Supplementary Table S3: List of products mentioned and gene names assigned to feature records of different plant species

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
1.	16S ribosomal RNA	rrn16	1897	994	ABCH, ABCI, ABCO, ABES, ABGR, ABSI, ACAR, ACBU, ACLO, ACML, ACPS, ACWR, ADMN, AEBI, AECY, AEGE, AEKO, AELO, AESE, AESH, AESP, AETA, AGAD, AGAT, AGST, ALAL, ALDE, ALFA, ALKI, ALNA, ALOB, ALOF, ALOR, ALSA, ALSP, ALTE, ALUL, AMCR, AMMU, AMTR, AMTU, ANAB, ANAI, ANAS, ANBR, ANCH, ANCI, ANCO, ANDI, ANFA, ANFL, ANFV, ANGD, ANGE, ANGR, ANGY, ANLX, ANOC, APAM, APCA, APMU, AQMA, ARAG, ARCA, ARCP, ARDE, ARFU, ARGM, ARHS, ARHU, ARHY, ARLA, ARMI, ARPR, ARPU, ARRU, ARTH, ARVE, ARXA, ASTA, ATSI, AXFI, AXRA, AZIN, AZSE, AZTE, BAAU, BABE, BABR, BAKU, BAOL, BEAM, BEBV, BEKO, BENA, BEPE, BESC, BESE, BINO, BOAL, BODE, BOLA, BOMA, BOSE, BRBR, BRDI, BRHY, BRJU, BRNI, BRVU, BUBI, BUFA, CAAA, CAAZ, CABL, CACA, CACE, CACJ, CACN, CACO, CACV, CACY, CAEC, CAEY, CAFI, CAFR, CAGN, CAGR, CAGU, CAHA, CAJA, CALE, CALI, CALY, CAMI, CAMO, CAOL, CAPE, CAPL, CAPO, CAPU, CARE, CARH, CARN, CASC, CAST, CASY, CATI, CAVE, CEDI, CEJA, CELA, CEPA, CESL, CHBR, CHFO, CHGR, CHHA, CHHU, CHJA, CHJP, CHLA, CHMA, CHNA, CHNI, CHOR, CHPO, CHPR, CHSP, CHSR, CHZI, CIAR, CIDP, CILO, CIMA, CIMI, CIPH, CIRE, CISI, CIVE, CLLO, COAF, COAR, COBE, COBU, COCO, COEX, COFO, COGL, COGU, COHE, COLC, COMA, COMC, COME, COOD, COOF, COPR, COSE, COST, COTE, COTO, COTR, COWI, CRAB, CRCH, CRHA, CRHE, CRJA, CRJP, CRLO, CRMA, CRPA, CUHT, CUHY, CULO, CURO, CYAU, CYBA, CYCO, CYFL, CYHU, CYHY, CYPL, CYWI, DAAE, DABR, DACA, DACL, DADI, DAIM, DAPI, DEKN, DEMO, DEOR, DIAC, DIBA, DICD, DIEL, DIID, DILN, DIOB, DIOR, DISB, DISN, DIVI, DIWI, DIZI, DOHY, DOVI, DRCA, DRPU, DRRO, DUBR, DUOB, DUSO, ECCO, ECFR, ECOR, ECPR, ECST, ECUG, ELGL, ELIN, ELSP, ENCY, ENIM, ENLE, EPAP, EPRO, EPVI, ERAB, ERAG, ERAI, ERAR, ERAV, ERAX, ERBA, ERBR, ERBU, ERCA, ERCH, ERCI, ERCL, ERCO, ERCR, ERDE, ERER, ERFA, ERGL, ERGR, ERJA, ERLA, ERLU, ERMA, ERME, ERMJ, ERML, ERMN, ERMU, ERNO, EROB, EROP, ERPA, ERPI, ERPL, ERRE, ERRU, ERSC, ERSE, ERSH, ERST, ERSU, ERTE, ERTI, ERTO, ERTR, ERWA, EUAR, EUAU, EUBA, EUBI, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUEX, EUFE, EUGA, EUGL, EUGR, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSM, EUSP, EUTI, EUTO, EUTR, EUUM, EUUN, EUVE,

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					FACR, FADI, FAEN, FATA, FEAR, FICA, FIPU, FLIN, FOVU, FRNI, FROR, FRPE, FRSO, GAAP, GAMO, GATE, GATH, GECA, GECE, GEHE, GEOB, GEOE, GEOR, GEPA, GESI, GEVE, GLCH, GLGL, GLGR, GLLI, GLSO, GOAE, GOAR, GOCA, GODA, GOGO, GOHI, GOIN, GOLB, GOMU, GONA, GORA, GORO, GOSH, GOSO, GOTO, GRSU, GUAG, GULE, GYKI, GYMI, GYPE, GYSA, HAAM, HABR, HAHA, HAMA, HAML, HAPE, HEAG, HEAR, HECA, HECN, HECO, HEDB, HEEL, HEFO, HELT, HEME, HEPR, HETR, HEUN, HEWH, HIBA, HIPA, HIRI, HOAT, HOHA, HOIS, HOJU, HOLN, HOPO, HOVE, HOVU, HULU, HYBI, HYDI, HYHA, HYNI, HYRU, HYSE, HYSU, HYVA, HYVE, IDAU, IDPO, ILAN, ILFL, ILHE, ILOL, ILVE, IMCY, IMGL, INTI, IOAU, IOCY, IOEL, IOLE, IONI, IOSA, IOST, IOTI, IPBA, IRMI, IRSA, ISAF, ISAL, ISDI, ISMA, ITOR, JAVU, JOAS, JUCA, JUCO, JUHO, JUMA, JUSI, KAOB, KEME, KESI, KHSE, KRBI, KRLA, LACJ, LACL, LADA, LAGM, LAGR, LAIN, LAJA, LALI, LANI, LAOC, LAOD, LAPA, LAPU, LARA, LASA, LATI, LATR, LAVE, LECU, LEDA, LEFL, LEFO, LEJA, LELI, LEMO, LEPE, LEPR, LESE, LIBA, LIBU, LICI, LICO, LIDI, LIFO, LIHA, LIMB, LISU, LITS, LITU, LIWA, LOKE, LOML, LOSB, LOSI, LUAL, LURC, LUWE, MAFL, MAFR, MAID, MAIN, MAMO, MATE, MATI, MATS, MAVI, MEAB, MECN, MECR, MEDO, MEHY, MELU, MEMA, MEMU, MEPA, METR, METS, MEVI, MEWA, MICO, MISP, MNHE, MOCE, MOEM, MOHY, MOMA, MOMO, MONO, MOOL, MOPA, MOSP, MUOR, MUTE, NAPI, NAPO, NEDE, NEHE, NEJA, NELO, NESU, NIOT, NITA, NIUN, NOAT, NYFR, OCBA, OCTE, ONRA, OPHI, ORAL, ORDI, OREI, ORGA, ORGN, ORGR, ORHU, ORLA, ORLN, ORME, ORMI, ORMY, ORPU, ORRH, ORRI, ORRU, ORSA, ORST, ORTA, OSAL, OTVE, OZBI, PAAB, PAAC, PAAF, PAAU, PABI, PABR, PACI, PACT, PADI, PAED, PAER, PAFI, PAFL, PAFO, PAGE, PAGL, PAIN, PAIO, PAJA, PAJT, PAJU, PALA, PALI, PALT, PALY, PAMC, PAME, PAMI, PAMN, PAMS, PAMU, PANT, PAOB, PAOE, PAOO, PAPA, PAPT, PAPU, PAPY, PAQR, PARE, PARF, PARO, PASB, PASE, PASF, PASI, PASM, PASR, PASS, PATC, PATN, PATT, PAVA, PAVF, PAVI, PAVR, PAVT, PAWA, PAZI, PEAC, PEAL, PEAU, PECH, PECI, PECO, PECR, PECT, PECU, PEDI, PEDO, PEEC, PEEH, PEEN, PEEX, PEFR, PEFU, PEHB, PEHO, PEHY, PEIN, PEIO, PEJA, PEMY, PENA, PEQI, PEQU, PESE, PESP, PEST, PETE, PETI, PETR, PHAE, PHAN, PHAP, PHGR, PHIN, PHKO, PHLN, PHPE, PHPI, PHPU, PHRA, PHSA, PHVE, PIAE, PIAR, PIAU, PIAV, PICE, PIDI, PIEL, PIFU, PIHA, PIKO, PIMI, PINI, PIPA, PISB, PISO, PISQ, PISY, PITH, PIWA, PLIN, PLTE, PLTR, POAL, POCO, PODI, POEU, POIL, POPN,

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S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					POSN, POTR, PRCL, PRDU, PRGL, PRHU, PRKA, PRMR, PRMU, PRPE, PRTA, PRTH, PRTO, PRUT, PRZI, PSAM, PSCO, PSFA, PSLE, PSSI, PSVI, PUGR, PYPY, QUAC, QUBA, QUCH, QUDE, QUDO, QUGL, QUGR, QUMO, QUOB, QURU, QUSI, QUTA, QUTU, QUVA, QUWU, RAMD, RETH, RHST, ROCO, ROPS, RUAL, RYPA, RYSE, SAAR, SACO, SADL, SADO, SADU, SAHI, SAHO, SAID, SAIS, SAJP, SAKI, SALE, SALH, SAOB, SAPB, SAPN, SAPO, SAPS, SAPZ, SARA, SASL, SATD, SATS, SCAA, SCBR, SCCI, SCCR, SCDN, SCEX, SCIM, SCSA, SCSC, SCSP, SCTE, SECE, SEIT, SERE, SESA, SETO, SHPA, SHZE, SIAR, SILI, SIMA, SOAI, SOBI, SOBO, SOBU, SOCI, SOLY, SOME, SONU, SOPR, SOSD, SOTI, SOTU, SOUL, SPCA, SPOL, SPPO, SPST, STAM, STAS, STBI, STBY, STCH, STCO, STGY, STHA, STHI, STHM, STJP, STKA, STLA, STMI, STQU, STSC, STSY, STTE, STVI, SWMA, SYFO, SYOV, SYPI, TAAM, TABA, TADI, TAIN, TAMO, TAOB, TAOF, TAPL, TASP, TEGU, THAG, THAU, THLA, THQU, THTR, THVI, THXE, TOMA, TRAE, TRAU, TRBO, TRBR, TRCR, TRDO, TRGL, TRGR, TRHI, TRHU, TRLE, TRME, TRMN, TRMO, TRRA, TRRE, TRST, TRSU, TRTI, TRTU, TRUR, TRZE, TSCH, TSDI, TSSI, TYLA, UNPA, URRE, UTGI, UTRE, UVMA, VAMN, VEAR, VIAC, VIAE, VIAL, VIAR, VIBA, VIBI, VIBL, VIBR, VIBT, VICA, VICD, VICH, VICI, VICN, VICR, VIDO, VIFI, VIGI, VIHE, VIJA, VILA, VILB, VIMA, VIMO, VIMU, VIPA, VIPE, VIPI, VIRE, VIRF, VIRI, VIRO, VIRU, VISA, VISH, VITH, VITI, VITR, VIUN, VIVI, VIVU, VOAC, WADE, WARO, WHCA, WIFL, WISI, WOAU, WOLI, XYGR, XYMO, XYRU, YUBR, YUFI, YUQU, YUSC, ZAPI, ZASC, ZASI, ZEDI, ZELU, ZEMA, ZEPE, ZEPI, ZISP
2.	16S RNA subunit	rrn16	1	1	COAM
3.	16S small subunit ribosomal RNA	rrn16	2	1	SAIV
4.	23 ribosomal RNA	rrn23	1	1	MOMO
5.	23S ribosomal RNA	rrn23	1885	992	ABCH, ABCI, ABCO, ABES, ABSI, ACAR, ACBU, ACLO, ACML, ACPS, ACWR, ADMN, AEBI, AECY, AEGE, AEKO, AELO, AESE, AESH, AESP, AETA, AGAD, AGAT, AGST, ALAL, ALDE, ALFA, ALKI, ALNA, ALOB, ALOF, ALOR, ALSA, ALSP, ALTE, ALUL, AMCR, AMMU, AMTR, AMTU, ANAB, ANAI, ANAS, ANBR, ANCH, ANCI, ANCO, ANDI, ANFA, ANFL, ANFV, ANGD, ANGE, ANGR, ANGY, ANLX, ANOC, APAM, APCA, APMU, AQMA, ARAG, ARCA, ARCP, ARDE, ARFU, ARGM, ARHS, ARHU, ARHY, ARLA, ARMI, ARPR, ARPU, ARRU, ARTH, ARVE, ARXA, ASTA, ATSI, AXFI, AXRA, AZIN, AZSE, BAAU,

