Transcribed mutations

position	mutation	Amr REL106	Amo REL106	EP41 REL106	EP42 REL106	EP43 REL106	EP44 REL106	EP45 REL106	EP46 REL106	EP47 REL106	EP48 REL106	EP49 REL106	EP50 REL106	EP51 REL106	EP52 REL106	EP53 REL106	EP54 REL106	EP55 REL106	EP56 REL106	EP57 REL106	EP58 REL106	EP59 REL106	EP60 REL106	EP61 REL106	EP62 REL106	EP63 REL106	EP64 REL106	EP65 REL106	EP66 REL106	EP67 REL106	EP68 REL106	EP69 REL106	EP70 REL106	EP71 REL106	EP72 REL106	EP73 REL106	EP74 REL106	EP75 REL106	EP76 REL106	annotation	gene	description
65,381	A→C																																									
70,857	60 bp(-)																																									
70,857	T→C																																									
166,199	T→G																																									
169,015	T→C																																									
390,044	C→A																																									
426,505	(-)1,360 bp																																									
430,854	G→T																																									
430,855	51 bp																																									
470,188	18 bp(+)																																									

position	mutation	Amr REL106	Amo REL106	EP41 REL106	EP42 REL106	EP43 REL106	EP44 REL106	EP45 REL106	EP46 REL106	EP47 REL106	EP48 REL106	EP49 REL106	EP50 REL106	EP51 REL106	EP52 REL106	EP53 REL106	EP54 REL106	EP55 REL106	EP56 REL106	EP57 REL106	EP58 REL106	EP59 REL106	EP60 REL106	EP61 REL106	EP62 REL106	EP63 REL106	EP64 REL106	EP65 REL106	EP66 REL106	EP67 REL106	EP68 REL106	EP69 REL106	EP70 REL106	EP71 REL106	EP72 REL106	EP73 REL106	EP74 REL106	EP75 REL106	EP76 REL106	annotation	gene	description
674,258	ΔR4 bp																																							coding (664,304-667,417 nt)	ybeL	predicted transporter with NAD(P) Binding Rossmann-fold domain
674,424	A→C																																							229/48 (95%)	ybeL	predicted transporter with NAD(P) Binding Rossmann-fold domain
674,699	60 bp(-) +3 bp																																							coding (674,701-677,417 nt)	ybeL	predicted transporter with NAD(P) Binding Rossmann-fold domain
676,137	A→T																																							149/52 (74%)	ybeL	predicted transporter with NAD(P) Binding Rossmann-fold domain
676,363	62 (-) +8 bp																																							intergenic (-)/ΔI (-)/62	ybeL / -/ -	predicted transporter with NAD(P) Binding Rossmann-fold domain / predicted sugar efflux transporter
747,703	3/13,663 bp																																							IS1/mediated	fimpg/[-]-intergf	[ECB_00928] [ECB_00929] [ECB_00930] [ECB_00931] [ECB_00932] [ECB_00933] [ECB_00934] [ECB_00935] [ECB_00936] [ECB_00937] [ECB_00938] [ECB_00939] [ECB_00940] [ECB_00941] [ECB_00942] [ECB_00943] [ECB_00944] [ECB_00945] [ECB_00946] [ECB_00947] [ECB_00948] [ECB_00949] [ECB_00950] [ECB_00951] [ECB_00952] [ECB_00953] [ECB_00954] [ECB_00955] [ECB_00956] [ECB_00957] [ECB_00958] [ECB_00959] [ECB_00960] [ECB_00961] [ECB_00962] [ECB_00963] [ECB_00964] [ECB_00965] [ECB_00966] [ECB_00967] [ECB_00968] [ECB_00969] [ECB_00970] [ECB_00971] [ECB_00972] [ECB_00973] [ECB_00974] [ECB_00975] [ECB_00976] [ECB_00977] [ECB_00978] [ECB_00979] [ECB_00980] [ECB_00981] [ECB_00982] [ECB_00983] [ECB_00984] [ECB_00985] [ECB_00986] [ECB_00987] [ECB_00988] [ECB_00989] [ECB_00990] [ECB_00991] [ECB_00992] [ECB_00993] [ECB_00994] [ECB_00995] [ECB_00996] [ECB_00997] [ECB_00998] [ECB_00999] [ECB_01000] [ECB_01001] [ECB_01002] [ECB_01003] [ECB_01004] [ECB_01005] [ECB_01006] [ECB_01007] [ECB_01008] [ECB_01009] [ECB_01010