

Supplementary Table S5: List of plant species where gene names have been assigned to feature record from the corresponding tRNA/rRNA/CDS feature record at the same location in the genome or by matching the Gene ID.

S.No.	Plant Code	No. of Additions	Gene Name [Location]
1.	ABCH	4	rrn16 [84323..85813], rrn23 [88307..91111], rrn4.5 [91218..91320], rrn5 [91571..91691]
2.	ABCI	8	rrn16 [105644..107134], rrn23 [109538..112347], rrn4.5 [112446..112548], rrn5 [112774..112890], rrn5 [complement(134798..134914)], rrn4.5 [complement(135140..135242)], rrn23 [complement(135341..138150)], rrn16 [complement(140554..142044)]
3.	ABCO	4	rrn16 [83347..84839], rrn23 [87343..90147], rrn4.5 [90254..90356], rrn5 [90607..90727]
4.	ABES	8	rrn16 [106434..107924], rrn23 [110343..113152], rrn4.5 [113251..113353], rrn5 [113616..113736], rrn5 [complement(137457..137577)], rrn4.5 [complement(137840..137942)], rrn23 [complement(138041..140850)], rrn16 [complement(143269..144759)]
5.	ABGR	1	rrn16 [complement(140427..141917)]
6.	ABSI	4	rrn16 [84264..85754], rrn23 [88244..91048], rrn4.5 [91155..91257], rrn5 [91508..91628]
7.	ACAR	8	rrn16 [103460..104949], rrn23 [107157..109966], rrn4.5 [110068..110170], rrn5 [110427..110547], rrn5 [complement(133743..133863)], rrn4.5 [complement(134120..134222)], rrn23 [complement(134324..137133)], rrn16 [complement(139331..140820)]
8.	ACBU	8	rrn16 [102497..103987], rrn23 [106411..109220], rrn4.5 [109319..109421], rrn5 [109638..109758], rrn5 [complement(132957..133077)], rrn4.5 [complement(133294..133396)], rrn23 [complement(133495..136304)], rrn16 [complement(138728..140218)]
9.	ACKO	1	trnFM [complement(37191..37262)]
10.	ACLO	8	rrn16 [102664..104154], rrn23 [106549..109361], rrn4.5 [109460..109562], rrn5 [109787..109907], rrn5 [complement(132084..132204)], rrn4.5 [complement(132429..132531)], rrn23 [complement(132630..135442)], rrn16 [complement(137837..139327)]
11.	ACML	6	rrn16 [98789..100278], rrn23 [102534..105343], rrn5 [105789..105909], rrn5 [complement(127703..127823)], rrn23 [complement(128269..131078)], rrn16 [complement(133333..134822)]
12.	ACPS	8	rrn16 [102881..104371], rrn23 [106766..109578], rrn4.5 [109677..109779], rrn5 [110004..110124], rrn5 [complement(132188..132308)], rrn4.5 [complement(132533..132635)], rrn23 [complement(132734..135546)], rrn16 [complement(137941..139431)]
13.	ACWR	8	rrn16 [103482..104972], rrn23 [107386..110195], rrn4.5 [110295..110397], rrn5 [110622..110742], rrn5 [complement(133911..134031)], rrn4.5 [complement(134256..134358)], rrn23 [complement(134457..137266)], rrn16 [complement(139681..141171)]
14.	ADMN	8	rrn16 [104620..106109], rrn23 [108528..111324], rrn4.5 [111436..111538], rrn5 [111764..111884], rrn5 [complement(140657..140777)], rrn4.5 [complement(141003..141105)], rrn23 [complement(141217..144013)], rrn16 [complement(146431..147920)]
15.	AEBI	40	trnQ [complement(6309..6381)], trnS [complement(7538..7625)], trnS [complement(11266..11353)], trnG

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[12176..12246], trnM [complement(12704..12760)], trnT [14726..14797], trnE [15171..15243], trnY [15305..15386], trnD [15745..15818], trnC [complement(18413..18483)], trnR [complement(36076..36147)], trnM [complement(36298..36372)], trnS [44762..44848], trnT [complement(46068..46140)], trnF [47769..47841], trnM [51869..51941], trnW [complement(64482..64555)], trnP [complement(64695..64769)], trnP [complement(64697..64767)], trnH [81470..81544], trnI [complement(83559..83632)], trnL [complement(86012..86092)], trnV [92254..92325], rrn16 [92555..94046], rrn23 [96320..99207], rrn4.5 [99303..99397], rrn5 [99625..99745], trnR [99974..100047], trnN [complement(100321..100392)], trnL [106647..106726], trnN [117472..117543], trnR [complement(117817..117890)], rrn5 [complement(118119..118239)], rrn4.5 [complement(118467..118561)], rrn23 [complement(118657..121544)], rrn16 [complement(123818..125309)], trnV [complement(125539..125610)], trnL [131772..131852], trnI [134232..134305], trnH [complement(136320..136394)]
16.	AECY	4	rrn16 [91136..92627], rrn23 [94907..97794], rrn4.5 [97890..97984], rrn5 [98212..98332]
17.	AEGE	4	rrn16 [91092..92583], rrn23 [94863..97750], rrn4.5 [97846..97940], rrn5 [98167..98287]
18.	AEKO	40	trnQ [complement(6308..6380)], trnS [complement(7537..7624)], trnS [complement(11265..11352)], trnG [12175..12245], trnM [complement(12703..12759)], trnT [14725..14796], trnE [15170..15242], trnY [15304..15385], trnD [15744..15817], trnC [complement(18413..18483)], trnR [complement(36082..36153)], trnM [complement(36304..36378)], trnS [44768..44854], trnT [complement(46069..46141)], trnF [47770..47842], trnM [51874..51946], trnW [complement(64486..64559)], trnP [complement(64699..64773)], trnP [complement(64701..64771)], trnH [81476..81550], trnI [complement(83565..83638)], trnL [complement(86018..86098)], trnV [92260..92331], rrn16 [92561..94052], rrn23 [96326..99213], rrn4.5 [99309..99403], rrn5 [99631..99751], trnR [99980..100053], trnN [complement(100327..100398)], trnL [106654..106733], trnN [117479..117550], trnR [complement(117824..117897)], rrn5 [complement(118126..118246)], rrn4.5 [complement(118474..118568)], rrn23 [complement(118664..121551)], rrn16 [complement(123825..125316)], trnV [complement(125546..125617)], trnL [131779..131859], trnI [134239..134312], trnH [complement(136327..136401)]
19.	AELO	40	trnQ [complement(6308..6380)], trnS [complement(7536..7623)], trnS [complement(11263..11350)], trnG [12173..12243], trnM [complement(12701..12757)], trnT [14723..14794], trnE [15168..15240], trnY [15302..15383], trnD [15742..15815], trnC [complement(18410..18480)], trnR [complement(36079..36150)], trnM [complement(36301..36375)], trnS [44769..44855], trnT [complement(46075..46147)], trnF [47776..47848], trnM [51880..51952], trnW [complement(64493..64566)], trnP [complement(64706..64780)], trnP [complement(64708..64778)], trnH [81481..81555], trnI [complement(83570..83643)], trnL [complement(86023..86103)], trnV [92265..92336], rrn16 [92566..94057], rrn23 [96331..99218], rrn4.5 [99314..99408], rrn5 [99636..99756], trnR [99985..100058], trnN [complement(100332..100403)], trnL [106660..106739], trnN [117486..117557], trnR [complement(117831..117904)], rrn5 [complement(118133..118253)], rrn4.5 [complement(118481..118575)], rrn23 [complement(118671..121558)], rrn16 [complement(123832..125323)], trnV [complement(125553..125624)], trnL [131786..131866], trnI

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[134246..134319], trnH [complement(136334..136408)]
20.	AESE	40	trnQ [complement(6308..6380)], trnS [complement(7537..7624)], trnS [complement(11259..11346)], trnG [12169..12239], trnM [complement(12697..12753)], trnT [14719..14790], trnE [15164..15236], trnY [15298..15379], trnD [15738..15811], trnC [complement(18406..18476)], trnR [complement(36075..36146)], trnM [complement(36297..36371)], trnS [44761..44847], trnT [complement(46067..46139)], trnF [47768..47840], trnM [51872..51944], trnW [complement(64484..64557)], trnP [complement(64697..64771)], trnP [complement(64699..64769)], trnH [81464..81538], trnI [complement(83553..83626)], trnL [complement(86006..86086)], trnV [92248..92319], rrn16 [92549..94040], rrn23 [96314..99201], rrn4.5 [99297..99391], rrn5 [99619..99739], trnR [99968..100041], trnN [complement(100315..100386)], trnL [106649..106728], trnN [117474..117545], trnR [complement(117819..117892)], rrn5 [complement(118121..118241)], rrn4.5 [complement(118469..118563)], rrn23 [complement(118659..121546)], rrn16 [complement(123820..125311)], trnV [complement(125541..125612)], trnL [131774..131854], trnI [134234..134307], trnH [complement(136322..136396)]
21.	AESH	40	trnQ [complement(6309..6381)], trnS [complement(7537..7624)], trnS [complement(11265..11352)], trnG [12175..12245], trnM [complement(12703..12759)], trnT [14726..14797], trnE [15171..15243], trnY [15305..15386], trnD [15745..15818], trnC [complement(18413..18483)], trnR [complement(36082..36153)], trnM [complement(36304..36378)], trnS [44768..44854], trnT [complement(46069..46141)], trnF [47770..47842], trnM [51876..51948], trnW [complement(64488..64561)], trnP [complement(64701..64775)], trnP [complement(64703..64773)], trnH [81476..81550], trnI [complement(83565..83638)], trnL [complement(86018..86098)], trnV [92260..92331], rrn16 [92561..94052], rrn23 [96326..99213], rrn4.5 [99309..99403], rrn5 [99631..99751], trnR [99980..100053], trnN [complement(100327..100398)], trnL [106653..106732], trnN [117478..117549], trnR [complement(117823..117896)], rrn5 [complement(118125..118245)], rrn4.5 [complement(118473..118567)], rrn23 [complement(118663..121550)], rrn16 [complement(123824..125315)], trnV [complement(125545..125616)], trnL [131778..131858], trnI [134238..134311], trnH [complement(136326..136400)]
22.	AESP	4	rrn16 [90718..92209], rrn23 [94489..97376], rrn4.5 [97472..97566], rrn5 [97794..97914]
23.	AETA	4	rrn16 [91312..92803], rrn23 [95083..97970], rrn4.5 [98066..98160], rrn5 [98388..98508]
24.	AGAD	8	rrn16 [100572..102060], rrn23 [103948..106755], rrn4.5 [106757..106854], rrn5 [107086..107197], rrn5 [complement(128303..128414)], rrn4.5 [complement(128646..128743)], rrn23 [complement(128744..131551)], rrn16 [complement(133439..134927)]
25.	AGAT	8	rrn16 [103074..104564], rrn23 [106977..109786], rrn4.5 [109885..109987], rrn5 [110209..110329], rrn5 [complement(133160..133280)], rrn4.5 [complement(133502..133604)], rrn23 [complement(133703..136512)], rrn16 [complement(138925..140415)]
26.	AGST	8	rrn16 [92763..94254], rrn23 [96535..99422], rrn4.5 [99519..99613], rrn5 [99842..99962], rrn5 [complement(118235..118355)], rrn4.5 [complement(118584..118678)], rrn23 [complement(118774..121661)], rrn16 [complement(123943..125434)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
27.	ALAL	28	trnS [complement(34904..34990)], trnG [35817..35887], trnS [44416..44503], trnT [complement(45762..45834)], trnM [51147..51218], trnL [complement(92825..92905)], trnV [98779..98850], trnI [100867..100903], trnR [106548..106621], trnL [112638..112717], trnN [128035..128107], trnR [complement(128705..128778)], rrn5 [complement(129001..129121)], rrn4.5 [complement(129345..129447)], rrn23 [complement(129546..132355)], trnA [complement(132502..133389)], trnI [complement(133454..134459)], rrn16 [complement(134761..136251)], trnV [complement(136476..136547)], rps7 [138853..139320], ndhB [139631..141864], trnL [142421..142501], ycf2 [complement(143525..150397)], trnI [150489..150562], rpl23 [150728..151015], rpl2 [151097..152516], trnH [complement(152560..152634)], rps19 [152771..153049]
28.	ALDE	4	rrn5 [complement(127751..127871)], rrn4.5 [complement(128109..128211)], rrn23 [complement(128310..131119)], rrn16 [complement(133455..134945)]
29.	ALEB	1	rpl2 [complement(83775..85274)]
30.	ALFA	8	rrn16 [100177..101667], rrn23 [104080..106882], rrn4.5 [106989..107091], rrn5 [107318..107438], rrn5 [complement(130504..130624)], rrn4.5 [complement(130851..130953)], rrn23 [complement(131060..133862)], rrn16 [complement(136275..137765)]
31.	ALKI	8	rrn16 [101924..103414], rrn23 [105822..108631], rrn4.5 [108730..108832], rrn5 [109055..109175], rrn5 [complement(132067..132187)], rrn4.5 [complement(132410..132512)], rrn23 [complement(132611..135420)], rrn16 [complement(137828..139318)]
32.	ALNA	8	rrn16 [94206..95697], rrn23 [98155..101042], rrn4.5 [101138..101232], rrn5 [101460..101580], rrn5 [complement(119031..119151)], rrn4.5 [complement(119379..119473)], rrn23 [complement(119569..122456)], rrn16 [complement(124914..126405)]
33.	ALOB	29	trnS [complement(34638..34724)], trnG [35563..35633], trnS [44118..44205], trnT [complement(45424..45496)], trnM [50856..50928], rps12 [join(complement(67454..67567),137392..137634)], trnL [complement(92097..92177)], trnV [98025..98096], trnI [100113..101118], trnR [105801..105874], trnL [112094..112173], trnN [127432..127504], trnR [complement(128102..128175)], rrn5 [complement(128405..128525)], rrn4.5 [complement(128749..128851)], rrn23 [complement(128950..131759)], trnA [complement(131906..132793)], trnI [complement(132858..133863)], rrn16 [complement(134165..135655)], trnV [complement(135880..135951)], rps7 [138240..138707], ndhB [139018..141251], trnL [141799..141879], ycf2 [complement(142786..149658)], trnI [149750..149823], rpl23 [149989..150270], rpl2 [150352..151772], trnH [complement(151816..151890)], rps19 [152027..152305]
34.	ALOF	8	rrn16 [104867..106357], rrn23 [108773..111582], rrn4.5 [111681..111783], rrn5 [112046..112166], rrn5 [135862..135982], rrn4.5 [complement(136245..136347)], rrn23 [complement(136446..139255)], rrn16 [complement(141671..143161)]
35.	ALOR	8	rrn16 [92371..93862], rrn23 [96301..99188], rrn4.5 [99284..99378], rrn5 [99606..99726], rrn5 [complement(117307..117427)], rrn4.5 [complement(117655..117749)], rrn23 [complement(117845..120732)], rrn16 [complement(123171..124662)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
36.	ALSA	129	<p>rps12 [complement(join(96944..97186,67758..67871))], psbA [complement(89..1150)], trnK [complement(1385..4011)], matK [complement(1668..3230)], trnQ [complement(6572..6643)], psbK [6978..7163], psbI [7621..7731], trnS [complement(7770..7857)], trnG [8757..9526], trnR [9661..9732], atpA [complement(9852..11375)], atpF [complement(11456..12790)], atpH [complement(13206..13451)], atpI [complement(13912..14655)], rpoC2 [complement(15767..19918)], rpoC1 [complement(20094..22886)], rpoB [complement(22913..26125)], trnC [27327..27407], petN [28126..28215], psbM [complement(29074..29178)], trnD [complement(30250..30323)], trnY [complement(30636..30718)], trnE [complement(30778..30850)], trnT [31214..31285], psbD [32371..33432], psbC [33380..34801], trnS [complement(34943..35029)], lhbA [35380..35568], trnG [35841..35911], trnM [complement(36163..36236)], rps14 [complement(36394..36696)], psaB [complement(36823..39027)], psaA [complement(39053..41305)], ycf3 [complement(41946..43924)], trnS [44438..44525], rps4 [complement(44809..45414)], trnT [complement(45738..45810)], trnL [46766..47155], trnF [47417..47486], ndhJ [complement(48073..48549)], ndhK [complement(48660..49427)], ndhC [complement(49397..49759)], trnV [complement(50225..50899)], trnM [51060..51131], atpE [complement(51307..51711)], atpB [complement(51708..53204)], rbcL [54025..55464], accD [56293..57759], psaI [58184..58294], ycf4 [58597..59151], cemaA [59487..60176], petA [60328..61290], psbJ [complement(62448..62570)], psbL [complement(62696..62812)], psbF [complement(62835..62954)], psbE [complement(62972..63223)], petL [64066..64161], petG [64373..64486], trnW [complement(64607..64680)], trnP [complement(64860..64933)], psaJ [65291..65419], rpl33 [65760..65960], rps18 [66128..66433], rpl20 [complement(66670..67023)], rps12 [join(complement(67758..67871),138022..138264)], clpP [complement(67998..70053)], psbB [70451..71977], psbT [72166..72267], psbN [complement(72339..72470)], psbH [72586..72807], petB [73728..74384], petD [75305..75868], rpoA [complement(76009..77028)], rps11 [complement(77097..77513)], rpl36 [complement(77632..77745)], rps8 [complement(78204..78602)], rpl14 [complement(78852..79220)], rpl16 [complement(79347..79757)], rps3 [complement(80960..81622)], rpl22 [complement(81670..82068)], rps19 [complement(82116..82394)], trnH [82531..82605], rpl2 [complement(82649..84126)], rpl23 [complement(84151..84432)], trnI [complement(84598..84671)], ycf2 [84763..91656], trnL [complement(92680..92760)], ndhB [complement(93317..95551)], rps7 [complement(95862..96329)], trnV [98661..98732], rrn16 [98957..100447], trnI [100749..101754], trnA [101819..102706], rrn23 [102852..105661], rrn4.5 [105761..105863], rrn5 [106093..106213], trnR [106436..106509], trnN [complement(107107..107179)], ndhF [complement(108651..110846)], rpl32 [111759..111932], trnL [112671..112750], ccsA [112829..113788], ndhD [complement(114041..115546)], psaC [complement(115664..115909)], ndhE [complement(116378..116683)], ndhG [complement(116828..117358)], ndhI [complement(117716..118258)], ndhA [complement(118347..120501)], ndhH [complement(120503..121684)], rps15 [complement(121798..122067)], ycf1 [complement(122379..127679)], trnN [128029..128101], trnR [complement(128699..128772)], rrn5 [complement(128995..129115)], rrn4.5 [complement(129345..129447)], rrn23 [complement(129546..132355)], trnA [complement(132502..133389)], trnI [complement(133454..134459)], rrn16 [complement(134761..136251)], trnV</p>

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(136476..136547)], rps7 [138879..139346], ndhB [139657..141891], trnL [142448..142528], ycf2 [complement(143552..150445)], trnI [150537..150610], rpl23 [150776..151057], rpl2 [151082..152559], trnH [complement(152603..152677)], rps19 [152814..153092]
37.	ALSP	8	rrn16 [100480..101970], rrn23 [104382..107184], rrn4.5 [107291..107393], rrn5 [107621..107741], rrn5 [complement(130770..130890)], rrn4.5 [complement(131118..131220)], rrn23 [complement(131327..134129)], rrn16 [complement(136541..138031)]
38.	ALTE	45	trnH [complement(join(1..69,159593))], trnK [complement(1865..4465)], trnQ [complement(7573..7644)], trnS [complement(8817..8904)], trnG [9694..10507], trnR [10778..10849], trnC [29355..29425], trnD [complement(32552..32625)], trnY [complement(33065..33148)], trnE [complement(33208..33280)], trnT [34200..34271], trnS [complement(38293..38385)], trnG [39366..39436], trnM [complement(39610..39683)], trnS [48273..48359], trnT [complement(49413..49485)], trnL [50771..51366], trnF [51534..51606], trnV [complement(54520..55199)], trnM [55382..55454], trnW [complement(70268..70341)], trnP [complement(70535..70608)], trnI [complement(90277..90350)], trnL [complement(98230..98310)], trnV [104626..104697], rrn16 [104925..106415], trnI [106710..107732], trnA [107802..108677], rrn23 [108830..111642], rrn4.5 [111741..111843], rrn5 [112068..112188], trnR [112444..112517], trnN [complement(113149..113220)], trnL [118779..118858], trnN [134592..134663], trnR [complement(135295..135368)], rrn5 [complement(135624..135744)], rrn4.5 [complement(135969..136071)], rrn23 [complement(136170..138982)], trnA [complement(139135..140010)], trnI [complement(140081..141103)], rrn16 [complement(141397..142887)], trnV [complement(143115..143186)], trnL [149502..149582], trnI [157462..157535]
39.	ALUL	8	rrn16 [94331..95822], rrn23 [98261..101148], rrn4.5 [101244..101338], rrn5 [101566..101686], rrn5 [complement(119230..119350)], rrn4.5 [complement(119578..119672)], rrn23 [complement(119768..122655)], rrn16 [complement(125094..126585)]
40.	ALVI	1	trnT [complement(47395..47467)]
41.	ALVR	1	rps36 [19086..19199]
42.	AMBR	1	trnL [46549..47052]
43.	AMCR	8	rrn16 [92292..93783], rrn23 [96209..99096], rrn4.5 [99192..99286], rrn5 [99514..99634], rrn5 [complement(117463..117583)], rrn4.5 [complement(117811..117905)], rrn23 [complement(118001..120888)], rrn16 [complement(123314..124805)]
44.	AMGN	2	ycf1 [106712..112123], ycf1 [complement(126183..131594)]
45.	AMLA	1	ycf1 [complement(126828..132239)]
46.	AMMU	8	rrn16 [95474..96965], rrn23 [99385..102267], rrn4.5 [102363..102457], rrn5 [102685..102805], rrn5 [complement(120793..120913)], rrn4.5 [complement(121141..121235)], rrn23 [complement(121331..124213)], rrn16 [complement(126633..128124)]
47.	AMST	1	ycf1 [complement(126990..132407)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
48.	AMTR	5	petL [72390..72485], rrn23 [111550..114365], rrn4.5 [114464..114566], rrn5 [114810..114930], rrn16 [complement(144554..146043)]
49.	AMTU	8	rrn16 [91799..93290], rrn23 [95702..98589], rrn4.5 [98685..98779], rrn5 [99008..99128], rrn5 [complement(117114..117234)], rrn4.5 [complement(117463..117557)], rrn23 [complement(117653..120540)], rrn16 [complement(122952..124443)]
50.	ANAB	8	rrn16 [93544..95035], rrn23 [97452..100339], rrn4.5 [100439..100533], rrn5 [100766..100886], rrn5 [complement(118670..118790)], rrn4.5 [complement(119023..119117)], rrn23 [complement(119217..122104)], rrn16 [complement(124521..126012)]
51.	ANAI	8	rrn16 [93688..95179], rrn23 [97595..100482], rrn4.5 [100582..100676], rrn5 [100909..101029], rrn5 [complement(118816..118936)], rrn4.5 [complement(119169..119263)], rrn23 [complement(119363..122250)], rrn16 [complement(124666..126157)]
52.	ANAS	8	rrn16 [102090..103580], rrn23 [105993..108802], rrn4.5 [108901..109003], rrn5 [109225..109345], rrn5 [complement(132511..132631)], rrn4.5 [complement(132853..132955)], rrn23 [complement(133054..135863)], rrn16 [complement(138276..139766)]
53.	ANBR	8	rrn16 [95652..97143], rrn23 [99559..102446], rrn4.5 [102546..102640], rrn5 [102873..102993], rrn5 [complement(120725..120845)], rrn4.5 [complement(121078..121172)], rrn23 [complement(121272..124159)], rrn16 [complement(126575..128066)]
54.	ANCH	8	rrn16 [108990..110480], rrn23 [112883..115686], rrn4.5 [115791..115893], rrn5 [116112..116232], rrn5 [complement(155263..155383)], rrn4.5 [complement(155602..155704)], rrn23 [complement(155802..158605)], rrn16 [complement(161013..162503)]
55.	ANCI	8	rrn16 [93663..95154], rrn23 [97570..100457], rrn4.5 [100557..100651], rrn5 [100884..101004], rrn5 [complement(118792..118912)], rrn4.5 [complement(119145..119239)], rrn23 [complement(119339..122226)], rrn16 [complement(124642..126133)]
56.	ANCO	45	trnH [complement(9..83)], trnK [complement(1887..4501)], trnQ [complement(7586..7657)], trnS [complement(8844..8931)], trnG [9723..10553], trnR [10806..10877], trnC [29646..29716], trnD [complement(32391..32464)], trnY [complement(32905..32988)], trnE [complement(33048..33120)], trnT [34070..34141], trnS [complement(38285..38377)], trnG [39808..39878], trnM [complement(40054..40127)], trnS [48842..48928], trnT [complement(50007..50079)], trnL [51347..51942], trnF [52109..52181], trnV [complement(55137..55810)], trnM [55984..56056], trnW [complement(70861..70934)], trnP [complement(71130..71203)], trnI [complement(90783..90856)], trnL [complement(98736..98816)], trnV [105139..105210], rrn16 [105438..106928], trnI [107223..108245], trnA [108315..109190], rrn23 [109343..112155], rrn4.5 [112254..112356], rrn5 [112581..112701], trnR [112958..113031], trnN [complement(113663..113734)], trnL [119370..119449], trnN [135362..135433], trnR [complement(136065..136138)], rrn5 [complement(136395..136515)], rrn4.5 [complement(136740..136842)], rrn23 [complement(136941..139753)], trnA [complement(139906..140781)], trnI [complement(140852..141874)], rrn16 [complement(142168..143658)], trnV [complement(143886..143957)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			trnL [150280..150360], trnI [158240..158313]
57.	ANDI	8	rrn16 [93880..95371], rrn23 [97788..100671], rrn4.5 [100771..100865], rrn5 [101098..101218], rrn5 [complement(119001..119121)], rrn4.5 [complement(119354..119448)], rrn23 [complement(119548..122431)], rrn16 [complement(124848..126339)]
58.	ANFA	8	rrn16 [93420..94911], rrn23 [97328..100215], rrn4.5 [100315..100409], rrn5 [100642..100762], rrn5 [complement(118565..118685)], rrn4.5 [complement(118918..119012)], rrn23 [complement(119112..121999)], rrn16 [complement(124416..125907)]
59.	ANFL	45	trnH [complement(9..83)], trnK [complement(1887..4501)], trnQ [complement(7585..7656)], trnS [complement(8843..8930)], trnG [9725..10554], trnR [10807..10878], trnC [29646..29716], trnD [complement(32337..32410)], trnY [complement(32851..32934)], trnE [complement(32994..33066)], trnT [34016..34087], trnS [complement(38231..38323)], trnG [39754..39824], trnM [complement(40000..40073)], trnS [48788..48874], trnT [complement(49953..50025)], trnL [51293..51888], trnF [52055..52127], trnV [complement(55083..55756)], trnM [55930..56002], trnW [complement(70807..70880)], trnP [complement(71076..71149)], trnI [complement(90729..90802)], trnL [complement(98682..98762)], trnV [105085..105156], rrn16 [105384..106874], trnI [107169..108191], trnA [108261..109136], rrn23 [109289..112101], rrn4.5 [112200..112302], rrn5 [112527..112647], trnR [112904..112977], trnN [complement(113609..113680)], trnL [119323..119402], trnN [135281..135352], trnR [complement(135984..136057)], rrn5 [complement(136314..136434)], rrn4.5 [complement(136659..136761)], rrn23 [complement(136860..139672)], trnA [complement(139825..140700)], trnI [complement(140771..141793)], rrn16 [complement(142087..143577)], trnV [complement(143805..143876)], trnL [150199..150279], trnI [158159..158232]
60.	ANFV	4	rrn16 [107600..109090], rrn23 [111507..114314], rrn4.5 [114421..114523], rrn5 [114757..114877]
61.	ANGD	8	rrn16 [94356..95847], rrn23 [98263..101150], rrn4.5 [101250..101344], rrn5 [101577..101697], rrn5 [complement(119564..119684)], rrn4.5 [complement(119917..120011)], rrn23 [complement(120111..122998)], rrn16 [complement(125414..126905)]
62.	ANGE	8	rrn16 [93547..95038], rrn23 [97459..100346], rrn4.5 [100446..100540], rrn5 [100773..100893], rrn5 [complement(118671..118791)], rrn4.5 [complement(119024..119118)], rrn23 [complement(119218..122105)], rrn16 [complement(124526..126017)]
63.	ANGR	8	rrn16 [100669..102159], rrn23 [104577..107391], rrn4.5 [107490..107592], rrn5 [107850..107970], rrn5 [complement(131894..132014)], rrn4.5 [complement(132272..132374)], rrn23 [complement(132473..135286)], rrn16 [complement(137704..139193)]
64.	ANGY	8	rrn16 [93557..95048], rrn23 [97463..100350], rrn4.5 [100450..100544], rrn5 [100776..100896], rrn5 [complement(118670..118790)], rrn4.5 [complement(119022..119116)], rrn23 [complement(119216..122103)], rrn16 [complement(124518..126009)]
65.	ANLX	8	rrn16 [100795..102285], rrn23 [104701..107523], rrn4.5 [107622..107724], rrn5 [107983..108103], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(132115..132235)], rrn4.5 [complement(132494..132596)], rrn23 [complement(132695..135517)], rrn16 [complement(137933..139422)]
66.	ANMA	5	orf82 [complement(82597..82845)], ORF137 [82968..83381], ORF63 [103059..103250], ORF63 [complement(117437..117628)], ORF137 [complement(137306..137719)]
67.	ANOC	8	rrn16 [110719..112209], rrn23 [114685..117498], rrn4.5 [117597..117699], rrn5 [117955..118075], rrn5 [complement(141852..141972)], rrn4.5 [complement(142228..142330)], rrn23 [complement(142429..145242)], rrn16 [complement(147718..149208)]
68.	ANOD	1	trnL [46348..46982]
69.	APAM	8	rrn16 [97654..99144], rrn23 [101556..104370], rrn4.5 [104471..104574], rrn5 [104796..104916], rrn5 [complement(126909..127029)], rrn4.5 [complement(127251..127354)], rrn23 [complement(127453..130267)], rrn16 [complement(132681..134171)]
70.	APCA	10	rps12 [complement(join(75151..120840,1..51689))], rps12 [complement(51576..107691)], rrn16 [77885..79369], rrn23 [80119..82928], rrn4.5 [83030..83132], rrn5 [83395..83515], rrn5 [complement(97675..97795)], rrn4.5 [complement(98058..98160)], rrn23 [complement(98259..101072)], rrn16 [complement(103494..104983)]
71.	APMU	8	rrn16 [95194..96685], rrn23 [99104..101991], rrn4.5 [102087..102181], rrn5 [102414..102534], rrn5 [complement(120162..120282)], rrn4.5 [complement(120515..120609)], rrn23 [complement(120705..123592)], rrn16 [complement(126011..127502)]
72.	AQMA	8	rrn16 [104085..105575], rrn23 [108013..110822], rrn4.5 [110921..111023], rrn5 [111253..111373], rrn5 [complement(150762..150882)], rrn4.5 [151112..151214], rrn23 [complement(151313..154122)], rrn16 [complement(156560..158050)]
73.	ARAG	8	rrn16 [99026..100515], rrn23 [102764..105573], rrn4.5 [105672..105774], rrn5 [106020..106140], rrn5 [complement(127983..128103)], rrn4.5 [complement(128349..128451)], rrn23 [complement(128550..131359)], rrn16 [complement(133607..135096)]
74.	ARAU	1	rrn5 [77964..78083]
75.	ARCA	8	rrn16 [104831..106321], rrn23 [108740..111549], rrn4.5 [111649..111751], rrn5 [111976..112096], rrn5 [complement(135143..135263)], rrn4.5 [complement(135488..135590)], rrn23 [complement(135689..138498)], rrn16 [complement(140918..142408)]
76.	ARCP	8	rrn16 [98917..100406], rrn23 [102655..105464], rrn4.5 [105563..105665], rrn5 [105911..106031], rrn5 [complement(127847..127967)], rrn4.5 [complement(128213..128315)], rrn23 [complement(128414..131223)], rrn16 [complement(133471..134960)]
77.	ARDE	8	rrn16 [95476..96967], rrn23 [99387..102274], rrn4.5 [102370..102464], rrn5 [102697..102817], rrn5 [complement(120607..120727)], rrn4.5 [complement(120960..121054)], rrn23 [complement(121150..124037)], rrn16 [complement(126457..127948)]
78.	ARFU	8	rrn16 [98856..100345], rrn23 [102595..105404], rrn4.5 [105502..105604], rrn5 [105850..105970], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(127813..127933)], rrn4.5 [complement(128179..128281)], rrn23 [complement(128379..131188)], rrn16 [complement(133437..134926)]
79.	ARGM	8	rrn16 [99158..100647], rrn23 [102897..105706], rrn4.5 [105805..105907], rrn5 [106153..106273], rrn5 [complement(128107..128227)], rrn4.5 [complement(128473..128575)], rrn23 [complement(128674..131483)], rrn16 [complement(133732..135221)]
80.	ARHS	8	rrn16 [95249..96740], rrn23 [99161..102048], rrn4.5 [102148..102242], rrn5 [102475..102595], rrn5 [complement(120330..120450)], rrn4.5 [complement(120683..120777)], rrn23 [complement(120877..123764)], rrn16 [complement(126185..127676)]
81.	ARHU	8	rrn16 [95180..96671], rrn23 [99098..101985], rrn4.5 [102081..102175], rrn5 [102403..102523], rrn5 [complement(121013..121133)], rrn4.5 [complement(121361..121455)], rrn23 [complement(121551..124438)], rrn16 [complement(126865..128356)]
82.	ARHY	8	rrn16 [102627..104117], rrn23 [106523..109337], rrn4.5 [109436..109539], rrn5 [109762..109882], rrn5 [complement(132456..132576)], rrn4.5 [complement(132799..132902)], rrn23 [complement(133001..135815)], rrn16 [complement(138221..139711)]
83.	ARLA	8	rrn16 [95149..96640], rrn23 [99061..101948], rrn4.5 [102048..102142], rrn5 [102376..102496], rrn5 [complement(120199..120319)], rrn4.5 [complement(120553..120647)], rrn23 [complement(120747..123634)], rrn16 [complement(126055..127546)]
84.	ARLP	1	ycf15 [137548..137739]
85.	ARMI	8	rrn16 [94630..96121], rrn23 [98537..101424], rrn4.5 [101524..101618], rrn5 [101851..101971], rrn5 [complement(119670..119790)], rrn4.5 [complement(120023..120117)], rrn23 [complement(120217..123104)], rrn16 [complement(125520..127011)]
86.	ARPR	8	rrn16 [95230..96721], rrn23 [99146..102033], rrn4.5 [102129..102223], rrn5 [102456..102576], rrn5 [complement(120294..120414)], rrn4.5 [complement(120647..120741)], rrn23 [complement(120837..123724)], rrn16 [complement(126149..127640)]
87.	ARPU	8	rrn16 [93262..94753], rrn23 [97172..100059], rrn4.5 [100155..100249], rrn5 [100477..100597], rrn5 [complement(118264..118384)], rrn4.5 [complement(118612..118706)], rrn23 [complement(118802..121689)], rrn16 [complement(124108..125599)]
88.	ARRU	8	rrn16 [92512..94003], rrn23 [96426..99313], rrn4.5 [99409..99503], rrn5 [99731..99851], rrn5 [complement(117527..117647)], rrn4.5 [complement(117875..117969)], rrn23 [complement(118065..120952)], rrn16 [complement(123375..124866)]
89.	ARTH	6	trnT [complement(46213..46285)], rrn5 [complement(130580..130700)], rrn4.5 [complement(130948..131050)], rrn23 [complement(131149..133958)], rrn16 [complement(136147..137637)], trnV [complement(137869..137940)]
90.	ARVE	4	rrn16 [102489..103979], rrn23 [106394..109203], rrn4.5 [109303..109405], rrn5 [109630..109750]
91.	ARXA	40	trnS [5953..6039], trnT [complement(7283..7355)], trnF [9097..9169], trnV [complement(12344..12985)], trnM

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[13160..13232], trnW [complement(26462..26535)], trnP [complement(26675..26748)], trnP [complement(26677..26747)], trnI [complement(46394..46467)], trnL [complement(53226..53306)], trnV [59528..59599], rrn16 [59827..61316], trnI [61612..62630], trnA [62695..63581], rrn23 [63734..66542], rrn4.5 [66646..66748], rrn5 [67007..67127], trnR [67385..67458], trnN [complement(68041..68112)], trnL [74703..74782], trnN [complement(90120..90191)], trnR [complement(90774..90847)], rrn5 [complement(91105..91225)], rrn4.5 [complement(91484..91586)], rrn23 [complement(91685..94493)], trnA [complement(94651..95537)], trnI [complement(95602..96620)], trnV [complement(98633..98704)], trnH [complement(104441..104515)], trnK [complement(108527..108563)], trnQ [complement(111623..111694)], trnS [complement(112766..112853)], trnR [114294..114365], trnC [132174..132254], trnD [complement(134978..135051)], trnY [complement(135172..135255)], trnE [complement(135331..135403)], trnT [135870..135941], trnS [complement(140065..140157)], trnG [140981..141051]
92.	ASOF	2	rpoA [complement(79049..80068)], rpl2 [154628..156113]
93.	ASTA	8	rrn16 [100858..102348], rrn23 [104604..107413], rrn4.5 [107512..107614], rrn5 [107860..107980], rrn5 [complement(129711..129831)], rrn4.5 [complement(130077..130179)], rrn23 [complement(130278..133087)], rrn16 [complement(135343..136833)]
94.	ATBE	1	ORF489 [111337..112806]
95.	ATSI	8	rrn16 [102799..104288], rrn23 [106358..109167], rrn4.5 [109269..109371], rrn5 [109628..109748], rrn5 [complement(133418..133538)], rrn4.5 [complement(133795..133897)], rrn23 [complement(133999..136808)], rrn16 [complement(138868..140357)]
96.	AVSA	1	trnL [46186..46601]
97.	AXFI	8	rrn16 [93956..95447], rrn23 [97872..100759], rrn4.5 [100855..100949], rrn5 [101177..101297], rrn5 [complement(119098..119218)], rrn4.5 [complement(119446..119540)], rrn23 [complement(119636..122523)], rrn16 [complement(124948..126439)]
98.	AXRA	8	rrn16 [94256..95747], rrn23 [98172..101059], rrn4.5 [101155..101249], rrn5 [101477..101597], rrn5 [complement(119420..119540)], rrn4.5 [complement(119768..119862)], rrn23 [complement(119958..122845)], rrn16 [complement(125270..126761)]
99.	AZIN	8	rrn16 [105373..106863], rrn23 [109297..112106], rrn4.5 [112205..112307], rrn5 [112564..112684], rrn5 [complement(136191..136311)], rrn4.5 [complement(136568..136670)], rrn23 [complement(136769..139578)], rrn16 [complement(142012..143502)]
100.	AZSE	8	rrn16 [complement(102355..103844)], rrn23 [106254..109060], rrn4.5 [complement(109159..109261)], rrn5 [109490..109610], rrn5 [complement(133756..133876)], rrn4.5 [134105..134207], rrn23 [complement(134307..137264)], rrn16 [139521..141011]
101.	AZTE	15	trnK [complement(1594..4219)], trnG [8254..9050], trnL [47033..47619], trnV [complement(51081..51753)], rrn16 [100383..101873], trnI [102172..103194], trnA [103259..104130], rrn4.5 [107198..107300], rrn5 [107514..107634], rrn5 [complement(129623..129743)], rrn4.5 [complement(129957..130059)], trnA

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(133127..133998)], trnI [complement(134063..135085)], rrn16 [complement(135384..136874)], trnI [151198..151271]
102.	BAAR	2	psaI [59224..59334], rpl32 [107822..108013]
103.	BAAU	8	rrn16 [104363..105853], rrn23 [108256..111065], rrn4.5 [111174..111276], rrn5 [111501..111621], rrn5 [complement(134257..134377)], rrn4.5 [complement(134602..134704)], rrn23 [complement(134803..137612)], rrn16 [complement(140025..141515)]
104.	BABE	8	rrn16 [103339..104829], rrn23 [107247..110056], rrn4.5 [110155..110258], rrn5 [110483..110603], rrn5 [complement(132943..133063)], rrn4.5 [complement(133288..133391)], rrn23 [complement(133490..136299)], rrn16 [complement(138717..140207)]
105.	BABR	8	rrn16 [102405..103895], rrn23 [106217..109026], rrn4.5 [109128..109230], rrn5 [109461..109581], rrn5 [complement(132253..132373)], rrn4.5 [132604..132706], rrn23 [complement(132808..135617)], rrn16 [complement(137939..139429)]
106.	BAKU	43	trnH [complement(1..71)], trnK [complement(1907..4516)], trnQ [complement(8467..8538)], trnS [complement(9859..9946)], trnG [10687..11492], trnR [11631..11702], trnC [30179..30257], trnD [complement(33458..33531)], trnY [complement(33948..34031)], trnT [34841..34912], trnS [complement(39106..39198)], trnG [40016..40086], trnM [complement(40285..40358)], trnS [48982..49068], trnT [complement(50331..50403)], trnF [51887..51959], trnV [complement(56254..56921)], trnM [57098..57169], trnW [complement(72206..72279)], trnP [complement(72423..72496)], trnI [92032..92105], trnL [complement(100017..100097)], trnV [106347..106418], rrn16 [106648..108138], trnI [108434..109459], trnA [109523..110388], rrn23 [110550..113359], rrn4.5 [113465..113567], rrn5 [113804..113924], trnR [114156..114229], trnN [complement(114801..114872)], trnL [119355..119434], trnN [135206..135277], trnR [complement(135849..135922)], rrn5 [complement(136154..136274)], rrn4.5 [complement(136511..136613)], rrn23 [complement(136712..139521)], trnA [complement(139690..140555)], trnI [complement(140619..141644)], rrn16 [complement(141940..143430)], trnV [complement(143660..143731)], trnL [149981..150061], trnI [157973..158046]
107.	BALO	1	rps12 [complement(join(102380..158359,1..74422))]
108.	BAOL	126	rps12 [complement(join(91716..92516,69640..69753))], psbA [complement(91..1152)], trnK [complement(1370..3968)], rps16 [complement(4499..5602)], trnQ [complement(6660..6732)], psbK [7084..7269], psbI [7667..7777], trnS [complement(7898..7985)], psbD [8985..10046], psbC [9994..11415], trnS [complement(11567..11654)], psbZ [11999..12187], trnM [complement(12977..13050)], trnG [complement(13141..13884)], trnT [15839..15905], trnE [16377..16449], trnY [16511..16594], trnD [16947..17020], psbM [18084..18188], petN [complement(18925..19014)], trnC [complement(19941..20011)], rpoB [21195..24422], rpoC1 [24460..26508], rpoC2 [26708..31270], rps2 [31559..32269], atpI [32520..33263], atpH [34080..34322], atpF [34780..36173], atpA [36266..37789], trnR [complement(37922..37993)], trnM [complement(38144..38200)], rps14 [complement(38368..38679)], psaB [complement(38837..41041)], psaA [complement(41067..43319)], ycf3 [complement(43938..45911)], trnS [46499..46585], rps4

