

**Additional File 11: Expression profile of predicted BGCs.**

**Table 1: Expression profiling of the MaNRPS2 cluster (Serinocyclin).**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_020146	39.27	20.86	16.60	NA	NA
MANI_020153	3.28	0.00	0.00	NA	NA
MANI_020163	83.85	2.50	13.55	-4.78	2.46
MANI_020161	0.00	0.90	2.74	NA	NA
MANI_020136	5.00	11.18	2.27	1.25	-2.21
MANI_020119	14.72	10.71	4.77	NA	-1.09
MANI_115536	0.00	7.42	0.00	NA	NA
MANI_020154	0.00	1.66	0.00	NA	NA
MANI_020156	0.88	0.00	0.00	NA	NA
MANI_020147	1.69	0.91	0.00	NA	NA
MANI_020164	0.00	1.92	0.00	NA	NA
MANI_020155	9.37	37.12	2.56	2.09	-3.75
MANI_020139	33.07	36.39	33.99	NA	NA
MANI_020162	24.84	15.84	8.47	NA	NA
MANI_020151	32.58	91.15	163.66	1.58	NA
MANI_029315	5.81	15.61	92.76	1.54	2.52

**Table 2: Expression profiling of the MaOTHER1 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_007159	17.87	34.95	64.73	NA	NA
MANI_007149	39.73	20.00	28.13	NA	NA
MANI_026611	96.44	23.48	18.35	-1.90	NA

<b>MANI_007147</b>	24.95	5.81	4.43	-1.99	NA
<b>MANI_026610</b>	9.99	10.45	10.62	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 3: Expression profiling of the MaOTHER2 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_109737</b>	0.00	4.81	0.98	NA	NA
<b>MANI_007750</b>	0.00	0.00	0.84	NA	NA
<b>MANI_131937</b>	0.00	0.00	1.71	NA	NA
<b>MANI_007754</b>	136.01	214.67	220.69	NA	NA
<b>MANI_007753</b>	285.59	207.31	336.46	NA	NA

**Table 4: Expression profiling of the MaNRPS-PKS3 cluster (Xenolozoyenone-related compound).**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_023523</b>	40.29	10.67	4.07	-1.74	-1.35
<b>MANI_023437</b>	11.23	1.59	0.62	-2.68	-1.30
<b>MANI_030051</b>	6.43	6.62	4.10	NA	NA
<b>MANI_030058</b>	0.69	0.00	0.00	NA	NA
<b>MANI_023546</b>	4.74	3.82	1.67	NA	NA
<b>MANI_023568</b>	3.27	1.32	1.34	NA	NA
<b>MANI_023497</b>	0.00	0.00	0.00	NA	NA
<b>MANI_023527</b>	2.24	2.25	6.42	NA	1.48

The BGC boundaries were delimited by CASSIS.

**Table 5: Expression profiling of the MaIND1 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_023817	0.74	13.71	6.06	4.04	-1.13
MANI_030140	4.11	3.49	3.90	NA	NA
MANI_113953	39.08	0.95	1.45	-5.03	NA
MANI_023814	1.07	0.29	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 6: Expression profiling of the MaPKS2 cluster (Aurovertin).**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_004840	0.00	0.00	0.00	NA	NA
MANI_004781	1.66	0.19	0.00	NA	NA
MANI_114236	0.00	0.00	0.00	NA	NA
MANI_004795	0.54	0.44	0.00	NA	NA
MANI_004789	2.46	3.30	2.01	NA	NA
MANI_114238	0.00	0.00	0.00	NA	NA
MANI_124919	0.00	0.00	0.00	NA	NA
MANI_004822	0.00	5.32	0.68	NA	NA
MANI_004785	0.00	0.00	0.00	NA	NA
MANI_004787	0.00	0.00	0.00	NA	NA
MANI_026081	9.41	1.17	0.30	-2.79	NA
MANI_004841	96.96	44.17	50.18	NA	NA
MANI_004827	3.27	3.30	6.04	NA	NA
MANI_124927	1.83	1.47	0.00	NA	NA
MANI_004821	1.52	0.00	0.62	NA	NA
MANI_114246	0.00	0.00	0.00	NA	NA
MANI_004807	68.73	28.78	12.16	-1.12	-1.21
MANI_004844	22.42	61.91	34.12	1.59	NA

<b>MANI_004776</b>	53.60	30.98	20.79	NA	NA
<b>MANI_004777</b>	22.95	6.88	8.48	-1.57	NA
<b>MANI_004778</b>	133.95	80.25	79.03	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 7: Expression profiling of the MaNRPS3 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_027530</b>	0.00	0.00	0.00	NA	NA
<b>MANI_027532</b>	0.00	0.00	0.00	NA	NA
<b>MANI_011622</b>	0.00	0.00	0.00	NA	NA
<b>MANI_011572</b>	0.00	0.37	0.00	NA	NA
<b>MANI_027526</b>	0.00	1.09	0.19	NA	NA
<b>MANI_011609</b>	3.60	18.83	1.47	2.46	-3.51
<b>MANI_114418</b>	0.00	0.00	0.00	NA	NA
<b>MANI_011644</b>	0.00	0.00	0.00	NA	NA
<b>MANI_011593</b>	0.00	0.00	0.00	NA	NA

**Table 8: Expression profiling of the MaPKS3 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_027534</b>	0.59	39.58	9.20	5.86	-2.05
<b>MANI_027538</b>	0.00	132.34	210.52	8.68	NA
<b>MANI_011630</b>	0.00	64.38	38.76	6.69	NA
<b>MANI_027536</b>	0.00	6.93	0.00	NA	NA
<b>MANI_011575</b>	0.68	0.22	0.22	NA	NA
<b>MANI_011615</b>	7.99	747.98	415.37	6.65	NA
<b>MANI_011585</b>	0.00	0.00	0.00	NA	NA

MANI_011587	0.00	0.00	0.00	NA	NA
MANI_011645	0.00	0.00	0.00	NA	NA
MANI_011623	0.98	0.79	0.00	NA	NA

Table 9: Expression profiling of the MaNRPS4 cluster.

