

**Table S6.** Genes shared by and unique to the *P. chlororaphis* strains<sup>a</sup>

<b>Annotated function</b>	<b>30-84</b>	<b>O6</b>
Hypothetical protein	Pchl3084_0006	PchlO6_0011
Aquaporin Z	Pchl3084_0007	PchlO6_0012
Cyclic dimeric GMP binding protein LapD	Pchl3084_0140	PchlO6_0137
Conserved hypothetical protein	Pchl3084_0190	PchlO6_0189
Hypothetical protein	Pchl3084_0191	PchlO6_0190
Conserved hypothetical protein	Pchl3084_0198	PchlO6_0199
Conserved hypothetical protein	Pchl3084_0229	PchlO6_0234
Membrane protein, putative	Pchl3084_0267	PchlO6_0273
Hypothetical protein	Pchl3084_0295	PchlO6_0298
Cytochrome c oxidase, subunit II, putative	Pchl3084_0325	PchlO6_0329
Cytochrome c oxidase, subunit I	Pchl3084_0326	PchlO6_0330
Cytochrome c oxidase, subunit III, putative	Pchl3084_0327	PchlO6_0331
Cytochrome c oxidase, subunit III, putative	Pchl3084_0328	PchlO6_0332
Conserved hypothetical protein	Pchl3084_0329	PchlO6_0333
Hypothetical protein	Pchl3084_0573	PchlO6_0579
Putative addiction module killer protein	Pchl3084_0634	PchlO6_0640
Conserved hypothetical protein	Pchl3084_0642	PchlO6_0648
Conserved hypothetical protein	Pchl3084_0678	PchlO6_0684
Acid phosphatase	Pchl3084_0708	PchlO6_0715
TonB-dependent outer membrane receptor	Pchl3084_0709	PchlO6_0716
Phosphorylase family protein	Pchl3084_0710	PchlO6_0717
Purine nucleoside permease, NUP family	Pchl3084_0711	PchlO6_0718
Transporter, MotA/TolQ/ExbB proton channel family	Pchl3084_0714	PchlO6_0721
Oxidoreductase, 2OG-Fe(II) oxygenase family	Pchl3084_0733	PchlO6_0738
AP endonuclease, family 2	Pchl3084_0734	PchlO6_0739
Conserved hypothetical protein	Pchl3084_0742	PchlO6_0747
Hypothetical protein	Pchl3084_0770	PchlO6_0772
Conserved hypothetical protein	Pchl3084_0786	PchlO6_0794
Conserved hypothetical protein	Pchl3084_0840	PchlO6_0846
Hypothetical protein	Pchl3084_0867	PchlO6_0874
Conserved hypothetical protein	Pchl3084_0936	PchlO6_0943
Methyltransferase domain protein	Pchl3084_0968	PchlO6_0976
Lipoprotein, putative	Pchl3084_0996	PchlO6_1004
Lipoprotein, putative	Pchl3084_0998	PchlO6_1006
Hypothetical protein	Pchl3084_1003	PchlO6_1014
Hypothetical protein	Pchl3084_1040	PchlO6_1052
Sensory box histidine kinase/response regulator	Pchl3084_1087	PchlO6_1100
Hypothetical protein	Pchl3084_1100	PchlO6_1111
Conserved hypothetical protein	Pchl3084_1225	PchlO6_1297
Putative TPR repeat protein	Pchl3084_1259	PchlO6_1334
Hypothetical protein	Pchl3084_1301	PchlO6_1376
Membrane protein, putative	Pchl3084_1367	PchlO6_1446
Hypothetical protein	Pchl3084_1368	PchlO6_1447
Conserved hypothetical protein	Pchl3084_1369	PchlO6_1448
Hypothetical protein	Pchl3084_1372	PchlO6_1445
Fimbrial protein, putative	Pchl3084_1392	PchlO6_1862
Lipoprotein, putative	Pchl3084_1399	PchlO6_1470

Type I secretion target, putative	Pchl3084_1428	PchlO6_1552
HPt domain protein	Pchl3084_1429	PchlO6_1553
DNA-binding response regulator, LuxR family	Pchl3084_1430	PchlO6_1554
Conserved hypothetical protein	Pchl3084_1460	PchlO6_1584
Outer membrane autotransporter barrel domain protein	Pchl3084_1477	PchlO6_1601
Aromatic ring hydroxylating dioxygenase, beta subunit	Pchl3084_1488	PchlO6_1612