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(46862..47467)], trnT [complement(47770..47842)], trnL [48647..49271], trnF [49626..49698], ndhJ [complement(50282..50761)], ndhK [complement(50860..51621)], ndhC [complement(51591..51953)], trnV [complement(52907..53580)], atpE [complement(53946..54359)], atpB [complement(54356..55852)], rbcL [56639..58072], ycf4 [59787..60344], cemA [60789..61481], petA [61706..62668], psbJ [complement(63653..63775)], psbL [complement(63901..64017)], psbF [complement(64040..64159)], psbE [complement(64170..64421)], petL [65646..65741], petG [65921..66034], trnW [complement(66157..66230)], trnP [complement(66361..66435)], psaJ [66824..66952], rpl33 [67406..67606], rps18 [67848..68360], rpl20 [complement(68584..68943)], clpP [complement(69894..70544)], psbB [71057..72583], psbT [72748..72855], psbN [complement(72904..73035)], psbH [73139..73360], petB [73490..74962], petD [75151..76381], rpoA [complement(76593..77612)], rps11 [complement(77677..78108)], rpl36 [complement(78279..78392)], infA [complement(78503..78844)], rps8 [complement(78957..79367)], rpl14 [complement(79507..79878)], rpl16 [complement(79958..81488)], rps3 [complement(81635..82354)], rpl22 [complement(82412..82861)], rps19 [complement(82935..83216)], trnH [83347..83421], rpl2 [complement(83477..84961)], rpl23 [complement(84980..85261)], trnH [complement(85436..85509)], trnW [complement(87997..88077)], ndhB [complement(88643..90887)], rps7 [complement(91187..91657)], trnV [94235..94306], rrn16 [94536..96027], trnI [96337..97361], trnA [97425..98309], rrn23 [98454..101341], rrn4.5 [101438..101532], rrn5 [101760..101880], trnR [102139..102212], trnN [complement(102468..102540)], rps15 [104109..104345], ndhH [104483..104680], ndhF [complement(104788..107007)], rpl32 [107919..108110], trnL [108829..108908], ccsA [108986..109963], ndhD [complement(110166..111668)], psaC [complement(111788..112033)], ndhE [complement(112536..112841)], ndhG [complement(113065..113595)], ndhI [complement(113834..114376)], ndhA [complement(114470..116574)], ndhH [complement(116576..117757)], rps15 [complement(117895..118131)], trnN [119700..119771], trnR [complement(120028..120101)], rrn5 [complement(120360..120480)], rrn4.5 [complement(120708..120802)], rrn23 [complement(120899..123786)], trnA [complement(123932..124815)], trnI [complement(124881..124903)], rrn16 [complement(126213..127704)], trnV [127934..128005], rps7 [130583..131053], ndhB [131353..133597], trnL [134163..134243], trnI [136731..136804], rpl23 [136979..137260], rpl2 [137279..138763], trnH [complement(138819..138893)], rps19 [139024..139305]
109.	BEAC	1	trnT [complement(46976..47048)]
110.	BEAM	8	rrn16 [100386..101876], rrn23 [104258..107061], rrn4.5 [107160..107262], rrn5 [107489..107608], rrn5 [complement(132628..132747)], rrn4.5 [complement(132974..133076)], rrn23 [complement(133175..135978)], rrn16 [complement(138360..139850)]
111.	BEBV	8	rrn16 [103749..105239], rrn23 [107646..110454], rrn4.5 [110553..110655], rrn5 [110889..111009], rrn5 [complement(133947..134067)], rrn4.5 [complement(134301..134403)], rrn23 [complement(134502..137310)], rrn16 [complement(139717..141207)]
112.	BEKO	8	rrn16 [100493..101983], rrn23 [104365..107168], rrn4.5 [107267..107369], rrn5 [107596..107715], rrn5 [complement(132752..132871)], rrn4.5 [complement(133098..133200)], rrn23 [complement(133299..136102)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(138484..139974)]
113.	BENA	8	rrn16 [105649..107139], rrn23 [109563..112372], rrn4.5 [112471..112573], rrn5 [112829..112949], rrn5 [complement(137123..137243)], rrn4.5 [complement(137499..137601)], rrn23 [complement(137700..140509)], rrn16 [complement(142933..144423)]
114.	BEPE	8	rrn5 [21870..21990], rrn4.5 [22246..22348], rrn23 [22447..25256], rrn16 [27680..29170], rrn16 [150940..152430], rrn23 [154854..157663], rrn4.5 [157762..157864], rrn5 [158120..158240]
115.	BESC	8	rrn16 [102183..103673], rrn23 [106118..108927], rrn4.5 [109026..109128], rrn5 [109385..109505], rrn5 [complement(132876..132996)], rrn4.5 [complement(133253..133355)], rrn23 [complement(133454..136263)], rrn16 [complement(138708..140198)]
116.	BESE	8	rrn16 [102614..104104], rrn23 [106508..109318], rrn4.5 [109417..109519], rrn5 [109741..109861], rrn5 [complement(132728..132848)], rrn4.5 [complement(133070..133172)], rrn23 [complement(133271..136080)], rrn16 [complement(138485..139975)]
117.	BINO	8	rrn16 [103733..105223], rrn23 [107642..110451], rrn4.5 [110551..110653], rrn5 [110878..110998], rrn5 [complement(133732..133852)], rrn4.5 [complement(134077..134179)], rrn23 [complement(134278..137087)], rrn16 [complement(139507..140997)]
118.	BLSC	1	trnT [complement(47263..47335)]
119.	BOAL	8	rrn16 [92340..93831], rrn23 [96252..99139], rrn4.5 [99235..99329], rrn5 [99562..99682], rrn5 [complement(117496..117616)], rrn4.5 [complement(117849..117943)], rrn23 [complement(118039..120926)], rrn16 [complement(123347..124838)]
120.	BOCE	1	psaA [complement(41346..43598)]
121.	BODE	8	rrn16 [93057..94548], rrn23 [96968..99855], rrn4.5 [99951..100045], rrn5 [100278..100398], rrn5 [complement(118243..118363)], rrn4.5 [complement(118596..118690)], rrn23 [complement(118786..121673)], rrn16 [complement(124093..125584)]
122.	BOLA	10	rps12 [complement(join(41042..80361,1..19641))], rps12 [complement(19528..66974)], rrn16 [43580..45069], rrn23 [45803..48611], rrn4.5 [48732..48834], rrn5 [49098..49218], rrn5 [complement(58671..58791)], rrn4.5 [complement(59055..59157)], rrn23 [complement(59250..62058)], rrn16 [complement(62814..64303)]
123.	BOMA	8	rrn16 [103548..105038], rrn23 [107452..110261], rrn4.5 [110361..110463], rrn5 [110688..110808], rrn5 [complement(133474..133594)], rrn4.5 [complement(133819..133921)], rrn23 [complement(134020..136829)], rrn16 [complement(139244..140734)]
124.	BOSE	8	rrn16 [17824..19298], rrn23 [21689..24547], rrn4.5 [24640..24742], rrn5 [24983..25103], rrn5 [complement(52358..52478)], rrn4.5 [complement(52719..52821)], rrn23 [complement(52914..55772)], rrn16 [complement(58163..59637)]
125.	BRAR	3	trnL [47301..47883], trnI [95282..96304], trnI [complement(122915..123937)]
126.	BRBR	8	rrn16 [103862..105352], rrn23 [107760..110569], rrn4.5 [110669..110771], rrn5 [110996..111116], rrn5 [complement(134068..134188)], rrn4.5 [complement(134413..134515)], rrn23 [complement(134614..137423)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(139832..141322)]
127.	BRDI	8	rrn16 [91021..92512], rrn23 [94794..97681], rrn4.5 [97777..97871], rrn5 [98098..98218], rrn5 [complement(116430..116550)], rrn4.5 [complement(116777..116871)], rrn23 [complement(116967..119853)], rrn16 [complement(122135..123626)]
128.	BRHY	8	rrn16 [92484..93975], rrn23 [96257..99144], rrn4.5 [99240..99334], rrn5 [99561..99681], rrn5 [complement(117902..118022)], rrn4.5 [complement(118249..118343)], rrn23 [complement(118439..121326)], rrn16 [complement(123608..125099)]
129.	BRJU	8	rrn16 [100087..101577], rrn23 [103771..106580], rrn4.5 [106679..106781], rrn5 [107029..107149], rrn5 [complement(129621..129741)], rrn4.5 [complement(129989..130091)], rrn23 [complement(130190..132999)], rrn16 [complement(135193..136683)]
130.	BRMA	1	trnL [46459..46961]
131.	BRNI	8	rrn16 [100353..101843], rrn23 [104037..106846], rrn4.5 [106945..107047], rrn5 [107295..107415], rrn5 [complement(129771..129891)], rrn4.5 [complement(130139..130241)], rrn23 [complement(130340..133149)], rrn16 [complement(135343..136833)]
132.	BRPO	1	rpl2 [complement(86526..88025)]
133.	BRSC	3	rps12 [complement(join(102467..158957,1..74444))], rpl2 [complement(88795..90273)], trnN [134141..134212]
134.	BRVU	8	rrn16 [92516..94007], rrn23 [96294..99181], rrn4.5 [99277..99371], rrn5 [99591..99711], rrn5 [complement(118188..118308)], rrn4.5 [complement(118528..118622)], rrn23 [complement(118718..121605)], rrn16 [complement(123892..125383)]
135.	BUBA	2	ycf68 [95338..95742], ycf68 [complement(124127..124531)]
136.	BUBI	8	rrn16 [101819..103308], rrn23 [105733..108542], rrn4.5 [108641..108743], rrn5 [109000..109120], rrn5 [complement(132996..133116)], rrn4.5 [complement(133373..133475)], rrn23 [complement(133574..136383)], rrn16 [complement(138807..140296)]
137.	BUFA	8	rrn16 [101701..103190], rrn23 [105613..108422], rrn4.5 [108521..108623], rrn5 [108880..109000], rrn5 [complement(132902..133022)], rrn4.5 [complement(133279..133381)], rrn23 [complement(133480..136289)], rrn16 [complement(138711..140200)]
138.	CAAA	8	rrn16 [100507..101997], rrn23 [104191..107000], rrn4.5 [107099..107201], rrn5 [107449..107569], rrn5 [complement(129915..130035)], rrn4.5 [complement(130283..130385)], rrn23 [complement(130525..133334)], rrn16 [complement(135325..136815)]
139.	CAAZ	8	rrn16 [103095..104584], rrn23 [107006..109814], rrn4.5 [109913..110015], rrn5 [110244..110364], rrn5 [complement(133350..133470)], rrn4.5 [complement(133699..133801)], rrn23 [complement(133900..136708)], rrn16 [complement(139128..140617)]
140.	CABL	8	rrn16 [101067..102556], rrn23 [104941..107747], rrn4.5 [107846..107948], rrn5 [108161..108281], rrn5 [complement(124904..125024)], rrn4.5 [complement(125237..125339)], rrn23 [complement(125438..128244)], rrn16 [complement(130629..132118)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
141.	CACA	8	rrn16 [102706..104196], rrn23 [106609..109418], rrn4.5 [109518..109620], rrn5 [109845..109965], rrn5 [complement(132831..132951)], rrn4.5 [complement(133176..133278)], rrn23 [complement(133377..136186)], rrn16 [complement(138600..140090)]
142.	CACE	1	rrn16 [complement(139061..140550)]
143.	CACJ	8	rrn16 [101090..102580], rrn23 [104995..107807], rrn4.5 [107909..108012], rrn5 [108246..108366], rrn5 [complement(129929..130049)], rrn4.5 [complement(130283..130386)], rrn23 [complement(130488..133300)], rrn16 [complement(135715..137205)]
144.	CACN	8	rrn16 [101683..103173], rrn23 [105577..108380], rrn4.5 [108479..108581], rrn5 [108793..108913], rrn5 [complement(131909..132029)], rrn4.5 [complement(132241..132343)], rrn23 [complement(132442..135245)], rrn16 [complement(137649..139139)]
145.	CACO	8	rrn16 [106230..107720], rrn23 [110132..112909], rrn4.5 [113021..113123], rrn5 [113380..113500], rrn5 [complement(137331..137451)], rrn4.5 [complement(137708..137810)], rrn23 [complement(137941..140718)], rrn16 [complement(143130..144620)]
146.	CACV	8	rrn16 [100340..101829], rrn23 [104247..107055], rrn4.5 [107154..107256], rrn5 [107512..107632], rrn5 [complement(131490..131610)], rrn4.5 [complement(131866..131968)], rrn23 [complement(132067..134875)], rrn16 [complement(137292..138781)]
147.	CACY	8	rrn16 [101991..103481], rrn23 [105890..108698], rrn4.5 [108797..108899], rrn5 [109129..109249], rrn5 [complement(133500..133620)], rrn4.5 [complement(133850..133952)], rrn23 [complement(134051..136859)], rrn16 [complement(139268..140758)]
148.	CAEC	8	rrn16 [106349..107839], rrn23 [110234..113011], rrn4.5 [113110..113212], rrn5 [113469..113589], rrn5 [complement(137453..137573)], rrn4.5 [complement(137830..137932)], rrn23 [complement(138031..140808)], rrn16 [complement(143203..144693)]
149.	CAEY	9	rrn16 [106428..107918], rrn23 [110331..113149], rrn4.5 [113248..113350], rrn5 [113598..113718], trnR [113982..114055], rrn5 [complement(137732..137852)], rrn4.5 [complement(138100..138202)], rrn23 [complement(138301..141119)], rrn16 [complement(143532..145022)]
150.	CAFI	4	rrn5 [complement(102514..102635)], rrn4.5 [complement(102850..102952)], rrn23 [complement(103051..105866)], rrn16 [complement(108265..109754)]
151.	CAFL	2	ORF1 [complement(99347..99574)], ORF2 [140708..140935]
152.	CAFR	8	rrn16 [103664..105163], rrn23 [107359..110181], rrn4.5 [110283..110385], rrn5 [110610..110730], rrn5 [complement(133468..133588)], rrn4.5 [complement(133813..133915)], rrn23 [complement(134017..136839)], rrn16 [complement(139035..140534)]
153.	CAGN	8	rrn16 [103043..104532], rrn23 [106954..109762], rrn4.5 [109861..109963], rrn5 [110192..110312], rrn5 [complement(133312..133432)], rrn4.5 [133663..133761], rrn23 [complement(133862..136670)], rrn16 [complement(139091..140579)]
154.	CAGR	8	rrn16 [103113..104602], rrn23 [107024..109832], rrn4.5 [109931..110033], rrn5 [110254..110374], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(133410..133530)], rrn4.5 [complement(133751..133853)], rrn23 [complement(133952..136760)], rrn16 [complement(139180..140669)]
155.	CAGU	45	trnH [complement(4..78)], trnK [complement(1873..4485)], trnQ [complement(8069..8140)], trnS [complement(9301..9388)], trnG [10178..10959], trnR [11115..11186], trnC [29567..29637], trnD [complement(32206..32279)], trnY [complement(32758..32841)], trnE [complement(32901..32973)], trnT [33572..33643], trnS [complement(37554..37646)], trnG [38771..38841], trnM [complement(39013..39086)], trnS [47741..47827], trnT [complement(49119..49191)], trnL [50167..50781], trnF [51152..51224], trnV [complement(54278..54943)], trnM [55134..55206], trnW [complement(69715..69788)], trnP [complement(69958..70031)], trnI [complement(89636..89709)], trnL [complement(97689..97769)], trnV [104014..104085], rrn16 [104326..105816], trnI [106111..107141], trnA [107212..108124], rrn23 [108288..111097], rrn4.5 [111196..111298], rrn5 [111555..111675], trnR [111927..112000], trnN [complement(112621..112692)], trnL [118586..118665], trnN [133837..133908], trnR [complement(134529..134602)], rrn5 [complement(134854..134974)], rrn4.5 [complement(135231..135333)], rrn23 [complement(135432..138241)], trnA [complement(138405..139317)], trnI [complement(139388..140418)], rrn16 [complement(140713..142203)], trnV [complement(142444..142515)], trnL [148760..148840], trnI [156820..156893]
156.	CAHA	8	rrn16 [106307..107797], rrn23 [110209..113018], rrn4.5 [113117..113219], rrn5 [113476..113596], rrn5 [complement(137364..137484)], rrn4.5 [complement(137741..137843)], rrn23 [complement(137942..140751)], rrn16 [complement(143163..144653)]
157.	CAJA	8	rrn16 [102696..104185], rrn23 [106608..109416], rrn4.5 [109515..109617], rrn5 [109846..109966], rrn5 [complement(132898..133018)], rrn4.5 [133247..133349], rrn23 [complement(133448..136256)], rrn16 [complement(138678..140167)]
158.	CALE	8	rrn16 [103104..104593], rrn23 [107015..109823], rrn4.5 [109922..110024], rrn5 [110253..110373], rrn5 [complement(133377..133497)], rrn4.5 [complement(133726..133828)], rrn23 [complement(133927..136735)], rrn16 [complement(139155..140644)]
159.	CALI	8	rrn16 [101504..102994], rrn23 [105421..108234], rrn4.5 [108336..108438], rrn5 [108674..108794], rrn5 [complement(131964..132084)], rrn4.5 [complement(132320..132422)], rrn23 [complement(132524..135337)], rrn16 [complement(137764..139254)]
160.	CALY	8	rrn16 [103024..104513], rrn23 [106719..109528], rrn4.5 [109633..109735], rrn5 [109960..110080], rrn5 [complement(133317..133437)], rrn4.5 [complement(133662..133764)], rrn23 [complement(133866..136675)], rrn16 [complement(138874..140363)]
161.	CAMI	8	rrn16 [104883..106373], rrn23 [108792..111601], rrn4.5 [111701..111803], rrn5 [112028..112148], rrn5 [complement(135206..135326)], rrn4.5 [complement(135551..135653)], rrn23 [complement(135752..138561)], rrn16 [complement(140981..142471)]
162.	CAMO	8	rrn16 [106439..107929], rrn23 [110341..113150], rrn4.5 [113249..113351], rrn5 [113608..113728], rrn5 [complement(137504..137624)], rrn4.5 [complement(137881..137983)], rrn23 [complement(138082..140891)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(143303..144793)]
163.	CAOL	8	rrn16 [102910..104399], rrn23 [106821..109629], rrn4.5 [109728..109830], rrn5 [110050..110170], rrn5 [complement(133107..133227)], rrn4.5 [complement(133456..133558)], rrn23 [complement(133657..136465)], rrn16 [complement(138886..140375)]
164.	CAPE	8	rrn16 [103116..104605], rrn23 [107027..109835], rrn4.5 [109934..110036], rrn5 [110265..110385], rrn5 [complement(133396..133516)], rrn4.5 [complement(133745..133847)], rrn23 [complement(133946..136754)], rrn16 [complement(139174..140663)]
165.	CAPL	8	rrn16 [103933..105423], rrn23 [107835..110645], rrn4.5 [110744..110846], rrn5 [111074..111194], rrn5 [complement(134473..134593)], rrn4.5 [complement(134821..134923)], rrn23 [complement(135022..137832)], rrn16 [complement(140244..141734)]
166.	CAPN	1	petG [complement(34137..34250)]
167.	CAPO	8	rrn16 [103088..104577], rrn23 [106999..109807], rrn4.5 [109906..110008], rrn5 [110237..110357], rrn5 [complement(133372..133492)], rrn4.5 [133721..133823], rrn23 [complement(133922..136730)], rrn16 [complement(139151..140640)]
168.	CAPU	8	rrn16 [103093..104582], rrn23 [107004..109812], rrn4.5 [109911..110013], rrn5 [110234..110354], rrn5 [complement(133372..133492)], rrn4.5 [complement(133713..133815)], rrn23 [complement(133914..136722)], rrn16 [complement(139142..140631)]
169.	CARE	8	rrn16 [103047..104536], rrn23 [106958..109766], rrn4.5 [109865..109967], rrn5 [110196..110316], rrn5 [complement(133255..133375)], rrn4.5 [complement(133604..133706)], rrn23 [complement(133805..136613)], rrn16 [complement(139033..140522)]
170.	CARH	5	rrn5 [35166..35286], rrn16 [35686..37210], rrn23 [39425..42228], rrn4.5 [42237..42333], rrn5 [42615..42735]
171.	CARN	8	rrn16 [102713..104202], rrn23 [106624..109432], rrn4.5 [109531..109633], rrn5 [109862..109982], rrn5 [complement(132961..133081)], rrn4.5 [133310..133412], rrn23 [complement(133511..136319)], rrn16 [complement(138740..140229)]
172.	CASC	8	rrn16 [101847..103337], rrn23 [105752..108561], rrn4.5 [108660..108762], rrn5 [108984..109104], rrn5 [complement(131712..131832)], rrn4.5 [complement(132054..132156)], rrn23 [complement(132255..135064)], rrn16 [complement(137479..138969)]
173.	CAST	8	rrn16 [100354..101844], rrn23 [104261..107069], rrn4.5 [107169..107271], rrn5 [107536..107656], rrn5 [complement(130226..130346)], rrn4.5 [complement(130611..130713)], rrn23 [complement(130812..133620)], rrn16 [complement(136038..137528)]
174.	CASY	8	rrn16 [104297..105786], rrn23 [108187..110993], rrn4.5 [111092..111194], rrn5 [111412..111532], rrn5 [complement(134590..134710)], rrn4.5 [complement(134928..135030)], rrn23 [complement(135129..137935)], rrn16 [complement(140336..141825)]
175.	CATI	8	rrn16 [100285..101774], rrn23 [104193..107001], rrn4.5 [107101..107203], rrn5 [107449..107569], rrn5 [complement(129712..129832)], rrn4.5 [complement(130078..130180)], rrn23 [complement(130279..133087)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(135506..136995)]
176.	CAVE	8	rrn16 [92971..94462], rrn23 [96882..99769], rrn4.5 [99865..99959], rrn5 [100192..100312], rrn5 [complement(118077..118197)], rrn4.5 [complement(118430..118524)], rrn23 [complement(118620..121507)], rrn16 [complement(123927..125418)]
177.	CEDI	8	rrn16 [99759..101248], rrn23 [103686..106494], rrn4.5 [106594..106696], rrn5 [106942..107062], rrn5 [complement(129094..129214)], rrn4.5 [complement(129460..129562)], rrn23 [complement(129661..132469)], rrn16 [complement(134907..136396)]
178.	CEJA	8	rrn16 [complement(2441..3930)], rrn16 [125389..126878], rrn23 [129319..132128], rrn4.5 [132228..132330], rrn5 [132587..132707], rrn5 [complement(156467..156587)], rrn4.5 [complement(156844..156946)], rrn23 [complement(157045..159854)]
179.	CELA	8	rrn16 [94229..95720], rrn23 [98145..101032], rrn4.5 [101128..101222], rrn5 [101450..101570], rrn5 [complement(119346..119466)], rrn4.5 [complement(119694..119788)], rrn23 [complement(119884..122771)], rrn16 [complement(125196..126687)]
180.	CEPA	8	rrn16 [100830..102320], rrn23 [104728..107538], rrn4.5 [107637..107739], rrn5 [107972..108092], rrn5 [complement(130781..130901)], rrn4.5 [complement(131134..131236)], rrn23 [complement(131335..134145)], rrn16 [complement(136553..138043)]
181.	CESL	8	rrn16 [102490..103980], rrn23 [106398..109207], rrn4.5 [109306..109409], rrn5 [109634..109754], rrn5 [complement(132415..132535)], rrn4.5 [complement(132760..132863)], rrn23 [complement(132962..135771)], rrn16 [complement(138189..139679)]
182.	CHAL	12	trnQ [complement(6476..6547)], trnS [complement(7802..7889)], trnT [30740..30811], trnS [complement(34710..34802)], trnG [35688..35757], trnM [complement(35989..36062)], trnT [complement(46331..46403)], trnF [48189..48261], trnP [complement(65803..65876)], trnL [complement(92407..92487)], trnV [98369..98440], trnL [113293..113372]
183.	CHBR	8	rrn16 [94022..95513], rrn23 [97933..100819], rrn4.5 [100915..101009], rrn5 [101237..101357], rrn5 [complement(119148..119268)], rrn4.5 [complement(119496..119590)], rrn23 [complement(119686..122572)], rrn16 [complement(124992..126483)]
184.	CHFI	12	trnQ [complement(6465..6536)], trnS [complement(7780..7867)], trnT [30679..30750], trnS [complement(34649..34741)], trnG [35627..35696], trnM [complement(35928..36001)], trnT [complement(46253..46325)], trnF [48113..48185], trnP [complement(65786..65859)], trnL [complement(92381..92461)], trnV [98344..98415], trnL [113042..113121]
185.	CHFO	4	rrn5 [complement(56847..56967)], rrn4.5 [complement(57280..57376)], rrn23 [complement(57378..60349)], rrn16 [complement(62794..64305)]
186.	CHGR	8	rrn16 [94812..96303], rrn23 [98719..101606], rrn4.5 [101706..101800], rrn5 [102033..102153], rrn5 [complement(119905..120025)], rrn4.5 [complement(120258..120352)], rrn23 [complement(120452..123339)], rrn16 [complement(125755..127246)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
187.	CHHA	8	rrn5 [complement(91030..91150)], rrn4.5 [complement(91369..91471)], rrn23 [complement(91570..94373)], rrn16 [complement(96781..98271)], rrn16 [151651..153141], rrn23 [155542..158345], rrn4.5 [158451..158553], rrn5 [158772..158892]
188.	CHHU	8	rrn16 [103570..105060], rrn23 [107468..110277], rrn4.5 [110377..110479], rrn5 [110704..110824], rrn5 [complement(134062..134182)], rrn4.5 [complement(134407..134509)], rrn23 [complement(134608..137417)], rrn16 [complement(139826..141316)]
189.	CHJA	8	rrn16 [103927..105416], rrn23 [107832..110635], rrn4.5 [110745..110847], rrn5 [111072..111192], rrn5 [complement(135063..135183)], rrn4.5 [complement(135408..135510)], rrn23 [complement(135609..138412)], rrn16 [complement(140839..142328)]
190.	CHJP	8	rrn16 [104665..106155], rrn23 [108570..111378], rrn4.5 [111477..111579], rrn5 [111833..111953], rrn5 [complement(136188..136308)], rrn4.5 [complement(136562..136664)], rrn23 [complement(136763..139571)], rrn16 [complement(141986..143476)]
191.	CHLA	8	rrn16 [95612..97103], rrn23 [99523..102410], rrn4.5 [102510..102604], rrn5 [102832..102952], rrn5 [complement(121088..121208)], rrn4.5 [complement(121436..121530)], rrn23 [complement(121630..124517)], rrn16 [complement(126937..128428)]
192.	CHLI	2	rps12 [complement(join(90344..91144,68264..68377))], rps12 [join(complement(68264..68377),128359..129159)]
193.	CHMA	8	rrn16 [92274..93765], rrn23 [95954..98841], rrn4.5 [98937..99031], rrn5 [99260..99380], rrn5 [complement(117229..117349)], rrn4.5 [complement(117578..117672)], rrn23 [complement(117768..120655)], rrn16 [complement(122844..124335)]
194.	CHNA	8	rrn16 [100457..101947], rrn23 [104371..107180], rrn4.5 [107280..107382], rrn5 [107607..107727], rrn5 [complement(130363..130483)], rrn4.5 [complement(130708..130810)], rrn23 [complement(130909..133718)], rrn16 [complement(136143..137633)]
195.	CHNI	8	rrn16 [101337..102827], rrn23 [105232..108035], rrn4.5 [108134..108236], rrn5 [108448..108568], rrn5 [complement(131565..131685)], rrn4.5 [complement(131897..131999)], rrn23 [complement(132098..134901)], rrn16 [complement(137306..138796)]
196.	CHOR	8	rrn16 [95455..96946], rrn23 [99363..102250], rrn4.5 [102350..102444], rrn5 [102679..102799], rrn5 [complement(120565..120685)], rrn4.5 [complement(120920..121014)], rrn23 [complement(121114..124001)], rrn16 [complement(126418..127909)]
197.	CHPO	8	rrn16 [103152..104642], rrn23 [107055..109864], rrn4.5 [109963..110065], rrn5 [110287..110407], rrn5 [complement(133238..133358)], rrn4.5 [complement(133580..133682)], rrn23 [complement(133781..136590)], rrn16 [complement(139003..140493)]
198.	CHPR	8	rrn16 [101368..102858], rrn23 [105263..108066], rrn4.5 [108165..108267], rrn5 [108479..108599], rrn5 [complement(131566..131686)], rrn4.5 [complement(131898..132000)], rrn23 [complement(132099..134902)], rrn16 [complement(137307..138797)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
199.	CHSP	8	rrn16 [103297..104786], rrn23 [107197..110000], rrn4.5 [110110..110212], rrn5 [110436..110556], rrn5 [complement(134205..134325)], rrn4.5 [complement(134549..134651)], rrn23 [complement(134750..137553)], rrn16 [complement(139975..141464)]
200.	CHSR	8	rrn16 [95455..96946], rrn23 [99367..102254], rrn4.5 [102350..102444], rrn5 [102682..102802], rrn5 [complement(120555..120675)], rrn4.5 [complement(120913..121007)], rrn23 [complement(121103..123990)], rrn16 [complement(126411..127902)]
201.	CHZI	8	rrn16 [94747..96238], rrn23 [98654..101541], rrn4.5 [101641..101735], rrn5 [101968..102088], rrn5 [complement(119838..119958)], rrn4.5 [complement(120191..120285)], rrn23 [complement(120385..123272)], rrn16 [complement(125688..127179)]
202.	CIAR	4	rrn16 [97198..98688], rrn23 [100976..103783], rrn4.5 [103884..103987], rrn5 [104187..104307]
203.	CIDP	8	rrn16 [105067..106557], rrn23 [108989..111797], rrn4.5 [111896..111998], rrn5 [112255..112375], rrn5 [complement(135479..135599)], rrn4.5 [complement(135875..135977)], rrn23 [complement(136076..138884)], rrn16 [complement(141315..142805)]
204.	CILO	8	rrn16 [102389..103879], rrn23 [106334..109144], rrn4.5 [109243..109345], rrn5 [109614..109734], rrn5 [complement(133812..133932)], rrn4.5 [complement(134201..134303)], rrn23 [complement(134402..137212)], rrn16 [complement(139667..141157)]
205.	CIMA	8	rrn16 [105057..106546], rrn23 [108979..111787], rrn4.5 [111886..111988], rrn5 [112245..112365], rrn5 [complement(135507..135627)], rrn4.5 [complement(135884..135986)], rrn23 [complement(136085..138893)], rrn16 [complement(141325..142814)]
206.	CIMI	8	rrn16 [103815..105305], rrn23 [107658..110461], rrn4.5 [110567..110669], rrn5 [110890..111010], rrn5 [complement(135327..135447)], rrn4.5 [complement(135669..135771)], rrn23 [complement(135870..138673)], rrn16 [complement(141033..142523)]
207.	CIPH	9	rps12 [complement(join(49167..94380,1..23688))], rps12 [23575..77863], rrn16 [51789..53278], rrn23 [54877..57892], rrn4.5 [57791..57893], rrn5 [58116..58236], rrn5 [complement(68794..68914)], rrn4.5 [complement(69137..69239)], rrn23 [complement(69338..72153)]
208.	CIRE	8	rrn16 [105039..106528], rrn23 [108959..111768], rrn4.5 [111867..111969], rrn5 [112226..112346], rrn5 [complement(135485..135605)], rrn4.5 [complement(135862..135964)], rrn23 [complement(136063..138872)], rrn16 [complement(141302..142791)]
209.	CISI	8	rrn16 [105059..106549], rrn23 [108981..111789], rrn4.5 [111888..111990], rrn5 [112247..112367], rrn5 [complement(135507..135627)], rrn4.5 [complement(135884..135986)], rrn23 [complement(136085..138893)], rrn16 [complement(141324..142814)]
210.	CIVE	8	rrn16 [103866..105356], rrn23 [107709..110519], rrn4.5 [110618..110720], rrn5 [110941..111062], rrn5 [complement(135410..135531)], rrn4.5 [complement(135752..135854)], rrn23 [complement(135953..138763)], rrn16 [complement(141116..142606)]
211.	CIVU	1	trnG-UCC [complement(29731..30508)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
212.	CLLO	8	rrn16 [100166..101656], rrn23 [104068..106876], rrn4.5 [106976..107078], rrn5 [107303..107423], rrn5 [complement(131600..131720)], rrn4.5 [complement(131945..132047)], rrn23 [complement(132145..134955)], rrn16 [complement(137367..138857)]
213.	COAF	8	rrn16 [91276..92767], rrn23 [95190..98077], rrn4.5 [98173..98267], rrn5 [98501..98621], rrn5 [complement(116508..116628)], rrn4.5 [complement(116862..116956)], rrn23 [complement(117052..119939)], rrn16 [complement(122362..123853)]
214.	COAM	5	rpl2 [complement(join(31513..45673,1..13735))], rrn16 [33687..35171], rrn23 [35572..38362], rrn4.5 [38475..38577], rrn5 [38758..38877]
215.	COAR	8	rrn16 [101336..102826], rrn23 [105239..108048], rrn4.5 [108148..108250], rrn5 [108502..108622], rrn5 [complement(131734..131854)], rrn4.5 [complement(132106..132208)], rrn23 [complement(132307..135116)], rrn16 [complement(137530..139020)]
216.	COBE	8	rrn16 [80482..81971], rrn23 [84368..87174], rrn4.5 [87273..87375], rrn5 [87587..87707], rrn5 [complement(100357..100477)], rrn4.5 [complement(100689..100791)], rrn23 [complement(100890..103696)], rrn16 [complement(106093..107582)]
217.	COBO	2	rrn5 [107557..107677], rrn5 [complement(130583..130703)]
218.	COBU	8	rrn16 [99909..101398], rrn23 [103802..106608], rrn4.5 [106707..106809], rrn5 [107022..107142], rrn5 [complement(124353..124473)], rrn4.5 [complement(124686..124788)], rrn23 [complement(124887..127693)], rrn16 [complement(130097..131586)]
219.	COCO	8	rrn16 [102974..104464], rrn23 [106878..109687], rrn4.5 [109787..109889], rrn5 [110114..110234], rrn5 [complement(133257..133377)], rrn4.5 [complement(133602..133704)], rrn23 [complement(133803..136612)], rrn16 [complement(139027..140517)]
220.	COEX	45	trnH [complement(9..83)], trnK [complement(1886..4495)], trnQ [complement(7579..7650)], trnS [complement(8830..8917)], trnG [9699..10516], trnR [10768..10839], trnC [29552..29622], trnD [complement(32230..32303)], trnY [complement(32737..32820)], trnE [complement(32880..32952)], trnT [33872..33943], trnS [complement(38094..38186)], trnG [39601..39671], trnM [complement(39847..39920)], trnS [48655..48741], trnT [complement(49821..49893)], trnL [51153..51748], trnF [51915..51987], trnV [complement(54950..55623)], trnM [55797..55869], trnW [complement(70622..70695)], trnP [complement(70896..70969)], trnI [complement(90536..90609)], trnL [complement(98507..98587)], trnV [104909..104980], rrn16 [105208..106698], trnI [106993..108015], trnA [108085..108960], rrn23 [109113..111925], rrn4.5 [112024..112126], rrn5 [112351..112471], trnR [112728..112801], trnN [complement(113433..113504)], trnL [119128..119207], trnN [135031..135102], trnR [complement(135734..135807)], rrn5 [complement(136064..136184)], rrn4.5 [complement(136409..136511)], rrn23 [complement(136610..139422)], trnA [complement(139575..140450)], trnI [complement(140521..141543)], rrn16 [complement(141837..143327)], trnV [complement(143555..143626)], trnL [149948..150028], trnI [157926..157999]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
221.	COFO	1	rrn16 [complement(141545..143035)]
222.	COGL	2	rrn16 [105116..106606], rrn16 [complement(141549..143039)]
223.	COGU	45	trnH [complement(9..83)], trnK [complement(1893..4493)], trnQ [complement(7578..7649)], trnS [complement(8846..8933)], trnG [9731..10547], trnR [10799..10870], trnC [29262..29332], trnD [complement(31966..32039)], trnY [complement(32481..32564)], trnE [complement(32624..32696)], trnT [33635..33706], trnS [complement(37813..37905)], trnG [39393..39463], trnM [complement(39639..39712)], trnS [48355..48441], trnT [complement(49520..49592)], trnL [50896..51481], trnF [51648..51720], trnV [complement(54683..55355)], trnM [55529..55601], trnW [complement(70378..70451)], trnP [complement(70649..70722)], trnI [complement(90324..90397)], trnL [complement(98277..98357)], trnV [104672..104743], rrn16 [104971..106461], trnI [106756..107778], trnA [107848..108723], rrn23 [108876..111688], rrn4.5 [111787..111889], rrn5 [112114..112234], trnR [112493..112566], trnN [complement(113198..113269)], trnL [120010..120089], trnN [135755..135826], trnR [complement(136458..136531)], rrn5 [complement(136790..136910)], rrn4.5 [complement(137135..137237)], rrn23 [complement(137336..140148)], trnA [complement(140301..141176)], trnI [complement(141247..142269)], rrn16 [complement(142563..144053)], trnV [complement(144281..144352)], trnL [150667..150747], trnI [158627..158700]
224.	COHE	8	rrn16 [105275..106765], rrn23 [109180..111992], rrn4.5 [112091..112193], rrn5 [112418..112538], rrn5 [complement(136147..136267)], rrn4.5 [complement(136492..136594)], rrn23 [complement(136693..139505)], rrn16 [complement(141920..143410)]
225.	COIS	2	rrn5 [107576..107696], rrn5 [complement(130555..130675)]
226.	COLC	8	rrn16 [100142..101632], rrn23 [104029..106838], rrn4.5 [106938..107040], rrn5 [107265..107385], rrn5 [complement(129857..129977)], rrn4.5 [complement(130202..130304)], rrn23 [complement(130403..133212)], rrn16 [complement(135610..137100)]
227.	COMA	45	trnH [complement(9..83)], trnK [complement(1889..4499)], trnQ [complement(7584..7655)], trnS [complement(8847..8934)], trnG [9719..10536], trnR [10788..10859], trnC [29572..29642], trnD [complement(32253..32326)], trnY [complement(32760..32843)], trnE [complement(32903..32975)], trnT [33887..33958], trnS [complement(38105..38197)], trnG [39685..39755], trnM [complement(39931..40004)], trnS [48737..48823], trnT [complement(49903..49975)], trnL [51233..51828], trnF [51996..52068], trnV [complement(54945..55619)], trnM [55793..55865], trnW [complement(70645..70718)], trnP [complement(70919..70992)], trnI [complement(90571..90644)], trnL [complement(98542..98622)], trnV [104944..105015], rrn16 [105243..106733], trnI [107028..108050], trnA [108120..108995], rrn23 [109148..111960], rrn4.5 [112059..112161], rrn5 [112386..112506], trnR [112763..112836], trnN [complement(113468..113539)], trnL [119154..119233], trnN [135064..135135], trnR [complement(135767..135840)], rrn5 [complement(136097..136217)], rrn4.5 [complement(136442..136544)], rrn23 [complement(136643..139455)], trnA [complement(139608..140483)], trnI [complement(140554..141576)], rrn16 [complement(141870..143360)], trnV [complement(143588..143659)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			trnL [149981..150061], trnI [157959..158032]
228.	COMC	8	rrn16 [101318..102807], rrn23 [105219..108025], rrn4.5 [108124..108226], rrn5 [108439..108559], rrn5 [complement(126734..126854)], rrn4.5 [complement(127067..127169)], rrn23 [complement(127268..130074)], rrn16 [complement(132486..133975)]
229.	COME	8	rrn16 [98046..99535], rrn23 [101937..104740], rrn4.5 [104851..104953], rrn5 [105166..105286], rrn5 [complement(123765..123885)], rrn4.5 [complement(124098..124200)], rrn23 [complement(124299..127102)], rrn16 [complement(129516..131005)]
230.	COOD	8	rrn16 [98474..99963], rrn23 [102371..105177], rrn4.5 [105276..105378], rrn5 [105591..105711], rrn5 [complement(123866..123986)], rrn4.5 [complement(124199..124301)], rrn23 [complement(124400..127206)], rrn16 [complement(129614..131103)]
231.	COOF	10	trnW [complement(69367..69440)], trnP [complement(69608..69681)], rrn16 [complement(103733..105223)], rrn23 [107638..110452], rrn4.5 [complement(110550..110653)], rrn5 [complement(110909..111027)], rrn5 [134544..134661], rrn4.5 [134917..135020], rrn23 [complement(135118..137932)], rrn16 [140348..141838]
232.	COPR	8	rrn16 [94664..96155], rrn23 [98575..101462], rrn4.5 [101558..101652], rrn5 [101880..102000], rrn5 [complement(119784..119904)], rrn4.5 [complement(120132..120226)], rrn23 [complement(120322..123209)], rrn16 [complement(125629..127120)]
233.	COPY	2	rrn5 [107519..107639], rrn5 [complement(130554..130674)]
234.	COQU	1	rpl16 [complement(80706..81961)]
235.	COSA	1	rrn23 [complement(135373..138186)]
236.	COSE	8	rrn16 [90695..92186], rrn23 [94375..97262], rrn4.5 [97358..97452], rrn5 [97680..97800], rrn5 [complement(115397..115517)], rrn4.5 [complement(115745..115839)], rrn23 [complement(115935..118822)], rrn16 [complement(121011..122502)]
237.	COST	8	rrn16 [80431..81920], rrn23 [84307..87113], rrn4.5 [87212..87314], rrn5 [87526..87646], rrn5 [complement(100298..100418)], rrn4.5 [complement(100630..100732)], rrn23 [complement(100831..103637)], rrn16 [complement(106024..107513)]
238.	COTE	45	trnH [complement(9..83)], trnK [complement(1890..4499)], trnQ [complement(7575..7646)], trnS [complement(8831..8918)], trnG [9702..10517], trnR [10769..10840], trnC [29542..29612], trnD [complement(32228..32301)], trnY [complement(32735..32818)], trnE [complement(32878..32950)], trnT [33869..33940], trnS [complement(38038..38130)], trnG [39616..39686], trnM [complement(39862..39935)], trnS [48714..48800], trnT [complement(49880..49952)], trnL [51210..51805], trnF [51973..52045], trnV [complement(55026..55699)], trnM [55873..55945], trnW [complement(70709..70782)], trnP [complement(70983..71056)], trnI [complement(90631..90704)], trnL [complement(98602..98682)], trnV [105004..105075], rrn16 [105303..106793], trnI [107088..108110], trnA [108180..109055], rrn23 [109208..112020], rrn4.5 [112119..112221], rrn5 [112446..112566], trnR [112823..112896], trnN [complement(113528..113599)], trnL [119239..119318], trnN [135146..135217], trnR

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(135849..135922)], rrn5 [complement(136179..136299)], rrn4.5 [complement(136524..136626)], rrn23 [complement(136725..139537)], trnA [complement(139690..140565)], trnI [complement(140636..141658)], rrn16 [complement(141952..143442)], trnV [complement(143670..143741)], trnL [150063..150143], trnI [158041..158114]
239.	COTI	2	rrn5 [107696..107816], rrn5 [complement(130695..130815)]
240.	COTO	8	rrn16 [105180..106670], rrn23 [109085..111897], rrn4.5 [111996..112098], rrn5 [112323..112443], rrn5 [complement(136046..136166)], rrn4.5 [complement(136391..136493)], rrn23 [complement(136592..139404)], rrn16 [complement(141819..143309)]
241.	COTR	8	rrn16 [100416..101905], rrn23 [104313..107119], rrn4.5 [107218..107320], rrn5 [107537..107657], rrn5 [complement(124818..124938)], rrn4.5 [complement(125155..125257)], rrn23 [complement(125356..128162)], rrn16 [complement(130570..132059)]
242.	COWI	8	rrn16 [98970..100459], rrn23 [102875..105681], rrn4.5 [105780..105882], rrn5 [106095..106215], rrn5 [complement(122573..122693)], rrn4.5 [complement(122906..123008)], rrn23 [complement(123107..125913)], rrn16 [complement(128329..129818)]
243.	CRAB	8	rrn16 [94026..95517], rrn23 [97949..100836], rrn4.5 [100932..101026], rrn5 [101254..101374], rrn5 [complement(119243..119363)], rrn4.5 [complement(119591..119685)], rrn23 [complement(119781..122668)], rrn16 [complement(125100..126591)]
244.	CRCH	8	rrn16 [102265..103755], rrn23 [106111..108921], rrn4.5 [109020..109122], rrn5 [109343..109464], rrn5 [complement(133404..133525)], rrn4.5 [complement(133746..133848)], rrn23 [complement(133947..136757)], rrn16 [complement(139113..140603)]
245.	CRHA	8	rrn16 [103745..105235], rrn23 [107657..110429], rrn4.5 [110530..110633], rrn5 [110857..110977], rrn5 [complement(134400..134520)], rrn4.5 [complement(134744..134847)], rrn23 [complement(134946..137737)], rrn16 [complement(140174..141672)]
246.	CRHE	8	rrn16 [99521..101011], rrn23 [103417..106227], rrn4.5 [106326..106428], rrn5 [106656..106776], rrn5 [complement(129476..129596)], rrn4.5 [complement(129824..129926)], rrn23 [complement(130025..132835)], rrn16 [complement(135241..136731)]
247.	CRJA	36	trnP [20890..20963], trnW [21114..21187], trnM [complement(32771..32843)], trnV [33007..33606], trnH [complement(40112..40186)], trnI [40475..40547], trnK [complement(42224..44717)], trnQ [complement(47993..48065)], trnT [48224..48296], trnS [49448..49534], trnM [57741..57814], trnG [complement(57942..58012)], trnS [58695..58781], trnE [62916..62988], trnY [63051..63134], trnD [63348..63421], trnC [complement(66061..66131)], trnR [complement(82327..82398)], trnG [complement(82575..83432)], trnS [84233..84317], trnQ [85619..85691], trnL [85945..86502], trnF [86794..86866], trnN [complement(99194..99265)], trnR [complement(100020..100093)], rrn5 [complement(100195..100315)], rrn4.5 [complement(100631..100732)], rrn23 [complement(100734..103586)], trnA [complement(103721..104565)], trnI [complement(104617..105546)], rrn16

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(106073..107583)], trnV [complement(108141..108212)], trnI [complement(113236..113308)], trnL [complement(121104..121184)], trnP [complement(129632..129705)], trnL [129839..129918]
248.	CRJP	8	rrn16 [99659..101149], rrn23 [103555..106365], rrn4.5 [106464..106566], rrn5 [106794..106914], rrn5 [complement(129740..129860)], rrn4.5 [complement(130088..130190)], rrn23 [complement(130289..133099)], rrn16 [complement(135505..136995)]
249.	CRLO	8	rrn16 [94102..95593], rrn23 [98025..100912], rrn4.5 [101008..101102], rrn5 [101330..101450], rrn5 [complement(119362..119482)], rrn4.5 [complement(119710..119804)], rrn23 [complement(119900..122787)], rrn16 [complement(125219..126710)]
250.	CRMA	8	rrn16 [102585..104075], rrn23 [106490..109303], rrn4.5 [109402..109504], rrn5 [109762..109882], rrn5 [complement(133704..133824)], rrn4.5 [complement(134082..134184)], rrn23 [complement(134283..137096)], rrn16 [complement(139511..141001)]
251.	CRPA	8	rrn16 [100140..101630], rrn23 [104036..106846], rrn4.5 [106945..107047], rrn5 [107275..107395], rrn5 [complement(130296..130416)], rrn4.5 [complement(130644..130746)], rrn23 [complement(130845..133655)], rrn16 [complement(136061..137551)]
252.	CUBN	1	rps12 [complement(13678..56718)]
253.	CUCR	1	orf56 [133123..133239]
254.	CUGR	1	ORF404 [64371..65585]
255.	CUHT	32	trnH [complement(44..117)], trnS [8732..8819], trnR [10583..10654], trnC [29045..29116], trnY [32598..32681], trnE [32741..32813], trnT [33754..33825], trnS [37554..37646], trnG [38630..38700], trnM [38927..39000], trnS [47413..47499], trnT [48738..48810], trnF [50758..50830], trnM [54715..54787], trnW [68807..68880], trnP [69051..69124], trnL [96107..96187], trnV [102290..102361], rrn16 [102589..104079], rrn23 [106368..109177], rrn4.5 [109276..109378], rrn5 [109638..109758], trnR [110016..110089], trnN [131985..132056], trnR [132676..132749], rrn5 [133007..133127], rrn4.5 [133387..133489], rrn23 [133588..136397], rrn16 [138686..140176], trnV [140404..140475], trnL [146578..146658], trnI [153678..153751]
256.	CUHY	8	rrn16 [102017..103508], rrn23 [105792..108601], rrn4.5 [108700..108802], rrn5 [109062..109182], rrn5 [complement(132319..132439)], rrn4.5 [complement(132699..132801)], rrn23 [complement(132900..135705)], rrn16 [complement(137995..139486)]
257.	CULO	8	rrn16 [104399..105889], rrn23 [108289..111096], rrn4.5 [111208..111310], rrn5 [111539..111659], rrn5 [complement(134950..135070)], rrn4.5 [complement(135299..135401)], rrn23 [complement(135502..138309)], rrn16 [complement(140720..142210)]
258.	CUME	1	ycf1 [110933..112156]
259.	CURE	2	ORF55 [82784..82951], ORF55 [complement(118039..118206)]
260.	CURO	8	rrn16 [104356..105846], rrn23 [108246..111053], rrn4.5 [111165..111267], rrn5 [111496..111616], rrn5 [complement(134912..135032)], rrn4.5 [complement(135261..135363)], rrn23 [complement(135464..138271)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(140682..142172)]
261.	CYAU	8	rrn16 [107163..108652], rrn23 [111109..113918], rrn4.5 [114021..114123], rrn5 [114366..114486], rrn5 [complement(138328..138448)], rrn4.5 [complement(138691..138793)], rrn23 [complement(138892..141701)], rrn16 [complement(144161..145650)]
262.	CYBA	8	rrn16 [99715..101204], rrn23 [103623..106431], rrn4.5 [106531..106633], rrn5 [106879..106999], rrn5 [complement(129149..129269)], rrn4.5 [complement(129515..129617)], rrn23 [complement(129716..132524)], rrn16 [complement(134943..136432)]
263.	CYCO	8	rrn16 [99696..101185], rrn23 [103604..106412], rrn4.5 [106512..106614], rrn5 [106860..106980], rrn5 [complement(129151..129271)], rrn4.5 [complement(129517..129619)], rrn23 [complement(129718..132526)], rrn16 [complement(134945..136434)]
264.	CYFL	8	rrn16 [94456..95947], rrn23 [98362..101249], rrn4.5 [101349..101443], rrn5 [101676..101796], rrn5 [complement(119582..119702)], rrn4.5 [complement(119935..120029)], rrn23 [complement(120129..123016)], rrn16 [complement(125431..126922)]
265.	CYGL	1	trnQ [complement(25459..25530)]
266.	CYHU	8	rrn16 [99738..101227], rrn23 [103646..106454], rrn4.5 [106554..106656], rrn5 [106902..107022], rrn5 [complement(129186..129306)], rrn4.5 [complement(129552..129654)], rrn23 [complement(129753..132561)], rrn16 [complement(134980..136469)]
267.	CYHY	10	trnQ [4032..4103], trnC [4972..5043], trnY [5110..5197], trnE [5203..5275], trnM [7232..7305], rrn16 [11481..12965], rrn23 [13305..16176], rrn4.5 [16336..16433], rrn5 [16602..16719], trnI [16896..16969]
268.	CYPL	8	rrn16 [106245..107735], rrn23 [110152..112965], rrn4.5 [113064..113166], rrn5 [113428..113548], rrn5 [complement(137022..137142)], rrn4.5 [complement(137404..137506)], rrn23 [complement(137605..140418)], rrn16 [complement(142835..144325)]
269.	CYTA	35	orf64a [15234..15428], orf122 [complement(30036..30404)], orf62a [complement(33019..33207)], ORF63 [complement(33425..33616)], orf61a [33960..34145], orf64b [complement(37413..37607)], ORF74 [43775..43999], orf78 [49596..49832], orf62b [52765..52953], orf72a [53762..53980], orf64c [55141..55335], orf73 [63935..64156], orf72b [69533..69751], orf61b [complement(70751..70936)], orf85 [70996..71253], orf77 [71302..71535], orf68 [102078..102284], orf64d [102969..103163], orf64e [complement(103836..104030)], orf130 [complement(104895..105287)], orf67 [complement(105533..105736)], orf75 [complement(106189..106416)], orf107 [complement(112294..112617)], orf60 [complement(113331..113513)], orf65 [complement(114542..114739)], orf82 [complement(117907..118155)], orf65 [138523..138720], orf60 [139749..139931], orf107 [140645..140968], orf75 [146846..147073], orf67 [147526..147729], orf130 [147975..148367], orf64e [149232..149426], orf64d [complement(150099..150293)], orf68 [complement(150978..151184)]
270.	CYTE	1	rps12 [complement(join(97326..97616,68236..68361))]
271.	CYTT	1	trnQ [complement(30011..30082)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
272.	CYWI	8	rrn16 [107275..108764], rrn23 [111222..114031], rrn4.5 [114134..114236], rrn5 [114479..114599], rrn5 [complement(138638..138758)], rrn4.5 [complement(139001..139103)], rrn23 [complement(139202..142011)], rrn16 [complement(144472..145961)]
273.	DAAE	8	rrn16 [91867..93358], rrn23 [95547..98434], rrn4.5 [98530..98624], rrn5 [98852..98972], rrn5 [complement(116467..116587)], rrn4.5 [complement(116815..116909)], rrn23 [complement(117005..119892)], rrn16 [complement(122081..123572)]
274.	DABR	8	rrn16 [103601..105091], rrn23 [107504..110313], rrn4.5 [110427..110529], rrn5 [110754..110874], rrn5 [complement(133275..133395)], rrn4.5 [complement(133620..133722)], rrn23 [complement(133821..136630)], rrn16 [complement(139058..140548)]
275.	DACA	8	rrn16 [101048..102537], rrn23 [104938..107743], rrn4.5 [107842..107944], rrn5 [108170..108290], rrn5 [complement(131864..131984)], rrn4.5 [complement(132210..132312)], rrn23 [complement(132411..135216)], rrn16 [complement(137616..139105)]
276.	DACL	9	rps12 [complement(join(88140..88940,66705..66818))], rrn16 [91014..92505], rrn23 [94695..97582], rrn4.5 [97678..97772], rrn5 [98000..98120], rrn5 [complement(115719..115839)], rrn4.5 [complement(116067..116161)], rrn23 [complement(116257..119144)], rrn16 [complement(121334..122825)]
277.	DADI	8	rrn16 [93863..95354], rrn23 [97778..100665], rrn4.5 [100761..100855], rrn5 [101086..101206], rrn5 [complement(119018..119138)], rrn4.5 [complement(119369..119463)], rrn23 [complement(119559..122446)], rrn16 [complement(124870..126361)]
278.	DAIM	4	rrn5 [complement(106641..106761)], rrn4.5 [complement(107047..107148)], rrn23 [complement(107251..110059)], rrn16 [complement(112920..114410)]
279.	DAPI	8	rrn16 [104329..105819], rrn23 [108256..111065], rrn4.5 [111166..111269], rrn5 [111491..111611], rrn5 [complement(135300..135420)], rrn4.5 [complement(135642..135745)], rrn23 [complement(135844..138653)], rrn16 [complement(141067..142557)]
280.	DEKE	5	trnA [102028..102797], rrn23 [102950..105758], rrn4.5 [105858..105960], rrn5 [106212..106332], trnR [106580..106653]
281.	DEKN	10	rrn5 [106231..106351], trnR [106599..106672], trnN [complement(107143..107215)], trnN [126759..126831], trnR [complement(127302..127375)], rrn5 [complement(127623..127743)], rrn4.5 [complement(127995..128097)], rrn23 [complement(128196..131004)], trnA [complement(131158..131927)], rrn16 [complement(133133..134622)]
282.	DEMO	8	rrn16 [102297..103786], rrn23 [106192..109000], rrn4.5 [109099..109201], rrn5 [109443..109563], rrn5 [complement(133279..133399)], rrn4.5 [complement(133641..133743)], rrn23 [complement(133842..136650)], rrn16 [complement(139055..140544)]
283.	DEOR	8	rrn16 [104725..106215], rrn23 [108626..111435], rrn4.5 [111534..111636], rrn5 [111861..111981], rrn5 [complement(136809..136929)], rrn4.5 [complement(137154..137256)], rrn23 [complement(137355..140164)], rrn16 [complement(142575..144065)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
284.	DIAC	8	rrn16 [94852..96343], rrn23 [98763..101645], rrn4.5 [101741..101835], rrn5 [102063..102183], rrn5 [complement(120005..120125)], rrn4.5 [complement(120353..120447)], rrn23 [complement(120543..123425)], rrn16 [complement(125845..127336)]
285.	DIBA	8	rrn16 [93397..94888], rrn23 [97075..99962], rrn4.5 [100058..100152], rrn5 [100380..100500], rrn5 [complement(118409..118529)], rrn4.5 [complement(118757..118851)], rrn23 [complement(118947..121834)], rrn16 [complement(124021..125512)]
286.	DICD	8	rrn16 [92005..93496], rrn23 [95778..98664], rrn4.5 [98761..98855], rrn5 [99084..99204], rrn5 [complement(117389..117509)], rrn4.5 [complement(117738..117832)], rrn23 [complement(117928..120814)], rrn16 [complement(123097..124588)]
287.	DIEL	8	rrn16 [99365..100855], rrn23 [103247..106056], rrn4.5 [106163..106265], rrn5 [106493..106613], rrn5 [complement(128774..128894)], rrn4.5 [complement(129122..129224)], rrn23 [complement(129323..132132)], rrn16 [complement(134532..136022)]
288.	DIID	8	rrn16 [105025..106515], rrn23 [108951..111728], rrn4.5 [111836..111938], rrn5 [112164..112284], rrn5 [complement(135288..135408)], rrn4.5 [complement(135634..135736)], rrn23 [complement(135844..138621)], rrn16 [complement(141057..142547)]
289.	DILA	1	rps36 [complement(79455..79568)]
290.	DILN	8	rrn16 [103947..105437], rrn23 [107905..110714], rrn4.5 [110813..110915], rrn5 [111140..111260], rrn5 [complement(135282..135402)], rrn4.5 [complement(135627..135729)], rrn23 [complement(135828..138637)], rrn16 [complement(141105..142595)]
291.	DIOB	8	rrn16 [93033..94524], rrn23 [96806..99693], rrn4.5 [99789..99883], rrn5 [100111..100231], rrn5 [complement(118558..118678)], rrn4.5 [complement(118906..119000)], rrn23 [complement(119096..121983)], rrn16 [complement(124265..125755)]
292.	DIOR	8	rrn16 [95377..96868], rrn23 [99289..102176], rrn4.5 [102272..102366], rrn5 [102599..102719], rrn5 [complement(120463..120583)], rrn4.5 [complement(120816..120910)], rrn23 [complement(121006..123893)], rrn16 [complement(126314..127805)]
293.	DISB	8	rrn16 [93051..94542], rrn23 [96958..99845], rrn4.5 [99945..100039], rrn5 [100272..100392], rrn5 [complement(118130..118250)], rrn4.5 [complement(118483..118577)], rrn23 [complement(118677..121564)], rrn16 [complement(123980..125471)]
294.	DISN	8	rrn16 [104296..105770], rrn23 [108133..110992], rrn4.5 [111085..111187], rrn5 [111431..111551], rrn5 [complement(138667..138787)], rrn4.5 [complement(139031..139133)], rrn23 [complement(139226..142085)], rrn16 [complement(144448..145922)]
295.	DIVI	8	rrn16 [100597..102087], rrn23 [104482..107284], rrn4.5 [107391..107493], rrn5 [107721..107841], rrn5 [complement(129944..130064)], rrn4.5 [complement(130292..130394)], rrn23 [complement(130493..133295)], rrn16 [complement(135698..137188)]
296.	DIVR	1	rps12 [complement(join(100507..157761,1..72738))]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
297.	DIWI	8	rrn16 [92589..94080], rrn23 [96505..99392], rrn4.5 [99488..99582], rrn5 [99810..99930], rrn5 [complement(117805..117925)], rrn4.5 [complement(118153..118247)], rrn23 [complement(118343..121230)], rrn16 [complement(123655..125146)]
298.	DIZI	8	rrn16 [100590..102080], rrn23 [104475..107277], rrn4.5 [107384..107486], rrn5 [107714..107834], rrn5 [complement(130087..130207)], rrn4.5 [complement(130435..130537)], rrn23 [complement(130636..133438)], rrn16 [complement(135841..137331)]
299.	DOHY	8	rrn16 [100744..102233], rrn23 [104656..107465], rrn4.5 [107567..107669], rrn5 [107930..108050], rrn5 [complement(130139..130259)], rrn4.5 [complement(130520..130622)], rrn23 [complement(130721..133530)], rrn16 [complement(135955..137444)]
300.	DOVI	45	trnH [complement(1..71)], trnK [complement(1830..4414)], trnQ [complement(7600..7671)], trnS [complement(9299..9386)], trnR [11122..11193], trnC [29371..29449], trnD [complement(32396..32469)], trnY [complement(32905..32988)], trnE [complement(33048..33120)], trnT [33935..34006], trnS [complement(38179..38271)], trnG [39327..39397], trnM [complement(39559..39632)], trnS [48146..48232], trnT [complement(49450..49522)], trnL [50542..51179], trnF [51395..51465], trnV [complement(54614..55278)], trnM [55471..55542], trnW [complement(69542..69612)], trnP [complement(69807..69880)], trnP [complement(69809..69878)], trnI [complement(89663..89736)], trnL [complement(97639..97719)], trnV [103998..104069], rrn16 [104301..105791], trnI [106086..107108], trnA [107173..108048], rrn23 [108219..111028], rrn4.5 [111127..111229], rrn5 [111453..111573], trnR [111825..111898], trnN [complement(112498..112569)], trnL [118529..118608], trnN [134011..134082], trnR [complement(134682..134755)], rrn5 [complement(135007..135127)], rrn4.5 [complement(135351..135453)], rrn23 [complement(135552..138361)], trnA [complement(138532..139407)], trnI [complement(139472..140494)], rrn16 [complement(140789..142279)], trnV [complement(142511..142582)], trnL [148861..148941], trnI [156844..156917]
301.	DRCA	8	rrn16 [102063..103553], rrn23 [106035..108844], rrn4.5 [108946..109048], rrn5 [109270..109390], rrn5 [complement(132296..132416)], rrn4.5 [complement(132638..132740)], rrn23 [complement(132842..135651)], rrn16 [complement(138133..139623)]
302.	DRPU	8	rrn16 [92774..94265], rrn23 [96691..99578], rrn4.5 [99674..99768], rrn5 [99996..100116], rrn5 [complement(118072..118192)], rrn4.5 [complement(118420..118514)], rrn23 [complement(118610..121497)], rrn16 [complement(123923..125414)]
303.	DRRO	48	trnP [1215..1288], trnW [1463..1536], trnR [6083..6154], trnT [complement(26269..26341)], trnF [28076..28148], trnM [complement(33964..34036)], trnS [37164..37246], trnK [40872..40943], trnH [45316..45388], trnM [complement(46082..46155)], trnL [complement(54404..54484)], trnR [55502..55570], trnS [63396..63482], trnP [68359..68432], trnV [complement(70577..70648)], trnM [complement(72438..72510)], rrn16 [74119..75652], rrn23 [78283..81057], rrn4.5 [81226..81327], rrn5 [81553..81672], trnR [81938..82012], trnN [82223..82294], trnQ [82384..82454], trnM [97786..97859], trnG [complement(98019..98089)], trnL [complement(100109..100187)], trnC [114296..114367], trnD

