Supplementary Methods

Supp. Fig. 1 - Growth curves of drug-treated cultures for RNAseq analysis. Newman cultures were treated with the indicated concentration of drug and OD_{600} monitored every 20 min.

Supp. Table 1: GraSR regulated genes. The maximal upregulation at any time point for each given condition is reported. Genes with maximal regulation >3 fold are highlighted in bold red font. Fold changes with significance $p < 0.05$ are marked with asterisks (*) by Z-factor test and crosses (+) by T-test. Genes are arranged by decreasing maximal upregulation in any of the conditions.

	GraSR upregulated	Control	PMX30063			Daptomycin			LL16		
Gene	**Gene description**	**[µg/mL]**	**0.39**	**0.78**	**1.17**	**2.0**	**4.0**	**6.0**	**2.0**	**4.0**	**6.0**
vraG	ABC-type transport system permease component	1.26 *+	1.60 *+	2.34 *+	**3.18 *+**	1.82 *+	1.48 *+	1.40 *+	**5.48 *+**	**8.36 *+**	**7.68 *+**
TarM	hypothetical protein	1.30 *+	**3.29 ***	1.70 *+	1.68 *+	2.46 *	**3.39 ***	1.97 *	**3.28 ***	**4.58 ***	**6.79 ***
fmtC	oxacillin resistance-related FmtC protein	1.32 *+	1.36 *+	2.24 *+	2.73 *+	1.19 *	1.36 *+	1.36 *	**3.80 ***	**5.00 *+**	**5.84 *+**
dltC	D-alanyl carrier protein	1.25 *+	1.82 *+	2.06 *+	2.25 *+	1.50 *+	1.81 *	1.30 *+	**3.92 *+**	**4.95 *+**	**3.33 *+**
dltA	D-alanine-D-alanyl carrier protein ligase	1.17 *+	1.49 *	1.96 *+	2.11 *+	1.76 *+	1.77 *+	1.63 *+	**3.82 *+**	**4.37 *+**	**4.79 *+**
dltB	D-alanine lipoteichoic acid and wall teichoic acid esterification protein	1.20 *+	1.26 *	2.49 *+	2.61 *+	1.51 *+	2.13 *	1.33 *+	**4.32 *+**	**4.47 *+**	**4.35 *+**
vraF	ABC transporter ATP-binding protein VraF	1.27 *	1.21 *	2.23 *+	1.80 *+	1.54 *	1.59 *	1.30 *	2.81 *	**4.14 *+**	**3.61 *+**
dltD	D-alanine-activating DltD protein	1.33 *+	1.60 *	1.75 *+	2.05 *+	2.20 *+	1.80 *	1.61 *	**3.52 *+**	**3.64 *+**	**3.50 *+**
rplE	50S ribosomal protein L5	1.32 *	1.20 *	2.36 *	2.89 *	**3.50 ***	2.60 *	2.45 *	2.67 *+	2.58 *+	2.05 *+
dltX	hypothetical protein	1.39 *	1.06 *	1.73 *	1.74 *+	1.66 *	2.04 *	1.38 *	3.00 *	2.89 *+	**3.48 *+**
sdrH	SdrH protein	1.13 *+	1.71 *	1.80 *	1.85 *	1.19 *+	1.45 *	1.29 *+	1.40 *+	**3.08 ***	1.82 *+
NWMN_0632	hypothetical protein	1.43 *	2.07 *	2.83 *	2.35 *+	2.86 *	2.24 *	1.23 *	1.57 *+	2.10 *+	1.90 *+
	GraSR identified										
NWMN_1604	universal stress protein family protein	1.40 *+	1.28 *+	**3.88 ***	**11.39 ***	**3.59 ***	**5.20 ***	**5.79 *+**	2.41 *+	2.61 *+	**3.84 *+**
NWMN_0027	hypothetical protein	1.32	1.61	**3.43 ***	**5.67 ***	1.52	2.57 *	**4.04 *+**	2.73 *+	2.97 *	2.59 *
NWMN_1443	similar to ComG operon competence protein	2.09 +	1.7 +	0.64 *+	0.92 +	0.51 *+	1.52 +	2.19 +	0.95 +	**5.17 ***	0.55 *+
NWMN_1678	oxidoreductase	1.42 *	1.15	2.34 *+	**3.84 *+**	1.28 *	1.76 *	1.65 *	1.35 *+	1.56 *	2.87 *
NWMN_2408	hypothetical protein	1.64	1.58	1.77 *	**3.01 ***	1.41	1.78 *	1.95 *	**3.51 ***	**3.40 ***	2.76 *
NWMN_1989	hypothetical protein	1.51 *+	1.31 *+	2.70 *	2.68 *+	2.57 *+	**3.48 ***	**3.17 *+**	2.96 *+	2.92 *+	1.9 *+
spsB	signal peptidase IB	1.54 *	1.83 *	1.94 *+	**3.21 *+**	1.46 *+	2.01 *+	2.95 *	1.76 *	1.88 *+	2.18 *+

NWMN_0904	hypothetical protein	1.33	2.17 *	1.93 *	2.85 *	2.52 *†	1.83 *	1.35	1.62 *	2.82 *	1.84 *
rimP	hypothetical protein	1.23 *†	1.42 *	2.34 *†	2.28 *†	2.52 *†	2.28 *	2.60 *	2.78 *†	2.59 *†	2.05 *†
uvrB	excinuclease ABC subunit B	1.16 *†	1.42 *	1.81 *†	2.11 *†	1.19 *†	1.62 *	1.40 *	1.74 *†	1.76 *†	1.44 *†
pnBA	para-nitrobenzyl esterase chain A	1.29 *	1.48 *	1.97 *	1.85 *	1.1	1.28 *	1.59 *	1.73 *†	2.08 *†	1.70 *†
	GraSR identified, NsaSR upregulated										
oppF	oligopeptide ABC transporter	1.66	2.25 *	**4.12 ***	**9.07 ***	**3.84 ***	**3.51 *†**	**5.95 ***	0.85	1.70	**3.39 ***
ald (ald1)	alanine dehydrogenase 1	1.69	2.80 *	2.39 *	2.83 *	0.84 †	0.97 †	1.06 †	1.85	2.24 *	1.75
	GraSR upregulated, WalKR regulon										
NWMN_2203	secretory antigen precursor SsaA	1.32 *	1.50 *	2.12 *	**3.72 ***	**3.14 ***	2.02 *	2.48 *	2.18 *†	**5.53 *†**	2.96 *†
NWMN_2199	secretory antigen precursor SsaA	1.52 *	1.46	1.19	2.39 *	2.32 *	1.67 *	1.70 *	1.39	1.73 *	1.23
qoxD	quinol oxidase polypeptide IV	1.32 *	1.39 *	1.93 *†	1.90 *	1.48 *	2.09 *	1.35 *	1.99 *†	2.25 *†	1.91 *
qoxA	quinol oxidase polypeptide II QoxA	1.27 *	1.30 *	1.70 *	1.31 *	1.21 *	1.38 *	1.24 *	1.97 *	1.85 *	1.37 *
qoxC	quinol oxidase polypeptide III	1.43 *	1.66 *	1.66 *	1.55 *	1.28 *	1.68 *	1.18	1.45 *†	1.81 *	1.44 *
qoxB	quinol oxidase polypeptide I	1.34 *	1.53 *	1.67 *	1.49 *	1.13 *	1.26 *	1.16 *	1.66 *†	1.52 *	1.53 *

Supp. Table 2: NsaSR regulated genes. The maximal upregulation at any time point for each given condition is reported. Genes with maximal regulation >3 fold are highlighted in bold red font. Fold changes with significance $p < 0.05$ are marked with asterisks (*) by Z-factor test and crosses (+) by T-test. Genes are arranged by decreasing maximal upregulation in any of the conditions.

	NsaSR upregulated	Control	Brilacidin			Daptomycin			LL16		
Gene	**Gene description**	**[µg/mL]**	**0.39**	**0.78**	**1.17**	**2.0**	**4.0**	**6.0**	**2.0**	**4.0**	**6.0**
lysC	aspartokinase II	1.30 *+	2.23 *+	7.84 *	30.62 *	1.82 *+	1.85 *+	2.68 *+	1.77 *+	9.53 *	37.37 *
vraE	ABC transporter permease	1.19 *+	3.09 *+	2.38 *+	3.64 *+	2.24 *+	1.19 *+	1.72 *+	7.89 +	24.9 *+	35.34 +
thrC	threonine synthase	1.29 *+	2.16 *+	4.34 *+	24.18 *	6.13 *+	12.15 *+	13.66 *+	2.06 *+	3.67 *+	14.22 *+
metL	homoserine dehydrogenase	1.18 *+	1.40 *+	7.02 *+	24.17 *	7.35 *+	15.51 *+	16.64 *+	2.07 *+	3.91 *+	16.46 *+
asd	aspartate-semialdehyde dehydrogenase	1.31 *+	1.89 *+	4.05 *+	23.41 *	3.03 *+	4.96 *+	4.72 *+	2.10 *+	4.10 *+	16.12 *+
vraD	ABC transporter ATP-binding protein	1.20 *+	1.16 *+	1.53 *+	1.59 *+	1.31 *+	1.19 *+	1.94 *+	4.24 *+	11.75 *	22.27 *+
NWMN_2581	cobalt transport family protein	1.46 *+	2.99 *+	8.04 *	15.30 *	3.48 *	5.22 *+	5.21 *+	2.11 *+	3.29 *	3.69 *+
oppD	oligopeptide transport ATP-binding protein	1.59 *	1.54 *	3.79 *	14.14 *	3.65 *+	6.68 *	6.24 *+	1.45 *	3.72 *	3.40 *
gltB	glutamate synthase large subunit	1.09 *+	1.77 *+	3.65 *+	5.19 *+	4.39 *+	7.34 *+	8.32 *+	1.91 *+	4.02 *+	12.67 *+
thrA	aspartate kinase	1.47 *+	**3.99 ***	**5.20 ***	**10.59 *+**	**3.96 ***	2.96 *+	**6.90 ***	**4.62 ***	**4.62 *+**	**4.95 *+**
thrB	homoserine kinase	1.39 *+	1.60 *+	**5.51 ***	**10.09 *+**	**4.84 *+**	**6.15 *+**	**5.66 *+**	1.97 *+	**4.06 *+**	**7.12 *+**
NWMN_0721	sigma 54 modulation protein	1.41 *	1.25	**4.25 ***	**9.56 ***	2.09 *	**3.61 ***	**5.73 ***	2.10 *	1.80 *	1.64 *
NWMN_0071	acetoin reductase	1.37 *+	1.10 *+	**3.07 *+**	**9.37 *+**	**4.75 *+**	**5.77 *+**	**8.04 *+**	2.35 *+	1.45 *+	**5.33 *+**
NWMN_0215	hypothetical protein	1.2 *+	**5.44 ***	2.71 *+	**8.77 *+**	**3.70 ***	**4.2 *+**	1.54 *+	**3.57 ***	**4.95 ***	**3.88 *+**
oppC	oligopeptide ABC transporter	1.58	1.32	2.71 *+	**8.05 ***	2.84 *	**3.13 *+**	2.99 *+	1.02	1.64	**3.43 ***
NWMN_2444	hypothetical protein	1.38 *+	1.07 *+	**7.73 ***	**4.25 ***	1.78 *+	**4.41 ***	2.18 *	1.60 *+	2.38 *	1.86 *
NWMN_0373	nitroreductase family protein	1.21 *+	1.25 *	**3.36 ***	**7.68 ***	1.67 *+	2.77 *+	2.77 *+	2.38 *	2.60 *+	2.27 *+
NWMN_0535	similar to haloacid dehalogenase-like hydrolase	1.98 *	**7.43 ***	**3.31 ***	**6.56 ***	**3.91 ***	**4.16 ***	2.09 *+	2.81 *+	**5.39 ***	**6.41 ***
NWMN_2109	truncated MHC class II analog protein	1.62 *+	1.21 *	1.30 *+	**3.02 *+**	**3.91 *+**	**4.66 *+**	**7.34 *+**	1.51 *+	2.62 *	2.66 *
ilvD	dihydroxy-acid dehydratase	1.56 *	**4.45 ***	**3.00 ***	**6.91 ***	2.15 *	2.25 *+	**4.95 *+**	1.75 *+	1.37 *+	2.68 *+
NWMN_2224	alpha-glucoside-specific IIBC component	1.45 *+	1.39 *+	**3.44 ***	**6.66 *+**	1.11 *+	1.61 *	1.39 *+	2.02 *+	**3.71 *+**	2.77 *+

