperator  
subset: design factor  
synonym: "COOP" EXACT []  
xref: TID:108  
is\_a: CO\_041:0000003 ! design factor

[Term]  
id: CO\_041:0000222  
name: seeding date  
alt\_id: CO\_041:0001623  
def: "Date of seeding." [IRRI:SES]  
subset: design factor

synonym: "date seeded" RELATED []  
synonym: "DOS" RELATED []  
synonym: "SDATE" EXACT []  
synonym: "seeding" RELATED []  
xref: TID:198  
xref: TID:379  
xref: TID:92  
is\_a: CO\_041:0000003 ! design factor

[Term]  
id: CO\_041:0000223  
name: transplanting date  
def: "Date of transplanting." [IRRI:SES]  
subset: design factor  
synonym: "date transplanted" RELATED []  
synonym: "DOT" RELATED []  
synonym: "transplanting" RELATED []  
xref: TID:199  
xref: TID:380  
xref: TID:93  
is\_a: CO\_041:0000003 ! design factor

[Term]  
id: CO\_041:0000224  
name: planting date  
def: "Date of planting." [IRRI:SES]  
subset: design factor  
synonym: "date of planting" RELATED []  
synonym: "DOP" RELATED []  
xref: TID:145  
xref: TID:330  
is\_a: CO\_041:0000003 ! design factor

[Term]  
id: CO\_041:0000225  
name: plants selected  
subset: design factor  
synonym: "npsel" RELATED []  
synonym: "sampled plants" RELATED []  
xref: TID:151  
xref: TID:152  
xref: TID:200  
is\_a: CO\_041:0000003 ! design factor

[Term]  
id: CO\_041:0000226  
name: study design  
def: "Survey design used." [IRRI:SES]  
subset: design factor  
synonym: "experimental design" RELATED []  
synonym: "survey design" RELATED []  
xref: TID:218

xref: TID:219  
xref: TID:220  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000227  
name: time of application  
alt\_id: CO\_041:0001616  
alt\_id: CO\_041:0001617  
comment: Time of 1st application of N or P2O5 (days after sowing).  
subset: design factor  
synonym: "apply\_N" RELATED []  
synonym: "apply\_P2O5" RELATED []  
synonym: "time of nitrogen application" RELATED []  
synonym: "time of phosphorus application" RELATED []  
xref: TID:265  
xref: TID:385  
xref: TID:386  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000228  
name: hills sampled  
subset: design factor  
xref: TID:327  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000229  
name: investigator  
subset: design factor  
synonym: "INV" EXACT []  
xref: TID:331  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000230  
name: graph  
synonym: "GRAPH" EXACT []  
xref: TID:344  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000231  
name: image of plant  
synonym: "plant image" RELATED []  
synonym: "PLIM" EXACT []  
xref: TID:352  
is\_a: CO\_041:0000013 ! inventory property

[Term]

id: CO\_041:0000251

name: germplasm identification  
 def: "A cultivated variety; the international term for variety."  
 [IRRI:SES]  
 subset: design factor  
 synonym: "cultivar" RELATED []  
 synonym: "entry number" RELATED []  
 synonym: "germplasm group" RELATED []  
 synonym: "local check" RELATED []  
 synonym: "seed source" RELATED []  
 synonym: "variety" RELATED []  
 xref: TID:132  
 xref: TID:163  
 xref: TID:4  
 xref: TID:87  
 xref: TID:88  
 xref: TID:89  
 xref: TID:90  
 is\_a: CO\_041:0000003 ! design factor

[Term]  
 id: CO\_041:0000252  
 name: yield testing  
 def: "Extent of testing, whether local, state or national." [IRRI:SES]  
 subset: design factor  
 xref: TID:203  
 is\_a: CO\_041:0000003 ! design factor

[Term]  
 id: CO\_041:0000253  
 name: isolate  
 subset: design factor  
 xref: TID:2  
 is\_a: CO\_041:0000003 ! design factor

[Term]  
 id: CO\_041:0000254  
 name: species of stemborer used  
 def: "Species of stemborer used to infest plants in IRSBN trials."  
 [IRRI:SES]  
 subset: design factor  
 xref: TID:3  
 is\_a: CO\_041:0000003 ! design factor

[Term]  
 id: CO\_041:0000255  
 name: soil layer sampled  
 alt\_id: CO\_041:0001581  
 def: "Depth range of soil sample layer." [IRRI:SES]  
 subset: design factor  
 synonym: "depth\_range" RELATED []  
 synonym: "soil\_layer" RELATED []  
 xref: TID:251

xref: TID:420  
xref: TID:421  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000256  
name: gall midge biotype  
def: "Gall midge biotype." [IRRI:SES]  
subset: design factor  
synonym: "GMB" EXACT []  
xref: TID:328  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0000257  
name: mutagen  
synonym: "MUT" EXACT []  
xref: TID:349  
is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0000301  
name: breeding method  
def: "Breeding method used." [IRRI:SES]  
subset: field management  
synonym: "bmeth" RELATED []  
synonym: "BMETH" EXACT []  
xref: TID:150  
xref: TID:153  
is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0000302  
name: amount of nitrogen fertilizer  
def: "Amount of nitrogen fertilizer applied." [IRRI:SES]  
subset: field management  
synonym: "nitrogen" RELATED []  
xref: TID:104  
xref: TID:384  
is\_a: CO\_041:0000043 ! amount of fertilizer applied

[Term]

id: CO\_041:0000303  
name: amount of phosphorus fertilizer  
def: "Amount of phosphorous fertilizer applied." [IRRI:SES]  
subset: field management  
xref: TID:105  
is\_a: CO\_041:0000043 ! amount of fertilizer applied

[Term]

id: CO\_041:0000304  
name: amount of potassium fertilizer

def: "Amount of potassium fertilizer applied." [IRRI:SES]  
 subset: field management  
 synonym: "potassium" RELATED []  
 xref: TID:106  
 xref: TID:387  
 is\_a: CO\_041:0000043 ! amount of fertilizer applied

[Term]  
 id: CO\_041:0000305  
 name: degree of moisture stress  
 def: "Degree of moisture stress." [IRRI:SES]  
 subset: field management  
 synonym: "degree\_moist" RELATED []  
 synonym: "moisture stress" RELATED []  
 xref: TID:1  
 xref: TID:239  
 xref: TID:402  
 is\_a: CO\_041:0000044 ! stress management property

[Term]  
 id: CO\_041:0000306  
 name: duration of moisture stress  
 alt\_id: CO\_041:0001598  
 def: "Duration of moisture stress." [IRRI:SES]  
 comment: Period of moisture stress.  
 subset: field management  
 synonym: "days\_moist" RELATED []  
 synonym: "period of moisture stress" RELATED []  
 xref: TID:234  
 xref: TID:238  
 xref: TID:404  
 is\_a: CO\_041:0000044 ! stress management property

[Term]  
 id: CO\_041:0000307  
 name: bund  
 alt\_id: CO\_041:0001597  
 def: "An indication whether or not the field used for the experiment is banded or not A bund is an embankment used to control the flow of water; a division between fields." [IRRI:SES]  
 comment: Is the field banded or not?  
 subset: field management  
 synonym: "banded" RELATED []  
 xref: TID:235  
 xref: TID:405  
 is\_a: CO\_041:0000005 ! field management property

[Term]  
 id: CO\_041:0000308  
 name: fertilizer type applied  
 alt\_id: CO\_041:0001614

def: "Fertilizer other than nitrogen, phosphorous and potassium applied." [IRRI:SES]  
 subset: field management  
 synonym: "fertilizer\_name" RELATED []  
 synonym: "other fertilizer applied" RELATED []  
 xref: TID:201  
 xref: TID:318  
 xref: TID:388  
 is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0000309  
 name: amount of other fertilizer  
 def: "Amount of fertilizer applied other than nitrogen, phosphorous and potassium." [IRRI:SES]  
 subset: field management  
 synonym: "fertilizer" RELATED []  
 synonym: "fertilizer amount" RELATED []  
 xref: TID:202  
 xref: TID:319  
 xref: TID:389  
 is\_a: CO\_041:0000043 ! amount of fertilizer applied

[Term]

id: CO\_041:0000310  
 name: land inclination  
 def: "Degree of land inclination for about 100 meters surrounding the experimental field." [IRRI:SES]  
 subset: field management  
 synonym: "land\_inclination" RELATED []  
 xref: TID:236  
 xref: TID:406  
 is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0000311  
 name: disease protection  
 def: "Extent of disease protection implemented during trial." [IRRI:SES]  
 subset: field management  
 synonym: "disease\_protect" RELATED []  
 xref: TID:116  
 xref: TID:393  
 is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0000312  
 name: insect protection  
 def: "Extent of insect protection implemented during trial." [IRRI:SES]  
 subset: field management  
 synonym: "insect\_protect" RELATED []

xref: TID:117  
xref: TID:394  
is\_a: CO\_041:0000045 ! pest management property

[Term]

id: CO\_041:0000313  
name: pest type  
subset: field management  
synonym: "pest\_type" RELATED []  
xref: TID:204  
xref: TID:390  
is\_a: CO\_041:0000045 ! pest management property

[Term]

id: CO\_041:0000314  
name: pest name  
subset: field management  
synonym: "pest\_name" RELATED []  
xref: TID:205  
xref: TID:391  
is\_a: CO\_041:0000045 ! pest management property

[Term]

id: CO\_041:0000315  
name: pest or insect damage  
def: "Overall extent of insect/pest damage." [IRRI:SES]  
subset: field management  
xref: TID:213  
is\_a: CO\_041:0000045 ! pest management property

[Term]

id: CO\_041:0000316  
name: water management  
def: "Type of water management, whether irrigated or rainfed."  
[IRRI:SES]  
subset: field management  
synonym: "WMGT" EXACT []  
xref: TID:97  
is\_a: CO\_041:0000046 ! water management property

[Term]

id: CO\_041:0000317  
name: duration of flooding  
alt\_id: CO\_041:0001590  
def: "Length of time when the field is under flood during the cropping  
season." [IRRI:SES]  
comment: If field is flooded, days flooded?  
subset: field management  
synonym: "flood\_days" RELATED []  
xref: TID:237  
xref: TID:412  
is\_a: CO\_041:0000046 ! water management property

[Term]

id: CO\_041:0000318  
 name: water depth  
 alt\_id: CO\_041:0001592  
 def: "Water depth when the field is either above the normal water level in the nearest open drain, creek or river or is flooded during the cropping season." [IRRI:SES]  
 comment: If field is flooded or above the normal water level, water depth or by how much?  
 subset: field management  
 synonym: "depth of flooding" RELATED []  
 synonym: "flood depth" RELATED []  
 synonym: "H2O\_above" RELATED []  
 synonym: "WDEP" EXACT []  
 xref: TID:240  
 xref: TID:241  
 xref: TID:410  
 xref: TID:411  
 is\_a: CO\_041:0000046 ! water management property

[Term]

id: CO\_041:0000319  
 name: stage at flooding  
 alt\_id: CO\_041:0001589  
 def: "The plant growth stage when the field is under flood during the cropping season." [IRRI:SES]  
 comment: If field is flooded, plant growth stage?  
 subset: field management  
 synonym: "flood\_stage" RELATED []  
 xref: TID:246  
 xref: TID:413  
 is\_a: CO\_041:0000046 ! water management property

[Term]

id: CO\_041:0000320  
 name: stage at moisture stress  
 alt\_id: CO\_041:0001599  
 def: "Plant growth stage at the time of moisture stress." [IRRI:SES]  
 comment: Plant growth stage at time of moisture stress.  
 subset: field management  
 synonym: "stage\_moist" RELATED []  
 xref: TID:247  
 xref: TID:403  
 is\_a: CO\_041:0000044 ! stress management property

