

**Table S4. WH0003 strain-specific ORFs**

<b>WH0003 Locus Tag</b> (genome accession #AESD01000000)	<b>RAST annotated function</b>	<b>Length</b> <b>(bp)</b>
<b>Functions without apparent homologues in WH8501 genome</b>		
CWATWH0003_0028	tRNA-Met-CAT	74
CWATWH0003_0104	Oxygen-insensitive NAD(P)H nitroreductase (EC 1.----.) / Dihydropteridine reductase (EC 1.5.1.34)	606
CWATWH0003_0316	ASPIC/UnbV domain protein	477
CWATWH0003_0427	Xanthine dehydrogenase, molybdenum binding subunit (EC 1.17.1.4)	2124
CWATWH0003_0428	Putative xanthine dehydrogenase yagS, FAD binding subunit (EC 1.17.1.4)	996
CWATWH0003_0429	Xanthine dehydrogenase iron-sulfur subunit (EC 1.17.1.4)	633
CWATWH0003_0474	serine/threonine kinase with WD-40 repeat	1362
CWATWH0003_0544	group-specific protein	1032
CWATWH0003_0613	carotenoid oxygenase	1443
CWATWH0003_0733	Probable poly(beta-D-mannuronate) O-acetylase (EC 2.3.1.-)	1458
CWATWH0003_0939	putative phosphodiesterase/alkaline phosphatase D	1050
CWATWH0003_1079	FOG: CheY-like receiver	360
CWATWH0003_1344	insecticidal toxin complex protein	2298
CWATWH0003_1349	insecticidal toxin complex-like protein	621
CWATWH0003_1424	Formyltetrahydrofolate deformylase (EC 3.5.1.10)	855
CWATWH0003_1517	TrwC protein	3930
CWATWH0003_1524	ParA family protein	765
CWATWH0003_2000	conserved hypothetical protein, nucleotidyltransferase domain	333
CWATWH0003_2009	tRNAAHis guanylyltransferase family protein	576
CWATWH0003_2054	Lipopolysaccharide biosynthesis protein-like protein	1011
CWATWH0003_2086	CheA like protein	1722
CWATWH0003_2087	CheA like protein	1728
CWATWH0003_2369	High molecular weight glutenin subunit x precursor	1155
CWATWH0003_2382	Long-chain-fatty-acid--CoA ligase (EC 6.2.1.3)	1893
CWATWH0003_2536	Methionine synthase II (cobalamin-independent)	993
CWATWH0003_3010	Kef-type K <sup>+</sup> transport system predicted NAD-binding component-like protein	168
CWATWH0003_3286	High-affinity carbon uptake protein Hat/HatR	3486
CWATWH0003_3499	Sugar transferase involved in lipopolysaccharide synthesis-like	729

CWATWH0003_3503	macrocin-O-methyltransferase	684
CWATWH0003_3505	WblG protein	1014
CWATWH0003_3507	O-antigen translocase	1314
CWATWH0003_3514	UDP-N-acetyl-D-mannosamine 6-dehydrogenase, putative	1326
CWATWH0003_3516	polysaccharide export protein	1314
CWATWH0003_3721	Glutamine synthetase inactivating factor IF7	198
CWATWH0003_3821	probable cellulase	1521
CWATWH0003_3823	Polypeptide-transport-associated domain protein ShlB-type	1641
CWATWH0003_3866	Maltose/maltodextrin ABC transporter, substrate binding periplasmic protein MalE	1245
CWATWH0003_3891	phage head morphogenesis protein, SPP1 gp7 family	915
CWATWH0003_4012	cupin 2 domain-containing protein	219
CWATWH0003_4135	DNA sulfur modification protein DndB	876
CWATWH0003_4174	nonspecific acid phosphatase precursor	1014
CWATWH0003_4391	Parallel beta-helix repeat protein	1236
CWATWH0003_4596	FG-GAP repeat-containing protein	477
CWATWH0003_4600	HlyB family protein	1659
CWATWH0003_4813	Rossmann fold nucleotide-binding protein Smf possibly involved in DNA uptake	960
CWATWH0003_4855	Macrolide specific ABC-type transporter, ATP-binding protein	1023
CWATWH0003_4891	Primase 2	1533
CWATWH0003_4904	mobilization protein BmgA	879
CWATWH0003_5109	Relaxase/mobilization nuclease family protein	1407
CWATWH0003_5219	putative deacetylase sulfotransferase	846
CWATWH0003_5277	protein phosphatase/cyclic nucleotide-binding domain protein	864
CWATWH0003_5349	probable lysozyme	1371
CWATWH0003_5355	liver stage antigen, putative	2550
CWATWH0003_5389	Chitinase, Cellulase( EC:3.2.1.14,EC:3.2.1.4 )	1023
CWATWH0003_5432	plasmid partitioning protein ParA	657
CWATWH0003_5629	Rhs family protein	5409
CWATWH0003_5639	Phycobilisome rod-core linker polypeptide, phycocyanin-associated	375

