







BB145	GBPABC transporter, permease prt (proW) {Ec}	66	BB557	phosphocarrier prt HPr (ptsH-2) {Hi}	69	BB141	membrane fusion prt (mtrC) {Hi}	47
BB144	GBPABC transporter, BP (proX) {Ec}	43	BB558	phosphoenolpyruvate- <i>pr</i> PPase (ptsI) {Sc}	65	BB126	multidrug-efflux transporter {Hp}	55
BB334	OPABC transporter, ATP-BP(oppD) {Bs}	75	BB408	PTS system, fru-specific IIABC (fruA-1) {Ec}	65	lp25		
BB335	OPABC transporter, ATP-BP (oppF) {Bs}	80	BB629	PTS system, fru-specific IIABC (fruA-2) {Ec}	68	BBE22	pyrazinamidase/nicotinamidase (pncA) {Mt}	56
BB332	OPABC transporter, permease prt (oppB-1){Ec}	68	BB559	PTS system, glu-specific IIA (crr) {Bb}	100	<i>Transposon-related functions</i>		
BB747	OPABC transporter, permease prt (oppB-2){Bs}	54	BB645	PTS system, glu-specific IIBC (ptsG) {Sc}	67	lp38		
BB333	OPABC transporter, permease prt (oppC-1){Hi}	64	BB116	PTS system, mal/glu-specific IIABC (malX) {Ec}	56	BBJ05	transposase-like prt, put {Bb}	89
BB746	OPABC transporter, permease prt (oppC-2){Bs}	52	BB677	RG ABC transporter, ATP-BP (mglA) {Mg}	68	lp36		
BB328	OPABC transporter, periplasmic BP (oppA-1) {Bb}	74	BB678	RG ABC transporter, permease prt (rbsC-1) {Mg}	51	BBK25	transposase-like prt, put {Bb}	80
BB329	OPABC transporter, periplasmic BP(oppA-2) {Bb}	94	BB679	RG ABC transporter, permease prt (rbsC-2) {Mp}	52	lp28-1		
BB330	OPABC transporter, periplasmic BP(oppA-3) {Bb}	81	cp26			BBF18	transposase-like prt, put {Bb}	96
BB642	SPABC transporter, ATP-BP (potA) {Ec}	69	BBB04	PTS system, cello-specific IIC (celB) {Bs}	62	BBF19	transposase-like prt, put {Bb}	96
BB641	SPABC transporter, permease prt (potB) {Ec}	65	BBB05	PTS system, cello-specific IIA(celC) {Bs}	61	lp28-2		
BB640	SPABC transporter, permease prt (potC) {Ec}	63	BBB06	PTS system, cello-specific IIB (celA) {Bs}	73	BBG05	transposase-like prt {Bb}	99
BB639	SPABC transporter, periplasmic BP(potD) {Ec}	53	BBB29	PTS system, glu-specific IIBC, put {Ec}	70	lp28-3		
lp54			<i>Cations</i>			BBH40	transposase-like prt, put {Bb}	57
BBA34	OPABC transporter, periplasmic BP(oppA-4) {Bc}	66	BB724	K+ transport prt (ntpJ) {Eh}	60	lp17		
cp26			BB380	Mg2+ transport prt (mgtE) {Bb}	100	BBD20	transposase-like prt, put {Bb}	99
BBB16	OPABC transporter, periplasmic BP(oppA) {Bb}	78	BB164	Na+/Ca+ exchange prt, put {Mj}	59	BBD23	transposase-like prt, put {Bb}	88
<i>Anions</i>			BB447	Na+/H+ antiporter (napA) {Eh}	57	<b>Unknown</b>		
BB218	P ABC transporter, ATP-BP(pstB) {Pa}	74	BB637	Na+/H+ antiporter (nhaC-1) {Bf}	48	BB528	aldose RDase, put {Bs}	57
BB216	P ABC transporter, permease prt (pstC) {Ec}	58	BB638	Na+/H+ antiporter (nhaC-2) {Hi}	50	BB684	carotenoid biosyn prt, put {Ss}	58
BB217	P ABC transporter, permease prt (pstA) {Syn}	63	<i>Other</i>			BB671	chemotaxis operon prt (cheX) {Bb}	99
BB215	P ABC transporter, periplasmic P-BP(pstS) {Syn}	48	BB451	chromate transport prt, put {Mj}	58	BB250	dedAprt (dedA) {Ec}	54
<i>Carbohydrates, organic alcohols, and acids</i>			<b>Othercategories</b>			BB168	dnaK suppressor, put {Ec}	53
BB240	glycerol uptake facilitator (glpF) {Bs}	57	<i>Adaptations and atypical conditions</i>			BB508	GTP-BP{Tp}	59
BB604	L-lactate permease (lctP) {Ec}	57	BB237	acid-inducible prt (act206) {Rm}	45	BB219	gufAprt {Mx}	54
BB318	methylgalactoside ABC transporter, ATP-BP (mglA) {Hi}	54	BB786	general stress prt (ctc) {Bs}	51	BB421	hydrolase {Hi}	58
BB814	pantothenate permease (panF) {Ec}	63	BB785	stage V sporulation prt G {Bm}	74	BB524	inositol monoPPase {Hs}	47
BB448	phosphocarrier prt HPr (ptsH-1) {Mg}	56	BB810	virulence factor mviN prt (mviN) {Hi}	51	BB454	lipopolysaccharide biosyn-related prt {Mj}	49
			<i>Colicin-related functions</i>			BB702	lipopolysaccharide biosyn-related prt {Hi}	62
			BB766	colicin V production prt, put {Hi}	52	BB045	P115 prt {Mh}	53
			BB546	outer membrane integrity prt (tolA) {Hi}	44	BB336	P26 {Bb}	100
			<i>Drug and analog sensitivity</i>			BB363	periplasmic prt {Bb}	100
			BB140	acriflavine resistance prt (acrB) {Hi}	53	BB033	small prt (smpB) {Rp}	70
			BB258	bacitracin resistance prt (bacA) {Ec}	56	BB297	smg prt {Bb}	100
			BB586	femAprt (femA) {Se}	47	BB443	spoIIIJ-associated prt (jag) {Bs}	56
						lp54		
						BBA76	thy1 prt (thy1) {Dd}	68
						lp28-4		
						BBI06	pfs prt (pfs) {Ec}	59
						cp9		
						BBC09	rev prt (rev) {Bb}	62
						BBC10	rev prt (rev) {Bb}	66