[Term]

id: CO\_041:0000321  
 name: water level  
 alt\_id: CO\_041:0001584  
 def: "Usual water level during the cropping season." [IRRI:SES]  
 subset: field management

synonym: "H2O\_level" RELATED []  
 synonym: "WLEV" EXACT []  
 xref: TID:254  
 xref: TID:418  
 is\_a: CO\_041:0000046 ! water management property

[Term]

id: CO\_041:0000322  
 name: water source  
 alt\_id: CO\_041:0001595  
 def: "The nearest source of water in the experimental field."  
 [IRRI:SES]  
 comment: Nearest water source.  
 subset: field management  
 synonym: "H2O\_source\_type" RELATED []  
 synonym: "WSRC" EXACT []  
 xref: TID:256  
 xref: TID:407  
 is\_a: CO\_041:0000046 ! water management property

[Term]

id: CO\_041:0000323  
 name: distance from water source  
 alt\_id: CO\_041:0001594  
 def: "The distance of the experimental field from the nearest water source." [IRRI:SES]  
 comment: Distance of water source from field.  
 subset: field management  
 synonym: "H2O\_source\_dist" RELATED []  
 xref: TID:257  
 xref: TID:408  
 is\_a: CO\_041:0000046 ! water management property

[Term]

id: CO\_041:0000324  
 name: seeding rate  
 def: "The amount of seed planted per unit area of land." [IRRI:SES]  
 subset: field management  
 synonym: "SRATE" EXACT []  
 xref: TID:320  
 is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0000401  
 name: rainfall  
 def: "The quantity of water deposited. Also precipitation." [IRRI:SES]  
 subset: climate  
 synonym: "precipitation" RELATED []  
 xref: TID:160  
 xref: TID:99  
 is\_a: CO\_041:0000002 ! climate condition

[Term]  
id: CO\_041:0000404  
name: weather condition  
def: "General description of weather condition." [IRRI:SES]  
subset: climate  
synonym: "WEA" EXACT []  
xref: TID:96  
is\_a: CO\_041:0000002 ! climate condition

[Term]  
id: CO\_041:0000405  
name: temperature  
def: "Atmospheric temperature." [IRRI:SES]  
subset: climate  
synonym: "atmospheric temperature" RELATED []  
xref: TID:100  
xref: TID:329  
is\_a: CO\_041:0000002 ! climate condition

[Term]  
id: CO\_041:0000406  
name: sunshine period  
subset: climate  
synonym: "sunshine hours" RELATED []  
xref: TID:102  
is\_a: CO\_041:0000002 ! climate condition

[Term]  
id: CO\_041:0000407  
name: solar radiation  
subset: climate  
xref: TID:101  
is\_a: CO\_041:0000002 ! climate condition

[Term]  
id: CO\_041:0000408  
name: rainy period  
subset: climate  
synonym: "rainy days" RELATED []  
xref: TID:321  
xref: TID:98  
is\_a: CO\_041:0000002 ! climate condition

[Term]  
id: CO\_041:0000409  
name: cold period  
subset: climate  
xref: TID:322  
is\_a: CO\_041:0000002 ! climate condition

[Term]  
id: CO\_041:0000500

name: polymorphism detector  
subset: molecular  
synonym: "PD" EXACT []  
xref: ICIS\_SCALEID:505  
xref: ICIS\_TMETHID:505  
xref: TID:268  
is\_a: CO\_041:0000008 ! molecular property

[Term]  
id: CO\_041:0000501  
name: molecular variant  
subset: molecular  
synonym: "MV" EXACT []  
xref: ICIS\_SCALEID:500  
xref: ICIS\_TMETHID:500  
xref: TID:269  
is\_a: CO\_041:0000008 ! molecular property

[Term]  
id: CO\_041:0000502  
name: linkage distance  
subset: molecular  
synonym: "LKDIST" EXACT []  
xref: ICIS\_SCALEID:519  
xref: ICIS\_TMETHID:519  
xref: TID:270  
is\_a: CO\_041:0000008 ! molecular property

[Term]  
id: CO\_041:0000503  
name: marker detector  
def: "Property defining a detectable genome segment." [IRRI:SES]  
synonym: "marker\_detector" RELATED []  
synonym: "MKRD" EXACT []  
xref: OTHER:3  
xref: TID:443  
is\_a: CO\_041:0000008 ! molecular property

[Term]  
id: CO\_041:0000504  
name: linkage group  
subset: molecular  
synonym: "LKG" EXACT []  
xref: ICIS\_SCALEID:511  
xref: ICIS\_TMETHID:511  
xref: TID:271  
is\_a: CO\_041:0000008 ! molecular property

[Term]  
id: CO\_041:0000505  
name: molecular genotype  
subset: molecular

synonym: "MG" EXACT []  
xref: ICIS\_SCALEID:514  
xref: ICIS\_TMETHID:514  
xref: TID:272  
is\_a: CO\_041:0000008 ! molecular property

[Term]  
id: CO\_041:0000506  
name: locus  
def: "Locus at which molecular variants can be detected." [IRRI:SES]  
subset: molecular  
xref: TID:273  
is\_a: CO\_041:0000008 ! molecular property

[Term]  
id: CO\_041:0000601  
name: soil pH  
def: "A measure of the degree of acidity or alkalinity of a soil."  
[IRRI:SES]  
subset: soil properties  
xref: TID:94  
is\_a: CO\_041:0000011 ! soil property

[Term]  
id: CO\_041:0000602  
name: soil texture  
def: "The relative proportions of sand, silt, and clay particles in a  
soil." [IRRI:SES]  
subset: soil properties  
xref: TID:95  
is\_a: CO\_041:0000011 ! soil property

[Term]  
id: CO\_041:0000603  
name: peat soil  
def: "Peat soil." [IRRI:SES]  
subset: soil properties  
xref: TID:134  
is\_a: CO\_041:0000011 ! soil property

[Term]  
id: CO\_041:0000604  
name: problem soil  
def: "Problem soil." [IRRI:SES]  
subset: soil properties  
synonym: "soil\_problem" RELATED []  
xref: TID:431  
xref: TID:73  
is\_a: CO\_041:0000011 ! soil property

[Term]  
id: CO\_041:0000605

name: electrical conductivity  
 alt\_id: CO\_041:0001578  
 alt\_id: CO\_041:0001579  
 alt\_id: CO\_041:0001580  
 def: "A measure of the amount of salts in a solution expressed as deciSiemen per meter (dS/m)." [IRRI:SES]  
 subset: soil properties  
 synonym: "elec\_4wat" RELATED []  
 synonym: "elec\_8wat" RELATED []  
 synonym: "elec\_transp" RELATED []  
 xref: TID:242  
 xref: TID:422  
 xref: TID:423  
 xref: TID:424  
 is\_a: CO\_041:0000011 ! soil property

[Term]

id: CO\_041:0000606  
 name: amount of exchangeable sodium  
 def: "Amount of exchangeable sodium in soil." [IRRI:SES]  
 subset: soil properties  
 synonym: "exch\_na" RELATED []  
 synonym: "exchangeable sodium" RELATED []  
 xref: TID:243  
 xref: TID:426  
 is\_a: CO\_041:0000048 ! amount of particle in soil

[Term]

id: CO\_041:0000607  
 name: amount of organic matter  
 def: "Amount of organic matter in soil." [IRRI:SES]  
 subset: soil properties  
 synonym: "org\_mat" RELATED []  
 synonym: "organic matter" RELATED []  
 xref: TID:244  
 xref: TID:427  
 is\_a: CO\_041:0000048 ! amount of particle in soil

[Term]

id: CO\_041:0000608  
 name: physico-chemical stress in soil  
 def: "Physico-chemical stress present in soil." [IRRI:SES]  
 subset: soil properties  
 synonym: "physico-chemical stress" RELATED []  
 xref: TID:245  
 is\_a: CO\_041:0000011 ! soil property

[Term]

id: CO\_041:0000609  
 name: amount of silt  
 alt\_id: CO\_041:0001573  
 def: "Amount of silt in soil." [IRRI:SES]

comment: Topsoil or subsoil.  
subset: soil properties  
synonym: "silt in soil" RELATED []  
synonym: "silt\_pct" RELATED []  
xref: TID:252  
xref: TID:429  
is\_a: CO\_041:0000048 ! amount of particle in soil

[Term]

id: CO\_041:0000610  
name: amount of clay  
alt\_id: CO\_041:0001572  
def: "Amount of clay in soil." [IRRI:SES]  
subset: soil properties  
synonym: "clay in soil" RELATED []  
synonym: "clay\_pct" RELATED []  
xref: TID:253  
xref: TID:430  
is\_a: CO\_041:0000048 ! amount of particle in soil

[Term]

id: CO\_041:0000611  
name: amount of sand  
alt\_id: CO\_041:0001574  
def: "Amount of sand in soil." [IRRI:SES]  
subset: soil properties  
synonym: "sand in soil" RELATED []  
synonym: "sand\_pct" RELATED []  
xref: TID:255  
xref: TID:428  
is\_a: CO\_041:0000048 ! amount of particle in soil

[Term]

id: CO\_041:0000612  
name: cation exchange capacity  
def: "Cation exchange capacity of soil." [IRRI:SES]  
subset: soil properties  
synonym: "cation\_exch" EXACT []  
xref: TID:258  
xref: TID:425  
is\_a: CO\_041:0000011 ! soil property

[Term]

id: CO\_041:0000613  
name: amount of exchangeable potassium  
def: "Amount of exchangeable potassium in soil." [IRRI:SES]  
subset: soil properties  
synonym: "exchangeable potassium" RELATED []  
xref: TID:259  
is\_a: CO\_041:0000048 ! amount of particle in soil

[Term]

id: CO\_041:0000614  
 name: amount of bray phosphorous  
 def: "Amount of bray phosphorous in soil." [IRRI:SES]  
 subset: soil properties  
 synonym: "BPHOS" EXACT []  
 synonym: "bray phosphorus" RELATED []  
 xref: TID:260  
 is\_a: CO\_041:0000048 ! amount of particle in soil

[Term]

id: CO\_041:0000615  
 name: amount of active manganese  
 def: "Amount of active manganese in soil." [IRRI:SES]  
 subset: soil properties  
 synonym: "active manganese" RELATED []  
 xref: TID:261  
 is\_a: CO\_041:0000048 ! amount of particle in soil

[Term]

id: CO\_041:0000616  
 name: amount of active iron  
 def: "Amount of active iron in soil." [IRRI:SES]  
 subset: soil properties  
 synonym: "active iron" RELATED []  
 xref: TID:262  
 is\_a: CO\_041:0000048 ! amount of particle in soil

[Term]

id: CO\_041:0000617  
 name: jarosite depth  
 def: "Depth at which jarosite occurs for acid sulfate soils."  
 [IRRI:SES]  
 subset: soil properties  
 synonym: "jarosite\_depth" RELATED []  
 xref: TID:263  
 xref: TID:433  
 is\_a: CO\_041:0000011 ! soil property

[Term]

id: CO\_041:0000618  
 name: pyrite depth  
 def: "Depth at which pyrite occurs for acid sulfate soils." [IRRI:SES]  
 subset: soil properties  
 synonym: "pyrite\_depth" RELATED []  
 xref: TID:264  
 xref: TID:434  
 is\_a: CO\_041:0000011 ! soil property

[Term]

id: CO\_041:0000651  
 name: straight head disease resistance

def: "A physiological disease resulting in malformed panicles."