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_029521	0.00	0.00	0.00	NA	NA
MANI_021152	2.00	130.76	239.85	5.82	0.97
MANI_021040	1.51	10.53	0.00	2.81	-6.68
MANI_021047	0.00	0.49	3.01	NA	NA
MANI_021015	0.83	2.33	4.40	NA	NA
MANI_021096	6.12	4.93	0.84	NA	NA
MANI_029504	8.13	14.32	5.41	NA	-1.39
MANI_029514	0.00	0.00	0.00	NA	NA
MANI_021147	3.57	0.00	0.00	NA	NA
MANI_021114	0.00	0.00	0.00	NA	NA
MANI_021108	0.00	0.00	0.00	NA	NA
MANI_021072	0.00	0.00	0.00	NA	NA
MANI_021085	1.73	0.70	0.00	NA	NA
MANI_021143	0.00	0.00	0.00	NA	NA
MANI_021102	0.00	0.00	0.00	NA	NA
MANI_021077	0.00	0.00	0.00	NA	NA
MANI_020971	0.51	0.17	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

Table 10: Expression profiling of the MaNRPS5 cluster.

NCBI's gene locus ID	Expression (RPKM)	Differential expression (log2-fold change)
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	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_026060	5.57	1.34	10.47	-1.90	2.83
MANI_110048	44.93	29.69	12.25	NA	-1.20
MANI_026063	0.00	0.00	0.00	NA	NA
MANI_004685	0.00	0.00	0.00	NA	NA
MANI_004679	12.37	0.00	0.00	NA	NA
MANI_026064	5.69	1.53	1.55	NA	NA
MANI_004691	6.25	0.00	1.02	NA	NA
MANI_004698	4.93	14.57	0.00	NA	NA
MANI_004659	0.87	0.14	0.28	NA	NA
MANI_004676	2.14	17.24	1.17	NA	NA
MANI_004665	0.00	0.00	0.00	NA	NA
MANI_026062	0.00	0.00	0.00	NA	NA
MANI_004683	0.00	0.00	0.00	NA	NA
MANI_004696	0.00	0.00	0.00	NA	NA
MANI_004669	0.00	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 11: Expression profiling of the MaNRPS6 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log <sub>2</sub> -fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_004647	9.24	4.92	2.81	NA	NA
MANI_026065	28.51	8.83	1.79	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 12: Expression profiling of the MaPKS4 cluster.**

NCBI's gene locus ID	Expression (RPKM)	Differential expression (log <sub>2</sub> -fold change)
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	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_029451	0.00	0.00	0.00	NA	NA
MANI_020788	0.00	0.00	0.00	NA	NA
MANI_020787	0.00	1.14	0.00	NA	NA
MANI_020781	12.56	16.04	14.53	NA	NA
MANI_020786	0.00	0.00	0.00	NA	NA
MANI_020789	1.84	2.96	0.00	NA	NA
MANI_110051	0.23	0.09	0.19	NA	NA
MANI_029463	0.00	0.41	0.00	NA	NA
MANI_020891	0.00	0.00	0.00	NA	NA
MANI_020915	0.00	2.12	0.72	NA	NA
MANI_020808	2.70	8.25	9.71	NA	NA
MANI_020807	6.01	5.25	15.16	NA	1.51

Table 13: Expression profiling of the MaOTHER3 cluster.

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_005013	0.81	0.00	0.00	NA	NA
MANI_005019	6.30	4.44	0.00	NA	NA
MANI_004943	0.00	0.00	0.00	NA	NA
MANI_005067	21.84	0.00	0.00	NA	NA
MANI_004951	5.08	0.77	2.08	NA	NA
MANI_026138	0.71	0.00	0.00	NA	NA
MANI_005008	0.00	0.00	0.00	NA	NA
MANI_004982	0.00	0.00	0.00	NA	NA
MANI_005015	0.00	0.00	0.00	NA	NA
MANI_005038	0.00	0.00	0.00	NA	NA
MANI_005061	0.00	0.00	0.00	NA	NA

Table 14: Expression profiling of the MaTERP2 cluster (Lanosterol cyclase).

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_025532	6.98	5.62	18.85	NA	1.71
MANI_002110	27.78	65.85	123.06	1.37	NA
MANI_002183	28.69	22.06	16.01	NA	NA
MANI_002164	4.64	14.96	4.27	1.80	-1.73
MANI_002157	86.77	55.48	61.95	NA	NA
MANI_002152	62.42	20.46	20.34	-1.46	NA

The BGC boundaries were delimited by CASSIS.

**Table 15: Expression profiling of the MaNRPS-PKS4 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_022500	0.00	0.00	0.00	NA	NA
MANI_029817	8.86	0.59	5.44	NA	NA
MANI_022499	0.00	0.00	1.06	NA	NA
MANI_022470	7.87	4.92	1.25	NA	-1.95

The BGC boundaries were delimited by CASSIS.

**Table 16: Expression profiling of the MaPKS5 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_010111	0.00	0.00	0.00	NA	NA
MANI_010152	0.00	0.00	0.00	NA	NA
MANI_010132	2.88	2.32	0.79	NA	NA
MANI_010133	0.00	0.00	0.00	NA	NA



<b>MANI_010116</b>	0.00	0.00	0.71	NA	NA
<b>MANI_010145</b>	0.00	0.00	0.00	NA	NA
<b>MANI_010135</b>	0.00	0.00	2.31	NA	NA
<b>MANI_010096</b>	0.85	16.35	18.69	4.12	NA
<b>MANI_010114</b>	14.06	16.99	18.53	NA	NA
<b>MANI_027208</b>	0.28	0.23	0.00	NA	NA
<b>MANI_027199</b>	0.00	0.24	0.00	NA	NA
<b>MANI_115496</b>	0.00	0.00	0.00	NA	NA
<b>MANI_010167</b>	0.00	0.00	0.00	NA	NA
<b>MANI_010121</b>	0.00	0.00	0.00	NA	NA
<b>MANI_010120</b>	0.00	0.69	2.09	NA	NA
<b>MANI_010092</b>	0.00	0.00	0.00	NA	NA
<b>MANI_010168</b>	0.00	0.00	0.00	NA	NA
<b>MANI_010063</b>	0.74	0.00	0.00	NA	NA
<b>MANI_010140</b>	0.00	0.00	0.00	NA	NA
<b>MANI_027224</b>	0.00	1.25	0.00	NA	NA

