

**Whole transcriptome sequencing and biomineralization gene  
architecture associated with cultured pearl quality traits in the pearl  
oyster, *Pinctada margaritifera***

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Figure S1.

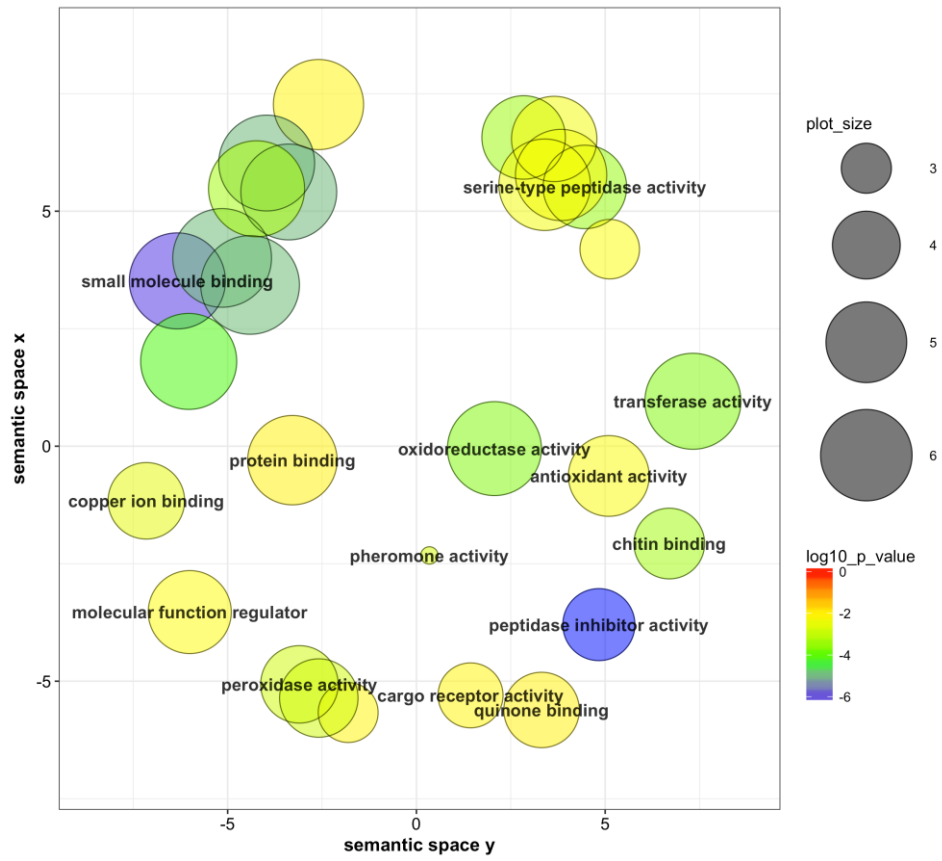


Figure S1: Summarized REVIGO semantic plot for gene ontology enrichment analysis

Figure S2.

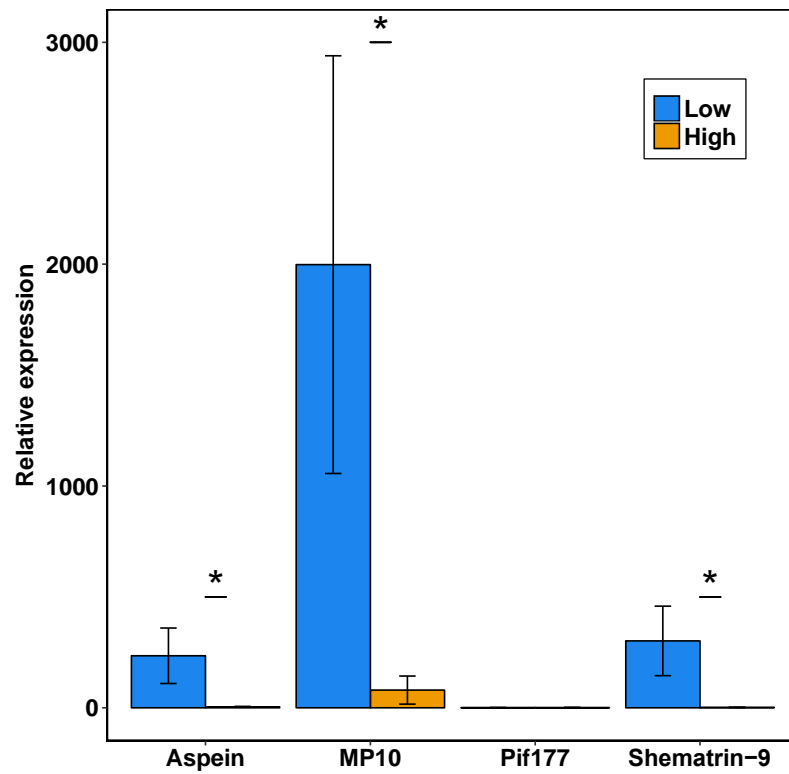


Figure S2: Relative gene expression for biomineralization genes analysed by qPCR in the pearl sac of *P. margaritifera*. Values are expressed as means of relative expression  $\pm$  standard deviation. Asterisks indicate significant differences (Wilcoxon test,  $p$ -value < 0.01).

Table S1.

Table S1: *P. margaritifera* individuals used for the transcriptome assembly. NA = Not identified.

<b>Individuals</b>	<b>Tissue</b>	<b>Sex / colour / age</b>	<b>Nb. Raw PE reads (x10<sup>6</sup>)</b>	<b>Nb. Filtered PE reads (x10<sup>6</sup>)</b>
HI.4112.001.D707---D506.X4	mantle	NA / orange / adult	36.40	32.78
HI.4112.001.D707---D507.X6	mantle	NA / black/ adult	33.87	30.60
HI.4112.001.D708---D504.X13	mantle	NA/ albinos / adult	32.62	29.52
HI.4112.002.D710---D502.X19	mantle	NA / red / adult	33.15	30.23
HI.4112.002.D710---D503.X21	mantle	NA / yellow / adult	30.87	28.40
HI.4112.002.D711---D501.X30	mantle	NA / green / adult	37.62	34.67
SRR1039667_sample123	gonad	Male / NA / adult	41.16	37.00
SRR1041217_sample144	gonad	Female / NA / adult	38.57	36.92
HI.4274.008.Index_15.TB2	whole	NA / black/ juvenile	22.12	19.33
HI.4274.008.Index_7.TB9	whole	NA / black / juvenile	40.21	31.83

Table S2.

Table S2: Complete list and statistics on differentially expressed genes and their annotation.

