

1

| | | | | | | | |
|----------------|------------|------------|------------|------------|------------|------------|------------|
| Human_Naa15p | -----M | PAVS-LPPKE | NALFKRILRC | YEHKOYRNGL | KFCKOILSNP | KFAEHGETLA | MKGLTLNCLG |
| Mouse_Naa15p | -----M | PAVS-LPPKE | NALFKRILRC | YEHKOYRNGL | KFCKOILSNP | KFAEHGETLA | MKGLTLNCLG |
| Opossum_Naa15p | -----M | PAVS-LPPKE | NALFKRILRC | YEHKOYRNGL | KFCKOILSNP | KFAEHGETLA | MKGLTLNCLG |
| Zebrafish | -----M | PSIT-LPPKE | NALFKRILRC | YEHKOYRNGL | KFCKOILSNP | KFAEHGETLA | MKGLTLNCLG |
| Human_Naa16p | -----M | PNVL-LPPKE | SNLFKRILKC | YEQKOYKNGL | KFCKMILSNP | KFAEHGETLA | MKGLTLNCLG |
| Mouse_Naa16p | -----M | PCVQ-LPAKE | SALFKRVLKC | YEQKOYKNGL | KFCKMILSNP | KFAEHGETLA | MKGLTLNCLG |
| Opossum_Naa16p | -----M | PSVQ-LPPKE | SNLFKRILKC | YEQKOYKNGL | KFCKMILSNP | KFAEHGETLA | MKGLTLNCLG |
| Ciona | -----M | PTSQPLPPKE | KTLFNRIKLC | YEQKOYKNGL | KFAKOILSNP | KFAEHGETLA | MKGLTLNCTG |
| Yeast_Naa15p | MSRKRSTKPK | PAAKIALKKE | NDOFLEALKL | YEGKOYKSL | KLLDAILKKD | --GSHVDSL | LKGLDLYSVG |

71

| | | | | | | | |
|----------------|------------|------------|------------|------------|------------|------------|------------|
| Human_Naa15p | KKEEAYELVR | RGLRN---DL | KSHVC-WHVV | GLLORSDDKY | DEAIKCYRNA | LKWKDKNLQI | LRDLSLLOIQ |
| Mouse_Naa15p | KKEEAYELVR | RGLRN---DL | KSHVC-WHVV | GLLORSDDKY | DEAIKCYRNA | LKWKDKNLQI | LRDLSLLOIQ |
| Opossum_Naa15p | KKEEAYELVR | RGLRN---DL | KSHVCSWHVV | GLLORSDDKY | DEAIKCYRNA | LKWKDKNLQI | LRDLSLLOIQ |
| Zebrafish | RKEEAYDLVR | RGLRN---DL | KSHVCSWHVV | GLLORSDDKY | DEAIKCYRNA | LKWKDKNLQI | LRDLSLLOIQ |
| Human_Naa16p | KKEEAYEFVR | KGLRN---DV | KSHVC-WHVV | GLLORSDDKY | DEAIKCYRNA | LKLDKDNLQI | LRDLSLLOIQ |
| Mouse_Naa16p | KKEEAYEFVR | KGLRN---DV | RSHVC-WHVV | GLLORSDDKY | DEAIKCYRNA | LKLDKDNLQI | LRDLSLLOIQ |
| Opossum_Naa16p | KKEEAYEFVR | KGLRN---DV | KSHVC-WHVV | GLLORSDDKY | DEAIKCYRNA | LKLDKDNLQI | LRDLSLLOIQ |
| Ciona | KKEEAYELVK | RGLRN---DL | KSHVC-WHVV | GLLORSDDKY | DEAIKCYRNA | LRWTKENLHI | LRDLSMLQVH |
| Yeast_Naa15p | EKDDAASYVA | NAIRKIEGAS | ASPIK-CHVL | GIYMRNTKEY | KESIKWFTAA | LNGSTNKKQI | YDLATLQSO |

