

File S2

Source and germplasm group of 1,482 non-inducers analyzed in this study

1) 93 lines from Ganai *et al.* (2011)

- EUD

A374 F252 FV331 MBS847 ND283 Tzi8 W401 X807

- EUF

AK3 CH10 D105 F471 FC13 FC24 FC25 FC26 FV2 FV283 FV286 FV4 FV71 FV79 LO3 LO32 ND36

NYS302 PLS14 PLS27 PLS42 W85

- MIS

Florida.56 P737M20 TIP.454.2 TIP.458.2 TIP.466.2 TIP.485.2 TIP.498.2 TIP.503.2 TIP.512.2 TIP.521.2

TIP.523.2 TIP.534.2

- NSS

CR1HT IB014 IB02 LH123HT LH156 LH38 LH39 LH52 LH54 LH57 LH59 LH60 LH82 LH85 LH93 MBNA

NQ508 PHG39 PHG50 PHG72 PHK76 PHN47 PHR25 PHR32 PHR36 PHV63 PHV78 PHW65 PHZ51

X2MA22

- SS

B47 FAPW FBHJ FR19 G80 LH1 LH132 LH145 LH149 LH74 LP1.CMS.HT NS701 PB80 PHG71 PHJ40

PHR47 PHW17 PHW52 X78002A X78004

- TST: CMIL69

2) 220 lines from Cook *et al.* (2012)

- EUD

B115 B73Htrhm CH9 CM37 CM7 CML287 CML91 CMV3 CO125 F44 Ky21 Ky228 M162W M37W

Mo18W Mo1W Mo24W SC213R T8 Tx303

- EUF: CO255 EP1 F7

- MIS

HP301 I29 IA2132 IA5125 IDS28 IDS69 IDS91 IL101 IL14H IL677A Indiana4722 P39 SA24 Sg1533 SG18

- NSS

A188 A6 A659 A661 A682 B103 B2 B52 B57 B75 B97 C103 C123 CI187.2 CI31A CI90C DE.2 DE.3

DE1

DE811 GT112 H95 H99 Hi27 I205 K4 K55 L317 M14 Mo44 Mo46 Mo47 MoG MS71 Mt42 N6 NC222
NC230 NC232 NC236 NC238 NC258 NC260 NC262 NC264 NC290A NC318 NC320 NC33 NC342 NC344
ND246 OH40B OH43 OH43E OH7B Pa762 T232 VA102 VA14 VA17 VA22 VA35 VA59 VA85 VA99
W117HT W153R W182B W22 W22.R.r.std WD

- SS

A239 A554 A632 A634 A635 A641 A654 A679 A680 Ab28A B10 B105 B109 B14A B164 B37 B46 B64
B68 B76 B79 B84 CM105 CM174 H105W H49 H84 H91 Hy MS153 N192 N28HT N7A NC250 NC294
NC306 NC310 NC314 NC324 NC326 NC328 NC368 Os420 Pa875 Pa880 PA91 R229 WF9

- TST

CML10 CML103 CML108 CML11 CML14 CML154Q CML157Q CML158Q CML218 CML220 CML238
CML247 CML254 CML258 CML261 CML264 CML277 CML281 CML311 CML314 CML321 CML322
CML328 CML331 CML332 CML333 CML341 CML38 CML45 CML5 CML52 CML61 CML92 Ki11 Ki14
Ki2021 Ki21 Ki3 Ki43 Ki44 NC296 NC296A NC298 NC300 NC302 NC304 NC336 NC340 NC346 NC348
NC350 NC352 NC354 NC356 NC358 TX601 TZI10 TZI11 TZI16 TZI18 TZI25 TZI9

3) 834 lines from our own database

- EUD:

A148 A158 A3 A310 A340 A347 A375 AS5707 B100 B101 B102 B106 B107 B108 B89 B98 Carg_11430
CG1 CL30 Co151 Co158 CO316 CQ201 CQ502 DJ7 DK11 DK3D DK4676A DK78010 DK78371A
DKHBA1 DKMBPM DKMBST DKMDF_13D EA1163 EA3076 EC130 EC133A EC136 EC140 EC151
EC175 EC232 EC242C EC326A EC334 EP2 EP27 EP28 EP29 EP51 EP52 EP55 EP56 EP67 EP72 EP77
EZ11A EZ19 EZ31 EZ37 EZ46 EZ48 F1808 F544 F670 F7009 F7019 F7025 F7028 F7038 F7057 F7058
F7059 F7081 F748 F752 F838 F888 F904 F908 F912 F918 F922 F924 F98902 FC1852 FC1890 FV113 FV181
FV218 FV230 FV252 FV271 FV277 FV284 FV288 FV292 FV317 FV330 FV332 FV335 FV353 FV354
FV356 GEMS_0092 GL27 GL62 Ia153 IOD.0663 KW5361 LAN496 Lp5 Mo15W N16 N22 N25 NC262B
NC288 NC290 ND211 NDB8 NK764 NKH8431 nr.38_11 Oh02 Oh33 Os426 Pa374 PA405 PB116 PB7
PB98TR PH207 PHB09 PHG35 PHG86 PHH93 PHK29 PHT55 PHT77 PP147 Q381 RZ07 SDp254 Va26
W117 W182E W23 W33 W59E W602S W604S W64A W79A W9 WH WJ YUBC1a D01 D06 D09 D17 D21
D22 D23 D24 D30 D32 D403 D408 D46 D48 D51 D60 D61 D63 D64 D66 D67 D83 D851 D95 P001 P006
P009 P017 P022 P024 P027 P029 P031 P033 P034 P036 P038 P040 P042 P043 P045 P046 P047 P048 P053

P054 P057 P060 P063 P064 P065 P066 P068 P069 P070 P071 P072 P074 P075 P079 P080 P081 P083 P084
P085 P086 P087 P089 P091 P092 P093 P094 P095 P096 P097 P099 P100 P101 P102 P103 P104 P105 P106
P107 P108 P110 P111 P112 P113 P114 P115 P118 P119 P120 P122 P123 P126 P127 P128 P129 P130 P131
P133 P135 P136 P137 P140 P142 P144 P145 P146 P148 P149 P150 P154 P159 P165 P167 P182 P184 P188
P194 P197 P202 P204 P206 P209 P210 P211 P212 P213 P214 P215 P217 P219 P223 P224 P233 P235 P239
P245 P250 P255 P261 P271 P272 P275 P284 P286 P289 P290 P291 P299 P304 P312 P317 P330 P336 P342
P351 P352 P353 P354 P357 PD1001H.72 PD1003H.109 PD1022H.149 PD1022H.49 PD1022H.98
PD1023H.72 PD1113H.111 PS06522322n S002 S015 S016 S018 S020 S021 S025 S028 S033 S034 S035
S036 S037 S040 S044 S046 S048 S049 S050 S051 S052 S053 S054 S055 S058 S060 S064 S065 S066 S067
S069 S070 S072 S073 S074 S077 VD01 VD02 VD03

- EUF

BARE.002 BARE.017 BUGA.005 BUGA.032 BUGA.064 BUGA.084 CAMP.104 CAMP.107 CAMP.125
CAMP.304 CH10.3 CH10.4 CH16.1_295 CH17.3 CH19.1 CH19.3 CH22 CH27_17 CH28_2 CH34 CH36
CH39 CH4.2 CH446A CH5.2 CH7.1 CH8.7 CORU.001 CORU.002 EA1027 EA1070 EA1301 EA1349
EA2000 EA2024 EA2087 EA2841 EC209 EC212A EC214 EC218 EC22 EC237 EC23A EC243 EC244
EC245B EC246 EC248 EC35G EC45 EC46 EC49A EC50 EC51 EP16 EP31 EP32 EP37 EP39 EP4 EP40
EP42 EP43 EP44 EP45 EP46 EP47 EP53 EP64 EP65 EP66 EP68 EP69 EP71 EP73 EP79 EP80 EP86
ESTE.001 EZ1 EZ10 EZ14 EZ2 EZ22 EZ3 EZ30 EZ32 EZ33 EZ38 EZ4 EZ49 EZ5 EZ51 EZ53 EZ59 F02803
F03801 F03802 F337 F347 F350 F359 F361 F362 F363 F364 F373 F41 F45 F47 F564 F64 F657wx F7012
F7048 F759 F810 F9003 F902 F920 FC1571 FC1772 FC201 FC209 FC21 FC23 FC30 FC352 FC46 FP1 FV1
FV10 FV11 FV160 FV18 FV226 FV268 FV324 FV65 FV69A FV70 FV72 FV74 FV75 FV76 FV77 FV83
FV85 GELB.104 GELB.109 GELB.A119 GELB.A203 LACA.002 LACA.004 LACA.005 LACA.006 LO33
MONE.102 MONE.106 MONE.112 ND33 nr.469 nr.470 NY302 NY303 OURD.001 P465P PB18 PB261
PB268 PB40 PB53 PB57 PB6R PB79_2 PB86 PB97 PLS41 PP85 PP87 PV125 PV135 PV139 RT10 RT9
SATU.106 SATU.131 SATU.163 SATU.203 SATU.245 SCHM.112 SCHM.133 SCHM.134 SCHM.213
STGA.104 STGA.151 STGA.173 STGA.178 STRE.130 STRE.138 STRE.142 STRE.302 VACQ.053
VACQ.065 VIEY.001 W617 WALL.108 WALL.175 WALL.213 WALL.316 YUBR5 YUBR6 D102 D107
D114 D118 D131 D140 D141 D142 D143 D144 D145 D146 D147 D149 D150 D152 D157 D164 D167 D171
D199 D305 D503 D504 D800 DE101 DK105 F005 F012 F013 F016 F018 F020 F023 F027 F030 F034 F035