Gene	Log 2FC	FDR	Uniprot Accession	Uniprot ID	<i>P. fucata</i>	<i>C. gigas</i>	Best hit
TRINITY_DN301 64_c0_g1_i1	- 5.41	4.42 E-05			pfu_aug1.0_1659. 1_08045.t1		pfu_aug1.0_1659. 1_08045.t1
TRINITY_DN441 25_c0_g1_i1	1.99	5.97 E-03			pfu_aug1.0_48073 .1_63315.t1	XP_0199 22388.1	pfu_aug1.0_48073 .1_63315.t1
TRINITY_DN466 43_c0_g1_i1	- 4.23	9.77 E-08					
TRINITY_DN486 25_c0_g1_i1	- 3.97	2.49 E-04					
TRINITY_DN491 74_c0_g1_i2	- 1.23	2.55 E-03	P17809	GTR1_M OUSE	pfu_aug1.0_28228 .1_47878.t1	XP_0114 39053.1	XP_011439053.1
TRINITY_DN500 08_c0_g1_i2	- 7.51	2.99 E-05	P18428	LBP_HU MAN	pfu_aug1.0_5178. 1_30885.t1		pfu_aug1.0_5178. 1_30885.t1
TRINITY_DN525 60_c0_g1_i2	- 4.25	9.42 E-10			pfu_aug1.0_7934. 1_45765.t1		pfu_aug1.0_7934. 1_45765.t1
TRINITY_DN530 30_c0_g1_i2	- 6.59	1.32 E-20			pfu_aug1.0_5514. 1_23808.t1	XP_0114 34249.1	pfu_aug1.0_5514. 1_23808.t1
TRINITY_DN533 06_c0_g1_i1	- 2.33	9.40 E-06			pfu_aug1.0_25579 .1_69718.t1	XP_0114 44699.1	pfu_aug1.0_25579 .1_69718.t1
TRINITY_DN535 85_c0_g1_i1	1.41	9.92 E-03			pfu_aug1.0_4062. 1_01612.t1	XP_0114 52003.1	pfu_aug1.0_4062. 1_01612.t1
TRINITY_DN539 77_c0_g1_i1	- 1.31	3.15 E-05	Q7YT83	TX31_CO NTE	pfu_aug1.0_163.1 _36325.t1	XP_0114 49941.1	XP_011449941.1
TRINITY_DN546 07_c0_g1_i1	- 1.93	7.45 E-03	P04111	SPE2C_S TRPU	pfu_aug1.0_49599 .1_56078.t1	XP_0114 49110.1	pfu_aug1.0_49599 .1_56078.t1
TRINITY_DN556 17_c0_g1_i1	- 2.52	3.94 E-03					
TRINITY_DN557 26_c0_g1_i1	- 4.61	7.25 E-03			pfu_aug1.0_507.1 _36562.t1		pfu_aug1.0_507.1 _36562.t1
TRINITY_DN560 49_c0_g1_i2	- -2.4	3.40 E-03					
TRINITY_DN563 42_c0_g1_i3	- 4.61	6.00 E-08			pfu_aug1.0_15024 .1_25368.t1	XP_0114 29496.2	XP_011429496.2
TRINITY_DN565 85_c0_g1_i3	- -4.4	2.11 E-04			pfu_aug1.0_7358. 1_67675.t1	XP_0199 18517.1	XP_019918517.1
TRINITY_DN566 58_c0_g1_i1	- 2.74	2.80 E-06				XP_0114 55360.1	XP_011455360.1
TRINITY_DN566 98_c0_g2_i1	- -3.4	8.95 E-03	Q9ESN4	C1QL3_M OUSE	pfu_aug1.0_3850. 1_37727.t1	XP_0199 25362.1	pfu_aug1.0_3850. 1_37727.t1
TRINITY_DN568 73_c0_g1_i1	- 5.14	1.11 E-04	P86952	TYRO_PI NMA	pfu_aug1.0_12145 .1_17832.t1	XP_0114 53423.1	P86952
TRINITY_DN569 24_c0_g1_i2	- 5.61	9.34 E-10			pfu_aug1.0_7934. 1_45765.t1	XP_0114 12575.1	pfu_aug1.0_7934. 1_45765.t1
TRINITY_DN569 42_c0_g4_i1	- 4.28	6.92 E-03			pfu_aug1.0_5136. 1_59715.t1		pfu_aug1.0_5136. 1_59715.t1
TRINITY_DN570 84_c0_g1_i1	- 3.69	5.85 E-07					
TRINITY_DN571 65_c0_g1_i2	2.27	9.90 E-03	Q8BG95	MYPT2_ MOUSE	pfu_aug1.0_11910 .1_60958.t1	XP_0114 24650.1	pfu_aug1.0_11910 .1_60958.t1
TRINITY_DN574 83_c0_g1_i3	- 3.93	3.40 E-09			pfu_aug1.0_10954 .1_17695.t1	XP_0114 48815.2	XP_011448815.2
TRINITY_DN575 07_c0_g1_i3	- 5.11	1.04 E-09	Q06805	TIE1_BO VIN		XP_0114 52009.1	XP_011452009.1
TRINITY_DN576	-	2.60	P62810	WFD18_	pfu_aug1.0_102.1	XP_0114	pfu_aug1.0_102.1

89_c0_g4_i2	6.33	E-11		MOUSE	_29088.t1	53604.1	_29088.t1
TRINITY_DN578	-	1.92		PAL2_SO	pfu_aug1.0_1058.	XP_0199	pfu_aug1.0_1058.
28_c0_g1_i1	4.89	E-03	P31426	LTU	1_29550.t1	19705.1	1_29550.t1
TRINITY_DN578		3.99		USP26_L	pfu_aug1.0_4062.	XP_0114	pfu_aug1.0_4062.
98_c0_g1_i6	1.27	E-03	B3A0P4	OTGI	1_01612.t1	52008.1	1_01612.t1
TRINITY_DN579	-	1.04		PAX6_CO	pfu_aug1.0_406.1	XP_0114	
06_c0_g1_i10	1.24	E-05	P47238	TJA	_65408.t1	33289.1	XP_011433289.1
TRINITY_DN579		6.47		TYRO1_P	pfu_aug1.0_3212.	XP_0114	
58_c0_g2_i1	-4.2	E-04	H2A0L0	INMG	1_37533.t1	13535.1	H2A0L0
TRINITY_DN579	-	6.15			pfu_aug1.0_3134.	XP_0199	pfu_aug1.0_3134.
87_c0_g1_i1	4.31	E-03			1_59151.t1	26643.1	1_59151.t1
TRINITY_DN580	-	8.37			pfu_aug1.0_17748		pfu_aug1.0_17748
89_c0_g1_i2	1.26	E-03			.1_25649.t1		.1_25649.t1
TRINITY_DN582	-	2.29			pfu_aug1.0_20034	XP_0114	
61_c0_g1_i1	2.93	E-03			.1_33062.t1	28038.2	XP_011428038.2
TRINITY_DN583		2.38					
00_c1_g1_i1	5.1	E-03					
TRINITY_DN583	-	3.39		C1QL4_M	pfu_aug1.0_3137.	XP_0114	pfu_aug1.0_3137.
45_c0_g2_i2	1.28	E-03	Q4ZJM9	OUSE	1_37511.t1	11936.1	1_37511.t1
TRINITY_DN583	-	2.02			pfu_aug1.0_5628.	XP_0114	pfu_aug1.0_5628.
58_c0_g1_i1	3.34	E-03			1_52578.t1	16798.1	1_52578.t1
TRINITY_DN583	-	4.86			pfu_aug1.0_615.1		pfu_aug1.0_615.1
60_c0_g1_i1	2.52	E-04			_65547.t1		_65547.t1
TRINITY_DN586	-	4.42		PIF_PINF	pfu_aug1.0_170.1	XP_0199	pfu_aug1.0_170.1
08_c0_g1_i2	7.06	E-05	C7G0B5	U	_36339.t1	22070.1	_36339.t1
TRINITY_DN587		3.39			pfu_aug1.0_26254	XP_0114	
64_c0_g1_i3	2	E-03			.1_69760.t1	17252.1	XP_011417252.1
TRINITY_DN589	-	3.39			pfu_aug1.0_94684		pfu_aug1.0_94684
92_c0_g1_i1	1.01	E-03			.1_28039.t1		.1_28039.t1
TRINITY_DN590	-	2.28		MATN1_	pfu_aug1.0_10760	XP_0114	
22_c0_g1_i1	3.04	E-03	P05099	CHICK	7.1_49613.t1	32738.1	XP_011432738.1
TRINITY_DN592	-	8.28		FKB14_P	pfu_aug1.0_82.1_	XP_0114	
03_c0_g1_i3	2.86	E-20	Q5R941	ONAB	21956.t1	15688.1	XP_011415688.1
TRINITY_DN592	-	2.28		TEMPT_A	pfu_aug1.0_3412.	XP_0114	pfu_aug1.0_3412.
96_c0_g1_i2	2.72	E-03	Q7Z0T3	PLCA	1_51982.t1	48207.1	1_51982.t1
TRINITY_DN593	-	8.55					
01_c1_g2_i6	5.03	E-16					
TRINITY_DN593	-	8.37		DNAS1_B	pfu_aug1.0_1574.	XP_0199	pfu_aug1.0_1574.
68_c0_g1_i1	3.84	E-07	P00639	OVIN	1_29764.t1	28552.1	1_29764.t1
TRINITY_DN595	-	1.49			pfu_aug1.0_11553	XP_0114	pfu_aug1.0_11553
12_c0_g1_i1	3.68	E-08			.1_17768.t1	39845.1	.1_17768.t1
TRINITY_DN595	-	8.94				XP_0114	
86_c0_g1_i1	1.13	E-04				12656.1	XP_011412656.1
TRINITY_DN596	-	5.06					
21_c0_g1_i3	3.76	E-08					
TRINITY_DN596	-	7.45			pfu_aug1.0_4889.		pfu_aug1.0_4889.
68_c0_g1_i2	1.72	E-04			1_09005.t1		1_09005.t1
TRINITY_DN596	-	2.80		FKB1A_B	pfu_aug1.0_82.1_	XP_0114	
93_c5_g1_i2	3.26	E-10	P18203	OVIN	21957.t1	29379.1	XP_011429379.1
TRINITY_DN602		9.72		PTN4_MO	pfu_aug1.0_2526.	XP_0114	pfu_aug1.0_2526.
30_c0_g1_i3	1.34	E-03	Q9WU22	USE	1_23002.t1	29619.1	1_23002.t1
TRINITY_DN602		1.69					
58_c0_g1_i7	-2.5	E-06					
TRINITY_DN603	-	2.69			pfu_aug1.0_15.1_		pfu_aug1.0_15.1_
30_c2_g1_i7	2.38	E-05			14687.t1		14687.t1
TRINITY_DN606	-	2.18		USP1_PIN	pfu_aug1.0_12300	XP_0114	
60_c0_g1_i2	5.07	E-03	H2A0M4	MG	.1_32179.t1	56443.1	H2A0M4
TRINITY_DN606		8.25		ELDP2_PI	pfu_aug1.0_853.1	XP_0114	
84_c1_g1_i4	-4.7	E-22	H2A0L3	NMG	_22356.t1	37414.1	H2A0L3
TRINITY_DN609	-	2.32					

