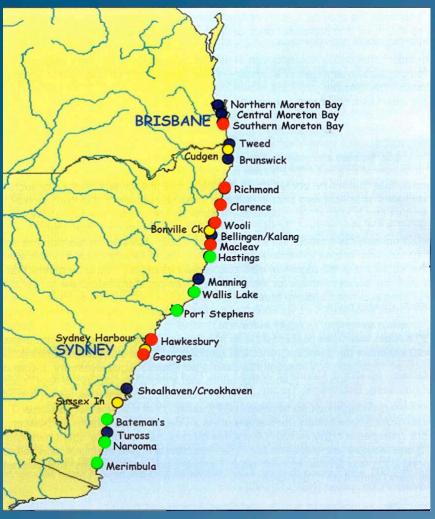


# QX Disease









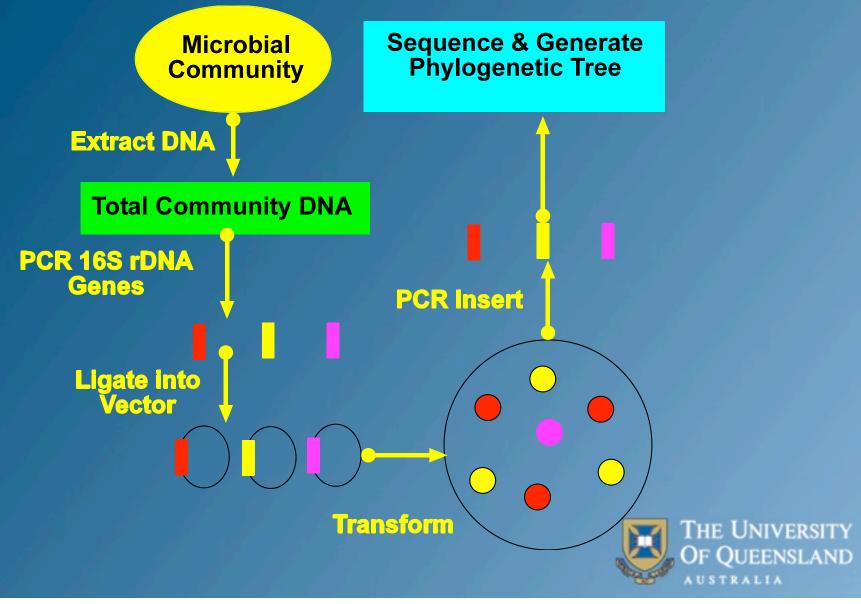


- 1) Bacterial Communities of Sydney Rock Oysters.
- 2) Identification of differential expressed genes btw QXR and non-selected oysters.
- 3) Pretty Pictures(for Mac and Sam)

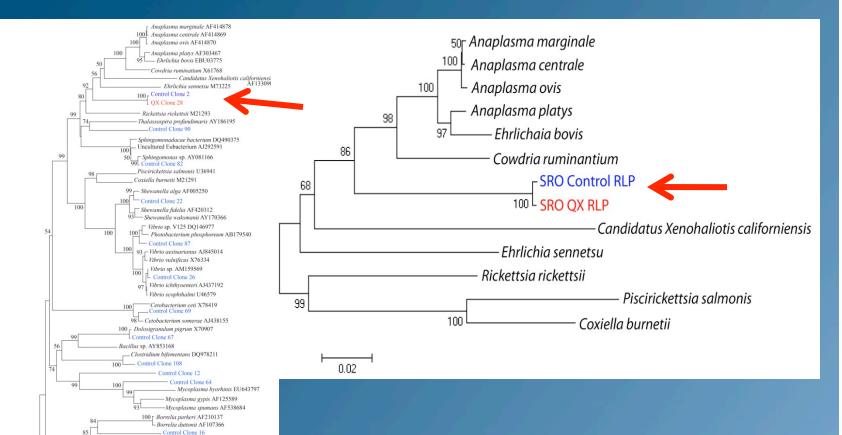




#### Bacterial Community Analysis Using Non-Culture Techniques







Spirochaeta aurantia AY599019
Spirochaeta halophila M88722
Control Clone 9
Uncultured Spirochaete sp. AM712343
Control Clone 48