**Table 17: Expression profiling of the MaTERP3 cluster.**

<b>NCBI's gene locus ID</b>	<b>Expression (RPKM)</b>			<b>Differential expression (log2-fold change)</b>	
	<b>48hC</b>	<b>48hl</b>	<b>144hl</b>	<b>48hCx48hl</b>	<b>48hlx144hl</b>
<b>MANI_027210</b>	0.00	0.00	0.00	NA	NA
<b>MANI_027216</b>	0.00	0.00	0.00	NA	NA
<b>MANI_010143</b>	3.46	1.86	10.37	NA	NA
<b>MANI_125771</b>	0.00	0.00	1.37	NA	NA
<b>MANI_115504</b>	0.00	0.00	0.00	NA	NA

**Table 18: Expression profiling of the MaPKS6 cluster.**

<b>NCBI's gene locus ID</b>	<b>Expression (RPKM)</b>			<b>Differential expression (log2-fold change)</b>	
	<b>48hC</b>	<b>48hl</b>	<b>144hl</b>	<b>48hCx48hl</b>	<b>48hlx144hl</b>

MANI_115504	0.00	0.00	0.00	NA	NA
MANI_010070	0.00	0.31	0.00	NA	NA
MANI_010106	0.00	0.00	0.00	NA	NA
MANI_010080	0.00	0.00	0.52	NA	NA
MANI_027206	0.00	0.00	0.00	NA	NA
MANI_010100	0.00	0.00	0.00	NA	NA
MANI_115518	0.00	0.00	0.00	NA	NA
MANI_010062	0.00	0.00	0.00	NA	NA
MANI_027223	0.00	0.00	0.00	NA	NA

Table 19: Expression profiling of the MaPKS7 cluster.

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log <sub>2</sub> -fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_020133	1.32	12.52	51.84	3.33	2.00
MANI_115550	0.00	0.00	1.21	NA	NA
MANI_020132	0.00	0.00	0.00	NA	NA
MANI_020152	0.00	0.00	0.00	NA	NA
MANI_020166	0.00	0.00	0.00	NA	NA
MANI_020125	0.12	0.00	0.00	NA	NA
MANI_020170	0.00	0.00	0.00	NA	NA
MANI_029300	1.96	2.37	0.00	NA	NA
MANI_020096	0.00	0.00	0.00	NA	NA
MANI_115552	1.09	1.53	9.11	NA	2.57
MANI_020099	4.06	11.77	118.42	NA	3.35
MANI_020114	0.00	1.84	0.00	NA	NA
MANI_029303	0.00	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

Table 20: Expression profiling of the MaOTHER4 cluster.

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_019978	130.30	139.93	1338.01	NA	3.22
MANI_019961	14.31	18.73	10.98	NA	NA
MANI_019967	3.47	2.24	10.80	NA	2.22
MANI_019956	228.68	81.62	415.42	-1.35	2.26
MANI_029277	15.97	6.27	6.70	-1.23	NA
MANI_029279	5.81	1.25	0.32	NA	NA
MANI_019946	59.12	52.64	43.27	NA	NA
MANI_019963	66.63	32.66	58.30	NA	NA
MANI_019984	31.07	0.00	0.00	NA	NA
MANI_019966	0.80	0.00	0.00	NA	NA
MANI_019955	19.35	26.54	9.84	NA	-1.43
MANI_029283	0.00	0.00	0.00	NA	NA

Table 21: Expression profiling of the MaNRPS7 cluster.

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_027353	8.11	6.53	0.00	NA	NA
MANI_010645	17.79	17.30	12.08	NA	NA
MANI_010631	6.41	20.32	12.50	1.79	NA
MANI_115821	50.55	62.04	55.14	NA	NA
MANI_010634	33.25	36.79	55.35	NA	NA
MANI_010656	12.92	13.68	18.73	NA	NA

The BGC boundaries were delimited by CASSIS.

Table 22: Expression profiling of the MaTERP4 cluster.

NCBI's gene locus ID	Expression (RPKM)	Differential expression (log2-fold change)
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	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_021634	25.52	20.56	12.53	NA	NA
MANI_021633	5.19	7.32	13.81	NA	NA
MANI_021625	7.97	27.80	13.03	1.93	-1.05
MANI_116096	32.26	46.37	47.62	NA	NA
MANI_021624	2.34	4.71	0.96	NA	NA
MANI_021637	7.16	1.92	0.00	NA	NA

Table 23: Expression profiling of the MaPKS8 cluster (MrPKS2).

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_028483	0.00	0.00	0.00	NA	NA
MANI_016007	0.00	0.00	0.00	NA	NA
MANI_116665	0.00	1.72	0.00	NA	NA
MANI_016082	0.00	0.00	0.00	NA	NA
MANI_028434	1.24	1.22	0.22	NA	NA
MANI_016169	0.00	2.67	0.00	NA	NA
MANI_016181	1.59	6.41	0.00	NA	NA
MANI_016065	2.32	0.00	0.00	NA	NA
MANI_110628	0.00	2.70	0.00	NA	NA
MANI_016229	0.00	0.00	0.00	NA	NA
MANI_016226	0.00	0.00	0.00	NA	NA
MANI_016231	0.00	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

Table 24: Expression profiling of the MaOTHER5 cluster.

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl

MANI_116947	236.85	15.37	9.15	-3.82	NA
MANI_018049	74.38	45.22	64.43	NA	NA
MANI_028870	132.40	21.86	20.18	-2.45	NA
MANI_018046	1.25	35.29	13.83	4.82	-1.34
MANI_018106	2.62	3.17	1.07	NA	NA
MANI_028863	16.63	10.42	1.51	NA	-2.67
MANI_018104	37.83	10.60	22.88	-1.66	1.13
MANI_018111	105.18	36.08	28.68	-1.37	NA
MANI_018053	44.82	12.58	9.44	-1.71	NA
MANI_018009	52.57	17.96	34.76	-1.42	1.01
MANI_110662	12.83	12.72	19.38	NA	NA
MANI_017975	15.21	8.31	11.11	NA	NA
MANI_028845	14.53	27.80	16.35	NA	NA
MANI_028842	97.33	60.97	71.89	NA	NA
MANI_017970	13.37	13.08	35.16	NA	1.48
MANI_017982	21.66	7.75	23.63	NA	1.58
MANI_017985	24.41	23.08	24.31	NA	NA

Table 25: Expression profiling of the MaNRPS8 cluster (Metachelin).