NWMN_2044	thiol-disulphide oxidoreductase	1.22 *†	1.20 *†	**3.83 *†**	**4.08 *†**	**3.25 *†**	2.63 *†	**6.56 *†**	**4.11 ***	**3.09 *†**	1.65 *†
gntP	gluconate permease	1.70	1.61	**5.38 ***	**6.55 ***	1.31	1.86	2.19 *	2.60 *	2.28 *	**3.06 ***
NWMN_2473	hypothetical protein	1.32 *	**3.96 ***	2.67 *	**6.38 ***	2.69 *	2.49 *†	**3.09 *†**	1.67 *	1.77 *†	2.24 *
NWMN_2453	hypothetical protein	1.24 *†	1.38 *†	1.56 *	**6.11 ***	1.97 *	2.81 *	1.94 *	2.95 *	1.94 *	**3.43 ***
malA	alpha-D-1-4-glucosidase	1.66	1.81	**4.56 ***	**6.02 ***	1.84	1.70	1.64	2.96 *	2.92 *	2.67 *
NWMN_2043	similar to non-heme iron-containing ferritin	1.47 *†	2.43 *†	1.84 *†	**4.16 *†**	**3.38 *†**	**3.51 *†**	**5.91 *†**	2.32 *†	1.69 *†	1.98 *†
leuB	3-isopropylmalate dehydrogenase	1.76 *†	1.69 *†	**3.36 *†**	**5.64 *†**	2.02 *†	2.59 *†	**3.92 *†**	2.84 *†	**3.03 *†**	**3.49 *†**
NWMN_0078	hypothetical protein	1.42 *†	**3.19 *†**	**3.70 *†**	**3.37 *†**	2.63 *†	**3.77 *†**	**3.32 *†**	**5.45 *†**	**4.25 *†**	**5.20 *†**
ispD	similar to 4-diphosphocytidyl-2C-methyl-D- erythritol synthase	1.40	1.19	1.97 *	**5.40 ***	2.18 *	2.58 *†	2.72 *†	1.73 *	1.91 *	1.92 *
thiM	hydroxyethylthiazole kinase	1.35	1.80 *	**3.39 ***	**5.26 ***	**3.24 ***	1.21	1.44	1.99 *	**3.97 ***	2.99 *
fadD	acyl-CoA dehydrogenase FadD homolog	1.50 *	1.95 *	2.13 *	**5.22 ***	1.64 *	**3.10 ***	**3.86 ***	1.63 *	2.97 *	2.02 *
NWMN_0896	hypothetical protein	1.40 *†	1.57 *†	1.98 *†	**5.16 ***	1.77 *†	**3.19 *†**	**5.15 *†**	**3.21 ***	**3.91 *†**	**3.61 *†**
NWMN_0335	similar to ribosomal protein-serine acetyltransferase	1.32	**3.41 ***	1.12	**3.19 *†**	**3.15 ***	**3.78 ***	**5.16 ***	2.69 *	2.06 *	2.19 *
NWMN_0897	lipoate-protein ligase A	1.19 *†	1.20 *†	2.26 *	**5.09 ***	1.53 *	2.54 *	2.27 *†	1.88 *†	1.53 *†	2.09 *
oppB	hypothetical protein	1.71 *	**4.53 ***	2.87 *†	2.78 *†	2.78 *†	2.68 *	1.56 *†	**3.92 ***	**5.07 ***	2.44 *†
mobB	molybdopterin-guanine dinucleotide biosynthesis protein B	1.50 *†	1.36 *	2.71 *	**5.06 ***	2.03 *†	**3.04 ***	2.67 *†	**3.38 *†**	2.71 *†	2.41 *†
hipO	hippurate hydrolase	1.35 *	1.27 *	1.40 *	**4.95 ***	1.48 *	2.05 *	2.77 *	1.19 *	1.17 *	2.61 *†
NWMN_2579	hypothetical protein	1.56 *	1.50 *†	2.37 *†	**4.77 *†**	1.34 *	1.68 *†	2.62 *	1.91 *†	2.36 *†	2.31 *†
metH	5-methyltetrahydrofolate-homocysteine methyltransferase	1.22	1.22	**4.11 ***	**4.76 ***	0.91	1.71 *	1.17	2.12 *	1.52 *	**4.58 ***
NWMN_2459	D-isomer specific 2-hydroxyacid dehydrogenase family protein	1.44	1.28	2.27 *	**4.69 ***	1.68 *	1.78 *	1.10	1.89 *	1.79 *	1.67 *
BraD	ABC transporter ATP-binding protein	1.33 *	2.20 *	2.10 *	1.88 *	1.54 *	1.27 *	1.06	2.77 *	**3.82 *†**	**4.66 *†**
NWMN_2470	hypothetical protein	1.32 *	1.07 *	1.65 *	**4.63 ***	1.74 *	1.55 *†	1.48 *†	1.15 *	2.17 *	2.61 *†
purL	phosphoribosylformylglycinamidine synthase II	1.31 *†	2.04 *	**4.49 *†**	**3.65 *†**	1.49 *†	**3.64 *†**	**4.49 *†**	**3.36 *†**	2.40 *†	2.07 *†
NWMN_2589	hypothetical protein	1.26 *†	1.39 *	1.94 *	**3.34 ***	1.57 *†	**3.74 *†**	**4.49 *†**	1.38 *†	2.18 *	1.53 *†
NWMN_1640	hypothetical protein	1.55 *	1.67 *	1.95 *†	**4.47 *†**	1.52 *†	2.45 *	2.48 *	**3.08 ***	2.42 *†	2.19 *†
opp1B	oligopeptide transporter putative membrane permease	1.48	2.25 *	2.30 *	**4.42 ***	**3.14 ***	**3.23 ***	1.34	**3.38 ***	**3.61 ***	1.16

NWMN_1998	transcriptional regulator TenA family protein	1.45 *	1.18	2.15 *	**3.10 ***	1.25 *	1.76 *	1.41 *	2.23 *	1.67 *	**4.32 ***
NWMN_0221	hypothetical protein	1.21	**4.30 ***	1.80 *	0.97	1.81 *	**4.29 ***	2.00 *	2.38 *	2.04 *	2.55 *
fdhD	formate dehydrogenase family accessory FdhD	1.21 *†	1.39 *	2.16 *†	**4.24 ***	2.63 *	1.93 *†	2.26 *†	2.99 *	1.47 *	2.39 *†
NWMN_2428	hypothetical protein	1.36 *	**4.23 ***	2.20 *	2.83 *	**3.63 ***	2.60 *	**3.76 *†**	1.63 *†	2.12 *	2.77 *†
mtlF	mannitol-specific IIBC component	1.94	**4.20 ***	2.63 *	2.20	2.73 *	2.42 *	**3.46 ***	2.57 *	2.84 *	2.01
narI	respiratory nitrate reductase gamma subunit	1.20	1.87	2.18	0.92	1.01	1.54	1.02	1.62	**4.20 ***	2.20
NWMN_1395	hypothetical protein	1.71 *	1.23 *	2.72 *	**3.52 *†**	2.58 *	1.99 *	1.66 *†	**4.04 ***	**3.66 *†**	**3.06 *†**
purF	glutamine phosphoribosylpyrophosphate amidotransferase	1.27 *†	1.94 *	**3.89 *†**	2.48 *†	2.60 *	2.97 *	**3.70 ***	2.50 *	2.03 *†	2.55 *†
thiD	phosphomethylpyrimidine kinase	1.45 *	0.89	1.89 *	**3.87 ***	1.62 *†	1.19 *	1.54 *	**3.23 *†**	1.71 *	2.11 *
NWMN_2608	hypothetical protein	1.24 *	**3.77 ***	1.47 *	1.73 *†	2.58 *	0.94	1.44 *	2.27 *	1.97 *	1.79 *†
srtB	NPQTN-specific sortase B	1.27 *†	2.55 *	1.69 *†	2.66 *	2.63 *	1.78 *†	2.07 *	**3.76 ***	**3.18 *†**	2.14 *†
ilvE	branched-chain-amino-acid aminotransferase	1.23 *†	1.56 *†	2.70 *	**3.75 *†**	1.33 *	2.16 *†	2.21 *†	1.42 *†	1.75 *†	**3.43 ***
BraE	ABC transpoerter Permease	1.50 *	1.15	1.89 *	**3.10 *†**	1.37 *	1.45 *	1.44 *	2.92 *	**3.72 ***	**3.03 *†**
NWMN_1941	similar to nitroreductase family protein	1.35 *	**3.46 ***	1.62 *	2.46 *	1.73 *	1.71 *	2.79 *	2.70 *	2.02 *	1.68 *
fmhA	methicillin resistance determinant fmhA protein	1.23 *†	2.31 *	**3.21 *†**	2.37 *	2.26 *†	2.80 *†	**3.43 ***	2.12 *†	2.18 *†	2.40 *†
NWMN_2491	hypothetical protein	1.28 *†	1.37 *	2.09 *	**3.38 *†**	**3.23 ***	1.78 *†	2.30 *†	1.51 *	**3.09 *†**	1.81 *†
NWMN_2472	hypothetical protein	1.32	1.75 *	1.36	1.93 *	2.44 *	1.78 *	**3.37 ***	1.49 *	2.17 *	1.18
NWMN_0894	nucleotidase family protein	1.18 *†	1.44 *	1.49 *†	**3.35 *†**	1.97 *	2.14 *†	1.78 *†	2.05 *	1.90 *†	2.27 *†
NWMN_0175	flavohemoprotein	1.42	1.37	2.51 *	**3.25 ***	0.84 †	0.80 †	0.77 †	2.21 *	1.02 †	1.11
scdA	cell wall metabolism protein	1.55 *	1.63 *	1.51 *	**3.23 ***	1.68 *	1.26	1.77 *	2.21 *	1.70 *	2.36 *
NWMN_1773	N-acetylglucosamidase for bacteriophage phiNM1	1.1 *†	1.56 *†	**3.22 ***	2.57 *†	1.76 *	1.53 *	2.23 *†	1.24 *	2.21 *†	1.65 *†
NWMN_2425	hypothetical protein	1.68 *	2.66 *	2.22 *	2.07 *†	2.00 *	**3.09 ***	**3.14 ***	**3.03 ***	1.57 *	2.45 *
nirR	nitrite reductase transcriptional regulator NirR	1.73	1.24	2.11	1.39	1.03	2.78	0.93	**3.10**	1.26	1.54
tagB	teichoic acid biosynthesis protein B	1.40 *	2.20 *	**3.10 ***	2.75 *†	1.90 *†	2.02 *†	1.79 *†	1.28 *†	2.29 *	1.92 *
NWMN_2002	hypothetical protein	1.25 *	1.40 *	2.02 *	**3.10 ***	0.77 *†	1.87 *	1.20 *	1.63 *	1.86 *	1.24 *
arcC	carbamate kinase	1.32 *	1.47 *	2.42 *†	2.61 *†	1.93 *†	**3.04 ***	1.50 *	2.36 *†	1.83 *†	2.58 *†

NWMN_0177	similar to PTS transport system IIBC component	1.32	1.58 *	2.37 *	3.00 *†	1.65 *	1.70 *	1.94 *	1.54 *	1.59 *	1.72 *
aroC	chorismate synthase	1.15	1.74 *	2.24 *	2.99 *	2.22 *	2.07 *	1.38 *	2.71 *	1.75 *†	1.49 *†
ldh (ldh2)	L-lactate dehydrogenase 2	1.24	1.49	1.98 *	2.92 *	1.31	1.91 *	1.97 *	2.12 *	1.26	1.59
NWMN_1226	hypothetical protein	1.31 *	1.33 *	2.17 *	1.90 *	1.40 *	0.90 *†	1.01 †	1.32 *	1.06 †	2.92 *
NWMN_2379	hypothetical protein	1.29 *	2.74 *	2.90 *	1.34 *	2.18 *	1.60 *	1.35 *	1.83 *	2.25 *	2.02 *
ipdC	indole-3-pyruvate decarboxylase	1.72	2.25 *	2.89 *	2.59 *	1.28	1.02	1.43	1.57	1.71	1.30
opuCA	glycine betaine FL-proline transport ATP-binding subunit	1.27	1.31	1.65 *	2.88 *†	1.20	1.75 *	1.63 *	1.29	1.03	1.47 *
mutL	DNA mismatch repair protein MutL	1.17 *†	1.62 *	2.35 *†	2.87 *†	2.16 *†	2.02 *†	2.12 *†	2.20 *†	2.48 *†	2.07 *†
NWMN_1930	similar to tetracenomycin polyketide synthesis O-methyltransferase	1.49	2.55 *	1.70 *	1.48	1.48	2.26 *	0.90 †	2.86 *	1.76 *	2.63 *
NWMN_0222	hypothetical protein	1.30	1.49	1.30	2.85 *	1.50	2.57 *	1.05 †	1.92 *	2.80 *	1.34
sdrC	Ser-Asp rich fibrinogen bone sialoprotein-binding protein SdrC	1.26 *†	1.31 *†	1.50 *	1.82 *†	2.01 *†	2.60 *	2.85 *	1.87 *	2.54 *†	2.24 *†
NWMN_0269	hypothetical protein	1.43 *	2.84 *†	1.95 *†	2.18 *†	1.60 *	2.14 *	2.35 *	1.70 *†	2.31 *†	2.36 *
NWMN_2538	hypothetical protein	1.36 *	1.65 *	2.07 *	1.76 *	2.48 *	2.19 *	2.11 *	2.81 *	2.64 *	1.28 *
NWMN_0220	hypothetical protein	1.59 *	1.57 *	1.54 *	1.26 *	1.72 *	2.79 *	1.87 *	1.89 *	1.78 *	1.36 *
NWMN_2036	hypothetical protein	1.26 *†	1.51 *	1.86 *†	2.79 *†	1.92 *†	2.43 *†	2.20 *†	1.80 *	1.86 *†	2.45 *†
glcA	glucose-specific PTS transporter protein IIABC component	1.52	1.39	2.09	1.77	1.39	1.37	1.48	1.70	2.73 *	2.59 *
NWMN_2451	MmpL efflux pump	1.37 *	1.21 *	2.04 *	2.00 *	1.86 *†	1.82 *	1.32 *	2.73 *	2.32 *†	1.68 *†
treR	trehalose operon repressor	1.48 *	1.43 *	1.48 *	1.95 *	1.68 *	1.14	1.15	2.70 *	2.10 *	1.64 *
NWMN_0656	cobalamin synthesis protein	1.23 *†	2.28 *†	2.10 *	1.67 *†	1.66 *†	2.18 *	1.73 *	2.23 *	2.70 *	1.59 *†
NWMN_0186	zinc-containing alcohol dehydrogenase	1.42	1.67	2.68 *	2.35 *	1.01	1.55	1.18	1.24	1.19	1.97
entB	isochorismatase	1.37 *	1.59 *	2.60 *	2.40 *	0.90	0.93	1.98 *	2.59 *	2.61 *†	1.54 *†
isaB	immunodominant antigen B	1.39 *	1.84 *	2.00 *	2.33 *†	2.01 *	2.02 *	2.55 *	2.59 *	2.54 *†	2.44 *
NWMN_2196	hypothetical protein	1.46 *	1.69 *	1.16 *	2.59 *	1.13 *	1.29 *	1.23 *	1.33 *	1.76 *	1.49 *
NWMN_2254	similar to multidrug resistance protein A	1.61 *	1.47	1.38	2.57 *	2.48 *	1.28	0.89 †	1.81 *	1.40	1.66 *
NWMN_2303	formate nitrite transporter family protein	1.52 *	1.66 *	1.24 *	0.95	1.34 *	2.54 *	1.82 *	1.86 *	1.91 *	1.31 *
NWMN_2421	NADH-flavin oxidoreductase	1.28 *	1.17	1.39 *	1.85 *	1.74 *†	2.47 *	2.2 *†	1.89 *	1.85 *	1.73 *

