

Table S11. Identifiers for genes from the genomic regions containing resorcinol and aryl polyene biosynthetic gene clusters.

Strain	Location	Locus tag	AntiSMASH annotation
<i>P. arctica</i> A 37-1-2T	NZ_CP011026	PARC_RS19935	Transport-related gene
		PARC_RS19940 PARC_RS19945 PARC_RS19950 PARC_RS19955 PARC_RS19960	Other genes
		PARC_RS19965	Additional biosynthetic gene
		PARC_RS19970 PARC_RS19980	Other genes
		PARC_RS19985	Regulatory gene
		PARC_RS19990	Transport-related gene
		PARC_RS20000	Additional biosynthetic gene
		PARC_RS20005 PARC_RS20010 PARC_RS20015 PARC_RS20020 PARC_RS21660 PARC_RS20025 PARC_RS20030 PARC_RS20035 PARC_RS20040 PARC_RS20045 PARC_RS20050	Other genes
		PARC_RS20055	Core biosynthetic gene
		PARC_RS20060 PARC_RS20065 PARC_RS20070	Other genes
		PARC_RS20075	Additional biosynthetic gene
		PARC_RS20080 PARC_RS20085	Transport-related genes
		PARC_RS20090	Other gene
		PARC_RS20095	Core biosynthetic gene
		PARC_RS20100 PARC_RS20105	Other genes
		PARC_RS20110 PARC_RS20115 PARC_RS20120	Additional biosynthetic genes
		PARC_RS20125	Other gene
		PARC_RS20130	Additional biosynthetic gene

		PARC_RS20135	Other gene
		PARC_RS20140	Additional biosynthetic gene
		PARC_RS20145 PARC_RS20150 PARC_RS20155 PARC_RS20160	Other genes
		PARC_RS20165 PARC_RS20170	Additional biosynthetic genes
		PARC_RS20175	Other gene
		PARC_RS20180	Core biosynthetic gene
		PARC_RS20185	Other gene
		PARC_RS20190	Additional biosynthetic gene
		PARC_RS20195	Core biosynthetic gene
		PARC_RS20200 PARC_RS20205 PARC_RS20210	Other genes
		PARC_RS20215	Additional biosynthetic gene
		PARC_RS20220 PARC_RS20225 PARC_RS20230 PARC_RS20235	Other genes
		PARC_RS20240	Additional biosynthetic gene
		PARC_RS20245 PARC_RS20250 PARC_RS20255	Other genes
		PARC_RS20260	Additional biosynthetic gene
		PARC_RS20265	Regulatory gene
		PARC_RS20270 PARC_RS20275 PARC_RS20280	Other genes
<i>P. distincta</i> 2-2A-13	NODE_2	NQU47_03185	Transport-related gene
		NQU47_03180 NQU47_03175 NQU47_03170 NQU47_03165 NQU47_03160	Other genes
		NQU47_03155	Additional biosynthetic gene

		NQU47_03150	Other gene
		NQU47_03145	Regulatory gene
		NQU47_03140	Transport-related gene
		NQU47_03135	Additional biosynthetic gene
		NQU47_03130 NQU47_03125 NQU47_03120 NQU47_03115 NQU47_03110 NQU47_03105 NQU47_03100 NQU47_03095 NQU47_03090 NQU47_03085 NQU47_03080 NQU47_03075 NQU47_03070	Other genes
		NQU47_03065	Core biosynthetic gene
		NQU47_03060 NQU47_03055 NQU47_03050 NQU47_03045	Other genes
		NQU47_03040	Additional biosynthetic gene
		NQU47_03035 NQU47_03030	Transport-related genes
		NQU47_03025	Other gene
		NQU47_03020	Core biosynthetic gene
		NQU47_03015 NQU47_03010	Other genes
		NQU47_03005 NQU47_03000 NQU47_02995	Additional biosynthetic genes
		NQU47_02990	Other gene
		NQU47_02985	Additional biosynthetic gene
		NQU47_02980	Other gene
		NQU47_02975	Additional biosynthetic gene
		NQU47_02970 NQU47_02965 NQU47_02960	Other genes