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(115988..116061)], trnY [complement(116422..116505)], trnE [complement(116566..116638)], trnT [117539..117610], trnS [complement(121166..121251)], trnG [122100..122170], trnM [complement(122330..122403)], trnQ [complement(137735..137805)], trnN [complement(137895..137966)], trnR [complement(138177..138251)], rrn5 [complement(138515..138634)], rrn4.5 [complement(138855..138956)], rrn23 [complement(139076..141850)], rrn16 [complement(144535..146068)], trnM [147679..147751], trnV [149541..149612], trnP [complement(151757..151830)], trnS [complement(156707..156793)], trnR [complement(164619..164687)], trnL [165705..165785], trnM [174034..174107]
304.	DUBR	8	rrn16 [103255..104744], rrn23 [106953..109762], rrn4.5 [109864..109966], rrn5 [110223..110343], rrn5 [complement(133497..133617)], rrn4.5 [complement(133874..133976)], rrn23 [complement(134078..136887)], rrn16 [complement(139086..140575)]
305.	DUOB	8	rrn16 [103255..104744], rrn23 [106952..109761], rrn4.5 [109863..109965], rrn5 [110222..110342], rrn5 [complement(133428..133548)], rrn4.5 [complement(133805..133907)], rrn23 [complement(134009..136818)], rrn16 [complement(139016..140505)]
306.	DUSO	8	rrn16 [104180..105679], rrn23 [107877..110686], rrn4.5 [110788..110890], rrn5 [111147..111267], rrn5 [complement(134348..134468)], rrn4.5 [complement(134725..134827)], rrn23 [complement(134929..137738)], rrn16 [complement(139926..141425)]
307.	DYBO	12	trnQ [complement(6382..6453)], trnG [8477..9252], trnT [30719..30790], trnS [complement(34684..34776)], trnG [35660..35729], trnM [complement(35942..36015)], trnT [complement(45831..45903)], trnF [47569..47637], trnP [complement(65994..66067)], trnL [92512..92592], trnV [98487..98558], trnL [113093..113172]
308.	ECCO	8	rrn16 [94592..96083], rrn23 [98503..101390], rrn4.5 [101486..101580], rrn5 [101807..101927], rrn5 [complement(119757..119877)], rrn4.5 [complement(120104..120198)], rrn23 [complement(120294..123181)], rrn16 [complement(125601..127092)]
309.	ECFR	8	rrn16 [94466..95957], rrn23 [98377..101264], rrn4.5 [101360..101454], rrn5 [101681..101801], rrn5 [complement(119631..119751)], rrn4.5 [complement(119978..120072)], rrn23 [complement(120168..123055)], rrn16 [complement(125475..126966)]
310.	ECOR	8	rrn16 [94736..96227], rrn23 [98663..101550], rrn4.5 [101646..101740], rrn5 [101967..102087], rrn5 [complement(119913..120033)], rrn4.5 [complement(120260..120354)], rrn23 [complement(120450..123337)], rrn16 [complement(125773..127264)]
311.	ECPR	8	rrn16 [99441..100931], rrn23 [103183..105992], rrn4.5 [106091..106193], rrn5 [106439..106559], rrn5 [complement(128484..128604)], rrn4.5 [complement(128850..128952)], rrn23 [complement(129051..131860)], rrn16 [complement(134112..135601)]
312.	ECPU	2	trnF [47878..47950], trnM [51636..51708]
313.	ECSA	3	trnT [31177..31244], trnF [47960..48032], trnM [51709..51781]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
314.	ECSP	2	trnT [31076..31143], trnF [47821..47893]
315.	ECST	8	rrn16 [94608..96099], rrn23 [98528..101415], rrn4.5 [101511..101605], rrn5 [101832..101952], rrn5 [complement(119803..119923)], rrn4.5 [complement(120150..120244)], rrn23 [complement(120340..123227)], rrn16 [complement(125656..127147)]
316.	ECTE	1	trnF [47879..47951]
317.	ECUG	8	rrn16 [94362..95853], rrn23 [98273..101160], rrn4.5 [101256..101350], rrn5 [101577..101697], rrn5 [complement(119527..119647)], rrn4.5 [complement(119874..119968)], rrn23 [complement(120064..122951)], rrn16 [complement(125371..126862)]
318.	ELGL	8	rrn16 [92607..94098], rrn23 [96532..99419], rrn4.5 [99515..99609], rrn5 [99837..99957], rrn5 [complement(117734..117854)], rrn4.5 [complement(118082..118176)], rrn23 [complement(118272..121159)], rrn16 [complement(123593..125084)]
319.	ELIN	8	rrn16 [91880..93371], rrn23 [95561..98448], rrn4.5 [98544..98638], rrn5 [98866..98986], rrn5 [complement(116833..116953)], rrn4.5 [complement(117181..117275)], rrn23 [complement(117371..120258)], rrn16 [complement(122448..123939)]
320.	ELSP	8	rrn16 [92543..94034], rrn23 [96468..99355], rrn4.5 [99451..99545], rrn5 [99773..99893], rrn5 [complement(117675..117795)], rrn4.5 [complement(118023..118117)], rrn23 [complement(118213..121100)], rrn16 [complement(123534..125025)]
321.	ENCY	45	trnH [complement(4..78)], trnK [complement(1867..4478)], trnQ [complement(8125..8196)], trnS [complement(9359..9446)], trnG [10217..11015], trnR [11183..11254], trnC [29650..29720], trnD [complement(32278..32351)], trnY [complement(32815..32898)], trnE [complement(32958..33030)], trnT [33835..33906], trnS [complement(37805..37897)], trnG [39018..39088], trnM [complement(39257..39330)], trnS [47979..48065], trnT [complement(49337..49409)], trnL [50386..50996], trnF [51367..51439], trnV [complement(54444..55111)], trnM [55302..55374], trnW [complement(69782..69855)], trnP [complement(70025..70098)], trnI [complement(89686..89759)], trnL [complement(97719..97799)], trnV [104045..104116], rrn16 [104357..105847], trnI [106141..107171], trnA [107242..108116], rrn23 [108280..111089], rrn4.5 [111188..111290], rrn5 [111547..111667], trnR [111917..111990], trnN [complement(112605..112676)], trnL [118591..118670], trnN [134052..134123], trnR [complement(134738..134811)], rrn5 [complement(135061..135181)], rrn4.5 [complement(135438..135540)], rrn23 [complement(135639..138448)], trnA [complement(138612..139486)], trnI [complement(139557..140587)], rrn16 [complement(140881..142371)], trnV [complement(142612..142683)], trnL [148929..149009], trnI [156969..157042]
322.	ENIM	8	rrn16 [95285..96776], rrn23 [99195..102082], rrn4.5 [102178..102272], rrn5 [102500..102620], rrn5 [complement(120572..120692)], rrn4.5 [complement(120920..121014)], rrn23 [complement(121110..123997)], rrn16 [complement(126416..127907)]
323.	ENLE	8	rrn16 [107121..108595], rrn23 [110995..113854], rrn4.5 [113946..114048], rrn5 [114290..114410], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(141809..141929)], rrn4.5 [complement(142171..142273)], rrn23 [complement(142365..145224)], rrn16 [complement(147624..149098)]
324.	EPAL	2	ycf15 [97422..97529], ycf15 [complement(149472..149579)]
325.	EPAP	8	rrn16 [14453..15945], rrn23 [16157..19004], rrn4.5 [19013..19117], rrn5 [19196..19316], rrn5 [complement(19365..19485)], rrn4.5 [complement(19564..19668)], rrn23 [complement(19677..22524)], rrn16 [complement(22736..24228)]
326.	EPAT	2	ycf15 [97421..97528], ycf15 [complement(149500..149607)]
327.	EPGI	2	ycf15 [97319..97426], ycf15 [complement(148653..148760)]
328.	EPHE	2	ycf15 [97497..97604], ycf15 [complement(149532..149639)]
329.	EPMI	2	ycf15 [96890..96997], ycf15 [complement(148946..149053)]
330.	EPPA	2	ycf15 [97374..97481], ycf15 [complement(148768..148875)]
331.	EPPU	2	ycf15 [97431..97538], ycf15 [complement(149573..149680)]
332.	EPRO	4	rrn5 [complement(12738..12859)], rrn4.5 [complement(12936..13042)], rrn23 [complement(13081..15927)], rrn16 [complement(16078..17572)]
333.	EPVI	19	trnQ [complement(2259..2330)], trnS [complement(2604..2691)], trnD [complement(4438..4511)], trnY [complement(4661..4745)], trnE [complement(4826..4898)], trnS [complement(5057..5149)], trnF [7285..7357], trnM [7392..7464], trnW [complement(10166..10240)], trnP [complement(10466..10539)], rrn16 [33642..35133], rrn23 [37143..39946], rrn4.5 [40044..40146], rrn5 [40335..40455], trnR [40689..40762], rrn5 [complement(49373..49493)], rrn4.5 [complement(49682..49784)], rrn23 [complement(49882..52685)], rrn16 [complement(54695..56186)]
334.	ERAB	10	rrn16 [44680..44734], rrn16 [50197..51681], rrn23 [54373..57304], rrn4.5 [57391..57490], rrn5 [57825..57945], rrn5 [complement(142068..142188)], rrn4.5 [complement(142523..142622)], rrn23 [complement(142709..145630)], rrn16 [complement(148326..149810)], rrn16 [complement(155279..155333)]
335.	ERAG	8	rrn16 [91247..92738], rrn23 [95162..98049], rrn4.5 [98145..98239], rrn5 [98467..98587], rrn5 [complement(116363..116483)], rrn4.5 [complement(116711..116805)], rrn23 [complement(116901..119788)], rrn16 [complement(122212..123703)]
336.	ERAI	8	rrn16 [91133..92624], rrn23 [95048..97935], rrn4.5 [98031..98125], rrn5 [98353..98473], rrn5 [complement(116218..116338)], rrn4.5 [complement(116566..116660)], rrn23 [complement(116756..119643)], rrn16 [complement(122067..123558)]
337.	ERAR	8	rrn16 [91191..92682], rrn23 [95106..97993], rrn4.5 [98089..98183], rrn5 [98411..98531], rrn5 [complement(116276..116396)], rrn4.5 [complement(116624..116718)], rrn23 [complement(116814..119701)], rrn16 [complement(122125..123616)]
338.	ERAV	8	rrn16 [91137..92628], rrn23 [95051..97938], rrn4.5 [98034..98128], rrn5 [98356..98476], rrn5 [complement(116308..116428)], rrn4.5 [complement(116656..116750)], rrn23 [complement(116846..119733)], rrn16 [complement(122156..123647)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
339.	ERAX	8	rrn16 [91371..92862], rrn23 [95287..98174], rrn4.5 [98270..98364], rrn5 [98592..98712], rrn5 [complement(116509..116629)], rrn4.5 [complement(116857..116951)], rrn23 [complement(117047..119934)], rrn16 [complement(122359..123850)]
340.	ERBA	8	rrn16 [91234..92725], rrn23 [95149..98036], rrn4.5 [98132..98226], rrn5 [98454..98574], rrn5 [complement(116378..116498)], rrn4.5 [complement(116726..116820)], rrn23 [complement(116916..119803)], rrn16 [complement(122227..123718)]
341.	ERBR	14	trnL [52094..52692], trnV [complement(56189..56876)], rrn16 [105917..107407], trnI [107702..108725], trnA [108790..109670], rrn23 [109823..112635], rrn4.5 [112734..112836], rrn5 [113066..113186], rrn5 [complement(136711..136831)], rrn4.5 [complement(137061..137163)], rrn23 [complement(137262..140074)], trnA [complement(140227..141107)], trnI [complement(141172..142195)], rrn16 [complement(142490..143980)]
342.	ERBU	8	rrn16 [90807..92298], rrn23 [94722..97609], rrn4.5 [97705..97799], rrn5 [98027..98147], rrn5 [complement(115868..115988)], rrn4.5 [complement(116216..116310)], rrn23 [complement(116406..119293)], rrn16 [complement(121717..123208)]
343.	ERCA	4	rrn16 [93822..95311], rrn23 [98415..101214], rrn4.5 [101336..101438], rrn5 [101645..101765]
344.	ERCH	8	rrn16 [50309..51793], rrn23 [54497..57415], rrn4.5 [57502..57601], rrn5 [57936..58056], rrn5 [complement(146649..146769)], rrn4.5 [complement(147104..147203)], rrn23 [complement(147290..150198)], rrn16 [complement(152906..154390)]
345.	ERCI	8	rrn16 [94603..96094], rrn23 [98511..101400], rrn4.5 [101500..101594], rrn5 [101824..101944], rrn5 [complement(118945..119065)], rrn4.5 [complement(119295..119389)], rrn23 [complement(119489..122378)], rrn16 [complement(124795..126286)]
346.	ERCL	8	rrn16 [91139..92630], rrn23 [95050..97937], rrn4.5 [98033..98127], rrn5 [98355..98475], rrn5 [complement(116223..116343)], rrn4.5 [complement(116571..116665)], rrn23 [complement(116761..119648)], rrn16 [complement(122068..123559)]
347.	ERCO	8	rrn16 [91280..92771], rrn23 [95196..98088], rrn4.5 [98184..98278], rrn5 [98506..98626], rrn5 [complement(116396..116516)], rrn4.5 [complement(116744..116838)], rrn23 [complement(116934..119826)], rrn16 [complement(122251..123742)]
348.	ERCR	4	rrn16 [65278..66759], rrn23 [69173..71966], rrn4.5 [72171..72238], rrn5 [72473..72593]
349.	ERDE	8	rrn16 [98246..99736], rrn23 [102135..104944], rrn4.5 [105044..105146], rrn5 [105370..105490], rrn5 [complement(127659..127779)], rrn4.5 [128003..128105], rrn23 [complement(128204..131013)], rrn16 [complement(133412..134902)]
350.	ERER	8	rrn16 [94646..96137], rrn23 [98554..101443], rrn4.5 [101543..101637], rrn5 [101867..101987], rrn5 [complement(118978..119098)], rrn4.5 [complement(119328..119422)], rrn23 [complement(119522..122411)], rrn16 [complement(124828..126319)]
351.	ERFA	8	rrn16 [103572..105061], rrn23 [107269..110078], rrn4.5 [110180..110282], rrn5 [110539..110659], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(133838..133958)], rrn4.5 [complement(134215..134317)], rrn23 [complement(134419..137228)], rrn16 [complement(139426..140915)]
352.	ERFU	1	trnT [complement(47110..47182)]
353.	ERGL	8	rrn16 [91136..92627], rrn23 [95051..97938], rrn4.5 [98034..98128], rrn5 [98356..98476], rrn5 [complement(116240..116360)], rrn4.5 [complement(116588..116682)], rrn23 [complement(116778..119665)], rrn16 [complement(122089..123580)]
354.	ERGR	8	rrn16 [63990..65475], rrn23 [68062..70991], rrn4.5 [71080..71182], rrn5 [71515..71635], rrn5 [complement(126867..126987)], rrn4.5 [complement(127320..127422)], rrn23 [complement(127511..130431)], rrn16 [complement(133021..134506)]
355.	ERJA	8	rrn16 [103803..105293], rrn23 [107717..110525], rrn4.5 [110624..110726], rrn5 [110980..111100], rrn5 [complement(135180..135300)], rrn4.5 [complement(135554..135656)], rrn23 [complement(135755..138563)], rrn16 [complement(140987..142477)]
356.	ERLA	8	rrn16 [95049..96540], rrn23 [98968..101855], rrn4.5 [101951..102045], rrn5 [102278..102398], rrn5 [complement(120104..120224)], rrn4.5 [complement(120457..120551)], rrn23 [complement(120647..123534)], rrn16 [complement(125962..127453)]
357.	ERLU	8	rrn16 [100444..101933], rrn23 [104372..107181], rrn4.5 [107281..107383], rrn5 [107629..107749], rrn5 [complement(129695..129815)], rrn4.5 [complement(130061..130163)], rrn23 [complement(130262..133071)], rrn16 [complement(135510..136999)]
358.	ERMA	8	rrn16 [100323..101813], rrn23 [104221..107030], rrn4.5 [107130..107232], rrn5 [107457..107577], rrn5 [complement(130038..130158)], rrn4.5 [complement(130383..130485)], rrn23 [complement(130584..133393)], rrn16 [complement(135802..137292)]
359.	ERME	8	rrn16 [94644..96135], rrn23 [98555..101442], rrn4.5 [101538..101632], rrn5 [101860..101980], rrn5 [complement(119767..119887)], rrn4.5 [complement(120115..120209)], rrn23 [complement(120305..123192)], rrn16 [complement(125612..127103)]
360.	ERMJ	8	rrn16 [90990..92481], rrn23 [94905..97792], rrn4.5 [97888..97982], rrn5 [98209..98329], rrn5 [complement(116192..116312)], rrn4.5 [complement(116539..116633)], rrn23 [complement(116729..119616)], rrn16 [complement(122040..123531)]
361.	ERML	8	rrn16 [91172..92663], rrn23 [95086..97973], rrn4.5 [98069..98163], rrn5 [98391..98511], rrn5 [complement(116365..116485)], rrn4.5 [complement(116713..116807)], rrn23 [complement(116903..119790)], rrn16 [complement(122213..123704)]
362.	ERMN	4	rrn16 [95507..96996], rrn23 [99529..102328], rrn4.5 [102452..102554], rrn5 [102761..102881]
363.	ERMU	8	rrn16 [91403..92894], rrn23 [95317..98204], rrn4.5 [98300..98394], rrn5 [98622..98742], rrn5 [complement(116522..116642)], rrn4.5 [complement(116870..116964)], rrn23 [complement(117060..119947)], rrn16 [complement(122370..123861)]
364.	ERNO	4	rrn16 [108517..110007], rrn23 [112429..115238], rrn23 [complement(140083..142892)], rrn16

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(145313..146803)]
365.	EROB	8	rrn16 [91035..92526], rrn23 [94950..97837], rrn4.5 [97933..98027], rrn5 [98254..98374], rrn5 [complement(116153..116273)], rrn4.5 [complement(116500..116594)], rrn23 [complement(116690..119577)], rrn16 [complement(122001..123492)]
366.	EROP	9	ycf3 [complement(43830..45812)], rrn16 [94741..96232], rrn23 [98653..101542], rrn4.5 [101638..101732], rrn5 [101966..102086], rrn5 [complement(119011..119131)], rrn4.5 [complement(119365..119459)], rrn23 [complement(119555..122444)], rrn16 [complement(124865..126356)]
367.	ERPA	8	rrn16 [90891..92382], rrn23 [94807..97694], rrn4.5 [97790..97884], rrn5 [98112..98232], rrn5 [complement(115927..116047)], rrn4.5 [complement(116275..116369)], rrn23 [complement(116465..119352)], rrn16 [complement(121777..123268)]
368.	ERPI	8	rrn16 [95151..96642], rrn23 [99065..101952], rrn4.5 [102052..102146], rrn5 [102379..102499], rrn5 [complement(120226..120346)], rrn4.5 [complement(120579..120673)], rrn23 [complement(120773..123660)], rrn16 [complement(126083..127574)]
369.	ERPL	8	rrn16 [91244..92735], rrn23 [95159..98046], rrn4.5 [98142..98236], rrn5 [98464..98584], rrn5 [complement(116398..116518)], rrn4.5 [complement(116746..116840)], rrn23 [complement(116936..119823)], rrn16 [complement(122247..123738)]
370.	ERRE	4	rrn16 [94780..96270], rrn23 [99101..101901], rrn4.5 [102027..102129], rrn5 [102363..102483]
371.	ERRU	4	rrn16 [94033..95523], rrn23 [98570..101370], rrn4.5 [101491..101593], rrn5 [101822..101942]
372.	ERSC	8	rrn16 [101614..103104], rrn23 [105505..108314], rrn4.5 [108413..108515], rrn5 [108740..108860], rrn5 [complement(132094..132214)], rrn4.5 [complement(132439..132541)], rrn23 [complement(132640..135449)], rrn16 [complement(137850..139340)]
373.	ERSE	8	rrn16 [91042..92533], rrn23 [94954..97841], rrn4.5 [97937..98031], rrn5 [98259..98379], rrn5 [complement(116157..116277)], rrn4.5 [complement(116505..116599)], rrn23 [complement(116695..119582)], rrn16 [complement(122003..123494)]
374.	ERSH	8	rrn16 [91110..92601], rrn23 [95025..97912], rrn4.5 [98008..98102], rrn5 [98330..98450], rrn5 [complement(116134..116254)], rrn4.5 [complement(116482..116576)], rrn23 [complement(116672..119559)], rrn16 [complement(121983..123474)]
375.	ERST	8	rrn16 [91098..92589], rrn23 [95013..97900], rrn4.5 [97996..98090], rrn5 [98318..98438], rrn5 [complement(116158..116278)], rrn4.5 [complement(116506..116600)], rrn23 [complement(116696..119583)], rrn16 [complement(122007..123498)]
376.	ERSU	8	rrn16 [91031..92522], rrn23 [94946..97833], rrn4.5 [97929..98023], rrn5 [98251..98371], rrn5 [complement(116108..116228)], rrn4.5 [complement(116456..116550)], rrn23 [complement(116646..119533)], rrn16 [complement(121957..123448)]
377.	ERTE	4	rrn5 [complement(101963..102083)], rrn4.5 [complement(102326..102478)], rrn23 [complement(102558..105377)], rrn16 [complement(108473..109970)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
378.	ERTI	8	rrn16 [91118..92609], rrn23 [95026..97913], rrn4.5 [98009..98103], rrn5 [98331..98451], rrn5 [complement(116157..116277)], rrn4.5 [complement(116505..116599)], rrn23 [complement(116695..119582)], rrn16 [complement(121999..123490)]
379.	ERTO	8	rrn16 [91117..92608], rrn23 [95032..97919], rrn4.5 [98015..98109], rrn5 [98337..98457], rrn5 [complement(116197..116317)], rrn4.5 [complement(116545..116639)], rrn23 [complement(116735..119622)], rrn16 [complement(122046..123537)]
380.	ERTR	4	rrn16 [99954..101444], rrn23 [105400..108200], rrn4.5 [108314..108416], rrn5 [108710..108830]
381.	ERWA	8	rrn16 [93093..94584], rrn23 [97016..99903], rrn4.5 [99999..100093], rrn5 [100321..100441], rrn5 [complement(118379..118499)], rrn4.5 [complement(118727..118821)], rrn23 [complement(118917..121804)], rrn16 [complement(124236..125727)]
382.	EUAR	45	trnH [complement(2..76)], trnK [complement(1887..4509)], trnQ [complement(7584..7655)], trnS [complement(8877..8964)], trnG [9752..10568], trnR [10821..10892], trnC [29555..29625], trnD [complement(32776..32849)], trnY [complement(33294..33377)], trnE [complement(33437..33509)], trnT [34420..34491], trnS [complement(38577..38669)], trnG [39878..39948], trnM [complement(40121..40194)], trnS [48873..48959], trnT [complement(50044..50116)], trnL [51362..51952], trnF [52120..52192], trnV [complement(55148..55820)], trnM [55994..56066], trnW [complement(70932..71005)], trnP [complement(71200..71273)], trnI [complement(90930..91003)], trnL [complement(98883..98963)], trnV [105280..105351], rrn16 [105579..107069], trnI [107364..108387], trnA [108457..109332], rrn23 [109485..112297], rrn4.5 [112396..112498], rrn5 [112723..112843], trnR [113100..113173], trnN [complement(113804..113875)], trnL [119393..119472], trnN [135200..135271], trnR [complement(135902..135975)], rrn5 [complement(136232..136352)], rrn4.5 [complement(136577..136679)], rrn23 [complement(136778..139590)], trnA [complement(139743..140618)], trnI [complement(140689..141712)], rrn16 [complement(142006..143496)], trnV [complement(143724..143795)], trnL [150112..150192], trnI [158072..158145]
383.	EUAU	8	rrn16 [94936..96427], rrn23 [98847..101734], rrn4.5 [101830..101924], rrn5 [102157..102277], rrn5 [complement(120056..120176)], rrn4.5 [complement(120409..120503)], rrn23 [complement(120599..123486)], rrn16 [complement(125906..127397)]
384.	EUBA	45	trnH [complement(join(1..74,160032))], trnK [complement(1860..4474)], trnQ [complement(7548..7619)], trnS [complement(8804..8891)], trnG [9683..10497], trnR [10751..10822], trnC [29489..29559], trnD [complement(32720..32793)], trnY [complement(33231..33314)], trnE [complement(33374..33446)], trnT [34325..34396], trnS [complement(38477..38569)], trnG [39962..40032], trnM [complement(40204..40277)], trnS [48937..49023], trnT [complement(50102..50174)], trnL [51446..52008], trnF [52176..52248], trnV [complement(55179..55850)], trnM [56024..56096], trnW [complement(70973..71046)], trnP [complement(71240..71313)], trnI [complement(90929..91002)], trnL [complement(98882..98962)], trnV [105279..105350], rrn16 [105578..107068], trnI [107363..108386], trnA [108456..109331], rrn23 [109484..112296], rrn4.5 [112395..112497], rrn5 [112722..112842], trnR [113099..113172], trnN

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(113802..113873)], trnL [119246..119325], trnN [135086..135157], trnR [complement(135787..135860)], rrn5 [complement(136117..136237)], rrn4.5 [complement(136462..136564)], rrn23 [complement(136663..139475)], trnA [complement(139628..140503)], trnI [complement(140574..141597)], rrn16 [complement(141891..143381)], trnV [complement(143609..143680)], trnL [149997..150077], trnI [157957..158030]
385.	EUBI	8	rrn16 [95731..97222], rrn23 [99643..102530], rrn4.5 [102630..102724], rrn5 [102952..103072], rrn5 [complement(120927..121047)], rrn4.5 [complement(121275..121369)], rrn23 [complement(121469..124356)], rrn16 [complement(126777..128268)]
386.	EUCA	45	trnH [complement(2..76)], trnK [complement(1902..4526)], trnQ [complement(7601..7672)], trnS [complement(8895..8982)], trnG [9771..10586], trnR [10839..10910], trnC [29573..29643], trnD [complement(32782..32855)], trnY [complement(33300..33383)], trnE [complement(33443..33515)], trnT [34426..34497], trnS [complement(38584..38676)], trnG [39847..39917], trnM [complement(40090..40163)], trnS [48833..48919], trnT [complement(49986..50058)], trnL [51305..51895], trnF [52063..52135], trnV [complement(55092..55764)], trnM [55938..56010], trnW [complement(70898..70971)], trnP [complement(71166..71239)], trnI [complement(90900..90973)], trnL [complement(98853..98933)], trnV [105250..105321], rrn16 [105549..107039], trnI [107334..108357], trnA [108427..109302], rrn23 [109455..112267], rrn4.5 [112366..112468], rrn5 [112693..112813], trnR [113070..113143], trnN [complement(113774..113845)], trnL [119388..119467], trnN [135194..135265], trnR [complement(135896..135969)], rrn5 [complement(136226..136346)], rrn4.5 [complement(136571..136673)], rrn23 [complement(136772..139584)], trnA [complement(139737..140612)], trnI [complement(140683..141706)], rrn16 [complement(142000..143490)], trnV [complement(143718..143789)], trnL [150106..150186], trnI [158066..158139]
387.	EUCL	45	trnH [complement(2..76)], trnK [complement(1866..4488)], trnQ [complement(7593..7664)], trnS [complement(8883..8970)], trnG [9762..10578], trnR [10829..10900], trnC [29570..29640], trnD [complement(32809..32882)], trnY [complement(33327..33410)], trnE [complement(33470..33542)], trnT [34452..34523], trnS [complement(38601..38693)], trnG [39995..40065], trnM [complement(40239..40312)], trnS [49002..49088], trnT [complement(50162..50234)], trnL [51481..52076], trnF [52244..52316], trnV [complement(55273..55946)], trnM [56120..56192], trnW [complement(71052..71125)], trnP [complement(71320..71393)], trnI [complement(91070..91143)], trnL [complement(99023..99103)], trnV [105420..105491], rrn16 [105719..107209], trnI [107504..108527], trnA [108597..109472], rrn23 [109625..112437], rrn4.5 [112536..112638], rrn5 [112863..112983], trnR [113240..113313], trnN [complement(113943..114014)], trnL [119411..119490], trnN [135245..135316], trnR [complement(135946..136019)], rrn5 [complement(136276..136396)], rrn4.5 [complement(136621..136723)], rrn23 [complement(136822..139634)], trnA [complement(139787..140662)], trnI [complement(140733..141756)], rrn16 [complement(142050..143540)], trnV [complement(143768..143839)], trnL [150156..150236], trnI [158116..158189]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
388.	EUCO	45	trnH [complement(join(1..74,160015))], trnK [complement(1851..4448)], trnQ [complement(7523..7594)], trnS [complement(8813..8900)], trnG [9692..10505], trnR [10759..10830], trnC [29549..29619], trnD [complement(32772..32845)], trnY [complement(33283..33366)], trnE [complement(33426..33498)], trnT [34377..34448], trnS [complement(38526..38618)], trnG [39992..40062], trnM [complement(40234..40307)], trnS [48939..49025], trnT [complement(50104..50176)], trnL [51410..51972], trnF [52140..52212], trnV [complement(55144..55815)], trnM [55989..56061], trnW [complement(70904..70977)], trnP [complement(71171..71244)], trnI [complement(90871..90944)], trnL [complement(98811..98891)], trnV [105203..105274], rrr16 [105502..106992], trnI [107287..108310], trnA [108380..109255], rrr23 [109408..112220], rrr4.5 [112319..112421], rrr5 [112646..112766], trnR [113023..113096], trnN [complement(113726..113797)], trnL [119275..119354], trnN [135086..135157], trnR [complement(135787..135860)], rrr5 [complement(136117..136237)], rrr4.5 [complement(136462..136564)], rrr23 [complement(136663..139475)], trnA [complement(139628..140503)], trnI [complement(140574..141597)], rrr16 [complement(141891..143381)], trnV [complement(143609..143680)], trnL [149992..150072], trnI [157939..158012]
389.	EUCU	45	trnH [complement(6..80)], trnK [complement(1891..4505)], trnQ [complement(7601..7672)], trnS [complement(8834..8921)], trnG [9724..10537], trnR [10802..10873], trnC [29565..29635], trnD [complement(32767..32840)], trnY [complement(33262..33345)], trnE [complement(33405..33477)], trnT [34394..34465], trnS [complement(38542..38634)], trnG [39968..40038], trnM [complement(40213..40286)], trnS [48907..48993], trnT [complement(50066..50138)], trnL [51368..51930], trnF [52097..52169], trnV [complement(55070..55741)], trnM [55915..55987], trnW [complement(70814..70887)], trnP [complement(71084..71157)], trnI [complement(90850..90923)], trnL [complement(98803..98883)], trnV [105194..105265], rrr16 [105493..106983], trnI [107278..108301], trnA [108371..109246], rrr23 [109399..112211], rrr4.5 [112310..112412], rrr5 [112637..112757], trnR [113013..113086], trnN [complement(113717..113788)], trnL [119241..119320], trnN [135079..135150], trnR [complement(135781..135854)], rrr5 [complement(136110..136230)], rrr4.5 [complement(136455..136557)], rrr23 [complement(136656..139468)], trnA [complement(139621..140496)], trnI [complement(140567..141590)], rrr16 [complement(141884..143374)], trnV [complement(143602..143673)], trnL [149984..150064], trnI [157944..158017]
390.	EUDE	45	trnH [complement(2..76)], trnK [complement(1891..4513)], trnQ [complement(7612..7683)], trnS [complement(8900..8987)], trnG [9777..10593], trnR [10846..10917], trnC [29574..29644], trnD [complement(32801..32874)], trnY [complement(33320..33403)], trnE [complement(33463..33535)], trnT [34450..34521], trnS [complement(38599..38691)], trnG [39910..39980], trnM [complement(40152..40225)], trnS [48906..48992], trnT [complement(50071..50143)], trnL [51389..51989], trnF [52157..52229], trnV [complement(55185..55857)], trnM [56031..56103], trnW [complement(70967..71040)], trnP [complement(71235..71308)], trnI [complement(90967..91040)], trnL [complement(98920..99000)], trnV [105317..105388], rrr16 [105616..107106], trnI [107401..108429], trnA [108499..109374], rrr23

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[109527..112339], rrn4.5 [112438..112540], rrn5 [112765..112885], trnR [113142..113215], trnN [complement(113845..113916)], trnL [119397..119476], trnN [135198..135269], trnR [complement(135899..135972)], rrn5 [complement(136229..136349)], rrn4.5 [complement(136574..136676)], rrn23 [complement(136775..139587)], trnA [complement(139740..140615)], trnI [complement(140686..141714)], rrn16 [complement(142008..143498)], trnV [complement(143726..143797)], trnL [150114..150194], trnI [158074..158147]
391.	EUDI	45	trnH [complement(2..76)], trnK [complement(1875..4496)], trnQ [complement(7593..7664)], trnS [complement(8882..8969)], trnG [9757..10571], trnR [10824..10895], trnC [29544..29614], trnD [complement(32790..32863)], trnY [complement(33302..33385)], trnE [complement(33445..33517)], trnT [34424..34495], trnS [complement(38567..38659)], trnG [39971..40041], trnM [complement(40214..40287)], trnS [48962..49048], trnT [complement(50127..50199)], trnL [51502..52097], trnF [52267..52339], trnV [complement(55294..55966)], trnM [56140..56212], trnW [complement(71054..71127)], trnP [complement(71323..71396)], trnI [complement(91030..91103)], trnL [complement(98983..99063)], trnV [105373..105444], rrn16 [105672..107162], trnI [107457..108480], trnA [108550..109425], rrn23 [109578..112390], rrn4.5 [112489..112591], rrn5 [112816..112936], trnR [113193..113266], trnN [complement(113897..113968)], trnL [119473..119552], trnN [135241..135312], trnR [complement(135943..136016)], rrn5 [complement(136273..136393)], rrn4.5 [complement(136618..136720)], rrn23 [complement(136819..139631)], trnA [complement(139784..140659)], trnI [complement(140730..141753)], rrn16 [complement(142047..143537)], trnV [complement(143765..143836)], trnL [150146..150226], trnI [158106..158179]
392.	EUDL	45	trnH [complement(join(1..74,159724))], trnK [complement(1918..4532)], trnQ [complement(7604..7675)], trnS [complement(8862..8949)], trnG [9743..10557], trnR [10811..10882], trnC [29580..29650], trnD [complement(32786..32859)], trnY [complement(33297..33380)], trnE [complement(33440..33512)], trnT [34391..34462], trnS [complement(38520..38612)], trnG [39557..39627], trnM [complement(39799..39872)], trnS [48589..48675], trnT [complement(49748..49820)], trnL [51006..51568], trnF [51736..51808], trnV [complement(54740..55411)], trnM [55585..55657], trnW [complement(70533..70606)], trnP [complement(70800..70873)], trnI [complement(90472..90545)], trnL [complement(98425..98505)], trnV [104822..104893], rrn16 [105121..106611], trnI [106906..107929], trnA [107999..108874], rrn23 [109027..111839], rrn4.5 [111938..112040], rrn5 [112265..112385], trnR [112642..112715], trnN [complement(113345..113416)], trnL [118903..118982], trnN [134757..134828], trnR [complement(135458..135531)], rrn5 [complement(135788..135908)], rrn4.5 [complement(136133..136235)], rrn23 [complement(136334..139146)], trnA [complement(139299..140174)], trnI [complement(140245..141268)], rrn16 [complement(141562..143052)], trnV [complement(143280..143351)], trnL [149668..149748], trnI [157628..157701]
393.	EUDV	45	trnH [complement(join(1..74,159954))], trnK [complement(1860..4474)], trnQ [complement(7548..7619)], trnS [complement(8806..8893)], trnG [9685..10499], trnR [10753..10824], trnC [29490..29560], trnD

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(32696..32769)], trnY [complement(33198..33281)], trnE [complement(33341..33413)], trnT [34292..34363], trnS [complement(38444..38536)], trnG [39928..39998], trnM [complement(40170..40243)], trnS [48910..48996], trnT [complement(50075..50147)], trnL [51441..52004], trnF [52172..52244], trnV [complement(55175..55846)], trnM [56020..56092], trnW [complement(70958..71031)], trnP [complement(71225..71298)], trnI [complement(90904..90977)], trnL [complement(98857..98937)], trnV [105254..105325], rrn16 [105553..107043], trnI [107338..108361], trnA [108431..109306], rrn23 [109459..112271], rrn4.5 [112370..112472], rrn5 [112697..112817], trnR [113074..113147], trnN [complement(113777..113848)], trnL [119220..119299], trnN [135008..135079], trnR [complement(135709..135782)], rrn5 [complement(136039..136159)], rrn4.5 [complement(136384..136486)], rrn23 [complement(136585..139397)], trnA [complement(139550..140425)], trnI [complement(140496..141519)], rrn16 [complement(141813..143303)], trnV [complement(143531..143602)], trnL [149919..149999], trnI [157879..157952]
394.	EUEL	45	trnH [complement(join(1..74,159899))], trnK [complement(1870..4467)], trnQ [complement(7533..7604)], trnS [complement(8782..8869)], trnG [9658..10471], trnR [10726..10797], trnC [29505..29575], trnD [complement(32707..32780)], trnY [complement(33191..33274)], trnE [complement(33334..33406)], trnT [34285..34356], trnS [complement(38446..38538)], trnG [39886..39956], trnM [complement(40128..40201)], trnS [48850..48936], trnT [complement(50015..50087)], trnL [51325..51887], trnF [52054..52126], trnV [complement(55059..55730)], trnM [55904..55976], trnW [complement(70813..70886)], trnP [complement(71081..71154)], trnI [complement(90765..90838)], trnL [complement(98718..98798)], trnV [105115..105186], rrn16 [105414..106904], trnI [107199..108222], trnA [108292..109167], rrn23 [109320..112132], rrn4.5 [112231..112333], rrn5 [112558..112678], trnR [112935..113008], trnN [complement(113638..113709)], trnL [119175..119254], trnN [134953..135024], trnR [complement(135654..135727)], rrn5 [complement(135984..136104)], rrn4.5 [complement(136329..136431)], rrn23 [complement(136530..139342)], trnA [complement(139495..140370)], trnI [complement(140441..141464)], rrn16 [complement(141758..143248)], trnV [complement(143476..143547)], trnL [149864..149944], trnI [157824..157897]
395.	EUER	45	trnH [complement(2..76)], trnK [complement(1723..4321)], trnQ [complement(7428..7499)], trnS [complement(8681..8768)], trnG [9563..10379], trnR [10634..10705], trnC [29395..29465], trnD [complement(32363..32436)], trnY [complement(32879..32962)], trnE [complement(33022..33094)], trnT [33998..34069], trnS [complement(38146..38238)], trnG [39650..39720], trnM [complement(39910..39983)], trnS [48601..48687], trnT [complement(49786..49858)], trnL [51100..51695], trnF [51862..51934], trnV [complement(54866..55539)], trnM [55713..55785], trnW [complement(70676..70749)], trnP [complement(70944..71017)], trnI [complement(90710..90783)], trnL [complement(98663..98743)], trnV [105058..105129], rrn16 [105357..106847], trnI [107142..108165], trnA [108235..109110], rrn23 [109263..112075], rrn4.5 [112174..112276], rrn5 [112501..112621], trnR [112877..112950], trnN [complement(113580..113651)], trnL [119170..119249], trnN [134783..134854], trnR

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(135484..135557)], rrn5 [complement(135813..135933)], rrn4.5 [complement(136158..136260)], rrn23 [complement(136359..139171)], trnA [complement(139324..140199)], trnI [complement(140270..141293)], rrn16 [complement(141587..143077)], trnV [complement(143305..143376)], trnL [149691..149771], trnI [157651..157724]
396.	EUES	47	trnH [complement(612..686)], trnK [complement(2462..5082)], trnQ [complement(8115..8186)], trnS [complement(9617..9704)], trnR [11744..11815], trnC [30093..30173], trnD [complement(33172..33245)], trnY [complement(33611..33694)], trnE [complement(33772..33844)], trnT [34273..34344], trnM [34279..34337], trnS [complement(38699..38787)], trnG [40198..40268], trnM [complement(40454..40527)], trnS [49036..49122], trnT [complement(50416..50488)], trnL [50902..51607], trnF [52001..52073], trnV [complement(55288..55950)], trnM [56161..56232], trnT [56166..56224], trnW [complement(71854..71926)], trnP [complement(72131..72204)], trnP [complement(72133..72203)], trnI [complement(92796..92868)], trnL [complement(100837..100917)], trnV [106893..106964], rrn16 [107196..108685], trnI [108976..109998], trnA [110063..110904], rrn23 [111057..113866], rrn4.5 [113965..114067], rrn5 [114293..114413], trnR [114657..114730], trnN [complement(115338..115409)], trnL [120007..120086], trnN [135905..135976], trnR [complement(136584..136657)], rrn5 [complement(136901..137021)], rrn4.5 [complement(137247..137349)], rrn23 [complement(137448..140257)], trnA [complement(140410..141251)], trnI [complement(141316..142338)], rrn16 [complement(142629..144119)], trnV [complement(144350..144421)], trnL [150397..150477], trnI [158446..158519]
397.	EUEX	8	rrn16 [103564..105053], rrn23 [107466..110275], rrn4.5 [110374..110476], rrn5 [110736..110856], rrn5 [complement(133991..134111)], rrn4.5 [134371..134473], rrn23 [complement(134572..137381)], rrn16 [complement(139793..141282)]
398.	EUFE	43	trnH [complement(3..77)], trnK [complement(1866..4479)], trnQ [complement(8356..8428)], trnS [complement(9692..9779)], trnG [10539..11355], trnR [11501..11572], trnC [30055..30133], trnD [complement(33308..33381)], trnY [complement(33802..33885)], trnE [complement(33949..34021)], trnT [34611..34682], trnS [complement(38892..38984)], trnG [39819..39889], trnM [complement(40094..40167)], trnS [48749..48835], trnT [complement(50152..50224)], trnL [50688..51308], trnF [51697..51769], trnV [complement(55814..56468)], trnM [complement(56645..56716)], trnW [complement(71819..71892)], trnP [complement(72025..72098)], trnL [complement(99613..99693)], trnV [105931..106002], rrn16 [106225..107715], trnI [108012..109037], trnA [109101..109854], rrn23 [110012..112821], rrn4.5 [112927..113029], rrn5 [113266..113386], trnR [113618..113691], trnN [complement(114258..114329)], trnL [118696..118775], trnN [135279..135350], trnR [complement(135917..135990)], rrn5 [complement(136222..136342)], rrn4.5 [complement(136579..136681)], rrn23 [complement(136780..139589)], trnA [complement(139754..140507)], trnI [complement(140571..141596)], rrn16 [complement(141893..143383)], trnL [complement(149915..149995)], trnI [157851..157924]
399.	EUGA	8	rrn16 [91728..93219], rrn23 [95408..98295], rrn4.5 [98391..98485], rrn5 [98714..98834], rrn5 [complement(116641..116761)], rrn4.5 [complement(116990..117084)], rrn23 [complement(117180..120067)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(122256..123747)]
400.	EUGL	45	trnH [complement(6..80)], trnK [complement(1919..4545)], trnQ [complement(7621..7692)], trnS [complement(8909..8996)], trnG [9812..10627], trnR [10880..10951], trnC [29611..29681], trnD [complement(32829..32902)], trnY [complement(33347..33430)], trnE [complement(33490..33562)], trnT [34472..34543], trnS [complement(38661..38753)], trnG [39983..40053], trnM [complement(40226..40299)], trnS [48966..49052], trnT [complement(50131..50203)], trnL [51450..52040], trnF [52208..52280], trnV [complement(55236..55908)], trnM [56082..56154], trnW [complement(71033..71106)], trnP [complement(71301..71374)], trnI [complement(91032..91105)], trnL [complement(98985..99065)], trnV [105382..105453], rrn16 [105681..107171], trnI [107466..108489], trnA [108559..109434], rrn23 [109587..112400], rrn4.5 [112499..112601], rrn5 [112826..112946], trnR [113203..113276], trnN [complement(113907..113978)], trnL [119517..119596], trnN [135321..135392], trnR [complement(136023..136096)], rrn5 [complement(136353..136473)], rrn4.5 [complement(136698..136800)], rrn23 [complement(136899..139712)], trnA [complement(139865..140740)], trnI [complement(140811..141834)], rrn16 [complement(142128..143618)], trnV [complement(143846..143917)], trnL [150234..150314], trnI [158194..158267]
401.	EUGR	4	rrn5 [complement(136201..136321)], rrn4.5 [complement(136546..136648)], rrn23 [complement(136747..139556)], rrn16 [complement(141975..143465)]
402.	EUGU	45	trnH [complement(2..76)], trnK [complement(1874..4488)], trnQ [complement(7567..7638)], trnS [complement(8832..8919)], trnG [9715..10530], trnR [10790..10861], trnC [29521..29591], trnD [complement(32735..32808)], trnY [complement(33246..33329)], trnE [complement(33389..33461)], trnT [34381..34452], trnS [complement(38534..38626)], trnG [39972..40042], trnM [complement(40217..40290)], trnS [48961..49047], trnT [complement(50126..50198)], trnL [51459..52054], trnF [52222..52294], trnV [complement(55260..55932)], trnM [56106..56178], trnW [complement(71019..71092)], trnP [complement(71287..71360)], trnI [complement(91072..91145)], trnL [complement(99025..99105)], trnV [105417..105488], rrn16 [105716..107206], trnI [107501..108524], trnA [108594..109469], rrn23 [109622..112434], rrn4.5 [112533..112635], rrn5 [112860..112980], trnR [113236..113309], trnN [complement(113939..114010)], trnL [119732..119811], trnN [135565..135636], trnR [complement(136266..136339)], rrn5 [complement(136595..136715)], rrn4.5 [complement(136940..137042)], rrn23 [complement(137141..139953)], trnA [complement(140106..140981)], trnI [complement(141052..142075)], rrn16 [complement(142369..143859)], trnV [complement(144087..144158)], trnL [150470..150550], trnI [158430..158503]
403.	EUMA	45	trnH [complement(2..76)], trnK [complement(1868..4483)], trnQ [complement(7576..7647)], trnS [complement(8849..8936)], trnG [9731..10552], trnR [10826..10897], trnC [29584..29654], trnD [complement(32803..32876)], trnY [complement(33314..33397)], trnE [complement(33457..33529)], trnT [34442..34513], trnS [complement(38572..38664)], trnG [40004..40074], trnM [complement(40247..40320)], trnS [48989..49075], trnT [complement(50155..50227)], trnL [51437..51999], trnF [52167..52239], trnV

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(55171..55842)], trnM [56016..56088], trnW [complement(70888..70961)], trnP [complement(71155..71228)], trnI [complement(90848..90921)], trnL [complement(98801..98881)], trnV [105197..105268], rrn16 [105496..106986], trnI [107281..108304], trnA [108374..109249], rrn23 [109402..112214], rrn4.5 [112313..112415], rrn5 [112640..112760], trnR [113018..113091], trnN [complement(113721..113792)], trnL [119304..119383], trnN [135113..135184], trnR [complement(135814..135887)], rrn5 [complement(136145..136265)], rrn4.5 [complement(136490..136592)], rrn23 [complement(136691..139503)], trnA [complement(139656..140531)], trnI [complement(140602..141625)], rrn16 [complement(141919..143409)], trnV [complement(143637..143708)], trnL [150024..150104], trnI [157984..158057]
404.	EUME	45	trnH [complement(2..76)], trnK [complement(1901..4523)], trnQ [complement(7650..7721)], trnS [complement(8942..9029)], trnG [9819..10635], trnR [10888..10959], trnC [29632..29702], trnD [complement(32863..32936)], trnY [complement(33382..33465)], trnE [complement(33525..33597)], trnT [34507..34578], trnS [complement(38679..38771)], trnG [40054..40124], trnM [complement(40298..40371)], trnS [49030..49116], trnT [complement(50190..50262)], trnL [51509..52104], trnF [52272..52344], trnV [complement(55301..55974)], trnM [56148..56220], trnW [complement(71080..71153)], trnP [complement(71348..71421)], trnI [complement(91098..91171)], trnL [complement(99051..99131)], trnV [105448..105519], rrn16 [105747..107237], trnI [107532..108555], trnA [108625..109500], rrn23 [109653..112465], rrn4.5 [112564..112666], rrn5 [112891..113011], trnR [113268..113341], trnN [complement(113971..114042)], trnL [119598..119677], trnN [135418..135489], trnR [complement(136119..136192)], rrn5 [complement(136449..136569)], rrn4.5 [complement(136794..136896)], rrn23 [complement(136995..139807)], trnA [complement(139960..140835)], trnI [complement(140906..141929)], rrn16 [complement(142223..143713)], trnV [complement(143941..144012)], trnL [150329..150409], trnI [158289..158362]
405.	EUMI	45	trnH [complement(2..76)], trnK [complement(1898..4495)], trnQ [complement(7575..7646)], trnS [complement(8836..8923)], trnG [9717..10534], trnR [10787..10858], trnC [29586..29656], trnD [complement(32810..32883)], trnY [complement(33326..33409)], trnE [complement(33469..33541)], trnT [34462..34533], trnS [complement(38612..38704)], trnG [40064..40134], trnM [complement(40307..40380)], trnS [49024..49110], trnT [complement(50189..50261)], trnL [51503..52098], trnF [52265..52337], trnV [complement(55301..55973)], trnM [56147..56219], trnW [complement(71050..71123)], trnP [complement(71321..71394)], trnI [complement(91069..91142)], trnL [complement(99022..99102)], trnV [105418..105489], rrn16 [105717..107207], trnI [107502..108525], trnA [108595..109470], rrn23 [109623..112435], rrn4.5 [112534..112636], rrn5 [112861..112981], trnR [113238..113311], trnN [complement(113941..114012)], trnL [119461..119540], trnN [135265..135336], trnR [complement(135966..136039)], rrn5 [complement(136296..136416)], rrn4.5 [complement(136641..136743)], rrn23 [complement(136842..139654)], trnA [complement(139807..140682)], trnI [complement(140753..141776)], rrn16 [complement(142070..143560)], trnV [complement(143788..143859)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			trnL [150175..150255], trnI [158135..158208]
406.	EUNI	45	trnH [complement(5..79)], trnK [complement(1926..4549)], trnQ [complement(7622..7693)], trnS [complement(8913..9000)], trnG [9788..10603], trnR [10856..10927], trnC [29595..29665], trnD [complement(32831..32904)], trnY [complement(33349..33432)], trnE [complement(33492..33564)], trnT [34473..34544], trnS [complement(38655..38747)], trnG [39975..40045], trnM [complement(40218..40291)], trnS [48942..49028], trnT [complement(50107..50179)], trnL [51425..52015], trnF [52183..52255], trnV [complement(55211..55883)], trnM [56057..56129], trnW [complement(71035..71108)], trnP [complement(71303..71376)], trnI [complement(91032..91105)], trnL [complement(98985..99065)], trnV [105382..105453], rrn16 [105681..107171], trnI [107466..108489], trnA [108559..109434], rrn23 [109587..112399], rrn4.5 [112498..112600], rrn5 [112825..112945], trnR [113202..113275], trnN [complement(113906..113977)], trnL [119494..119573], trnN [135300..135371], trnR [complement(136002..136075)], rrn5 [complement(136332..136452)], rrn4.5 [complement(136677..136779)], rrn23 [complement(136878..139690)], trnA [complement(139843..140718)], trnI [complement(140789..141812)], rrn16 [complement(142106..143596)], trnV [complement(143824..143895)], trnL [150212..150292], trnI [158172..158245]
407.	EUOB	45	trnH [complement(join(1..74,159527))], trnK [complement(1866..4480)], trnQ [complement(7552..7623)], trnS [complement(8809..8896)], trnG [9690..10504], trnR [10759..10830], trnC [29501..29571], trnD [complement(32706..32779)], trnY [complement(33217..33300)], trnE [complement(33360..33432)], trnT [34311..34382], trnS [complement(38470..38562)], trnG [39502..39572], trnM [complement(39744..39817)], trnS [48461..48547], trnT [complement(49620..49692)], trnL [50878..51440], trnF [51608..51680], trnV [complement(54612..55283)], trnM [55457..55529], trnW [complement(70357..70430)], trnP [complement(70624..70697)], trnI [complement(90296..90369)], trnL [complement(98249..98329)], trnV [104646..104717], rrn16 [104945..106435], trnI [106730..107753], trnA [107823..108698], rrn23 [108851..111663], rrn4.5 [111762..111864], rrn5 [112089..112209], trnR [112466..112539], trnN [complement(113169..113240)], trnL [118727..118806], trnN [134581..134652], trnR [complement(135282..135355)], rrn5 [complement(135612..135732)], rrn4.5 [complement(135957..136059)], rrn23 [complement(136158..138970)], trnA [complement(139123..139998)], trnI [complement(140069..141092)], rrn16 [complement(141386..142876)], trnV [complement(143104..143175)], trnL [149492..149572], trnI [157452..157525]
408.	EUPA	45	trnH [complement(2..76)], trnK [complement(1872..4469)], trnQ [complement(7560..7631)], trnS [complement(8724..8811)], trnG [9629..10443], trnR [10697..10768], trnC [29467..29537], trnD [complement(32665..32738)], trnY [complement(33182..33265)], trnE [complement(33325..33397)], trnT [34316..34387], trnS [complement(38457..38549)], trnG [39920..39990], trnM [complement(40162..40235)], trnS [48915..49001], trnT [complement(50080..50152)], trnL [51407..51969], trnF [52136..52208], trnV [complement(55141..55812)], trnM [55986..56058], trnW [complement(70908..70981)], trnP [complement(71175..71248)], trnI [complement(90916..90989)], trnL [complement(98869..98949)], trnV