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hI	144hI	48hCx48hI	48hIx144hI
MANI_003049	5.59	1.72	0.54	-1.55	NA
MANI_003143	14.88	6.20	2.52	-1.16	NA
MANI_025764	3.83	0.00	0.00	NA	NA
MANI_003177	22.45	9.61	4.59	-1.10	-1.06
MANI_003060	5.47	5.11	3.94	NA	NA
MANI_003059	28.13	17.17	17.20	NA	NA
MANI_003078	12.29	16.20	15.08	NA	NA
MANI_003226	11.23	2.26	18.40	NA	NA
MANI_003103	12.66	13.78	11.22	NA	NA
MANI_003099	16.46	31.92	34.02	1.07	NA

The BGC boundaries were delimited by CASSIS.

**Table 26: Expression profiling of the MaNRPS9 cluster (Ferricrocin).**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_008252</b>	5.97	1.92	0.00	NA	NA
<b>MANI_127150</b>	15.49	22.86	18.33	NA	NA
<b>MANI_008246</b>	39.97	36.56	15.34	NA	-1.22
<b>MANI_117323</b>	17.81	44.82	39.16	1.42	NA
<b>MANI_117325</b>	10.64	28.26	21.38	1.51	NA
<b>MANI_008248</b>	2.57	6.21	3.36	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 27: Expression profiling of the MaPKS9 cluster (Viridicatumtoxin).**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_003872</b>	0.00	0.00	1.05	NA	NA
<b>MANI_003860</b>	0.00	0.00	0.00	NA	NA
<b>MANI_003846</b>	3.52	3.41	2.88	NA	NA
<b>MANI_003816</b>	7.62	6.14	3.12	NA	NA
<b>MANI_003811</b>	1.21	0.00	0.33	NA	NA
<b>MANI_003842</b>	0.00	0.00	0.00	NA	NA
<b>MANI_003768</b>	0.66	0.00	0.00	NA	NA
<b>MANI_003787</b>	3.60	1.45	0.00	NA	NA
<b>MANI_025884</b>	2.33	4.37	3.80	NA	NA
<b>MANI_003838</b>	23.66	1.03	1.05	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 28: Expression profiling of the MaNRPS10 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_003979	1.00	4.01	0.00	NA	NA
MANI_003960	7.40	2.98	0.61	NA	NA
MANI_003945	0.00	0.45	0.00	NA	NA
MANI_003902	0.17	0.87	0.34	NA	NA
MANI_004003	0.00	0.00	0.00	NA	NA
MANI_003995	0.00	1.43	0.00	NA	NA
MANI_003990	0.00	52.01	5.98	7.65	-3.02
MANI_003985	0.00	0.00	0.00	NA	NA
MANI_003934	0.70	0.57	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 29: Expression profiling of the MaPKS10 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_019165	299.73	28.05	6.75	-3.31	-1.98
MANI_019170	231.24	21.04	8.71	-3.34	-1.24
MANI_019155	262.76	22.90	8.86	-3.52	-1.34
MANI_019168	430.71	96.96	32.83	-2.12	-1.49

The BGC boundaries were delimited by CASSIS.

**Table 30: Expression profiling of the MaOTHER6 cluster.**

NCBI's gene locus ID	Expression (RPKM)	Differential expression (log2-fold change)
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	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_127795	0.00	32.13	143.38	NA	2.15
MANI_006107	47.10	38.84	70.65	NA	NA
MANI_006104	3.96	1.60	0.81	NA	NA
MANI_006102	8.04	0.00	1.20	NA	NA
MANI_110861	2.65	3.56	1.45	NA	NA
MANI_117972	9.17	8.72	8.86	NA	NA
MANI_006066	2.22	12.50	9.98	NA	NA
MANI_006043	55.72	11.33	6.91	-2.17	NA
MANI_006072	10.62	62.02	11.95	2.62	-2.31
MANI_127783	5.46	5.49	4.47	NA	NA
MANI_026371	7.27	6.51	3.97	NA	NA
MANI_006080	0.00	0.00	0.00	NA	NA
MANI_026382	372.43	218.58	42.29	NA	-2.40
MANI_026375	6.64	14.97	9.23	1.26	NA

Table 31: Expression profiling of the MaOTHER7 cluster.

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_000880	0.00	0.00	0.00	NA	NA
MANI_118212	0.00	0.00	0.00	NA	NA
MANI_000883	7.91	4.25	3.59	NA	NA
MANI_025256	9.30	2.50	5.07	NA	NA
MANI_000863	5.37	1.44	0.73	NA	NA
MANI_000865	0.32	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

Table 32: Expression profiling of the MaOTHER8 cluster.

NCBI's gene locus ID	Expression (RPKM)	Differential expression (log2-fold
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				change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_000878</b>	1012.15	626.02	73.40	NA	-3.14
<b>MANI_110901</b>	11.64	136.93	74.57	3.63	NA
<b>MANI_000858</b>	12.25	54.27	24.50	2.26	-1.13
<b>MANI_000852</b>	0.00	207.98	129.69	10.09	NA
<b>MANI_118224</b>	9.55	204.61	60.95	4.50	-1.78
<b>MANI_000859</b>	8.82	278.69	146.05	5.09	-1.00
<b>MANI_000861</b>	6.11	180.78	190.77	4.96	NA

The BGC boundaries were delimited by CASSIS.

**Table 33: Expression profiling of the MaTERP-PKS1 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_118227</b>	0.00	0.00	0.00	NA	NA
<b>MANI_026441</b>	1.02	23.73	0.83	NA	NA
<b>MANI_006343</b>	0.00	0.00	0.00	NA	NA
<b>MANI_127977</b>	0.00	0.00	0.00	NA	NA
<b>MANI_006355</b>	0.00	0.00	1.46	NA	NA
<b>MANI_006367</b>	1.21	0.00	0.00	NA	NA
<b>MANI_006324</b>	0.00	0.22	0.00	NA	NA
<b>MANI_006356</b>	0.00	0.00	0.00	NA	NA
<b>MANI_006353</b>	0.00	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 34: Expression profiling of the MaPKS11 cluster.**

