

Table S2. Genes differentially regulated in *X. fastidiosa* cells grown in PWG, XFM, and XFM supplemented with glucan and pectin based on whole-genome microarray comparisons

Cluster	Genes	
	Up	Down
I	PD0029 hypothetical protein	PD0503 hypothetical protein
	PD0298 hypothetical protein	PD1030 hypothetical protein
	PD0313 serine protease	PD1291GTP-binding protein Era
	PD0318 hypothetical protein	PD1524 hypothetical protein
	PD0901 glutathione peroxidase-like protein	PD1565 hypothetical protein
	PD0912 hypothetical protein	PD1700 hypothetical protein
	PD0987 hypothetical protein	PD1893 hypothetical protein
	PD1408 autolytic lysozyme	PD1987 hypothetical protein
	PD1960 30S ribosomal protein S2	PD2089 hypothetical protein
	PD2032 hypothetical protein	
II	PD1502 acyl carrier protein	
	PD1729 hypothetical protein	
III	PD0632 phosphotransferase system HPr enzyme	PD0037 DNA helicase II
	PD0666 translation initiation factor IF-1	PD0916 hypothetical protein
	PD0674 transmembrane protein	PD0929 hypothetical protein
	PD0750 citrate synthase	PD1119 hypothetical protein
	PD0919 hypothetical protein	
	PD0948 carboxyl-terminal protease	
	PD2109 hypothetical protein	

IV	PD0062 fimbrial subunit precursor	PD0098 cysteine synthase
	PD0069 hypothetical protein	PD0216 colicin V precursor
	PD0095 carbon storage regulator	PD0297 gamma-glutamyl phosphate reductase
	PD0236 aconitate hydratase	PD0464 competence-related protein
	PD0244 hypothetical protein	PD0498 hypothetical protein
	PD0281 dihydroorotase	PD0511 hypothetical protein
	PD0301 hypothetical protein	PD0549 electron transfer flavoprotein
	PD0303 hypothetical protein	ubiquinone oxidoreductase
	PD0328 1-deoxy-D-xylulose-5-phosphate reductoisomerase	PD0566 cell division topological specificity factor MinE
	PD0363 phage-related tail protein	PD0587 hypothetical protein
	PD0366 phage-related baseplate assembly protein	PD0621 cytochrome O ubiquinol oxidase subunit
	PD0377 hypothetical protein	IV
	PD0380 hypothetical protein	PD0625 octaprenyl-diphosphate synthase
	PD0381 hypothetical protein	PD0649 hypothetical protein
	PD0400 transcription elongation factor GreA	PD0692 ABC transporter ATP-binding protein
	PD0665 ATP-dependent Clp protease subunit	PD0714 phosphoadenosine phosphosulfate reductase
	PD0796 hypothetical protein	PD0740 general secretion pathway protein
	PD0906 hypothetical protein	PD0757 peptidoglycan-associated outer membrane lipoprotein precursor
	PD0939 hypothetical protein	PD0759 dihydrolipoamide acetyltransferase
	PD0952 conjugal transfer protein	PD0744 hypothetical protein
	PD0994 hypothetical protein	PD0778 biotin synthesis protein
	PD1050 hypothetical protein	PD0787 5'-nucleotidase
	PD1093 hypothetical protein	PD0788 hypothetical protein
	PD1097 phage-related baseplate assembly protein	PD0812 hypothetical protein
	PD1101 phage-related baseplate assembly protein	PD0844 glutathione synthetase
	PD1106 hypothetical protein	PD0862 glucose-inhibited division protein B
	PD1110 phage-related packaging protein	PD0920 hypothetical protein
	PD1111 hypothetical protein	PD0926 hypothetical protein
	PD1113 phage-related lysozyme	PD0996 aspartyl-tRNA synthetase
	PD1132 hypothetical protein	PD0973 hypothetical protein
	PD1134 phage-related DNA polymerase	PD0973 hypothetical protein
	PD1137 hypothetical protein	PD1052 methanol dehydrogenase regulatory protein
	PD1182 hypothetical protein	PD1084 hypothetical protein
	PD1194 hypothetical protein	PD1121 hypothetical protein
	PD1196 phage-related integrase	PD1158 hypothetical protein
	PD1391 GumH protein	PD1203 ABC transporter phosphate permease
	PD1394 GumD protein	PD1208 dimethyladenosine transferase
	PD1396 GumB protein	PD1211 hypothetical protein
	PD1419 hypothetical protein	PD1219 hypothetical protein
	PD1421 hypothetical protein	PD1238 hypothetical protein
	PD1425 hypothetical protein	PD1243 hypothetical protein
	PD1429 DNA helicase	PD1244 hypothetical protein
	PD1611 fimbrial assembly protein	PD1245 hypothetical protein
	PD1613 hypothetical protein	PD1254 oxidoreductase
	PD1619 GTP-binding protein EngA	PD1264 imidazole glycerol phosphate synthase subunit HisH
	PD1636 hypothetical protein	PD1255 hypothetical protein
	PD1644 30S ribosomal protein S21	PD1292 DNA repair protein RecO