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[105265..105336], rrn16 [105564..107054], trnI [107349..108372], trnA [108442..109317], rrn23 [109470..112282], rrn4.5 [112381..112483], rrn5 [112708..112828], trnR [113085..113158], trnN [complement(113780..113851)], trnL [119385..119464], trnN [135239..135310], trnR [complement(135932..136005)], rrn5 [complement(136262..136382)], rrn4.5 [complement(136607..136709)], rrn23 [complement(136808..139620)], trnA [complement(139773..140648)], trnI [complement(140719..141742)], rrn16 [complement(142036..143526)], trnV [complement(143754..143825)], trnL [150141..150221], trnI [158101..158174]
409.	EUPU	45	trnH [complement(2..76)], trnK [complement(1865..4487)], trnQ [complement(7517..7588)], trnS [complement(8808..8895)], trnG [9688..10504], trnR [10757..10828], trnC [29499..29569], trnD [complement(32730..32803)], trnY [complement(33248..33331)], trnE [complement(33391..33463)], trnT [34373..34444], trnS [complement(38522..38614)], trnG [39897..39967], trnM [complement(40142..40215)], trnS [48906..48992], trnT [complement(50066..50138)], trnL [51376..51971], trnF [52139..52211], trnV [complement(55168..55841)], trnM [56015..56087], trnW [complement(70952..71025)], trnP [complement(71220..71293)], trnI [complement(90969..91042)], trnL [complement(98922..99002)], trnV [105319..105390], rrn16 [105618..107108], trnI [107403..108426], trnA [108496..109371], rrn23 [109524..112336], rrn4.5 [112435..112537], rrn5 [112762..112882], trnR [113139..113212], trnN [complement(113842..113913)], trnL [119494..119573], trnN [135300..135371], trnR [complement(136001..136074)], rrn5 [complement(136331..136451)], rrn4.5 [complement(136676..136778)], rrn23 [complement(136877..139689)], trnA [complement(139842..140717)], trnI [complement(140788..141811)], rrn16 [complement(142105..143595)], trnV [complement(143823..143894)], trnL [150211..150291], trnI [158171..158244]
410.	EUPU	45	trnH [complement(1..75)], trnK [complement(1872..4469)], trnQ [complement(7526..7597)], trnS [complement(8776..8863)], trnG [9652..10465], trnR [10720..10791], trnC [29493..29563], trnD [complement(32701..32774)], trnY [complement(33185..33270)], trnE [complement(33328..33402)], trnT [34279..34352], trnS [complement(38444..38536)], trnG [39908..39979], trnM [complement(40149..40223)], trnS [48870..48956], trnT [complement(50034..50108)], trnL [51355..51917], trnF [52085..52158], trnV [complement(55120..55789)], trnM [55965..56037], trnW [complement(70860..70933)], trnP [complement(71125..71200)], trnI [complement(90787..90861)], trnL [complement(98740..98822)], trnV [105138..105209], rrn16 [105437..106927], trnI [107222..108245], trnA [108315..109190], rrn23 [109343..112152], rrn4.5 [112254..112356], rrn5 [112581..112701], trnR [112958..113032], trnN [complement(113660..113733)], trnL [119228..119307], trnN [134997..135070], trnR [complement(135698..135772)], rrn5 [complement(136029..136149)], rrn4.5 [complement(136374..136476)], rrn23 [complement(136578..139387)], trnA [complement(139540..140415)], trnI [complement(140485..141508)], rrn16 [complement(141803..143293)], trnV [complement(143521..143592)], trnL [149908..149990], trnI [157869..157943]
411.	EURU	45	trnH [complement(join(1..74,159529))], trnK [complement(1865..4479)], trnQ [complement(7542..7613)], trnS

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(8799..8886)], trnG [9680..10494], trnR [10748..10819], trnC [29490..29560], trnD [complement(32695..32768)], trnY [complement(33206..33289)], trnE [complement(33349..33421)], trnT [34300..34371], trnS [complement(38429..38521)], trnG [39466..39536], trnM [complement(39708..39781)], trnS [48453..48539], trnT [complement(49612..49684)], trnL [50870..51432], trnF [51600..51672], trnV [complement(54603..55274)], trnM [55448..55520], trnW [complement(70357..70430)], trnP [complement(70624..70697)], trnI [complement(90298..90371)], trnL [complement(98251..98331)], trnV [104648..104719], rrn16 [104947..106437], trnI [106732..107755], trnA [107825..108700], rrn23 [108853..111665], rrn4.5 [111764..111866], rrn5 [112091..112211], trnR [112468..112541], trnN [complement(113171..113242)], trnL [118728..118807], trnN [134583..134654], trnR [complement(135284..135357)], rrn5 [complement(135614..135734)], rrn4.5 [complement(135959..136061)], rrn23 [complement(136160..138972)], trnA [complement(139125..140000)], trnI [complement(140071..141094)], rrn16 [complement(141388..142878)], trnV [complement(143106..143177)], trnL [149494..149574], trnI [157454..157527]
412.	EURE	45	trnH [complement(join(1..74,160031))], trnK [complement(1871..4468)], trnQ [complement(7534..7605)], trnS [complement(8781..8868)], trnG [9657..10470], trnR [10725..10796], trnC [29546..29616], trnD [complement(32755..32828)], trnY [complement(33239..33322)], trnE [complement(33382..33454)], trnT [34333..34404], trnS [complement(38494..38586)], trnG [39942..40012], trnM [complement(40184..40257)], trnS [48925..49011], trnT [complement(50090..50162)], trnL [51401..51963], trnF [52130..52202], trnV [complement(55133..55804)], trnM [55978..56050], trnW [complement(70911..70984)], trnP [complement(71179..71252)], trnI [complement(90863..90936)], trnL [complement(98816..98896)], trnV [105207..105278], rrn16 [105506..106996], trnI [107291..108314], trnA [108384..109259], rrn23 [109412..112224], rrn4.5 [112323..112425], rrn5 [112650..112770], trnR [113027..113100], trnN [complement(113730..113801)], trnL [119337..119416], trnN [135091..135162], trnR [complement(135792..135865)], rrn5 [complement(136122..136242)], rrn4.5 [complement(136467..136569)], rrn23 [complement(136668..139480)], trnA [complement(139633..140508)], trnI [complement(140579..141602)], rrn16 [complement(141896..143386)], trnV [complement(143614..143685)], trnL [149996..150076], trnI [157956..158029]
413.	EUSA	45	trnH [complement(2..76)], trnK [complement(1895..4510)], trnQ [complement(7597..7668)], trnS [complement(8858..8945)], trnG [9726..10542], trnR [10795..10866], trnC [29570..29640], trnD [complement(32804..32877)], trnY [complement(33315..33398)], trnE [complement(33458..33530)], trnT [34449..34520], trnS [complement(38625..38717)], trnG [40051..40121], trnM [complement(40296..40369)], trnS [49023..49109], trnT [complement(50188..50260)], trnL [51526..52121], trnF [52288..52360], trnV [complement(55342..56016)], trnM [56190..56262], trnW [complement(71188..71261)], trnP [complement(71456..71529)], trnI [complement(91195..91268)], trnL [complement(99148..99228)], trnV [105544..105615], rrn16 [105843..107333], trnI [107628..108651], trnA [108721..109596], rrn23 [109749..112561], rrn4.5 [112660..112762], rrn5 [112987..113107], trnR [113365..113438], trnN

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(114065..114136)], trnL [119614..119693], trnN [135451..135522], trnR [complement(136149..136222)], rrn5 [complement(136480..136600)], rrn4.5 [complement(136825..136927)], rrn23 [complement(137026..139838)], trnA [complement(139991..140866)], trnI [complement(140937..141960)], rrn16 [complement(142254..143744)], trnV [complement(143972..144043)], trnL [150359..150439], trnI [158319..158392]
414.	EUSI	45	trnH [complement(join(1..74,159985))], trnK [complement(1871..4468)], trnQ [complement(7535..7606)], trnS [complement(8785..8872)], trnG [9662..10475], trnR [10730..10801], trnC [29508..29578], trnD [complement(32773..32846)], trnY [complement(33257..33340)], trnE [complement(33400..33472)], trnT [34351..34422], trnS [complement(38511..38603)], trnG [39923..39993], trnM [complement(40165..40238)], trnS [48885..48971], trnT [complement(50050..50122)], trnL [51379..51941], trnF [52108..52180], trnV [complement(55114..55785)], trnM [55959..56031], trnW [complement(70899..70972)], trnP [complement(71167..71240)], trnI [complement(90851..90924)], trnL [complement(98804..98884)], trnV [105201..105272], rrn16 [105500..106990], trnI [107285..108308], trnA [108378..109253], rrn23 [109406..112218], rrn4.5 [112317..112419], rrn5 [112644..112764], trnR [113021..113094], trnN [complement(113724..113795)], trnL [119261..119340], trnN [135039..135110], trnR [complement(135740..135813)], rrn5 [complement(136070..136190)], rrn4.5 [complement(136415..136517)], rrn23 [complement(136616..139428)], trnA [complement(139581..140456)], trnI [complement(140527..141550)], rrn16 [complement(141844..143334)], trnV [complement(143562..143633)], trnL [149950..150030], trnI [157910..157983]
415.	EUSL	45	trnH [complement(2..76)], trnK [complement(1875..4497)], trnQ [complement(7591..7662)], trnS [complement(8880..8967)], trnG [9756..10571], trnR [10824..10895], trnC [29602..29672], trnD [complement(32815..32888)], trnY [complement(33333..33416)], trnE [complement(33476..33548)], trnT [34459..34530], trnS [complement(38636..38728)], trnG [39947..40017], trnM [complement(40190..40263)], trnS [48942..49028], trnT [complement(50107..50179)], trnL [51448..52038], trnF [52206..52278], trnV [complement(55234..55906)], trnM [56080..56152], trnW [complement(71069..71142)], trnP [complement(71337..71410)], trnI [complement(91065..91138)], trnL [complement(98895..98975)], trnV [105292..105363], rrn16 [105591..107081], trnI [107376..108399], trnA [108469..109344], rrn23 [109497..112309], rrn4.5 [112408..112510], rrn5 [112735..112855], trnR [113112..113185], trnN [complement(113816..113887)], trnL [119379..119458], trnN [135170..135241], trnR [complement(135872..135945)], rrn5 [complement(136202..136322)], rrn4.5 [complement(136547..136649)], rrn23 [complement(136748..139560)], trnA [complement(139713..140588)], trnI [complement(140659..141682)], rrn16 [complement(141976..143466)], trnV [complement(143694..143765)], trnL [150082..150162], trnI [157919..157992]
416.	EUSM	8	rrn16 [95372..96863], rrn23 [99279..102166], rrn4.5 [102266..102360], rrn5 [102593..102713], rrn5 [complement(120494..120614)], rrn4.5 [complement(120847..120941)], rrn23 [complement(121041..123928)], rrn16 [complement(126344..127835)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
417.	EUSP	45	trnH [complement(2..76)], trnK [complement(1868..4512)], trnQ [complement(7626..7697)], trnS [complement(8920..9007)], trnG [9795..10609], trnR [10862..10933], trnC [29587..29657], trnD [complement(32537..32610)], trnY [complement(33048..33131)], trnE [complement(33191..33263)], trnT [34194..34265], trnS [complement(38353..38445)], trnG [39726..39796], trnM [complement(39969..40042)], trnS [48715..48801], trnT [complement(49880..49952)], trnL [51236..51831], trnF [52000..52072], trnV [complement(55007..55675)], trnM [55849..55921], trnW [complement(70745..70818)], trnP [complement(71016..71089)], trnI [complement(90747..90820)], trnL [complement(98695..98775)], trnV [105091..105162], rrr16 [105390..106880], trnI [107175..108198], trnA [108268..109143], rrr23 [109296..112108], rrr4.5 [112207..112309], rrr5 [112534..112654], trnR [112911..112984], trnN [complement(113614..113685)], trnL [120310..120389], trnN [136116..136187], trnR [complement(136817..136890)], rrr5 [complement(137147..137267)], rrr4.5 [complement(137492..137594)], rrr23 [complement(137693..140505)], trnA [complement(140658..141533)], trnI [complement(141604..142627)], rrr16 [complement(142921..144411)], trnV [complement(144639..144710)], trnL [151026..151106], trnI [158981..159054]
418.	EUTI	46	trnH [complement(77..151)], trnK [complement(2280..4908)], trnQ [complement(7983..8054)], trnS [complement(9321..9408)], trnR [11473..11544], trnC [29949..30029], trnD [complement(32996..33069)], trnY [complement(33511..33594)], trnE [complement(33671..33743)], trnT [34202..34273], trnM [34208..34266], trnS [complement(38895..38983)], trnG [40074..40144], trnM [complement(40334..40407)], trnS [48783..48869], trnT [complement(50192..50264)], trnL [50686..51362], trnF [51785..51857], trnM [56813..56884], trnT [56818..56876], trnW [complement(72590..72662)], trnP [complement(72851..72924)], trnP [complement(72853..72923)], trnI [complement(93981..94053)], trnL [complement(102034..102114)], trnV [108466..108537], rrr16 [108762..110251], trnI [110542..111563], trnA [111628..112503], rrr23 [112656..115465], rrr4.5 [115564..115666], rrr5 [115891..116011], trnR [116251..116324], trnN [complement(116749..116820)], trnL [121804..121883], trnN [137531..137602], trnR [complement(138027..138100)], rrr5 [complement(138340..138460)], rrr4.5 [complement(138685..138787)], rrr23 [complement(138886..141695)], trnA [complement(141848..142723)], trnI [complement(142788..143809)], rrr16 [complement(144100..145590)], trnV [complement(145814..145885)], trnL [152237..152317], trnI [160298..160371]
419.	EUTO	45	trnH [complement(2..76)], trnK [complement(1868..4489)], trnQ [complement(7605..7676)], trnS [complement(8900..8987)], trnG [9775..10589], trnR [10842..10913], trnC [29596..29666], trnD [complement(32812..32885)], trnY [complement(33317..33400)], trnE [complement(33460..33532)], trnT [34439..34510], trnS [complement(38617..38709)], trnG [39999..40069], trnM [complement(40242..40315)], trnS [48983..49069], trnT [complement(50148..50220)], trnL [51486..52076], trnF [52246..52318], trnV [complement(55284..55957)], trnM [56131..56203], trnW [complement(71048..71121)], trnP [complement(71318..71391)], trnI [complement(91036..91109)], trnL [complement(98989..99069)], trnV [105385..105456], rrr16 [105684..107174], trnI [107469..108492], trnA [108562..109437], rrr23

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[109590..112402], rrn4.5 [112501..112603], rrn5 [112828..112948], trnR [113205..113278], trnN [complement(113908..113979)], trnL [119470..119549], trnN [135263..135334], trnR [complement(135964..136037)], rrn5 [complement(136294..136414)], rrn4.5 [complement(136639..136741)], rrn23 [complement(136840..139652)], trnA [complement(139805..140680)], trnI [complement(140751..141774)], rrn16 [complement(142068..143558)], trnV [complement(143786..143857)], trnL [150173..150253], trnI [158133..158206]
420.	EUTR	8	rrn16 [102394..103884], rrn23 [106295..109104], rrn4.5 [109206..109308], rrn5 [109533..109653], rrn5 [complement(130732..130852)], rrn4.5 [complement(131077..131179)], rrn23 [complement(131278..134087)], rrn16 [complement(136501..137991)]
421.	EUUM	45	trnH [complement(join(1..74,159576))], trnK [complement(1868..4482)], trnQ [complement(7603..7674)], trnS [complement(8860..8947)], trnG [9738..10551], trnR [10805..10876], trnC [29569..29639], trnD [complement(32815..32888)], trnY [complement(33326..33409)], trnE [complement(33469..33541)], trnT [34420..34491], trnS [complement(38550..38642)], trnG [39983..40053], trnM [complement(40225..40298)], trnS [48954..49040], trnT [complement(50124..50196)], trnL [51411..51968], trnF [52137..52209], trnV [complement(55141..55812)], trnM [55986..56058], trnW [complement(70901..70974)], trnP [complement(71168..71241)], trnI [complement(90868..90941)], trnL [complement(98821..98901)], trnV [105218..105289], rrn16 [105517..107007], trnI [107302..108325], trnA [108395..109270], rrn23 [109423..112235], rrn4.5 [112334..112436], rrn5 [112661..112781], trnR [113038..113111], trnN [complement(113741..113812)], trnL [118816..118895], trnN [134629..134700], trnR [complement(135330..135403)], rrn5 [complement(135660..135780)], rrn4.5 [complement(136005..136107)], rrn23 [complement(136206..139018)], trnA [complement(139171..140046)], trnI [complement(140117..141140)], rrn16 [complement(141434..142924)], trnV [complement(143152..143223)], trnL [149540..149620], trnI [157500..157573]
422.	EUUN	45	trnH [complement(44..118)], trnK [complement(1925..4530)], trnQ [complement(7527..7598)], trnS [complement(8766..8853)], trnG [9659..10485], trnR [10730..10801], trnC [29277..29347], trnD [complement(32463..32536)], trnY [complement(33000..33083)], trnE [complement(33143..33215)], trnT [33916..33987], trnS [complement(38015..38107)], trnG [39538..39608], trnM [complement(39779..39852)], trnS [48435..48521], trnT [complement(49538..49610)], trnL [50803..51387], trnF [51564..51636], trnV [complement(54598..55273)], trnM [55446..55518], trnW [complement(69658..69731)], trnP [complement(69898..69971)], trnI [complement(89478..89551)], trnL [complement(97449..97529)], trnV [103842..103913], rrn16 [104141..105631], trnI [105926..106954], trnA [107019..107894], rrn23 [108047..110856], rrn4.5 [110958..111060], rrn5 [111291..111411], trnR [111668..111741], trnN [complement(112347..112418)], trnL [117695..117774], trnN [133487..133558], trnR [complement(134164..134237)], rrn5 [complement(134494..134614)], rrn4.5 [complement(134845..134947)], rrn23 [complement(135046..137855)], trnA [complement(138011..138886)], trnI [complement(138951..139979)], rrn16 [complement(140274..141764)], trnV [complement(141992..142063)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			trnL [148376..148456], trnI [156354..156427]
423.	EUVE	45	trnH [complement(join(1..74,160109))], trnK [complement(1877..4474)], trnQ [complement(7551..7622)], trnS [complement(8814..8901)], trnG [9688..10501], trnR [10755..10826], trnC [29499..29569], trnD [complement(32743..32816)], trnY [complement(33254..33337)], trnE [complement(33397..33469)], trnT [34369..34440], trnS [complement(38505..38597)], trnG [39930..40000], trnM [complement(40172..40245)], trnS [48920..49006], trnT [complement(50085..50157)], trnL [51394..51956], trnF [52123..52195], trnV [complement(55126..55798)], trnM [55972..56044], trnW [complement(70931..71004)], trnP [complement(71199..71272)], trnI [complement(90894..90967)], trnL [complement(98847..98927)], trnV [105244..105315], rrn16 [105543..107033], trnI [107328..108351], trnA [108421..109296], rrn23 [109449..112261], rrn4.5 [112360..112462], rrn5 [112687..112807], trnR [113064..113137], trnN [complement(113767..113838)], trnL [119358..119437], trnN [135162..135233], trnR [complement(135863..135936)], rrn5 [complement(136193..136313)], rrn4.5 [complement(136538..136640)], rrn23 [complement(136739..139551)], trnA [complement(139704..140579)], trnI [complement(140650..141673)], rrn16 [complement(141967..143457)], trnV [complement(143685..143756)], trnL [150073..150153], trnI [158033..158106]
424.	FACR	8	rrn16 [103916..105406], rrn23 [107822..110631], rrn4.5 [110730..110832], rrn5 [111087..111207], rrn5 [complement(134856..134976)], rrn4.5 [complement(135231..135333)], rrn23 [complement(135432..138241)], rrn16 [complement(140657..142147)]
425.	FADI	8	rrn16 [100554..102044], rrn23 [104452..107261], rrn4.5 [107362..107464], rrn5 [107722..107842], rrn5 [complement(135901..136021)], rrn4.5 [complement(136279..136381)], rrn23 [complement(136480..139289)], rrn16 [complement(141699..143189)]
426.	FAEN	8	rrn16 [103908..105398], rrn23 [107814..110623], rrn4.5 [110722..110824], rrn5 [111079..111199], rrn5 [complement(134815..134935)], rrn4.5 [complement(135190..135292)], rrn23 [complement(135391..138200)], rrn16 [complement(140616..142106)]
427.	FATA	8	rrn16 [100530..102020], rrn23 [104428..107237], rrn4.5 [107338..107440], rrn5 [107698..107818], rrn5 [complement(135852..135972)], rrn4.5 [complement(136230..136332)], rrn23 [complement(136431..139240)], rrn16 [complement(141650..143140)]
428.	FEAR	8	rrn16 [92211..93702], rrn23 [96027..98911], rrn4.5 [99037..99131], rrn5 [99359..99479], rrn5 [complement(117218..117338)], rrn4.5 [complement(117566..117660)], rrn23 [complement(117756..120640)], rrn16 [complement(122969..124460)]
429.	FICA	8	rrn16 [104972..106462], rrn23 [108874..111683], rrn4.5 [111782..111884], rrn5 [112109..112229], rrn5 [complement(137035..137155)], rrn4.5 [complement(137380..137482)], rrn23 [complement(137581..140390)], rrn16 [complement(142802..144292)]
430.	FIPU	8	rrn16 [105304..106794], rrn23 [109216..112025], rrn4.5 [112129..112231], rrn5 [112494..112614], rrn5 [complement(135387..135507)], rrn4.5 [complement(135770..135872)], rrn23 [complement(135971..138780)], rrn16 [complement(141207..142697)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
431.	FIRA	2	trnM [55211..55283], trnM [157404..157478]
432.	FIRE	6	ycf3 [complement(45478..47522)], clpP [complement(74415..76632)], ycf15 [complement(103885..104076)], ycf1 [113642..114748], ndhF [complement(114651..116912)], ycf15 [145367..145558]
433.	FLIN	8	rrn16 [complement(101754..103243)], rrn23 [105660..108469], rrn4.5 [complement(108568..108670)], rrn5 [108898..109018], rrn5 [complement(132011..132131)], rrn4.5 [132359..132461], rrn23 [complement(132561..135530)], rrn16 [137785..139275]
434.	FOVU	8	rrn16 [100906..102396], rrn23 [104816..107629], rrn4.5 [107728..107830], rrn5 [108088..108208], rrn5 [complement(132079..132199)], rrn4.5 [complement(132457..132559)], rrn23 [complement(132658..135471)], rrn16 [complement(137892..139382)]
435.	FRNI	8	rrn16 [100003..101493], rrn23 [103933..106741], rrn4.5 [106840..106942], rrn5 [107184..107304], rrn5 [complement(125092..125212)], rrn4.5 [125369..125471], rrn23 [complement(125570..128378)], rrn16 [complement(130818..132308)]
436.	FROR	8	rrn16 [99481..100971], rrn23 [103413..106221], rrn4.5 [106320..106422], rrn5 [106617..106737], rrn5 [complement(124322..124442)], rrn4.5 [124612..124714], rrn23 [complement(124813..127621)], rrn16 [complement(130063..131553)]
437.	FRPE	8	rrn16 [101952..103442], rrn23 [105882..108690], rrn4.5 [108789..108891], rrn5 [109133..109253], rrn5 [complement(131960..132080)], rrn4.5 [complement(132322..132424)], rrn23 [complement(132523..135331)], rrn16 [complement(137771..139261)]
438.	FRSO	8	rrn16 [102783..104273], rrn23 [106725..109534], rrn4.5 [109633..109735], rrn5 [109965..110085], rrn5 [complement(133204..133324)], rrn4.5 [complement(133554..133656)], rrn23 [complement(133755..136564)], rrn16 [complement(139016..140506)]
439.	GAAN	1	trnG [8779..9542]
440.	GAAP	10	rps16 [complement(4987..6240)], petD [75994..77120], rrn16 [99199..100689], rrn23 [103109..105917], rrn4.5 [106017..106119], rrn5 [106345..106465], rrn5 [complement(129842..129962)], rrn4.5 [complement(130188..130290)], rrn23 [complement(130390..133198)], rrn16 [complement(135618..137108)]
441.	GAMO	8	rrn16 [100127..101617], rrn23 [104042..106850], rrn4.5 [106950..107052], rrn5 [107278..107398], rrn5 [complement(130751..130871)], rrn4.5 [complement(131097..131199)], rrn23 [complement(131299..134107)], rrn16 [complement(136532..138022)]
442.	GATE	8	rrn16 [94811..96302], rrn23 [98722..101609], rrn4.5 [101705..101799], rrn5 [102032..102152], rrn5 [complement(119819..119939)], rrn4.5 [complement(120172..120266)], rrn23 [complement(120362..123249)], rrn16 [complement(125669..127160)]
443.	GATH	8	rrn16 [94747..96238], rrn23 [98658..101545], rrn4.5 [101641..101735], rrn5 [101968..102088], rrn5 [complement(119763..119883)], rrn4.5 [complement(120116..120210)], rrn23 [complement(120306..123193)], rrn16 [complement(125613..127104)]
444.	GATT	1	ycf1 [complement(126138..127256)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
445.	GECA	8	rrn16 [94825..96316], rrn23 [98731..101618], rrn4.5 [101718..101812], rrn5 [102045..102165], rrn5 [complement(119977..120097)], rrn4.5 [complement(120330..120424)], rrn23 [complement(120524..123411)], rrn16 [complement(125826..127317)]
446.	GECE	45	trnH [complement(1..75)], trnK [complement(4256..4292)], trnQ [complement(5068..5139)], trnS [complement(6157..6243)], trnR [7712..7783], trnC [25554..25624], trnD [complement(28304..28377)], trnY [complement(28492..28575)], trnE [complement(28637..28709)], trnT [29191..29262], trnS [complement(33203..33293)], trnG [34039..34109], trnS [42678..42764], trnT [complement(44019..44091)], trnL [44773..45238], trnF [45593..45665], trnV [complement(46172..46842)], trnM [47043..47115], trnW [complement(60786..60859)], trnP [complement(61001..61074)], trnI [complement(80083..80156)], trnL [complement(87713..87793)], trnV [92699..92770], rrn16 [93010..94499], trnI [94796..95768], trnA [95832..96731], rrn23 [complement(96897..99706)], rrn4.5 [99813..99915], rrn5 [100156..100276], trnR [100541..100614], trnN [complement(101200..101272)], trnL [104487..104566], trnN [114243..114315], trnR [complement(114901..114974)], rrn5 [115239..115359], rrn4.5 [complement(115600..115702)], rrn23 [complement(115801..118610)], trnA [complement(118784..119683)], trnI [complement(119747..120719)], rrn16 [complement(121015..122504)], trnV [complement(122745..122816)], trnL [127722..127802], ycf15 [complement(128146..128376)], ycf2 [complement(128456..135250)], trnI [135359..135432]
447.	GEHE	43	trnH [complement(1..75)], trnK [complement(4250..4286)], trnQ [complement(5062..5133)], trnS [complement(6151..6237)], trnR [7698..7769], trnC [25544..25614], trnD [complement(28282..28355)], trnY [complement(28470..28553)], trnE [complement(28615..28687)], trnT [29169..29240], trnS [complement(33199..33289)], trnG [34033..34103], trnM [complement(34340..34413)], trnS [42674..42760], trnT [complement(44015..44087)], trnL [44757..45222], trnF [45586..45658], trnM [47052..47124], trnW [complement(60794..60867)], trnP [complement(61009..61082)], trnI [complement(80135..80208)], trnL [complement(87765..87845)], trnV [92751..92822], rrn16 [93062..94551], trnI [94848..95820], trnA [95884..96783], rrn23 [96949..99758], rrn4.5 [99865..99967], rrn5 [100208..100328], trnR [100587..100660], trnN [complement(101240..101312)], trnL [104282..104361], trnN [114034..114106], trnR [complement(114686..114759)], rrn5 [complement(115018..115138)], rrn4.5 [complement(115379..115481)], rrn23 [complement(115580..118389)], trnA [complement(118563..119462)], trnI [complement(119526..120498)], rrn16 [complement(120794..122283)], trnV [complement(122524..122595)], trnL [127501..127581], trnI [135138..135211]
448.	GEMA	10	rps12 [complement(join(93740..141255,1..66451))], psbK [7422..7607], rrn16 [96415..97905], rrn23 [100345..103154], rrn4.5 [103259..103363], rrn5 [103588..103708], rrn5 [complement(117936..118056)], rrn4.5 [complement(118281..118385)], rrn23 [complement(118490..121299)], rrn16 [complement(123739..125229)]
449.	GEOB	44	trnH [complement(1..75)], trnK [complement(4236..4272)], trnQ [complement(5048..5119)], trnS [complement(6137..6223)], trnR [7689..7760], trnC [25366..25436], trnD [complement(28113..28186)], trnY [complement(28301..28384)], trnE [complement(28446..28518)], trnT [29000..29071], trnS [complement(33032..33122)], trnG [33867..33937], trnM [complement(34174..34247)], trnS [42508..42594],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			trnT [complement(43849..43921)], trnL [44599..45064], trnF [45419..45491], trnV [complement(46014..46684)], trnM [46885..46957], trnW [complement(60629..60702)], trnP [complement(60844..60917)], trnI [complement(79967..80040)], trnL [complement(87597..87677)], trnV [92583..92654], rrn16 [92894..94383], trnI [94680..95652], trnA [95716..96615], rrn23 [96781..99590], rrn4.5 [99697..99799], rrn5 [100040..100160], trnR [100419..100492], trnN [complement(101072..101144)], trnL [104102..104181], trnN [113889..113961], trnR [complement(114541..114614)], rrn5 [complement(114873..114993)], rrn4.5 [complement(115234..115336)], rrn23 [complement(115435..118244)], trnA [complement(118418..119317)], trnI [complement(119381..120353)], rrn16 [complement(120649..122138)], trnV [complement(122379..122450)], trnL [127356..127436], trnI [134993..135066]
450.	GEOE	44	trnH [complement(1..75)], trnK [complement(4250..4286)], trnQ [complement(5062..5133)], trnS [complement(6151..6237)], trnR [7688..7759], trnC [25535..25605], trnD [complement(28280..28353)], trnY [complement(28468..28551)], trnE [complement(28613..28685)], trnT [29167..29238], trnS [complement(33198..33288)], trnG [34032..34102], trnM [complement(34339..34412)], trnS [42680..42766], trnT [complement(44021..44093)], trnL [44763..45228], trnF [45583..45655], trnV [complement(46178..46848)], trnM [47049..47121], trnW [complement(60792..60865)], trnP [complement(61007..61080)], rpl16 [complement(75330..76513)], trnI [complement(80121..80194)], trnL [complement(87751..87831)], trnV [92737..92808], rrn16 [93049..94538], trnI [94835..95807], trnA [95871..96769], rrn23 [96935..99744], rrn4.5 [99851..99953], rrn5 [100194..100314], trnN [101226..101298], trnL [104268..104347], trnN [114014..114086], trnR [complement(114666..114739)], rrn5 [complement(114998..115118)], rrn4.5 [complement(115359..115461)], rrn23 [complement(115560..118369)], trnA [complement(118543..119441)], trnI [complement(119505..120477)], rrn16 [complement(120773..122262)], trnV [complement(122504..122575)], trnL [127481..127561], trnI [135118..135191]
451.	GEOR	44	trnH [complement(1..75)], trnK [complement(4248..4284)], trnQ [complement(5060..5131)], trnS [complement(6149..6235)], trnR [7690..7761], trnC [25533..25603], trnD [complement(28283..28356)], trnY [complement(28471..28554)], trnE [complement(28616..28688)], trnT [29157..29228], trnS [complement(33167..33257)], trnG [34003..34073], trnM [complement(34310..34383)], trnS [42642..42728], trnT [complement(43983..44055)], trnL [44732..45197], trnF [45552..45624], trnV [complement(46132..46802)], trnM [47003..47075], trnW [complement(60728..60801)], trnP [complement(60947..61020)], trnI [complement(80029..80102)], trnL [complement(87659..87739)], trnV [92645..92716], rrn16 [92956..94445], trnI [94742..95714], trnA [95776..96678], rrn23 [96844..99653], rrn4.5 [99760..99862], rrn5 [100103..100223], trnR [100482..100555], trnN [complement(101141..101213)], trnL [104195..104274], trnN [113989..114061], trnR [complement(114647..114720)], rrn5 [complement(114979..115099)], rrn4.5 [complement(115340..115442)], rrn23 [complement(115541..118350)], trnA [complement(118524..119424)], trnI [complement(119488..120460)], rrn16