dnaA	chromosomal replication initiator protein DnaA	1.26 *	1.48 *	1.76 *	2.46 *	1.18 *	1.84 *	1.37 *	1.82 *	1.84 *†	1.81 *
NWMN_2239	aldose 1-epimerase precursor	1.38 *	1.76 *	1.54 *	1.76 *†	1.68 *†	2.37 *	1.82 *	2.45 *†	2.10 *†	1.84 *†
NWMN_0912	similar to menaquinone-specific isochorismate	1.17 *†	1.76 *	2.35 *†	2.44 *	1.67 *	1.53 *	1.27 *	1.29 *†	1.80 *†	1.74 *
NWMN_2607	hypothetical protein	1.48	1.61 *	2.39 *	1.52	1.87 *	0.74 *†	0.92 *†	1.81 *	1.41 †	1.37 †
metB	cystathionine gamma-synthase	1.28 †	1.51 *	2.38 *	1.51 *	0.95 *†	1.03 †	1.33 †	0.97 *†	2.01 *	1.44 †
NWMN_2186	acyl-CoA dehydrogenase-related protein	1.33 *	1.09	1.92 *	1.60 *	1.35 *	2.38 *	2.22 *†	1.99 *†	1.51 *	1.57 *
NWMN_0944	similar to ABC transporter ATP-binding protein	1.30 *†	2.16 *†	2.37 *†	1.89 *†	1.54 *†	1.91 *†	1.82 *†	2.21 *†	2.01 *†	1.21 *
NWMN_0800	haloacid dehalogenase-like family protein	1.27 *	1.12	1.50 *	2.34 *	0.89 †	1.23	0.95	1.36 *	2.17 *	2.35 *
NWMN_1888	tail tape measure protein for bacteriophage phiNM3	1.23 *	1.39 *	2.00 *	1.32 *	1.36 *	1.53 *	1.92 *†	1.29 *	2.18 *	2.35 *
NWMN_2304	hypothetical protein	2.04	1.17 †	1.12 †	1.62	1.00 †	1.03 †	1.09 †	2.35	1.76	1.07 †
treC	C alpha-phosphotrehalase	1.58 *	1.93 *	1.83 *	1.97 *	1.59 *	1.38 *	1.16	2.21 *	2.33 *	2.02 *
NWMN_0561	hypothetical protein	1.25 *	1.32 *	2.30 *	1.61 *	1.00 †	1.51 *	1.54 *	1.41 *	2.26 *	1.45 *
NWMN_0249	nucleotidase lipoprotein family protein	1.37	1.88 *	0.79 *†	0.54 *†	1.01 †	1.23 †	1.24 †	2.30 *	1.25 †	0.90 †
NWMN_0777	hypothetical protein	1.33 *	1.70 *	1.76 *	1.65 *	1.47 *	1.97 *	1.90 *	2.30 *†	1.33 *†	1.56 *
moeA	molybdopterin biosynthesis protein MoeA	1.49 *	1.70 *	2.14 *	2.29 *	1.47 *†	1.61 *	1.74 *	1.43 *†	1.94 *†	1.91 *
NWMN_0115	hypothetical protein	1.42	1.70	1.66	1.85 *	1.92 *	1.05	1.00	1.74	2.28 *	1.34
narH	nitrate reductase beta chain	1.15	2.25	1.23	1.26	0.92	0.65	1.30	1.23	1.12	1.08
NWMN_0256	hypothetical protein	1.79	0.89	1.60	2.24	1.85	0.92	1.26	1.86	1.96	1.23
mvaS	3-hydroxy-3-methylglutaryl coenzyme A synthase	1.39 *	2.01 *	1.43 *†	2.24 *	1.73 *†	1.67 *†	1.53 *†	2.05 *†	1.97 *†	1.58 *†
NWMN_0943	similar to cobalt transport protein	1.32 *	1.51 *†	2.24 *†	1.95 *	1.19 *	1.59 *†	1.56 *†	1.42 *	1.91 *	1.34 *
NWMN_2386	similar to helicase	1.21 *	1.62 *	1.25 *	1.94 *	1.36 *	2.13 *	1.53 *	1.54 *†	2.21 *	1.76 *
NWMN_0223	hypothetical protein	1.31 *	1.35 *	1.81 *	1.75 *	1.21 *	2.12 *	2.21 *	1.74 *†	1.71 *†	1.40 *
NWMN_2447	methylated-DNA-protein-cysteine methyltransferase	1.23 *	1.39 *	1.71 *	2.20 *	1.17 *	1.21 *	1.33 *	1.38 *	1.59 *	1.64 *
NWMN_2240	hypothetical protein	1.29 *	1.60 *	1.74 *	1.42 *	1.81 *	1.56 *	1.48 *	2.20 *†	1.75 *†	1.25 *†
narG	nitrate reductase alpha subunit	1.27	2.04	1.28	1.29	1.61	1.30	2.18	1.44	1.47	1.05
NWMN_2392	hypothetical protein	1.37 *	1.31 *	1.87 *	1.60 *	1.46 *†	1.70 *	2.00 *	2.07 *	2.18 *†	1.94 *

NWMN_2241	hypothetical protein	1.16 *	1.36 *	1.81 *	2.02 *	1.52 *	2.08 *	1.92 *	1.84 *	2.17 *	1.68 *
NWMN_0114	cation efflux family protein	1.26	1.51 *	1.63 *	1.21	1.80 *	1.45 *	1.15	1.29	2.15 *	1.66 *
queC	7-cyano-7-carbaguanine synthase	1.32 *	1.72 *	1.79 *	1.51 *	1.70 *	2.12 *	1.38 *	1.52 *	2.05 *	1.31 *
NWMN_1990	hypothetical protein	1.21	2.12 *	1.56	1.51	1.35	1.10	1.29	1.35	1.67	1.15
sbcD	exonuclease SbcD	1.20 *	2.12 *	2.09 *†	1.77 *†	1.35 *†	1.40 *	1.17 *	1.56 *	1.67 *†	1.52 *
modC	molybdenum ABC transporter ATP-binding protein	1.39 *	1.49 *	1.19	1.47 *	1.27	1.77 *	2.09 *	1.44 *	1.76 *	1.59 *
NWMN_0119	hypothetical protein	1.24	1.42	2.09 *	0.90 †	0.99	1.37	1.38	1.83 *	1.69	1.69
modB	molybdenum ABC transporter permease protein	1.09 †	1.05 †	1.50 *	1.17 *	1.05 †	1.11 †	1.55 *	1.14 *	1.39 *	2.06 *
NWMN_2253	drug resistance transporter EmrB QacA subfamily protein	1.35 *	1.46 *	1.39 *	2.05 *	1.58 *	1.34 *	1.11	1.73 *	1.87 *	1.50 *
NWMN_2185	iron compound ABC transporter iron compound-binding protein	1.22	1.50	1.10	1.68	2.04	0.91 †	0.82 †	1.68	1.40	1.17
NWMN_1035	N-acetylglucosamidase for bacteriophage phiNM2	1.32 *	1.62 *	1.59 *	1.48 *	1.38 *	1.38 *	2.00 *	1.46 *	1.13	1.83 *
NWMN_0945	hypothetical protein	1.51 *	1.93 *†	1.44 *	1.99 *†	1.57 *	1.74 *†	1.53 *†	1.73 *†	1.86 *†	1.86 *†
NWMN_0151	similar to ABC transporter ATP-binding protein	1.66	1.13 †	1.45 †	1.26 †	0.81 †	1.00 †	0.71 †	1.45	1.96	1.87 †
NWMN_2489	hypothetical protein	1.24 *	1.50 *	1.51 *	1.71 *	1.28 *	1.13	1.15 *†	1.72 *	1.94 *	1.33 *
NWMN_1691	hypothetical protein	1.62	1.30	1.26 †	1.88	1.93	1.34	0.91 †	1.06 †	0.96 †	0.77 †
NWMN_1584	hypothetical protein	1.46 *	1.49 *	1.92 *	1.73 *	0.90 *†	1.19 *	1.22 *	1.69 *	1.49 *	1.12
moaB	molybdopterin precursor biosynthesis	1.30 *	1.11 *	1.91 *	1.58 *	1.35 *	1.20 *	1.27 *	1.47 *	1.57 *†	1.06 *
hsdR	type-I restriction-modification system restriction endonuclease subunit	1.24	1.57 *	1.12	1.49 *	1.37	1.50 *	1.55 *	1.52 *	1.39	1.89 *
NWMN_0387	hypothetical protein	1.46	1.01 †	1.13	1.23	1.86	1.13	1.38	1.04	0.93 †	1.01
NWMN_0419	hypothetical protein	1.46 *	1.42	1.05 †	1.41	1.54 *	1.78 *	1.83 *	0.79 *†	1.31 †	1.15 †
htrA	serine protease HtrA	1.19 *	1.29 *	1.46 *	1.54 *†	1.50 *	1.45 *	1.21 *	1.58 *†	1.67 *†	1.83 *
NWMN_0413	hypothetical protein	1.16 *	1.58 *	1.6 *	1.80 *	1.34 *	1.79 *	1.63 *†	1.30 *†	1.58 *†	1.43 *†
azoR	acyl carrier protein phosphodiesterase	1.20 †	1.03 †	1.46 †	0.81 *†	1.42	1.16 †	1.38 †	1.80 *	0.95 *†	1.35 †
thiI	thiamine biosynthesis protein ThiI	1.14	1.32	1.00 †	1.44	1.47	1.42	1.30 †	1.51	1.75 *	1.11
NWMN_0375	hypothetical protein	1.11	1.52 *	1.46 *	1.27	1.06	1.37 *	1.35 *	1.16	1.72 *	1.30 *
NWMN_0615	hypothetical protein	1.26	1.49 *	1.69 *	1.56 *	1.29	0.89 †	0.97 †	1.25	1.41 *	1.46 *

