

humanCLN3	MGGCAGSRRRFSDSEGEETVPEPRLPLLDHQGAHWKNAVGFWLLGLCNNFSYVVMLSAAH	60
mouseCLN3	MGSSAGSWRRLEDSEREETDSEPQAPRLDSRVLWKNAVGFWILGLCNNFSYVVMLSAAH	60
zebrafishCLN3	MDRSVNSG-TASTSDTEG-----RCQRWRNCVAFWLLGLCNNFAYVVMLSAAH	47
drosophilaCLN3	MTATKQQEAEAEHDPOVVVTPGDASRSSRQDRGLWRDLTSYWILGLCNNYGYVVMLSAAH	60
celegansCLN3	-----MDVASGGGRRPPRNS-----VAFWLLGLCNNFAYVVMLSAAK	37
yeastCLN3	-----MSDKSHQIYCYFWLFGLINNVLYVVILSAAV	31
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humanCLN3	DILSHKRTSGNQSHVDPGPTPI-----PHNSSSRFDCNSVSTAAVLLADILPTLVIKLLA	115
mouseCLN3	DILKQEQASGNQSHVEPGPTPT-----PHNSSSRFDCNSISTAAVLLADILPTLVIKLLA	115
zebrafishCLN3	DILQ-KQESQNTTAPSPAPNGTNIEFRNSSNSSRYDCNPVSTAAVLLADILPTLLIKLTA	106
drosophilaCLN3	DI IKQFNPNDES-----EESSSGRNCHLVSTGAILLADVLP SLFVKILM	104
celegansCLN3	DILEKDAKHIEKPC-----REHVTTRECOMMSTGSVLLADIIPALLIKITA	83
yeastCLN3	DIVG-----PTLPKSLVLLADIFPSLAIKLCS	58
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humanCLN3	PLGLHLLPYS PRVLVSGICAAGSFVLVAFSHSVGTSLCGVVFA SISSGLGEVTFLSLTAF	175
mouseCLN3	PLGLHLLPYS PRVLVSGVCSAGSFVLVAFSQSVGLSLCGVVLAS ISSGLGEVTFLSLTAF	175
zebrafishCLN3	PFIYHKVPYGF RVLVCFFTAVVSFLMVFSSTISMSIIGVIFASVSSGLGELSFLSLSVF	166
drosophilaCLN3	PFFPFVWNF--RIALAVAFSAAGFLLVGFANAEMALLGVII TSASSGIGETTFLAYSSR	162
celegansCLN3	PMFIHRVPFGIRHSIVVLLQASSFLIVGISDSTALALFGVVLASFSGSLGEISYLALSSN	143
yeastCLN3	PFFIDRIKYSYRIWSLITMSCLG MFLVSFKN-LFVCLLGISFASISSGFGEVTFLQLTHY	117
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humanCLN3	YPRAVISWWSSGTGGAGLLGALS YLGLTQ---AGLSPQQTLLSMLGIPALLLASYFLLLT	232
mouseCLN3	YPSAVISWWSSGTGGAGLLGSLSYLGLTQ---AGLSPQHTLLSMLGIPVLLLASYFLLLT	232
zebrafishCLN3	FSSDVLSGWGS GTGAAGVAGALLYSALTQ---AGLTPOVTLWIMLVVPVILAVSYFVLLV	223
drosophilaCLN3	YNKNVISTWSSGTGGAGVIGSLSYASLRS---LDFSPRDTMLIMLIFPAIEAFWLLLR	219
celegansCLN3	YPSTVVASWSSGTGGAGLIGASAYALLTDSKLLAISPKHTMFIMLTLPALFSVSYWSILK	203
yeastCLN3	YKQISLNGWSSGTGGAGIIGGASYMFLTS--IFKVPVKLTLLVFSLLPFAFLFYFKLESN	175
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humanCLN3	SPEAQ-----DPGGEEEAESAARQPLIRTEAP---ESKPGSS-----SSLSLRER	274
mouseCLN3	SPEPL-----DPGGENEAEETAARQPLIGTETP---ESKPGAS-----WDSLQER	274
