

Table S2 Peptidases and proteases genes in *L. plantarum* ZJ316

Locus tag	Gene	Predictive enzyme function
Peptidases		
zj316_0078	<i>pepO</i>	Endopeptidase PepO
zj316_0209	<i>pepC2</i>	Cysteine aminopeptidase
zj316_0210	<i>pepC2</i>	Cysteine aminopeptidase
zj316_0212	<i>sip3</i>	Signal peptidase I
zj316_0300	<i>pepI</i>	Proline iminopeptidase
zj316_0301	<i>pepI</i>	Proline iminopeptidase
zj316_0432	<i>pepD1</i>	Dipeptidase
zj316_0457	<i>pepM</i>	Methionine aminopeptidase
zj316_0527	<i>pepD2</i>	Dipeptidase
zj316_0784	<i>gpp</i>	Glycoprotein endopeptidase, M22 family
zj316_0829	<i>aad</i>	D-alanyl-D-alanine dipeptidase
zj316_0902	<i>pepR1</i>	Proline iminopeptidase
zj316_0905	<i>pepX</i>	Xaa-Pro dipeptidyl-peptidase
zj316_0983	<i>pepN</i>	Membrane alanine aminopeptidase (Aminopeptidase N)
zj316_1007	<i>pepD3</i>	Dipeptidase
zj316_1060	<i>dacB</i>	Serine-type D-Ala-D-Ala carboxypeptidase
zj316_1200	<i>pbpX1</i>	Serine-type D-Ala-D-Ala carboxypeptidase
zj316_1300	<i>dacA2</i>	Serine-type D-Ala-D-Ala carboxypeptidase
zj316_1337	<i>pepV</i>	Xaa-His dipeptidase
zj316_1572	<i>pepE</i>	Dipeptidase
zj316_1590	<i>pepP</i>	Xaa-Pro aminopeptidase
zj316_1708	<i>pepD4</i>	Dipeptidase
zj316_1755	-	Muramoyl-tetrapeptide carboxypeptidase, S66 family
zj316_1758	-	Muramoyl-tetrapeptide carboxypeptidase, S66 family
zj316_1768	<i>lspA</i>	Lipoprotein signal peptidase
zj316_1878	<i>pepT</i>	Peptidase T
zj316_1983	<i>pbpX2</i>	Serine-type D-Ala-D-Ala carboxypeptidase
zj316_2211	<i>pepF1</i>	Oligoendopeptidase F
zj316_2242	<i>pepQ</i>	Xaa-Pro dipeptidase
zj316_2285	-	Non-proteolytic protein, peptidase family M16
zj316_2527	<i>pepF2</i>	Oligoendopeptidase F
zj316_2732	<i>sip1</i>	Signal peptidase I
zj316_2905	<i>amd</i>	Aminohydrolase/peptidase, M20D family
zj316_3026	<i>dacA1</i>	Serine-type D-Ala-D-Ala carboxypeptidase
Proteases		
zj316_0185	<i>clpL</i>	ATP-dependent Clp protease, ATP-binding subunit ClpL
zj316_0262	<i>htrA</i>	Serine protease HtrA
zj316_0496	-	Membrane-bound protease, CAAX family
zj316_0497	-	Membrane-bound protease, CAAX family
zj316_0584	<i>plnP</i>	Bacteriocin immunity protein PlnP, membrane-bound protease CAAX family

zj316_0594	<i>plnU</i>	putative membrane protein PlnU,membrane-bound protease CAAX family
zj316_0595	<i>plnV</i>	putative membrane protein plnV,membrane-bound protease CAAX family
zj316_0596	<i>plnW</i>	putative membrane protein PlnW,membrane-bound protease CAAX family
zj316_0660	<i>htpX</i>	Protease HtpX-like protein
zj316_0692	<i>ftsH</i>	ATP-dependent zinc metalloprotease FtsH
zj316_0791	-	Membrane-bound protease, CAAX family
zj316_0843	<i>clpP</i>	ATP-dependent Clp protease proteolytic subunit
zj316_0964	-	Membrane-bound protease, CAAX family
zj316_1065	<i>clpC</i>	ATP-dependent Clp protease, ATP-binding subunit ClpC
zj316_1293	<i>clpE</i>	ATP-dependent Clp protease, ATP-binding subunit ClpE
zj316_1363	-	Membrane-bound protease, CAAX family
zj316_1569	-	Membrane-bound protease, rhomboid family
zj316_1828	<i>hslU</i>	ATP-dependent protease ATPase subunit HslU
zj316_1829	<i>hslV</i>	ATP-dependent protease subunit HslV
zj316_2007	-	Zinc-dependent protease, membrane associated
zj316_2054	-	Protease subunit of ATP-dependent Clp protease
zj316_2119	<i>clpX</i>	ATP-dependent Clp protease ATP-binding subunit ClpX
zj316_2773	-	Membrane-bound protease, CAAX family