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					BABE, BABR, BAKU, BAOL, BEAM, BEBV, BEKO, BENA, BEPE, BESC, BESE, BINO, BOAL, BODE, BOLA, BOMA, BOSE, BRBR, BRDI, BRHY, BRJU, BRNI, BRVU, BUBI, BUFA, CAAA, CAAZ, CABL, CACA, CACJ, CACN, CACO, CACV, CACY, CAEC, CAEY, CAFI, CAFR, CAGN, CAGR, CAGU, CAHA, CAJA, CALE, CALI, CALY, CAMI, CAMO, CAOL, CAPE, CAPL, CAPO, CAPU, CARE, CARH, CARN, CASC, CAST, CASY, CATI, CAVE, CEDI, CEJA, CELA, CEPA, CESL, CHBR, CHFO, CHGR, CHHA, CHHU, CHJA, CHJP, CHLA, CHMA, CHNA, CHNI, CHOR, CHPO, CHPR, CHSP, CHSR, CHZI, CIAR, CIDP, CILO, CIMA, CIMI, CIPH, CIRE, CISI, CIVE, CLLO, COAF, COAM, COAR, COBE, COBU, COCO, COEX, COGU, COHE, COLC, COMA, COMC, COME, COOD, COOF, COPR, COSA, COSE, COST, COTE, COTO, COTR, COWI, CRAB, CRCH, CRHA, CRHE, CRJA, CRJP, CRLO, CRMA, CRPA, CUHT, CUHY, CULO, CURO, CYAU, CYBA, CYCO, CYFL, CYHU, CYHY, CYPL, CYWI, DAAE, DABR, DACA, DACL, DADI, DAIM, DAPI, DEKE, DEKN, DEMO, DEOR, DIAC, DIBA, DICD, DIEL, DIID, DILN, DIOB, DIOR, DISB, DISN, DIVI, DIWI, DIZI, DOHY, DOVI, DRCA, DRPU, DRRO, DUBR, DUOB, DUSO, ECCO, ECFR, ECOR, ECPR, ECST, ECUG, ELGL, ELIN, ELSP, ENCY, ENIM, ENLE, EPAP, EPRO, EPVI, ERAB, ERAG, ERAI, ERAR, ERAV, ERAX, ERBA, ERBR, ERBU, ERCA, ERCH, ERCI, ERCL, ERCO, ERCR, ERDE, ERER, ERFA, ERGL, ERGR, ERJA, ERLA, ERLU, ERMA, ERME, ERMJ, ERML, ERMN, ERMU, ERNO, EROB, EROP, ERPA, ERPI, ERPL, ERRE, ERRU, ERSC, ERSE, ERSH, ERST, ERSU, ERTE, ERTI, ERTO, ERTR, ERWA, EUAR, EUAU, EUBA, EUBI, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUEX, EUFE, EUGA, EUGL, EUGR, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSM, EUSP, EUTI, EUTO, EUTR, EUUM, EUUN, EUVE, FACR, FADI, FAEN, FATA, FEAR, FICA, FIPU, FLIN, FOVU, FRNI, FROR, FRPE, FRSO, GAAP, GAMO, GATE, GATH, GECA, GECE, GEHE, GEMA, GEOB, GEOE, GEOR, GEPA, GESI, GEVE, GLCH, GLGL, GLGR, GLLI, GLSO, GOAE, GOAR, GOCA, GODA, GOGO, GOHI, GOIN, GOLB, GOMU, GONA, GORA, GORO, GOSH, GOSO, GOTO, GRSU, GUAG, GULE, GYKI, GYMI, GYPE, GYSA, HAAM, HABR, HAHA, HAMA, HAML, HAPE, HEAG, HEAR, HECA, HECN, HECO, HEDB, HEEL, HEFO, HELT, HEME, HEPR, HETR, HEUN, HEWH, HIBA, HIPA, HIRI, HOAT, HOHA, HOIS, HOJU, HOLN, HOPO, HOVE, HOVU, HULU, HYBI, HYDI, HYHA, HYNI, HYRU, HYSE, HYSU, HYVA, HYVE, IDAU, IDPO, ILAN, ILFL, ILHE, ILOL, ILVE, IMCY, IMGL, INTI, IOAU, IOCY, IOEL, IOLE,

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					IONI, IOSA, IOST, IOTI, IOUM, IPBA, IRMI, IRSA, ISAF, ISAL, ISDI, ISMA, ITOR, JAVU, JOAS, JUCA, JUCO, JUHO, JUMA, JUSI, KAOB, KEME, KESI, KHSE, KRBI, KRLA, LACJ, LACL, LADA, LAGM, LAGR, LAIN, LAJA, LALI, LANI, LAOC, LAOD, LAPA, LAPU, LARA, LASA, LATI, LATR, LAVE, LECU, LEDA, LEFL, LEFO, LEJA, LELI, LEMO, LEPE, LEPR, LESE, LIBA, LICI, LICO, LIDI, LIFO, LIHA, LIMB, LIPH, LISU, LITS, LITU, LOKE, LOML, LOSB, LOSI, LUAL, LURC, LUWE, MAFL, MAFR, MAID, MAIN, MAMO, MATE, MATI, MATS, MAVI, MEAB, MECN, MECR, MEDO, MEHY, MELU, MEMA, MEMU, MEPA, METR, METS, MEVI, MEWA, MICO, MISP, MNHE, MOCE, MOEM, MOHY, MOMA, MOMO, MONO, MOOL, MOPA, MOSP, MUOR, MUTE, NAPI, NAPO, NEDE, NEHE, NEJA, NELO, NESU, NIOT, NITA, NOAT, NYFR, OCBA, OCTE, ONRA, OPHI, ORAL, ORCR, ORDI, OREI, ORGA, ORGN, ORGR, ORHU, ORLA, ORLN, ORME, ORMI, ORMY, ORPU, ORRH, ORRI, ORRU, ORSA, ORST, ORTA, OSAL, OTVE, OZBI, PAAB, PAAC, PAAF, PAAU, PABI, PABR, PACI, PACT, PADI, PAED, PAER, PAFI, PAFL, PAFO, PAGE, PAGL, PAIN, PAIO, PAJA, PAJT, PAJU, PALA, PALI, PALT, PALY, PAMC, PAME, PAMI, PAMN, PAMS, PAMU, PANT, PAOB, PAOE, PAOO, PAPA, PAPT, PAPU, PAPY, PAQR, PARE, PARF, PARO, PASB, PASE, PASF, PASI, PASM, PASR, PASS, PATC, PATN, PATT, PAVA, PAVF, PAVI, PAVR, PAVT, PAWA, PAZI, PEAC, PEAL, PEAU, PECH, PECI, PECO, PECR, PECT, PECU, PEDI, PEDO, PEEC, PEEH, PEEX, PEFR, PEFU, PEHB, PEHY, PEIN, PEIO, PEJA, PEMY, PENA, PEQI, PEQU, PESE, PESP, PEST, PETE, PETI, PETR, PHAE, PHAN, PHAP, PHGR, PHIN, PHKO, PHLN, PHPE, PHPI, PHPU, PHRA, PHSA, PHVE, PIAE, PIAR, PIAU, PIAV, PICE, PIDI, PIEH, PIEL, PIFU, PIHA, PIKO, PIMI, PINI, PIPA, PISB, PISO, PISQ, PISY, PITH, PIWA, PLIN, PLTE, PLTR, POAL, POCO, PODI, POEU, POIL, POPN, POSN, POTR, PRCL, PRDU, PRGL, PRHU, PRKA, PRMR, PRMU, PRPE, PRTA, PRTH, PRTO, PRUT, PRZI, PSAM, PSCO, PSFA, PSLE, PSSI, PSVI, PUGR, PYPI, PYPY, QUAC, QUBA, QUCH, QUDE, QUDO, QUGL, QUGR, QUMO, QUOB, QURU, QUSI, QUTA, QUTU, QUVA, QUWU, RAMD, RETH, RHST, ROCO, ROPS, RUAL, RYPA, RYSE, SAAR, SACO, SADL, SADO, SADU, SAHI, SAHO, SAID, SAIS, SAIV, SAJP, SAKI, SALE, SALH, SAOB, SAPB, SAPN, SAPO, SAPS, SAPZ, SARA, SASL, SATD, SATS, SCAA, SCBR, SCCI, SCCR, SCDN, SCEX, SCIM, SCSA, SCSC, SCSP, SCTE, SECE, SEIT, SERE, SESA, SETO, SHPA, SHZE, SIAR, SILI, SOAI, SOBI, SOBO, SOBU, SOCI, SOLY, SOME, SONU, SOPR, SOSD, SOTI, SOTU, SOUL, SPCA, SPOL, SPPO, SPST, STAM,