53_c0_g1_i9	4.37	E-03						
TRINITY_DN609	-	2.41				pfu_aug1.0_9677.1_38951.t1	XP_0114	12540.1
87_c0_g1_i1	1.32	E-04						pfu_aug1.0_9677.1_38951.t1
TRINITY_DN609	-	3.11				pfu_aug1.0_3838.1_37722.t1		pfu_aug1.0_3838.1_37722.t1
89_c9_g1_i1	7.01	E-11						
TRINITY_DN609	-	1.00				pfu_aug1.0_3838.1_37722.t1	XP_0199	25720.1
89_c9_g2_i2	5.64	E-26						pfu_aug1.0_3838.1_37722.t1
TRINITY_DN611	-	1.13				pfu_aug1.0_199.1_36374.t1	XP_0114	35143.1
35_c6_g2_i3	2.58	E-03						pfu_aug1.0_199.1_36374.t1
TRINITY_DN611	-	6.18						
68_c0_g1_i1	6.35	E-05						
TRINITY_DN611	-	3.53			SLP1_PIN	pfu_aug1.0_114185.1_13709.t1		
68_c0_g2_i1	-6.5	E-07	H2A0K8		MG			H2A0K8
TRINITY_DN615	-	3.01				pfu_aug1.0_10577.1_53557.t1		pfu_aug1.0_10577.1_53557.t1
36_c0_g1_i1	2.83	E-11						
TRINITY_DN616	-	2.87			FND1_PI	pfu_aug1.0_24139.1.1_43079.t1	XP_0114	
47_c4_g2_i4	2.51	E-04	H2A0L7		NMG			14106.1
TRINITY_DN617	-	8.47			MP_PINM	pfu_aug1.0_3035.1_59110.t1	XP_0114	
73_c2_g1_i4	4.97	E-03	H2A0K7		G			25195.1
TRINITY_DN618	-	6.00			PIF_PINF	pfu_aug1.0_2573.1_44416.t1	XP_0114	15561.1
52_c0_g1_i2	4.54	E-03	C7G0B5		U			1_44416.t1
TRINITY_DN618	-	2.52						
91_c2_g1_i2	3.45	E-04						
TRINITY_DN618	-	4.54				pfu_aug1.0_507.1_36561.t1		pfu_aug1.0_507.1_36561.t1
94_c0_g1_i2	5.29	E-05						
TRINITY_DN620	-	2.32			RTJK_DR	pfu_aug1.0_811.1_58262.t1	XP_0199	
46_c5_g3_i1	2.78	E-04	P21328		OME			20953.1
TRINITY_DN624	-	9.03						XP_019920953.1
40_c0_g3_i8	2.24	E-06						XP_011423627.2
TRINITY_DN625	-	2.85				pfu_aug1.0_10099.1_31878.t1		pfu_aug1.0_10099.1_31878.t1
77_c2_g1_i2	-3.3	E-03						
TRINITY_DN627	-	4.08						
82_c0_g1_i5	4.62	E-03						
TRINITY_DN629	-	1.18						
18_c0_g1_i2	-3.5	E-04						
TRINITY_DN629	-	6.99				pfu_aug1.0_28039.1_04619.t1	XP_0114	13496.2
54_c5_g1_i3	1.83	E-06						pfu_aug1.0_28039.1_04619.t1
TRINITY_DN631	-	6.05						
12_c4_g1_i1	2.25	E-04						
TRINITY_DN631	-	2.02			SLP2_PIN			
65_c1_g2_i6	5.42	E-03	P86950		MA			P86950
TRINITY_DN633	-	3.16						
06_c0_g1_i3	5.21	E-08						
TRINITY_DN633	-	7.14			WFDC8_	pfu_aug1.0_654.1_07616.t1	XP_0114	53771.1
85_c0_g1_i1	3.11	E-04	Q8IUA0		HUMAN			pfu_aug1.0_654.1_07616.t1
TRINITY_DN634	-	1.72				pfu_aug1.0_51875.1_41528.t1		pfu_aug1.0_51875.1_41528.t1
35_c3_g1_i14	1.39	E-03						
TRINITY_DN634	-	5.62				pfu_aug1.0_15966.1_10874.t1		pfu_aug1.0_15966.1_10874.t1
45_c0_g1_i5	-6.4	E-14						
TRINITY_DN634	-	5.05			SMUG1_		XP_0114	
68_c5_g1_i2	4.29	E-04	Q6P5C5		MOUSE			27768.1
TRINITY_DN638	-	1.33			PA2A2_H	pfu_aug1.0_1966.1_29917.t1	XP_0114	34510.2
78_c0_g1_i2	3.86	E-07	P80003		ELSU			1_29917.t1
TRINITY_DN639	-	1.04						
33_c4_g2_i1	5.88	E-03						
TRINITY_DN639	-	8.38				pfu_aug1.0_642.1_65556.t1		pfu_aug1.0_642.1_65556.t1
64_c9_g1_i3	3.55	E-04						
TRINITY_DN642	-	6.82			MOT12_H	pfu_aug1.0_3287.1_23283.t1	XP_0114	36919.1
20_c0_g1_i8	2.92	E-03	Q6ZSM3		UMAN			Q6ZSM3
TRINITY_DN643	-	2.90	Q09460		PDFR1_C	pfu_aug1.0_11471	XP_0114	pfu_aug1.0_11471