F037 F038 F039 F040 F043 F045 F047 F048 F050 F052 F054 F055 F056 F057 F058 F059 F060 F061 F062
F066 F068 F070 F072 F073 F074 F077 F082 F083 F084 F087 F088 F090 F091 F093 F094 F096 F098 F099
F101 F103 F104 F105 F106 F108 F109 F110 F117 F121 F123 F124 F125 F126 F127 F128 F129 F130 F131
F132 F133 F134 F135 F136 F137 F138 F139.STRE F142 F145 F147 F148 F150 F151 F154 F157 F159 F160
F161 F162 F169 F173 F174 F178 F179 F181 F182 F183 F185 F186 F192 F195 F198 F199 FF0823.n.6.2.2.1
FF1002H.453 FF1008H.20 FF1023H.78 FL1002H.40 L001 L003 L005 L007 L010 L011 L012 L015 L016
L017 L019 L021 L023 L024 L025 L031 L032 L035 L037 L038 L041 L042 L043 L045 L046 L047 L048 L050
L051 L054 L055 L056 L057 L058 L059 L060

- NSS

L127_Lif L139_Lif LH127 LH160 LH162 LH65 ML606 OQ603 PHG29 PHG47 PHG83 PHG84 PHJ75
PHN37 PHP76 W606S W608S W609S W611S W612S cn1680

- SS

B104 Carg_2369 CR14 DeKalb_2FACC Funk_4N506 IBB14 IBB15 LH146Ht LH196 LH202 LH220Ht
ND2002 ND2006 ND2014 PHN29 PHV37 PHW03 W610S

- TST

CM.GER.MPS1.P1 CM.GER.MPS1.P10 CM.GER.MPS1.P13 CM.GER.MPS1.P16 CM.GER.MPS1.P18
CM.GER.MPS1.P19 CM.GER.MPS1.P2 CM.GER.MPS1.P22 CM.GER.MPS1.P23 CM.GER.MPS1.P24
CM.GER.MPS1.P25 CM.GER.MPS1.P26 CM.GER.MPS1.P27 CM.GER.MPS1.P28 CM.GER.MPS1.P29
CM.GER.MPS1.P30 CM.GER.MPS1.P31 CM.GER.MPS1.P32 CM.GER.MPS1.P33 CM.GER.MPS1.P35
CM.GER.MPS1.P37 CM.GER.MPS1.P39 CM.GER.MPS1.P40 CM.GER.MPS1.P42 CM.GER.MPS1.P43
CM.GER.MPS1.P44 CM.GER.MPS1.P45 CM.GER.MPS1.P5 CM.GER.MPS1.P6 CM.GER.MPS1.P8
CM.GER.MPS1.P9 CML246 CML539 CZL00009 CZL0618 CZL0719 CZL0723 CZL0724 CZL074
VL062645 VL062655 CML494

4) 335 lines from Yang *et al.* (2011)

- DCN

Chang3 Chang7.2 chuan48.2 Dan340 Dan4245 Dan598 Dong237 Dong46 HYS HZS Ji53 Ji63 Ji853 Jing24
K12 Lv28 Lx9801 Nan21.3 Q1261 Si444 Si446 Tian77 TT16 W138 WH413 X3H.2 X5237 Xi502 Yan414
Ye515 Yu374 Zheng22 Zheng32