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(120756..122245)], trnV [complement(122486..122557)], trnL [127463..127543], trnI [135100..135173]
452.	GEPA	26	rrn16 [complement(2047..3557)], rrn16 [complement(3769..3952)], rrn23 [complement(5838..5886)], rrn5 [36473..36593], rrn16 [37195..37374], rrn23 [39320..39392], rrn16 [79470..79651], rrn16 [79747..80012], rrn16 [80016..80084], rrn23 [84290..84338], rrn16 [86149..86330], rrn16 [86544..88054], rrn23 [88845..91881], rrn4.5 [91991..92093], rrn5 [92176..92296], rrn23 [94201..94274], rrn4.5 [95302..95396], rrn5 [95479..95599], rrn5 [complement(145099..145219)], rrn4.5 [complement(145302..145396)], rrn23 [complement(146424..146497)], rrn5 [complement(148402..148522)], rrn4.5 [complement(148605..148707)], rrn23 [complement(148817..151853)], rrn16 [complement(152644..154154)], rrn16 [complement(154366..154549)]
453.	GESI	42	trnH [complement(6..80)], psbA [complement(305..1366)], trnK [complement(4106..4142)], trnQ [complement(5470..5541)], trnS [complement(6469..6555)], trnR [8028..8099], trnC [26125..26195], trnD [complement(28779..28852)], trnY [complement(28900..28983)], trnE [complement(29045..29117)], trnT [29521..29592], trnS [complement(33463..33553)], trnG [34251..34321], trnM [complement(34558..34631)], trnS [42919..43005], trnT [complement(44251..44323)], trnM [49380..49452], trnW [complement(62611..62684)], trnP [complement(62829..62902)], trnI [complement(81799..81872)], trnL [complement(89156..89236)], trnV [95113..95184], rrn16 [95412..96901], trnI [97197..98218], trnA [98280..99175], rrn23 [99341..102150], rrn4.5 [102257..102359], rrn5 [102579..102699], trnR [102960..103033], trnN [complement(103561..103633)], trnL [108465..108544], trnN [123236..123308], trnR [complement(123836..123909)], rrn5 [complement(124170..124290)], rrn4.5 [complement(124510..124612)], rrn23 [complement(124711..127520)], trnA [complement(127694..128589)], trnI [complement(128651..129672)], rrn16 [complement(129967..131456)], trnV [complement(131685..131756)], trnL [137633..137713], trnI [144997..145070]
454.	GEVE	43	trnH [complement(1..75)], trnK [complement(4236..4272)], trnQ [complement(5048..5119)], trnS [complement(6137..6223)], trnR [7688..7759], trnC [25534..25604], trnD [complement(28281..28354)], trnY [complement(28469..28552)], trnE [complement(28614..28686)], trnT [29168..29239], trnS [complement(33198..33288)], trnG [34034..34104], trnM [complement(34341..34414)], trnS [42676..42762], trnT [complement(44017..44089)], trnL [44767..45232], trnF [45587..45659], trnV [complement(46182..46852)], trnW [complement(60797..60870)], trnP [complement(61012..61085)], trnI [complement(80145..80218)], trnL [complement(87775..87855)], trnV [92761..92832], rrn16 [93072..94561], trnI [94858..95830], trnA [95894..96792], rrn23 [96958..99767], rrn4.5 [99874..99976], rrn5 [100217..100337], trnR [100596..100669], trnN [complement(101249..101321)], trnL [104292..104371], trnN [114079..114151], trnR [complement(114731..114804)], rrn5 [complement(115063..115183)], rrn4.5 [complement(115424..115526)], rrn23 [complement(115625..118434)], trnA [complement(118608..119506)], trnI [complement(119570..120542)], rrn16 [complement(120838..122327)], trnV [complement(122568..122639)], trnL [127545..127625], trnI [135182..135255]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
455.	GLCH	8	rrn16 [101883..103373], rrn23 [105800..108608], rrn4.5 [108713..108815], rrn5 [109041..109161], rrn5 [complement(133229..133349)], rrn4.5 [complement(133575..133677)], rrn23 [complement(133782..136590)], rrn16 [complement(139017..140507)]
456.	GLGL	4	rrn16 [99822..101312], rrn23 [103578..106386], rrn4.5 [106484..106587], rrn5 [106818..106938]
457.	GLGR	8	rrn16 [99602..101092], rrn23 [103524..106334], rrn4.5 [106436..106539], rrn5 [106768..106888], rrn5 [complement(128506..128626)], rrn4.5 [complement(128855..128958)], rrn23 [complement(129057..131867)], rrn16 [complement(134302..135792)]
458.	GLLI	8	rrn16 [101081..102571], rrn23 [105029..107842], rrn4.5 [107941..108043], rrn5 [108302..108422], rrn5 [complement(132552..132672)], rrn4.5 [complement(132931..133033)], rrn23 [complement(133132..135945)], rrn16 [complement(138403..139892)]
459.	GLSO	8	rrn16 [99601..101091], rrn23 [103523..106333], rrn4.5 [106435..106538], rrn5 [106767..106887], rrn5 [complement(128505..128625)], rrn4.5 [complement(128854..128957)], rrn23 [complement(129056..131866)], rrn16 [complement(134301..135791)]
460.	GNUL	1	ycf1 [complement(30221..37015)]
461.	GOAE	8	rrn16 [105029..106519], rrn23 [108942..111751], rrn4.5 [111850..111952], rrn5 [112210..112330], rrn5 [135425..135545], rrn4.5 [complement(135803..135905)], rrn23 [complement(136004..138813)], rrn16 [complement(141236..142726)]
462.	GOAR	8	rrn16 [105578..107068], rrn23 [109509..112318], rrn4.5 [112417..112519], rrn5 [112782..112902], rrn5 [136029..136149], rrn4.5 [complement(136412..136514)], rrn23 [complement(136613..139422)], rrn16 [complement(141863..143353)]
463.	GOCA	8	rrn16 [104941..106431], rrn23 [108859..111668], rrn4.5 [111767..111869], rrn5 [112127..112247], rrn5 [135286..135406], rrn4.5 [complement(135664..135766)], rrn23 [complement(135865..138674)], rrn16 [complement(141102..142592)]
464.	GODA	8	rrn16 [105753..107243], rrn23 [109684..112493], rrn4.5 [112592..112694], rrn5 [112957..113077], rrn5 [136186..136306], rrn4.5 [complement(136569..136671)], rrn23 [complement(136770..139579)], rrn16 [complement(142020..143510)]
465.	GOGO	8	rrn16 [105653..107143], rrn23 [109571..112380], rrn4.5 [112479..112581], rrn5 [112844..112964], rrn5 [135799..135919], rrn4.5 [complement(136182..136284)], rrn23 [complement(136383..139192)], rrn16 [complement(141620..143110)]
466.	GOHI	8	rrn16 [105659..107149], rrn23 [109594..112403], rrn4.5 [112502..112604], rrn5 [112867..112987], rrn5 [complement(136110..136230)], rrn4.5 [complement(136493..136595)], rrn23 [complement(136694..139503)], rrn16 [complement(141948..143438)]
467.	GOIN	8	rrn16 [104715..106205], rrn23 [108628..111437], rrn4.5 [111536..111638], rrn5 [111896..112016], rrn5 [135069..135189], rrn4.5 [complement(135447..135549)], rrn23 [complement(135648..138457)], rrn16 [complement(140880..142370)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
468.	GOLB	8	rrn16 [105656..107146], rrn23 [109574..112383], rrn4.5 [112482..112584], rrn5 [112847..112967], rrn5 [complement(136050..136170)], rrn4.5 [complement(136433..136535)], rrn23 [complement(136634..139443)], rrn16 [complement(141871..143361)]
469.	GOMU	8	rrn16 [105674..107164], rrn23 [109605..112414], rrn4.5 [112513..112615], rrn5 [112878..112998], rrn5 [136110..136230], rrn4.5 [complement(136493..136595)], rrn23 [complement(136694..139503)], rrn16 [complement(141944..143434)]
470.	GONA	8	rrn16 [105124..106614], rrn23 [109042..111851], rrn4.5 [111950..112052], rrn5 [112315..112435], rrn5 [complement(135527..135647)], rrn4.5 [complement(135910..136012)], rrn23 [complement(136111..138920)], rrn16 [complement(141348..142838)]
471.	GORA	8	rrn16 [105574..107064], rrn23 [109492..112301], rrn4.5 [112400..112502], rrn5 [112765..112885], rrn5 [135931..136051], rrn4.5 [complement(136314..136416)], rrn23 [complement(136515..139324)], rrn16 [complement(141824..143314)]
472.	GORO	8	rrn16 [105325..106815], rrn23 [109248..112057], rrn4.5 [112156..112258], rrn5 [112521..112641], rrn5 [135695..135815], rrn4.5 [complement(136078..136180)], rrn23 [complement(136279..139088)], rrn16 [complement(141521..143011)]
473.	GOSH	8	rrn16 [105624..107114], rrn23 [109543..112352], rrn4.5 [112451..112553], rrn5 [112816..112936], rrn5 [complement(136043..136163)], rrn4.5 [complement(136426..136528)], rrn23 [complement(136627..139436)], rrn16 [complement(141865..143355)]
474.	GOSO	8	rrn16 [104997..106487], rrn23 [108910..111719], rrn4.5 [111818..111920], rrn5 [112178..112298], rrn5 [135392..135512], rrn4.5 [complement(135770..135872)], rrn23 [complement(135971..138780)], rrn16 [complement(141203..142693)]
475.	GOTO	8	rrn16 [105791..107281], rrn23 [109722..112531], rrn4.5 [112630..112732], rrn5 [112995..113115], rrn5 [136229..136349], rrn4.5 [complement(136612..136714)], rrn23 [complement(136813..139622)], rrn16 [complement(142063..143553)]
476.	GRMO	1	trnT [complement(46724..46796)]
477.	GRSU	8	rrn16 [104697..106319], rrn23 [108754..111506], rrn4.5 [111612..111714], rrn5 [111933..112053], rrn5 [complement(135116..135236)], rrn4.5 [complement(135455..135557)], rrn23 [complement(135656..138458)], rrn16 [complement(140862..142352)]
478.	GUAG	13	accD [55723..56742], rps12 [complement(66824..124434)], psbB [70020..71546], rps19 [complement(81552..81647)], trnL [complement(84242..84322)], rrn16 [90646..92136], rrn23 [94601..97404], rrn4.5 [97505..97606], rrn5 [97812..97932], rrn5 [complement(114432..114552)], rrn4.5 [complement(114757..114859)], rrn23 [complement(114960..117763)], rrn16 [complement(120226..121716)]
479.	GULE	8	rrn16 [104731..106221], rrn23 [108647..111456], rrn4.5 [111557..111660], rrn5 [111884..112004], rrn5 [complement(135399..135519)], rrn4.5 [complement(135743..135846)], rrn23 [complement(135945..138754)], rrn16 [complement(141181..142671)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
480.	GYBU	1	ycf1 [111764..112975]
481.	GYCA	1	ycf1 [112767..113984]
482.	GYCO	1	ycf1 [111920..113137]
483.	GYCU	1	ycf1 [111915..113132]
484.	GYKI	8	rrn16 [104253..105743], rrn23 [108150..110952], rrn4.5 [111052..111154], rrn5 [111380..111500], rrn5 [complement(136096..136216)], rrn4.5 [complement(136442..136544)], rrn23 [complement(136644..139446)], rrn16 [complement(141853..143343)]
485.	GYLA	1	ycf1 [112121..113338]
486.	GYLO	1	ycf1 [111682..112893]
487.	GYMI	8	rrn16 [104331..105821], rrn23 [108223..111025], rrn4.5 [111125..111227], rrn5 [111453..111573], rrn5 [complement(136481..136601)], rrn4.5 [complement(136827..136929)], rrn23 [complement(137029..139831)], rrn16 [complement(142233..143723)]
488.	GYPE	8	rrn16 [104527..106017], rrn23 [108442..111251], rrn4.5 [111350..111452], rrn5 [111765..111885], rrn5 [complement(135491..135611)], rrn4.5 [complement(135924..136026)], rrn23 [complement(136125..138928)], rrn16 [complement(141359..142849)]
489.	GYPN	1	ycf1 [111581..112798]
490.	GYPU	1	ycf1 [111740..112951]
491.	GYSA	8	rrn16 [95233..96724], rrn23 [99144..102031], rrn4.5 [102127..102221], rrn5 [102449..102569], rrn5 [complement(120316..120436)], rrn4.5 [complement(120664..120758)], rrn23 [complement(120854..123741)], rrn16 [complement(126161..127652)]
492.	HAAM	8	rrn16 [98904..100394], rrn23 [102821..105628], rrn4.5 [105726..105828], rrn5 [106091..106211], rrn5 [complement(129574..129694)], rrn4.5 [complement(129957..130059)], rrn23 [complement(130157..132964)], rrn16 [complement(135391..136881)]
493.	HABR	8	rrn16 [104251..105741], rrn23 [108159..110968], rrn4.5 [111067..111170], rrn5 [111395..111515], rrn5 [complement(133679..133799)], rrn4.5 [complement(134024..134127)], rrn23 [complement(134226..137035)], rrn16 [complement(139453..140943)]
494.	HAHA	16	rrn16 [97537..99029], rrn16 [97537..99029], rrn23 [101472..104282], rrn23 [101472..104282], rrn4.5 [104381..104483], rrn4.5 [104381..104483], rrn5 [104708..104828], rrn5 [104708..104828], rrn5 [complement(127054..127174)], rrn5 [complement(127054..127174)], rrn4.5 [complement(127399..127501)], rrn4.5 [complement(127399..127501)], rrn23 [complement(127600..130410)], rrn23 [complement(127600..130410)], rrn16 [complement(132855..134345)], rrn16 [complement(132855..134345)]
495.	HAMA	8	rrn16 [91149..92640], rrn23 [95049..97936], rrn4.5 [98032..98126], rrn5 [98354..98474], rrn5 [complement(116465..116585)], rrn4.5 [complement(116813..116907)], rrn23 [complement(117003..119890)], rrn16 [complement(122299..123790)]
496.	HAML	8	rrn16 [107301..108791], rrn23 [111209..114016], rrn4.5 [114118..114220], rrn5 [114444..114564], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(138590..138710)], rrn4.5 [complement(138934..139036)], rrn23 [complement(139137..141944)], rrn16 [complement(144363..145853)]
497.	HAPE	8	rrn16 [98907..100397], rrn23 [102830..105637], rrn4.5 [105735..105837], rrn5 [106100..106220], trnR [complement(129251..129324)], rrn4.5 [complement(129967..130069)], rrn23 [complement(130166..132974)], rrn16 [complement(135407..136897)]
498.	HARH	1	petA [62593..63555]
499.	HEAG	8	rrn16 [105868..107358], rrn23 [109764..112573], rrn4.5 [112672..112774], rrn5 [113037..113157], rrn5 [complement(144851..144971)], rrn4.5 [complement(145234..145336)], rrn23 [complement(145435..148244)], rrn16 [complement(150650..152140)]
500.	HEAP	3	trnG [9435..10229], trnI [complement(89919..89992)], trnI [157797..157870]
501.	HEAR	8	rrn16 [99228..100717], rrn23 [102973..105781], rrn4.5 [105881..105983], rrn5 [106230..106350], rrn5 [complement(128261..128381)], rrn4.5 [complement(128627..128729)], rrn23 [complement(128828..131636)], rrn16 [complement(133892..135381)]
502.	HEBA	1	trnT [complement(47589..47661)]
503.	HECA	8	rrn16 [103174..104664], rrn23 [107078..109887], rrn4.5 [109986..110088], rrn5 [110310..110430], rrn5 [complement(133331..133451)], rrn4.5 [complement(133673..133775)], rrn23 [complement(133874..136683)], rrn16 [complement(139097..140587)]
504.	HECN	8	rrn16 [91842..93333], rrn23 [95749..98636], rrn4.5 [98736..98830], rrn5 [99063..99183], rrn5 [complement(117001..117121)], rrn4.5 [complement(117354..117448)], rrn23 [complement(117548..120435)], rrn16 [complement(122851..124342)]
505.	HECO	8	rrn16 [106959..108449], rrn23 [110851..113658], rrn4.5 [113760..113862], rrn5 [114083..114203], rrn5 [complement(137643..137763)], rrn4.5 [complement(137984..138086)], rrn23 [complement(138187..140994)], rrn16 [complement(143397..144887)]
506.	HEDB	8	rrn16 [99380..100870], rrn23 [103124..105933], rrn4.5 [106032..106134], rrn5 [106380..106500], rrn5 [complement(128418..128538)], rrn4.5 [complement(128784..128886)], rrn23 [complement(128985..131794)], rrn16 [complement(134048..135538)]
507.	HEEL	8	rrn16 [103151..104641], rrn23 [107034..109842], rrn4.5 [109941..110043], rrn5 [110301..110421], rrn5 [complement(133698..133818)], rrn4.5 [complement(134075..134177)], rrn23 [complement(134277..137085)], rrn16 [complement(139478..140968)]
508.	HEFO	9	rrn16 [105808..107298], trnA [108685..109546], rrn23 [109709..112518], rrn4.5 [112617..112719], rrn5 [112982..113102], rrn5 [complement(144795..144915)], rrn4.5 [complement(145178..145280)], rrn23 [complement(145379..148188)], rrn16 [complement(150599..152089)]
509.	HELJ	1	ycf1 [112419..113630]
510.	HELT	8	rrn16 [105739..107229], rrn23 [109640..112449], rrn4.5 [112548..112650], rrn5 [112913..113033], rrn5 [complement(144672..144792)], rrn4.5 [complement(145055..145157)], rrn23 [complement(145256..148065)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(150476..151966)]
511.	HEME	8	rrn16 [95524..97015], rrn23 [99432..102319], rrn4.5 [102419..102513], rrn5 [102746..102866], rrn5 [complement(120596..120716)], rrn4.5 [complement(120949..121043)], rrn23 [complement(121143..124030)], rrn16 [complement(126447..127938)]
512.	HENA	1	trnG [9598..10406]
513.	HEPR	8	rrn16 [103119..104609], rrn23 [107022..109831], rrn4.5 [109930..110032], rrn5 [110254..110374], rrn5 [complement(133257..133377)], rrn4.5 [complement(133599..133701)], rrn23 [complement(133800..136609)], rrn16 [complement(139022..140512)]
514.	HETR	8	rrn16 [94876..96367], rrn23 [98782..101669], rrn4.5 [101769..101863], rrn5 [102096..102216], rrn5 [complement(119978..120098)], rrn4.5 [complement(120331..120425)], rrn23 [complement(120525..123412)], rrn16 [complement(125827..127318)]
515.	HEUN	8	rrn16 [102711..104201], rrn23 [106608..109417], rrn4.5 [109516..109618], rrn5 [109840..109960], rrn5 [complement(132776..132896)], rrn4.5 [complement(133118..133220)], rrn23 [complement(133319..136128)], rrn16 [complement(138535..140025)]
516.	HEWH	8	rrn16 [103317..104807], rrn23 [107219..110029], rrn4.5 [110128..110230], rrn5 [110452..110572], rrn5 [complement(133431..133551)], rrn4.5 [complement(133773..133875)], rrn23 [complement(133974..136783)], rrn16 [complement(139196..140686)]
517.	HIBA	8	rrn16 [94426..95917], rrn23 [98346..101233], rrn4.5 [101329..101423], rrn5 [101651..101771], rrn5 [complement(120176..120296)], rrn4.5 [complement(120524..120618)], rrn23 [complement(120714..123601)], rrn16 [complement(126030..127521)]
518.	HIMA	1	psbC [10029..11450]
519.	HIPA	8	rrn16 [94013..95504], rrn23 [97923..100810], rrn4.5 [100906..101000], rrn5 [101228..101348], rrn5 [complement(119039..119159)], rrn4.5 [complement(119387..119481)], rrn23 [complement(119577..122464)], rrn16 [complement(124883..126374)]
520.	HIRI	8	rrn16 [91898..93389], rrn23 [95576..98463], rrn4.5 [98559..98653], rrn5 [98880..99000], rrn5 [complement(116900..117020)], rrn4.5 [complement(117247..117341)], rrn23 [complement(117437..120324)], rrn16 [complement(122511..124002)]
521.	HOAT	8	rrn16 [93492..94983], rrn23 [97403..100290], rrn4.5 [100386..100480], rrn5 [100708..100828], rrn5 [complement(118655..118775)], rrn4.5 [complement(119003..119097)], rrn23 [complement(119193..122080)], rrn16 [complement(124500..125991)]
522.	HOHA	8	rrn16 [99716..101206], rrn23 [103604..106412], rrn4.5 [106512..106614], rrn5 [106850..106970], rrn5 [complement(129245..129365)], rrn4.5 [complement(129601..129703)], rrn23 [complement(129802..132610)], rrn16 [complement(135009..136499)]
523.	HOIS	8	rrn16 [93708..95199], rrn23 [97619..100506], rrn4.5 [100602..100696], rrn5 [100924..101044], rrn5 [complement(118773..118893)], rrn4.5 [complement(119121..119215)], rrn23 [complement(119311..122198)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(124618..126109)]
524.	HOJU	8	rrn16 [92466..93957], rrn23 [96243..99130], rrn4.5 [99226..99320], rrn5 [99548..99668], rrn5 [complement(118060..118180)], rrn4.5 [complement(118408..118502)], rrn23 [complement(118598..121485)], rrn16 [complement(123771..125262)]
525.	HOLN	8	rrn16 [108843..110444], rrn23 [112890..115696], rrn4.5 [115799..115901], rrn5 [116144..116264], rrn5 [complement(140018..140138)], rrn4.5 [complement(140381..140483)], rrn23 [complement(140586..143392)], rrn16 [complement(145838..147439)]
526.	HOPO	8	rrn16 [107981..109470], rrn23 [111910..114758], rrn4.5 [114861..114963], rrn5 [115206..115326], rrn5 [complement(138772..138892)], rrn4.5 [complement(139135..139237)], rrn23 [complement(139340..142188)], rrn16 [complement(144628..146117)]
527.	HOVE	8	rrn16 [102112..103602], rrn23 [106017..108826], rrn4.5 [108925..109027], rrn5 [109249..109369], rrn5 [complement(132160..132280)], rrn4.5 [complement(132502..132604)], rrn23 [complement(132703..135512)], rrn16 [complement(137927..139417)]
528.	HOVU	8	rrn16 [92685..94176], rrn23 [96462..99349], rrn4.5 [99445..99539], rrn5 [99767..99887], rrn5 [complement(118247..118367)], rrn4.5 [complement(118595..118689)], rrn23 [complement(118785..121672)], rrn16 [complement(123958..125449)]
529.	HULU	8	rrn16 [100443..101933], rrn23 [104350..107158], rrn4.5 [107258..107360], rrn5 [107625..107745], rrn5 [complement(130116..130236)], rrn4.5 [complement(130501..130603)], rrn23 [complement(130703..133511)], rrn16 [complement(135928..137418)]
530.	HYBI	8	rrn5 [complement(103557..103677)], rrn4.5 [complement(103948..104050)], rrn23 [complement(104164..106957)], rrn16 [complement(109417..110910)], rrn16 [154102..155595], rrn23 [158055..160848], rrn4.5 [160962..161064], rrn5 [161335..161455]
531.	HYDI	8	rrn16 [94003..95494], rrn23 [97911..100798], rrn4.5 [100898..100992], rrn5 [101225..101345], rrn5 [complement(119126..119246)], rrn4.5 [complement(119479..119573)], rrn23 [complement(119673..122560)], rrn16 [complement(124977..126468)]
532.	HYHA	8	rrn16 [108695..110179], rrn23 [112587..115396], rrn4.5 [115495..115597], rrn5 [115827..115947], rrn5 [complement(138894..139014)], rrn4.5 [complement(139244..139346)], rrn23 [complement(139445..142254)], rrn16 [complement(144662..146146)]
533.	HYHY	2	rrn4.5 [109999..110101], rrn5 [110326..110446]
534.	HYNI	9	rrn16 [102280..103769], rrn23 [105838..108647], rrn4.5 [108749..108851], rrn5 [109108..109228], sprA [115150..115368], rrn5 [complement(132598..132718)], rrn4.5 [complement(132975..133077)], rrn23 [complement(133179..135988)], rrn16 [complement(138047..139536)]
535.	HYRU	8	rrn16 [94054..95545], rrn23 [97967..100854], rrn4.5 [100954..101048], rrn5 [101281..101401], rrn5 [complement(119190..119310)], rrn4.5 [complement(119543..119637)], rrn23 [complement(119737..122624)], rrn16 [complement(125046..126537)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
536.	HYSE	8	rrn16 [103272..104761], rrn23 [107167..109978], rrn4.5 [110077..110179], rrn5 [110404..110524], rrn5 [complement(133996..134116)], rrn4.5 [complement(134341..134443)], rrn23 [complement(134542..137353)], rrn16 [complement(139758..141247)]
537.	HYSU	8	rrn16 [93964..95455], rrn23 [97877..100764], rrn4.5 [100860..100954], rrn5 [101187..101307], rrn5 [complement(119097..119217)], rrn4.5 [complement(119450..119544)], rrn23 [complement(119640..122527)], rrn16 [complement(124949..126440)]
538.	HYVA	8	rrn16 [94266..95757], rrn23 [98175..101062], rrn4.5 [101162..101256], rrn5 [101489..101609], rrn5 [complement(119412..119532)], rrn4.5 [complement(119765..119859)], rrn23 [complement(119959..122846)], rrn16 [complement(125264..126755)]
539.	HYVE	8	rrn16 [100086..101575], rrn23 [103978..106786], rrn4.5 [106885..106987], rrn5 [107220..107340], rrn5 [complement(130220..130340)], rrn4.5 [complement(130573..130675)], rrn23 [complement(130774..133582)], rrn16 [complement(135985..137474)]
540.	IDAU	9	rrn16 [101449..102939], rrn23 [105338..108141], rrn4.5 [108240..108342], rrn5 [108563..108683], rrn5 [complement(131567..131687)], rrn4.5 [complement(131908..132010)], rrn23 [complement(132109..134912)], rrn16 [complement(137311..138801)], ycf15 [complement(145427..145660)]
541.	IDPO	8	rrn16 [102161..103651], rrn23 [106059..108867], rrn4.5 [108966..109068], rrn5 [109299..109419], rrn5 [complement(132386..132506)], rrn4.5 [complement(132737..132839)], rrn23 [complement(132938..135746)], rrn16 [complement(138154..139644)]
542.	ILAN	8	rrn16 [98499..99989], rrn23 [102382..105198], rrn4.5 [105297..105399], rrn5 [105626..105746], rrn5 [complement(129485..129605)], rrn4.5 [complement(129832..129934)], rrn23 [complement(130033..132849)], rrn16 [complement(135242..136732)]
543.	ILFL	8	rrn16 [103324..104814], rrn23 [107207..110023], rrn4.5 [110122..110224], rrn5 [110451..110571], rrn5 [complement(134352..134472)], rrn4.5 [complement(134699..134801)], rrn23 [complement(134900..137716)], rrn16 [complement(140109..141599)]
544.	ILHE	8	rrn16 [99216..100706], rrn23 [103105..105921], rrn4.5 [106020..106122], rrn5 [106349..106469], rrn5 [complement(129885..130005)], rrn4.5 [complement(130232..130334)], rrn23 [complement(130433..133249)], rrn16 [complement(135648..137138)]
545.	ILOL	8	rrn16 [104114..105604], rrn23 [108009..110825], rrn4.5 [110924..111026], rrn5 [111253..111373], rrn5 [complement(135237..135357)], rrn4.5 [complement(135584..135686)], rrn23 [complement(135785..138602)], rrn16 [complement(141007..142497)]
546.	ILVE	8	rrn16 [98722..100212], rrn23 [102607..105423], rrn4.5 [105522..105624], rrn5 [105851..105971], rrn5 [complement(129823..129943)], rrn4.5 [complement(130170..130272)], rrn23 [complement(130371..133187)], rrn16 [complement(135582..137072)]
547.	IMCY	8	rrn16 [95542..97033], rrn23 [99454..102341], rrn4.5 [102437..102531], rrn5 [102764..102884], rrn5 [complement(120684..120804)], rrn4.5 [complement(121037..121131)], rrn23 [complement(121227..124114)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(126535..128026)]
548.	IMGL	9	rrn16 [99428..100918], rrn23 [103254..106063], rrn4.5 [106162..106264], rrn5 [106516..106636], rrn5 [complement(128800..128920)], rrn4.5 [complement(129172..129274)], rrn23 [complement(129373..132182)], trnA [complement(132335..133208)], rrn16 [complement(134518..136008)]
549.	INTI	8	rrn16 [105090..106580], rrn23 [109000..111814], rrn4.5 [111916..112019], rrn5 [112248..112368], rrn5 [complement(134852..134972)], rrn4.5 [complement(135201..135304)], rrn23 [complement(135403..138217)], rrn16 [complement(140638..142128)]
550.	IOAC	2	rrn5 [107340..107460], rrn5 [complement(129978..130098)]
551.	IOAU	8	rrn16 [103570..105059], rrn23 [107267..110076], rrn4.5 [110178..110280], rrn5 [110537..110657], rrn5 [complement(133829..133949)], rrn4.5 [complement(134206..134308)], rrn23 [complement(134410..137219)], rrn16 [complement(139417..140906)]
552.	IOCY	8	rrn16 [103357..104846], rrn23 [107054..109863], rrn4.5 [109965..110067], rrn5 [110324..110444], rrn5 [complement(133610..133730)], rrn4.5 [complement(133987..134089)], rrn23 [complement(134191..137000)], rrn16 [complement(139198..140687)]
553.	IOEL	8	rrn16 [103587..105076], rrn23 [107284..110093], rrn4.5 [110195..110297], rrn5 [110554..110674], rrn5 [complement(133868..133988)], rrn4.5 [complement(134245..134347)], rrn23 [complement(134449..137258)], rrn16 [complement(139456..140945)]
554.	IOLE	8	rrn16 [103582..105071], rrn23 [107279..107659], rrn4.5 [110004..110106], rrn5 [110363..110483], rrn5 [complement(133635..133755)], rrn4.5 [complement(134012..134114)], rrn23 [complement(134216..137025)], rrn16 [complement(139223..140712)]
555.	IONI	8	rrn16 [103149..104638], rrn23 [106846..109655], rrn4.5 [109757..109859], rrn5 [110116..110236], rrn5 [complement(133386..133506)], rrn4.5 [complement(133763..133865)], rrn23 [complement(133967..136776)], rrn16 [complement(138974..140463)]
556.	IOSA	8	rrn16 [103480..104969], rrn23 [107167..109976], rrn4.5 [110078..110180], rrn5 [110437..110557], rrn5 [complement(133753..133873)], rrn4.5 [complement(134130..134232)], rrn23 [complement(134334..137143)], rrn16 [complement(139341..140830)]
557.	IOST	8	rrn16 [103283..104772], rrn23 [106980..109789], rrn4.5 [109891..109993], rrn5 [110250..110370], rrn5 [complement(133725..133845)], rrn4.5 [complement(134102..134204)], rrn23 [complement(134306..137115)], rrn16 [complement(139313..140802)]
558.	IOTI	8	rrn16 [103395..104884], rrn23 [107092..109901], rrn4.5 [110003..110105], rrn5 [110362..110482], rrn5 [complement(133635..133755)], rrn4.5 [complement(134012..134114)], rrn23 [complement(134216..137025)], rrn16 [complement(139223..140712)]
559.	IOUM	6	rrn23 [107131..109940], rrn4.5 [110042..110144], rrn5 [110401..110521], rrn5 [complement(133551..133671)], rrn4.5 [complement(133928..134030)], rrn23 [complement(134132..136941)]
560.	IPBA	8	rrn16 [101508..102996], rrn23 [105398..108201], rrn4.5 [108307..108409], rrn5 [108630..108748], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(140356..140474)], rrn4.5 [complement(140711..140813)], rrn23 [complement(140915..143718)], rrn16 [complement(146123..147611)]
561.	IRMI	8	rrn16 [99437..100927], rrn23 [103347..106157], rrn4.5 [106256..106358], rrn5 [106581..106701], rrn5 [complement(128781..128901)], rrn4.5 [complement(129124..129226)], rrn23 [complement(129325..132135)], rrn16 [complement(134555..136045)]
562.	IRSA	8	rrn16 [99176..100666], rrn23 [103085..105894], rrn4.5 [105994..106096], rrn5 [106319..106439], rrn5 [complement(128310..128430)], rrn4.5 [complement(128653..128755)], rrn23 [complement(128854..131663)], rrn16 [complement(134083..135573)]
563.	ISAF	8	rrn16 [95795..97286], rrn23 [99707..102594], rrn4.5 [102690..102784], rrn5 [103018..103138], rrn5 [complement(120944..121064)], rrn4.5 [complement(121298..121392)], rrn23 [complement(121488..124375)], rrn16 [complement(126796..128287)]
564.	ISAL	8	rrn16 [92424..93915], rrn23 [96341..99223], rrn4.5 [99319..99413], rrn5 [99641..99761], rrn5 [complement(117167..117287)], rrn4.5 [complement(117515..117609)], rrn23 [complement(117705..120587)], rrn16 [complement(123013..124504)]
565.	ISDI	8	rrn16 [92358..93849], rrn23 [96273..99160], rrn4.5 [99256..99350], rrn5 [99578..99698], rrn5 [complement(117091..117211)], rrn4.5 [complement(117439..117533)], rrn23 [complement(117629..120516)], rrn16 [complement(122940..124431)]
566.	ISMA	8	rrn16 [94424..95915], rrn23 [98335..101222], rrn4.5 [101318..101412], rrn5 [101645..101765], rrn5 [complement(119603..119723)], rrn4.5 [complement(119956..120050)], rrn23 [complement(120146..123033)], rrn16 [complement(125453..126944)]
567.	ITOR	8	rrn16 [101829..103319], rrn23 [105729..108537], rrn4.5 [108636..108738], rrn5 [108970..109090], rrn5 [complement(132072..132192)], rrn4.5 [complement(132424..132526)], rrn23 [complement(132625..135433)], rrn16 [complement(137843..139333)]
568.	JAVU	8	rrn16 [98757..100246], rrn23 [102499..105304], rrn4.5 [105404..105506], rrn5 [105758..105878], rrn5 [complement(127667..127787)], rrn4.5 [complement(128039..128141)], rrn23 [complement(128240..131045)], rrn16 [complement(133298..134787)]
569.	JOAS	8	rrn16 [97962..99452], rrn23 [101886..104701], rrn4.5 [104800..104902], rrn5 [105131..105251], rrn5 [complement(129603..129723)], rrn4.5 [complement(129952..130054)], rrn23 [complement(130153..132968)], rrn16 [complement(135402..136892)]
570.	JUCA	8	rrn16 [105560..107050], rrn23 [109467..112280], rrn4.5 [112379..112649], rrn5 [112743..112863], rrn5 [complement(136192..136321)], rrn4.5 [complement(136415..136685)], rrn23 [complement(136784..139597)], rrn16 [complement(142014..143504)]
571.	JUCO	4	rrn5 [complement(56491..56611)], rrn4.5 [complement(56956..57051)], rrn23 [complement(57054..60029)], rrn16 [complement(63379..64890)]
572.	JUHO	8	rrn16 [105543..107033], rrn23 [109450..112263], rrn4.5 [112362..112632], rrn5 [112726..112846], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(136176..136305)], rrn4.5 [complement(136399..136669)], rrn23 [complement(136768..139581)], rrn16 [complement(141998..143488)]
573.	JUMA	8	rrn16 [105558..107048], rrn23 [109465..112278], rrn4.5 [112377..112647], rrn5 [112741..112861], rrn5 [complement(136191..136320)], rrn4.5 [complement(136414..136684)], rrn23 [complement(136783..139596)], rrn16 [complement(142013..143503)]
574.	JUSI	8	rrn16 [106110..107600], rrn23 [110017..112830], rrn4.5 [112929..113199], rrn5 [113293..113413], rrn5 [complement(136801..136930)], rrn4.5 [complement(137024..137294)], rrn23 [complement(137393..140206)], rrn16 [complement(142623..144113)]
575.	KACO	1	trnH [join(145405..145413,1..71)]
576.	KAOB	8	rrn16 [107820..109310], rrn23 [111740..114549], rrn4.5 [114648..114751], rrn5 [114981..115099], rrn5 [complement(136383..136501)], rrn4.5 [136726..136829], rrn23 [complement(136933..139742)], rrn16 [complement(142172..143662)]
577.	KEDA	2	orf102 [complement(12989..13297)], orf127 [complement(28309..28695)]
578.	KEME	8	rrn16 [91312..92803], rrn23 [95089..97976], rrn4.5 [98072..98166], rrn5 [98394..98514], rrn5 [complement(116901..117021)], rrn4.5 [complement(117249..117343)], rrn23 [complement(117439..120326)], rrn16 [complement(122612..124103)]
579.	KESI	8	rrn16 [94434..95925], rrn23 [98351..101238], rrn4.5 [101334..101428], rrn5 [101661..101781], rrn5 [complement(119525..119645)], rrn4.5 [complement(119878..119972)], rrn23 [complement(120068..122955)], rrn16 [complement(125381..126872)]
580.	KHSE	45	trnH [complement(4..78)], trnK [complement(1852..4448)], trnQ [complement(8051..8122)], trnS [complement(9299..9386)], trnG [10156..10945], trnR [11091..11162], trnC [29531..29601], trnD [complement(32169..32242)], trnY [complement(32719..32802)], trnE [complement(32862..32934)], trnT [33743..33814], trnS [complement(37764..37856)], trnG [38974..39044], trnM [complement(39221..39294)], trnS [47968..48054], trnT [complement(49325..49397)], trnL [50378..50990], trnF [51361..51433], trnV [complement(54475..55140)], trnM [55331..55403], trnW [complement(70065..70138)], trnP [complement(70309..70382)], trnI [complement(89993..90066)], trnL [complement(98040..98120)], trnV [104354..104425], rrn16 [104666..106156], trnI [106451..107481], trnA [107552..108464], rrn23 [108628..111437], rrn4.5 [111536..111638], rrn5 [111884..112004], trnR [112255..112328], trnN [complement(112948..113019)], trnL [118916..118995], trnN [134174..134245], trnR [complement(134865..134938)], rrn5 [complement(135189..135309)], rrn4.5 [complement(135555..135657)], rrn23 [complement(135756..138565)], trnA [complement(138729..139641)], trnI [complement(139712..140742)], rrn16 [complement(141037..142527)], trnV [complement(142768..142839)], trnL [149073..149153], trnI [157127..157200]
581.	KONI	1	trnL [46433..46853]
582.	KOPA	1	ycf2 [153795..160700]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
583.	KOSO	1	trnG [10035..10832]
584.	KRBI	16	trnK [complement(3889..6470)], trnG [15537..16345], trnL [59288..60005], trnV [complement(63676..64400)], rrn16 [116275..117765], trnI [118025..119052], trnA [119117..120007], rrn23 [120164..122968], rrn4.5 [123067..123169], rrn5 [123428..123548], rrn5 [complement(148796..148916)], rrn4.5 [complement(149175..149277)], rrn23 [complement(149376..152180)], trnA [complement(152337..153227)], trnI [complement(153292..154319)], rrn16 [complement(154579..156069)]
585.	KRLA	8	trnK [complement(3801..6220)], trnG [14546..15360], rrn23 [119341..122145], rrn5 [122605..122725], rrn5 [complement(148051..148171)], rrn4.5 [complement(148430..148532)], rrn23 [complement(148631..151435)], rrn16 [complement(153823..155313)]
586.	LACJ	4	rrn16 [53760..55250], rrn23 [57767..60568], rrn4.5 [60676..60778], rrn5 [61025..61145]
587.	LACL	4	rrn5 [complement(89504..89624)], rrn4.5 [complement(89860..89962)], rrn23 [complement(90043..92840)], rrn16 [complement(95206..96693)]
588.	LADA	4	rrn5 [complement(31052..31172)], rrn4.5 [complement(31466..31568)], rrn23 [complement(31657..34501)], rrn16 [complement(36869..38348)]
589.	LAGM	4	rrn16 [53760..55250], rrn23 [57767..60568], rrn4.5 [60676..60778], rrn5 [61025..61145]
590.	LAGR	4	rrn5 [complement(67377..67497)], rrn4.5 [complement(67729..67831)], rrn23 [complement(67914..70753)], rrn16 [complement(73120..74606)]
591.	LAIN	4	rrn5 [complement(62974..63094)], rrn4.5 [complement(63326..63428)], rrn23 [complement(63515..66351)], rrn16 [complement(68722..70208)]
592.	LAJA	4	rrn16 [50223..51709], rrn23 [54080..56918], rrn4.5 [57003..57105], rrn5 [57341..57461]
593.	LALI	4	rrn16 [49494..50980], rrn23 [53343..56138], rrn4.5 [56221..56323], rrn5 [56556..56676]
594.	LANI	8	rrn16 [95141..96632], rrn23 [99054..101941], rrn4.5 [102037..102131], rrn5 [102359..102479], rrn5 [complement(120368..120488)], rrn4.5 [complement(120716..120810)], rrn23 [complement(120906..123793)], rrn16 [complement(126215..127706)]
595.	LAOC	4	rrn16 [49186..50672], rrn23 [53043..55838], rrn4.5 [55929..56031], rrn5 [56263..56383]
596.	LAOD	4	rrn16 [48796..50282], rrn23 [52654..55437], rrn4.5 [55503..55605], rrn5 [55845..55965]
597.	LAPA	4	rrn5 [complement(67729..67849)], rrn4.5 [complement(68081..68183)], rrn23 [complement(68266..71104)], rrn16 [complement(73478..74964)]
598.	LAPU	4	rrn16 [66477..67963], rrn23 [70331..73128], rrn4.5 [73250..73352], rrn5 [73562..73682]
599.	LARA	8	rrn16 [103559..105049], rrn23 [107464..110268], rrn4.5 [110367..110469], rrn5 [110693..110813], rrn5 [complement(134430..134550)], rrn4.5 [134774..134876], rrn23 [complement(134975..137779)], rrn16 [complement(140194..141684)]
600.	LASA	7	rrn16 [100195..101685], rrn23 [104102..106911], rrn4.5 [107010..107112], rrn5 [107355..107475], rrn5 [complement(129394..129514)], rrn4.5 [complement(129597..129859)], rrn16 [complement(135184..136674)]
601.	LASI	1	ycfI [111810..113006]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
602.	LATI	4	rrn16 [50334..51812], rrn23 [54184..56981], rrn4.5 [57069..57171], rrn5 [57406..57526]
603.	LATR	8	rrn16 [91522..93012], rrn23 [95198..98002], rrn4.5 [98103..98204], rrn5 [98409..98529], rrn5 [complement(119202..119322)], rrn4.5 [complement(119527..119628)], rrn23 [complement(119728..122532)], rrn16 [complement(124717..126207)]
604.	LAVE	5	rrn16 [50557..52043], rrn23 [54405..57200], rrn4.5 [57288..57390], rrn4.5 [57439..57472], rrn5 [57742..57862]
605.	LECU	4	rrn16 [95662..97152], rrn23 [99493..102290], rrn4.5 [102409..102511], rrn5 [102743..102863]
606.	LEDA	8	rrn16 [96727..98217], rrn23 [100634..103449], rrn4.5 [103550..103653], rrn5 [103870..103990], rrn5 [complement(125975..126095)], rrn4.5 [complement(126312..126415)], rrn23 [complement(126514..129329)], rrn16 [complement(131748..133238)]
607.	LEFL	8	rrn16 [102970..104459], rrn23 [106928..109738], rrn4.5 [109837..109939], rrn5 [110202..110322], rrn5 [complement(134131..134251)], rrn4.5 [complement(134514..134616)], rrn23 [complement(134715..137525)], rrn16 [complement(139994..141483)]
608.	LEFO	8	rrn16 [97312..98802], rrn23 [101219..104034], rrn4.5 [104135..104238], rrn5 [104455..104575], rrn5 [complement(126558..126678)], rrn4.5 [complement(126895..126998)], rrn23 [complement(127097..129912)], rrn16 [complement(132331..133821)]
609.	LEJA	8	rrn16 [91389..92879], rrn23 [95305..98127], rrn4.5 [98223..98317], rrn5 [98545..98665], rrn5 [complement(116635..116755)], rrn4.5 [complement(116983..117077)], rrn23 [complement(117173..119995)], rrn16 [complement(122421..123911)]
610.	LELI	8	rrn16 [99206..100695], rrn23 [102944..105753], rrn4.5 [105852..105954], rrn5 [106200..106320], rrn5 [complement(128209..128329)], rrn4.5 [128575..128677], rrn23 [complement(128776..131585)], rrn16 [complement(133833..135322)]
611.	LEMO	8	rrn16 [103912..105402], rrn23 [107816..110625], rrn4.5 [110725..110827], rrn5 [111052..111172], rrn5 [complement(133853..133973)], rrn4.5 [complement(134198..134300)], rrn23 [complement(134399..137208)], rrn16 [complement(139623..141113)]
612.	LEPE	8	rrn16 [107196..108670], rrn23 [111095..113953], rrn4.5 [114047..114149], rrn5 [114390..114510], rrn5 [complement(141896..142016)], rrn4.5 [complement(142257..142359)], rrn23 [complement(142453..145311)], rrn16 [complement(147736..149210)]
613.	LEPR	8	rrn16 [90937..92428], rrn23 [94853..97675], rrn4.5 [97771..97865], rrn5 [98093..98213], rrn5 [complement(116100..116220)], rrn4.5 [complement(116448..116542)], rrn23 [complement(116638..119460)], rrn16 [complement(121885..123376)]
614.	LESE	8	rrn16 [100938..102428], rrn23 [104875..107688], rrn4.5 [107787..107889], rrn5 [108148..108268], rrn5 [complement(132765..132885)], rrn4.5 [complement(133144..133246)], rrn23 [complement(133345..136158)], rrn16 [complement(138605..140094)]
615.	LIBA	8	rrn16 [106776..108266], rrn23 [110680..113489], rrn4.5 [113588..113690], rrn5 [113947..114067], rrn5 [complement(137550..137670)], rrn4.5 [complement(137927..138029)], rrn23 [complement(138128..140937)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(143351..144841)]
616.	LIBU	6	rrn16 [98890..100380], rrn4.5 [105682..105784], rrn5 [106012..106132], rrn5 [complement(128638..128758)], rrn4.5 [complement(128986..129088)], rrn16 [complement(134390..135880)]
617.	LICI	8	rrn16 [104004..105494], rrn23 [107963..110772], rrn4.5 [110871..110973], rrn5 [111198..111318], rrn5 [complement(136957..137077)], rrn4.5 [complement(137302..137404)], rrn23 [complement(137503..140312)], rrn16 [complement(142781..144271)]
618.	LICO	8	rrn16 [104352..105842], rrn23 [108260..111069], rrn4.5 [111168..111271], rrn5 [111496..111616], rrn5 [complement(134011..134131)], rrn4.5 [complement(134356..134459)], rrn23 [complement(134558..137367)], rrn16 [complement(139785..141275)]
619.	LIDI	8	rrn16 [98886..100376], rrn23 [102770..105579], rrn4.5 [105678..105780], rrn5 [106008..106128], rrn5 [complement(128502..128622)], rrn4.5 [complement(128850..128952)], rrn23 [complement(129051..131860)], rrn16 [complement(134254..135744)]
620.	LIFO	8	rrn16 [105570..107059], rrn23 [109449..112258], rrn4.5 [112358..112460], rrn5 [112709..112829], rrn5 [complement(136527..136647)], rrn4.5 [complement(136896..136998)], rrn23 [complement(137097..139906)], rrn16 [complement(142296..143785)]
621.	LIHA	8	rrn16 [98858..100348], rrn23 [102742..105550], rrn4.5 [105650..105752], rrn5 [105980..106100], rrn5 [complement(128607..128727)], rrn4.5 [complement(128955..129057)], rrn23 [complement(129156..131964)], rrn16 [complement(134359..135849)]
622.	LIMB	8	rrn16 [91257..92748], rrn23 [95173..98060], rrn4.5 [98156..98250], rrn5 [98477..98597], rrn5 [complement(116025..116145)], rrn4.5 [complement(116372..116466)], rrn23 [complement(116562..119449)], rrn16 [complement(121874..123365)]
623.	LIPH	12	matK [complement(2276..3805)], rrn16 [101670..103160], rrn23 [105607..108417], rrn4.5 [108516..108618], rrn5 [108874..108994], ndhF [complement(111439..113679)], rps15 [complement(124157..124429)], ycf1 [complement(124802..130417)], rrn5 [complement(131704..131824)], rrn4.5 [complement(132080..132182)], rrn23 [complement(132281..135091)], rrn16 [complement(137538..139028)]
624.	LISU	8	rrn16 [98266..99756], rrn23 [102160..104969], rrn4.5 [105068..105170], rrn5 [105398..105518], rrn5 [complement(127890..128010)], rrn4.5 [complement(128238..128340)], rrn23 [complement(128439..131248)], rrn16 [complement(133652..135142)]
625.	LITS	8	rrn16 [98890..100380], rrn23 [102774..105582], rrn4.5 [105682..105784], rrn5 [106012..106132], rrn5 [complement(128638..128758)], rrn4.5 [complement(128986..129088)], rrn23 [complement(129187..131995)], rrn16 [complement(134390..135880)]
626.	LITU	8	rrn16 [104829..106319], rrn23 [108719..111522], rrn4.5 [111628..111730], rrn5 [111936..112056], rrn5 [complement(135981..136101)], rrn4.5 [complement(136307..136409)], rrn23 [complement(136508..139311)], rrn16 [complement(141718..143208)]
627.	LIWA	6	rrn16 [98259..99749], rrn4.5 [105051..105153], rrn5 [105381..105501], rrn5 [complement(127860..127980)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn4.5 [complement(128208..128310)], rrn16 [complement(133612..135102)]
628.	LOJA	2	trnL [complement(13267..13921)], trnG [complement(51449..52229)]
629.	LOKE	8	rrn16 [93117..94608], rrn23 [97032..99919], rrn4.5 [100015..100109], rrn5 [100337..100457], rrn5 [complement(118253..118373)], rrn4.5 [complement(118601..118695)], rrn23 [complement(118791..121678)], rrn16 [complement(124102..125593)]
630.	LOML	8	rrn16 [103945..105435], rrn23 [107854..110663], rrn4.5 [110763..110865], rrn5 [111090..111210], rrn5 [complement(134362..134482)], rrn4.5 [complement(134707..134809)], rrn23 [complement(134908..137717)], rrn16 [complement(140137..141627)]
631.	LOSB	8	rrn16 [104736..106225], rrn23 [108573..111382], rrn4.5 [111482..111584], rrn5 [111799..111919], rrn5 [complement(135004..135124)], rrn4.5 [complement(135339..135441)], rrn23 [complement(135540..138349)], rrn16 [complement(140697..142186)]
632.	LOSI	8	rrn16 [93373..94864], rrn23 [97290..100177], rrn4.5 [100273..100367], rrn5 [100595..100715], rrn5 [complement(118469..118589)], rrn4.5 [complement(118817..118911)], rrn23 [complement(119007..121894)], rrn16 [complement(124320..125811)]
633.	LUAL	8	rrn16 [98965..100455], rrn23 [102888..105702], rrn4.5 [105801..105904], rrn5 [106144..106264], rrn5 [complement(130143..130263)], rrn4.5 [complement(130503..130606)], rrn23 [complement(130705..133519)], rrn16 [complement(135952..137442)]
634.	LURC	8	rrn16 [104877..106367], rrn23 [108783..111592], rrn4.5 [111691..111793], rrn5 [112017..112137], rrn5 [complement(135393..135513)], rrn4.5 [complement(135737..135839)], rrn23 [complement(135938..138747)], rrn16 [complement(141163..142653)]
635.	LUWE	8	rrn16 [99115..100605], rrn23 [103043..105857], rrn4.5 [105956..106059], rrn5 [106299..106419], rrn5 [complement(130290..130410)], rrn4.5 [complement(130650..130753)], rrn23 [complement(130852..133666)], rrn16 [complement(136104..137594)]
636.	MADI	1	ycf2 [88250..94999]
637.	MAES	1	trnI [159140..159213]
638.	MAFL	8	rrn16 [102092..103582], rrn23 [105995..108804], rrn4.5 [108904..109006], rrn5 [109231..109351], rrn5 [complement(132381..132501)], rrn4.5 [complement(132726..132828)], rrn23 [complement(132927..135736)], rrn16 [complement(138150..139640)]
639.	MAFR	8	rrn16 [104340..105830], rrn23 [108254..111062], rrn4.5 [111161..111263], rrn5 [111517..111637], rrn5 [complement(135752..135872)], rrn4.5 [complement(136126..136228)], rrn23 [complement(136327..139135)], rrn16 [complement(141559..143049)]
640.	MAID	8	rrn16 [103264..104754], rrn23 [107232..110040], rrn4.5 [110139..110241], rrn5 [110466..110586], rrn5 [complement(133868..133988)], rrn4.5 [complement(134213..134315)], rrn23 [complement(134414..137222)], rrn16 [complement(139700..141190)]
641.	MAIN	8	rrn16 [104804..106294], rrn23 [108587..111395], rrn4.5 [111497..111587], rrn5 [111831..111951], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(135857..135977)], rrn4.5 [complement(136221..136311)], rrn23 [complement(136411..139219)], rrn16 [complement(141514..143004)]
642.	MAMO	8	rrn16 [107571..109045], rrn23 [111442..114301], rrn4.5 [114395..114497], rrn5 [114745..114863], rrn5 [complement(142282..142400)], rrn4.5 [complement(142648..142750)], rrn23 [complement(142844..145703)], rrn16 [complement(148094..149584)]
643.	MASA	1	rps12 [join(complement(73679..73792),145515..146308)]
644.	MASN	1	rps12 [join(complement(73673..73786),145498..146291)]
645.	MATE	8	rrn16 [104763..106253], rrn23 [108546..111352], rrn4.5 [111454..111544], rrn5 [111788..111908], rrn5 [complement(135815..135935)], rrn4.5 [complement(136179..136269)], rrn23 [complement(136369..139175)], rrn16 [complement(141470..142960)]
646.	MATI	8	rrn16 [104791..106281], rrn23 [108706..111514], rrn4.5 [111613..111715], rrn5 [111969..112089], rrn5 [complement(136283..136403)], rrn4.5 [complement(136657..136759)], rrn23 [136858..139667], rrn16 [complement(142091..143581)]
647.	MATS	10	rps2 [complement(16630..17340)], rps4 [complement(48474..49079)], rrn16 [104773..106263], rrn23 [108687..111495], rrn4.5 [111594..111696], rrn5 [111950..112070], rrn5 [complement(136081..136201)], rrn4.5 [complement(136455..136557)], rrn23 [complement(136656..139464)], rrn16 [complement(141888..143378)]
648.	MAVI	8	rrn16 [102904..104394], rrn23 [106806..109615], rrn4.5 [109714..109816], rrn5 [110038..110158], rrn5 [complement(132996..133116)], rrn4.5 [complement(133338..133440)], rrn23 [complement(133539..136348)], rrn16 [complement(138760..140250)]
649.	MAYU	7	trnH [complement(12..86)], petN [30435..30530], ycf15 [97329..97562], orf42 [complement(107917..108045)], orf56 [complement(108240..108410)], orf56 [139846..140016], orf42 [140211..140339]
650.	MEAB	8	rrn16 [91592..93083], rrn23 [95272..98159], rrn4.5 [98255..98349], rrn5 [98578..98698], rrn5 [complement(116454..116574)], rrn4.5 [complement(116803..116897)], rrn23 [complement(116993..119880)], rrn16 [complement(122069..123560)]
651.	MECN	8	rrn16 [102551..104041], rrn23 [106362..109171], rrn4.5 [109273..109375], rrn5 [109606..109726], rrn5 [complement(133041..133161)], rrn4.5 [complement(133392..133494)], rrn23 [complement(133596..136405)], rrn16 [complement(138726..140216)]
652.	MECR	8	rrn16 [100771..102261], rrn23 [104067..107508], rrn4.5 [107608..107710], rrn5 [107978..108099], rrn5 [complement(131620..131750)], rrn4.5 [complement(131897..132121)], rrn23 [complement(132219..135028)], rrn16 [complement(137463..138953)]
653.	MEDO	8	rrn16 [102479..103969], rrn23 [106290..109099], rrn4.5 [109201..109303], rrn5 [109534..109654], rrn5 [complement(132972..133092)], rrn4.5 [complement(133323..133425)], rrn23 [complement(133527..136336)], rrn16 [complement(138657..140147)]
654.	MEHY	4	rrn16 [97869..99359], rrn23 [101559..104356], rrn4.5 [104456..104559], rrn5 [104785..104905]
655.	MELU	8	rrn16 [99761..101251], rrn23 [103657..106465], rrn4.5 [106565..106667], rrn5 [106896..107016], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(129644..129764)], rrn4.5 [complement(129993..130095)], rrn23 [complement(130194..133002)], rrn16 [complement(135409..136899)]
656.	MEMA	8	rrn16 [93813..95304], rrn23 [97724..100611], rrn4.5 [100707..100801], rrn5 [101029..101149], rrn5 [complement(118890..119010)], rrn4.5 [complement(119238..119332)], rrn23 [complement(119428..122315)], rrn16 [complement(124735..126226)]
657.	MEMU	8	rrn16 [91304..92795], rrn23 [95075..97962], rrn4.5 [98057..98151], rrn5 [98379..98499], rrn5 [complement(116690..116810)], rrn4.5 [complement(117038..117132)], rrn23 [complement(117227..120114)], rrn16 [complement(122394..123884)]
658.	MEPA	4	rrn16 [97845..99335], rrn23 [101535..104332], rrn4.5 [104432..104535], rrn5 [104761..104881]
659.	MEPC	2	trnG [8778..9606], trnL [48810..49431]
660.	MEPU	1	trnT [complement(47343..47415)]
661.	METR	4	rrn5 [complement(20355..20475)], rrn4.5 [complement(20696..20799)], rrn23 [complement(20898..23715)], rrn16 [complement(25888..27378)]
662.	METS	8	rrn16 [92923..94414], rrn23 [96604..99491], rrn4.5 [99587..99681], rrn5 [99909..100029], rrn5 [complement(118030..118150)], rrn4.5 [complement(118378..118472)], rrn23 [complement(118568..121455)], rrn16 [complement(123645..125136)]
663.	MEVI	8	rrn16 [102345..103835], rrn23 [106281..109090], rrn4.5 [109189..109291], rrn5 [109521..109641], rrn5 [complement(132509..132629)], rrn4.5 [complement(132859..132961)], rrn23 [complement(133060..135869)], rrn16 [complement(138315..139805)]
664.	MEWA	8	rrn16 [102782..104272], rrn23 [106685..109494], rrn4.5 [109594..109696], rrn5 [109921..110041], rrn5 [complement(132875..132995)], rrn4.5 [complement(133220..133322)], rrn23 [complement(133421..136230)], rrn16 [complement(138644..140134)]
665.	MICO	8	rrn16 [101917..103407], rrn23 [105727..108536], rrn4.5 [108638..108740], rrn5 [108971..109091], rrn5 [complement(132181..132301)], rrn4.5 [complement(132532..132634)], rrn23 [complement(132736..135545)], rrn16 [complement(137865..139355)]
666.	MIDO	1	trnT [complement(48009..48081)]
667.	MISP	8	rrn16 [102136..103626], rrn23 [106038..108847], rrn4.5 [108947..109049], rrn5 [109270..109390], rrn5 [complement(132341..132461)], rrn4.5 [complement(132682..132784)], rrn23 [complement(132883..135692)], rrn16 [complement(138105..139595)]
668.	MNHE	8	rrn16 [95615..97106], rrn23 [99522..102409], rrn4.5 [102509..102603], rrn5 [102837..102957], rrn5 [complement(120776..120896)], rrn4.5 [complement(121130..121224)], rrn23 [complement(121324..124211)], rrn16 [complement(126627..128118)]
669.	MOCE	8	rrn16 [93619..95110], rrn23 [97535..100422], rrn4.5 [100518..100612], rrn5 [100840..100960], rrn5 [complement(118918..119038)], rrn4.5 [complement(119266..119360)], rrn23 [complement(119456..122343)], rrn16 [complement(124768..126259)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
670.	MOCH	1	ycf1 [113425..114621]
671.	MOEM	4	rrn16 [63156..64658], rrn23 [72214..75259], rrn4.5 [75364..75466], rrn5 [75705..75825]
672.	MOHY	46	rps12 [complement(join(28433..28675,10617..10730))], rpl32 [complement(1..195)], trnH [396..470], rpl23 [650..949], rpl2 [954..2460], rps19 [2555..2938], rpl22 [3007..3399], rps3 [3465..4136], rpl16 [5308..5718], rpl14 [5817..6185], rps8 [6383..6781], infA [6916..7155], rpl36 [7278..7391], rps11 [7519..7920], trnW [complement(8169..8242)], trnP [complement(8433..8506)], rpl33 [8642..8845], rps18 [9060..9386], rpl20 [complement(9517..9855)], trnM [11000..11073], trnF [complement(11595..11667)], rps4 [12232..12843], rps14 [13291..13593], trnS [complement(13630..13717)], rrn16 [14576..16049], trnM [complement(16530..16602)], clpP [17294..18169], accD [19448..21352], trnE [21607..21679], trnY [21745..21828], trnD [21895..21968], trnC [complement(22278..22348)], rps2 [22894..23646], trnR [complement(23665..23736)], trnS [23859..23945], trnQ [24043..24114], matK [24380..25930], trnM [complement(26188..26261)], rps7 [complement(27347..27814)], rrn23 [30333..33154], rrn4.5 [33254..33355], rrn5 [33646..33760], trnR [33943..34016], trnN [complement(34168..34239)], trnM [34500..34573], trnL [complement(34938..35017)]
673.	MOMA	4	rrn5 [complement(109183..109303)], rrn4.5 [complement(109542..109644)], rrn23 [complement(109749..112792)], rrn16 [complement(116413..117915)]
674.	MOMO	8	rrn16 [103496..104986], rrn23 [107397..110205], rrn4.5 [110305..110407], rrn5 [110632..110752], rrn5 [complement(135075..135195)], rrn4.5 [complement(135420..135522)], rrn23 [complement(135621..138430)], rrn16 [complement(140841..142331)]
675.	MONO	8	rrn16 [103590..105080], rrn23 [107491..110300], rrn4.5 [110399..110501], rrn5 [110726..110846], rrn5 [complement(135253..135373)], rrn4.5 [complement(135598..135700)], rrn23 [complement(135799..138608)], rrn16 [142509..144019]
676.	MOOD	1	rps36 [19296..19409]
677.	MOOL	7	rrn23 [109254..112063], rrn4.5 [112162..112264], rrn5 [112521..112641], rrn5 [complement(136537..136657)], rrn4.5 [complement(136914..137016)], rrn23 [complement(137115..139924)], rrn16 [complement(142316..143806)]
678.	MOPA	8	rrn16 [93805..95296], rrn23 [97709..100596], rrn4.5 [100692..100786], rrn5 [101014..101134], rrn5 [complement(119031..119151)], rrn4.5 [complement(119379..119473)], rrn23 [complement(119569..122456)], rrn16 [complement(124869..126360)]
679.	MOSP	8	rrn16 [complement(24855..24924)], rrn16 [101999..103496], rrn23 [106266..109366], rrn4.5 [109469..109571], rrn5 [109816..109936], rrn5 [complement(126712..126832)], rrn4.5 [complement(127077..127178)], rrn23 [complement(127282..128787)]
680.	MUOR	8	rrn16 [106249..107739], rrn23 [110161..112968], rrn4.5 [113074..113176], rrn5 [113405..113525], rrn5 [complement(144827..144947)], rrn4.5 [complement(145176..145278)], rrn23 [complement(145379..148186)], rrn16 [complement(150613..152103)]
681.	MUTE	8	rrn16 [105516..107006], rrn23 [109421..112228], rrn4.5 [112334..112436], rrn5 [112665..112785], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(136579..136699)], rrn4.5 [complement(136928..137030)], rrn23 [complement(137131..139938)], rrn16 [complement(142358..143848)]
682.	NAPI	8	rrn16 [100088..101578], rrn23 [103990..106798], rrn4.5 [106898..107000], rrn5 [107225..107345], rrn5 [complement(131481..131601)], rrn4.5 [complement(131826..131928)], rrn23 [complement(132027..134835)], rrn16 [complement(137248..138738)]
683.	NAPO	8	rrn16 [103731..105221], rrn23 [107636..110445], rrn4.5 [110544..110646], rrn5 [110868..110988], rrn5 [complement(135557..135677)], rrn4.5 [complement(135899..136001)], rrn23 [complement(136100..138909)], rrn16 [complement(141324..142814)]
684.	NEAQ	1	trnT [complement(47554..47626)]
685.	NEAT	2	rps12 [complement(join(91731..92531,69673..69786))], rps12 [join(complement(69673..69786),129770..130570)]
686.	NECO	2	ycf15 [92387..92572], ycf15 [complement(136879..137064)]
687.	NEDE	8	rrn16 [102178..103668], rrn23 [106024..108834], rrn4.5 [108933..109035], rrn5 [109256..109377], rrn5 [complement(132362..132483)], rrn4.5 [complement(132704..132806)], rrn23 [complement(132905..135715)], rrn16 [complement(138071..139561)]
688.	NEFA	1	trnT [33268..33339]
689.	NEHE	8	rrn16 [98950..100440], rrn23 [102844..105643], rrn4.5 [105743..105845], rrn5 [106081..106201], rrn5 [complement(128792..128912)], rrn4.5 [129148..129250], rrn23 [complement(129349..132148)], rrn16 [complement(134553..136043)]
690.	NEJA	5	rrn16 [102762..104263], rrn23 [106706..109524], rrn4.5 [109623..109725], rrn5 [109945..110065], rrn16 [complement(138796..140297)]
691.	NELO	8	rrn16 [91214..92705], rrn23 [94900..97787], rrn4.5 [97883..97977], rrn5 [98205..98325], rrn5 [complement(116019..116139)], rrn4.5 [complement(116367..116461)], rrn23 [complement(116557..119444)], rrn16 [complement(121639..123130)]
692.	NERI	2	trnT [33268..33339], ccsA [110648..111613]
693.	NESU	8	rrn16 [102658..104147], rrn23 [106543..109382], rrn4.5 [109481..109583], rrn5 [109796..109916], rrn5 [complement(132873..132993)], rrn4.5 [complement(133206..133308)], rrn23 [complement(133407..136246)], rrn16 [complement(138642..140131)]
694.	NIOT	8	rrn16 [102817..104306], rrn23 [106398..109207], rrn4.5 [109310..109412], rrn5 [109669..109789], rrn5 [complement(132933..133053)], rrn4.5 [complement(133310..133412)], rrn23 [complement(133514..136323)], rrn16 [complement(138412..139901)]
695.	NISY	17	ORF63 [8478..8669], ORF70C [complement(29321..29533)], ORF105 [complement(37251..37568)], ORF74 [complement(46251..46475)], ORF70A [48945..49157], ORF71A [complement(61590..61805)], ORF99 [66179..66478], ORF103 [complement(67280..67591)], ORF79 [96554..96793], ORF131 [complement(101950..102345)], ORF70B [102101..102313], orf75 [complement(110597..110824)], ORF350

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[111029..112081], orf75 [131802..132029], ORF131 [140281..140676], ORF70B [complement(140313..140525)], ORF79 [complement(145833..146072)]
696.	NITA	22	ORF105 [complement(37254..37571)], ORF74 [complement(46253..46477)], ORF70A [48947..49159], ORF99 [66181..66480], ORF103 [complement(67282..67593)], ORF79 [96556..96795], ORF131 [complement(101952..102347)], ORF70B [102103..102315], rrn16 [102762..104252], rrn23 [106331..109140], rrn4.5 [109242..109344], rrn5 [109601..109721], orf75 [complement(110599..110826)], ORF350 [111031..112083], orf75 [131804..132031], rrn5 [complement(132909..133029)], rrn4.5 [complement(133286..133388)], rrn23 [complement(133490..136299)], rrn16 [complement(138378..139868)], ORF131 [140283..140678], ORF70B [complement(140315..140527)], ORF79 [complement(145835..146074)]
697.	NITO	18	ORF90 [8410..8682], ORF70C [complement(29254..29466)], ORF74 [complement(37273..37497)], orf73 [47339..47560], ORF70A [48899..49111], ORF71A [complement(61479..61694)], ORF99 [66050..66349], ORF79 [96323..96562], ORF131 [complement(101721..102116)], ORF70B [101872..102084], ORF71B [104815..105030], orf75 [complement(110379..110606)], ORF338 [110811..111827], orf75 [131532..131759], ORF71B [complement(137108..137323)], ORF131 [140022..140417], ORF70B [complement(140054..140266)], ORF79 [complement(145576..145815)]
698.	NIUN	26	ORF90 [8497..8769], ORF70C [complement(29338..29550)], orf107 [complement(37261..37584)], ORF57 [complement(46310..46483)], ORF34 [48937..49041], ORF71A [complement(61566..61781)], ORF99 [66143..66442], ORF103 [complement(67244..67555)], ORF79B [complement(84298..84537)], ORF115 [complement(95984..96331)], ORF92 [96043..96321], ORF79 [96480..96719], ORF131 [complement(101882..102277)], ORF70B [102033..102245], rrn16 [102692..104182], ORF71B [104976..105191], orf75 [complement(110535..110762)], ORF339 [110970..111989], orf75 [131735..131962], ORF71B [complement(137306..137521)], rrn16 [complement(138315..139805)], ORF131 [140220..140615], ORF70B [complement(140252..140464)], ORF79 [complement(145778..146017)], ORF115 [146166..146513], ORF92 [complement(146176..146454)]
699.	NOAT	8	rrn16 [102321..103811], rrn23 [106234..109043], rrn4.5 [109145..109247], rrn5 [109469..109589], rrn5 [complement(132478..132598)], rrn4.5 [complement(132820..132922)], rrn23 [complement(133024..135833)], rrn16 [complement(138256..139746)]
700.	NYFR	8	rrn16 [103787..105277], rrn23 [107690..110499], rrn4.5 [110605..110707], rrn5 [110932..111052], rrn5 [complement(133975..134095)], rrn4.5 [complement(134320..134422)], rrn23 [complement(134521..137330)], rrn16 [complement(139750..141240)]
701.	NYJA	2	rps12 [complement(join(103021..158963,1..75024))], trnI-GAU [107685..108707]
702.	NYME	1	trnG [10609..11425]
703.	OCBA	8	rrn16 [99426..100916], rrn23 [103339..106149], rrn4.5 [106248..106350], rrn5 [106606..106726], rrn5 [complement(129091..129211)], rrn4.5 [complement(129467..129569)], rrn23 [complement(129668..132478)], rrn16 [complement(134901..136391)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
704.	OCTE	8	rrn16 [98777..100266], rrn23 [102696..105505], rrn4.5 [105605..105707], rrn5 [105963..106083], rrn5 [complement(128426..128546)], rrn4.5 [complement(128802..128904)], rrn23 [complement(129003..131812)], rrn16 [complement(134242..135731)]
705.	OLRE	2	rps12 [complement(join(90027..90827,69508..69621))], rps12 [join(complement(69508..69621),128113..128913)]
706.	ONRA	8	rrn16 [94562..96053], rrn23 [98471..101358], rrn4.5 [101454..101548], rrn5 [101776..101896], rrn5 [complement(119756..119876)], rrn4.5 [complement(120104..120198)], rrn23 [complement(120294..123181)], rrn16 [complement(125599..127090)]
707.	OPCL	1	trnT [complement(47364..47436)]
708.	OPHI	8	rrn16 [93162..94653], rrn23 [97073..99960], rrn4.5 [100056..100150], rrn5 [100379..100499], rrn5 [complement(118347..118467)], rrn4.5 [complement(118696..118790)], rrn23 [complement(118886..121773)], rrn16 [complement(124193..125684)]
709.	ORAL	8	rrn16 [91902..93392], rrn23 [95815..98702], rrn4.5 [98798..98892], rrn5 [99120..99240], rrn5 [complement(117135..117255)], rrn4.5 [complement(117483..117577)], rrn23 [complement(117673..120560)], rrn16 [complement(122983..124473)]
710.	ORCR	9	rps12 [complement(join(51960..87529,1..34974))], rps12 [complement(34861..78624)], rrn23 [56681..59489], rrn4.5 [59593..59694], rrn5 [59957..60077], rrn5 [complement(70507..70627)], rrn4.5 [complement(70890..70991)], rrn23 [complement(71091..73899)], ycf2 [complement(81383..87064)]
711.	ORDI	6	trnT [complement(45760..45832)], rrn5 [complement(129883..130003)], rrn4.5 [complement(130251..130353)], rrn23 [complement(130452..133261)], rrn16 [complement(135444..136934)], trnV [complement(137166..137237)]
712.	OREI	8	rrn16 [91556..93046], rrn23 [95469..98356], rrn4.5 [98452..98546], rrn5 [98774..98894], rrn5 [complement(116781..116901)], rrn4.5 [complement(117129..117223)], rrn23 [complement(117319..120206)], rrn16 [complement(122629..124119)]
713.	ORGA	42	trnQ [complement(6256..6328)], trnS [complement(7495..7582)], trnS [complement(11170..11257)], trnG [12054..12124], trnM [complement(12558..12631)], trnG [complement(12767..13517)], trnT [14298..14369], trnE [14888..14960], trnY [15022..15105], trnD [15469..15542], trnC [complement(17601..17671)], trnR [complement(35017..35088)], trnS [43575..43661], trnT [complement(44852..44924)], trnL [45759..46384], trnF [46750..46822], trnV [complement(49880..50555)], trnM [50737..50809], trnW [complement(62185..62258)], trnP [complement(62385..62459)], psaJ [62778..62912], trnH [79155..79229], trnI [complement(81244..81317)], trnL [complement(82910..82990)], trnV [89078..89149], rrn16 [89380..90870], trnI [91180..92067], trnA [92132..93015], rrn23 [93161..96048], rrn4.5 [96144..96238], rrn5 [96466..96586], trnR [96814..96887], trnN [complement(97146..97217)], trnL [103320..103399], trnN [114124..114195], rrn5 [complement(114737..114857)], rrn4.5 [complement(115085..115179)], rrn23 [complement(115275..118161)], rrn16 [complement(120441..121931)], trnV [complement(122163..122234)], trnL [129969..130042], trnH

