

Supplementary Information

Table S1. Bivalve GST sequences in GenBank.

Species name	Class	Isoform	GI
<i>Chlamys farreri</i>	zeta	-	GU361617.1
<i>Chlamys farreri</i>	pi	-	FJ588638.4
<i>Corbicula fluminea</i>	pi	-	AY885667.1
<i>Crassostrea ariakensis</i>	omega	-	EU908273.1
<i>Crassostrea ariakensis</i>	mu	-	EU908274.1
<i>Crassostrea ariakensis</i>	sigma	-	EU908270.1
<i>Crassostrea gigas</i>	omega	-	AJ557141.1
<i>Crassostrea gigas</i>	mu	-	AJ558252.1
<i>Crassostrea gigas</i>	sigma	-	AJ577235.1
<i>Cristaria plicata</i>	pi	-	HQ166721.1
<i>Dreissena polymorpha</i>	pi	-	EF194203.1
<i>Hyriopsis schlegelii</i>	pi	-	EU145724.1
<i>Laternula elliptica</i>	rho	-	FJ615307.1
<i>Laternula elliptica</i>	pi	-	EU131183.1
<i>Mercenaria mercenaria</i>	pi	2	EU024654.1
<i>Mercenaria mercenaria</i>	pi	1	EU024656.1
<i>Mytilus edulis</i>	pi	-	AY557404.1
<i>Mytilus galloprovincialis</i>	pi	1	AF527010.1
<i>Mytilus galloprovincialis</i>	sigma	1	JX485636.1
<i>Mytilus galloprovincialis</i>	sigma	2	JX485637.1
<i>Mytilus galloprovincialis</i>	sigma	3	JX485638.1
<i>Mytilus galloprovincialis</i>	alpha	-	JX485635.1
<i>Ostrea edulis</i>	omega	-	JN091800.1
<i>Ostrea edulis</i>	sigma	-	JN091840.1
<i>Pinctada fucata</i>	omega	-	GU362542.1
<i>Ruditapes philippinarum</i>	omega	-	HM061130.1
<i>Ruditapes philippinarum</i>	rho	-	JN388954.1
<i>Ruditapes philippinarum</i>	theta	-	JF499392.1
<i>Ruditapes philippinarum</i>	mu	-	JN593116.1
<i>Ruditapes philippinarum</i>	pi	-	FJ516741.2
<i>Ruditapes philippinarum</i>	sigma	1	JN388948.1
<i>Ruditapes philippinarum</i>	sigma	2	JN388949.1
<i>Ruditapes philippinarum</i>	sigma	3	JN388950.1
<i>Saccostrea philippinarum</i>	mu	-	FJ527304.1
<i>Solen grandis</i>	sigma	-	JN642123.1
<i>Unio tumidus</i>	pi	-	AY885666.1