141

| | | | | | | | |
|----------------|------------|------------|-------------|------------|------------|------------|------------|
| Human_Naa15p | MRDLEGYRET | RYQLQLRPA | QRASWIGYAI | AYHLLDYEM | AAKILEEFRK | -FOOTSPDKV | DYEYSELLLY |
| Mouse_Naa15p | MRDLEGYRET | RYQLQLRPA | QRASWIGYAI | AYHLLDYEM | AAKILEEFRK | -FOOTSPDKV | DYEYSELLLY |
| Opossum_Naa15p | MRDLEGYRET | RYQLQLRPA | QRASWIGYAI | AYHLLDYEM | AAKILEEFRK | -FOOTSPDKV | DYEYSELLLY |
| Zebrafish | MRDLEGYRET | RYQLQLRPA | QRASWIGYAI | AYHLLDYEM | AAKIVEEFRK | -FOOTSPDKV | DYEYSELLLY |
| Human_Naa16p | MRDLEGYRET | RYQLQLRPT | QRASWIGYAI | AYHLLKDYDM | ALKLLEEFRO | -TOOVPPNKI | DYEYSELILY |
| Mouse_Naa16p | MRDLEGYRET | RYQLQLRPT | QRASWIGYAI | AYHLLKDYDT | ALKLLEEFRO | -TOOVPPNKI | DYEYSELLLY |
| Opossum_Naa16p | MRDLEGYRET | RYQLQLRPT | QRASWIGYAI | AYHLLKDYDM | ALKLLEEFRK | -TOOIPPNKI | DYEYSELILY |
| Ciona | MRDIEGYRET | RHALLQLKPG | QRAPWIGYAI | ANHLLKDYTV | AFKVLEEFVK | -TOO----EM | VYEHSELLLY |
| Yeast_Naa15p | IGDFKNALVS | RKKYWEAFLG | YRANWTS LAV | AQDVNGEROQ | AINTLQFQEK | LAEGKISDSE | KYEHSECLMY |

211

| | | | | | | | |
|----------------|------------|------------|------------|------------|------------|------------|------------|
| Human_Naa15p | QNQVLREA-- | ---GLYREAL | EHLCTYEKQI | CDKLAVEETK | GELLLOLCRL | EDAADVYRGL | QERNPENWAY |
| Mouse_Naa15p | QNQVLREA-- | ---GLYREAL | EHLCTYEKQI | CDKLAVEETK | GELLLOLCRL | EDAADVYRGL | QERNPENWAY |
| Opossum_Naa15p | QNQVLREA-- | ---GLYREAL | EHLGTYEKQI | CDKLAVEETK | GELLLOLCRL | EAATDVYRGL | QERNPENWAY |
| Zebrafish | QNQLLREA-- | ---ELFKEAL | DHLTSYEKQI | CDKLAVEETR | GELLKLDRA | GEATEVYHRL | LERNPENWSY |
| Human_Naa16p | QNQVMREA-- | ---DLLQESL | EHIETYEKQI | CDKLLVEEIK | GEILLKLGRL | KEASEVFNKL | IDRNAENWCY |
| Mouse_Naa16p | QNQVMREA-- | ---NLFOESL | EHIETYEKLI | CDKLLVEEIK | GEMLLKLGRL | KEASEVFRNL | IDWNAENWCY |
| Opossum_Naa16p | QNQVMREA-- | ---DLFOESL | EHIETYEKQI | CDKLLVEEIK | GEMLLKLGRL | KEAGEIFKDL | IDRNAENWNY |
| Ciona | QNYILOEA-- | ---GLFOQAI | EHLETNKEKI | VDKLSWLEYK | GDLCKVLERL | EEAEKIFTSL | VNRNPENHSY |
| Yeast_Naa15p | KNDIMYKAAS | DNQDKLONVL | KHLNDIEPCV | FDKFGLLERK | ATIYMKLGQL | KDASIVYRTL | IKRNPDNFKY |