NCBI's gene locus ID	Expression (RPKM)	Differential expression (log2-fold change)
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	<b>48hC</b>	<b>48hl</b>	<b>144hl</b>	<b>48hCx48hl</b>	<b>48hlx144hl</b>
<b>MANI_006805</b>	<b>13.56</b>	<b>6.95</b>	<b>7.07</b>	NA	NA
<b>MANI_006801</b>	17.98	12.35	9.08	NA	NA
<b>MANI_006859</b>	15.96	18.56	26.11	NA	NA
<b>MANI_006835</b>	32.66	26.31	18.96	NA	NA
<b>MANI_006858</b>	43.49	28.29	67.06	NA	1.26
<b>MANI_026542</b>	0.00	0.00	0.00	NA	NA
<b>MANI_006811</b>	0.00	0.55	0.00	NA	NA
<b>MANI_006808</b>	0.00	0.00	0.00	NA	NA
<b>MANI_006856</b>	0.00	0.00	0.00	NA	NA
<b>MANI_006827</b>	0.00	0.00	0.00	NA	NA
<b>MANI_006783</b>	0.93	0.37	0.00	NA	NA
<b>MANI_006831</b>	0.00	0.00	0.00	NA	NA
<b>MANI_006795</b>	0.79	0.63	0.00	NA	NA
<b>MANI_006836</b>	0.00	0.00	0.00	NA	NA
<b>MANI_118628</b>	1.60	1.72	1.31	NA	NA
<b>MANI_006798</b>	1.75	4.69	4.77	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 35: Expression profiling of the MaPKS12 cluster.**

<b>NCBI's gene locus ID</b>	<b>Expression (RPKM)</b>			<b>Differential expression (log2-fold change)</b>	
	<b>48hC</b>	<b>48hl</b>	<b>144hl</b>	<b>48hCx48hl</b>	<b>48hlx144hl</b>
<b>MANI_002711</b>	0.00	0.51	0.00	NA	NA
<b>MANI_002718</b>	1.15	0.00	0.00	NA	NA
<b>MANI_002715</b>	0.91	0.73	0.00	NA	NA
<b>MANI_002710</b>	1.58	0.85	2.16	NA	NA
<b>MANI_110978</b>	0.12	0.00	0.10	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 36: Expression profiling of the MaTERP5 cluster (GGPP synthase).**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_024154</b>	56.33	19.06	14.72	-1.42	NA
<b>MANI_024125</b>	30.14	45.84	60.37	NA	NA
<b>MANI_024126</b>	45.84	32.23	36.97	NA	NA
<b>MANI_024161</b>	42.10	33.90	31.26	NA	NA
<b>MANI_030188</b>	3.93	3.54	5.12	NA	NA
<b>MANI_030184</b>	0.48	0.39	1.57	NA	NA
<b>MANI_118863</b>	13.35	13.35	15.50	NA	NA
<b>MANI_024131</b>	19.90	29.06	41.22	NA	NA
<b>MANI_024139</b>	12.34	9.94	19.06	NA	NA
<b>MANI_024162</b>	6.06	1.63	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 37: Expression profiling of the MaOTHER9 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_024160</b>	0.00	0.00	0.00	NA	NA
<b>MANI_024071</b>	0.00	0.22	0.00	NA	NA
<b>MANI_024095</b>	5.57	0.37	0.38	NA	NA
<b>MANI_024163</b>	19.00	13.70	4.09	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 38: Expression profiling of the MaNRPS11 cluster.**

NCBI's gene locus ID	Expression (RPKM)	Differential expression (log2-fold change)
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	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_006972	0.00	3.22	0.00	NA	NA
MANI_006947	10.67	7.60	1.95	NA	-1.97
MANI_006962	13.24	19.43	23.60	NA	NA
MANI_006985	14.84	15.21	32.00	NA	1.08
MANI_026573	6.23	4.02	0.00	NA	NA
MANI_006959	60.29	41.06	51.73	NA	NA
MANI_006969	11.71	3.14	1.60	NA	NA
MANI_118897	8.95	5.90	14.01	NA	1.31

The BGC boundaries were delimited by CASSIS.

Table 39: Expression profiling of the MaNRPS-PKS5 cluster.

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_006242	2.06	0.00	0.00	NA	NA
MANI_128792	0.00	0.00	0.00	NA	NA
MANI_006238	4.25	0.00	0.00	NA	NA
MANI_006214	2.36	0.95	0.00	NA	NA
MANI_026405	6.57	4.91	1.54	NA	NA
MANI_006237	9.55	0.00	0.00	NA	NA
MANI_006185	1.88	1.21	0.31	NA	NA
MANI_006236	5.57	0.00	0.00	NA	NA
MANI_006158	0.16	0.00	0.00	NA	NA
MANI_006235	0.00	0.00	0.00	NA	NA
MANI_006219	3.16	0.00	0.00	NA	NA
MANI_026410	0.00	0.00	0.00	NA	NA
MANI_026395	0.12	0.00	0.00	NA	NA

Table 40: Expression profiling of the MaNRPS12 cluster.

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_006235	0.00	0.00	0.00	NA	NA
MANI_006219	3.14	0.00	0.00	NA	NA
MANI_026410	0.00	0.00	0.00	NA	NA
MANI_026395	0.12	0.00	0.00	NA	NA
MANI_006234	0.00	0.00	0.00	NA	NA
MANI_026399	0.40	0.16	0.33	NA	NA
MANI_006155	0.38	0.04	0.04	NA	NA
MANI_006174	19.31	31.10	33.75	NA	NA
MANI_006224	2.22	2.98	2.42	NA	NA
MANI_006172	0.37	0.00	0.00	NA	NA
MANI_119390	0.00	0.46	0.00	NA	NA
MANI_006208	11.80	0.79	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 41: Expression profiling of the MaPKS13 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_006263	0.00	0.00	0.00	NA	NA
MANI_006262	21.65	6.60	4.31	-1.56	NA
MANI_006250	17.29	13.39	8.52	NA	NA
MANI_006260	15.58	14.53	6.04	NA	-1.22
MANI_006261	77.75	3.89	1.80	-4.20	NA
MANI_111163	68.91	73.35	79.32	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 42: Expression profiling of the MaIND-TERP1 cluster (Terpendole E/lolitrein-related compound).**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_027395	1.49	6.01	8.54	NA	NA
MANI_027395	1.49	6.01	8.54	NA	NA
MANI_111286	0.00	7.49	1.38	NA	NA
MANI_027412	0.00	0.00	0.00	NA	NA
MANI_027413	0.00	0.00	0.00	NA	NA
MANI_119883	1.37	2.21	13.49	NA	2.60
MANI_011022	0.00	0.00	0.00	NA	NA
MANI_011010	0.00	0.00	0.74	NA	NA
MANI_011011	0.00	0.00	0.00	NA	NA
MANI_011024	0.87	0.00	0.00	NA	NA
MANI_119895	0.00	0.00	0.00	NA	NA
MANI_011015	0.00	0.00	0.56	NA	NA
MANI_027409	0.00	0.00	0.00	NA	NA
MANI_011023	0.00	1.23	0.62	NA	NA

Table 43: Expression profiling of the MaNRPS13 cluster.