] [ECB_01011] [ECB_01012] [ECB_01013] [ECB_01014] [ECB_01015] [ECB_01016] [ECB_01017] [ecpC] [ecpD] [ecpE] [ecpR] [ECB_01018] [ECB_01019] [ECB_01020] [ECB_01021] [ECB_01022] [ECB_01023] [ECB_01024] [ECB_01025] [ECB_01026] [ECB_01027] [ECB_01028] [ECB_01029] [ECB_01030] [ECB_01031] [ECB_01032] [ECB_01033] [ECB_01034] [ECB_01035] [ECB_01036] [ECB_01037] [ECB_01038] [ECB_01039] [ECB_01040] [ECB_01041] [ECB_01042] [ECB_01043] [ECB_01044] [ECB_01045] [ECB_01046] [ECB_01047] [ECB_01048] [ECB_01049] [ECB_01050] [ECB_01051] [ECB_01052] [ECB_01053] [ECB_01054] [ECB_01055] [ECB_01056] [ECB_01057] [ECB_01058] [ECB_01059] [ECB_01060] [ECB_01061] [ECB_01062] [ECB_01063] [ECB_01064] [ECB_01065] [ECB_01066] [ECB_01067] [ECB_01068] [ECB_01069] [ECB_01070] [ECB_01071] [ECB_01072] [ECB_01073] [ECB_01074] [ECB_01075] [ECB_01076] [ECB_01077] [ECB_01078] [ECB_01079] [ECB_01080] [ECB_01081] [ECB_01082] [ECB_01083] [ECB_01084] [ECB_01085] [ECB_01086] [ECB_01087] [ECB_01088] [ECB_01089] [ECB_01090] [ECB_01091] [ECB_01092] [ECB_01093] [ECB_01094] [ECB_01095] [ECB_01096] [ECB_01097] [ECB_01098] [ECB_01099] [ECB_01100] [ECB_01101] [ECB_01102] [ECB_01103] [ECB_01104] [ECB_01105] [ECB_01106] [ECB_01107] [ECB_01108] [ECB_01109] [ECB_01110] [ECB_01111] [ECB_01112] [ECB_01113] [ECB_01114] [ECB_01115] [ECB_01116] [ECB_01117] [ECB_01118] [ECB_01119] [ECB_01120] [ECB_01121] [ECB_01122] [ECB_01123] [ECB_01124] [ECB_01125] [ECB_01126] [ECB_01127] [ECB_01128] [ECB_01129] [ECB_01130] [ECB_01131] [ECB_01132] [ECB_01133] [ECB_01134] [ECB_01135] [ECB_01136] [ECB_01137] [ECB_01138] [ECB_01139] [ECB_01140] [ECB_01141] [ECB_01142] [ECB_01143] [ECB_01144] [ECB_01145] [ECB_01146] [ECB_01147] [ECB_01148] [ECB_01149] [ECB_01150] [ECB_01151] [ECB_01152] [ECB_01153] [ECB_01154] [ECB_01155] [ECB_01156] [ECB_01157] [ECB_01158] [ECB_01159] [ECB_01160] [ECB_01161] [ECB_01162] [ECB_01163] [ECB_01164] [ECB_01165] [ECB_01166] [ECB_01167] [ECB_01168] [ECB_01169] [ECB_01170] [ECB_01171] [ECB_01172] [ECB_01173] [ECB_01174] [ECB_01175] [ECB_01176] [ECB_01177] [ECB_01178] [ECB_01179] [ECB_01180] [ECB_01181] [ECB_01182] [ECB_01183] [ECB_01184] [ECB_01185] [ECB_01186] [ECB_01187] [ECB_01188] [ECB_01189] [ECB_01190] [ECB_01191] [ECB_01192] [ECB_01193] [ECB_01194] [ECB_01195] [ECB_01196] [ECB_01197] [ECB_01198] [ECB_01199] [ECB_01200] [ECB_01201] [ECB_01202] [ECB_01203] [ECB_01204] [ECB_01205] [ECB_01206] [ECB_01207] [ECB_01208] [ECB_01209] [ECB_01210] [ECB_01211] [ECB_01212] [ECB_01213] [ECB_01214] [ECB_01215] [ECB_01216] [ECB_01217] [ECB_01218] [ECB_01219] [ECB_01220] [ECB_01221] [ECB_01222] [ECB_01223] [ECB_01224] [ECB_01225] [ECB_01226] [ECB_01227] [ECB_01228] [ECB_01229] [ECB_01230] [ECB_01231] [ECB_01232] [ECB_01233] [ECB_01234] [ECB_01235] [ECB_01236] [ECB_01237] [ECB_01238] [ECB_01239] [ECB_01240] [ECB_01241] [ECB_01242] [ECB_01243] [ECB_01244] [ECB_01245] [ECB_01246] [ECB_01247] [ECB_01248] [ECB_01249] [ECB_01250] [ECB_01251] [ecpF] [ecpG] [ECB_01252] [ECB_01253] [ECB_01254] [ECB_01255] [ECB_01256] [ECB_01257] [ECB_01258] [ECB_01259] [ECB_01260] [ECB_01261] [ECB_01262] [ECB_01263] [ECB_01264] [ECB_01265] [ECB_01266] [ECB_01267] [ECB_01268] [ECB_01269] [ECB_01270] [ECB_01271] [ECB_01272] [ECB_01273] [ECB_01274] [ECB_01275] [ECB_01276] [ECB_01277] [ECB_01278] [ECB_01279] [ECB_01280] [ECB_01281] [ECB_01282] [ECB_01283] [ECB_01284] [ECB_01285] [ECB_01286] [ECB_01287] [ECB_01288] [ECB_01289] [ECB_01290] [ECB_01291]