```
hCCDC69   1 MGCRHSRLSSCKPPKKKRQEPEPEQPPRPEPHELGPLNGDTAITVQLCASEEAERHQKDI 60
mCCDC69   1 MGCRQSRHS-------------------------------------------------- 9
xCCDC69   1 MGCKTSKMCCPQLRKKKRQKAHQGGLTSQELNDLNAKTQGPNEVLQKIKEYEQEIRDLLQ 60

hCCDC69  61 TRILQQHEEEKKKWA----------QQVEKERELELRDRLDEQQRVLEGKNEEALQVLRA 110
mCCDC69  10 ----------RGKRA----------EKVE-ETQTELLEALDKEGRILEGRHEEAGQVPQT 48
xCCDC69  61 KHQEEKTALADAHKADVEARTLELQAQAQKDRDAETAKLLSEQAATMKAEMEEKFAELQK 120

hCCDC69 111 SYEQEKEALTHSFREASSTQQETIDRLTSQLEAFQAKMKRVEESILSRNYKKHIQDYGSP 170
mCCDC69  49 SNAQEKVSLSDCIQEAKASLQNTCASHVSPQEATQAKMNKVDGSILSRLYRNHIQDYGSP 108
xCCDC69 121 SFEQEKVSLTQTHQQFTDALQETVDELNSQLASFREKMKRVEESVLRQDYRRHIQDHGSP 180

hCCDC69 171 SQFWEQELESLHFVIEMKNERIHELDRRLILMETVKEKNLILEEKITTLQQENEDLHVRS 230
mCCDC69 109 GPFWEQELESLHHVIEMKNERIHELEKQLFLLEMLKEKNLILALKNTTLRQEVEDLQFQA 168
xCCDC69 181 GQFWEQELQSLHFVIEMKSELIREQDKRLRNHESTMERNLVLEERSRTLQQENEALKVQT 240

hCCDC69 231 RNQVVLSRQLSEDLLLTREALEKEVQLRRQLQQEKEELLYRVLGANASPAFPLAPVTPTE 290
mCCDC69 169 GNRLTMSRQLRKDLLQD---LEKESQNGHCCSRRRSH---------------------- 202
xCCDC69 241 QKQGAVTVRLSEELLSTQVSLEKQIHRCEQLQREKEQNLYRAVNGDAPQQFSLQSNAQEL 300

hCCDC69 291 VSFLAT                                                      296
mCCDC69     ------
xCCDC69 301 PVMVL-                                                       305
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Figure S1 The amino acid sequence alignment of human, mouse, and Xenopus CCDC69.