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_008887	87.51	40.93	72.24	NA	NA
MANI_008916	34.75	12.44	14.76	-1.29	NA
MANI_008932	50.81	57.28	47.19	NA	NA
MANI_008883	3.06	3.95	5.01	NA	NA
MANI_026956	23.71	37.62	34.69	NA	NA
MANI_026948	0.37	1.20	1.22	NA	NA
MANI_008854	0.00	4.49	0.00	NA	NA
MANI_008852	0.86	0.00	0.00	NA	NA
MANI_008843	0.15	0.00	0.00	NA	NA
MANI_008835	0.00	0.00	0.00	NA	NA

<b>MANI_008820</b>	3.25	5.57	1.00	NA	NA
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The BGC boundaries were delimited by CASSIS.

**Table 44: Expression profiling of the MaPKS14 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_018961</b>	0.00	6.48	0.00	NA	NA
<b>MANI_029060</b>	0.92	0.74	0.75	NA	NA
<b>MANI_018925</b>	0.00	1.95	0.49	NA	NA
<b>MANI_018949</b>	0.99	7.15	1.61	NA	NA
<b>MANI_018915</b>	0.51	7.81	7.93	NA	NA
<b>MANI_018966</b>	2.15	6.91	3.51	NA	NA
<b>MANI_018879</b>	2.82	6.81	2.58	1.42	-1.37

**Table 45: Expression profiling of the MaIND-NRPS1 cluster (Elymoclavine/ergovaline-related compound).**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_021859</b>	0.00	0.00	0.00	NA	NA
<b>MANI_029655</b>	0.00	0.00	0.00	NA	NA
<b>MANI_021853</b>	0.00	0.00	0.00	NA	NA
<b>MANI_029666</b>	0.00	0.00	0.00	NA	NA
<b>MANI_029677</b>	0.00	0.00	0.00	NA	NA
<b>MANI_021832</b>	2.48	0.50	0.51	NA	NA
<b>MANI_021880</b>	0.00	0.00	0.00	NA	NA
<b>MANI_120630</b>	0.39	1.26	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 46: Expression profiling of the MaOTHER10 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_011655	7.77	6.57	10.81	NA	NA
MANI_011669	10.08	13.19	5.15	NA	-1.33
MANI_011674	6.85	1.38	0.70	NA	NA
MANI_011690	0.00	112.28	107.00	8.53	NA
MANI_011679	1.18	1.43	19.78	NA	3.68
MANI_011680	5.09	8.72	59.38	NA	2.75
MANI_011687	14.26	58.09	22.64	2.14	-1.32
MANI_011653	0.00	0.00	0.00	NA	NA

Table 47: Expression profiling of the MaPKS15 cluster.

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_021560	6.78	4.96	19.70	NA	1.93
MANI_021544	0.00	3.49	0.00	NA	NA
MANI_021563	16.13	1022.48	19.79	6.09	-5.64
MANI_021550	6.02	16.57	44.34	1.58	1.42
MANI_021547	2.17	10.06	12.00	2.27	NA
MANI_021569	1.26	1.01	1.03	NA	NA
MANI_021559	0.60	2.92	0.00	NA	NA
MANI_029610	0.73	0.00	1.80	NA	NA
MANI_021580	0.00	0.00	0.00	NA	NA
MANI_021529	0.98	0.79	0.20	NA	NA

The BGC boundaries were delimited by CASSIS.

Table 48: Expression profiling of the MaPKS16 cluster.

NCBI's gene locus ID	Expression (RPKM)	Differential expression (log2-fold change)
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	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_020896	0.00	0.00	0.00	NA	NA
MANI_029455	0.24	0.19	0.00	NA	NA
MANI_020910	0.00	0.00	0.00	NA	NA
MANI_020904	0.00	0.00	0.00	NA	NA
MANI_121029	0.00	0.57	0.58	NA	NA
MANI_020797	0.00	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 49: Expression profiling of the MaOTHER11 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_121318	32.80	17.12	10.18	NA	NA
MANI_007223	10.35	18.63	17.43	NA	NA
MANI_007317	19.62	6.70	16.05	-1.36	1.25
MANI_121326	60.49	25.00	29.63	-1.15	NA
MANI_026683	157.67	74.92	48.26	NA	NA
MANI_111648	86.50	52.01	42.86	NA	NA
MANI_026624	12.59	3.59	3.49	-1.68	NA
MANI_007232	41.21	26.04	26.71	NA	NA
MANI_121338	46.45	14.76	12.15	-1.53	NA
MANI_121345	22.65	16.91	46.09	NA	1.49
MANI_136963	22.73	12.20	12.42	NA	NA
MANI_007164	17.88	26.56	25.27	NA	NA
MANI_130057	39.08	15.38	12.52	-1.24	NA

**Table 50: Expression profiling of the MaNRPS-PKS7 cluster.**

NCBI's gene locus ID	Expression (RPKM)	Differential expression (log2-fold change)
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	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_002005</b>	0.00	0.00	0.00	NA	NA
<b>MANI_001951</b>	0.22	0.17	0.71	NA	NA
<b>MANI_001950</b>	0.00	0.16	0.00	NA	NA
<b>MANI_121458</b>	0.00	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 51: Expression profiling of the MaPKS17 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_002833</b>	0.00	0.00	0.00	NA	NA
<b>MANI_002790</b>	0.00	0.00	0.00	NA	NA
<b>MANI_002789</b>	13.10	5.63	10.00	NA	NA
<b>MANI_002808</b>	0.00	3.00	1.52	NA	NA
<b>MANI_025650</b>	1.54	5.05	1.58	1.75	-1.55
<b>MANI_002819</b>	0.80	13.61	2.63	NA	NA
<b>MANI_002768</b>	1.37	23.87	9.65	4.22	-1.32
<b>MANI_002813</b>	0.84	0.67	0.00	NA	NA
<b>MANI_002850</b>	2.43	1.95	0.00	NA	NA
<b>MANI_002828</b>	0.00	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 52: Expression profiling of the MaOTHER12 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_010565</b>	0.00	0.00	0.00	NA	NA
<b>MANI_010519</b>	83.27	258.33	140.03	1.75	NA