V	PD0106 leucyl aminopeptidase	PD0021 hypothetical protein
	PD0195 ribosome-binding factor A	PD0023 PilY1 protein homolog
	PD0256 NADH dehydrogenase subunit I	PD0105 hypothetical protein
	PD0362 tetraacyldisaccharide 4'-kinase	PD0138 formamidopyrimidine-DNA glycosylase
	PD0386 hypothetical protein	PD0143 hemolysin III protein
	PD0456 50S ribosomal protein L15	PD0183 protein export protein SecF
	PD0610 tRNA pseudouridine synthase A	PD0220 hypothetical protein
	PD0738 general secretory pathway protein K	PD0290 ornithine carbamoyltransferase
	PD0825 transmembrane protein	PD0310 pathogenicity-related protein
	PD0995 hypothetical protein	PD0311 acyl-CoA thioesterase II
	PD0998 hypothetical protein	PD0324 (3 <i>R</i>)-hydroxymyristoyl ACP
	PD1118 hypothetical protein	dehydratase
	PD1241 hypothetical protein	PD0325 UDP-3- <i>O</i> -[3-
	PD1380 cold shock protein	hydroxymyristoyl]glucosamine <i>N</i> -acyltransferase
	PD1523 endonuclease III	PD0333 hypothetical protein
	PD1674 dinucleoside polyphosphate	PD0389 hypothetical protein
	hydrolase	PD0390 hypothetical protein
	PD1715 hypothetical protein	PD0492 malate dehydrogenase
	PD2005 50S ribosomal protein L11	PD0551 hypothetical protein
	PD2057 carboxyl-terminal protease	PD0614 DNA repair protein
	PD2111 hypothetical protein	PD0667 leucyl/phenylalanyl-tRNA--protein
	PD2112 hypothetical protein	transferase
	PD2113 hypothetical protein	PD0687 Shf protein
		PD0689 benzene 1,2-dioxygenase, ferredoxin
		protein
		PD0828 bifunctional phosphoribosylamino-
		imidazolecarboxamide formyltransferase/IMP
		cyclohydrolase
		PD0872 iron-sulfur flavoprotein
		PD1040 organic hydroperoxide resistance
		protein
		PD1070 porphyrin biosynthesis protein
		PD1128 hypothetical protein
		PD1130 hypothetical protein
		PD1214 hypothetical protein
		PD1233 nicotinic acid mononucleotide
		adenyltransferase
		PD1234 hypothetical protein
		PD1275 Holliday junction resolvase-like protein
		PD1322 phage-related DNA polymerase
		PD1333 IS1327 transposase
		PD1371 heat shock protein GrpE
		PD1386 response regulator
		PD1413 hemolysin secretion protein D
		PD1445 hypothetical protein
		PD1461 pantothenase
		PD1521 integral membrane protein
		PD1531 hypothetical protein
		PD1564 phosphoribosylaminoimidazole
		synthetase
		PD1632 regulatory protein pilH family
		PD1693 fimbrial assembly membrane protein

VI	PD0055 signal recognition particle protein	PD0084 50S ribosomal protein L19
	PD0066 RNA-binding protein Hfq	PD0099 hypothetical protein
	PD0198 polynucleotide phosphorylase	PD0104 DNA polymerase III subunit chi
	PD0244 hypothetical protein	PD0117 DNA repair protein RadC
	PD0266 two-component system, sensor protein	PD0166 phosphoribosylaminoimidazole-succinocarboxamidesynthase
	PD0299 hypothetical protein	PD0288 hypothetical protein
	PD0303 hypothetical protein	PD0314 hypothetical protein
	PD0313 serine protease	PD0579 hypothetical protein
	PD0384 phage-related integrase	PD0594 DNA topoisomerase IV subunit A
	PD0407 enoyl-CoA hydratase	PD0641 hypothetical protein
	PD0478 peptidyl-prolyl cis-trans isomerase	PD0812 DNA primase
	PD0556 hypothetical protein	PD0843 TonB protein
	PD0790 DNA primase	PD1159 transcriptional regulator
	PD0891 TolQ protein	PD1209 hypothetical protein
	PD0912 hypothetical protein	PD1227 hypothetical protein
	PD0925 hypothetical protein	PD1232 DNA polymerase III subunit delta
	PD0943 hypothetical protein	PD1257 cationic amino acid transporter
	PD0986 hemagglutinin-like secreted protein	PD1293 1-deoxy-D-xylulose-5-phosphate synthase
	PD0987 hypothetical protein	PD1407 hypothetical protein
	PD1115 hypothetical protein	PD1424 hypothetical protein
	PD1139 phage-related integrase	PD1426 hypothetical protein
	PD1240 hypothetical protein	PD1565 hypothetical protein
	PD1253 elongation factor P	PD1574 recombination associated protein
	PD1328 hypothetical protein	PD1671 two-component, response regulator
	PD1336 polysaccharide export protein	PD1700 hypothetical protein
	PD1350 conjugal transfer protein	PD1716 hypothetical protein
	PD1389 GumJ protein	PD1745 3,4-dihydroxy-2-butanone 4-phosphate synthase
	PD1549 UptF protein	PD1827 beta-hexosaminidase precursor
	PD1558 DNA transport competence protein	PD1980 pterin-4-alpha-carbinolamine dehydratase
	PD1729 hypothetical protein	PD1987 hypothetical protein
	PD1750 serine hydroxymethyltransferase	PDa0002 replication protein
	PD1792 hemagglutinin-like protein	
	PD1815 hypothetical protein	
	PD1926 fimbrial protein	
	PD1993 temperature acclimation protein B	
	PD2116 hemagglutinin-like secreted protein	
	PD2118 hemagglutinin-like secreted protein	

Cluster I: Genes differentially expressed in XFM, XFM-glucan, and XFM-pectin in relation to PWG.

Cluster II: Genes differentially expressed in the presence of pectin and glucan in relation to XFM.

Cluster III: Genes differentially expressed in XFM in relation to PWG, but for which both glucan and pectin supplementation result in PWG-like expression.

Cluster IV: Genes differentially expressed in the presence of pectin only.

Cluster V: Genes differentially expressed in the presence of glucan only.

Cluster VI: Genes differentially expressed in the presence of pectin and glucan only.