

A.

| | |
|------------|---|
| Rat | VAKLVFQRLNEDFVRKPDYALSSVGASIDLEKTSSDYEDRNTAYFWNRLSFWNYARPPSV |
| Human | VAKLVFQRLNEDFVRKPDYALSSVGASIDLQKTSHDYADRNTAYFWNRFSFWNYARPPTV |
| Drosophila | -VALAKPRIN-----YASEELGARI-INVKAHSIDGTNIIRSLGLDFS--TNPPVN |
| | . *. *: * ** ..** * :: . . * :.* :.** |
| | |
| Rat | ILEPDVFPNCWAFEGEQGVVIRLPGHVQLSDITLQHPPPTVAHTGGASSAPRDFAVFG |
| Human | ILEPHVFPNCWAFEGDQGQVVIQLPGRVQLSDITLQHPPPSVEHTGGANSAPRDFAVFG |
| Drosophila | MIRTGLSPGSCFGFNGSRATVTLHLARTIIVEAITLTHVAREMTPDLCVKSA PKNFVYG |
| | :.. : **.*:.*:.. *.**: . :. *** * . : ..**::* ** |
| | |
| Rat | LQADDDETEVFLGKFIFEVQKSE-IQTFHLQNDPPSAFPKVKIQILSNWGHPRFTCLYRV |
| Human | LQVYD-ETEVSLGKFTFDVEKSE-IQTFHLQNDPPAAFPVKVKIQILSNWGHPRFTCLYRV |
| Drosophila | LRSEN-SKRELLGQWSYDNAANKRTQSYSVRSD--TFFRNLDPSFNSNHGAN-STCIYRV |
| | *: : ... **: : : .: *: :.* : * :.: : ** * **:*** |
| | |
| Rat | RAHGVRISESAEDNAMGVTGGPH |
| Human | RAHGVRTSEGAEGSAQ---GPH |
| Drosophila | EVYGR----- |
| | ...* |

B.

| | | | |
|---------|-----|---|-----|
| Yuri-65 | 230 | KMSESMKSLVGEIAAKHDEIGELKSQINALDEVVHTARQKLLKDCIAQ | 279 |
| | | :...:***...*.**:.. *:***:~...~...~...~...~...~...~ | |
| Zyg-12A | 393 | RLDHHVKSATLEDANKNG-IAQLRTQVGGLTALNTELKASLDSKKRCVEQ | 441 |
| | | | |
| Yuri-65 | 280 | LNQQLHEITRCIESRDQAKME-ESPNDTLTADAITSMDLENLSIHDTQES | 328 |
| | | *...~...~...~...~...~...~...~...~...~...~...~...~...~ | |
| Zyg-12A | 442 | LEIQLIQHKEKVKELEDKDELIEERNRLENQLIFKEAVTPRSLHESM-F | 490 |
| | | | |
| Yuri-65 | 329 | EMLRLLNAELNDL-LDLHNKQEFQTIE | 354 |
| | | *...~...~...~...~...~...~...~...~...~...~...~...~...~ | |
| Zyg-12A | 491 | EAGNLSFDEKNTLPLEIENKRLTERIQ | 517 |