

APPENDICES

Appendix I Optical density (OD) of growth controls for seven bacteria tested

Bacteria	Optical Density at 630 nm (mean, n=10)	
	Before Incubation	After Incubation
<i>S. aureus</i>	0.0417	0.7053
MRSA	0.0453	1.0433
<i>S. epidermidis</i>	0.0423	0.7867
<i>S. pyogenes</i>	0.0423	0.5173
<i>K. pneumoniae</i>	0.0422	0.8334
<i>P. aeruginosa</i>	0.0429	1.4895
<i>E. coli</i>	0.0439	1.2227

Appendix II Optical density (OD) of test samples for seven bacteria tested

Bacteria	Optical Density at 630 nm (mean, n=10)	
	Before Incubation	After Incubation
<i>S. aureus</i>	2.1369	3.8720
MRSA	2.1448	3.8223
<i>S. epidermidis</i>	2.1308	3.1144
<i>S. pyogenes</i>	2.1853	2.8015
<i>K. pneumoniae</i>	2.1675	2.3925
<i>P. aeruginosa</i>	2.1639	3.3291
<i>E. coli</i>	2.1668	2.6622

Appendix III Multiple comparisons of antibacterial potency of *L. cuprina* larval extract against seven selected bacteria using Tukey's HSD post-hoc test

Bacterial Species (I)	Bacterial Species (J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
<i>S. aureus</i> (SA)	MRSA	-2.7980	.94853	.064	-5.6868	.0908
	SE	-2.8660	.94853	.053	-5.7548	.0228
	SP	-.0050	.94853	1.000	-2.8938	2.8838
	KP	-5.2340(*)	.94853	.000	-8.1228	-2.3452
	PA	-6.4280(*)	.94853	.000	-9.3168	-3.5392
	EC	-6.4120(*)	.94853	.000	-9.3008	-3.5232
MRSA	SA	2.7980	.94853	.064	-.0908	5.6868
	SE	-.0680	.94853	1.000	-2.9568	2.8208
	SP	2.7930	.94853	.065	-.0958	5.6818
	KP	-2.4360	.94853	.154	-5.3248	.4528
	PA	-3.6300(*)	.94853	.005	-6.5188	-.7412
	EC	-3.6140(*)	.94853	.006	-6.5028	-.7252
<i>S. epidermidis</i> (SE)	SA	2.8660	.94853	.053	-.0228	5.7548
	MRSA	.0680	.94853	1.000	-2.8208	2.9568
	SP	2.8610	.94853	.054	-.0278	5.7498
	KP	-2.3680	.94853	.178	-5.2568	.5208
	PA	-3.5620(*)	.94853	.007	-6.4508	-.6732
	EC	-3.5460(*)	.94853	.007	-6.4348	-.6572
<i>S. pyogenes</i> (SP)	SA	.0050	.94853	1.000	-2.8838	2.8938
	MRSA	-2.7930	.94853	.065	-5.6818	.0958
	SE	-2.8610	.94853	.054	-5.7498	.0278
	KP	-5.2290(*)	.94853	.000	-8.1178	-2.3402
	PA	-6.4230(*)	.94853	.000	-9.3118	-3.5342
	EC	-6.4070(*)	.94853	.000	-9.2958	-3.5182
<i>K. pneumoniae</i> (KP)	SA	5.2340(*)	.94853	.000	2.3452	8.1228
	MRSA	2.4360	.94853	.154	-.4528	5.3248
	SE	2.3680	.94853	.178	-.5208	5.2568
	SP	5.2290(*)	.94853	.000	2.3402	8.1178
	PA	-1.1940	.94853	.868	-4.0828	1.6948
	EC	-1.1780	.94853	.875	-4.0668	1.7108
<i>P. aeruginosa</i> (PA)	SA	6.4280(*)	.94853	.000	3.5392	9.3168
	MRSA	3.6300(*)	.94853	.005	.7412	6.5188
	SE	3.5620(*)	.94853	.007	.6732	6.4508
	SP	6.4230(*)	.94853	.000	3.5342	9.3118
	KP	1.1940	.94853	.868	-1.6948	4.0828
	EC	.0160	.94853	1.000	-2.8728	2.9048
<i>E. coli</i> (EC)	SA	6.4120(*)	.94853	.000	3.5232	9.3008
	MRSA	3.6140(*)	.94853	.006	.7252	6.5028
	SE	3.5460(*)	.94853	.007	.6572	6.4348
	SP	6.4070(*)	.94853	.000	3.5182	9.2958
	KP	1.1780	.94853	.875	-1.7108	4.0668
	PA	-.0160	.94853	1.000	-2.9048	2.8728