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					STAS, STBI, STBY, STCH, STCO, STGY, STHA, STHI, STHM, STJP, STKA, STLA, STMI, STQU, STSC, STSY, STTE, STVI, SWMA, SYFO, SYOV, TAAM, TABA, TADI, TAIN, TAMO, TAOB, TAOF, TAPL, TASP, TEGU, THAG, THAU, THLA, THQU, THTR, THVI, THXE, TOMA, TRAE, TRAU, TRBO, TRBR, TRCR, TRDO, TRGL, TRGR, TRHI, TRHU, TRLE, TRME, TRMN, TRMO, TRRA, TRRE, TRST, TRSU, TRTI, TRTU, TRUR, TSCH, TSDI, TSSI, TYLA, UNPA, URRE, UTGI, UTMA, UTRE, UVMA, VAMN, VEAR, VIAC, VIAE, VIAL, VIAR, VIBA, VIBI, VIBL, VIBR, VIBT, VICA, VICD, VICH, VICI, VICN, VICR, VIDO, VIFI, VIGI, VIHE, VIJA, VILA, VILB, VIMA, VIMO, VIMU, VIPA, VIPE, VIPI, VIRE, VIRF, VIRI, VIRO, VIRU, VISA, VISH, VITH, VITI, VITR, VIUN, VIVI, VIVU, VOAC, WADE, WARO, WHCA, WIFL, WISI, WOAU, WOLI, XYGR, XYMO, XYRU, YUBR, YUFI, YUQU, YUSC, ZAPI, ZASC, ZASI, ZEDI, ZELU, ZEMA, ZEPE, ZEPI, ZISP
6.	4.5 ribosomal RNA	rrn4.5	22	14	APCA, BOLA, BRJU, COAF, COAM, DOHY, NIOT, ORCR, ORGR, ORMI, PHAP, PHPU, PHRA, ZEMA
7.	4.5S ribosomal RNA	rrn4.5	1845	973	ABCH, ABCI, ABCO, ABES, ABSI, ACAR, ACBU, ACLO, ACPS, ACWR, ADMN, AEBI, AECY, AEGE, AEKO, AELO, AESE, AESH, AESP, AETA, AGAD, AGAT, AGST, ALAL, ALDE, ALFA, ALKI, ALNA, ALOB, ALOF, ALOR, ALSA, ALSP, ALTE, ALUL, AMCR, AMMU, AMTR, AMTU, ANAB, ANAI, ANAS, ANBR, ANCH, ANCI, ANCO, ANDI, ANFA, ANFL, ANFV, ANGD, ANGE, ANGR, ANGY, ANLX, ANOC, APAM, APMU, AQMA, ARAG, ARCA, ARCP, ARDE, ARFU, ARGM, ARHS, ARHU, ARHY, ARLA, ARMI, ARPR, ARPU, ARRU, ARTH, ARVE, ARXA, ASTA, ATSI, AXFI, AXRA, AZIN, AZSE, AZTE, BAAU, BABE, BABR, BAKU, BAOL, BEAM, BEBV, BEKO, BENA, BEPE, BESC, BESE, BINO, BOAL, BODE, BOMA, BOSE, BRBR, BRDI, BRHY, BRNI, BRVU, BUBI, BUFA, CAAA, CAAZ, CABL, CACA, CACJ, CACN, CACO, CACV, CACY, CAEC, CAEY, CAFI, CAFR, CAGN, CAGR, CAGU, CAHA, CAJA, CALE, CALI, CALY, CAMI, CAMO, CAOL, CAPE, CAPL, CAPO, CAPU, CARE, CARH, CARN, CASC, CAST, CASY, CATI, CAVE, CEDI, CEJA, CELA, CEPA, CESL, CHBR, CHFO, CHGR, CHHA, CHHU, CHJA, CHJP, CHLA, CHMA, CHNA, CHNI, CHOR, CHPO, CHPR, CHSP, CHSR, CHZI, CIAR, CIDP, CILO, CIMA, CIMI, CIPH, CIRE, CISI, CIVE, CLLO, COAR, COBE, COBU, COCO, COEX, COGU, COHE, COLC, COMA, COMC, COME, COOD, COOF, COPR, COSE, COST, COTE, COTO, COTR, COWI, CRAB, CRCH, CRHA, CRHE, CRJA, CRJP, CRLO, CRMA, CRPA, CUHT, CUHY, CULO, CURO, CYAU, CYBA, CYCO, CYFL, CYHU, CYHY, CYPL, CYWI,

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					DAAE, DABR, DACA, DACL, DADI, DAIM, DAPI, DEKE, DEKN, DEMO, DEOR, DIAC, DIBA, DICD, DIEL, DIID, DILN, DIOB, DIOR, DISB, DISN, DIVI, DIWI, DIZI, DOVI, DRCA, DRPU, DRRO, DUBR, DUOB, DUSO, ECCO, ECFR, ECOR, ECPR, ECST, ECUG, ELGL, ELIN, ELSP, ENCY, ENIM, ENLE, EPAP, EPRO, EPVI, ERAB, ERAG, ERAI, ERAR, ERAV, ERAX, ERBA, ERBR, ERBU, ERCA, ERCH, ERCI, ERCL, ERCO, ERCR, ERDE, ERER, ERFA, ERGL, ERGR, ERJA, ERLA, ERLU, ERMA, ERME, ERMJ, ERML, ERMN, ERMU, EROB, EROP, ERPA, ERPI, ERPL, ERRE, ERRU, ERSC, ERSE, ERSH, ERST, ERSU, ERTE, ERTI, ERTO, ERTR, ERWA, EUAR, EUAU, EUBA, EUBI, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUEX, EUFE, EUGA, EUGL, EUGR, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSM, EUSP, EUTI, EUTO, EUTR, EUUM, EUUN, EUVE, FACR, FADI, FAEN, FATA, FEAR, FICA, FIPU, FLIN, FOVU, FRNI, FROR, FRPE, FRSO, GAAP, GAMO, GATE, GATH, GECA, GECE, GEHE, GEMA, GEOB, GEOE, GEOR, GEPA, GESI, GEVE, GLCH, GLGL, GLGR, GLLI, GLSO, GOAE, GOAR, GOCA, GODA, GOGO, GOHI, GOIN, GOLB, GOMU, GONA, GORA, GORO, GOSH, GOSO, GOTO, GRSU, GUAG, GULE, GYKI, GYMI, GYPE, GYSA, HAAM, HABR, HAHA, HAMA, HAML, HAPE, HEAG, HEAR, HECA, HECN, HECO, HEDB, HEEL, HEFO, HELT, HEME, HEPR, HETR, HEUN, HEWH, HIBA, HIPA, HIRI, HOAT, HOHA, HOIS, HOJU, HOLN, HOPO, HOVE, HOVU, HULU, HYBI, HYDI, HYHA, HYHY, HYNI, HYRU, HYSE, HYSU, HYVA, HYVE, IDAU, IDPO, ILAN, ILFL, ILHE, ILOL, ILVE, IMCY, IMGL, INTI, IOAU, IOCY, IOEL, IOLE, IONI, IOSA, IOST, IOTI, IOUM, IPBA, IRMI, IRSA, ISAF, ISAL, ISDI, ISMA, ITOR, JAVU, JOAS, JUCA, JUCO, JUHO, JUMA, JUSI, KAOB, KEME, KESI, KHSE, KRBI, KRLA, LACJ, LACL, LADA, LAGM, LAGR, LAIN, LAJA, LALI, LANI, LAOC, LAOD, LAPA, LAPU, LARA, LASA, LATI, LATR, LAVE, LECU, LEDA, LEFL, LEFO, LEJA, LELI, LEMO, LEPE, LEPR, LESE, LIBA, LIBU, LICI, LICO, LIDI, LIFO, LIHA, LIMB, LIPH, LISU, LITS, LITU, LIWA, LOKE, LOML, LOSB, LOSI, LUAL, LURC, LUWE, MAFL, MAFR, MAID, MAIN, MAMO, MATE, MATI, MATS, MAVI, MEAB, MECN, MECR, MEDO, MEHY, MELU, MEMA, MEMU, MEPA, METR, METS, MEVI, MEWA, MICO, MISP, MNHE, MOCE, MOEM, MOHY, MOMA, MOMO, MONO, MOOL, MOPA, MOSP, MUOR, MUTE, NAPI, NAPO, NEDE, NEHE, NEJA, NELO, NESU, NITA, NOAT, NYFR, OCBA, OCTE, ONRA, OPHI, ORAL, ORDI, OREI, ORGA, ORGN, ORHU, ORLA, ORLN, ORME, ORMY, ORPU, ORRH, ORRI, ORRU, ORSA,

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					ORST, ORTA, OSAL, OTVE, OZBI, PAAC, PAAF, PAAU, PABI, PABR, PACI, PACT, PADI, PAED, PAER, PAFI, PAFL, PAFO, PAGE, PAGL, PAIN, PAIO, PAJA, PAJT, PAJU, PALA, PALI, PALT, PALY, PAMC, PAME, PAMI, PAMN, PAMS, PAMU, PANT, PAOB, PAOE, PAOO, PAPA, PAPT, PAPU, PAPY, PAQR, PARE, PARO, PASB, PASE, PASF, PASI, PASM, PASR, PASS, PATC, PATN, PATT, PAVA, PAVF, PAVI, PAVR, PAVT, PAWA, PAZI, PEAC, PEAL, PEAU, PECH, PECI, PECO, PECR, PECT, PECU, PEDI, PEDO, PEEC, PEEH, PEEX, PEFR, PEFU, PEHB, PEHY, PEIN, PEIO, PEJA, PEMY, PENA, PEQI, PEQU, PESE, PESP, PEST, PETE, PETI, PETR, PHAE, PHAN, PHAP, PHGR, PHIN, PHKO, PHLN, PHPE, PHPI, PHSA, PHTA, PHVE, PIAR, PIAU, PIAV, PICE, PIDI, PIEH, PIEL, PIFU, PIKO, PIMI, PINI, PIPA, PISB, PISO, PISQ, PISY, PITH, PIWA, PLIN, PLTE, PLTR, POAL, POCO, PODI, POEU, POIL, POPN, POSN, POTR, PRCL, PRDU, PRGL, PRHU, PRKA, PRMR, PRMU, PRPE, PRTA, PRTH, PRTO, PRUT, PRZI, PSAM, PSCO, PSFA, PSLE, PSSI, PSVI, PUGR, PYPY, QUAC, QUBA, QUCH, QUDE, QUDO, QUGL, QUGR, QUMO, QUOB, QURU, QUSI, QUTA, QUTU, QUVA, QUWU, RAMD, RETH, RHST, ROCO, ROPS, RUAL, RYPA, RYSE, SAAR, SACO, SADL, SADO, SADU, SAHI, SAHO, SAID, SAIS, SAJP, SAKI, SALE, SALH, SAOB, SAPB, SAPN, SAPO, SAPS, SAPZ, SARA, SASL, SATD, SATS, SCAA, SCBR, SCCI, SCCR, SCDN, SCEX, SCIM, SCSA, SCSC, SCSP, SCTE, SECE, SEIT, SERE, SESA, SETO, SHPA, SHZE, SIAR, SILI, SOBI, SOBU, SOLY, SOME, SONU, SOPR, SOSD, SOTI, SOTU, SOUL, SPCA, SPOL, SPPO, SPST, STAM, STAS, STBI, STBY, STCH, STCO, STGY, STHA, STHI, STHM, STJP, STKA, STLA, STMI, STQU, STSC, STSY, STTE, STVI, SWMA, SYFO, SYOV, TAAM, TABA, TADI, TAIN, TAMO, TAOB, TAOF, TAPL, TASP, TEGU, THAG, THAU, THLA, THQU, THTR, THVI, THXE, TOMA, TRAE, TRAU, TRBO, TRBR, TRCR, TRDO, TRGL, TRGR, TRHI, TRHU, TRLE, TRME, TRMN, TRMO, TRRA, TRRE, TRST, TRSU, TRTI, TRTU, TRUR, TSCH, TSDI, TSSI, TYLA, UNPA, URRE, UTGI, UTMA, UTRE, UVMA, VAMN, VEAR, VIAC, VIAE, VIAL, VIAR, VIBA, VIBI, VIBL, VIBR, VIBT, VICA, VICD, VICH, VICI, VICN, VICR, VIDO, VIFI, VIGI, VIHE, VIJA, VILA, VILB, VIMA, VIMO, VIMU, VIPA, VIPE, VIPI, VIRE, VIRF, VIRI, VIRO, VIRU, VISA, VISH, VITH, VITI, VITR, VIUN, VIVI, VIVU, VOAC, WADE, WARO, WHCA, WIFL, WISI, WOAU, WOLI, XYGR, XYMO, XYRU, YUBR, YUFI, YUQU, YUSC, ZAPI, ZASC, ZASI, ZEDI, ZELU, ZEMA, ZEPE, ZEPI, ZISP
8.	4.5S small subunit	rrn4.5	2	1	SAIV