Rieske [2Fe-2S] domain/aromatic ring hydroxylating dioxygenase, alpha subunit domain protein	Pchl3084_1489	PchlO6_1613
Oxidoreductase NAD-binding domain/2Fe-2S iron-sulfur cluster binding domain protein	Pchl3084_1490	PchlO6_1614
Conserved hypothetical protein	Pchl3084_1491	PchlO6_1615
Periplasmic protein	Pchl3084_1529	PchlO6_1660
Hypothetical protein	Pchl3084_1642	PchlO6_1774
Hypothetical protein	Pchl3084_1664	PchlO6_1796
Conserved hypothetical protein	Pchl3084_1734	PchlO6_1864
Lipoprotein, putative	Pchl3084_1786	PchlO6_1918
Conserved hypothetical protein	Pchl3084_1788	PchlO6_1919
Cupin 2 conserved barrel domain protein	Pchl3084_1822	PchlO6_1953
Conserved hypothetical protein	Pchl3084_1824	PchlO6_1957
Conserved hypothetical protein	Pchl3084_1825	PchlO6_1958
Conserved hypothetical protein	Pchl3084_1878	PchlO6_2012
Hypothetical protein	Pchl3084_1883	PchlO6_2017
Hypothetical protein	Pchl3084_1966	PchlO6_2187
Hypothetical protein	Pchl3084_2023	PchlO6_2237
Conserved hypothetical protein	Pchl3084_2072	PchlO6_2279
Antioxidant, AhpC/TSA family	Pchl3084_2080	PchlO6_2293
Hypothetical protein	Pchl3084_2084	PchlO6_2304
Efflux transporter, RND family, MFP subunit	Pchl3084_2085	PchlO6_2305
RND transporter, hydrophobe/amphiphile efflux-1 (HAE1) family	Pchl3084_2086	PchlO6_2306
Alkylhydroperoxidase AhpD family core domain protein	Pchl3084_2094	PchlO6_2314
Integral membrane protein, DUF6 family	Pchl3084_2112	PchlO6_2330
Transcriptional regulator, AraC family	Pchl3084_2113	PchlO6_2331
Conserved hypothetical protein	Pchl3084_2122	PchlO6_2341
Tricarboxylate transporter, TTT family, periplasmic tricarboxylate-binding protein	Pchl3084_2145	PchlO6_2364
Conserved hypothetical protein	Pchl3084_2146	PchlO6_2365
Glyoxalase family protein	Pchl3084_2157	PchlO6_2374
Hypothetical protein	Pchl3084_2183	PchlO6_2400
Putrescine ABC transporter, permease protein	Pchl3084_2197	PchlO6_2420
Conserved hypothetical protein	Pchl3084_2215	PchlO6_2442
Conserved hypothetical protein	Pchl3084_2224	PchlO6_2455
Phosphatidylserine decarboxylase, putative	Pchl3084_2235	PchlO6_2466
Hypothetical protein	Pchl3084_2239	PchlO6_2470
Sensor histidine kinase/response regulator	Pchl3084_2246	PchlO6_2476
Response regulator receiver domain/cyclic	Pchl3084_2247	PchlO6_2477

diguanylate phosphodiesterase (EAL) domain protein		
Capsular synthesis regulator component B	Pchl3084_2249	PchlO6_2479
Type I secretion target, putative	Pchl3084_2250	PchlO6_2480
Tetratricopeptide repeat domain protein	Pchl3084_2254	PchlO6_2484
ABC1 family protein	Pchl3084_2307	PchlO6_2528
Conserved hypothetical protein	Pchl3084_2365	PchlO6_2684
Conserved hypothetical protein	Pchl3084_2377	PchlO6_2597
Hypothetical protein	Pchl3084_2382	PchlO6_2602
Phospholipase, patatin family	Pchl3084_2383	PchlO6_2603
Hypothetical protein	Pchl3084_2402	PchlO6_2621
Lipoprotein, putative	Pchl3084_2460	PchlO6_2672
Acetyltransferase, GNAT family	Pchl3084_2462	PchlO6_2675
Lipoprotein, putative	Pchl3084_2469	PchlO6_2682
Hypothetical protein	Pchl3084_2482	PchlO6_2693
Tyrosinase domain protein	Pchl3084_2484	PchlO6_2695
Hypothetical protein	Pchl3084_2509	PchlO6_2727