narJ	respiratory nitrate reductase delta subunit	1.66	1.10	1.17	0.47 †	0.65 †	0.57 †	0.69 †	1.09	1.05	0.89
fda	fructose-bisphosphate aldolase class-I	1.29 *	1.12 *	1.42 *	1.40 *	1.03	1.47 *	1.59 *	1.65 *	1.58 *	1.24 *
NWMN_0705	ferrichrome ABC transporter lipoprotein	1.43	1.35	1.25	1.27	1.51	0.69 †	0.99 †	1.50	1.63 *	1.53
NWMN_0172	hypothetical protein	1.26 *	1.58 *	1.60 *	1.25 *	1.06	1.23	1.27 *	1.48 *	1.11 †	0.99 †
pdxS	pyridoxine biosynthesis protein	1.31	1.20	1.14 †	1.02 †	1.16 †	1.54 †	1.45 †	1.17 †	1.20 †	0.99 †
spa	immunoglobulin G binding protein A precursor	1.44	0.79 †	0.64 †	0.57 †	1.19 †	1.25 †	1.5 †	1.14 †	0.83 †	0.70 †
ackA	acetate kinase	1.23	1.37 *	1.28 *	1.04 †	1.41 *	1.48 *	1.17 †	1.34 *	1.30 *	1.16
pdxT	similar to SNO glutamine amidotransferase	1.30	1.25	1.35 †	0.83 *†	1.17 †	1.34 †	1.20 †	1.25 †	1.03 †	1.10 †
	NsaSR upregulated, VraSR regulated										
NWMN_2223	hypothetical protein	1.16 *†	1.53 *†	7.20 *†	13.41 *†	2.51 *†	2.39 *†	3.14 *†	3.22 *†	4.52 *†	4.51 *†
NWMN_1333	phosphotransferase system glucose-specific IIA component	1.19 *†	1.56 *†	5.64 *†	10.84 *†	1.82 *†	3.58 *†	3.42 *†	1.55 *†	2.44 *†	3.66 *†
	NsaSR upregulated, WalKR regulated										
clpB	ATP-dependent Clp protease ATP-binding subunit	1.44 *†	1.59 *†	**8.96 ***	**36.5 ***	**8.82 *†**	**24.43 *†**	**32.7 *†**	1.75 *†	2.33 *†	1.87 *†
ilvA (ilvA1)	threonine dehydratase	1.26 *†	1.69 *†	**5.24 ***	**8.49 ***	**3.47 *†**	**3.15 *†**	**3.91 *†**	1.39 *†	**3.75 ***	**5.75 *†**
NWMN_2590	transcriptional regulator PadR-like family protein	1.28 *†	1.19 *†	1.87 *†	**3.50 *†**	1.99 *†	**4.2 *†**	**5.34 *†**	1.54 *†	1.88 *†	1.71 *†
pyrAB	carbamoyl-phosphate synthase pyrimidine-specific large chain	1.77	1.90	0.97	0.73 †	2.01 *	**4.64 ***	**4.26 ***	2.29 *	1.55	1.65
glpQ	glycerophosphoryl diester phosphodiesterase	1.43 *	1.61 *	1.75 *	1.60 *	1.36 *	1.00 †	1.65 *	1.62 *	2.47 *	1.63 *
NWMN_1689	hypothetical protein	1.33	1.18 †	1.82 *	2.45 *	1.54	1.38	1.46	1.83 *	2.05 *	1.34
NWMN_1688	hypothetical protein	1.70 *	1.06 †	1.85 *	2.12 *	1.04	1.44 †	1.56 *	1.56 *	1.52	1.07 †
NWMN_1070	similar to fibrinogen-binding protein	1.28 *	1.46 *	1.30 *	1.62 *	1.31 *	1.65 *	1.84 *	0.88 †	1.60 *	1.34 *
	NsaSR downregulated										
NWMN_1916	hypothetical protein	1.26 *†	2.01 *	**3.65 *†**	2.29 *	**3.34 *†**	**3.76 ***	**3.89 *†**	**9.21 ***	2.36 *†	**3.03 *†**

NWMN_0089	similar to DNA-binding protein	1.03 *†	1.10 *†	**6.76 ***	**3.1 ***	**3.55 ***	1.04 *†	1.07 *†	1.09 *†	1.05 *†	1.07 *†
capE	capsular polysaccharide biosynthesis protein CapE	1.34 *†	1.67 *†	**3.85 ***	**3.55 *†**	1.38 *†	1.80 *	2.26 *†	1.59 *†	**6.62 *†**	**6.69 ***
capI	capsular polysaccharide biosynthesis protein CapI	1.21 *†	2.42 *	**6.08 ***	**3.63 ***	**3.62 ***	1.74 *	1.87 *	2.02 *†	**3.12 *†**	2.78 *†
capG	UDP-N-acetylglucosamine 2-epimerase	1.26 *	1.57 *	2.96 *	2.96 *†	1.92 *†	1.00 *	1.97 *†	1.34 *	**5.42 *†**	**4.39 ***
NWMN_1828	hypothetical protein	1.72 *	0.98 †	2.17 *	0.86 †	2.67 *	**3.75 ***	1.56 *	**5.22 ***	2.47 *	1.57 *
sspB	staphopain thiol proteinase	1.37 *	2.34 *	**4.13 ***	1.34	**4.86 ***	1.84 *	1.69 *	**3.92 ***	2.51 *	1.54 *
capL	capsular polysaccharide biosynthesis protein glycosyltransferase CapL	1.58 *	**4.85 ***	**3.09 *†**	**3.07 ***	1.75 *†	**3.06 ***	2.89 *	2.47 *	**3.56 *†**	**3.39 *†**
capD	dTDP-4-dehydrorhamnose reductase	1.26 *†	1.69 *†	1.69 *†	1.85 *†	1.58 *†	2.02 *†	1.53 *†	2.02 *†	**3.35 *†**	**4.05 *†**
adhE	iron-containing alcohol dehydrogenase	1.39	1.99 *	2.43 *	2.48 *	1.39	1.50	1.76 *	**3.95 ***	**3.97 ***	**3.28 ***
capH	capsular polysaccharide synthesis enzyme O-acetyl transferase CapH	1.29 *†	**3.68 ***	1.83 *	1.77 *†	1.17 *	**3.45 ***	1.43 *	1.55 *	**3.51 ***	2.85 *†
mnhC	Na-H antiporter component	1.44 *	1.52 *	**3.64 ***	2.28 *	1.86 *	2.12 *	2.02 *†	1.83 *†	2.42 *†	2.19 *†
sepA	Antiseptic resistance protein SepA	1.23 *†	1.43 *	2.55 *†	2.79 *†	1.86 *†	1.71 *†	2.01 *†	2.44 *	2.56 *†	2.19 *†
NWMN_2407	hypothetical protein	1.17 *	1.51 *	2.06 *	1.73 *†	0.98 *	1.34 *	1.11 *	1.34 *	2.76 *†	1.85 *†
NWMN_0037	similar to LysR family regulatory protein	1.26	0.94 †	2.52 *	2.41 *	2.03 *	2.42 *	1.42	2.13 *	1.41	2.60 *
NWMN_2468	acetyltransferase GNAT family protein	1.19	1.05	1.74 *	1.42	1.25	1.07 †	0.91 †	1.46	2.49 *	1.71 *
sspA	V8 protease glutamyl endopeptidase precursor	1.14	1.90 *	1.81 *	1.40 *	1.52 *	1.25	0.96 †	2.47 *	1.53 *	1.60 *
hysA	hyaluronate lyase precursor	1.47 *	1.82 *	1.77 *	2.31 *	1.30 *	1.66 *	1.87 *	1.91 *†	2.00 *†	2.47 *†
NWMN_1397	hypothetical protein	1.71 *	1.11	2.46 *	2.20 *	1.31 *	1.42 *	1.35 *	2.13 *	2.05 *†	1.70 *
capO	UDP-N-acetyl-D-mannosaminuronic acid dehydrogenase	1.38 *	0.77 *†	1.56 *	1.67 *	1.43 *	0.89 †	1.30	1.37 *	1.86 *	1.29
NWMN_0704	ABC transporter ATP-binding protein	1.74	1.60	0.91 †	1.58	1.30†	0.85 †	1.08 †	1.20 †	1.84 *	1.32
NWMN_0313	phage amidase for bacteriophage phiNM4	1.34 *	1.37 *	1.36 *	1.57 *	1.36 *	1.31 *†	1.28 *	1.27 *	1.31 *	1.44 *
NWMN_1769	amidase for bacteriophage phiNM1	1.25	1.30	1.37	1.07 †	1.12 †	1.03 †	1.23 †	1.26	1.38	1.27
	NsaSR downregulated, WalKR regulated										
splC	serine protease SplC	1.48 *	2.57 *	**12.13 ***	**3.01 *†**	2.05 *†	2.44 *	2.71 *†	**4.23 *†**	2.36 *†	2.42 *
splE	serine protease SplE	1.06 *†	**6.93 ***	**4.07 ***	**4.91 ***	**11.23 ***	2.29 *†	1.15 *†	**4.29 ***	1.64 *†	2.30 *†

splD	serine protease SplD	1.18 *†	4.98 *	2.63 *	2.81 *	1.68 *†	6.09 *	4.32 *	4.04 *	7.37 *	3.24 *
fnbA	fibronectin binding protein A precursor	1.40	0.78	2.01 *	2.33 *	4.76 *	2.00 *	2.04 *†	1.44	2.08 *†	1.68 *
splA	serine protease SplA	1.89 *	1.44	1.25 †	1.76 *	1.22	0.95 †	1.86 *	2.01 *	1.42	1.37 †
hlb	truncated beta-hemolysin	1.22	1.29	1.58 *	1.18	1.37 *	1.56 *	1.70 *	1.28	1.53 *	1.13
	NsaSR upregulated	**Control**	**PMX30063**			**Daptomycin**			**LL16**		
Gene	**Gene description**	**[µg/mL]**	**0.39**	**0.78**	**1.17**	**2.0**	**4.0**	**6.0**	**2.0**	**4.0**	**6.0**
lysC	aspartokinase II	1.3 *†	2.23 *†	7.84 *	30.62 *	1.82 *†	1.85 *†	2.68 *†	1.77 *†	9.53 *	37.37 *
vraE	ABC transporter permease	1.19 *†	3.09 *†	2.38 *†	3.64 *†	2.24 *†	1.19 *†	1.72 *†	7.89 †	24.9 *†	35.34 †
thrC	threonine synthase	1.29 *†	2.16 *†	4.34 *†	24.18 *	6.13 *†	12.15 *†	13.66 *†	2.06 *†	3.67 *†	14.22 *†
metL	homoserine dehydrogenase	1.18 *†	1.40 *†	7.02 *†	24.17 *	7.35 *†	15.51 *†	16.64 *†	2.07 *†	3.91 *†	16.46 *†
asd	aspartate-semialdehyde dehydrogenase	1.31 *†	1.89 *†	4.05 *†	23.41 *	3.03 *†	4.96 *†	4.72 *†	2.10 *†	4.10 *†	16.12 *†
vraD	ABC transporter ATP binding protein	1.20 *†	1.16 *†	1.53 *†	1.59 *†	1.31 *†	1.19 *†	1.94 *†	4.24 *†	11.75 *	22.27 *†
NWMN_2581	cobalt transport family protein	1.46 *†	2.99 *†	8.04 *	15.30 *	3.48 *	5.22 *†	5.21 *†	2.11 *†	3.29 *	3.69 *†
oppD	oligopeptide transport ATP-binding protein	1.59 *	1.54 *	3.79 *	14.14 *	3.65 *†	6.68 *	6.24 *†	1.45 *	3.72 *	3.40 *
gltB	glutamate synthase large subunit	1.09 *†	1.77 *†	3.65 *†	5.19 *†	4.39 *†	7.34 *†	8.32 *†	1.91 *†	4.02 *†	12.67 *†
thrA	aspartate kinase	1.47 *†	3.99 *	5.20 *	10.59 *†	3.96 *	2.96 *†	6.90 *	4.62 *	4.62 *†	4.95 *†
thrB	homoserine kinase	1.39 *†	1.60 *†	5.51 *	10.09 *†	4.84 *†	6.15 *†	5.66 *†	1.97 *†	4.06 *†	7.12 *†
NWMN_0721	sigma 54 modulation protein	1.41 *	1.25	4.25 *	9.56 *	2.09 *	3.61 *	5.73 *	2.10 *	1.80 *	1.64 *
NWMN_0071	acetoin reductase	1.37 *†	1.10 *†	3.07 *†	9.37 *†	4.75 *†	5.77 *†	8.04 *†	2.35 *†	1.45 *†	5.33 *†
NWMN_0215	hypothetical protein	1.2 *†	5.44 *	2.71 *†	8.77 *†	3.70 *	4.2 *†	1.54 *†	3.57 *	4.95 *	3.88 *†
oppC	oligopeptide ABC transporter	1.58	1.32	2.71 *†	8.05 *	2.84 *	3.13 *†	2.99 *†	1.02	1.64	3.43 *
NWMN_2444	hypothetical protein	1.38 *†	1.07 *†	7.73 *	4.25 *	1.78 *†	4.41 *	2.18 *	1.60 *†	2.38 *	1.86 *
NWMN_0373	nitroreductase family protein	1.21 *†	1.25 *	3.36 *	7.68 *	1.67 *†	2.77 *†	2.77 *†	2.38 *	2.60 *†	2.27 *†
NWMN_0535	similar to haloacid dehalogenase-like hydrolase	1.98 *	7.43 *	3.31 *	6.56 *	3.91 *	4.16 *	2.09 *†	2.81 *†	5.39 *	6.41 *
NWMN_2109	truncated MHC class II analog protein	1.62 *†	1.21 *	1.30 *†	3.02 *†	3.91 *†	4.66 *†	7.34 *†	1.51 *†	2.62 *	2.66 *
ilvD	dihydroxy-acid dehydratase	1.56 *	4.45 *	3.00 *	6.91 *	2.15 *	2.25 *†	4.95 *†	1.75 *†	1.37 *†	2.68 *†