281

| | | | | | | | |
|----------------|------------|------------|------------|------------|-------------|------------|------------|
| Human_Naa15p | YKGLEKALKP | ANMLE-RLKI | YEEAWTKYPR | GLVPRRLPLN | FLS-GEKFKE | CLDKFLRMNF | SKGCPPVFNT |
| Mouse_Naa15p | YKGLEKALKP | ANMLE-RLKI | YEEAWTKYPR | GLVPRRLPLN | FLS-GEKFKE | CLDRFLRMNF | SKGCPPVFNT |
| Opossum_Naa15p | YKGLEKSLKP | VNMLE-RLKI | YEEAWTKYPR | GLVPRRLPLN | FLSEGEKFKE | CLDKFLRMNF | SKGCPPVFNT |
| Zebrafish | YQGLEKALKP | KSAED-KOKI | YEDAWVKYPK | GLVPRRLPLS | FILT-GEKFRE | CLDRFLRMNF | SKGCPPVFTT |
| Human_Naa16p | YEGLEKALQI | STLEE-RLQI | YEEISKOHPK | AITPRRLPLT | LVP-GERFRE | LMDKFLRVNF | SKGCPPLFTT |
| Mouse_Naa16p | YEGLEKALQI | RSIDE-RLQI | YEEVSKOHPK | AVSPRRLPLS | FAP-GKKFRE | LMDKFLRPNF | SKGCPPLFTT |
| Opossum_Naa16p | YEGLEKALQI | STLEE-RLHI | YEEISRRHPK | AVSPRRLPLN | FVP-GEKFRE | LMDKFLRVNF | SKGCPPLFTT |
| Ciona | YQKLESVIKP | SNEVE-RLQI | YDAVSAIFPK | ADSPKSLPLT | FILT-GPMFOE | RVDKIMREQL | KRGVPPLFVS |
| Yeast_Naa15p | YKLELVSLGI | QGDNKLKAL | YKLEQFYPR | CEPPKFIPLT | FLQDKEELSK | KLREYVLPQL | ERGVPAFTSN |

351

| | | | | | | | |
|----------------|------------|------------|-------------|------------|-----------|------------|------------|
| Human_Naa15p | LRSLY-KDKE | KVA-IIEELV | VGYESLTKSC | RLFNPDDGK | EEPPTLLWV | QYFLAQHYDK | IGQPSIALEY |
| Mouse_Naa15p | LRSLY-RDKE | KVA-IVEELV | VGYESLTKSC | RLFNPDDGK | EEPPTLLWV | QYFLAQHYDK | IGQPSIALEY |
| Opossum_Naa15p | LRSLY-KDKD | KVA-IIEELV | VGYESLTKSC | RLFNPDDGK | EEPPTLLWV | QYFLAQHYDK | IGQPSIALEY |
| Zebrafish | LKSLY-HHKD | KVA-IIEELV | VGYDKSLKTC | KMFNDDGK | IEPPTLLWV | QYFLAQHFND | IGKHTVALEY |
| Human_Naa16p | LKSLY-YNTE | KVS-IIQELV | TNYEASLTKC | DFPSPYENGE | KEPPTLLWV | QYFLAQHFND | LGQYSLALDY |
| Mouse_Naa16p | LKSLY-CDTE | KVS-IIQELV | TNYEASLTKM | GYFSPYENGE | KEPPTLIWV | QYFLAQHYDK | LGQYFLALEY |
| Opossum_Naa16p | LKSLY-YNTE | KVS-MIEELV | TNYETSLSKTF | DYFSPYENGE | KEPPTLLWV | RYFLAQHFND | LGQCLLALDY |
| Ciona | LKPLY-KEQE | KVK-CIGEIA | EQFIRSLAN | SKFSP-DDEE | IEPPTLLWA | RFFYAQHLDK | IKEYEKALQL |
| Yeast_Naa15p | VKPLYORRKS | KVSPLEKIV | LDYLSGLDPT | ----- | -QDPIPIWV | NYLQSHFLF | LKDFPKAQEY |