29_c0_g1_i1	1.06	E-06		AEEL	.1_68338.t1	32315.1	.1_68338.t1
TRINITY_DN644	-	2.25		NCP_PIN	pfu_aug1.0_12300		
98_c0_g1_i3	3.45	E-03	H2A0N2	MG	.1_32179.t1		H2A0N2
TRINITY_DN645	-	8.07			pfu_aug1.0_16145		pfu_aug1.0_16145
32_c0_g1_i4	3.13	E-03			.1_25491.t1		.1_25491.t1
TRINITY_DN647		2.91			pfu_aug1.0_7764.	XP_0114	pfu_aug1.0_7764.
26_c2_g1_i2	-3.5	E-04			1_60295.t1	21065.1	1_60295.t1
TRINITY_DN650	-	7.56			pfu_aug1.0_4701.		pfu_aug1.0_4701.
30_c0_g1_i1	2.76	E-04			1_08970.t1		1_08970.t1
TRINITY_DN652	-	1.80					
45_c2_g1_i14	6.38	E-04					
TRINITY_DN652	-	3.71		TYR3_CA	pfu_aug1.0_14315	XP_0114	
45_c3_g1_i1	3.78	E-12	Q19673	EEL	.1_54050.t1	29695.1	XP_011429695.1
TRINITY_DN654	-	8.59					
55_c1_g2_i1	1.35	E-05					
TRINITY_DN656	-	4.40			pfu_aug1.0_40012		pfu_aug1.0_40012
38_c0_g1_i1	5.51	E-07			.1_41153.t1		.1_41153.t1
TRINITY_DN658	-	5.38			pfu_aug1.0_7016.	XP_0199	
15_c0_g1_i6	5.21	E-03			1_24128.t1	24528.1	XP_019924528.1
TRINITY_DN659		2.46			pfu_aug1.0_346.1		pfu_aug1.0_346.1
78_c0_g1_i1	-5.9	E-15			_15012.t1		_15012.t1
TRINITY_DN659	-	6.11			pfu_aug1.0_346.1	XP_0199	pfu_aug1.0_346.1
78_c0_g2_i3	4.54	E-13			_15010.t1	19272.1	_15010.t1
TRINITY_DN660	-	1.35		TEMPT_A	pfu_aug1.0_1127.	XP_0114	
12_c5_g1_i1	3.61	E-10	Q7Z0T3	PLCA	1_65820.t1	42116.1	XP_011442116.1
TRINITY_DN660		2.54		ANKK1_	pfu_aug1.0_6386.	XP_0114	
44_c0_g2_i4	-3.3	E-04	Q8NFD2	HUMAN	1_67430.t1	13127.1	XP_011413127.1
TRINITY_DN660	-	9.72		TIMP3_M	pfu_aug1.0_4074.	XP_0114	pfu_aug1.0_4074.
70_c3_g6_i1	2.23	E-06	P39876	OUSE	1_59431.t1	47814.1	1_59431.t1
TRINITY_DN661	-	1.86					
96_c0_g2_i10	5.85	E-07					
TRINITY_DN661	-	5.41					
96_c1_g1_i8	5.75	E-04					
TRINITY_DN661	-	7.83					
96_c1_g2_i2	5.99	E-10					
TRINITY_DN662	-	3.28		NRP_PIN	pfu_aug1.0_1030.	XP_0114	pfu_aug1.0_1030.
82_c0_g1_i3	1.07	E-03	H2A0M0	MG	1_65747.t1	52008.1	1_65747.t1
TRINITY_DN663		7.01			pfu_aug1.0_48663		
87_c6_g1_i1	-4.9	E-13			.1_48682.t1		
TRINITY_DN665	-	1.07					
60_c0_g1_i7	6.26	E-05					
TRINITY_DN665	-	8.16			pfu_aug1.0_2774.		pfu_aug1.0_2774.
60_c0_g2_i3	4.68	E-05			1_15943.t1		1_15943.t1
TRINITY_DN665	-	2.40			pfu_aug1.0_28455	XP_0114	pfu_aug1.0_28455
74_c1_g1_i2	4.24	E-07			.1_26424.t1	19907.1	.1_26424.t1
TRINITY_DN667	-	6.82		TYRO1_P	pfu_aug1.0_4.1_5	XP_0199	pfu_aug1.0_4.1_5
63_c6_g1_i1	7.47	E-16	H2A0L0	INMG	7868.t1	28442.1	7868.t1
TRINITY_DN668	-	6.72		LORF2_M	pfu_aug1.0_12090	XP_0199	pfu_aug1.0_12090
22_c4_g3_i2	1.99	E-05	P11369	OUSE	.1_10410.t1	29360.1	.1_10410.t1
TRINITY_DN673		9.14			pfu_aug1.0_5615.	XP_0114	pfu_aug1.0_5615.
40_c0_g1_i2	1.81	E-04			1_59833.t1	48183.1	1_59833.t1
TRINITY_DN673	-	7.96		YTX2_XE	pfu_aug1.0_8402.	XP_0199	pfu_aug1.0_8402.
93_c1_g1_i8	1.28	E-03	P14381	NLA	1_38747.t1	27471.1	1_38747.t1
TRINITY_DN675		6.23			pfu_aug1.0_17656		pfu_aug1.0_17656
07_c1_g3_i1	4.6	E-04			.1_11055.t1		.1_11055.t1
TRINITY_DN675	-	8.37		CAH2_TR	pfu_aug1.0_22914	XP_0114	
58_c2_g1_i1	2.92	E-03	Q8UWA5	IHK	.1_33303.t1	35804.1	XP_011435804.1
TRINITY_DN675		9.84					
75_c0_g1_i5	-4.9	E-03					
TRINITY_DN676	-	4.85			pfu_aug1.0_1100.	XP_0114	pfu_aug1.0_1100.