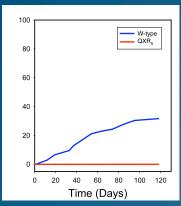
Uncultured cyanobacterium AM259252
Cyanobium sp. AY183115
Synechococcus sp. AY172826
Control Clone 118
96
Uncultured cyanobacterium AM259793
94
Uncultured cyanobacterium AM259793
95
Control Clone 10

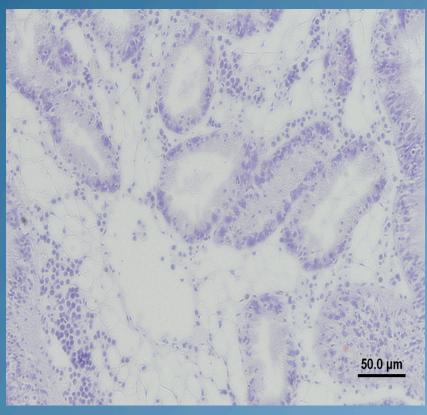
79 | Propionibacterium acnes AB042290 | Control Clone 83 | Chloroflexi Bacterium DQ351765 | Control Clone 109 | Aquifex pyrophilus M83548 |

100 Chlorella sp. EF114678
Chlorella vulgaris X16579
Control Clone 120
100 Uncultured cyanobacterium DQ446127
Control Clone 23
Acaryochloris sp. DQ917811
Control Clone 92
Acaryochloris marina AY163573
89 Symechococcus sp. AY183115
88 Control Clone 98



#### POUATIC ENIM Does selection for QX resistance result in better guns or bigger muscles?

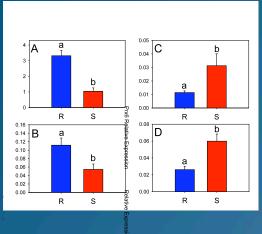




Aquaculture. 2008;280:35-8

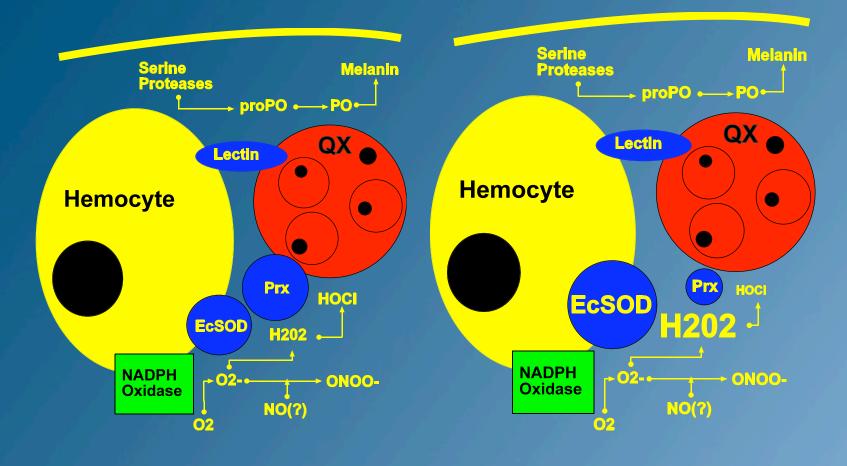








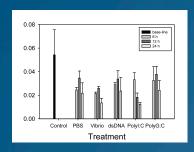
## QXR<sub>4</sub> Increased Potential To Produce Anti- Parasitic H<sub>2</sub>O<sub>2</sub>

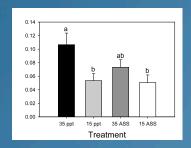






# Prx6: Heat Shock Gene



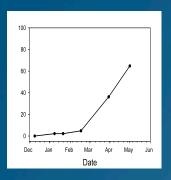


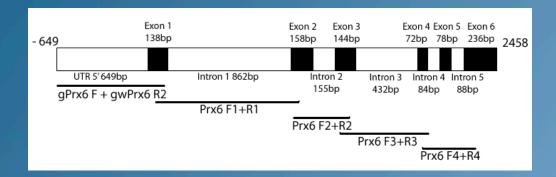
Fish Shellfish Immunol. 2009;27:260-5





# Polymorphism of Prx6 & its association with QX resistance





Polymorphism	Genotype	Resistant	Susceptible	(p)
-240	A/A	0.467	0.533	0.059
	A/G	0.133	0.400	
	G/G	0.400	0.067	

-240 A acaacgagaactcattacatctgat Score

-240 G acaacgaggactcattacgtctgat Score





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- Livestock Industries, CSIRO