421

| | | | | | | | |
|----------------|------------|------------|------------|------------|------------|------------|------------|
| Human_Naa15p | INTAIESTPT | LIELFLVKAK | IYKHAGNIKE | AARWMDEAQA | LDTADRFINS | KCAKYMLKAN | LIKEAEEMCS |
| Mouse_Naa15p | INTAIESTPT | LIELFLVKAK | IYKHAGNIKE | AARWMDEAQA | LDTADRFINS | KCAKYMLKAN | LIKEAEEMCS |
| Opossum_Naa15p | INAAIESTPT | LIELFLVKAK | IYKHAGNIKE | AARWMDEAQA | LDTADRFINS | KCAKYMLKAN | LIKEAEEMCS |
| Zebrafish | INTAIESTPT | LIELFLIKAK | IYKHAGNIRE | AARWMDEAQA | LDTADRFINS | KCAKYLLKAG | LIKEAEEMCS |
| Human_Naa16p | INAAIESTPT | LIELFYMKAK | IYKHIGNLKE | AAKWMDEAQS | LDTADRFINS | KCAKYMLRAN | MIKEAEEMCS |
| Mouse_Naa16p | INAVIASTPT | LIELFYMKAK | IYKHGMNLKE | AAQWMDEAQS | LDTADRFINS | KCAKYMLRAN | MIKEAEEMCS |
| Opossum_Naa16p | INAAIESTPT | LIELFYIKAK | IYKHMGDLKE | AAKWMDEAQS | LDTADRFINS | KCAKYMLRAN | MMKEAEEMCS |
| Ciona | INESLEHTPT | LIELHVLKAK | VLKVRVNMDS | ITPVLVGLYA | L--IQLWINA | KCNIVCLYEQ | HLKLNELTSS |
| Yeast_Naa15p | IDAALDHTPT | LVEFYILKAR | ILKHLGLMDT | AAGILEEGRO | LDLQDRFINC | KTVKYFLRAN | NIDKAVEVAS |

491

| | | | | | | | |
|----------------|-------------|-------------|------------|------------|------------|-------------|------------|
| Human_Naa15p | KFTR--EGTS | AVENLNEMOC | MWFOTECAQA | YKAM----- | ----- | ----- | ----- |
| Mouse_Naa15p | KFTR--EGTS | AVENLNEMOC | MWFOTECAQA | YKAM----- | ----- | ----- | ----- |
| Opossum_Naa15p | KFTR--EGTS | AVENLNEMOC | MWFOTECAQA | YKAM----- | ----- | ----- | ----- |
| Zebrafish | KFTR--EGTS | AVENLNEMOC | MWFOTECALA | YKSL----- | ----- | ----- | ----- |
| Human_Naa16p | KFTR--EGTS | AMENLNEMOC | MWFOTECISA | YORL----- | ----- | ----- | ----- |
| Mouse_Naa16p | RFTR--EGTS | AMENLNEMOC | MWFETECISA | YORL----- | ----- | ----- | ----- |
| Opossum_Naa16p | KFTR--EGTS | AMENLNEMOC | MWFOTECASA | YORL----- | ----- | ----- | ----- |
| Ciona | O----ENVS | IIDEYLKEMOC | MWYEVACASA | HSRA----- | ----- | ----- | ----- |
| Yeast_Naa15p | LFTKNDSDSVN | GIKDLHLVEA | SWFIVEQAEA | YYRLYLDRKK | KLDDLASLKK | EVE SDKSEQI | ANDIKENQWL |

