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APPENDIX

APPENDIX A

Table A1 Raw data and relative expression levels of *PmCOMT* in different ovarian developmental stages of *P. monodon* based on semiquantitative RT-PCR analysis

Sample Groups	Densities of bands		Relative expression levels	Average	STDEV
	<i>EF-1α</i>	<i>PmCOMT</i>			
JNTT1	8249.03	1827.33	0.2215	0.3974	0.1821
JNTT2	6714.92	1738.63	0.2589		
JNTT3	6741.12	3756.57	0.5572		
JNTT4	5515.56	3044.72	0.5520		
BSTT1	7393.83	5431.79	0.7346	0.5595	0.2841
BSTT2	5267.18	4523.89	0.8588		
BSTT3	5113.62	1296.89	0.2536		
BSTT4	5545.39	2169.03	0.3911		
JNOV1	5771.42	20573.11	3.5646	3.2787	0.2695
JNOV2	6856.18	20915.73	3.0506		
JNOV3	6551.97	22623.12	3.4528		
JNOV4	5684.59	17319.34	3.0467		
BSOV1	5710.82	11014.18	1.9286	1.6116	0.4066
BSOV2	7695.28	21628.15	2.8105		
BSOV3	7033.19	14033.82	1.9953		
BSOV4	6255.73	13192.59	2.1088		

Table A2 Raw data and relative expression levels of *PmFAMeT* in different ovarian developmental stages of *P. monodon* based on semiquantitative RT-PCR analysis

Sample Groups	Densities of bands		Relative expression levels	Average	STDEV
	<i>EF-1α</i>	<i>PmFAMeT</i>			
JNTT1	8249.03	1827.33	0.2215	0.3974	0.1821
JNTT2	6714.92	1738.63	0.2589		
JNTT3	6741.12	3756.57	0.5572		
JNTT4	5515.56	3044.72	0.5520		
BSTT1	7393.83	5431.79	0.7346	0.5595	0.2841
BSTT2	5267.18	4523.89	0.8588		
BSTT3	5113.62	1296.89	0.2536		
BSTT4	5545.39	2169.03	0.3911		
JNOV1	5771.42	20573.11	3.5646	3.2787	0.2695
JNOV2	6856.18	20915.73	3.0506		
JNOV3	6551.97	22623.12	3.4528		
JNOV4	5684.59	17319.34	3.0467		
BSOV1	5710.82	11014.18	1.9286	1.6116	0.4066
BSOV2	7695.28	21628.15	2.8105		
BSOV3	7033.19	14033.82	1.9953		
BSOV4	6255.73	13192.59	2.1088		

Table A3 Raw data and relative expression levels of *PmBr-C ZI* in different ovarian developmental stages of *P. monodon* based on semiquantitative RT-PCR analysis

Sample Groups	Densities of bands		Relative expression levels	Average	STDEV
	<i>EF-1α</i>	<i>PmBr-C ZI</i>			
JNTT1	8249.03	1608.72	0.1950	0.2876	0.0711
JNTT2	6714.92	1998.19	0.2975		
JNTT3	6741.12	1953.70	0.2898		
JNTT4	5515.56	2031.05	0.3682		
BSTT1	7393.83	1616.51	0.2186	0.2609	0.0505
BSTT2	5267.18	1329.98	0.2525		
BSTT3	5113.62	1221.83	0.2389		
BSTT4	5545.39	1851.25	0.3338		
JNOV1	5771.42	8110.71	1.4053	1.2458	0.1067
JNOV2	6856.18	8265.27	1.2055		
JNOV3	6551.97	7799.91	1.1904		
JNOV4	5684.59	6720.77	1.1822		
BSOV1	5710.82	7470.56	1.3081	1.0984	0.1748
BSOV2	7695.28	8965.95	1.1651		
BSOV3	7033.19	7111.09	1.0110		
BSOV4	6255.73	5689.67	0.9095		

Table A4 Raw data and relative expression levels of *PmBr-C Z4* in different ovarian developmental stages of *P. monodon* based on semiquantitative RT-PCR analysis

Sample Groups	Densities of bands		Relative expression levels	Average	STDEV
	<i>EF-1α</i>	<i>PmBr-C Z4</i>			
JNTT1	8249.03	1565.10	0.2330	0.1404	0.0795
JNTT2	6714.92	1009.11	0.1496		
JNTT3	6741.12	774.43	0.1401		
JNTT4	5515.56	1002.05	0.1355		
BSTT1	7393.83	741.90	0.1408	0.1012	0.0445
BSTT2	5267.18	410.50	0.0802		
BSTT3	5113.62	269.11	0.0480		
BSTT4	5545.39	5305.15	0.9192		
JNOV1	5771.42	4668.93	0.6809	0.8544	0.3060
JNOV2	6856.18	3680.79	0.5617		
JNOV3	6551.97	7138.42	1.2557		
JNOV4	5684.59	2398.80	0.4200		
BSOV1	5710.82	3964.76	0.5152	0.4509	0.05366
BSOV2	7695.28	3327.16	0.4730		
BSOV3	7033.19	2474.65	0.3955		
BSOV4	6255.73	1565.10	0.2330		

Biography

Mr. Arun Buaklin was born on January 31, 1980 in Sukhothai Province, Thailand. He graduated with the degree of Bachelor of Science (Biotechnology) from Chiang mai University in 2002 and the degree of Master of Science (Biotechnology) at the Program of Biotechnology, Chulalongkorn University in 2006.