00_c0_g1_i2	2.05	E-03			1_65803.t1	30170.1	1_65803.t1
TRINITY_DN676	-	9.33		DPGN_DI	pfu_aug1.0_8389.	XP_0114	pfu_aug1.0_8389.
35_c0_g1_i3	7.73	E-06	O96790	PMA	1_24384.t1	49182.1	1_24384.t1
TRINITY_DN676	-	2.71		SLP2_PIN			
39_c0_g2_i2	5.82	E-03	P86950	MA			P86950
TRINITY_DN679	-	3.26					
30_c2_g2_i3	5.53	E-14					
TRINITY_DN679	-	1.74		CLC4E_H	pfu_aug1.0_650.1	XP_0199	
98_c1_g1_i3	-7	E-06	Q9ULY5	UMAN	_65564.t1	20711.1	XP_019920711.1
TRINITY_DN680	-	8.76			pfu_aug1.0_79495	XP_0114	pfu_aug1.0_79495
04_c7_g3_i1	1.39	E-03			.1_13214.t1	21857.1	.1_13214.t1
TRINITY_DN680	-	4.28		CUBN_D	pfu_aug1.0_1973.	XP_0114	pfu_aug1.0_1973.
57_c0_g1_i2	2.85	E-05	Q9W332	ROME	1_08191.t1	37441.2	1_08191.t1
TRINITY_DN683	-	4.61			pfu_aug1.0_20147	XP_0114	
48_c0_g1_i1	4.07	E-03			.1_61975.t1	47607.1	XP_011447607.1
TRINITY_DN683	-	2.11			pfu_aug1.0_4930.		pfu_aug1.0_4930.
84_c0_g1_i1	1.51	E-04			1_52401.t1		1_52401.t1
TRINITY_DN688	-	7.68		MATN2_	pfu_aug1.0_759.1	XP_0114	pfu_aug1.0_759.1
23_c7_g2_i1	2.63	E-03	O08746	MOUSE	_15228.t1	15576.1	_15228.t1
TRINITY_DN689	-	2.46		VRP_PIN	pfu_aug1.0_89.1_	XP_0114	
17_c0_g3_i7	5.28	E-03	H2A0K6	MG	57967.t1	21288.1	H2A0K6
TRINITY_DN689	-	1.21					
63_c0_g1_i4	4.38	E-11					
TRINITY_DN690	-	1.56					
86_c1_g1_i1	2.46	E-03					
TRINITY_DN692	-	8.65			pfu_aug1.0_23958	XP_0114	pfu_aug1.0_23958
54_c0_g1_i3	2.35	E-03			.1_62267.t1	18688.1	.1_62267.t1
TRINITY_DN693	-	1.02					
60_c0_g1_i4	6.17	E-20					
TRINITY_DN693	-	1.46		WNT16_B	pfu_aug1.0_8897.	XP_0114	
80_c0_g1_i4	1.48	E-03	Q5E9U6	OVIN	1_53252.t1	23677.1	XP_011423677.1
TRINITY_DN693	-	9.42			pfu_aug1.0_25117	XP_0114	
86_c0_g1_i7	7.37	E-12			0.1_35896.t1	52816.1	XP_011452816.1
TRINITY_DN694	-	1.41		CHB_VIB	pfu_aug1.0_6745.	XP_0114	pfu_aug1.0_6745.
72_c2_g1_i2	3.14	E-04	P13670	HA	1_67527.t1	22975.1	1_67527.t1
TRINITY_DN698	-	1.73		FRRS1_M	pfu_aug1.0_1539.	XP_0114	pfu_aug1.0_1539.
10_c1_g1_i8	1.76	E-04	Q8K385	OUSE	1_08010.t1	32083.1	1_08010.t1
TRINITY_DN699	-	3.94			pfu_aug1.0_49139	XP_0199	pfu_aug1.0_49139
59_c1_g1_i3	1.89	E-04			.1_12675.t1	28755.1	.1_12675.t1
TRINITY_DN705	-	8.53		SGYQP_P	pfu_aug1.0_17386		
06_c2_g1_i1	4.63	E-03	H2A0L9	INMG	.1_69084.t1		H2A0L9
TRINITY_DN708	-	1.25		NEG1_NE	pfu_aug1.0_12836	XP_0114	pfu_aug1.0_12836
50_c0_g1_i2	2.54	E-03	Q7M4T0	UCR	.1_53866.t1	56351.1	.1_53866.t1
TRINITY_DN710	-	1.77			pfu_aug1.0_86976		pfu_aug1.0_86976
57_c1_g1_i3	2.45	E-15			.1_20664.t1		.1_20664.t1
TRINITY_DN712	-	2.28				XP_0114	
68_c0_g5_i1	2.64	E-03				12992.1	XP_011412992.1
TRINITY_DN713	-	4.19		HEX_PIN	pfu_aug1.0_5129.	XP_0114	
04_c1_g1_i1	5.87	E-09	H2A0L6	MG	1_45120.t1	22976.1	H2A0L6
TRINITY_DN714	-	1.24			pfu_aug1.0_10577		pfu_aug1.0_10577
62_c0_g1_i1	3.03	E-04			.1_53557.t1		.1_53557.t1
TRINITY_DN717	-	4.36		MIG17_C	pfu_aug1.0_1843.	XP_0114	
51_c1_g1_i4	2.61	E-03	Q20930	AEEL	1_37146.t1	38907.1	XP_011438907.1
TRINITY_DN718	-	5.41					
96_c4_g1_i4	2.69	E-04					
TRINITY_DN719	-	6.82					
16_c0_g1_i6	5.35	E-05					
TRINITY_DN723	-	6.11		KCP2_PI	pfu_aug1.0_1882.	XP_0114	
45_c0_g4_i1	4.11	E-16	H2A0N1	NMG	1_08167.t1	46794.1	H2A0N1
TRINITY_DN725	-	6.92	P31429	DPEP1_R	pfu_aug1.0_12595	XP_0114	XP_011433867.1