#### Functions with apparent homologues in WH8501 genome

CWATWH0003_0032	prevent-host-death family protein	192
CWATWH0003_0087	peptidase M48, Ste24p	810
CWATWH0003_0088	Peptidase M48	579
CWATWH0003_0106	transcriptional regulator	867
CWATWH0003_0107	Glutathione S-transferase, omega (EC 2.5.1.18)	315

CWATWH0003_0108	dolichol-phosphate mannosyltransferase, fused to membrane-bound GtrA-like domain	147
CWATWH0003_0109	GAF Sensor Signal Transduction Histidine Kinase	1548
CWATWH0003_0111	Integrase, catalytic region	294
CWATWH0003_0112	Integrase, catalytic region	201
CWATWH0003_0119	peptidase M23B	450
CWATWH0003_0130	AAA ATPase	1074
CWATWH0003_0200	WD-40 repeat protein	213
CWATWH0003_0331	Pentapeptide repeat	597
CWATWH0003_0332	MscS Mechanosensitive ion channel	1101
CWATWH0003_0441	Phycobilisome linker polypeptide	777
CWATWH0003_0608	filamentous haemagglutinin family outer membrane protein	2472
CWATWH0003_0609	TPR repeat protein	2355
CWATWH0003_0611	adenylate cyclase	1353
CWATWH0003_0612	Histidine Kinase	630
CWATWH0003_0618	ATPase	1530
CWATWH0003_0630	chromosome partitioning protein, ParB family	690
CWATWH0003_0632	probable dehydrogenase/reductase	966
CWATWH0003_0734	NADH dehydrogenase (EC 1.6.99.3)	1251
CWATWH0003_0755	sulfotransferase	750
CWATWH0003_0775	WD-40 repeat protein	300
CWATWH0003_1081	methyl-accepting chemotaxis sensory transducer	1185
CWATWH0003_1197	integrase family protein	576
CWATWH0003_1207	integrase family protein	435
CWATWH0003_1274	ATPase	1479
CWATWH0003_1285	phosphate acetyltransferase( EC:2.3.1.8 )	486
CWATWH0003_1286	peptidase A2A retrovirus catalytic	402
CWATWH0003_1356	integrase/recombinase	132
CWATWH0003_1426	Gluconolactonase (EC 3.1.1.17)	897
CWATWH0003_1429	Protein kinase	1467
CWATWH0003_1431	DNA polymerase beta domain protein region	375
CWATWH0003_1502	WD-repeat containing protein	1623
CWATWH0003_1521	Superfamily I DNA and RNA helicases and helicase subunits-like	2931
CWATWH0003_1523	parB-like partition protein	828
CWATWH0003_1686	TPR domain protein, putative	729
CWATWH0003_1745	transcriptional regulator, LysR family	897
CWATWH0003_1772	VCBS	624
CWATWH0003_1875	glycosyl transferase family 2	915
CWATWH0003_1972	Superfamily II DNA/RNA helicases, SNF2 family	1707
CWATWH0003_2003	exonuclease	861
CWATWH0003_2088	methyl accepting chemotaxis protein	3396
CWATWH0003_2091	methyl-accepting chemotaxis sensory transducer with GAF sensor	3444

