

A

Flanking

Vasa_Dros ERKREFYIPPEPSNDALIEIFSSGIAS-GIHFSKYNNIPVKVTG
 DDX4_Hs QGPKVTYIPPPPEDEDSIFAHYQT--GINFDKYDTILMEVSG
 GLH-1_Cele EGPKATYVPVEDNMEDVFNMQK-ISE-GLMFNKFDAEVKLTS
 GLH-2_Cele EGPKATYVPVEDNMEVFNMQK-ISE-GLMFNKFDAEVKITS
 GLH-3_Cele EPTKVTYVPVVDKMEVFSMLK-INA-GDFFDKFFDASVQLVS
 VBH-1_Cele ESNQWGGAPAEYSESNLFHRTDS---GINFDKYENIPMEVSG
 LAF-1_Cele GTSK WENRGARDERIEQELFSGQLS--GINFDKYEIPVEATG
 RDE-12_Cele SNSEGVNA PVRAPRDWVPVTRDIDELVRETADRLADCDVQDR
 GLH-4_Cele TRPKDLQGNFLESYDFVFTPDCKMFEDAVNNDKIDFDQKVA
 DDX-19_Cele VKPDSKYKFTKPATEEAHEQVPVPA-DIALLNKFIQKEVKMMK
 DDX-17_Cele -----LLYGKF-----

B

Vasa_Dros ATNVEEEEQWD
 DDX4_Hs APNPVDESWD
 GLH-1_Cele TQVPQDEEGW
 GLH-2_Cele PTQKQDEDCW
 GLH-3_Cele IDTEEPPEAW
 VBH-1_Cele PIDHWQAPQA
 LAF-1_Cele ORAOPOODWWS
 RDE-12_Cele GADGNDDDEW
 GLH-4_Cele DDWNEQEQEW
 DDX-19_Cele LVELEAIEMA
 DDX-17_Cele GGGSGGGGRW

C**Vasa N-terminal Zn-knuckle Domain Conservation**