Cupin region	Pchl3084_2520	PchlO6_2745
Transcriptional regulator, AraC family	Pchl3084_2524	PchlO6_2749
Conserved hypothetical protein	Pchl3084_2534	PchlO6_2763
Endonuclease/exonuclease/phosphatase family protein	Pchl3084_2536	PchlO6_2767
Adenosine specific kinase, putative	Pchl3084_2539	PchlO6_2770
Conserved hypothetical protein	Pchl3084_2540	PchlO6_2772
Membrane protein, putative	Pchl3084_2542	PchlO6_2774
Membrane protein, putative	Pchl3084_2543	PchlO6_2775
Hypothetical protein	Pchl3084_2550	PchlO6_2782
Conserved hypothetical protein	Pchl3084_2552	PchlO6_2784
Cytotoxic domain protein	Pchl3084_2555	PchlO6_2531
Conserved hypothetical protein	Pchl3084_2558	PchlO6_2789
EF hand domain protein	Pchl3084_2575	PchlO6_2808
Na/Pi-cotransporter II-related protein, putative	Pchl3084_2593	PchlO6_2825
Conserved hypothetical protein	Pchl3084_2594	PchlO6_2826
Diguanylate cyclase (GGDEF) domain protein	Pchl3084_2612	PchlO6_2847
Acetyltransferase, GNAT family	Pchl3084_2657	PchlO6_2886
Hypothetical protein	Pchl3084_2658	PchlO6_2888
Hypothetical protein	Pchl3084_2661	PchlO6_2891
Hypothetical protein	Pchl3084_2690	PchlO6_2921
Lipoprotein, putative	Pchl3084_2756	PchlO6_2988
Conserved hypothetical protein	Pchl3084_2782	PchlO6_3014
Conserved hypothetical protein	Pchl3084_2887	PchlO6_3141
Xanthine and CO dehydrogenases maturation factor	Pchl3084_2913	PchlO6_3189
Oxidoreductase, short chain dehydrogenase/reductase family	Pchl3084_2919	PchlO6_3188
Oxidoreductase, short chain dehydrogenase/reductase family	Pchl3084_2970	PchlO6_2843
Oxidoreductase, GMC family	Pchl3084_2985	PchlO6_3237
Lipoprotein, putative	Pchl3084_2986	PchlO6_3238
Phytanoyl-CoA dioxygenase, PhyH family	Pchl3084_2996	PchlO6_3268
Transcriptional regulator, AraC family	Pchl3084_2997	PchlO6_3269

Hypothetical protein	Pchl3084_3010	PchlO6_3274
Conserved hypothetical protein	Pchl3084_3013	PchlO6_3276
Conserved hypothetical protein	Pchl3084_3025	PchlO6_3285
Pyocin immunity protein	Pchl3084_3029	PchlO6_3287
Outer membrane porin, OprD family	Pchl3084_3064	PchlO6_3325
Conserved hypothetical protein	Pchl3084_3066	PchlO6_3327
Aldehyde dehydrogenase (NAD) family protein	Pchl3084_3083	PchlO6_3344
Sensor histidine kinase/response regulator	Pchl3084_3110	PchlO6_3368
Chitinase	Pchl3084_3180	PchlO6_3409
Chitin binding domain protein	Pchl3084_3181	PchlO6_3410
Conserved hypothetical protein	Pchl3084_3222	PchlO6_3451
Hypothetical protein	Pchl3084_3285	PchlO6_3515
Fimbrial protein, putative	Pchl3084_3309	PchlO6_3539
Conserved hypothetical protein	Pchl3084_3311	PchlO6_3541
Conserved hypothetical protein	Pchl3084_3313	PchlO6_3542
Conserved hypothetical protein	Pchl3084_3314	PchlO6_3544
Acetyltransferase, GNAT family	Pchl3084_3315	PchlO6_3545
Conserved hypothetical protein	Pchl3084_3317	PchlO6_3548
Protein of unknown function, DUF336 family	Pchl3084_3337	PchlO6_3607
Transcriptional regulator, TetR family	Pchl3084_3339	PchlO6_3609
Hypothetical protein	Pchl3084_3340	PchlO6_3610
Integral membrane protein, DUF6 family	Pchl3084_3341	PchlO6_3611
Thioesterase superfamily protein	Pchl3084_3343	PchlO6_3613