CWATWH0003_2092	CheW protein	558
CWATWH0003_2093	response regulator receiver protein	363
CWATWH0003_2256	Putative Ig	408
CWATWH0003_2372	HNH endonuclease	399
CWATWH0003_2374	integrase family protein	858
CWATWH0003_2378	HicB family protein	354
CWATWH0003_2381	NB-ARC domain-containing protein	1554
CWATWH0003_2479	methyl-accepting chemotaxis protein	1164
CWATWH0003_2495	GUN4 domain protein	585
CWATWH0003_2660	two-component system sensor histidine kinase/response	2139
CWATWH0003_2737	glycosyl transferase family 2	378
CWATWH0003_2740	glycosyl transferase group 1	1101
CWATWH0003_2741	short-chain dehydrogenase/reductase SDR	738
CWATWH0003_2742	D-3-phosphoglycerate dehydrogenase (EC 1.1.1.95)	954
CWATWH0003_2743	acylneuraminate cytidyltransferase	696
CWATWH0003_2879	HNH endonuclease	138
CWATWH0003_2880	HNH endonuclease	612
CWATWH0003_2881	WD-40 repeat protein	4449
CWATWH0003_2977	glycerophosphoryl diester phosphodiesterase	1491
CWATWH0003_3008	transcriptional regulator, AbrB family	246
CWATWH0003_3009	pentapeptide repeat protein	495
CWATWH0003_3074	membrane protein of unknown function UCP014873	525
CWATWH0003_3078	Potassium efflux system KefA protein / Small-conductance mechanosensitive channel	1449
CWATWH0003_3163	response regulator receiver protein	1164
CWATWH0003_3164	methyl-accepting chemotaxis sensory transducer	1365
CWATWH0003_3287	peptidase S1 and S6 chymotrypsin/Hap	1104
CWATWH0003_3290	TPR repeat	3144
CWATWH0003_3294	Tetratricopeptide TPR_2 repeat protein	1104
CWATWH0003_3296	ABC transporter related	1311
CWATWH0003_3297	UDP-N-acetylenolpyruvoylg glucosamine reductase (EC 1.1.1.158)	846
CWATWH0003_3300	glycosyltransferase	1191
CWATWH0003_3302	glycosyl transferase group 1	1038
CWATWH0003_3371	periplasmic phosphate-binding protein of phosphate ABC transporter	249
CWATWH0003_3386	glycosyl transferase family 8	804
CWATWH0003_3387	Glutathione S-transferase, omega (EC 2.5.1.18)	177
CWATWH0003_3455	plasmid maintenance system killer protein, putative	192
CWATWH0003_3497	short-chain dehydrogenase/reductase SDR	522
CWATWH0003_3500	Pyruvate dehydrogenase (lipoamide)( EC:1.2.4.1 )	987
CWATWH0003_3501	Pyruvate dehydrogenase (lipoamide)	1044
CWATWH0003_3502	putative aldo/keto reductase	933

CWATWH0003_3504	glycosyl transferase, group 1	1179
CWATWH0003_3508	DegT/DnrJ/EryC1/StrS aminotransferase family protein	1053
CWATWH0003_3512	acetyltransferase, putative	591
CWATWH0003_3513	oxidoreductase domain protein	945
CWATWH0003_3515	polysaccharide biosynthesis protein CapD	1884
CWATWH0003_3528	TPR domain protein	1575
CWATWH0003_3676	TPR domain protein	276
CWATWH0003_3743	Ribonuclease PH (EC 2.7.7.56)	528
CWATWH0003_3759	WD-repeat protein	243
CWATWH0003_3865	Potassium efflux system KefA protein / Small-conductance mechanosensitive channel	1329
CWATWH0003_3868	aldo/keto reductase family protein( EC:1.1.1.21 )	951
CWATWH0003_3871	Amidase	1641
CWATWH0003_4082	NADH dehydrogenase subunit 5	804
CWATWH0003_4083	NADH dehydrogenase subunit 4, Involved in CO2 fixation	1491
CWATWH0003_4104	putative arylsulfatase regulatory protein	396
CWATWH0003_4105	putative arylsulfatase regulatory protein	777
CWATWH0003_4109	cytosine-specific DNA methyltransferase	555
CWATWH0003_4110	deoxyribose-phosphate aldolase( EC:4.1.2.4 )	870
CWATWH0003_4111	transcriptional regulator, XRE family	315
CWATWH0003_4163	cytosine-specific DNA methyltransferase	696
CWATWH0003_4230	periplasmic oligopeptide-binding protein of oligopeptide ABC transporter	1656
CWATWH0003_4338	RNA-binding protein	219
CWATWH0003_4339	RNA-binding protein	243
CWATWH0003_4480	Secretion protein HlyD	2889
CWATWH0003_4620	DNA repair helicase rad3, putative	1839
CWATWH0003_4696	FdxN element excision controlling factor protein	336
CWATWH0003_4698	type I restriction-modification system, M subunit	885
CWATWH0003_4739	methyl-accepting chemotaxis protein, putative	2187
CWATWH0003_4740	methyl-accepting chemotaxis protein	2418
CWATWH0003_4742	two-component response regulator	336
CWATWH0003_4812	Multiple antibiotic resistance (MarC)-related proteins	630
CWATWH0003_4850	efflux transporter, RND family, MFP subunit	1446
CWATWH0003_4852	Outer membrane efflux protein family	1533
CWATWH0003_4853	ABC transporter related	762
CWATWH0003_4887	DNA polymerase beta domain protein region	315
CWATWH0003_4898	NAD/NADP transhydrogenase beta subunit	1140
CWATWH0003_4911	single-strand DNA-binding protein	759
CWATWH0003_4915	Single-stranded DNA-binding protein	408
CWATWH0003_4916	hypothetical transcriptional regulator	348

