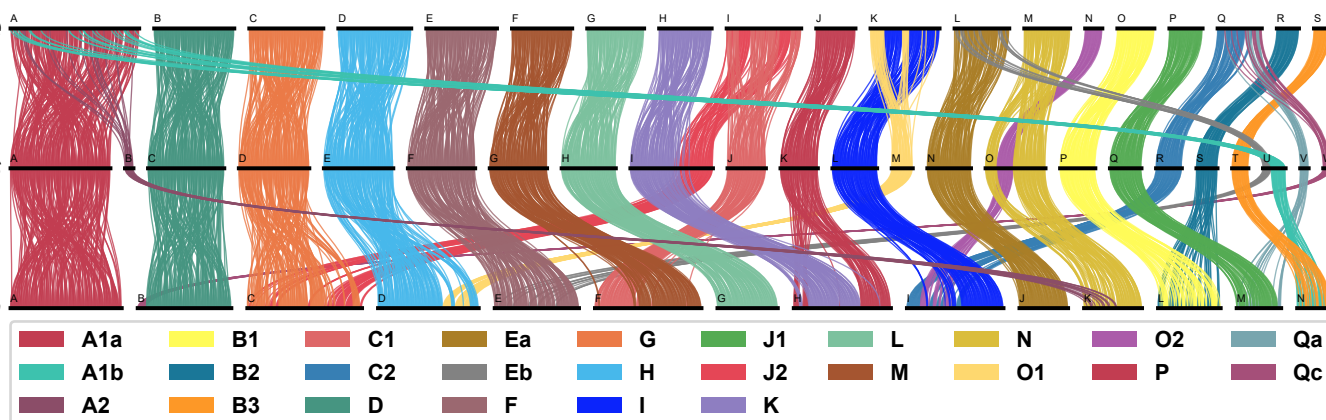


A

*Branchiostoma floridae**Spongilla lacustris**Acropora muricata*

B

Amphioxus		Sponge		Stony coral	
Digestive tract epithelial cells		Peptidocytes (C5)		Symbiocytes (C22)	
Genes	EST count	Genes	UMI	Genes	UMI
<i>ferritin</i>	504 (3.37 %)	<i>ferritin</i>	628.66	<i>ferritin</i>	204.34
<i>trypsin</i>	497 (3.32 %)	<i>cathepsin L</i>	127.62	<i>cathepsin L</i>	158.32
<i>cathepsin L</i>	440 (2.94 %)	<i>cathepsin B</i>	32.53	<i>glutaredoxin</i>	113.82
<i>cathepsin B</i>	132 (0.88 %)	<i>cathepsin D</i>	20.99	<i>prosaposin</i>	94.00
<i>lysozyme C</i>	92 (0.61 %)	<i>glutathione S-transferase</i>	9.00	<i>cathepsin B</i>	69.68
<i>pancreatic lipase</i>	80 (0.53 %)	<i>glutaredoxin 2</i>	6.35	<i>cathepsin Z</i>	43.60
<i>carboxypeptidase Z/N</i>	74 (0.49 %)	<i>bactericidal permeability-increasing protein</i>	4.04	<i>cathepsin D</i>	39.64
<i>legumain</i>	47 (0.31 %)	<i>prosaposin</i>	3.10	<i>cathepsin L</i>	28.62
<i>saposin B</i>	43 (0.29 %)	<i>Glutathione S-transferase</i>	2.27	<i>acid phosphatase type 7</i>	20.50
<i>subtilisin-like protease</i>	42 (0.28 %)	<i>Glutathione S-transferase</i>	2.09	<i>Glutathione S-transferase</i>	15.52
<i>arylsulfatase B</i>	36 (0.24 %)	<i>prosaposin</i>	1.71	<i>cathepsin B</i>	15.41
<i>endo-beta-1,4-glucanase</i>	25 (0.17 %)	<i>lysosomal acid type</i>	1.58	<i>aldehyde dehydrogenase</i>	14.87
<i>lysozyme G</i>	20 (0.13 %)	<i>Glutathione S-transferase</i>	1.53	<i>cathepsin S</i>	11.48
<i>chitotriosidase</i>	11 (0.07 %)	<i>Glutathione S-transferase</i>	1.33	<i>bactericidal permeability-increasing protein</i>	9.51
<i>cathepsin D</i>	10 (0.07 %)	<i>aldehyde dehydrogenase 1</i>	1.29	<i>dipeptidyl peptidase 1</i>	8.63
		<i>Glutathione S-transferase</i>	1.24	<i>lysosomal acid lipase</i>	8.08
		<i>Glutathione S-transferase</i>	1.01	<i>cathepsin L</i>	7.56