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(132044..132121)]
714.	ORGN	8	rrn16 [91878..93368], rrn23 [95791..98678], rrn4.5 [98774..98868], rrn5 [99096..99216], rrn5 [complement(117111..117231)], rrn4.5 [complement(117459..117553)], rrn23 [complement(117649..120536)], rrn16 [complement(122959..124449)]
715.	ORGR	5	rrn5 [complement(48457..48577)], rrn4.5 [complement(48807..48909)], rrn23 [complement(49008..51816)], rrn16 [complement(52988..54472)], ycf2 [complement(59579..65311)]
716.	ORHU	6	trnT [complement(45707..45779)], rrn5 [complement(129308..129428)], rrn4.5 [complement(129676..129778)], rrn23 [complement(129877..132686)], rrn16 [complement(134870..136360)], trnV [complement(136592..136663)]
717.	ORLA	8	rrn16 [91915..93405], rrn23 [95828..98715], rrn4.5 [98811..98905], rrn5 [99133..99253], rrn5 [complement(117149..117269)], rrn4.5 [complement(117497..117591)], rrn23 [complement(117687..120574)], rrn16 [complement(122997..124487)]
718.	ORLN	8	rrn16 [92282..93772], rrn23 [96197..99084], rrn4.5 [99180..99274], rrn5 [99502..99622], rrn5 [complement(117642..117762)], rrn4.5 [complement(117990..118084)], rrn23 [complement(118180..121067)], rrn16 [complement(123492..124982)]
719.	ORME	8	rrn16 [91308..92798], rrn23 [95222..98109], rrn4.5 [98205..98299], rrn5 [98527..98647], rrn5 [complement(116517..116637)], rrn4.5 [complement(116865..116959)], rrn23 [complement(117055..119942)], rrn16 [complement(122366..123856)]
720.	ORMI	8	rrn16 [91712..93202], rrn23 [95624..98511], rrn4.5 [98607..98701], rrn5 [98929..99049], rrn5 [complement(117022..117142)], rrn4.5 [complement(117370..117464)], rrn23 [complement(117560..120447)], rrn16 [complement(122869..124359)]
721.	ORMY	8	rrn16 [92632..94122], rrn23 [96547..99434], rrn4.5 [99530..99624], rrn5 [99852..99972], rrn5 [complement(117994..118114)], rrn4.5 [complement(118342..118436)], rrn23 [complement(118532..121419)], rrn16 [complement(123844..125334)]
722.	ORPU	8	rrn16 [complement(91320..92810)], rrn23 [95232..98119], rrn4.5 [98215..98309], rrn5 [98537..98657], rrn5 [complement(116569..116689)], rrn4.5 [complement(116917..117011)], rrn23 [complement(117107..119994)], rrn16 [complement(122416..123906)]
723.	ORRH	8	rrn16 [91531..93021], rrn23 [95444..98331], rrn4.5 [98427..98521], rrn5 [98749..98869], rrn5 [complement(116756..116876)], rrn4.5 [complement(117104..117198)], rrn23 [complement(117294..120181)], rrn16 [complement(122604..124094)]
724.	ORRI	8	rrn16 [92313..93803], rrn23 [96228..99115], rrn4.5 [99211..99305], rrn5 [99533..99653], rrn5 [complement(117682..117802)], rrn4.5 [complement(118030..118124)], rrn23 [complement(118220..121107)], rrn16 [complement(123532..125022)]
725.	ORRU	8	rrn16 [91297..92787], rrn23 [95210..98097], rrn4.5 [98193..98287], rrn5 [98515..98635], rrn5 [complement(116505..116625)], rrn4.5 [complement(116853..116947)], rrn23 [complement(117043..119930)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(122352..123842)]
726.	ORSA	81	trnK [complement(1372..3930)], trnQ [complement(6620..6692)], trnS [complement(7834..7921)], orf77 [8354..8587], trnS [complement(11440..11527)], trnG [12273..12343], trnM [complement(12777..12850)], trnG [complement(12948..13691)], orf89 [complement(14015..14284)], orf70 [complement(14509..14721)], trnT [14997..15068], trnE [15587..15659], trnY [15721..15804], trnD [16172..16245], trnC [complement(17994..18064)], trnR [complement(35800..35871)], trnS [44362..44448], trnT [complement(45639..45711)], trnL [46475..47100], trnF [47345..47417], trnV [complement(50288..50959)], trnM [51141..51213], orf133 [55893..56294], orf73 [58219..58440], trnW [complement(63962..64035)], trnP [complement(64162..64236)], orf132 [complement(80868..81266)], orf82 [complement(80868..81116)], trnH [81003..81080], ORF137 [81239..81652], trnI [complement(83092..83165)], orf46 [83230..83370], ORF34 [83352..83456], orf28 [83487..83573], orf64 [83638..83832], orf222 [84030..84698], trnL [complement(84663..84743)], orf85 [complement(90214..90471)], orf72 [complement(90488..90706)], trnV [90944..91015], rrn16 [91247..92737], trnI [93048..94066], orf133 [93189..93590], trnA [94131..95014], orf109 [94630..94959], rrn23 [95160..98047], rrn4.5 [98143..98237], rrn5 [98465..98585], trnR [98844..98917], orf23 [98970..99041], trnN [complement(99170..99241)], ORF39 [99577..99696], ORF63 [100161..100352], trnL [105033..105112], ORF63 [complement(114687..114878)], ORF39 [complement(115343..115462)], trnN [115798..115869], orf23 [complement(115998..116069)], trnR [complement(116122..116195)], rrn5 [complement(116454..116574)], rrn4.5 [complement(116802..116896)], rrn23 [complement(116992..119879)], trnA [complement(120025..120908)], orf109 [complement(120080..120409)], trnI [complement(120973..121991)], orf133 [complement(121449..121850)], rrn16 [complement(122302..123792)], trnV [complement(124024..124095)], orf72 [124333..124551], orf85 [124568..124825], trnL [130296..130376], orf222 [complement(130341..131009)], orf64 [complement(131207..131401)], orf48 [complement(131207..131353)], orf28 [complement(131466..131552)], ORF34 [complement(131583..131687)], orf46 [complement(131669..131809)], trnI [131874..131947], ORF137 [complement(133387..133800)], orf132 [133773..134171], trnH [complement(133959..134036)]
727.	ORST	8	rrn16 [91252..92742], rrn23 [95165..98052], rrn4.5 [98148..98242], rrn5 [98470..98590], rrn5 [complement(116460..116580)], rrn4.5 [complement(116808..116902)], rrn23 [complement(116998..119885)], rrn16 [complement(122308..123798)]
728.	ORTA	6	trnT [complement(45714..45786)], rrn5 [complement(129379..129499)], rrn4.5 [complement(129747..129849)], rrn23 [complement(129948..132757)], rrn16 [complement(134941..136431)], trnV [complement(136663..136734)]
729.	OSAL	114	rps12 [complement(join(98269..147253,1..70089))], trnH [complement(2..75)], psbA [complement(400..1461)], trnK [complement(1700..4274)], matK [complement(2006..3526)], rps16 [complement(5064..6171)], trnQ [complement(7771..7842)], psbK [8197..8394], psbI [8777..8887], trnS [complement(9027..9114)], trnG [9675..10438], trnR [10677..10748], atpA [complement(10922..12463)], atpF [complement(12515..13802)], atpH [complement(13966..14211)], atpI [complement(15287..16030)], rps2 [complement(16220..16930)], rpoC2

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(17101..21231)], rpoC1 [complement(21409..24206)], rpoB [complement(24233..27451)], trnC [28288..28358], petN [29214..29303], psbM [complement(30450..30554)], trnD [complement(31725..31798)], trnY [complement(32225..32308)], trnE [complement(32368..32440)], trnT [33243..33314], psbD [34659..35720], psbC [35668..37089], trnS [complement(37316..37408)], psbZ [37731..37919], trnG [38152..38222], trnM [complement(38398..38470)], rps14 [complement(38618..38920)], psaB [complement(39062..41266)], psaA [complement(41292..43544)], ycf3 [complement(44161..46143)], trnS [47125..47211], rps4 [complement(47514..48119)], trnT [complement(48496..48568)], trnL [49048..49657], trnF [50034..50106], trnV [complement(51986..52670)], trnM [52843..52915], atpE [complement(53129..53530)], atpB [complement(53527..55023)], rbcL [55719..57146], accD [57754..59274], psaI [59957..60067], ycf4 [60470..61024], cemA [61740..62429], petA [62641..63609], psbJ [complement(64124..64246)], psbL [complement(64379..64495)], psbF [complement(64518..64637)], psbE [complement(64647..64898)], petL [66140..66235], petG [66403..66516], trnW [complement(66630..66703)], trnP [complement(66889..66962)], psaJ [67340..67474], rpl33 [67900..68103], rps18 [68291..68596], rpl20 [complement(68845..69198)], rps12 [complement(69976..133316)], clpP [complement(70220..72211)], psbB [72629..74155], psbT [74341..74448], psbN [complement(74514..74645)], psbH [74730..74969], petB [75093..76532], petD [76723..77931], rpoA [complement(78123..79130)], rps11 [complement(79196..79612)], rpl36 [complement(79742..79855)], rps8 [complement(80336..80743)], rpl14 [complement(80886..81254)], rpl16 [complement(81376..82834)], rps3 [complement(82999..83655)], rpl22 [complement(83640..84119)], rps19 [complement(84180..84404)], rpl2 [complement(84516..86009)], rpl23 [complement(86028..86309)], trnI [complement(86475..86548)], ycf2 [86637..93515], trnL [complement(94547..94627)], rps7 [complement(97742..98209)], trnV [100885..100956], rrn16 [101184..102674], trnI [102975..103992], trnA [104057..104930], rrn23 [105092..107899], rrn4.5 [107999..108100], rrn5 [108325..108445], trnL [complement(109723..109802)], rpl32 [complement(110590..110742)], psaC [complement(112433..112678)], rps15 [complement(115448..115720)], ycf1 [complement(116112..121775)], trnN [122084..122155], trnR [complement(122699..122772)], rrn5 [complement(123140..123260)], rrn4.5 [complement(123485..123586)], rrn23 [complement(123686..126493)], trnA [complement(126655..127528)], trnI [complement(127593..128610)], rrn16 [complement(128911..130401)], trnV [complement(130629..130700)], rps7 [133376..133843], trnL [136958..137038], ycf2 [complement(138070..144948)], trnI [145037..145110], rpl23 [145276..145557], rpl2 [145576..147069]
730.	OTAC	2	rps12 [complement(join(90159..90959,69680..69793))], rps12 [join(complement(69680..69793),128252..129052)]
731.	OTVE	8	rrn16 [94671..96162], rrn23 [98582..101469], rrn4.5 [101565..101659], rrn5 [101887..102007], rrn5 [complement(119983..120103)], rrn4.5 [complement(120331..120425)], rrn23 [complement(120521..123408)], rrn16 [complement(125828..127319)]
732.	OXDR	1	trnG [8447..9231]
733.	OZBI	8	rrn16 [101052..102542], rrn23 [104960..107770], rrn4.5 [107869..107971], rrn5 [108193..108313], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(131248..131368)], rrn4.5 [complement(131590..131692)], rrn23 [complement(131791..134600)], rrn16 [complement(137019..138509)]
734.	PAAB	4	clpP [57937..60048], rrn16 [104977..106467], rrn23 [109658..112471], rrn16 [complement(151554..153044)]
735.	PAAC	8	rrn16 [95700..97190], rrn23 [99583..102404], rrn4.5 [102503..102605], rrn5 [102857..102977], rrn5 [complement(128668..128788)], rrn4.5 [complement(129040..129142)], rrn23 [complement(129241..132062)], rrn16 [complement(134455..135945)]
736.	PAAF	8	rrn16 [88883..90385], rrn23 [92781..95727], rrn4.5 [95822..95924], rrn5 [96158..96277], rrn5 [complement(115010..115129)], rrn4.5 [complement(115363..115465)], rrn23 [complement(115560..118506)], rrn16 [complement(120902..122404)]
737.	PAAU	8	rrn16 [91939..93434], rrn23 [95822..98646], rrn4.5 [98740..98842], rrn5 [99075..99194], rrn5 [complement(116501..116620)], rrn4.5 [complement(116853..116955)], rrn23 [complement(117049..119873)], rrn16 [complement(122261..123756)]
738.	PABI	8	rrn16 [89340..90842], rrn23 [93247..96216], rrn4.5 [96312..96414], rrn5 [96648..96767], rrn5 [complement(114908..115027)], rrn4.5 [complement(115261..115363)], rrn23 [complement(115459..118428)], rrn16 [complement(120833..122335)]
739.	PABR	8	rrn16 [100457..101947], rrn23 [104258..107067], rrn4.5 [107268..107508], rrn5 [107508..107628], rrn5 [complement(128862..128987)], rrn4.5 [complement(129222..129324)], rrn23 [complement(129424..132233)], rrn16 [complement(134544..136034)]
740.	PACI	8	rrn16 [91964..93455], rrn23 [95875..98757], rrn4.5 [98853..98947], rrn5 [99175..99295], rrn5 [complement(117084..117204)], rrn4.5 [complement(117432..117526)], rrn23 [complement(117622..120504)], rrn16 [complement(122924..124415)]
741.	PACT	8	rrn16 [104322..105812], rrn23 [108222..111030], rrn4.5 [111129..111231], rrn5 [111458..111578], rrn5 [complement(142786..142906)], rrn4.5 [complement(143133..143235)], rrn23 [complement(143334..146142)], rrn16 [complement(148552..150042)]
742.	PADE	1	trnG [10829..11601]
743.	PADI	8	rrn16 [92345..93836], rrn23 [96256..99143], rrn4.5 [99239..99333], rrn5 [99561..99681], rrn5 [complement(117563..117683)], rrn4.5 [complement(117911..118005)], rrn23 [complement(118101..120988)], rrn16 [complement(123408..124899)]
744.	PAED	8	rrn16 [99151..100641], rrn23 [103041..105849], rrn4.5 [105961..106063], rrn5 [106315..106435], rrn5 [complement(130693..130813)], rrn4.5 [complement(131065..131167)], rrn23 [complement(131266..134074)], rrn16 [complement(136486..137976)]
745.	PAER	8	rrn16 [99779..101269], rrn23 [103689..106499], rrn4.5 [106601..106704], rrn5 [106933..107053], rrn5 [complement(128500..128620)], rrn4.5 [complement(128849..128952)], rrn23 [complement(129051..131861)], rrn16 [complement(134284..135774)]
746.	PAFI	8	rrn16 [94535..96026], rrn23 [98446..101333], rrn4.5 [101429..101523], rrn5 [101751..101871], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(119716..119836)], rrn4.5 [complement(120064..120158)], rrn23 [complement(120254..123141)], rrn16 [complement(125561..127052)]
747.	PAFL	8	rrn16 [90423..91922], rrn23 [94308..97235], rrn4.5 [97330..97432], rrn5 [97666..97785], rrn5 [complement(115950..116069)], rrn4.5 [complement(116303..116405)], rrn23 [complement(116500..119427)], rrn16 [complement(121813..123312)]
748.	PAFO	8	rrn16 [101788..103279], rrn23 [105663..108479], rrn4.5 [108578..108680], rrn5 [108907..109027], rrn5 [complement(137875..137995)], rrn4.5 [complement(138222..138324)], rrn23 [complement(138423..141239)], rrn16 [complement(143623..145114)]
749.	PAGE	8	rrn16 [94414..95905], rrn23 [98325..101212], rrn4.5 [101308..101402], rrn5 [101630..101750], rrn5 [complement(119434..119554)], rrn4.5 [complement(119782..119876)], rrn23 [complement(119972..122859)], rrn16 [complement(125279..126770)]
750.	PAGL	8	rrn16 [93940..95431], rrn23 [97851..100738], rrn4.5 [100834..100928], rrn5 [101156..101276], rrn5 [complement(119095..119215)], rrn4.5 [complement(119443..119537)], rrn23 [complement(119633..122520)], rrn16 [complement(124940..126431)]
751.	PAIN	8	rrn16 [94970..96461], rrn23 [98881..101768], rrn4.5 [101864..101958], rrn5 [102186..102306], rrn5 [complement(120164..120284)], rrn4.5 [complement(120512..120606)], rrn23 [complement(120702..123589)], rrn16 [complement(126009..127500)]
752.	PAIO	8	rrn16 [105520..107011], rrn23 [109431..112318], rrn4.5 [112414..112508], rrn5 [112736..112856], rrn5 [complement(130662..130782)], rrn4.5 [complement(131010..131104)], rrn23 [complement(131200..134087)], rrn16 [complement(136507..137998)]
753.	PAJA	8	rrn16 [102051..103541], rrn23 [105950..108758], rrn4.5 [108857..108959], rrn5 [109202..109322], rrn5 [complement(133066..133186)], rrn4.5 [complement(133429..133531)], rrn23 [complement(133630..136438)], rrn16 [complement(138847..140337)]
754.	PAJT	8	rrn16 [92621..94132], rrn23 [96534..99365], rrn4.5 [99458..99560], rrn5 [99793..99911], rrn5 [complement(117927..118045)], rrn4.5 [complement(118278..118380)], rrn23 [complement(118473..121304)], rrn16 [complement(123706..125217)]
755.	PAJU	8	rrn16 [92941..94432], rrn23 [96852..99739], rrn4.5 [99835..99929], rrn5 [100157..100277], rrn5 [complement(118200..118320)], rrn4.5 [complement(118548..118642)], rrn23 [complement(118738..121625)], rrn16 [complement(124045..125536)]
756.	PALA	8	rrn16 [98826..100317], rrn23 [102723..105543], rrn4.5 [105643..105745], rrn5 [105997..106117], rrn5 [complement(130717..130837)], rrn4.5 [complement(131089..131191)], rrn23 [complement(131291..134111)], rrn16 [complement(136517..138008)]
757.	PALD	1	trnG [9300..10072]
758.	PALI	8	rrn16 [98741..100231], rrn23 [102625..105446], rrn4.5 [105545..105647], rrn5 [105899..106019], rrn5 [complement(130280..130400)], rrn4.5 [complement(130652..130754)], rrn23 [complement(130853..133674)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(136068..137558)]
759.	PALT	8	rrn16 [88908..90407], rrn23 [92795..95764], rrn4.5 [95859..95961], rrn5 [96197..96316], rrn5 [complement(112515..112634)], rrn4.5 [complement(112870..112972)], rrn23 [complement(113067..116036)], rrn16 [complement(118424..119923)]
760.	PALY	8	rrn16 [93662..95153], rrn23 [97572..100459], rrn4.5 [100555..100649], rrn5 [100877..100997], rrn5 [complement(118860..118980)], rrn4.5 [complement(119208..119302)], rrn23 [complement(119398..122285)], rrn16 [complement(124704..126195)]
761.	PAMC	8	rrn16 [103792..105282], rrn23 [107659..110467], rrn4.5 [110566..110668], rrn5 [110896..111016], rrn5 [complement(140258..140378)], rrn4.5 [complement(140606..140708)], rrn23 [complement(140807..143615)], rrn16 [complement(145992..147482)]
762.	PAME	4	rrn16 [99467..100958], rrn23 [103344..106165], rrn4.5 [106264..106366], rrn5 [106588..106708]
763.	PAMI	8	rrn16 [94534..96025], rrn23 [98445..101327], rrn4.5 [101423..101517], rrn5 [101745..101865], rrn5 [complement(119698..119818)], rrn4.5 [complement(120046..120140)], rrn23 [complement(120236..123118)], rrn16 [complement(125538..127029)]
764.	PAMN	8	rrn16 [100575..102066], rrn23 [104486..107373], rrn4.5 [107469..107563], rrn5 [107791..107911], rrn5 [complement(125654..125774)], rrn4.5 [complement(126002..126096)], rrn23 [complement(126192..129079)], rrn16 [complement(131499..132990)]
765.	PAMS	8	rrn16 [89389..90891], rrn23 [93298..96356], rrn4.5 [96451..96553], rrn5 [96787..96906], rrn5 [complement(113321..113440)], rrn4.5 [complement(113674..113776)], rrn23 [complement(113871..116929)], rrn16 [complement(119336..120838)]
766.	PAMU	8	rrn16 [95605..97096], rrn23 [99516..102403], rrn4.5 [102499..102593], rrn5 [102821..102941], rrn5 [complement(120724..120844)], rrn4.5 [complement(121072..121166)], rrn23 [complement(121262..124149)], rrn16 [complement(126569..128060)]
767.	PANT	8	rrn16 [98961..100452], rrn23 [102858..105678], rrn4.5 [105778..105880], rrn5 [106132..106252], rrn5 [complement(130722..130842)], rrn4.5 [complement(131094..131196)], rrn23 [complement(131296..134116)], rrn16 [complement(136522..138013)]
768.	PAOB	8	rrn16 [100556..102046], rrn23 [104358..107167], rrn4.5 [107368..107603], rrn5 [107603..107723], rrn5 [complement(129363..129483)], rrn4.5 [complement(129718..129820)], rrn23 [complement(129920..132729)], rrn16 [complement(135041..136531)]
769.	PAOE	9	rrn16 [97813..99304], rrn23 [101690..104510], rrn4.5 [104610..104710], rrn5 [104997..105117], rrn5 [complement(128680..128800)], rrn4.5 [complement(129085..129187)], rrn23 [complement(129287..132107)], trnA [complement(132261..133133)], rrn16 [complement(134493..135984)]
770.	PAOO	4	rrn16 [104170..105660], rrn23 [108049..110857], rrn4.5 [110956..111058], rrn5 [111290..111410]
771.	PAPA	8	rrn16 [103125..104616], rrn23 [107036..109923], rrn4.5 [110019..110113], rrn5 [110341..110461], rrn5 [complement(128344..128464)], rrn4.5 [complement(128692..128786)], rrn23 [complement(128882..131769)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(134189..135680)]
772.	PAPB	2	ycf15 [100953..101159], ycf15 [complement(153461..153667)]
773.	PAPT	8	rrn16 [103189..104679], rrn23 [107316..110127], rrn4.5 [110227..110329], rrn5 [110556..110676], rrn5 [complement(139358..139478)], rrn4.5 [complement(139705..139807)], rrn23 [complement(139907..142718)], rrn16 [complement(145355..146845)]
774.	PAPU	8	rrn16 [103134..104625], rrn23 [107045..109932], rrn4.5 [110028..110122], rrn5 [110350..110470], rrn5 [complement(128353..128473)], rrn4.5 [complement(128701..128795)], rrn23 [complement(128891..131778)], rrn16 [complement(134198..135689)]
775.	PAPY	8	rrn16 [95686..97177], rrn23 [99597..102484], rrn4.5 [102580..102674], rrn5 [102902..103022], rrn5 [complement(120962..121082)], rrn4.5 [complement(121310..121404)], rrn23 [complement(121500..124387)], rrn16 [complement(126807..128298)]
776.	PAQR	8	rrn16 [97399..98889], rrn23 [101297..104118], rrn4.5 [104217..104319], rrn5 [104571..104691], rrn5 [complement(129248..129368)], rrn4.5 [129620..129722], rrn23 [complement(129821..132642)], rrn16 [complement(135050..136540)]
777.	PARE	8	rrn16 [97253..98744], rrn23 [101130..103950], rrn4.5 [104050..104152], rrn5 [104479..104599], rrn5 [complement(128234..128354)], rrn4.5 [complement(128681..128783)], rrn23 [complement(128883..131703)], rrn16 [complement(134089..135580)]
778.	PARF	4	rrn16 [92629..94140], rrn23 [96718..99539], rrn23 [complement(118596..121417)], rrn16 [complement(123995..125506)]
779.	PARO	8	rrn16 [100655..102145], rrn23 [104457..107266], rrn4.5 [107467..107702], rrn5 [107702..107822], rrn5 [complement(129477..129597)], rrn4.5 [complement(129832..129934)], rrn23 [complement(130034..132843)], rrn16 [complement(135155..136645)]
780.	PASB	8	rrn16 [104567..106056], rrn23 [108489..111298], rrn4.5 [111399..111501], rrn5 [111717..111837], rrn5 [complement(135371..135491)], rrn4.5 [complement(135707..135809)], rrn23 [complement(135909..138718)], rrn16 [complement(141151..142640)]
781.	PASE	8	rrn16 [98956..100447], rrn23 [102841..105661], rrn4.5 [105761..105863], rrn5 [106115..106235], rrn5 [complement(123073..123193)], rrn4.5 [complement(123445..123547)], rrn23 [complement(123647..126467)], rrn16 [complement(128861..130352)]
782.	PASF	8	rrn16 [100749..102239], rrn23 [104551..107406], rrn4.5 [107607..107842], rrn5 [107842..107962], rrn5 [complement(129728..129848)], rrn4.5 [complement(130083..130185)], rrn23 [complement(130285..133140)], rrn16 [complement(135452..136942)]
783.	PASI	8	rrn16 [95107..96598], rrn23 [99014..101901], rrn4.5 [102001..102095], rrn5 [102328..102448], rrn5 [complement(120180..120300)], rrn4.5 [complement(120533..120627)], rrn23 [complement(120727..123614)], rrn16 [complement(126030..127521)]
784.	PASM	8	rrn16 [95973..97464], rrn23 [99884..102771], rrn4.5 [102867..102961], rrn5 [103189..103309], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(121028..121148)], rrn4.5 [complement(121376..121470)], rrn23 [complement(121566..124453)], rrn16 [complement(126873..128364)]
785.	PASR	9	rrn16 [98896..100387], trnA [complement(101754..102626)], rrn23 [102780..105600], rrn4.5 [105700..105800], rrn5 [106054..106174], rrn5 [complement(130814..130934)], rrn4.5 [complement(131186..131288)], rrn23 [complement(131388..134208)], rrn16 [complement(136601..138092)]
786.	PASS	8	rrn16 [90433..91929], rrn23 [94298..97131], rrn4.5 [97229..97331], rrn5 [97584..97703], rrn5 [complement(115455..115574)], rrn4.5 [complement(115827..115929)], rrn23 [complement(116027..118860)], rrn16 [complement(121229..122725)]
787.	PATC	8	rrn16 [104448..105938], rrn23 [108349..111159], rrn4.5 [111258..111360], rrn5 [111588..111708], rrn5 [complement(135102..135222)], rrn4.5 [complement(135450..135552)], rrn23 [complement(135651..138461)], rrn16 [complement(140872..142362)]
788.	PATN	8	rrn16 [93087..94583], rrn23 [96966..99799], rrn4.5 [99897..99999], rrn5 [100225..100344], rrn5 [complement(118009..118128)], rrn4.5 [complement(118354..118456)], rrn23 [complement(118554..121387)], rrn16 [complement(123770..125266)]
789.	PATT	8	rrn16 [100950..102440], rrn23 [104691..107499], rrn4.5 [107598..107700], rrn5 [107924..108044], rrn5 [complement(137654..137774)], rrn4.5 [complement(137998..138100)], rrn23 [complement(138199..141007)], rrn16 [complement(143258..144748)]
790.	PAVA	8	rrn16 [95084..96575], rrn23 [98995..101882], rrn4.5 [101978..102072], rrn5 [102300..102420], rrn5 [complement(120297..120417)], rrn4.5 [complement(120645..120739)], rrn23 [complement(120835..123722)], rrn16 [complement(126142..127633)]
791.	PAVF	8	rrn16 [96948..98438], rrn23 [100832..103653], rrn4.5 [103752..103854], rrn5 [104106..104226], rrn5 [complement(125526..125646)], rrn4.5 [125898..126000], rrn23 [complement(126099..128920)], rrn16 [complement(131314..132804)]
792.	PAVI	8	rrn16 [94434..95925], rrn23 [98344..101226], rrn4.5 [101322..101416], rrn5 [101644..101764], rrn5 [complement(119515..119635)], rrn4.5 [complement(119863..119957)], rrn23 [complement(120053..122935)], rrn16 [complement(125354..126845)]
793.	PAVR	8	rrn16 [95848..97339], rrn23 [99759..102646], rrn4.5 [102742..102836], rrn5 [103064..103184], rrn5 [complement(121023..121143)], rrn4.5 [complement(121371..121465)], rrn23 [complement(121561..124448)], rrn16 [complement(126868..128359)]
794.	PAVT	8	rrn16 [102011..103501], rrn23 [105912..108720], rrn4.5 [108819..108921], rrn5 [109164..109284], rrn5 [complement(132888..133008)], rrn4.5 [complement(133251..133353)], rrn23 [complement(133452..136260)], rrn16 [complement(138671..140161)]
795.	PAWA	8	rrn16 [102027..103517], rrn23 [105927..108735], rrn4.5 [108834..108936], rrn5 [109179..109299], rrn5 [complement(133054..133174)], rrn4.5 [complement(133417..133519)], rrn23 [complement(133618..136426)], rrn16 [complement(138836..140326)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
796.	PAZI	8	rrn16 [102033..103523], rrn23 [105931..108739], rrn4.5 [108838..108940], rrn5 [109183..109303], rrn5 [complement(133133..133253)], rrn4.5 [complement(133496..133598)], rrn23 [complement(133697..136505)], rrn16 [complement(138913..140403)]
797.	PEAC	8	rrn16 [105801..107291], rrn23 [109703..112512], rrn4.5 [112613..112715], rrn5 [112940..113060], rrn5 [complement(136780..136900)], rrn4.5 [complement(137125..137227)], rrn23 [complement(137326..140135)], rrn16 [complement(142549..144039)]
798.	PEAL	8	rrn16 [105977..107484], rrn23 [109898..112857], rrn4.5 [112945..113047], rrn5 [113329..113449], rrn5 [complement(150437..150557)], rrn4.5 [complement(150839..150941)], rrn23 [complement(151029..153988)], rrn16 [complement(156402..157909)]
799.	PEAU	8	rrn16 [100152..101646], rrn23 [104057..106094], rrn4.5 [106992..107094], rrn5 [107372..107492], rrn5 [complement(144336..144456)], rrn4.5 [complement(144734..144836)], rrn23 [complement(144924..147771)], rrn16 [complement(150182..151676)]
800.	PECH	8	rrn16 [102989..104478], rrn23 [106694..109503], rrn4.5 [109607..109709], rrn5 [109975..110095], rrn5 [complement(133327..133447)], rrn4.5 [complement(133713..133815)], rrn23 [complement(133914..136723)], rrn16 [complement(138943..140432)]
801.	PECI	16	rrn16 [99701..101191], rrn16 [99701..101191], rrn23 [103636..106452], rrn23 [103636..106452], rrn4.5 [106552..106654], rrn4.5 [106552..106654], rrn5 [106915..107045], rrn5 [106915..107045], rrn5 [complement(129243..129373)], rrn5 [complement(129243..129373)], rrn4.5 [complement(129634..129736)], rrn4.5 [complement(129634..129736)], rrn23 [complement(129836..132652)], rrn23 [complement(129836..132652)], rrn16 [complement(135097..136587)], rrn16 [complement(135097..136587)]
802.	PECO	8	rrn16 [100675..102169], rrn23 [104591..107438], rrn4.5 [107526..107628], rrn5 [107905..108025], rrn5 [complement(144863..144983)], rrn4.5 [complement(145260..145362)], rrn23 [complement(145450..148297)], rrn16 [complement(150719..152213)]
803.	PECR	8	rrn16 [100249..101739], rrn23 [104159..106972], rrn4.5 [107071..107173], rrn5 [107431..107551], rrn5 [complement(131456..131576)], rrn4.5 [complement(131834..131936)], rrn23 [complement(132035..134848)], rrn16 [complement(137268..138758)]
804.	PECT	8	rrn16 [103410..104921], rrn23 [107340..110444], rrn4.5 [110532..110634], rrn5 [110909..111027], rrn5 [complement(148050..148168)], rrn4.5 [complement(148443..148545)], rrn23 [complement(148633..151737)], rrn16 [complement(154156..155667)]
805.	PECU	8	rrn16 [103473..104984], rrn23 [107398..110372], rrn4.5 [110460..110562], rrn5 [110837..110955], rrn5 [complement(147914..148032)], rrn4.5 [complement(148307..148409)], rrn23 [complement(148497..151471)], rrn16 [complement(153885..155396)]
806.	PEDI	8	rrn16 [103247..104739], rrn23 [107161..110016], rrn4.5 [110104..110206], rrn5 [110484..110604], rrn5 [complement(146522..146642)], rrn4.5 [complement(146920..147022)], rrn23 [complement(147110..149965)], rrn16 [complement(152387..153879)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
807.	PEDO	8	rrn16 [97276..98767], rrn23 [101180..104205], rrn4.5 [104293..104395], rrn5 [104787..104906], rrn5 [complement(140003..140122)], rrn4.5 [complement(140514..140616)], rrn23 [complement(140704..143729)], rrn16 [complement(146142..147633)]
808.	PEEC	8	rrn16 [102631..104138], rrn23 [106553..109540], rrn4.5 [109628..109730], rrn5 [110005..110123], rrn5 [complement(147254..147372)], rrn4.5 [complement(147647..147749)], rrn23 [complement(147837..150824)], rrn16 [complement(153239..154746)]
809.	PEEH	8	rrn16 [96940..98436], rrn23 [100827..103778], rrn4.5 [103866..103968], rrn5 [104354..104474], rrn5 [complement(140822..140942)], rrn4.5 [complement(141328..141430)], rrn23 [complement(141518..144469)], rrn16 [complement(146860..148350)]
810.	PEEN	2	rrn16 [complement(91286..92774)], rrn16 [194981..196469]
811.	PEEX	8	rrn16 [103944..105436], rrn23 [107790..110729], rrn4.5 [110817..110919], rrn5 [111197..111317], rrn5 [complement(147422..147542)], rrn4.5 [complement(147820..147922)], rrn23 [complement(148010..150949)], rrn16 [complement(153303..154795)]
812.	PEFR	16	rrn16 [99707..101197], rrn16 [99707..101197], rrn23 [103642..106458], rrn23 [103642..106458], rrn4.5 [106558..106660], rrn4.5 [106558..106660], rrn5 [106921..107051], rrn5 [106921..107051], rrn5 [complement(129257..129387)], rrn5 [complement(129257..129387)], rrn4.5 [complement(129648..129750)], rrn4.5 [complement(129648..129750)], rrn23 [complement(129850..132666)], rrn23 [complement(129850..132666)], rrn16 [complement(135111..136601)], rrn16 [complement(135111..136601)]
813.	PEFU	8	rrn16 [104090..105597], rrn23 [108015..111000], rrn4.5 [111088..111190], rrn5 [111465..111583], rrn5 [complement(148579..148697)], rrn4.5 [complement(148972..149074)], rrn23 [complement(149162..152147)], rrn16 [complement(154565..156072)]
814.	PEHB	46	trnH [complement(91..165)], trnK [complement(1853..4423)], trnQ [complement(7441..7512)], trnS [complement(8650..8737)], trnG [complement(9430..10188)], trnR [10358..10429], trnC [28730..28801], trnD [complement(31846..31919)], trnY [complement(32028..32111)], trnE [complement(32171..32243)], trnT [33112..33183], trnS [complement(37120..37212)], trnG [38018..38088], trnM [complement(38323..38396)], trnS [47085..47163], trnT [complement(48480..48552)], trnL [49263..49841], trnF [50198..50270], trnV [complement(53734..54378)], trnM [54568..54640], trnW [complement(69503..69576)], trnP [complement(69740..69813)], trnI [complement(89237..89310)], trnL [96954..97034], trnV [103021..103092], rrn16 [103320..104810], trnI [105112..105900], trnA [105965..106719], rrn23 [106873..109682], rrn4.5 [109784..109886], rrn5 [110143..110263], trnR [110517..110590], trnN [complement(111185..111256)], trnL [116708..116787], ndhI [complement(121669..122172)], trnN [132533..132604], trnR [complement(133199..133272)], rrn5 [complement(133526..133646)], rrn4.5 [complement(133903..134005)], rrn23 [complement(134107..136916)], trnA [complement(137070..137824)], trnI [complement(137889..138670)], rrn16 [complement(138979..140469)], trnV [complement(140697..140768)], trnL [146755..146835], trnI [154479..154553]
815.	PEHO	4	rrn16 [complement(63545..63580)], trnW [complement(210292..210365)], trnP

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(210535..210608)], rrn16 [214073..214108]
816.	PEHY	8	rrn16 [100461..101950], rrn23 [104222..107030], rrn4.5 [107130..107232], rrn5 [107484..107604], rrn5 [complement(129411..129531)], rrn4.5 [complement(129783..129885)], rrn23 [complement(129984..132792)], rrn16 [complement(135064..136553)]
817.	PEIN	8	rrn16 [105824..107331], rrn23 [109756..112737], rrn4.5 [112825..112927], rrn5 [113202..113320], rrn5 [complement(150193..150311)], rrn4.5 [complement(150586..150688)], rrn23 [complement(150776..153757)], rrn16 [complement(156182..157689)]
818.	PEIO	8	rrn16 [101428..102917], rrn23 [105347..108161], rrn4.5 [108260..108362], rrn5 [108588..108708], rrn5 [complement(132710..132830)], rrn4.5 [complement(133056..133158)], rrn23 [complement(133257..136071)], rrn16 [complement(138493..139982)]
819.	PEJA	8	rrn16 [100684..102174], rrn23 [104619..107441], rrn4.5 [107540..107642], rrn5 [107901..108021], rrn5 [complement(132217..132337)], rrn4.5 [complement(132596..132698)], rrn23 [complement(132797..135619)], rrn16 [complement(138064..139553)]
820.	PEMY	8	rrn16 [99122..100623], rrn23 [103019..105930], rrn4.5 [106018..106120], rrn5 [106596..106716], rrn5 [complement(142424..142544)], rrn4.5 [complement(143020..143122)], rrn23 [complement(143210..146121)], rrn16 [complement(148517..150018)]
821.	PENA	8	rrn16 [105347..106854], rrn23 [109268..112376], rrn4.5 [112464..112566], rrn5 [112840..112958], rrn5 [complement(150259..150377)], rrn4.5 [complement(150651..150753)], rrn23 [complement(150841..153949)], rrn16 [complement(156363..157870)]
822.	PEQI	8	rrn5 [complement(81680..81800)], rrn4.5 [complement(82219..82300)], rrn23 [complement(82443..85383)], rrn16 [complement(87791..89271)], rrn16 [192548..194028], rrn23 [196437..199372], rrn4.5 [199520..199601], rrn5 [200020..200140]
823.	PEQU	8	rrn16 [102892..104399], rrn23 [106813..110035], rrn4.5 [110123..110225], rrn5 [110462..110580], rrn5 [complement(147533..147651)], rrn4.5 [complement(147888..147990)], rrn23 [complement(148078..151300)], rrn16 [complement(153714..155221)]
824.	PESE	16	rrn16 [99759..101249], rrn16 [99759..101249], rrn23 [103694..106510], rrn23 [103694..106510], rrn4.5 [106610..106712], rrn4.5 [106610..106712], rrn5 [106973..107103], rrn5 [106973..107103], rrn5 [complement(129311..129441)], rrn5 [complement(129311..129441)], rrn4.5 [complement(129702..129804)], rrn4.5 [complement(129702..129804)], rrn23 [complement(129904..132720)], rrn23 [complement(129904..132720)], rrn16 [complement(135165..136655)], rrn16 [complement(135165..136655)]
825.	PESP	8	rrn5 [complement(79329..79449)], rrn4.5 [complement(79893..79972)], rrn23 [complement(80096..82994)], rrn16 [complement(85401..86889)], rrn16 [187486..188974], rrn23 [191382..194280], rrn4.5 [194404..194483], rrn5 [194927..195047]
826.	PEST	5	rrn16 [73131..74621], rrn23 [77021..79824], rrn4.5 [79931..80033], rrn5 [80255..80375], rrn16 [complement(93086..93430)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
827.	PETE	8	rrn16 [98754..100250], rrn23 [102646..105583], rrn4.5 [105671..105773], rrn5 [106208..106328], rrn5 [complement(142264..142384)], rrn4.5 [complement(142819..142921)], rrn23 [complement(143009..145946)], rrn16 [complement(148342..149832)]
828.	PETI	8	rrn16 [96210..97700], rrn23 [100121..103263], rrn4.5 [103351..103453], rrn5 [103845..103964], rrn5 [complement(139420..139539)], rrn4.5 [complement(139931..140033)], rrn23 [complement(140121..143263)], rrn16 [complement(145683..147174)]
829.	PETR	14	rrn16 [complement(76809..77245)], rrn16 [complement(78895..79331)], rrn5 [complement(83446..83566)], rrn4.5 [complement(83981..84060)], rrn23 [complement(84190..87221)], rrn16 [complement(89629..91122)], rrn16 [136621..137484], rrn16 [complement(165466..166329)], rrn16 [211828..213321], rrn23 [215729..218760], rrn4.5 [218890..218969], rrn5 [219384..219504], rrn16 [223619..224055], rrn16 [225705..226141]
830.	PHAE	8	rrn16 [104268..105758], rrn23 [108172..110981], rrn4.5 [111081..111183], rrn5 [111408..111528], rrn5 [complement(134458..134578)], rrn4.5 [complement(134803..134905)], rrn23 [complement(135004..137813)], rrn16 [complement(140228..141718)]
831.	PHAN	8	rrn16 [103133..104622], rrn23 [106830..109639], rrn4.5 [109741..109843], rrn5 [110100..110220], rrn5 [complement(133483..133603)], rrn4.5 [complement(133860..133962)], rrn23 [complement(134064..136873)], rrn16 [complement(139071..140560)]
832.	PHAP	24	ORF114 [175..519], ORF87B [23929..24192], ORF103 [51817..52128], ORF88 [complement(61727..61993)], ORF87C [64106..64369], orf85 [complement(69142..69399)], ORF99 [complement(70055..70354)], ORF79 [70125..70364], ORF81C [complement(73963..74208)], ORF86B [86687..86947], trnI [complement(88710..88783)], ORF90 [complement(92874..93146)], ORF81B [97939..98184], ORF79 [99557..99796], ORF77A [100484..100717], ORF115 [complement(102259..102606)], ORF81A [102460..102705], ORF86A [complement(104668..104928)], ORF170 [105185..105697], ORF91 [complement(108844..109119)], ORF131 [complement(109725..110120)], ORF77B [complement(112395..112628)], ORF87A [122213..122476], trnI [146139..146212]
833.	PHGL	1	trnL [47825..48462]
834.	PHGR	8	rrn16 [91296..92787], rrn23 [95211..98098], rrn4.5 [98194..98288], rrn5 [98516..98636], rrn5 [complement(116425..116545)], rrn4.5 [complement(116773..116867)], rrn23 [complement(116963..119850)], rrn16 [complement(122274..123765)]
835.	PHIN	6	rrn16 [101649..103139], rrn23 [105581..108391], rrn4.5 [108490..108592], rrn4.5 [complement(133934..134036)], rrn23 [complement(134135..136945)], rrn16 [complement(139387..140877)]
836.	PHKO	8	rrn16 [90369..91860], rrn23 [94049..96936], rrn4.5 [97032..97126], rrn5 [97354..97474], rrn5 [complement(115233..115353)], rrn4.5 [complement(115581..115675)], rrn23 [complement(115771..118658)], rrn16 [complement(120847..122338)]
837.	PHLN	8	rrn16 [104299..105789], rrn23 [108198..111005], rrn4.5 [111107..111209], rrn5 [111431..111551], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(135273..135393)], rrn4.5 [complement(135615..135717)], rrn23 [complement(135818..138625)], rrn16 [complement(141035..142525)]
838.	PHPE	8	rrn16 [103133..104622], rrn23 [106830..109639], rrn4.5 [109741..109843], rrn5 [110100..110220], rrn5 [complement(133483..133603)], rrn4.5 [complement(133860..133962)], rrn23 [complement(134064..136873)], rrn16 [complement(139071..140560)]
839.	PHPI	8	rrn16 [103133..104622], rrn23 [106830..109639], rrn4.5 [109741..109843], rrn5 [110100..110220], rrn5 [complement(133483..133603)], rrn4.5 [complement(133860..133962)], rrn23 [complement(134064..136873)], rrn16 [complement(139071..140560)]
840.	PHPU	5	rps12 [complement(26242..52470)], rrn5 [complement(45198..45318)], rrn4.5 [complement(45519..45621)], rrn23 [complement(45718..48522)], rrn16 [complement(49478..50961)]
841.	PHRA	6	rrn5 [complement(8067..8187)], rrn4.5 [complement(8372..8474)], rrn23 [complement(8572..11377)], rrn16 [complement(11860..13349)], rps12 [complement(14550..53982)], rrn16 [complement(44173..44597)]
842.	PHSA	8	rrn16 [92403..93893], rrn23 [96319..99206], rrn4.5 [99302..99396], rrn5 [99624..99744], rrn5 [complement(117833..117953)], rrn4.5 [complement(118181..118275)], rrn23 [complement(118371..121258)], rrn16 [complement(123684..125174)]
843.	PHTA	1	rrn4.5 [complement(13852..123750)]
844.	PHVE	16	rrn16 [97539..99031], rrn16 [97539..99031], rrn23 [101474..104283], rrn23 [101474..104283], rrn4.5 [104382..104484], rrn4.5 [104382..104484], rrn5 [104709..104829], rrn5 [104709..104829], rrn5 [complement(127056..127176)], rrn5 [complement(127056..127176)], rrn4.5 [complement(127401..127503)], rrn4.5 [complement(127401..127503)], rrn23 [complement(127602..130411)], rrn23 [complement(127602..130411)], rrn16 [complement(132856..134346)], rrn16 [complement(132856..134346)]
845.	PIAE	2	rrn23 [2984..4884], rrn16 [8369..9741]
846.	PIAR	6	psbA [complement(1..1062)], ndhK [65770..66018], rrn16 [82855..84344], rrn23 [86856..89656], rrn4.5 [89761..89863], rrn5 [90073..90233]
847.	PIAU	8	rrn16 [104547..106037], rrn23 [108460..111262], rrn4.5 [111371..111473], rrn5 [111703..111823], rrn5 [complement(135679..135799)], rrn4.5 [complement(136029..136131)], rrn23 [complement(136233..139035)], rrn16 [complement(141465..142955)]
848.	PIAV	8	rrn16 [93286..94777], rrn23 [97059..99946], rrn4.5 [100042..100136], rrn5 [100364..100484], rrn5 [complement(118831..118951)], rrn4.5 [complement(119179..119273)], rrn23 [complement(119369..122256)], rrn16 [complement(124538..126028)]
849.	PICA	1	rps36 [19040..19153]
850.	PICE	8	rrn16 [104629..106119], rrn23 [108542..111346], rrn4.5 [111455..111557], rrn5 [111787..111907], rrn5 [complement(136386..136506)], rrn4.5 [complement(136736..136838)], rrn23 [complement(136940..139744)], rrn16 [complement(142174..143664)]
851.	PICO	2	atpF [complement(11743..13051)], rpoC1 [complement(20019..22784)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
852.	PIDI	45	trnH [complement(1..74)], trnK [complement(1855..4454)], trnQ [complement(7563..7634)], trnS [complement(8831..8918)], trnG [9699..10519], trnR [10758..10829], trnC [29325..29395], trnD [complement(32527..32600)], trnY [complement(33069..33152)], trnE [complement(33212..33284)], trnT [33979..34050], trnS [complement(38092..38184)], trnG [39578..39648], trnM [complement(39817..39890)], trnS [48451..48537], trnT [complement(49551..49623)], trnL [50847..51436], trnF [51609..51681], trnV [complement(54633..55302)], trnM [55475..55547], trnW [complement(69738..69811)], trnP [complement(69981..70054)], trnI [complement(89645..89718)], trnL [complement(97601..97681)], trnV [103995..104066], rrn16 [104294..105784], trnI [106079..107107], trnA [107172..108047], rrn23 [108200..111012], rrn4.5 [111111..111213], rrn5 [111444..111564], trnR [111821..111894], trnN [complement(112506..112577)], trnL [118198..118277], trnN [133980..134051], trnR [complement(134663..134736)], rrn5 [complement(134993..135113)], rrn4.5 [complement(135344..135446)], rrn23 [complement(135545..138357)], trnA [complement(138510..139385)], trnI [complement(139451..140479)], rrn16 [complement(140773..142263)], trnV [complement(142491..142562)], trnL [148876..148956], trnI [156839..156912]
853.	PIEH	9	matK [complement(2029..3576)], rrn16 [97687..99177], rrn23 [101601..104416], rrn4.5 [104515..104617], rrn5 [104819..104939], rrn5 [complement(123977..124097)], rrn4.5 [complement(124299..124401)], rrn23 [complement(124500..127315)], rrn16 [complement(129739..131229)]
854.	PIEL	8	rrn16 [102993..104483], rrn23 [106896..109705], rrn4.5 [109805..109907], rrn5 [110132..110252], rrn5 [complement(133056..133176)], rrn4.5 [complement(133401..133503)], rrn23 [complement(133602..136411)], rrn16 [complement(138825..140315)]
855.	PIFU	4	rrn5 [complement(42561..42681)], rrn4.5 [complement(42912..43015)], rrn23 [complement(43095..45892)], rrn16 [complement(48182..49670)]
856.	PIHA	2	rrn23 [2876..5035], rrn16 [10433..12221]
857.	PIKO	201	ORF53a [complement(634..795)], ORF47a [complement(1327..1470)], ORF60a [complement(3606..3788)], ORF41a [4127..4252], ORF47c [complement(4163..4306)], ORF49a [complement(4319..4468)], ORF84b [6321..6575], ORF50b [6721..6873], ORF67a [7267..7470], ORF50c [7805..7957], ORF41b [complement(10301..10426)], ORF43a [11274..11405], ORF72a [complement(11954..12172)], ORF60b [complement(12595..12777)], ORF112 [13568..13906], ORF40b [14667..14789], ORF60c [14874..15056], ORF44a [15766..15900], ORF43b [15956..16087], ORF145 [complement(22043..22480)], ORF100 [complement(25978..26280)], ORF111 [26332..26667], ORF67b [complement(26802..27005)], ORF51a [27202..27357], ORF40f [27272..27394], ORF63b [complement(27476..27667)], ORF105 [complement(27895..28212)], ORF64a [complement(28909..29103)], ORF51b [29412..29567], ORF67d [complement(29485..29688)], ORF60d [complement(29906..30088)], ORF49d [complement(30398..30547)], ORF95b [complement(30487..30774)], ORF46d [30562..30702], ORF41e [30923..31048], ORF53c [complement(31031..31192)], ORF43e [31169..31300], ORF45a [complement(31297..31434)], ORF69b [31742..31951], ORF50e [32167..32319], ORF40g [complement(32541..32663)], ORF66a [33300..33500],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			<p>ORF47g [34520..34663], ORF59a [complement(35266..35445)], ORF52a [35650..35808], ORF49e [complement(35718..35867)], ORF58a [complement(37851..38027)], ORF40h [39218..39340], ORF47h [complement(39299..39442)], ORF54b [39521..39685], ORF53d [39822..39983], ORF56a [complement(39933..40103)], ORF43g [complement(40072..40203)], ORF41f [40249..40374], ORF75a [41202..41429], ORF42a [complement(44456..44584)], ORF45b [44562..44699], ORF62a [44739..44927], ORF69c [complement(47910..48119)], ORF107a [47926..48249], ORF67e [48075..48278], ORF66b [complement(48246..48446)], ORF42b [48598..48726], ORF133 [complement(48913..49314)], ORF63c [complement(49386..49577)], ORF41g [complement(49674..49799)], ORF41h [49885..50010], ORF44d [complement(50180..50314)], ORF65a [complement(50259..50456)], ORF62b [complement(50556..50744)], ORF53f [50661..50822], ORF55a [50906..51073], ORF132 [complement(50941..51339)], ORF83a [53722..53973], ORF55b [complement(54917..55084)], ORF44e [55110..55244], ORF47i [55770..55913], ORF81b [57830..58075], ORF91 [58157..58432], ORF43j [complement(58653..58784)], ORF56d [58703..58873], ORF54d [59089..59253], ORF53g [59452..59613], ORF40j [complement(59917..60039)], ORF40k [59941..60063], ORF40l [60618..60740], ORF69d [60751..60960], ORF76b [61677..61907], ORF41i [63294..63419], ORF41j [63533..63658], ORF58d [63643..63819], ORF40m [complement(64704..64826)], ORF108 [64867..65193], ORF86a [65381..65641], ORF48b [complement(65389..65535)], ORF44f [complement(65604..65738)], ndhK [65659..65907], ORF48c [65996..66142], ORF73b [complement(66091..66312)], ORF45c [66231..66368], ORF45d [66382..66519], ORF50i [66523..66675], ORF45e [66790..66927], ORF49g [complement(66810..66959)], ORF42c [complement(67086..67217)], ycf3 [70629..70877], ORF40n [complement(71700..71822)], ORF40o [complement(71930..72052)], ORF40p [75082..75204], ORF50i [complement(75713..75865)], ORF43k [complement(75927..76058)], ORF79b [complement(76468..76707)], ORF51d [76678..76833], ORF57e [77068..77241], ORF63d [complement(77161..77352)], ORF46e [complement(77563..77703)], ORF83b [77908..78159], ORF75b [78396..78623], ORF51e [complement(78500..78655)], ORF56e [78629..78799], ORF50j [78690..78842], ORF71b [78945..79160], ORF57f [complement(79635..79808)], ORF43l [80094..80225], ORF40g [80251..80373], ORF62d [complement(80273..80461)], ORF70c [80511..80723], ORF57g [81151..81324], ORF42j [81468..81590], ORF48c [81604..81750], ORF61b [81879..82064], ORF44k [complement(82295..82429)], ORF41l [82394..82519], ORF59b [82557..82736], ORF65b [complement(82597..82794)], rrn16 [82749..84238], ORF40s [complement(83026..83148)], ORF40t [83237..83359], ORF64d [complement(83558..83752)], ORF58e [83600..83776], orf137 [complement(83992..84405)], ORF65c [complement(84249..84446)], ORF75c [84760..84987], ORF54f [84848..85012], ORF68b [complement(85231..85437)], ORF50k [85331..85483], ORF52c [85733..85891], rrn23 [86750..89550], ORF124 [complement(86767..87141)], ORF44l [complement(87119..87253)], ORF40u [87337..87459], ORF46f [87546..87686], ORF64c [87906..88112], ORF61c [88223..88408], ORF82c [complement(88529..88777)], ORF45f [88776..88913], ORF58f [complement(89195..89371)], ORF56f [complement(89343..89513)], ORF107c [complement(89410..89733)], rrn4.5 [89655..89757], ORF47k</p>