Transporter, monovalent cation:proton antiporter-2 (CPA2) family	Pchl3084_3344	PchlO6_3614
RND transporter, hydrophobe/amphiphile efflux-1 (HAE1) family	Pchl3084_3346	PchlO6_3617
Efflux transporter, RND family, MFP subunit	Pchl3084_3347	PchlO6_3618
Redox-sensitive transcriptional activator SoxR	Pchl3084_3348	PchlO6_3619
Conserved hypothetical protein	Pchl3084_3354	PchlO6_3656
Tetratricopeptide repeat domain protein	Pchl3084_3364	PchlO6_3675
Conserved hypothetical protein	Pchl3084_3366	PchlO6_3677
T1SS-143 repeat domain protein	Pchl3084_3389	PchlO6_3714
T1SS-143 repeat domain protein	Pchl3084_3390	PchlO6_3715
Transcriptional regulator, LuxR family	Pchl3084_3391	PchlO6_3716
Type VI secretion protein Fha1	Pchl3084_3413	PchlO6_3745
Conserved hypothetical protein	Pchl3084_3449	PchlO6_0773
DsbA-like thioredoxin domain protein	Pchl3084_3453	PchlO6_3783
Cytochrome c family protein	Pchl3084_3456	PchlO6_3786
2Fe-2S iron-sulfur cluster binding domain protein	Pchl3084_3457	PchlO6_3787
Aldehyde oxidase and xanthine dehydrogenase family, molybdopterin-binding domain protein	Pchl3084_3458	PchlO6_3788
Sensor histidine kinase/response regulator	Pchl3084_3460	PchlO6_3791
Conserved hypothetical protein	Pchl3084_3513	PchlO6_3823
Methyltransferase domain family	Pchl3084_3514	PchlO6_3825
Glutamate synthase domain protein	Pchl3084_3516	PchlO6_3827
Conserved hypothetical protein	Pchl3084_3521	PchlO6_3830
Protein of unknown function, DUF307 family	Pchl3084_3522	PchlO6_3831
Type I secretion system ATPase FitA	Pchl3084_3530	PchlO6_3841

Lipoprotein, putative	Pchl3084_3544	PchlO6_3846
DsbA-like thioredoxin domain protein	Pchl3084_3578	PchlO6_3889
Conserved hypothetical protein	Pchl3084_3623	PchlO6_3930
Hypothetical protein	Pchl3084_3649	PchlO6_3942
Hypothetical protein	Pchl3084_3650	PchlO6_3943
Conserved hypothetical protein	Pchl3084_3660	PchlO6_3953
Conserved hypothetical protein	Pchl3084_3663	PchlO6_3956
Conserved hypothetical protein	Pchl3084_3826	PchlO6_4121
Hypothetical protein	Pchl3084_3837	PchlO6_4127
Type I secretion membrane fusion protein, HlyD family	Pchl3084_3839	PchlO6_4128
Pyocin AP41, large subunit, putative	Pchl3084_3846	PchlO6_4136
DNA/RNA non-specific endonuclease	Pchl3084_3851	PchlO6_4141
Conserved hypothetical protein	Pchl3084_3856	PchlO6_4146
Conserved hypothetical protein	Pchl3084_3882	PchlO6_4174
Conserved hypothetical protein	Pchl3084_3899	PchlO6_4176
Glutathione S-transferase domain protein	Pchl3084_3910	PchlO6_4188
Conserved hypothetical protein	Pchl3084_3932	PchlO6_4215
Acyl carrier protein	Pchl3084_3966	PchlO6_4242
Beta-ketoacyl-acyl-carrier-protein synthase III, putative	Pchl3084_3967	PchlO6_4243
Dialkylrecorsinol condensing enzyme	Pchl3084_3968	PchlO6_4244
Transcriptional regulator, ArsR family	Pchl3084_3972	PchlO6_4248
Conserved hypothetical protein	Pchl3084_3991	PchlO6_4257
D-isomer specific 2-hydroxyacid dehydrogenase family protein	Pchl3084_4012	PchlO6_4269
Conserved hypothetical protein	Pchl3084_4059	PchlO6_4313
Pyoverdine biosynthesis protein	Pchl3084_4065	PchlO6_4319
Conserved hypothetical protein	Pchl3084_4082	PchlO6_4336
Conserved hypothetical protein	Pchl3084_4372	PchlO6_4610