[IRRI:SES]

synonym: "STRTHD" EXACT []

xref: TID:337

is\_a: CO\_041:0000004 ! disease resistance

[Term]

id: CO\_041:0001001

name: fertile panicle

subset: agronomic

xref: TID:137

is\_a: CO\_041:0000039 ! fertility related trait

[Term]

id: CO\_041:0001002

name: grain filling

subset: agronomic

synonym: "filled grain" RELATED []

xref: TID:135

xref: TID:169

is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001003

name: grain yield

def: "Weight of harvested grain expressed as tons/ha with a moisture content of 14%." [IRRI:SES]

subset: agronomic

synonym: "yield (grain)" RELATED []

synonym: "YLD" EXACT []

xref: TID:165

xref: TID:17

xref: TO:0000396

is\_a: CO\_041:0000040 ! yield trait

[Term]

id: CO\_041:0001004

name: panicle exertion

def: "Degree of emergence of the panicle from the flag leaf sheath."

[IRRI:SES]

subset: agronomic

synonym: "EXS" EXACT []

xref: TID:15

xref: TO:0000165

is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001005

name: phenotypic acceptability

def: "Overall acceptability of breeding lines or populations."

[IRRI:SES]

subset: agronomic

synonym: "PACP" EXACT []  
 synonym: "phenotypic acceptability" RELATED []  
 xref: TID:16  
 xref: TID:437  
 xref: TO:0000322  
 is\_a: CO\_041:0000001 ! agronomic trait

[Term]  
 id: CO\_041:0001006  
 name: plant height  
 def: "The height of a seedling from the base of the shoot to the tip of the tallest leaf blade." [IRRI:SES]  
 subset: agronomic  
 synonym: "PLHT" EXACT []  
 synonym: "SDHT" RELATED []  
 synonym: "seedling height" RELATED []  
 xref: TID:11  
 xref: TID:287  
 xref: TO:0000207  
 is\_a: CO\_041:0000001 ! agronomic trait

[Term]  
 id: CO\_041:0001007  
 name: vigor  
 def: "Also Plant Vigor, Seedling Vigor, Germination Vigor." [IRRI:SES]  
 subset: agronomic  
 synonym: "germination vigor" RELATED []  
 synonym: "GRVG" RELATED []  
 synonym: "plant vigor" RELATED []  
 synonym: "PLVG" RELATED []  
 synonym: "SDVG" RELATED []  
 synonym: "seedling vigor" RELATED []  
 synonym: "VG" EXACT []  
 xref: TID:164  
 xref: TID:222  
 xref: TID:72  
 xref: TID:8  
 xref: TO:0000296  
 is\_a: CO\_041:0000001 ! agronomic trait

[Term]  
 id: CO\_041:0001008  
 name: threshability  
 def: "Separation of grains from the panicle. Also Panicle Threshability, Leaf Shattering." [IRRI:SES]  
 subset: agronomic  
 synonym: "leaf shattering" RELATED []  
 synonym: "panicle threshability" RELATED []  
 synonym: "PNTHR" RELATED []  
 synonym: "SHAT" RELATED []  
 synonym: "THR" EXACT []  
 xref: TID:14

xref: TID:187  
 xref: TID:231  
 xref: TO:0000406  
 is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001009  
 name: tillering ability  
 def: "Count of the total number of tillers after full heading."  
 [IRRI:SES]  
 subset: agronomic  
 synonym: "CMN" RELATED []  
 synonym: "culm number" RELATED []  
 synonym: "TI" EXACT []  
 synonym: "tiller number" RELATED []  
 synonym: "TN" RELATED []  
 xref: TID:12  
 xref: TID:230  
 xref: TID:296  
 xref: TO:0000329  
 is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001010  
 name: lodging incidence  
 def: "Standing position of plants at maturity." [IRRI:SES]  
 subset: agronomic  
 synonym: "LG" EXACT []  
 xref: TID:13  
 xref: TO:0000068  
 is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001011  
 name: heterosis in F1 hybrid  
 subset: agronomic  
 xref: TID:174  
 xref: TO:0000355  
 is\_a: CO\_041:0000040 ! yield trait

[Term]

id: CO\_041:0001012  
 name: maturity  
 subset: agronomic  
 synonym: "days to maturity" RELATED []  
 synonym: "DTM" RELATED []  
 synonym: "MAT" EXACT []  
 xref: TID:10  
 xref: TID:147  
 xref: TO:0000469  
 is\_a: CO\_041:0000001 ! agronomic trait

[Term]  
 id: CO\_041:0001013  
 name: flowering  
 def: "Days from emergence to flowering." [IRRI:SES]  
 subset: agronomic  
 synonym: "days to flower" RELATED []  
 synonym: "DTF" RELATED []  
 synonym: "FLW" EXACT []  
 xref: TID:146  
 xref: TID:9  
 xref: TO:0000344  
 is\_a: CO\_041:0000001 ! agronomic trait

[Term]  
 id: CO\_041:0001014  
 name: culm strength  
 subset: agronomic  
 synonym: "CMST" EXACT []  
 xref: TID:179  
 xref: TO:0000051  
 is\_a: CO\_041:0000001 ! agronomic trait  
 is\_a: CO\_041:0000026 ! culm related trait

[Term]  
 id: CO\_041:0001015  
 name: leaf senescence  
 def: "Change in color from green to yellow or brown due to a reduction of metabolic activities in the plant preceding the death of the plant." [IRRI:SES]  
 subset: agronomic  
 synonym: "SEN" EXACT []  
 xref: TID:184  
 xref: TO:0000249  
 is\_a: CO\_041:0000001 ! agronomic trait  
 is\_a: CO\_041:0000027 ! leaf related trait

[Term]  
 id: CO\_041:0001016  
 name: germination  
 alt\_id: CO\_041:0001031  
 def: "The ability of seeds to germinate under favorable conditions and develop normal seedlings." [IRRI:SES]  
 subset: agronomic  
 synonym: "SDVIA" RELATED []  
 synonym: "seed viability" RELATED []  
 xref: GO:0009844  
 xref: TID:18  
 xref: TID:342  
 is\_a: CO\_041:0000001 ! agronomic trait

[Term]  
 id: CO\_041:0001017

name: growth stage  
def: "Growth stage of plant." [IRRI:SES]  
subset: agronomic  
xref: TID:78  
is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001019  
name: heading  
subset: agronomic  
synonym: "days to heading" RELATED []  
synonym: "DTH" RELATED []  
synonym: "HEAD" EXACT []  
xref: TID:223  
xref: TID:224  
xref: TO:0000137  
is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001020  
name: biomass yield  
subset: agronomic  
synonym: "biomass" RELATED []  
synonym: "YLDBIO" EXACT []  
xref: TID:166  
xref: TID:167  
xref: TO:0000327  
is\_a: CO\_041:0000040 ! yield trait

[Term]

id: CO\_041:0001021  
name: spikelet fertility  
subset: agronomic  
synonym: "fertile spikelets" RELATED []  
synonym: "SPFERT" EXACT []  
xref: TID:266  
xref: TID:267  
xref: TO:0000180  
is\_a: CO\_041:0000039 ! fertility related trait

[Term]

id: CO\_041:0001022  
name: male sterility group  
subset: agronomic  
xref: TID:274  
is\_a: CO\_041:0000041 ! sterility related trait

[Term]

id: CO\_041:0001023  
name: abortion pattern  
subset: agronomic  
xref: TID:275

xref: TO:0000218  
is\_a: CO\_041:0000041 ! sterility related trait

[Term]

id: CO\_041:0001024  
name: stigma exertion  
subset: agronomic  
xref: TID:276  
xref: TO:0000044  
is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001025  
name: opening of glume  
subset: agronomic  
xref: TID:277  
xref: TO:0000474  
is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001026  
name: degree of male sterility  
subset: agronomic  
xref: TID:77  
xref: TO:0000346  
is\_a: CO\_041:0000041 ! sterility related trait

[Term]

id: CO\_041:0001027  
name: outcrossing potential  
subset: agronomic  
xref: TID:172  
xref: TO:0000330  
is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001028  
name: fertility  
subset: agronomic  
xref: TID:173  
xref: TO:0000392  
is\_a: CO\_041:0000039 ! fertility related trait

[Term]

id: CO\_041:0001029  
name: fertility restoration in F1 hybrid  
subset: agronomic  
xref: TID:278  
is\_a: CO\_041:0000039 ! fertility related trait

[Term]

id: CO\_041:0001030

name: anthesis  
 def: "Days from effective seeding date until 50% of main tillers show panicles at least partly emerged from boot." [IRRI:SES]  
 subset: agronomic  
 synonym: "ANTH" EXACT []  
 synonym: "days to anthesis" RELATED []  
 synonym: "DTA" RELATED []  
 xref: TID:340  
 xref: TID:341  
 is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001041  
 name: panicle density  
 subset: morphological  
 synonym: "PNDEN" EXACT []  
 xref: TID:351  
 is\_a: CO\_041:0000034 ! panicle related trait

[Term]

id: CO\_041:0001042  
 name: seed shape  
 subset: morphological  
 synonym: "SDSH" EXACT []  
 xref: TID:353  
 is\_a: CO\_041:0000030 ! grain related trait

[Term]

id: CO\_041:0001051  
 name: grain length  
 def: "The distance from the base of the sterile lemma to the tip or spiculus of the lemma or palea." [IRRI:SES]  
 subset: morphological  
 synonym: "GRL" EXACT []  
 xref: TID:23  
 xref: TO:0000146  
 is\_a: CO\_041:0000030 ! grain related trait

[Term]

id: CO\_041:0001052  
 name: grain width  
 def: "The measurement of the grain across the broadest section." [IRRI:SES]  
 subset: morphological  
 synonym: "GRW" EXACT []  
 xref: TID:24  
 xref: TO:0000149  
 is\_a: CO\_041:0000030 ! grain related trait

[Term]

id: CO\_041:0001054  
 name: leaf blade color

subset: morphological  
synonym: "LBC" EXACT []  
xref: TID:75  
xref: TO:0000299  
is\_a: CO\_041:0000029 ! leaf blade related trait

[Term]  
id: CO\_041:0001055  
name: nodal rooting  
def: "Roots developing from the upper nodes when deepwater rice varieties are flooded." [IRRI:SES]  
subset: morphological  
xref: TID:81  
xref: TO:0000404  
is\_a: CO\_041:0000033 ! node related trait

[Term]  
id: CO\_041:0001056  
name: nodal tillering  
def: "Tillers arising from the upper nodes in elongated deepwater rice stems while the field is flooded." [IRRI:SES]  
subset: morphological  
xref: TID:80  
xref: TO:0000285  
is\_a: CO\_041:0000033 ! node related trait

[Term]  
id: CO\_041:0001057  
name: number of panicles  
subset: morphological  
synonym: "panicle number" RELATED []  
xref: TID:122  
xref: TID:144  
xref: TO:0000152  
is\_a: CO\_041:0000034 ! panicle related trait

[Term]  
id: CO\_041:0001058  
name: seed weight  
subset: morphological  
synonym: "SDWT" EXACT []  
xref: TID:138  
xref: TO:0000181  
is\_a: CO\_041:0000030 ! grain related trait

[Term]  
id: CO\_041:0001059  
name: leaf length  
subset: morphological  
synonym: "LL" EXACT []  
xref: TID:286  
xref: TO:0000135

is\_a: CO\_041:0000027 ! leaf related trait

[Term]

id: CO\_041:0001060

name: unfilled grain

def: "Grain that has not filled and matured due to adverse environmental conditions or other factors affecting its development."