78_c0_g1_i1	3.44	E-03		ABIT	.1_46534.t1	33867.1	
TRINITY_DN726	-	3.39		ENDOU_	pfu_aug1.0_93349	XP_0114	
84_c1_g1_i5	1.86	E-06	A6QLQ8	BOVIN	.1_42297.t1	28046.1	XP_011428046.1
TRINITY_DN729	-	4.96		AMO_PIN	pfu_aug1.0_1052.	XP_0114	
13_c0_g1_i1	4.96	E-07	H2A0M3	MG	1_07781.t1	38553.1	H2A0M3
TRINITY_DN730	-	1.99		PWAP_H	pfu_aug1.0_102.1	XP_0114	pfu_aug1.0_102.1
50_c0_g1_i1	6.69	E-05	P86730	ALAI	_29088.t1	18342.1	_29088.t1
TRINITY_DN732	-	1.73					
80_c0_g2_i11	6.82	E-14					
TRINITY_DN736	-	9.03			pfu_aug1.0_11295	XP_0114	pfu_aug1.0_11295
22_c0_g1_i3	1.25	E-03			0.1_57042.t1	13197.1	0.1_57042.t1
TRINITY_DN737	-	9.56		CHI2_PIN	pfu_aug1.0_10761	NP_0012	
16_c1_g1_i2	4.98	E-05	H2A0L5	MG	.1_31980.t1	95799.1	H2A0L5
TRINITY_DN738	-	9.31			pfu_aug1.0_23024	XP_0199	pfu_aug1.0_23024
90_c1_g1_i1	1.11	E-03			9.1_14267.t1	23133.1	9.1_14267.t1
TRINITY_DN739	-	2.40					
22_c1_g3_i1	3.23	E-09					
TRINITY_DN744	-	5.53			pfu_aug1.0_3739.		pfu_aug1.0_3739.
60_c1_g3_i5	1.46	E-07			1_37682.t1		1_37682.t1
TRINITY_DN745	-	4.73		HIPL1_H	pfu_aug1.0_14711	XP_0199	
59_c0_g1_i1	2.72	E-03	Q96JK4	UMAN	.1_54097.t1	25916.1	XP_019925916.1
TRINITY_DN746	-	3.66		CP3AS_B	pfu_aug1.0_9405.	XP_0199	pfu_aug1.0_9405.
12_c0_g1_i1	1.62	E-03	P79102	OVIN	1_17476.t1	30648.1	1_17476.t1
TRINITY_DN746	-	6.72			pfu_aug1.0_12591		
52_c2_g1_i3	2.78	E-04			.1_03255.t1		
TRINITY_DN747	-	3.19			pfu_aug1.0_3154.		pfu_aug1.0_3154.
50_c5_g1_i12	3.63	E-09			1_30351.t1		1_30351.t1
TRINITY_DN750	-	3.29			pfu_aug1.0_14726	XP_0114	pfu_aug1.0_14726
91_c1_g1_i3	5.81	E-09			.1_46800.t1	48738.1	.1_46800.t1
TRINITY_DN751	-	8.95		ORCT_D	pfu_aug1.0_298.1	XP_0114	
24_c2_g1_i2	2.84	E-03	Q9VCA2	ROME	_22126.t1	33969.1	XP_011433969.1
TRINITY_DN755	-	2.11		FND1_PI	pfu_aug1.0_6844.	XP_0114	
00_c0_g1_i2	2.41	E-04	H2A0L7	NMG	1_09446.t1	14106.1	H2A0L7
TRINITY_DN755	-	7.43			pfu_aug1.0_2225.		pfu_aug1.0_2225.
36_c0_g1_i1	3.43	E-04			1_44288.t1		1_44288.t1
TRINITY_DN755	-	1.74			pfu_aug1.0_22730	XP_0199	pfu_aug1.0_22730
50_c0_g1_i4	4.12	E-13			.1_18891.t1	26576.1	.1_18891.t1
TRINITY_DN756	-	1.47		ELDP1_PI	pfu_aug1.0_1213.	XP_0114	
90_c3_g3_i1	4.64	E-12	H2A0L2	NMG	1_29620.t1	37437.1	H2A0L2
TRINITY_DN758	-	3.40		TYRO_PI	pfu_aug1.0_13090	NP_0012	
44_c0_g1_i2	6.57	E-09	P86952	NMA	8.1_28331.t1	92226.1	NP_001292226.1
TRINITY_DN760	-	2.32		YN81_CA	pfu_aug1.0_13299	XP_0114	pfu_aug1.0_13299
46_c0_g3_i5	4.11	E-04	Q03610	EEL	.1_03339.t1	14762.1	.1_03339.t1
TRINITY_DN768	-	7.50			pfu_aug1.0_3525.		pfu_aug1.0_3525.
26_c0_g1_i2	4.81	E-03			1_23341.t1		1_23341.t1
TRINITY_DN769	-	2.57			pfu_aug1.0_15095	XP_0114	pfu_aug1.0_15095
13_c1_g1_i3	5.22	E-14			.1_10774.t1	32382.1	.1_10774.t1
TRINITY_DN769	-	7.40			pfu_aug1.0_48372	XP_0199	pfu_aug1.0_48372
93_c5_g5_i1	1.06	E-03			.1_12654.t1	24775.1	.1_12654.t1
TRINITY_DN771	-	3.18			pfu_aug1.0_10419		pfu_aug1.0_10419
05_c0_g1_i2	4.84	E-05			.1_46204.t1		.1_46204.t1
TRINITY_DN773	-	1.58		TMPS9_M	pfu_aug1.0_21886	XP_0199	pfu_aug1.0_21886
33_c0_g1_i4	3.61	E-06	P69525	OUSE	.1_40322.t1	27952.1	.1_40322.t1
TRINITY_DN773	-	8.81		TYR1_CA	pfu_aug1.0_13287	XP_0114	pfu_aug1.0_13287
72_c1_g1_i7	3.26	E-07	P34269	EEL	.1_68623.t1	16062.1	.1_68623.t1
TRINITY_DN774	-	3.29					
00_c0_g1_i1	3.08	E-04					
TRINITY_DN774	-	3.90			pfu_aug1.0_14315	XP_0114	pfu_aug1.0_14315
56_c3_g2_i5	-6.1	E-13			.1_54050.t1	29695.1	.1_54050.t1
TRINITY_DN775	-	3.39			pfu_aug1.0_258385.1_07007.t		pfu_aug1.0_25838

25_c0_g1_i1	3.08	E-03			1		5.1_07007.t1
TRINITY_DN775	-	5.14		OGFR_M	pfu_aug1.0_70381	XP_0114	pfu_aug1.0_70381
79_c1_g1_i8	5.18	E-04	Q99PG2	OUSE	.1_56474.t1	20326.1	.1_56474.t1
TRINITY_DN776	-	2.56					
17_c2_g1_i2	4.69	E-09					
TRINITY_DN776	-	3.40			pfu_aug1.0_7162.		pfu_aug1.0_7162.
51_c2_g1_i1	3.21	E-05			1_67645.t1		1_67645.t1
TRINITY_DN779	-	1.89			pfu_aug1.0_1060.	XP_0114	pfu_aug1.0_1060.
78_c1_g1_i4	6.54	E-13			1_65769.t1	52815.1	1_65769.t1
TRINITY_DN780	-	7.76			pfu_aug1.0_1547.	XP_0114	
09_c2_g1_i1	3.27	E-12			1_15520.t1	49235.1	XP_011449235.1
TRINITY_DN780	-	5.03					
68_c0_g1_i9	-2.1	E-10					
TRINITY_DN781	-	7.72			pfu_aug1.0_12874		pfu_aug1.0_12874
16_c0_g2_i1	2.55	E-04			.1_03293.t1		.1_03293.t1
TRINITY_DN781	-	1.49		PERO_DR	pfu_aug1.0_19559	XP_0114	pfu_aug1.0_19559
83_c0_g1_i1	5.91	E-07	Q01603	OME	.1_61927.t1	34623.1	.1_61927.t1
TRINITY_DN784	-	2.08		GIGA6_C	pfu_aug1.0_10200	XP_0114	pfu_aug1.0_10200
65_c0_g1_i1	2.07	E-04	P86789	RAGI	9.1_13605.t1	49645.1	9.1_13605.t1
TRINITY_DN785	-	7.75			pfu_aug1.0_3068.	XP_0114	pfu_aug1.0_3068.
48_c0_g1_i8	4.85	E-07			1_23160.t1	12527.1	1_23160.t1
TRINITY_DN785	-	3.18					
85_c0_g1_i7	4.44	E-14					
TRINITY_DN787	-	8.09		USP2_PIN	pfu_aug1.0_43555		
00_c1_g1_i1	4.35	E-05	P86962	MA	.1_55905.t1		P86962
TRINITY_DN787	-	2.02			pfu_aug1.0_16069	XP_0199	pfu_aug1.0_16069
77_c1_g4_i1	1.58	E-03			.1_39778.t1	29791.1	.1_39778.t1
TRINITY_DN789	-	1.23			pfu_aug1.0_14699		pfu_aug1.0_14699
91_c1_g1_i2	4.86	E-16			.1_32469.t1		.1_32469.t1
TRINITY_DN795	-	2.17			pfu_aug1.0_5820.	XP_0114	pfu_aug1.0_5820.
28_c0_g1_i1	3.33	E-04			1_52622.t1	26878.1	1_52622.t1
TRINITY_DN795	-	1.74			pfu_aug1.0_5820.	XP_0199	pfu_aug1.0_5820.
28_c0_g2_i3	5.33	E-13			1_52622.t1	18429.1	1_52622.t1
TRINITY_DN796	-	7.14		LACH_D	pfu_aug1.0_9454.	XP_0114	pfu_aug1.0_9454.
72_c0_g2_i1	1.76	E-04	Q24372	ROME	1_46039.t1	31452.1	1_46039.t1
TRINITY_DN797	-	2.47		MOT12_X	pfu_aug1.0_12502	XP_0199	
33_c2_g1_i15	2.95	E-06	Q6GM59	ENLA	.1_32215.t1	19099.1	Q6GM59
TRINITY_DN797	-	3.25		MOT6_H	pfu_aug1.0_860.1	XP_0114	pfu_aug1.0_860.1
33_c2_g3_i1	3.14	E-09	O15375	UMAN	.51092.t1	36919.1	.51092.t1
TRINITY_DN799	-	6.19			pfu_aug1.0_16145		pfu_aug1.0_16145
48_c3_g2_i2	4.55	E-06			.1_25491.t1		.1_25491.t1
TRINITY_DN800	-	6.15		NETR_H	pfu_aug1.0_21886	XP_0114	pfu_aug1.0_21886
61_c0_g2_i4	3.69	E-03	P56730	UMAN	.1_40322.t1	45228.1	.1_40322.t1
TRINITY_DN801	-	5.39		TIMP3_C	pfu_aug1.0_24427	XP_0114	
93_c1_g1_i6	1.49	E-06	P26652	HICK	.1_26163.t1	45255.1	XP_011445255.1
TRINITY_DN802	-	3.54			pfu_aug1.0_10222		pfu_aug1.0_10222
20_c1_g3_i1	5.02	E-07			.1_60749.t1		.1_60749.t1
TRINITY_DN807	-	1.38			pfu_aug1.0_6087.	XP_0114	pfu_aug1.0_6087.
36_c0_g1_i1	-4.2	E-08			1_09272.t1	24911.1	1_09272.t1
TRINITY_DN807	-	1.66		AOC1_RA	pfu_aug1.0_6087.	XP_0114	
36_c0_g2_i1	3.75	E-08	P36633	T	1_09272.t1	24907.2	XP_011424907.2
TRINITY_DN808	-	5.45			pfu_aug1.0_17466		pfu_aug1.0_17466
22_c0_g1_i16	3.53	E-11			.1_03830.t1		.1_03830.t1
TRINITY_DN808	-	3.73		MIG17_C	pfu_aug1.0_14511	XP_0199	pfu_aug1.0_14511
98_c1_g2_i4	1.85	E-04	Q20930	AEEL	.1_54062.t1	26910.1	.1_54062.t1
TRINITY_DN810	-	2.84		TRYB1_	pfu_aug1.0_2803.	XP_0114	
16_c1_g2_i3	1.75	E-04	Q02844	MOUSE	1_30249.t1	19617.1	XP_011419617.1
TRINITY_DN810	-	2.35		AEBP1_M	pfu_aug1.0_3370.	XP_0114	
16_c1_g3_i2	1.72	E-03	Q640N1	OUSE	1_59213.t1	19616.1	XP_011419616.1
TRINITY_DN810	-	5.03					