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
	ribosomal RNA				
9.	5 ribosomal RNA	rrn5	20	12	APCA, BOLA, BRJU, COAF, COAM, DOHY, NIOT, ORCR, ORGR, ORMI, PHPU, PHRA
10.	50S ribosomal protein L2	rpl2	2	2	ALEB, BRPO
11.	5S ribosomal RNA	rrn5	1868	983	ABCH, ABCI, ABCO, ABES, ABSI, ACAR, ACBU, ACLO, ACML, ACPS, ACWR, ADMN, AEBI, AECY, AEGE, AEKO, AELO, AESE, AESH, AESP, AETA, AGAD, AGAT, AGST, ALAL, ALDE, ALFA, ALKI, ALNA, ALOB, ALOF, ALOR, ALSA, ALSP, ALTE, ALUL, AMCR, AMMU, AMTR, AMTU, ANAB, ANAI, ANAS, ANBR, ANCH, ANCI, ANCO, ANDI, ANFA, ANFL, ANFV, ANGD, ANGE, ANGR, ANGY, ANLX, ANOC, APAM, APMU, AQMA, ARAG, ARAU, ARCA, ARCP, ARDE, ARFU, ARGM, ARHS, ARHU, ARHY, ARLA, ARMI, ARPR, ARPU, ARRU, ARTH, ARVE, ARXA, ASTA, ATSI, AXFI, AXRA, AZIN, AZSE, AZTE, BAAU, BABE, BABR, BAKU, BAOL, BEAM, BEBV, BEKO, BENA, BEPE, BESC, BESE, BINO, BOAL, BODE, BOMA, BOSE, BRBR, BRDI, BRHY, BRNI, BRVU, BUBI, BUFA, CAAA, CAAZ, CABL, CACA, CACJ, CACN, CACO, CACV, CACY, CAEC, CAEY, CAFI, CAFR, CAGN, CAGR, CAGU, CAHA, CAJA, CALE, CALI, CALY, CAMI, CAMO, CAOL, CAPE, CAPL, CAPO, CAPU, CARE, CARH, CARN, CASC, CAST, CASY, CATI, CAVE, CEDI, CEJA, CELA, CEPA, CESL, CHBR, CHFO, CHGR, CHHA, CHHU, CHJA, CHJP, CHLA, CHMA, CHNA, CHNI, CHOR, CHPO, CHPR, CHSP, CHSR, CHZI, CIAR, CIDP, CILO, CIMA, CIMI, CIPH, CIRE, CISI, CIVE, CLLO, COAR, COBE, COBO, COBU, COCO, COEX, COGU, COHE, COIS, COLC, COMA, COMC, COME, COOD, COOF, COPR, COPY, COSE, COST, COTE, COTI, COTO, COTR, COWI, CRAB, CRCH, CRHA, CRHE, CRJA, CRJP, CRLO, CRMA, CRPA, CUHT, CUHY, CULO, CURO, CYAU, CYBA, CYCO, CYFL, CYHU, CYHY, CYPL, CYWI, DAAE, DABR, DACA, DACL, DADI, DAIM, DAPI, DEKE, DEKN, DEMO, DEOR, DIAC, DIBA, DICD, DIEL, DIID, DILN, DIOB, DIOR, DISB, DISN, DIVI, DIWI, DIZI, DOVI, DRCA, DRPU, DRRO, DUBR, DUOB, DUSO, ECCO, ECFR, ECOR, ECPR, ECST, ECUG, ELGL, ELIN, ELSP, ENCY, ENIM, ENLE, EPAP, EPRO, EPVI, ERAB, ERAG, ERAI, ERAR, ERAV, ERAX, ERBA, ERBR, ERBU, ERCA, ERCH, ERCI, ERCL, ERCO, ERCR, ERDE, ERER, ERFA, ERGL, ERGR, ERJA, ERLA, ERLU, ERMA, ERME, ERMJ, ERML, ERMN, ERMU, EROB, EROP, ERPA, ERPI, ERPL, ERRE, ERRU, ERSC, ERSE, ERSH, ERST, ERSU, ERTE, ERTI, ERTO, ERTR, ERWA, EUAR, EUAU, EUBA, EUBI, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER,

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					EUES, EUEX, EUFE, EUGA, EUGL, EUGR, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSM, EUSP, EUTI, EUTO, EUTR, EUUM, EUUN, EUVE, FACR, FADI, FAEN, FATA, FEAR, FICA, FIPU, FLIN, FOVU, FRNI, FROR, FRPE, FRSO, GAAP, GAMO, GATE, GATH, GECA, GECE, GEHE, GEMA, GEOB, GEOE, GEOR, GEPA, GESI, GEVE, GLCH, GLGL, GLGR, GLLI, GLSO, GOAE, GOAR, GOCA, GODA, GOGO, GOHI, GOIN, GOLB, GOMU, GONA, GORA, GORO, GOSH, GOSO, GOTO, GRSU, GUAG, GULE, GYKI, GYMI, GYPE, GYSA, HAAM, HABR, HAHA, HAMA, HAML, HAPE, HEAG, HEAR, HECA, HECN, HECO, HEDB, HEEL, HEFO, HELT, HEME, HEPR, HETR, HEUN, HEWH, HIBA, HIPA, HIRI, HOAT, HOHA, HOIS, HOJU, HOLN, HOPO, HOVE, HOVU, HULU, HYBI, HYDI, HYHA, HYHY, HYNI, HYRU, HYSE, HYSU, HYVA, HYVE, IDAU, IDPO, ILAN, ILFL, ILHE, ILOL, ILVE, IMCY, IMGL, INTI, IOAC, IOAU, IOCY, IOEL, IOLE, IONI, IOSA, IOST, IOTI, IOUM, IPBA, IRMI, IRSA, ISAF, ISAL, ISDI, ISMA, ITOR, JAVU, JOAS, JUCA, JUCO, JUHO, JUMA, JUSI, KAOB, KEME, KESI, KHSE, KRBI, KRLA, LACJ, LACL, LADA, LAGM, LAGR, LAIN, LAJA, LALI, LANI, LAOC, LAOD, LAPA, LAPU, LARA, LASA, LATI, LATR, LAVE, LECU, LEDA, LEFL, LEFO, LEJA, LELI, LEMO, LEPE, LEPR, LESE, LIBA, LIBU, LICI, LICO, LIDI, LIFO, LIHA, LIMB, LIPH, LISU, LITS, LITU, LIWA, LOKE, LOML, LOSB, LOSI, LUAL, LURC, LUWE, MAFL, MAFR, MAID, MAIN, MAMO, MATE, MATI, MATS, MAVI, MEAB, MECN, MECR, MEDO, MEHY, MELU, MEMA, MEMU, MEPA, METR, METS, MEVI, MEWA, MICO, MISP, MNHE, MOCE, MOEM, MOHY, MOMA, MOMO, MONO, MOOL, MOPA, MOSP, MUOR, MUTE, NAPI, NAPO, NEDE, NEHE, NEJA, NELO, NESU, NITA, NOAT, NYFR, OCBA, OCTE, ONRA, OPHI, ORAL, ORDI, OREI, ORGA, ORGN, ORHU, ORLA, ORLN, ORME, ORMY, ORPU, ORRH, ORRI, ORRU, ORSA, ORST, ORTA, OSAL, OTVE, OZBI, PAAC, PAAF, PAAU, PABI, PABR, PACI, PACT, PADI, PAED, PAER, PAFI, PAFL, PAFO, PAGE, PAGL, PAIN, PAIO, PAJA, PAJT, PAJU, PALA, PALI, PALT, PALY, PAMC, PAME, PAMI, PAMN, PAMS, PAMU, PANT, PAOB, PAOE, PAOO, PAPA, PAPT, PAPU, PAPY, PAQR, PARE, PARO, PASB, PASE, PASF, PASI, PASM, PASR, PASS, PATC, PATN, PATT, PAVA, PAVF, PAVI, PAVR, PAVT, PAWA, PAZI, PEAC, PEAL, PEAU, PECH, PECI, PECO, PECR, PECT, PECU, PEDI, PEDO, PEEC, PEEH, PEEX, PEFR, PEFU, PEHB, PEHY, PEIN, PEIO, PEJA, PEMY, PENA, PEQI, PEQU, PESE, PESP, PEST, PETE, PETI, PETR, PHAE, PHAN, PHAP, PHGR, PHKO, PHLN, PHPE, PHPI, PHSA, PHVE, PIAR, PIAU, PIAV, PICE,

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					PIDI, PIEH, PIEL, PIFU, PIKO, PIMI, PINI, PIPA, PISB, PISO, PISQ, PISY, PITH, PIWA, PLIN, PLTE, PLTR, POAL, POCO, PODI, POEU, POIL, POPN, POSN, POTR, PRCL, PRDU, PRGL, PRHU, PRKA, PRMR, PRMU, PRPE, PRTA, PRTH, PRTO, PRUT, PRZI, PSAM, PSCO, PSFA, PSLE, PSSI, PSVI, PUGR, PYPY, QUAC, QUBA, QUCH, QUDE, QUDO, QUGL, QUGR, QUMO, QUOB, QURU, QUSI, QUTA, QUTU, QUVA, QUWU, RAMD, RETH, RHST, ROCO, ROPS, RUAL, RYPA, RYSE, SAAR, SACO, SADL, SADO, SADU, SAHI, SAHO, SAID, SAIS, SAJP, SAKI, SALE, SALH, SAOB, SAPB, SAPN, SAPO, SAPS, SAPZ, SARA, SASL, SATD, SATS, SCAA, SCBR, SCCI, SCCR, SCDN, SCEX, SCIM, SCSA, SCSC, SCSP, SCTE, SECE, SEIT, SERE, SESA, SETO, SHPA, SHZE, SIAR, SILI, SOAI, SOBI, SOBO, SOBU, SOCI, SOLY, SOME, SONU, SOPR, SOSD, SOTI, SOTU, SOUL, SPCA, SPOL, SPPO, SPST, STAM, STAS, STBI, STBY, STCH, STCO, STGY, STHA, STHI, STHM, STJP, STKA, STLA, STMI, STQU, STSC, STSY, STTE, STVI, SWMA, SYFO, SYOV, TAAM, TABA, TADI, TAIN, TAMO, TAOB, TAOF, TAPL, TASP, TEGU, THAG, THAU, THLA, THQU, THTR, THVI, THXE, TOFA, TOMA, TOPR, TRAE, TRAU, TRBO, TRBR, TRCR, TRDO, TRGL, TRGR, TRHI, TRHU, TRLE, TRME, TRMN, TRMO, TRRA, TRRE, TRST, TRSU, TRTI, TRTU, TRUR, TSCH, TSDI, TSSI, TYLA, UNPA, URRE, UTGI, UTMA, UTRE, UVMA, VAMN, VEAR, VIAC, VIAE, VIAL, VIAR, VIBA, VIBI, VIBL, VIBR, VIBT, VICA, VICD, VICH, VICI, VICN, VICR, VIDO, VIFI, VIGI, VIHE, VIJA, VILA, VILB, VIMA, VIMO, VIMU, VIPA, VIPE, VIPI, VIRE, VIRF, VIRI, VIRO, VIRU, VISA, VISH, VITH, VITI, VITR, VIUN, VIVI, VIVU, VOAC, WADE, WARO, WHCA, WIFL, WISI, WOAU, WOLI, XYGR, XYMO, XYRU, YUBR, YUFI, YUQU, YUSC, ZAPI, ZASC, ZASI, ZEDI, ZELU, ZEMA, ZEPE, ZEPI, ZISP
12.	5S small subunit ribosomal RNA	rrn5	2	1	SAIV
13.	AccD	accD	2	2	ALSA, MOHY
14.	acetyl-CoA carboxylase beta subunit	accD	1	1	UTMA
15.	acetyl-CoA carboxylase carboxyltransferase beta subunit	accD	3	3	OSAL, VIAL, VICR
16.	acetyl-CoA	accD	1	1	GUAG