[IRRI:SES]

subset: morphological

xref: TID:136

xref: TO:0000028

is\_a: CO\_041:0000030 ! grain related trait

[Term]

id: CO\_041:0001061

name: leaf blade pubescence

subset: morphological

synonym: "LBP" EXACT []

xref: TID:288

xref: TO:0000055

is\_a: CO\_041:0000029 ! leaf blade related trait

[Term]

id: CO\_041:0001062

name: leaf angle

subset: morphological

synonym: "LA" EXACT []

xref: TID:289

xref: TO:0000206

is\_a: CO\_041:0000027 ! leaf related trait

[Term]

id: CO\_041:0001063

name: awning

def: "Degree of awning." [IRRI:SES]

subset: morphological

synonym: "AN" EXACT []

xref: TID:175

xref: TO:0000072

is\_a: CO\_041:0000025 ! awn related trait

[Term]

id: CO\_041:0001064

name: culm internode color

def: "Color of the outer surface of the internodes." [IRRI:SES]

subset: morphological

synonym: "CMIC" EXACT []

xref: TID:178

xref: TO:0000426

is\_a: CO\_041:0000026 ! culm related trait

[Term]

id: CO\_041:0001065  
name: flag leaf angle  
subset: morphological  
synonym: "FLA" EXACT []  
xref: TID:181  
xref: TO:0000124  
is\_a: CO\_041:0000028 ! flag leaf related trait

[Term]  
id: CO\_041:0001066  
name: panicle type  
def: "Panicle classification according to their mode of branching, angle of primary branches, and spikelet fertility." [IRRI:SES]  
subset: morphological  
synonym: "PNT" EXACT []  
xref: TID:182  
xref: TO:0000089  
is\_a: CO\_041:0000034 ! panicle related trait

[Term]  
id: CO\_041:0001067  
name: panicle weight  
subset: morphological  
xref: TID:229  
xref: TO:0000014  
is\_a: CO\_041:0000034 ! panicle related trait

[Term]  
id: CO\_041:0001070  
name: grain thickness  
subset: morphological  
xref: TID:228  
xref: TO:0000304  
is\_a: CO\_041:0000030 ! grain related trait

[Term]  
id: CO\_041:0001071  
name: leaf width  
subset: morphological  
synonym: "LW" EXACT []  
xref: TID:227  
xref: TO:0000370  
is\_a: CO\_041:0000027 ! leaf related trait

[Term]  
id: CO\_041:0001072  
name: stem thickness  
subset: morphological  
xref: TID:226  
xref: TO:0000339  
is\_a: CO\_041:0000026 ! culm related trait

[Term]  
id: CO\_041:0001073  
name: leaf sheath color  
def: "Basal leaf sheath color." [IRRI:SES]  
subset: morphological  
synonym: "basal leaf sheath color" RELATED []  
synonym: "BLSC" RELATED []  
synonym: "LFSC" EXACT []  
xref: TID:225  
xref: TID:248  
xref: TO:0000367  
is\_a: CO\_041:0000027 ! leaf related trait

[Term]  
id: CO\_041:0001074  
name: ligule length  
subset: morphological  
synonym: "LGL" EXACT []  
xref: TID:290  
xref: TO:0000024  
is\_a: CO\_041:0000032 ! ligule related trait

[Term]  
id: CO\_041:0001075  
name: ligule color  
def: "Ligule color." [IRRI:SES]  
subset: morphological  
synonym: "LGC" EXACT []  
xref: TID:291  
xref: TO:0000197  
is\_a: CO\_041:0000032 ! ligule related trait

[Term]  
id: CO\_041:0001076  
name: ligule shape  
subset: morphological  
synonym: "LGS" EXACT []  
xref: TID:292  
xref: TO:0000335  
is\_a: CO\_041:0000032 ! ligule related trait

[Term]  
id: CO\_041:0001077  
name: collar color  
def: "Color of the collar." [IRRI:SES]  
subset: morphological  
synonym: "CC" EXACT []  
xref: TID:293  
xref: TO:0000364  
is\_a: CO\_041:0000027 ! leaf related trait

[Term]

id: CO\_041:0001078  
name: auricle color  
def: "Auricle color." [IRRI:SES]  
subset: morphological  
synonym: "AC" EXACT []  
xref: TID:294  
xref: TO:0000294  
is\_a: CO\_041:0000024 ! auricle related trait

[Term]

id: CO\_041:0001079  
name: culm length  
def: "Length of the rice stem from the base of the plant to the base of the panicle or neck node." [IRRI:SES]  
subset: morphological  
synonym: "CML" EXACT []  
xref: TID:295  
xref: TO:0000309  
is\_a: CO\_041:0000026 ! culm related trait

[Term]

id: CO\_041:0001080  
name: culm angle  
subset: morphological  
synonym: "CMA" EXACT []  
xref: TID:297  
xref: TO:0000427  
is\_a: CO\_041:0000026 ! culm related trait

[Term]

id: CO\_041:0001081  
name: basal internode diameter  
def: "Outer diameter of the culms at the basal portion of the main culm." [IRRI:SES]  
subset: morphological  
synonym: "DBI" EXACT []  
xref: TID:298  
xref: TO:0000132  
is\_a: CO\_041:0000026 ! culm related trait

[Term]

id: CO\_041:0001082  
name: panicle length  
def: "Distance from panicle base to tip." [IRRI:SES]  
subset: morphological  
synonym: "PNL" EXACT []  
xref: TID:299  
xref: TO:0000040  
is\_a: CO\_041:0000034 ! panicle related trait

[Term]

id: CO\_041:0001083

name: secondary branching of panicles  
 alt\_id: CO\_041:0001505  
 def: "The branches that bear the spikelets arising from the primary branch of the panicle." [IRRI:SES]  
 subset: morphological  
 synonym: "PNBR" EXACT []  
 synonym: "secondary branching" RELATED []  
 xref: TID:300  
 xref: TID:435  
 xref: TO:0000142  
 is\_a: CO\_041:0000034 ! panicle related trait

[Term]

id: CO\_041:0001084  
 name: panicle axis  
 alt\_id: CO\_041:0001542  
 def: "The main axis of the panicle from the base to the apex." [IRRI:SES]  
 subset: morphological  
 synonym: "PNAK" EXACT []  
 xref: TID:301  
 xref: TID:398  
 xref: TO:0000342  
 is\_a: CO\_041:0000034 ! panicle related trait

[Term]

id: CO\_041:0001085  
 name: awn color  
 def: "Awn color." [IRRI:SES]  
 subset: morphological  
 synonym: "ANC" EXACT []  
 xref: TID:302  
 xref: TO:0000141  
 is\_a: CO\_041:0000025 ! awn related trait

[Term]

id: CO\_041:0001086  
 name: apiculus color  
 def: "Apiculus color." [IRRI:SES]  
 subset: morphological  
 synonym: "APC" EXACT []  
 xref: TID:303  
 xref: TO:0000140  
 is\_a: CO\_041:0000023 ! apiculus related trait

[Term]

id: CO\_041:0001087  
 name: stigma color  
 subset: morphological  
 synonym: "SGC" EXACT []  
 xref: TID:304  
 xref: TO:0000185

is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001088  
name: lemma and palea color  
def: "Hull color (lemma and palea) when terminal spikelets are ripened. Also Lemma and Palea Color." [IRRI:SES]  
subset: morphological  
synonym: "hull color" RELATED []  
synonym: "LMPC" EXACT []  
xref: TID:305  
xref: TID:333  
xref: TO:0000264  
is\_a: CO\_041:0000031 ! lemma and palea related trait

[Term]

id: CO\_041:0001089  
name: lemma and palea pubescence  
def: "Pubescence of lemma and palea. Also hull cover." [IRRI:SES]  
subset: morphological  
synonym: "hull cover" RELATED []  
synonym: "LMPB" EXACT []  
xref: TID:306  
xref: TID:334  
xref: TO:0000417  
is\_a: CO\_041:0000031 ! lemma and palea related trait

[Term]

id: CO\_041:0001090  
name: sterile lemma color  
def: "Color of sterile lemma - often called outer glumes or bracts at the base of the spikelet." [IRRI:SES]  
subset: morphological  
synonym: "SLMC" EXACT []  
xref: TID:307  
xref: TO:0000400  
is\_a: CO\_041:0000035 ! sterile lemma related trait

[Term]

id: CO\_041:0001091  
name: sterile lemma length  
subset: morphological  
synonym: "SLML" EXACT []  
xref: TID:308  
xref: TO:0000240  
is\_a: CO\_041:0000035 ! sterile lemma related trait

[Term]

id: CO\_041:0001092  
name: lemma and palea structure  
subset: morphological  
xref: TID:323

is\_a: CO\_041:0000031 ! lemma and palea related trait

[Term]

id: CO\_041:0001093

name: panicle structure

subset: morphological

xref: TID:324

is\_a: CO\_041:0000034 ! panicle related trait

[Term]

id: CO\_041:0001094

name: culm structure

subset: morphological

synonym: "CMSR" EXACT []

xref: TID:325

is\_a: CO\_041:0000026 ! culm related trait

[Term]

id: CO\_041:0001095

name: leaf structure

subset: morphological

xref: TID:326

is\_a: CO\_041:0000027 ! leaf related trait

[Term]

id: CO\_041:0001096

name: genetic ratio of morphology

subset: morphological

xref: TID:343

is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001097

name: inheritance of morphology

subset: morphological

synonym: "INMOR" EXACT []

xref: TID:346

is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001098

name: genetic ratio

subset: morphological

synonym: "GR" EXACT []

xref: TID:347

is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001099

name: lesion mimic

subset: morphological

synonym: "LSMM" EXACT []

xref: TID:348  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001100  
name: panicle branch color  
subset: morphological  
synonym: "PNBC" EXACT []  
xref: TID:350  
is\_a: CO\_041:0000034 ! panicle related trait

[Term]

id: CO\_041:0001101  
name: bacterial blight disease resistance  
def: "A disease of rice caused by the bacteria *Xanthomonas campestris* pv. *oryzae*. Also Leaf Blight, Seedling Blight." [IRRI:SES]  
subset: disease resistance  
synonym: "bacterial blight (race 1)" RELATED []  
synonym: "bacterial blight (race 2)" RELATED []  
synonym: "bacterial blight kresek" RELATED []  
synonym: "BB" EXACT []  
synonym: "BB1" RELATED []  
synonym: "BB2" RELATED []  
synonym: "BBK" RELATED []  
synonym: "leaf blight" RELATED []  
synonym: "LFB" RELATED []  
xref: TID:127  
xref: TID:158  
xref: TID:208  
xref: TID:209  
xref: TID:31  
xref: TO:0000175  
is\_a: CO\_041:0000015 ! bacterial disease resistance

[Term]

id: CO\_041:0001102  
name: bacterial leaf streak disease resistance  
def: "Damage from bacterial leaf streak disease, caused by the bacteria *Xanthomonas oryzae* pv. *Oryzicola*." [IRRI:SES]  
subset: disease resistance  
synonym: "BLS" EXACT []  
xref: TID:48  
xref: TO:0000203  
is\_a: CO\_041:0000015 ! bacterial disease resistance

[Term]

id: CO\_041:0001103  
name: black streak dwarf virus resistance  
subset: disease resistance  
xref: TID:85  
xref: TO:0000020  
is\_a: CO\_041:0000014 ! viral disease resistance