NWMN_2224	alpha-glucoside-specific IIBC component	1.45 *†	1.39 *†	**3.44 ***	**6.66 *†**	1.11 *†	1.61 *	1.39 *†	2.02 *†	**3.71 *†**	2.77 *†
NWMN_2044	thiol-disulphide oxidoreductase	1.22 *†	1.20 *†	**3.83 *†**	**4.08 *†**	**3.25 *†**	2.63 *†	**6.56 *†**	**4.11 ***	**3.09 *†**	1.65 *†
gntP	gluconate permease	1.7	1.61	**5.38 ***	**6.55 ***	1.31	1.86	2.19 *	2.60 *	2.28 *	**3.06 ***
NWMN_2473	hypothetical protein	1.32 *	**3.96 ***	2.67 *	**6.38 ***	2.69 *	2.49 *†	**3.09 *†**	1.67 *	1.77 *†	2.24 *
NWMN_2453	hypothetical protein	1.24 *†	1.38 *†	1.56 *	**6.11 ***	1.97 *	2.81 *	1.94 *	2.95 *	1.94 *	**3.43 ***
malA	alpha-D-1-4-glucosidase	1.66	1.81	**4.56 ***	**6.02 ***	1.84	1.70	1.64	2.96 *	2.92 *	2.67 *
NWMN_2043	similar to non-heme iron-containing ferritin	1.47 *†	2.43 *†	1.84 *†	**4.16 *†**	**3.38 *†**	**3.51 *†**	**5.91 *†**	2.32 *†	1.69 *†	1.98 *†
leuB	3-isopropylmalate dehydrogenase	1.76 *†	1.69 *†	**3.36 *†**	**5.64 *†**	2.02 *†	2.59 *†	**3.92 *†**	2.84 *†	**3.03 *†**	**3.49 *†**
NWMN_0078	hypothetical protein	1.42 *†	**3.19 *†**	**3.70 *†**	**3.37 *†**	2.63 *†	**3.77 *†**	**3.32 *†**	**5.45 *†**	**4.25 *†**	**5.2 *†**
ispD	similar to 4-diphosphocytidyl-2C-methyl-D- erythritol synthase	1.4	1.19	1.97 *	**5.40 ***	2.18 *	2.58 *†	2.72 *†	1.73 *	1.91 *	1.92 *
thiM	hydroxyethylthiazole kinase	1.35	1.80 *	**3.39 ***	**5.26 ***	**3.24 ***	1.21	1.44	1.99 *	**3.97 ***	2.99 *
fadD	acyl-CoA dehydrogenase FadD homolog	1.5 *	1.95 *	2.13 *	**5.22 ***	1.64 *	**3.10 ***	**3.86 ***	1.63 *	2.97 *	2.02 *
NWMN_0896	hypothetical protein	1.4 *†	1.57 *†	1.98 *†	**5.16 ***	1.77 *†	**3.19 *†**	**5.15 *†**	**3.21 ***	**3.91 *†**	**3.61 *†**
NWMN_0335	similar to ribosomal protein-serine acetyltransferase	1.32	**3.41 ***	1.12	**3.19 *†**	**3.15 ***	**3.78 ***	**5.16 ***	2.69 *	2.06 *	2.19 *
NWMN_0897	lipoate-protein ligase A	1.19 *†	1.20 *†	2.26 *	**5.09 ***	1.53 *	2.54 *	2.27 *†	1.88 *†	1.53 *†	2.09 *
oppB	hypothetical protein	1.71 *	**4.53 ***	2.87 *†	2.78 *†	2.78 *†	2.68 *	1.56 *†	**3.92 ***	**5.07 ***	2.44 *†
mobB	molybdopterin-guanine dinucleotide biosynthesis protein B	1.5 *†	1.36 *	2.71 *	**5.06 ***	2.03 *†	**3.04 ***	2.67 *†	**3.38 *†**	2.71 *†	2.41 *†
hipO	hippurate hydrolase	1.35 *	1.27 *	1.40 *	**4.95 ***	1.48 *	2.05 *	2.77 *	1.19 *	1.17 *	2.61 *†
NWMN_2579	hypothetical protein	1.56 *	1.50 *†	2.37 *†	**4.77 *†**	1.34 *	1.68 *†	2.62 *	1.91 *†	2.36 *†	2.31 *†
metH	5-methyltetrahydrofolate-homocysteine methyltransferase	1.22	1.22	**4.11 ***	**4.76 ***	0.91	1.71 *	1.17	2.12 *	1.52 *	**4.58 ***
NWMN_2459	D-isomer specific 2-hydroxyacid dehydrogenase family protein	1.44	1.28	2.27 *	**4.69 ***	1.68 *	1.78 *	1.10	1.89 *	1.79 *	1.67 *
NWMN_2470	hypothetical protein	1.32 *	1.07 *	1.65 *	**4.63 ***	1.74 *	1.55 *†	1.48 *†	1.15 *	2.17 *	2.61 *†
purL	phosphoribosylformylglycinamidine synthase II	1.31 *†	2.04 *	**4.49 *†**	**3.65 *†**	1.49 *†	**3.64 *†**	**4.49 *†**	**3.36 *†**	2.4 *†	2.07 *†
NWMN_2589	hypothetical protein	1.26 *†	1.39 *	1.94 *	**3.34 ***	1.57 *†	**3.74 *†**	**4.49 *†**	1.38 *†	2.18 *	1.53 *†
NWMN_1640	hypothetical protein	1.55 *	1.67 *	1.95 *†	**4.47 *†**	1.52 *†	2.45 *	2.48 *	**3.08 ***	2.42 *†	2.19 *†
opp1B	oligopeptide transporter putative membrane permease	1.48	2.25 *	2.30 *	**4.42 ***	**3.14 ***	**3.23 ***	1.34	**3.38 ***	**3.61 ***	1.16

NWMN_1998	transcriptional regulator TenA family protein	1.45 *	1.18	2.15 *	**3.10 ***	1.25 *	1.76 *	1.41 *	2.23 *	1.67 *	**4.32 ***
NWMN_0221	hypothetical protein	1.21	**4.3 ***	1.80 *	0.97	1.81 *	**4.29 ***	2.00 *	2.38 *	2.04 *	2.55 *
fdhD	formate dehydrogenase family accessory FdhD	1.21 *†	1.39 *	2.16 *†	**4.24 ***	2.63 *	1.93 *†	2.26 *†	2.99 *	1.47 *	2.39 *†
NWMN_2428	hypothetical protein	1.36 *	**4.23 ***	2.20 *	2.83 *	**3.63 ***	2.60 *	**3.76 *†**	1.63 *†	2.12 *	2.77 *†
mtlF	mannitol-specific IIBC component	1.94	**4.20 ***	2.63 *	2.20	2.73 *	2.42 *	**3.46 ***	2.57 *	2.84 *	2.01
narI	respiratory nitrate reductase gamma subunit	1.2	1.87	2.18	0.92	1.01	1.54	1.02	1.62	**4.20 ***	2.20
NWMN_1395	hypothetical protein	1.71 *	1.23 *	2.72 *	**3.52 *†**	2.58 *	1.99 *	1.66 *†	**4.04 ***	**3.66 *†**	**3.06 *†**
purF	glutamine phosphoribosylpyrophosphate amidotransferase	1.27 *†	1.94 *	**3.89 *†**	2.48 *†	2.60 *	2.97 *	**3.70 ***	2.5 *	2.03 *†	2.55 *†
thiD	phosphomethylpyrimidine kinase	1.45 *	0.89	1.89 *	**3.87 ***	1.62 *†	1.19 *	1.54 *	**3.23 *†**	1.71 *	2.11 *
NWMN_2608	hypothetical protein	1.24 *	**3.77 ***	1.47 *	1.73 *†	2.58 *	0.94	1.44 *	2.27 *	1.97 *	1.79 *†
srtB	NPQTN-specific sortase B	1.27 *†	2.55 *	1.69 *†	2.66 *	2.63 *	1.78 *†	2.07 *	**3.76 ***	**3.18 *†**	2.14 *†
ilvE	branched-chain-amino-acid aminotransferase	1.23 *†	1.56 *†	2.70 *	**3.75 *†**	1.33 *	2.16 *†	2.21 *†	1.42 *†	1.75 *†	**3.43 ***
NWMN_1941	similar to nitroreductase family protein	1.35 *	**3.46 ***	1.62 *	2.46 *	1.73 *	1.71 *	2.79 *	2.70 *	2.02 *	1.68 *
fmhA	methicillin resistance determinant fmhA protein	1.23 *†	2.31 *	**3.21 *†**	2.37 *	2.26 *†	2.80 *†	**3.43 ***	2.12 *†	2.18 *†	2.40 *†
NWMN_2491	hypothetical protein	1.28 *†	1.37 *	2.09 *	**3.38 *†**	**3.23 ***	1.78 *†	2.30 *†	1.51 *	**3.09 *†**	1.81 *†
NWMN_2472	hypothetical protein	1.32	1.75 *	1.36	1.93 *	2.44 *	1.78 *	**3.37 ***	1.49 *	2.17 *	1.18
NWMN_0894	nucleotidase family protein	1.18 *†	1.44 *	1.49 *†	**3.35 *†**	1.97 *	2.14 *†	1.78 *†	2.05 *	1.90 *†	2.27 *†
NWMN_0175	flavohemoprotein	1.42	1.37	2.51 *	**3.25 ***	0.84 †	0.80 †	0.77 †	2.21 *	1.02 †	1.11
scdA	cell wall metabolism protein	1.55 *	1.63 *	1.51 *	**3.23 ***	1.68 *	1.26	1.77 *	2.21 *	1.70 *	2.36 *
NWMN_1773	N-acetylglucosamidase for bacteriophage phiNM1	1.1 *†	1.56 *†	**3.22 ***	2.57 *†	1.76 *	1.53 *	2.23 *†	1.24 *	2.21 *†	1.65 *†
NWMN_2425	hypothetical protein	1.68 *	2.66 *	2.22 *	2.07 *†	2.00 *	**3.09 ***	**3.14 ***	**3.03 ***	1.57 *	2.45 *
nirR	nitrite reductase transcriptional regulator NirR	1.73	1.24	2.11	1.39	1.03	2.78	0.93	**3.10**	1.26	1.54
tagB	teichoic acid biosynthesis protein B	1.4 *	2.20 *	**3.10 ***	2.75 *†	1.90 *†	2.02 *†	1.79 *†	1.28 *†	2.29 *	1.92 *
NWMN_2002	hypothetical protein	1.25 *	1.40 *	2.02 *	**3.10 ***	0.77 *†	1.87 *	1.20 *	1.63 *	1.86 *	1.24 *
arcC	carbamate kinase	1.32 *	1.47 *	2.42 *†	2.61 *†	1.93 *†	**3.04 ***	1.50 *	2.36 *†	1.83 *†	2.58 *†
NWMN_0177	similar to PTS transport system IIBC component	1.32	1.58 *	2.37 *	3.00 *†	1.65 *	1.70 *	1.94 *	1.54 *	1.59 *	1.72 *

aroC	chorismate synthase	1.15	1.74 *	2.24 *	2.99 *	2.22 *	2.07 *	1.38 *	2.71 *	1.75 *†	1.49 *†
ldh (ldh2)	L-lactate dehydrogenase 2	1.24	1.49	1.98 *	2.92 *	1.31	1.91 *	1.97 *	2.12 *	1.26	1.59
NWMN_1226	hypothetical protein	1.31 *	1.33 *	2.17 *	1.90 *	1.40 *	0.90 *†	1.01 †	1.32 *	1.06 †	2.92 *
NWMN_2379	hypothetical protein	1.29 *	2.74 *	2.90 *	1.34 *	2.18 *	1.60 *	1.35 *	1.83 *	2.25 *	2.02 *
ipdC	indole-3-pyruvate decarboxylase	1.72	2.25 *	2.89 *	2.59 *	1.28	1.02	1.43	1.57	1.71	1.30
opuCA	glycine betaine FL-proline transport ATP-binding subunit	1.27	1.31	1.65 *	2.88 *†	1.20	1.75 *	1.63 *	1.29	1.03	1.47 *
mutL	DNA mismatch repair protein MutL	1.17 *†	1.62 *	2.35 *†	2.87 *†	2.16 *†	2.02 *†	2.12 *†	2.20 *†	2.48 *†	2.07 *†
NWMN_1930	similar to tetracenomycin polyketide synthesis O-methyltransferase	1.49	2.55 *	1.70 *	1.48	1.48	2.26 *	0.90 †	2.86 *	1.76 *	2.63 *
NWMN_0222	hypothetical protein	1.3	1.49	1.30	2.85 *	1.50	2.57 *	1.05 †	1.92 *	2.80 *	1.34
sdrC	Ser-Asp rich fibrinogen bone sialoprotein-binding protein SdrC	1.26 *†	1.31 *†	1.50 *	1.82 *†	2.01 *†	2.60 *	2.85 *	1.87 *	2.54 *†	2.24 *†
NWMN_0269	hypothetical protein	1.43 *	2.84 *†	1.95 *†	2.18 *†	1.60 *	2.14 *	2.35 *	1.70 *†	2.31 *†	2.36 *
NWMN_2538	hypothetical protein	1.36 *	1.65 *	2.07 *	1.76 *	2.48 *	2.19 *	2.11 *	2.81 *	2.64 *	1.28 *
NWMN_0220	hypothetical protein	1.59 *	1.57 *	1.54 *	1.26 *	1.72 *	2.79 *	1.87 *	1.89 *	1.78 *	1.36 *
NWMN_2036	hypothetical protein	1.26 *†	1.51 *	1.86 *†	2.79 *†	1.92 *†	2.43 *†	2.20 *†	1.80 *	1.86 *†	2.45 *†
glcA	glucose-specific PTS transporter protein IIABC component	1.52	1.39	2.09	1.77	1.39	1.37	1.48	1.70	2.73 *	2.59 *
NWMN_2451	MmpL efflux pump	1.37 *	1.21 *	2.04 *	2.00 *	1.86 *†	1.82 *	1.32 *	2.73 *	2.32 *†	1.68 *†
treR	trehalose operon repressor	1.48 *	1.43 *	1.48 *	1.95 *	1.68 *	1.14	1.15	2.70 *	2.10 *	1.64 *
NWMN_0656	cobalamin synthesis protein	1.23 *†	2.28 *†	2.10 *	1.67 *†	1.66 *†	2.18 *	1.73 *	2.23 *	2.70 *	1.59 *†
NWMN_0186	zinc-containing alcohol dehydrogenase	1.42	1.67	2.68 *	2.35 *	1.01	1.55	1.18	1.24	1.19	1.97
entB	isochorismatase	1.37 *	1.59 *	2.60 *	2.40 *	0.90	0.93	1.98 *	2.59 *	2.61 *†	1.54 *†
isaB	immunodominant antigen B	1.39 *	1.84 *	2.00 *	2.33 *†	2.01 *	2.02 *	2.55 *	2.59 *	2.54 *†	2.44 *
NWMN_2196	hypothetical protein	1.46 *	1.69 *	1.16 *	2.59 *	1.13 *	1.29 *	1.23 *	1.33 *	1.76 *	1.49 *
NWMN_2254	similar to multidrug resistance protein A	1.61 *	1.47	1.38	2.57 *	2.48 *	1.28	0.89 †	1.81 *	1.40	1.66 *
NWMN_2303	formate nitrite transporter family protein	1.52 *	1.66 *	1.24 *	0.95	1.34 *	2.54 *	1.82 *	1.86 *	1.91 *	1.31 *
NWMN_2421	NADH-flavin oxidoreductase	1.28 *	1.17	1.39 *	1.85 *	1.74 *†	2.47 *	2.2 *†	1.89 *	1.85 *	1.73 *
dnaA	chromosomal replication initiator protein DnaA	1.26 *	1.48 *	1.76 *	2.46 *	1.18 *	1.84 *	1.37 *	1.82 *	1.84 *†	1.81 *