561

| | | | | | | | |
|----------------|-------------|-------------|------------|------------|------------|------------|------------|
| Human_Naa15p | -NKF--GEALK | KCHEIERHFI | EITDDOFDFH | TYCMRKITLR | SYVDLLKLED | VLROHPFYFK | AARIAIEIYL |
| Mouse_Naa15p | -NKF--GEALK | KCHEIERHFI | EITDDOFDFH | TYCMRKITLR | SYVDLLKLED | VLROHPFYFK | AARIAIEIYL |
| Opossum_Naa15p | -NKF--GEALK | KCHEIERHFV | EITDDOFDFH | TYCMRKITLR | SYVDLLKLED | VLROHPFYFK | AARIAIEIYL |
| Zebrafish | -NKY--GEALK | KCHEIERHFV | EITDDOFDFH | TYCMRKMTLR | SYVDLLNLED | VLRMHPFYFK | AARTAIEIYL |
| Human_Naa16p | -GRY--GDALK | KCHEVERHFF | EITDDOFDFH | TYCMRKMTLR | AYVDLLRLED | ILRRHAFYFK | AARSAIEIYL |
| Mouse_Naa16p | -GRY--GDALK | KCHEVERHFL | EITDDOFDFH | TYCMRKMTLR | AYVGLLRLED | ALRRHTFYFK | AARSAIEIYL |
| Opossum_Naa16p | -GKY--GEALK | KCHEIERHFF | EITDDOFDFH | TYCMRKMTLR | AYVDLLRLED | ILRKHAFYFK | AAOSAVEIYL |
| Ciona | -NRY--GEALK | KCHEVDKHFV | EITDDOFDFH | TYCMRKMTLR | SYVKMLKLED | SLRSHRFYFO | AAKAAIKVYI |
| Yeast_Naa15p | VRKYKGLALK | RFNAIPKFKYK | QFEDDQLDFH | SYCMRKGTPR | AYLEMLEWGG | ALYTKPMYVR | AMKEASKLYF |

631

| | | | | | | | |
|----------------|------------|-------------|-------------|-------------|------------|------------|------------|
| Human_Naa15p | KLHDNPLTDE | NKEHEADTAN | MSDKELKKLR | NKORRAOKKA | QIEEEKNAE | K----EKOOR | NOKKKKDDDD |
| Mouse_Naa15p | KLHDNPLTDE | NKEHEADTAN | MSDKELKKLR | NKORRAOKKA | QIEEEKNAE | K----EKOOR | NOKKKKDDDD |
| Opossum_Naa15p | KLHDNPLTDE | NKEHEADTAN | MSDKELKKLR | NKORRAOKKA | QHNRKFKWE | M----GEOTF | NORYLTSKIC |
| Zebrafish | SLHDNPLSDD | NKESOADNAN | LTDKELKKLR | NKORRAOKKA | OLEEEKNAE | K----EKOLK | NOKKKKEEDE |
| Human_Naa16p | KLYDNPLTNE | SKOQEIINSEN | LSAKELKKML | SKORRAOKKA | KLEERKHAE | R----EROOK | NOKKKRDEEE |
| Mouse_Naa16p | KLHDNPLTND | SKOODIDSEN | LSAKEMKKML | SKORRAOKKA | KVEEERKHTE | R----EROOK | NOKKKREEEE |
| Opossum_Naa16p | KLHDNPSTNE | RKEQEVNSEN | ISAKELKKML | SKORRAOKKA | KLEERKHAE | R----EROOK | NOKKKRDEEE |
| Ciona | HLHDEPYOPG | DRIODEKESSE | MSNAELKKLR | NKORROERKK | AAAEERKKNE | QHDKSGKKKO | QVKNKNTEDD |
| Yeast_Naa15p | QMHDRRLKRR | SDSLDENSEDE | IQNNG--ONSS | SOQKKKAKKEA | AAMNKRKETE | A-----K | SVAAYPSDQD |