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	carboxylase subunit beta				
17.	ATP synthase CF0 A subunit	atpI	1	1	BAOL
18.	ATP synthase CF0 B subunit	atpF	7	7	BAOL, PICO, PIKR, PILA, PIMO, PINE, PISI
19.	ATP synthase CF0 C subunit	atpH	2	2	AKTR, BAOL
20.	ATP synthase CF0 subunit I	atpF	3	3	OSAL, VIAL, VICR
21.	ATP synthase CF0 subunit III	atpH	3	3	OSAL, VIAL, VICR
22.	ATP synthase CF0 subunit IV	atpI	3	3	OSAL, VIAL, VICR
23.	ATP synthase CF1 alpha subunit	atpA	4	4	BAOL, OSAL, VIAL, VICR
24.	ATP synthase CF1 beta subunit	atpB	4	4	BAOL, OSAL, VIAL, VICR
25.	ATP synthase CF1 epsilon subunit	atpE	4	4	BAOL, OSAL, VIAL, VICR
26.	AtpA	atpA	1	1	ALSA
27.	AtpB	atpB	1	1	ALSA
28.	ATP-dependent Clp protease proteolytic subunit	clpP	15	15	BAOL, FIRE, PAAB, PSCH, TABE, TACE, TACL, TACN, TACO, TACU, TAFO, TAFR, TAGL, TAPH, TAWA
29.	AtpE	atpE	1	1	ALSA
30.	AtpF	atpF	4	4	ALSA, PILA, PIMO, PINE
31.	AtpH	atpH	1	1	ALSA
32.	AtpI	atpI	1	1	ALSA
33.	CcsA	ccsA	1	1	ALSA
34.	CemA	cemA	1	1	ALSA
35.	chloroplast envelope membrane protein	cemA	3	3	OSAL, VIAL, VICR
36.	clp protease	clpP	3	3	OSAL, VIAL, VICR

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
	proteolytic subunit				
37.	Clp protease-Like protein	clpP	1	1	MOHY
38.	ClpP	clpP	1	1	ALSA
39.	cyt b6/f complex subunit VI; ycf7	petL	1	1	PHAP
40.	cytochrome b6	petB	4	4	BAOL, OSAL, VIAL, VICR
41.	cytochrome b6/f complex subunit IV	petD	5	5	BAOL, GAAP, OSAL, VIAL, VICR
42.	cytochrome b6/f complex subunit V	petG	5	5	BAOL, CAPN, OSAL, VIAL, VICR
43.	cytochrome b6/f complex subunit VI	petL	5	5	BAOL, OSAL, PITH, VIAL, VICR
44.	cytochrome b6/f complex subunit VIII	petN	3	3	OSAL, VIAL, VICR
45.	cytochrome b6-f complex subunit VIII	petN	1	1	MAYU
46.	cytochrome c biogenesis protein	ccsA	1	1	BAOL
47.	cytochrome c biogenesis/heme attachment protein	ccsA	1	1	NERI
48.	cytochrome f	petA	5	5	BAOL, HARH, OSAL, VIAL, VICR
49.	envelope membrane protein	cemA	1	1	BAOL
50.	hypothetical chloroplast RF1	ycf1	1	1	VIAL
51.	hypothetical chloroplast RF15	ycf15	4	3	ARLP, FIRE, IDAU
52.	hypothetical chloroplast RF19	ycf1	4	3	AMGN, AMLA, AMST
53.	hypothetical chloroplast RF19-like protein	ycf1	9	9	CUME, GYBU, GYCA, GYCU, GYLA, GYLO, GYPN, GYPU, HELJ

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
54.	hypothetical chloroplast RF2	ycf2	1	1	KOPA
55.	hypothetical chloroplast RF21	ycf2	3	3	ORCR, ORGR, PLIN
56.	hypothetical chloroplast RF34	ycf3	2	2	EROP, SPCA
57.	hypothetical chloroplast ycf1	ycf1	1	1	FIRE
58.	hypothetical protein orf42	orf42	1	1	VICU
59.	hypothetical protein Ycf1	ycf1	1	1	GNUL
60.	InfA	infA	2	2	BAOL, MOHY
61.	lhbA	lhbA	1	1	ALSA
62.	maturase K	matK	7	7	ALSA, LIPH, MOHY, OSAL, PIEH, UTMA, VICR
63.	NADH dehydrogenase subunit 1	ndhA	1	1	BAOL
64.	NADH dehydrogenase subunit 2	ndhB	2	1	BAOL
65.	NADH dehydrogenase subunit 3	ndhC	1	1	BAOL
66.	NADH dehydrogenase subunit 4	ndhD	1	1	BAOL
67.	NADH dehydrogenase subunit 4L	ndhE	1	1	BAOL
68.	NADH dehydrogenase subunit 5	ndhF	4	4	BAOL, FIRE, LIPH, UTMA
69.	NADH dehydrogenase subunit 6	ndhG	1	1	BAOL
70.	NADH dehydrogenase subunit 7	ndhH	1	1	BAOL
71.	NADH dehydrogenase subunit I	ndhI	1	1	BAOL
72.	NADH dehydrogenase	ndhJ	1	1	BAOL

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
	subunit J				
73.	NADH dehydrogenase subunit K	ndhK	4	4	BAOL, PIAR, PIKO, UTMA
74.	NADH-plastoquinone oxidoreductase subunit 2	ndhB	3	3	ALAL, ALOB, PLIN
75.	NdhA	ndhA	1	1	ALSA
76.	NdhB	ndhB	2	1	ALSA
77.	NdhC	ndhC	1	1	ALSA
78.	NdhD	ndhD	1	1	ALSA
79.	NdhE	ndhE	1	1	ALSA
80.	NdhF	ndhF	1	1	ALSA
81.	NdhG	ndhG	1	1	ALSA
82.	NdhH	ndhH	2	2	ALSA, BAOL
83.	NdhI	ndhI	2	2	ALSA, PEHB
84.	NdhJ	ndhJ	1	1	ALSA
85.	NdhK	ndhK	1	1	ALSA
86.	ORF100	ORF100	1	1	PIKO
87.	ORF103	ORF103	3	3	PIKO, PITH, PITI
88.	ORF105	ORF105	1	1	PIKO
89.	ORF107	ORF107	1	1	PITH
90.	ORF107a	ORF107a	1	1	PIKO
91.	ORF107c	ORF107c	1	1	PIKO
92.	ORF108	ORF108	1	1	PIKO
93.	ORF111	ORF111	1	1	PIKO
94.	ORF112	ORF112	1	1	PIKO
95.	ORF115	ORF115	2	2	PITH, PITI
96.	ORF118	ORF118	1	1	PIKO
97.	ORF119	ORF119	2	2	PITH, PITI
98.	ORF124	ORF124	1	1	PIKO
99.	ORF126	ORF126	2	2	PITH, PITI
100.	ORF132	ORF132	1	1	PIKO
101.	ORF133	ORF133	3	3	PIKO, PITH, PITI
102.	ORF137	orf137	1	1	PIKO

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
103.	ORF145	ORF145	1	1	PIKO
104.	ORF147	ORF147	1	1	PIKO
105.	ORF169	ORF169	1	1	PITI
106.	ORF170	ORF170	1	1	PHAP
107.	ORF1756	ORF1756	2	2	PITH, PITI
108.	ORF184	ORF184	1	1	PITI
109.	ORF2054	ORF2054	2	2	PITH, PITI
110.	ORF22	ORF22	2	2	PITH, PITI
111.	ORF25	ORF25	1	1	PITH
112.	ORF261	ORF261	1	1	PITI
113.	ORF29	ORF29	1	1	PITI
114.	ORF320	ORF320	1	1	PITI
115.	ORF33	ORF33	2	2	PITH, PITI
116.	ORF40ab	ORF40ab	1	1	PIKO
117.	ORF40b	ORF40b	1	1	PIKO
118.	ORF40f	ORF40f	1	1	PIKO
119.	ORF40g	ORF40g	2	1	PIKO
120.	ORF40h	ORF40h	1	1	PIKO
121.	ORF40j	ORF40j	1	1	PIKO
122.	ORF40k	ORF40k	1	1	PIKO
123.	ORF40l	ORF40l	1	1	PIKO
124.	ORF40m	ORF40m	1	1	PIKO
125.	ORF40n	ORF40n	1	1	PIKO
126.	ORF40o	ORF40o	1	1	PIKO
127.	ORF40p	ORF40p	1	1	PIKO
128.	ORF40s	ORF40s	1	1	PIKO
129.	ORF40t	ORF40t	1	1	PIKO
130.	ORF40u	ORF40u	1	1	PIKO
131.	ORF40v	ORF40v	1	1	PIKO
132.	ORF40w	ORF40w	1	1	PIKO
133.	ORF40x	ORF40x	1	1	PIKO
134.	ORF40y	ORF40y	1	1	PIKO
135.	ORF40z	ORF40z	1	1	PIKO
136.	ORF41a	ORF41a	1	1	PIKO