<b>MANI_010516</b>	0.00	11.80	1.89	NA	NA
<b>MANI_010482</b>	0.59	8.37	2.43	3.81	-1.74
<b>MANI_010462</b>	1.05	16.85	3.42	NA	NA
<b>MANI_010460</b>	0.00	2.70	0.00	NA	NA
<b>MANI_010583</b>	1.91	65.38	35.94	5.09	NA
<b>MANI_027314</b>	0.54	6.06	3.08	NA	NA
<b>MANI_010548</b>	0.78	69.21	56.88	6.31	NA
<b>MANI_027320</b>	0.00	21.77	7.04	7.38	-1.66

The BGC boundaries were delimited by CASSIS.

**Table 53: Expression profiling of the MaPKS18 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log <sub>2</sub> -fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_027325</b>	279.12	15.82	12.19	-4.04	NA
<b>MANI_010559</b>	0.00	0.00	0.00	NA	NA
<b>MANI_010451</b>	2.14	296.21	8.90	7.21	-5.01
<b>MANI_010561</b>	7.70	427.29	28.00	5.90	-3.98
<b>MANI_027340</b>	1.85	44.71	0.00	4.43	-6.89
<b>MANI_010595</b>	5.59	243.85	4.57	5.52	-5.65
<b>MANI_010577</b>	0.91	237.72	14.91	7.86	-3.95
<b>MANI_010494</b>	5.23	394.22	2.44	6.35	-7.27
<b>MANI_010469</b>	0.00	35.23	1.38	8.20	-4.52
<b>MANI_027305</b>	0.00	60.56	6.04	8.75	-3.32
<b>MANI_121654</b>	0.83	105.53	15.61	6.85	-2.78
<b>MANI_010508</b>	2.57	456.62	2.10	7.54	-7.67
<b>MANI_010524</b>	0.65	216.07	1.59	8.20	-6.92
<b>MANI_010603</b>	7.89	1844.05	101.19	7.94	-4.13
<b>MANI_121656</b>	0.00	179.64	3.23	8.75	-5.62

The BGC boundaries were delimited by CASSIS.

**Table 54: Expression profiling of the MaNRPS-PKS6 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_010576	0.00	0.72	0.00	NA	NA
MANI_010456	0.00	0.00	0.00	NA	NA
MANI_121659	0.00	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 55: Expression profiling of the MaPKS19 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_012057	32.23	35.24	28.70	NA	NA
MANI_012116	35.65	16.36	21.78	NA	NA
MANI_012094	24.60	6.60	26.09	-1.74	2.01
MANI_012096	25.33	16.58	66.06	NA	1.85
MANI_012206	2.03	4.08	5.81	NA	NA
MANI_121697	10.57	57.48	12.98	2.50	-2.05
MANI_130428	0.00	0.82	0.00	NA	NA
MANI_012054	2.89	4.95	7.29	NA	NA
MANI_012122	34.25	11.69	14.72	-1.46	NA

The BGC boundaries were delimited by CASSIS.

**Table 56: Expression profiling of the MATERP6 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl

<b>MANI_020045</b>	4.98	9.12	10.37	NA	NA
<b>MANI_020046</b>	9.79	8.35	11.31	NA	NA
<b>MANI_020049</b>	1.81	3.65	8.89	NA	NA
<b>MANI_020053</b>	58.05	21.51	35.15	-1.30	NA

The BGC boundaries were delimited by CASSIS.

**Table 57: Expression profiling of the MaOTHER13 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_000542**</b>	23.17	48.52	50.97	1.14	NA
<b>MANI_025166**</b>	2.95	3.57	0.60	NA	NA
<b>MANI_000548**</b>	0.00	0.00	0.00	NA	NA
<b>MANI_000544**</b>	0.00	8.10	0.00	NA	NA
<b>gene fragmented between two contigs</b>	X	X	X		
<b>MANI_000554***</b>	4.34	23.00	31.48	2.51	NA
<b>MANI_025168***</b>	0.18	7.82	10.94	5.23	NA
<b>MANI_000583****</b>	8.03	9.70	1.64	NA	-2.43
<b>MANI_000620****</b>	16.39	7.92	10.73	NA	NA
<b>MANI_000601****</b>	17.74	6.90	19.52	-1.24	1.47
<b>MANI_000573****</b>	3.17	2.98	8.20	NA	1.48
<b>MANI_000623****</b>	0.00	0.00	0.00	NA	NA
<b>MANI_000569****</b>	0.00	0.00	0.00	NA	NA

\*\*contig00046 \*\*\*contig00234 \*\*\*\*contig00235

The BGC boundaries were delimited by comparative genomic.

**Table 58: Expression profiling of the MaIND2 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_004366	23.11	1503.88	224.45	6.15	-2.69
MANI_004339	8.07	6.99	2.03	NA	NA
MANI_004371	4.99	18.77	23.19	NA	NA
MANI_111866	27.97	55.51	49.94	1.11	NA
MANI_004296	603.43	29.95	15.52	-4.23	NA
MANI_004325	6.92	4.71	2.18	NA	NA
MANI_004330	62.93	283.97	119.47	2.30	-1.23
MANI_004315	149.01	74.86	43.86	NA	NA
MANI_004356	17.98	86.01	27.68	2.38	-1.66
MANI_004327	1.15	26.91	25.45	4.51	NA
MANI_004359	0.00	0.00	0.00	NA	NA
MANI_004342	0.00	2.15	0.00	NA	NA
MANI_004337	2.88	2.32	1.88	NA	NA
MANI_025992	3.17	0.85	0.00	NA	NA
MANI_122213	6.38	7.19	2.09	NA	NA
MANI_025981	4.80	3.48	2.36	NA	NA

The BGC boundaries were delimited by CASSIS.

Table 59: Expression profiling of the MaSID1 cluster.