701

| | | | | | | | |
|----------------|-------------|------------|------------|------------|------------|-------------|------------|
| Human_Naa15p | EEITGGPKEEL | IPEKLAKVET | PLEE-AIKFL | TPLKNLVKKN | IETHLFAFEI | YFRKEKFLLM | LOSVKRAFAI |
| Mouse_Naa15p | EEITGGPKEEL | IPEKLAKVET | PLEE-AIKFL | TPLKNLVKKN | IETHLFAFEI | YFRKEKFLLM | LOSVKRAFAI |
| Opossum_Naa15p | LKGLSKASL | INSALGGVET | PLEE-AIKFL | TPLKNLVKKN | IETHLFAFEI | YFRKEKFLLM | LOSVKRAFAI |
| Zebrafish | EEITGGPKEEL | IPEKLAKIEN | PLEE-AVKFL | TPLKNLVKKN | IETHLLAFEI | YLRKEKYLLM | LOSVKRAYSL |
| Human_Naa16p | EEASGLKEEL | IPEKLERVEN | PLEE-AVKFL | TPLKNLVADN | IDTHLLAFEI | YFRKGKFLLM | LOSVKRAFAI |
| Mouse_Naa16p | EVTSGHPKEEL | IPEKLERVDN | PLEE-AIKFL | TPLKTLAAES | IDTHLLAFEI | YFRKGKFLLM | LOSVKRAFAI |
| Opossum_Naa16p | EEASGPKEEL | IPEKLEKVEN | PLEE-AIKFL | IPLKTLVADN | IDTHLLAFEI | YFRKGKFLLM | LOSVKRAFAI |
| Ciona | AEVKK-EEEE | AAEKLVSISN | PLEE-AQKFL | APLELYCSGK | FETHYLAFQI | AEERRGTLIVM | LKALLRAQKV |
| Yeast_Naa15p | NDVFG----- | --EKLIETST | PMEDFATEFY | NNYSMQVRED | ERDYILDFEF | NYRIGKLALC | FASLNK-FAK |

771

| | | | | | | | |
|----------------|------------|------------|------------|-------------|-------------|------------|------------|
| Human_Naa15p | --DSSHPWLH | ECMIRLF-NT | AVCESKDLSD | TVRTVLKQEM | NRLFATNPK | NFNETFLKRN | SDSLPHRLSA |
| Mouse_Naa15p | --DSSHPWLH | ECMIRLF-HS | -VCESKDLPE | TVRTVLKQEM | NRLFATNPK | NFNETFLKRN | SDSLPHRLSA |
| Opossum_Naa15p | --DSSHPWLH | ECMIRLF-SA | AVCESKDLPE | AVRTVLKQEM | NRLFATNPK | NFNETFLKRN | FDSLPHRLSA |
| Zebrafish | --DPDHPWLH | QCLVRFV-KG | -VSDSKDMPE | AVOTVLKQEI | TKLFGESDPK | TFNKNFLSKH | ANSIPHRVAA |
| Human_Naa16p | --NSNPNWLH | ECLIRFS-KS | -VSNHNSLPD | IVSKVLSQEM | OKIFVKKDLE | SFNEDFLKRN | ATSLQHLHSG |
| Mouse_Naa16p | --ESNPNWLH | ECLIKFS-KL | -VSNHNSLPD | IVSKVLAQEM | KKIFVKNKDLH | SFNEDFLRHN | ATSLQHLHSG |
| Opossum_Naa16p | --NSNPNWLH | ECLIKFS-RS | -VSNHNSLPE | IVNKNVLAQEM | OKIFVKNKDLH | SFNEDFLKHN | ATSLQHLHSG |
| Ciona | AKESDMPNLH | VCRVRFKKG | KFRDAKDLPT | AASEVISLHM | KIIGCDIDVE | TLNEOFIAAN | PNSLTHIFAG |
| Yeast_Naa15p | RFGTTSGLFG | SMAIVLL-HA | -TRNDTPFDP | ILKVVVTKSL | EK----- | EYSENFPLNE | ISN----- |