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
137.	ORF41b	ORF41b	1	1	PIKO
138.	ORF41e	ORF41e	1	1	PIKO
139.	ORF41f	ORF41f	1	1	PIKO
140.	ORF41g	ORF41g	1	1	PIKO
141.	ORF41h	ORF41h	1	1	PIKO
142.	ORF41i	ORF41i	1	1	PIKO
143.	ORF41j	ORF41j	1	1	PIKO
144.	ORF41l	ORF41l	1	1	PIKO
145.	ORF41n	ORF41n	1	1	PIKO
146.	ORF42a	ORF42a	1	1	PIKO
147.	ORF42b	ORF42b	1	1	PIKO
148.	ORF42c	ORF42c	1	1	PIKO
149.	ORF42f	ORF42f	1	1	PIKO
150.	ORF42g	ORF42g	1	1	PIKO
151.	ORF42h	ORF42h	1	1	PIKO
152.	ORF42j	ORF42j	1	1	PIKO
153.	ORF43a	ORF43a	1	1	PIKO
154.	ORF43b	ORF43b	1	1	PIKO
155.	ORF43c	ORF43c	1	1	PIKO
156.	ORF43e	ORF43e	1	1	PIKO
157.	ORF43g	ORF43g	1	1	PIKO
158.	ORF43j	ORF43j	1	1	PIKO
159.	ORF43k	ORF43k	1	1	PIKO
160.	ORF43l	ORF43l	1	1	PIKO
161.	ORF44a	ORF44a	2	2	PIKO, PITH
162.	ORF44d	ORF44d	1	1	PIKO
163.	ORF44e	ORF44e	1	1	PIKO
164.	ORF44f	ORF44f	1	1	PIKO
165.	ORF44k	ORF44k	1	1	PIKO
166.	ORF44l	ORF44l	1	1	PIKO
167.	ORF44n	ORF44n	1	1	PIKO
168.	ORF45 protein	ORF45protein	1	1	SPOL
169.	ORF45a	ORF45a	2	2	PIKO, PITH

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
170.	ORF45b	ORF45b	2	2	PIKO, PITH
171.	ORF45c	ORF45c	1	1	PIKO
172.	ORF45d	ORF45d	1	1	PIKO
173.	ORF45e	ORF45e	1	1	PIKO
174.	ORF45f	ORF45f	1	1	PIKO
175.	ORF45g	ORF45g	1	1	PIKO
176.	ORF45h	ORF45h	1	1	PIKO
177.	ORF46b	ORF46b	1	1	PITH
178.	ORF46d	ORF46d	1	1	PIKO
179.	ORF46e	ORF46e	1	1	PIKO
180.	ORF46f	ORF46f	1	1	PIKO
181.	ORF46g	ORF46g	1	1	PIKO
182.	ORF46h	ORF46h	1	1	PIKO
183.	ORF46i	ORF46i	1	1	PIKO
184.	ORF46j	ORF46j	1	1	PIKO
185.	ORF47	ORF47	1	1	PITH
186.	ORF47a	ORF47a	1	1	PIKO
187.	ORF47c	ORF47c	1	1	PIKO
188.	ORF47g	ORF47g	1	1	PIKO
189.	ORF47h	ORF47h	1	1	PIKO
190.	ORF47i	ORF47i	1	1	PIKO
191.	ORF47k	ORF47k	1	1	PIKO
192.	ORF48a	ORF48a	1	1	PITH
193.	ORF48b	ORF48b	2	2	PIKO, PITH
194.	ORF48c	ORF48c	3	2	PIKO, PITH
195.	ORF48e	ORF48e	1	1	PIKO
196.	ORF48f	ORF48f	1	1	PIKO
197.	ORF49a	ORF49a	1	1	PIKO
198.	ORF49d	ORF49d	1	1	PIKO
199.	ORF49e	ORF49e	1	1	PIKO
200.	ORF49g	ORF49g	1	1	PIKO
201.	ORF50	ORF50	2	2	PITH, PITI
202.	ORF50b	ORF50b	1	1	PIKO
203.	ORF50c	ORF50c	1	1	PIKO

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
204.	ORF50e	ORF50e	1	1	PIKO
205.	ORF50i	ORF50i	2	1	PIKO
206.	ORF50j	ORF50j	1	1	PIKO
207.	ORF50k	ORF50k	1	1	PIKO
208.	ORF51a	ORF51a	1	1	PIKO
209.	ORF51b	ORF51b	2	2	PIKO, PITH
210.	ORF51d	ORF51d	1	1	PIKO
211.	ORF51e	ORF51e	1	1	PIKO
212.	ORF52	ORF52	2	2	PITH, PITI
213.	ORF52a	ORF52a	1	1	PIKO
214.	ORF52c	ORF52c	1	1	PIKO
215.	ORF53a	ORF53a	1	1	PIKO
216.	ORF53c	ORF53c	1	1	PIKO
217.	ORF53d	ORF53d	1	1	PIKO
218.	ORF53f	ORF53f	1	1	PIKO
219.	ORF53g	ORF53g	1	1	PIKO
220.	ORF53h	ORF53h	1	1	PIKO
221.	ORF54a	ORF54a	1	1	PITH
222.	ORF54b	ORF54b	2	2	PIKO, PITH
223.	ORF54d	ORF54d	1	1	PIKO
224.	ORF54f	ORF54f	1	1	PIKO
225.	ORF55a	ORF55a	1	1	PIKO
226.	ORF55b	ORF55b	1	1	PIKO
227.	ORF55e	ORF55e	1	1	PIKO
228.	ORF55f	ORF55f	1	1	PIKO
229.	ORF56a	ORF56a	2	2	PIKO, PITH
230.	ORF56b	ORF56b	1	1	PITH
231.	ORF56c	ORF56c	1	1	PITH
232.	ORF56d	ORF56d	1	1	PIKO
233.	ORF56e	ORF56e	1	1	PIKO
234.	ORF56f	ORF56f	1	1	PIKO
235.	ORF57a	ORF57a	1	1	PITH
236.	ORF57b	ORF57b	1	1	PITH
237.	ORF57e	ORF57e	1	1	PIKO

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
238.	ORF57f	ORF57f	1	1	PIKO
239.	ORF57g	ORF57g	1	1	PIKO
240.	ORF58	ORF58	1	1	PITH
241.	ORF58a	ORF58a	1	1	PIKO
242.	ORF58d	ORF58d	1	1	PIKO
243.	ORF58e	ORF58e	1	1	PIKO
244.	ORF58f	ORF58f	1	1	PIKO
245.	ORF59a	ORF59a	2	2	PIKO, PITH
246.	ORF59b	ORF59b	2	2	PIKO, PITH
247.	ORF60	ORF60	1	1	PITH
248.	ORF60a	ORF60a	1	1	PIKO
249.	ORF60b	ORF60b	1	1	PIKO
250.	ORF60c	ORF60c	1	1	PIKO
251.	ORF60d	ORF60d	1	1	PIKO
252.	ORF60g	ORF60g	1	1	PIKO
253.	ORF60h	ORF60h	1	1	PIKO
254.	ORF61b	ORF61b	1	1	PIKO
255.	ORF61c	ORF61c	1	1	PIKO
256.	ORF61d	ORF61d	1	1	PIKO
257.	ORF62	psbZ	1	1	PITI
258.	ORF62a	ORF62a	1	1	PIKO
259.	ORF62b	ORF62b	2	2	PIKO, PITI
260.	ORF62d	ORF62d	1	1	PIKO
261.	ORF62f	ORF62f	1	1	PIKO
262.	ORF63b	ORF63b	1	1	PIKO
263.	ORF63c	ORF63c	1	1	PIKO
264.	ORF63d	ORF63d	1	1	PIKO
265.	ORF64a	ORF64a	2	2	PIKO, PITH
266.	ORF64b	ORF64b	1	1	PITH
267.	ORF64c	ORF64c	2	2	PIKO, PITH
268.	ORF64d	ORF64d	1	1	PIKO
269.	ORF65a	ORF65a	1	1	PIKO
270.	ORF65b	ORF65b	1	1	PIKO
271.	ORF65c	ORF65c	1	1	PIKO

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
272.	ORF65d	ORF65d	1	1	PIKO
273.	ORF66	ORF66	2	2	PITH, PITI
274.	ORF66a	ORF66a	1	1	PIKO
275.	ORF66b	ORF66b	1	1	PIKO
276.	ORF67a	ORF67a	2	2	PIKO, PITH
277.	ORF67b	ORF67b	2	2	PIKO, PITH
278.	ORF67d	ORF67d	1	1	PIKO
279.	ORF67e	ORF67e	1	1	PIKO
280.	ORF67f	ORF67f	1	1	PIKO
281.	ORF67g	ORF67g	1	1	PIKO
282.	ORF68b	ORF68b	1	1	PIKO
283.	ORF69	ORF69	2	2	PITH, PITI
284.	ORF69b	ORF69b	1	1	PIKO
285.	ORF69c	ORF69c	1	1	PIKO
286.	ORF69d	ORF69d	1	1	PIKO
287.	ORF70	orf70	1	1	PITH
288.	ORF70c	ORF70c	1	1	PIKO
289.	ORF71	orf71	2	2	PITH, PITI
290.	ORF71b	ORF71b	1	1	PIKO
291.	ORF72a	ORF72a	1	1	PIKO
292.	ORF73a	ORF73a	1	1	PITH
293.	ORF73b	ORF73b	1	1	PIKO
294.	ORF74	ORF74	2	2	PITH, PITI
295.	ORF75a	ORF75a	3	3	PIKO, PITH, PITI
296.	ORF75b	ORF75b	1	1	PIKO
297.	ORF75c	ORF75c	1	1	PIKO
298.	ORF76b	ORF76b	1	1	PIKO
299.	ORF76c	ORF76c	1	1	PIKO
300.	ORF77	orf77	3	3	PIKO, PITH, PITI
301.	ORF79b	ORF79b	1	1	PIKO
302.	ORF81b	ORF81b	1	1	PIKO
303.	ORF82	orf82	2	2	PITH, PITI
304.	ORF82c	ORF82c	1	1	PIKO
305.	ORF83	ORF83	2	2	PITH, PITI

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
306.	ORF83a	ORF83a	1	1	PIKO
307.	ORF83b	ORF83b	2	2	PIKO, PITH
308.	ORF84	ORF84	2	2	PITH, PITI
309.	ORF84b	ORF84b	1	1	PIKO
310.	ORF86a	ORF86a	1	1	PIKO
311.	ORF86b	ORF86b	1	1	PIKO
312.	ORF87	ORF87	2	2	PITH, PITI
313.	ORF88	orf88	3	3	PIKO, PITH, PITI
314.	ORF89b	ORF89b	1	1	PIKO
315.	ORF91	ORF91	1	1	PIKO
316.	ORF95b	ORF95b	1	1	PIKO
317.	ORF95c	ORF95c	1	1	PIKO
318.	PetA	petA	1	1	ALSA
319.	PetB	petB	1	1	ALSA
320.	PetD	petD	1	1	ALSA
321.	PetG	petG	1	1	ALSA
322.	PetL	petL	1	1	ALSA
323.	PetN	petN	2	2	ALSA, BAOL
324.	photosystem I assembly protein Ycf3	ycf3	3	3	BAOL, FIRE, PIKO
325.	photosystem I assembly protein ycf4	ycf4	4	4	BAOL, OSAL, VIAL, VICR
326.	photosystem I P700 apoprotein A1	psaA	3	3	OSAL, VIAL, VICR
327.	photosystem I P700 apoprotein A2	psaB	3	3	OSAL, VIAL, VICR
328.	photosystem I P700 chlorophyll a apoprotein A1	psaA	2	2	BAOL, BOCE
329.	photosystem I P700 chlorophyll a apoprotein A2	psaB	1	1	BAOL
330.	photosystem I protein M	psaM	1	1	PIYU