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_004337	2.88	2.32	1.88	NA	NA
MANI_025992	3.17	0.85	0.00	NA	NA
MANI_122213	6.38	7.19	2.09	NA	NA
MANI_025981	4.80	3.48	2.36	NA	NA
MANI_025985	5.19	2.09	6.38	NA	NA
MANI_122223	3.64	0.00	0.00	NA	NA
MANI_004345	13.90	16.23	7.97	NA	NA

<b>MANI_025995</b>	34.27	23.91	9.36	NA	NA
<b>MANI_004301</b>	0.00	0.00	0.00	NA	NA
<b>MANI_004302</b>	0.00	0.00	0.00	NA	NA
<b>MANI_004303</b>	0.00	0.00	0.00	NA	NA
<b>MANI_025984</b>	0.00	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 60: Expression profiling of the MaTERP7 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_020268</b>	7.86	0.00	1.07	NA	NA
<b>MANI_020207</b>	0.59	0.48	0.00	NA	NA
<b>MANI_020272</b>	0.00	0.00	0.00	NA	NA
<b>MANI_020253</b>	0.00	0.00	0.00	NA	NA
<b>MANI_020226</b>	3.26	1.97	1.33	NA	NA
<b>MANI_130866</b>	1.39	0.00	0.00	NA	NA
<b>MANI_020201</b>	3.17	22.04	15.93	2.86	NA

The BGC boundaries were delimited by CASSIS.

**Table 61: Expression profiling of the MaPKS20 cluster (MrPKS1).**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_122426</b>	0.43	0.11	0.00	NA	NA
<b>MANI_030118</b>	0.00	0.00	0.00	NA	NA
<b>MANI_122440</b>	0.00	0.00	0.00	NA	NA
<b>MANI_024459</b>	0.00	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 62: Expression profiling of the MaPKS20 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_009961	0.00	0.00	0.00	NA	NA
MANI_009911	0.00	0.00	0.00	NA	NA
MANI_009948	0.00	0.00	0.00	NA	NA
MANI_009931	0.00	0.00	0.00	NA	NA
MANI_122478	0.33	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 63: Expression profiling of the MaOTHER14 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_009929	8.46	2.62	0.00	NA	NA
MANI_027167	0.00	0.00	0.00	NA	NA
MANI_009917	0.00	0.00	0.00	NA	NA
MANI_122490	0.60	0.00	0.00	NA	NA
MANI_027170	0.62	0.00	1.01	NA	NA
MANI_009926	1.56	0.00	0.00	NA	NA
MANI_009964	0.00	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 64: Expression profiling of the MaTERP8 cluster.**

NCBI's gene locus ID	Expression (RPKM)	Differential expression (log2-fold change)
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				change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_010996</b>	0.00	142.69	29.99	8.44	-2.19
<b>MANI_027397</b>	0.00	0.00	0.00	NA	NA
<b>MANI_010966</b>	12.38	17.56	15.94	NA	NA
<b>MANI_010962</b>	1.85	1.46	3.03	NA	NA
<b>MANI_010993</b>	0.00	0.00	0.00	NA	NA
<b>MANI_010967</b>	0.00	0.00	0.54	NA	NA
<b>MANI_027387</b>	10.14	11.92	11.13	NA	NA
<b>MANI_027402</b>	3.12	6.71	6.83	NA	NA
<b>MANI_119837</b>	1.88	0.00	1.54	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 65: Expression profiling of the MaPKS21 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_110367</b>	0.00	0.33	0.00	NA	NA
<b>MANI_006393</b>	0.00	0.00	0.00	NA	NA
<b>MANI_006390</b>	0.00	2.05	0.00	NA	NA
<b>MANI_006399</b>	0.70	0.00	0.00	NA	NA
<b>MANI_006397</b>	0.00	0.42	0.00	NA	NA
<b>MANI_006388</b>	1.13	0.61	0.00	NA	NA
<b>MANI_006380</b>	4.53	0.37	0.93	-3.34	NA
<b>MANI_025247</b>	13.04	7.88	8.01	NA	NA
<b>MANI_110374</b>	16.10	4.82	1.23	-1.61	NA
<b>MANI_025248</b>	0.94	0.75	1.53	NA	NA
<b>MANI_000835</b>	10.20	58.41	32.51	2.63	NA

The BGC boundaries were delimited by CASSIS.

**Table 66: Expression profiling of the MaPKS22 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_017305	11.98	4.70	2.27	-1.21	NA
MANI_028697	32.25	19.25	11.85	NA	NA
MANI_017308	44.68	42.33	54.92	NA	NA
MANI_028694	9.95	7.16	1.17	NA	NA
MANI_017329	5.44	0.00	0.64	NA	NA
MANI_017326	14.64	33.41	15.00	1.34	-1.17
MANI_028690	100.76	59.02	47.20	NA	NA
MANI_017297	76.21	53.97	58.30	NA	NA
MANI_028699	16.10	7.98	15.22	NA	1.01
MANI_017319	28.36	15.67	19.14	NA	NA
MANI_014258	0.00	0.00	0.00	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 67: Expression profiling of the MaTERP9 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log2-fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
MANI_022954	5.42	0.55	1.67	NA	NA
MANI_022919	19.28	6.79	2.57	-1.38	-1.39
MANI_029935	19.16	23.51	9.72	NA	-1.20
MANI_022959	11.49	12.03	5.18	NA	-1.15
MANI_022941	2.43	18.77	6.76	3.04	-1.44
MANI_022963	4.64	9.60	6.51	NA	NA
MANI_022973	0.00	4.29	1.45	NA	NA

The BGC boundaries were delimited by CASSIS.

**Table 68: Expression profiling of the MaIND3 cluster.**

NCBI's gene locus ID	Expression (RPKM)			Differential expression (log <sub>2</sub> -fold change)	
	48hC	48hl	144hl	48hCx48hl	48hlx144hl
<b>MANI_024998</b>	1.92	0.77	2.36	NA	NA
<b>MANI_030435</b>	0.00	0.00	0.00	NA	NA
<b>MANI_024979</b>	0.00	0.00	0.00	NA	NA
<b>MANI_024963</b>	2.58	0.26	2.90	NA	NA
<b>MANI_030430</b>	3.77	0.00	1.93	NA	NA
<b>MANI_024985</b>	1.68	0.90	3.22	NA	NA
<b>MANI_112059</b>	25.12	17.53	18.52	NA	NA
<b>MANI_024957</b>	2.32	22.89	6.89	3.42	-1.69

For all tables, forty-eight hours for control condition (hC) and both 48 and 144 hours for infection condition (hl) were used to estimate the relative changes in expression levels. NA: Not Available.