CWATWH0003_4930	response regulator receiver modulated CheB methylesterase( EC:3.1.1.61 )	885
CWATWH0003_4931	response regulator receiver modulated serine phosphatase	1182
CWATWH0003_4974	Phosphate transport system permease protein PstA (TC 3.A.1.7.1)	960
CWATWH0003_4975	Phosphate transport system permease protein pstC (TC 3.A.1.7.1)	930
CWATWH0003_4976	Phosphate ABC transporter, periplasmic phosphate-binding protein PstS (TC 3.A.1.7.1)	939
CWATWH0003_4978	Lipoate synthase, cyanobacterial paralog	897
CWATWH0003_5013	Integrase/recombinase	549
CWATWH0003_5116	Nucleoside-diphosphate-sugar epimerases	891
CWATWH0003_5133	glycosyl transferase family 2	381
CWATWH0003_5199	transcriptional regulator	300
CWATWH0003_5201	Helix-turn-helix motif	303
CWATWH0003_5202	Plasmid maintenance system killer protein	294
CWATWH0003_5208	Phycobilisome linker polypeptide	270
CWATWH0003_5209	integrase family protein	810
CWATWH0003_5218	dTDP-4-dehydrorhamnose reductase (EC 1.1.1.133)	885
CWATWH0003_5256	putative helicase	2586
CWATWH0003_5257	aldo/keto reductase	1047
CWATWH0003_5264	Malonyl CoA-acyl carrier protein transacylase (EC 2.3.1.39)	1311
CWATWH0003_5276	WD-40 repeat protein	885
CWATWH0003_5386	Phycobilisome linker polypeptide	1383
CWATWH0003_5402	Substrate-binding region of ABC-type glycine betaine transport system	1416
CWATWH0003_5403	putative lipoprotein	663
CWATWH0003_5433	Chromosome (plasmid) partitioning protein ParB / Stage 0 sporulation protein J	897
CWATWH0003_5504	ATPase	1542
CWATWH0003_5517	Alpha/beta hydrolase fold-3 domain protein	408
CWATWH0003_5520	methyltransferase	753
CWATWH0003_5567	chromosome partitioning protein, ParA family ATPase	747
CWATWH0003_5571	DNA primase (EC 2.7.7.-)	3327
CWATWH0003_5596	Translation elongation factor G-related protein	1866
CWATWH0003_5618	phosphate ABC-transporter periplasmic phosphate-binding protein	174
CWATWH0003_5625	Methyltransferase type 12	636
CWATWH0003_5628	Ankyrin	1056
CWATWH0003_5634	Flavodoxin 1	330

<b>Transposase ORFs</b>		
CWATWH0003_0004	putative transposase	213
CWATWH0003_0028	putative transposase	1383
CWATWH0003_0029	Transposase	717
CWATWH0003_0117	transposase IS204/IS1001/IS1096/IS1165 family protein	387
CWATWH0003_0425	hypothetical protein- probable transposase IS family IS607	642
CWATWH0003_1273	transposase IS200-family protein	318
CWATWH0003_1351	hypothetical protein - probable transposase IS family IS701	939
CWATWH0003_1354	transposase, putative	1098
CWATWH0003_1527	putative transposase	957
CWATWH0003_1762	hypothetical protein- probable transposase IS family IS5	516
CWATWH0003_2013	transposase	336
CWATWH0003_2384	Transposase, IS4	348
CWATWH0003_2385	transposase, IS4	936
CWATWH0003_2389	transposase, IS4	150
CWATWH0003_2735	hypothetical protein- probable transposase IS family IS630	258
CWATWH0003_2736	hypothetical protein- probable transposase IS family IS630	441
CWATWH0003_3305	transposase	570
CWATWH0003_3306	transposase	729
CWATWH0003_3764	hypothetical protein- probable transposase IS family Tn3	1023
CWATWH0003_5317	putative transposase	147
CWATWH0003_5561	transposase Tn3 family protein	1653
CWATWH0003_5623	transposase	819
CWATWH0003_5626	transposase	1128
CWATWH0003_5627	putative transposase	1146

<b>ORFs with unknown function</b>		
CWATWH0003_0049	conserved hypothetical protein	165
CWATWH0003_0050	hypothetical protein	129
CWATWH0003_0089	hypothetical protein	1161
CWATWH0003_0090	hypothetical protein	2238
CWATWH0003_0091	hypothetical protein	1029
CWATWH0003_0103	protein of unknown function DUF1400	1674
CWATWH0003_0105	hypothetical protein	702
CWATWH0003_0110	hypothetical protein	1032
CWATWH0003_0113	hypothetical protein	219
CWATWH0003_0118	hypothetical protein	222

