

*Lamellibrachia* host  
*Capitella teleta*  
*Lamellibrachia* symbiont




argA	argB	argC	argD	argE	argG	argH	argJ	ilvB	ilvG	ilvH	ilvA	ilvC	ilvD	leuA	leuB	leuCD	GlyA
Arg								Val, Ile and Leu								Gly	

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aroA	aroB	aroC	aroE	aroQ	trpAB	trpC	trpD	trpE	trpF	metA	metE	methH	metK	thrB	thrC	dapA	dapB	dapD	dapF	lysA
Phe					Trp					Met				Thr		Lys				

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<i>hisA</i>	<i>hisB</i>	<i>hisD</i>	<i>hisG</i>	<i>hisH</i>	<i>tyrA2</i>	<i>proA</i>	<i>proB</i>	<i>proC</i>	<i>cysE</i>	<i>cysK</i>	<i>cysM</i>	<i>gltB</i>	<i>gltD</i>	<i>glnA</i>	<i>serA</i>	<i>serB</i>	<i>serC1</i>	<i>Dat</i>	<i>aspC</i>	<i>asnB</i>
His					Tyr	Pro			Cys			Glu		Gln	Ser			Ala	Asp	Asn

 Present
  Absent
  Gene only absent in *Lamellibrachia* host but present in both *Capitella* and *Lamellibrachia* symbiont

# B