		NQU47_02955	
		NQU47_02950 NQU47_02945	Additional biosynthetic genes
		NQU47_02940	Other gene
		NQU47_02935	Core biosynthetic gene
		NQU47_02930	Other gene
		NQU47_02925	Additional biosynthetic gene
		NQU47_02920	Core biosynthetic gene
		NQU47_02915 NQU47_02910 NQU47_02905	Other genes
		NQU47_02900	Additional biosynthetic gene
		NQU47_02895 NQU47_02890 NQU47_02885	Other genes
		NQU47_02880	Additional biosynthetic gene
		NQU47_02875 NQU47_02870 NQU47_02865	Other genes
		NQU47_02860	Additional biosynthetic gene
		NQU47_02855	Regulatory gene
		NQU47_02850 NQU47_02845 NQU47_02840	Other genes
<i>P. paragorgicola</i> KMM 3548 ^T	NZ_AQHE01000022	PPAR_RS18555	Transport-related gene
		PPAR_RS18560 PPAR_RS18565 PPAR_RS18570 PPAR_RS18575 PPAR_RS18580	Other genes
		PPAR_RS18585	Additional biosynthetic gene
		PPAR_RS18590	Other gene
		PPAR_RS18595	Regulatory gene
		PPAR_RS18600	Transport-related gene
		PPAR_RS18605	Additional biosynthetic gene
		PPAR_RS18610	Other genes

		PPAR_RS18615 PPAR_RS18620 PPAR_RS18625 PPAR_RS18630 PPAR_RS18635 PPAR_RS18640 PPAR_RS18645 PPAR_RS18650 PPAR_RS18655 PPAR_RS18660	
		PPAR_RS18665	Core biosynthetic gene
		PPAR_RS18670 PPAR_RS18675 PPAR_RS18680 PPAR_RS18685	Other genes
		PPAR_RS18690	Additional biosynthetic gene
		PPAR_RS18695	Transport-related gene
		PPAR_RS18700 PPAR_RS18705	Other genes
		PPAR_RS18710	Core biosynthetic gene
		PPAR_RS18715 PPAR_RS18720	Other genes
		PPAR_RS18725 PPAR_RS18730 PPAR_RS18735	Additional biosynthetic genes
		PPAR_RS18740	Other gene
		PPAR_RS18745	Additional biosynthetic gene
		PPAR_RS18750	Other gene
		PPAR_RS18755	Additional biosynthetic gene
		PPAR_RS18760 PPAR_RS18765 PPAR_RS18770 PPAR_RS18775	Other genes
		PPAR_RS18780 PPAR_RS18785	Additional biosynthetic genes
		PPAR_RS18790	Other gene
		PPAR_RS18795	Core biosynthetic gene
		PPAR_RS18800	Other gene
		PPAR_RS18805	Additional biosynthetic gene

		PPAR_RS18810	Core biosynthetic gene
		PPAR_RS18815 PPAR_RS18820 PPAR_RS18825	Other genes
		PPAR_RS18830	Additional biosynthetic gene
		PPAR_RS18835 PPAR_RS18840 PPAR_RS18845	Other genes
		PPAR_RS18850	Additional biosynthetic gene
		PPAR_RS18855 PPAR_RS18860 PPAR_RS18865	Other genes
		PPAR_RS18870	Additional biosynthetic gene
		PPAR_RS18875	Regulatory gene
		PPAR_RS18880 PPAR_RS18885 PPAR_RS18890	Other genes
<i>P. agarivorans</i> DSM 14585 ^T	NZ_CP011012	PAGA_RS19690 PAGA_RS19695	Other genes
		PAGA_RS19700	Regulatory gene
		PAGA_RS19705	Transport-related gene
		PAGA_RS19710	Additional biosynthetic gene
		PAGA_RS19715 PAGA_RS19720 PAGA_RS19725 PAGA_RS19730	Other genes
		PAGA_RS19735 PAGA_RS19740 PAGA_RS19745	Additional biosynthetic genes
		PAGA_RS19750	Other gene
		PAGA_RS19755	Additional biosynthetic gene
		PAGA_RS19760	Other gene
		PAGA_RS19765	Additional biosynthetic gene
		PAGA_RS19770 PAGA_RS19775 PAGA_RS19780 PAGA_RS19785	Other genes