CWATWH0003_0127	hypothetical protein	357
CWATWH0003_0128	hypothetical protein	930
CWATWH0003_0129	hypothetical protein	723
CWATWH0003_0131	unnamed protein product	261
CWATWH0003_0137	hypothetical protein	603
CWATWH0003_0138	hypothetical protein	1260
CWATWH0003_0139	hypothetical protein	843
CWATWH0003_0274	hypothetical protein	312
CWATWH0003_0299	hypothetical protein	450
CWATWH0003_0300	hypothetical protein	885
CWATWH0003_0303	hypothetical protein	117
CWATWH0003_0313	hypothetical protein	951
CWATWH0003_0314	hypothetical protein	813
CWATWH0003_0315	hypothetical protein	840
CWATWH0003_0318	hypothetical protein	288
CWATWH0003_0402	hypothetical protein	741
CWATWH0003_0431	hypothetical protein	201
CWATWH0003_0433	hypothetical protein	2040
CWATWH0003_0434	hypothetical protein	261
CWATWH0003_0436	hypothetical protein	909
CWATWH0003_0437	hypothetical protein	705
CWATWH0003_0438	hypothetical protein	162
CWATWH0003_0440	hypothetical protein	912
CWATWH0003_0543	hypothetical protein	2055
CWATWH0003_0610	hypothetical protein	405
CWATWH0003_0615	hypothetical protein	252
CWATWH0003_0616	hypothetical protein	249
CWATWH0003_0617	hypothetical protein	645
CWATWH0003_0619	hypothetical protein	1965
CWATWH0003_0631	hypothetical protein	309
CWATWH0003_0653	hypothetical protein	417
CWATWH0003_0654	hypothetical protein	189
CWATWH0003_0655	hypothetical protein	1206
CWATWH0003_0657	hypothetical protein	546
CWATWH0003_0670	hypothetical protein	312
CWATWH0003_0671	hypothetical protein	591
CWATWH0003_0672	hypothetical protein	294
CWATWH0003_0673	hypothetical protein	2994
CWATWH0003_0674	hypothetical protein	471
CWATWH0003_0689	hypothetical protein	570
CWATWH0003_0735	hypothetical protein	711
CWATWH0003_0738	protein of unknown function DUF820	564
CWATWH0003_0739	conserved hypothetical protein	1371
CWATWH0003_0867	hypothetical protein	369
CWATWH0003_0905	hypothetical protein	534
CWATWH0003_0935	hypothetical protein	429

CWATWH0003_0936	hypothetical protein	231
CWATWH0003_0937	hypothetical protein	153
CWATWH0003_0938	hypothetical protein	129
CWATWH0003_0997	protein of unknown function DUF1702	672
CWATWH0003_1024	hypothetical protein	318
CWATWH0003_1080	hypothetical protein	456
CWATWH0003_1195	hypothetical protein	402
CWATWH0003_1196	hypothetical protein	177
CWATWH0003_1198	hypothetical protein	246
CWATWH0003_1201	hypothetical protein	210
CWATWH0003_1202	hypothetical protein	141
CWATWH0003_1203	hypothetical protein	123
CWATWH0003_1204	hypothetical protein	114
CWATWH0003_1205	hypothetical protein	402
CWATWH0003_1206	hypothetical protein	177
CWATWH0003_1208	hypothetical protein	1128
CWATWH0003_1224	hypothetical protein	765
CWATWH0003_1231	hypothetical protein	120
CWATWH0003_1233	hypothetical protein	144
CWATWH0003_1267	hypothetical protein	474
CWATWH0003_1268	hypothetical protein	615
CWATWH0003_1269	hypothetical protein	138
CWATWH0003_1270	hypothetical protein	351
CWATWH0003_1271	hypothetical protein	153
CWATWH0003_1275	hypothetical protein	195
CWATWH0003_1276	hypothetical protein	312
CWATWH0003_1277	hypothetical protein	246
CWATWH0003_1278	hypothetical protein	183
CWATWH0003_1280	hypothetical protein	120
CWATWH0003_1281	hypothetical protein	669
CWATWH0003_1282	hypothetical protein	444
CWATWH0003_1283	hypothetical protein	168
CWATWH0003_1287	hypothetical protein	432
CWATWH0003_1288	hypothetical protein	450
CWATWH0003_1289	hypothetical protein	327
CWATWH0003_1290	hypothetical protein	150
CWATWH0003_1291	hypothetical protein	771
CWATWH0003_1293	hypothetical protein	210
CWATWH0003_1343	hypothetical protein	3621
CWATWH0003_1350	hypothetical protein	225
CWATWH0003_1352	hypothetical protein	567
CWATWH0003_1353	hypothetical protein	147
CWATWH0003_1357	hypothetical protein	744
CWATWH0003_1427	hypothetical protein	1020
CWATWH0003_1501	conserved hypothetical protein	1533
CWATWH0003_1503	hypothetical protein	303