NWMN_2239	aldose 1-epimerase precursor	1.38 *	1.76 *	1.54 *	1.76 *†	1.68 *†	2.37 *	1.82 *	2.45 *†	2.10 *†	1.84 *†
NWMN_0912	similar to menaquinone-specific isochorismate	1.17 *†	1.76 *	2.35 *†	2.44 *	1.67 *	1.53 *	1.27 *	1.29 *†	1.80 *†	1.74 *
NWMN_2607	hypothetical protein	1.48	1.61 *	2.39 *	1.52	1.87 *	0.74 *†	0.92 *†	1.81 *	1.41 †	1.37 †
metB	cystathionine gamma-synthase	1.28 †	1.51 *	2.38 *	1.51 *	0.95 *†	1.03 †	1.33 †	0.97 *†	2.01 *	1.44 †
NWMN_2186	acyl-CoA dehydrogenase-related protein	1.33 *	1.09	1.92 *	1.60 *	1.35 *	2.38 *	2.22 *†	1.99 *†	1.51 *	1.57 *
NWMN_0944	similar to ABC transporter ATP-binding protein	1.3 *†	2.16 *†	2.37 *†	1.89 *†	1.54 *†	1.91 *†	1.82 *†	2.21 *†	2.01 *†	1.21 *
NWMN_0800	haloacid dehalogenase-like family protein	1.27 *	1.12	1.50 *	2.34 *	0.89 †	1.23	0.95	1.36 *	2.17 *	2.35 *
NWMN_1888	tail tape measure protein for bacteriophage phiNM3	1.23 *	1.39 *	2.00 *	1.32 *	1.36 *	1.53 *	1.92 *†	1.29 *	2.18 *	2.35 *
NWMN_2304	hypothetical protein	2.04	1.17 †	1.12 †	1.62	1.00 †	1.03 †	1.09 †	2.35	1.76	1.07 †
treC	C alpha-phosphotrehalase	1.58 *	1.93 *	1.83 *	1.97 *	1.59 *	1.38 *	1.16	2.21 *	2.33 *	2.02 *
NWMN_0561	hypothetical protein	1.25 *	1.32 *	2.30 *	1.61 *	1.00 †	1.51 *	1.54 *	1.41 *	2.26 *	1.45 *
NWMN_0249	nucleotidase lipoprotein family protein	1.37	1.88 *	0.79 *†	0.54 *†	1.01 †	1.23 †	1.24 †	2.30 *	1.25 †	0.90 †
NWMN_0777	hypothetical protein	1.33 *	1.70 *	1.76 *	1.65 *	1.47 *	1.97 *	1.90 *	2.30 *†	1.33 *†	1.56 *
moeA	molybdopterin biosynthesis protein MoeA	1.49 *	1.70 *	2.14 *	2.29 *	1.47 *†	1.61 *	1.74 *	1.43 *†	1.94 *†	1.91 *
NWMN_0115	hypothetical protein	1.42	1.70	1.66	1.85 *	1.92 *	1.05	1.00	1.74	2.28 *	1.34
narH	nitrate reductase beta chain	1.15	2.25	1.23	1.26	0.92	0.65	1.30	1.23	1.12	1.08
NWMN_0256	hypothetical protein	1.79	0.89	1.60	2.24	1.85	0.92	1.26	1.86	1.96	1.23
mvaS	3-hydroxy-3-methylglutaryl coenzyme A synthase	1.39 *	2.01 *	1.43 *†	2.24 *	1.73 *†	1.67 *†	1.53 *†	2.05 *†	1.97 *†	1.58 *†
NWMN_0943	similar to cobalt transport protein	1.32 *	1.51 *†	2.24 *†	1.95 *	1.19 *	1.59 *†	1.56 *†	1.42 *	1.91 *	1.34 *
NWMN_2386	similar to helicase	1.21 *	1.62 *	1.25 *	1.94 *	1.36 *	2.13 *	1.53 *	1.54 *†	2.21 *	1.76 *
NWMN_0223	hypothetical protein	1.31 *	1.35 *	1.81 *	1.75 *	1.21 *	2.12 *	2.21 *	1.74 *†	1.71 *†	1.40 *
NWMN_2447	methylated-DNA-protein-cysteine methyltransferase	1.23 *	1.39 *	1.71 *	2.20 *	1.17 *	1.21 *	1.33 *	1.38 *	1.59 *	1.64 *
NWMN_2240	hypothetical protein	1.29 *	1.60 *	1.74 *	1.42 *	1.81 *	1.56 *	1.48 *	2.20 *†	1.75 *†	1.25 *†
narG	nitrate reductase alpha subunit	1.27	2.04	1.28	1.29	1.61	1.30	2.18	1.44	1.47	1.05
NWMN_2392	hypothetical protein	1.37 *	1.31 *	1.87 *	1.60 *	1.46 *†	1.70 *	2.00 *	2.07 *	2.18 *†	1.94 *
NWMN_2241	hypothetical protein	1.16 *	1.36 *	1.81 *	2.02 *	1.52 *	2.08 *	1.92 *	1.84 *	2.17 *	1.68 *

NWMN_0114	cation efflux family protein	1.26	1.51 *	1.63 *	1.21	1.80 *	1.45 *	1.15	1.29	2.15 *	1.66 *
queC	7-cyano-7-carbaguanine synthase	1.32 *	1.72 *	1.79 *	1.51 *	1.70 *	2.12 *	1.38 *	1.52 *	2.05 *	1.31 *
NWMN_1990	hypothetical protein	1.21	2.12 *	1.56	1.51	1.35	1.10	1.29	1.35	1.67	1.15
sbcD	exonuclease SbcD	1.2 *	2.12 *	2.09 *†	1.77 *†	1.35 *†	1.40 *	1.17 *	1.56 *	1.67 *†	1.52 *
modC	molybdenum ABC transporter ATP-binding protein	1.39 *	1.49 *	1.19	1.47 *	1.27	1.77 *	2.09 *	1.44 *	1.76 *	1.59 *
NWMN_0119	hypothetical protein	1.24	1.42	2.09 *	0.90 †	0.99	1.37	1.38	1.83 *	1.69	1.69
modB	molybdenum ABC transporter permease protein	1.09 †	1.05 †	1.50 *	1.17 *	1.05 †	1.11 †	1.55 *	1.14 *	1.39 *	2.06 *
NWMN_2253	drug resistance transporter EmrB QacA subfamily protein	1.35 *	1.46 *	1.39 *	2.05 *	1.58 *	1.34 *	1.11	1.73 *	1.87 *	1.50 *
NWMN_2185	iron compound ABC transporter iron compound-binding protein	1.22	1.50	1.10	1.68	2.04	0.91 †	0.82 †	1.68	1.40	1.17
NWMN_1035	N-acetylglucosamidase for bacteriophage phiNM2	1.32 *	1.62 *	1.59 *	1.48 *	1.38 *	1.38 *	2.00 *	1.46 *	1.13	1.83 *
NWMN_0945	hypothetical protein	1.51 *	1.93 *†	1.44 *	1.99 *†	1.57 *	1.74 *†	1.53 *†	1.73 *†	1.86 *†	1.86 *†
NWMN_0151	similar to ABC transporter ATP-binding protein	1.66	1.13 †	1.45 †	1.26 †	0.81 †	1.00 †	0.71 †	1.45	1.96	1.87 †
NWMN_2489	hypothetical protein	1.24 *	1.50 *	1.51 *	1.71 *	1.28 *	1.13	1.15 *†	1.72 *	1.94 *	1.33 *
NWMN_1691	hypothetical protein	1.62	1.30	1.26 †	1.88	1.93	1.34	0.91 †	1.06 †	0.96 †	0.77 †
NWMN_1584	hypothetical protein	1.46 *	1.49 *	1.92 *	1.73 *	0.90 *†	1.19 *	1.22 *	1.69 *	1.49 *	1.12
moaB	molybdopterin precursor biosynthesis	1.3 *	1.11 *	1.91 *	1.58 *	1.35 *	1.20 *	1.27 *	1.47 *	1.57 *†	1.06 *
hsdR	type-I restriction-modification system restriction endonuclease subunit	1.24	1.57 *	1.12	1.49 *	1.37	1.50 *	1.55 *	1.52 *	1.39	1.89 *
NWMN_0387	hypothetical protein	1.46	1.01 †	1.13	1.23	1.86	1.13	1.38	1.04	0.93 †	1.01
NWMN_0419	hypothetical protein	1.46 *	1.42	1.05 †	1.41	1.54 *	1.78 *	1.83 *	0.79 *†	1.31 †	1.15 †
htrA	serine protease HtrA	1.19 *	1.29 *	1.46 *	1.54 *†	1.50 *	1.45 *	1.21 *	1.58 *†	1.67 *†	1.83 *
NWMN_0413	hypothetical protein	1.16 *	1.58 *	1.6 *	1.80 *	1.34 *	1.79 *	1.63 *†	1.30 *†	1.58 *†	1.43 *†
azoR	acyl carrier protein phosphodiesterase	1.2 †	1.03 †	1.46 †	0.81 *†	1.42	1.16 †	1.38 †	1.80 *	0.95 *†	1.35 †
thiI	thiamine biosynthesis protein ThiI	1.14	1.32	1.00 †	1.44	1.47	1.42	1.30 †	1.51	1.75 *	1.11
NWMN_0375	hypothetical protein	1.11	1.52 *	1.46 *	1.27	1.06	1.37 *	1.35 *	1.16	1.72 *	1.30 *
NWMN_0615	hypothetical protein	1.26	1.49 *	1.69 *	1.56 *	1.29	0.89 †	0.97 †	1.25	1.41 *	1.46 *
narJ	respiratory nitrate reductase delta subunit	1.66	1.10	1.17	0.47 †	0.65 †	0.57 †	0.69 †	1.09	1.05	0.89

