

**S3 Table.** Statistical analysis of gene expression of AMPs primed by non-pathogenic bacteria (Fig 3).

Gene	Species	Hours	Comparison	P-value	ANOVA summary			
Diptericin-A	<i>Ec</i>	0	LB vs. <i>Ec</i> + <i>MI</i>	0.6175	F	1.435		
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.5522				
		6	LB vs. <i>Ec</i> + <i>MI</i>	0.3707			P value	0.252
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.7986			P value summary	ns
		24	LB vs. <i>Ec</i> + <i>MI</i>	0.0658			Significant diff. among means (P < 0.05)?	No
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.0208			R square	0.4031
	<i>Pl</i>	0	LB vs. <i>Ec</i> + <i>MI</i>	0.7838	F	2.931		
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.9657				
		6	LB vs. <i>Ec</i> + <i>MI</i>	0.9689			P value	0.0347
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.9568			P value summary	*
		24	LB vs. <i>Ec</i> + <i>MI</i>	0.0218			Significant diff. among means (P < 0.05)?	Yes
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.0083			R square	0.6099
	<i>Pa</i>	0	LB vs. <i>Ec</i> + <i>MI</i>	0.8972	F	10.84		
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.9263				
		6	LB vs. <i>Ec</i> + <i>MI</i>	0.9705			P value	<0.0001
LB vs. HK <i>Ec</i> + <i>MI</i>			0.9098	P value summary			****	
24		LB vs. <i>Ec</i> + <i>MI</i>	<0.0001	Significant diff. among means (P < 0.05)?			Yes	
		LB vs. HK <i>Ec</i> + <i>MI</i>	0.0009	R square			0.8525	
Drosomycin	<i>Ec</i>	0	LB vs. <i>Ec</i> + <i>MI</i>	0.1527	F	1.991		
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.2586				
		6	LB vs. <i>Ec</i> + <i>MI</i>	0.7945			P value	0.1073
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.1729			P value summary	ns
		24	LB vs. <i>Ec</i> + <i>MI</i>	0.0423			Significant diff. among means (P < 0.05)?	No
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.009			R square	0.4695
	<i>Pl</i>	0	LB vs. <i>Ec</i> + <i>MI</i>	0.5675	F	2.945		
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.3189				
		6	LB vs. <i>Ec</i> + <i>MI</i>	0.6849			P value	0.0341
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.9758			P value summary	*
		24	LB vs. <i>Ec</i> + <i>MI</i>	0.0089			Significant diff. among means (P < 0.05)?	Yes
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.9249			R square	0.611
	<i>Pa</i>	0	LB vs. <i>Ec</i> + <i>MI</i>	0.6532	F	4.317		
			LB vs. HK <i>Ec</i> + <i>MI</i>	0.4563				
		6	LB vs. <i>Ec</i> + <i>MI</i>	0.9623			P value	0.0054
LB vs. HK <i>Ec</i> + <i>MI</i>			0.8202	P value summary			**	
24		LB vs. <i>Ec</i> + <i>MI</i>	0.001	Significant diff. among means (P < 0.05)?			Yes	
		LB vs. HK <i>Ec</i> + <i>MI</i>	0.8682	R square			0.6701	

ns: not significant