CWATWH0003_1515	hypothetical protein	1248
CWATWH0003_1516	hypothetical protein	153
CWATWH0003_1518	hypothetical protein	363
CWATWH0003_1520	hypothetical protein	162
CWATWH0003_1522	hypothetical protein	123
CWATWH0003_1525	hypothetical protein	153
CWATWH0003_1526	hypothetical protein	645
CWATWH0003_1587	hypothetical protein	1098
CWATWH0003_1658	hypothetical protein	135
CWATWH0003_1662	hypothetical protein	1131
CWATWH0003_1673	hypothetical protein	1527
CWATWH0003_1685	hypothetical protein	204
CWATWH0003_1746	hypothetical protein	876
CWATWH0003_1769	hypothetical protein	2043
CWATWH0003_1770	hypothetical protein	1464
CWATWH0003_1877	hypothetical protein	1101
CWATWH0003_1971	hypothetical protein	219
CWATWH0003_1973	hypothetical protein	1011
CWATWH0003_1974	hypothetical protein	423
CWATWH0003_1975	hypothetical protein	420
CWATWH0003_1985	hypothetical protein	210
CWATWH0003_2001	hypothetical protein	381
CWATWH0003_2010	hypothetical protein	354
CWATWH0003_2011	hypothetical protein	423
CWATWH0003_2012	hypothetical protein	315
CWATWH0003_2053	hypothetical protein	381
CWATWH0003_2055	hypothetical protein	1470
CWATWH0003_2073	hypothetical protein	372
CWATWH0003_2085	hypothetical protein	522
CWATWH0003_2089	conserved hypothetical protein	504
CWATWH0003_2171	hypothetical protein	297
CWATWH0003_2172	hypothetical protein	684
CWATWH0003_2208	hypothetical protein	159
CWATWH0003_2259	hypothetical protein	1536
CWATWH0003_2370	hypothetical protein	315
CWATWH0003_2371	hypothetical protein	252
CWATWH0003_2375	hypothetical protein	225
CWATWH0003_2380	hypothetical protein	348
CWATWH0003_2429	hypothetical protein	1773
CWATWH0003_2430	hypothetical protein	1611
CWATWH0003_2431	hypothetical protein	594
CWATWH0003_2432	hypothetical protein	216
CWATWH0003_2433	hypothetical protein	489
CWATWH0003_2434	hypothetical protein	321
CWATWH0003_2462	hypothetical protein	372
CWATWH0003_2464	hypothetical protein	909

CWATWH0003_2465	protein of unknown function DUF497	294
CWATWH0003_2466	conserved hypothetical protein	222
CWATWH0003_2467	hypothetical protein	405
CWATWH0003_2548	hypothetical protein	129
CWATWH0003_2654	hypothetical protein	459
CWATWH0003_2655	hypothetical protein	432
CWATWH0003_2657	hypothetical protein	261
CWATWH0003_2658	hypothetical protein	243
CWATWH0003_2659	hypothetical protein	252
CWATWH0003_2661	hypothetical protein	924
CWATWH0003_2665	hypothetical protein	270
CWATWH0003_2666	hypothetical protein	651
CWATWH0003_2671	hypothetical protein	123
CWATWH0003_2674	hypothetical protein	519
CWATWH0003_2738	conserved hypothetical protein	879
CWATWH0003_2739	hypothetical protein	1293
CWATWH0003_2939	hypothetical protein	423
CWATWH0003_2940	hypothetical protein	630
CWATWH0003_2949	hypothetical protein	1023
CWATWH0003_2996	hypothetical protein	198
CWATWH0003_3005	conserved hypothetical protein	300
CWATWH0003_3024	hypothetical protein	1074
CWATWH0003_3025	hypothetical protein	1206
CWATWH0003_3073	Protein of unknown function DUF1576	1086
CWATWH0003_3075	hypothetical protein	555
CWATWH0003_3076	conserved hypothetical protein	588
CWATWH0003_3236	hypothetical protein	663
CWATWH0003_3237	hypothetical protein	540
CWATWH0003_3238	hypothetical protein	273
CWATWH0003_3239	hypothetical protein	237
CWATWH0003_3240	hypothetical protein	390
CWATWH0003_3242	hypothetical protein	339
CWATWH0003_3283	hypothetical protein	456
CWATWH0003_3284	conserved hypothetical protein	813
CWATWH0003_3285	hypothetical protein	402
CWATWH0003_3291	hypothetical protein	624
CWATWH0003_3292	hypothetical protein	363
CWATWH0003_3293	conserved hypothetical protein	342
CWATWH0003_3298	hypothetical protein	1110
CWATWH0003_3299	hypothetical protein	933
CWATWH0003_3301	hypothetical protein	123
CWATWH0003_3303	hypothetical protein	141
CWATWH0003_3347	conserved hypothetical protein	174
CWATWH0003_3388	hypothetical protein	168
CWATWH0003_3389	hypothetical protein	2283
CWATWH0003_3424	hypothetical protein	207