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
331.	photosystem I reaction center subunit VIII	psaI	1	1	BAAR
332.	photosystem I subunit IX	psaJ	5	5	BAOL, ORGA, OSAL, VIAL, VICR
333.	photosystem I subunit VII	psaC	4	4	BAOL, OSAL, VIAL, VICR
334.	photosystem I subunit VIII	psaI	3	3	OSAL, VIAL, VICR
335.	photosystem II 44 kDa protein	psbC	2	2	BAOL, HIMA
336.	photosystem II 47 kDa protein	psbB	5	5	BAOL, GUAG, OSAL, VIAL, VICR
337.	photosystem II CP43 chlorophyll apoprotein	psbC	3	3	OSAL, VIAL, VICR
338.	photosystem II cytochrome b559 alpha subunit	psbE	3	3	OSAL, VIAL, VICR
339.	photosystem II cytochrome b559 beta subunit	psbF	3	3	OSAL, VIAL, VICR
340.	photosystem II phosphoprotein	psbH	3	3	OSAL, TRPI, VIAL
341.	photosystem II protein D1	psbA	6	6	BAOL, GESI, OSAL, PIAR, VIAL, VICR
342.	photosystem II protein D2	psbD	4	4	BAOL, OSAL, VIAL, VICR
343.	photosystem II protein H	psbH	1	1	BAOL
344.	photosystem II protein I	psbI	4	4	BAOL, OSAL, VIAL, VICR
345.	photosystem II protein J	psbJ	5	5	BAOL, OSAL, PLIN, VIAL, VICR
346.	photosystem II protein K	psbK	5	5	BAOL, GEMA, OSAL, VIAL, VICR

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
347.	photosystem II protein L	psbL	4	4	BAOL, OSAL, VIAL, VICR
348.	photosystem II protein M	psbM	4	4	BAOL, OSAL, VIAL, VICR
349.	photosystem II protein N	psbN	4	4	BAOL, OSAL, VIAL, VICR
350.	photosystem II protein T	psbT	4	4	BAOL, OSAL, VIAL, VICR
351.	photosystem II protein V	psbE	1	1	BAOL
352.	photosystem II protein VI	psbF	1	1	BAOL
353.	photosystem II protein Z	psbZ	4	4	BAOL, OSAL, VIAL, VICR
354.	PsaA	psaA	1	1	ALSA
355.	PsaB	psaB	1	1	ALSA
356.	PsaC	psaC	1	1	ALSA
357.	PsaI	psaI	1	1	ALSA
358.	PsaJ	psaJ	1	1	ALSA
359.	PsbA	psbA	1	1	ALSA
360.	PsbB	psbB	1	1	ALSA
361.	PsbC	psbC	1	1	ALSA
362.	PsbD	psbD	1	1	ALSA
363.	PsbE	psbE	1	1	ALSA
364.	PsbF	psbF	1	1	ALSA
365.	PsbH	psbH	1	1	ALSA
366.	PsbI	psbI	1	1	ALSA
367.	PsbJ	psbJ	1	1	ALSA
368.	PsbK	psbK	1	1	ALSA
369.	PsbL	psbL	1	1	ALSA
370.	PsbM	psbM	1	1	ALSA
371.	PsbN	psbN	1	1	ALSA
372.	PsbT	psbT	1	1	ALSA
373.	PSI reaction centre	psaI	1	1	PHAP

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
	subunit VIII				
374.	putative ACRS-like protein	orf56	2	1	MAYU
375.	putative chloroplast RF1	ycf1	2	2	OSAL, VICR
376.	putative chloroplast RF21	ycf2	8	5	ALAL, ALOB, OSAL, VIAL, VICR
377.	putative chloroplast RF34	ycf3	3	3	OSAL, VIAL, VICR
378.	putative pvs-trna-like protein	orf42	2	1	MAYU
379.	ribosomal protein L12	rpl2	1	1	COAM
380.	ribosomal protein L14	rpl14	6	6	ALSA, BAOL, MOHY, OSAL, VIAL, VICR
381.	ribosomal protein L16	rpl16	9	9	ALSA, BAOL, COQU, GEOE, MOHY, OSAL, UTMA, VIAL, VICR
382.	ribosomal protein L2	rpl2	15	10	ALAL, ALOB, ALSA, ASOF, BAOL, BRSC, MOHY, OSAL, VIAL, VICR
383.	ribosomal protein L20	rpl20	6	6	ALSA, BAOL, MOHY, OSAL, VIAL, VICR
384.	ribosomal protein L22	rpl22	10	8	ALSA, BAOL, MOHY, OSAL, QUDE, QUWU, VIAL, VICR
385.	ribosomal protein L23	rpl23	13	8	ALAL, ALOB, ALSA, BAOL, MOHY, OSAL, VIAL, VICR
386.	ribosomal protein L32	rpl32	8	8	ALSA, BAAR, BAOL, MOHY, OSAL, PHAP, VIAL, VICR
387.	ribosomal protein L33	rpl33	5	5	ALSA, BAOL, MOHY, OSAL, PHAP
388.	ribosomal protein L36	rpl36	6	6	ALSA, BAOL, MOHY, OSAL, VIAL, VICR
389.	ribosomal protein pL36	rpl36	1	1	SCIN
390.	ribosomal protein S11	rps11	6	6	ALSA, BAOL, MOHY, OSAL, VIAL, VICR
391.	ribosomal protein S12	rps12	34	24	ALOB, ALSA, APCA, BAOL, BOLA, CHLI, CIPH, CUBN, CYTE, DACL, GEMA, GUAG, MASA, MASN, MOHY, NEAT, OLRE, ORCR, OSAL, OTAC, PHPU, PHRA, VIAL, VICR
392.	ribosomal protein S12, 3	rps12	2	2	BOLA, ORCR
393.	ribosomal protein S14	rps14	6	6	ALSA, BAOL, MOHY, OSAL, VIAL, VICR
394.	ribosomal protein S15	rps15	6	5	ALSA, BAOL, OSAL, VIAL, VICR
395.	ribosomal protein S16	rps16	6	6	BAOL, GAAP, OSAL, UTMA, VIAL, VICR
396.	ribosomal protein S18	rps18	6	6	ALSA, BAOL, MOHY, OSAL, VIAL, VICR
397.	ribosomal protein S19	rps19	13	9	ALAL, ALOB, ALSA, BAOL, GUAG, MOHY, OSAL, VIAL, VICR

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
398.	ribosomal protein S2	rps2	5	5	BAOL, MOHY, OSAL, VIAL, VICR
399.	ribosomal protein S3	rps3	6	6	ALSA, BAOL, MOHY, OSAL, VIAL, VICR
400.	ribosomal protein S36	rps36	4	4	ALVR, DILA, MOOD, PICA
401.	ribosomal protein S4	rps4	7	7	ALSA, BAOL, MOHY, OSAL, PITH, VIAL, VICR
402.	ribosomal protein S7	rps7	13	8	ALAL, ALOB, ALSA, BAOL, MOHY, OSAL, VIAL, VICR
403.	ribosomal protein S8	rps8	6	6	ALSA, BAOL, MOHY, OSAL, VIAL, VICR
404.	ribosomal proteins S15	rps15	1	1	LIPH
405.	ribulose 1,5-bisphosphate carboxylase/oxygenase large subunit	rbcL	3	3	OSAL, VIAL, VICR
406.	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit	rbcL	2	2	ALSA, BAOL
407.	RNA polymerase alpha subunit	rpoA	5	5	ASOF, BAOL, OSAL, VIAL, VICR
408.	RNA polymerase beta subunit	rpoB	4	4	BAOL, OSAL, VIAL, VICR
409.	RNA polymerase beta' subunit	rpoC1	11	11	BAOL, OSAL, PICO, PIKR, PILA, PIMO, PINE, PISI, RUTA, VIAL, VICR
410.	RNA polymerase beta" subunit	rpoC2	5	5	BAOL, OSAL, TEGR, VIAL, VICR
411.	RpoA	rpoA	1	1	ALSA
412.	RpoB	rpoB	1	1	ALSA
413.	RpoC1	rpoC1	4	4	ALSA, PILA, PIMO, PINE
414.	RpoC2	rpoC2	1	1	ALSA
415.	rrn16	rrn16	5	3	POTO, SOCO, SONI
416.	rrn23	rrn23	5	3	POTO, SOCO, SONI
417.	rrn4.5	rrn4.5	5	3	POTO, SOCO, SONI
418.	rrn5	rrn5	5	3	POTO, SOCO, SONI
419.	small plastid RNA	sprA	1	1	HYNI
420.	small ribosomal RNA (16S ribosomal RNA)	rrn16	4	2	GEMA, LIPH

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
421.	small ribosomal RNA subunit (16S ribosomal RNA)	rrn16	2	1	UTMA
422.	small ribosomal RNA subunit, 16S ribosomal RNA	rrn16	2	1	PIEH
423.	translational initiation factor 1	infA	1	1	SAPO
424.	tRNA-Ala	trnA	165	88	ALAL, ALOB, ALSA, ALTE, ANCO, ANFL, ARXA, AZTE, BAKU, BAOL, CAGU, COEX, COGU, COMA, COTE, CRJA, DEKE, DEKN, DOVI, ENCY, ERBR, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, HEFO, IMGL, KHSE, KRBI, ORGA, ORSA, OSAL, PAOE, PASR, PEHB, PHAP, PIDI, PLTR, PSSI, QUGR, RUAL, SABI, SABR, SAEU, SAIV, STQU, SYFO, VIAL, VICR, VOAC
425.	tRNA-Arg	trnR	272	97	AEBI, AEKO, AELO, AESE, AESH, ALAL, ALOB, ALSA, ALTE, ANCO, ANFL, ARXA, BAKU, BAOL, CAEY, CAGU, COEX, COGU, COMA, COTE, CRJA, CUHT, DEKE, DEKN, DOVI, DRRO, ENCY, EPVI, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, HAPE, KHSE, MOHY, ORGA, ORSA, OSAL, PEHB, PHAP, PIDI, PISB, PLTR, POTO, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, SYNI, TRTI, TRTU, VIAL, VICR, XASI
426.	tRNA-Asn	trnN	177	94	AEBI, AEKO, AELO, AESE, AESH, ALAL, ALOB, ALSA, ALTE, ANCO, ANFL, ARXA, BAKU, BAOL, BRSC, CAGU, COEX, COGU, COMA, COTE, CRJA, CUHT, DEKN, DOVI, DRRO, ENCY, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KHSE, MOHY, ORGA, ORSA, OSAL, PEHB, PHAP, PIDI, PISB, PLTR, POTO, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, SYNI, TRTI, TRTU, VIAL, VICR, XASI