Appendix IV Optical density (OD) of bacterial suspensions before overnight incubation for Minimum Inhibitory Concentration Assay

Bacterial	Optical Density at 630 nm (mean, n=5)									
	W1	W2	W3	W4	W5	W6	W7	W8	Positive Control	Negative Control
<i>S. aureus</i>	1.041	0.512	0.260	0.202	0.116	0.103	0.066	0.062	0.052	1.589
MRSA	1.028	0.697	0.404	0.221	0.135	0.096	0.093	0.067	0.052	1.539
<i>S. epidermidis</i>	1.106	0.669	0.359	0.297	0.221	0.105	0.100	0.078	0.056	1.483
<i>S. pyogenes</i>	1.006	0.668	0.363	0.201	0.129	0.105	0.094	0.067	0.053	1.170
<i>K. pneumonia</i>	0.947	0.540	0.345	0.217	0.125	0.084	0.067	0.055	0.054	1.365
<i>P. aeruginosa</i>	0.852	0.717	0.391	0.231	0.148	0.116	0.081	0.095	0.054	1.491
<i>E. coli</i>	0.835	0.562	0.282	0.226	0.151	0.114	0.085	0.061	0.054	1.280

Appendix V Optical density (OD) of bacterial suspensions after overnight incubation for Minimum Inhibitory Concentration Assay

Bacterial	Optical Density at 630 nm (mean, n=5)									
	W1	W2	W3	W4	W5	W6	W7	W8	Positive Control	Negative Control
<i>S. aureus</i>	1.602	0.998	0.707	0.572	0.664	0.608	0.572	0.753	0.774	1.723
MRSA	1.388	1.443	0.817	1.028	0.786	0.900	0.910	0.787	0.843	1.616
<i>S. epidermidis</i>	1.471	1.472	0.919	0.944	0.983	0.805	0.974	1.162	0.718	1.612
<i>S. pyogenes</i>	1.258	1.122	0.737	0.627	0.550	0.695	0.755	0.588	0.668	1.384
<i>K. pneumonia</i>	1.274	0.999	0.972	0.768	0.923	0.868	1.198	1.246	1.036	1.461
<i>P. aeruginosa</i>	1.035	1.651	1.001	0.845	1.114	1.168	1.013	1.508	1.686	1.640
<i>E. coli</i>	1.327	1.523	1.244	1.192	1.283	1.063	1.172	1.098	1.210	1.472

Appendix VI Optical density (OD) of bacterial suspensions incubated with 13 months old larval extract

Bacteria	Optical Density at 630 nm (mean, n=5)	
	Before Incubation	After Incubation
<i>S. aureus</i>	2.0356	2.7726
MRSA	2.1354	2.8448
<i>S. epidermidis</i>	2.1266	2.8481
<i>S. pyogenes</i>	2.2012	3.1434
<i>K. pneumoniae</i>	2.2838	2.2980
<i>P. aeruginosa</i>	2.1096	2.6368
<i>E. coli</i>	2.0886	3.1659

Appendix VII Optical density (OD) of bacterial suspensions incubated with boiled larval extract

Bacteria	Optical Density at 630 nm (mean, n=5)	
	Before Incubation	After Incubation
<i>S. aureus</i>	2.1202	2.2160
MRSA	2.1368	2.3141
<i>S. epidermidis</i>	2.1604	2.3865
<i>S. pyogenes</i>	2.1096	2.1882
<i>K. pneumoniae</i>	2.1044	2.2225
<i>P. aeruginosa</i>	2.1594	2.7905
<i>E. coli</i>	2.1460	2.4278

Appendix VIII Optical density (OD) of bacterial suspensions incubated with autoclaved larval extract

Bacteria	Optical Density at 630 nm (mean, n=5)	
	Before Incubation	After Incubation
<i>S. aureus</i>	2.0686	2.6678
MRSA	1.9598	2.1764
<i>S. epidermidis</i>	2.0124	2.6474
<i>S. pyogenes</i>	2.1384	2.6634
<i>K. pneumoniae</i>	2.0870	2.5878
<i>P. aeruginosa</i>	2.1092	3.0615
<i>E. coli</i>	2.1036	2.8092

Appendix IX Optical density (OD) of bacterial suspensions incubated with freeze-thawed larval extract

Bacteria	Optical Density at 630 nm (mean, n=5)	
	Before Incubation	After Incubation
<i>S. aureus</i>	2.1174	3.1070
MRSA	2.1132	2.7133
<i>S. epidermidis</i>	2.1470	2.7653
<i>S. pyogenes</i>	2.1754	2.6343
<i>K. pneumoniae</i>	2.1736	2.3879
<i>P. aeruginosa</i>	2.1924	3.0613
<i>E. coli</i>	2.2070	3.1463