Hypothetical protein	Pchl3084_4373	PchlO6_4611
dTDP-6-deoxy-3,4-keto-hexulose isomerase	Pchl3084_4374	PchlO6_4612
Conserved hypothetical protein	Pchl3084_4379	PchlO6_4616
Hypothetical protein	Pchl3084_4411	PchlO6_4649
Carbohydrate-selective porin OprB	Pchl3084_4484	PchlO6_4725
Type IVb pilin, FliP family	Pchl3084_4532	PchlO6_4774
Conserved hypothetical protein	Pchl3084_4597	PchlO6_4843
Transcriptional regulator, LuxR family	Pchl3084_4696	PchlO6_4942
PAAR motif domain protein	Pchl3084_4790	PchlO6_5040
Hypothetical protein	Pchl3084_4795	PchlO6_5046
Amidohydrolase family protein	Pchl3084_4796	PchlO6_5047
Conserved hypothetical protein	Pchl3084_4798	PchlO6_5051
Fatty acid desaturase domain protein	Pchl3084_4801	PchlO6_5054
Oxidoreductase, FAD/NAD-binding domains/2Fe-2S iron-sulfur cluster binding domain protein	Pchl3084_4802	PchlO6_5055
Fatty acid desaturase domain protein	Pchl3084_4803	PchlO6_5056
Conserved hypothetical protein	Pchl3084_4804	PchlO6_5057
Aminotransferase, class III	Pchl3084_4805	PchlO6_5058
Phosphopantetheine attachment site domain protein	Pchl3084_4806	PchlO6_5059

Transcriptional regulator, LuxR family	Pchl3084_4807	PchlO6_5060
Fatty acid desaturase domain protein	Pchl3084_4810	PchlO6_5063
Conserved hypothetical protein	Pchl3084_4835	PchlO6_5087
Autoinducer synthase PhzI	Pchl3084_4949	PchlO6_5218
Transcriptional activator protein PhzR	Pchl3084_4950	PchlO6_5219
Phenazine biosynthesis protein PhzO	Pchl3084_4958	PchlO6_5227
Transcriptional regulator, GntR family/aminotransferase, classes I and II family protein	Pchl3084_5154	PchlO6_5421
Conserved hypothetical protein	Pchl3084_5497	PchlO6_5779
Conserved hypothetical protein	Pchl3084_5553	PchlO6_5833
Adenylate cyclase family protein	Pchl3084_5667	PchlO6_5945
Conserved hypothetical protein	Pchl3084_5671	PchlO6_5949
Hypothetical protein	Pchl3084_5675	PchlO6_5953
Hypothetical protein	Pchl3084_5676	PchlO6_5954
Conserved hypothetical protein	Pchl3084_5682	PchlO6_5960
Hypothetical protein	Pchl3084_5738	PchlO6_6015
Conserved hypothetical protein	Pchl3084_5749	PchlO6_6026
Conserved hypothetical protein	Pchl3084_5751	PchlO6_6028
Conserved hypothetical protein	Pchl3084_5752	PchlO6_6029
HAD-superfamily hydrolase	Pchl3084_5944	PchlO6_6293
Transporter, major facilitator family	Pchl3084_5945	PchlO6_6294
Conserved hypothetical protein	Pchl3084_5946	PchlO6_6295
Nudix-type nucleoside diphosphatase, YffH/AdpP family	Pchl3084_5947	PchlO6_6296
Methylthioadenosine phosphorylase	Pchl3084_5948	PchlO6_6297
Putative dihydrorhizobitoxine desaturase	Pchl3084_5949	PchlO6_6298
Haloacid dehalogenase domain protein hydrolase	Pchl3084_5950	PchlO6_6299
FAD dependent oxidoreductase	Pchl3084_5951	PchlO6_6300
Aminotransferase, DegT/DnrJ/EryC1/StrS family	Pchl3084_5952	PchlO6_6301
Hydrolase, nudix family, putative	Pchl3084_5953	PchlO6_6302
Aminotransferase, DegT/DnrJ/EryC1/StrS family	Pchl3084_5954	PchlO6_6303
Oxidoreductase, Gfo/Idh/MocA family	Pchl3084_5955	PchlO6_6304

<sup>a</sup> Genes are present in genomes of the strains 30-84 and O6 but are not present in the genomes of other *Pseudomonas* spp. in Figure 1.