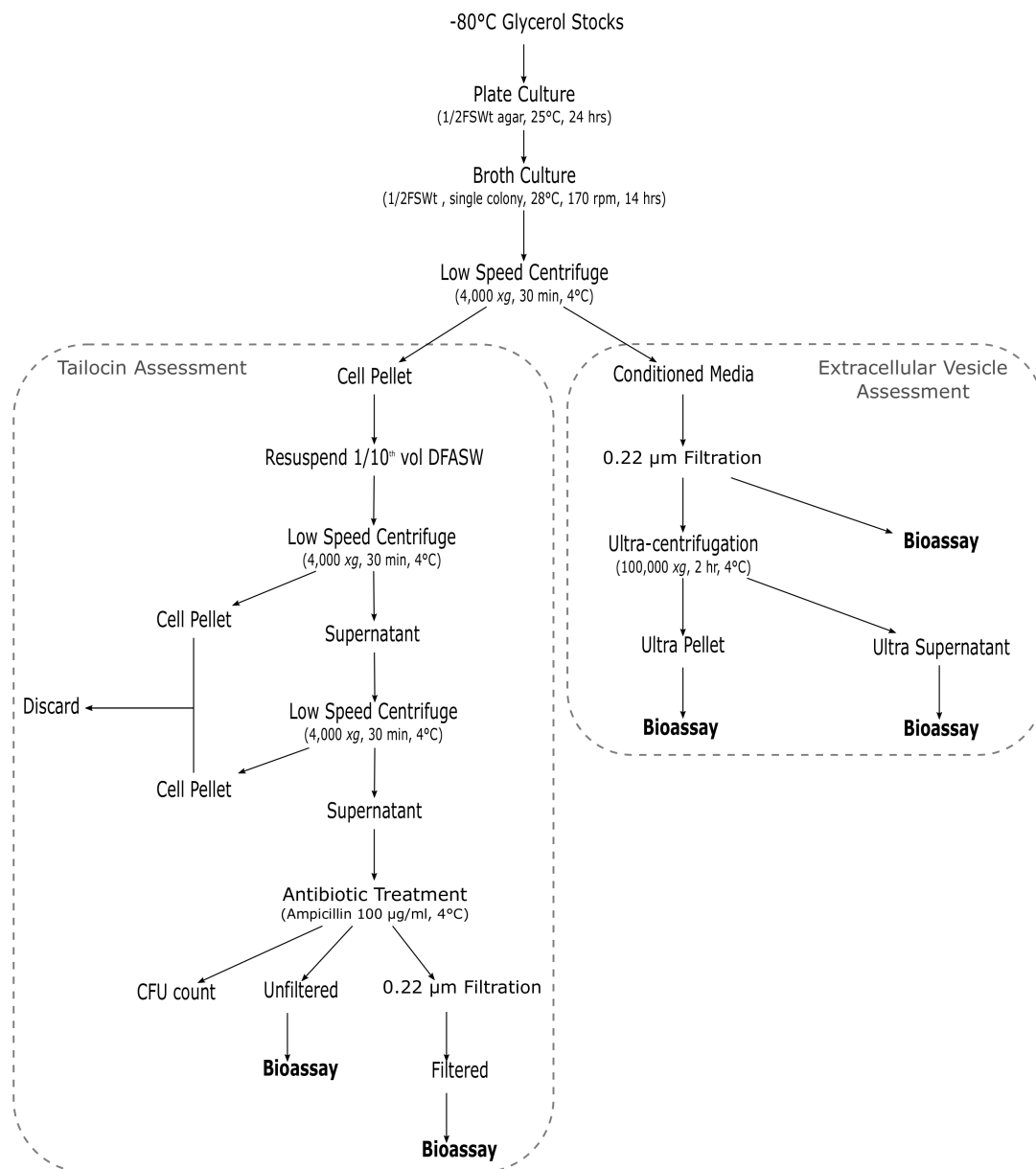


**Supplementary Material for:  
Induction of Invertebrate Larval Settlement; Different  
Bacteria, Different Mechanisms?**

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## Experimental Scheme



**Figure 1.** Flow chart of methodology for both tailocin and extracellular vesicle assessments identifying bioassay samples. Methodology was followed in side by side preparations for all four bacterial species (*P. luteoviolacea*, *C. lytica*, *B. aquimaris* and *S. warneri*).