[Term]

id: CO\_041:0001104  
 name: leaf blast disease resistance  
 def: "A fungus disease of rice which is characterized by the presence of spindle-shaped lesions, caused by the fungus *Pyricularia oryzae*. Also Blast, Rice Blast." [IRRI:SES]  
 subset: disease resistance  
 synonym: "BL" RELATED []  
 synonym: "blast" RELATED []  
 synonym: "LFBL" EXACT []  
 synonym: "RBL" RELATED []  
 synonym: "rice blast" RELATED []  
 xref: TID:211  
 xref: TID:212  
 xref: TID:30  
 xref: TO:0000468  
 is\_a: CO\_041:0000016 ! fungal disease resistance

[Term]

id: CO\_041:0001105  
 name: brown spot disease resistance  
 def: "A disease of rice caused by the fungus *Helminthosporium oryzae*, with leaf symptoms consisting of brown and oval spots with gray or whitish centers The disease is also observed on the grains." [IRRI:SES]  
 subset: disease resistance  
 synonym: "BS" EXACT []  
 xref: TID:46  
 xref: TO:0000356  
 is\_a: CO\_041:0000016 ! fungal disease resistance

[Term]

id: CO\_041:0001106  
 name: false smut disease resistance  
 def: "A disease caused by the fungus *Ustilaginoidea virens* that transforms individual grains of the panicle into greenish spore balls that have a velvety appearance." [IRRI:SES]  
 subset: disease resistance  
 synonym: "FSM" EXACT []  
 xref: TID:52  
 xref: TO:0000129  
 is\_a: CO\_041:0000016 ! fungal disease resistance

[Term]

id: CO\_041:0001107  
 name: glume discoloration  
 def: "Discoloration of rice grains ranging from black dots to brown or blackish blotches which may cover the entire glume. Also Glume Discoloration." [IRRI:SES]  
 subset: disease resistance  
 synonym: "GD" EXACT []

synonym: "grain discoloration" RELATED []  
 synonym: "GRD" RELATED []  
 xref: TID:282  
 xref: TID:51  
 xref: TO:0000221  
 is\_a: CO\_041:0000004 ! disease resistance

[Term]

id: CO\_041:0001108  
 name: rice grassy stunt virus resistance  
 def: "A viral disease caused by rice grassy stunt virus (RGSV), and transmitted by the brown planthopper *Nilaparvata lugens*." [IRRI:SES]  
 subset: disease resistance  
 synonym: "grassy stunt virus (strain 1)" RELATED []  
 synonym: "grassy stunt virus (strain 2)" RELATED []  
 synonym: "RGSV" EXACT []  
 synonym: "RGSV1" RELATED []  
 synonym: "RGSV2" RELATED []  
 xref: TID:128  
 xref: TID:159  
 xref: TID:34  
 xref: TO:0000213  
 is\_a: CO\_041:0000014 ! viral disease resistance

[Term]

id: CO\_041:0001109  
 name: kernel smut disease resistance  
 def: "A fungal disease that affects the kernels of rice and caused by *Tilletia barclayana*." [IRRI:SES]  
 subset: disease resistance  
 synonym: "KSM" EXACT []  
 xref: TID:53  
 xref: TO:0000048  
 is\_a: CO\_041:0000016 ! fungal disease resistance

[Term]

id: CO\_041:0001110  
 name: leaf scald disease resistance  
 def: "A rice disease caused by the fungus *Gerlachia oryzae* with symptoms consisting of zonate lesions starting from leaf tips or edges." [IRRI:SES]  
 subset: disease resistance  
 synonym: "LSC" EXACT []  
 xref: TID:49  
 xref: TO:0000378  
 is\_a: CO\_041:0000016 ! fungal disease resistance

[Term]

id: CO\_041:0001111  
 name: narrow brown leaf spot disease resistance

def: "A disease of rice caused by the fungus *Cercospora janseana* and *Sphaerulina oryzina* , which produces short, linear, brown lesions, most commonly on the leaves." [IRRI:SES]  
subset: disease resistance  
synonym: "NBL5" EXACT []  
xref: TID:47  
xref: TO:0000422  
is\_a: CO\_041:0000016 ! fungal disease resistance

[Term]

id: CO\_041:0001112  
name: rice ragged stunt virus disease resistance  
def: "A viral disease of rice transmitted by the brown planthopper *Nilaparvata lugens*, characterized by the presence of ragged and twisted leaves, vein swellings, and nodal branches." [IRRI:SES]  
subset: disease resistance  
synonym: "RRSV" EXACT []  
xref: TID:56  
xref: TO:0000386  
is\_a: CO\_041:0000014 ! viral disease resistance

[Term]

id: CO\_041:0001113  
name: rice tungro virus resistance  
def: "A viral disease transmitted by green (*Nephotettix* spp.) and zigzag leafhoppers (*Recilia dorsalis*), characterized by characterized by stunting and reduced tillering and yellowing of leaves." [IRRI:SES]  
subset: disease resistance  
synonym: "RTD" EXACT []  
xref: TID:33  
xref: TO:0000413  
is\_a: CO\_041:0000014 ! viral disease resistance

[Term]

id: CO\_041:0001114  
name: sheath rot disease resistance  
def: "A fungal disease caused by *Acrocyndrium oryzae* Rotting occurs on the uppermost leaf sheaths enclosing the young panicles." [IRRI:SES]  
subset: disease resistance  
synonym: "SHR" EXACT []  
xref: TID:50  
xref: TO:0000086  
is\_a: CO\_041:0000016 ! fungal disease resistance

[Term]

id: CO\_041:0001115  
name: stem rot disease resistance  
def: "A fungal disease characterized by blackish lesions on the leaf sheath, caused by *Magnaporthe salvinii* (*Nakataea sigmoidea*) and *Helminthosporium sigmoideum* var *irregulare*." [IRRI:SES]  
subset: disease resistance

synonym: "SR" EXACT []  
xref: TID:54  
xref: TO:0000323  
is\_a: CO\_041:0000016 ! fungal disease resistance

[Term]

id: CO\_041:0001116  
name: ufra disease resistance  
subset: disease resistance  
synonym: "U" EXACT []  
xref: TID:185  
xref: TO:0000121  
is\_a: CO\_041:0000004 ! disease resistance

[Term]

id: CO\_041:0001117  
name: seedling blight disease resistance  
def: "A rice disease caused by *Sclerotium rolfsii* or *Drechslera oryzae* and characterized by yellowing, wilting, and finally, drying of seedlings in seedbeds." [IRRI:SES]  
subset: disease resistance  
synonym: "SDB" EXACT []  
xref: TID:207  
xref: TO:0000204  
is\_a: CO\_041:0000015 ! bacterial disease resistance

[Term]

id: CO\_041:0001118  
name: sheath blight disease resistance  
def: "A disease caused by the fungus *Rhizoctonia solani* / *Thanatephorus cucumeris* The disease is characterized by ellipsoidal, necrotic lesions occurring initially at the leaf sheaths near the water line." [IRRI:SES]  
subset: disease resistance  
synonym: "SHB" EXACT []  
xref: TID:32  
xref: TO:0000255  
is\_a: CO\_041:0000015 ! bacterial disease resistance

[Term]

id: CO\_041:0001119  
name: neck blast disease resistance  
def: "A form of blast disease where the rice panicle base becomes dark thereby called rotten neck; the panicles may fall over; the symptoms appear also on panicle branches." [IRRI:SES]  
subset: disease resistance  
synonym: "NKB" EXACT []  
synonym: "PB" EXACT []  
xref: TID:210  
xref: TID:233  
xref: TO:0000477  
is\_a: CO\_041:0000016 ! fungal disease resistance

[Term]

id: CO\_041:0001120  
name: leaf smut disease resistance  
subset: disease resistance  
xref: TID:279  
xref: TO:0000203  
is\_a: CO\_041:0000016 ! fungal disease resistance

[Term]

id: CO\_041:0001121  
name: yellow mottle virus resistance  
def: "A disease caused by rice yellow mottle virus transmitted by the adult beetle *Sesselia pusilla* It is characterized by stunting and reduced tillering of the infected rice plant; crinkling, mottling, and yellowish streaking of the leaves; malformation and partial emergence of the panicles and sterility." [IRRI:SES]  
subset: disease resistance  
synonym: "RYMV" EXACT []  
xref: TID:280  
xref: TO:0000088  
is\_a: CO\_041:0000014 ! viral disease resistance

[Term]

id: CO\_041:0001122  
name: rice hoja blanca virus disease resistance  
def: "A viral disease caused by rice hoja blanca virus, transmitted by the planthopper *Sogatodes oryzicola* and the leafhopper *Hortensia similis*, and characterized by stunting, mottled leaves or yellowish stripes on leaves, incompletely exserted panicles, and sterility or absence of flowers." [IRRI:SES]  
subset: disease resistance  
synonym: "RHBV" EXACT []  
xref: TID:281  
xref: TO:0000147  
is\_a: CO\_041:0000014 ! viral disease resistance

[Term]

id: CO\_041:0001123  
name: udbatta disease resistance  
def: "A rice disease caused by *Balansia oryzae-sativae* (*Ephelis pallida* Pat) The panicles emerge as small cylinders covered with white mycelium." [IRRI:SES]  
subset: disease resistance  
synonym: "UDB" EXACT []  
xref: TID:283  
xref: TO:0000045  
is\_a: CO\_041:0000016 ! fungal disease resistance

[Term]

id: CO\_041:0001124  
name: bakanae disease resistance

def: "Damage from bakanae disease, caused by the fungus *Gibberella fujikuroi*, resulting to abnormal elongation of rice plants."

[IRRI:SES]

subset: disease resistance

synonym: "BAK" EXACT []

xref: TID:284

xref: TO:0000418

is\_a: CO\_041:0000016 ! fungal disease resistance

[Term]

id: CO\_041:0001126

name: first blast lesion appearance

def: "First appearance of typical blast lesion." [IRRI:SES]

subset: disease resistance

synonym: "1BLA" EXACT []

xref: TID:332

is\_a: CO\_041:0000004 ! disease resistance

[Term]

id: CO\_041:0001127

name: inheritance of blast resistance

subset: disease resistance

synonym: "INBL" EXACT []

xref: TID:345

is\_a: CO\_041:0000004 ! disease resistance

[Term]

id: CO\_041:0001131

name: FAO designation date

def: "Fao designation date." [IRRI:SES]

subset: passport

synonym: "FAO\_DA" EXACT []

synonym: "fao\_date" RELATED []

xref: TID:373

is\_a: CO\_041:0000036 ! passport related date

[Term]

id: CO\_041:0001132

name: varietal group

alt\_id: CO\_041:0001538

def: "Varietal group." [IRRI:SES]

subset: passport

synonym: "vg" RELATED []

synonym: "VG" EXACT []

xref: TID:367

xref: TID:402

is\_a: CO\_041:0000010 ! passport property

[Term]

id: CO\_041:0001133

name: species

def: "Species." [IRRI:SES]

subset: passport  
synonym: "SPECIES" EXACT []  
xref: TID:355  
is\_a: CO\_041:0000010 ! passport property

[Term]  
id: CO\_041:0001134  
name: mission code  
def: "Mission Code." [IRRI:SES]  
subset: passport  
synonym: "MISCOD" EXACT []  
xref: TID:357  
is\_a: CO\_041:0000010 ! passport property

[Term]  
id: CO\_041:0001135  
name: collection source  
def: "Collection Source." [IRRI:SES]  
subset: passport  
synonym: "COLSRC" EXACT []  
xref: TID:356  
is\_a: CO\_041:0000010 ! passport property

[Term]  
id: CO\_041:0001136  
name: collection date  
def: "Collection Date." [IRRI:SES]  
subset: passport  
synonym: "COLL\_D" EXACT []  
synonym: "coll\_date" RELATED []  
xref: TID:369  
is\_a: CO\_041:0000036 ! passport related date