89_c0_g1_i6	2.44	E-10					
TRINITY_DN811	-	3.89			pfu_aug1.0_46712	XP_0114	
29_c0_g1_i5	1.29	E-04			.1_12616.t1	55168.1	XP_011455168.1
TRINITY_DN811		4.85			pfu_aug1.0_8069.	XP_0114	pfu_aug1.0_8069.
29_c0_g4_i1	-1.4	E-05			1_67796.t1	55168.1	1_67796.t1
TRINITY_DN813	-	8.00		CTRA_B	pfu_aug1.0_17175	XP_0114	pfu_aug1.0_17175
93_c1_g1_i3	2.07	E-03	P00766	OVIN	.1_61690.t1	45228.1	.1_61690.t1
TRINITY_DN814	-	1.86		SPDEF_H	pfu_aug1.0_5375.	XP_0114	pfu_aug1.0_5375.
80_c0_g1_i1	2.29	E-03	O95238	UMAN	1_30945.t2	43811.1	1_30945.t2
TRINITY_DN815	-	4.68					
87_c0_g1_i6	1.78	E-06					
TRINITY_DN817	-	2.99		SLP1_PIN	pfu_aug1.0_24266		
05_c0_g1_i11	6.41	E-05	H2A0K8	MG	.1_33421.t1		H2A0K8
TRINITY_DN817	-	2.14		SLP2_PIN			
05_c0_g3_i1	6.35	E-05	P86950	MA			P86950
TRINITY_DN824	-	9.04		AQP8_RA	pfu_aug1.0_33748	XP_0114	
26_c2_g1_i6	1.53	E-04	P56405	T	.1_55478.t1	36665.1	XP_011436665.1
TRINITY_DN824		1.09		RTJK_DR	pfu_aug1.0_811.1	XP_0199	
75_c1_g1_i2	1.85	E-03	P21328	OME	_58262.t1	22330.1	XP_019922330.1
TRINITY_DN827		1.24					
32_c1_g1_i1	-5.6	E-04					
TRINITY_DN827	-	4.04			pfu_aug1.0_49833		
63_c3_g2_i1	1.28	E-06			5.1_36151.t1	XP_011441107.1	
TRINITY_DN828	-	8.84			pfu_aug1.0_8184.	XP_0199	pfu_aug1.0_8184.
46_c0_g1_i1	2.27	E-05			1_60379.t1	23112.1	1_60379.t1
TRINITY_DN829	-	5.03		SLP2_PIN	pfu_aug1.0_14895		pfu_aug1.0_14895
75_c0_g1_i2	4.95	E-10	P86950	MA	.1_10758.t1		.1_10758.t1
TRINITY_DN829	-	5.05		TYRO2_P	pfu_aug1.0_16905	XP_0114	
87_c1_g1_i1	3.88	E-04	H2A0L1	INMG	.1_25558.t1	16064.1	H2A0L1
TRINITY_DN830	-	7.14		FND1_PI	pfu_aug1.0_6844.	XP_0114	
64_c1_g1_i9	4.15	E-04	H2A0L7	NMG	1_09446.t1	14106.1	H2A0L7
TRINITY_DN831	-	7.46		KCP2_PI	pfu_aug1.0_1882.	XP_0114	
38_c1_g2_i2	3.76	E-05	H2A0N1	NMG	1_08167.t1	46794.1	H2A0N1
TRINITY_DN833	-	1.02		PLSP_PIN	pfu_aug1.0_1885.	XP_0199	
12_c1_g1_i3	4.86	E-06	H2A0M7	MG	1_51458.t1	21592.1	H2A0M7
TRINITY_DN834	-	7.13			pfu_aug1.0_31528		pfu_aug1.0_31528
38_c1_g1_i1	7.71	E-09			.1_04778.t1		.1_04778.t1
TRINITY_DN835	-	2.64					
16_c0_g1_i2	4.45	E-03					
TRINITY_DN835	-	6.34			pfu_aug1.0_2774.		pfu_aug1.0_2774.
16_c0_g2_i4	3.92	E-03			1_15943.t1		1_15943.t1
TRINITY_DN836	-	6.54		MOXD1_	pfu_aug1.0_1065.	XP_0114	pfu_aug1.0_1065.
32_c2_g1_i1	3.35	E-19	Q98ST7	CHICK	1_36810.t1	18505.1	1_36810.t1
TRINITY_DN837		7.58			pfu_aug1.0_3972.	XP_0114	pfu_aug1.0_3972.
38_c2_g1_i1	-4.3	E-09			1_16226.t1	52009.1	1_16226.t1
TRINITY_DN837	-	3.08			pfu_aug1.0_3972.	XP_0114	pfu_aug1.0_3972.
38_c2_g3_i1	4.49	E-06			1_16226.t1	52009.1	1_16226.t1
TRINITY_DN838		2.85		Y045_ME	pfu_aug1.0_2.1_1	XP_0114	
29_c0_g1_i3	-4.6	E-07	Q8Q0U0	TMA	4613.t1	45311.1	XP_011445311.1
TRINITY_DN841	-	3.57		TRI56_M	pfu_aug1.0_4178.	XP_0114	pfu_aug1.0_4178.
80_c0_g1_i1	2.69	E-03	Q80VI1	OUSE	1_44882.t1	29480.1	1_44882.t1
TRINITY_DN841	-	1.50			pfu_aug1.0_4178.	XP_0114	pfu_aug1.0_4178.
80_c0_g2_i2	3.25	E-08			1_44882.t1	29480.1	1_44882.t1
TRINITY_DN843	-	1.68		USP1_PIN	pfu_aug1.0_12300	XP_0114	
70_c4_g1_i1	3.07	E-04	H2A0M4	MG	.1_32179.t1	56443.1	H2A0M4
TRINITY_DN844	-	2.69		LRP1_CH	pfu_aug1.0_5759.	XP_0114	
35_c0_g2_i3	2.62	E-04	P98157	ICK	1_09217.t1	30016.1	XP_011430016.1
TRINITY_DN844	-	1.37			pfu_aug1.0_4889.		pfu_aug1.0_4889.
42_c1_g2_i2	1.68	E-03			1_09005.t1		1_09005.t1
TRINITY_DN850	-	1.05	H2A0M7	PLSP_PIN	pfu_aug1.0_4298.	XP_0199	XP_019921592.1

