

|                              |  |  |     |
|------------------------------|--|--|-----|
| DDX3X isoform 1 Homo sapiens | MSHVAVENALGLDQQFAGLDLNSSDNQS   | GGSTASKGRYIPPHLRNREATKGFYDKDSSGWSSSKDKDAYS           | 70  |
| DDX3Y isoform 1 Homo sapiens | MSHVVVKNDPELDQQLANLDLNSEKQSG   | GASTASKGRYIPPHLRNREASKGFHDKDSSGWSSSKDKDAYS           | 70  |
| DDX3X isoform 1 Homo sapiens | SFGSRSDSRGKSSFFSDRGSGSRGRFDDRGRSDYDGIGSRGDRSGFGKFERG                   | GNSRWCDKSDDEDDWSKPL                                  | 140 |
| DDX3Y isoform 1 Homo sapiens | SFGSR.DSRGKPGYFSERGS   | SGRGRFDDRGRSDYDGIGNR.ERPFGFRFERSGHSRWCDKSVEDDWSKPL   | 138 |
| DDX3X isoform 1 Homo sapiens | PPSERLEQELFSGGNTGINFEKYDDIPVEATGN                                      | NCPPHIESFSDVEMGEIIMGNIELTRYTRPTPVQKHA                | 210 |
| DDX3Y isoform 1 Homo sapiens | PPSERLEQELFSGGNTGINFEKYDDIPVEATGS                                      | NCPPHIENFSDIDMGEIIMGNIELTRYTRPTPVQKHA                | 208 |
| DDX3X isoform 1 Homo sapiens | IPIIIEKRDLMACAQTGSGKTA AFLLPILSQIYS                                    | DGPGEALRAMKENG RYGRRKQYPISLVLAPTRELAV                | 280 |
| DDX3Y isoform 1 Homo sapiens | IPIIKGKRDLMACAQTGSGKTA AFLLPILSQIYT                                    | DGPGEALKAVKENG RYGRRKQYPISLVLAPTRELAV                | 278 |
| DDX3X isoform 1 Homo sapiens | QIYEEARKFSYRSRVRPCVVYGGADIGQQIRD                                       | LERGCHLLVATPGRLVDMMERGKIGLDFCKYLVLEAD                | 350 |
| DDX3Y isoform 1 Homo sapiens | QIYEEARKFSYRSRVRPCVVYGGADIGQQIRD                                       | LERGCHLLVATPGRLVDMMERGKIGLDFCKYLVLEAD                | 348 |
| DDX3X isoform 1 Homo sapiens | RMLDMGFEPQIRRIVEQDTMPPKGVRHTMMFSATFPKEIQMLARDFLDEYIFLAVGRVGSTSENITQKVV |  | 420 |
| DDX3Y isoform 1 Homo sapiens | RMLDMGFEPQIRRIVEQDTMPPKGVRHTMMFSATFPKEIQMLARDFLDEYIFLAVGRVGSTSENITQKVV |  | 418 |
| DDX3X isoform 1 Homo sapiens | WVEESDKRSFLLDLILNATGK  | DSLTLVFVETKKGADSLED FLYHEGYACTSIHGDRSQRDREEALHQFRSG  | 490 |
| DDX3Y isoform 1 Homo sapiens | WVEDLDKRSFLLDILGATGS   | DSLTLVFVETKKGADSLED FLYHEGYACTSIHGDRSQRDREEALHQFRSG  | 488 |
| DDX3X isoform 1 Homo sapiens | KSPILVATAVAARGLDISNVK  | HVINFDLPSDIEEYVHRIGRTGRVGNLGLATSSFFNERNINITKDLLDLL   | 560 |
| DDX3Y isoform 1 Homo sapiens | KSPILVATAVAARGLDISNVR  | HVINFDLPSDIEEYVHRIGRTGRVGNLGLATSSFFNEKNMNMNITKDLLDLL | 558 |
| DDX3X isoform 1 Homo sapiens | VEAKQEVPSWLENMAYEHYKGS   | SRGRSKSSRFSGGFGARDYRQSSGASSSSFSSSSRASSSRSGGGGHGS     | 630 |
| DDX3Y isoform 1 Homo sapiens | VEAKQEVPSWLENMAYEHYKGG   | SRGRSKSNRFSGGFGARDYRQSSGSSSSGFGASRGSSSRSGGGGYGN      | 628 |
| DDX3X isoform 1 Homo sapiens | SRFGGGGGYGGFYNSDGYGGNYNSQGVDWWGN                                       |  | 662 |
| DDX3Y isoform 1 Homo sapiens | SRFGGGGGYGGFYNSDGYGGNYNSQGVDWWGN                                       |  | 660 |

X

non conserved

X

≥ 50% conserved