[Term]  
id: CO\_041:0001137  
name: acquisition date  
def: "Acquisition date." [IRRI:SES]  
subset: passport  
synonym: "ACQ\_DA" EXACT []  
synonym: "acq\_date" RELATED []  
xref: TID:368  
is\_a: CO\_041:0000036 ! passport related date

[Term]  
id: CO\_041:0001138  
name: source station  
def: "Source station." [IRRI:SES]  
subset: passport  
synonym: "SS\_STA" EXACT []  
synonym: "ss\_station" RELATED []  
xref: TID:361  
is\_a: CO\_041:0000010 ! passport property

[Term]  
 id: CO\_041:0001139  
 name: sample status  
 def: "Status of sample." [IRRI:SES]  
 subset: passport  
 synonym: "SAMPLE" EXACT []  
 synonym: "sample\_stat" RELATED []  
 synonym: "sample\_stat\_oth" RELATED []  
 xref: TID:383  
 is\_a: CO\_041:0000037 ! sample property

[Term]  
 id: CO\_041:0001140  
 name: sample type  
 def: "Type of sample." [IRRI:SES]  
 subset: passport  
 synonym: "SAMPLE" EXACT []  
 synonym: "sample\_type" RELATED []  
 xref: TID:384  
 is\_a: CO\_041:0000037 ! sample property

[Term]  
 id: CO\_041:0001141  
 name: taxonomy  
 def: "Taxonomy." [IRRI:SES]  
 subset: passport  
 synonym: "taxno" RELATED []  
 synonym: "TAXNO" EXACT []  
 xref: TID:362  
 is\_a: CO\_041:0000010 ! passport property

[Term]  
 id: CO\_041:0001142  
 name: sender  
 def: "Sender's name." [IRRI:SES]  
 subset: passport  
 synonym: "SENDER" EXACT []  
 synonym: "sender\_fname" RELATED []  
 synonym: "sender\_lname" RELATED []  
 xref: TID:389  
 is\_a: CO\_041:0000010 ! passport property

[Term]  
 id: CO\_041:0001143  
 name: usage  
 def: "Usage of variety collected." [IRRI:SES]  
 subset: passport  
 synonym: "USAGE" EXACT []  
 xref: TID:364  
 is\_a: CO\_041:0000010 ! passport property

[Term]  
 id: CO\_041:0001144  
 name: variety or line type  
 def: "Classification of o. sativa samples." [IRRI:SES]  
 subset: passport  
 synonym: "VARLIN" EXACT []  
 synonym: "varline\_type" RELATED []  
 xref: TID:365  
 is\_a: CO\_041:0000010 ! passport property

[Term]  
 id: CO\_041:0001145  
 name: varietal sample  
 subset: passport  
 synonym: "VAR\_SA" EXACT []  
 synonym: "var\_samp" RELATED []  
 xref: TID:358  
 xref: TID:366  
 is\_a: CO\_041:0000010 ! passport property

[Term]  
 id: CO\_041:0001146  
 name: sample origin  
 def: "Sample origin." [IRRI:SES]  
 subset: passport  
 synonym: "SAMP\_O" EXACT []  
 synonym: "samp\_orig" RELATED []  
 xref: TID:387  
 is\_a: CO\_041:0000037 ! sample property

[Term]  
 id: CO\_041:0001147  
 name: breeding system  
 def: "Breeding system." [IRRI:SES]  
 subset: passport  
 synonym: "BREEDS" EXACT []  
 synonym: "breedsys" RELATED []  
 xref: TID:359  
 is\_a: CO\_041:0000010 ! passport property

[Term]  
 id: CO\_041:0001148  
 name: special remark  
 def: "Special characteristics." [IRRI:SES]  
 subset: passport  
 synonym: "REM\_SP" EXACT []  
 synonym: "rem\_special" RELATED []  
 xref: TID:381  
 is\_a: CO\_041:0000038 ! passport related remark

[Term]  
 id: CO\_041:0001149

name: grower  
 def: "Grower's name." [IRRI:SES]  
 subset: passport  
 synonym: "GROWER" EXACT []  
 xref: TID:375  
 is\_a: CO\_041:0000010 ! passport property

[Term]

id: CO\_041:0001151  
 name: armyworm resistance  
 def: "Damage to rice crop caused by the larva of the armyworm (family Noctuidae)." [IRRI:SES]  
 subset: insect and pest resistance  
 xref: TID:62  
 xref: TO:0000273  
 is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001152  
 name: brown planthopper resistance  
 def: "An insect (*Nilaparvata lugens*) that causes burnt-like appearance on rice when in large numbers. Also Brown Planthopper Damage." [IRRI:SES]  
 subset: insect and pest resistance  
 synonym: "BPH" EXACT []  
 synonym: "BPH1" RELATED []  
 synonym: "BPH2" RELATED []  
 synonym: "BPH3" RELATED []  
 synonym: "BPHDAM" RELATED []  
 synonym: "brown planthopper (biotype 1)" RELATED []  
 synonym: "brown planthopper (biotype 2)" RELATED []  
 synonym: "brown planthopper (biotype 3)" RELATED []  
 synonym: "brown planthopper damage" RELATED []  
 xref: TID:118  
 xref: TID:119  
 xref: TID:157  
 xref: TID:249  
 xref: TID:26  
 xref: TO:0000424  
 is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001153  
 name: caseworm resistance  
 def: "Damage to rice crop caused by caseworm (*Nymphula depunctalis*)."  
 [IRRI:SES]  
 subset: insect and pest resistance  
 synonym: "CW" EXACT []  
 xref: TID:61  
 xref: TO:0000405  
 is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001154  
name: cutworm resistance  
def: "A pest (*Spodoptera litura*) primarily of upland rice whose young caterpillar eat on the leaves and mature larvae eat the entire plant, thus cutting seedlings at the base." [IRRI:SES]  
subset: insect and pest resistance  
xref: TID:63  
xref: TO:0000317  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001155  
name: gall midge resistance  
def: "An insect pest (*Orseolia oryzae*) that causes the youngest leaf or the shoot in a tiller to appear as light-colored tubular gall resembling an onion leaf." [IRRI:SES]  
subset: insect and pest resistance  
synonym: "GM" EXACT []  
xref: TID:59  
xref: TO:0000423  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001156  
name: green leafhopper resistance  
def: "A rice pest, *Nephotettix* spp, prevalent in Asia that can cause hopperburn and also pronounced yellowing and stunting, by transmitting the yellow dwarf virus and tungro diseases in rice." [IRRI:SES]  
subset: insect and pest resistance  
synonym: "GLH" EXACT []  
xref: TID:27  
xref: TO:0000212  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001157  
name: leaf folder resistance  
def: "The damage is caused by the larvae of the insect *Cnaphalocrocis medinalis* Guenee, which fold the leaf blades into a tubular shape and feed on green leaf tissue within the tubular structures." [IRRI:SES]  
subset: insect and pest resistance  
synonym: "LF" EXACT []  
xref: TID:64  
xref: TO:0000403  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001158  
name: leaf roller resistance  
subset: insect and pest resistance  
xref: TID:68

xref: TO:0000192  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001159  
name: rice bug resistance  
def: "Damage caused by rice bug (*Leptocorisa oratorius* (F.))."  
[IRRI:SES]  
subset: insect and pest resistance  
synonym: "RB" EXACT []  
xref: TID:66  
xref: TO:0000220  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001160  
name: rice hispa resistance  
def: "Damage caused by the beetle of the species *Di cladispa* (*Hispa*)  
*armigera*, characterized by narrow white areas on the leaf." [IRRI:SES]  
subset: insect and pest resistance  
xref: TID:69  
xref: TO:0000191  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001161  
name: rice skipper resistance  
subset: insect and pest resistance  
xref: TID:67  
xref: TO:0000151  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001162  
name: rice whorl maggot resistance  
def: "Damage from the maggots of the insect *Hydrellia* sp that feed on  
the unopened whorl of the leaf by remaining in the center of the whorl  
and nibbling the innermost margin of the leaf." [IRRI:SES]  
subset: insect and pest resistance  
synonym: "RWM" EXACT []  
xref: TID:60  
xref: TO:0000332  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001163  
name: sogatodes resistance  
subset: insect and pest resistance  
xref: TID:71  
xref: TO:0000348  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001164  
 name: stemborer resistance  
 def: "Damage to rice crop caused by any of the stemborer species. Also Stemborer Damage." [IRRI:SES]  
 subset: insect and pest resistance  
 synonym: "SB" RELATED []  
 synonym: "SBD" EXACT []  
 synonym: "SBDH" RELATED []  
 synonym: "SBWH" RELATED []  
 synonym: "stemborer" RELATED []  
 synonym: "stemborer deadheart" RELATED []  
 synonym: "stemborer whitehead" RELATED []  
 synonym: "striped stemborer" RELATED []  
 synonym: "STRSB" RELATED []  
 synonym: "yellow stemborer" RELATED []  
 synonym: "YELSB" RELATED []  
 xref: TID:168  
 xref: TID:250  
 xref: TID:29  
 xref: TID:55  
 xref: TID:57  
 xref: TID:58  
 xref: TO:0000454  
 is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001165  
 name: stink bug resistance  
 def: "Damage caused by the stink bug (*Nezara viridula* - Southern green stink bug)." [IRRI:SES]  
 subset: insect and pest resistance  
 xref: TID:65  
 xref: TO:0000022  
 is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001166  
 name: thrips resistance  
 subset: insect and pest resistance  
 xref: TID:70  
 xref: TO:0000154  
 is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001167  
 name: white-backed planthopper resistance  
 subset: insect and pest resistance  
 synonym: "WBPH" EXACT []  
 xref: TID:28  
 xref: TO:0000205  
 is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001168  
name: zigzag leafhopper resistance  
subset: insect and pest resistance  
xref: TID:86  
xref: TO:000082  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001169  
name: bird damage resistance  
def: "Damage to rice crops caused by birds." [IRRI:SES]  
subset: insect and pest resistance  
synonym: "BD" EXACT []  
xref: TID:176  
xref: TO:0000260  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001170  
name: rat damage resistance  
def: "Damage to rice crops caused by rats." [IRRI:SES]  
subset: insect and pest resistance  
synonym: "RD" EXACT []  
xref: TID:183  
xref: TO:0000117  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001171  
name: planthopper resistance  
def: "Damage caused by an insect of the order Homoptera, family Delphacidae, which feeds by sucking sap from leaf veins along the lower portion of the rice plant." [IRRI:SES]  
subset: insect and pest resistance  
xref: TID:232  
xref: TO:0000380  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001172  
name: rice delphacid resistance  
def: "Damage caused by the rice delphacid (*Sogatodes oryzae*), which is also the principal vector of hoja blanca or white leaf virus." [IRRI:SES]  
subset: insect and pest resistance  
synonym: "RDEL" EXACT []  
xref: TID:285  
xref: TO:0000246  
is\_a: CO\_041:0000021 ! animal damage resistance

[Term]

id: CO\_041:0001201  
name: acid tolerance  
def: "Degree of tolerance to acid sulfate soils." [IRRI:SES]  
subset: stress  
xref: TID:83  
xref: TO:0000178  
is\_a: CO\_041:0000017 ! physicochemical stress trait