zebrafishCLN3	FPHSFQWRCPEVSQSLSRGLNSEERRALIEEDTDDEDEPALEDQDDKHIGPLTFTEK	283
drosophilaCLN3	RPQ-----VDILPVTTVESTEVLIS-----DEKP-----LVGFKEK	250
celegansCLN3	IPHSVQ-----RAHFLQ PSTWLVTGDFIPADDMRREEVEEEEG-----LLGIRED	248
yeastCLN3	DTNLT-----YQSLQQIDEAEDDQLVPFPVAFTHTNASQSLYSTR--QHILQTVKR	224
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humanCLN3	-----WTVFKGLLWYIVPLVVVYFAEYFINQGLFELLFFWNT-----	311
mouseCLN3	-----WTVFKGLLWYI IPLVLVYFAEYFINQGLFELLFFRNT-----	311
zebrafishCLN3	-----KYIIKGLLKFI FPLALVYFAEYFINQGLMELLYFPDS-----	320
drosophilaCLN3	-----LFYIKHLFKYMLPLCLVYFFEYFINQGLFELVYFED-----	286
celegansCLN3	RENSVDVTSRRRQTSTTLERVLP LLKFMIPLISVYLAEYYINQGLLELLEFDCSHG----	304
yeastCLN3	-----LRRLVFPYMVPLTTVYLF EYLINQAVAPTLLFPINGDERSK	265
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humanCLN3	-----SLSHAQQYRWYQMLYQAGVFASRSSLRCCRIRFTWALA--LLOCLNLVFL LADVW	364
mouseCLN3	-----SLSHAQQYRWYQMLYQAGVFASRSSLQCCRIRFTWVLA--LLOCLNLALL LADV C	364
zebrafishCLN3	-----RLSHAEQYRWYQTVYQIGVFVSRTSLFCFKIRKIFLMS--LLOCANAVLLVF AVY	373
drosophilaCLN3	----IFLDKDSQYRWLNVDYQIGVFISRSSVNL FQLDKIWLMS--IFQFVN VVYFLTEVI	340
celegansCLN3	----FSMSSESQYRWFQVTYQLGVFISRSSSNYVTIPTQYLKSLAVLQIFNAGFFTITAI	360
yeastCLN3	SMPFFFH KYRDIYV TYGTLYQLGVFISRSFGHLMRMRSLYILA--FLOGVNLCITVLQSW	323
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humanCLN3      FGFLPSIYLVFLIILYEGLLGGAAYVNTFHNIALETSDEHREFAMAATCISDTLGISLSG 424
mouseCLN3      LNFLPSIYLIIFIILYEGLLGGAAYVNTFHNIALETSDKHREFAMEAACISDTLGISLSG 424
zebrafishCLN3  YQFLPNISVVFVIIAFEGLLGGAAYVNTFFFIREEESVEREREFAMATATVGDSDLGIAFSA 433
drosophilaCLN3 WWYTPSIWIVFAIVLWEGLLGGAAYVNTFYRMSKEISPERQQFAMAMVVQSDSYGIALAG 400
celegansCLN3   YSFLPHILIAFLVILFEGLLGGAAYVNTFRAVHKEIPADSREFSMGVVSISDTIGIVFAG 420
yeastCLN3      FYVTHSPWAVMILIFYEGFLGGASYVNTFLNILEQEDPDETEFAMGAVSIADSFGVFLAA 383
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humanCLN3      LLALPLHDFLCQLS----- 438
mouseCLN3      VLALPLHDFLCHLP----- 438
zebrafishCLN3  AAAFPVHHYFCSL----- 446
drosophilaCLN3 FLAIPVHNAICGLPAAARSLVW--- 422
celegansCLN3   FLAMPVHNRICSMMPM----- 435
yeastCLN3      LLGLGLEPKLCRHQIADDRPWCRME 408
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