## Genomic Assessment Tables

ORF Name	Amino Acid Accession Num.	Protein Name	Length (Amino Acids)
MacS	AHX39703.1	Phage Tail Sheath Protein FI	581
MacT2	AHX39702.1	t4-like Virus Tail Tube Protein	148
MacT1	AHX39701.1	t4-like Virus Tail Tube Protein	153
MacB (ORF1)	AHX39695.1	Baseplate J-like Protein	1070
ORF2	AHX39694.1	Hypothetical Protein	890
ORF3	AHX39693.1	Hypothetical Protein	1671
JF50_12590	AHX39721.1	Hypothetical Protein	139
JF50_12595	AHX39720.1	Hypothetical Protein	135
JF50_12600	AHX39719.1	Hypothetical Protein	131
JF50_12605	AHX39718.1	Hypothetical Protein	747
JF50_12610	AHX39717.1	Hypothetical Protein	496
JF50_12615	AHX39716.1	Hypothetical Protein	943

**Table 1.** Inductive genes from *Pseudoalteromonas luteoviolacea*. ORF, Open Reading Frame

ORF Name	Query Coverage (%)	Identity (%)	e-Value	Accession Number of Best Amino Acid Hit
MacS	12	30	0.68	WP_051983455.1
MacT2	39	23	4.5	WP_013621992.1
MacT1	37	28	0.64	WP_013619596.1
MacB (ORF1)	9	26	0.49	WP_051983451.1
ORF2	7	28	0.17	WP_051983452.1
ORF3	6	35	0.35	WP_051983429.1
JF50_12590	NA	NA	NA	No Hits
JF50_12595	NA	NA	NA	No Hits
JF50_12600	NA	NA	NA	No Hits
JF50_12605	NA	NA	NA	No Hits
JF50_12610	NA	NA	NA	No Hits
JF50_12615	NA	NA	NA	No Hits

**Table 2.** Summary of BLAST searches in genome of *C. lytica*. ORF, Open Reading Frame

ORF Name	Query Coverage (%)	Identity (%)	e-Value	Accession Number of Best Amino Acid Hit
MacS	5	35	0.53	WP_044339398.1
MacT2	NA	NA	NA	No Hits
MacT1	13	43	2.3	WP_044339905.1
MacB (ORF1)	4	23	3.7	WP_044337912.1
ORF2	NA	NA	NA	No Hits
ORF3	NA	NA	NA	No Hits
JF50_12590	58	24	4.9	WP_064090927.1
JF50_12595	NA	NA	NA	No Hits
JF50_12600	NA	NA	NA	No Hits
JF50_12605	8	33	2	WP_032088594.1
JF50_12610	6	46	4.5	WP_64091692.1
JF50_12615	5	37	4	WP_64094184.1

**Table 3.** Summary of BLAST searches in genome of *B. aquimaris*. ORF, Open Reading Frame

ORF Name	Query Coverage (%)	Identity (%)	e-Value	Accession Number of Best Amino Acid Hit
MacS	NA	NA	NA	No Hits
MacT2	NA	NA	NA	No Hits
MacT1	NA	NA	NA	No Hits
MacB (ORF1)	2	3	0.098	WP_002451828.1
ORF2	NA	NA	NA	No Hits
ORF3	3	36	0.48	WP_002451828.1
JF50_12590	15	43	6.2	WP_015364611.1
JF50_12595	NA	NA	NA	No Hits
JF50_12600	NA	NA	NA	No Hits
JF50_12605	2	45	2.1	WP_002466879.1
JF50_12610	NA	NA	NA	No Hits
JF50_12615	6	28	8.7	WP_002466879.1

**Table 4.** Summary of BLAST searches in genome of *S. warneri*. ORF, Open Reading Frame