[Term]

id: CO\_041:0001202  
name: alkali tolerance  
def: "Condition characterized by discoloration of the leaves ranging from white to reddish brown strating from the leaf tips. Also Alkali Tolerance." [IRRI:SES]  
subset: stress  
synonym: "ALK" RELATED []  
synonym: "alkali injury" RELATED []  
synonym: "ALKTOL" EXACT []  
xref: TID:313  
xref: TID:39  
xref: TO:0000003  
is\_a: CO\_041:0000017 ! physicochemical stress trait

[Term]

id: CO\_041:0001203  
name: aluminum toxicity  
def: "Condition caused by excess water-soluble and exchangeable aluminum." [IRRI:SES]  
subset: stress  
xref: TID:84  
xref: TO:0000354  
is\_a: CO\_041:0000017 ! physicochemical stress trait

[Term]

id: CO\_041:0001204  
name: cold tolerance  
def: "Ability of a plant to grow and develop normally under cold conditions." [IRRI:SES]  
subset: stress  
synonym: "CTOL" EXACT []  
xref: TID:35  
xref: TO:0000303  
is\_a: CO\_041:0000018 ! temperature stress trait

[Term]

id: CO\_041:0001205  
name: drought recovery  
alt\_id: CO\_041:0001566  
def: "The ability of plant to resume normal growth upon alleviation of drought." [IRRI:SES]  
subset: stress

synonym: "drought recovery (2nd stress drought)" RELATED []  
 synonym: "drought recovery (9-10 bars)" RELATED []  
 synonym: "DRR" EXACT []  
 synonym: "DRR2S" RELATED []  
 synonym: "DRR910" RELATED []  
 synonym: "seedling recovery" RELATED []  
 xref: TID:120  
 xref: TID:126  
 xref: TID:436  
 xref: TID:76  
 xref: TO:0000458  
 is\_a: CO\_041:0000019 ! drought stress trait

## [Term]

id: CO\_041:0001206  
 name: drought resistance  
 subset: stress  
 synonym: "drought resistance (early vegetative stage)" RELATED []  
 synonym: "drought resistance (late vegetative stage)" RELATED []  
 synonym: "reproductive stage" RELATED []  
 xref: TID:121  
 xref: TID:123  
 xref: TID:170  
 xref: TID:37  
 is\_a: CO\_041:0000019 ! drought stress trait

## [Term]

id: CO\_041:0001208  
 name: drought sensitivity  
 def: "A total expression of the plant's ability to stay alive, grow, and ultimately produce grain, with part of its life cycle under water stress." [IRRI:SES]  
 subset: stress  
 synonym: "drought tolerance" RELATED []  
 synonym: "drought tolerance (3-4 bars)" RELATED []  
 synonym: "drought tolerance (9-10 bars)" RELATED []  
 synonym: "DRS" EXACT []  
 synonym: "DRT" RELATED []  
 synonym: "DRT34" RELATED []  
 synonym: "DRT910" RELATED []  
 xref: TID:124  
 xref: TID:125  
 xref: TID:149  
 xref: TID:171  
 xref: TO:0000188  
 is\_a: CO\_041:0000019 ! drought stress trait

## [Term]

id: CO\_041:0001209  
 name: elongation ability  
 def: "Increase in length of internodes of deepwater rice in response to flooding." [IRRI:SES]

subset: stress  
 synonym: "ELON" EXACT []  
 synonym: "stem elongation" RELATED []  
 xref: TID:161  
 xref: TID:43  
 xref: TO:0000170  
 is\_a: CO\_041:0000020 ! deepwater stress trait

[Term]  
 id: CO\_041:0001210  
 name: heat tolerance  
 subset: stress  
 synonym: "HTOL" EXACT []  
 xref: TID:74  
 xref: TO:0000259  
 is\_a: CO\_041:0000018 ! temperature stress trait

[Term]  
 id: CO\_041:0001211  
 name: iron toxicity  
 def: "Condition caused by a high iron content in flooded acid soils."  
 [IRRI:SES]  
 subset: stress  
 synonym: "FETOX" EXACT []  
 xref: TID:40  
 xref: TO:0000224  
 is\_a: CO\_041:0000017 ! physicochemical stress trait

[Term]  
 id: CO\_041:0001212  
 name: kneeling ability  
 subset: stress  
 synonym: "KNA" EXACT []  
 xref: TID:79  
 xref: TO:0000337  
 is\_a: CO\_041:0000020 ! deepwater stress trait

[Term]  
 id: CO\_041:0001213  
 name: phosphorus deficiency  
 subset: stress  
 synonym: "PDEF" EXACT []  
 xref: TID:42  
 xref: TO:0000102  
 is\_a: CO\_041:0000017 ! physicochemical stress trait

[Term]  
 id: CO\_041:0001214  
 name: salt tolerance  
 alt\_id: CO\_041:0001564

def: "Ability of a plant to maintain productivity as salinity increases beyond and EC of 4 dS/m. Also Salt Tolerance, Salinity Tolerance." [IRRI:SES]

subset: stress

synonym: "SAL" RELATED []

synonym: "salinity" RELATED []

synonym: "salinity or alkalinity tolerance" RELATED []

synonym: "salinity tolerance" RELATED []

synonym: "salt injury" RELATED []

synonym: "SALTOL" EXACT []

xref: TID:314

xref: TID:38

xref: TID:435

xref: TID:438

xref: TID:91

xref: TO:0000429

is\_a: CO\_041:0000017 ! physicochemical stress trait

[Term]

id: CO\_041:0001215

name: submergence tolerance

def: "Ability of a rice plant to survive after being completely under water from a flash flood." [IRRI:SES]

subset: stress

synonym: "SUB" EXACT []

xref: TID:36

xref: TO:0000286

is\_a: CO\_041:0000020 ! deepwater stress trait

[Term]

id: CO\_041:0001216

name: survival ability of plant

subset: stress

xref: TID:82

is\_a: CO\_041:0000012 ! stress trait

[Term]

id: CO\_041:0001217

name: zinc deficiency

def: "Condition caused by insufficient zinc in the plant tissue, causing the midribs of the young rice leaves to become chlorotic especially at the base, occurrence of brown blotches and streaks in the lower leaves, growth stunting, reduced tillering, reduced size of leaf blade, and uneven growth." [IRRI:SES]

subset: stress

synonym: "ZDEF" EXACT []

xref: TID:41

xref: TO:0000351

is\_a: CO\_041:0000017 ! physicochemical stress trait

[Term]

id: CO\_041:0001251

name: amylose content of grain  
def: "Amylose content of grain." [IRRI:SES]  
subset: grain quality  
synonym: "AMY" EXACT []  
xref: TID:20  
xref: TO:0000196  
is\_a: CO\_041:0000006 ! grain quality

[Term]

id: CO\_041:0001252  
name: aroma of cooked rice  
def: "Aroma of rice, by cooking test." [IRRI:SES]  
subset: grain quality  
synonym: "scent" RELATED []  
synonym: "SCT" RELATED []  
xref: TID:129  
xref: TID:317  
xref: TO:0000087  
is\_a: CO\_041:0000006 ! grain quality

[Term]

id: CO\_041:0001253  
name: chalkiness of endosperm  
def: "Degree of white color (as in chalk) and brittleness of the surface and cross section of the endosperm." [IRRI:SES]  
subset: grain quality  
synonym: "CLK" EXACT []  
xref: TID:25  
xref: TO:0000266  
is\_a: CO\_041:0000006 ! grain quality

[Term]

id: CO\_041:0001254  
name: grain elongation  
subset: grain quality  
synonym: "elongation (grain)" RELATED []  
xref: TID:130  
xref: TID:162  
xref: TO:0000377  
is\_a: CO\_041:0000006 ! grain quality

[Term]

id: CO\_041:0001255  
name: gel consistency  
def: "Degree of rice gel firmness." [IRRI:SES]  
subset: grain quality  
synonym: "GELC" EXACT []  
xref: TID:22  
xref: TO:0000211  
is\_a: CO\_041:0000006 ! grain quality

[Term]

id: CO\_041:0001256  
name: gelatinization temperature  
def: "Gelatinization temperature." [IRRI:SES]  
subset: grain quality  
synonym: "GELT" EXACT []  
xref: TID:21  
xref: TO:0000462  
is\_a: CO\_041:0000006 ! grain quality

[Term]

id: CO\_041:0001257  
name: head rice  
def: "The whole grains of milled rice that can be obtained from a given quantity of clean rough rice (paddy)." [IRRI:SES]  
subset: grain quality  
synonym: "HDR" EXACT []  
xref: TID:109  
xref: TO:0000222  
is\_a: CO\_041:0000006 ! grain quality

[Term]

id: CO\_041:0001258  
name: brown rice shape  
def: "Shape expressed as length/width ratio for brown (dehulled) rice. Also Brown Rice Shape." [IRRI:SES]  
subset: grain quality  
synonym: "BRLWR" RELATED []  
synonym: "brown rice length-width ratio" RELATED []  
synonym: "BRS" EXACT []  
synonym: "kernel length/width ratio" RELATED []  
synonym: "KLWR" RELATED []  
xref: TID:177  
xref: TID:309  
xref: TID:335  
xref: TO:0000287  
is\_a: CO\_041:0000047 ! brown rice quality

[Term]

id: CO\_041:0001259  
name: brown rice length  
def: "Length of kernel for brown (dehulled) rice. Also length of kernel." [IRRI:SES]  
subset: grain quality  
synonym: "KLEN" RELATED []  
synonym: "LEN" EXACT []  
synonym: "length of kernel" RELATED []  
xref: TID:180  
xref: TID:336  
xref: TO:0000041  
is\_a: CO\_041:0000047 ! brown rice quality

[Term]

id: CO\_041:0001260  
name: brown rice protein  
def: "Protein content of brown (dehulled) rice. Also Protein Content."  
[IRRI:SES]  
subset: grain quality  
synonym: "protein content" RELATED []  
synonym: "PRT" EXACT []  
xref: TID:186  
xref: TID:19  
xref: TO:0000138  
is\_a: CO\_041:0000047 ! brown rice quality

[Term]

id: CO\_041:0001261  
name: milled rice  
def: "Rice from which the hull and bran have been removed." [IRRI:SES]  
subset: grain quality  
xref: TID:110  
xref: TO:0000144  
is\_a: CO\_041:0000006 ! grain quality

[Term]

id: CO\_041:0001262  
name: endosperm type  
def: "Type of endosperm." [IRRI:SES]  
subset: grain quality  
synonym: "END" EXACT []  
xref: TID:221  
xref: TO:0000150  
is\_a: CO\_041:0000006 ! grain quality

[Term]

id: CO\_041:0001263  
name: moisture of grain  
subset: grain quality  
synonym: "moisture (grain)" RELATED []  
xref: TID:216  
xref: TID:217  
xref: TO:0000057  
is\_a: CO\_041:0000006 ! grain quality

[Term]

id: CO\_041:0001264  
name: grain weight  
def: "The weight of the grain recorded as grams per 1,000 grains. Also 1000-Grain Weight." [IRRI:SES]  
subset: agronomic  
subset: grain quality  
synonym: "100-grain weight" RELATED []  
synonym: "1000-grain weight" RELATED []  
synonym: "1000GW" RELATED []  
synonym: "100GW" RELATED []

synonym: "GW" EXACT []  
 xref: TID:215  
 xref: TID:315  
 xref: TID:316  
 xref: TO:0000181  
 is\_a: CO\_041:0000001 ! agronomic trait  
 is\_a: CO\_041:0000006 ! grain quality  
 is\_a: CO\_041:0000030 ! grain related trait

[Term]  
 id: CO\_041:0001265  
 name: grain size  
 def: "The dimensions and weight of the grain." [IRRI:SES]  
 subset: morphological  
 xref: TID:214  
 xref: TO:0000391  
 is\_a: CO\_041:0000030 ! grain related trait