66_c1_g1_i5	2.81	E-08		MG	1_08859.t1	21592.1	
TRINITY_DN851	-	2.15		PERC_AN	pfu_aug1.0_3964.	XP_0199	pfu_aug1.0_3964.
98_c1_g1_i3	2.66	E-03	Q7QH73	OGA	1_08779.t1	20121.1	1_08779.t1
TRINITY_DN854	-	5.97			pfu_aug1.0_163.1		pfu_aug1.0_163.1
87_c1_g1_i2	1.45	E-11			_36324.t1		_36324.t1
TRINITY_DN854	-	2.78		MR30_CO	pfu_aug1.0_163.1	XP_0114	
87_c1_g3_i9	1.21	E-06	A1BQQ5	NMR	_36327.t1	49942.1	XP_011449942.1
TRINITY_DN855	-	1.99		PTH33_M	pfu_aug1.0_2100.	XP_0114	pfu_aug1.0_2100.
04_c1_g2_i2	1.34	E-08	Q0EEEE2	OUSE	1_22869.t1	42864.1	1_22869.t1
TRINITY_DN855	-	2.14			pfu_aug1.0_3110.		pfu_aug1.0_3110.
19_c0_g2_i2	-2.7	E-05			1_01338.t1		1_01338.t1
TRINITY_DN855	-	6.05		POLY_DR	pfu_aug1.0_5819.	XP_0199	pfu_aug1.0_5819.
95_c0_g2_i4	2.13	E-03	P10401	OME	1_02075.t1	20316.1	1_02075.t1
TRINITY_DN856	-	1.53		CHI1_PIN	pfu_aug1.0_14887	NP_0012	pfu_aug1.0_14887
94_c0_g1_i7	3.41	E-07	H2A0L4	MG	.1_32490.t1	92252.1	.1_32490.t1
TRINITY_DN857	-	2.17		EGTB_M	pfu_aug1.0_35351	XP_0114	
73_c1_g1_i9	2.51	E-04	Q7D513	YCTO	.1_48195.t1	13777.1	XP_011413777.1
TRINITY_DN863	-	1.04			pfu_aug1.0_4099.		pfu_aug1.0_4099.
18_c0_g1_i4	3.95	E-03			1_08806.t1		1_08806.t1
TRINITY_DN863	-	1.20		FSTL1_M	pfu_aug1.0_2012.	XP_0114	pfu_aug1.0_2012.
62_c2_g3_i2	1.18	E-03	Q9GKY0	ACFA	1_22828.t1	35865.1	1_22828.t1
TRINITY_DN864	-	1.26		TYRO2_P	pfu_aug1.0_123.1	XP_0114	pfu_aug1.0_123.1
25_c1_g1_i1	2.44	E-05	H2A0L1	INMG	_50650.t1	13535.1	_50650.t1
TRINITY_DN865	-	2.91		FND2_PI	pfu_aug1.0_6844.	XP_0114	
89_c4_g4_i4	1.82	E-03	H2A0L8	NMG	1_09446.t1	14106.1	H2A0L8
TRINITY_DN866	-	7.83			pfu_aug1.0_507.1		pfu_aug1.0_507.1
64_c6_g1_i3	5.55	E-10			_36562.t1		_36562.t1
TRINITY_DN868	-	3.47		GP155_P	pfu_aug1.0_648.1	XP_0199	
29_c2_g1_i1	3.45	E-08	Q5R9A7	ONAB	_15168.t1	28755.1	XP_019928755.1
TRINITY_DN868	-	8.87		GP155_P	pfu_aug1.0_49139	XP_0199	pfu_aug1.0_49139
29_c2_g2_i1	3.08	E-07	Q5R9A7	ONAB	.1_12675.t1	28755.1	.1_12675.t1
TRINITY_DN871	-	3.36		MEGF6_R	pfu_aug1.0_20326	XP_0114	
84_c6_g1_i1	1.46	E-05	O88281	AT	.1_40226.t1	29547.1	XP_011429547.1
TRINITY_DN872	-	1.00		FRRS1_D	pfu_aug1.0_5514.	XP_0114	
58_c5_g3_i1	4.21	E-13	A4QP81	ANRE	1_23808.t1	34249.1	XP_011434249.1
TRINITY_DN872	-	1.75			pfu_aug1.0_6700.	XP_0114	pfu_aug1.0_6700.
96_c4_g1_i2	3.08	E-11			1_02292.t1	49016.1	1_02292.t1
TRINITY_DN872	-	5.15			pfu_aug1.0_164724.1_21334.t		pfu_aug1.0_16472
97_c3_g1_i4	4.21	E-04			1		4.1_21334.t1
TRINITY_DN872	-	4.94			pfu_aug1.0_248.1	XP_0114	pfu_aug1.0_248.1
98_c1_g1_i6	1.12	E-03			_14931.t1	24388.1	_14931.t1
TRINITY_DN880	-	3.55		GTR1_DR	pfu_aug1.0_805.1	XP_0199	
70_c3_g1_i1	1.19	E-04	Q8IRI6	OME	_58255.t1	26257.1	XP_019926257.1
TRINITY_DN884	-	5.72			pfu_aug1.0_2774.		pfu_aug1.0_2774.
45_c4_g1_i3	4.33	E-04			1_15943.t1		1_15943.t1
TRINITY_DN884	-	3.39					
52_c5_g1_i14	5.05	E-03					
TRINITY_DN967	-	3.99			pfu_aug1.0_16176	XP_0114	pfu_aug1.0_16176
91_c0_g1_i1	3.71	E-03			.1_10901.t1	35189.2	.1_10901.t1
TRINITY_DN985	-	3.97					
46_c0_g1_i1	2.37	E-03					

Table S3

Table S3: Set of forward and reverse primers used for the biomineralization gene expression (real-time PCR) analysis in *Pinctada margaritifera*.

Fonction	Gene	Sequences	Genbank	References
housekeeping	EF	F- CCACGAGTCCTTACCAGAGG R- TGGATCACTTTTGCTGTCTCC		
housekeeping	GADPH	F - AGGCTTGATGACCACTGTCC R - AGCCATTCCCGTCAACTTC		
Nacreous	PIF177	F - AGATTGAGGGCATAGCATGG R - TGAGGCCGACTTTCTTGG	HE610401	[1]
Prismatic	Shematin9	F - TGGAAGCAGTTTGACAGGTG R - ATACCAGGGCCGTAAATGC	EF160120	
Prismatic	Aspein	F - TGAAGGGGATAGCCATTCTTC R - ACTCGGTTCCGGAAACAACCTG	SRX022139	[2, 3]
Prismatic	MP10	F - GCCCGTCCACAGAAGACTAGAG R - GATGAGGCACGTCTTTGACC	HE610374	[4]

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