fda	fructose-bisphosphate aldolase class-I	1.29 *	1.12 *	1.42 *	1.40 *	1.03	1.47 *	1.59 *	1.65 *	1.58 *	1.24 *
NWMN_0705	ferrichrome ABC transporter lipoprotein	1.43	1.35	1.25	1.27	1.51	0.69 †	0.99 †	1.50	1.63 *	1.53
NWMN_0172	hypothetical protein	1.26 *	1.58 *	1.60 *	1.25 *	1.06	1.23	1.27 *	1.48 *	1.11 †	0.99 †
pdxS	pyridoxine biosynthesis protein	1.31	1.20	1.14 †	1.02 †	1.16 †	1.54 †	1.45 †	1.17 †	1.20 †	0.99 †
spa	immunoglobulin G binding protein A precursor	1.44	0.79 †	0.64 †	0.57 †	1.19 †	1.25 †	1.5 †	1.14 †	0.83 †	0.70 †
ackA	acetate kinase	1.23	1.37 *	1.28 *	1.04 †	1.41 *	1.48 *	1.17 †	1.34 *	1.30 *	1.16
pdxT	similar to SNO glutamine amidotransferase	1.3	1.25	1.35 †	0.83 *†	1.17 †	1.34 †	1.20 †	1.25 †	1.03 †	1.10 †
	NsaSR upregulated, VraSR regulated										
NWMN_2223	hypothetical protein	1.16 *†	1.53 *†	**7.20 *†**	**13.41 *†**	2.51 *†	2.39 *†	**3.14 *†**	**3.22 *†**	**4.52 *†**	**4.51 *†**
NWMN_1333	phosphotransferase system glucose-specific IIA component	1.19 *†	1.56 *†	**5.64 *†**	**10.84 *†**	1.82 *†	**3.58 *†**	**3.42 *†**	1.55 *†	2.44 *†	**3.66 *†**
	NsaSR upregulated, WalKR regulated										
clpB	ATP-dependent Clp protease ATP-binding subunit	1.44 *†	1.59 *†	**8.96 ***	**36.5 ***	**8.82 *†**	**24.43 *†**	**32.7 *†**	1.75 *†	2.33 *†	1.87 *†
ilvA (ilvA1)	threonine dehydratase	1.26 *†	1.69 *†	**5.24 ***	**8.49 ***	**3.47 *†**	**3.15 *†**	**3.91 *†**	1.39 *†	**3.75 ***	**5.75 *†**
NWMN_2590	transcriptional regulator PadR-like family protein	1.28 *†	1.19 *†	1.87 *†	**3.50 *†**	1.99 *†	**4.2 *†**	**5.34 *†**	1.54 *†	1.88 *†	1.71 *†
pyrAB	carbamoyl-phosphate synthase pyrimidine-specific large chain	1.77	1.90	0.97	0.73 †	2.01 *	**4.64 ***	**4.26 ***	2.29 *	1.55	1.65
glpQ	glycerophosphoryl diester phosphodiesterase	1.43 *	1.61 *	1.75 *	1.60 *	1.36 *	1.00 †	1.65 *	1.62 *	2.47 *	1.63 *
NWMN_1689	hypothetical protein	1.33	1.18 †	1.82 *	2.45 *	1.54	1.38	1.46	1.83 *	2.05 *	1.34
NWMN_1688	hypothetical protein	1.70 *	1.06 †	1.85 *	2.12 *	1.04	1.44 †	1.56 *	1.56 *	1.52	1.07 †
NWMN_1070	similar to fibrinogen-binding protein	1.28 *	1.46 *	1.30 *	1.62 *	1.31 *	1.65 *	1.84 *	0.88 †	1.60 *	1.34 *
	NsaSR downregulated										
NWMN_1916	hypothetical protein	1.26 *†	2.01 *	**3.65 *†**	2.29 *	**3.34 *†**	**3.76 ***	**3.89 *†**	**9.21 ***	2.36 *†	**3.03 *†**
NWMN_0089	similar to DNA-binding protein	1.03 *†	1.10 *†	**6.76 ***	**3.1 ***	**3.55 ***	1.04 *†	1.07 *†	1.09 *†	1.05 *†	1.07 *†

capE	capsular polysaccharide biosynthesis protein CapE	1.34 *†	1.67 *†	**3.85 ***	**3.55 *†**	1.38 *†	1.8 *	2.26 *†	1.59 *†	**6.62 *†**	**6.69 ***
capI	capsular polysaccharide biosynthesis protein CapI	1.21 *†	2.42 *	**6.08 ***	**3.63 ***	**3.62 ***	1.74 *	1.87 *	2.02 *†	**3.12 *†**	2.78 *†
capG	UDP-N-acetylglucosamine 2-epimerase	1.26 *	1.57 *	2.96 *	2.96 *†	1.92 *†	1.00 *	1.97 *†	1.34 *	**5.42 *†**	**4.39 ***
NWMN_1828	hypothetical protein	1.72 *	0.98 †	2.17 *	0.86 †	2.67 *	**3.75 ***	1.56 *	**5.22 ***	2.47 *	1.57 *
sspB	staphopain thiol proteinase	1.37 *	2.34 *	**4.13 ***	1.34	**4.86 ***	1.84 *	1.69 *	**3.92 ***	2.51 *	1.54 *
capL	capsular polysaccharide biosynthesis protein glycosyltransferase CapL	1.58 *	**4.85 ***	**3.09 *†**	**3.07 ***	1.75 *†	**3.06 ***	2.89 *	2.47 *	**3.56 *†**	**3.39 *†**
capD	dTDP-4-dehydrorhamnose reductase	1.26 *†	1.69 *†	1.69 *†	1.85 *†	1.58 *†	2.02 *†	1.53 *†	2.02 *†	**3.35 *†**	**4.05 *†**
adhE	iron-containing alcohol dehydrogenase	1.39	1.99 *	2.43 *	2.48 *	1.39	1.50	1.76 *	**3.95 ***	**3.97 ***	**3.28 ***
capH	capsular polysaccharide synthesis enzyme O-acetyl transferase CapH	1.29 *†	**3.68 ***	1.83 *	1.77 *†	1.17 *	**3.45 ***	1.43 *	1.55 *	**3.51 ***	2.85 *†
mnhC	Na-H antiporter component	1.44 *	1.52 *	**3.64 ***	2.28 *	1.86 *	2.12 *	2.02 *†	1.83 *†	2.42 *†	2.19 *†
sepA	Antiseptic resistance protein SepA	1.23 *†	1.43 *	2.55 *†	2.79 *†	1.86 *†	1.71 *†	2.01 *†	2.44 *	2.56 *†	2.19 *†
NWMN_2407	hypothetical protein	1.17 *	1.51 *	2.06 *	1.73 *†	0.98 *	1.34 *	1.11 *	1.34 *	2.76 *†	1.85 *†
NWMN_0037	similar to LysR family regulatory protein	1.26	0.94 †	2.52 *	2.41 *	2.03 *	2.42 *	1.42	2.13 *	1.41	2.60 *
NWMN_2468	acetyltransferase GNAT family protein	1.19	1.05	1.74 *	1.42	1.25	1.07 †	0.91 †	1.46	2.49 *	1.71 *
sspA	V8 protease glutamyl endopeptidase precursor	1.14	1.90 *	1.81 *	1.40 *	1.52 *	1.25	0.96 †	2.47 *	1.53 *	1.60 *
hysA	hyaluronate lyase precursor	1.47 *	1.82 *	1.77 *	2.31 *	1.30 *	1.66 *	1.87 *	1.91 *†	2.00 *†	2.47 *†
NWMN_1397	hypothetical protein	1.71 *	1.11	2.46 *	2.20 *	1.31 *	1.42 *	1.35 *	2.13 *	2.05 *†	1.70 *
capO	UDP-N-acetyl-D-mannosaminuronic acid dehydrogenase	1.38 *	0.77 *†	1.56 *	1.67 *	1.43 *	0.89 †	1.30	1.37 *	1.86 *	1.29
NWMN_0704	ABC transporter ATP-binding protein	1.74	1.60	0.91 †	1.58	1.30†	0.85 †	1.08 †	1.20 †	1.84 *	1.32
NWMN_0313	phage amidase for bacteriophage phiNM4	1.34 *	1.37 *	1.36 *	1.57 *	1.36 *	1.31 *†	1.28 *	1.27 *	1.31 *	1.44 *
NWMN_1769	amidase for bacteriophage phiNM1	1.25	1.30	1.37	1.07 †	1.12 †	1.03 †	1.23 †	1.26	1.38	1.27

NsaSR downregulated, WalKR regulated

splC	serine protease SplC	1.48 *	2.57 *	**12.13 ***	**3.01 *†**	2.05 *†	2.44 *	2.71 *†	**4.23 *†**	2.36 *†	2.42 *
splE	serine protease SplE	1.06 *†	**6.93 ***	**4.07 ***	**4.91 ***	**11.23 ***	2.29 *†	1.15 *†	**4.29 ***	1.64 *†	2.30 *†
splD	serine protease SplD	1.18 *†	**4.98 ***	2.63 *	2.81 *	1.68 *†	**6.09 ***	**4.32 ***	**4.04 ***	**7.37 ***	**3.24 ***

fnbA	fibronectin binding protein A precursor	1.40	0.78	2.01 *	2.33 *	**4.76 ***	2.00 *	2.04 *†	1.44	2.08 *†	1.68 *
splA	serine protease SplA	1.89 *	1.44	1.25 †	1.76 *	1.22	0.95 †	1.86 *	2.01 *	1.42	1.37 †
hlb	truncated beta-hemolysin	1.22	1.29	1.58 *	1.18	1.37 *	1.56 *	1.70 *	1.28	1.53 *	1.13

Supp. Table 3: WalKR regulated genes. The maximal upregulation at any time point for each given condition is reported. Genes with maximal regulation >3 fold are highlighted in bold red font. Fold changes with significance $p < 0.05$ are marked with asterisks (*) by Z-factor test and crosses (+) by T-test. Genes are arranged by decreasing maximal upregulation in any of the conditions.

	WalKR regulated	Control	PMX30063			Daptomycin			LL16		
Gene	Gene description	[µ/mL]	0.39	0.78	1.17	2.0	4.0	6.0	2.0	4.0	6.0
hrcA	heat-inducible transcription repressor	1.27 *+	1.17 *+	**3.19 *+**	**23.52 ***	**4.40 *+**	**16.07 *+**	**19.77 *+**	2.91 *+	2.44 *+	1.73 *+
NWMN_0485	UvrB-UvrC motif domain protein	1.41 *+	**3.24 ***	**4.16 *+**	**19.86 *+**	**7.30 *+**	**11.44 *+**	**16.9 *+**	2.05 *+	2.11 *+	2.74 *+
grpE	Hsp-70 cofactor GrpE protein	1.49 *+	1.49 *+	**3.29 ***	**5.17 *+**	2.29 *+	**5.00 *+**	**7.97 *+**	1.20 *	1.12 *+	1.44 *
NWMN_1750	extracellular glutamine-binding protein	1.62 *	**3.69 ***	**3.61 *+**	**7.32 *+**	**3.98 ***	2.56 *	0.94	2.04 *	**3.35 ***	**3.85 *+**
pflA	similar to formate-lyase activating enzyme	1.32	1.44	**4.67 ***	**5.81 ***	2.16 *	1.22	1.57	**6.41 ***	2.36 *	1.53
prmA	ribosomal protein L11 methylase	1.30 *+	1.65 *+	2.79 *+	**6.37 *+**	1.97 *+	**4.03 *+**	**3.54 *+**	1.52 *+	1.69 *+	1.63 *+
lytM	peptidoglycan hydrolase	1.24 *+	1.57 *+	1.96 *+	**3.18 *+**	2.66 *+	1.81 *+	2.58 *+	2.73 *+	**6.36 *+**	2.85 *+
pyrB	aspartate carbamoyltransferase catalytic subunit	1.51	2.85 *	1.31	1.07	1.92 *	**6.02 ***	**4.56 ***	1.65 *	1.83 *	1.39
NWMN_1687	hypothetical protein	1.81	2.18 *	**3.49 ***	**4.03 ***	**5.93 ***	2.31 *	1.15	2.30 *	2.67 *	**4.28 ***
NWMN_1347	amino acid permease	1.94	1.36	1.42	1.31	1.03	0.93	1.21	**5.72 ***	2.45	1.73
NWMN_0921	ATL autolysin transcriptional regulator	1.20 *	1.68 *	**5.45 ***	1.57 *	2.19 *	**3.32 ***	**3.07 ***	2.12 *+	2.80 *+	1.52 *
NWMN_0122	hypothetical protein	1.36	**3.25 ***	2.88 *	**3.55 ***	2.29 *	2.30 *+	1.64 *	1.19	**5.44 ***	**3.45 ***
dnaJ	heat shock protein 40	1.24 *+	1.23 *+	**3.16 *+**	**5.43 *+**	1.84 *+	**3.22 *+**	**3.97 *+**	1.67 *+	1.83 *+	1.71 *+
NWMN_0402	hypothetical protein	1.51 *	1.40 *	2.68 *	**4.79 *+**	2.45 *	2.92 *+	**4.79 *+**	1.27 *	2.70 *+	**3.26 *+**
pyrC	dihydroorotase multifunctional complex type	1.83	2.06 *	1.16	0.72 +	1.91 *	**4.16 ***	**4.67 ***	1.89	1.67	1.78
NWMN_0757	secreted von Willebrand factor-binding protein precursor	1.19	0.81 +	1.32 +	1.90	**4.52 ***	1.36	1.14 +	1.2 +	1.36	1.05 +
NWMN_2443	secretory antigen SsaA homolog	1.54 *	2.14 *+	1.80 *+	2.18 *+	2.98 *+	1.98 *	1.43 *	2.46 *	**4.35 ***	2.08 *
pyrAA	carbamoyl-phosphate synthase small chain	1.89	2.02 *	0.97	0.66 +	2.52 *	**3.93 ***	**4.22 ***	1.95	1.89	1.78
NWMN_0423	sodium-dependent symporter protein	1.55 *	2.03 *	2.58 *	**4.13 ***	2.83 *	2.37 *	1.34	1.85 *	2.83 *	1.54 *
NWMN_1071	hypothetical protein	1.56 *	2.25 *	2.96 *+	2.28 *	**3.58 *+**	**4.12 ***	2.83 *	1.59 *+	2.47 *+	**3.21 *+**
NWMN_0431	MutT domain containing protein	1.11 *+	**3.67 ***	2.17 *	1.87 *+	1.80 *+	1.55 *+	1.67 *+	2.20 *+	2.67 *+	2.63 *