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(89904..90047)], rrn5 [89967..90127], ORF103 [complement(90594..90905)], ORF48e [90773..90919], ORF67f [90795..90998], ORF61d [complement(93815..94000)], ORF95c [99352..99639], ORF45g [complement(99780..99917)], ORF43c [complement(99965..100096)], ORF76c [complement(100126..100356)], ORF40v [100129..100251], ORF60g [complement(100494..100676)], ORF55e [complement(100677..100844)], ORF45h [101256..101393], orf88 [complement(101397..101663)], ORF46g [101817..101957], ORF62f [complement(102618..102806)], ORF53h [102758..102919], ORF55f [102976..103143], ORF118 [103830..104186], ORF44n [104023..104157], ORF147 [complement(104436..104879)], ORF67g [complement(105037..105240)], ORF46h [105076..105216], ORF89b [complement(105563..105832)], ORF46i [complement(105814..105954)], ORF42f [105831..105959], ORF40w [106494..106616], ORF41n [106585..106710], ORF42g [complement(107187..107315)], ORF40x [107334..107456], ORF60h [complement(107640..107822)], ORF48f [108447..108593], ORF40y [108649..108771], ORF46j [complement(108926..109066)], ORF40z [complement(109756..109878)], ORF42h [complement(109776..109904)], orf77 [109935..110168], ORF65d [116435..116632], ORF86b [complement(116588..116848)], ORF40ab [116889..117011]
858.	PIKR	2	atpF [complement(11532..12842)], rpoC1 [complement(19685..22455)]
859.	PIMI	4	rrn16 [82247..83736], rrn23 [86252..89052], rrn4.5 [89157..89259], rrn5 [89469..89629]
860.	PINI	8	rrn16 [106111..107601], rrn23 [110014..112816], rrn4.5 [112925..113027], rrn5 [113257..113377], rrn5 [complement(137263..137383)], rrn4.5 [complement(137613..137715)], rrn23 [complement(137817..140619)], rrn16 [complement(143039..144529)]
861.	PIPA	4	rrn16 [85010..86499], rrn23 [89015..91815], rrn4.5 [91920..92022], rrn5 [92232..92392]
862.	PISB	24	trnS [complement(7803..7890)], trnR [9798..9869], trnC [26240..26310], trnD [complement(28714..28787)], trnY [complement(29055..29138)], trnE [complement(29198..29270)], trnR [complement(42561..42634)], trnM [complement(47037..47109)], trnT [complement(49184..49255)], trnM [complement(64229..64302)], trnF [complement(65882..65954)], trnS [complement(68562..68648)], trnG [complement(77046..77116)], trnT [complement(81910..81981)], rrn16 [complement(82228..83717)], rrn23 [complement(86233..89033)], rrn4.5 [complement(89138..89240)], rrn5 [complement(89450..89610)], trnN [complement(90469..90540)], trnL [complement(101924..102003)], trnV [complement(104674..104745)], trnL [108899..108979], trnH [complement(116026..116099)], trnM [116414..116487]
863.	PISI	2	atpF [complement(11683..13008)], rpoC1 [complement(19961..22744)]
864.	PISO	8	rrn16 [92475..93966], rrn23 [96246..99133], rrn4.5 [99229..99323], rrn5 [99551..99671], rrn5 [complement(118019..118139)], rrn4.5 [complement(118367..118461)], rrn23 [complement(118557..121444)], rrn16 [complement(123724..125214)]
865.	PISQ	4	rrn16 [82871..84360], rrn23 [86882..89682], rrn4.5 [89787..89889], rrn5 [90099..90259]
866.	PISY	4	rrn16 [84304..85794], rrn23 [88308..91110], rrn4.5 [91215..91317], rrn5 [91558..91678]
867.	PITH	58	ORF22 [complement(1151..1219)], ORF83 [complement(4400..4651)], ORF45a [complement(6738..6875)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			ORF45b [complement(7379..7516)], ORF48a [7983..8129], ORF33 [8594..8695], ORF59a [complement(9371..9550)], ORF84 [14996..15250], orf88 [complement(27037..27303)], ORF44a [complement(27114..27248)], ORF58 [27317..27493], ORF73a [27451..27672], ORF87 [complement(28111..28374)], ORF126 [28962..29342], ORF46b [complement(30226..30366)], ORF69 [31594..31803], petL [complement(33899..33997)], ORF60 [34279..34461], ORF56a [complement(39194..39364)], ORF119 [complement(40955..41314)], ORF64a [48164..48358], ORF56b [48310..48480], ORF66 [complement(48477..48677)], ORF67a [48829..49032], ORF133 [complement(49144..49545)], ORF57a [complement(49635..49808)], ORF54a [complement(50267..50431)], rps4 [50602..50739], ORF25 [complement(51051..51128)], ORF48b [complement(51599..51745)], ORF57b [52139..52312], ORF52 [complement(55031..55189)], ORF48c [56495..56641], ORF59b [61942..62121], ORF47 [64492..64635], ORF83b [70873..71124], ORF107 [complement(71552..71875)], ORF54b [71651..71815], orf70 [71742..71954], orf77 [complement(83167..83400)], orf82 [complement(83618..83866)], ORF64b [complement(83970..84164)], rrn16 [84340..85830], ORF67b [complement(85831..86034)], ORF50 [complement(85841..85993)], ORF75a [86346..86573], ORF74 [86833..87057], rrn23 [88349..91151], rrn4.5 [91256..91358], rrn5 [91599..91719], orf71 [complement(92296..92511)], ORF51b [92379..92534], ORF1756 [95542..100812], ORF64c [complement(100864..101058)], ORF115 [complement(107810..108157)], ORF103 [108848..109159], ORF56c [complement(109272..109442)], ORF2054 [complement(112617..118781)]
868.	PITI	27	ORF22 [complement(1237..1305)], ORF83 [complement(4488..4739)], ORF33 [8684..8785], ORF84 [15085..15339], ORF29 [26858..26947], orf88 [complement(27117..27383)], ORF87 [complement(28191..28454)], ORF126 [29042..29404], ORF69 [31656..31865], ORF62b [complement(33908..34096)], ORF261 [complement(38328..39113)], ORF184 [complement(39781..40335)], ORF119 [complement(41016..41375)], ORF66 [complement(48539..48739)], ORF133 [complement(49206..49607)], ORF52 [complement(55087..55245)], ORF169 [71369..73295], psbZ [complement(79487..79675)], orf77 [complement(83265..83498)], orf82 [complement(83716..83964)], ORF50 [complement(85939..86091)], orf71 [complement(92396..92611)], ORF1756 [95642..100933], ORF320 [complement(105047..106009)], ORF115 [complement(107932..108279)], ORF103 [108969..109280], ORF2054 [complement(112737..118901)]
869.	PIWA	4	rrn16 [84029..85518], rrn23 [88034..90834], rrn4.5 [90939..91041], rrn5 [91251..91411]
870.	PIYU	1	psaM [51439..51531]
871.	PLIN	13	trnH [complement(1..74)], trnT [31148..31216], psbJ [complement(63809..63931)], ndhB [complement(94294..96496)], rrn16 [100236..101725], rrn23 [103987..106795], rrn4.5 [106895..106997], rrn5 [107243..107363], rrn5 [129059..129179], rrn4.5 [129425..129527], rrn23 [129626..132434], rrn16 [134696..136185], ycf2 [complement(143187..150035)]
872.	PLTE	8	rrn16 [94449..95940], rrn23 [98359..101246], rrn4.5 [101342..101436], rrn5 [101664..101784], rrn5 [complement(119653..119773)], rrn4.5 [complement(120001..120095)], rrn23 [complement(120191..123078)], rrn16 [complement(125497..126988)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
873.	PLTR	44	trnH [complement(4..78)], trnK [complement(1869..4467)], trnQ [complement(7516..7587)], trnS [complement(8774..8861)], trnR [10712..10783], trnC [29259..29339], trnD [complement(32465..32538)], trnY [complement(33006..33089)], trnE [complement(33149..33221)], trnT [33995..34066], trnS [complement(38136..38228)], trnG [39627..39697], trnF [complement(39887..39960)], trnS [48540..48626], trnT [complement(49639..49711)], trnL [50917..51501], trnF [51670..51742], trnV [complement(54710..55382)], trnM [55556..55627], trnW [complement(70342..70415)], trnP [complement(70586..70659)], trnI [complement(90148..90221)], trnL [complement(98125..98205)], trnV [104521..104592], rrn16 [104820..106310], trnI [106605..107632], trnA [107697..108572], rrn23 [108725..111534], rrn4.5 [111636..111738], rrn5 [111969..112089], trnR [112347..112420], trnN [complement(113032..113103)], trnL [118743..118822], trnN [134507..134578], trnR [complement(135190..135263)], rrn5 [complement(135521..135641)], rrn4.5 [complement(135872..135974)], rrn23 [complement(136073..138882)], trnA [complement(139038..139913)], trnI [complement(139978..141005)], rrn16 [complement(141300..142790)], trnV [complement(143018..143089)], trnL [149405..149485], trnI [157389..157462]
874.	POAL	8	rrn16 [101896..103386], rrn23 [105793..108601], rrn4.5 [108700..108802], rrn5 [109032..109152], rrn5 [complement(131972..132092)], rrn4.5 [complement(132322..132424)], rrn23 [complement(132523..135331)], rrn16 [complement(137738..139228)]
875.	POCE	1	trnH [complement(join(156392,1..73))]
876.	POCO	8	rrn16 [106945..108435], rrn23 [110848..113656], rrn4.5 [113758..113860], rrn5 [114080..114204], rrn5 [complement(137979..138099)], rrn4.5 [complement(138323..138425)], rrn23 [complement(138526..141334)], rrn16 [complement(143748..145238)]
877.	PODI	8	rrn16 [95641..97132], rrn23 [99539..102426], rrn4.5 [102526..102620], rrn5 [102853..102973], rrn5 [complement(120725..120845)], rrn4.5 [complement(121078..121172)], rrn23 [complement(121272..124159)], rrn16 [complement(126566..128057)]
878.	POEU	8	rrn16 [102150..103640], rrn23 [106052..108860], rrn4.5 [108959..109061], rrn5 [109290..109410], rrn5 [complement(132246..132366)], rrn4.5 [complement(132595..132697)], rrn23 [complement(132796..135604)], rrn16 [complement(138016..139506)]
879.	POFE	1	trnH [complement(join(156381,1..73))]
880.	POIL	8	rrn16 [103279..104769], rrn23 [107189..109997], rrn4.5 [110096..110198], rrn5 [110428..110548], rrn5 [complement(133394..133514)], rrn4.5 [complement(133744..133846)], rrn23 [complement(133945..136753)], rrn16 [complement(139173..140663)]
881.	POPEN	8	rrn16 [94612..96103], rrn23 [98523..101410], rrn4.5 [101506..101600], rrn5 [101833..101953], rrn5 [complement(119673..119793)], rrn4.5 [complement(120026..120120)], rrn23 [complement(120216..123103)], rrn16 [complement(125523..127014)]
882.	POSN	8	rrn16 [101927..103417], rrn23 [105826..108634], rrn4.5 [108733..108835], rrn5 [109064..109184], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(132290..132410)], rrn4.5 [complement(132639..132741)], rrn23 [complement(132840..135648)], rrn16 [complement(138057..139547)]
883.	POTO	19	trnG [97..156], trnP [complement(4037..4110)], trnL [4226..4305], trnD [22245..22318], trnM [complement(26722..26794)], trnF [complement(30563..30635)], trnT [31903..31975], trnS [complement(33304..33390)], trnM [41634..41705], trnG [41814..41884], trnS [42666..42751], trnW [66415..66494], trnN [96953..97025], trnR [complement(97110..97183)], rrn5 [complement(97378..97498)], rrn4.5 [complement(97821..97923)], rrn23 [complement(98045..100836)], rrn16 [complement(103640..105124)], trnL [112048..112128]
884.	POTR	41	trnH [complement(4..77)], trnQ [complement(5586..5657)], trnS [complement(6876..6963)], trnG [7710..8479], trnR [8706..8777], trnC [27078..27148], trnD [complement(30270..30343)], trnY [complement(30808..30891)], trnE [complement(30951..31023)], trnT [31264..31335], trnS [complement(35441..35530)], trnG [36696..36766], trnM [complement(36938..37011)], trnS [45278..45364], trnT [complement(46482..46554)], trnL [47028..47708], trnF [48021..48093], trnV [complement(51838..52514)], trnM [52678..52750], trnW [complement(66876..66949)], trnP [complement(67177..67250)], trnL [complement(95714..95794)], trnV [102100..102171], rrn16 [102397..103887], trnI [104183..105202], rrn23 [106299..109107], rrn4.5 [109206..109308], rrn5 [109536..109656], trnR [109903..109976], trnN [complement(110668..110739)], trnL [115744..115823], ycf1 [complement(125620..131088)], trnN [131424..131495], trnR [complement(132187..132260)], rrn5 [complement(132507..132627)], rrn4.5 [complement(132855..132957)], rrn23 [complement(133056..135864)], trnI [complement(136961..137980)], rrn16 [complement(138276..139766)], trnV [complement(139992..140063)], trnL [146369..146449]
885.	PRCL	8	rrn16 [100941..102429], rrn23 [104327..107134], rrn4.5 [107136..107233], rrn5 [107469..107580], rrn5 [complement(128784..128895)], rrn4.5 [complement(129127..129224)], rrn23 [complement(129225..132032)], rrn16 [complement(133943..135431)]
886.	PRDU	8	rrn16 [102554..104044], rrn23 [106468..109276], rrn4.5 [109375..109477], rrn5 [109731..109851], rrn5 [complement(133552..133672)], rrn4.5 [complement(133926..134028)], rrn23 [complement(134127..136935)], rrn16 [complement(139359..140849)]
887.	PRGL	8	rrn16 [109040..110530], rrn23 [112948..115757], rrn4.5 [115856..115959], rrn5 [116184..116304], rrn5 [complement(139059..139179)], rrn4.5 [complement(139404..139507)], rrn23 [complement(139606..142415)], rrn16 [complement(144833..146323)]
888.	PRHU	8	rrn16 [complement(102817..104307)], rrn23 [complement(106731..109539)], rrn4.5 [109638..109900], rrn5 [109994..110124], rrn5 [complement(133950..134080)], rrn4.5 [complement(134174..134436)], rrn23 [134535..137343], rrn16 [139767..141257]
889.	PRKA	8	rrn16 [102475..103965], rrn23 [106389..109197], rrn4.5 [109296..109398], rrn5 [109652..109772], rrn5 [complement(133633..133753)], rrn4.5 [complement(134007..134109)], rrn23 [complement(134208..137016)], rrn16 [complement(139440..140930)]
890.	PRMR	8	rrn16 [102981..104471], rrn23 [106895..109703], rrn4.5 [109802..109904], rrn5 [110158..110278], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(134023..134143)], rrn4.5 [complement(134397..134499)], rrn23 [complement(134598..137406)], rrn16 [complement(139830..141320)]
891.	PRMU	8	rrn16 [102559..104049], rrn23 [106473..109281], rrn4.5 [109380..109482], rrn5 [109736..109856], rrn5 [complement(133712..133832)], rrn4.5 [complement(134086..134188)], rrn23 [complement(134287..137095)], rrn16 [complement(139519..141009)]
892.	PRPE	8	rrn16 [102597..104087], rrn23 [106511..109319], rrn4.5 [109418..109520], rrn5 [109774..109894], rrn5 [complement(133693..133813)], rrn4.5 [complement(134067..134169)], rrn23 [complement(134268..137076)], rrn16 [complement(139500..140990)]
893.	PRPO	1	trnG [8650..9416]
894.	PRTA	8	rrn16 [102586..104085], rrn23 [106153..108962], rrn4.5 [109064..109166], rrn5 [109423..109543], rrn5 [complement(132671..132791)], rrn4.5 [complement(133048..133150)], rrn23 [complement(133252..136061)], rrn16 [complement(138129..139628)]
895.	PRTH	8	rrn16 [103061..104551], rrn23 [106965..109774], rrn4.5 [109874..109976], rrn5 [110201..110321], rrn5 [complement(133308..133428)], rrn4.5 [complement(133653..133755)], rrn23 [complement(133854..136663)], rrn16 [complement(139078..140568)]
896.	PRTO	8	rrn16 [103353..104843], rrn23 [107267..110075], rrn4.5 [110174..110276], rrn5 [110499..110619], rrn5 [complement(134368..134488)], rrn4.5 [134711..134813], rrn23 [complement(134912..137720)], rrn16 [complement(140144..141634)]
897.	PRUT	8	rrn16 [101790..103280], rrn23 [105711..108518], rrn4.5 [108617..108719], rrn5 [108973..109093], rrn5 [complement(132189..132309)], rrn4.5 [complement(132563..132665)], rrn23 [complement(132764..135571)], rrn16 [complement(138002..139492)]
898.	PRZI	8	rrn16 [104041..105531], rrn23 [107955..110763], rrn4.5 [110862..110964], rrn5 [111219..111339], rrn5 [complement(134941..135061)], rrn4.5 [complement(135316..135418)], rrn23 [complement(135517..138325)], rrn16 [complement(140749..142239)]
899.	PSAM	4	rrn16 [55935..57425], rrn23 [59936..62737], rrn4.5 [62842..62944], rrn5 [63210..63329]
900.	PSCH	1	clpP [55495..56232]
901.	PSCO	8	rrn16 [95502..96993], rrn23 [99409..102296], rrn4.5 [102396..102490], rrn5 [102723..102843], rrn5 [complement(120555..120675)], rrn4.5 [complement(120908..121002)], rrn23 [complement(121102..123989)], rrn16 [complement(126405..127896)]
902.	PSFA	8	rrn16 [95234..96725], rrn23 [99141..102028], rrn4.5 [102128..102222], rrn5 [102455..102575], rrn5 [complement(120299..120419)], rrn4.5 [complement(120652..120746)], rrn23 [complement(120846..123733)], rrn16 [complement(126149..127640)]
903.	PSLE	8	rrn16 [95156..96647], rrn23 [99066..101947], rrn4.5 [102043..102137], rrn5 [102365..102485], rrn5 [complement(120375..120495)], rrn4.5 [complement(120723..120817)], rrn23 [complement(120913..123794)], rrn16 [complement(126213..127704)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
904.	PSSI	40	trnK [complement(1606..4186)], trnQ [complement(6720..6791)], trnS [complement(8008..8095)], trnP [12713..12786], trnW [12952..13025], trnR [complement(22200..22273)], trnM [complement(26656..26728)], trnT [complement(29080..29151)], trnS [30345..30432], trnE [30962..31034], trnY [31102..31185], trnS [31669..31751], trnY [31763..31840], trnD [32152..32225], trnC [complement(34409..34479)], trnR [complement(50973..51044)], trnG [51279..52175], trnS [52933..53020], trnI [complement(67219..67292)], trnF [complement(69248..69320)], trnL [complement(69690..70250)], trnT [70670..70742], trnM [80340..80413], trnG [complement(80567..80637)], trnS [81294..81380], trnT [complement(85299..85370)], rrn16 [85789..87279], trnI [87654..88707], trnA [88787..89634], rrn23 [89776..92581], rrn4.5 [92686..92788], rrn5 [93035..93155], trnR [93364..93437], trnN [complement(94169..94240)], trnL [complement(107435..107514)], trnP [107670..107743], trnV [complement(110106..110177)], trnL [114704..114784], trnH [complement(121962..122035)], trnI [122339..122412]
905.	PSVI	8	rrn16 [103081..104571], rrn23 [106988..109798], rrn4.5 [109897..109999], rrn5 [110224..110344], rrn5 [complement(133222..133342)], rrn4.5 [complement(133567..133669)], rrn23 [complement(133768..136577)], rrn16 [complement(138995..140485)]
906.	PTDI	1	trnT [complement(46595..46667)]
907.	PTNE	1	trnK [complement(1572..4106)]
908.	PUGR	8	rrn16 [104799..106289], rrn23 [108697..111506], rrn4.5 [111605..111707], rrn5 [111932..112052], rrn5 [complement(135599..135719)], rrn4.5 [complement(135944..136046)], rrn23 [complement(136145..138954)], rrn16 [complement(141362..142852)]
909.	PYPI	1	rrn23 [106840..109648]
910.	PYPY	8	rrn16 [104486..105976], rrn23 [108400..111208], rrn4.5 [111307..111409], rrn5 [111663..111783], rrn5 [complement(135843..135963)], rrn4.5 [complement(136217..136319)], rrn23 [complement(136418..139226)], rrn16 [complement(141650..143140)]
911.	QUAC	8	rrn16 [106583..108073], rrn23 [110485..113294], rrn4.5 [113393..113495], rrn5 [113752..113872], rrn5 [complement(137679..137799)], rrn4.5 [complement(138056..138158)], rrn23 [complement(138257..141066)], rrn16 [complement(143478..144968)]
912.	QUBA	8	rrn16 [106521..108011], rrn23 [110423..113232], rrn4.5 [113331..113433], rrn5 [113690..113810], rrn5 [complement(137604..137724)], rrn4.5 [complement(137981..138083)], rrn23 [complement(138182..140991)], rrn16 [complement(143403..144893)]
913.	QUCH	8	rrn16 [106579..108069], rrn23 [110481..113290], rrn4.5 [113389..113491], rrn5 [113748..113868], rrn5 [complement(137669..137789)], rrn4.5 [complement(138046..138148)], rrn23 [complement(138247..141056)], rrn16 [complement(143468..144958)]
914.	QUDE	9	rpl22 [complement(90025..90144)], rrn16 [106728..108218], rrn23 [110631..113440], rrn4.5 [113539..113641], rrn5 [113898..114018], rrn5 [complement(137793..137913)], rrn4.5 [complement(138170..138272)], rrn23 [complement(138371..141180)], rrn16 [complement(143593..145083)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
915.	QUDO	8	rrn16 [106641..108131], rrn23 [110543..113352], rrn4.5 [113451..113553], rrn5 [113810..113930], rrn5 [complement(137769..137889)], rrn4.5 [complement(138146..138248)], rrn23 [complement(138347..141156)], rrn16 [complement(143568..145058)]
916.	QUGL	8	rrn16 [106382..107872], rrn23 [110285..113094], rrn4.5 [113193..113295], rrn5 [113552..113672], rrn5 [complement(137356..137476)], rrn4.5 [complement(137733..137835)], rrn23 [complement(137934..140743)], rrn16 [complement(143156..144646)]
917.	QUGR	16	trnK [complement(1857..4426)], trnG [10103..11023], trnL [52193..52790], trnV [complement(56982..57660)], rrn16 [107660..109150], trnI [109446..110467], trnA [110532..111407], rrn23 [111560..114372], rrn4.5 [114471..114573], rrn5 [114803..114923], rrn5 [complement(138984..139104)], rrn4.5 [complement(139334..139436)], rrn23 [complement(139535..142347)], trnA [complement(142500..143375)], trnI [complement(143440..144461)], rrn16 [complement(144757..146247)]
918.	QUMO	8	rrn16 [106666..108156], rrn23 [110569..113379], rrn4.5 [113478..113580], rrn5 [113837..113957], rrn5 [complement(137742..137862)], rrn4.5 [complement(138119..138221)], rrn23 [complement(138320..141130)], rrn16 [complement(143543..145033)]
919.	QUOB	8	rrn16 [106341..107831], rrn23 [110244..113053], rrn4.5 [113152..113254], rrn5 [113511..113631], rrn5 [complement(137397..137517)], rrn4.5 [complement(137774..137876)], rrn23 [complement(137975..140784)], rrn16 [complement(143197..144687)]
920.	QURU	8	rrn16 [106741..108231], rrn23 [110642..113451], rrn4.5 [113550..113652], rrn5 [113909..114029], rrn5 [complement(137817..137937)], rrn4.5 [complement(138194..138296)], rrn23 [complement(138395..141204)], rrn16 [complement(143615..145105)]
921.	QUSI	8	rrn16 [106315..107805], rrn23 [110214..113023], rrn4.5 [113122..113224], rrn5 [113481..113601], rrn5 [complement(137235..137355)], rrn4.5 [complement(137612..137714)], rrn23 [complement(137813..140622)], rrn16 [complement(143031..144521)]
922.	QUTA	8	rrn16 [106782..108272], rrn23 [110684..113493], rrn4.5 [113592..113694], rrn5 [113951..114071], rrn5 [complement(137887..138007)], rrn4.5 [complement(138264..138366)], rrn23 [complement(138465..141274)], rrn16 [complement(143686..145176)]
923.	QUTU	8	rrn16 [106293..107783], rrn23 [110195..113004], rrn4.5 [113103..113205], rrn5 [113462..113582], rrn5 [complement(137234..137354)], rrn4.5 [complement(137611..137713)], rrn23 [complement(137812..140621)], rrn16 [complement(143033..144523)]
924.	QUVA	8	rrn16 [106547..108037], rrn23 [110449..113258], rrn4.5 [113357..113459], rrn5 [113716..113836], rrn5 [complement(137629..137749)], rrn4.5 [complement(138006..138108)], rrn23 [complement(138207..141016)], rrn16 [complement(143428..144918)]
925.	QUWU	8	rpl22 [complement(90001..90168)], rrn16 [106752..108242], rrn23 [110655..113464], rrn4.5 [113563..113665], rrn5 [113922..114042], rrn5 [complement(137839..137959)], rrn23 [complement(138417..141226)], rrn16 [complement(143639..145129)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
926.	RAMD	8	rrn16 [110060..111550], rrn23 [113969..116770], rrn4.5 [116876..116978], rrn5 [117191..117311], rrn5 [complement(141016..141136)], rrn4.5 [complement(141349..141451)], rrn23 [complement(141552..144353)], rrn16 [complement(146775..148265)]
927.	RARE	2	trnI-GAU [103625..104611], trnI-GAU [complement(138087..139073)]
928.	RETH	9	rrn16 [107391..108881], rrn23 [111296..114105], rrn4.5 [114204..114306], rrn5 [114569..114689], rrn5 [complement(137663..137783)], rrn4.5 [complement(138046..138148)], rrn23 [complement(138247..141056)], rrn16 [complement(143471..144961)], trnV [complement(145189..145260)]
929.	RHBR	1	trnT [complement(47109..47181)]
930.	RHST	8	rrn16 [101920..103409], rrn23 [105856..108665], rrn4.5 [108765..108867], rrn5 [109116..109236], rrn5 [complement(131676..131796)], rrn4.5 [complement(132045..132147)], rrn23 [complement(132247..135056)], rrn16 [complement(137503..138992)]
931.	RHVI	1	trnT [complement(47411..47483)]
932.	ROCO	8	rrn16 [95095..96586], rrn23 [99006..101893], rrn4.5 [101989..102083], rrn5 [102316..102436], rrn5 [complement(120199..120319)], rrn4.5 [complement(120552..120646)], rrn23 [complement(120742..123629)], rrn16 [complement(126049..127540)]
933.	ROPS	8	rrn16 [102698..104188], rrn23 [106607..109421], rrn4.5 [109520..109623], rrn5 [109839..109959], rrn5 [complement(131049..131169)], rrn4.5 [complement(131385..131488)], rrn23 [complement(131587..134401)], rrn16 [complement(136820..138310)]
934.	RUAL	16	trnK [complement(1851..4417)], trnG [10194..11091], trnL [52135..52744], trnV [complement(56568..57246)], rrn16 [106942..108432], trnI [108728..109750], trnA [109815..110696], rrn23 [110849..113661], rrn4.5 [113760..113862], rrn5 [114092..114212], rrn5 [complement(138334..138454)], rrn4.5 [complement(138684..138786)], rrn23 [complement(138885..141697)], trnA [complement(141850..142731)], trnI [complement(142796..143818)], rrn16 [complement(144114..145604)]
935.	RUTA	1	rpoC1 [complement(20425..23252)]
936.	RYPA	8	rrn16 [89841..91332], rrn23 [93522..96409], rrn4.5 [96505..96599], rrn5 [96837..96957], rrn5 [complement(114700..114820)], rrn4.5 [complement(115058..115152)], rrn23 [complement(115248..118135)], rrn16 [complement(120325..121816)]
937.	RYSE	8	rrn16 [88406..89897], rrn23 [92087..94974], rrn4.5 [95070..95164], rrn5 [95402..95522], rrn5 [complement(113190..113310)], rrn4.5 [complement(113548..113642)], rrn23 [complement(113738..116625)], rrn16 [complement(118815..120306)]
938.	SAAR	8	rrn16 [95977..97467], rrn23 [99887..102774], rrn4.5 [102870..102964], rrn5 [103197..103317], rrn5 [complement(121064..121184)], rrn4.5 [complement(121417..121511)], rrn23 [complement(121607..124494)], rrn16 [complement(126914..128404)]
939.	SABI	37	trnK [complement(1372..3974)], trnQ [complement(6274..6345)], trnS [complement(7524..7611)], trnS [8751..9537], trnR [9675..9746], trnC [27606..27676], trnD [complement(29524..29597)], trnY

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(30018..30101)], trnE [complement(30166..30238)], trnT [30745..30816], trnS [complement(34773..34864)], trnG [35758..35828], trnM [complement(36058..36130)], trnS [44595..44681], trnT [complement(45833..45905)], trnL [46484..47092], trnF [47471..47543], trnC [complement(50637..51310)], trnM [51474..51546], trnW [complement(66101..66174)], trnP [complement(66258..66331)], trnI [complement(85602..85675)], trnL [complement(93147..93227)], trnV [98938..99009], trnE [101019..102039], trnA [102108..103013], trnR [106804..106877], trnN [complement(107488..107559)], trnL [113453..113532], trnN [129223..129294], trnR [complement(129905..129978)], trnA [complement(133769..134674)], trnE [complement(134743..135763)], trnV [complement(137773..137844)], trnL [143555..143635], trnI [151107..151180], trnH [complement(152686..152760)]
940.	SABR	37	trnK [complement(1399..4029)], trnQ [complement(6392..6463)], trnS [complement(7637..7724)], trnS [8986..9775], trnR [9916..9987], trnC [27869..27939], trnD [complement(29789..29862)], trnY [complement(30284..30367)], trnE [complement(30432..30504)], trnT [31011..31082], trnS [complement(35066..35157)], trnG [36051..36121], trnM [complement(36342..36414)], trnS [44900..44986], trnT [complement(46151..46223)], trnL [46733..47340], trnF [47723..47795], trnC [complement(50890..51567)], trnM [51731..51803], trnW [complement(66265..66338)], trnP [complement(66422..66495)], trnI [complement(85757..85830)], trnL [complement(93336..93416)], trnV [99030..99101], trnE [101111..102131], trnA [102200..103105], trnR [106896..106969], trnN [complement(107581..107652)], trnL [113787..113866], trnN [129555..129626], trnR [complement(130238..130311)], trnA [complement(134102..135007)], trnE [complement(135076..136096)], trnV [complement(138106..138177)], trnL [143791..143871], trnI [151377..151450], trnH [complement(152957..153031)]
941.	SACO	8	rrn16 [107965..109455], rrn23 [111864..114676], rrn4.5 [114775..114877], rrn5 [115107..115227], rrn5 [complement(147282..147402)], rrn4.5 [complement(147632..147734)], rrn23 [complement(147833..150645)], rrn16 [complement(153054..154544)]
942.	SADL	8	rrn16 [99377..100866], rrn23 [103131..106091], rrn4.5 [106191..106455], rrn5 [106539..106659], rrn5 [complement(128810..128931)], rrn4.5 [complement(129014..129278)], rrn23 [complement(129377..132186)], rrn16 [134603..136092]
943.	SADO	8	rrn16 [103315..104805], rrn23 [107219..110028], rrn4.5 [110128..110230], rrn5 [110455..110575], rrn5 [complement(133227..133347)], rrn4.5 [complement(133572..133674)], rrn23 [complement(133773..136582)], rrn16 [complement(138997..140487)]
944.	SADU	7	rrn23 [103329..106289], rrn4.5 [106389..106653], rrn5 [106737..106857], rrn5 [complement(129062..129183)], rrn4.5 [complement(129266..129530)], rrn23 [complement(129629..132438)], rrn16 [134855..136344]
945.	SAEU	37	trnK [complement(1395..4017)], trnQ [complement(6303..6379)], trnS [complement(7552..7639)], trnS [8890..9686], trnR [9827..9898], trnC [27792..27862], trnD [complement(29709..29782)], trnY [complement(30204..30287)], trnE [complement(30352..30424)], trnT [30926..30997], trnS

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(34980..35071)], trnG [35965..36035], trnM [complement(36256..36328)], trnS [44826..44912], trnT [complement(46077..46149)], trnL [46663..47269], trnF [47648..47720], trnC [complement(50815..51492)], trnM [51656..51728], trnW [complement(66189..66262)], trnP [complement(66346..66419)], trnI [complement(85684..85757)], trnL [complement(93228..93308)], trnV [98922..98993], trnE [101003..102023], trnA [102092..102997], trnR [106788..106861], trnN [complement(107473..107544)], trnL [113712..113791], trnN [129482..129553], trnR [complement(130165..130238)], trnA [complement(134029..134934)], trnE [complement(135003..136023)], trnV [complement(138033..138104)], trnL [143718..143798], trnI [151268..151341], trnH [complement(152842..152916)]
946.	SAHI	8	rrn16 [95652..97143], rrn23 [99564..102451], rrn4.5 [102547..102641], rrn5 [102874..102994], rrn5 [complement(120748..120868)], rrn4.5 [complement(121101..121195)], rrn23 [complement(121291..124178)], rrn16 [complement(126599..128090)]
947.	SAHO	8	rrn16 [99601..101090], rrn23 [103354..106314], rrn4.5 [106414..106678], rrn5 [106762..106882], rrn5 [complement(129018..129139)], rrn4.5 [complement(129222..129486)], rrn23 [complement(129585..132394)], rrn16 [134810..136299]
948.	SAID	8	rrn16 [94877..96368], rrn23 [98789..101671], rrn4.5 [101767..101861], rrn5 [102089..102209], rrn5 [complement(119963..120083)], rrn4.5 [complement(120311..120405)], rrn23 [complement(120501..123383)], rrn16 [complement(125804..127295)]
949.	SAIS	8	rrn16 [93361..94852], rrn23 [97271..100158], rrn4.5 [100254..100348], rrn5 [100576..100696], rrn5 [complement(118379..118499)], rrn4.5 [complement(118727..118821)], rrn23 [complement(118917..121804)], rrn16 [complement(124223..125714)]
950.	SAIV	44	trnW [complement(11296..11369)], trnP [complement(11534..11607)], trnI [complement(31054..31127)], trnL [complement(38538..38618)], trnV [44852..44923], rrn16 [45152..46641], trnI [46935..47949], trnA [48012..48905], rrn23 [48434..51866], rrn4.5 [51966..52230], rrn5 [52313..52434], trnR [52685..52758], trnN [complement(53224..53296)], trnL [58507..58586], trnN [73713..73785], trnR [complement(74252..74325)], rrn5 [74576..74697], rrn4.5 [74780..75044], rrn23 [75144..78576], trnA [complement(78105..78998)], trnI [complement(79063..80075)], rrn16 [80369..81858], trnV [complement(82087..82158)], trnL [88392..88472], trnI [95883..95956], trnH [complement(98029..98103)], trnK [complement(99765..102293)], trnQ [complement(105161..105232)], trnS [complement(106413..106500)], trnC [107278..107358], trnD [complement(109185..109258)], trnY [complement(109372..109455)], trnE [complement(109508..109581)], trnR [complement(127309..127380)], trnT [128601..128672], trnS [complement(132556..132638)], trnG [133483..133553], trnF [complement(133739..133812)], trnS [142488..142574], trnT [complement(143837..143909)], trnL [144454..144980], trnF [145349..145418], trnV [complement(148742..149390)], trnM [149566..149638]
951.	SAJP	8	rrn16 [99657..101146], rrn23 [103563..106372], rrn4.5 [106471..106573], rrn5 [106819..106939], rrn5 [complement(129179..129299)], rrn4.5 [complement(129545..129647)], rrn23 [complement(129746..132555)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(134973..136462)]
952.	SAKI	8	rrn16 [99544..101033], rrn23 [103450..106259], rrn4.5 [106358..106622], rrn5 [106706..106826], rrn5 [complement(129018..129139)], rrn4.5 [complement(129222..129486)], rrn23 [complement(129585..132394)], rrn16 [134811..136300]
953.	SALE	8	rrn16 [99597..101086], rrn23 [103350..106310], rrn5 [106410..106674], rrn4.5 [106758..106878], rrn5 [complement(128944..129065)], rrn4.5 [complement(129148..129412)], rrn23 [complement(129511..132320)], rrn16 [134736..136225]
954.	SALH	8	rrn16 [99689..101178], rrn23 [103443..106403], rrn4.5 [106503..106767], rrn5 [106851..106971], rrn5 [complement(129083..129204)], rrn4.5 [complement(129287..129551)], rrn23 [complement(129650..132459)], rrn16 [134876..136365]
955.	SAOB	8	rrn16 [99620..101109], rrn23 [103374..106334], rrn4.5 [106434..106698], rrn5 [106782..106902], rrn4.5 [complement(129096..129217)], rrn5 [complement(129300..129564)], rrn23 [complement(129663..132472)], rrn16 [134889..136378]
956.	SAPB	8	rrn16 [99705..101194], rrn23 [103459..106419], rrn4.5 [106519..106783], rrn5 [106867..106987], rrn5 [complement(129178..129299)], rrn4.5 [complement(129382..129646)], rrn23 [complement(129745..132554)], rrn16 [134971..136460]
957.	SAPN	8	rrn16 [103589..105078], rrn23 [107287..110095], rrn4.5 [110197..110299], rrn5 [110556..110676], rrn5 [complement(133824..133944)], rrn4.5 [complement(134201..134303)], rrn23 [complement(134405..137213)], rrn16 [complement(139412..140901)]
958.	SAPO	9	infA [complement(79014..79247)], rrn16 [99569..101058], rrn23 [103475..106284], rrn4.5 [106383..106647], rrn5 [106731..106851], rrn5 [complement(129055..129175)], rrn4.5 [complement(129259..129523)], rrn23 [complement(129622..132431)], rrn16 [complement(134848..136337)]
959.	SAPS	8	rrn16 [99608..101097], rrn23 [103362..106317], rrn4.5 [106416..106680], rrn5 [106764..106884], rrn5 [complement(128980..129101)], rrn4.5 [complement(129184..129448)], rrn23 [complement(129547..132356)], rrn16 [134767..136256]
960.	SAPZ	8	rrn16 [99717..101206], rrn23 [103471..106431], rrn4.5 [106531..106795], rrn5 [106879..106999], rrn5 [complement(129214..129335)], rrn4.5 [complement(129418..129682)], rrn23 [complement(129781..132590)], rrn16 [135007..136496]
961.	SARA	8	rrn16 [102388..103878], rrn23 [106291..109100], rrn4.5 [109200..109302], rrn5 [109527..109647], rrn5 [complement(132522..132642)], rrn4.5 [complement(132867..132969)], rrn23 [complement(133068..135877)], rrn16 [complement(138291..139781)]
962.	SASL	7	rrn16 [99613..101102], rrn23 [103367..106327], rrn4.5 [106427..106691], rrn5 [106775..106895], rrn4.5 [complement(128938..129059)], rrn5 [complement(129142..129406)], rrn23 [complement(129505..132314)]
963.	SASR	1	trnG [9099..9877]
964.	SATD	8	rrn16 [98719..100208], rrn23 [102625..105434], rrn4.5 [105533..105797], rrn5 [105881..106001], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(128039..128160)], rrn4.5 [complement(128243..128507)], rrn23 [complement(128606..131415)], rrn16 [133832..135321]
965.	SATS	8	rrn16 [99634..101123], rrn23 [103539..106348], rrn4.5 [106447..106549], rrn5 [106795..106915], rrn5 [complement(129069..129189)], rrn4.5 [complement(129435..129537)], rrn23 [complement(129636..132445)], rrn16 [complement(134862..136351)]
966.	SCAA	8	rrn16 [89942..91433], rrn23 [93622..96509], rrn4.5 [96605..96699], rrn5 [96937..97057], rrn5 [complement(114709..114829)], rrn4.5 [complement(115067..115161)], rrn23 [complement(115257..118144)], rrn16 [complement(120333..121824)]
967.	SCBR	8	rrn16 [92878..94369], rrn23 [96785..99672], rrn4.5 [99772..99866], rrn5 [100099..100219], rrn5 [complement(118008..118128)], rrn4.5 [complement(118361..118455)], rrn23 [complement(118555..121442)], rrn16 [complement(123858..125349)]
968.	SCCI	8	rrn16 [94327..95818], rrn23 [98238..101125], rrn4.5 [101221..101315], rrn5 [101548..101668], rrn5 [complement(119544..119664)], rrn4.5 [complement(119897..119991)], rrn23 [complement(120087..122974)], rrn16 [complement(125394..126885)]
969.	SCCR	8	rrn16 [102034..103524], rrn23 [105937..108746], rrn4.5 [108846..108948], rrn5 [109170..109290], rrn5 [complement(132140..132260)], rrn4.5 [complement(132482..132584)], rrn23 [complement(132683..135492)], rrn16 [complement(137906..139396)]
970.	SCDN	4	rrn16 [3236..4721], rrn23 [5096..7911], rrn4.5 [7940..8047], rrn5 [8164..8284]
971.	SCEX	8	rrn16 [93341..94832], rrn23 [97248..100135], rrn4.5 [100235..100329], rrn5 [100562..100682], rrn5 [complement(118465..118585)], rrn4.5 [complement(118818..118912)], rrn23 [complement(119012..121899)], rrn16 [complement(124315..125806)]
972.	SCHN	1	trnG [36529..36599]
973.	SCIM	8	rrn16 [94379..95870], rrn23 [98286..101173], rrn4.5 [101273..101367], rrn5 [101600..101720], rrn5 [complement(119611..119731)], rrn4.5 [complement(119964..120058)], rrn23 [complement(120158..123045)], rrn16 [complement(125461..126952)]
974.	SCIN	1	rpl36 [complement(79476..79589)]
975.	SCSA	8	rrn16 [94093..95584], rrn23 [98000..100887], rrn4.5 [100987..101081], rrn5 [101314..101434], rrn5 [complement(119217..119337)], rrn4.5 [complement(119570..119664)], rrn23 [complement(119764..122651)], rrn16 [complement(125067..126558)]
976.	SCSC	8	rrn16 [94091..95582], rrn23 [98002..100889], rrn4.5 [100985..101079], rrn5 [101312..101432], rrn5 [complement(119223..119343)], rrn4.5 [complement(119576..119670)], rrn23 [complement(119766..122653)], rrn16 [complement(125073..126564)]
977.	SCSP	8	rrn16 [94043..95534], rrn23 [97945..100832], rrn4.5 [100932..101026], rrn5 [101254..101374], rrn5 [complement(119170..119290)], rrn4.5 [complement(119518..119612)], rrn23 [complement(119712..122599)], rrn16 [complement(125010..126501)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
978.	SCTE	8	rrn16 [93369..94860], rrn23 [97271..100158], rrn4.5 [100258..100352], rrn5 [100585..100705], rrn5 [complement(118407..118527)], rrn4.5 [complement(118760..118854)], rrn23 [complement(118954..121841)], rrn16 [complement(124252..125743)]
979.	SECE	4	rrn16 [92047..93538], rrn23 [95824..98711], rrn4.5 [98807..98901], rrn5 [99129..99249]
980.	SEIT	8	rrn16 [91756..93247], rrn23 [95668..98555], rrn4.5 [98651..98745], rrn5 [98978..99098], rrn5 [complement(116322..116442)], rrn4.5 [complement(116675..116769)], rrn23 [complement(116865..119752)], rrn16 [complement(122172..123663)]
981.	SERE	8	rrn16 [103602..105092], rrn23 [107506..110315], rrn4.5 [110415..110517], rrn5 [110742..110862], rrn5 [complement(134289..134409)], rrn4.5 [complement(134634..134736)], rrn23 [complement(134835..137644)], rrn16 [complement(140059..141549)]
982.	SESA	8	rrn16 [98364..99853], rrn23 [102255..105063], rrn4.5 [105162..105264], rrn5 [105484..105604], rrn5 [complement(127057..127177)], rrn4.5 [complement(127397..127499)], rrn23 [complement(127598..130406)], rrn16 [complement(132807..134296)]
983.	SETO	8	rrn16 [107661..109151], rrn23 [111569..114378], rrn4.5 [114477..114580], rrn5 [114805..114925], rrn5 [complement(138345..138465)], rrn4.5 [complement(138690..138793)], rrn23 [complement(138892..141701)], rrn16 [complement(144119..145609)]
984.	SHPA	8	trnL-UAA [complement(join(48608..150753,1..48099))], rrn23 [102731..105540], rrn4.5 [105639..105741], rrn5 [105977..106097], rrn5 [complement(128407..128527)], rrn4.5 [complement(128763..128865)], rrn23 [complement(128964..131773)], rrn16 [complement(134177..135667)]
985.	SHZE	7	rrn23 [103290..106099], rrn4.5 [106198..106300], rrn5 [106536..106656], rrn5 [complement(129140..129260)], rrn4.5 [complement(129496..129598)], rrn23 [complement(129697..132506)], rrn16 [complement(134910..136400)]
986.	SIAR	37	trnH [complement(3..75)], trnQ [complement(6481..6552)], trnS [complement(7592..7679)], trnR [9284..9355], trnC [27114..27184], trnD [complement(29539..29612)], trnY [complement(30006..30089)], trnE [complement(30149..30221)], trnT [30780..30851], trnS [complement(34573..34664)], trnG [35670..35740], trnM [complement(35895..35968)], trnS [44015..44101], trnT [complement(45366..45438)], trnF [46996..47068], trnM [51079..51151], trnW [complement(65366..65439)], trnP [complement(65629..65702)], trnM [complement(85535..85608)], trnL [complement(93471..93551)], trnV [99905..99976], rrn16 [complement(100208..101698)], rrn23 [103928..105801], rrn4.5 [complement(106800..106902)], rrn5 [107150..107270], trnR [107524..107597], trnN [complement(108209..108280)], trnL [113416..113495], trnN [128702..128773], trnR [complement(129385..129458)], rrn5 [complement(129712..129832)], rrn4.5 [130080..130182], rrn23 [complement(131181..133054)], rrn16 [135284..136774], trnV [complement(137006..137077)], trnL [143431..143511], trnM [151374..151447]
987.	SIHN	1	trnG [9972..10748]
988.	SILI	5	rrn5 [complement(129849..129969)], rrn4.5 [complement(130217..130319)], rrn23