841

| | | | | | | | |
|----------------|------------|------------|------------|------------|------------|------------|------------|
| Human_Naa15p | AKMYYLDPS | SOKRAIELAT | TLDESLTNRN | LOTCEVLEA | LYDG-SLGDC | KEA-AEYRA | NCHKLFPYAL |
| Mouse_Naa15p | AKMYYLDSS | SOKRAIELAT | TLDGSLTNRN | LOTCEVLEA | LCDG-SLGDC | KEA-AEAYRA | SCHKLFPYAL |
| Opossum_Naa15p | AKMYYLDPS | SOKRAVELAT | TLDESLTNRN | LOTCEALGA | LCDG-SLGDC | KEA-AEYRA | NCHKLFPYAL |
| Zebrafish | AKMMVFLDSS | SEGKAAELAT | SLNESLTDRS | LOTCAEVLOA | LRDG-SLGSQ | QEKFTESYRV | SCHGLPYAV |
| Human_Naa16p | AKMMYFLDKS | ROEKAIATAT | RLDETIKDKD | VKTLIKVSEA | LLDG-SFGNC | SSQ-YEEYRM | ACHNLLPFTS |
| Mouse_Naa16p | AKMMYFLDKS | ROEKAIATAT | RLDETIKKNK | VKTLIKVSEA | LLDG-SFGNC | SSQ-YEEYRK | TCHSLLPLTP |
| Opossum_Naa16p | AKMMYFLDES | ROEKAIATAT | RLDETVKDKN | VKTLTKVFGA | LVDG-SFGIC | NTQ-YEEYRT | ACHKLFPTSS |
| Ciona | ASSLYHLNSS | RKDEALKMIL | NINNNMONVS | LKVCCEMLRS | LQGLDFGVV | ESDIVAEFRE | KCHAIFFRAC |
| Yeast_Naa15p | ----- | --NSFDWLN | FYQEKFGKND | INGLLFLYR- | YRDDVPIGSS | NLK-----EM | IISLSPLPEP |

911

| | | | | |
|----------------|------------|------------|------------|---------|
| Human_Naa15p | AFMPPGYEED | MKITVNGD-- | -----SSAEA | EELANEI |
| Mouse_Naa15p | AFMPPGYEED | MKITVNGD-- | -----SSAET | EELANEI |
| Opossum_Naa15p | AFMPPGYEED | TKITINGD-- | -----SSAET | EELANEI |
| Zebrafish | AFMPPGYQDN | TAVTTNGDL | -----SPCDH | EDLPNEM |
| Human_Naa16p | AFLPAVNEVD | NPNVALNH-- | -----TANY | DVLANEI |
| Mouse_Naa16p | AFLPAAREAL | GLSAELNH-- | -----TADH | KLLMNEI |
| Opossum_Naa16p | AFLPSTNEDD | SSTISVNO-- | -----TTINH | DVMANEI |
| Ciona | FFLSPLAAE | QNGKVNHPA | VNGLDSNPES | GDLKPEH |
| Yeast_Naa15p | ----- | ----- | -----HSQN | EILQYYL |

Additional File 2 - Alignment of selected Naa15/16p proteins.

An alignment of Naa15p and Naa16p protein sequences from human, mouse, and opossum, together with their homologues from *Ciona*, zebrafish and yeast. Sequence names give the common name of the relevant species and the isoform type where appropriate. These sequences are the same as used in Figure 6: Human_Naa15p = ENSP00000296543, Mouse_Naa15p = ENSMUSP00000029303, Opossum_Naa15p = ENSMODP00000000119, Zebrafish = ENSDARP00000015464, Human_Naa16p = ENSP00000310683, Mouse_Naa16p = ENSMUSP00000022597, Opossum_Naa16p = ENSMODP00000018506, *Ciona* = ENSCINP00000010933, Yeast_Naa15p = YDL040C.