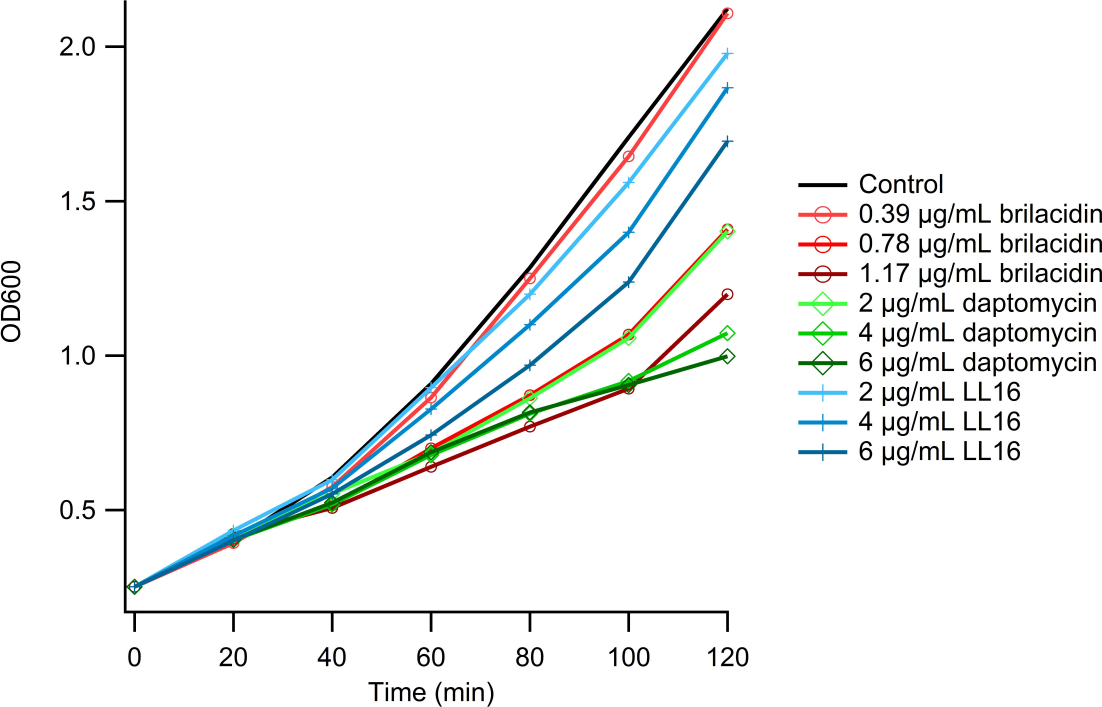
NWMN_0634	secretory antigen SsaA-like protein	1.43 *	1.28 *	1.85 *†	2.55 *	1.80 *†	1.33 *	1.40 *	2.51 *	**3.53 ***	1.72 *†
pryF	orotidine 27-phosphate decarboxylase	1.73 *	1.83 *	0.84 †	0.76 †	1.92 *	**3.18 ***	2.95 *	**3.38 ***	1.39	1.32
pyrE	orotate phosphoribosyltransferase	1.78 *	1.24	1.45	0.91 †	1.61 *	2.76 *	2.08 *	**3.37 ***	2.31 *	1.57 *
lukS	leukocidin hemolysin toxin family S subunit	1.48 *	1.51 *	2.41 *	2.27 *	1.81 *	2.85 *	**3.36 ***	2.58 *	**3.23 ***	1.87 *
NWMN_1708	hypothetical protein	1.59	1.10 †	1.88	1.53	2.33 *	1.51 †	0.70 †	1.75	**3.34 ***	1.42
NWMN_0049	similar to Na Pi-cotransporter	1.34 *	1.96 *	1.51 *†	2.44 *†	1.84 *†	1.70 *	1.37 *	2.30 *	**3.22 *†**	1.94 *†
NWMN_2090	similar to Zinc-type alcohol dehydrogenase protein	1.51 *	**3.21 ***	1.60 *	2.41 *†	1.48 *	1.99 *	2.58 *†	1.51 *	1.72 *	1.31 *
NWMN_0326	MarR family regulatory protein	1.31 *†	1.67 *	1.95 *†	2.83 *†	1.98 *	1.87 *	1.08 *	1.47 *†	2.11 *†	**3.10 *†**
fmtB	methicillin resistance determinant FmtB protein	1.15 *†	1.13 *	1.80 *	**3.01 *†**	1.69 *†	2.28 *†	**3.08 ***	1.77 *†	2.13 *†	2.76 *†
NWMN_0724	similar to a protein with LysM domain	1.46	1.60 *	1.84 *	2.65 *	**3.01 ***	1.56	2.92 *	2.00 *	2.24 *†	1.61 *
NWMN_0165	hypothetical protein	1.75 *	1.35 *	2.74 *	2.23 *	2.73 *	2.82 *	2.59 *†	1.84 *	2.16 *	2.89 *
NWMN_1667	mannosyl-glycoprotein endo-beta-N-acetylglucosamidase	1.32 *	2.20 *	1.48 *	1.60 *	1.33 *	1.41 *	1.15	1.19	2.88 *	1.35 *
NWMN_0665	hypothetical protein	1.75	1.17 †	1.66	2.86 *	2.56 *	1.10	0.96 †	1.41	2.06 *	1.14 †
lukF	leukocidin hemolysin toxin family F subunit	1.54 *	2.23 *	1.63 *	2.02 *	1.31	2.82 *	2.11 *	2.65 *	2.28 *	1.59 *
clpB	similar to lipopolysaccharide modification acyltransferase	1.14	1.54 *	1.49 *	2.70 *	1.75 *	1.94 *	0.99	1.81 *	2.09 *	1.48 *
NWMN_0362	hypothetical protein	1.46	1.28	1.04	1.33	1.81 *	1.99 *	2.63 *	1.22	1.08	1.35
NWMN_1159	similar to DNA processing protein DprA	1.19 *†	2.14 *	1.93 *	1.82 *†	1.76 *	2.43 *	1.67 *	1.73 *	2.63 *†	1.82 *
NWMN_1068	hypothetical protein	1.33 *	1.00 †	1.53 *	1.17	1.31 *	2.61 *	1.98 *	0.91 †	1.08 †	0.97 †
potA	spermidine putrescine ABC transporter ATP-binding protein	1.50 *	1.26 *	1.68 *	1.81 *	1.55 *	2.22 *	1.82 *	2.16 *	2.48 *†	1.57 *
NWMN_0489	N-terminal deoxyribonuclease	1.31 *†	2.47 *	1.54 *	2.14 *†	1.93 *	1.72 *	1.26 *	1.60 *	2.29 *†	1.95 *†
NWMN_0157	hypothetical protein	1.57 *	1.28	1.07 †	1.15	2.45 *	2.17 *	1.81 *	1.82 *	1.58 *	1.12
radA	DNA repair protein RadA	1.27 *†	2.00 *†	1.69 *†	2.39 *†	1.51 *†	1.70 *	1.17 *†	1.77 *†	1.92 *†	2.06 *†
ssl11	staphylococcal enterotoxin-like toxin	1.34 †	1.1 †	0.95 *†	0.87 *†	2.32 *	1.14 †	0.71 *†	0.95 *†	1.04 †	1.05 †
NWMN_1518	hypothetical protein	1.19 *	1.32 *	1.53 *†	2.31 *†	1.02 *†	1.73 *	1.40 *†	1.87 *	1.84 *†	2.00 *
NWMN_0432	similar to acetyltransferase GNAT family protein	1.37	1.85 *	1.90 *	2.29 *	1.32	1.88 *	1.84 *	1.48	1.39	2.13 *
sle1	N-acetylmuramoyl-L-alanine amidase aaa precursor	1.27	1.65	1.83 *	2.22 *	1.13 †	0.97 †	0.93 †	1.42	2.19 *	1.50

NWMN_2236	abortive infection protein family protein	1.22 *	1.48 *	1.59 *	1.90 *†	2.10 *	1.60 *	1.41 *	1.55 *	2.17 *	1.50 *
NWMN_1751	phosphotransferase system EIIC	1.33 *	1.98 *	1.55 *	1.38 *	1.21	1.17	1.15	1.40 *	2.16 *	0.97 †
NWMN_0123	similar to surfactin synthetase	1.12 *†	1.28 *	1.66 *†	2.11 *†	1.06 *	1.47 *	1.23 *	1.33 *†	1.71 *†	2.01 *†
NWMN_0964	similar to transcriptional regulator	1.48 *	0.98 †	1.22	1.32 *	1.85 *	1.45 *	1.61 *	1.95 *	2.05 *	1.82 *
NWMN_1066	similar to fibrinogen-binding protein	1.41	1.10	1.48	1.65 *	1.29	1.34	1.26	1.20	1.34	1.17
geh	truncated triacylglycerol lipase precursor	1.21	1.39 †	1.03 †	0.63 *†	0.90 †	1.56 †	1.38 †	1.51	1.01 †	0.97 †
vicR (walR)	response regulator protein	1.21 *	1.32 *	1.54 *	1.36 *	1.17 *	1.09	1.25 *	1.23 *	1.26 *	1.52 *
secDF	preprotein translocase component SecDF	1.32 *	1.26 *	1.11	1.20 *	1.11	1.18	1.02 †	1.23 *	1.54 *	1.17
flr	formyl peptide receptor-like 1 inhibitory protein	1.36	0.92 †	0.76 †	1.45 †	0.87 †	1.47 †	0.95 †	1.37 †	0.61 *†	0.94 †
	WalKR/ SaeSR regulated										
splF	serine protease SplF	1.85 *	1.12	**7.57 ***	1.44 *	1.09	**7.69 ***	**5.48 ***	**3.23 ***	**3.23 ***	**12.9 ***
hlgA	gamma-hemolysin component A	1.71 *	1.43	**4.99 ***	**12.03 ***	**4.17 ***	**5.82 ***	**8.04 ***	**4.07 ***	**6.12 ***	**6.17 ***
hlgC	gamma-hemolysin component C	1.48	2.29 *	**3.38 ***	**6.52 ***	**3.27 ***	**4.01 ***	**3.81 ***	1.93 *	2.24 *	2.17 *
hlgB	gamma hemolysin component B	1.67	1.90	**3.40 ***	**4.95 ***	**3.11 ***	**4.11 ***	**5.61 ***	1.99	1.80	2.54 *
splB	serine protease SplB	1.58 *	**3.32 ***	**4.25 *†**	2.47 *	1.43 *	2.48 *	2.67 *	**3.34 *†**	1.4 *†	**5.34 ***
fnbB	fibronectin binding protein B precursor	1.30	0.90	2.13 *	2.01 *	**3.52 ***	2.65 *	2.49 *†	2.01 *	2.28 *†	1.62 *
coa	coagulase precursor	1.13	1.12	1.23	1.58	**3.24 ***	2.04 *	1.70	1.23	1.95 *	1.41
NWMN_0677	hypothetical protein	1.47 *	1.20	1.20	2.58 *	1.96 *	2.22 *	2.56 *	1.27 *	1.68 *	1.61 *
chp	chemotaxis-inhibiting protein CHIPS	1.35 †	2.17 *	1.20 †	0.71 *†	0.66 *†	1.09 *†	1.04 *†	2.57 *	0.93 *†	1.18 †
hla	alpha-hemolysin precursor	1.22	1.43	1.76	1.95	2.06	1.22	1.25	1.66	1.16	1.15
sbi	immunoglobulin G-binding protein Sbi	1.25	1.24	1.70 *	1.13	1.23	1.81 *	1.94 *	1.30	1.65 *	1.53 *
saeR	DNA-binding response regulator SaeR	1.40 *	1.03	1.68 *	1.78 *	1.37 *	1.64 *	1.46 *	1.65 *	1.54 *†	1.56 *†
saeS	sensor histidine kinase SaeS	1.27 *	1.10 *	1.53 *	1.5 *	1.25 *	1.63 *	1.34 *	1.43 *	1.56 *	1.40 *
NWMN_0676	hypothetical protein	1.32 *	1.44 *	1.58 *	1.51 *	1.52 *	1.51 *	1.28 *	1.24 *	1.47 *	1.58 *†
efb (fib)	similar to fibrinogen-binding protein	1.20	1.00 †	1.23	1.42 *	1.39 *	1.51 *	1.37 *	1.22	1.33 *	1.23

scn	staphylococcal complement inhibitor SCIN	1.43	1.46	0.89 [+]	1.09 [+]	1.30 [+]	1.05 [+]	0.92 [+]	1.18	1.38	1.15

Supp. Table 4: Oligonucleotides used for this study.

#	Primer	Description	Sequence
1	3Sol_N	Random hexamer (N) + adapter for RNAseq cDNA synthesis	5'- GCTCTTCCGATCTNNNNNN - 3'
2	3Sol	amplification of RNAseq cDNA library	5' - GCTCTTCCGATCT - 3'
3	SolM1	generation of Illumina library	5' - AATGATACGGGCGACCACCGAGATCTACACTCTTTC CCTACACGACGCTCTTCCGATCT - 3'
4	SolM2	barcoding of Illumina library (barcode nucleotide 'X')	5' - CAAGCAGAAGACGGCATACGAGATXXXXXXXGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATCT - 3'
5	5SolM1_18	Hot-start primer for amplification of Illumina library	5' - AATGATACGGCGACCACC - 3'
6	5SolM2_19	Hot-start primer for amplification of Illumina library	5' - CAAGCAGAAGACGGCATAC - 3'


OD600
2.0
1.5
1.0
0.5
0
20
40
60
80
100
120
Time (min)
Control
0.39 µg/mL brilacidin
0.78 µg/mL brilacidin
1.17 µg/mL brilacidin
2 µg/mL daptomycin
4 µg/mL daptomycin
6 µg/mL daptomycin
2 µg/mL LL16
4 µg/mL LL16
6 µg/mL LL16