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(130418..133227)], rrn16 [complement(135411..136901)], trnV [complement(137133..137204)]
989.	SIMA	1	rrn16 [100277..101766]
990.	SOAI	6	rrn16 [100296..101773], rrn23 [104035..107046], rrn5 [107294..107409], rrn5 [complement(128996..129111)], rrn23 [complement(129359..132370)], rrn16 [complement(134632..136109)]
991.	SOBI	8	rrn16 [96034..97525], rrn23 [99946..102833], rrn4.5 [102929..103023], rrn5 [103256..103376], rrn5 [complement(121112..121232)], rrn4.5 [complement(121465..121559)], rrn23 [complement(121655..124542)], rrn16 [complement(126963..128454)]
992.	SOBO	6	rrn16 [99944..101421], rrn23 [103684..106695], rrn5 [106943..107058], rrn5 [complement(128947..129062)], rrn23 [complement(129310..132321)], rrn16 [complement(134584..136061)]
993.	SOBU	8	rrn16 [101844..103343], rrn23 [105538..108347], rrn4.5 [108449..108551], rrn5 [108808..108928], rrn5 [complement(132200..132320)], rrn4.5 [complement(132577..132679)], rrn23 [complement(132781..135590)], rrn16 [complement(137785..139284)]
994.	SOCI	6	rrn16 [100299..101776], rrn23 [104038..107049], rrn5 [107297..107412], rrn5 [complement(129000..129115)], rrn23 [complement(129363..132374)], rrn16 [complement(134636..136113)]
995.	SOCO	8	rrn16 [102053..103542], rrn23 [105747..108556], rrn4.5 [108658..108760], rrn5 [109017..109137], rrn5 [complement(132402..132522)], rrn4.5 [complement(132779..132881)], rrn23 [complement(132983..135792)], rrn16 [complement(137987..139476)]
996.	SOLY	8	rrn16 [101965..103464], rrn23 [105660..108469], rrn4.5 [108571..108673], rrn5 [108930..109050], rrn5 [complement(132288..132408)], rrn4.5 [complement(132665..132767)], rrn23 [complement(132869..135678)], rrn16 [complement(137874..139373)]
997.	SOME	8	rrn16 [100826..102315], rrn23 [104522..107331], rrn4.5 [107433..107535], rrn5 [107792..107912], rrn5 [complement(131131..131251)], rrn4.5 [complement(131508..131610)], rrn23 [complement(131712..134521)], rrn16 [complement(136718..138207)]
998.	SONI	8	rrn16 [101892..103381], rrn23 [105587..108396], rrn4.5 [108498..108600], rrn5 [108857..108977], rrn5 [complement(132266..132386)], rrn4.5 [complement(132643..132745)], rrn23 [complement(132847..135656)], rrn16 [complement(137852..139341)]
999.	SONU	8	rrn16 [95737..97228], rrn23 [99648..102535], rrn4.5 [102631..102725], rrn5 [102959..103079], rrn5 [complement(120890..121010)], rrn4.5 [complement(121244..121338)], rrn23 [complement(121434..124321)], rrn16 [complement(126741..128232)]
1000.	SOPR	8	rrn16 [95396..96887], rrn23 [99308..102195], rrn4.5 [102291..102385], rrn5 [102618..102738], rrn5 [complement(120477..120597)], rrn4.5 [complement(120830..120924)], rrn23 [complement(121020..123907)], rrn16 [complement(126328..127819)]
1001.	SOSD	8	rrn16 [95511..97002], rrn23 [99423..102310], rrn4.5 [102406..102500], rrn5 [102733..102853], rrn5 [complement(120589..120709)], rrn4.5 [complement(120942..121036)], rrn23 [complement(121132..124019)], rrn16 [complement(126440..127931)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
1002.	SOTI	8	rrn16 [95802..97293], rrn23 [99715..102602], rrn4.5 [102698..102792], rrn5 [103025..103145], rrn5 [complement(120912..121032)], rrn4.5 [complement(121265..121359)], rrn23 [complement(121455..124342)], rrn16 [complement(126760..128251)]
1003.	SOTU	8	rrn16 [101797..103296], rrn23 [105491..108299], rrn4.5 [108402..108504], rrn5 [108761..108881], rrn5 [complement(132153..132273)], rrn4.5 [complement(132530..132632)], rrn23 [complement(132734..135542)], rrn16 [complement(137738..139237)]
1004.	SOUL	8	rrn16 [104705..106195], rrn23 [108619..111427], rrn4.5 [111526..111628], rrn5 [111882..112002], rrn5 [complement(135633..135753)], rrn4.5 [complement(136007..136109)], rrn23 [complement(136208..139016)], rrn16 [complement(141440..142930)]
1005.	SPCA	9	ycf3 [complement(42099..44073)], rrn16 [99427..100916], rrn23 [103169..105977], rrn4.5 [106077..106179], rrn5 [106425..106545], rrn5 [complement(128474..128594)], rrn4.5 [128840..128942], rrn23 [complement(129041..131850)], rrn16 [complement(134102..135591)]
1006.	SPOL	25	ORF83 [complement(29409..29660)], ORF22 [complement(42595..42663)], ORF31 [42608..42703], ORF27 [complement(43188..43271)], ORF39 [91354..91473], ORF57 [91797..91970], ORF47 [97056..97199], ORF54 [complement(97339..97503)], trnV [97648..97719], rrn16 [97947..99437], orf72 [100243..100461], rrn23 [101655..104464], rrn4.5 [104580..104682], rrn5 [104945..105065], ORF482 [106348..107793], ORF45protein [112082..112219], rrn5 [complement(128380..128500)], rrn4.5 [complement(128763..128865)], rrn23 [complement(128980..131790)], orf72 [complement(132984..133202)], rrn16 [complement(134008..135498)], ORF54 [135942..136106], ORF47 [complement(136246..136389)], ORF57 [complement(141475..141648)], trnL [141701..141781]
1007.	SPPO	8	rrn16 [108109..109599], rrn23 [111857..114665], rrn4.5 [114767..114869], rrn5 [115102..115222], rrn5 [complement(144789..144909)], rrn4.5 [complement(145142..145244)], rrn23 [complement(145343..148151)], rrn16 [complement(150412..151902)]
1008.	SPST	8	rrn16 [106154..107644], rrn23 [110062..112872], rrn4.5 [112971..113073], rrn5 [113298..113418], rrn5 [complement(137299..137419)], rrn4.5 [complement(137644..137746)], rrn23 [complement(137845..140655)], rrn16 [complement(143073..144563)]
1009.	STAM	8	rrn16 [95736..97226], rrn23 [99657..102543], rrn4.5 [102639..102733], rrn5 [102961..103081], rrn5 [complement(120956..121076)], rrn4.5 [complement(121304..121398)], rrn23 [complement(121494..124380)], rrn16 [complement(126811..128301)]
1010.	STAS	8	rrn16 [95197..96688], rrn23 [99109..102001], rrn4.5 [102097..102191], rrn5 [102419..102539], rrn5 [complement(120401..120521)], rrn4.5 [complement(120749..120843)], rrn23 [complement(120939..123831)], rrn16 [complement(126252..127743)]
1011.	STBI	16	rrn16 [97536..99028], rrn16 [97536..99028], rrn23 [101471..104281], rrn23 [101471..104281], rrn4.5 [104380..104482], rrn4.5 [104380..104482], rrn5 [104707..104827], rrn5 [104707..104827], rrn5 [complement(127053..127173)], rrn5 [complement(127053..127173)], rrn4.5 [complement(127398..127500)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn4.5 [complement(127398..127500)], rrn23 [complement(127599..130409)], rrn23 [complement(127599..130409)], rrn16 [complement(132854..134344)], rrn16 [complement(132854..134344)]
1012.	STBY	16	rrn16 [97075..98567], rrn16 [97075..98567], rrn23 [100999..103809], rrn23 [100999..103809], rrn4.5 [103908..104010], rrn4.5 [103908..104010], rrn5 [104266..104386], rrn5 [104266..104386], rrn5 [complement(126634..126754)], rrn5 [complement(126634..126754)], rrn4.5 [complement(127010..127112)], rrn4.5 [complement(127010..127112)], rrn23 [complement(127211..130021)], rrn23 [complement(127211..130021)], rrn16 [complement(132455..133945)], rrn16 [complement(132455..133945)]
1013.	STCH	16	rrn16 [97550..99042], rrn16 [97550..99042], rrn23 [101485..104295], rrn23 [101485..104295], rrn4.5 [104394..104496], rrn4.5 [104394..104496], rrn5 [104752..104872], rrn5 [104752..104872], rrn5 [complement(127155..127275)], rrn5 [complement(127155..127275)], rrn4.5 [complement(127500..127602)], rrn4.5 [complement(127500..127602)], rrn23 [complement(127701..130511)], rrn23 [complement(127701..130511)], rrn16 [complement(132956..134446)], rrn16 [complement(132956..134446)]
1014.	STCO	16	rrn16 [97554..99046], rrn16 [97554..99046], rrn23 [101489..104299], rrn23 [101489..104299], rrn4.5 [104398..104500], rrn4.5 [104398..104500], rrn5 [104756..104876], rrn5 [104756..104876], rrn5 [complement(127170..127290)], rrn5 [complement(127170..127290)], rrn4.5 [complement(127515..127617)], rrn4.5 [complement(127515..127617)], rrn23 [complement(127716..130526)], rrn23 [complement(127716..130526)], rrn16 [complement(132971..134461)], rrn16 [complement(132971..134461)]
1015.	STGY	8	rrn16 [93618..95109], rrn23 [97541..100428], rrn4.5 [100524..100618], rrn5 [100846..100966], rrn5 [complement(118800..118920)], rrn4.5 [complement(119148..119242)], rrn23 [complement(119338..122225)], rrn16 [complement(124657..126148)]
1016.	STHA	16	rrn16 [97144..98636], rrn16 [97144..98636], rrn23 [101079..103889], rrn23 [101079..103889], rrn4.5 [103988..104090], rrn4.5 [103988..104090], rrn5 [104315..104435], rrn5 [104315..104435], rrn5 [complement(126665..126785)], rrn5 [complement(126665..126785)], rrn4.5 [complement(127010..127112)], rrn4.5 [complement(127010..127112)], rrn23 [complement(127211..130021)], rrn23 [complement(127211..130021)], rrn16 [complement(132466..133956)], rrn16 [complement(132466..133956)]
1017.	STHI	8	rrn16 [92897..94388], rrn23 [96829..99716], rrn4.5 [99812..99906], rrn5 [100134..100254], rrn5 [complement(117910..118030)], rrn4.5 [complement(118258..118352)], rrn23 [complement(118448..121335)], rrn16 [complement(123776..125267)]
1018.	STHM	8	rrn16 [102772..104262], rrn23 [106664..109478], rrn4.5 [109577..109680], rrn5 [109912..110032], rrn5 [complement(132518..132638)], rrn4.5 [complement(132870..132973)], rrn23 [complement(133072..135886)], rrn16 [complement(138288..139778)]
1019.	STJP	8	rrn16 [99759..101249], rrn23 [103648..106462], rrn4.5 [106561..106663], rrn5 [106874..106994], rrn5 [complement(129348..129468)], rrn4.5 [complement(129679..129781)], rrn23 [complement(129880..132694)], rrn16 [complement(135093..136583)]
1020.	STKA	16	rrn16 [97522..99014], rrn16 [97522..99014], rrn23 [101457..104267], rrn23 [101457..104267], rrn4.5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[104366..104468], rrn4.5 [104366..104468], rrn5 [104693..104813], rrn5 [104693..104813], rrn5 [complement(127039..127159)], rrn5 [complement(127039..127159)], rrn4.5 [complement(127384..127486)], rrn4.5 [complement(127384..127486)], rrn23 [complement(127585..130395)], rrn23 [complement(127585..130395)], rrn16 [complement(132840..134330)], rrn16 [complement(132840..134330)]
1021.	STLA	8	rrn16 [94525..96016], rrn23 [98435..101322], rrn4.5 [101418..101512], rrn5 [101740..101860], rrn5 [complement(119778..119898)], rrn4.5 [complement(120126..120220)], rrn23 [complement(120316..123203)], rrn16 [complement(125622..127113)]
1022.	STMI	8	rrn16 [99896..101386], rrn23 [103785..106599], rrn4.5 [106698..106800], rrn5 [107011..107131], rrn5 [complement(129431..129551)], rrn4.5 [complement(129762..129864)], rrn23 [complement(129963..132777)], rrn16 [complement(135176..136666)]
1023.	STQU	45	trnH [complement(join(1..69,159561))], trnK [complement(1861..4460)], trnQ [complement(7553..7624)], trnS [complement(8781..8868)], trnG [9656..10473], trnR [10744..10815], trnC [29434..29504], trnD [complement(32170..32243)], trnY [complement(32668..32751)], trnE [complement(32811..32883)], trnT [33808..33879], trnS [complement(37900..37992)], trnG [39431..39501], trnM [complement(39679..39752)], trnS [48355..48441], trnT [complement(49490..49562)], trnL [50841..51436], trnF [51603..51675], trnV [complement(54601..55278)], trnM [55461..55533], trnW [complement(70367..70440)], trnP [complement(70634..70707)], trnI [complement(90306..90379)], trnL [complement(98241..98321)], trnV [104633..104704], rrn16 [104932..106422], trnI [106717..107739], trnA [107809..108684], rrn23 [108837..111649], rrn4.5 [111748..111850], rrn5 [112075..112195], trnR [112456..112529], trnN [complement(113161..113232)], trnL [118767..118846], trnN [134577..134648], trnR [complement(135280..135353)], rrn5 [complement(135614..135734)], rrn4.5 [complement(135959..136061)], rrn23 [complement(136160..138972)], trnA [complement(139125..140000)], trnI [complement(140071..141093)], rrn16 [complement(141387..142877)], trnV [complement(143105..143176)], trnL [149488..149568], trnI [157430..157503]
1024.	STSC	8	rrn16 [102789..104279], rrn23 [106681..109495], rrn4.5 [109594..109697], rrn5 [109928..110048], rrn5 [complement(132519..132639)], rrn4.5 [complement(132870..132973)], rrn23 [complement(133072..135886)], rrn16 [complement(138288..139778)]
1025.	STSY	16	rrn16 [97514..99006], rrn16 [97514..99006], rrn23 [101441..104251], rrn23 [101441..104251], rrn4.5 [104350..104452], rrn4.5 [104350..104452], rrn5 [104708..104828], rrn5 [104708..104828], rrn5 [complement(127059..127179)], rrn5 [complement(127059..127179)], rrn4.5 [complement(127435..127537)], rrn4.5 [complement(127435..127537)], rrn23 [complement(127636..130446)], rrn23 [complement(127636..130446)], rrn16 [complement(132822..134312)], rrn16 [complement(132822..134312)]
1026.	STTE	8	rrn16 [100136..101625], rrn23 [104068..106877], rrn4.5 [106979..107081], rrn5 [107306..107426], rrn5 [complement(129884..130004)], rrn4.5 [complement(130229..130331)], rrn23 [complement(130430..133239)], rrn16 [complement(135684..137173)]
1027.	STVI	8	rrn16 [102595..104085], rrn23 [106487..109301], rrn4.5 [109400..109503], rrn5 [109734..109854], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(132303..132423)], rrn4.5 [complement(132654..132757)], rrn23 [complement(132856..135670)], rrn16 [complement(138072..139562)]
1028.	SWMA	8	rrn16 [104233..105723], rrn23 [108195..111004], rrn4.5 [111104..111205], rrn5 [111462..111582], rrn5 [complement(134653..134773)], rrn4.5 [135030..135131], rrn23 [complement(135231..138040)], rrn16 [complement(140512..142002)]
1029.	SYFO	45	trnH [complement(179..253)], trnK [complement(2030..4632)], trnQ [complement(7720..7791)], trnS [complement(8986..9073)], trnR [10939..11010], trnC [29579..29659], trnD [complement(32771..32844)], trnY [complement(33285..33368)], trnE [complement(33428..33500)], trnT [34268..34340], trnS [complement(38413..38505)], trnG [39934..40004], trnM [complement(40183..40256)], trnS [48851..48937], trnT [complement(49944..50016)], trnL [51232..51827], trnF [52001..52073], trnV [complement(55024..55692)], trnM [55876..55947], trnT [55881..55939], trnW [complement(70740..70813)], trnP [complement(71009..71082)], trnI [complement(90629..90702)], trnL [complement(98591..98671)], trnV [104956..105027], rrn16 [105255..106745], trnI [107040..108073], trnA [108143..109018], rrn23 [109171..111980], rrn4.5 [112082..112184], rrn5 [112409..112529], trnR [112786..112859], trnN [complement(113478..113549)], trnL [119205..119302], trnN [135008..135079], trnR [complement(135698..135771)], rrn5 [complement(136028..136148)], rrn4.5 [complement(136373..136475)], rrn23 [complement(136574..139383)], trnA [complement(139539..140414)], trnI [complement(140484..141517)], rrn16 [complement(141812..143302)], trnV [complement(143530..143601)], trnL [149886..149966], trnI [157855..157928]
1030.	SYNI	6	trnG [37659..37730], trnI [complement(88435..88509)], trnL [complement(96538..96620)], trnR [110751..110825], trnN [complement(111423..111496)], trnI [156247..156321]
1031.	SYOV	8	rrn16 [103899..105387], rrn23 [107793..110602], rrn4.5 [110701..110803], rrn5 [111060..111180], rrn5 [complement(133685..133805)], rrn4.5 [complement(134062..134164)], rrn23 [complement(134263..137072)], rrn16 [complement(139477..140966)]
1032.	SYPI	1	rrn16 [102175..103665]
1033.	TAAM	12	rrn16 [99567..101056], rrn16 [99568..101057], rrn23 [103304..106113], rrn23 [103305..106113], rrn4.5 [106212..106314], rrn5 [106559..106679], rrn5 [complement(128597..128717)], rrn4.5 [complement(128962..129064)], rrn23 [complement(129163..131972)], rrn23 [complement(129163..131971)], rrn16 [complement(134219..135708)], rrn16 [complement(134220..135709)]
1034.	TABA	4	rrn16 [95188..96701], rrn23 [98942..101785], rrn4.5 [101787..101888], rrn5 [102104..102224]
1035.	TABE	1	clpP [55139..56587]
1036.	TACE	1	clpP [55168..56250]
1037.	TACL	1	clpP [55251..56393]
1038.	TACN	1	clpP [54694..55716]
1039.	TACO	1	clpP [54907..56007]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
1040.	TACU	1	clpP [54820..55887]
1041.	TADI	4	rrn5 [complement(60154..60274)], rrn4.5 [complement(60604..60705)], rrn23 [complement(60707..63562)], rrn16 [complement(65988..67500)]
1042.	TAFO	1	clpP [55078..56496]
1043.	TAFR	1	clpP [54893..55951]
1044.	TAGL	1	clpP [55051..56649]
1045.	TAIN	8	rrn16 [104633..106123], rrn23 [108556..111365], rrn4.5 [111466..111569], rrn5 [111793..111913], rrn5 [complement(135606..135726)], rrn4.5 [complement(135950..136053)], rrn23 [complement(136152..138961)], rrn16 [complement(141396..142886)]
1046.	TAMO	8	rrn16 [99711..101200], rrn23 [103446..106255], rrn4.5 [106354..106456], rrn5 [106701..106821], rrn5 [complement(128683..128803)], rrn4.5 [complement(129048..129160)], rrn23 [complement(129249..132058)], rrn16 [complement(134303..135792)]
1047.	TAOB	8	rrn16 [99530..101019], rrn23 [103267..106076], rrn4.5 [106175..106277], rrn5 [106522..106642], rrn5 [complement(128570..128690)], rrn4.5 [complement(128935..129037)], rrn23 [complement(129136..131944)], rrn16 [complement(134192..135681)]
1048.	TAOF	8	rrn16 [99536..101026], rrn23 [103273..106082], rrn4.5 [106181..106283], rrn5 [106528..106648], rrn5 [complement(128572..128692)], rrn4.5 [complement(128937..129049)], rrn23 [complement(129138..131947)], rrn16 [complement(134194..135684)]
1049.	TAPH	1	clpP [55094..56311]
1050.	TAPL	8	rrn16 [99563..101053], rrn23 [103299..106108], rrn4.5 [106207..106309], rrn5 [106554..106674], rrn5 [complement(128556..128676)], rrn4.5 [complement(128921..129033)], rrn23 [complement(129122..131931)], rrn16 [complement(134177..135667)]
1051.	TASP	4	rrn5 [complement(103075..103195)], rrn4.5 [complement(103420..103522)], rrn23 [complement(103621..106430)], rrn16 [complement(108851..110341)]
1052.	TAWA	1	clpP [54938..55975]
1053.	TEGA	2	trnG [10065..10879], ycf1 [complement(128948..134491)]
1054.	TEGR	1	rpoC2 [complement(17035..21222)]
1055.	TEGU	8	rrn16 [89972..91463], rrn23 [93652..96539], rrn4.5 [96635..96729], rrn5 [96967..97087], rrn5 [complement(114832..114952)], rrn4.5 [complement(115190..115284)], rrn23 [complement(115380..118267)], rrn16 [complement(120456..121947)]
1056.	THAG	8	rrn16 [93488..94979], rrn23 [97400..100287], rrn4.5 [100387..100481], rrn5 [100715..100835], rrn5 [complement(118676..118796)], rrn4.5 [complement(119030..119124)], rrn23 [complement(119224..122111)], rrn16 [complement(124532..126023)]
1057.	THAU	8	rrn16 [94240..95731], rrn23 [98147..101034], rrn4.5 [101134..101228], rrn5 [101461..101581], rrn5 [complement(119583..119703)], rrn4.5 [complement(119936..120030)], rrn23 [complement(120130..123017)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(125433..126924)]
1058.	THLA	8	rrn16 [94941..96432], rrn23 [98858..101745], rrn4.5 [101841..101935], rrn5 [102163..102283], rrn5 [complement(119988..120108)], rrn4.5 [complement(120336..120430)], rrn23 [complement(120526..123413)], rrn16 [complement(125839..127330)]
1059.	THQU	8	rrn16 [93623..95114], rrn23 [97539..100426], rrn4.5 [100522..100616], rrn5 [100850..100970], rrn5 [complement(118817..118937)], rrn4.5 [complement(119171..119265)], rrn23 [complement(119361..122248)], rrn16 [complement(124673..126164)]
1060.	THTR	8	rrn16 [93609..95100], rrn23 [97522..100409], rrn4.5 [100509..100603], rrn5 [100837..100957], rrn5 [complement(118768..118888)], rrn4.5 [complement(119122..119216)], rrn23 [complement(119316..122203)], rrn16 [complement(124625..126116)]
1061.	THVI	8	rrn16 [94247..95738], rrn23 [98154..101041], rrn4.5 [101141..101235], rrn5 [101468..101588], rrn5 [complement(119430..119550)], rrn4.5 [complement(119783..119877)], rrn23 [complement(119977..122864)], rrn16 [complement(125280..126771)]
1062.	THXE	8	rrn16 [95403..96894], rrn23 [99313..102195], rrn4.5 [102291..102385], rrn5 [102613..102733], rrn5 [complement(120553..120673)], rrn4.5 [complement(120901..120995)], rrn23 [complement(121091..123973)], rrn16 [complement(126392..127883)]
1063.	TILO	1	trnT [complement(48155..48227)]
1064.	TOFA	1	rrn5 [109583..109703]
1065.	TOMA	8	rrn16 [87345..88835], rrn23 [89622..92431], rrn4.5 [92538..92639], rrn5 [92865..92985], rrn5 [complement(103549..103669)], rrn4.5 [complement(103895..103996)], rrn23 [complement(104096..106905)], rrn16 [complement(107699..109189)]
1066.	TOPR	1	rrn5 [109553..109673]
1067.	TRAE	8	rrn16 [91051..92542], rrn23 [94823..97710], rrn4.5 [97806..97900], rrn5 [98128..98248], rrn5 [complement(116646..116766)], rrn4.5 [complement(116994..117088)], rrn23 [complement(117184..120071)], rrn16 [complement(122352..123842)]
1068.	TRAM	1	trnT [complement(47764..47836)]
1069.	TRAU	4	rrn16 [43468..44958], rrn23 [47154..49930], rrn4.5 [50034..50137], rrn5 [50367..50487]
1070.	TRBO	5	rrn23 [29782..29829], rrn16 [42591..44081], rrn23 [46283..49059], rrn4.5 [49163..49266], rrn5 [49492..49612]
1071.	TRBR	8	rrn16 [103856..105346], rrn23 [107760..110569], rrn4.5 [110669..110771], rrn5 [110996..111116], rrn5 [complement(133884..134004)], rrn4.5 [complement(134229..134331)], rrn23 [complement(134430..137239)], rrn16 [complement(139654..141144)]
1072.	TRCR	8	rrn16 [103080..104569], rrn23 [106775..109584], rrn4.5 [109686..109788], rrn5 [110045..110165], rrn5 [complement(133360..133480)], rrn4.5 [complement(133737..133839)], rrn23 [complement(133941..136750)], rrn16 [complement(138946..140435)]
1073.	TRDO	8	rrn16 [105589..107079], rrn23 [109490..112299], rrn4.5 [112398..112500], rrn5 [112757..112877], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(136435..136555)], rrn4.5 [complement(136812..136914)], rrn23 [complement(137013..139822)], rrn16 [complement(142233..143723)]
1074.	TRGL	5	rrn16 [71053..72543], rrn23 [74729..77515], rrn4.5 [77557..77658], rrn5 [77879..77999], rrn16 [85098..85171]
1075.	TRGR	5	rrn23 [29858..29905], rrn16 [42687..44177], rrn23 [46375..49151], rrn4.5 [49255..49358], rrn5 [49584..49704]
1076.	TRHI	8	rrn16 [89554..91045], rrn23 [93234..96121], rrn4.5 [96217..96311], rrn5 [96554..96674], rrn5 [complement(114350..114470)], rrn4.5 [complement(114713..114807)], rrn23 [complement(114903..117790)], rrn16 [complement(119979..121470)]
1077.	TRHU	8	rrn16 [93805..95296], rrn23 [97720..100607], rrn4.5 [100703..100797], rrn5 [101025..101145], rrn5 [complement(118980..119100)], rrn4.5 [complement(119328..119422)], rrn23 [complement(119518..122405)], rrn16 [complement(124829..126320)]
1078.	TRLE	8	rrn16 [93613..95104], rrn23 [97529..100416], rrn4.5 [100512..100606], rrn5 [100835..100955], rrn5 [complement(118750..118870)], rrn4.5 [complement(119099..119193)], rrn23 [complement(119289..122176)], rrn16 [complement(124601..126092)]
1079.	TRME	4	rrn16 [81964..83454], rrn23 [85629..88417], rrn4.5 [88527..88630], rrn5 [88848..88968]
1080.	TRMN	8	rrn16 [94326..95817], rrn23 [98256..101143], rrn4.5 [101239..101333], rrn5 [101561..101681], rrn5 [complement(119422..119542)], rrn4.5 [complement(119770..119864)], rrn23 [complement(119960..122847)], rrn16 [complement(125286..126777)]
1081.	TRMO	4	rrn16 [93597..95088], rrn23 [97368..100255], rrn4.5 [100351..100445], rrn5 [100672..100792]
1082.	TRPI	1	psbH [77347..77568]
1083.	TRRA	8	rrn16 [96012..97503], rrn23 [99919..102806], rrn4.5 [102906..103000], rrn5 [103233..103353], rrn5 [complement(121094..121214)], rrn4.5 [complement(121447..121541)], rrn23 [complement(121641..124528)], rrn16 [complement(126944..128435)]
1084.	TRRE	4	rrn16 [104165..105655], rrn23 [107835..110623], rrn4.5 [110737..110840], rrn5 [111066..111186]
1085.	TRST	5	rrn16 [70577..72067], rrn23 [74258..77044], rrn4.5 [77086..77187], rrn5 [77408..77528], rrn16 [84508..84581]
1086.	TRSU	4	rrn5 [complement(91600..91720)], rrn4.5 [complement(91938..92041)], rrn23 [complement(92140..94928)], rrn16 [complement(97116..98606)]
1087.	TRTI	40	trnQ [complement(6315..6387)], trnS [complement(7537..7624)], trnS [complement(11229..11316)], trnG [12140..12210], trnM [complement(12665..12721)], trnT [14743..14814], trnE [15188..15260], trnY [15322..15403], trnD [15756..15829], trnC [complement(18431..18501)], trnR [complement(36076..36147)], trnM [complement(36299..36373)], trnS [44796..44882], trnT [complement(46101..46173)], trnF [47814..47886], trnM [51920..51992], trnW [complement(63740..63813)], trnP [complement(63953..64027)], trnP [complement(63955..64025)], trnH [80720..80794], trnI [complement(82809..82882)], trnL [complement(85266..85346)], trnV [91508..91579], rrn16 [91809..93300], rrn23 [95581..98468], rrn4.5 [98564..98658], rrn5 [98886..99006], trnR [99235..99308], trnN [complement(99582..99653)], trnL [105921..106000], trnN [116761..116832], trnR [complement(117106..117179)], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(117408..117528)], rrn4.5 [complement(117756..117850)], rrn23 [complement(117946..120833)], rrn16 [complement(123114..124605)], trnV [complement(124835..124906)], trnL [131068..131148], trnI [133532..133605], trnH [complement(135620..135694)]
1088.	TRTU	40	trnQ [complement(6305..6377)], trnS [complement(7528..7615)], trnS [complement(11190..11277)], trnG [12101..12171], trnM [complement(12630..12686)], trnT [14647..14718], trnE [15092..15164], trnY [15226..15307], trnD [15675..15748], trnC [complement(18292..18362)], trnR [complement(35931..36002)], trnM [complement(36154..36228)], trnS [44652..44738], trnT [complement(45957..46029)], trnF [47669..47741], trnM [51647..51719], trnW [complement(63463..63536)], trnP [complement(63676..63750)], trnP [complement(63678..63748)], trnH [80425..80499], trnI [complement(82514..82587)], trnL [complement(84960..85040)], trnV [91202..91273], rrn16 [91503..92994], rrn23 [95274..98161], rrn4.5 [98257..98351], rrn5 [98579..98699], trnR [98928..99001], trnN [complement(99275..99346)], trnL [105611..105690], trnN [116451..116522], trnR [complement(116796..116869)], rrn5 [complement(117098..117218)], rrn4.5 [complement(117446..117540)], rrn23 [complement(117636..120523)], rrn16 [complement(122803..124294)], trnV [complement(124524..124595)], trnL [130757..130837], trnI [133210..133283], trnH [complement(135298..135372)]
1089.	TRUR	4	rrn16 [92972..94463], rrn23 [96743..99630], rrn4.5 [99726..99820], rrn5 [100047..100167]
1090.	TRZE	1	rrn16 [complement(98490..99984)]
1091.	TSCH	4	rrn16 [83179..84669], rrn23 [87086..89892], rrn4.5 [89997..90099], rrn5 [90335..90454]
1092.	TSDI	4	rrn16 [83096..84586], rrn23 [87002..89808], rrn4.5 [89913..90015], rrn5 [90251..90370]
1093.	TSSI	4	rrn16 [83069..84559], rrn23 [86983..89789], rrn4.5 [89894..89996], rrn5 [90232..90351]
1094.	TYLA	8	rrn16 [106417..107907], rrn23 [110329..113139], rrn4.5 [113238..113340], rrn5 [113565..113685], rrn5 [complement(137029..137149)], rrn4.5 [complement(137374..137476)], rrn23 [complement(137575..140385)], rrn16 [complement(142807..144297)]
1095.	UNPA	8	rrn16 [91953..93444], rrn23 [95633..98520], rrn4.5 [98616..98710], rrn5 [98938..99058], rrn5 [complement(116908..117028)], rrn4.5 [complement(117256..117350)], rrn23 [complement(117446..120333)], rrn16 [complement(122522..124013)]
1096.	URRE	8	rrn16 [94926..96417], rrn23 [98837..101724], rrn4.5 [101820..101914], rrn5 [102142..102262], rrn5 [complement(120073..120193)], rrn4.5 [complement(120421..120515)], rrn23 [complement(120611..123498)], rrn16 [complement(125918..127409)]
1097.	UTGI	8	rrn16 [97510..99000], rrn23 [101428..104236], rrn4.5 [104335..104439], rrn5 [104664..104784], rrn5 [complement(129148..129268)], rrn4.5 [complement(129493..129597)], rrn23 [complement(129696..132504)], rrn16 [complement(134932..136422)]
1098.	UTMA	16	matK [complement(2116..3636)], rps16 [complement(5295..6400)], ndhK [complement(49927..50751)], accD [57998..59524], rpl16 [complement(81054..82337)], ycf2 [86137..92955], rrn16 [100109..101599], rrn23 [104031..106837], rrn4.5 [106936..107040], rrn5 [107265..107385], ndhF [complement(109432..111753)], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(129720..129840)], rrn4.5 [complement(130065..130169)], rrn23 [complement(130268..133074)], rrn16 [complement(135506..136996)], ycf2 [complement(144150..150968)]
1099.	UTRE	8	rrn16 [14624..16111], rrn23 [18545..21354], rrn4.5 [21455..21557], rrn5 [21784..21904], rrn5 [complement(38886..39006)], rrn4.5 [complement(39231..39333)], rrn23 [complement(39434..42243)], rrn16 [complement(44678..46165)]
1100.	UVMA	8	rrn16 [110838..112328], rrn23 [114729..117532], rrn4.5 [117642..117744], rrn5 [117963..118083], rrn5 [complement(158281..158401)], rrn4.5 [complement(158620..158722)], rrn23 [complement(158821..161624)], rrn16 [complement(164036..165526)]
1101.	VAMN	8	rrn16 [98930..100420], rrn23 [102804..105613], rrn4.5 [105712..105814], rrn5 [106055..106175], rrn5 [complement(128950..129070)], rrn4.5 [complement(129311..129413)], rrn23 [complement(129512..132321)], rrn16 [complement(134705..136195)]
1102.	VEAR	8	rrn16 [102870..104360], rrn23 [106774..109583], rrn4.5 [109683..109785], rrn5 [110010..110130], rrn5 [complement(132712..132832)], rrn4.5 [complement(133057..133159)], rrn23 [complement(133258..136067)], rrn16 [complement(138482..139972)]
1103.	VIAE	8	rrn16 [105763..107253], rrn23 [109671..112473], rrn4.5 [112581..112683], rrn5 [112900..113020], rrn5 [complement(136994..137114)], rrn4.5 [complement(137331..137433)], rrn23 [complement(137532..140334)], rrn16 [complement(142761..144251)]
1104.	VIAL	115	trnH [complement(2..75)], psbA [complement(287..1348)], trnK [complement(1532..4187)], rps16 [complement(4743..6043)], trnQ [complement(6817..6888)], psbK [7134..7322], psbI [7695..7811], trnS [complement(7904..7991)], trnR [8411..8482], atpA [complement(8703..10226)], atpF [complement(10303..11656)], atpH [complement(12025..12276)], atpI [complement(12901..13641)], rps2 [complement(13801..14508)], rpoC2 [complement(14753..18817)], rpoC1 [complement(19009..21824)], rpoB [complement(21851..25054)], trnC [25509..25581], petN [26302..26391], psbM [complement(26804..26920)], trnD [complement(27430..27503)], trnY [complement(27963..28045)], trnE [complement(28110..28182)], trnT [28707..28778], psbD [29532..30593], psbC [30541..31962], trnS [complement(32191..32283)], psbZ [32717..32905], trnG [33119..33189], trnM [complement(33331..33404)], rps14 [complement(33552..33851)], psaB [complement(33988..36195)], psaA [complement(36243..38492)], ycf3 [complement(39138..41268)], trnS [41768..41854], rps4 [complement(42179..42787)], trnT [complement(42976..43048)], trnL [43619..44232], trnF [44501..44573], trnM [44723..44795], atpE [complement(45074..45469)], atpB [complement(45496..46959)], rbcL [47624..49051], accD [49610..51103], psaI [51284..51394], ycf4 [51539..52102], cemA [52597..53301], petA [53492..54469], psbJ [complement(54859..54981)], psbL [complement(55114..55230)], psbF [complement(55253..55372)], psbE [complement(55384..55635)], petL [56497..56592], petG [56760..56873], trnW [complement(56989..57062)], trnP [complement(57294..57367)], psaJ [57735..57875], rps18 [58405..58698], rpl20 [complement(58930..59373)], rps12 [complement(60174..117302)], rps12 [complement(60174..86715)], clpP [complement(60433..62570)], psbB [63152..64675], psbT [64851..64964], psbN [complement(65017..65148)], psbH [65249..65467], petB

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[65604..67031], petD [67201..68422], rpoA [complement(68602..69615)], rps11 [complement(69682..70098)], rpl36 [complement(70287..70397)], rps8 [complement(70602..71015)], rpl14 [complement(71152..71517)], rpl16 [complement(71623..73054)], rps3 [complement(73345..74007)], trnH [74211..74284], rpl22 [complement(74292..74684)], rps19 [complement(74727..75008)], rpl2 [complement(75064..76549)], rpl23 [complement(76563..76853)], trnI [complement(77034..77107)], ycf2 [77196..83975], trnL [complement(84409..84489)], rps7 [complement(85380..85847)], trnV [88498..88569], rrn16 [88792..90289], trnI [90602..91554], trnA [91617..92487], rrn23 [92636..95447], rrn4.5 [95547..95648], rrn5 [95864..95984], trnR [96220..96293], trnN [complement(96886..96957)], rpl32 [97336..97500], trnL [97848..97927], psaC [complement(99217..99462)], rps15 [complement(100169..100396)], ycf1 [complement(100530..105998)], trnN [106250..106321], trnR [complement(106914..106987)], rrn5 [complement(107223..107343)], rrn4.5 [complement(107559..107660)], rrn23 [complement(107760..110564)], trnA [complement(110720..111590)], trnI [complement(111653..112605)], rrn16 [complement(112918..114406)], trnV [complement(114638..114709)], rps7 [117360..117827], trnL [118718..118798], ycf2 [complement(119232..126011)], trnI [126100..126173], rpl23 [126354..126644], rpl2 [126658..128143], rps19 [128199..128480], rpl22 [128523..128915]
1105.	VIAR	8	rrn16 [105803..107293], rrn23 [109711..112513], rrn4.5 [112621..112723], rrn5 [112940..113060], rrn5 [complement(137033..137153)], rrn4.5 [complement(137370..137472)], rrn23 [complement(137571..140373)], rrn16 [complement(142800..144290)]
1106.	VIBA	8	rrn16 [105826..107316], rrn23 [109734..112536], rrn4.5 [112644..112746], rrn5 [112963..113083], rrn5 [complement(137060..137180)], rrn4.5 [complement(137397..137499)], rrn23 [complement(137598..140400)], rrn16 [complement(142827..144317)]
1107.	VIBI	8	rrn16 [105822..107312], rrn23 [109730..112532], rrn4.5 [112640..112742], rrn5 [112959..113079], rrn5 [complement(137052..137172)], rrn4.5 [complement(137389..137491)], rrn23 [complement(137590..140392)], rrn16 [complement(142819..144309)]
1108.	VIBL	8	rrn16 [105828..107318], rrn23 [109736..112538], rrn4.5 [112646..112748], rrn5 [112965..113085], rrn5 [complement(137064..137184)], rrn4.5 [complement(137401..137503)], rrn23 [complement(137602..140404)], rrn16 [complement(142831..144321)]
1109.	VIBR	8	rrn16 [105812..107302], rrn23 [109720..112522], rrn4.5 [112630..112732], rrn5 [112949..113069], rrn5 [complement(137023..137143)], rrn4.5 [complement(137360..137462)], rrn23 [complement(137561..140363)], rrn16 [complement(142790..144280)]
1110.	VIBT	8	rrn16 [105800..107290], rrn23 [109708..112510], rrn4.5 [112618..112720], rrn5 [112937..113057], rrn5 [complement(137019..137139)], rrn4.5 [complement(137356..137458)], rrn23 [complement(137557..140359)], rrn16 [complement(142786..144276)]
1111.	VICA	8	rrn16 [105846..107336], rrn23 [109754..112556], rrn4.5 [112664..112766], rrn5 [112983..113103], rrn5 [complement(137105..137225)], rrn4.5 [complement(137442..137544)], rrn23 [complement(137643..140445)], rrn16 [complement(142872..144362)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
1112.	VICD	8	rrn16 [105863..107353], rrn23 [109771..112573], rrn4.5 [112681..112783], rrn5 [113000..113120], rrn5 [complement(137099..137219)], rrn4.5 [complement(137436..137538)], rrn23 [complement(137637..140439)], rrn16 [complement(142866..144356)]
1113.	VICH	8	rrn16 [105865..107355], rrn23 [109773..112575], rrn4.5 [112683..112785], rrn5 [113002..113122], rrn5 [complement(137095..137215)], rrn4.5 [complement(137432..137534)], rrn23 [complement(137633..140435)], rrn16 [complement(142862..144352)]
1114.	VICI	8	rrn16 [105883..107373], rrn23 [109791..112603], rrn4.5 [112701..112803], rrn5 [113020..113140], rrn5 [complement(137093..137213)], rrn4.5 [complement(137430..137532)], rrn23 [complement(137631..140433)], rrn16 [complement(142860..144350)]
1115.	VICN	8	rrn16 [105862..107352], rrn23 [109770..112572], rrn4.5 [112680..112782], rrn5 [112999..113119], rrn5 [complement(137002..137222)], rrn4.5 [complement(137439..137541)], rrn23 [complement(137640..140442)], rrn16 [complement(142869..144359)]
1116.	VICR	114	rps12 [complement(join(84569..126064,1..59331))], trnH [complement(2..75)], psbA [complement(287..1348)], trnK [complement(1544..4235)], matK [complement(1869..3425)], rps16 [complement(4863..5904)], trnQ [complement(6796..6867)], psbK [7116..7304], psbI [7709..7825], trnS [complement(7936..8023)], trnR [8897..8968], atpA [complement(9133..10659)], atpF [complement(10734..12039)], atpH [complement(12169..12420)], atpI [complement(13008..13748)], rps2 [complement(13888..14595)], rpoC2 [complement(14804..18904)], rpoC1 [complement(19088..21897)], rpoB [complement(21924..25103)], trnC [25571..25643], petN [26489..26578], psbM [complement(27002..27118)], trnD [complement(27523..27596)], trnY [complement(27998..28080)], trnE [complement(28149..28221)], trnT [28804..28875], psbD [29609..30670], psbC [30618..32039], trnS [complement(32268..32360)], psbZ [32767..32955], trnG [33172..33242], trnM [complement(33413..33486)], rps14 [complement(33628..33930)], psaB [complement(34069..36276)], psaA [complement(36309..38558)], ycf3 [complement(38962..41011)], trnS [41498..41584], rps4 [complement(41907..42515)], trnT [complement(42712..42784)], trnL [43347..43916], trnF [44226..44298], trnM [44451..44523], atpE [complement(44791..45186)], atpB [complement(45213..46676)], rbcL [47313..48740], accD [49226..50728], psaI [50904..51014], ycf4 [51179..51742], cemA [52107..52811], petA [52985..53950], psbJ [complement(54325..54447)], psbL [complement(54576..54692)], psbF [complement(54715..54834)], psbE [complement(54846..55097)], petL [55867..55962], petG [56125..56238], trnW [complement(56348..56421)], trnP [complement(56586..56659)], psaJ [56964..57107], rps18 [57548..57817], rpl20 [complement(58069..58458)], rps12 [complement(59218..114720)], clpP [complement(59486..61543)], psbB [62058..63581], psbT [63768..63881], psbN [complement(63956..64087)], petB [64550..66015], petD [66218..67409], rpoA [complement(67605..68615)], rps11 [complement(68675..69094)], rpl36 [complement(69247..69357)], rps8 [complement(69740..70153)], rpl14 [complement(70290..70655)], rpl16 [complement(70788..72299)], rps3 [complement(72505..73164)], rpl22 [complement(73232..73645)], rps19 [complement(73688..73969)], rpl2 [complement(74025..75510)], rpl23 [complement(75524..75814)], trnI [complement(75981..76054)], ycf2

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[76122..82823], trnL [complement(83265..83345)], rps7 [complement(84041..84508)], trnV [86696..86767], rrn16 [86998..88495], trnI [88803..89765], trnA [89828..90676], rrn23 [90821..93621], rrn4.5 [93721..93822], rrn5 [94040..94160], trnR [94374..94447], trnN [complement(94953..95024)], rpl32 [95374..95538], trnL [95976..96055], psaC [complement(97511..97756)], rps15 [complement(98140..98349)], ycf1 [complement(98473..104028)], trnN [104265..104336], trnR [complement(104842..104915)], rrn5 [complement(105129..105249)], rrn4.5 [complement(105467..105568)], rrn23 [complement(105668..108468)], trnA [complement(108613..109461)], trnI [complement(109524..110486)], rrn16 [complement(110794..112291)], trnV [complement(112522..112593)], rps7 [114781..115248], trnL [115944..116024], ycf2 [complement(116466..123167)], trnI [123235..123308], rpl23 [123475..123765], rpl2 [123779..125264], rps19 [125320..125601], rpl22 [125644..126057]
1117.	VICU	1	orf42 [complement(108961..109089)]
1118.	VIDO	8	rrn16 [105829..107319], rrn23 [109737..112539], rrn4.5 [112647..112749], rrn5 [112966..113086], rrn5 [complement(137063..137183)], rrn4.5 [complement(137400..137502)], rrn23 [complement(137601..140403)], rrn16 [complement(142830..144320)]
1119.	VIFI	7	rrn16 [105851..107341], rrn23 [109759..112561], rrn5 [112988..113108], rrn5 [complement(137054..137184)], rrn4.5 [complement(137401..137503)], rrn23 [complement(137602..140404)], rrn16 [complement(142831..144321)]
1120.	VIGI	8	rrn16 [105801..107291], rrn23 [109709..112511], rrn4.5 [112619..112721], rrn5 [112938..113058], rrn5 [complement(137032..137152)], rrn4.5 [complement(137369..137471)], rrn23 [complement(137570..140372)], rrn16 [complement(142799..144289)]
1121.	VIHE	8	rrn16 [105816..107306], rrn23 [109724..112526], rrn4.5 [112634..112736], rrn5 [112953..113073], rrn5 [complement(137034..137154)], rrn4.5 [complement(137371..137473)], rrn23 [complement(137572..140374)], rrn16 [complement(142801..144291)]
1122.	VIJA	8	rrn16 [105772..107262], rrn23 [109680..112482], rrn4.5 [112590..112692], rrn5 [112909..113029], rrn5 [complement(136985..137105)], rrn4.5 [complement(137322..137424)], rrn23 [complement(137523..140325)], rrn16 [complement(142752..144242)]
1123.	VILA	8	rrn16 [105770..107260], rrn23 [109678..112480], rrn4.5 [112588..112690], rrn5 [112907..113027], rrn5 [complement(136983..137103)], rrn4.5 [complement(137320..137422)], rrn23 [complement(137521..140323)], rrn16 [complement(142750..144240)]
1124.	VILB	8	rrn16 [105828..107318], rrn23 [109736..112538], rrn4.5 [112646..112748], rrn5 [112965..113085], rrn5 [complement(137057..137177)], rrn4.5 [complement(137394..137496)], rrn23 [complement(137595..140397)], rrn16 [complement(142824..144314)]
1125.	VIMA	8	rrn16 [96597..98086], rrn23 [100419..103227], rrn4.5 [103326..103428], rrn5 [103653..103773], rrn5 [complement(136657..136777)], rrn4.5 [complement(137002..137104)], rrn23 [complement(137203..140008)], rrn16 [complement(142344..143833)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
1126.	VIMO	8	rrn16 [105826..107316], rrn23 [109734..112536], rrn4.5 [112644..112746], rrn5 [112963..113083], rrn5 [complement(137063..137183)], rrn4.5 [complement(137400..137502)], rrn23 [complement(137601..140403)], rrn16 [complement(142830..144320)]
1127.	VIMU	8	rrn16 [105867..107357], rrn23 [109775..112577], rrn4.5 [112685..112787], rrn5 [113004..113124], rrn5 [complement(137090..137210)], rrn4.5 [complement(137427..137529)], rrn23 [complement(137627..140429)], rrn16 [complement(142856..144346)]
1128.	VIPA	8	rrn16 [105831..107321], rrn23 [109739..112541], rrn4.5 [112649..112751], rrn5 [112968..113088], rrn5 [complement(137062..137182)], rrn4.5 [complement(137399..137501)], rrn23 [complement(137600..140402)], rrn16 [complement(142829..144319)]
1129.	VIPE	8	rrn16 [105830..107320], rrn23 [109738..112540], rrn4.5 [112648..112750], rrn5 [112967..113087], rrn5 [complement(137059..137179)], rrn4.5 [complement(137396..137498)], rrn23 [complement(137597..140399)], rrn16 [complement(142826..144316)]
1130.	VIPH	1	trnL [47729..48295]
1131.	VIPI	8	rrn16 [105819..107309], rrn23 [109727..112529], rrn4.5 [112637..112739], rrn5 [112956..113076], rrn5 [complement(137025..137145)], rrn4.5 [complement(137362..137464)], rrn23 [complement(137563..140365)], rrn16 [complement(142792..144282)]
1132.	VIRD	1	trnL [47735..48297]
1133.	VIRE	8	rrn16 [105837..107327], rrn23 [109745..112547], rrn4.5 [112655..112757], rrn5 [112974..113094], rrn5 [complement(137049..137169)], rrn4.5 [complement(137386..137488)], rrn23 [complement(137587..140389)], rrn16 [complement(142816..144306)]
1134.	VIRF	8	rrn16 [105822..107312], rrn23 [109730..112532], rrn4.5 [112640..112742], rrn5 [112959..113079], rrn5 [complement(137052..137172)], rrn4.5 [complement(137389..137491)], rrn23 [complement(137590..140392)], rrn16 [complement(142819..144309)]
1135.	VIRI	8	rrn16 [105821..107311], rrn23 [109729..112531], rrn4.5 [112639..112741], rrn5 [112958..113078], rrn5 [complement(137053..137173)], rrn4.5 [complement(137390..137492)], rrn23 [complement(137591..140393)], rrn16 [complement(142820..144310)]
1136.	VIRO	8	rrn16 [105742..107232], rrn23 [109650..112452], rrn4.5 [112560..112662], rrn5 [112879..112999], rrn5 [complement(136973..137093)], rrn4.5 [complement(137310..137412)], rrn23 [complement(137511..140313)], rrn16 [complement(142740..144230)]
1137.	VIRU	8	rrn16 [105858..107348], rrn23 [109766..112568], rrn4.5 [112676..112778], rrn5 [112995..113115], rrn5 [complement(137089..137209)], rrn4.5 [complement(137426..137528)], rrn23 [complement(137627..140429)], rrn16 [complement(142856..144346)]
1138.	VISA	4	rrn5 [complement(28470..28590)], rrn4.5 [complement(28822..28924)], rrn23 [complement(29060..31858)], rrn16 [complement(34269..35759)]
1139.	VISH	8	rrn16 [105824..107314], rrn23 [109732..112534], rrn4.5 [112642..112744], rrn5 [112961..113081], rrn5

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			[complement(137057..137177)], rrn4.5 [complement(137394..137496)], rrn23 [complement(137595..140397)], rrn16 [complement(142824..144314)]
1140.	VITH	8	rrn16 [105817..107307], rrn23 [109725..112527], rrn4.5 [112635..112737], rrn5 [112954..113074], rrn5 [complement(137029..137149)], rrn4.5 [complement(137366..137468)], rrn23 [complement(137567..140369)], rrn16 [complement(142796..144286)]
1141.	VITI	8	rrn16 [105814..107304], rrn23 [109722..112524], rrn4.5 [112632..112734], rrn5 [112951..113071], rrn5 [complement(137038..137158)], rrn4.5 [complement(137375..137477)], rrn23 [complement(137576..140378)], rrn16 [complement(142805..144295)]
1142.	VITR	8	rrn16 [105807..107297], rrn23 [109715..112517], rrn4.5 [112625..112727], rrn5 [112944..113064], rrn5 [complement(137036..137156)], rrn4.5 [complement(137373..137475)], rrn23 [complement(137574..140376)], rrn16 [complement(142803..144293)]
1143.	VIUN	6	rrn16 [98260..99750], rrn5 [complement(126574..126694)], rrn4.5 [complement(126923..127026)], rrn23 [complement(127125..129939)], orf56 [130322..130426], rrn16 [complement(132372..133862)]
1144.	VIVI	8	rrn16 [105793..107283], rrn23 [109701..112503], rrn4.5 [112611..112713], rrn5 [112930..113050], rrn5 [complement(137010..137130)], rrn4.5 [complement(137347..137449)], rrn23 [complement(137548..140350)], rrn16 [complement(142777..144267)]
1145.	VIVU	8	rrn16 [105824..107314], rrn23 [109732..112534], rrn4.5 [112642..112744], rrn5 [112961..113081], rrn5 [complement(137053..137173)], rrn4.5 [complement(137390..137492)], rrn23 [complement(137591..140393)], rrn16 [complement(142820..144310)]
1146.	VOAC	16	trnL [53479..54080], trnV [complement(57839..58517)], trnI [complement(93267..93340)], rrn16 [107999..109489], trnI [109784..110807], trnA [110872..111747], rrn23 [111900..114712], rrn4.5 [114811..114913], rrn5 [115143..115263], rrn5 [complement(147298..147418)], rrn4.5 [complement(147648..147750)], rrn23 [complement(147849..150661)], trnA [complement(150814..151689)], trnI [complement(151754..152777)], rrn16 [complement(153072..154562)], trnI [169221..169294]
1147.	WADE	8	rrn16 [104677..106167], rrn23 [108586..111395], rrn4.5 [111495..111597], rrn5 [111822..111942], rrn5 [complement(135123..135243)], rrn4.5 [complement(135468..135570)], rrn23 [complement(135669..138478)], rrn16 [complement(140898..142388)]
1148.	WARO	8	rrn16 [103066..104556], rrn23 [106970..109781], rrn4.5 [109879..109981], rrn5 [110206..110326], rrn5 [complement(133181..133301)], rrn4.5 [complement(133526..133628)], rrn23 [complement(133727..136536)], rrn16 [complement(138951..140441)]
1149.	WHCA	8	rrn16 [93983..95474], rrn23 [97894..100776], rrn4.5 [100872..100966], rrn5 [101194..101314], rrn5 [complement(119063..119183)], rrn4.5 [complement(119411..119505)], rrn23 [complement(119601..122483)], rrn16 [complement(124903..126394)]
1150.	WIFL	4	rrn16 [102583..104166], rrn23 [106569..109375], rrn4.5 [109476..109578], rrn5 [109793..109913]
1151.	WISI	4	rrn16 [102645..104226], rrn23 [106630..109436], rrn4.5 [109542..109643], rrn5 [109858..109978]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
1152.	WOAU	8	rrn16 [108373..109859], rrn23 [112125..114931], rrn4.5 [115030..115132], rrn5 [115365..115485], rrn5 [complement(144674..144794)], rrn4.5 [complement(145027..145129)], rrn23 [complement(145228..148034)], rrn16 [complement(150300..151786)]
1153.	WOLI	8	rrn16 [108755..110245], rrn23 [112514..115323], rrn4.5 [115429..115531], rrn5 [115764..115884], rrn5 [complement(145469..145589)], rrn4.5 [complement(145822..145924)], rrn23 [complement(146028..148837)], rrn16 [complement(151108..152598)]
1154.	XASI	29	trnH [complement(4..78)], trnQ [complement(7347..7418)], trnS [complement(8657..8744)], trnC [9492..9562], trnD [11728..11801], trnY [11915..11998], trnE [12178..12249], trnR [30101..30172], trnT [31307..31384], trnS [complement(35244..35325)], trnG [36187..36257], trnFM [complement(36462..36535)], trnS [45255..45341], trnT [complement(46599..46671)], trnF [48099..48171], trnM [51921..51993], trnW [complement(66190..66263)], trnP [complement(66426..66499)], trnI [complement(85967..86040)], trnL [93377..93457], trnV [99718..99789], trnR [107390..107463], trnN [complement(107935..108006)], trnL [122923..123002], trnN [127727..127798], trnR [complement(128270..128343)], trnV [complement(135944..136015)], trnL [142276..142356], trnI [149693..149766]
1155.	XYGR	8	rrn16 [104580..106070], rrn23 [108542..111351], rrn4.5 [111451..111552], rrn5 [111809..111929], rrn5 [complement(134827..134947)], rrn4.5 [135204..135305], rrn23 [complement(135405..138214)], rrn16 [complement(140686..142176)]
1156.	XYMO	8	rrn16 [104548..106038], rrn23 [108507..111316], rrn4.5 [111416..111517], rrn5 [111774..111894], rrn5 [complement(134747..134867)], rrn4.5 [135124..135225], rrn23 [complement(135325..138134)], rrn16 [complement(140603..142093)]
1157.	XYRU	9	rrn16 [104608..106098], rrn23 [108567..111376], rrn4.5 [111476..111577], rrn5 [111834..111954], rrn5 [complement(134710..134830)], rrn4.5 [135087..135188], rrn23 [complement(135288..138097)], trnI [complement(139241..140271)], rrn16 [complement(140566..142056)]
1158.	YODE	1	trnI-GAU [complement(133770..134795)]
1159.	YUBR	8	rrn16 [103436..104926], rrn23 [107340..110149], rrn4.5 [110248..110350], rrn5 [110572..110692], rrn5 [complement(133622..133742)], rrn4.5 [complement(133964..134066)], rrn23 [complement(134165..136974)], rrn16 [complement(139388..140878)]
1160.	YUFI	8	rrn16 [103242..104732], rrn23 [107146..109956], rrn4.5 [110055..110157], rrn5 [110379..110499], rrn5 [complement(133422..133542)], rrn4.5 [complement(133764..133866)], rrn23 [complement(133965..136774)], rrn16 [complement(139189..140679)]
1161.	YUQU	8	rrn16 [103262..104752], rrn23 [107165..109975], rrn4.5 [110074..110176], rrn5 [110398..110518], rrn5 [complement(133443..133563)], rrn4.5 [complement(133785..133887)], rrn23 [complement(133986..136795)], rrn16 [complement(139209..140699)]
1162.	YUSC	8	rrn16 [103243..104733], rrn23 [107148..109957], rrn4.5 [110056..110158], rrn5 [110380..110500], rrn5 [complement(131766..131886)], rrn4.5 [complement(132108..132210)], rrn23 [complement(132309..135118)],

S.No.	Plant Code	No. of Additions	Gene Name [Location]
			rrn16 [complement(137533..139023)]
1163.	ZAPI	8	rrn16 [102646..104136], rrn23 [106571..109379], rrn4.5 [109478..109580], rrn5 [109805..109925], rrn5 [complement(133570..133690)], rrn4.5 [complement(133915..134017)], rrn23 [complement(134116..136924)], rrn16 [complement(139359..140849)]
1164.	ZASC	8	rrn16 [103844..105334], rrn23 [107770..110578], rrn4.5 [110677..110779], rrn5 [111036..111156], rrn5 [complement(134336..134456)], rrn4.5 [complement(134713..134815)], rrn23 [complement(134914..137722)], rrn16 [complement(140158..141648)]
1165.	ZASI	8	rrn16 [102873..104363], rrn23 [106798..109606], rrn4.5 [109705..109807], rrn5 [110032..110152], rrn5 [complement(133878..133998)], rrn4.5 [complement(134223..134325)], rrn23 [complement(134424..137232)], rrn16 [complement(139667..141157)]
1166.	ZEDI	8	rrn16 [95325..96816], rrn23 [99231..102118], rrn4.5 [102214..102308], rrn5 [102541..102661], rrn5 [complement(120448..120568)], rrn4.5 [complement(120801..120895)], rrn23 [complement(120991..123878)], rrn16 [complement(126293..127784)]
1167.	ZELU	8	rrn16 [95480..96971], rrn23 [99390..102277], rrn4.5 [102373..102467], rrn5 [102700..102820], rrn5 [complement(120590..120710)], rrn4.5 [complement(120943..121037)], rrn23 [complement(121133..124020)], rrn16 [complement(126439..127930)]
1168.	ZEMA	37	ORF69 [complement(14498..14707)], orf75 [complement(82689..82913)], ORF137 [83036..83449], orf46 [85019..85159], ORF34 [85141..85245], ORF241 [85276..86001], ORF139 [86288..86707], ORF38 [86718..86834], ORF99 [87515..87814], ORF173 [87875..88396], orf85 [complement(94364..94621)], rrn16 [95161..96651], ORF133 [97093..97497], ORF49 [98712..98861], rrn23 [99062..101945], rrn4.5 [102041..102135], rrn5 [102366..102486], orf23 [102866..102937], ORF63 [104074..104265], ORF63 [complement(118472..118663)], orf23 [complement(119800..119871)], rrn5 [complement(120251..120371)], rrn4.5 [complement(120602..120696)], rrn23 [complement(120792..123675)], ORF49 [complement(123876..124025)], ORF133 [complement(125240..125644)], rrn16 [complement(126086..127576)], orf85 [128116..128373], ORF58 [128423..128599], ORF173 [complement(134341..134862)], ORF99 [complement(134923..135222)], ORF139 [complement(136030..136449)], ORF241 [complement(136736..137461)], ORF34 [complement(137492..137596)], orf46 [complement(137578..137718)], ORF137 [complement(139288..139701)], orf75 [139824..140048]
1169.	ZEPE	8	rrn16 [95373..96864], rrn23 [99283..102170], rrn4.5 [102266..102360], rrn5 [102593..102713], rrn5 [complement(120492..120612)], rrn4.5 [complement(120845..120939)], rrn23 [complement(121035..123922)], rrn16 [complement(126341..127832)]
1170.	ZEPI	8	rrn16 [94399..95885], rrn23 [98314..101198], rrn4.5 [101294..101388], rrn5 [101617..101737], rrn5 [complement(119614..119734)], rrn4.5 [complement(119963..120057)], rrn23 [complement(120153..123037)], rrn16 [complement(125466..126952)]

S.No.	Plant Code	No. of Additions	Gene Name [Location]
1171.	ZISP	8	rrn16 [102270..103760], rrn23 [106143..108950], rrn4.5 [109062..109164], rrn5 [109393..109513], rrn5 [complement(132330..132450)], rrn4.5 [complement(132679..132781)], rrn23 [complement(132882..135689)], rrn16 [complement(138083..139573)]