CWATWH0003_3425	hypothetical protein	600
CWATWH0003_3426	hypothetical protein	423
CWATWH0003_3479	hypothetical protein	150
CWATWH0003_3498	hypothetical protein	132
CWATWH0003_3506	hypothetical protein	1338
CWATWH0003_3509	hypothetical protein	345
CWATWH0003_3510	hypothetical protein	327
CWATWH0003_3511	hypothetical protein	168
CWATWH0003_3517	hypothetical protein	2256
CWATWH0003_3518	hypothetical protein	2163
CWATWH0003_3527	hypothetical protein	231
CWATWH0003_3742	hypothetical protein	96
CWATWH0003_3753	hypothetical protein	855
CWATWH0003_3754	hypothetical protein	642
CWATWH0003_3757	hypothetical protein	783
CWATWH0003_3822	hypothetical protein	1158
CWATWH0003_3834	hypothetical protein	345
CWATWH0003_3835	hypothetical protein	270
CWATWH0003_3867	hypothetical protein	597
CWATWH0003_3870	hypothetical protein	1992
CWATWH0003_3872	hypothetical protein	1365
CWATWH0003_3888	hypothetical protein	168
CWATWH0003_3890	hypothetical protein	645
CWATWH0003_3892	hypothetical protein	3798
CWATWH0003_3893	hypothetical protein	480
CWATWH0003_3895	hypothetical protein	1962
CWATWH0003_3896	hypothetical protein	669
CWATWH0003_3897	hypothetical protein	183
CWATWH0003_3898	hypothetical protein	684
CWATWH0003_3899	hypothetical protein	123
CWATWH0003_3900	hypothetical protein	186
CWATWH0003_3901	hypothetical protein	1062
CWATWH0003_3902	hypothetical protein	1173
CWATWH0003_3903	hypothetical protein	168
CWATWH0003_4018	hypothetical protein	774
CWATWH0003_4019	hypothetical protein	393
CWATWH0003_4020	conserved hypothetical protein	285
CWATWH0003_4047	hypothetical protein	654
CWATWH0003_4048	hypothetical protein	633
CWATWH0003_4052	hypothetical protein	288
CWATWH0003_4093	hypothetical protein	1125
CWATWH0003_4103	hypothetical protein	123
CWATWH0003_4134	hypothetical protein	267
CWATWH0003_4165	conserved hypothetical protein	552
CWATWH0003_4166	hypothetical protein	165
CWATWH0003_4175	hypothetical protein	177

CWATWH0003_4193	hypothetical protein	1071
CWATWH0003_4194	hypothetical protein	828
CWATWH0003_4466	hypothetical protein	480
CWATWH0003_4510	hypothetical protein	423
CWATWH0003_4538	hypothetical protein	150
CWATWH0003_4617	conserved hypothetical protein	402
CWATWH0003_4618	hypothetical protein	2490
CWATWH0003_4619	hypothetical protein	150
CWATWH0003_4697	protein of unknown function DUF820	627
CWATWH0003_4714	hypothetical protein	159
CWATWH0003_4723	hypothetical protein	1194
CWATWH0003_4741	hypothetical protein	546
CWATWH0003_4827	hypothetical protein	186
CWATWH0003_4828	hypothetical protein	216
CWATWH0003_4851	hypothetical protein	147
CWATWH0003_4854	hypothetical protein	1902
CWATWH0003_4856	hypothetical protein	138
CWATWH0003_4863	hypothetical protein	240
CWATWH0003_4888	hypothetical protein	357
CWATWH0003_4889	protein of unknown function DUF86	342
CWATWH0003_4890	hypothetical protein	2109
CWATWH0003_4892	hypothetical protein	270
CWATWH0003_4893	hypothetical protein	1803
CWATWH0003_4894	hypothetical protein	1065
CWATWH0003_4895	hypothetical protein	708
CWATWH0003_4896	hypothetical protein	1584
CWATWH0003_4897	hypothetical protein	795
CWATWH0003_4899	hypothetical protein	738
CWATWH0003_4900	hypothetical protein	2715
CWATWH0003_4901	hypothetical protein	309
CWATWH0003_4902	hypothetical protein	627
CWATWH0003_4903	hypothetical protein	516
CWATWH0003_4905	hypothetical protein	330
CWATWH0003_4906	hypothetical protein	126
CWATWH0003_4907	hypothetical protein	1005
CWATWH0003_4908	hypothetical protein	447
CWATWH0003_4909	hypothetical protein	789
CWATWH0003_4910	hypothetical protein	744
CWATWH0003_4912	hypothetical protein	198
CWATWH0003_4913	hypothetical protein	351
CWATWH0003_4914	hypothetical protein	414
CWATWH0003_4929	hypothetical protein	588
CWATWH0003_4977	hypothetical protein	120
CWATWH0003_5002	hypothetical protein	441
CWATWH0003_5020	hypothetical protein	129
CWATWH0003_5021	hypothetical protein	135