		PAGA_RS19790	
		PAGA_RS19795	Additional biosynthetic gene
		PAGA_RS19800	Other gene
		PAGA_RS19805	Core biosynthetic gene
		PAGA_RS19810	Other gene
		PAGA_RS19815	Additional biosynthetic gene
		PAGA_RS19820	Core biosynthetic gene
		PAGA_RS19825 PAGA_RS19830 PAGA_RS19835 PAGA_RS19840 PAGA_RS19845 PAGA_RS19850	Other genes
		PAGA_RS19855	Additional biosynthetic gene
		PAGA_RS19860 PAGA_RS19865 PAGA_RS19870	Other genes
		PAGA_RS19875	Additional biosynthetic gene
		PAGA_RS19880	Regulatory gene
		PAGA_RS19885 PAGA_RS19890 PAGA_RS19895	Other genes
		PAGA_RS19900	Additional biosynthetic gene
<i>"P. telluritireducens"</i> DSM 16098	NZ_LVCM01000051	A2I98_RS17895 A2I98_RS17900	Other genes
		A2I98_RS17905	Regulatory gene
		A2I98_RS17910	Transport-related gene
		A2I98_RS17915	Additional biosynthetic gene
		A2I98_RS17920 A2I98_RS17925 A2I98_RS17930 A2I98_RS17935	Other genes
		A2I98_RS17940 A2I98_RS17945 A2I98_RS17950	Additional biosynthetic genes
		A2I98_RS17955	Other gene

		A2I98_RS17960	Additional biosynthetic gene
		A2I98_RS20735 A2I98_RS17965	Other genes
		A2I98_RS17970	Additional biosynthetic gene
		A2I98_RS17975 A2I98_RS17980 A2I98_RS17985 A2I98_RS17990 A2I98_RS17995	Other genes
		A2I98_RS18000	Additional biosynthetic gene
		A2I98_RS18005	Other gene
		A2I98_RS18010	Core biosynthetic gene
		A2I98_RS18015	Other gene
		A2I98_RS18020	Additional biosynthetic gene
		A2I98_RS18025	Core biosynthetic gene
		A2I98_RS18030 A2I98_RS18035 A2I98_RS18040 A2I98_RS18045 A2I98_RS18050	Other genes
		A2I98_RS18055	Additional biosynthetic gene
		A2I98_RS18060 A2I98_RS18065 A2I98_RS18070	Other genes
		A2I98_RS18075	Additional biosynthetic gene
		A2I98_RS18080	Regulatory gene
		A2I98_RS18085 A2I98_RS18090 A2I98_RS18095	Other genes
		A2I98_RS18100	Additional biosynthetic gene
		A2I98_RS18105	Other gene
<i>P. nigrifaciens</i> NBRC 103036 ^T	NZ_BJXZ01000017	PN102_RS08160	Regulatory gene
		PN102_RS19015 PN102_RS08165	Other genes
		PN102_RS08170	Transport-related gene

		PNI02_RS08175 PNI02_RS08180 PNI02_RS08185	Other genes
		PNI02_RS08190 PNI02_RS08195 PNI02_RS08200	Additional biosynthetic genes
		PNI02_RS08205	Other gene
		PNI02_RS08210	Additional biosynthetic gene
		PNI02_RS08215	Other gene
		PNI02_RS08220	Additional biosynthetic gene
		PNI02_RS08225 PNI02_RS08230 PNI02_RS08235 PNI02_RS08240 PNI02_RS08245	Other genes
		PNI02_RS08250	Additional biosynthetic gene
		PNI02_RS08255	Other gene
		PNI02_RS08260	Core biosynthetic gene
		PNI02_RS08265	Other gene
		PNI02_RS08270	Additional biosynthetic gene
		PNI02_RS08275	Core biosynthetic gene
		PNI02_RS08280 PNI02_RS08285 PNI02_RS08290 PNI02_RS08295 PNI02_RS19105 PNI02_RS08305 PNI02_RS08310 PNI02_RS08315	Other genes
		PNI02_RS08320	Additional biosynthetic gene
		PNI02_RS08325	Regulatory gene
		PNI02_RS08330 PNI02_RS08335 PNI02_RS08340 PNI02_RS08345	Other genes
		PNI02_RS08350	Additional biosynthetic gene
		PNI02_RS08355	Other gene

		PNI02_RS08360	Additional biosynthetic gene
<i>P. translucida</i> KMM 520 ^r	NZ_CP011035	PTRA_RS19000 PTRA_RS17890	Other genes
		PTRA_RS17895 PTRA_RS17900 PTRA_RS17905	Regulatory genes
		PTRA_RS17910	Transport-related gene
		PTRA_RS17915 PTRA_RS17920 PTRA_RS17925	Other genes
		PTRA_RS17930 PTRA_RS17935 PTRA_RS17940	Additional biosynthetic genes
		PTRA_RS17945	Other gene
		PTRA_RS17950	Additional biosynthetic gene
		PTRA_RS17955	Other gene
		PTRA_RS17960	Additional biosynthetic gene
		PTRA_RS17965 PTRA_RS17970 PTRA_RS17975 PTRA_RS17980 PTRA_RS17985	Other genes
		PTRA_RS17990	Additional biosynthetic gene
		PTRA_RS17995	Other gene
		PTRA_RS18000	Core biosynthetic gene
		PTRA_RS18005 PTRA_RS18010	Other genes
		PTRA_RS18015	Additional biosynthetic gene
		PTRA_RS18020	Core biosynthetic gene
		PTRA_RS18025 PTRA_RS18030 PTRA_RS18035 PTRA_RS18040	Other genes
		PTRA_RS18045	Additional biosynthetic gene
		PTRA_RS18050 PTRA_RS18055 PTRA_RS18060	Other genes