[Term]  
 id: CO\_041:0001266  
 name: seed coat color  
 def: "Color of seed coat (bran/pericarp) when fully mature and dry. Also Seed Coat Color." [IRRI:SES]  
 subset: grain quality  
 synonym: "bran color" RELATED []  
 synonym: "BRC" EXACT []  
 synonym: "SCC" RELATED []  
 xref: TID:310  
 xref: TID:311  
 xref: TO:0000190  
 is\_a: CO\_041:0000006 ! grain quality

[Term]  
 id: CO\_041:0001267  
 name: alkali digestion  
 subset: grain quality  
 synonym: "ALKD" EXACT []  
 xref: TID:312  
 xref: TO:0000134  
 is\_a: CO\_041:0000006 ! grain quality

[Term]  
 id: CO\_041:0001268  
 name: brown rice width  
 def: "Width of kernel for brown (dehulled) rice. Also Brown Rice Width." [IRRI:SES]  
 subset: grain quality  
 synonym: "KWID" RELATED []  
 synonym: "WID" EXACT []  
 synonym: "width of kernel" RELATED []  
 xref: TID:338  
 xref: TID:339

is\_a: CO\_041:0000047 ! brown rice quality

[Term]

id: CO\_041:0001400  
name: sample status remark  
def: "Remark on sample status." [IRRI:SES]  
subset: passport  
synonym: "REM\_SA" EXACT []  
synonym: "rem\_sample\_stat" RELATED []  
xref: TID:380  
is\_a: CO\_041:0000037 ! sample property  
is\_a: CO\_041:0000038 ! passport related remark

[Term]

id: CO\_041:0001401  
name: other remark  
def: "Other observations of the collector." [IRRI:SES]  
subset: passport  
synonym: "REM\_OT" EXACT []  
synonym: "rem\_other" RELATED []  
xref: TID:379  
is\_a: CO\_041:0000038 ! passport related remark

[Term]

id: CO\_041:0001402  
name: FAO remark  
def: "Fao remarks." [IRRI:SES]  
subset: passport  
synonym: "FAO\_RE" EXACT []  
synonym: "fao\_remarks" RELATED []  
xref: TID:374  
is\_a: CO\_041:0000038 ! passport related remark

[Term]

id: CO\_041:0001403  
name: sampling method  
def: "Sampling method." [IRRI:SES]  
subset: passport  
synonym: "SAMP\_M" EXACT []  
synonym: "samp\_method" RELATED []  
synonym: "samp\_method\_sp" RELATED []  
xref: TID:386  
is\_a: CO\_041:0000037 ! sample property

[Term]

id: CO\_041:0001404  
name: MLS designation date  
def: "Multi-Lateral System designation date." [IRRI:SES]  
subset: passport  
synonym: "MLS\_DA" EXACT []  
synonym: "mls\_date" RELATED []  
xref: TID:377

is\_a: CO\_041:0000036 ! passport related date

[Term]

id: CO\_041:0001500

name: seed stock

synonym: "STOCK" EXACT []

xref: TID:354

is\_a: CO\_041:0000013 ! inventory property

[Term]

id: CO\_041:0001501

name: sterile lemma texture

xref: TID:439

is\_a: CO\_041:0000035 ! sterile lemma related trait

[Term]

id: CO\_041:0001502

name: sterile lemma shape

xref: TID:438

is\_a: CO\_041:0000035 ! sterile lemma related trait

[Term]

id: CO\_041:0001503

name: sterile lemma apex

xref: TID:437

is\_a: CO\_041:0000035 ! sterile lemma related trait

[Term]

id: CO\_041:0001504

name: sheath pulvinus

xref: TID:436

is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001506

name: rhizome formation

xref: TID:434

is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001507

name: rachilla shape

xref: TID:433

is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001508

name: pedicel presence

xref: TID:432

is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001509  
name: pedicel length  
xref: TID:431  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001510  
name: texture of panicle axis  
xref: TID:430  
is\_a: CO\_041:0000034 ! panicle related trait

[Term]

id: CO\_041:0001511  
name: nodal septum color  
xref: TID:429  
is\_a: CO\_041:0000033 ! node related trait

[Term]

id: CO\_041:0001512  
name: mucro  
xref: TID:428  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001513  
name: leaf texture  
xref: TID:427  
is\_a: CO\_041:0000027 ! leaf related trait

[Term]

id: CO\_041:0001514  
name: lemma and palea surface  
xref: TID:426  
is\_a: CO\_041:0000031 ! lemma and palea related trait

[Term]

id: CO\_041:0001515  
name: lower plant part  
xref: TID:425  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001516  
name: ligule pubescence  
xref: TID:424  
is\_a: CO\_041:0000032 ! ligule related trait

[Term]

id: CO\_041:0001517  
name: life cycle  
xref: TID:423  
is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001518  
name: length of highest internode  
synonym: "highest" RELATED []  
xref: TID:422  
is\_a: CO\_041:0000001 ! agronomic trait  
is\_a: CO\_041:0000026 ! culm related trait

[Term]

id: CO\_041:0001519  
name: heterogeneity  
xref: TID:421  
is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001520  
name: grain attachment to pedicel  
xref: TID:420  
is\_a: CO\_041:0000006 ! grain quality

[Term]

id: CO\_041:0001521  
name: growth habit  
xref: TID:419  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001522  
name: flag leaf ligule  
xref: TID:418  
is\_a: CO\_041:0000028 ! flag leaf related trait

[Term]

id: CO\_041:0001523  
name: flag leaf width  
xref: TID:417  
is\_a: CO\_041:0000028 ! flag leaf related trait

[Term]

id: CO\_041:0001524  
name: flag leaf length  
xref: TID:416  
is\_a: CO\_041:0000028 ! flag leaf related trait

[Term]

id: CO\_041:0001525  
name: fertile lemma texture  
xref: TID:415  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001526  
name: embryo size  
xref: TID:414  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001527  
name: panicle distance from base  
xref: TID:413  
is\_a: CO\_041:0000034 ! panicle related trait

[Term]

id: CO\_041:0001528  
name: panicle distance to spikelet  
xref: TID:412  
is\_a: CO\_041:0000034 ! panicle related trait

[Term]

id: CO\_041:0001529  
name: chromosome number  
xref: TID:411  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001530  
name: panicle base pubescence  
xref: TID:410  
is\_a: CO\_041:0000034 ! panicle related trait

[Term]

id: CO\_041:0001531  
name: awn thickness  
xref: TID:409  
is\_a: CO\_041:0000025 ! awn related trait

[Term]

id: CO\_041:0001532  
name: awn texture  
xref: TID:408  
is\_a: CO\_041:0000025 ! awn related trait

[Term]

id: CO\_041:0001533  
name: awn length  
xref: TID:407  
is\_a: CO\_041:0000025 ! awn related trait

[Term]

id: CO\_041:0001534  
name: auricle pubescence  
xref: TID:406  
is\_a: CO\_041:0000024 ! auricle related trait

[Term]

id: CO\_041:0001535  
name: auricle presence  
xref: TID:405  
is\_a: CO\_041:0000024 ! auricle related trait

[Term]

id: CO\_041:0001536  
name: apiculus pubescence  
xref: TID:404  
is\_a: CO\_041:0000023 ! apiculus related trait

[Term]

id: CO\_041:0001537  
name: anther length  
xref: TID:403  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001539  
name: branching  
xref: TID:401  
is\_a: CO\_041:0000009 ! morphological trait

[Term]

id: CO\_041:0001540  
name: panicle shattering  
xref: TID:400  
is\_a: CO\_041:0000034 ! panicle related trait

[Term]

id: CO\_041:0001541  
name: population composition  
xref: TID:399  
is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001543  
name: node color  
xref: TID:397  
is\_a: CO\_041:0000033 ! node related trait

[Term]

id: CO\_041:0001544  
name: internode color  
xref: TID:396  
is\_a: CO\_041:0000026 ! culm related trait

[Term]

id: CO\_041:0001545  
name: culm diameter

xref: TID:395  
is\_a: CO\_041:0000026 ! culm related trait

[Term]

id: CO\_041:0001546  
name: blade pubescence  
xref: TID:394  
is\_a: CO\_041:0000029 ! leaf blade related trait

[Term]

id: CO\_041:0001547  
name: blade color  
xref: TID:393  
is\_a: CO\_041:0000029 ! leaf blade related trait

[Term]

id: CO\_041:0001548  
name: awn presence  
xref: TID:392  
is\_a: CO\_041:0000025 ! awn related trait

[Term]

id: CO\_041:0001549  
name: population code  
xref: TID:391  
is\_a: CO\_041:0000003 ! design factor

[Term]

id: CO\_041:0001550  
name: crop year  
synonym: "cropyear" RELATED []  
xref: TID:390  
is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0001552  
name: soil type  
synonym: "soil\_type" RELATED []  
xref: TID:441  
is\_a: CO\_041:0000011 ! soil property

[Term]

id: CO\_041:0001553  
name: trait  
xref: TID:440  
is\_a: CO\_041:1000000 ! property

[Term]

id: CO\_041:0001570  
name: salinity source  
synonym: "sal\_source" RELATED []  
xref: TID:432

is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0001587  
name: outstanding trait  
alt\_id: CO\_041:0001554  
alt\_id: CO\_041:0001583  
alt\_id: CO\_041:0001607  
synonym: "hybrid\_trait" RELATED []  
synonym: "out" RELATED []  
synonym: "out\_trait" RELATED []  
synonym: "outs\_trait" RELATED []  
synonym: "outstanding\_trait" RELATED []  
xref: TID:369  
xref: TID:395  
xref: TID:415  
xref: TID:419  
xref: TID:439  
xref: TID:442  
is\_a: CO\_041:0000001 ! agronomic trait

[Term]

id: CO\_041:0001593  
name: water level type  
comment: Field level with respect to the water source during cropping season.  
synonym: "H2O\_level\_type" RELATED []  
xref: TID:409  
is\_a: CO\_041:0000046 ! water management property

[Term]

id: CO\_041:0001601  
name: genebank conservation  
synonym: "gene\_conserve" RELATED []  
xref: TID:401  
is\_a: CO\_041:0000013 ! inventory property

[Term]

id: CO\_041:0001602  
name: other purpose  
synonym: "other\_purpose" RELATED []  
xref: TID:400  
is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:0001603  
name: screening for stress  
synonym: "screen\_stress" RELATED []  
xref: TID:399  
is\_a: CO\_041:0000044 ! stress management property

[Term]

id: CO\_041:0001604  
name: national yield testing entry  
synonym: "yld\_natl" RELATED []  
xref: TID:398  
is\_a: CO\_041:0000042 ! yield testing entry

[Term]

id: CO\_041:0001605  
name: state yield testing entry  
synonym: "yld\_state" RELATED []  
xref: TID:397  
is\_a: CO\_041:0000042 ! yield testing entry

[Term]

id: CO\_041:0001606  
name: local yield testing entry  
synonym: "yld\_local" RELATED []  
xref: TID:396  
is\_a: CO\_041:0000042 ! yield testing entry

[Term]

id: CO\_041:0001610  
name: damage degree  
comment: Degree of infection.  
synonym: "damage\_degree" RELATED []  
xref: TID:392  
is\_a: CO\_041:0000045 ! pest management property

[Term]

id: CO\_041:0001624  
name: set number  
synonym: "setno" RELATED []  
xref: TID:378  
is\_a: CO\_041:0000005 ! field management property

[Term]

id: CO\_041:1000000  
name: property  
is\_a: CO\_041:0000000 ! ICIS data property ontology