CWATWH0003_5034	hypothetical protein	243
CWATWH0003_5110	hypothetical protein	165
CWATWH0003_5112	hypothetical protein	252
CWATWH0003_5114	hypothetical protein	1296
CWATWH0003_5115	conserved hypothetical protein	255
CWATWH0003_5117	hypothetical protein	312
CWATWH0003_5118	conserved hypothetical protein	618
CWATWH0003_5119	hypothetical protein	558
CWATWH0003_5159	hypothetical protein	8121
CWATWH0003_5172	hypothetical protein	204
CWATWH0003_5175	hypothetical protein	465
CWATWH0003_5178	hypothetical protein	261
CWATWH0003_5179	hypothetical protein	123
CWATWH0003_5210	hypothetical protein	129
CWATWH0003_5211	hypothetical protein	786
CWATWH0003_5212	hypothetical protein	141
CWATWH0003_5213	hypothetical protein	681
CWATWH0003_5214	hypothetical protein	612
CWATWH0003_5215	hypothetical protein	117
CWATWH0003_5216	conserved hypothetical protein	282
CWATWH0003_5259	hypothetical protein	687
CWATWH0003_5260	conserved hypothetical protein	189
CWATWH0003_5261	hypothetical protein	219
CWATWH0003_5262	hypothetical protein	561
CWATWH0003_5265	hypothetical protein	1194
CWATWH0003_5316	hypothetical protein	144
CWATWH0003_5338	conserved hypothetical protein	825
CWATWH0003_5340	hypothetical protein	1056
CWATWH0003_5341	hypothetical protein	549
CWATWH0003_5342	hypothetical protein	627
CWATWH0003_5343	hypothetical protein	960
CWATWH0003_5344	hypothetical protein	375
CWATWH0003_5345	hypothetical protein	387
CWATWH0003_5346	hypothetical protein	168
CWATWH0003_5347	hypothetical protein	375
CWATWH0003_5348	hypothetical protein	201
CWATWH0003_5350	hypothetical protein	372
CWATWH0003_5352	hypothetical protein	474
CWATWH0003_5351	hypothetical protein	2337
CWATWH0003_5353	hypothetical protein	186
CWATWH0003_5354	hypothetical protein	204
CWATWH0003_5356	hypothetical protein	171
CWATWH0003_5372	hypothetical protein	714
CWATWH0003_5373	hypothetical protein	1140
CWATWH0003_5374	hypothetical protein	573
CWATWH0003_5382	hypothetical protein	714

CWATWH0003_5383	hypothetical protein	1110
CWATWH0003_5384	hypothetical protein	1716
CWATWH0003_5385	hypothetical protein	156
CWATWH0003_5390	hypothetical protein	225
CWATWH0003_5401	hypothetical protein	129
CWATWH0003_5404	hypothetical protein	480
CWATWH0003_5425	hypothetical protein	738
CWATWH0003_5426	hypothetical protein	1017
CWATWH0003_5501	hypothetical protein	135
CWATWH0003_5502	hypothetical protein	249
CWATWH0003_5503	hypothetical protein	171
CWATWH0003_5505	hypothetical protein	552
CWATWH0003_5509	hypothetical protein	189
CWATWH0003_5516	hypothetical protein	363
CWATWH0003_5518	hypothetical protein	558
CWATWH0003_5519	hypothetical protein	126
CWATWH0003_5544	hypothetical protein	546
CWATWH0003_5545	hypothetical protein	816
CWATWH0003_5551	hypothetical protein	180
CWATWH0003_5552	hypothetical protein	207
CWATWH0003_5553	hypothetical protein	396
CWATWH0003_5554	conserved hypothetical protein	429
CWATWH0003_5555	hypothetical protein	366
CWATWH0003_5557	hypothetical protein	333
CWATWH0003_5558	hypothetical protein	219
CWATWH0003_5560	hypothetical protein	555
CWATWH0003_5562	hypothetical protein	114
CWATWH0003_5568	hypothetical protein	609
CWATWH0003_5595	hypothetical protein	318
CWATWH0003_5607	hypothetical protein	321
CWATWH0003_5614	hypothetical protein	1071
CWATWH0003_5617	hypothetical protein	243
CWATWH0003_5619	hypothetical protein	897
CWATWH0003_5620	hypothetical protein	201
CWATWH0003_5622	hypothetical protein	210
CWATWH0003_5651	hypothetical protein	768
CWATWH0003_5653	hypothetical protein	453
CWATWH0003_5654	hypothetical protein	141