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
427.	tRNA-Asp	trnD	89	89	AEBI, AEKO, AELO, AESE, AESH, ALSA, ALTE, ANCO, ANFL, ARXA, BAKU, BAOL, CAGU, COEX, COGU, COMA, COTE, CRJA, DOVI, DRRO, ENCY, EPVI, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KHSE, MOHY, ORGA, ORSA, OSAL, PEHB, PHAP, PIDI, PISB, PLTR, POTO, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, TRTI, TRTU, VIAL, VICR, XASI
428.	tRNA-Cys	trnC	92	89	AEBI, AEKO, AELO, AESE, AESH, ALSA, ALTE, ANCO, ANFL, ARXA, BAKU, BAOL, CAGU, COEX, COGU, COMA, COTE, CRJA, CUHT, CYHY, DOVI, DRRO, ENCY, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KHSE, MOHY, ORGA, ORSA, OSAL, PEHB, PHAP, PIDI, PISB, PLTR, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, TRTI, TRTU, VIAL, VICR, XASI
429.	tRNA-fMet	trnfM	3	3	GESI, PLTR, XASI
430.	tRNA-Gln	trnQ	95	93	AEBI, AEKO, AELO, AESE, AESH, ALSA, ALTE, ANCO, ANFL, ARXA, BAKU, BAOL, CAGU, CHAL, CHFI, COEX, COGU, COMA, COTE, CRJA, CYGL, CYHY, CYTT, DOVI, DRRO, DYBO, ENCY, EPVI, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KHSE, MOHY, ORGA, ORSA, OSAL, PEHB, PHAP, PIDI, PLTR, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, TRTI, TRTU, VIAL, VICR, XASI
431.	tRNA-Glu	trnE	95	89	AEBI, AEKO, AELO, AESE, AESH, ALSA, ALTE, ANCO, ANFL, ARXA, BAOL, CAGU, COEX, COGU, COMA, COTE, CRJA, CUHT, CYHY, DOVI, DRRO, ENCY, EPVI, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KHSE, MOHY, ORGA, ORSA, OSAL, PEHB, PHAP, PIDI, PISB, PLTR, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, TRTI, TRTU, VIAL, VICR,

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					XASI
432.	tRNA-Gly	trnG	172	114	AEBI, AEKO, AELO, AESE, AESH, ALAL, ALOB, ALSA, ALTE, ANCO, ANFL, ARXA, AZTE, BAKU, BAOL, CAGU, CHAL, CHFI, COEX, COGU, COMA, COTE, CRJA, CUHT, DOVI, DRRO, DYBO, ENCY, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GAAN, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, HEAP, HENA, KHSE, KOSO, KRBI, KRLA, LOJA, MEPC, NYME, ORGA, ORSA, OSAL, OXDR, PADE, PALD, PEHB, PHAP, PIDI, PISB, PLTR, POTO, POTR, PRPO, PSSI, QUGR, RUAL, SABI, SABR, SAEU, SAIV, SASR, SCHN, SIAR, SIHN, STQU, SYFO, SYNI, TEGA, TRTI, TRTU, VIAL, VICR, XASI
433.	tRNA-His	trnH	109	95	AEBI, AEKO, AELO, AESE, AESH, ALAL, ALOB, ALSA, ALTE, ANCO, ANFL, ARXA, BAKU, BAOL, CAGU, COEX, COGU, COMA, COTE, CRJA, CUHT, DOVI, DRRO, ENCY, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KACO, KHSE, MAYU, MOHY, ORGA, ORSA, OSAL, PEHB, PHAP, PIDI, PISB, PLIN, PLTR, POCE, POFE, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, TRTI, TRTU, VIAL, VICR, XASI
434.	tRNA-Ile	trnI	333	99	AEBI, AEKO, AELO, AESE, AESH, ALAL, ALOB, ALSA, ALTE, ANCO, ANFL, ARXA, AZTE, BAKU, BAOL, BRAR, CAGU, COEX, COGU, COMA, COTE, CRJA, CUHT, CYHY, DOVI, ENCY, ERBR, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, GOBA, HEAP, KHSE, KRBI, MAES, ORGA, ORSA, OSAL, PEHB, PHAP, PIDI, PLTR, POTR, PSSI, QUGR, RUAL, SABI, SABR, SAEU, SAIV, STQU, SYFO, SYNI, TRTI, TRTU, VIAL, VICR, VOAC, XASI, XYRU
435.	tRNA-Leu	trnL	364	116	AEBI, AEKO, AELO, AESE, AESH, ALAL, ALOB, ALSA, ALTE, AMBR, ANCO, ANFL, ANOD, ARXA, AVSA, AZTE, BAKU, BAOL, BRAR, BRMA, CAGU, CELA, CHAL, CHFI, COEX, COGU, COMA, COTE, CRJA, CUHT, DOVI, DRRO, DYBO, ENCY, ERBR, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI,

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, GUAG, HAMA, KHSE, KONI, KRBI, LOJA, MEPC, MOHY, ORGA, ORSA, OSAL, PEHB, PHAP, PHGL, PIDI, PISB, PLTR, POTO, POTR, PSSI, QUGR, RUAL, SABI, SABR, SAEU, SAIV, SIAR, SPOL, STQU, SYFO, SYNI, TRTI, TRTU, VIAL, VICR, VIPH, VIRD, VOAC, XASI
436.	tRNA-Lys	trnK	79	79	ALSA, ALTE, ANCO, ANFL, ARXA, AZTE, BAKU, BAOL, CAGU, COEX, COGU, COMA, COTE, CRJA, DOVI, DRRO, ENCY, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KHSE, KRBI, KRLA, ORSA, OSAL, PEHB, PIDI, PLTR, PSSI, PTNE, QUGR, RUAL, SABI, SABR, SAEU, SAIV, STQU, SYFO, VIAL, VICR
437.	tRNA-Met	trnM	201	99	AEBI, AEKO, AELO, AESE, AESH, ALAL, ALOB, ALSA, ALTE, ANCO, ANFL, ARXA, BAKU, BAOL, CAGU, CHAL, CHFI, COEX, COGU, COMA, COTE, CRJA, CUHT, CYHY, DOVI, DRRO, DYBO, ECPU, ECSA, ENCY, EPVI, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, FIRA, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KHSE, MOHY, ORGA, ORSA, OSAL, PEHB, PHAP, PIDI, PISB, PLTR, POTO, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, TRTI, TRTU, VIAL, VICR, XASI
438.	tRNA-Phe	trnF	97	96	AEBI, AEKO, AELO, AESE, AESH, ALSA, ALTE, ANCO, ANFL, ARXA, BAKU, BAOL, CAGU, CHAL, CHFI, COEX, COGU, COMA, COTE, CRJA, CUHT, DOVI, DRRO, DYBO, ECPU, ECSA, ECSP, ECTE, ENCY, EPVI, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GEVE, KHSE, MOHY, ORGA, ORSA, OSAL, PEHB, PHAP, PIDI, PISB, PLTR, POTO, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, TRTI, TRTU, VIAL, VICR, XASI
439.	tRNA-Pro	trnP	109	94	AEBI, AEKO, AELO, AESE, AESH, ALSA, ALTE, ANCO, ANFL, ARXA, BAKU, BAOL, CAGU, CHAL, CHFI, COEX, COGU, COMA, COOF, COTE, CRJA, CUHT,

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					DOVI, DRRO, DYBO, ENCY, EPVI, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KHSE, MOHY, ORGA, ORSA, OSAL, PEHB, PEHO, PHAP, PIDI, PLTR, POTO, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, TRTI, TRTU, VIAL, VICR, XASI
440.	tRNA-Ser	trnS	281	95	AEBI, AEKO, AELO, AESE, AESH, ALAL, ALOB, ALSA, ALTE, ANCO, ANFL, ARXA, BAKU, BAOL, CAGU, CHAL, CHFI, COEX, COGU, COMA, COTE, CRJA, CUHT, DOVI, DRRO, DYBO, ENCY, EPVI, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KHSE, MOHY, ORGA, ORSA, OSAL, PEHB, PHAP, PIDI, PISB, PLTR, POTO, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, TRTI, TRTU, VIAL, VICR, XASI
441.	tRNA-Thr	trnT	210	117	AEBI, AEKO, AELO, AESE, AESH, ALAL, ALOB, ALSA, ALTE, ALVI, ANCO, ANFL, ARTH, ARXA, BAKU, BAOL, BEAC, BLSC, CAGU, CHAL, CHFI, COEX, COGU, COMA, COTE, CRJA, CUHT, DOVI, DRRO, DYBO, ECSA, ECSP, ENCY, ERFU, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, GRMO, HEBA, KHSE, MEPU, MIDO, NEAQ, NEFA, NERI, OPCL, ORDI, ORGA, ORHU, ORSA, ORTA, OSAL, PEHB, PHAP, PIDI, PISB, PLIN, PLTR, POTO, POTR, PSSI, PTDI, RHBR, RHVI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, TILO, TRAM, TRTI, TRTU, VIAL, VICR, XASI
442.	tRNA-Trp	trnW	92	91	AEBI, AEKO, AELO, AESE, AESH, ALSA, ALTE, ANCO, ANFL, ARXA, BAKU, BAOL, CAGU, COEX, COGU, COMA, COOF, COTE, CRJA, CUHT, DOVI, DRRO, ENCY, EPVI, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KHSE, MOHY, ORGA, ORSA, OSAL, PEHB, PEHO, PHAP, PIDI, PLTR, POTO, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, TRTI, TRTU, VIAL,

S.No.	Product	Gene Name	No. of Additions	No. of Species	Plant species codes where gene name have been assigned from product information
					VICR, XASI
443.	tRNA-Tyr	trnY	91	90	AEBI, AEKO, AELO, AESE, AESH, ALSA, ALTE, ANCO, ANFL, ARXA, BAKU, BAOL, CAGU, COEX, COGU, COMA, COTE, CRJA, CUHT, CYHY, DOVI, DRRO, ENCY, EPVI, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KHSE, MOHY, ORGA, ORSA, OSAL, PEHB, PHAP, PIDI, PISB, PLTR, POTR, PSSI, SABI, SABR, SAEU, SAIV, SIAR, STQU, SYFO, TRTI, TRTU, VIAL, VICR, XASI
444.	tRNA-Val	trnV	258	107	AEBI, AEKO, AELO, AESE, AESH, ALAL, ALOB, ALSA, ALTE, ANCO, ANFL, ARTH, ARXA, AZTE, BAKU, BAOL, CAGU, CHAL, CHFI, COEX, COGU, COMA, COTE, CRJA, CUHT, DOVI, DRRO, DYBO, ENCY, ERBR, EUAR, EUBA, EUCA, EUCL, EUCO, EUCU, EUDE, EUDI, EUDL, EUDV, EUEL, EUER, EUES, EUFE, EUGL, EUGU, EUMA, EUME, EUMI, EUNI, EUOB, EUPA, EUPO, EUPU, EURA, EURE, EUSA, EUSI, EUSL, EUSP, EUTI, EUTO, EUUM, EUUN, EUVE, GECE, GEHE, GEOB, GEOE, GEOR, GESI, GEVE, KHSE, KRBI, ORDI, ORGA, ORHU, ORSA, ORTA, OSAL, PEHB, PHAP, PIDI, PISB, PLIN, PLTR, POTR, PSSI, QUGR, RETH, RUAL, SABI, SABR, SAEU, SAIV, SAYU, SIAR, SILI, SPOL, STQU, SYFO, TRTI, TRTU, VIAL, VICR, VOAC, XASI
445.	Ycf1	ycf1	4	4	ALSA, GATT, LIPH, POTR
446.	Ycf1 protein	ycf1	1	1	TEGA
447.	ycf15	ycf15	20	11	EPAL, EPAT, EPGI, EPHE, EPMI, EPPA, EPPU, GECE, MAYU, NECO, PAPB
448.	Ycf1-like protein	ycf1	2	2	LASI, MOCH
449.	Ycf2	ycf2	6	4	ALSA, GECE, MADI, UTMA
450.	Ycf3	ycf3	1	1	ALSA
451.	Ycf4	ycf4	1	1	ALSA
452.	Ycf68	ycf68	2	1	BUBA