		PTRA_RS18065	Additional biosynthetic gene
		PTRA_RS18070	Regulatory gene
		PTRA_RS19310 PTRA_RS18075 PTRA_RS18080 PTRA_RS18085	Other genes
		PTRA_RS18090	Additional biosynthetic gene
<i>P. distincta</i> ANT/505	NZ_ADOP01000007	PH505_RS04320	Additional biosynthetic gene
		PH505_RS04315 PH505_RS04310 PH505_RS04305 PH505_RS04300 PH505_RS04295 PH505_RS04290 PH505_RS04285 PH505_RS04280	Other genes
		PH505_RS04275 PH505_RS04270 PH505_RS04265	Additional biosynthetic genes
		PH505_RS04260	Other gene
		PH505_RS04255	Additional biosynthetic gene
		PH505_RS04250	Other gene
		PH505_RS04245	Additional biosynthetic gene
		PH505_RS04240 PH505_RS04235 PH505_RS04230 PH505_RS04225 PH505_RS04220	Other genes
		PH505_RS04215	Additional biosynthetic gene
		PH505_RS04210	Other gene
		PH505_RS04205	Core biosynthetic gene
		PH505_RS04200	Other gene
		PH505_RS04195	Additional biosynthetic gene
		PH505_RS04190	Core biosynthetic gene
		PH505_RS04185	Other gene

		PH505_RS04180	Additional biosynthetic gene
		PH505_RS04175 PH505_RS04170 PH505_RS04165 PH505_RS04160	Other genes
		PH505_RS04155	Additional biosynthetic gene
		PH505_RS04150 PH505_RS04145 PH505_RS04140	Other genes
		PH505_RS04135	Additional biosynthetic gene
		PH505_RS04130	Regulatory gene
		PH505_RS04125 PH505_RS04120 PH505_RS04115 PH505_RS04110 PH505_RS04105	Other genes
<i>Pseudoalteromonas</i> sp. TAE79	NZ_AUTL01000264	L655_RS0120600 L655_RS0120605 L655_RS0120610 L655_RS0120615 L655_RS0120620 L655_RS0120625	Other genes
		L655_RS0120630 L655_RS0120635 L655_RS0120640	Additional biosynthetic genes
		L655_RS0120645	Other gene
		L655_RS0120650	Additional biosynthetic gene
		L655_RS0120655	Other gene
		L655_RS0120660	Additional biosynthetic gene
		L655_RS0120665 L655_RS0120670 L655_RS0120675 L655_RS0120680 L655_RS0120685	Other genes
		L655_RS0120690	Additional biosynthetic gene
		L655_RS0120695	Other gene
		L655_RS0120700	Core biosynthetic gene

		L655_RS0120705	Other gene
		L655_RS0120710	Additional biosynthetic gene
		L655_RS01000000125975	Core biosynthetic gene
		L655_RS0120720	Other gene
		L655_RS0120725	Additional biosynthetic gene
		L655_RS0120730	Other gene
<i>Pseudoalteromonas</i> sp. TAE80	NZ_AUTM01000285	L657_RS0118550 L657_RS1000000127615 L657_RS0118545 L657_RS0118540 L657_RS0118535 L657_RS0118530 L657_RS0118525	Other genes
		L657_RS0118520 L657_RS0118515 L657_RS0118510	Additional biosynthetic genes
		L657_RS0118505	Other gene
		L657_RS0118500	Additional biosynthetic gene
		L657_RS0118495	Other gene
		L657_RS0118490	Additional biosynthetic gene
		L657_RS0118485 L657_RS0118480 L657_RS0118475 L657_RS0118470 L657_RS0118465	Other genes
		L657_RS0118460	Additional biosynthetic gene
		L657_RS0118455	Other gene
		L657_RS0118450	Core biosynthetic gene
		L657_RS0118445	Other gene
		L657_RS0118440	Additional biosynthetic gene
		L657_RS0118435	Core biosynthetic gene
		L657_RS0118430	Other gene
		L657_RS0118425	Additional biosynthetic gene
		L657_RS0118420	Other gene

