

Table S1 PTS predicted in *L. plantarum* ZJ316

Locus tag	Gene	Predictive enzyme function
zj316_0099		PTS system, cellobiose-specific IIC component
zj316_0135	<i>pts29C</i>	PTS system, cellobiose-specific EIIC component
zj316_0140	<i>pts30BCA</i>	PTS system, β -glucosides-specific EIIBCA component
zj316_0144	<i>pts33BCA</i>	PTS system, β -glucoside-specific EIIBCA component
zj316_0154		PTS system, ascorbate-specific IIC component
zj316_0155	<i>pts34B</i>	PTS system, lactose/cellobiose-specific EIIB component
zj316_0156	<i>pts34A</i>	PTS system, mannitol-specific EIIA component
zj316_0160	<i>pts35C</i>	PTS system, galactitol-specific EIIC component
zj316_0161	<i>pts35B</i>	PTS system, galactitol-specific EIIB component
zj316_0162	<i>pts35A</i>	PTS system, galactitol-specific EIIA component
zj316_0191	<i>pts38A</i>	PTS system, glucitol/sorbitol-specific EIIA component
zj316_0192	<i>pts38BC</i>	PTS system, glucitol/ sorbitol-specific EIIB component and second of two IIC components
zj316_0193	<i>pts38C</i>	PTS system, glucitol/sorbitol-specific EIIC component
zj316_0392	<i>pts1BCA</i>	PTS system, oligosucrose-specific EIIBCA component
zj316_0433	<i>pts2CB</i>	PTS system, mannitol-specific EIICB component
zj316_0435	<i>pts2A</i>	PTS system, mannitol-specific EIIA component
zj316_0446	<i>pts3C</i>	PTS system, cellobiose-specific EIIC component
zj316_0463	<i>pts4ABC</i>	PTS system, trehalose-specific IIBC component
zj316_0464	<i>pts5ABC</i>	PTS system, trehalose-specific IIBC component
zj316_0483	<i>pts6C</i>	PTS system, cellobiose-specific EIIC component
zj316_0601	<i>pts7C</i>	PTS system, cellobiose-specific EIIC component
zj316_0604	<i>pts8C</i>	PTS system, cellobiose-specific EIIC component
zj316_0719	<i>pts9AB</i>	PTS system mannose-specific EIIAB component
zj316_0720	<i>pts9C</i>	PTS system, mannose-specific EIIC component
zj316_0721	<i>pts9D</i>	PTS system, mannose-specific IID component
zj316_0724	<i>pts10A</i>	PTS system, mannose-specific EIIA component
zj316_0927	<i>pts11A</i>	PTS system, EIIA component
zj316_0980		PTS system, cellobiose-specific IIA component
zj316_1183	<i>pts13C</i>	PTS system, cellobiose-specific EIIC component
zj316_1193	<i>pts14C</i>	PTS system, cellobiose-specific EIIC component
zj316_1296	<i>ptsI</i>	Phosphoenolpyruvate-protein phosphotransferase
zj316_1445	<i>pts15A</i>	PTS system, β -glucosides-specific EIIA component
zj316_1446	<i>pts15B</i>	PTS system, β -glucosides-specific EIIB component
zj316_1447	<i>pts15C</i>	PTS system, β -glucosides-specific EIIC component
zj316_2100	<i>fruA</i>	PTS system, fructose-specific EIIABC component
zj316_2204	<i>pts17A</i>	PTS system, glucitol/sorbitol-specific EIIA component
zj316_2460	<i>pts18CBA</i>	PTS system, <i>N</i> -acetylglucosamine and glucose-specific EIICBA component
zj316_2545	<i>pts19A</i>	PTS system, <i>N</i> -acetylglucosamine/galactosamine-specific EIIA component
zj316_2546	<i>pts19D</i>	PTS system, <i>N</i> -acetylglucosamine-specific EIID component
zj316_2547	<i>pts19C</i>	PTS system, <i>N</i> -acetylglucosamine-specific EIIC component
zj316_2548	<i>pts19B</i>	PTS system, <i>N</i> -acetylglucosamine-specific EIIB component
zj316_2663	<i>pts20A</i>	PTS system, cellobiose-specific EIIA component
zj316_2664	<i>pts20B</i>	PTS system, cellobiose-specific EIIB component
zj316_2822	<i>pts22CBA</i>	PTS system, <i>N</i> -acetylglucosamine-specific EIICBA component
zj316_2857	<i>pts23A</i>	PTS system, cellobiose-specific EIIA component
zj316_2858	<i>pts23B</i>	PTS system, cellobiose-specific EIIB component
zj316_2859	<i>pts23C</i>	PTS system, cellobiose-specific EIIC component
zj316_2987		PTS system, cellobiose-specific IIC component
zj316_3052	<i>pts26BCA</i>	PTS system, sucrose-specific EIIBCA component
zj316_3065		PTS system, fructose-specific IIC component
zj316_3071	<i>pts28ABC</i>	PTS system, β -glucosides-specific EIIABC component