- EUD: B113

- NSS

A619 B114 By4839 By4944 By4960 By804 By807 By809 By813 By815 By843 By855 Cheng698 CI7
Dan3130 Dan599 DH29 Gy1007 Gy1032 Gy220 Gy237 Gy386 GY386B Gy462 Gy798 Gy923 H127 HTH.17
JH59 Ji842 Ji846 Jiao51 L3180 Liao159 LK11 LXN MO113 Mo17 P178 Qi319 R08 R15 Ry684 Ry697 Ry713
Ry729 Ry732 Ry737 S22 Shen135 Shen137 Sy1032 Sy1035 Sy1039 Sy1052 Sy1077 Sy1128 Sy3073 Sy998
Sy999 TX5 X18.599 X238 X4F1 X5213 X7327 X7381 XZ698 Yu87.1 ZaC546

- SS

B11 B110 B111 B73 C8605 DH3732 ES40 HB Hu803 Hua83.2 HuangC J4112 K10 K14 K22 Liao5114 Qi205
Shen5003 Tie7922 U8112 Wu109 X501 X7884.4Ht X81162 X812 X835b X8902 X9782 Ye107 Ye478
Ye8001 ZH68 Zheng29 Zheng30 Zheng35 Zheng58 Zheng653

- TST

CIMBL1 CIMBL10 CIMBL100 CIMBL101 CIMBL103 CIMBL105 CIMBL106 CIMBL107 CIMBL108
CIMBL109 CIMBL11 CIMBL110 CIMBL111 CIMBL112 CIMBL113 CIMBL114 CIMBL115 CIMBL116
CIMBL117 CIMBL118 CIMBL119 CIMBL12 CIMBL120 CIMBL121 CIMBL122 CIMBL123 CIMBL127
CIMBL128 CIMBL129 CIMBL13 CIMBL133 CIMBL134 CIMBL136 CIMBL138 CIMBL14 CIMBL141
CIMBL142 CIMBL143 CIMBL144 CIMBL145 CIMBL146 CIMBL148 CIMBL150 CIMBL151 CIMBL152
CIMBL153 CIMBL154 CIMBL156 CIMBL157 CIMBL16 CIMBL17 CIMBL18 CIMBL19 CIMBL2
CIMBL20 CIMBL21 CIMBL22 CIMBL24 CIMBL25 CIMBL26 CIMBL28 CIMBL29 CIMBL3 CIMBL30
CIMBL31 CIMBL32 CIMBL33 CIMBL34 CIMBL38 CIMBL39 CIMBL4 CIMBL40 CIMBL43 CIMBL44
CIMBL46 CIMBL47 CIMBL48 CIMBL49 CIMBL5 CIMBL50 CIMBL52 CIMBL53 CIMBL55 CIMBL56
CIMBL57 CIMBL58 CIMBL59 CIMBL6 CIMBL60 CIMBL61 CIMBL62 CIMBL63 CIMBL65 CIMBL66
CIMBL68 CIMBL69 CIMBL7 CIMBL70 CIMBL71 CIMBL72 CIMBL73 CIMBL74 CIMBL75 CIMBL77
CIMBL8 CIMBL80 CIMBL81 CIMBL82 CIMBL83 CIMBL84 CIMBL86 CIMBL87 CIMBL88 CIMBL89
CIMBL9 CIMBL90 CIMBL91 CIMBL92 CIMBL93 CIMBL94 CIMBL95 CIMBL98 CIMBL99 CML113
CML114 CML115 CML116 CML118 CML121 CML122 CML130 CML134 CML139 CML162 CML163
CML165 CML166 CML168 CML169 CML170 CML171 CML172 CML191 CML192 CML20 CML223
CML226 CML228 CML290 CML298 CML300 CML304 CML305 CML307 CML31 CML32 CML323
CML324 CML325 CML326 CML327 CML338 CML360 CML361 CML364 CML408 CML411 CML412
CML415 CML422 CML423 CML426 CML428 CML430 CML431 CML432 CML433 CML451 CML454

CML465 CML471 CML473 CML474 CML480 CML486 CML493 CML496 CML497 CML50 CML51
CML69 S37 SW92E114 Yun46