Protein: bhmt

Molecule: Hcy

Organism: Zebrafish

Processes (bp): MB = methionine biosynthesis

Molecular Processes (mf):

BHSMA = betaine-homocysteine S-methyltransferase activity   
SAHSM = S-adenosylmethionine-homocysteine S-methyltransferase activity   
ZIB = zinc ion binding

Cell component: Cytoplasm, CCx

Situations / Phenotypes: Ph1, Ph2, Ph3,..[[1]](#footnote-1)

* There exists processes of the type MB in Zebrafish that have the protein bhmt and the small molecule Hcy as participants
* In these processes the protein bhmt performs the molecular activities (mf) BHSMA, SAHSM, and ZIP
* These processes occur in Cytoplasm and/or CCx
* There exist dysfunctional processes of this type that bear risks that may be realized a phenotypes Ph1, …
* All Zebrafish organisms bear a disposition to be realized by MB processes
* All bhmt protein molecules in Zebrafish bear the functions realized by BHSMA, SAHSM, and ZIB

1. endocrine pancreas increased size, exocrine pancreas decreased size, eye decreased size  
   head decreased size, intestine decreased size, liver decreased size, notochord increased size  
   pancreatic B cell present in greater numbers, trunk decreased thickness [↑](#footnote-ref-1)